

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
 Data File : BF119867.D
 Acq On : 9 Apr 2020 11:16
 Operator : MA/SJ
 Sample : L2153-04MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

Quant Time: Apr 09 11:45:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 01:21:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	173574	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	630007	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	245936	20.00	ng	0.01
64) Phenanthrene-d10	11.33	188	334327	20.00	ng	0.04
76) Chrysene-d12	13.96	240	270864	20.00	ng	0.02
87) Perylene-d12	15.39	264	318462	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1677477	167.02	ng	0.02
7) Phenol-d6	6.42	99	1997969	154.38	ng	0.01
23) Nitrobenzene-d5	7.34	82	1281753	105.25	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	415946	138.14	ng	0.03
45) 2-Fluorobiphenyl	9.14	172	2192793	126.59	ng	0.00
79) Terphenyl-d14	12.92	244	1486933	92.37	ng	0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.51	88	180612	40.374	ng	98
3) Pyridine	3.23	79	513526	41.840	ng	96
4) n-Nitrosodimethylamine	3.18	42	316679	50.499	ng	97
6) Aniline	6.43	93	413416	24.338	ng	# 74
8) 2-Chlorophenol	6.56	128	607191	54.107	ng	98
9) Benzaldehyde	6.32	77	295829	44.894	ng	99
10) Phenol	6.43	94	744262	50.691	ng	100
11) bis(2-Chloroethyl)ether	6.51	93	623379	54.988	ng	100
12) 1,3-Dichlorobenzene	6.71	146	609215	49.586	ng	99
13) 1,4-Dichlorobenzene	6.79	146	617927	49.374	ng	99
14) 1,2-Dichlorobenzene	6.94	146	582046	50.464	ng	99
15) Benzyl Alcohol	6.92	79	522204	51.951	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.05	45	1111243	50.373	ng	99
17) 2-Methylphenol	7.03	107	513104	51.234	ng	97
18) Hexachloroethane	7.28	117	234016	50.033	ng	98
19) n-Nitroso-di-n-propylamine	7.20	70	434386	52.196	ng	99
20) 3+4-Methylphenols	7.19	107	603064	49.236	ng	99
22) Acetophenone	7.19	105	813358	55.133	ng	95
24) Nitrobenzene	7.36	77	639701	52.218	ng	98
25) Isophorone	7.60	82	1213947	51.711	ng	99
26) 2-Nitrophenol	7.67	139	321791	52.577	ng	94
27) 2,4-Dimethylphenol	7.72	122	433806	46.996	ng	98
28) bis(2-Chloroethoxy)methane	7.81	93	731766	52.973	ng	99
29) 2,4-Dichlorophenol	7.92	162	492735	52.077	ng	97
30) 1,2,4-Trichlorobenzene	8.00	180	537388	50.126	ng	98
31) Naphthalene	8.08	128	1700835	51.313	ng	100
32) Benzoic acid	7.86	122	421209	51.957	ng	96
33) 4-Chloroaniline	8.13	127	206796	14.331	ng	98
34) Hexachlorobutadiene	8.20	225	320818	49.991	ng	99
35) Caprolactam	8.51	113	110292	38.107	ng	# 70
36) 4-Chloro-3-methylphenol	8.62	107	523857	51.139	ng	99
37) 2-Methylnaphthalene	8.77	142	1086278	48.339	ng	99
38) 1-Methylnaphthalene	8.87	142	1022886	48.292	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.95	216	475089	61.162	ng	98

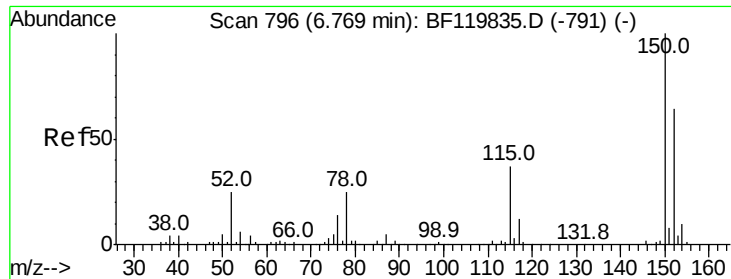
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
 Data File : BF119867.D
 Acq On : 9 Apr 2020 11:16
 Operator : MA/SJ
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 01:21:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.93	237	568236	128.647	nq	98
43) 2,4,6-Trichlorophenol	9.06	196	344906	64.301	nq	98
44) 2,4,5-Trichlorophenol	9.10	196	341744	56.567	nq #	91
46) 1,1'-Biphenyl	9.25	154	1230211	59.263	nq	99
47) 2-Chloronaphthalene	9.27	162	953984	59.657	nq	97
48) 2-Nitroaniline	9.36	65	367266	63.376	nq	97
49) Acenaphthylene	9.69	152	1308356	53.799	nq	97
50) Dimethylphthalate	9.55	163	1304875	68.595	nq #	99
51) 2,6-Dinitrotoluene	9.61	165	253940	60.960	nq	87
52) Acenaphthene	9.86	154	862362	53.158	nq	99
53) 3-Nitroaniline	9.77	138	164097	34.492	nq #	94
54) 2,4-Dinitrophenol	9.89	184	183486	73.571	nq #	78
55) Dibenzofuran	10.04	168	1113112	50.001	nq	100
56) 4-Nitrophenol	9.95	139	355677	100.477	nq #	70
57) 2,4-Dinitrotoluene	10.02	165	266860	48.623	nq #	96
58) Fluorene	10.39	166	788388	44.282	nq	95
59) 2,3,4,6-Tetrachlorophenol	10.16	232	214547	46.433	nq #	93
60) Diethylphthalate	10.26	149	918489	46.586	nq	93
61) 4-Chlorophenyl-phenylether	10.37	204	371207	40.680	nq #	86
62) 4-Nitroaniline	10.39	138	144891	31.956	nq	85
63) Azobenzene	10.54	77	823913	46.630	nq	90
65) 4,6-Dinitro-2-methylphenol	10.43	198	90755	41.204	nq #	1
66) n-Nitrosodiphenylamine	10.49	169	709792	63.837	nq	98
67) 4-Bromophenyl-phenylether	10.87	248	213334	51.311	nq #	91
68) Hexachlorobenzene	10.95	284	231264	54.830	nq #	87
69) Atrazine	11.03	200	214012	69.179	nq	78
70) Pentachlorophenol	11.14	266	231794	95.364	nq	98
71) Phenanthrene	11.36	178	913625	51.347	nq #	90
72) Anthracene	11.42	178	917651	50.485	nq #	95
73) Carbazole	11.56	167	862492	50.176	nq #	91
74) Di-n-butylphthalate	11.90	149	1154252	51.080	nq	97
75) Fluoranthene	12.55	202	968371	50.440	nq	96
77) Benzidine	12.66	184	118785	12.973	nq #	45
78) Pyrene	12.78	202	980024	42.919	nq	98
80) Butylbenzylphthalate	13.39	149	490810	44.297	nq	94
81) Benzo(a)anthracene	13.96	228	953994	53.538	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	157074	23.625	nq #	95
83) Chrysene	13.99	228	911268	50.330	nq	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	746623	49.760	nq	98
85) Di-n-octyl phthalate	14.54	149	1327017	51.942	nq #	92
86) Indeno(1,2,3-cd)pyrene	16.81	276	1262009	79.073	nq	99
88) Benzo(b)fluoranthene	14.98	252	1062621	46.384	nq	97
89) Benzo(k)fluoranthene	15.01	252	1016888	51.445	nq	98
90) Benzo(a)pyrene	15.33	252	990106	51.402	nq	99
91) Dibenzo(a,h)anthracene	16.83	278	1074350	62.966	nq	98
92) Benzo(g,h,i)perylene	17.24	276	1077175	63.957	nq	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

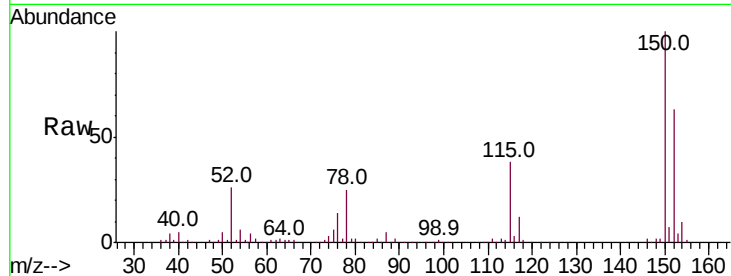


#1

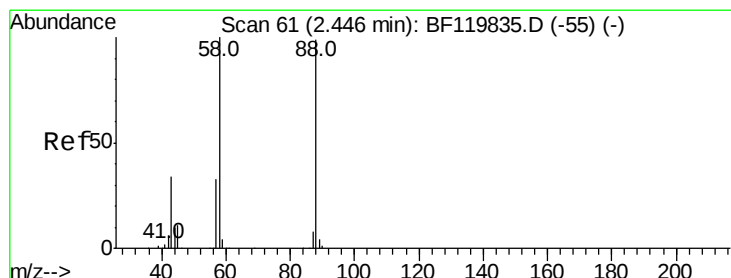
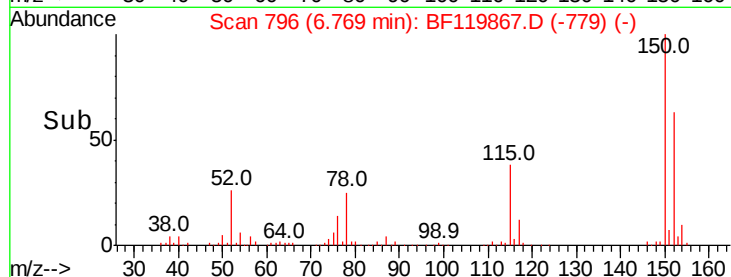
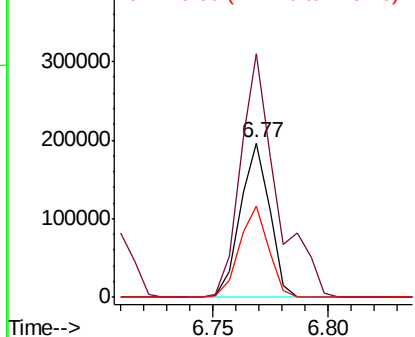
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:152 Resp: 173574
Ion Ratio Lower Upper
152 100
150 158.0 124.8 187.2
115 59.5 46.5 69.7



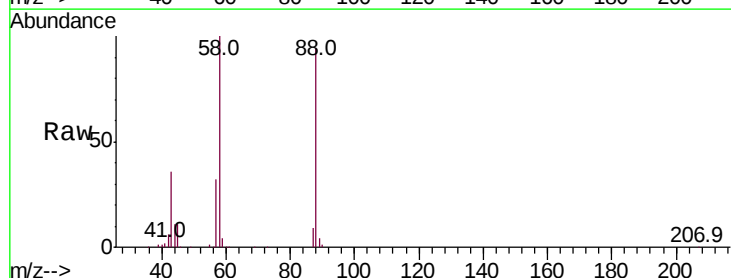
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



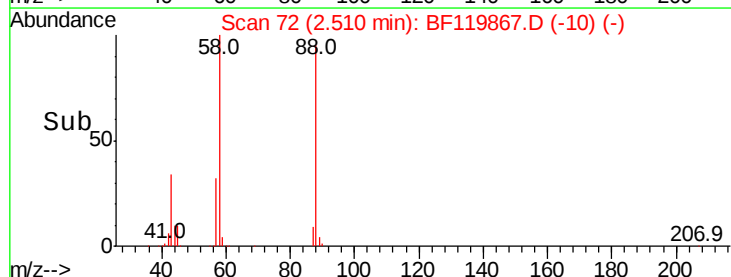
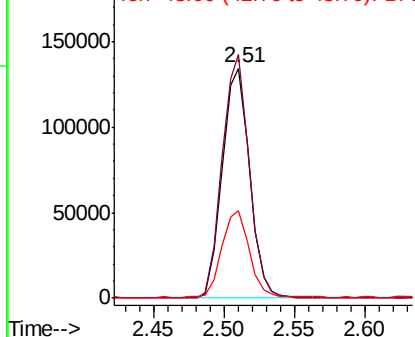
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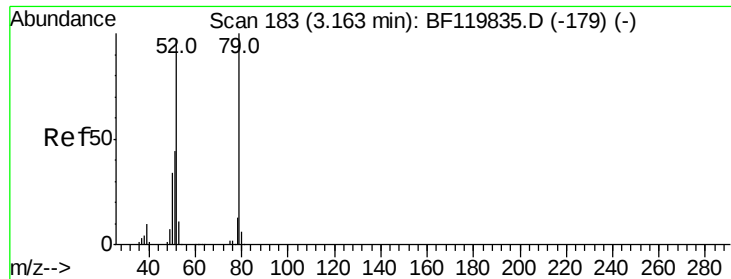
1,4-Dioxane
Concen: 40.374 ng
RT: 2.51 min Scan# 72
Delta R.T. 0.06 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion: 88 Resp: 180612
Ion Ratio Lower Upper
88 100
58 104.6 82.6 123.8
43 37.8 28.6 42.8



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 41.840 ng

RT: 3.23 min Scan# 195

Delta R.T. 0.07 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

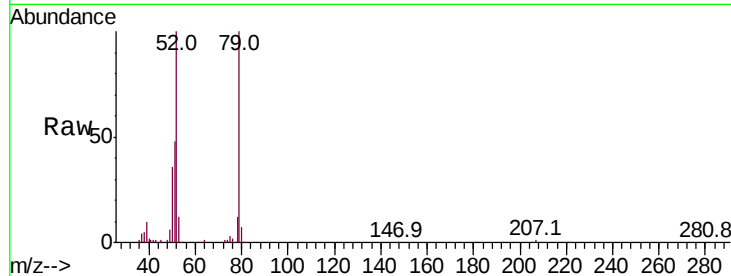
Tot Ion: 79 Resp: 513526

Ion Ratio Lower Upper

79 100

52 100.2 77.4 116.0

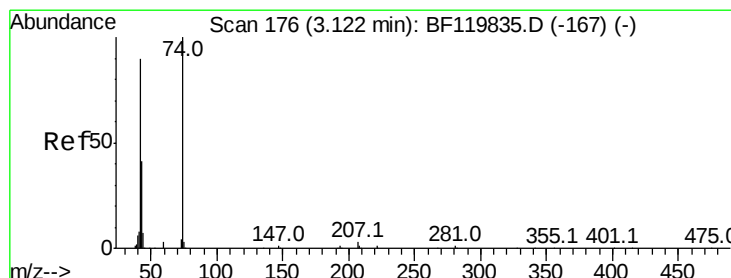
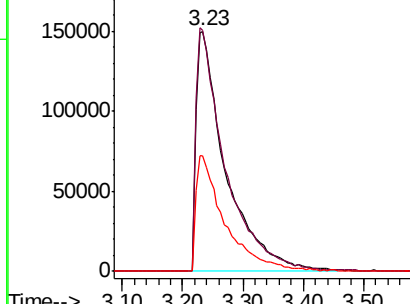
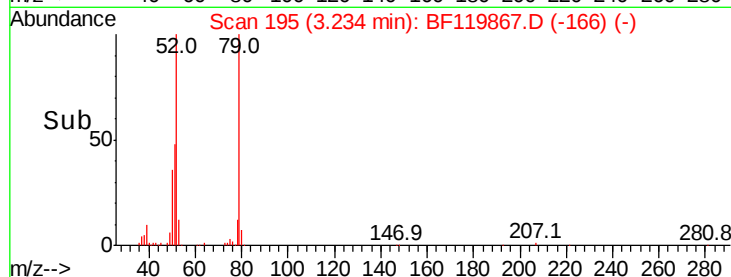
51 48.0 35.3 52.9



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 50.499 ng

RT: 3.18 min Scan# 186

Delta R.T. 0.06 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

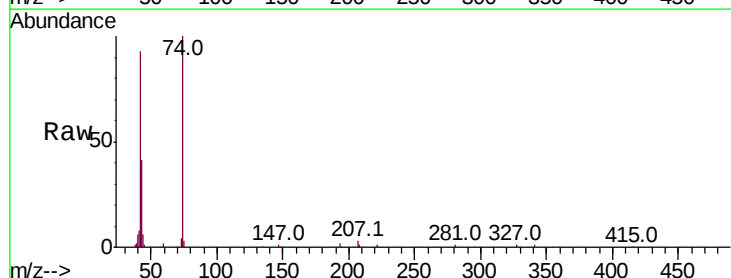
Tgt Ion: 42 Resp: 316679

Ion Ratio Lower Upper

42 100

74 108.0 89.0 133.4

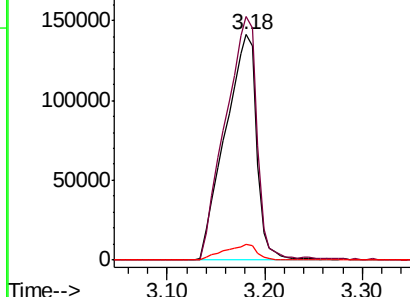
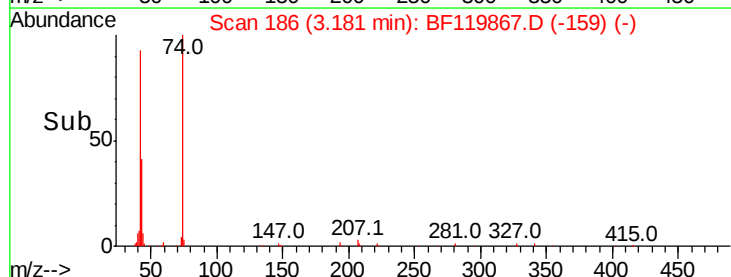
44 7.0 6.2 9.4

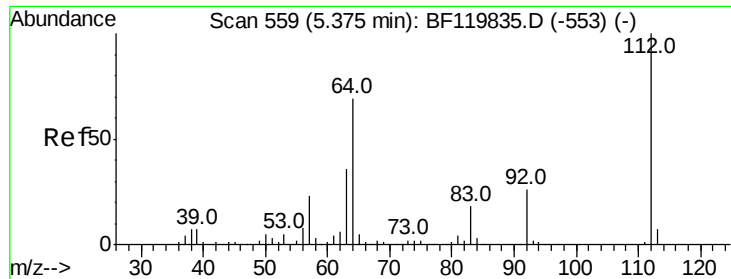


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 167.017 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

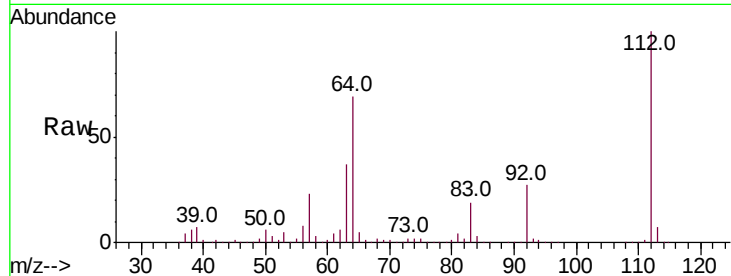
Tot Ion:112 Resp: 1677477

Ion Ratio Lower Upper

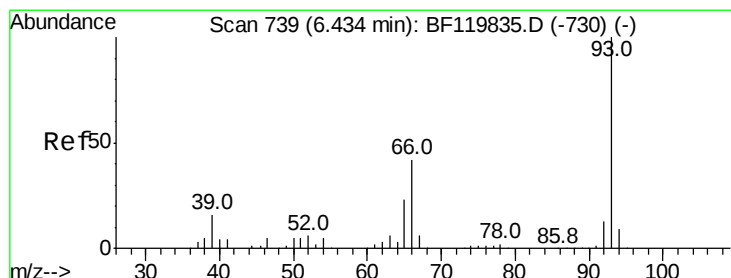
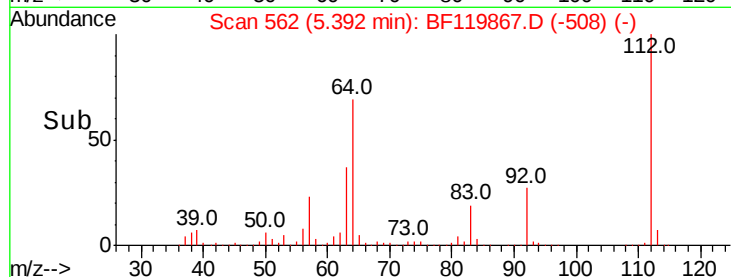
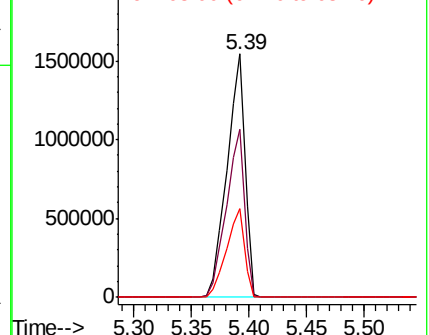
112 100

64 69.3 55.5 83.3

63 36.5 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 24.338 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

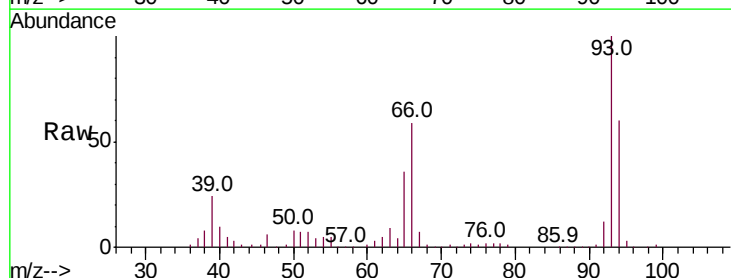
Tgt Ion: 93 Resp: 413416

Ion Ratio Lower Upper

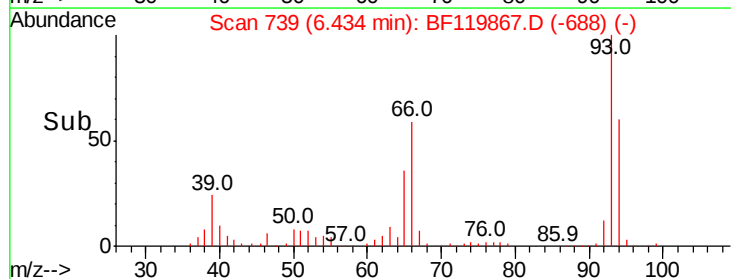
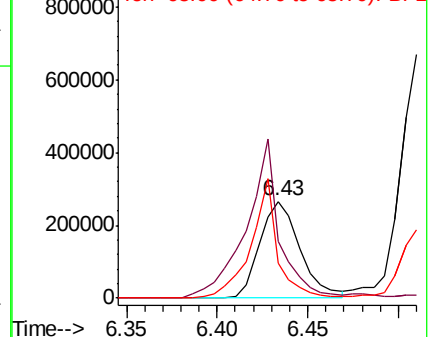
93 100

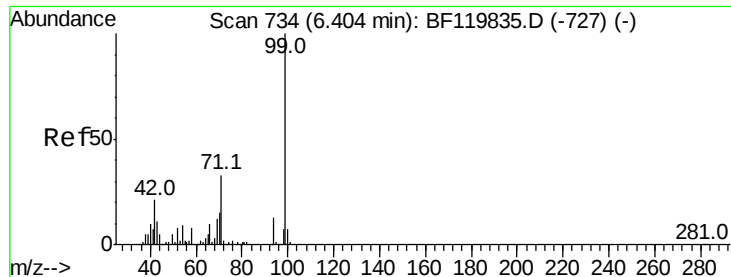
66 58.9 34.2 51.2#

65 36.2 18.3 27.5#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 154.381 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

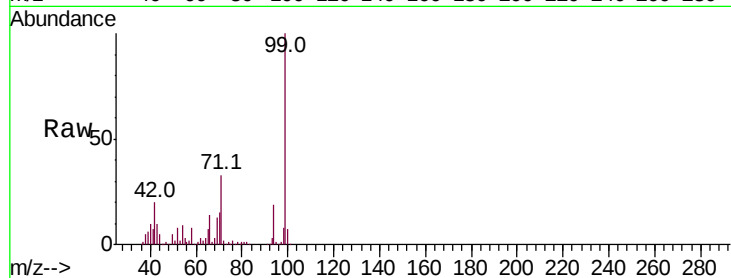
BNA_F

ClientSampleId :

72-11991MSD

Tot Ion: 99 Resp: 1997969

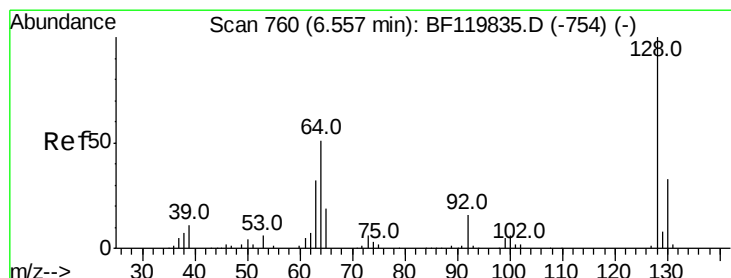
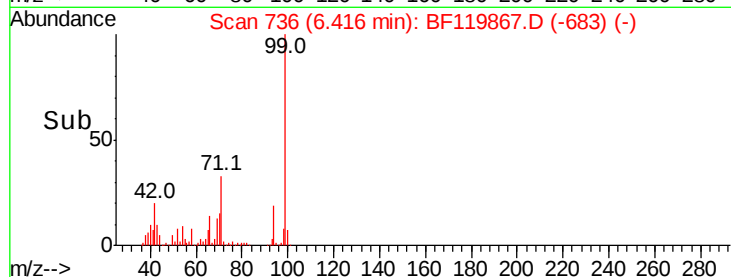
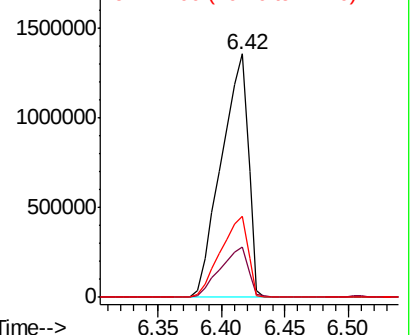
Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.9	25.3
71	33.4	26.3	39.5



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 54.107 ng

RT: 6.56 min Scan# 760

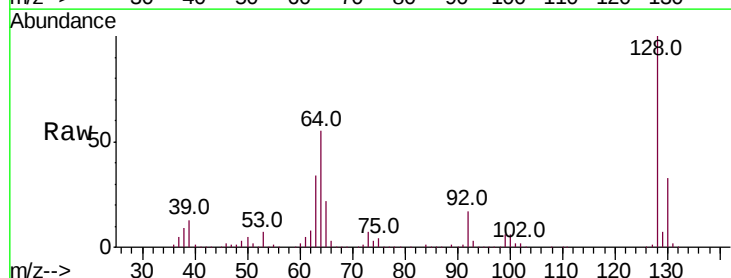
Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Tgt Ion:128 Resp: 607191

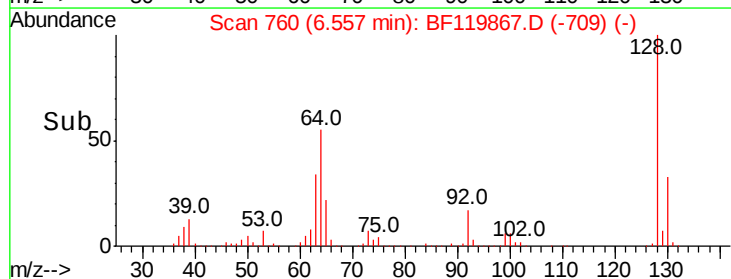
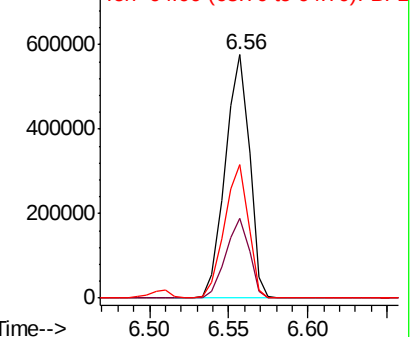
Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	54.7	32.0	72.0

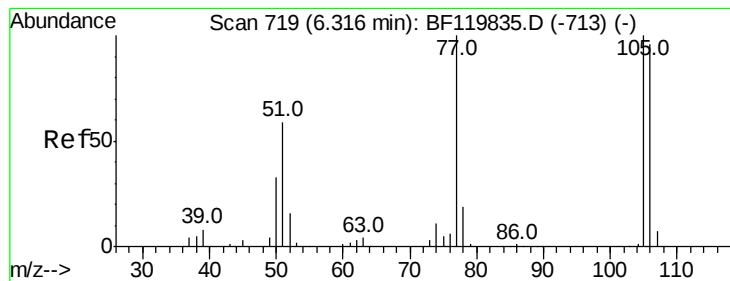


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 44.894 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

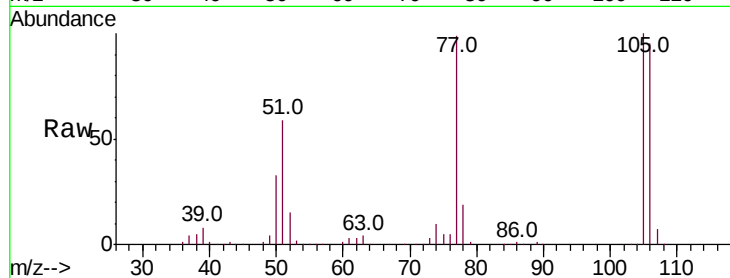
Tot Ion: 77 Resp: 295829

Ion Ratio Lower Upper

77 100

105 100.6 79.9 119.9

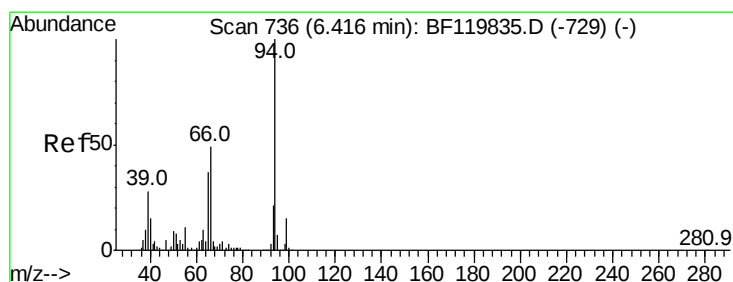
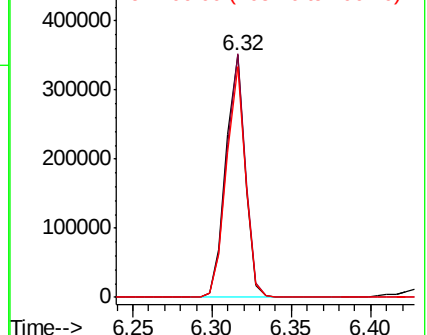
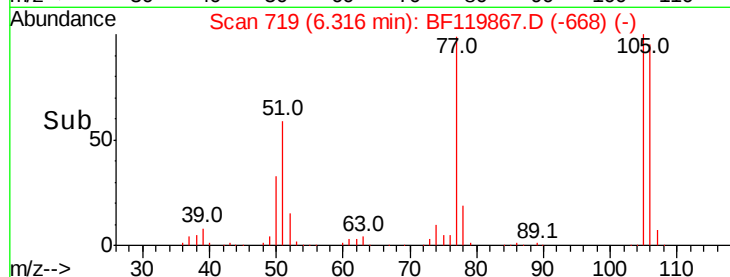
106 95.4 76.4 116.4



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 50.691 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

