

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
 Data File : BF119080.D
 Acq On : 25 Feb 2020 22:43
 Operator : CG/JU
 Sample : L1669-03MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MS

Quant Time: Feb 26 01:29:13 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	170515	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	619044	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	242063	20.00	ng	0.01
64) Phenanthrene-d10	11.31	188	294898	20.00	ng	0.04
76) Chrysene-d12	13.93	240	294470	20.00	ng	0.02
87) Perylene-d12	15.34	264	340689	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	995482	97.56	ng	0.00
7) Phenol-d6	6.40	99	1204186	97.04	ng	0.00
23) Nitrobenzene-d5	7.32	82	787461	67.16	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	321148	101.42	ng	0.03
45) 2-Fluorobiphenyl	9.12	172	1373700	83.60	ng	0.00
79) Terphenyl-d14	12.88	244	1071978	62.68	ng	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.53	88	169672	37.349	ng	98
3) Pyridine	3.26	79	440517	35.507	ng	99
4) n-Nitrosodimethylamine	3.20	42	180110	47.923	ng	91
6) Aniline	6.42	93	329322	21.508	ng	# 1
8) 2-Chlorophenol	6.55	128	539913	49.033	ng	98
9) Benzaldehyde	6.30	77	225816	27.237	ng	99
10) Phenol	6.42	94	632025	47.108	ng	100
11) bis(2-Chloroethyl)ether	6.49	93	494008	48.123	ng	99
12) 1,3-Dichlorobenzene	6.70	146	582398	44.129	ng	99
13) 1,4-Dichlorobenzene	6.77	146	588046	44.526	ng	98
14) 1,2-Dichlorobenzene	6.93	146	544611	45.216	ng	99
15) Benzyl Alcohol	6.90	79	442423	49.331	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.03	45	394875	44.406	ng	72
17) 2-Methylphenol	7.02	107	421253	47.186	ng	# 93
18) Hexachloroethane	7.27	117	210128	44.472	ng	98
19) n-Nitroso-di-n-propylamine	7.17	70	352967	48.815	ng	95
20) 3+4-Methylphenols	7.17	107	523472	47.861	ng	# 81
22) Acetophenone	7.17	105	693639	48.428	ng	# 96
24) Nitrobenzene	7.34	77	533340	46.001	ng	98
25) Isophorone	7.58	82	971541	47.714	ng	99
26) 2-Nitrophenol	7.66	139	290153	47.232	ng	95
27) 2,4-Dimethylphenol	7.70	122	369742	44.348	ng	96
28) bis(2-Chloroethoxy)methane	7.79	93	589007	44.442	ng	99
29) 2,4-Dichlorophenol	7.90	162	459983	46.865	ng	99
30) 1,2,4-Trichlorobenzene	7.98	180	502757	43.203	ng	99
31) Naphthalene	8.06	128	1435546	44.714	ng	99
32) Benzoic acid	7.86	122	300330	49.178	ng	93
33) 4-Chloroaniline	8.11	127	178605	12.934	ng	98
34) Hexachlorobutadiene	8.18	225	309766	42.734	ng	98
35) Caprolactam	8.50	113	153960	50.943	ng	# 86
36) 4-Chloro-3-methylphenol	8.61	107	458237	46.131	ng	99
37) 2-Methylnaphthalene	8.75	142	938506	43.438	ng	98
38) 1-Methylnaphthalene	8.85	142	860953	42.372	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.92	216	456811	55.972	ng	99

