

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
 Data File : BF119081.D
 Acq On : 25 Feb 2020 23:13
 Operator : CG/JU
 Sample : L1669-03MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

Quant Time: Feb 26 01:29:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	158997	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	586628	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	211862	20.00	ng	0.02
64) Phenanthrene-d10	11.31	188	260543	20.00	ng	0.04
76) Chrysene-d12	13.93	240	270555	20.00	ng	0.02
87) Perylene-d12	15.34	264	320093	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1041649	109.49	ng	0.00
7) Phenol-d6	6.40	99	1264439	109.28	ng	0.00
23) Nitrobenzene-d5	7.32	82	834222	75.08	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	340562	122.88	ng	0.03
45) 2-Fluorobiphenyl	9.12	172	1427200	99.24	ng	0.00
79) Terphenyl-d14	12.88	244	1140869	72.60	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.50	88	143982	33.990	ng	99
3) Pyridine	3.24	79	376795	32.571	ng	99
4) n-Nitrosodimethylamine	3.18	42	159666	45.561	ng	93
6) Aniline	6.42	93	466667	32.686	ng	# 23
8) 2-Chlorophenol	6.55	128	494152	48.128	ng	97
9) Benzaldehyde	6.30	77	205787	26.620	ng	99
10) Phenol	6.42	94	580174	46.376	ng	89
11) bis(2-Chloroethyl)ether	6.49	93	452688	47.293	ng	99
12) 1,3-Dichlorobenzene	6.70	146	532284	43.253	ng	99
13) 1,4-Dichlorobenzene	6.77	146	539740	43.829	ng	99
14) 1,2-Dichlorobenzene	6.93	146	499827	44.504	ng	99
15) Benzyl Alcohol	6.90	79	406735	48.637	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.03	45	361094	43.548	ng	77
17) 2-Methylphenol	7.02	107	390820	46.949	ng	94
18) Hexachloroethane	7.27	117	191398	43.443	ng	96
19) n-Nitroso-di-n-propylamine	7.17	70	321691	47.712	ng	96
20) 3+4-Methylphenols	7.17	107	474587	46.535	ng	# 81
22) Acetophenone	7.17	105	642753	47.355	ng	# 96
24) Nitrobenzene	7.34	77	489370	44.541	ng	99
25) Isophorone	7.58	82	898175	46.549	ng	99
26) 2-Nitrophenol	7.66	139	268136	46.060	ng	97
27) 2,4-Dimethylphenol	7.70	122	374112	47.351	ng	94
28) bis(2-Chloroethoxy)methane	7.79	93	545123	43.404	ng	100
29) 2,4-Dichlorophenol	7.90	162	429337	46.160	ng	100
30) 1,2,4-Trichlorobenzene	7.98	180	459649	41.681	ng	99
31) Naphthalene	8.06	128	1330256	43.725	ng	100
32) Benzoic acid	7.86	122	279454	48.409	ng	94
33) 4-Chloroaniline	8.11	127	271016	20.711	ng	99
34) Hexachlorobutadiene	8.18	225	281265	40.946	ng	97
35) Caprolactam	8.49	113	142517	49.763	ng	# 61
36) 4-Chloro-3-methylphenol	8.61	107	424873	45.136	ng	99
37) 2-Methylnaphthalene	8.75	142	870041	42.495	ng	98
38) 1-Methylnaphthalene	8.85	142	798137	41.451	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.92	216	415616	58.184	ng	99

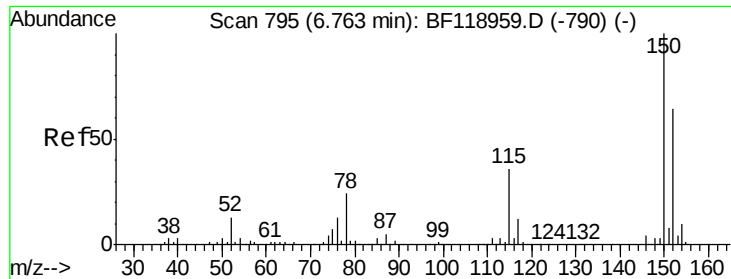
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.91	237	266731	99.934	nq	96
43) 2,4,6-Trichlorophenol	9.04	196	265829	58.931	nq	99
44) 2,4,5-Trichlorophenol	9.09	196	270950	57.241	nq #	84
46) 1,1'-Biphenyl	9.22	154	935576	54.639	nq	99
47) 2-Chloronaphthalene	9.25	162	739262	53.576	nq	96
48) 2-Nitroaniline	9.34	65	234131	60.835	nq	93
49) Acenaphthylene	9.66	152	1011781	50.769	nq #	93
50) Dimethylphthalate	9.52	163	913480	56.385	nq #	95
51) 2,6-Dinitrotoluene	9.59	165	204345	56.773	nq	97
52) Acenaphthene	9.85	154	579895	48.257	nq	98
53) 3-Nitroaniline	9.75	138	116704	29.247	nq #	88
54) 2,4-Dinitrophenol	9.88	184	73782	45.711	nq #	53
55) Dibenzofuran	10.02	168	787066	43.881	nq	93
56) 4-Nitrophenol	9.93	139	207444	86.527	nq #	36
57) 2,4-Dinitrotoluene	10.00	165	192541	41.270	nq #	94
58) Fluorene	10.37	166	581750	41.740	nq #	90
59) 2,3,4,6-Tetrachlorophenol	10.15	232	158364	39.650	nq #	92
60) Diethylphthalate	10.23	149	632270	41.414	nq #	90
61) 4-Chlorophenyl-phenylether	10.36	204	297039	40.264	nq #	85
62) 4-Nitroaniline	10.37	138	96629	23.669	nq #	74
63) Azobenzene	10.52	77	493667	37.201	nq	90
65) 4,6-Dinitro-2-methylphenol	10.42	198	50735	32.180	nq #	1
66) n-Nitrosodiphenylamine	10.47	169	524327	61.460	nq	98
67) 4-Bromophenyl-phenylether	10.85	248	191928	56.356	nq #	89
68) Hexachlorobenzene	10.94	284	235174	59.894	nq #	86
69) Atrazine	11.00	200	190841	64.026	nq	79
70) Pentachlorophenol	11.13	266	159077	100.574	nq	98
71) Phenanthrene	11.34	178	687753	48.403	nq #	88
72) Anthracene	11.39	178	684550	48.218	nq #	93
73) Carbazole	11.53	167	582152	46.028	nq #	89
74) Di-n-butylphthalate	11.86	149	737634	48.160	nq #	94
75) Fluoranthene	12.52	202	730182	48.414	nq	96
77) Benzidine	12.63	184	210960	19.173	nq #	71
78) Pyrene	12.75	202	745604	34.320	nq	98
80) Butylbenzylphthalate	13.35	149	365231	39.944	nq	96
81) Benzo(a)anthracene	13.92	228	803902	43.608	nq	99
82) 3,3'-Dichlorobenzidine	13.87	252	203837	28.476	nq #	97
83) Chrysene	13.96	228	777929	42.351	nq	99
84) Bis(2-ethylhexyl)phthalate	13.90	149	545010	47.181	nq	97
85) Di-n-octyl phthalate	14.50	149	999059	54.282	nq #	93
86) Indeno(1,2,3-cd)pyrene	16.76	276	1141002	64.152	nq	98
88) Benzo(b)fluoranthene	14.94	252	972825	46.108	nq	99
89) Benzo(k)fluoranthene	14.97	252	826151	42.253	nq	99
90) Benzo(a)pyrene	15.29	252	839491	44.086	nq	98
91) Dibenzo(a,h)anthracene	16.76	278	960140	57.305	nq	97
92) Benzo(g,h,i)perylene	17.17	276	994760	60.089	nq	97

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

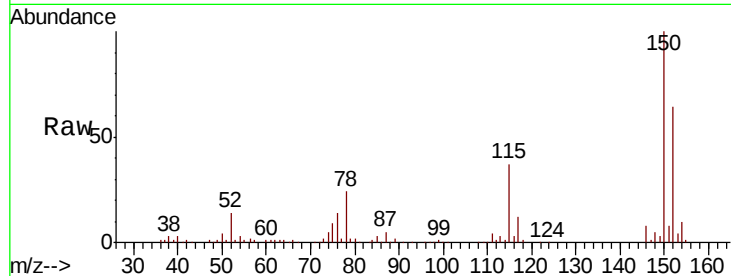


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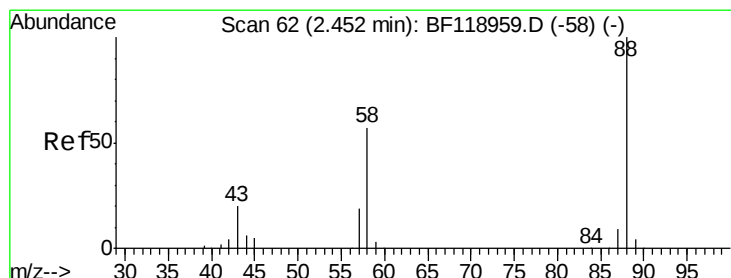
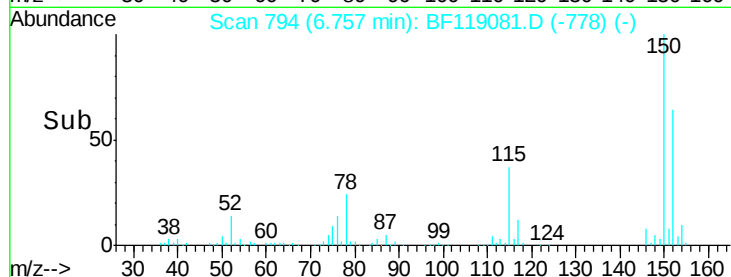
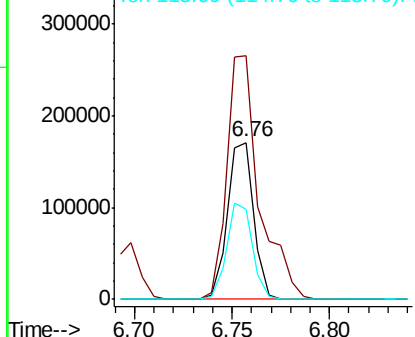
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:152 Resp: 158997
Ion Ratio Lower Upper
152 100
150 155.5 124.3 186.5
115 57.1 44.6 67.0



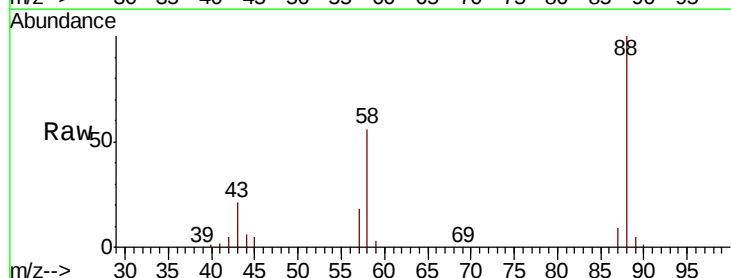
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



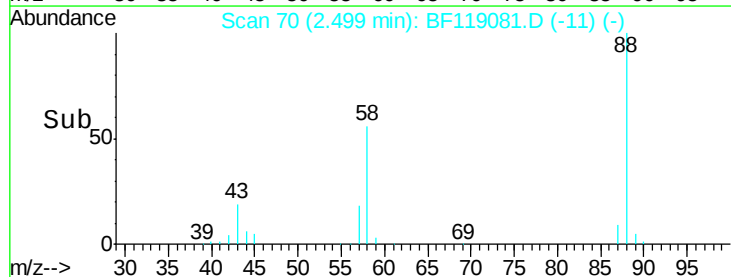
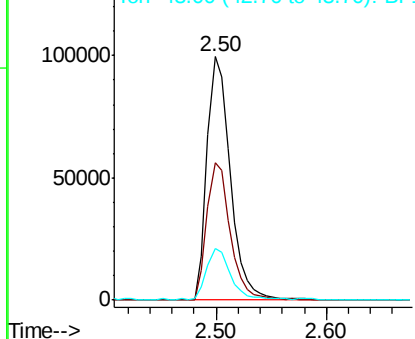
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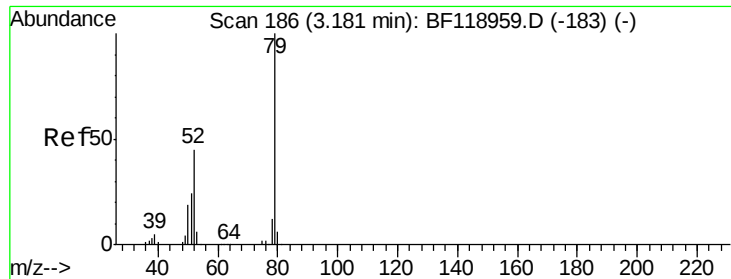
1,4-Dioxane
Concen: 33.990 ng
RT: 2.50 min Scan# 70
Delta R.T. 0.05 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion: 88 Resp: 143982
Ion Ratio Lower Upper
88 100
58 56.5 44.6 66.8
43 20.9 16.0 24.0



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

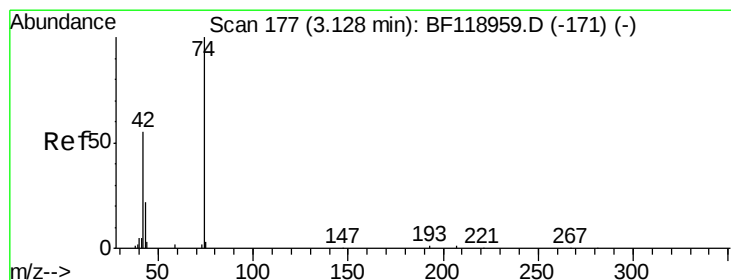
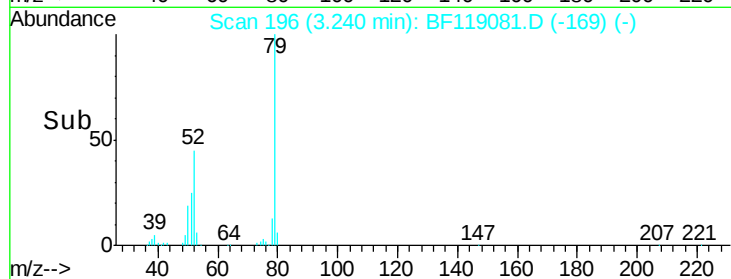
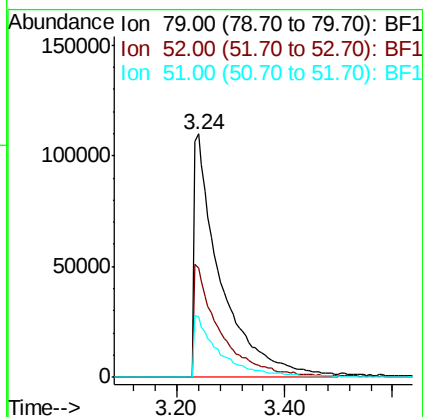
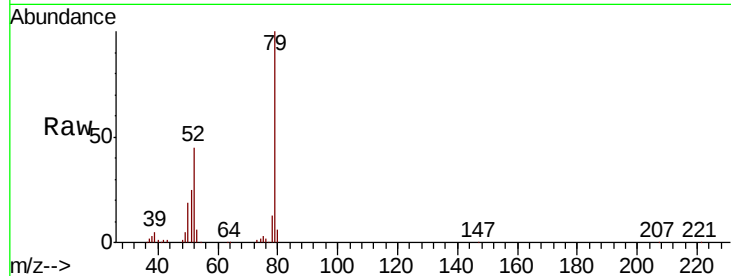




#3
Pvridine
Concen: 32.571 ng
RT: 3.24 min Scan# 196
Delta R.T. 0.06 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

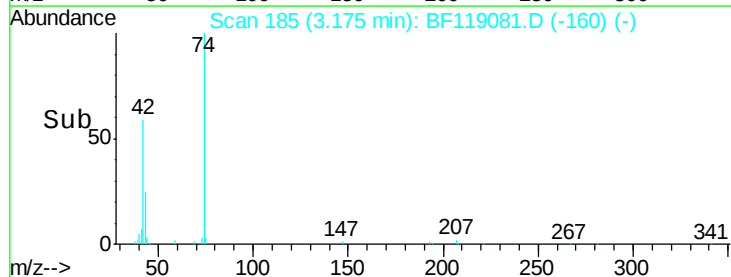
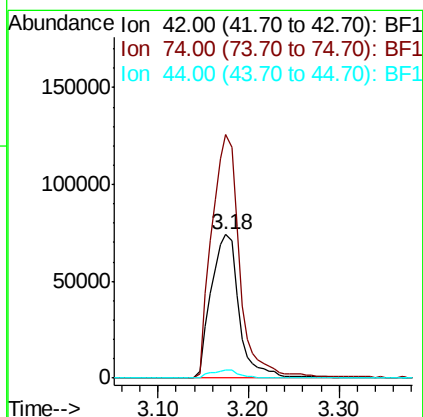
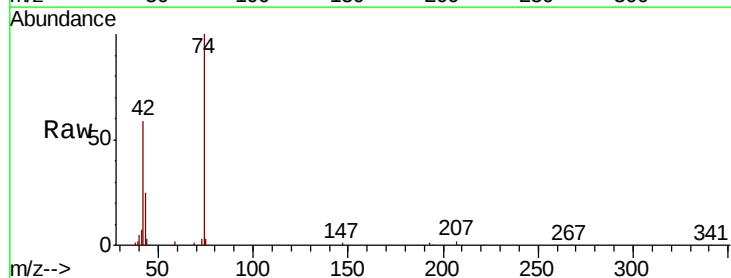
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

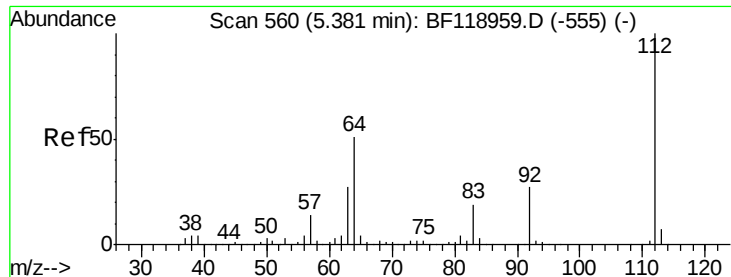
Tot Ion	Ratio	Lower	Upper
79	100		
52	45.1	36.3	54.5
51	25.0	19.5	29.3



#4
n-Nitrosodimethylamine
Concen: 45.561 ng
RT: 3.18 min Scan# 185
Delta R.T. 0.05 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion	Ratio	Lower	Upper
42	100		
74	169.8	144.4	216.6
44	5.6	4.5	6.7





#5

2-Fluorophenol

Concen: 109.485 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

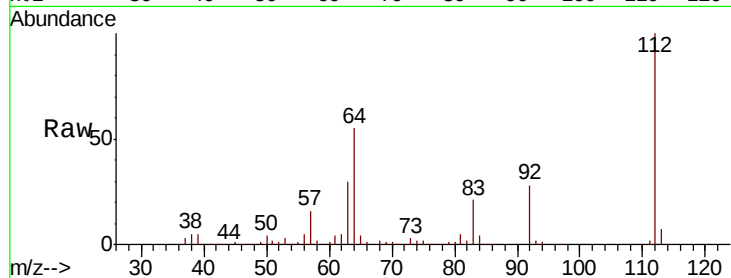
Tot Ion:112 Resp: 1041649

Ion Ratio Lower Upper

112 100

64 54.5 40.4 60.6

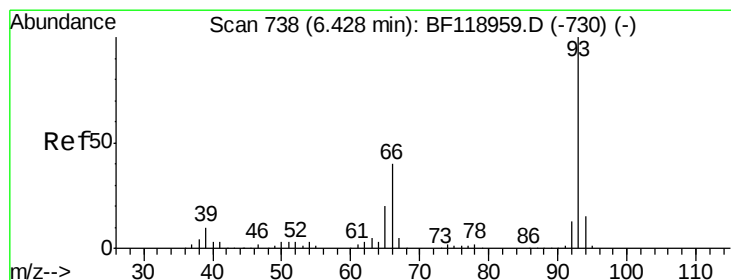
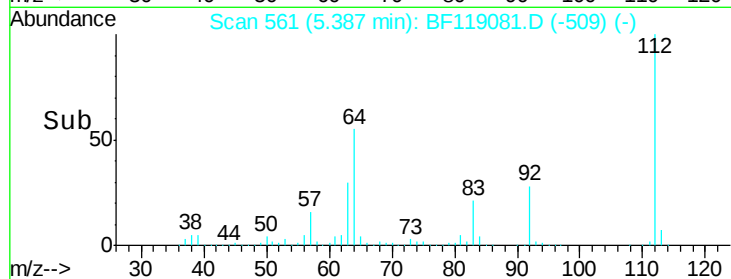
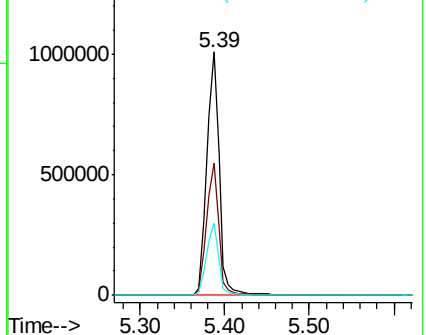
63 29.7 21.3 31.9



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: 32.686 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

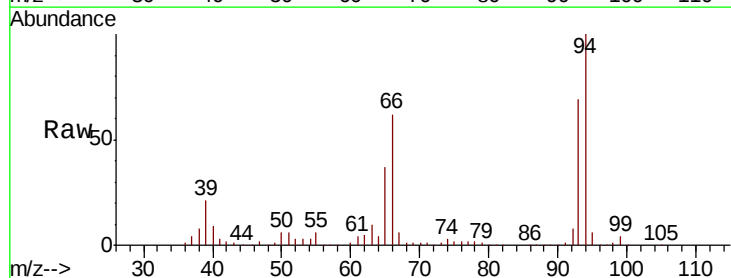
Tgt Ion: 93 Resp: 466667

Ion Ratio Lower Upper

93 100

66 89.1 32.2 48.2#

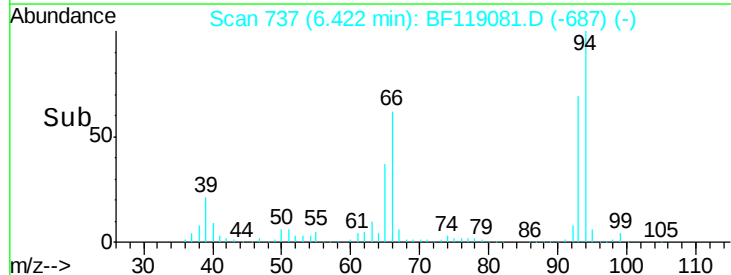
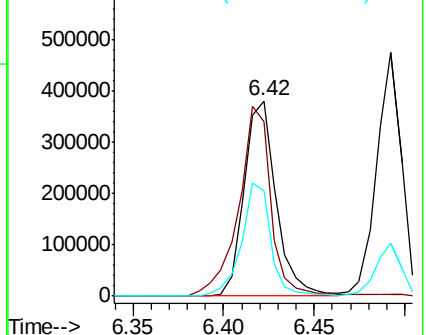
65 53.6 16.1 24.1#



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: 109.278 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

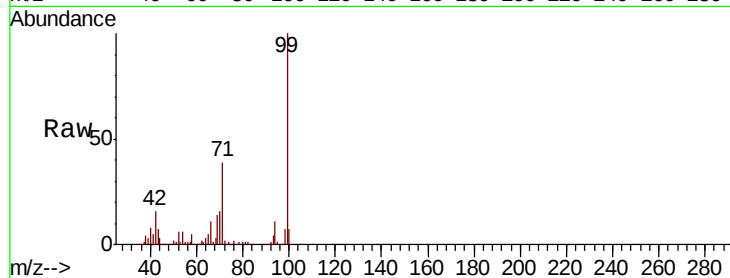
Tot Ion: 99 Resp: 1264439

Ion Ratio Lower Upper

99 100

42 15.6 11.4 17.0

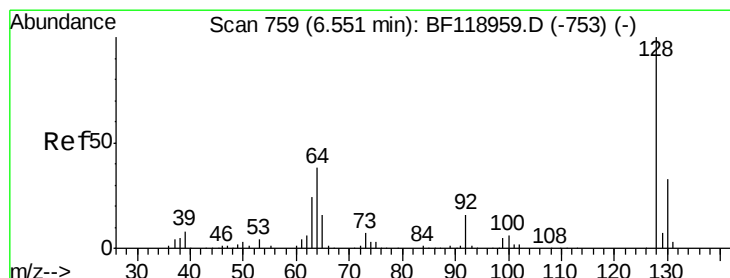
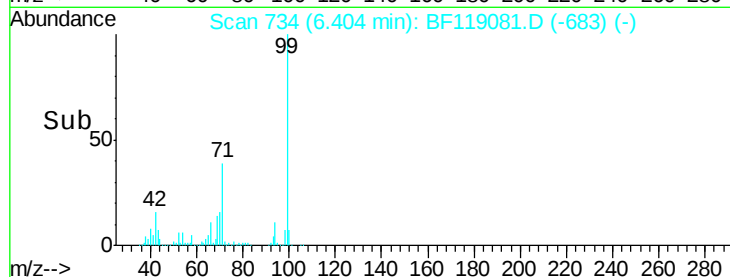
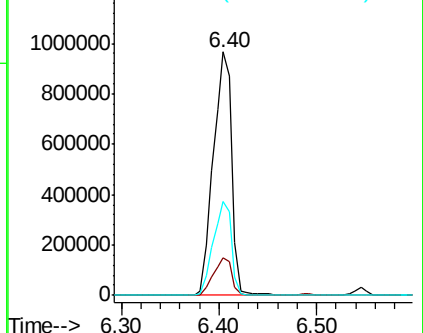
71 38.6 29.8 44.6



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: 48.128 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

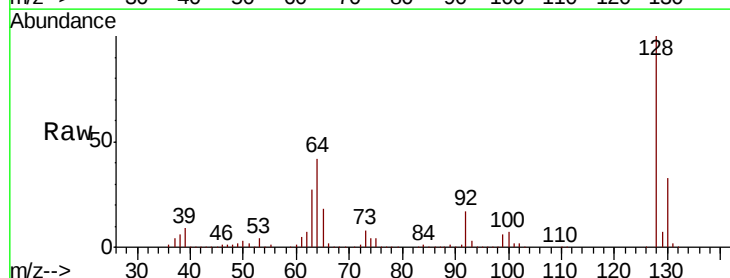
Tgt Ion: 128 Resp: 494152

Ion Ratio Lower Upper

128 100

130 33.1 12.7 52.7

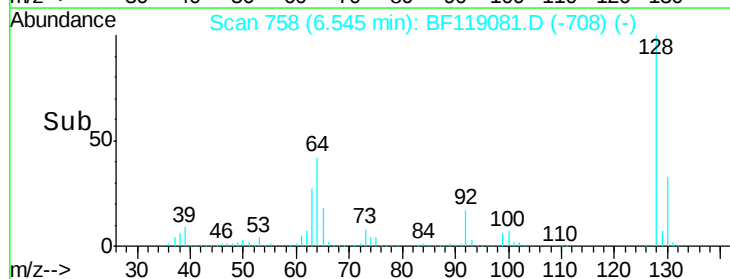
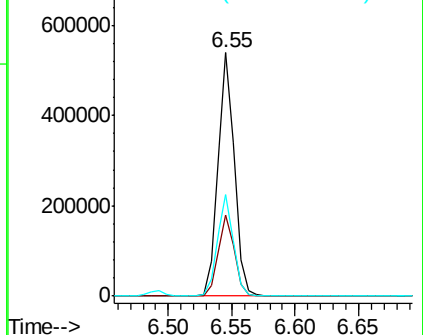
64 41.5 18.7 58.7

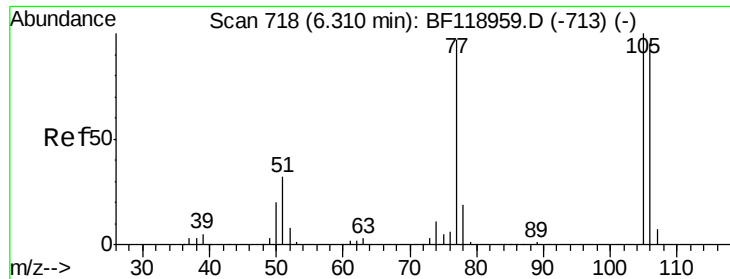


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

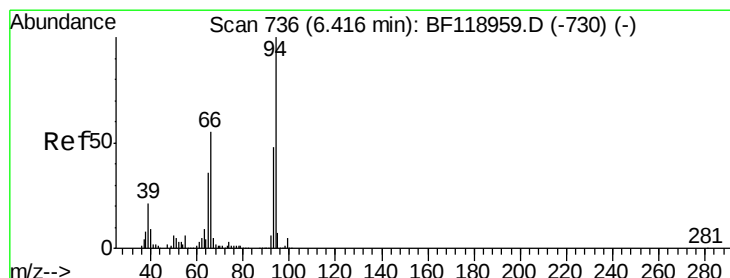
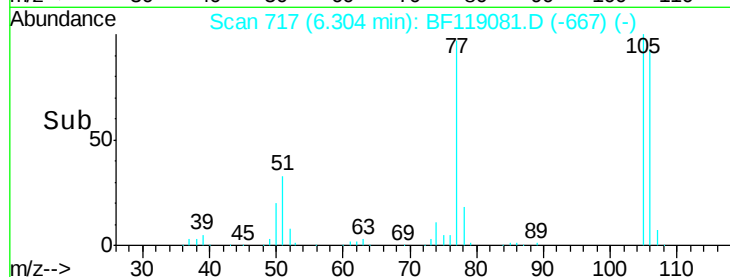
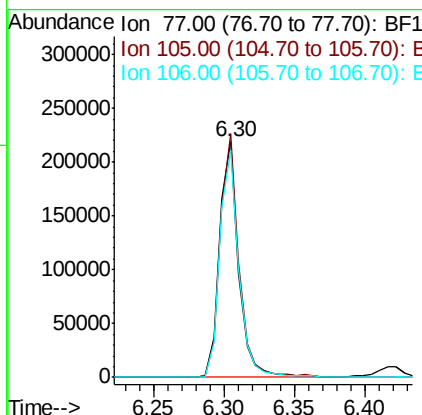
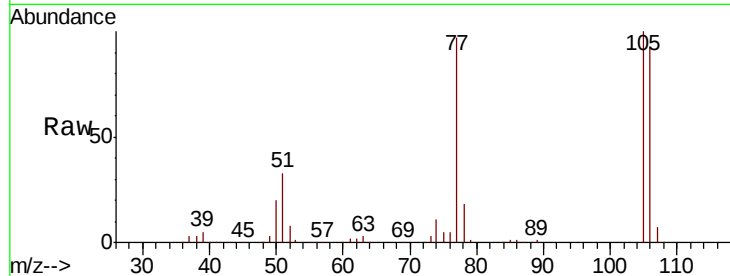




#9
Benzaldehyde
Concen: 26.620 ng
RT: 6.30 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