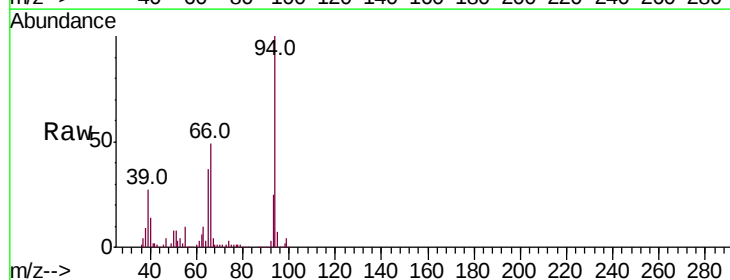
Tgt Ion: 94 Resp: 744262

Ion Ratio Lower Upper

94 100

65 36.7 16.6 56.6

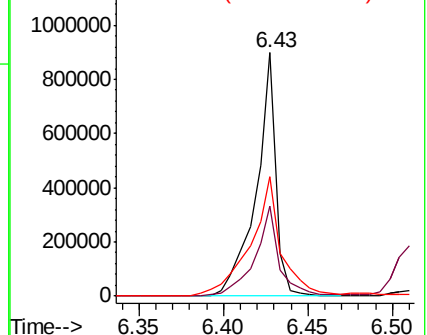
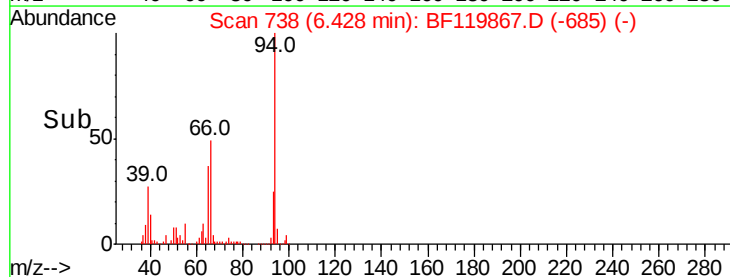
66 48.8 29.3 69.3

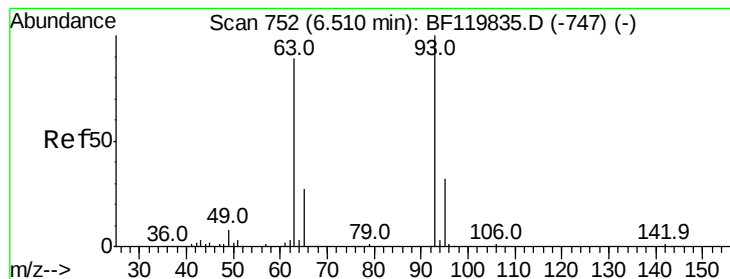


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 54.988 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

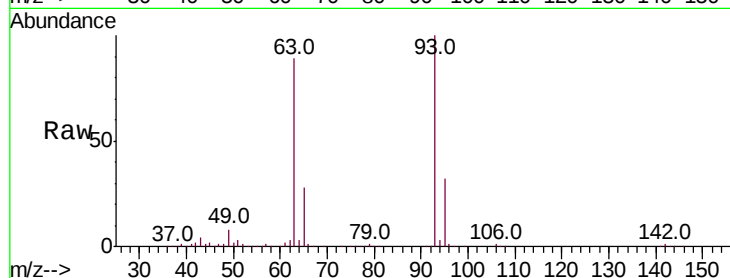
Tot Ion: 93 Resp: 623379

Ion Ratio Lower Upper

93 100

63 89.1 69.1 109.1

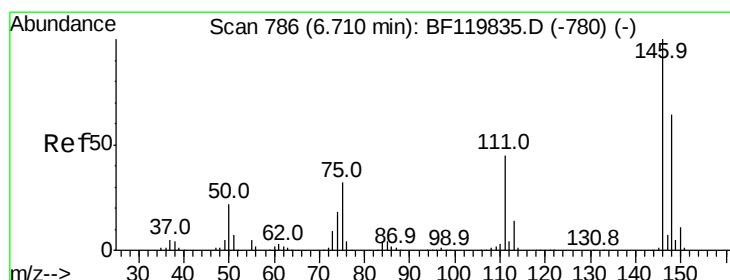
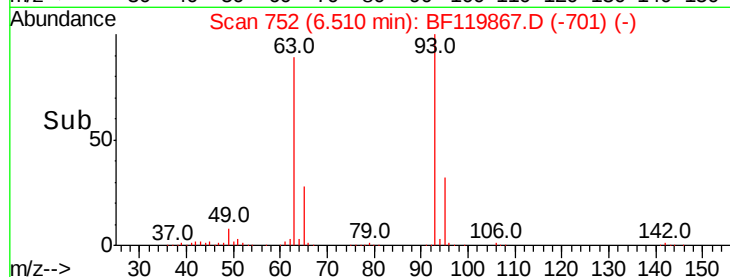
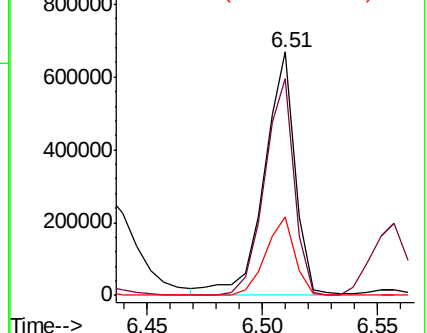
95 32.4 12.3 52.3



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 49.586 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

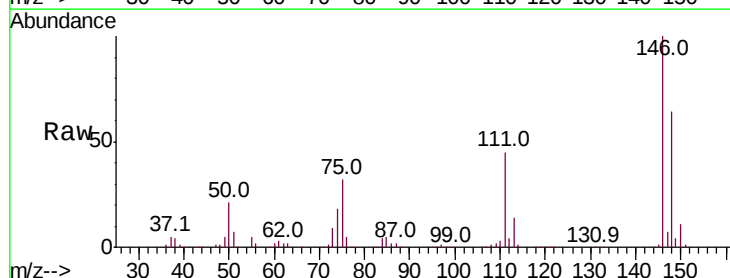
Tgt Ion: 146 Resp: 609215

Ion Ratio Lower Upper

146 100

148 63.8 51.3 76.9

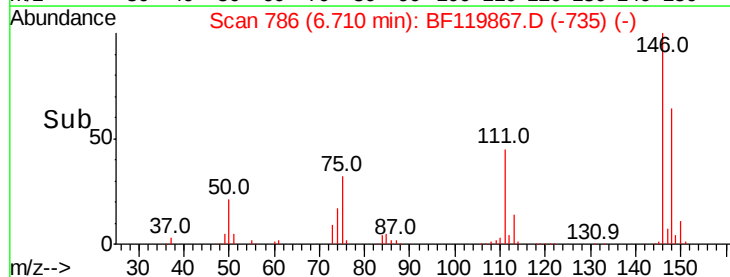
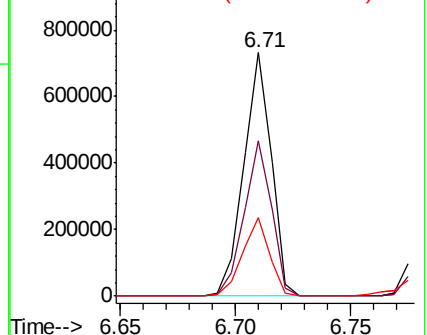
75 32.3 25.3 37.9

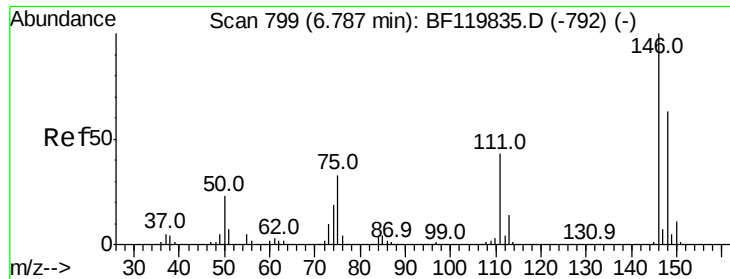


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

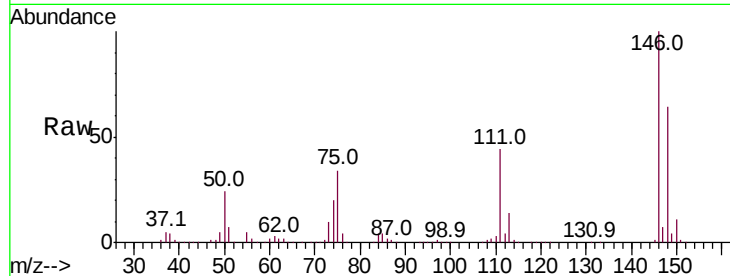




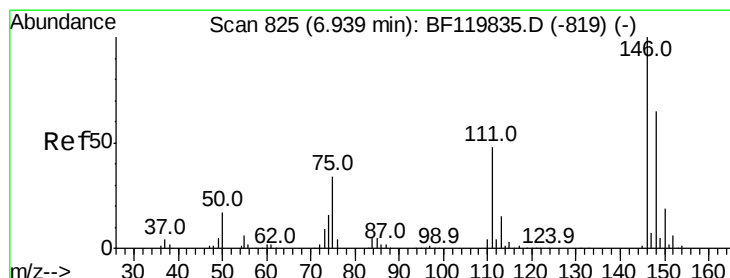
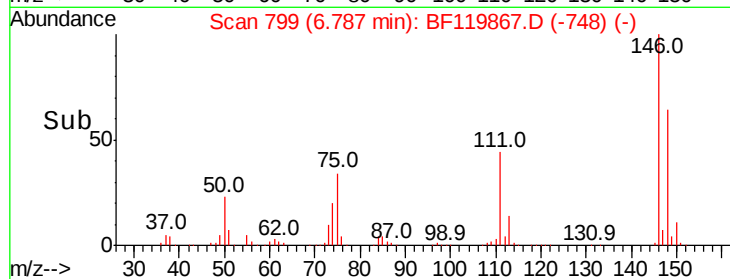
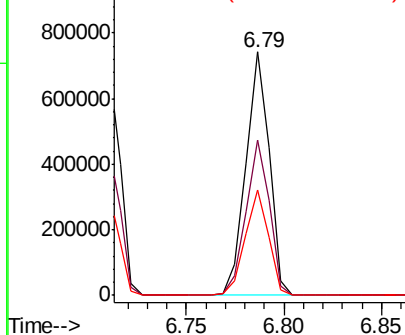
#13
 1,4-Dichlorobenzene
 Concen: 49.374 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
111	43.5	34.7	52.1

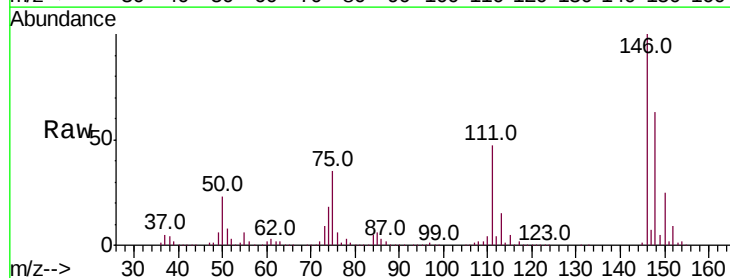


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

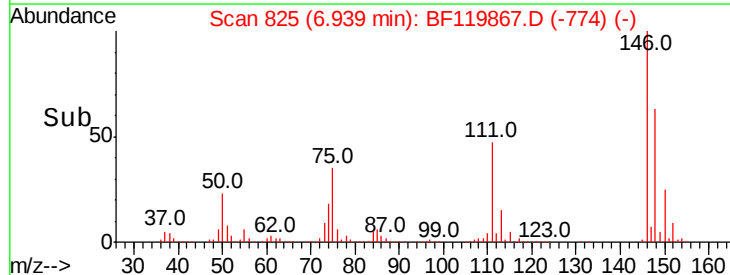
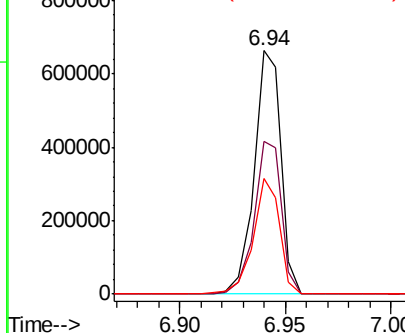


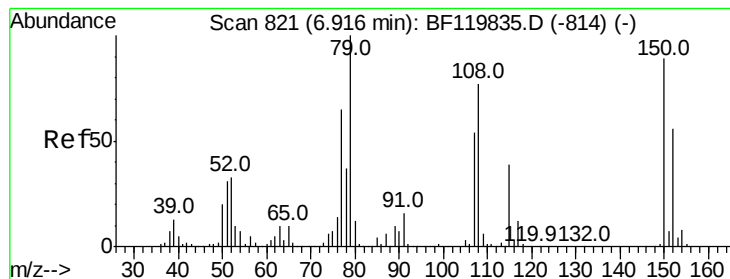
#14
 1,2-Dichlorobenzene
 Concen: 50.464 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.8	77.8
111	47.4	38.0	57.0



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 51.951 ng

RT: 6.92 min Scan# 821

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

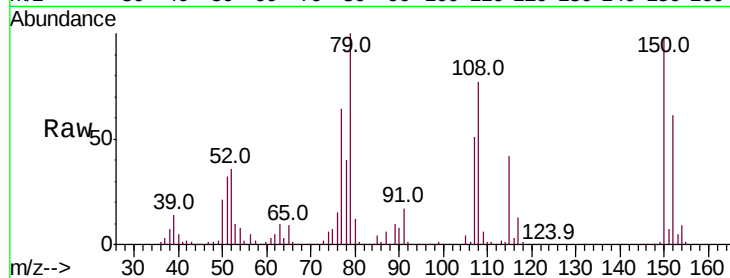
Tot Ion: 79 Resp: 522204

Ion Ratio Lower Upper

79 100

108 76.9 62.0 93.0

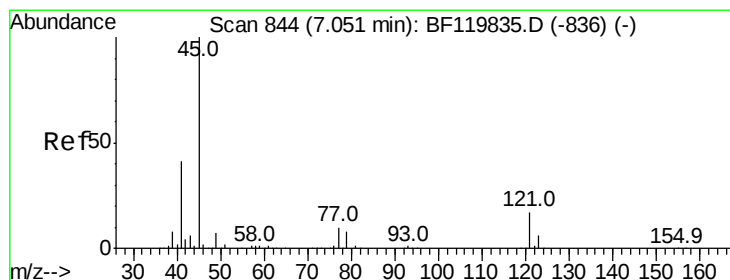
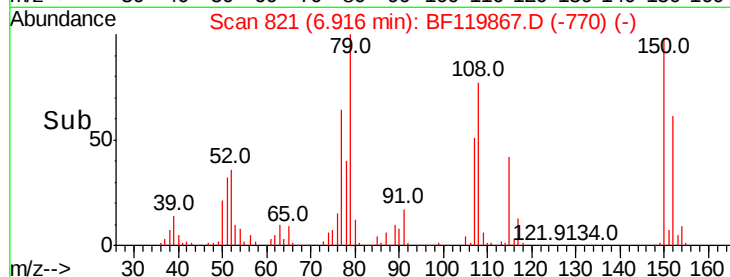
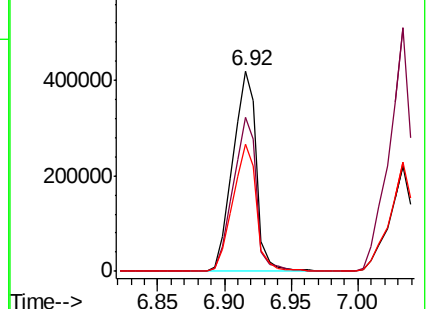
77 63.8 51.8 77.6



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 50.373 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

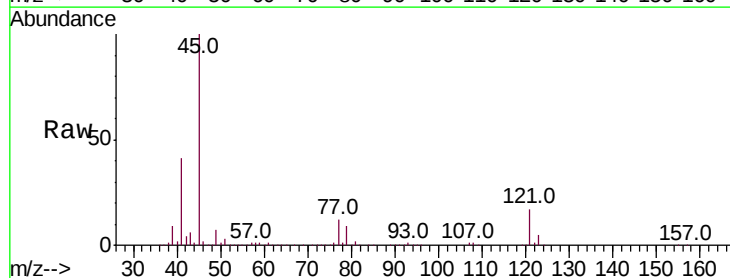
Tgt Ion: 45 Resp: 1111243

Ion Ratio Lower Upper

45 100

77 11.5 0.0 30.7

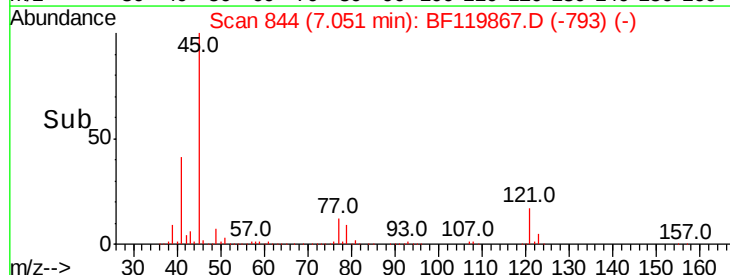
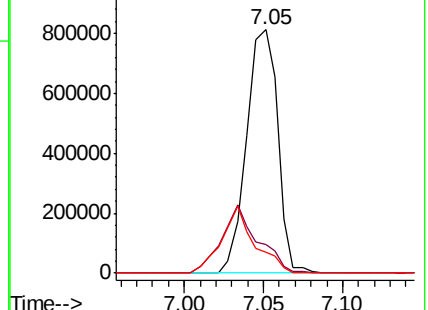
79 8.8 0.0 28.6

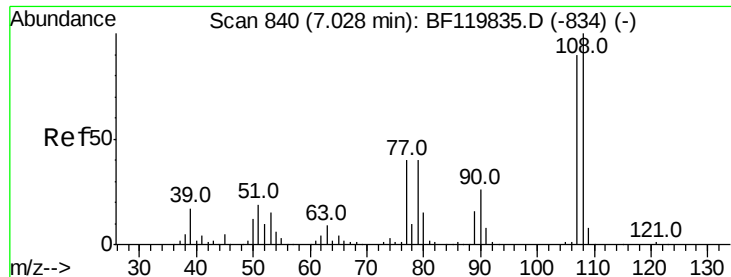


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

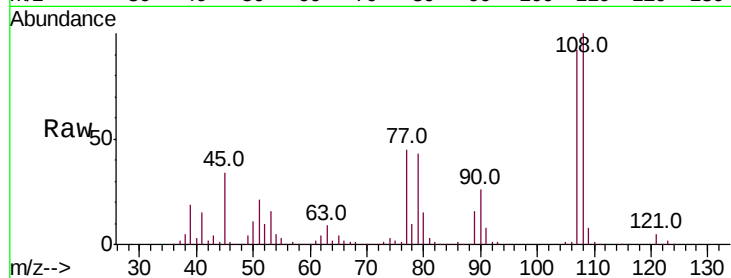




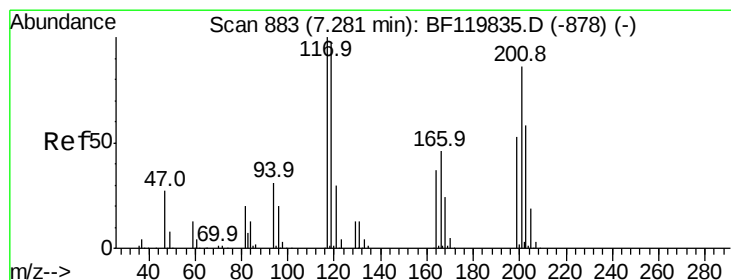
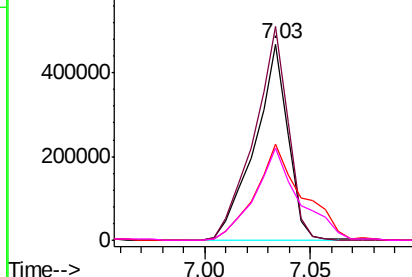
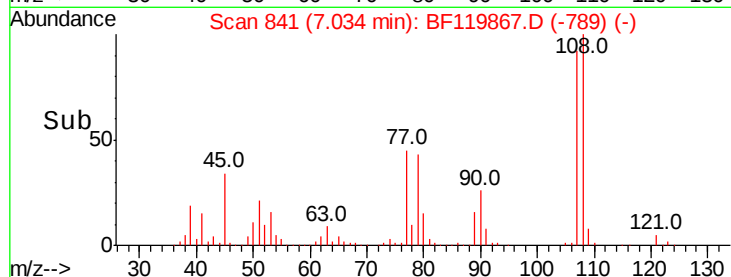
#17
2-Methylphenol
Concen: 51.234 ng
RT: 7.03 min Scan# 841
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:107 Resp: 513104
Ion Ratio Lower Upper
107 100
108 108.7 88.8 133.2
77 49.0 36.0 54.0
79 47.2 35.7 53.5

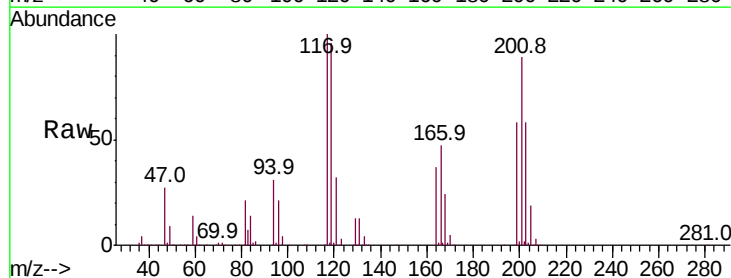


Abundance Ion 107.00 (106.70 to 107.70): E
800000 Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

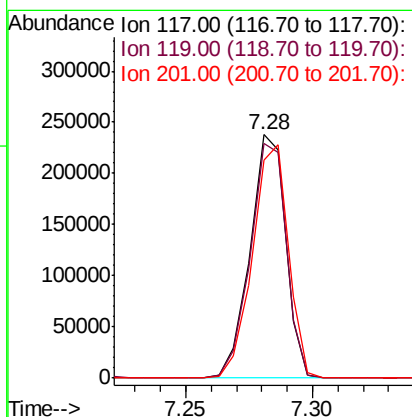
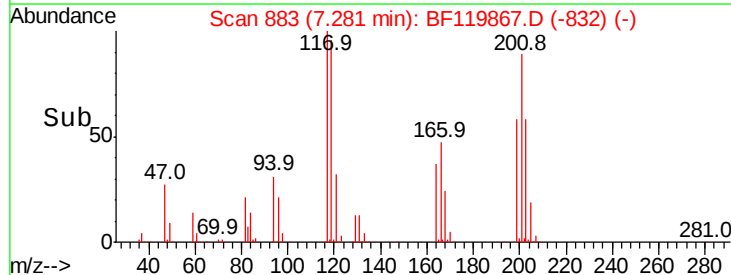


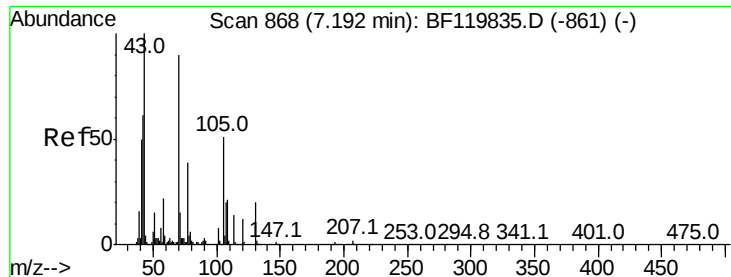
#18
Hexachloroethane
Concen: 50.033 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:117 Resp: 234016
Ion Ratio Lower Upper
117 100
119 96.4 77.4 116.0
201 89.3 68.4 102.6



Abundance Ion 117.00 (116.70 to 117.70): E
300000 Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

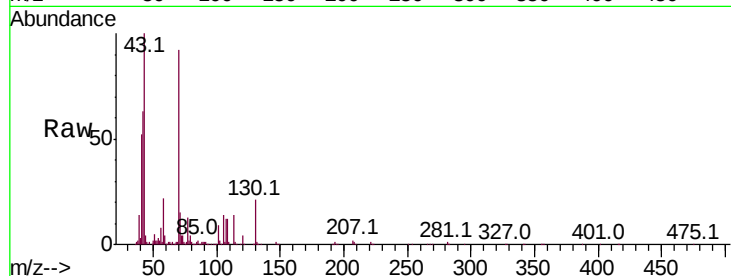




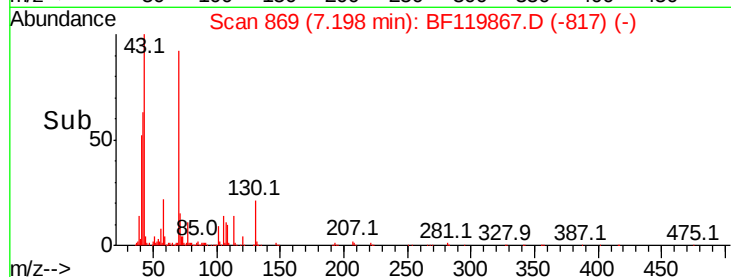
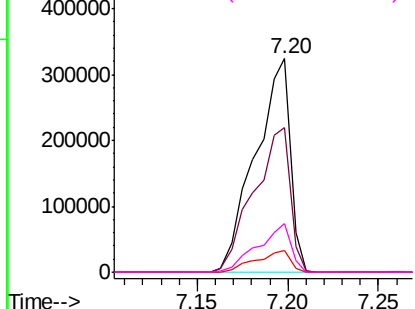
#19
n-Nitroso-di-n-propylamine
Concen: 52.196 ng
RT: 7.20 min Scan# 869
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:	70	Resp:	434386
Ion	Ratio	Lower	Upper
70	100		
42	67.9	54.2	81.4
101	10.0	7.4	11.2
130	22.9	17.8	26.6

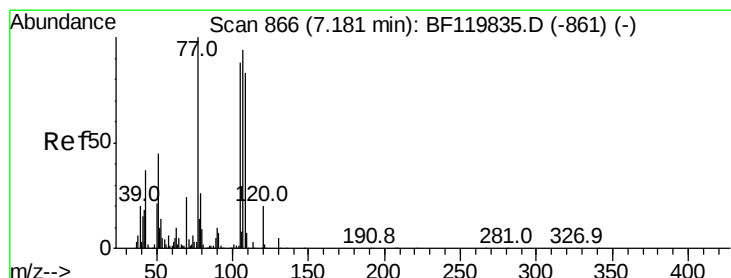


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

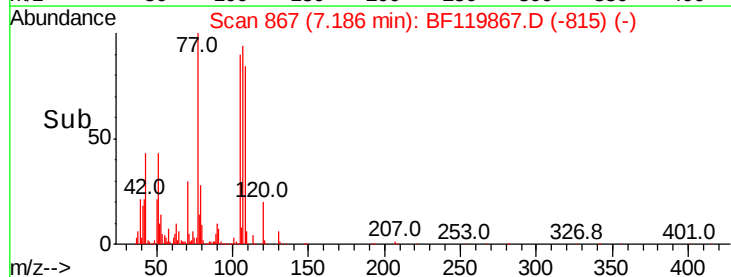
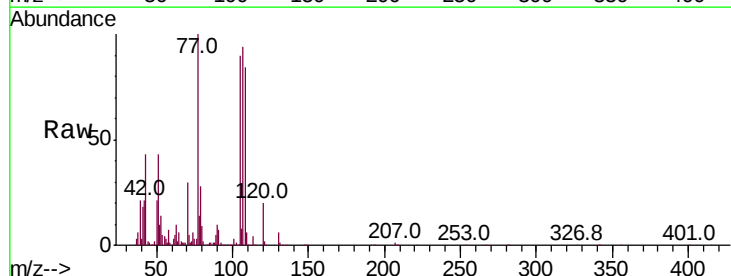
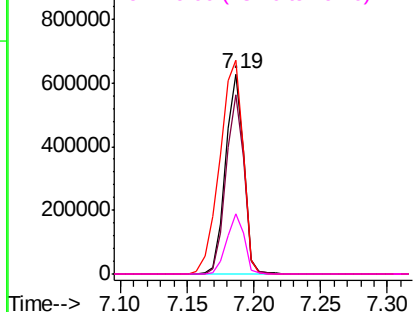


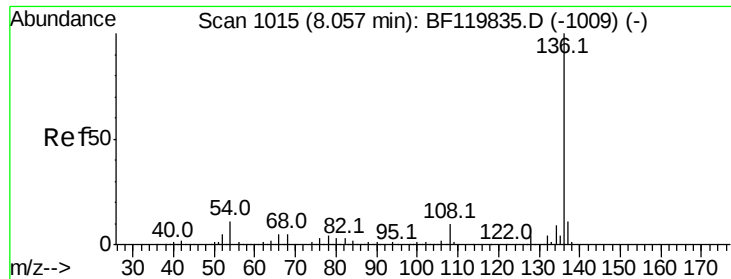
#20
3+4-Methylphenols
Concen: 49.236 ng
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:	107	Resp:	603064
Ion	Ratio	Lower	Upper
107	100		
108	90.0	68.2	108.2
77	106.9	86.6	126.6
79	29.9	7.7	47.7



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

Tot Ion:136 Resp: 630007

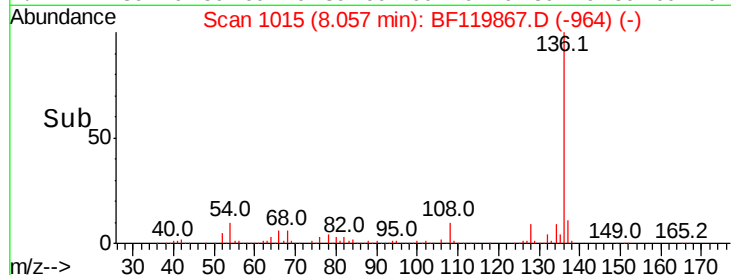
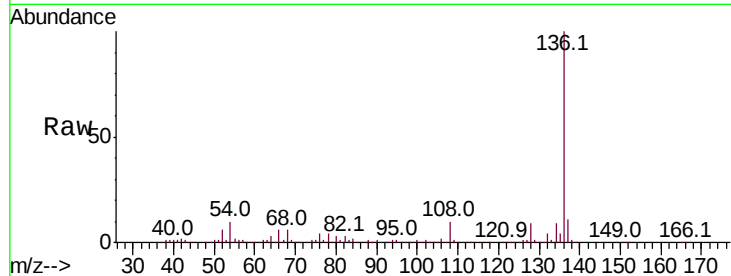
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 10.5 8.5 12.7

68 5.6 3.9 5.9

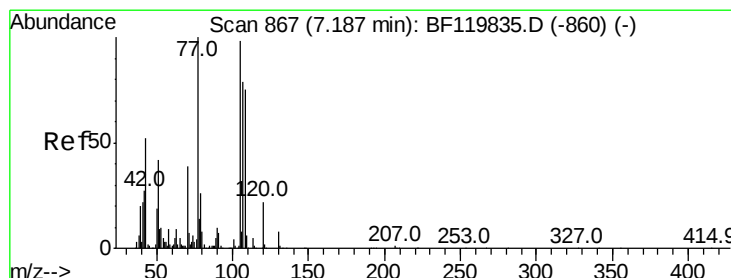
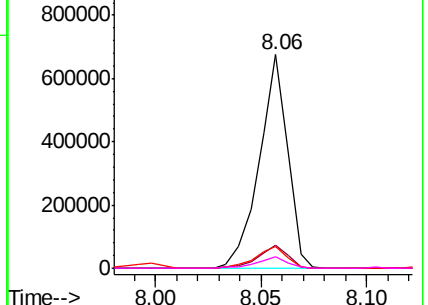