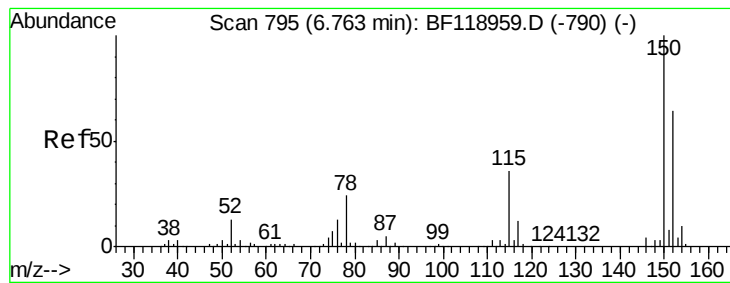
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.91	237	291072	95.869	nq	97
43) 2,4,6-Trichlorophenol	9.04	196	287152	55.716	nq	99
44) 2,4,5-Trichlorophenol	9.09	196	299635	55.404	nq #	86
46) 1,1'-Biphenyl	9.22	154	1014629	51.863	nq	98
47) 2-Chloronaphthalene	9.25	162	815552	51.731	nq	97
48) 2-Nitroaniline	9.34	65	256752	58.389	nq	92
49) Acenaphthylene	9.66	152	1067961	46.902	nq	95
50) Dimethylphthalate	9.53	163	967069	52.246	nq #	97
51) 2,6-Dinitrotoluene	9.59	165	219962	53.487	nq	98
52) Acenaphthene	9.84	154	573862	41.797	nq	97
53) 3-Nitroaniline	9.75	138	119478	26.207	nq #	88
54) 2,4-Dinitrophenol	9.87	184	79744	43.645	nq #	59
55) Dibenzofuran	10.01	168	868062	42.359	nq	93
56) 4-Nitrophenol	9.93	139	223190	81.480	nq #	41
57) 2,4-Dinitrotoluene	10.00	165	230055	43.159	nq #	95
58) Fluorene	10.36	166	637807	40.052	nq #	90
59) 2,3,4,6-Tetrachlorophenol	10.14	232	168049	36.825	nq #	96
60) Diethylphthalate	10.23	149	695853	39.892	nq #	91
61) 4-Chlorophenyl-phenylether	10.36	204	325291	38.592	nq #	86
62) 4-Nitroaniline	10.37	138	99558	21.344	nq #	76
63) Azobenzene	10.52	77	520259	34.313	nq	90
65) 4,6-Dinitro-2-methylphenol	10.42	198	54519	30.552	nq #	1
66) n-Nitrosodiphenylamine	10.47	169	544451	56.384	nq	99
67) 4-Bromophenyl-phenylether	10.85	248	264381	68.587	nq #	88
68) Hexachlorobenzene	10.93	284	257826	58.013	nq #	90
69) Atrazine	11.00	200	200507	59.432	nq	83
70) Pentachlorophenol	11.12	266	186620	104.242	nq	99
71) Phenanthrene	11.33	178	731409	45.479	nq #	89
72) Anthracene	11.39	178	750477	46.704	nq #	93
73) Carbazole	11.53	167	657314	45.917	nq #	91
74) Di-n-butylphthalate	11.86	149	834424	48.132	nq #	95
75) Fluoranthene	12.52	202	806386	47.237	nq	97
77) Benzidine	12.63	184	126621	10.573	nq #	56
78) Pyrene	12.74	202	826031	34.934	nq	98
80) Butylbenzylphthalate	13.34	149	397871	39.980	nq	97
81) Benzo(a)anthracene	13.92	228	888534	44.285	nq	100
82) 3,3'-Dichlorobenzidine	13.87	252	149404	19.176	nq #	97
83) Chrysene	13.96	228	844578	42.245	nq	99
84) Bis(2-ethylhexyl)phthalate	13.90	149	590555	46.971	nq	97
85) Di-n-octyl phthalate	14.50	149	1073952	53.612	nq #	75
86) Indeno(1,2,3-cd)pyrene	16.76	276	1222557	63.155	nq	97
88) Benzo(b)fluoranthene	14.94	252	1040226	46.322	nq	100
89) Benzo(k)fluoranthene	14.97	252	893807	42.949	nq	99
90) Benzo(a)pyrene	15.29	252	895603	44.189	nq	99
91) Dibenzo(a,h)anthracene	16.76	278	1024349	57.441	nq	98
92) Benzo(g,h,i)perylene	17.18	276	1055772	59.919	nq	97