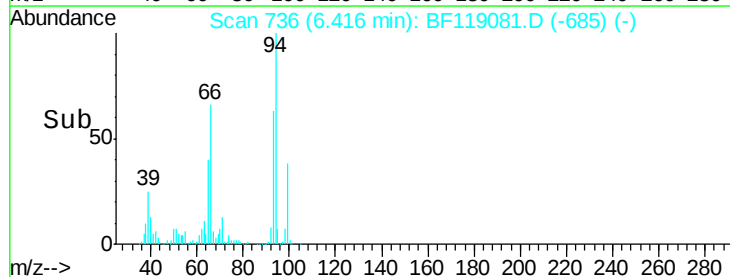
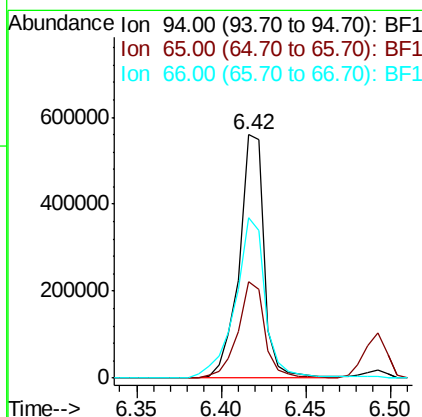
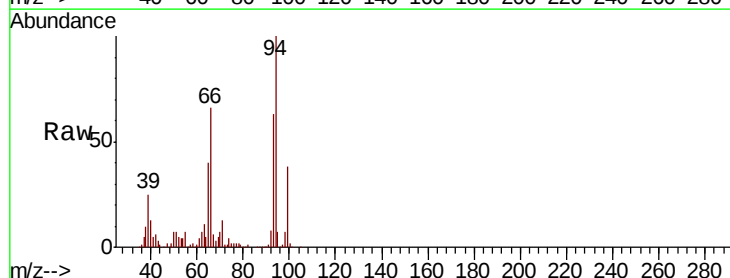
Instrument :
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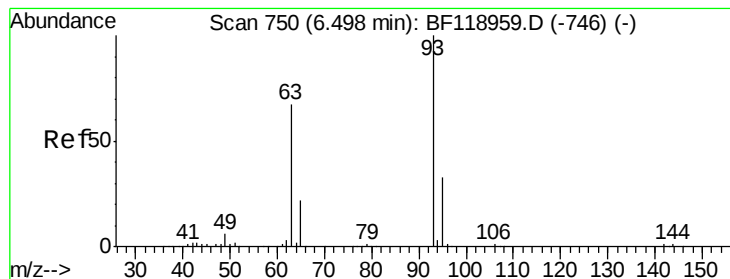
Tot Ion	Ratio	Lower	Upper
77	100		
105	103.5	83.0	123.0
106	96.4	78.3	118.3



#10
Phenol
Concen: 46.376 ng
RT: 6.42 min Scan# 736
Delta R.T. 0.00 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion	Ratio	Lower	Upper
94	100		
65	39.5	15.5	55.5
66	65.9	35.6	75.6

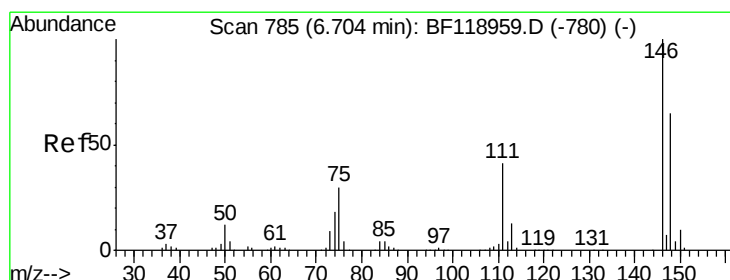
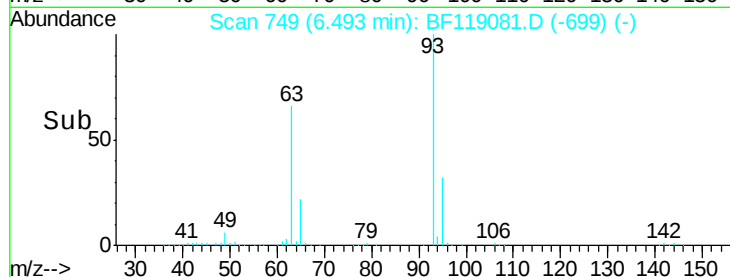
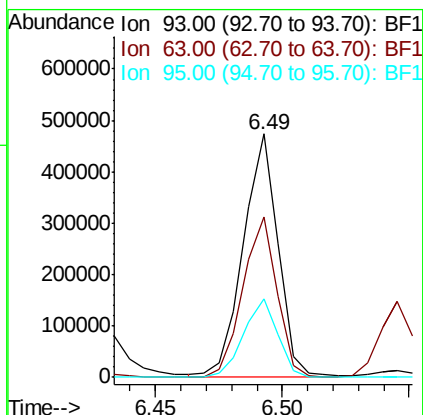
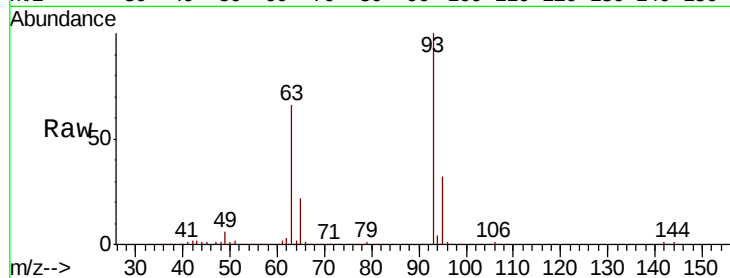




#11
bis(2-Chloroethyl)ether
Concen: 47.293 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

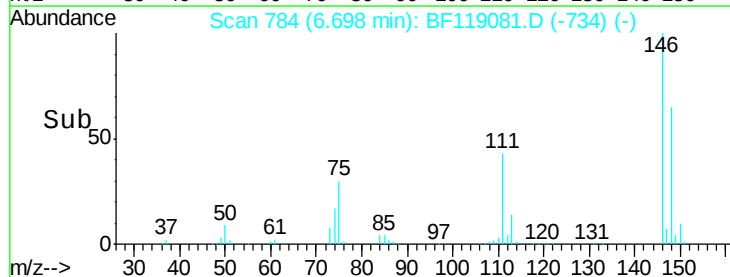
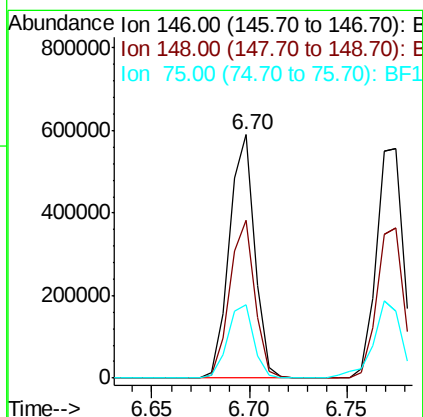
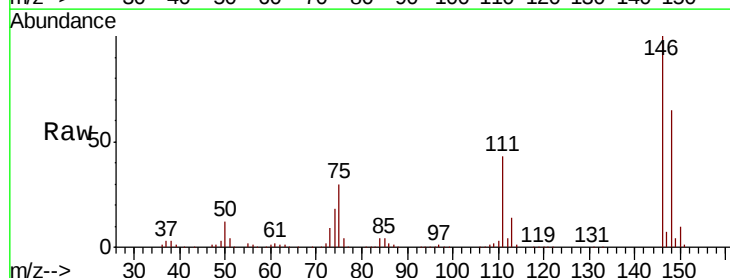
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

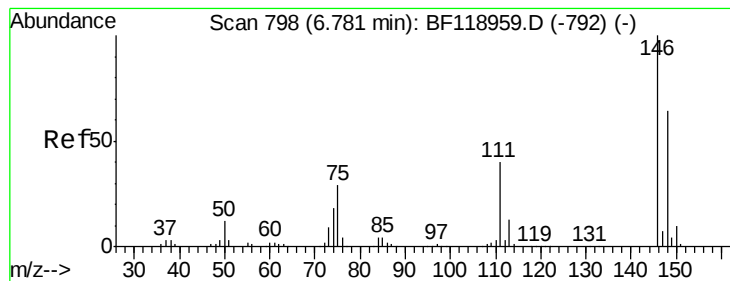
Tot Ion: 93 Resp: 452688
Ion Ratio Lower Upper
93 100
63 66.1 46.8 86.8
95 32.5 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 43.253 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion: 146 Resp: 532284
Ion Ratio Lower Upper
146 100
148 65.0 51.7 77.5
75 30.2 23.6 35.4





#13

1,4-Dichlorobenzene

Concen: 43.829 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

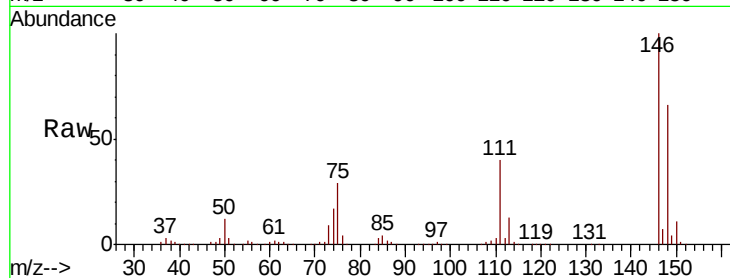
Tot Ion:146 Resp: 539740

Ion Ratio Lower Upper

146 100

148 65.6 51.4 77.2

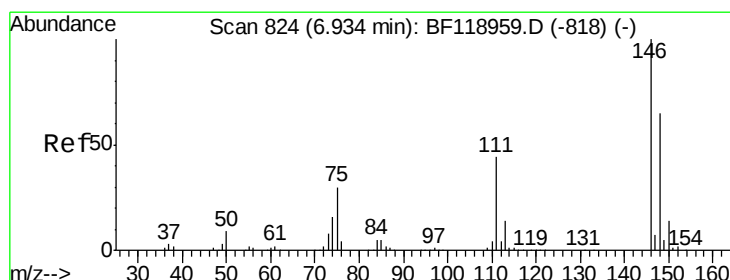
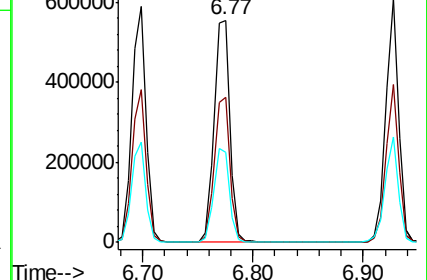
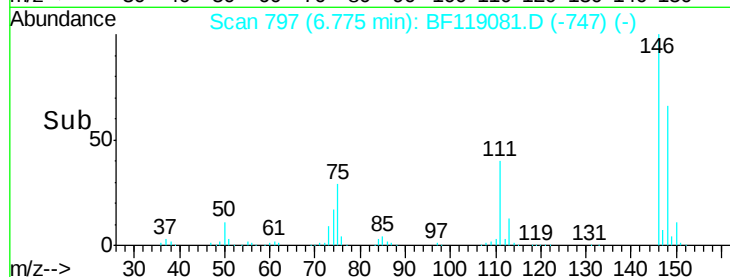
111 40.3 31.9 47.9



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: 44.504 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

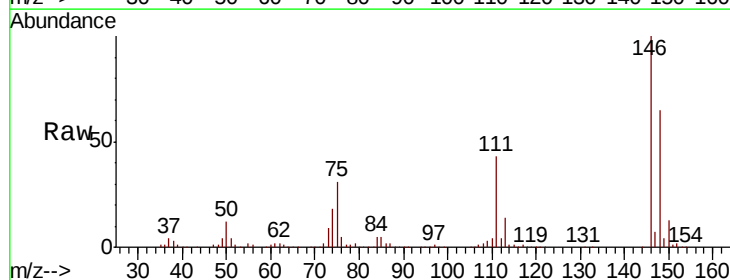
Tgt Ion:146 Resp: 499827

Ion Ratio Lower Upper

146 100

148 64.7 52.1 78.1

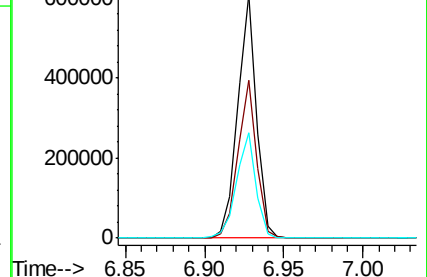
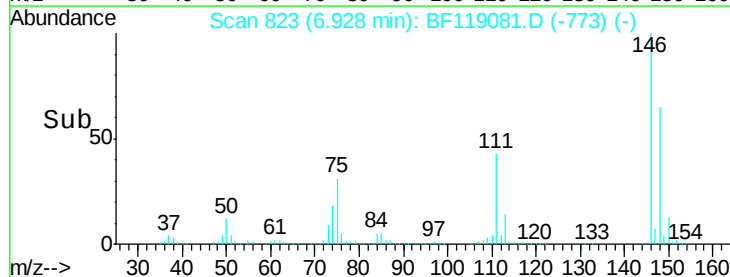
111 43.0 35.5 53.3



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: 48.637 ng

RT: 6.90 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

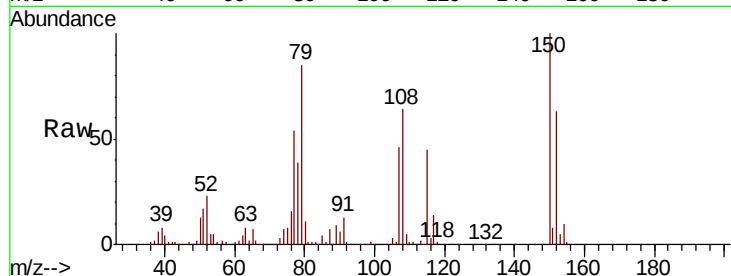
Tot Ion: 79 Resp: 406735

Ion Ratio Lower Upper

79 100

108 75.1 61.1 91.7

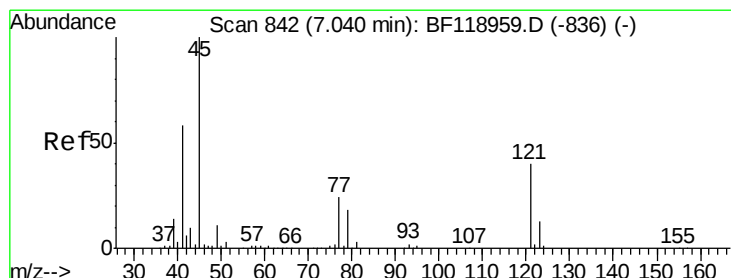
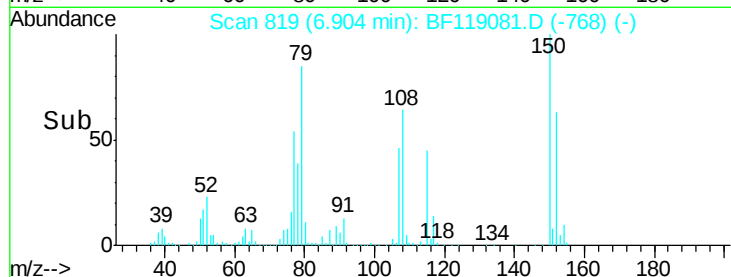
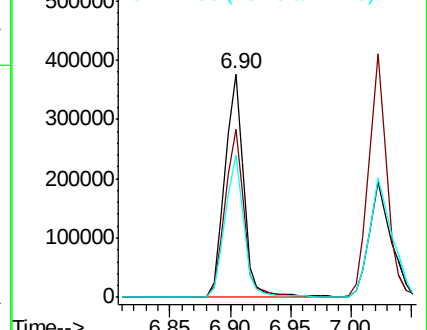
77 63.7 50.2 75.2



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: 43.548 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

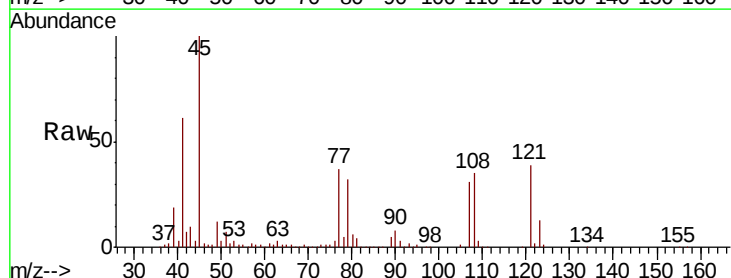
Tgt Ion: 45 Resp: 361094

Ion Ratio Lower Upper

45 100

77 36.6 6.1 46.1

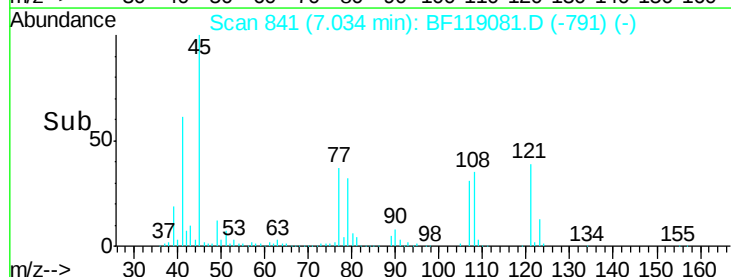
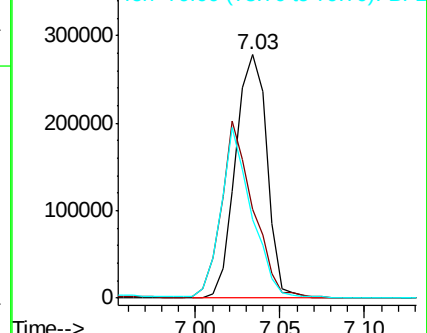
79 32.2 0.5 40.5

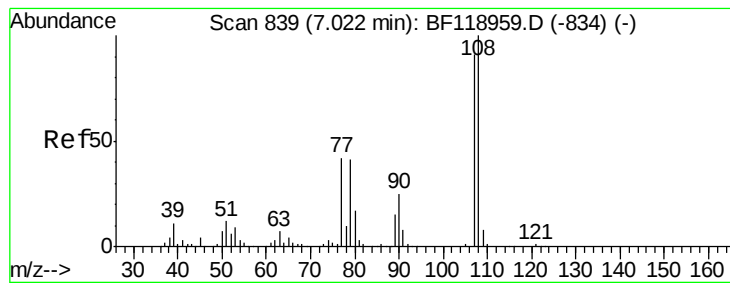


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

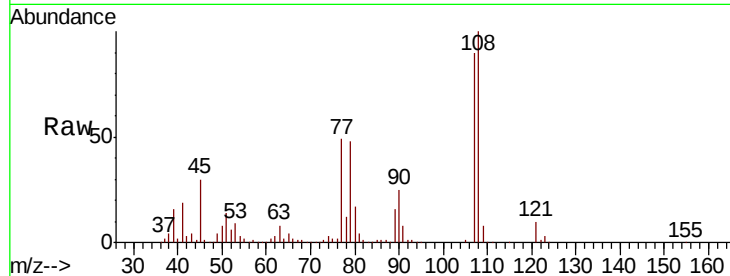




#17
2-Methylphenol
Concen: 46.949 ng
RT: 7.02 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	111.1	87.7	131.5
77	54.7	36.8	55.2
79	53.0	36.4	54.6



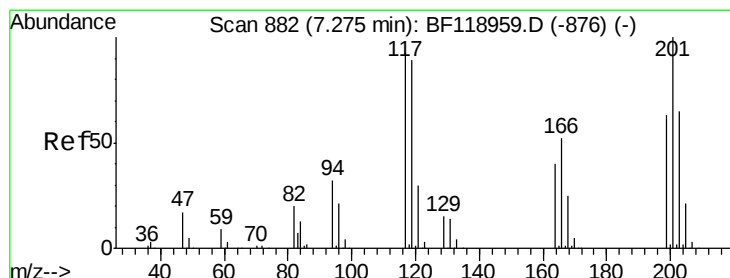
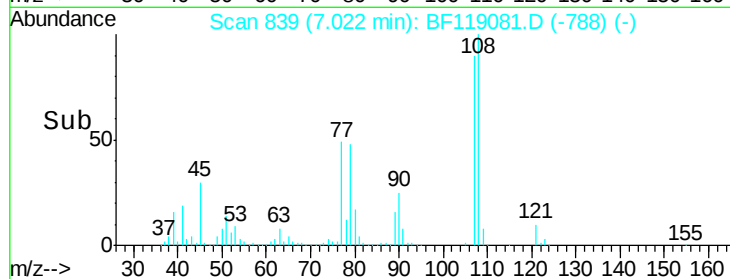
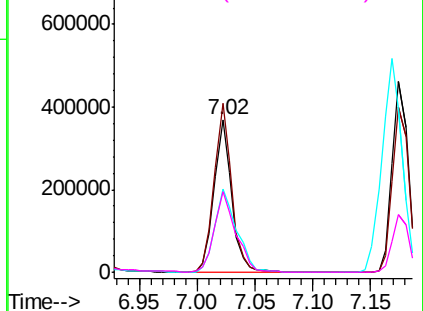
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

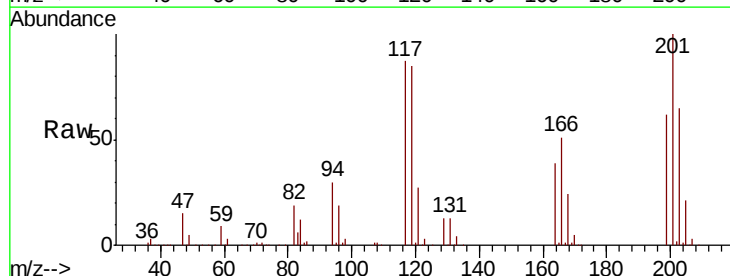
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 43.443 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.0	115.6
201	114.7	86.4	129.6

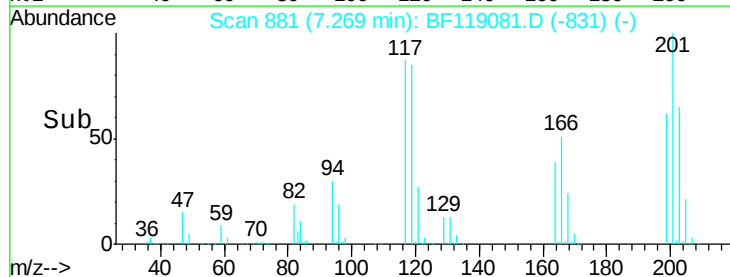
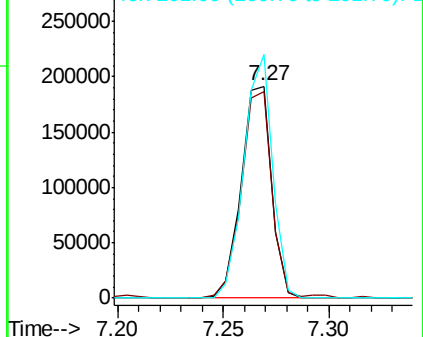


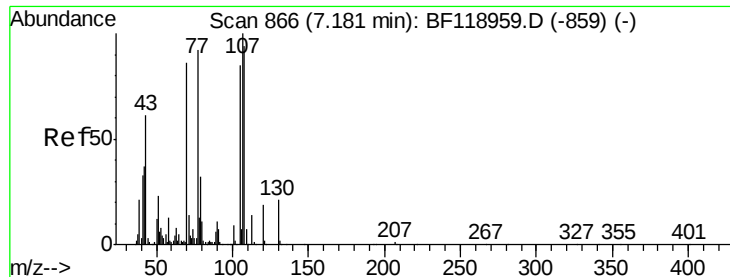
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

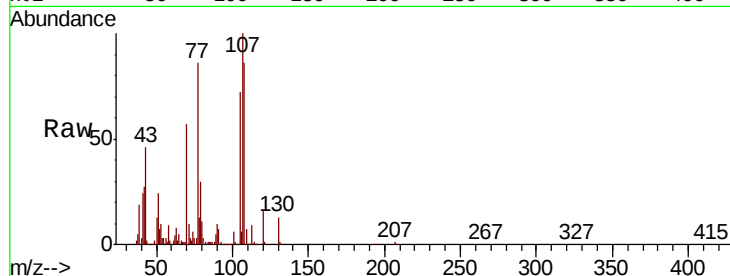




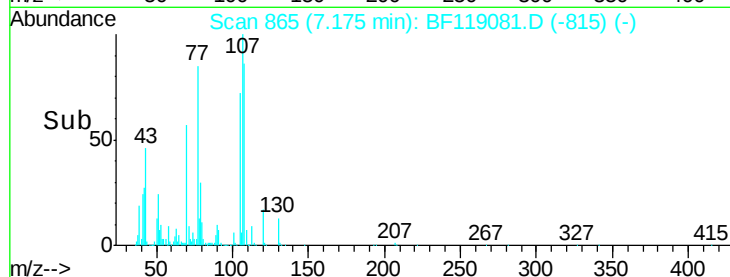
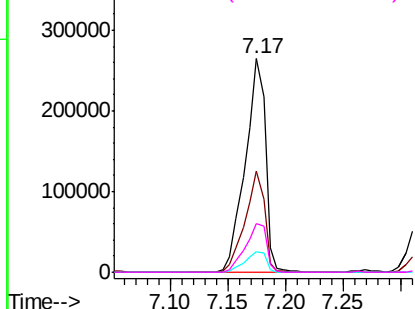
#19
n-Nitroso-di-n-propylamine
Concen: 47.712 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion: 70 Resp: 321691
Ion Ratio Lower Upper
70 100
42 47.2 34.6 51.8
101 9.9 8.1 12.1
130 23.0 19.4 29.2



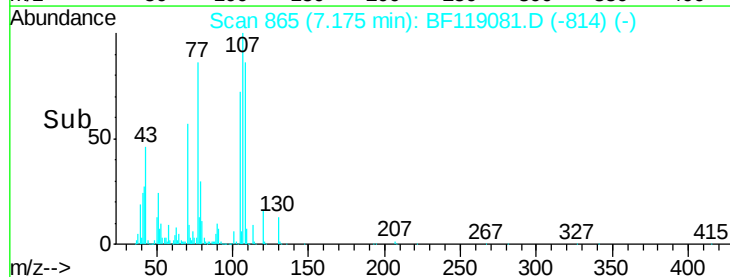
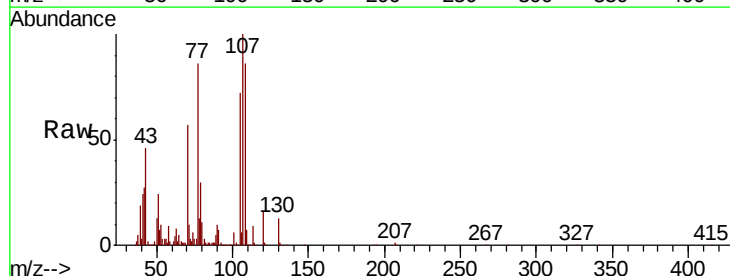
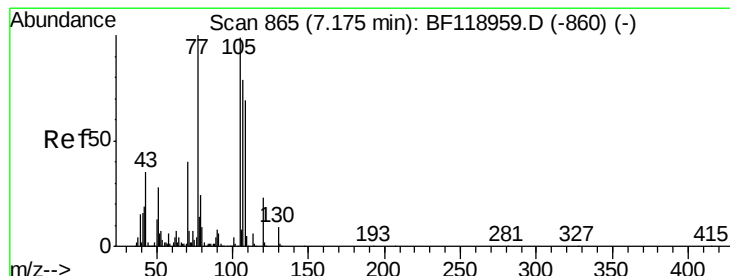
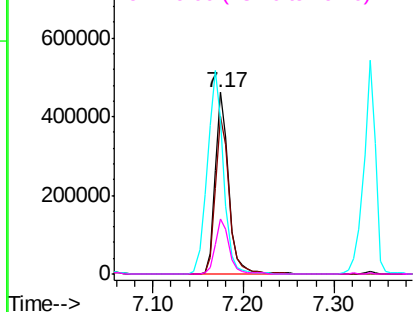
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1



#20
3+4-Methylphenols
Concen: 46.535 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion: 107 Resp: 474587
Ion Ratio Lower Upper
107 100
108 86.3 67.0 107.0
77 85.6 106.2 146.2#
79 30.2 10.0 50.0

Abundance Ion 107.00 (106.70 to 107.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
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: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

Tot Ion:136 Resp: 586628

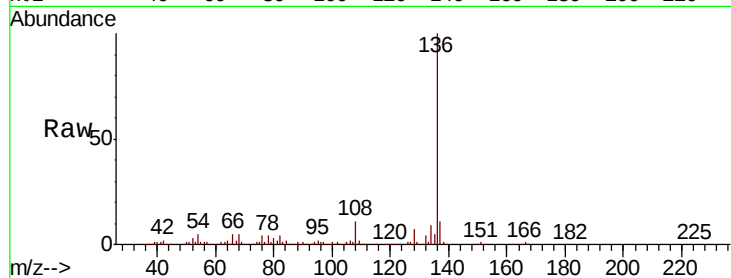
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 4.8 3.8 5.6

68 5.2 4.2 6.2

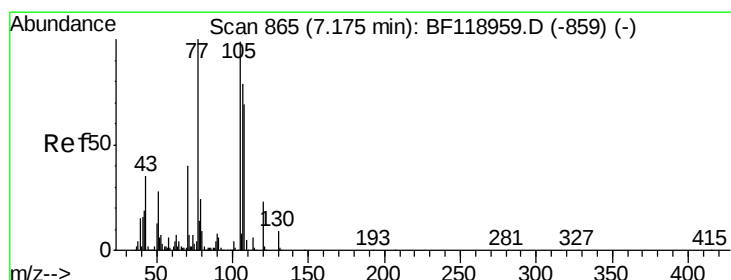
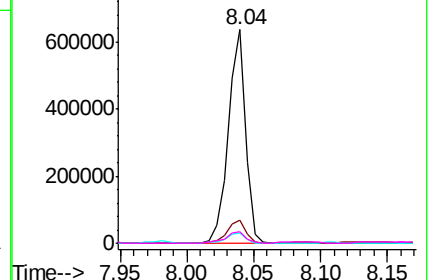
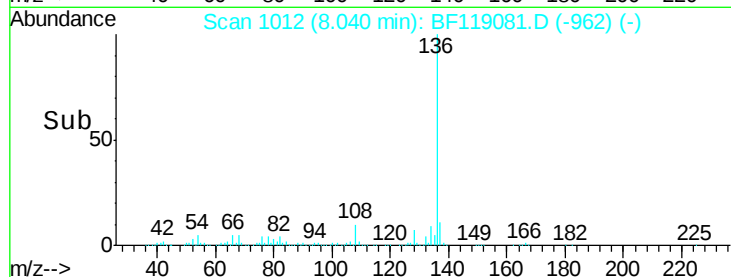