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 55.133 ng

RT: 7.19 min Scan# 867

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Tgt Ion:105 Resp: 813358

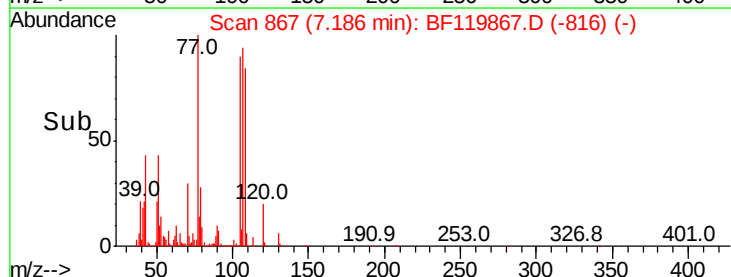
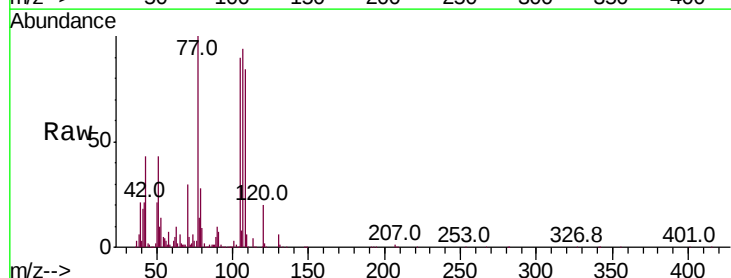
Ion Ratio Lower Upper

105 100

71 5.7 5.6 8.4

51 47.5 33.9 50.9

120 22.3 17.8 26.8

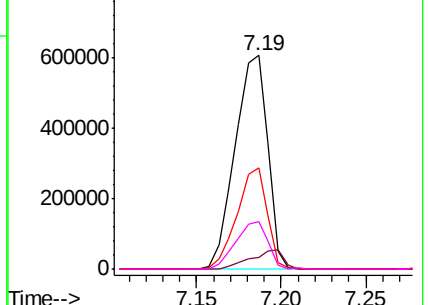


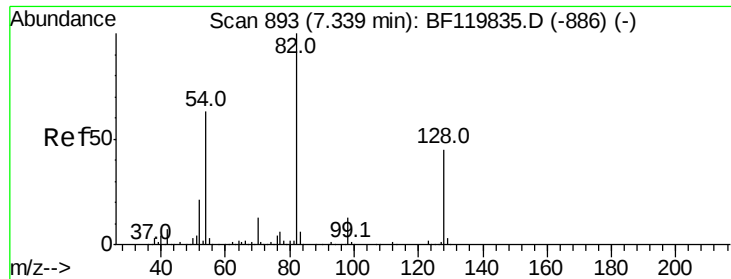
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



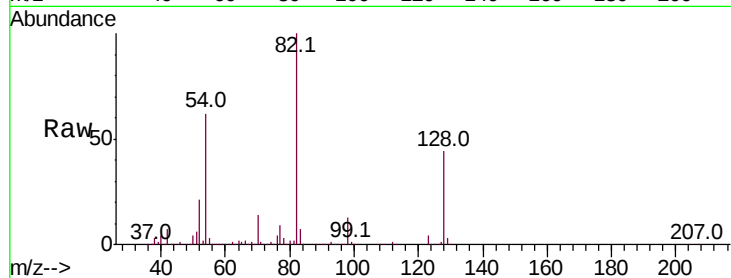


#23
 Nitrobenzene-d5
 Concen: 105.252 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

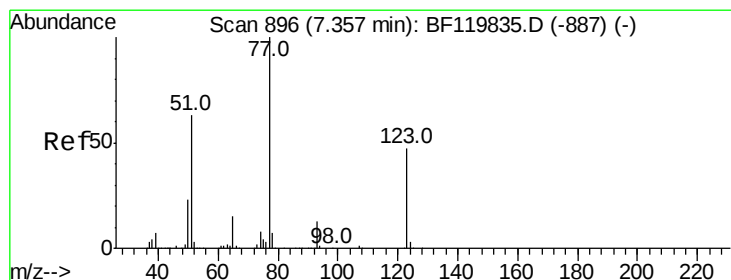
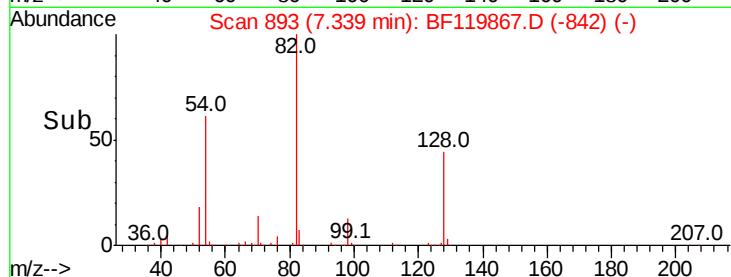
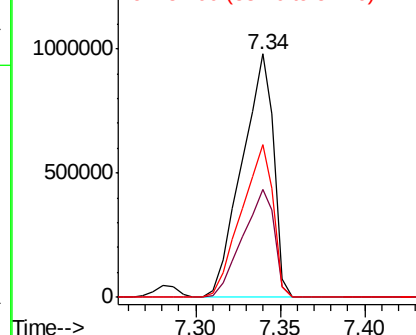
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

Tot Ion: 82 Resp: 1281753

Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.2	54.4
54	62.5	50.4	75.6



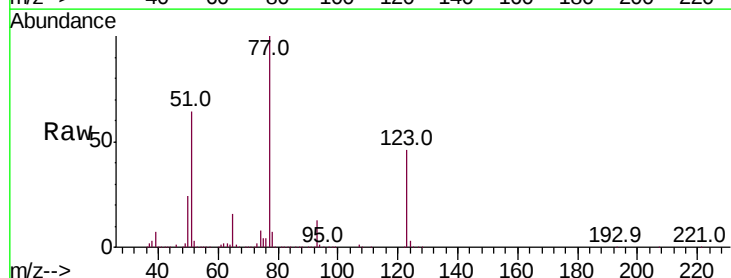
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



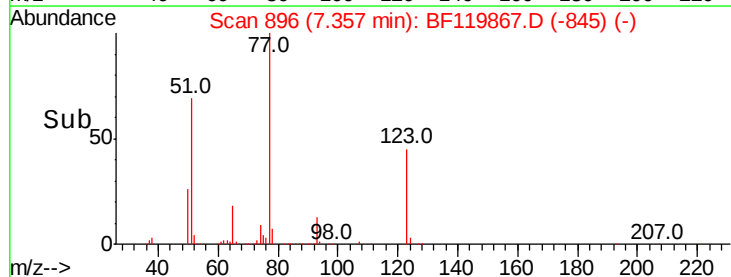
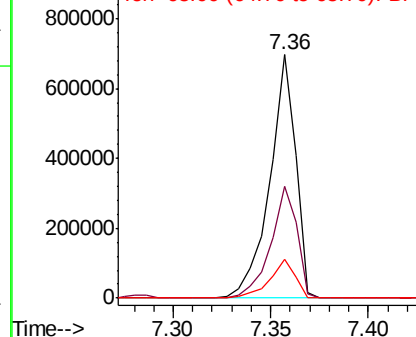
#24
 Nitrobenzene
 Concen: 52.218 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

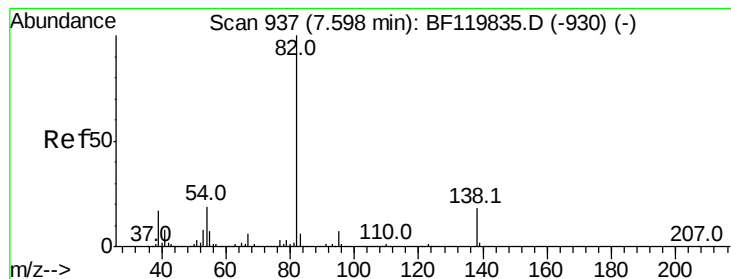
Tgt Ion: 77 Resp: 639701

Ion	Ratio	Lower	Upper
77	100		
123	45.7	37.8	56.8
65	15.8	12.2	18.2



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 51.711 ng

RT: 7.60 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

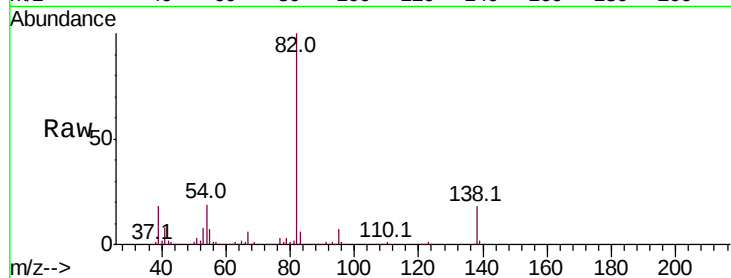
Tot Ion: 82 Resp: 1213947

Ion Ratio Lower Upper

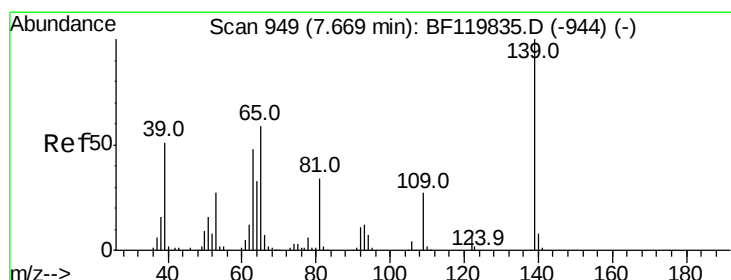
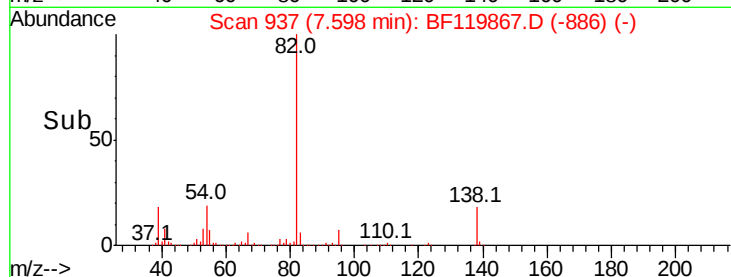
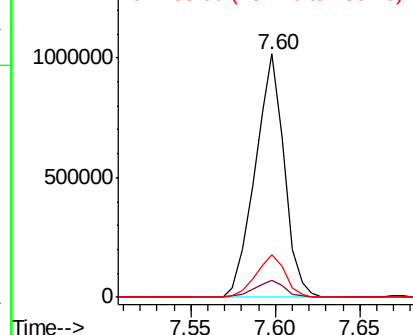
82 100

95 7.1 5.8 8.6

138 17.7 14.5 21.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 52.577 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

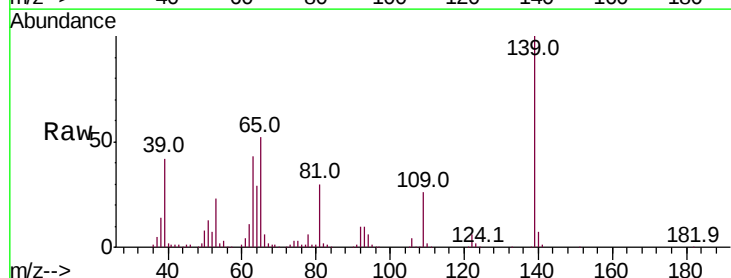
Tgt Ion:139 Resp: 321791

Ion Ratio Lower Upper

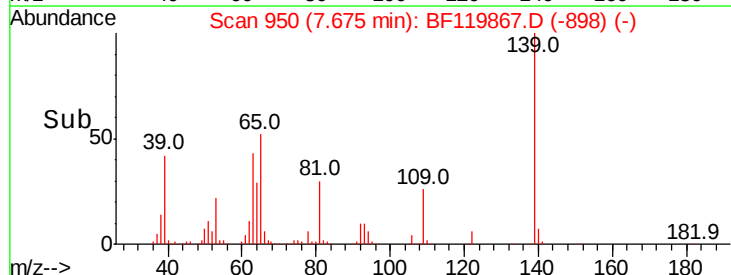
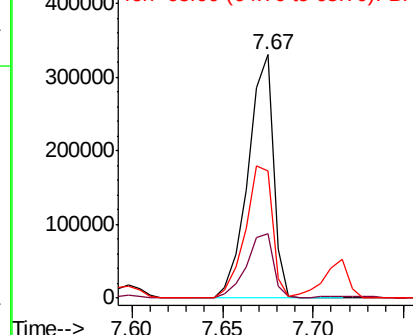
139 100

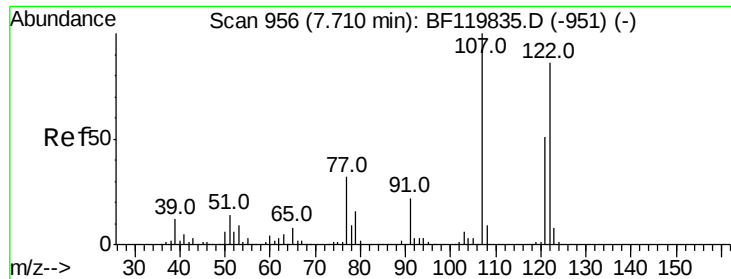
109 26.4 21.8 32.6

65 52.3 47.0 70.4



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

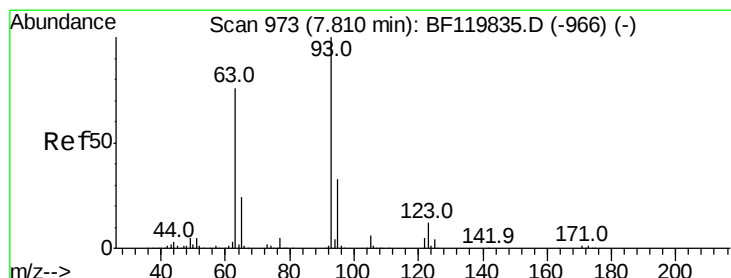
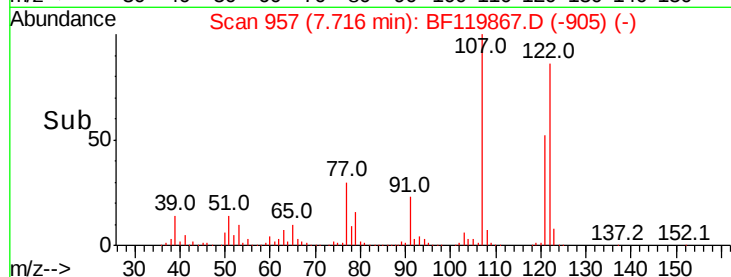
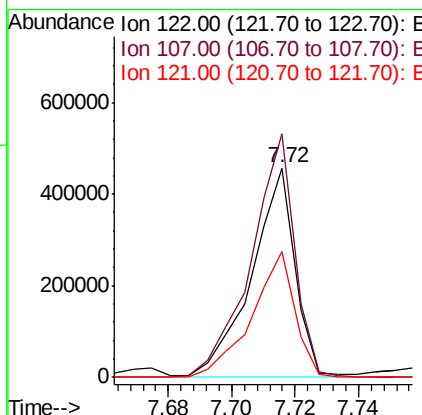
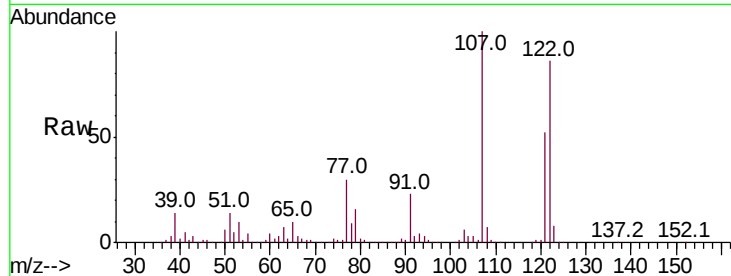




#27
 2,4-Dimethylphenol
 Concen: 46.996 ng
 RT: 7.72 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

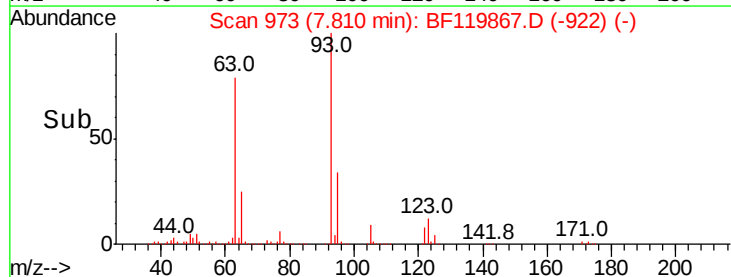
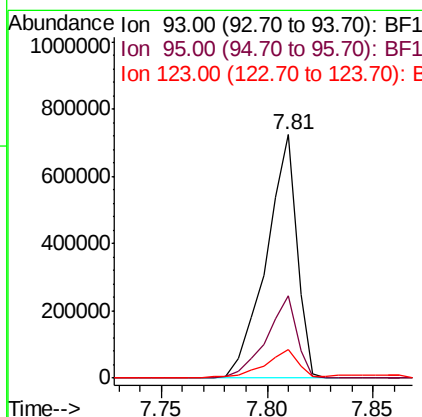
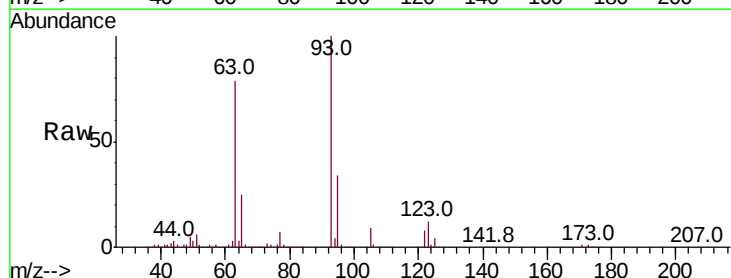
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

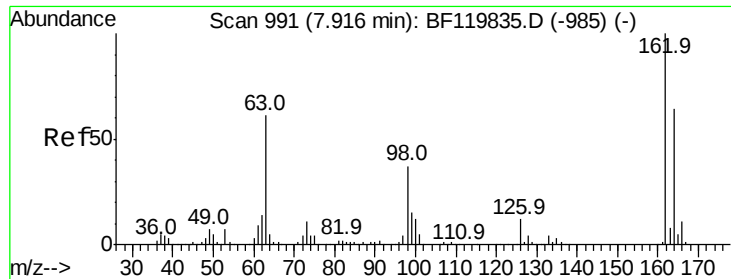
Tot Ion:122 Resp: 433806
 Ion Ratio Lower Upper
 122 100
 107 116.4 92.3 138.5
 121 60.4 46.6 70.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 52.973 ng
 RT: 7.81 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion: 93 Resp: 731766
 Ion Ratio Lower Upper
 93 100
 95 33.7 26.4 39.6
 123 11.6 9.7 14.5

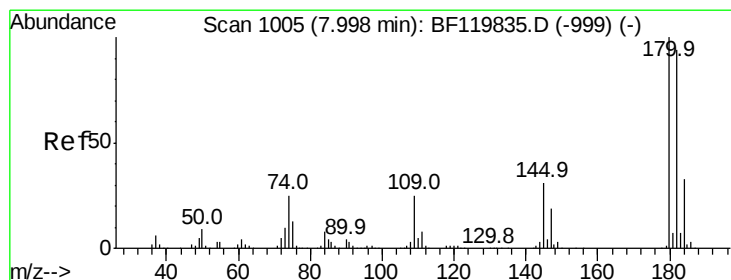
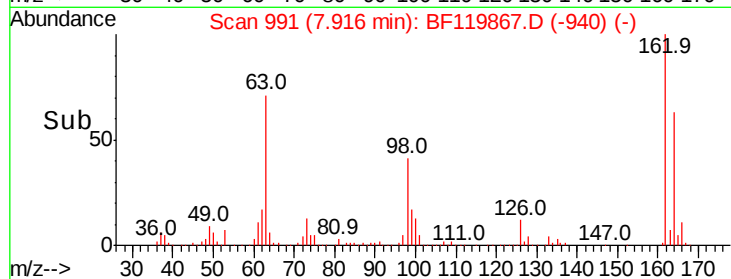
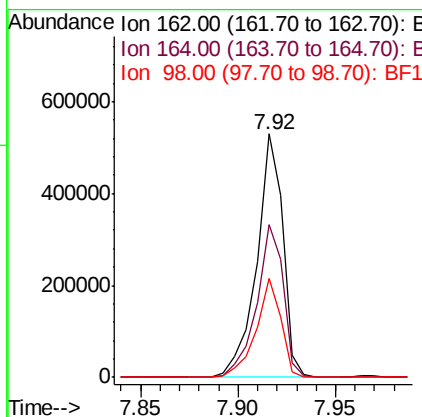
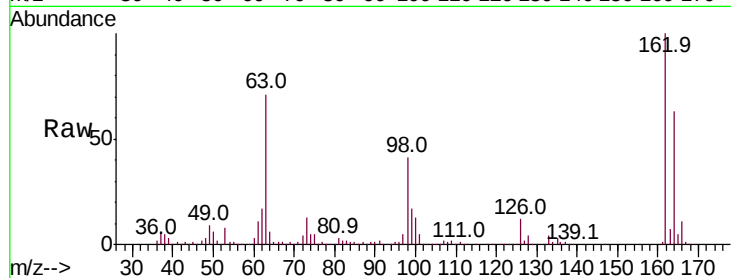




#29
 2,4-Dichlorophenol
 Concen: 52.077 ng
 RT: 7.92 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

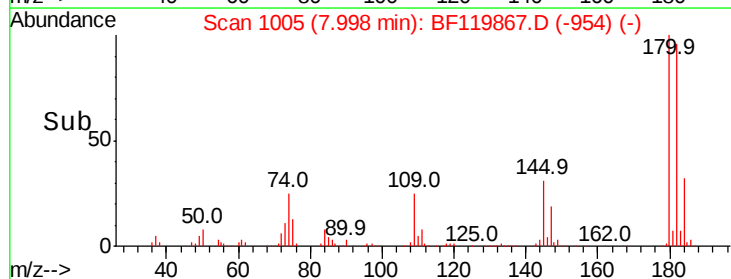
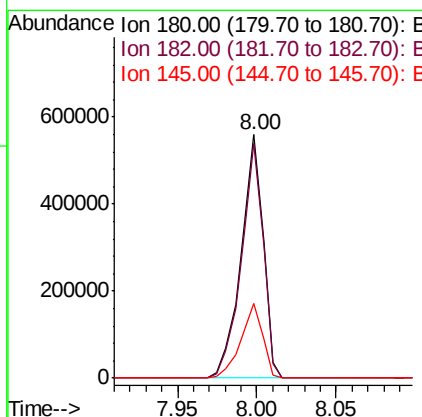
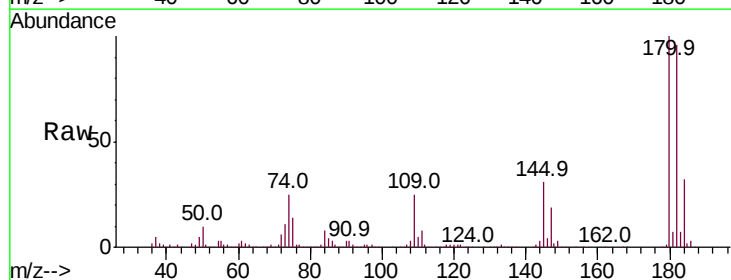
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

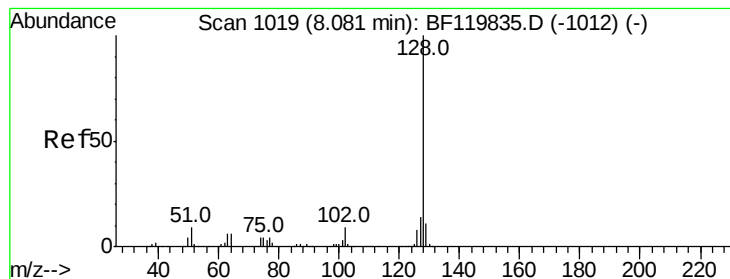
Tot Ion:	162	Resp:	492735
Ion	Ratio	Lower	Upper
162	100		
164	62.8	44.4	84.4
98	40.8	17.3	57.3



#30
 1,2,4-Trichlorobenzene
 Concen: 50.126 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion:	180	Resp:	537388
Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.4	113.0
145	30.6	24.6	37.0





#31

Naphthalene

Concen: 51.313 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

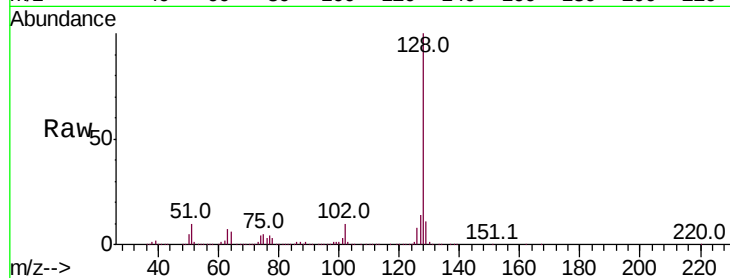
Tot Ion:128 Resp: 1700835

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

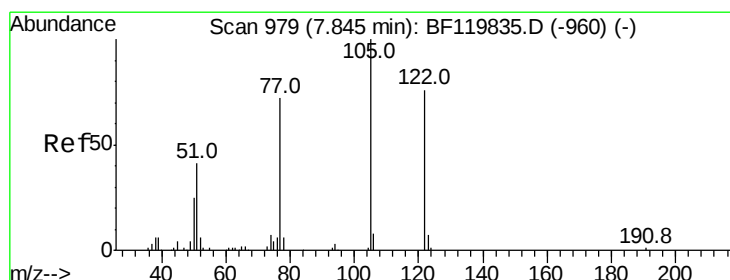
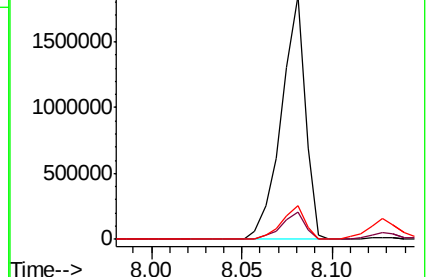
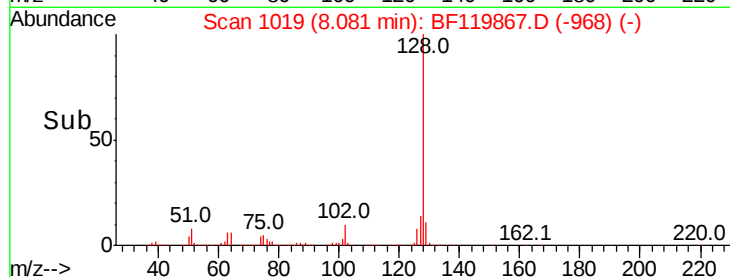
127 13.9 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 51.957 ng

RT: 7.86 min Scan# 982

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

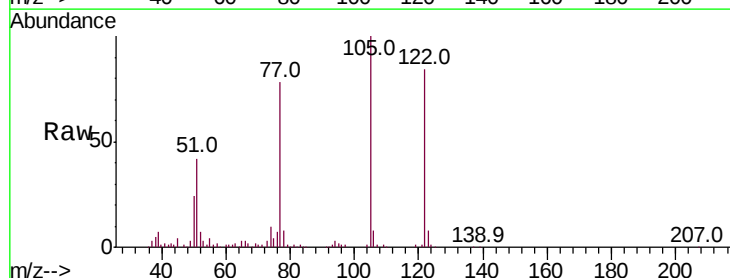
Tgt Ion:122 Resp: 421209

Ion Ratio Lower Upper

122 100

105 119.2 106.7 146.7

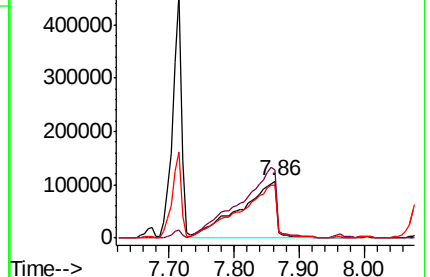
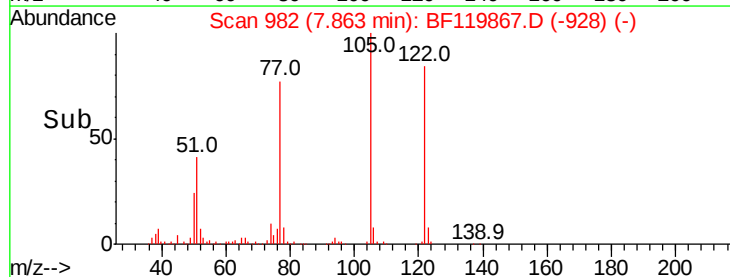
77 92.9 72.1 112.1

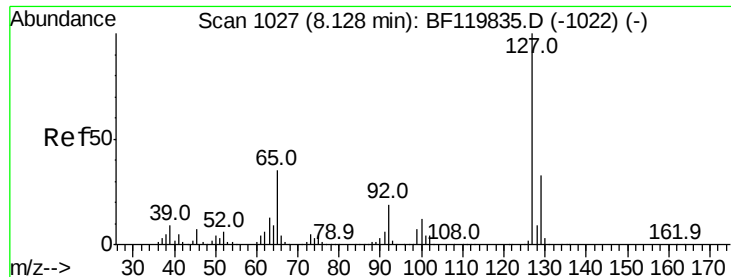


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

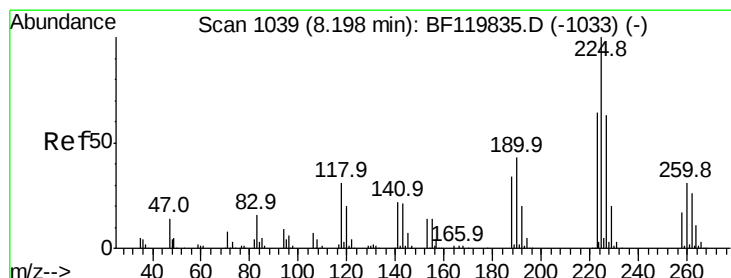
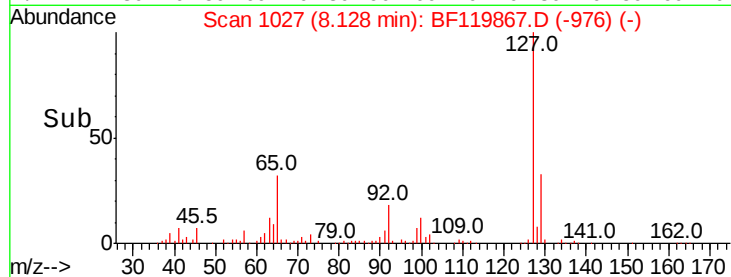
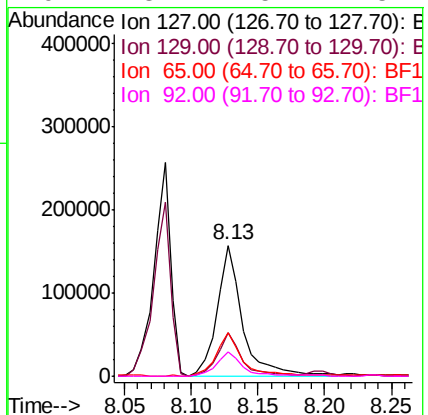
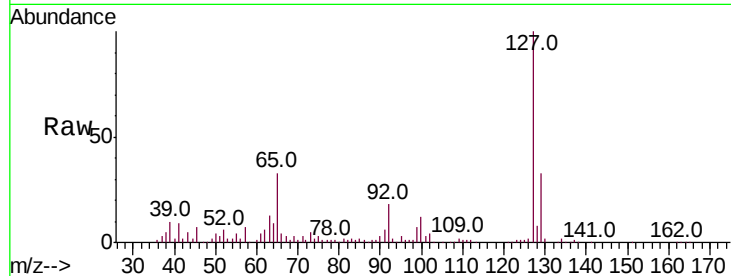