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

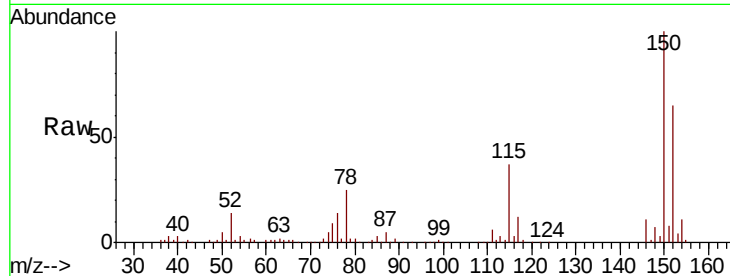


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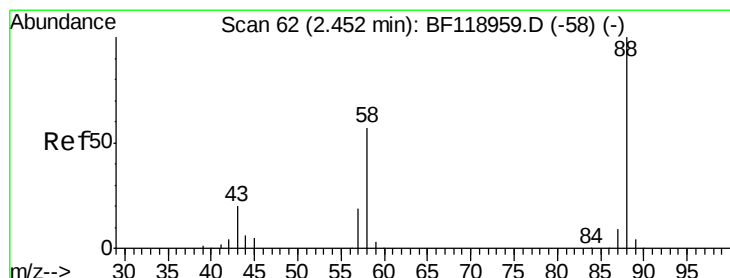
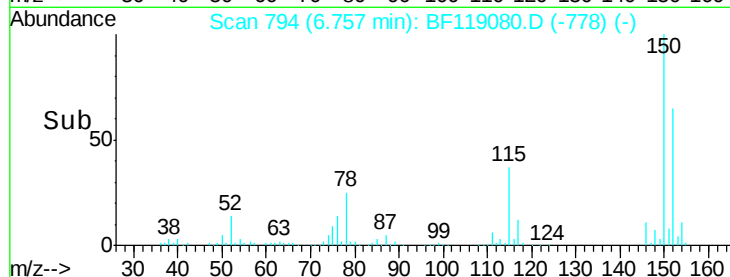
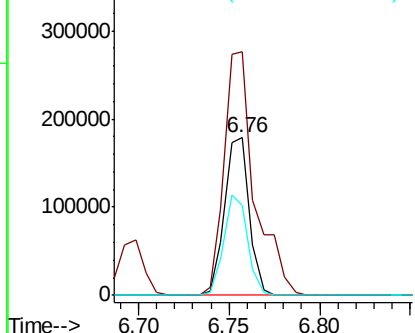
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MS

Tot Ion:152 Resp: 170515
 Ion Ratio Lower Upper
 152 100
 150 154.5 124.3 186.5
 115 57.2 44.6 67.0



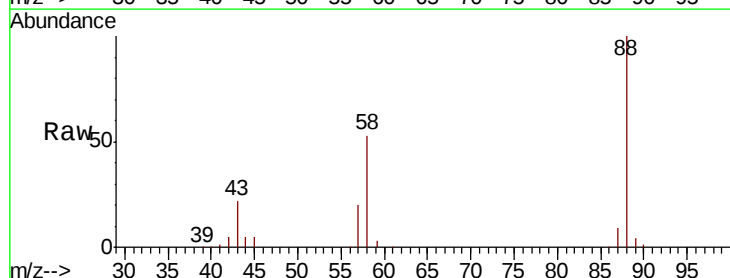
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