Abundance Ion 136.00 (135.70 to 136.70): E

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: 47.355 ng

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Tgt Ion:105 Resp: 642753

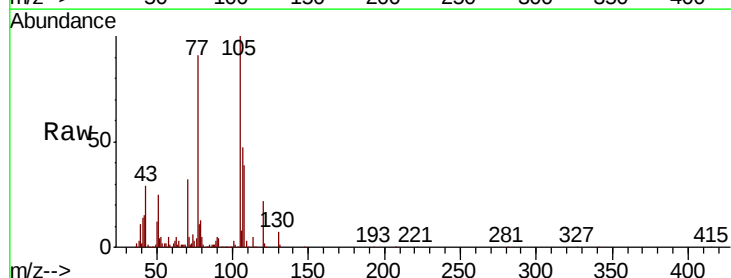
Ion Ratio Lower Upper

105 100

71 5.3 5.4 8.0#

51 25.3 22.5 33.7

120 22.1 18.4 27.6

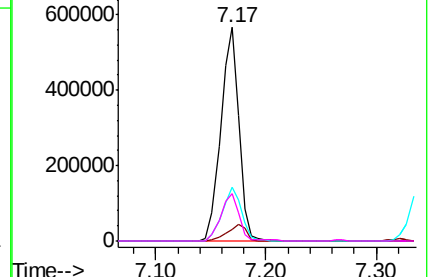
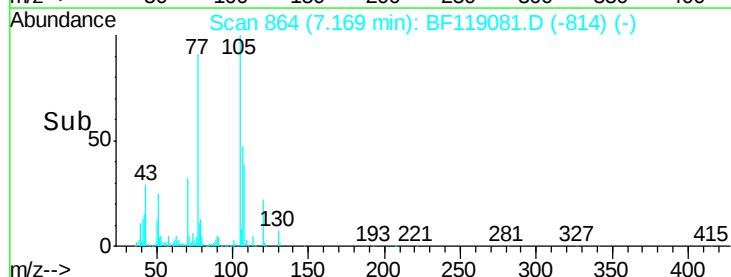


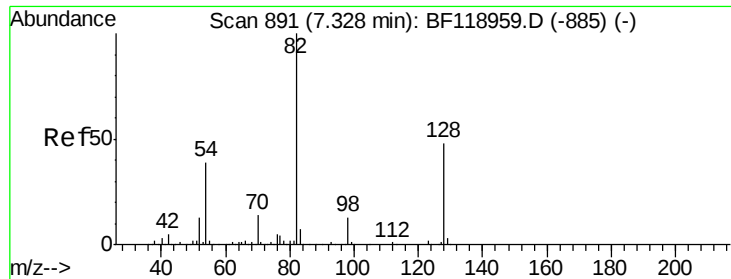
Abundance Ion 105.00 (104.70 to 105.70): E

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

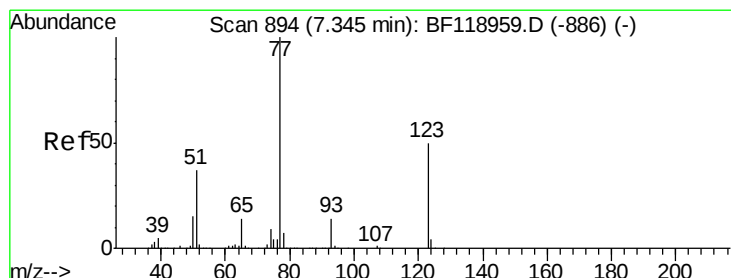
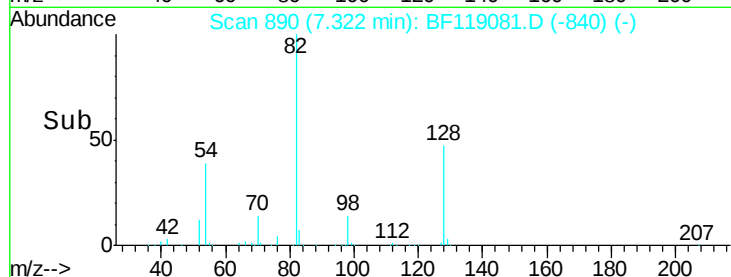
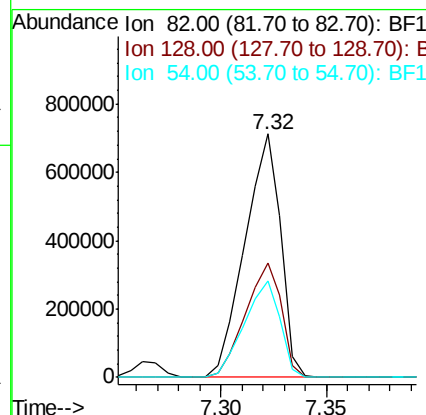
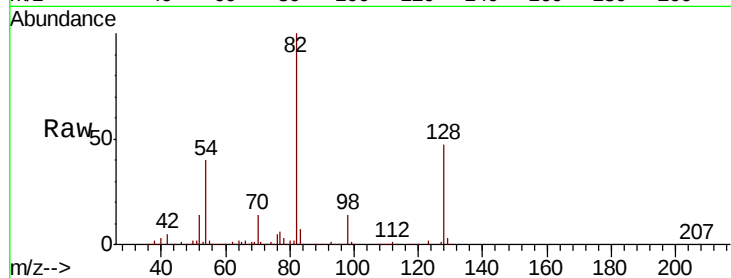




#23
Nitrobenzene-d5
Concen: 75.085 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

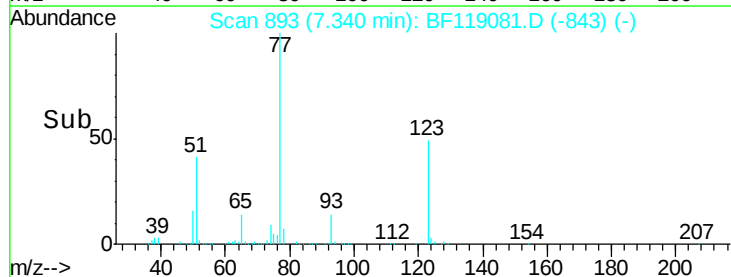
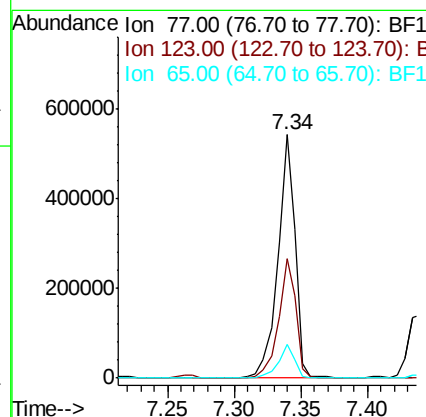
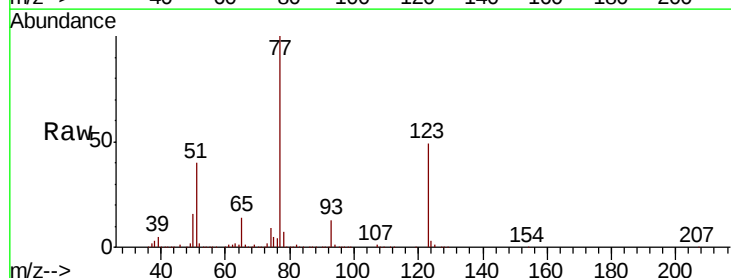
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

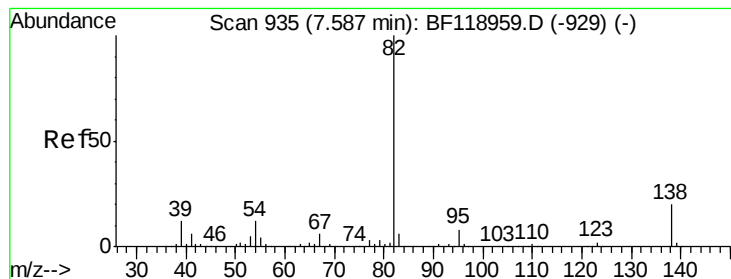
Tot Ion	82	Resp	834222
Ion Ratio	Lower	Upper	
82	100		
128	46.8	38.2	57.2
54	39.6	31.3	46.9



#24
Nitrobenzene
Concen: 44.541 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion	77	Resp	489370
Ion Ratio	Lower	Upper	
77	100		
123	49.1	40.1	60.1
65	13.8	10.9	16.3





#25

Isophorone

Concen: 46.549 ng

RT: 7.58 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

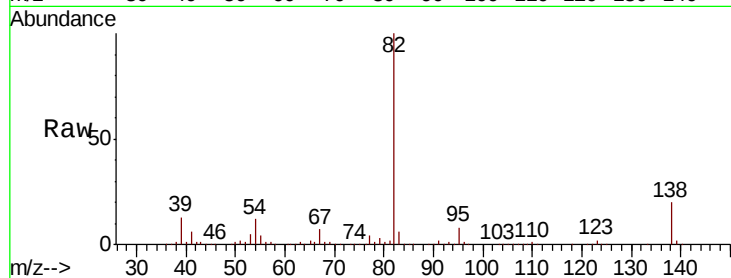
Tot Ion: 82 Resp: 898175

Ion Ratio Lower Upper

82 100

95 8.2 6.1 9.1

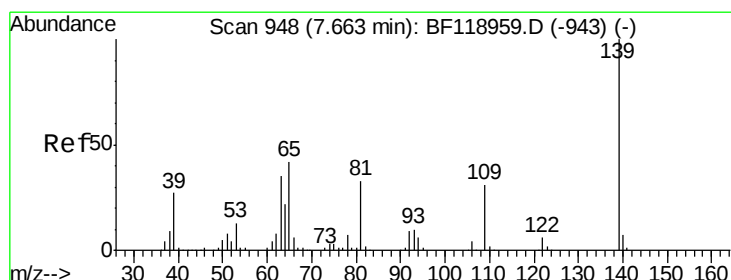
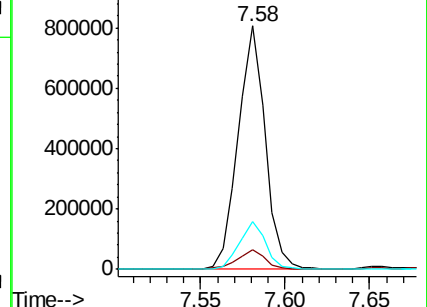
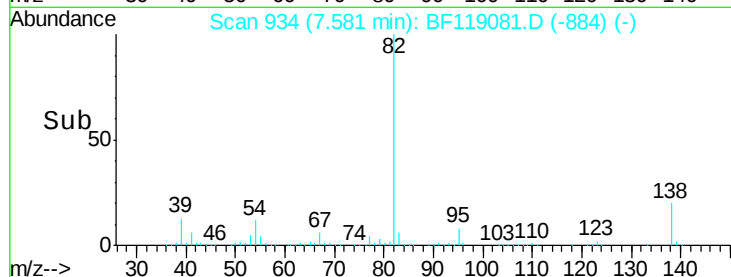
138 19.8 15.8 23.6



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: 46.060 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

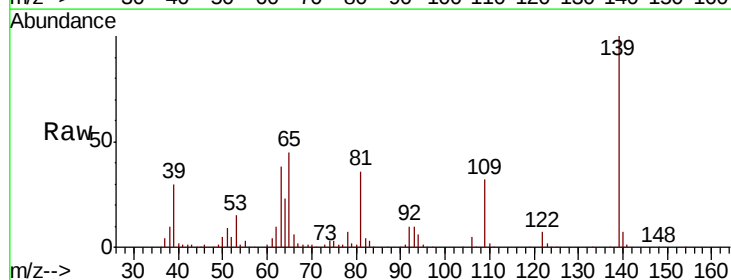
Tgt Ion: 139 Resp: 268136

Ion Ratio Lower Upper

139 100

109 31.9 24.6 36.8

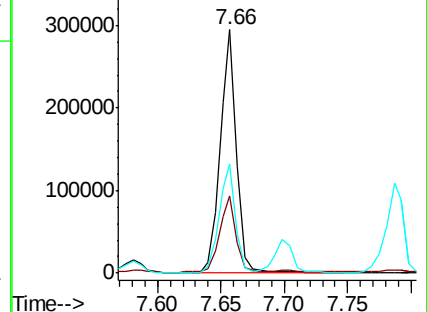
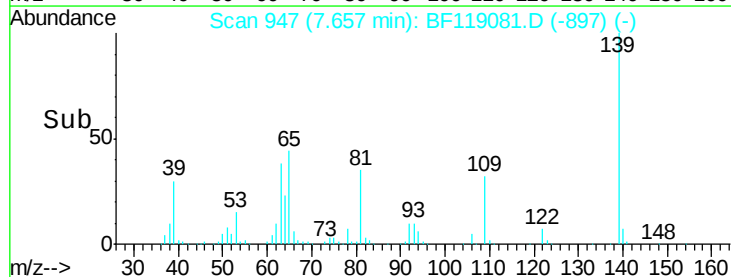
65 44.7 33.6 50.4

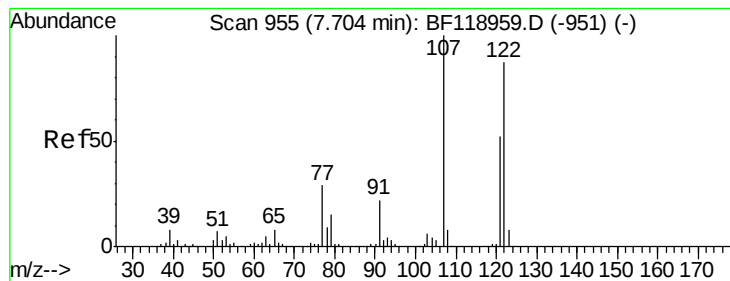


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 47.351 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

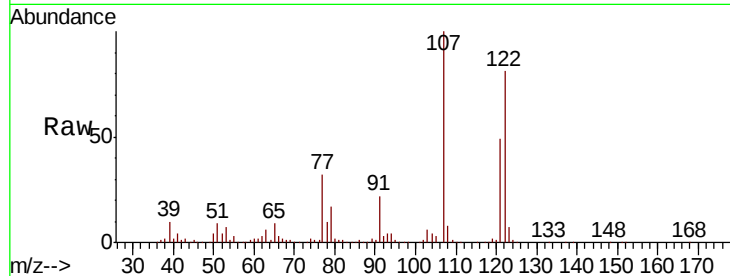
Tot Ion:122 Resp: 374112

Ion Ratio Lower Upper

122 100

107 123.6 91.8 137.8

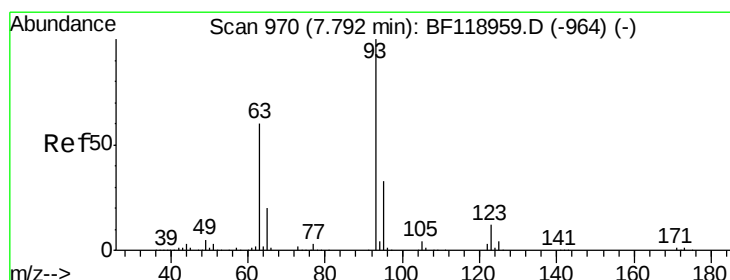
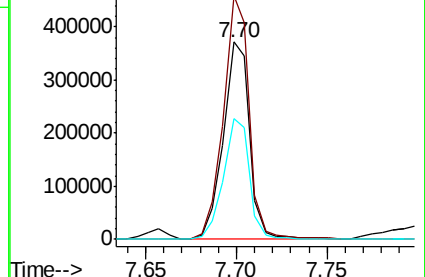
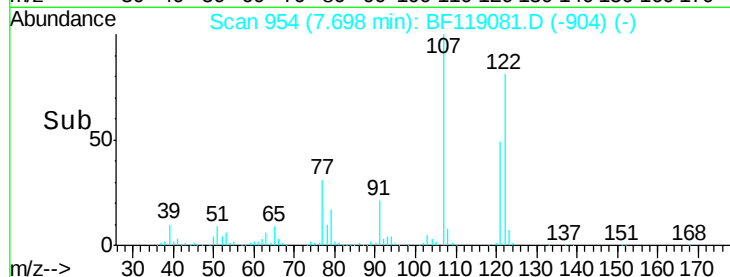
121 61.1 47.4 71.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.404 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

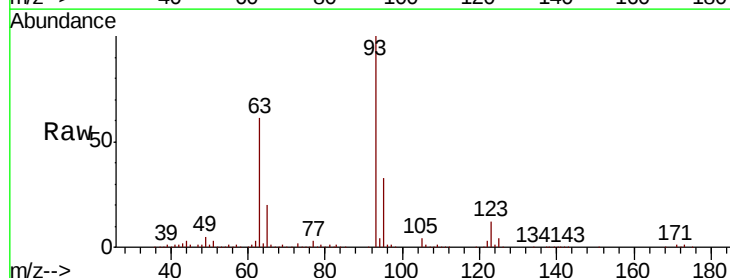
Tgt Ion: 93 Resp: 545123

Ion Ratio Lower Upper

93 100

95 32.8 26.3 39.5

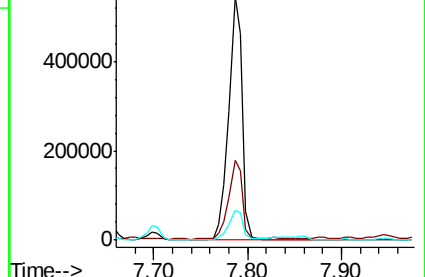
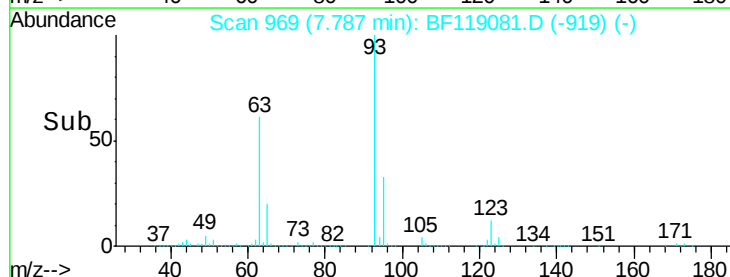
123 12.4 9.8 14.8

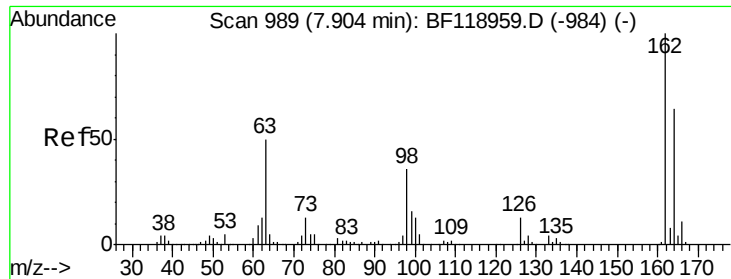


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

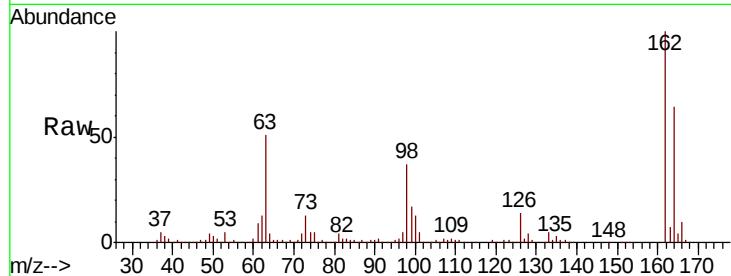




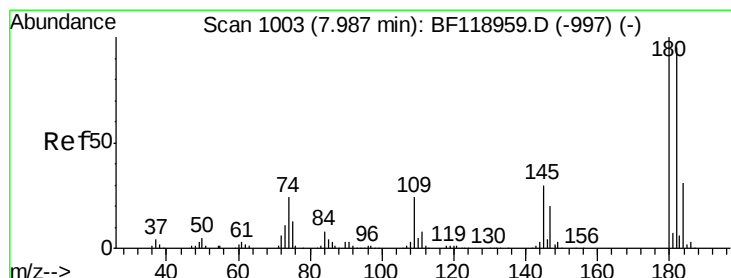
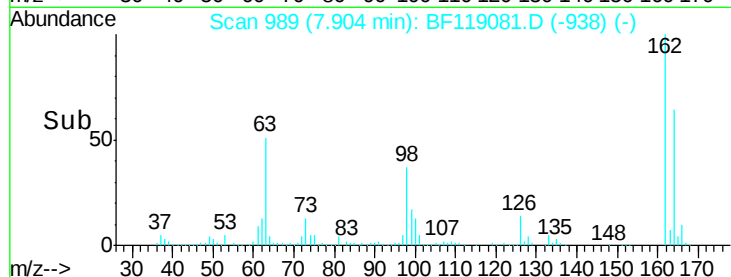
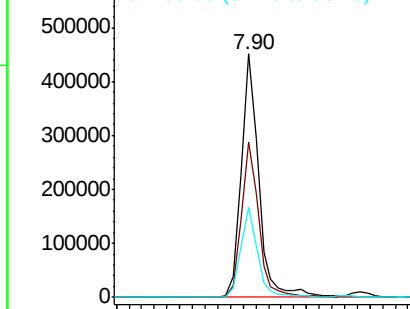
#29
2,4-Dichlorophenol
Concen: 46.160 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.00 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.1	84.1
98	37.0	16.4	56.4

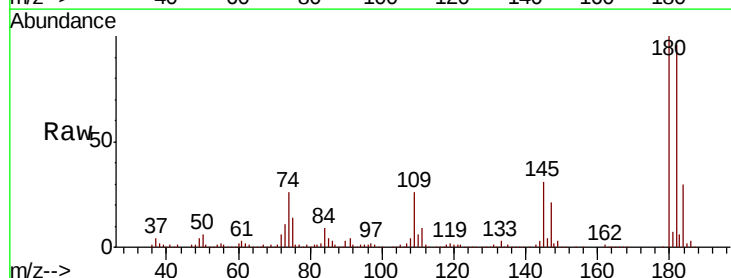


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

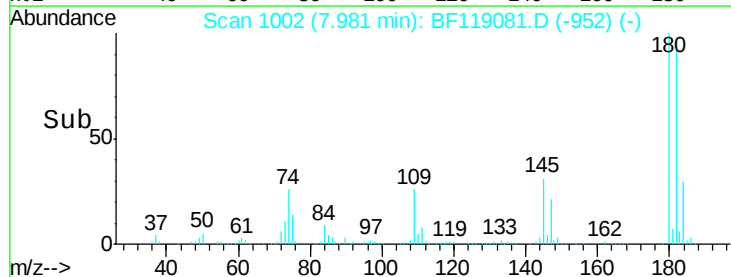
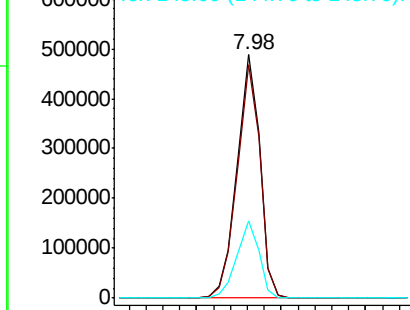


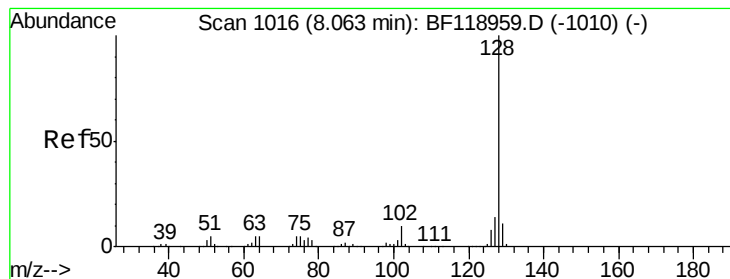
#30
1,2,4-Trichlorobenzene
Concen: 41.681 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
145	31.5	24.2	36.2



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 43.725 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

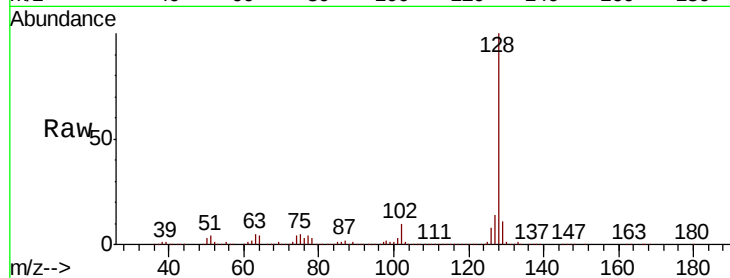
Tot Ion:128 Resp: 1330256

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

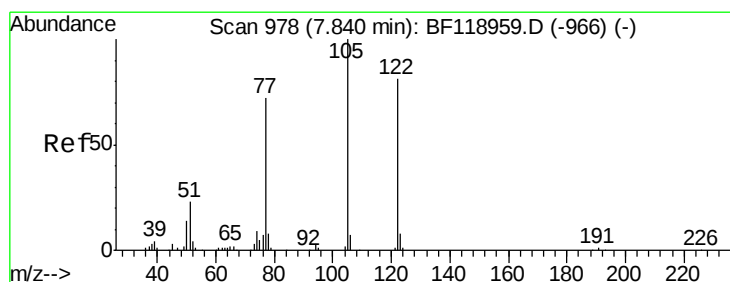
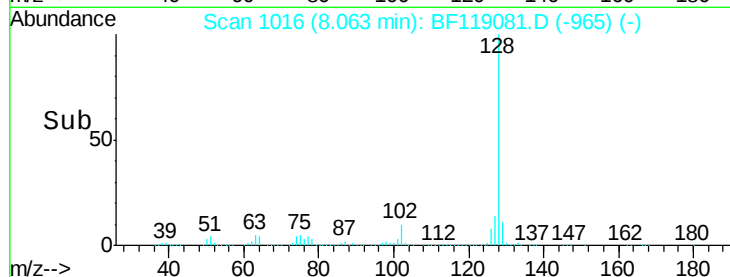
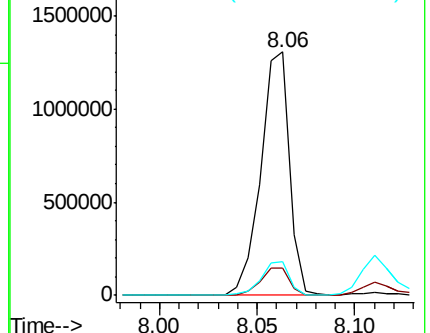
127 13.8 10.9 16.3



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: 48.409 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

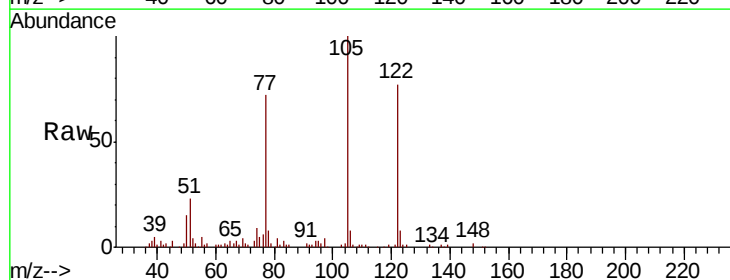
Tgt Ion:122 Resp: 279454

Ion Ratio Lower Upper

122 100

105 129.7 102.2 142.2

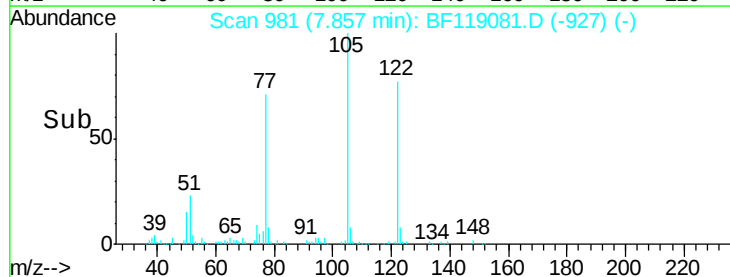
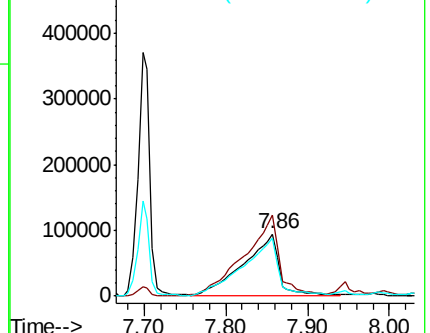
77 93.2 68.6 108.6

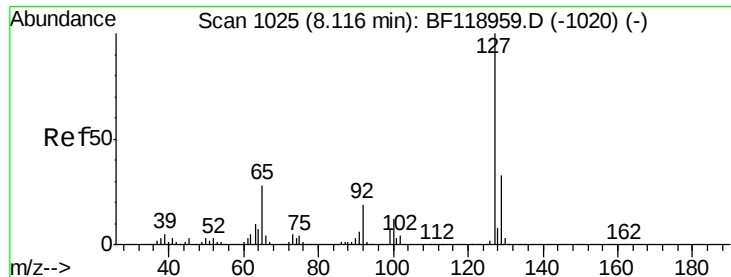


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

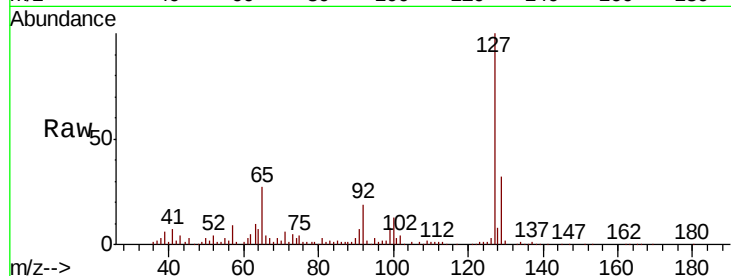




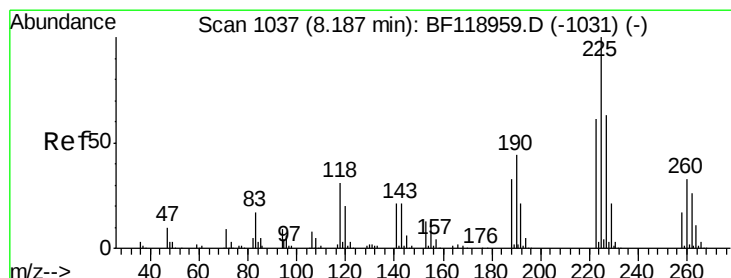
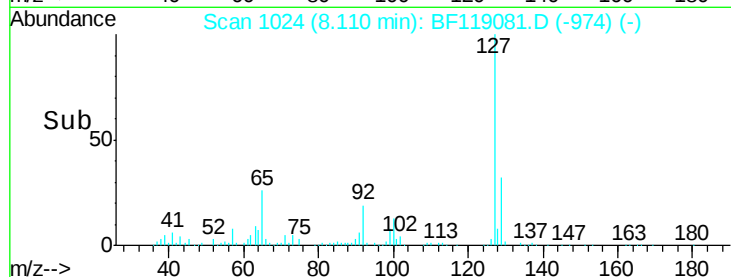
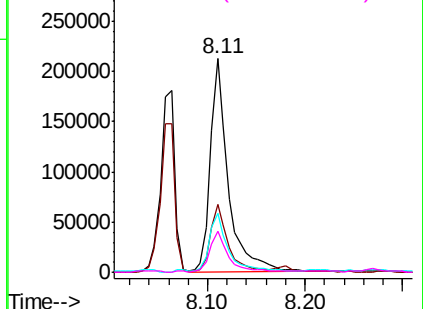
#33
4-Chloroaniline
Concen: 20.711 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:	127	Resp:	271016
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.2	39.2
65	27.4	22.0	33.0
92	19.1	15.5	23.3