#33
4-Chloroaniline
Concen: 14.331 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

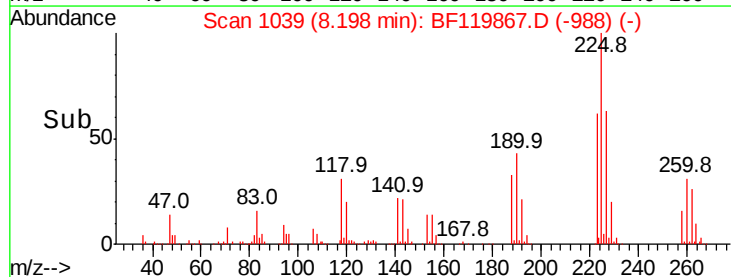
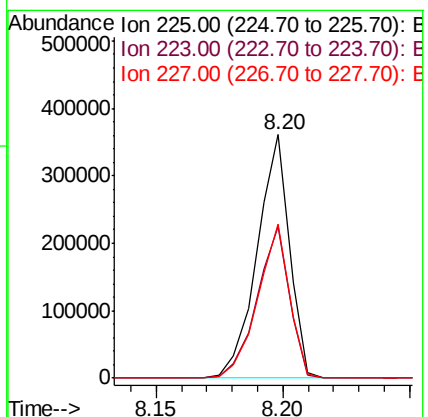
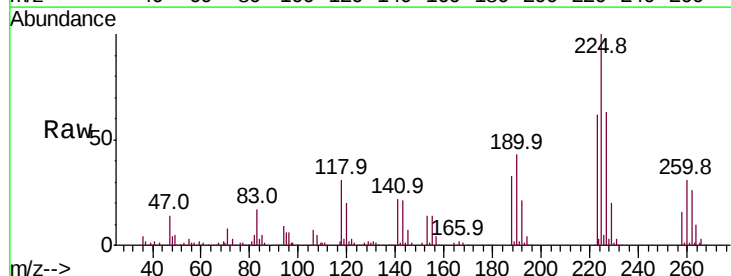
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

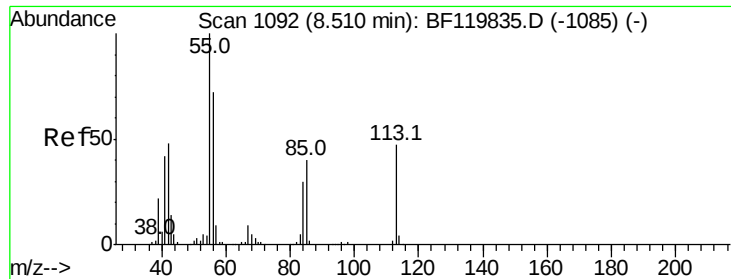
Tot Ion:	127	Resp:	206796
Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.2	39.2
65	33.2	28.3	42.5
92	18.1	15.4	23.2



#34
Hexachlorobutadiene
Concen: 49.991 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:	225	Resp:	320818
Ion	Ratio	Lower	Upper
225	100		
223	62.4	51.0	76.6
227	63.4	50.4	75.6

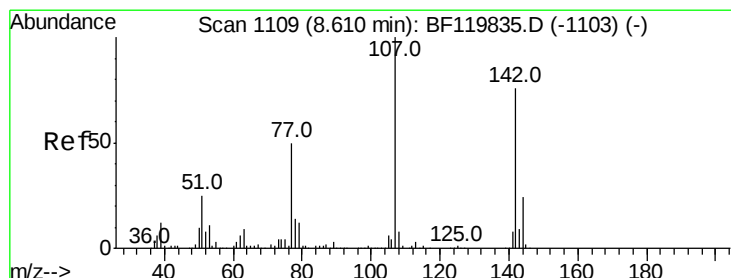
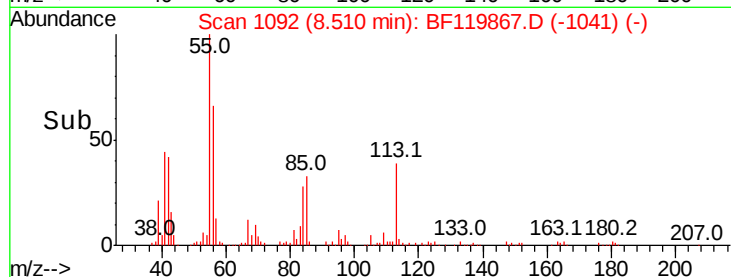
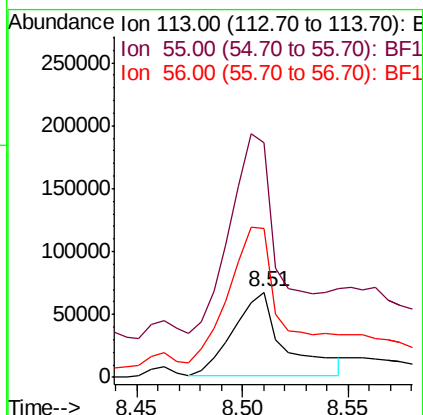
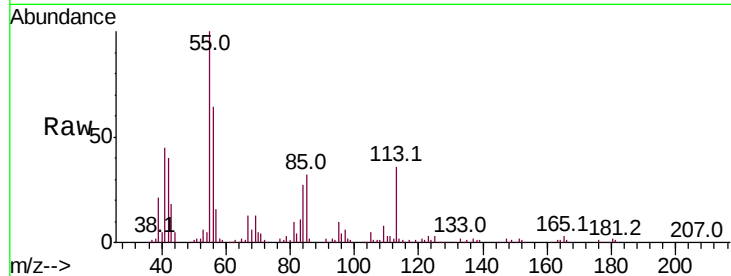




#35
 Caprolactam
 Concen: 38.107 ng
 RT: 8.51 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

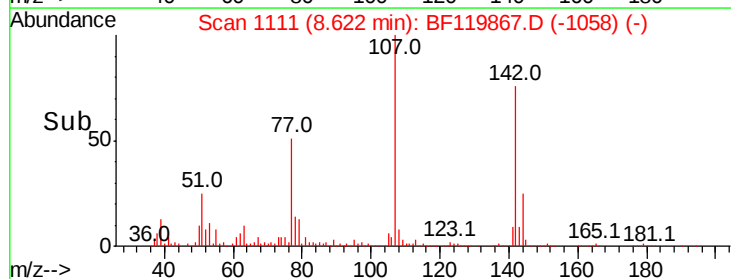
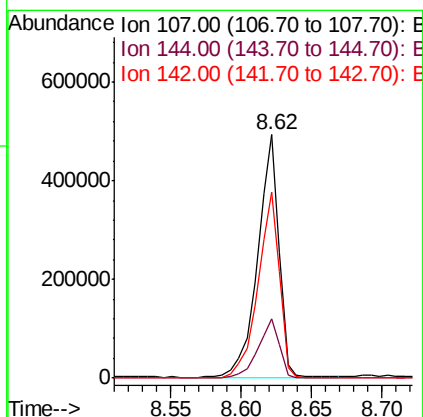
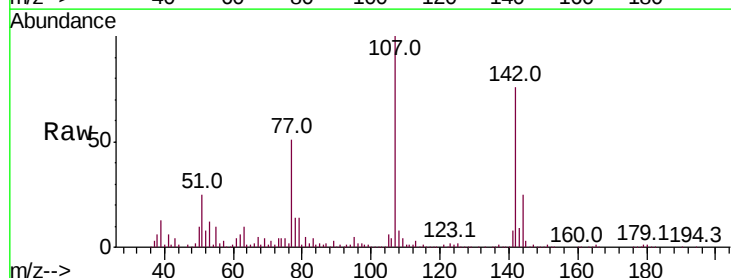
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

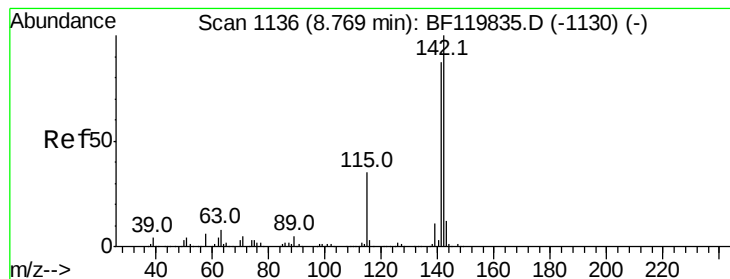
Tot Ion:113 Resp: 110292
 Ion Ratio Lower Upper
 113 100
 55 274.4 192.7 232.7#
 56 175.1 133.3 173.3#



#36
 4-Chloro-3-methylphenol
 Concen: 51.139 ng
 RT: 8.62 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion:107 Resp: 523857
 Ion Ratio Lower Upper
 107 100
 144 24.5 19.5 29.3
 142 76.3 60.5 90.7





#37

2-Methylnaphthalene

Concen: 48.339 ng

RT: 8.77 min Scan# 1137

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

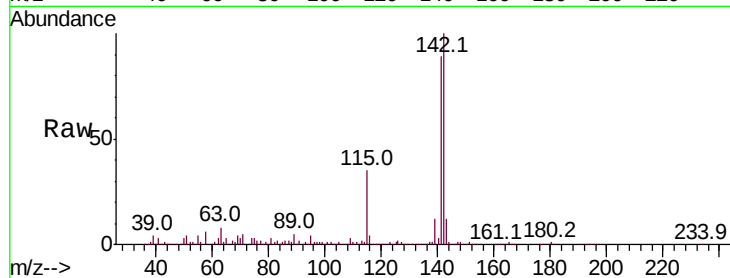
Tot Ion:142 Resp: 1086278

Ion Ratio Lower Upper

142 100

141 89.0 69.9 104.9

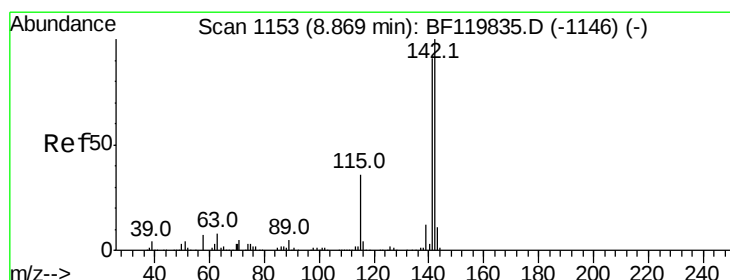
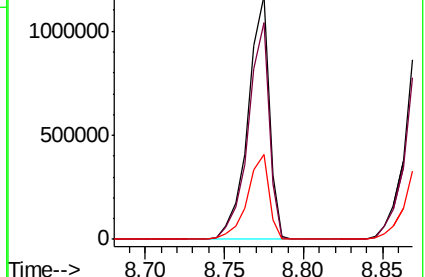
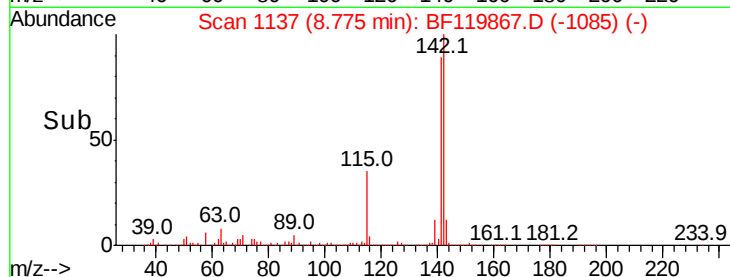
115 34.8 28.0 42.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 48.292 ng

RT: 8.87 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

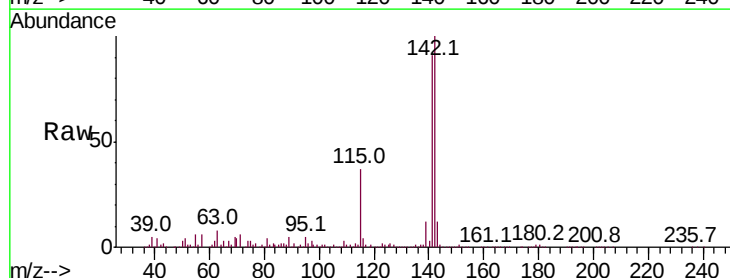
Tgt Ion:142 Resp: 1022886

Ion Ratio Lower Upper

142 100

141 91.3 72.9 109.3

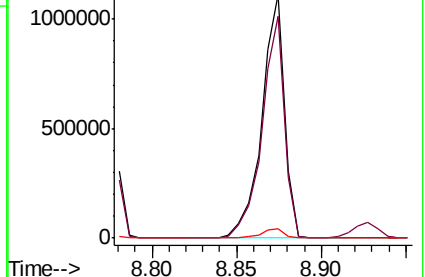
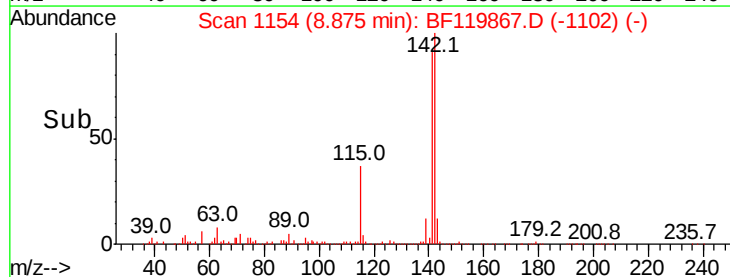
116 3.9 3.0 4.6

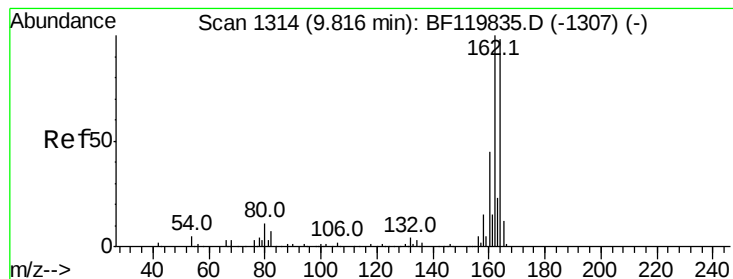


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

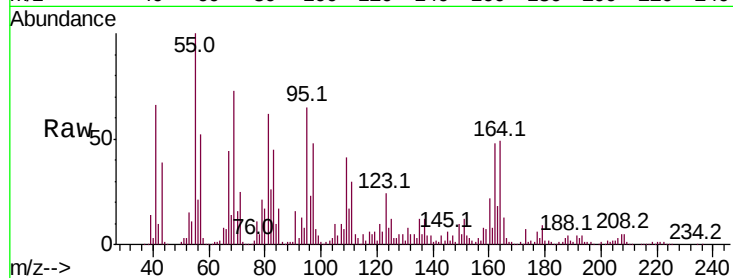
Tot Ion:164 Resp: 245936

Ion Ratio Lower Upper

164 100

162 98.7 81.9 122.9

160 46.1 36.6 54.8

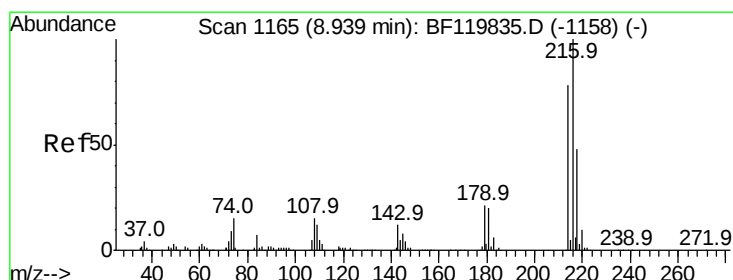
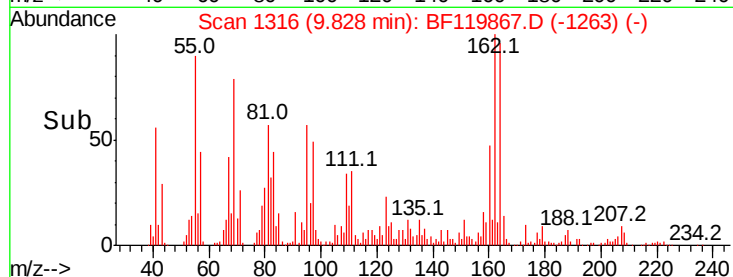
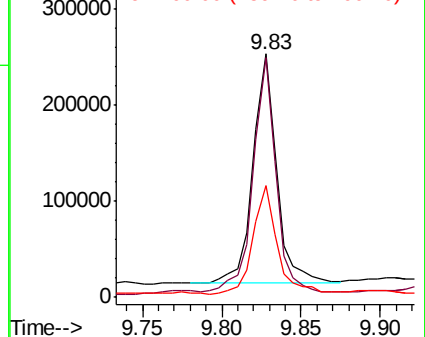


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 61.162 ng

RT: 8.95 min Scan# 1166

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Tgt Ion:216 Resp: 475089

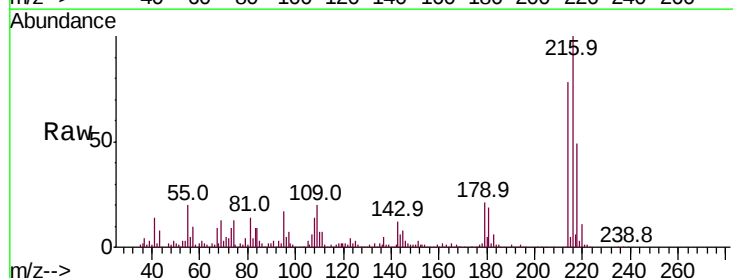
Ion Ratio Lower Upper

216 100

214 79.9 63.1 94.7

179 20.7 17.0 25.4

108 22.0 14.8 22.2



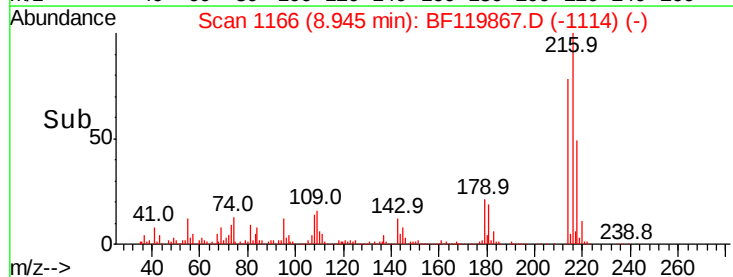
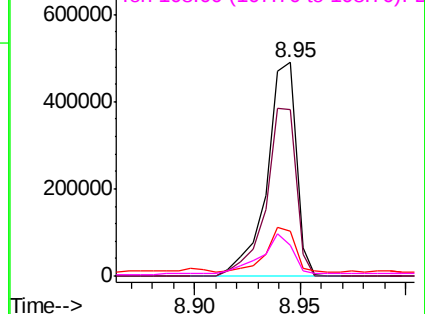
Abundance

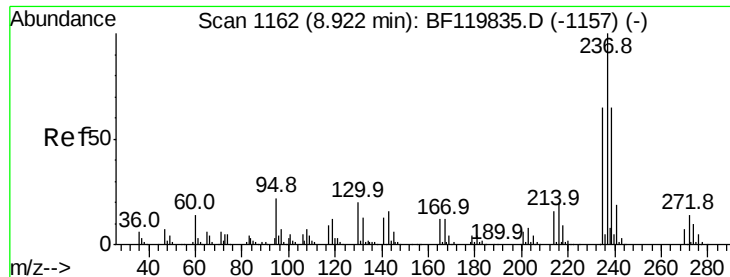
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 128.647 ng

RT: 8.93 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

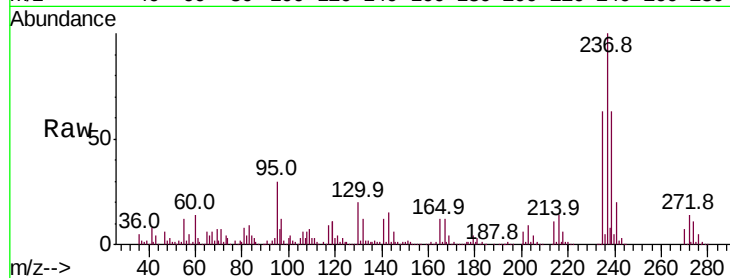
Tot Ion:237 Resp: 568236

Ion Ratio Lower Upper

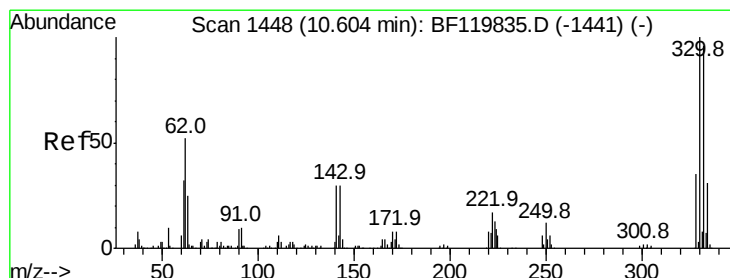
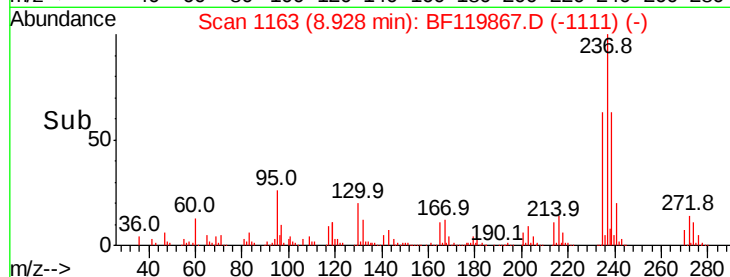
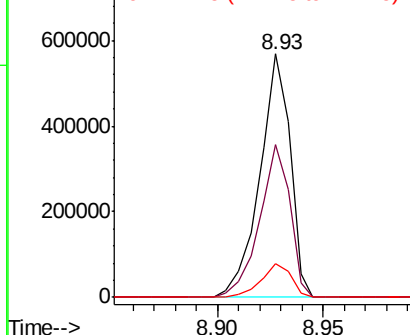
237 100

235 62.6 44.9 84.9

272 13.6 0.0 33.6



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 138.138 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.03 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

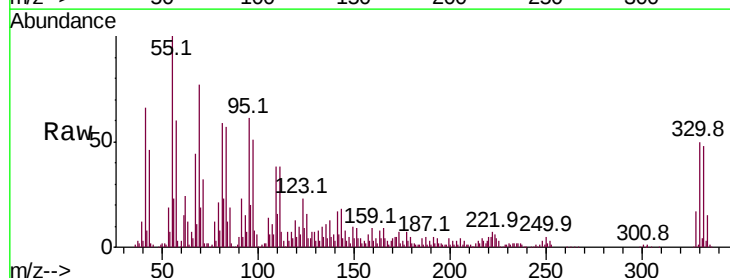
Tgt Ion:330 Resp: 415946

Ion Ratio Lower Upper

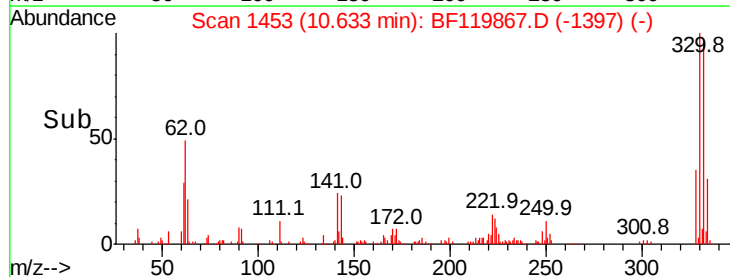
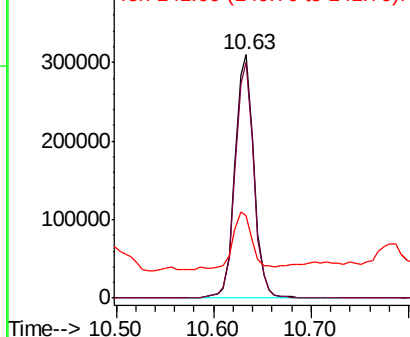
330 100

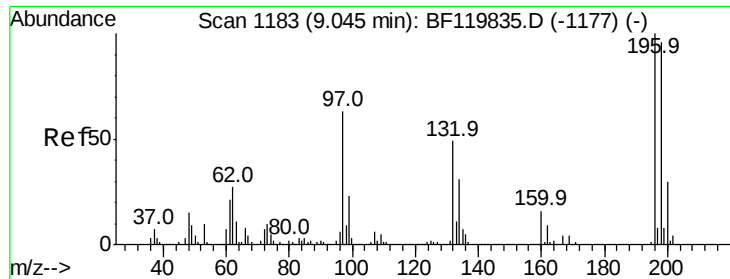
332 96.2 76.8 115.2

141 22.6 25.1 37.7#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

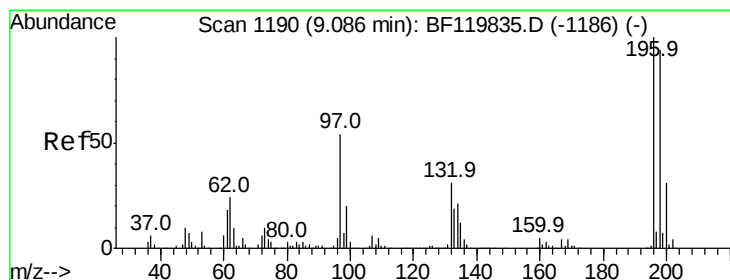
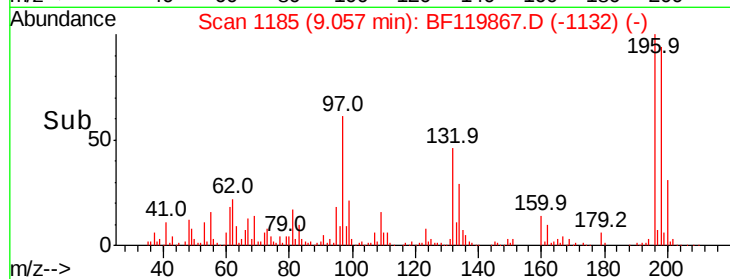
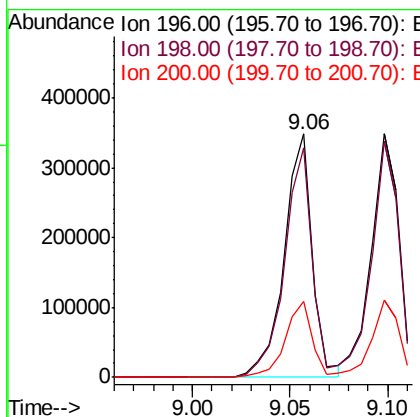
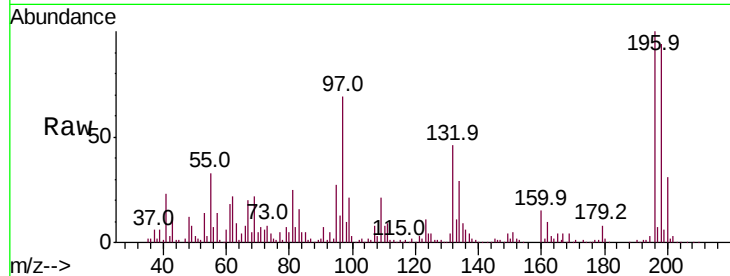




#43
 2,4,6-Trichlorophenol
 Concen: 64.301 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

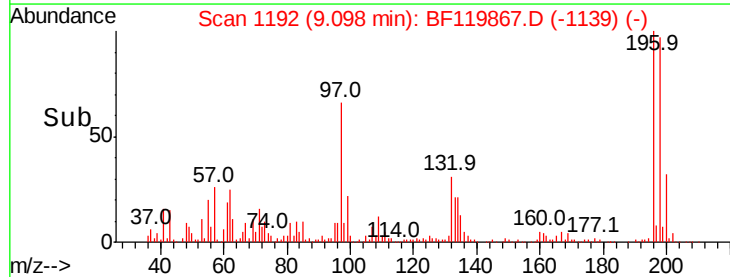
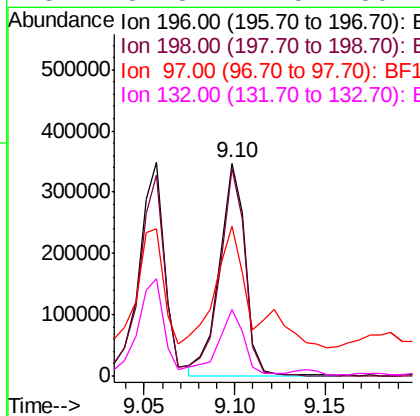
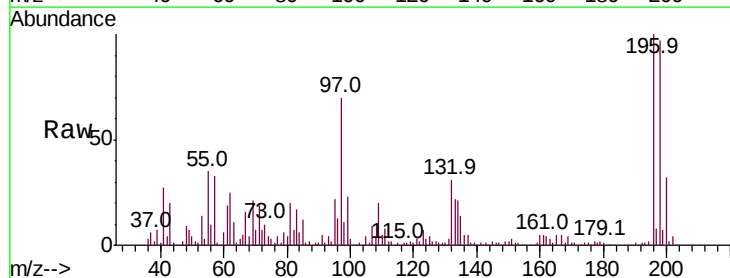
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

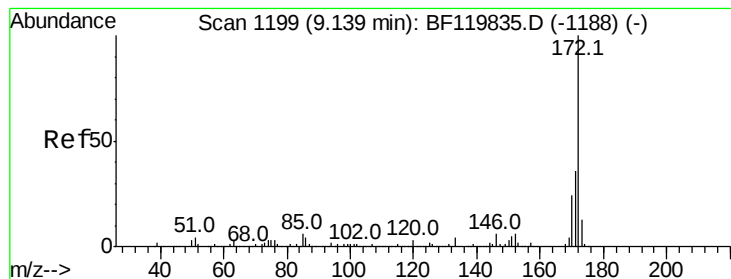
Tot Ion	Ratio	Lower	Upper
196	100		
198	94.4	76.6	115.0
200	31.3	24.2	36.2



#44
 2,4,5-Trichlorophenol
 Concen: 56.567 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.3	75.1	112.7
97	70.4	43.4	65.2#
132	31.3	24.5	36.7





#45

2-Fluorobiphenyl

Concen: 126.589 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.00 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

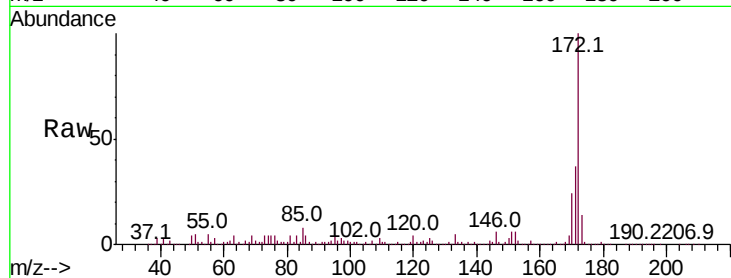
Tot Ion:172 Resp: 2192793

Ion Ratio Lower Upper

172 100

171 36.6 28.9 43.3

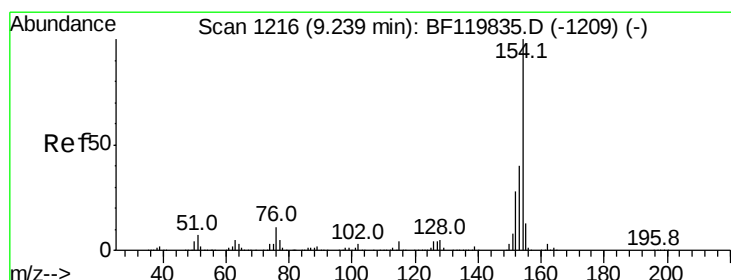
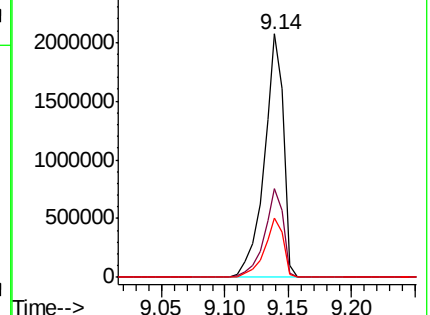
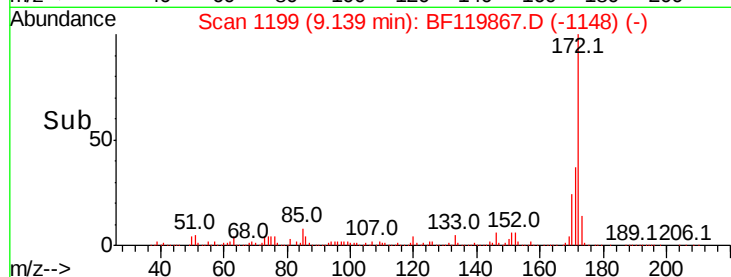
170 24.3 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 59.263 ng

RT: 9.25 min Scan# 1217

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

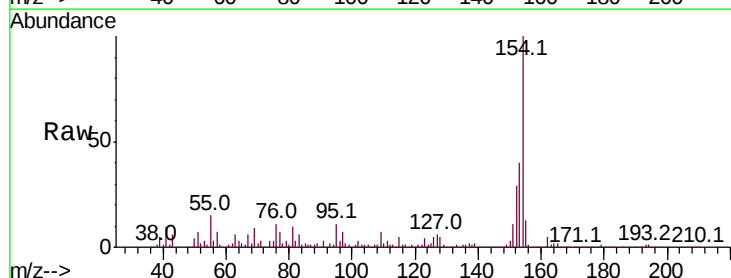
Tgt Ion:154 Resp: 1230211

Ion Ratio Lower Upper

154 100

153 39.7 20.5 60.5

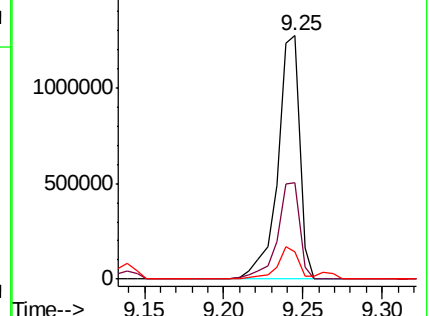
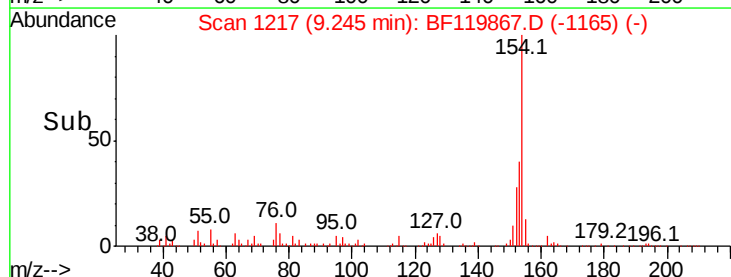
76 11.2 0.0 30.6

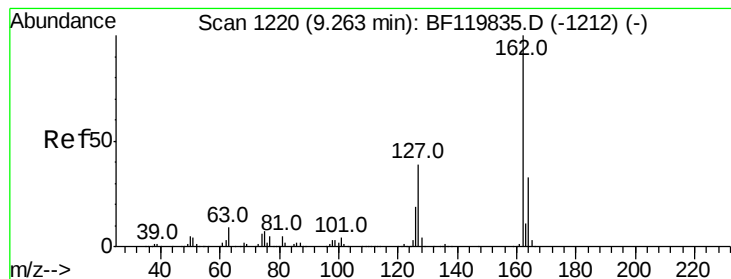


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 59.657 ng

RT: 9.27 min Scan# 1221

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

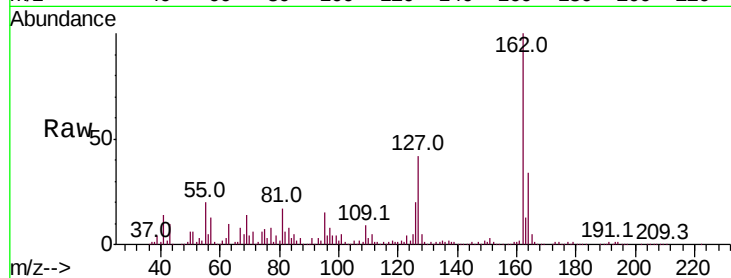
Tot Ion:162 Resp: 953984

Ion Ratio Lower Upper

162 100

127 41.6 31.2 46.8

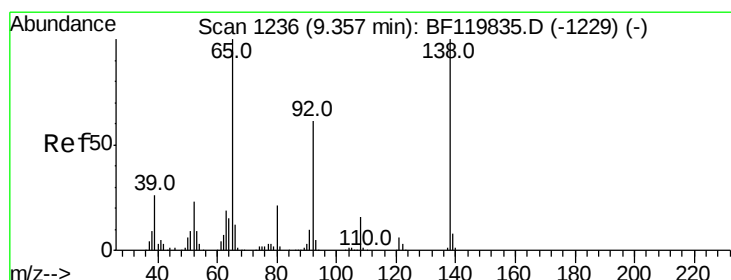
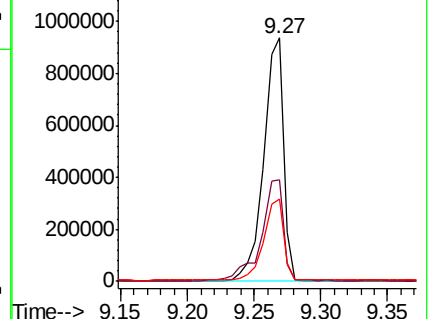
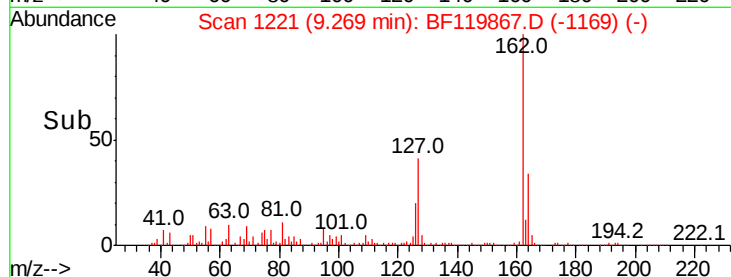
164 34.0 26.3 39.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 63.376 ng

RT: 9.36 min Scan# 1237

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

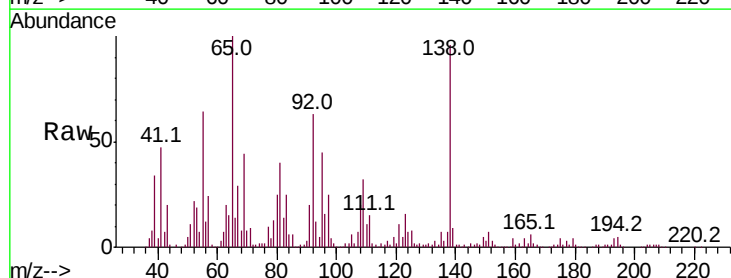
Tgt Ion: 65 Resp: 367266

Ion Ratio Lower Upper

65 100

92 63.1 49.0 73.6

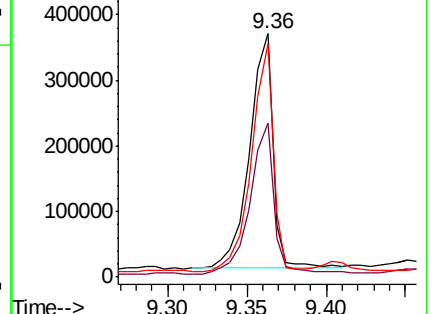
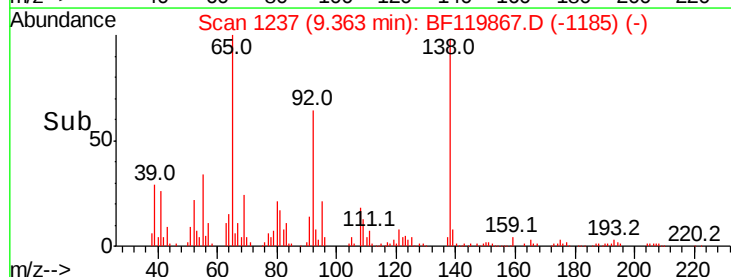
138 95.9 79.7 119.5

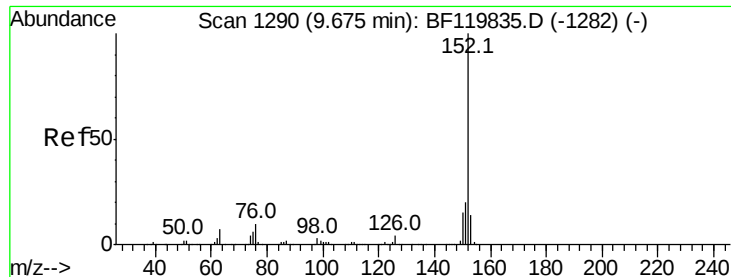


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

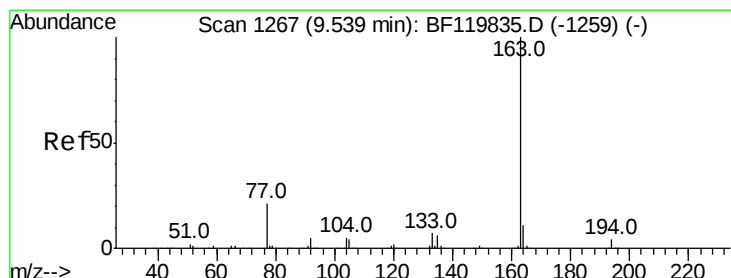
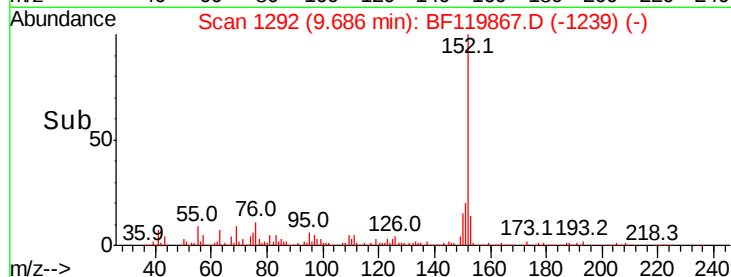
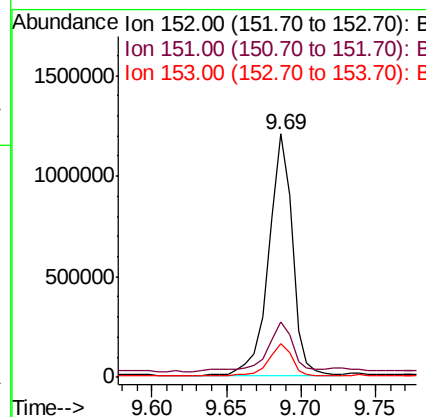
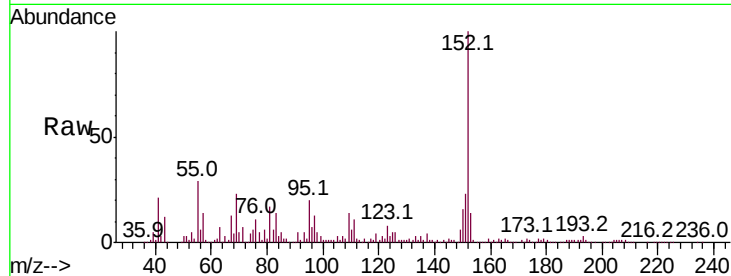




#49
Acenaphthylene
Concen: 53.799 ng
RT: 9.69 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

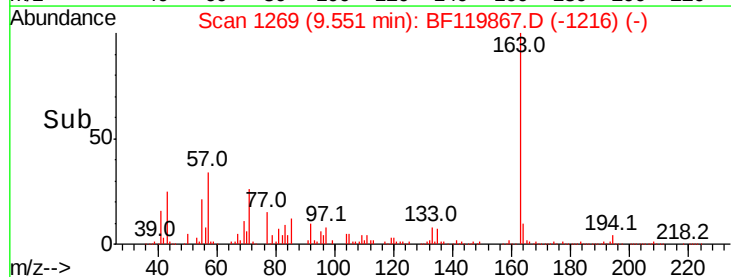
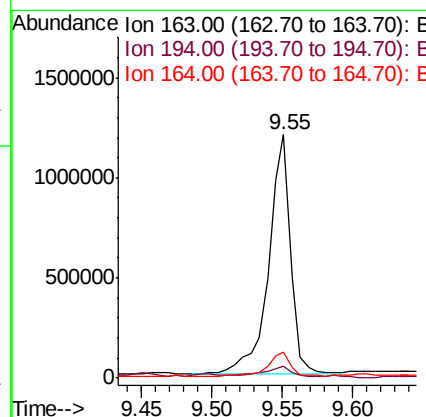
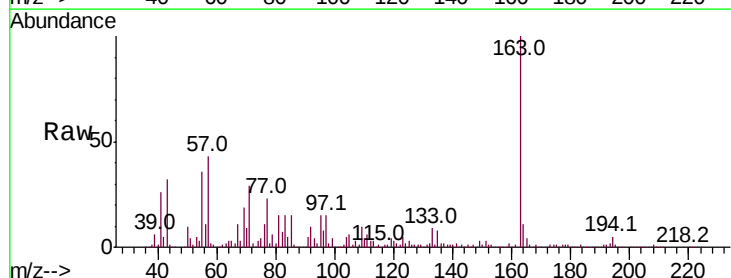
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

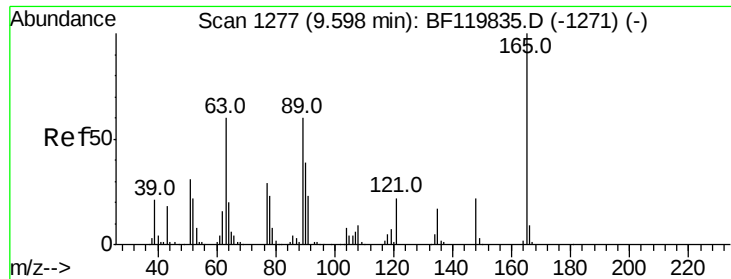
Tot Ion:152 Resp: 1308356
Ion Ratio Lower Upper
152 100
151 22.6 16.2 24.4
153 13.8 10.9 16.3



#50
Dimethylphthalate
Concen: 68.595 ng
RT: 9.55 min Scan# 1269
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:163 Resp: 1304875
Ion Ratio Lower Upper
163 100
194 4.7 3.0 4.4#
164 10.6 8.4 12.6

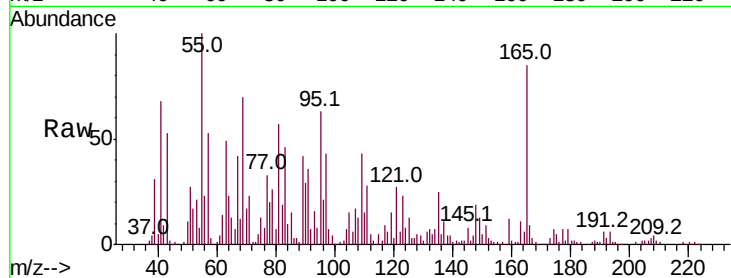




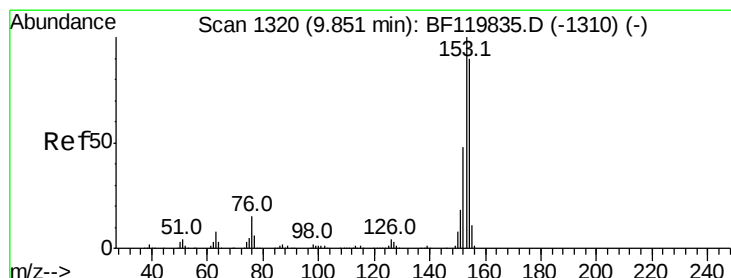
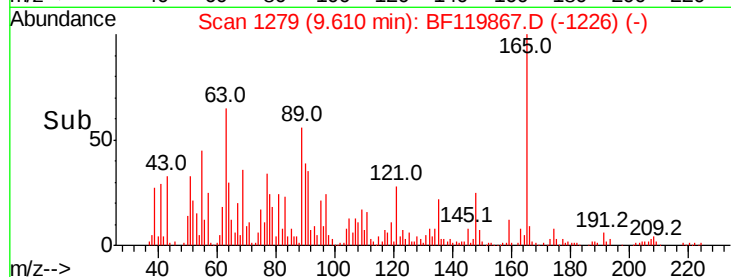
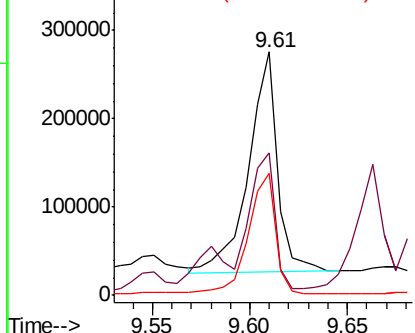
#51
2,6-Dinitrotoluene
Concen: 60.960 ng
RT: 9.61 min Scan# 1279
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:165 Resp: 253940
Ion Ratio Lower Upper
165 100
63 58.5 55.6 83.4
89 50.2 47.9 71.9

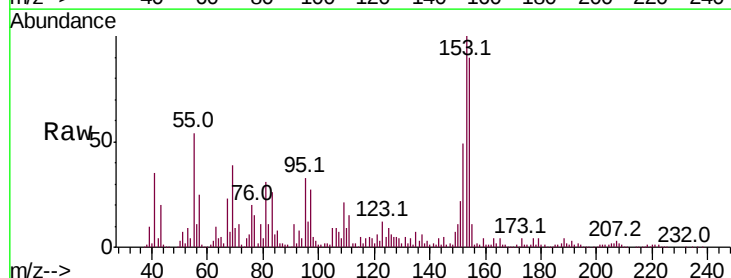


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

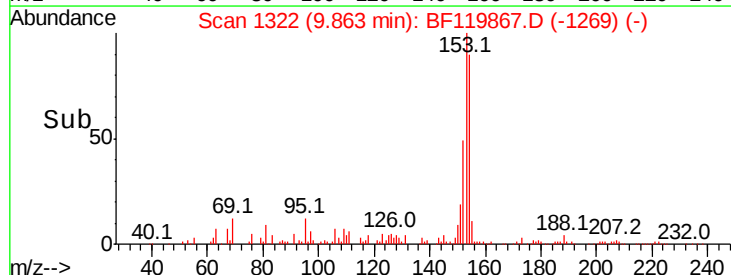
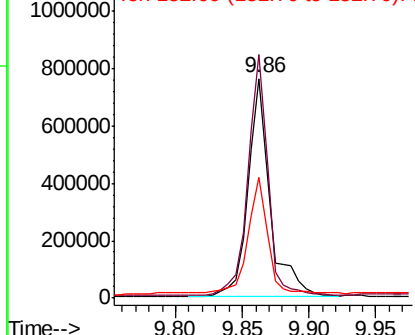


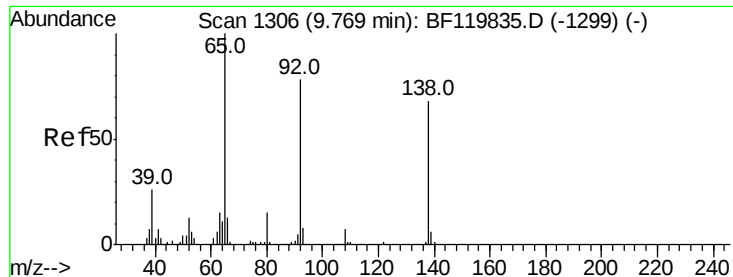
#52
Acenaphthene
Concen: 53.158 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:154 Resp: 862362
Ion Ratio Lower Upper
154 100
153 111.0 88.8 133.2
152 54.8 42.4 63.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

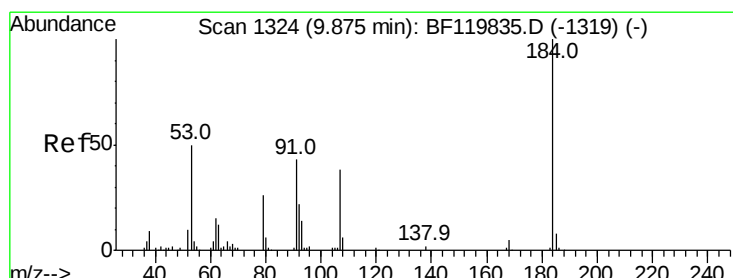
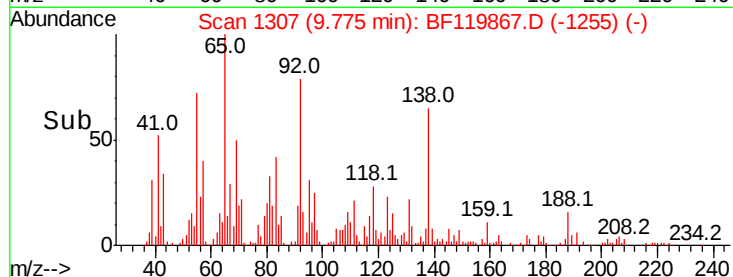
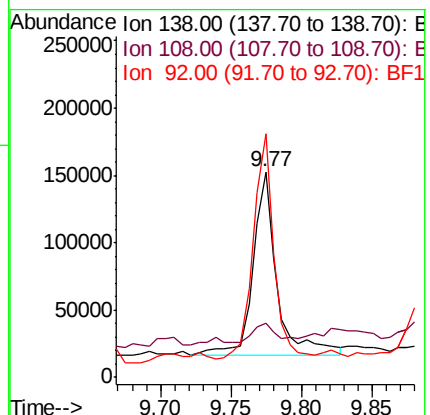
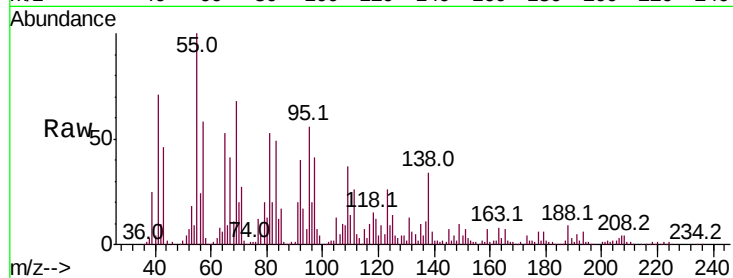




#53
3-Nitroaniline
Concen: 34.492 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

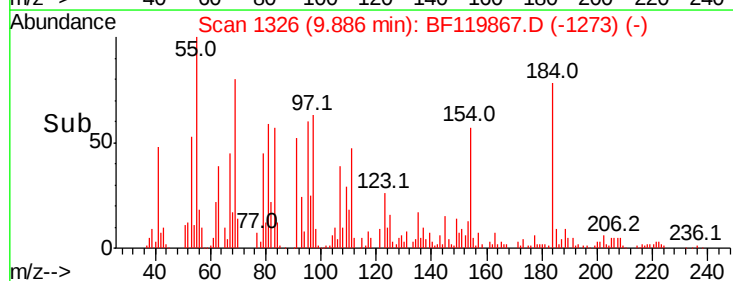
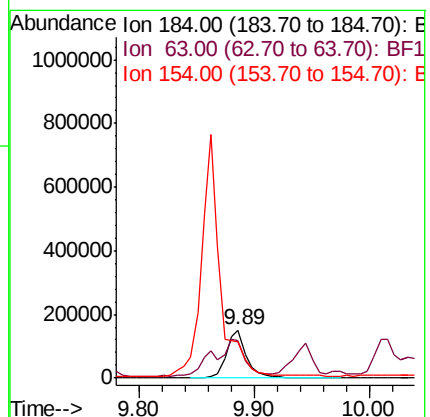
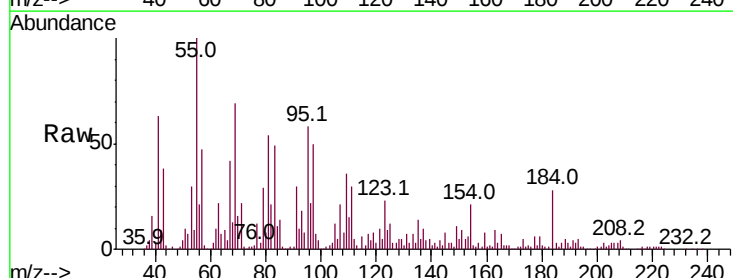
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

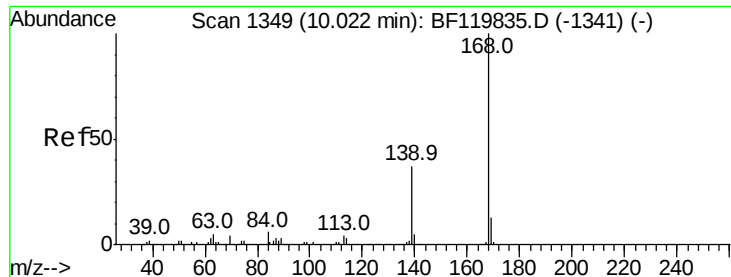
Tot Ion:138 Resp: 164097
Ion Ratio Lower Upper
138 100
108 26.5 8.0 12.0#
92 118.5 92.1 138.1



#54
2,4-Dinitrophenol
Concen: 73.571 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:184 Resp: 183486
Ion Ratio Lower Upper
184 100
63 78.3 49.8 74.6#
154 76.1 46.5 69.7#





#55

Dibenzofuran

Concen: 50.001 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

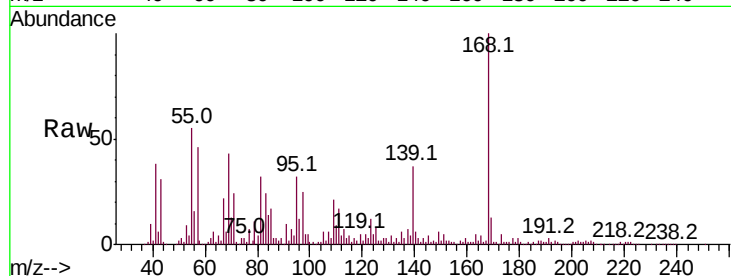
Tot Ion:168 Resp: 1113112

Ion Ratio Lower Upper

168 100

139 37.4 29.8 44.6

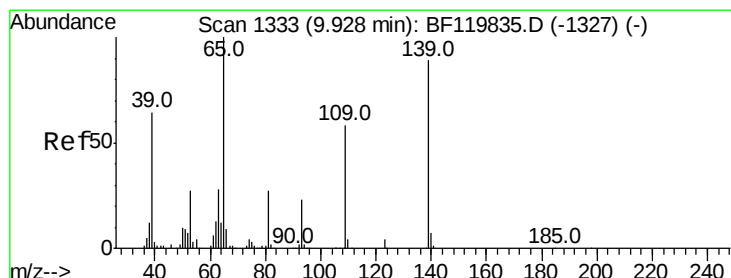
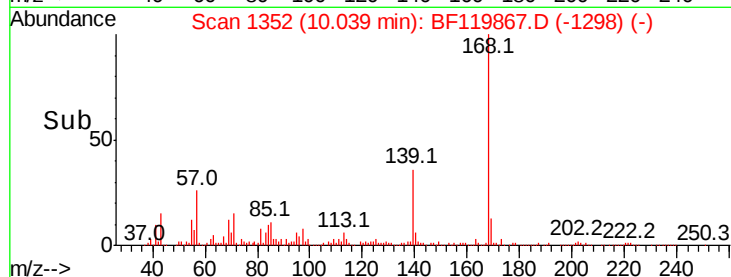
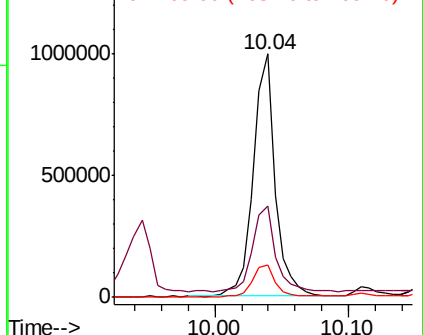
169 13.4 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 100.477 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

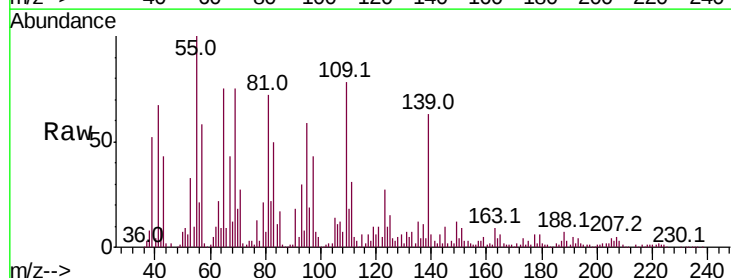
Tgt Ion:139 Resp: 355677

Ion Ratio Lower Upper

139 100

109 122.6 45.5 85.5#

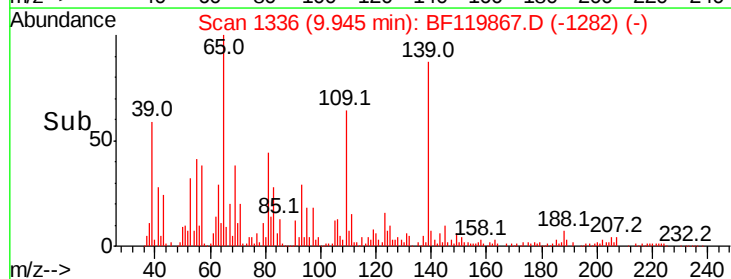
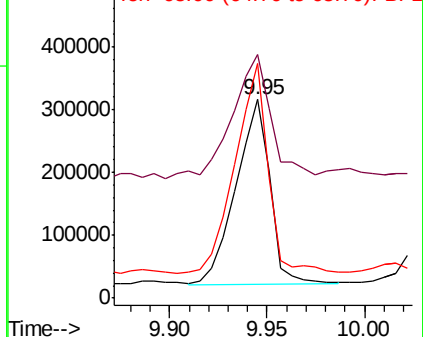
65 118.0 92.3 132.3