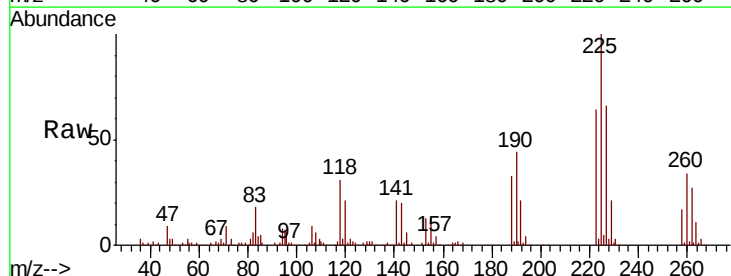


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

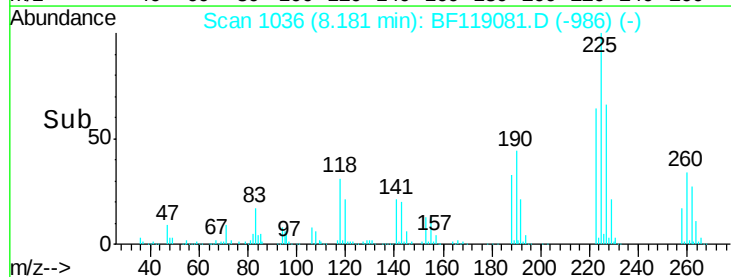
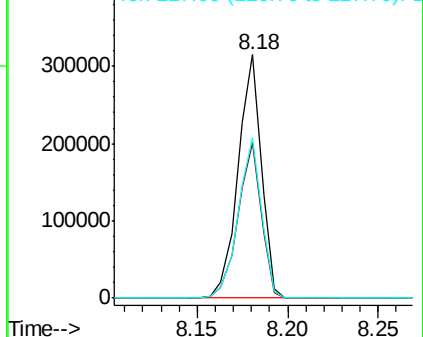


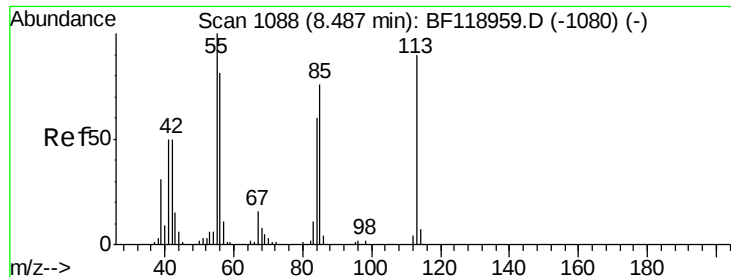
#34
Hexachlorobutadiene
Concen: 40.946 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion:	225	Resp:	281265
Ion	Ratio	Lower	Upper
225	100		
223	63.5	48.9	73.3
227	65.7	50.4	75.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

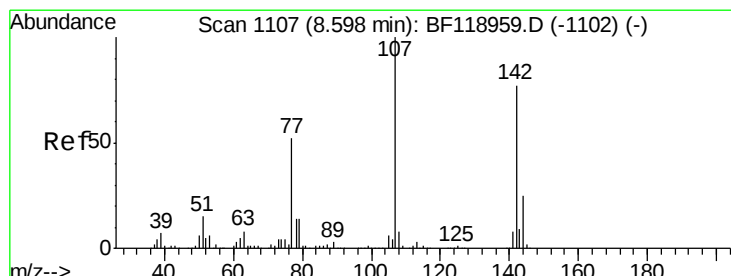
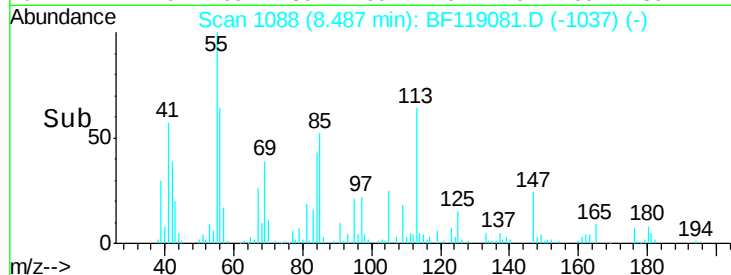
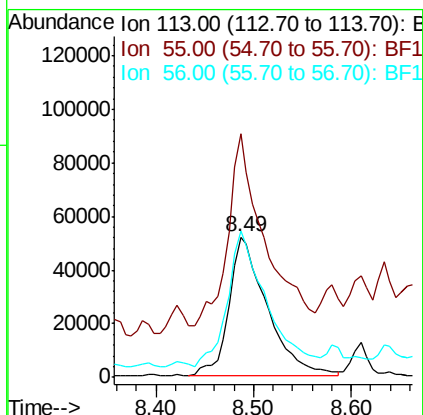
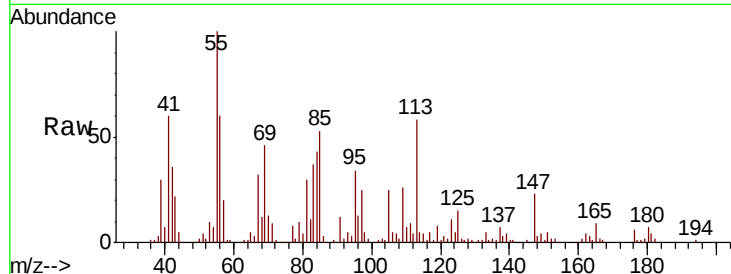




#35
 Caprolactam
 Concen: 49.763 ng
 RT: 8.49 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: BF119081.D
 Acq: 25 Feb 2020 23:13

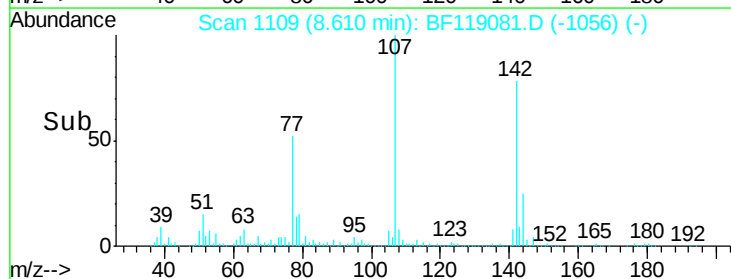
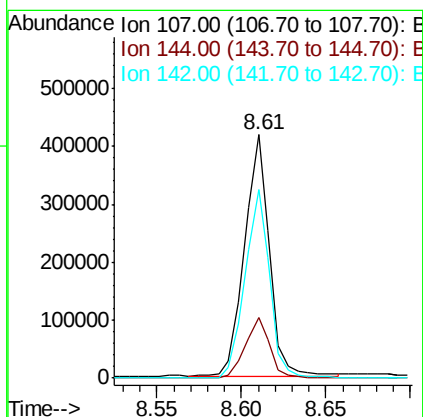
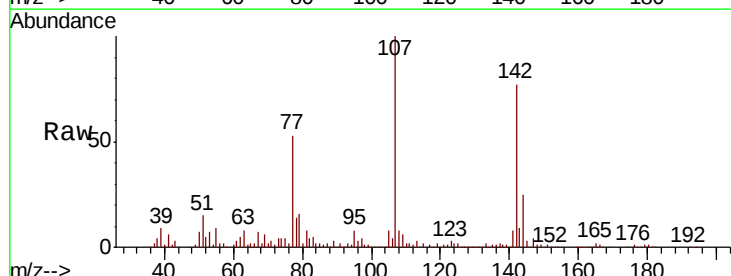
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

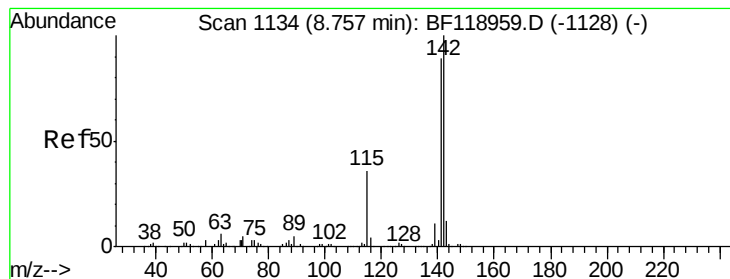
Tot Ion:113 Resp: 142517
 Ion Ratio Lower Upper
 113 100
 55 173.4 90.8 130.8#
 56 104.2 70.0 110.0



#36
 4-Chloro-3-methylphenol
 Concen: 45.136 ng
 RT: 8.61 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: BF119081.D
 Acq: 25 Feb 2020 23:13

Tgt Ion:107 Resp: 424873
 Ion Ratio Lower Upper
 107 100
 144 24.7 19.8 29.8
 142 77.2 61.3 91.9





#37

2-Methylnaphthalene

Concen: 42.495 ng

RT: 8.75 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

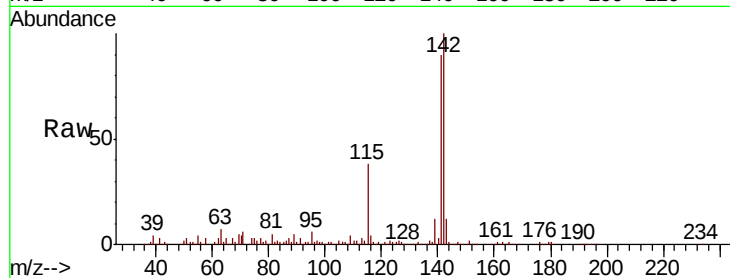
Tot Ion:142 Resp: 870041

Ion Ratio Lower Upper

142 100

141 89.9 71.0 106.4

115 37.6 28.6 42.8

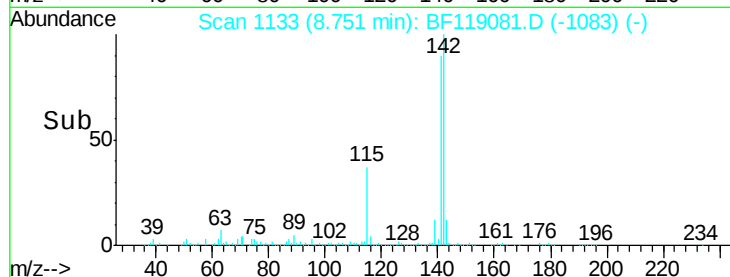


Abundance Ion 142.00 (141.70 to 142.70): E

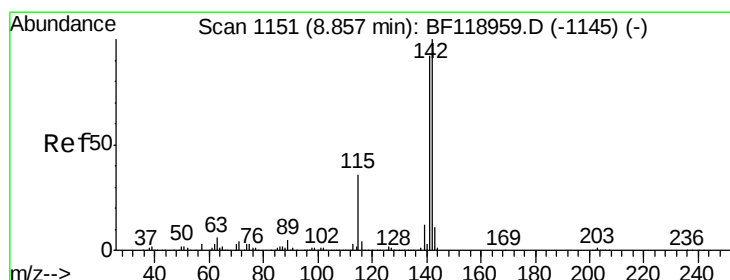
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

8.75



Time-->



#38

1-Methylnaphthalene

Concen: 41.451 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

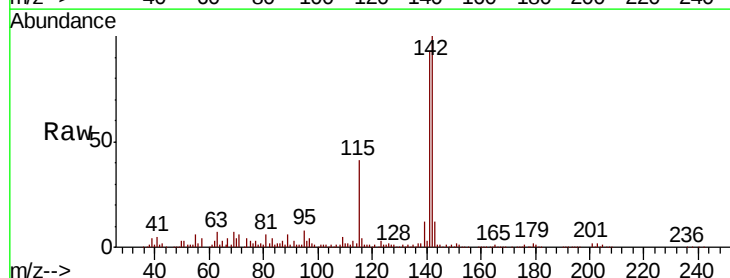
Tgt Ion:142 Resp: 798137

Ion Ratio Lower Upper

142 100

141 93.0 73.7 110.5

116 4.5 3.0 4.6

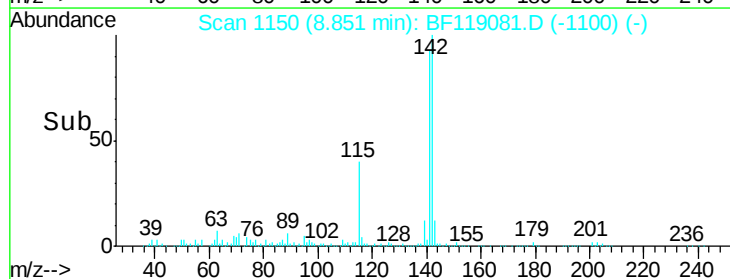


Abundance Ion 142.00 (141.70 to 142.70): E

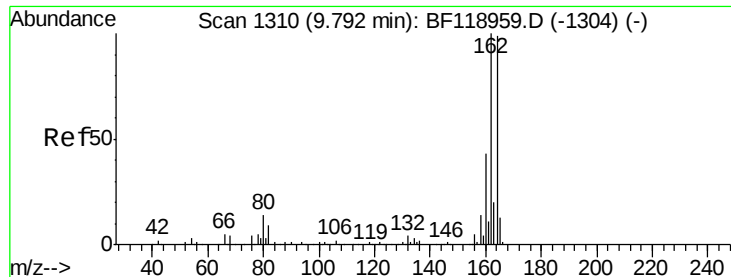
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

8.85



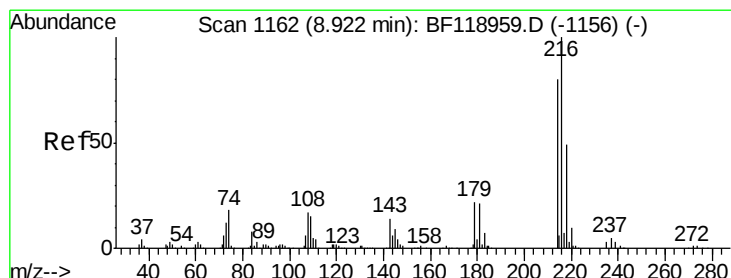
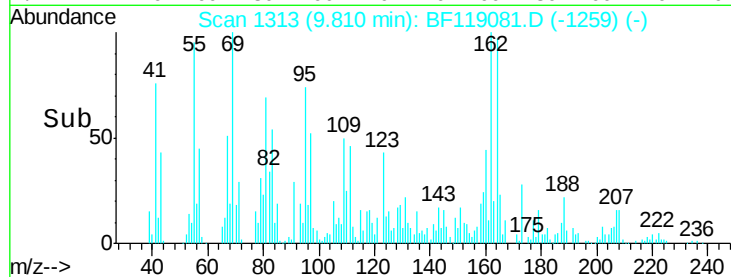
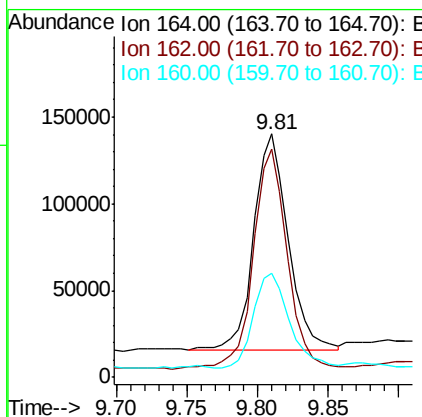
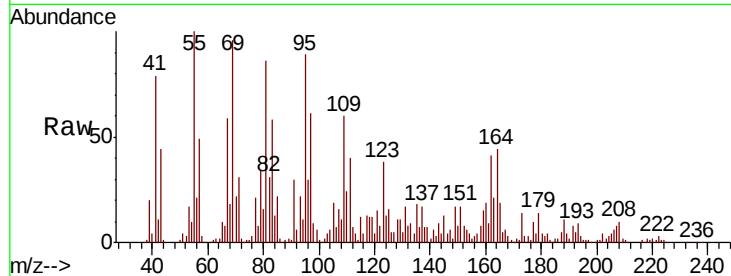
Time-->



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.02 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

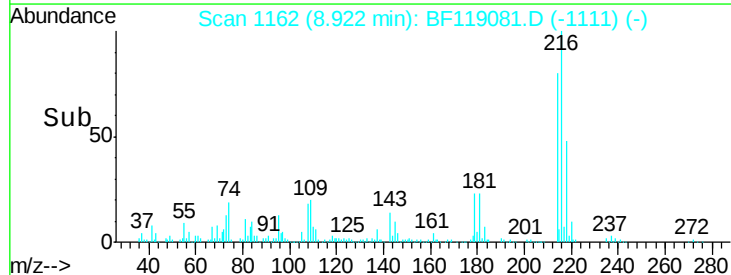
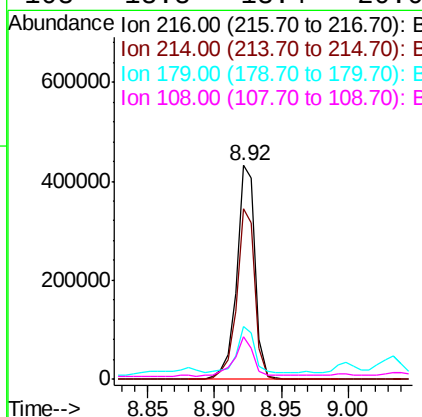
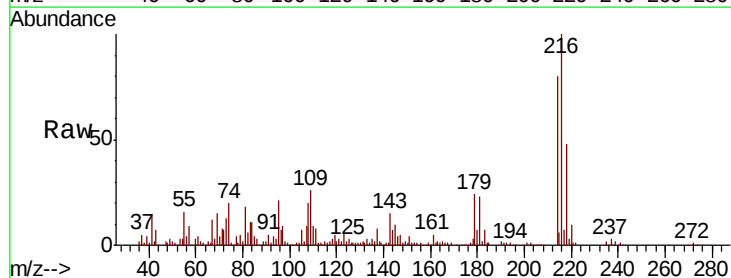
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:164 Resp: 211862
Ion Ratio Lower Upper
164 100
162 94.0 81.2 121.8
160 42.5 35.2 52.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 58.184 ng
RT: 8.92 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion:216 Resp: 415616
Ion Ratio Lower Upper
216 100
214 78.6 63.1 94.7
179 22.3 17.2 25.8
108 18.8 13.4 20.0





#41

Hexachlorocyclopentadiene

Concen: 99.934 ng

RT: 8.91 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

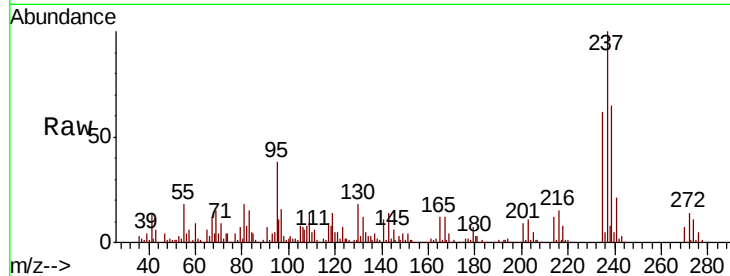
Tot Ion:237 Resp: 266731

Ion Ratio Lower Upper

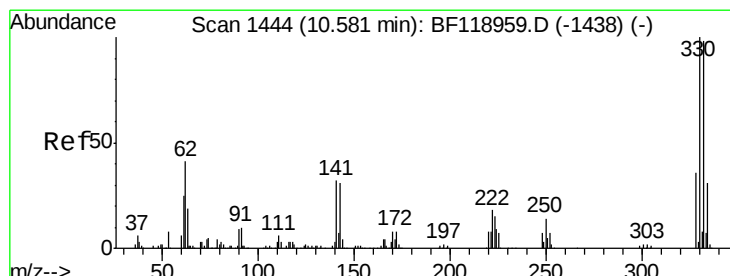
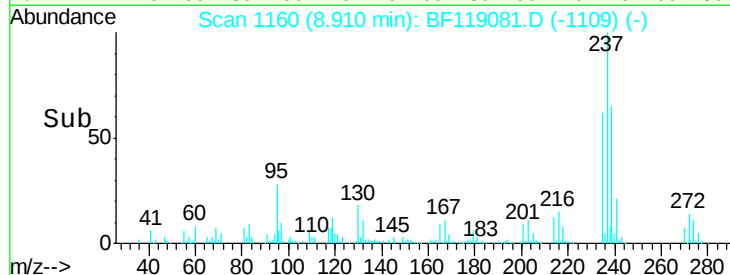
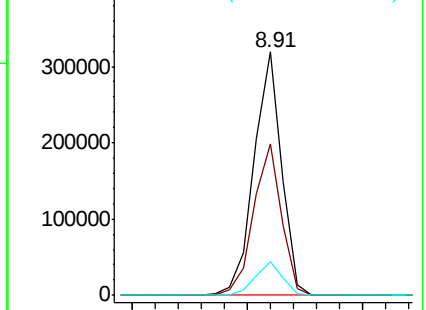
237 100

235 62.1 39.4 79.4

272 14.1 0.0 32.6



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: 122.879 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.03 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

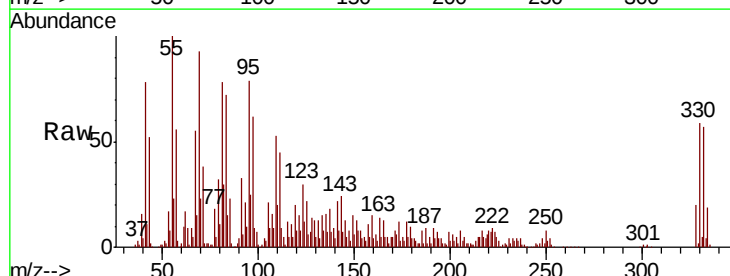
Tgt Ion:330 Resp: 340562

Ion Ratio Lower Upper

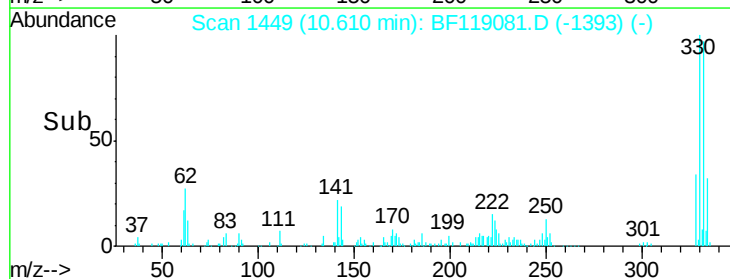
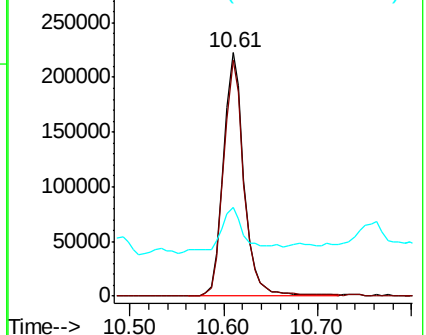
330 100

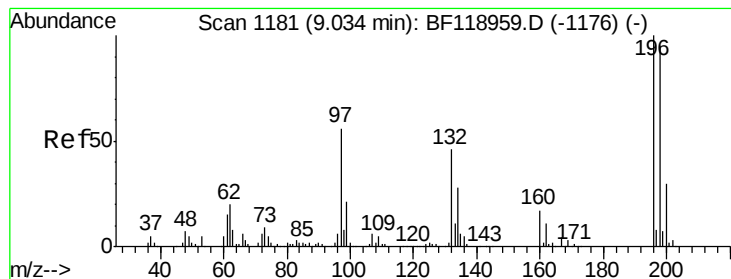
332 96.4 77.1 115.7

141 20.0 23.0 34.6#



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: 58.931 ng

RT: 9.04 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

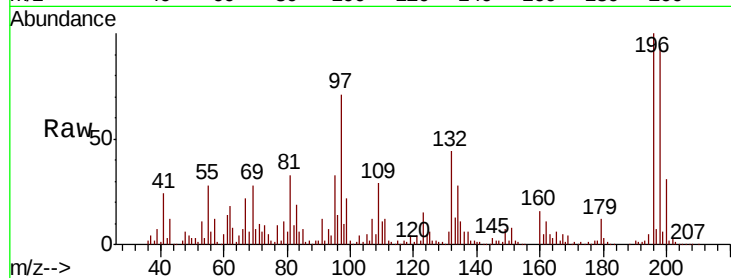
Tot Ion:196 Resp: 265829

Ion Ratio Lower Upper

196 100

198 94.3 75.8 113.6

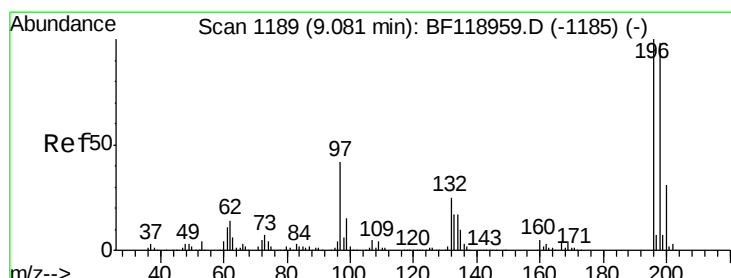
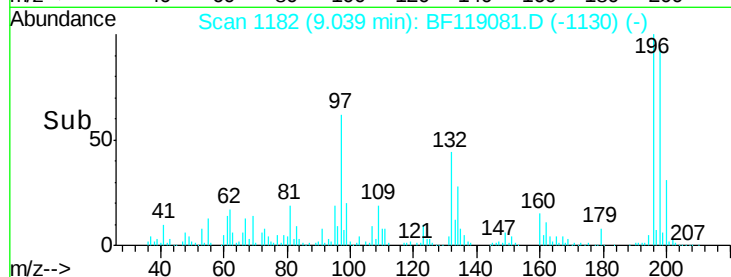
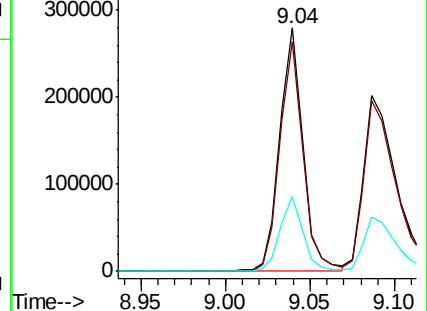
200 30.6 24.1 36.1



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 57.241 ng

RT: 9.09 min Scan# 1190

Delta R.T. 0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Tgt Ion:196 Resp: 270950

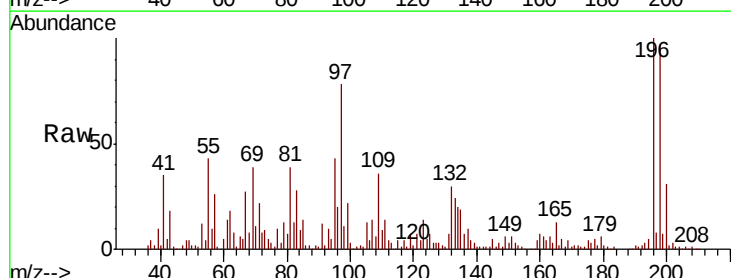
Ion Ratio Lower Upper

196 100

198 97.0 78.4 117.6

97 78.4 33.4 50.0#

132 29.5 20.6 30.8

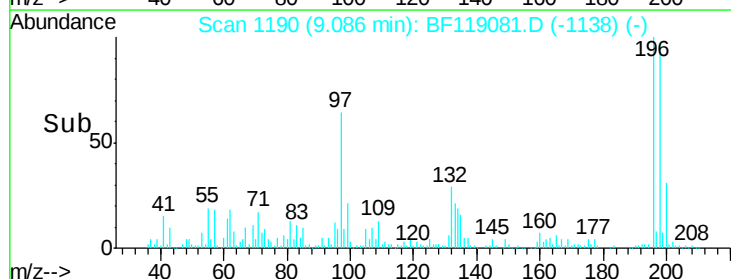
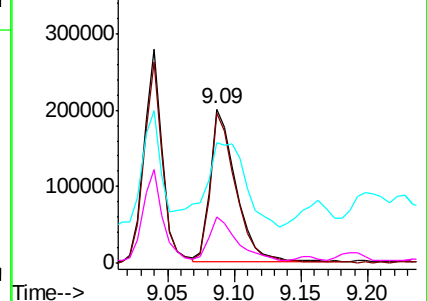


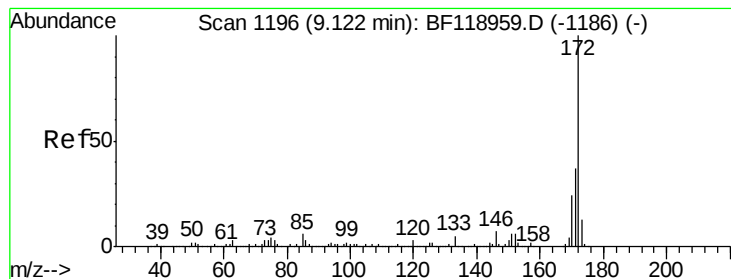
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





#45

2-Fluorobiphenyl

Concen: 99.240 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

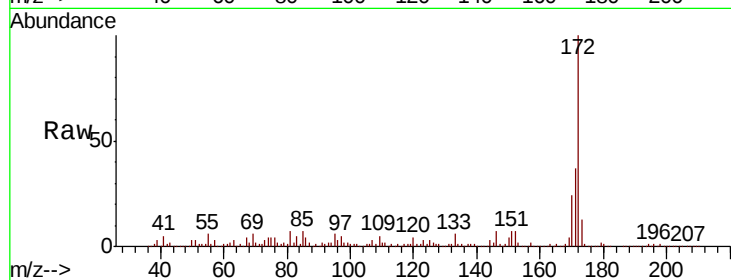
BNA_F

ClientSampleId :

72-11991MSD

Tot Ion:172 Resp: 1427200

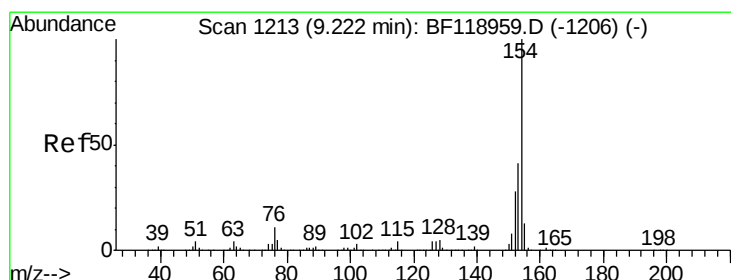
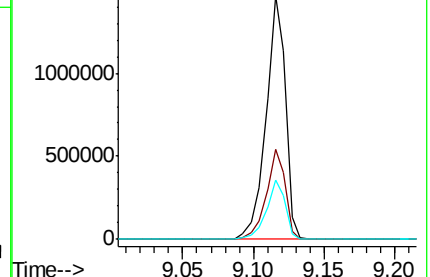
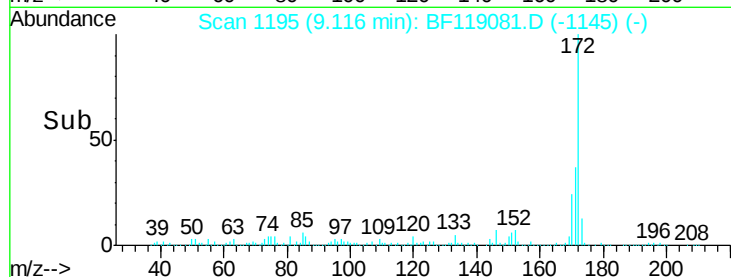
Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.2
170	24.4	19.6	29.4