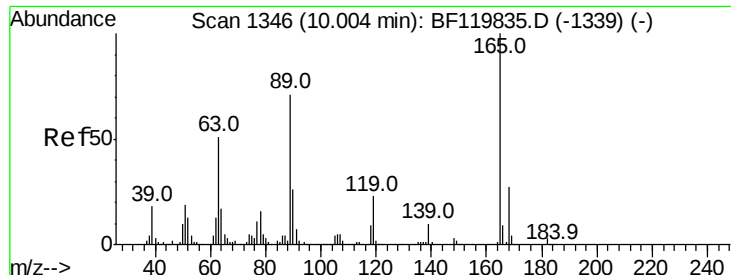


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

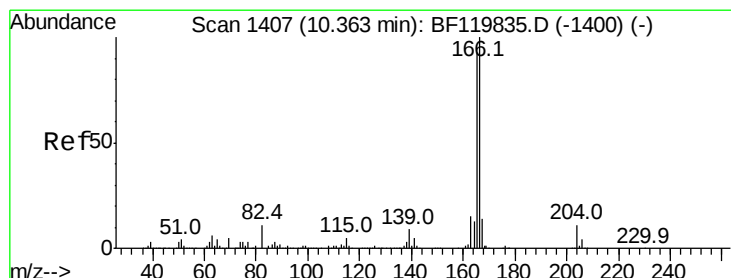
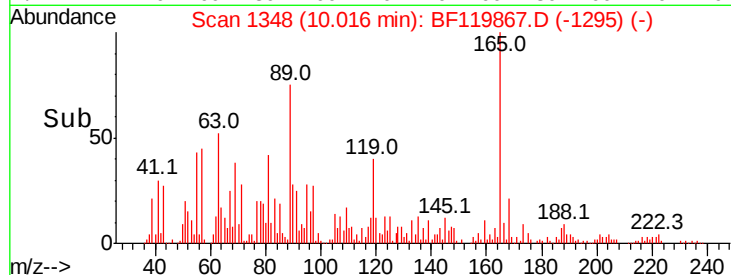
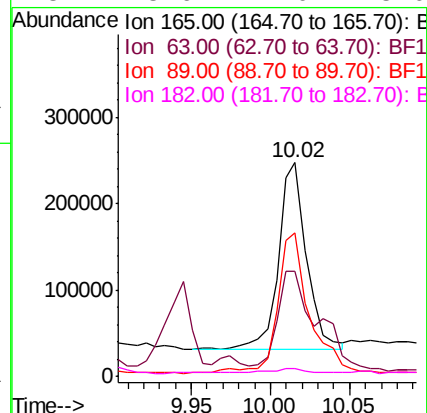
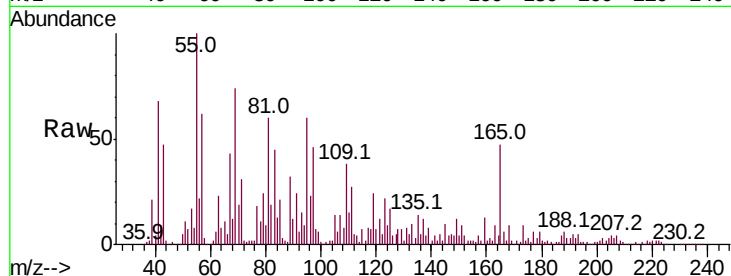




#57
 2,4-Dinitrotoluene
 Concen: 48.623 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

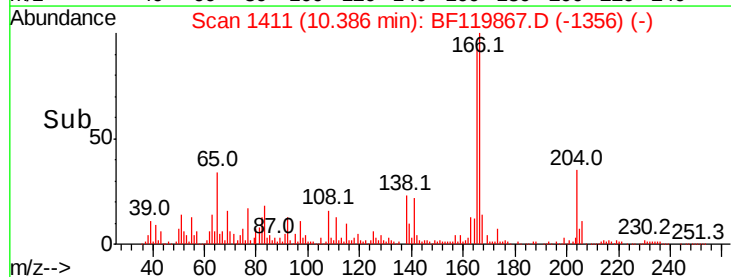
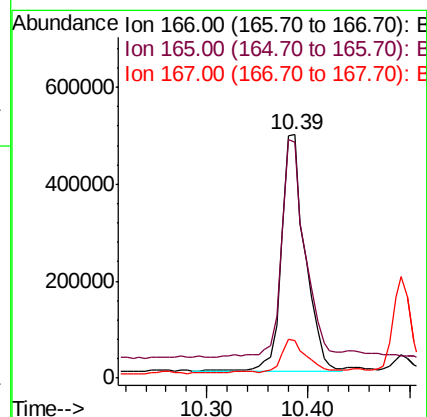
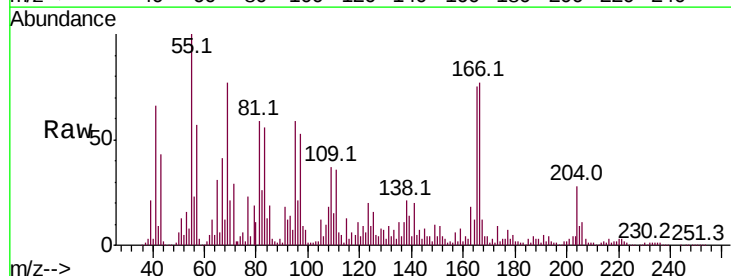
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

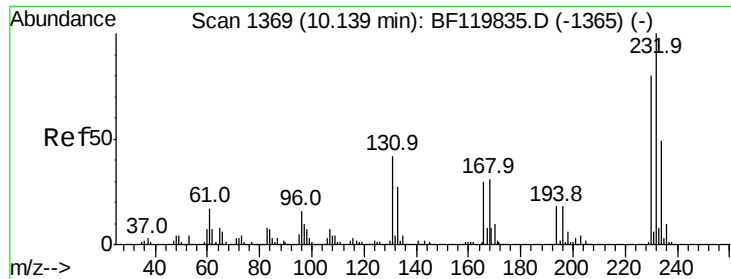
Tot Ion	Ratio	Lower	Upper
165	100		
63	49.4	40.8	61.2
89	67.2	56.9	85.3
182	3.6	2.0	3.0



#58
 Fluorene
 Concen: 44.282 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.02 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.1	74.2	111.2
167	15.4	10.8	16.2

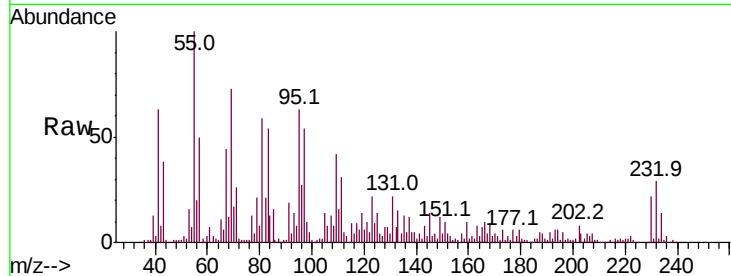




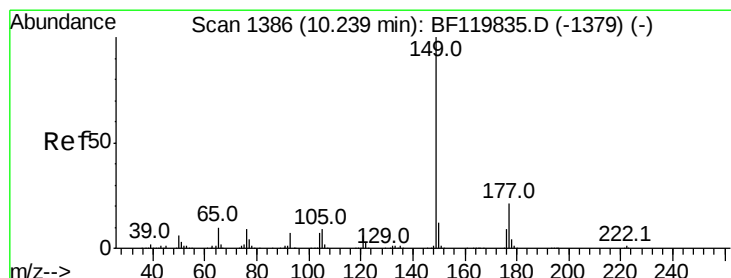
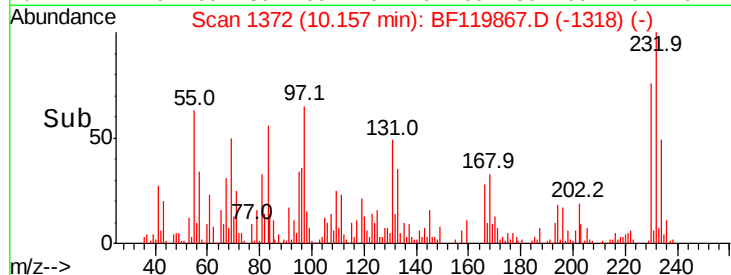
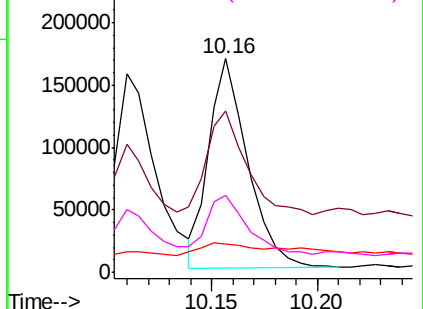
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.433 ng
RT: 10.16 min Scan# 1372
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:232 Resp: 214547
Ion Ratio Lower Upper
232 100
131 52.9 37.9 56.9
130 11.8 1.8 2.6#
166 30.0 25.4 38.0

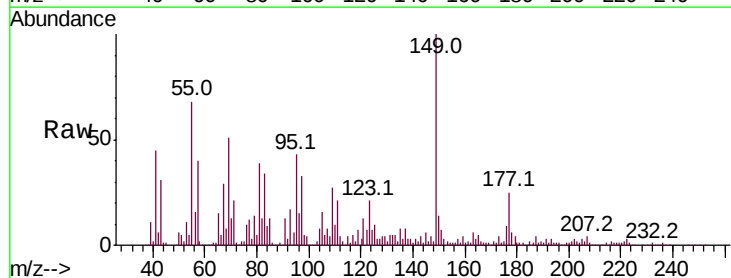


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

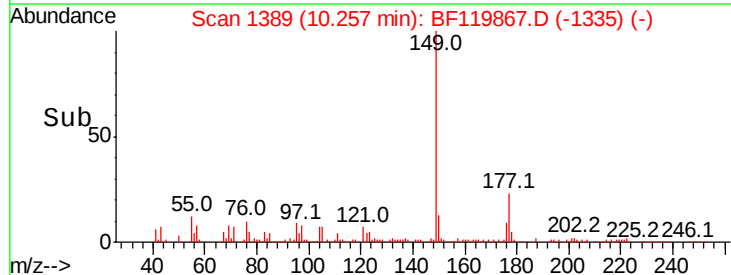
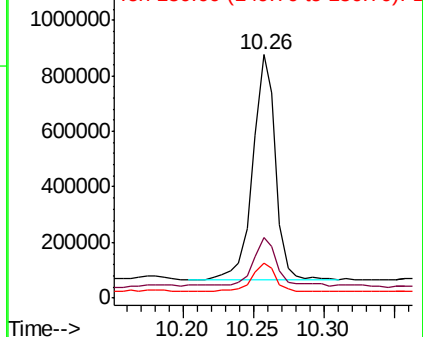


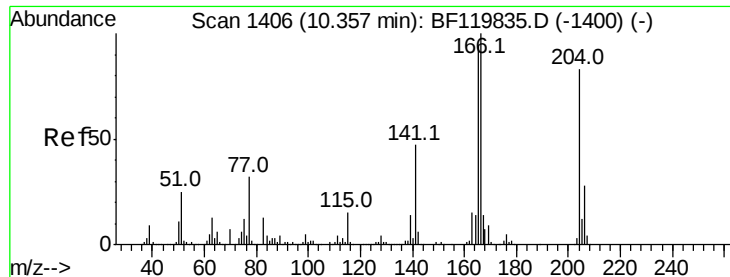
#60
Diethylphthalate
Concen: 46.586 ng
RT: 10.26 min Scan# 1389
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:149 Resp: 918489
Ion Ratio Lower Upper
149 100
177 24.7 16.8 25.2
150 14.3 9.8 14.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

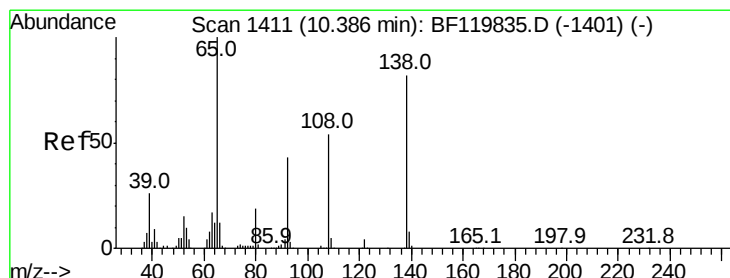
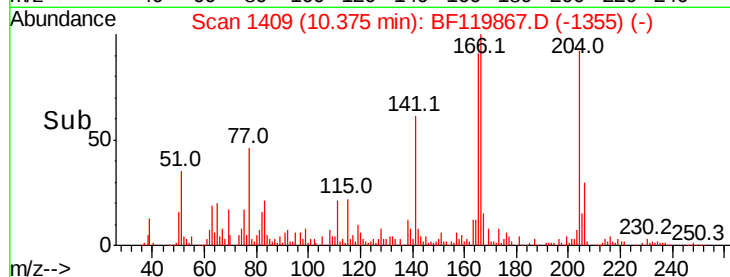
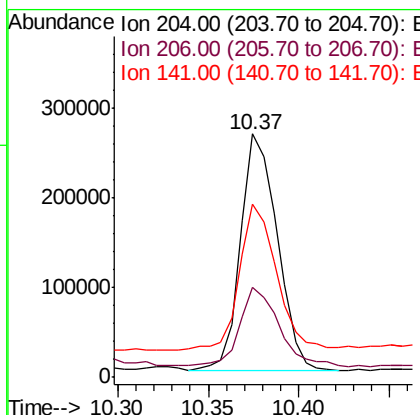
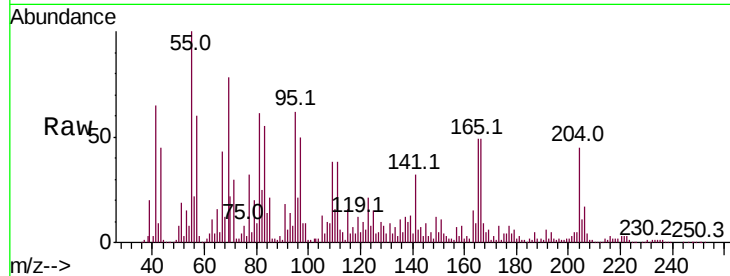




#61
 4-Chlorophenyl-phenylether
 Concen: 40.680 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. 0.02 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

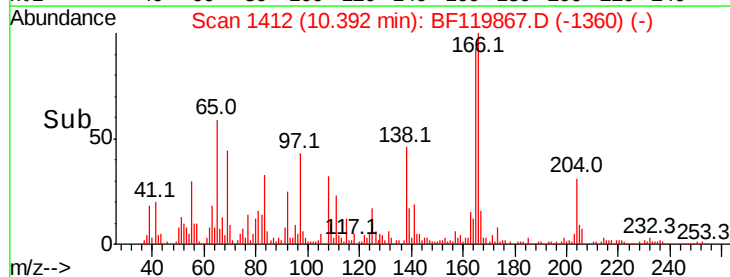
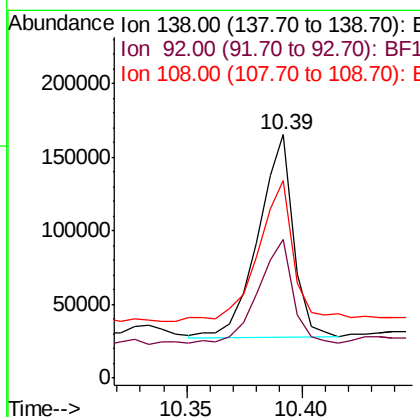
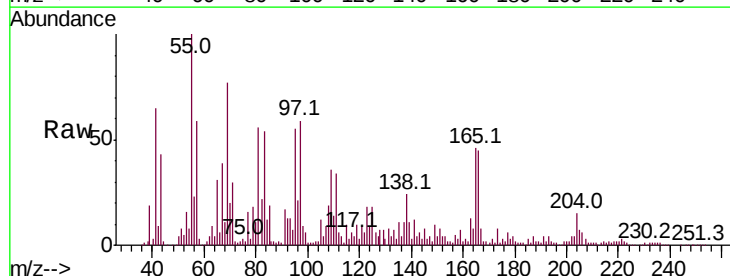
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

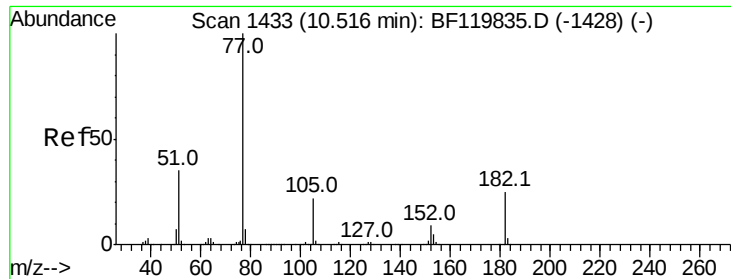
Tot Ion:204 Resp: 371207
 Ion Ratio Lower Upper
 204 100
 206 37.1 26.7 40.1
 141 71.3 45.8 68.8#



#62
 4-Nitroaniline
 Concen: 31.956 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.01 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion:138 Resp: 144891
 Ion Ratio Lower Upper
 138 100
 92 56.8 31.6 71.6
 108 81.3 45.2 85.2





#63

Azobenzene

Concen: 46.630 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

Tot Ion: 77 Resp: 823913

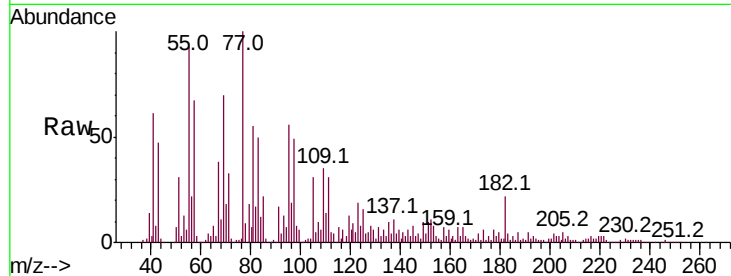
Ion Ratio Lower Upper

77 100

182 21.6 4.5 44.5

105 31.4 2.2 42.2

51 31.5 15.1 55.1

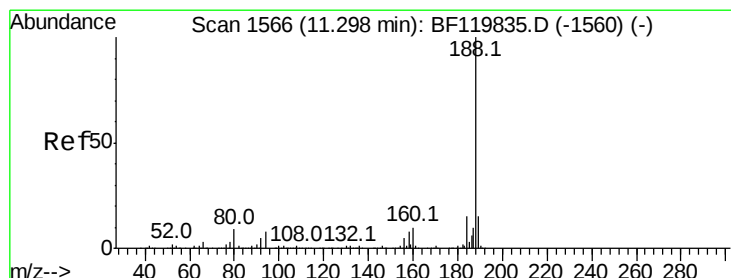
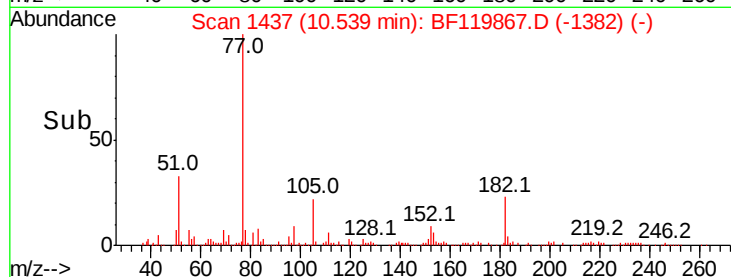
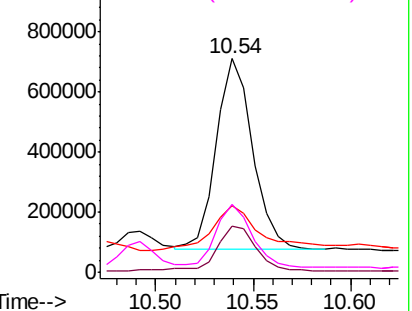


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.04 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

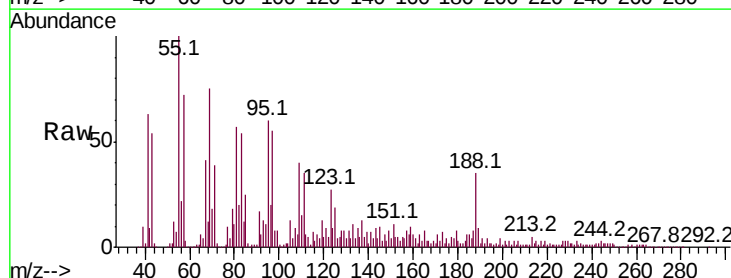
Tgt Ion: 188 Resp: 334327

Ion Ratio Lower Upper

188 100

94 30.5 6.7 10.1#

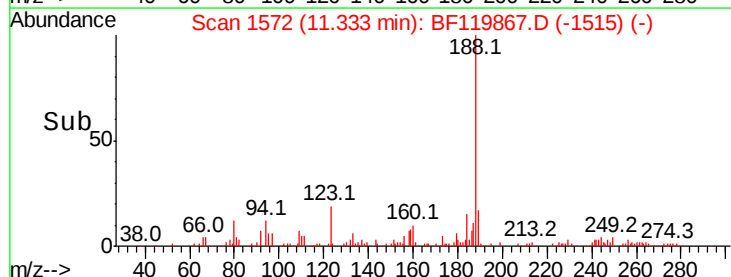
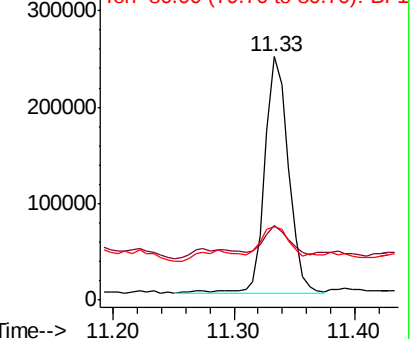
80 30.4 7.4 11.2#

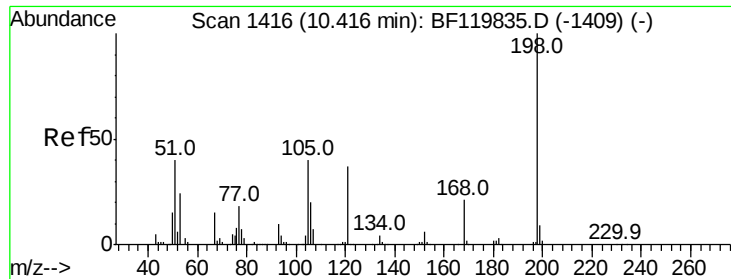


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

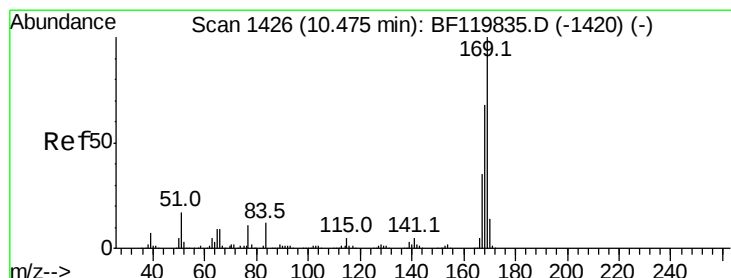
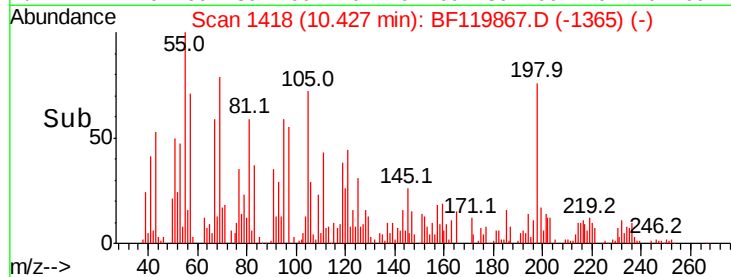
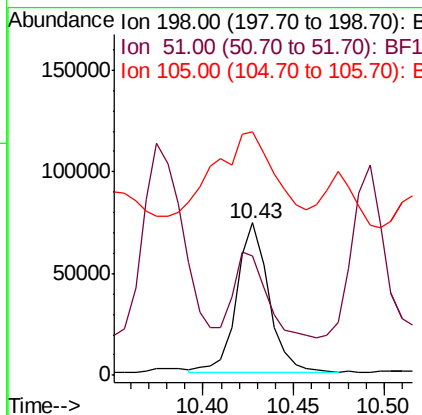
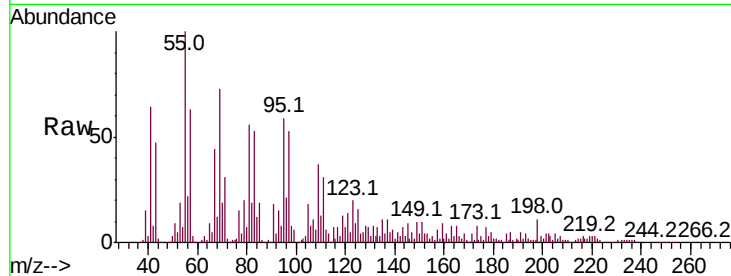




#65
4,6-Dinitro-2-methylphenol
Concen: 41.204 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

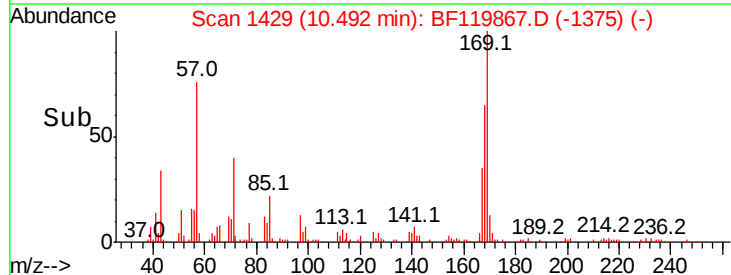
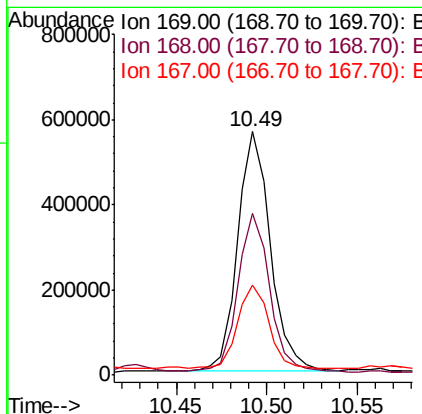
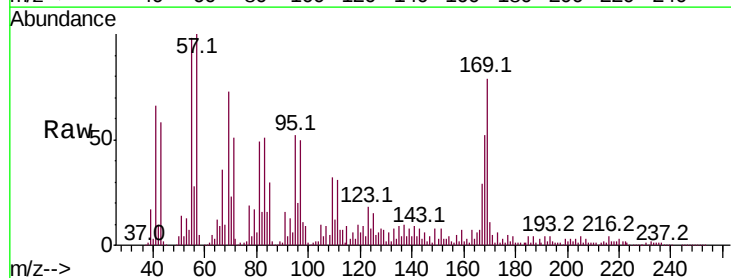
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

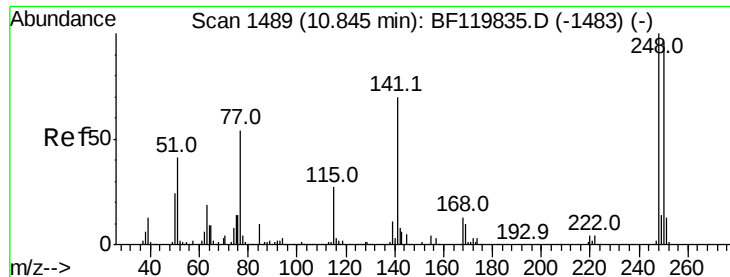
Tot Ion:198 Resp: 90755
Ion Ratio Lower Upper
198 100
51 78.7 25.2 65.2#
105 160.0 20.8 60.8#



#66
n-Nitrosodiphenylamine
Concen: 63.837 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:169 Resp: 709792
Ion Ratio Lower Upper
169 100
168 66.5 54.2 81.4
167 36.8 28.3 42.5

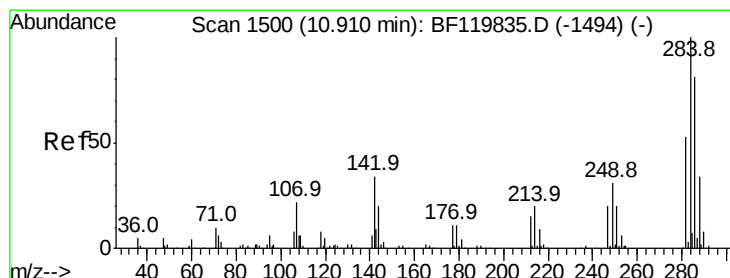
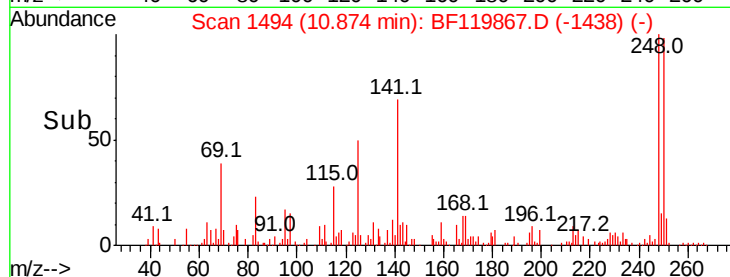
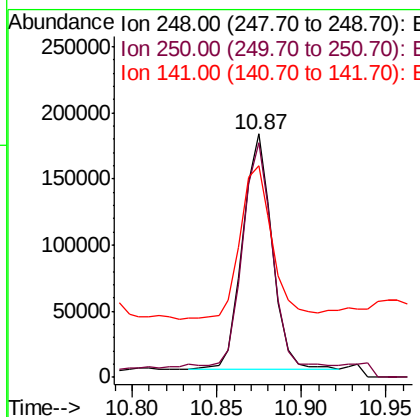
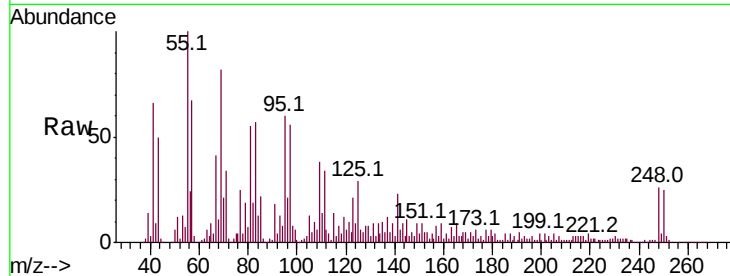




#67
4-Bromophenyl-phenylether
Concen: 51.311 ng
RT: 10.87 min Scan# 1494
Delta R.T. 0.03 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

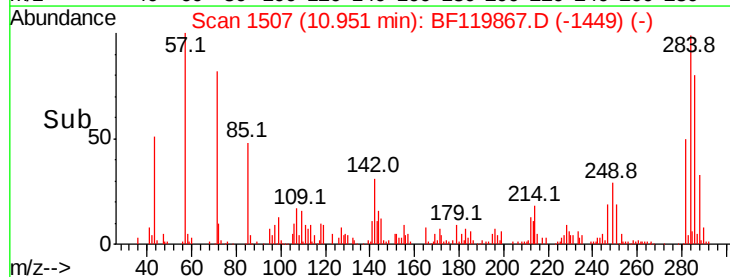
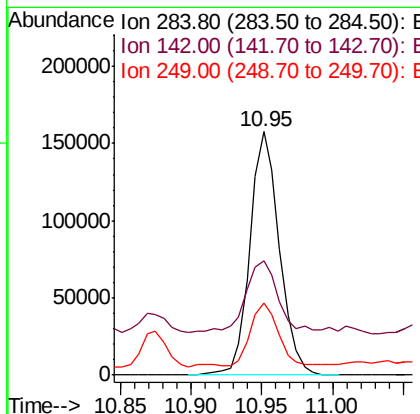
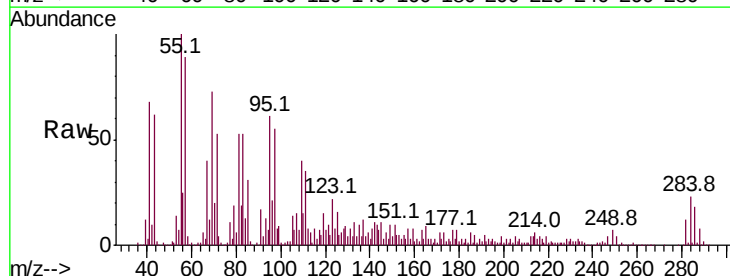
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

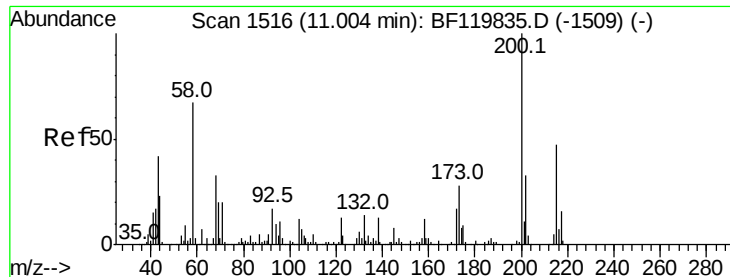
Tot Ion:248 Resp: 213334
Ion Ratio Lower Upper
248 100
250 96.5 76.6 114.8
141 87.1 55.9 83.9#



#68
Hexachlorobenzene
Concen: 54.830 ng
RT: 10.95 min Scan# 1507
Delta R.T. 0.04 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:284 Resp: 231264
Ion Ratio Lower Upper
284 100
142 46.9 26.9 40.3#
249 29.6 24.6 37.0

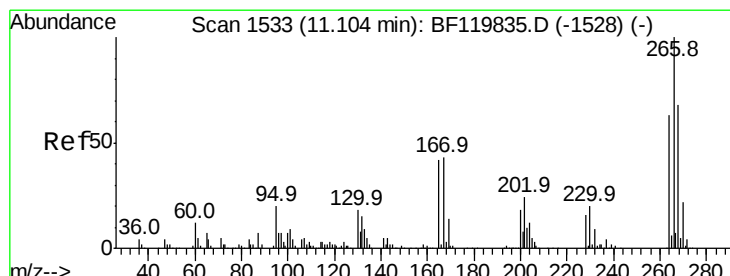
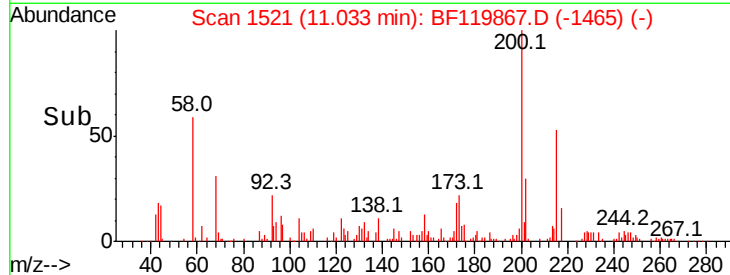
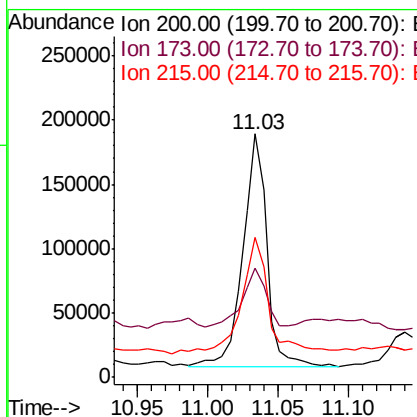
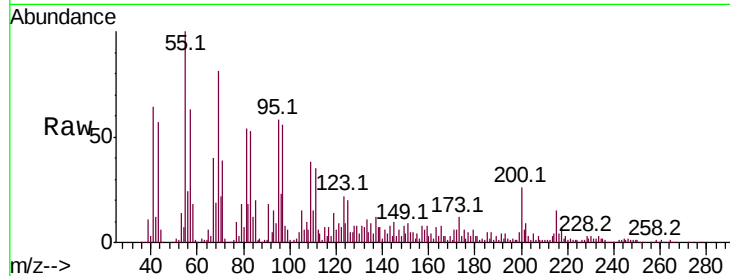




#69
 Atrazine
 Concen: 69.179 ng
 RT: 11.03 min Scan# 1521
 Delta R.T. 0.03 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

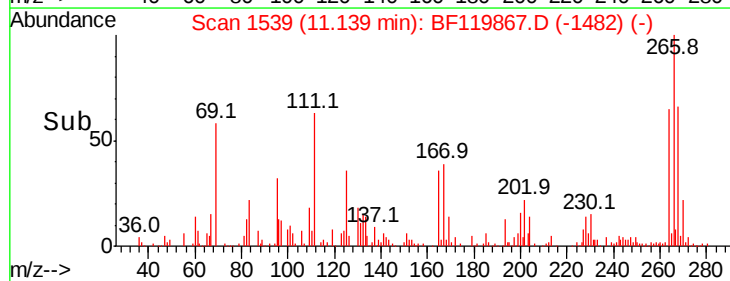
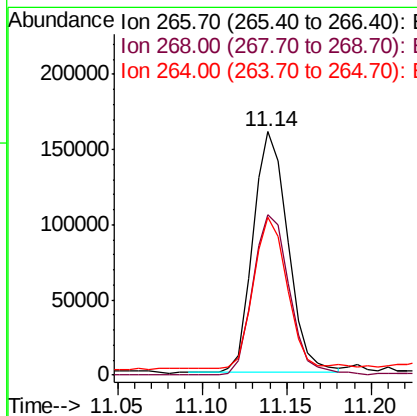
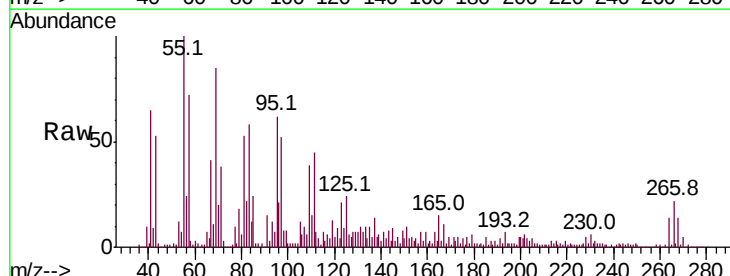
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

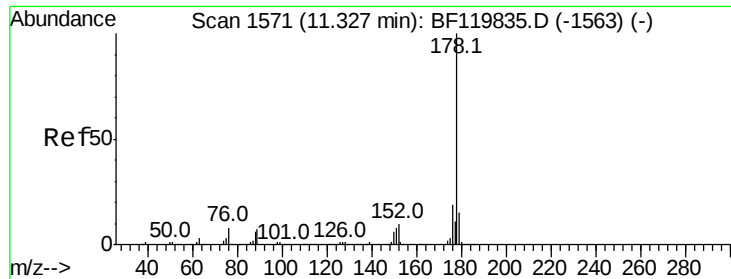
Tot Ion:	200	Resp:	214012
Ion	Ratio	Lower	Upper
200	100		
173	44.7	8.0	48.0
215	57.5	27.1	67.1



#70
 Pentachlorophenol
 Concen: 95.364 ng
 RT: 11.14 min Scan# 1539
 Delta R.T. 0.04 min
 Lab File: BF119867.D
 Acq: 9 Apr 2020 11:16

Tgt Ion:	266	Resp:	231794
Ion	Ratio	Lower	Upper
266	100		
268	65.9	54.2	81.4
264	64.8	50.6	76.0





#71

Phenanthrene

Concen: 51.347 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.04 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

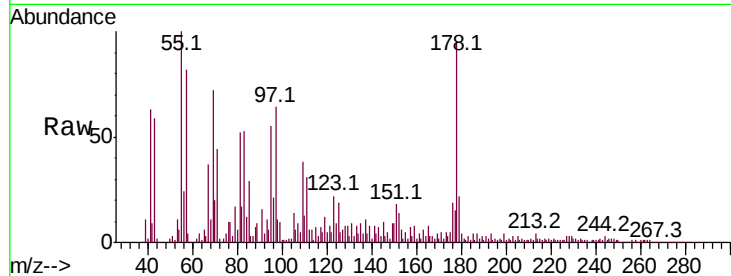
Tot Ion:178 Resp: 913625

Ion Ratio Lower Upper

178 100

176 20.3 15.1 22.7

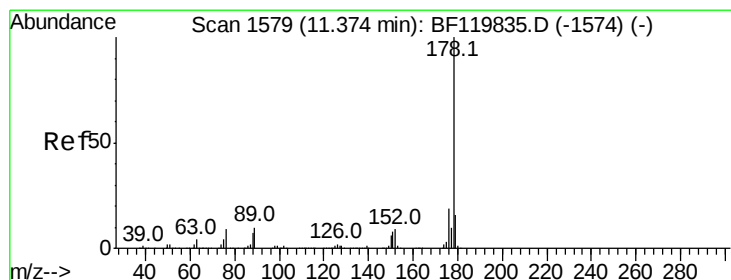
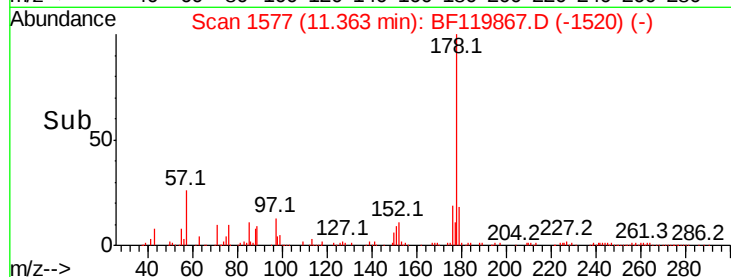
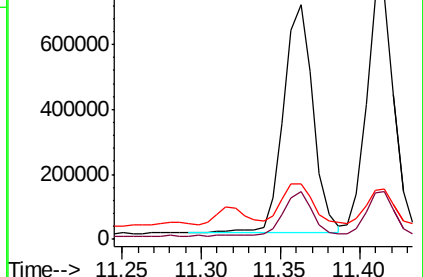
179 23.4 12.2 18.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 50.485 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.04 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

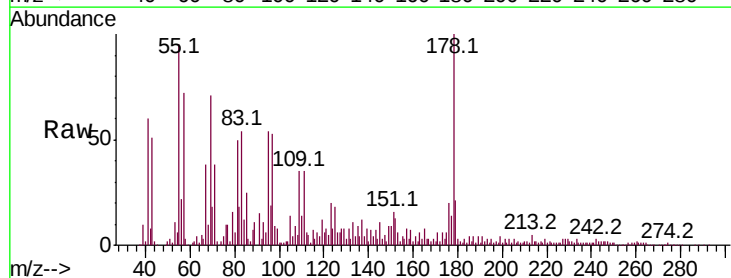
Tgt Ion:178 Resp: 917651

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

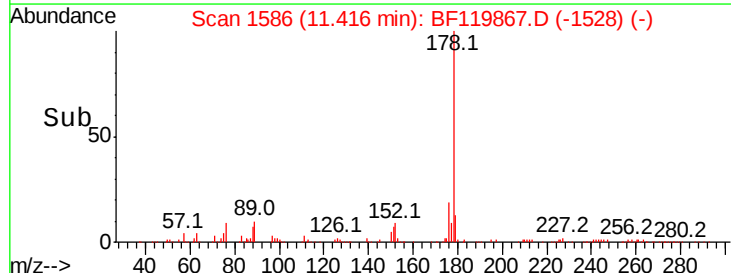
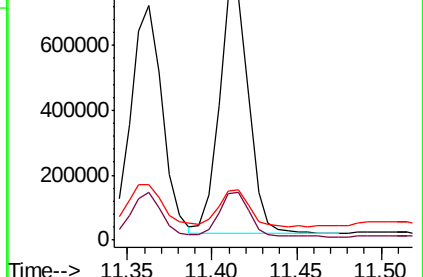
179 20.6 12.8 19.2#

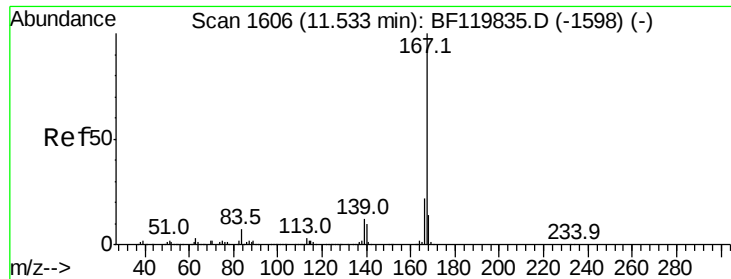


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 50.176 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.03 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

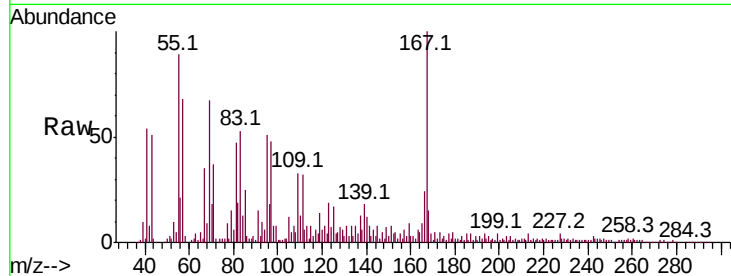
Tot Ion:167 Resp: 862492

Ion Ratio Lower Upper

167 100

166 24.4 17.4 26.0

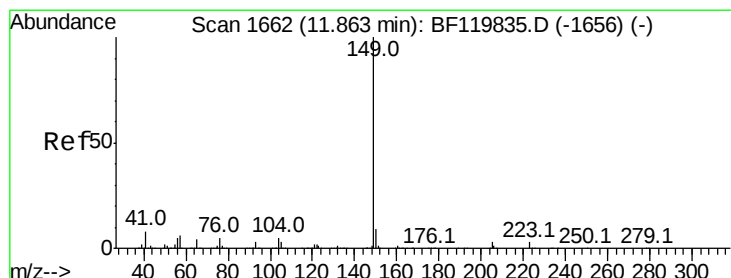
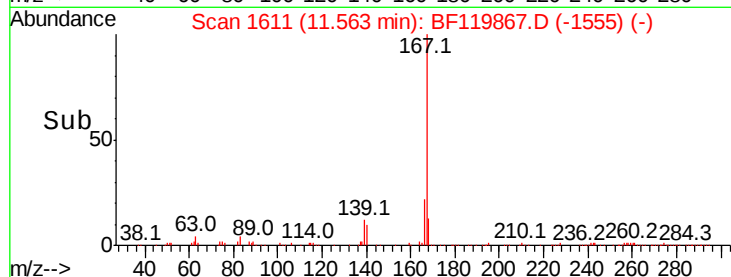
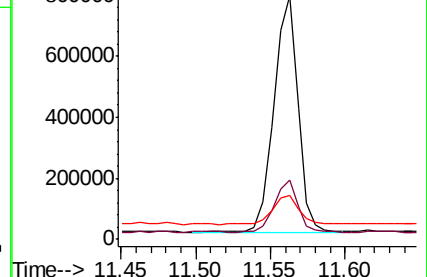
139 18.1 9.8 14.8#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 51.080 ng

RT: 11.90 min Scan# 1668

Delta R.T. 0.04 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

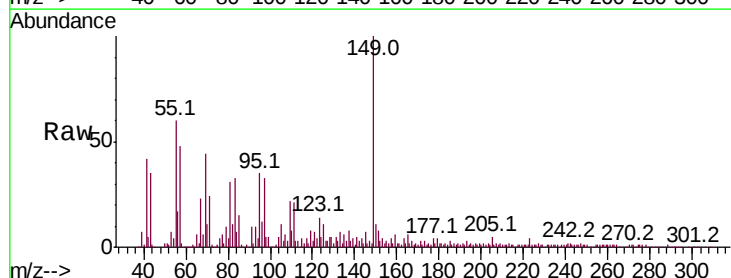
Tgt Ion:149 Resp: 1154252

Ion Ratio Lower Upper

149 100

150 10.8 7.6 11.4

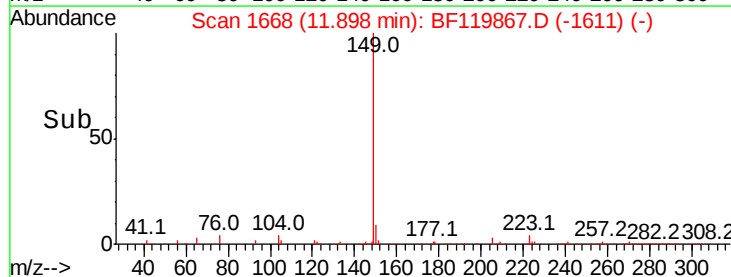
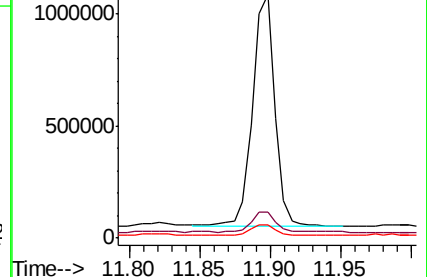
104 5.4 3.8 5.6

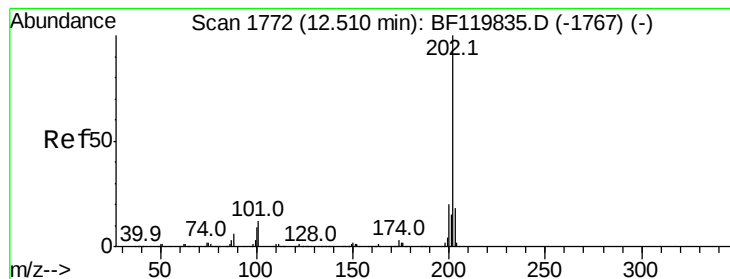


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 50.440 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.04 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

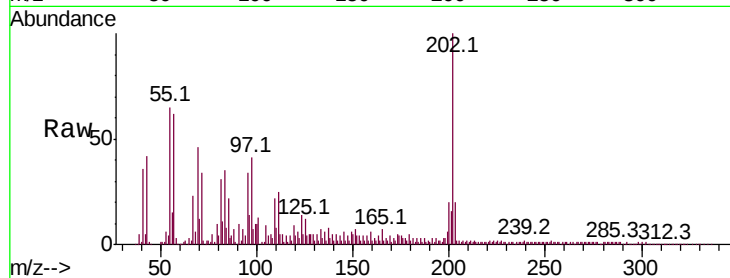
Tot Ion:202 Resp: 968371

Ion Ratio Lower Upper

202 100

101 13.2 0.0 32.3

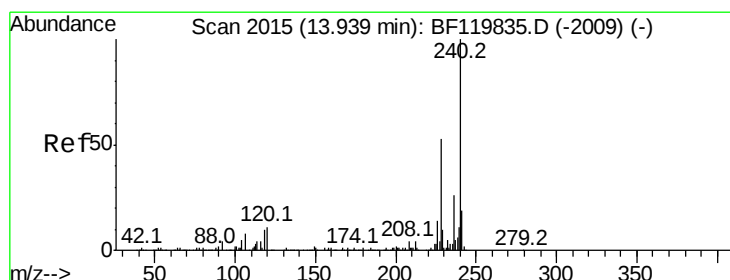
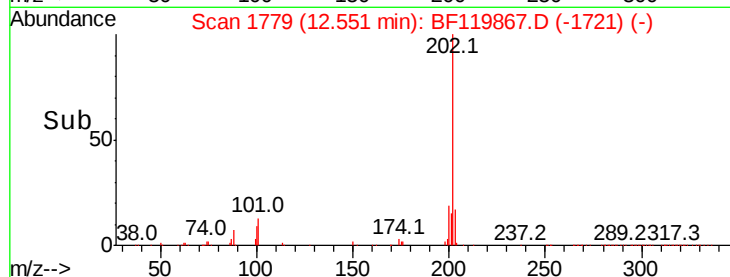
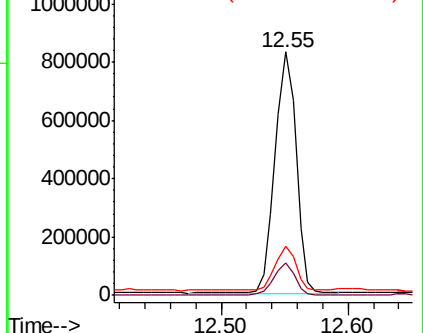
203 20.0 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

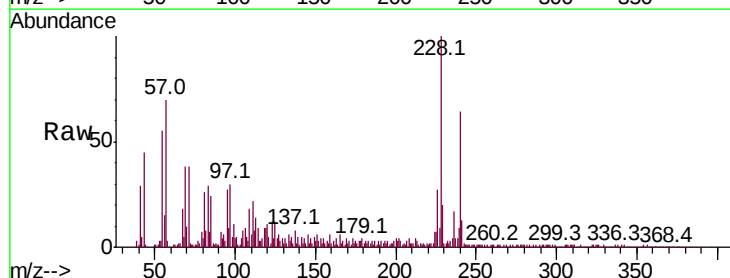
Tgt Ion:240 Resp: 270864

Ion Ratio Lower Upper

240 100

120 17.9 9.0 13.6#

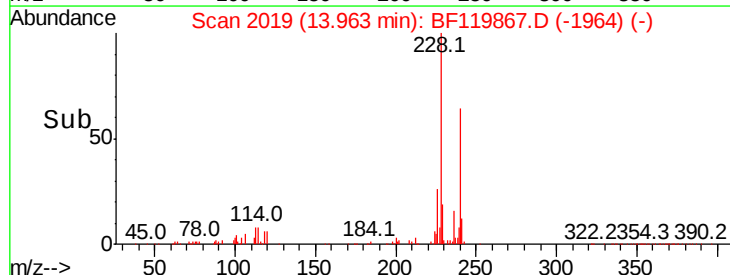
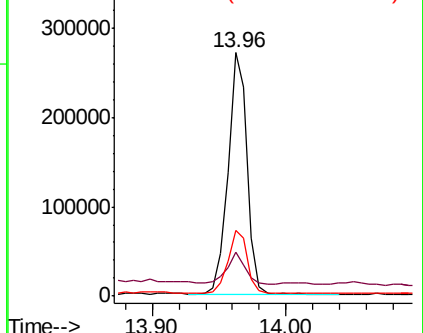
236 27.0 20.7 31.1

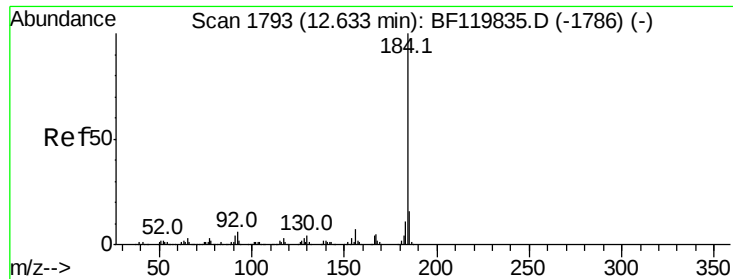


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 12.973 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.03 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

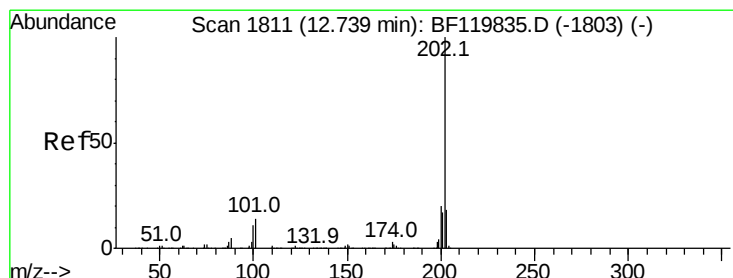
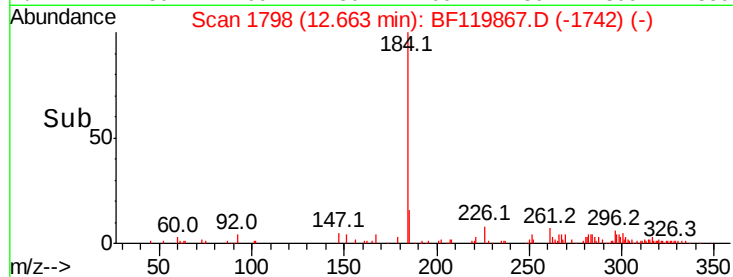
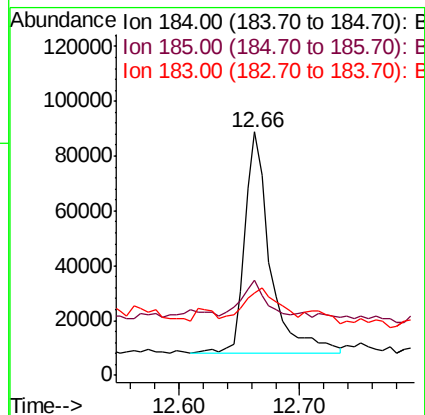
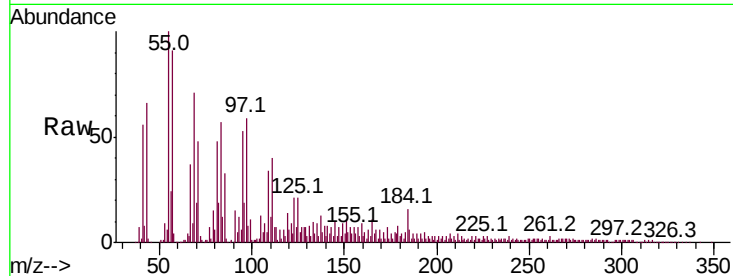
Tot Ion:184 Resp: 118785

Ion Ratio Lower Upper

184 100

185 39.0 13.2 19.8#

183 33.8 9.1 13.7#



#78

Pyrene

Concen: 42.919 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.04 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

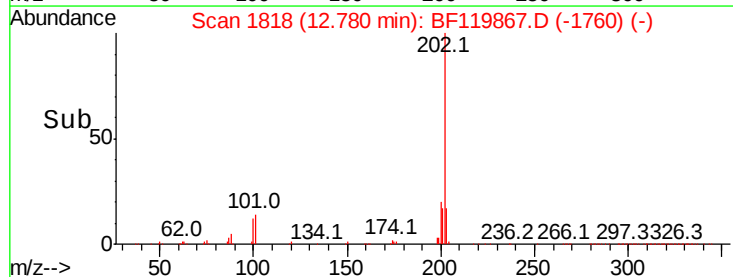
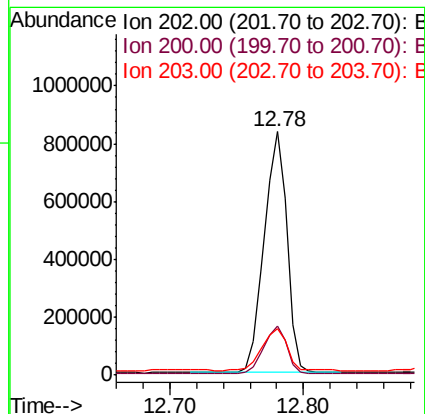
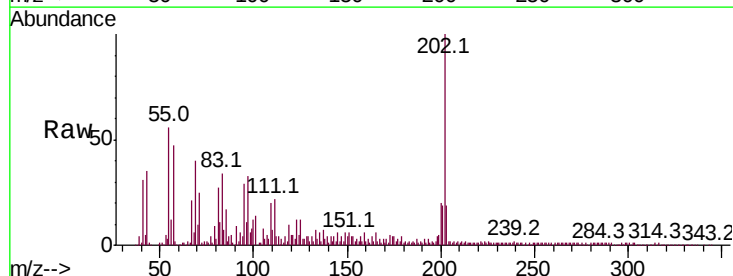
Tgt Ion:202 Resp: 980024

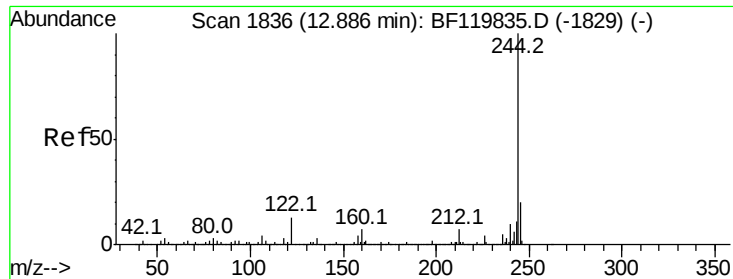
Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 19.0 14.1 21.1





#79

Terphenyl-d14

Concen: 92.371 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.04 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

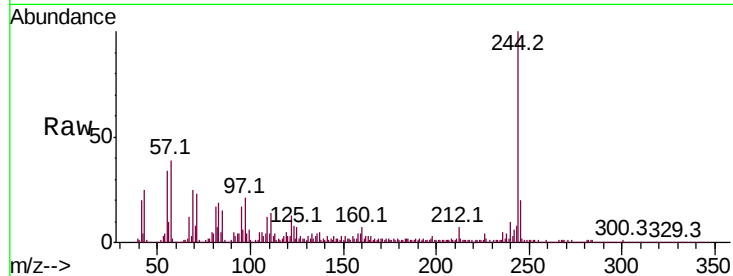
Tot Ion:244 Resp: 1486933

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

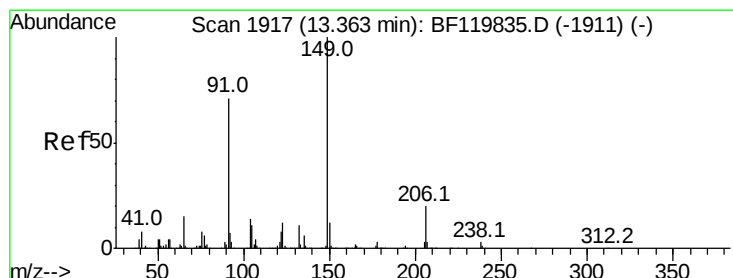
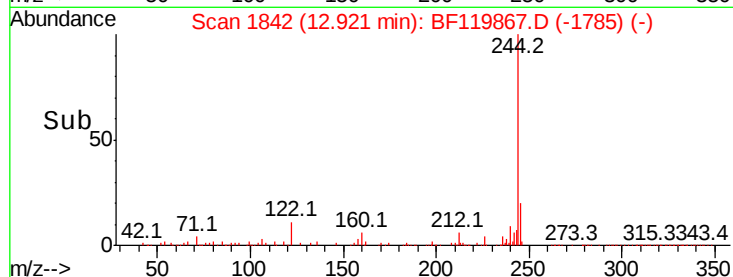
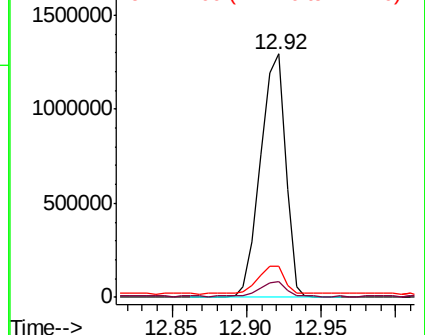
122 12.6 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 44.297 ng