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: 54.639 ng

RT: 9.22 min Scan# 1213

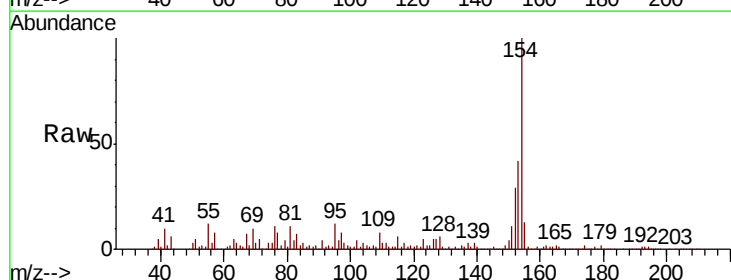
Delta R.T. 0.00 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Tgt Ion:154 Resp: 935576

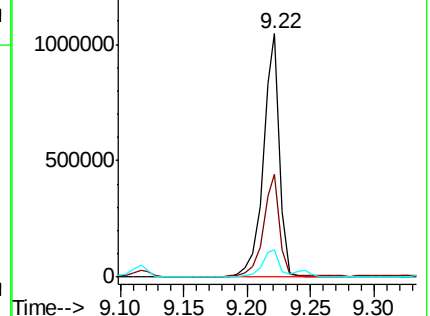
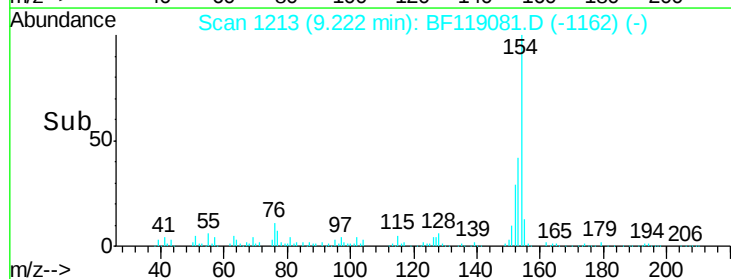
Ion	Ratio	Lower	Upper
154	100		
153	42.2	21.2	61.2
76	11.0	0.0	31.1

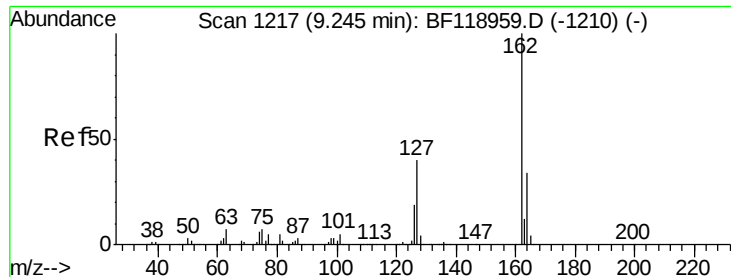


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

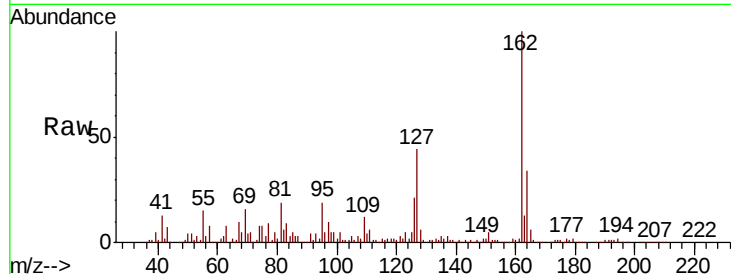




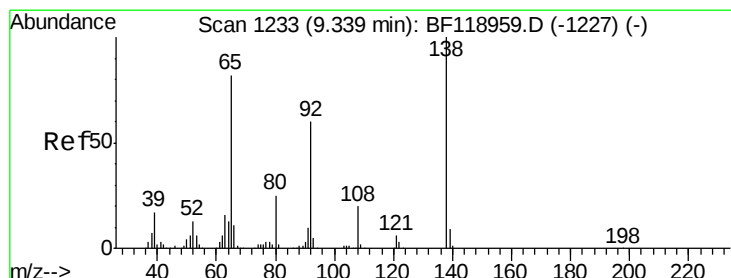
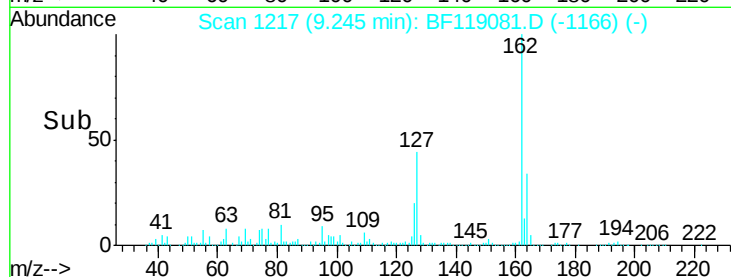
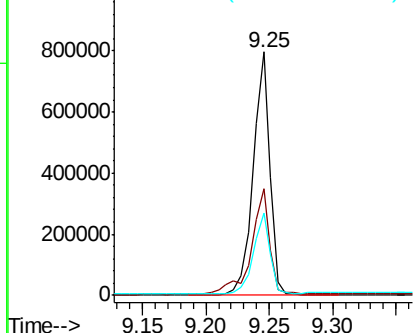
#47
2-Chloronaphthalene
Concen: 53.576 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	43.7	31.9	47.9
164	33.9	26.8	40.2

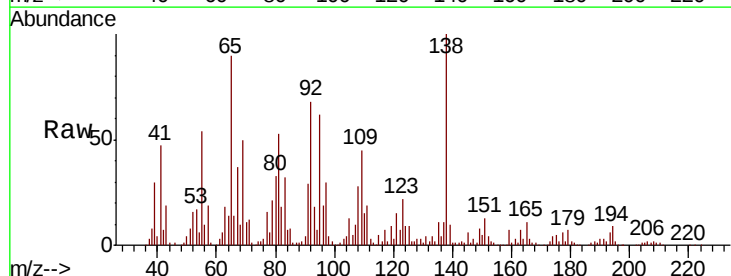


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

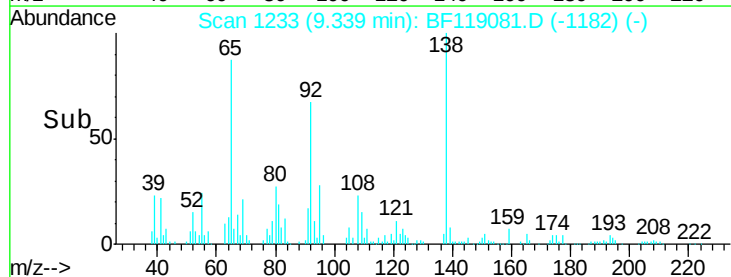
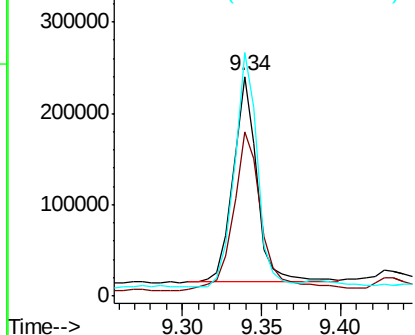


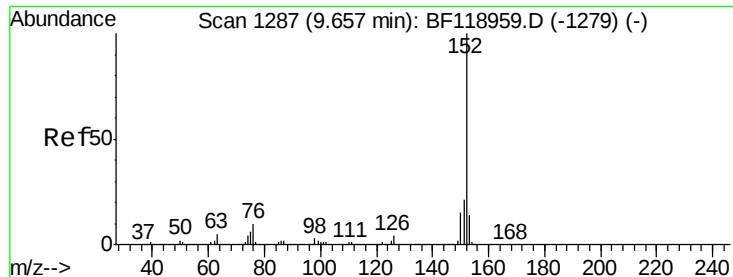
#48
2-Nitroaniline
Concen: 60.835 ng
RT: 9.34 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.1	58.6	87.8
138	111.0	97.5	146.3



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: 50.769 ng

RT: 9.66 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

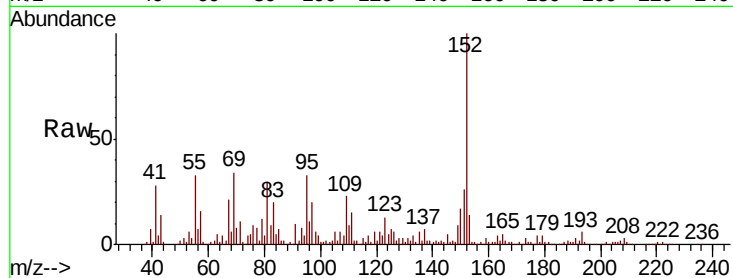
Tot Ion:152 Resp: 1011781

Ion Ratio Lower Upper

152 100

151 25.7 16.7 25.1#

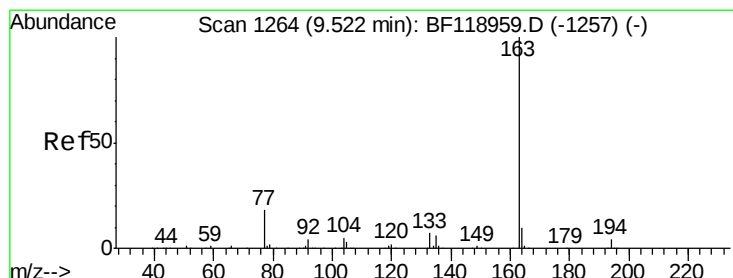
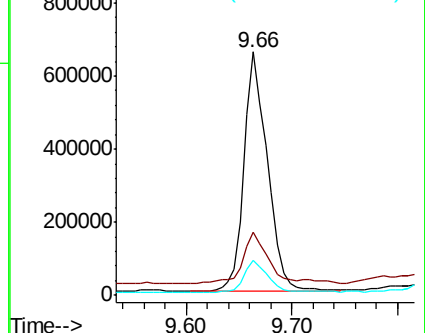
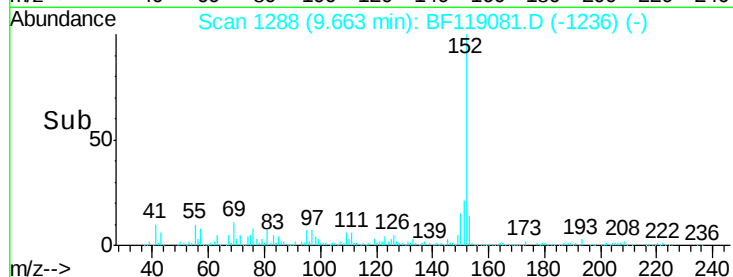
153 14.2 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 56.385 ng

RT: 9.52 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

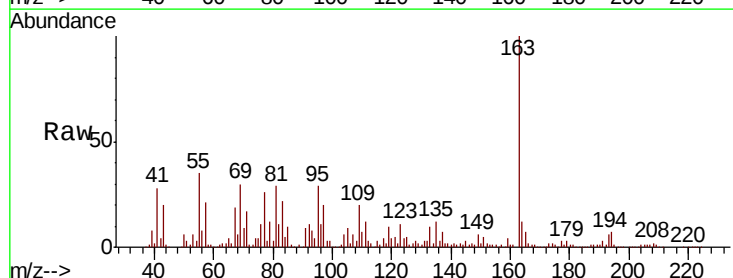
Tgt Ion:163 Resp: 913480

Ion Ratio Lower Upper

163 100

194 6.6 3.4 5.2#

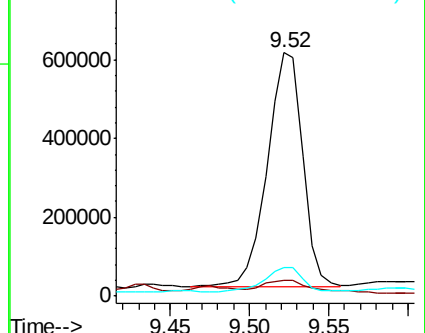
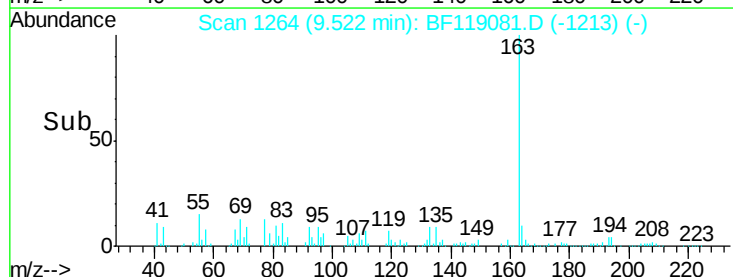
164 11.9 8.2 12.2

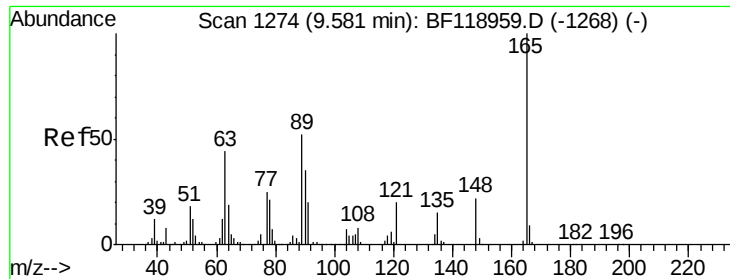


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

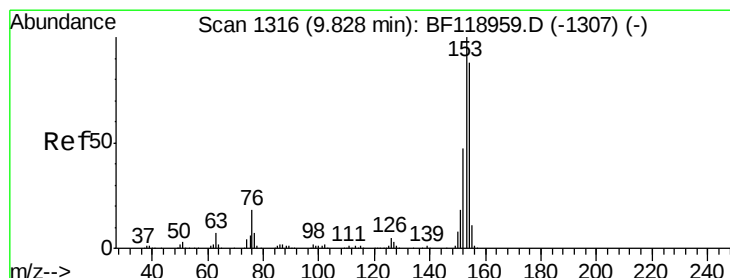
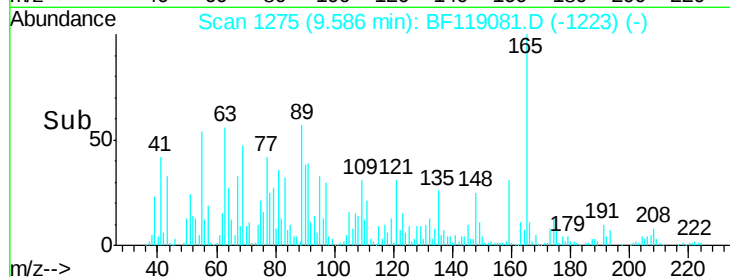
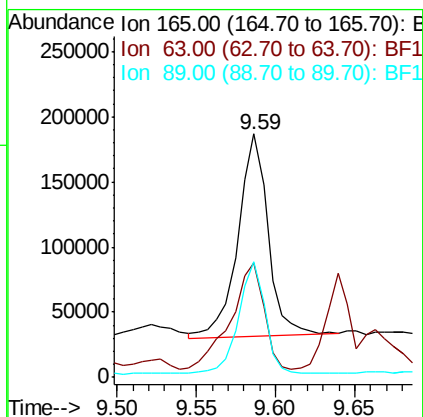
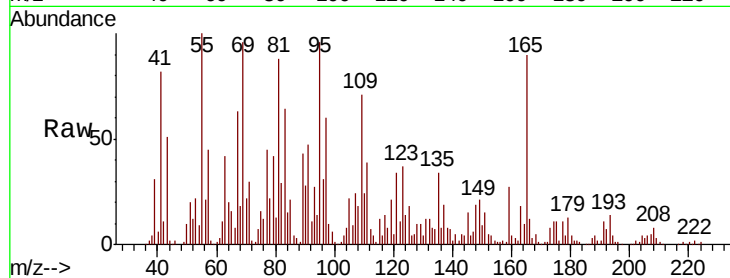




#51
 2,6-Dinitrotoluene
 Concen: 56.773 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. 0.01 min
 Lab File: BF119081.D
 Acq: 25 Feb 2020 23:13

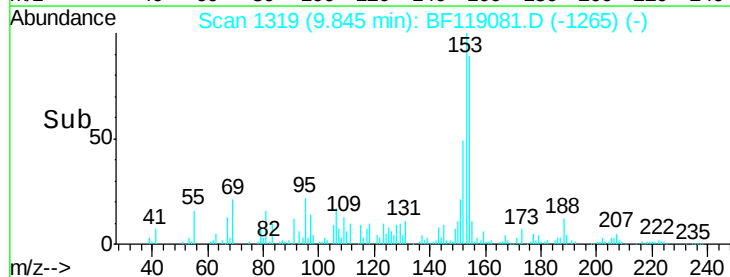
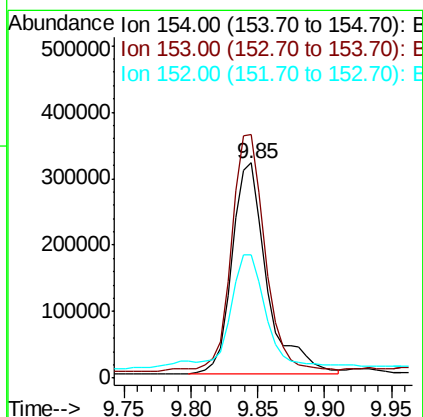
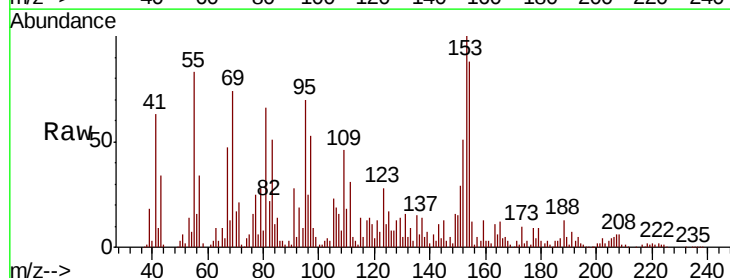
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

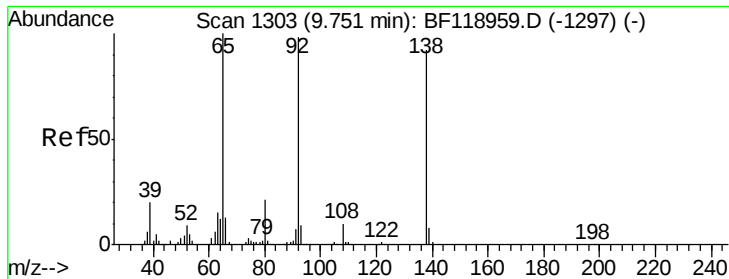
Tot Ion	Ratio	Lower	Upper
165	100		
63	47.1	37.9	56.9
89	47.4	41.4	62.0



#52
 Acenaphthene
 Concen: 48.257 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.02 min
 Lab File: BF119081.D
 Acq: 25 Feb 2020 23:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.4	135.6
152	57.5	42.9	64.3

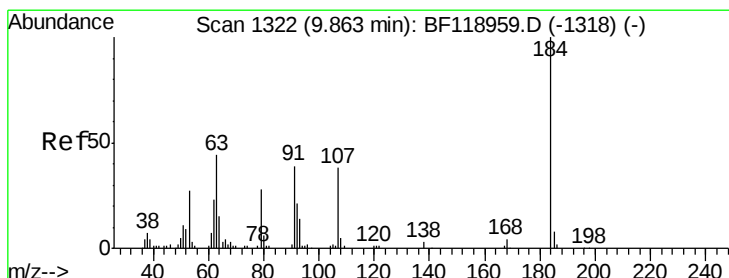
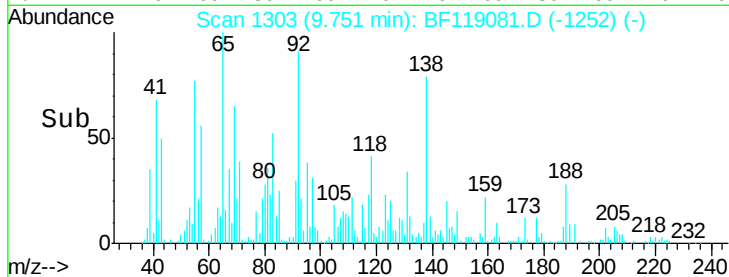
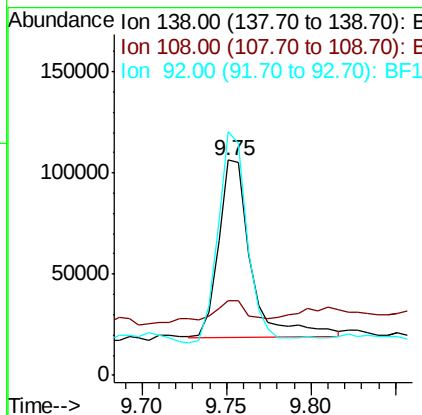
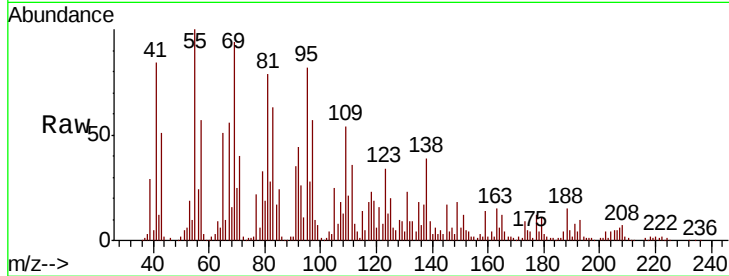




#53
3-Nitroaniline
Concen: 29.247 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

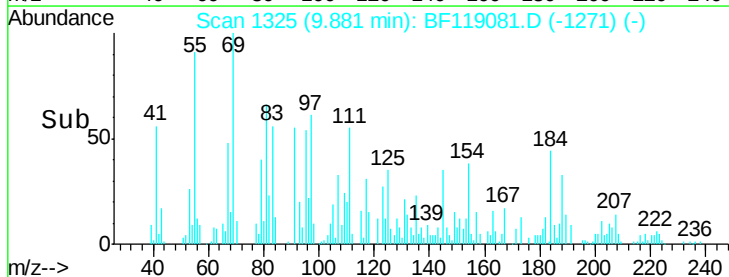
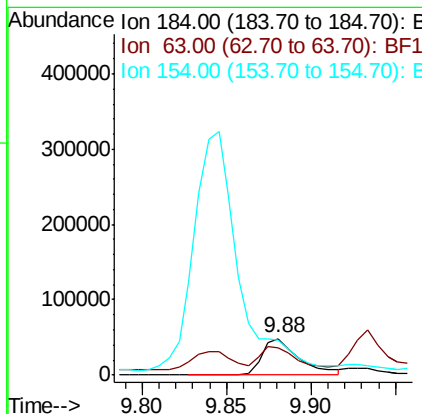
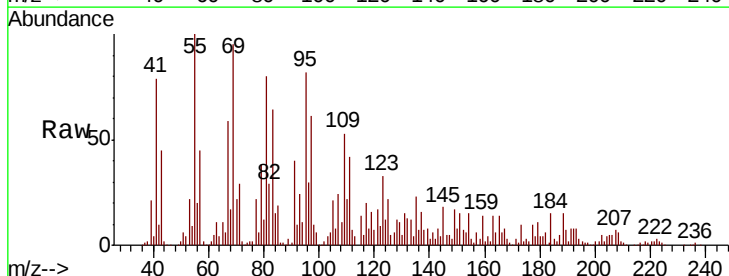
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

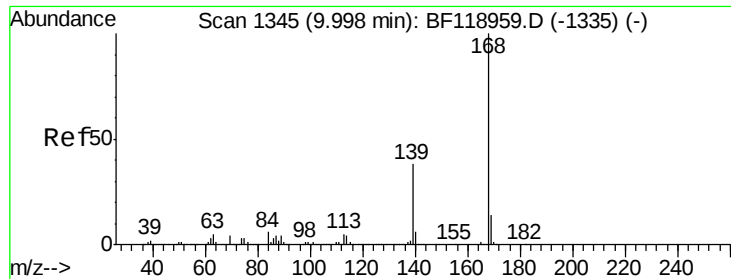
Tot Ion:138 Resp: 116704
Ion Ratio Lower Upper
138 100
108 34.8 8.6 13.0#
92 113.3 84.6 127.0



#54
2,4-Dinitrophenol
Concen: 45.711 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.02 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion:184 Resp: 73782
Ion Ratio Lower Upper
184 100
63 75.7 37.8 56.6#
154 97.3 47.6 71.4#

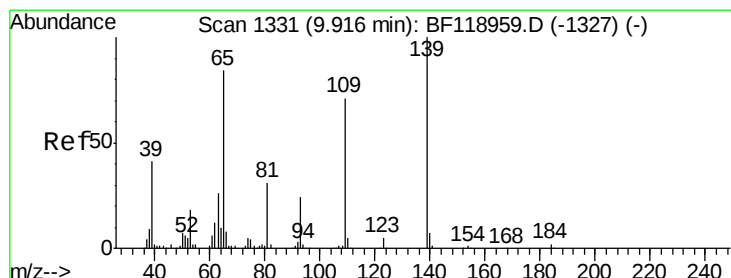
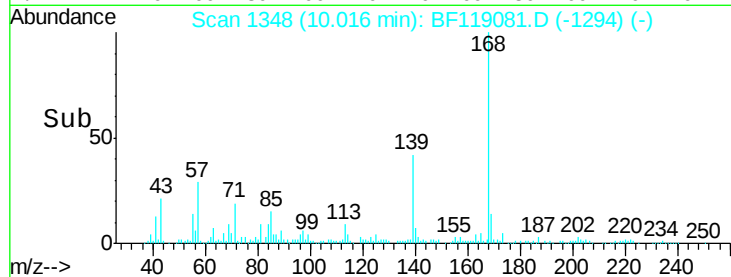
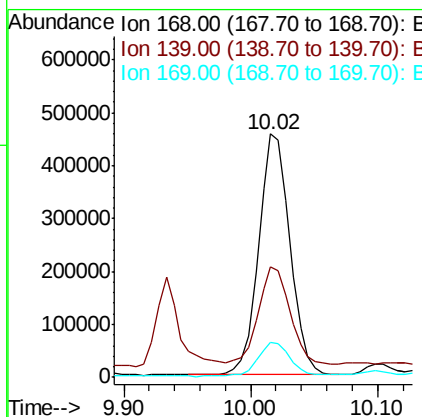
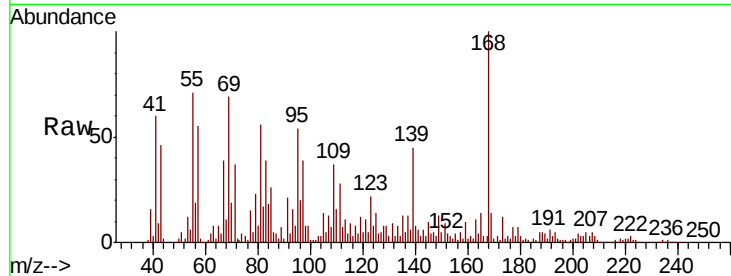




#55
Dibenzofuran
Concen: 43.881 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.02 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

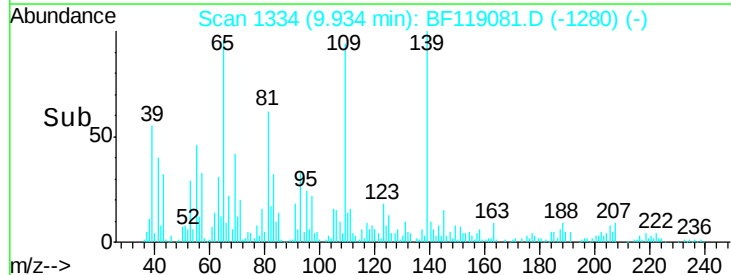
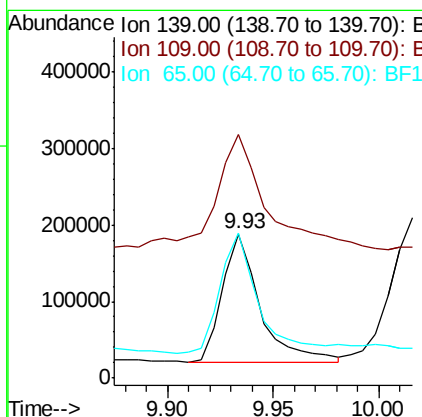
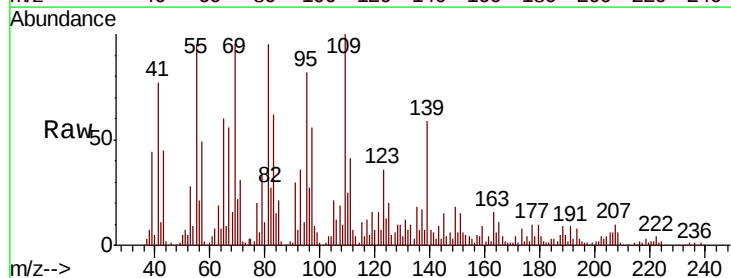
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

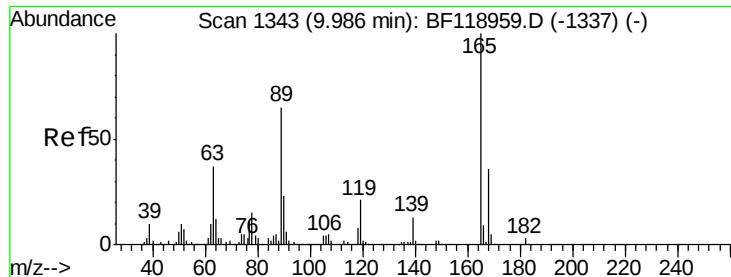
Tot Ion:168 Resp: 787066
Ion Ratio Lower Upper
168 100
139 45.4 31.7 47.5
169 14.3 11.0 16.4



#56
4-Nitrophenol
Concen: 86.527 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.02 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion:139 Resp: 207444
Ion Ratio Lower Upper
139 100
109 168.8 51.1 91.1#
65 101.0 64.7 104.7