RT: 13.39 min Scan# 1921

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

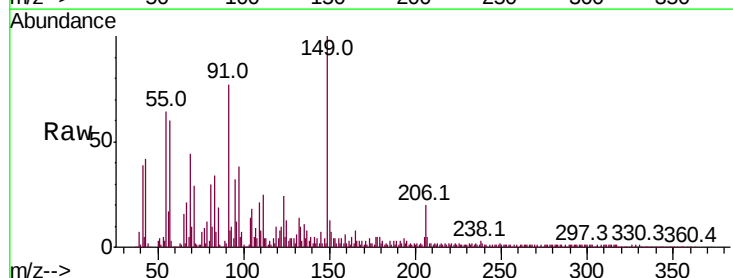
Tgt Ion:149 Resp: 490810

Ion Ratio Lower Upper

149 100

91 77.3 56.7 85.1

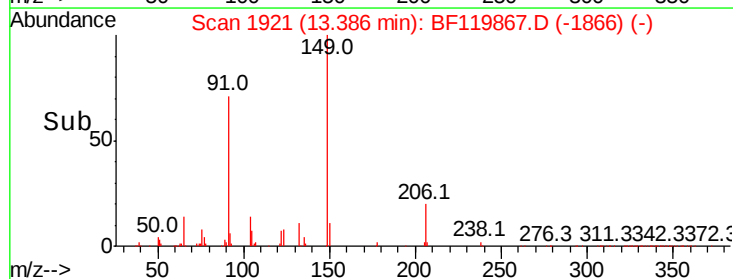
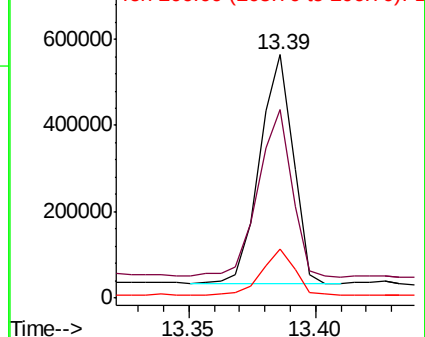
206 20.0 15.7 23.5

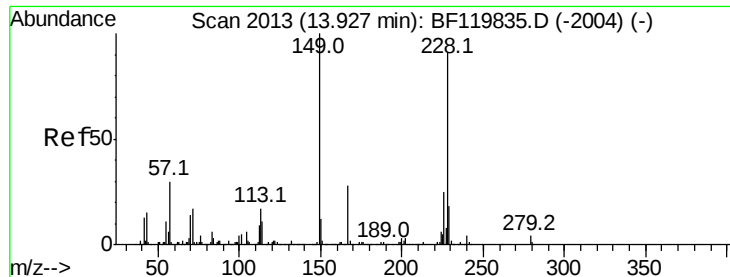


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

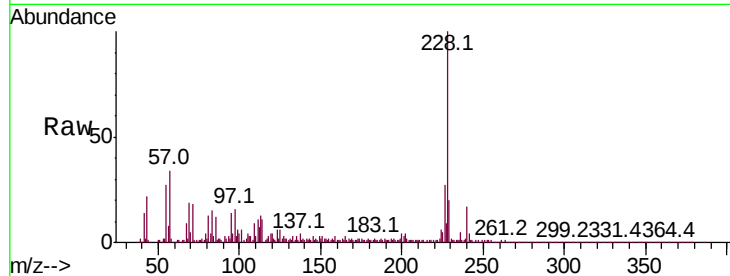




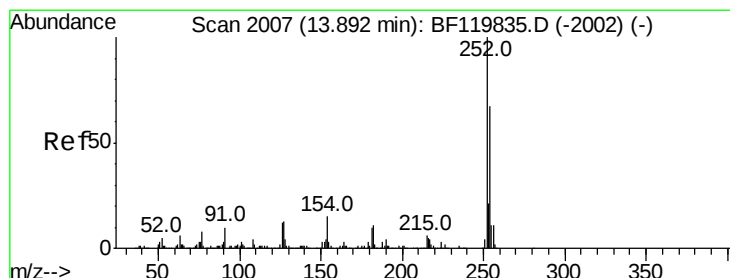
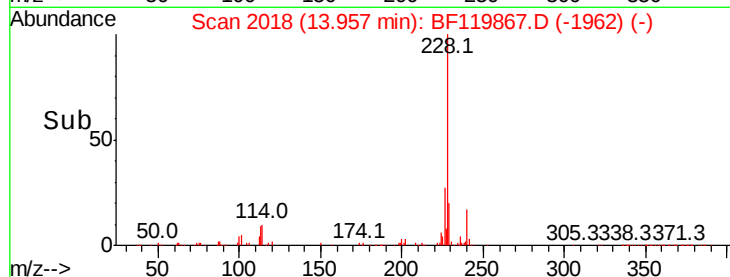
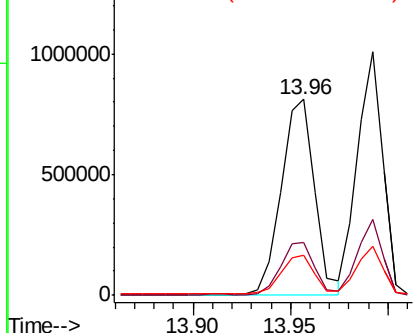
#81
Benzo(a)anthracene
Concen: 53.538 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.03 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:228 Resp: 953994
Ion Ratio Lower Upper
228 100
226 27.2 21.9 32.9
229 20.4 15.9 23.9

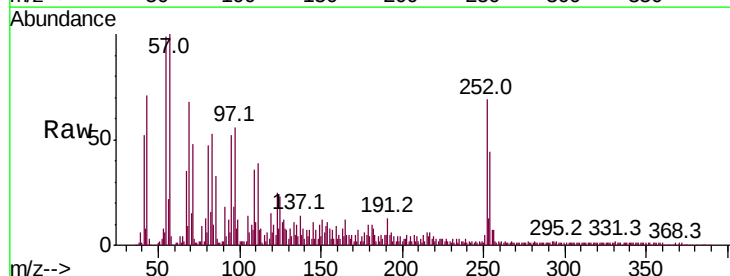


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

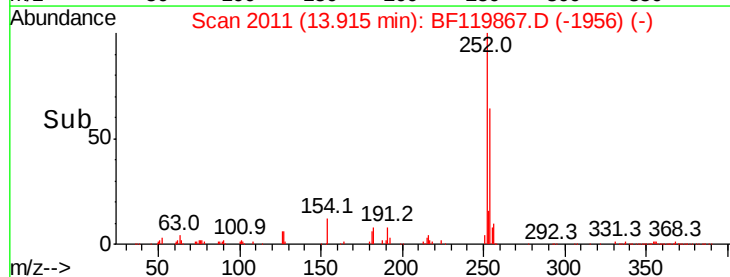
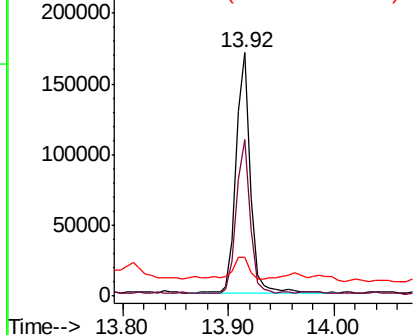


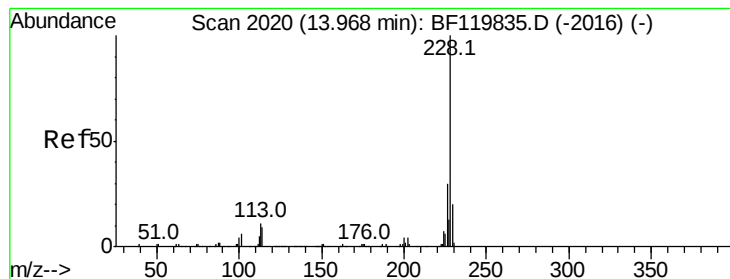
#82
3,3'-Dichlorobenzidine
Concen: 23.625 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:252 Resp: 157074
Ion Ratio Lower Upper
252 100
254 64.3 53.9 80.9
126 15.8 9.7 14.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 50.330 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

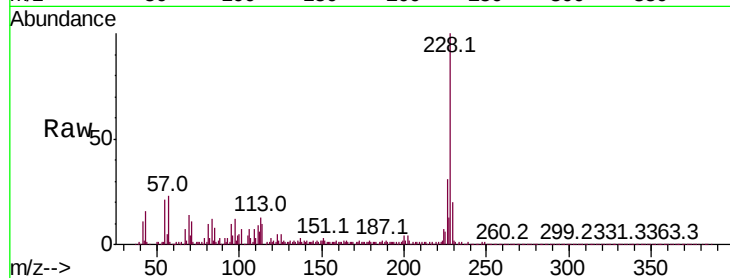
Tot Ion:228 Resp: 911268

Ion Ratio Lower Upper

228 100

226 31.1 24.2 36.2

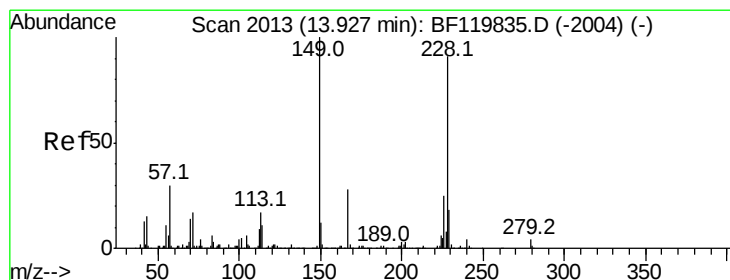
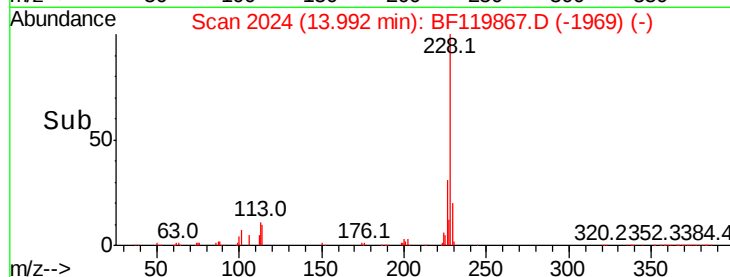
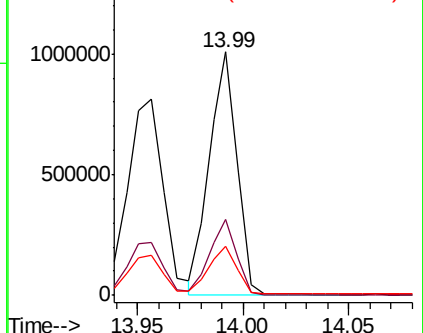
229 20.4 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.760 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.01 min

Lab File: BF119867.D

Acq: 9 Apr 2020 11:16

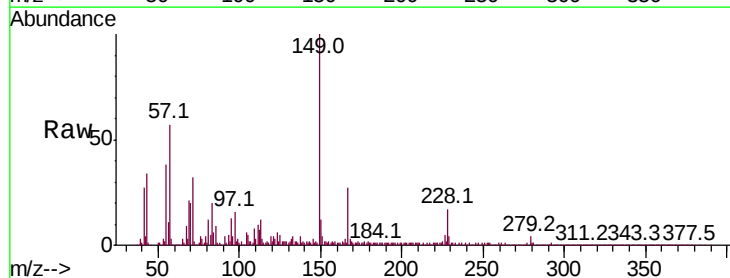
Tgt Ion:149 Resp: 746623

Ion Ratio Lower Upper

149 100

167 26.6 22.2 33.2

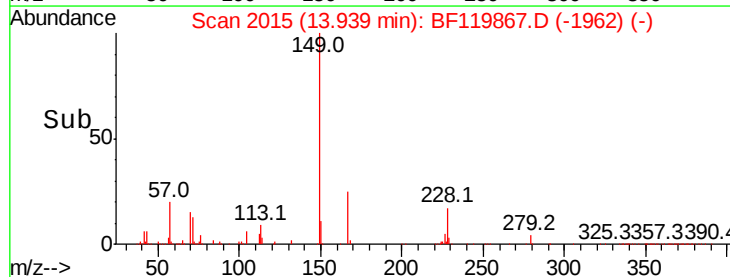
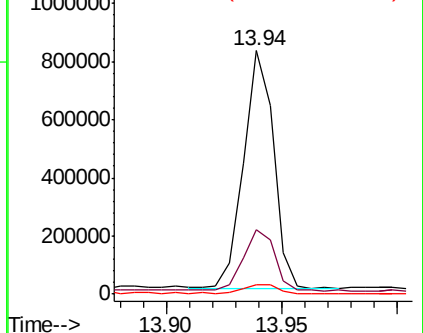
279 4.0 3.4 5.0

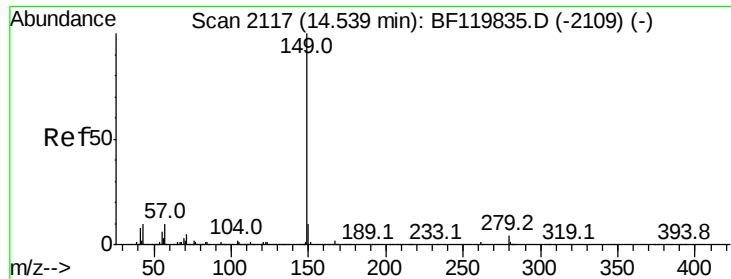


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

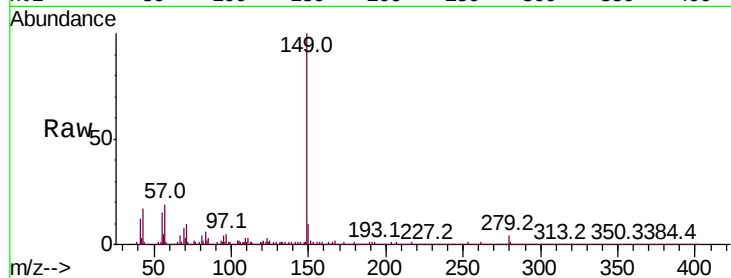




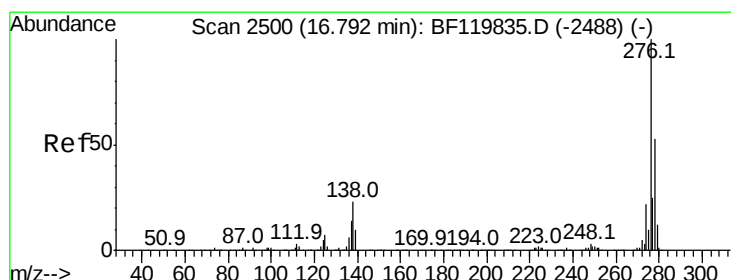
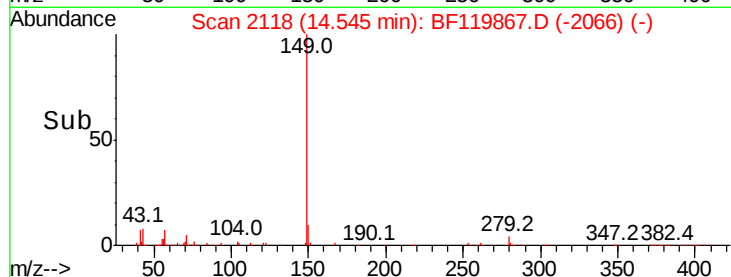
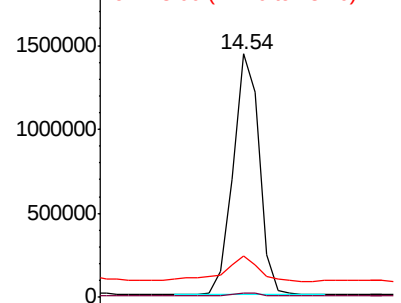
#85
Di-n-octyl phthalate
Concen: 51.942 ng
RT: 14.54 min Scan# 2118
Delta R.T. 0.01 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:149 Resp: 1327017
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 14.8 9.2 13.8#

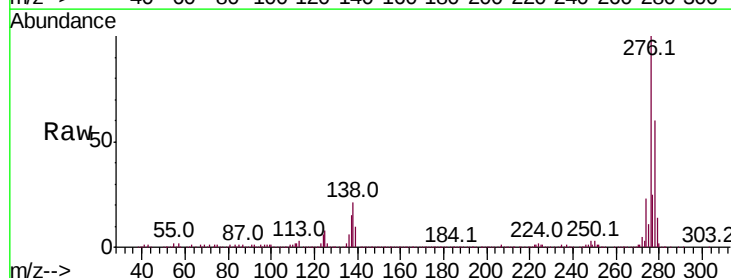


Abundance Ion 149.00 (148.70 to 149.70): E
2000000 Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

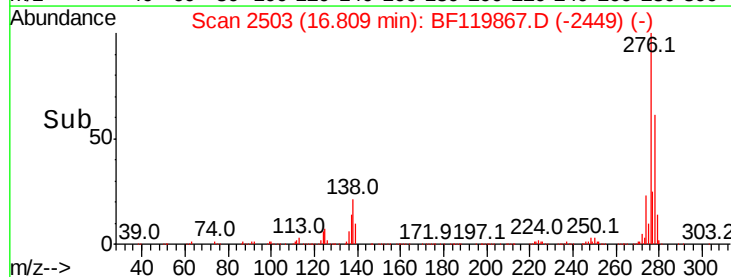
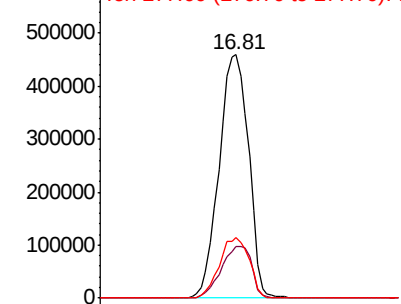


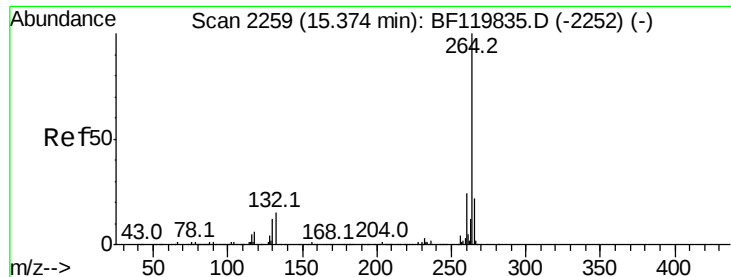
#86
Indeno(1,2,3-cd)pyrene
Concen: 79.073 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:276 Resp: 1262009
Ion Ratio Lower Upper
276 100
138 21.6 18.0 27.0
277 25.4 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
600000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



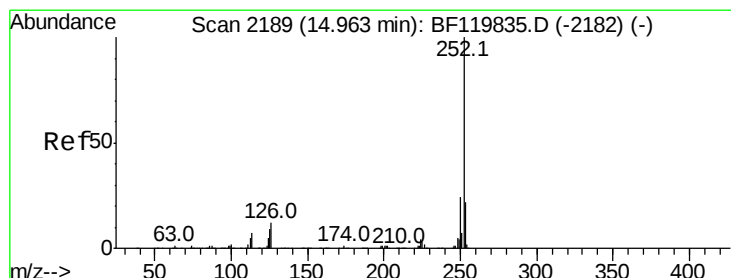
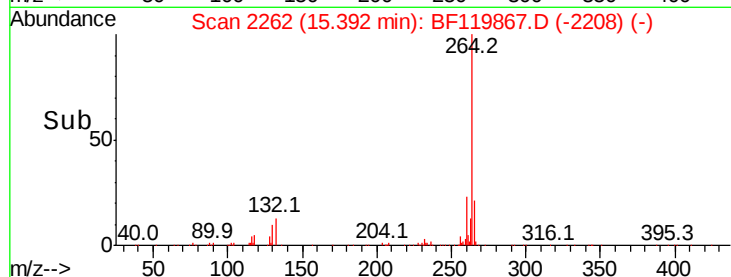
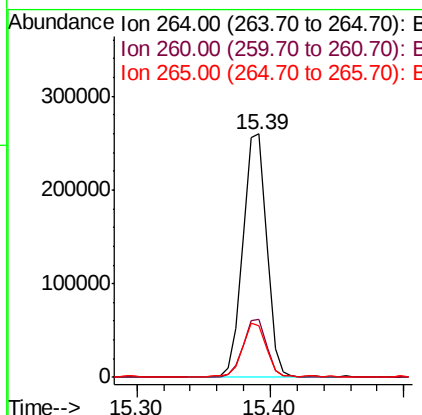
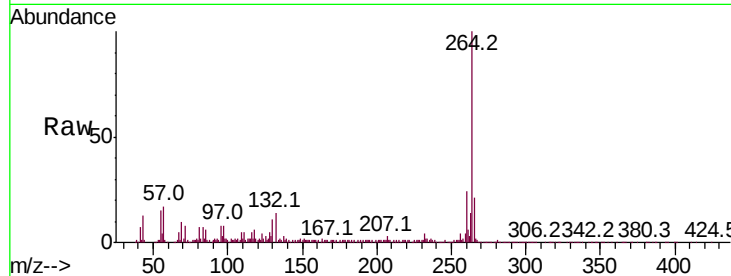


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:264 Resp: 318462

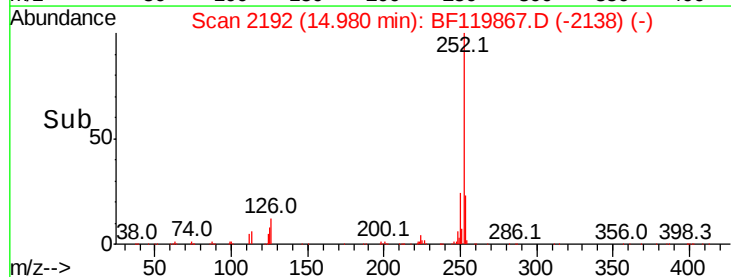
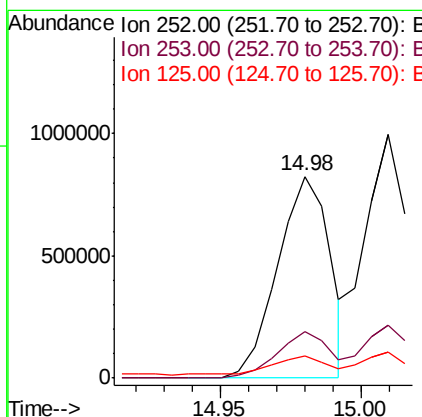
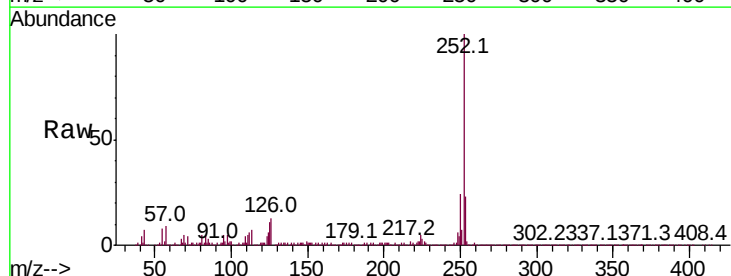
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	21.3	17.6	26.4

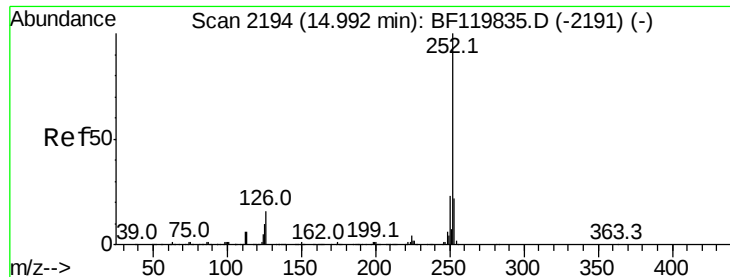


#88
Benzo(b)fluoranthene
Concen: 46.384 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:252 Resp: 1062621

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.1	7.4	11.2

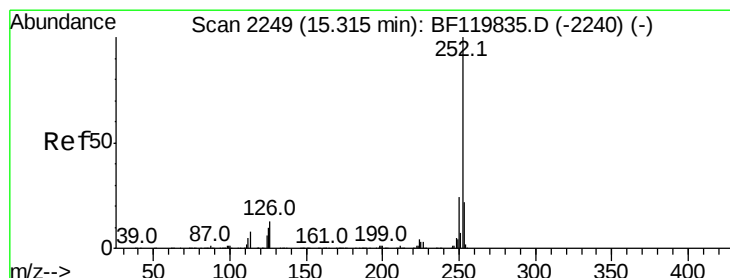
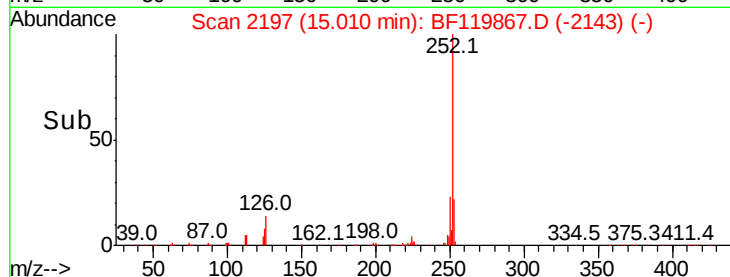
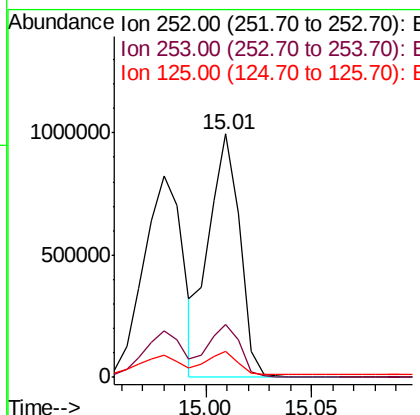
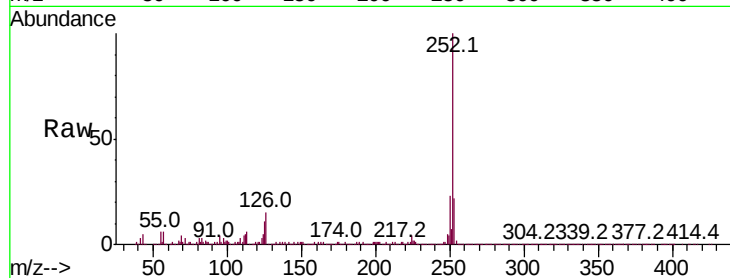




#89
Benzo(k)fluoranthene
Concen: 51.445 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

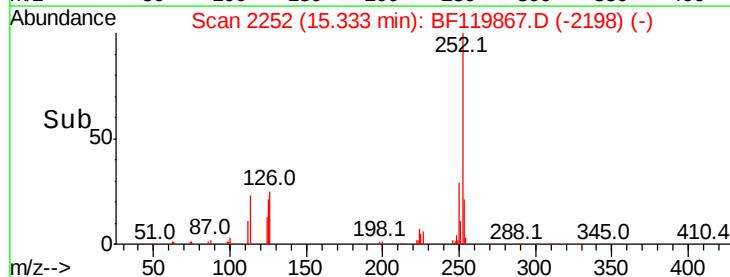
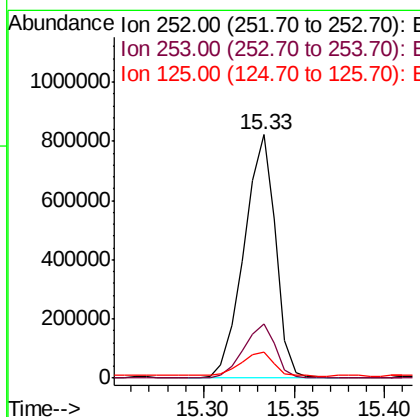
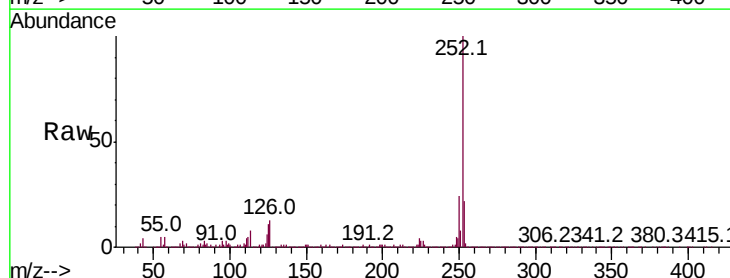
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

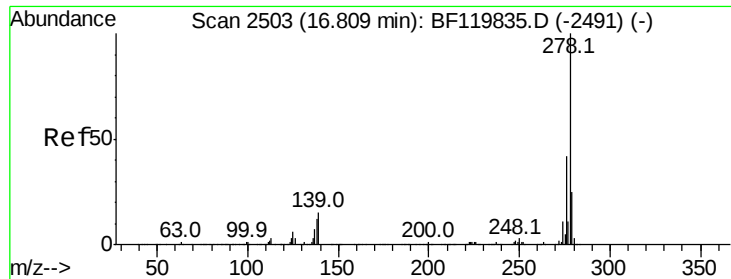
Tot Ion:252 Resp: 1016888
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 10.8 7.7 11.5



#90
Benzo(a)pyrene
Concen: 51.402 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:252 Resp: 990106
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 10.7 8.3 12.5

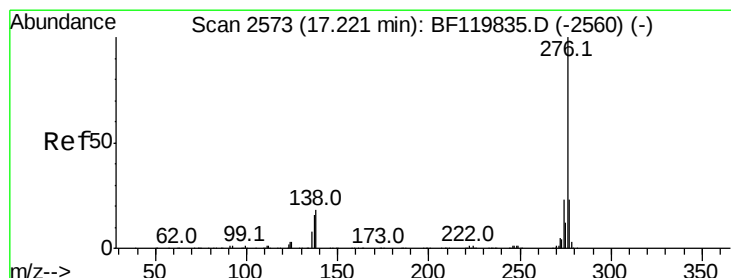
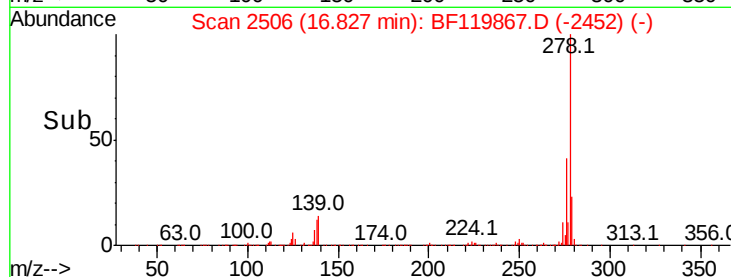
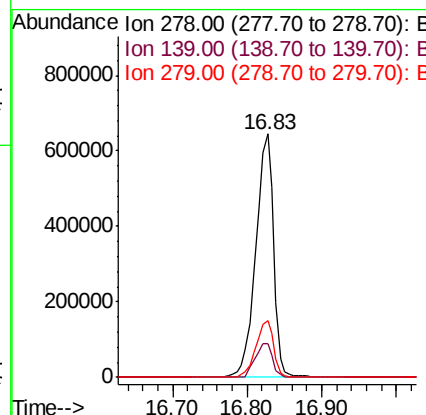
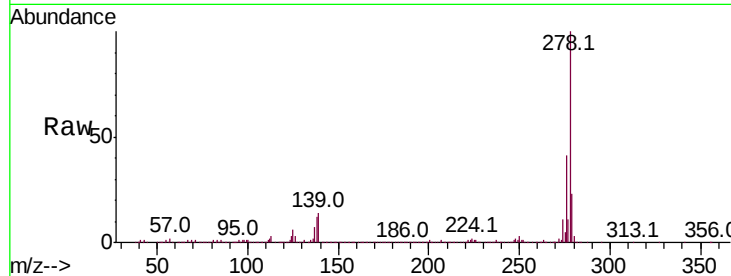




#91
Dibenzo(a,h)anthracene
Concen: 62.966 ng
RT: 16.83 min Scan# 2506
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:278 Resp: 1074350
Ion Ratio Lower Upper
278 100
139 14.0 11.6 17.4
279 23.4 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 63.957 ng
RT: 17.24 min Scan# 2576
Delta R.T. 0.02 min
Lab File: BF119867.D
Acq: 9 Apr 2020 11:16

Tgt Ion:276 Resp: 1077175
Ion Ratio Lower Upper
276 100
277 23.3 18.5 27.7
138 18.4 14.6 22.0