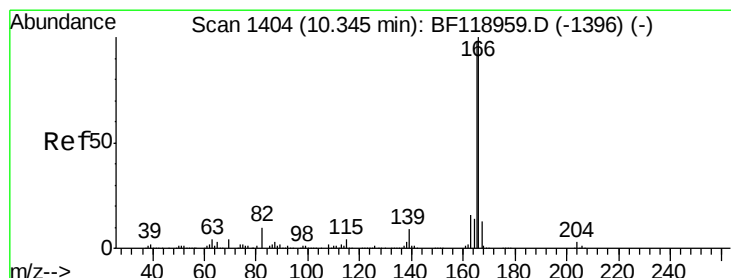
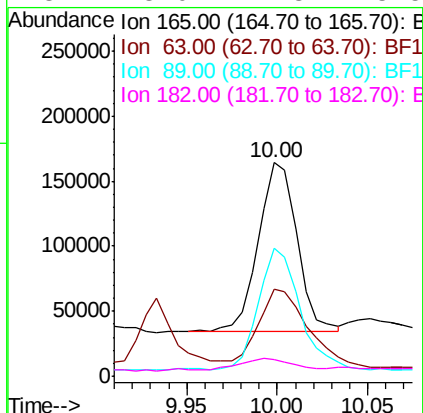
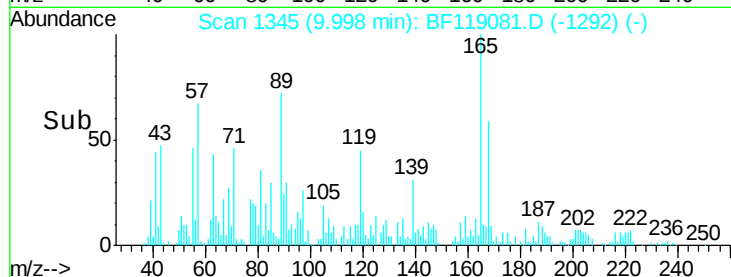
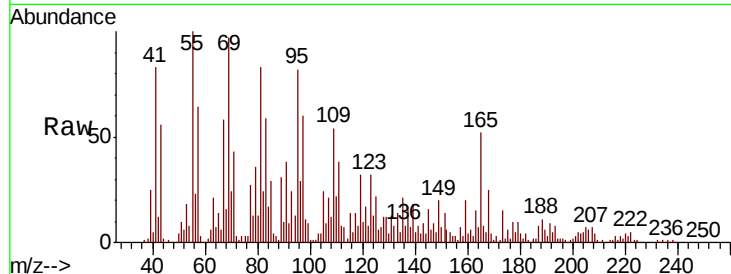




#57
2,4-Dinitrotoluene
Concen: 41.270 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

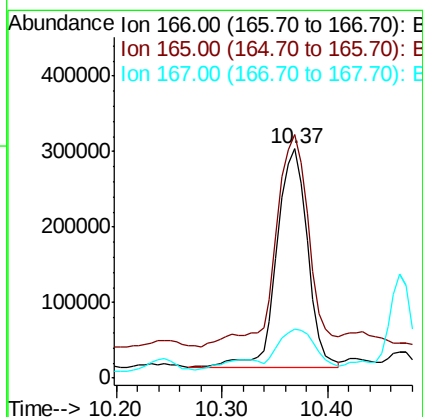
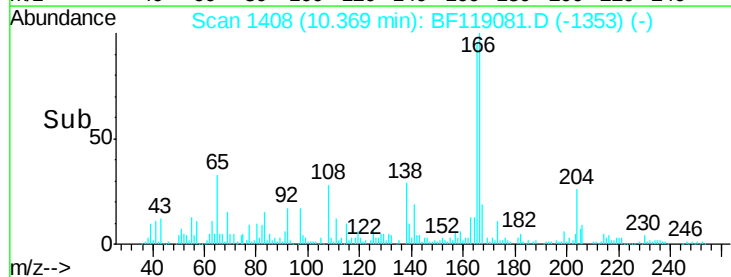
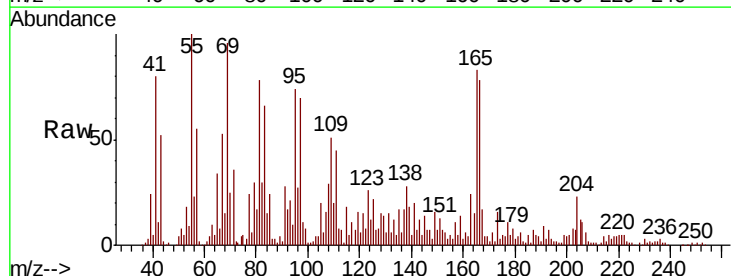
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

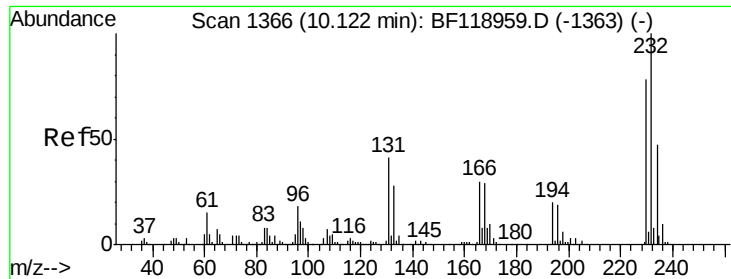
Tot Ion:165 Resp: 192541
Ion Ratio Lower Upper
165 100
63 40.5 29.8 44.8
89 59.7 51.9 77.9
182 8.0 2.3 3.5#



#58
Fluorene
Concen: 41.740 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.02 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion:166 Resp: 581750
Ion Ratio Lower Upper
166 100
165 106.3 78.2 117.4
167 21.4 10.6 16.0#

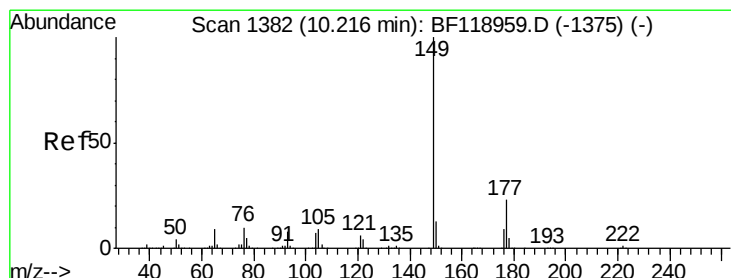
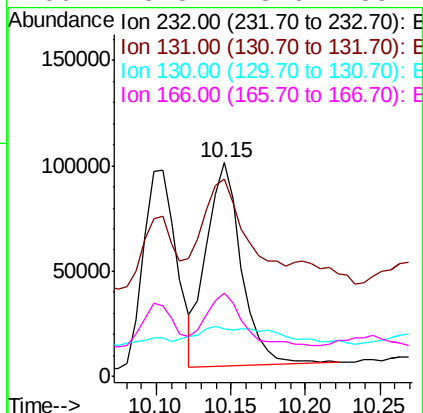
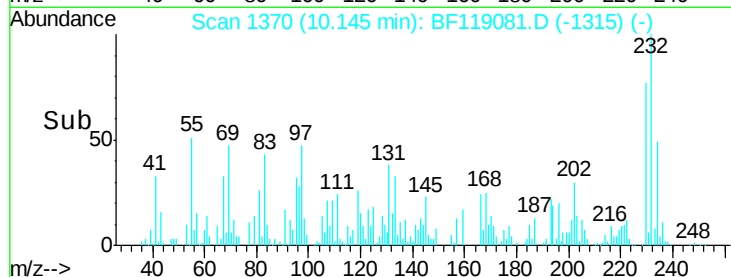
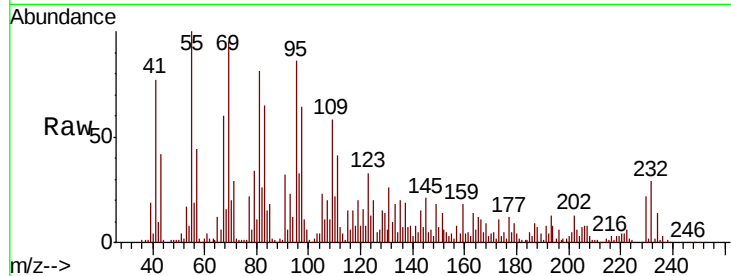




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.650 ng
 RT: 10.15 min Scan# 1370
 Delta R.T. 0.02 min
 Lab File: BF119081.D
 Acq: 25 Feb 2020 23:13

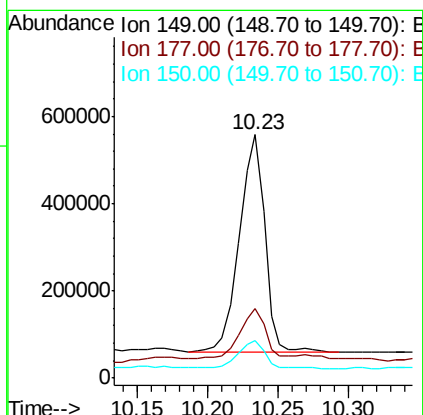
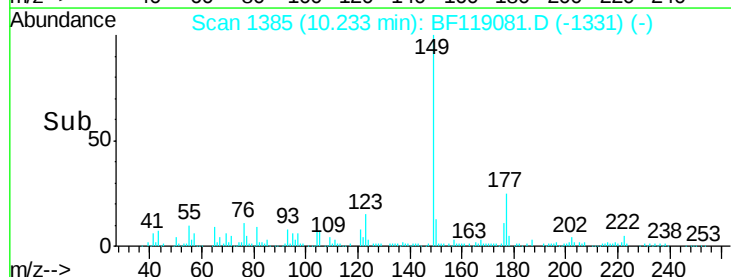
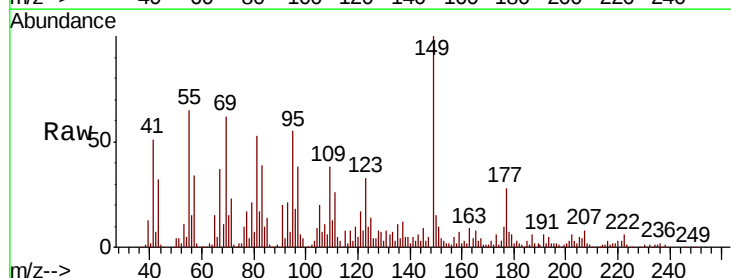
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MSD

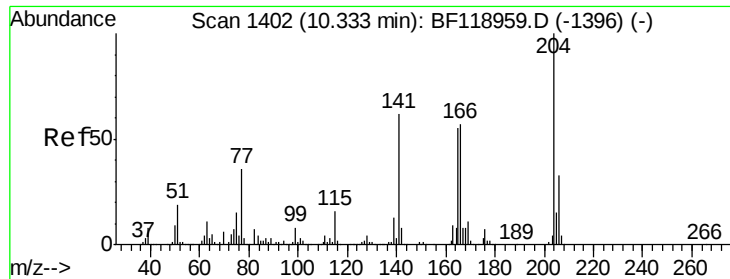
Tot Ion	Ratio	Lower	Upper
232	100		
131	46.8	34.0	51.0
130	20.2	1.6	2.4
166	25.8	23.6	35.4



#60
 Diethylphthalate
 Concen: 41.414 ng
 RT: 10.23 min Scan# 1385
 Delta R.T. 0.02 min
 Lab File: BF119081.D
 Acq: 25 Feb 2020 23:13

Tgt Ion	Ratio	Lower	Upper
149	100		
177	28.3	18.1	27.1
150	15.2	10.4	15.6

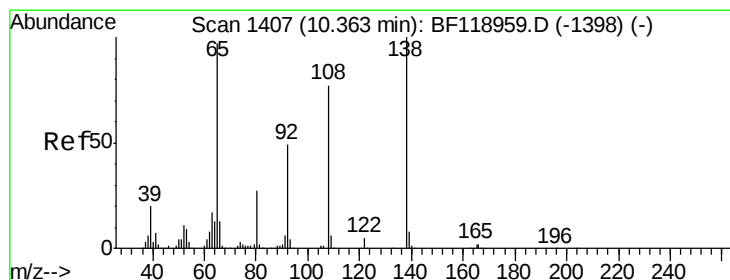
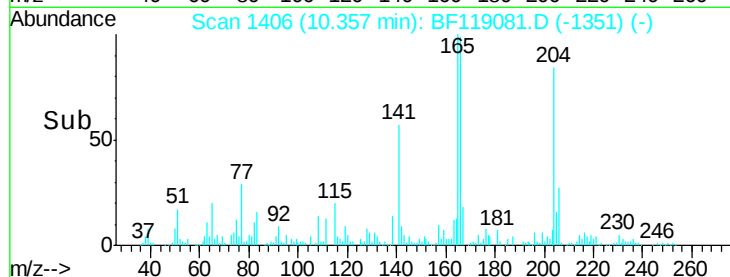
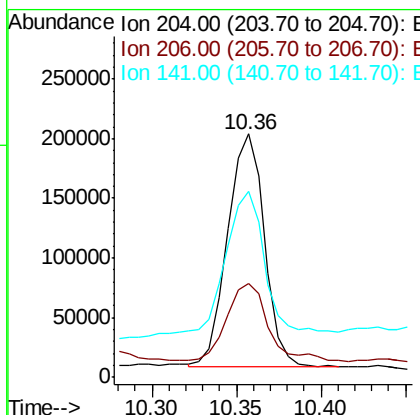
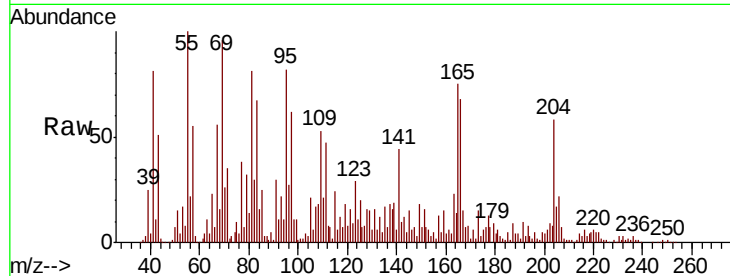




#61
4-Chlorophenyl-phenylether
Concen: 40.264 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

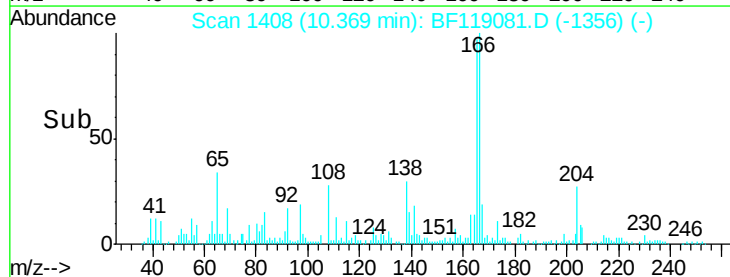
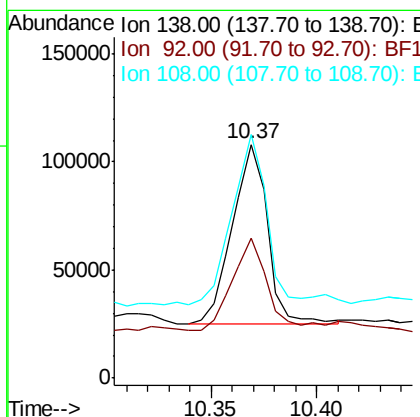
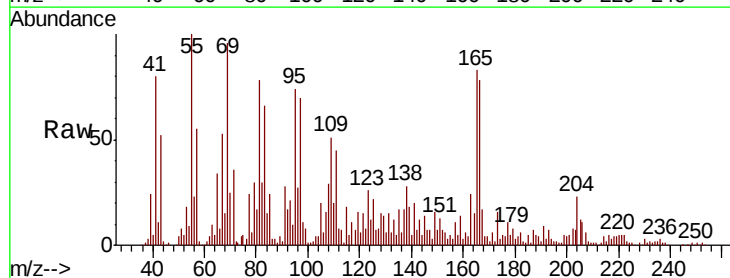
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

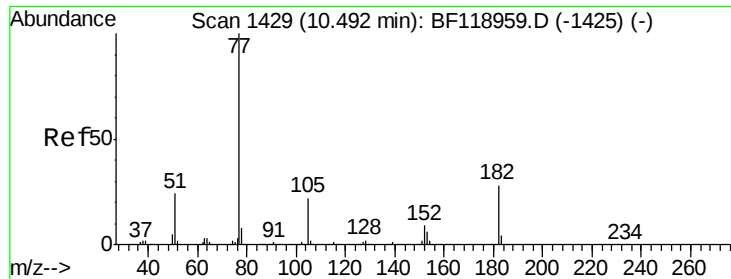
Tot Ion:204 Resp: 297039
Ion Ratio Lower Upper
204 100
206 38.3 26.5 39.7
141 76.3 49.5 74.3#



#62
4-Nitroaniline
Concen: 23.669 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion:138 Resp: 96629
Ion Ratio Lower Upper
138 100
92 59.8 28.7 68.7
108 104.0 56.8 96.8#





#63

Azobenzene

Concen: 37.201 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

Tot Ion: 77 Resp: 493667

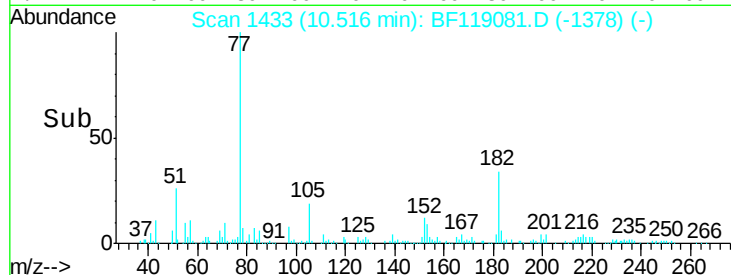
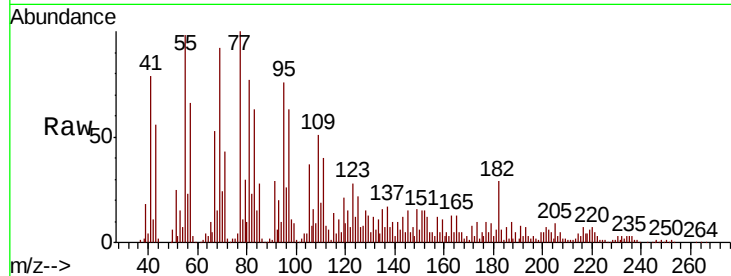
Ion Ratio Lower Upper

77 100

182 28.7 8.2 48.2

105 37.5 2.3 42.3

51 24.5 3.6 43.6

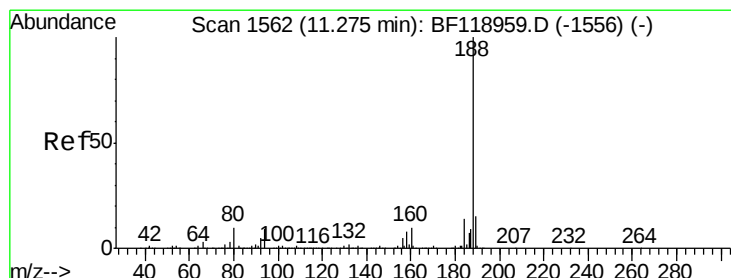
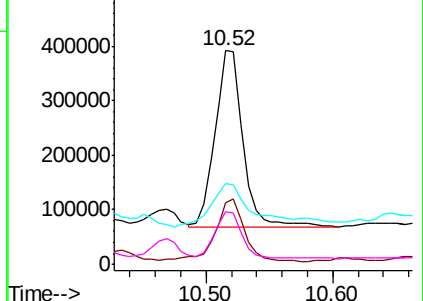


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.31 min Scan# 1568

Delta R.T. 0.04 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

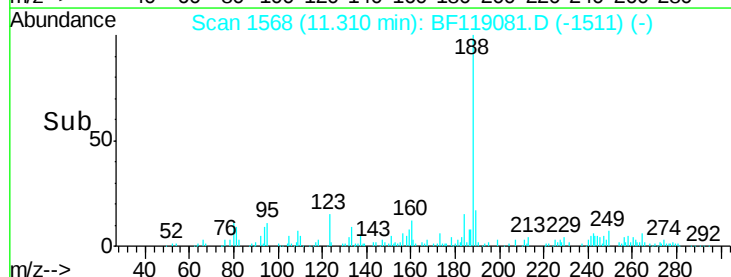
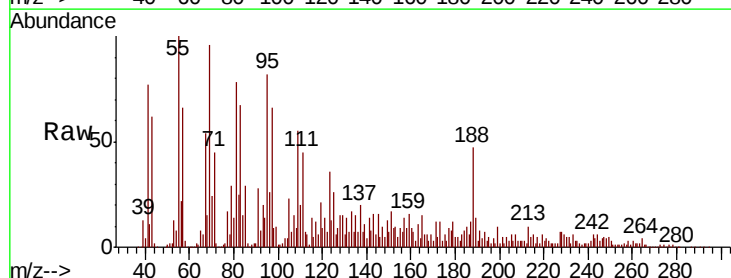
Tgt Ion: 188 Resp: 260543

Ion Ratio Lower Upper

188 100

94 29.6 7.0 10.6#

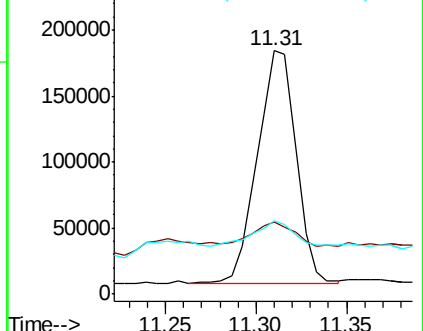
80 30.1 7.9 11.9#

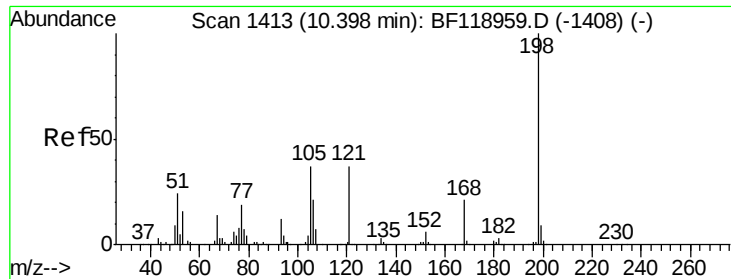


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 32.180 ng

RT: 10.42 min Scan# 1417

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampled :

72-11991MSD

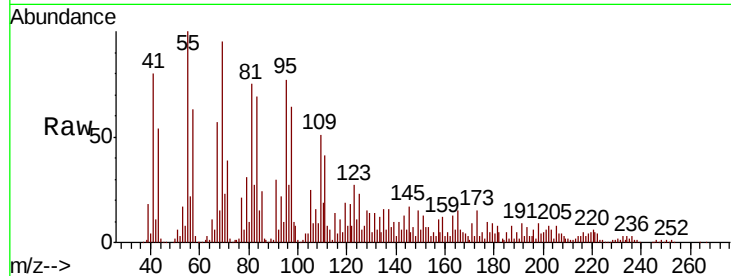
Tot Ion:198 Resp: 50735

Ion Ratio Lower Upper

198 100

51 67.9 7.1 47.1#

105 276.0 18.3 58.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

200000

150000

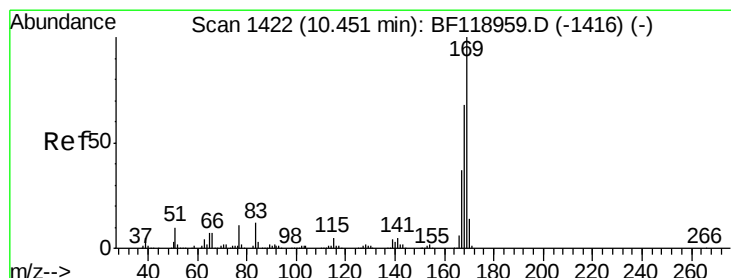
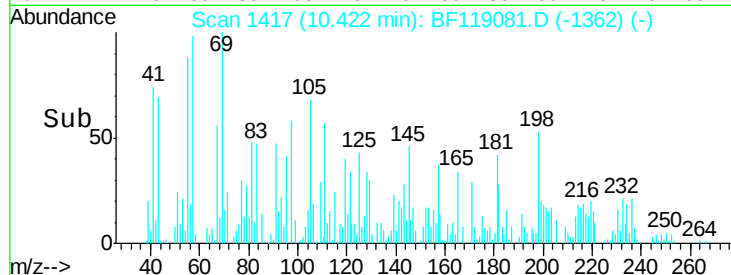
100000

50000

0

10.35 10.40 10.45 10.50

Time-->



#66

n-Nitrosodiphenylamine

Concen: 61.460 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

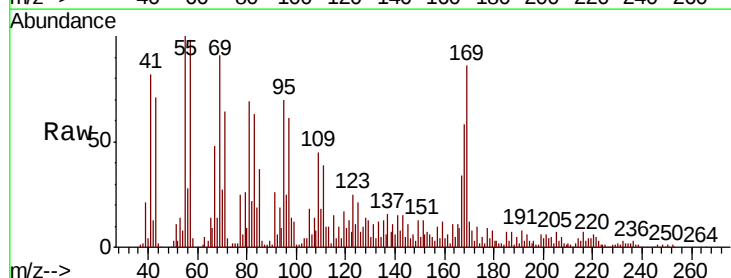
Tgt Ion:169 Resp: 524327

Ion Ratio Lower Upper

169 100

168 67.0 54.2 81.2

167 39.0 29.4 44.2



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

400000

300000

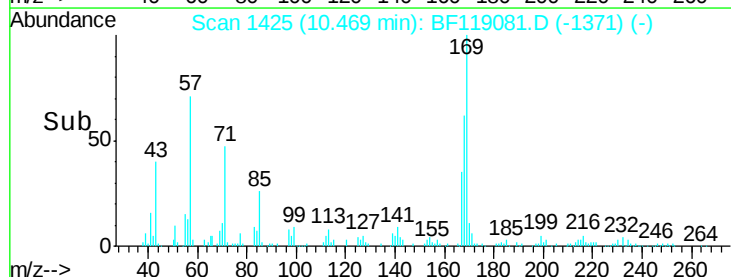
200000

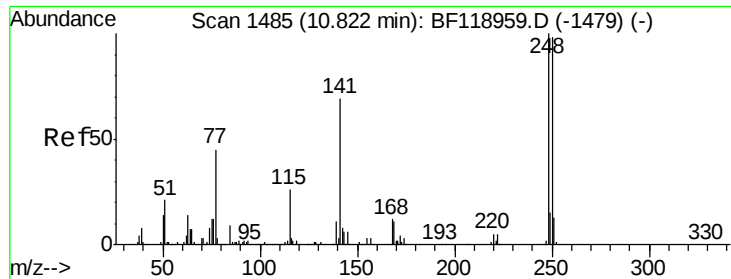
100000

0

10.40 10.45 10.50

Time-->

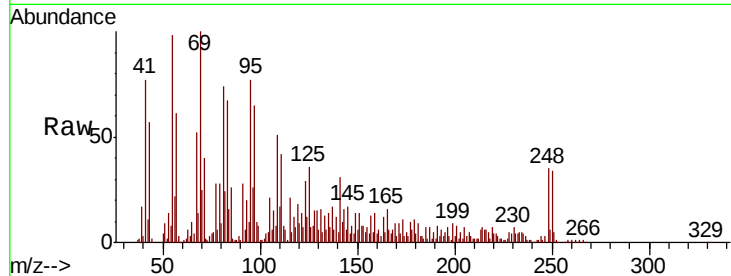




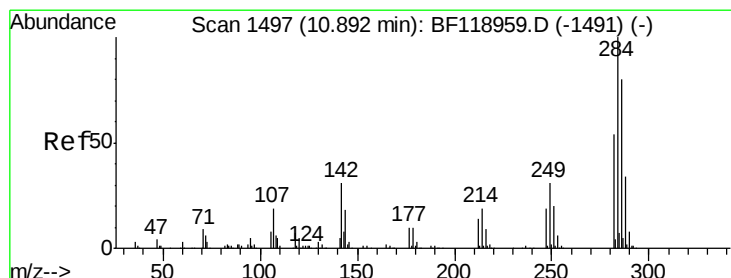
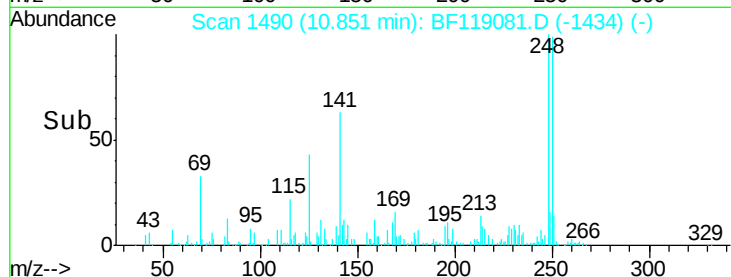
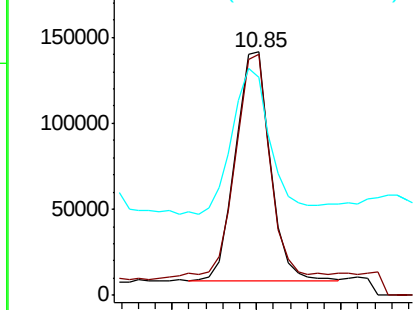
#67
4-Bromophenyl-phenylether
Concen: 56.356 ng
RT: 10.85 min Scan# 1490
Delta R.T. 0.03 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:248 Resp: 191928
Ion Ratio Lower Upper
248 100
250 99.2 78.8 118.2
141 89.5 55.3 82.9#

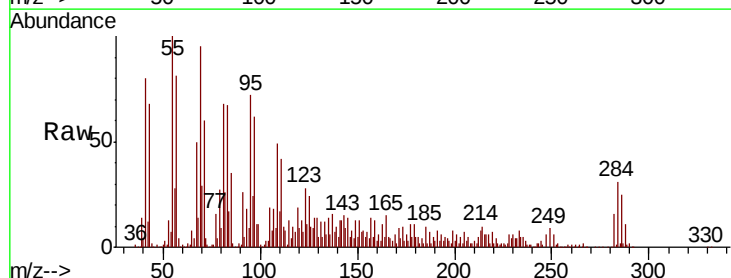


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

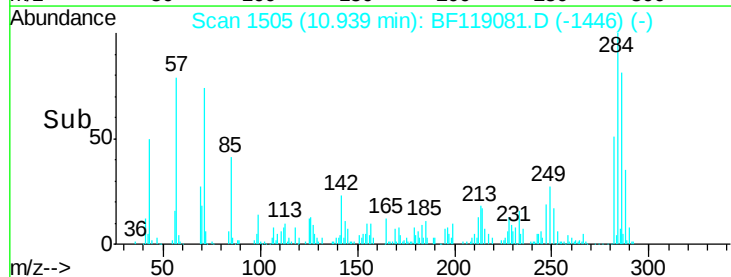
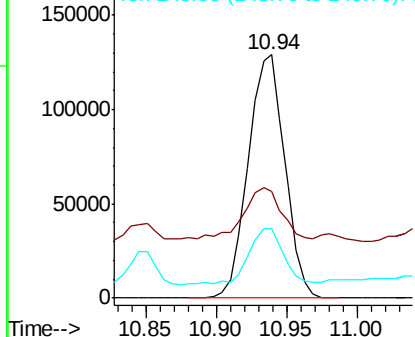


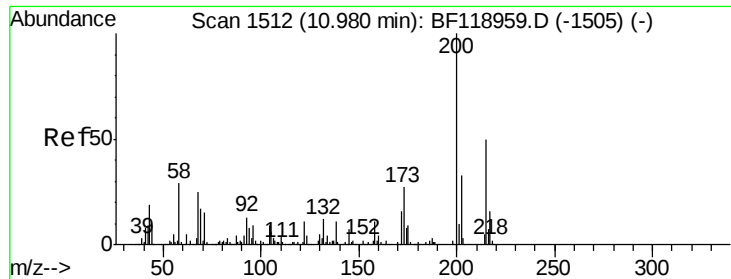
#68
Hexachlorobenzene
Concen: 59.894 ng
RT: 10.94 min Scan# 1505
Delta R.T. 0.05 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion:284 Resp: 235174
Ion Ratio Lower Upper
284 100
142 43.7 25.0 37.6#
249 28.5 25.0 37.4



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

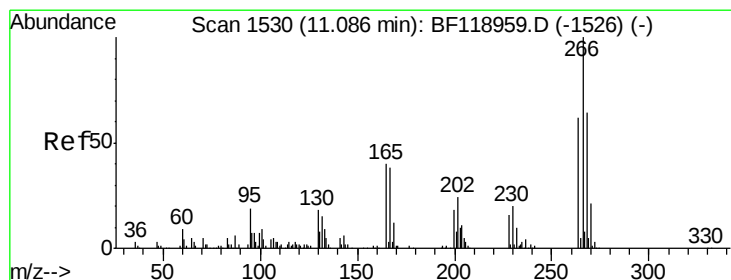
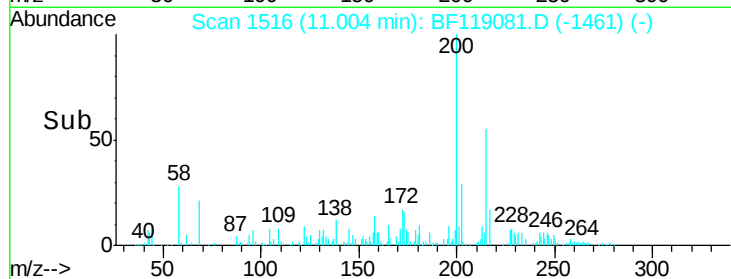
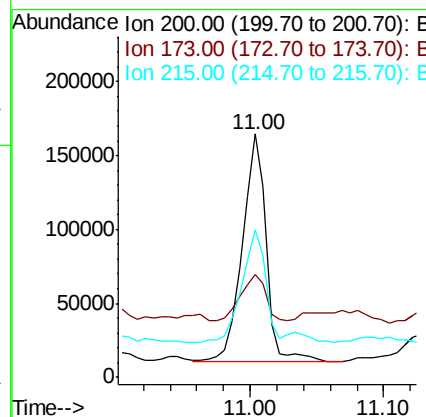
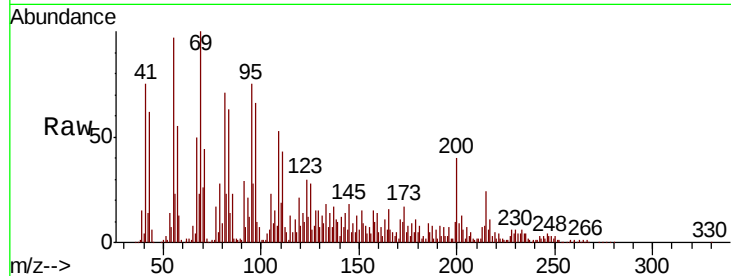




#69
Atrazine
Concen: 64.026 ng
RT: 11.00 min Scan# 1516
Delta R.T. 0.02 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

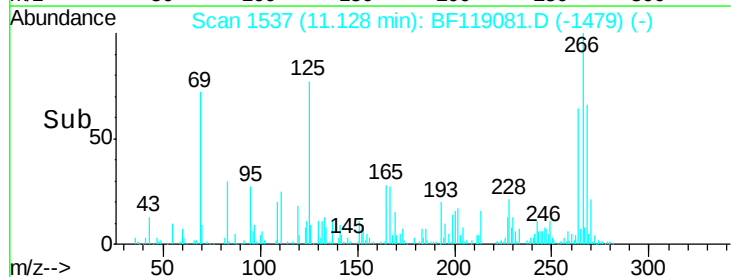
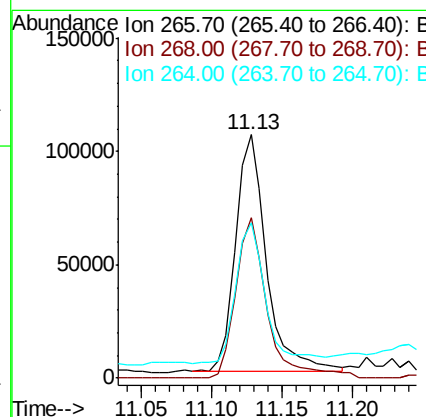
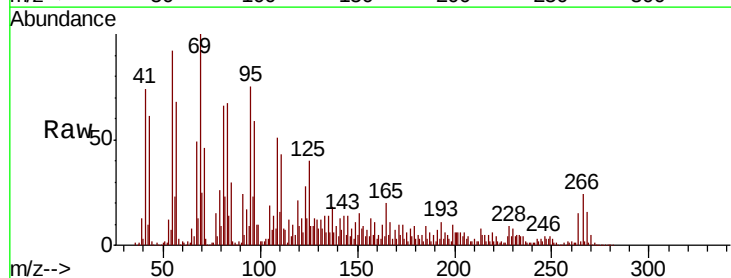
Instrument :
BNA_F
ClientSampleId :
72-11991MSD

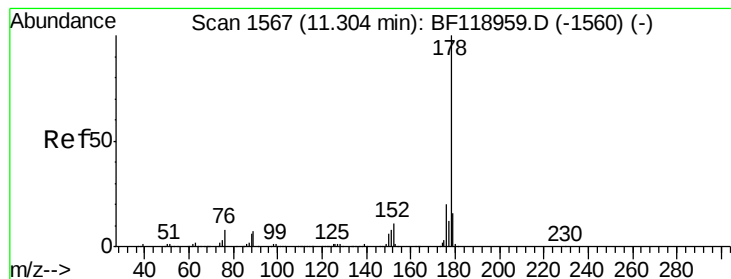
Tot Ion	Ratio	Lower	Upper
200	100		
173	42.3	6.9	46.9
215	60.8	29.7	69.7



#70
Pentachlorophenol
Concen: 100.574 ng
RT: 11.13 min Scan# 1537
Delta R.T. 0.04 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.9	51.4	77.0
264	63.9	49.5	74.3





#71

Phenanthrene

Concen: 48.403 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.04 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

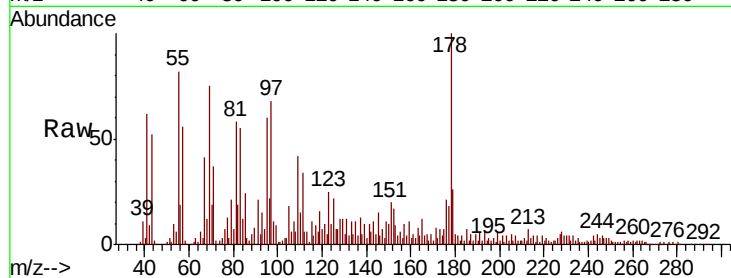
Tot Ion:178 Resp: 687753

Ion Ratio Lower Upper

178 100

176 20.7 15.6 23.4

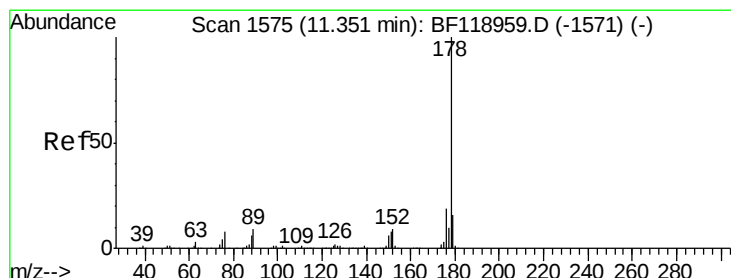
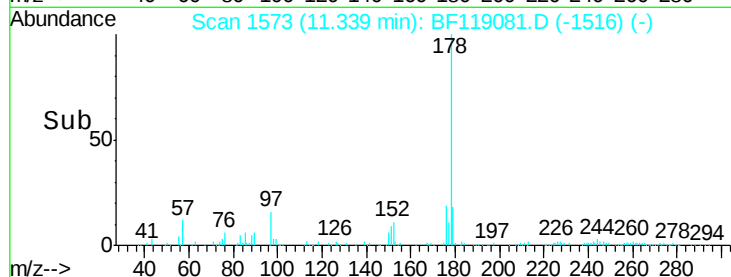
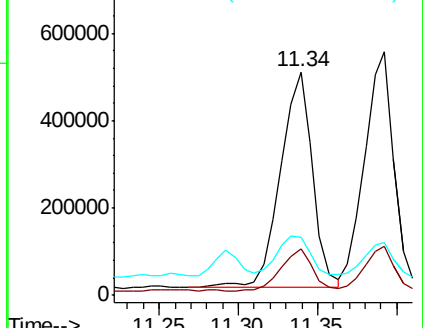
179 25.9 12.6 18.8#



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: 48.218 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.04 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

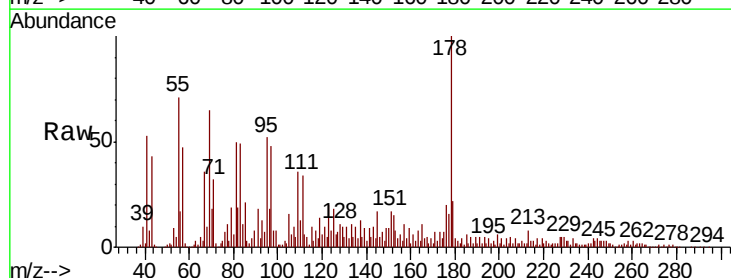
Tgt Ion:178 Resp: 684550

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.2

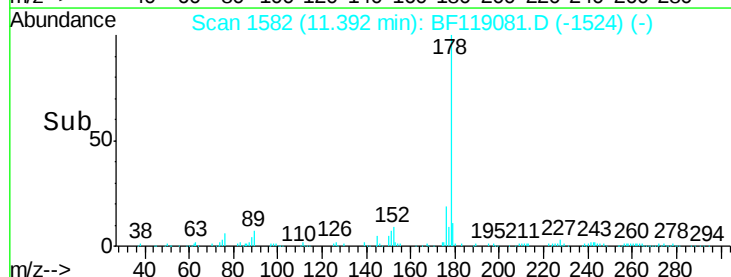
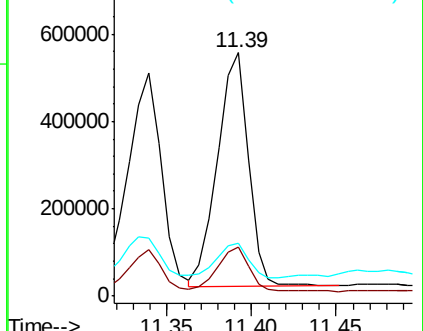
179 21.9 12.8 19.2#

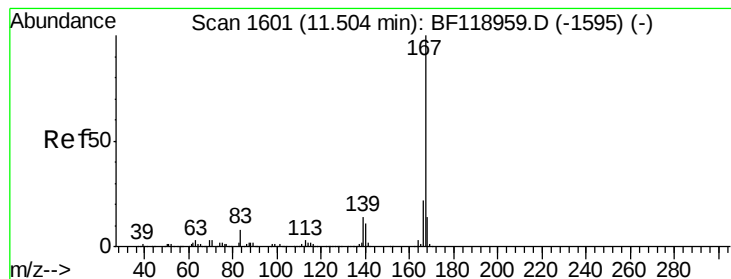


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 46.028 ng

RT: 11.53 min Scan# 1606

Delta R.T. 0.03 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

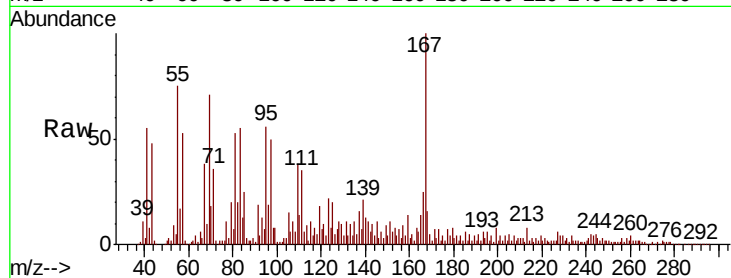
Tot Ion:167 Resp: 582152

Ion Ratio Lower Upper

167 100

166 25.2 17.8 26.6

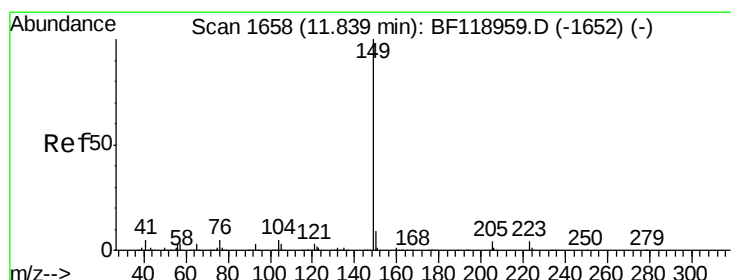
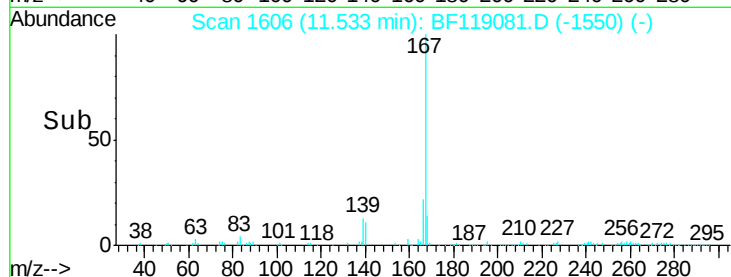
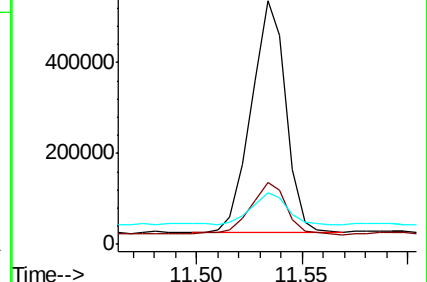
139 21.4 11.2 16.8#



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: 48.160 ng

RT: 11.86 min Scan# 1662

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

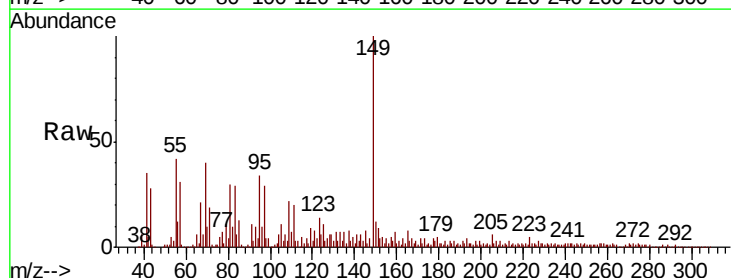
Tgt Ion:149 Resp: 737634

Ion Ratio Lower Upper

149 100

150 11.8 7.5 11.3#

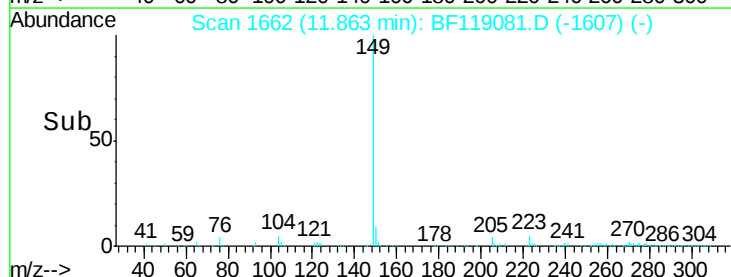
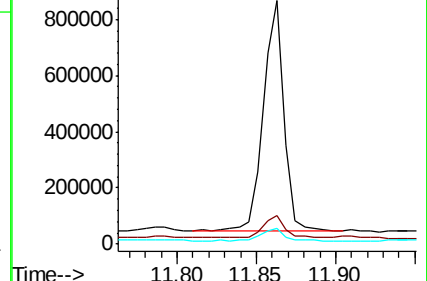
104 6.3 4.0 6.0#

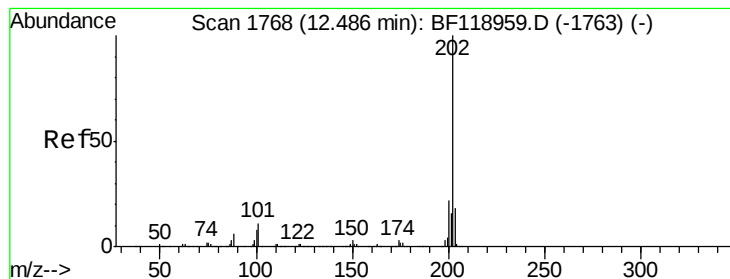


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 48.414 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.04 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

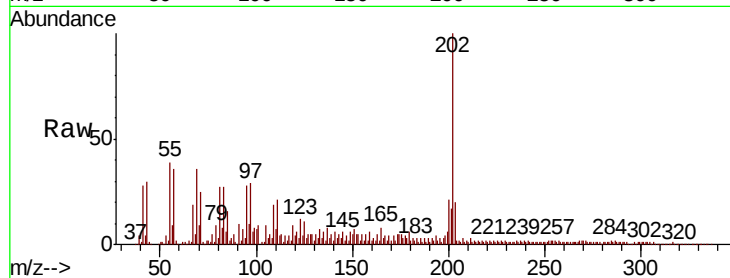
Tot Ion:202 Resp: 730182

Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.1

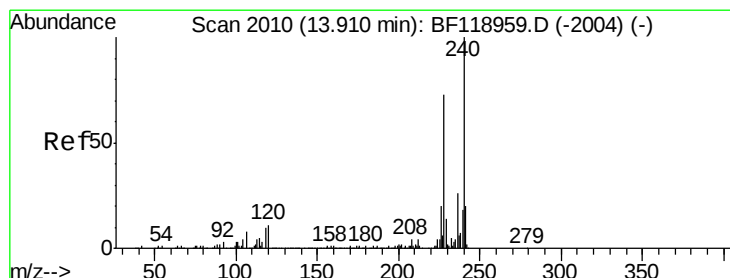
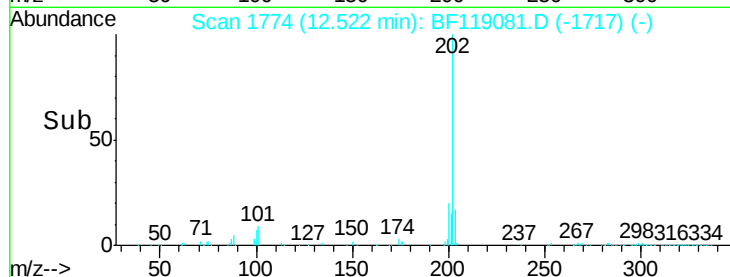
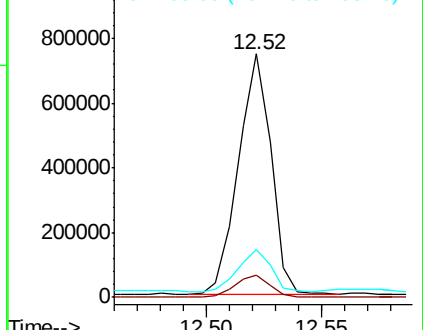
203 19.8 0.0 38.1



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: 13.93 min Scan# 2014

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

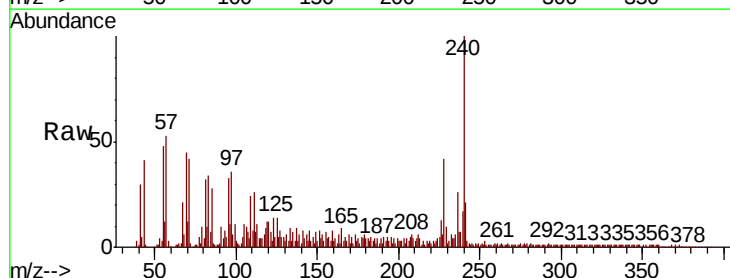
Tgt Ion:240 Resp: 270555

Ion Ratio Lower Upper

240 100

120 12.2 8.9 13.3

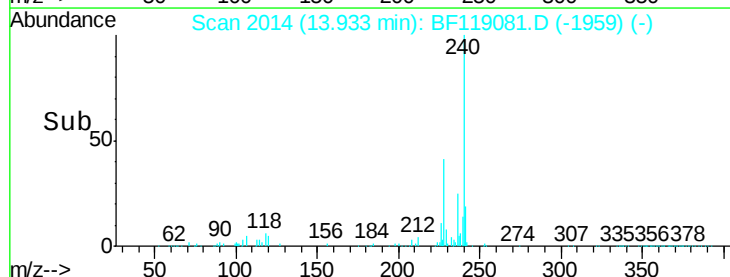
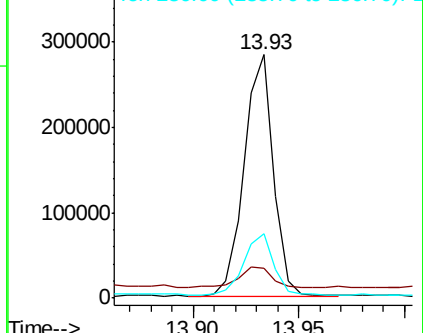
236 26.4 20.6 30.8

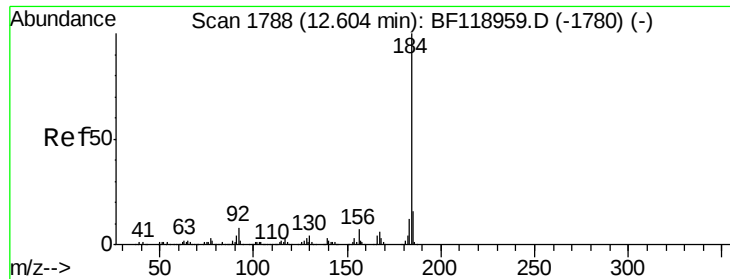


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 19.173 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

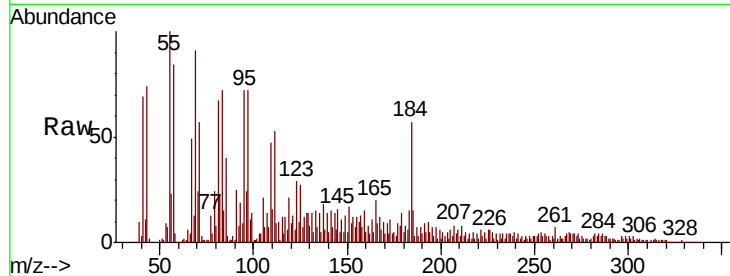
Tot Ion:184 Resp: 210960

Ion Ratio Lower Upper

184 100

185 26.2 12.6 19.0#

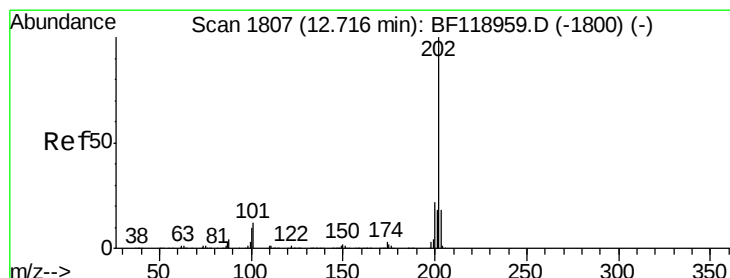
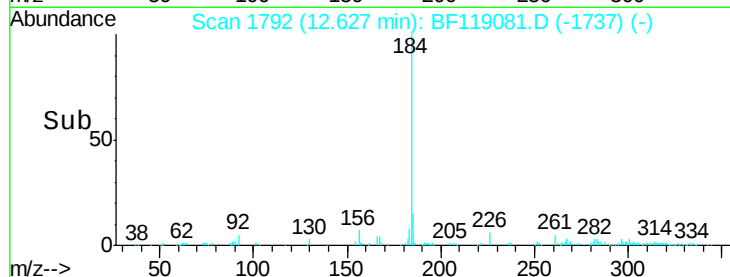
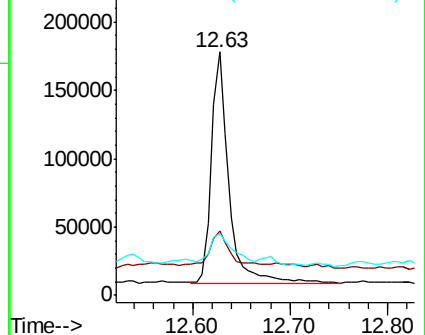
183 25.6 9.9 14.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 34.320 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.04 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

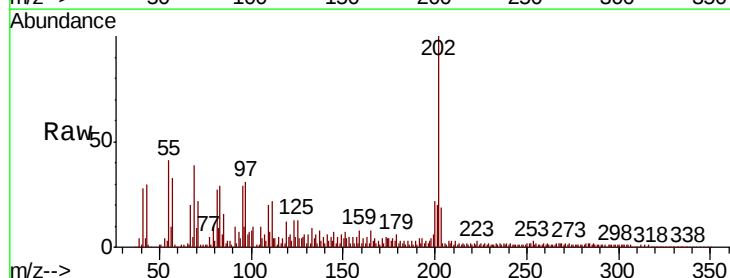
Tgt Ion:202 Resp: 745604

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.0

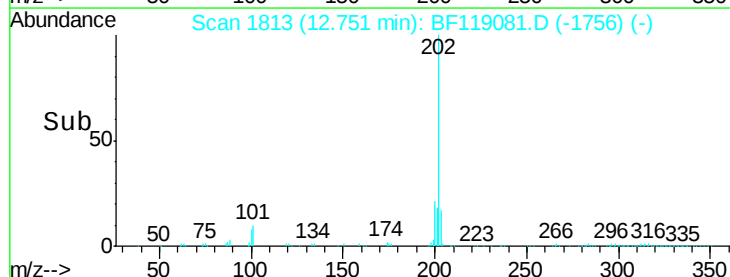
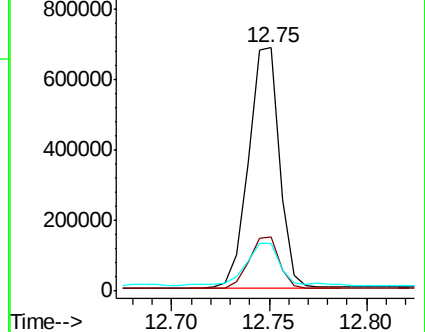
203 19.4 14.5 21.7

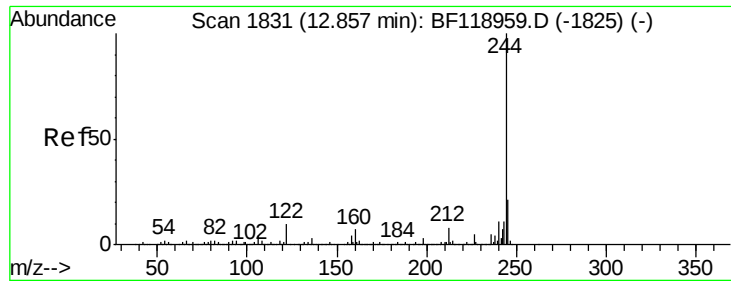


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 72.599 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

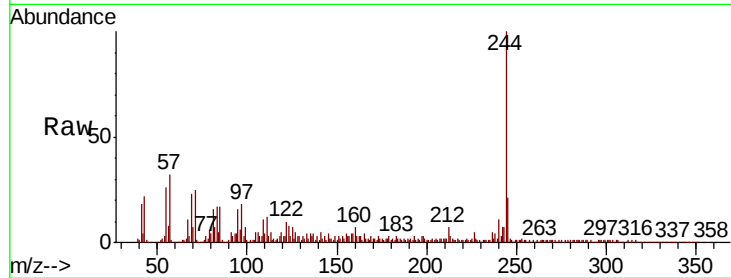
Tot Ion:244 Resp: 1140869

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

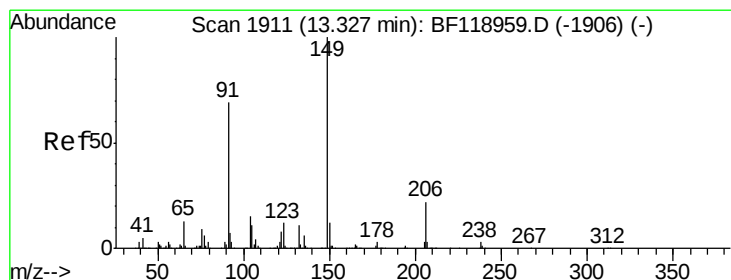
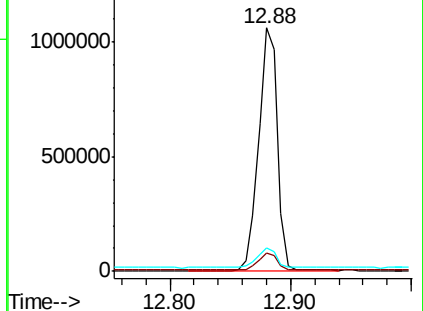
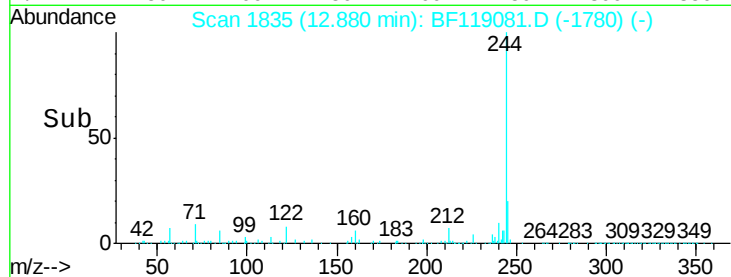
122 9.8 8.4 12.6



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: 39.944 ng

RT: 13.35 min Scan# 1914

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

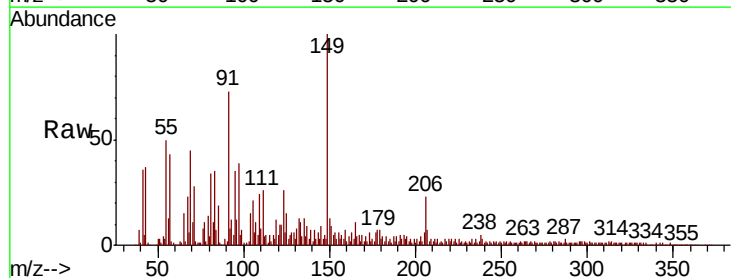
Tgt Ion:149 Resp: 365231

Ion Ratio Lower Upper

149 100

91 73.1 55.4 83.2

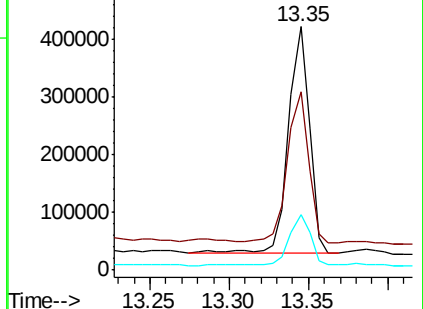
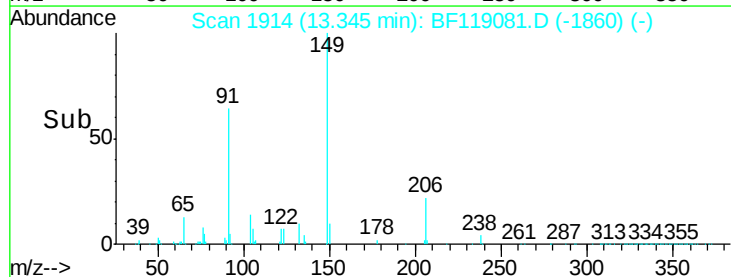
206 22.6 17.7 26.5

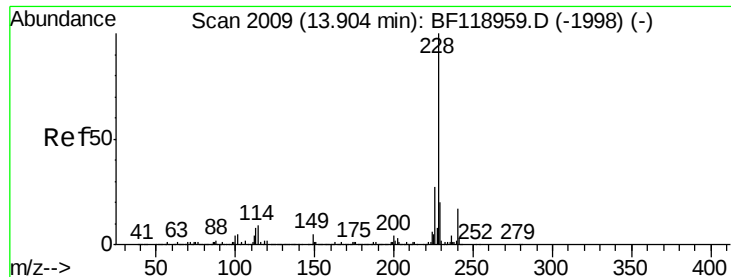


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.608 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

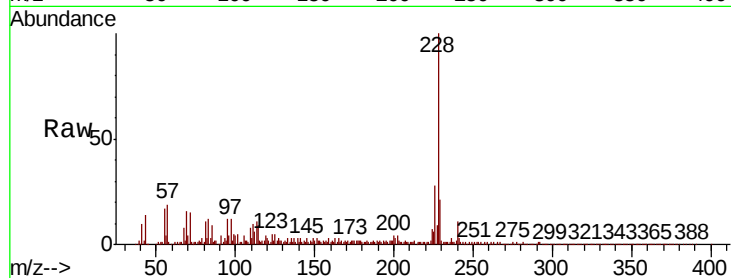
Tot Ion:228 Resp: 803902

Ion Ratio Lower Upper

228 100

226 28.0 21.8 32.8

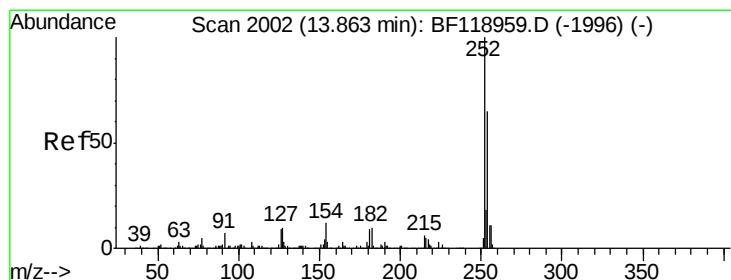
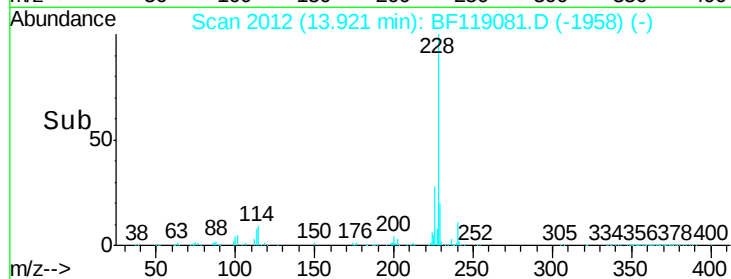
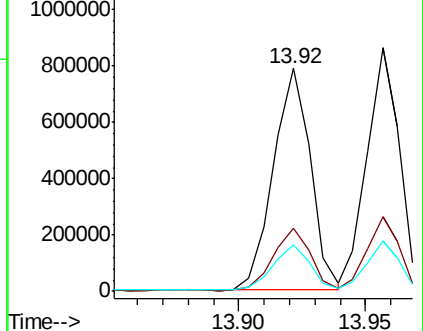
229 20.6 16.0 24.0



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: 28.476 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

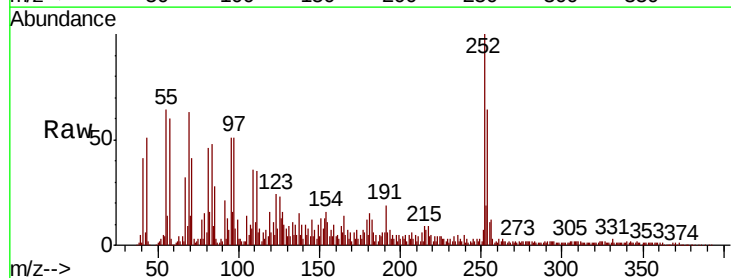
Tgt Ion:252 Resp: 203837

Ion Ratio Lower Upper

252 100

254 64.0 52.1 78.1

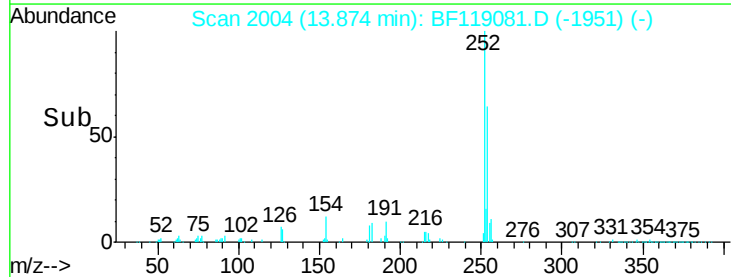
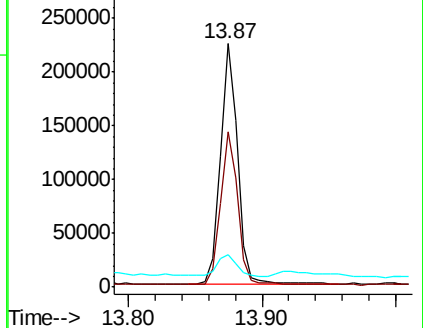
126 13.2 7.3 10.9#

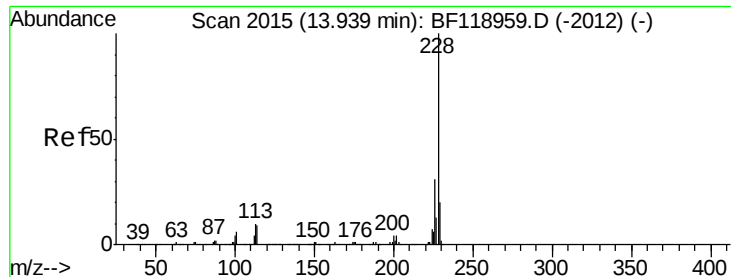


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 42.351 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

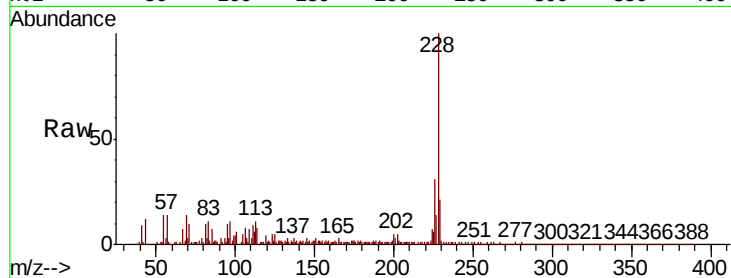
Tot Ion:228 Resp: 777929

Ion Ratio Lower Upper

228 100

226 30.5 24.6 37.0

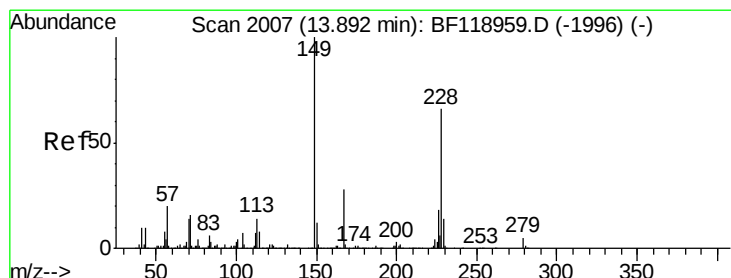
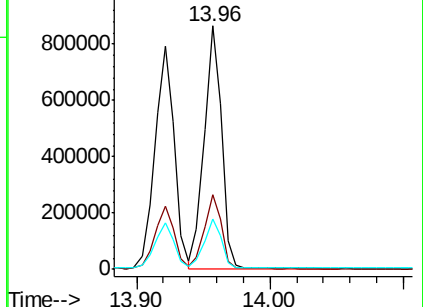
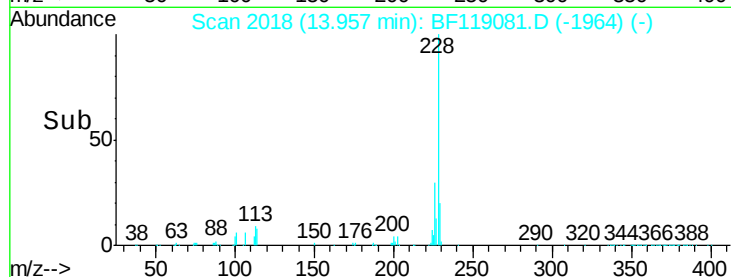
229 20.6 16.2 24.2



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: 47.181 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

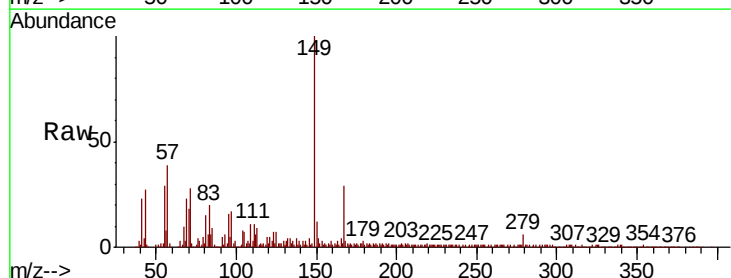
Tgt Ion:149 Resp: 545010

Ion Ratio Lower Upper

149 100

167 29.3 22.3 33.5

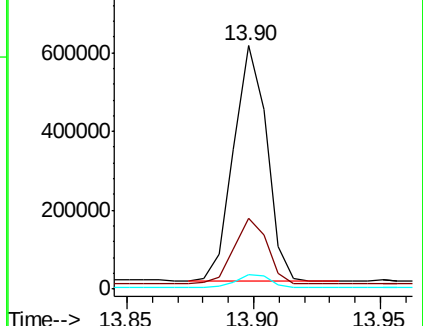
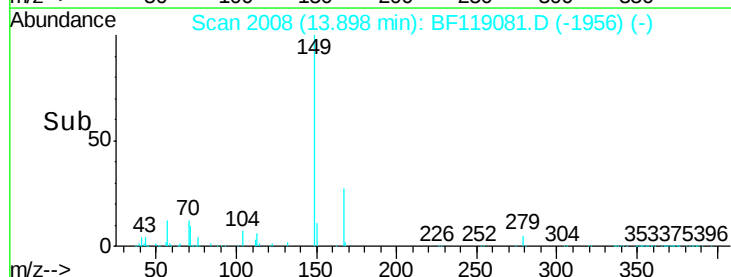
279 5.9 4.2 6.4

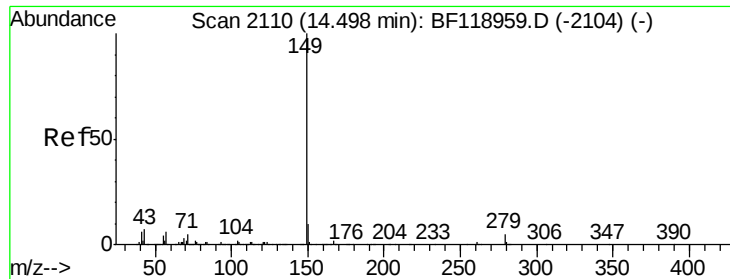


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 54.282 ng

RT: 14.50 min Scan# 2111

Delta R.T. 0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

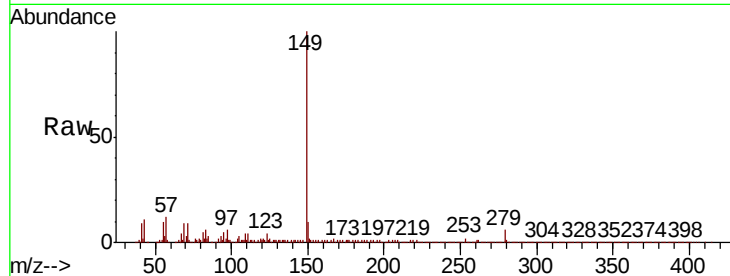
Tot Ion:149 Resp: 999059

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

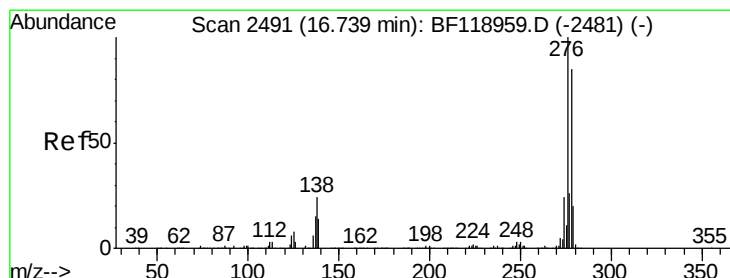
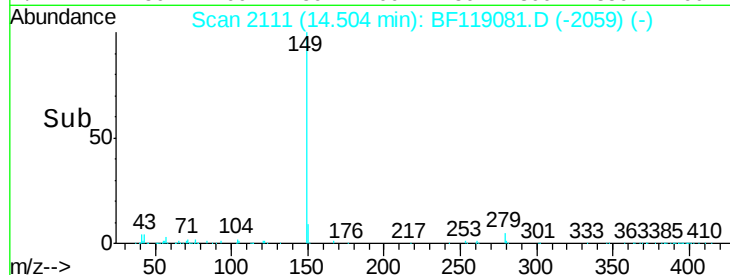
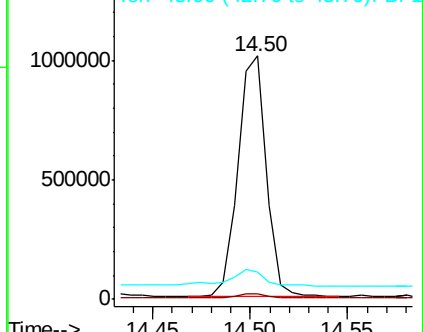
43 9.3 5.2 7.8#



Abundance Ion 149.00 (148.70 to 149.70): E

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: 64.152 ng

RT: 16.76 min Scan# 2494

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

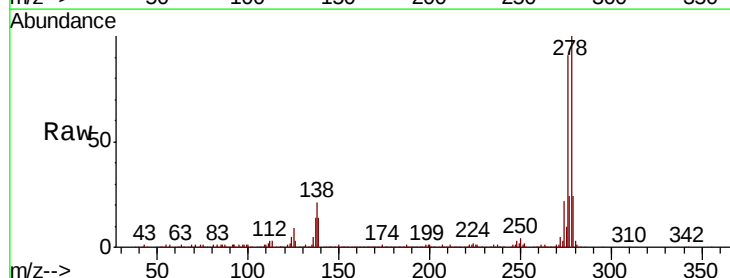
Tgt Ion:276 Resp: 1141002

Ion Ratio Lower Upper

276 100

138 21.2 18.7 28.1

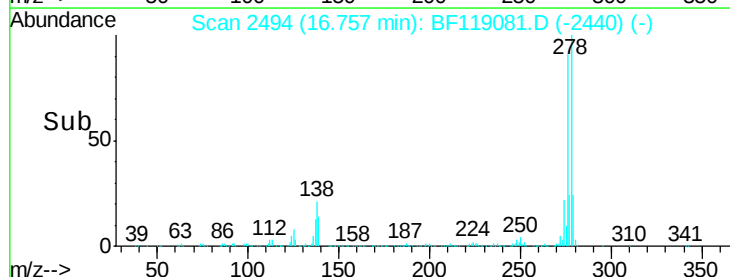
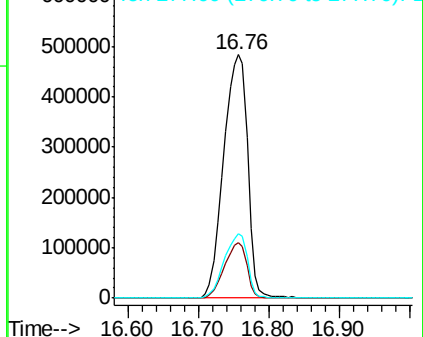
277 25.7 20.3 30.5

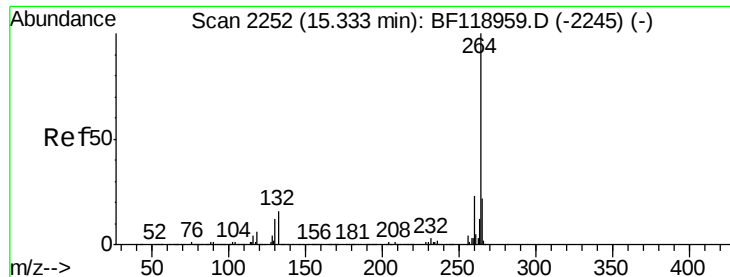


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

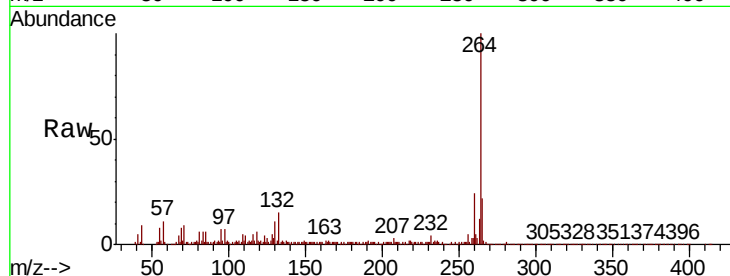
Tot Ion:264 Resp: 320093

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

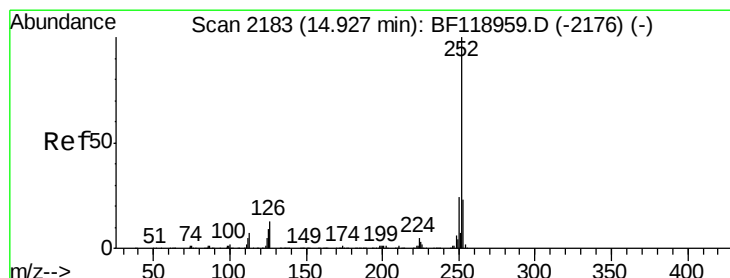
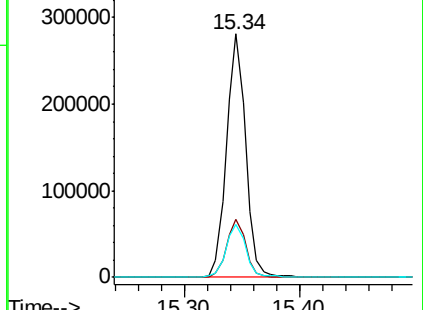
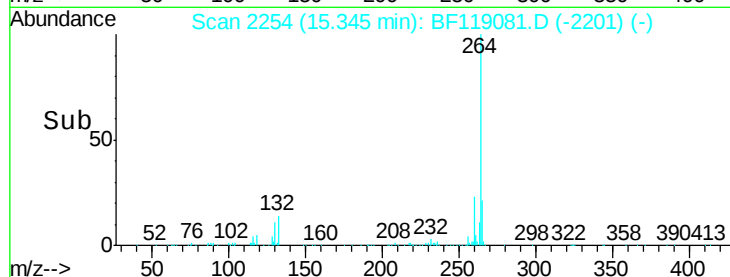
265 21.8 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 46.108 ng

RT: 14.94 min Scan# 2186

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

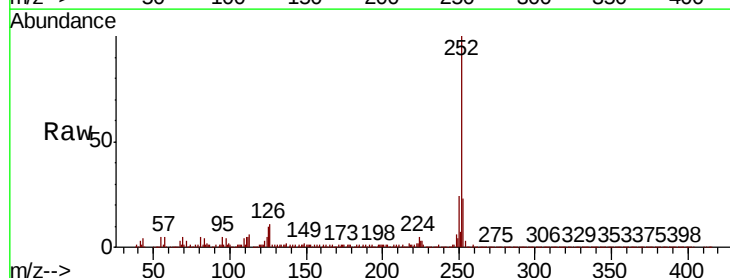
Tgt Ion:252 Resp: 972825

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

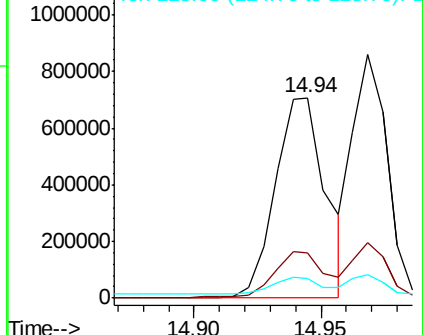
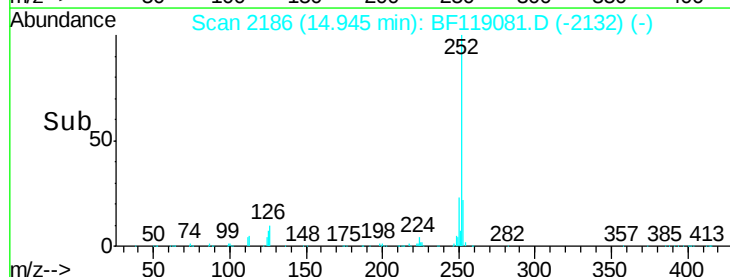
125 9.6 7.4 11.0

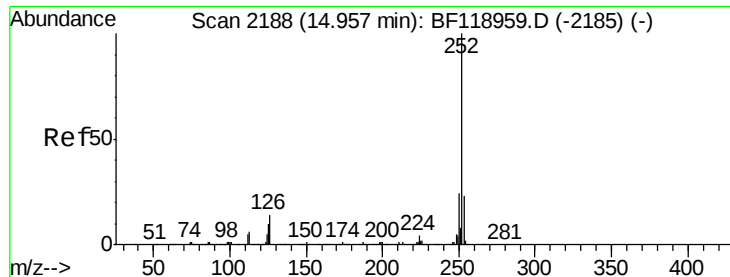


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

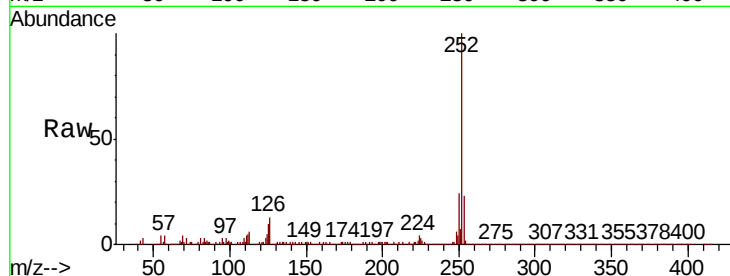




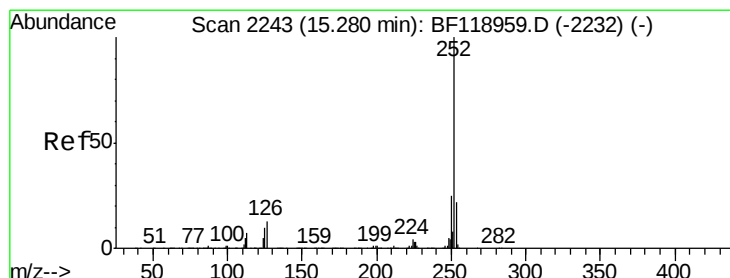
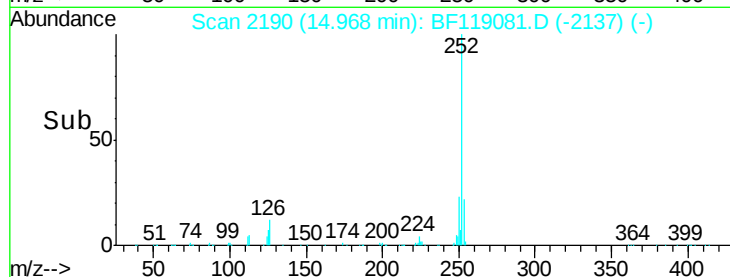
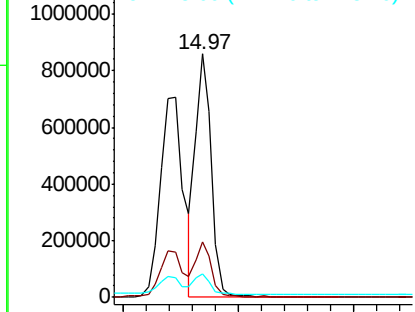
#89
Benzo(k)fluoranthene
Concen: 42.253 ng
RT: 14.97 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Instrument :
BNA_F
ClientSampleId :
72-11991MSD

Tot Ion:252 Resp: 826151
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 9.6 7.3 10.9

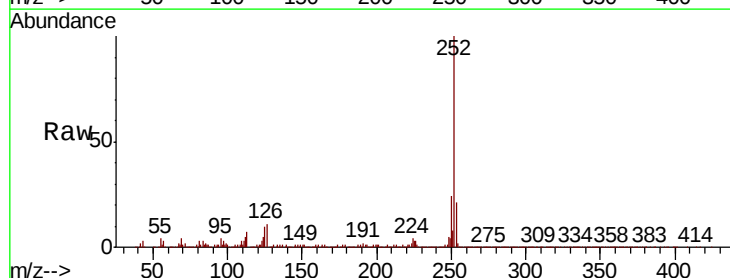


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

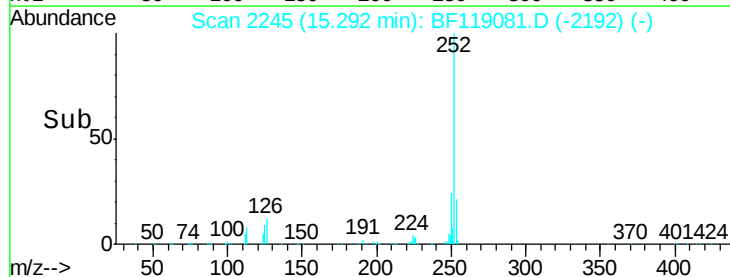
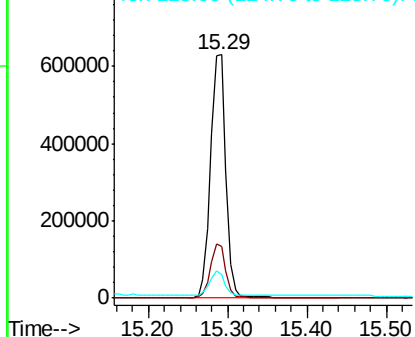


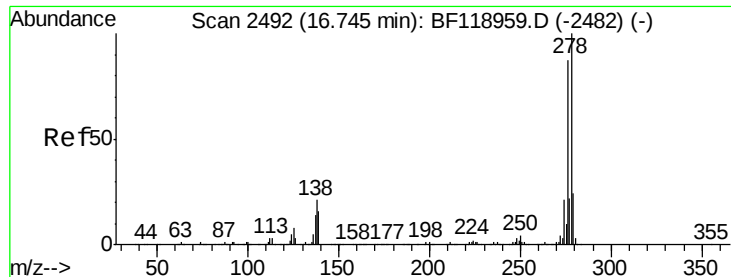
#90
Benzo(a)pyrene
Concen: 44.086 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF119081.D
Acq: 25 Feb 2020 23:13

Tgt Ion:252 Resp: 839491
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 9.5 7.8 11.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 57.305 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

Instrument :

BNA_F

ClientSampleId :

72-11991MSD

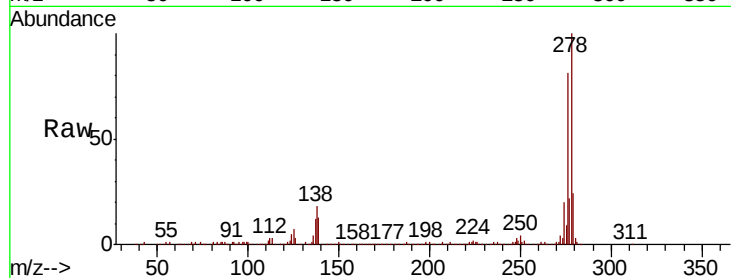
Tot Ion:278 Resp: 960140

Ion Ratio Lower Upper

278 100

139 13.0 12.6 18.8

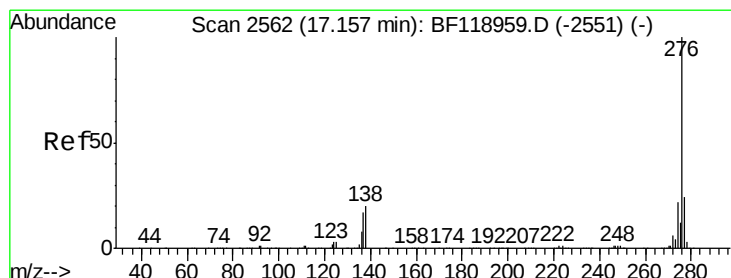
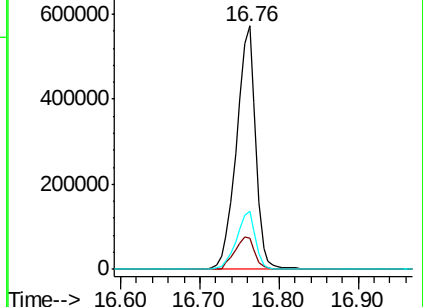
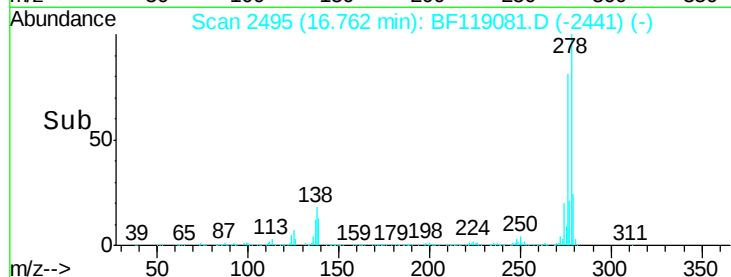
279 23.9 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 60.089 ng

RT: 17.17 min Scan# 2565

Delta R.T. 0.02 min

Lab File: BF119081.D

Acq: 25 Feb 2020 23:13

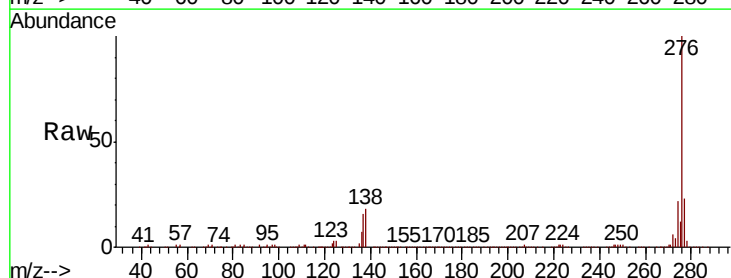
Tgt Ion:276 Resp: 994760

Ion Ratio Lower Upper

276 100

277 23.4 19.2 28.8

138 17.6 16.2 24.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