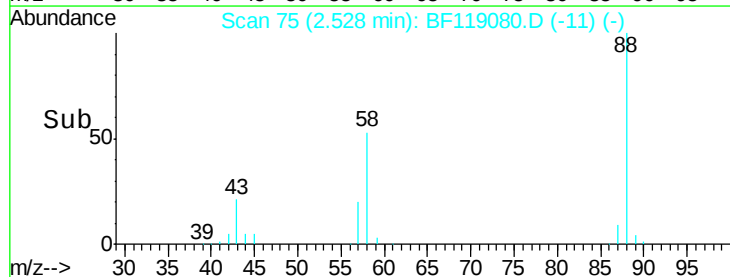
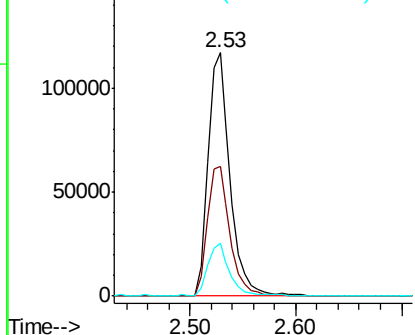
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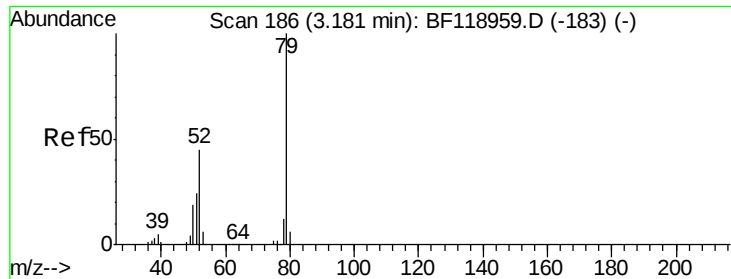
1,4-Dioxane
 Concen: 37.349 ng
 RT: 2.53 min Scan# 75
 Delta R.T. 0.08 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

Tgt Ion: 88 Resp: 169672
 Ion Ratio Lower Upper
 88 100
 58 54.8 44.6 66.8
 43 22.1 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

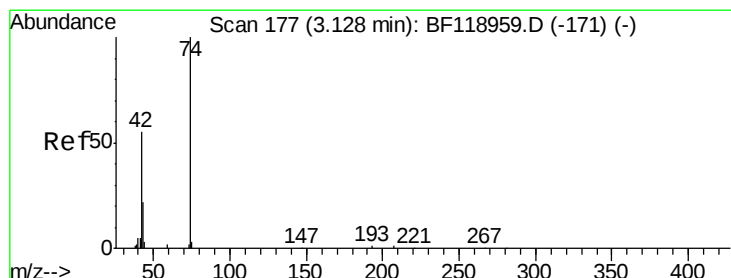
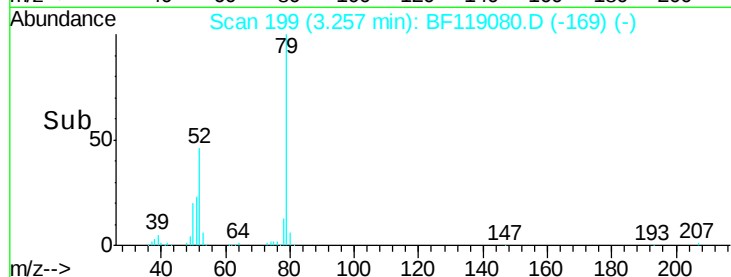
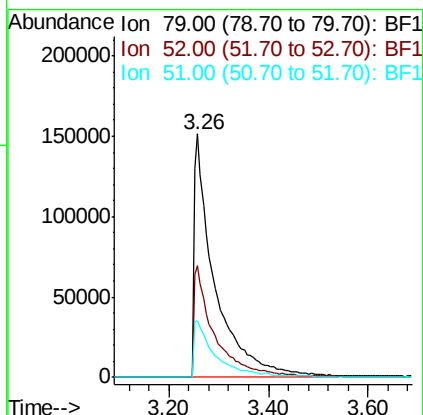
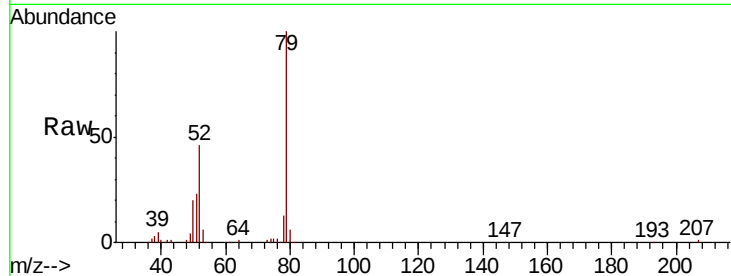




#3
 Pvridine
 Concen: 35.507 ng
 RT: 3.26 min Scan# 199
 Delta R.T. 0.08 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

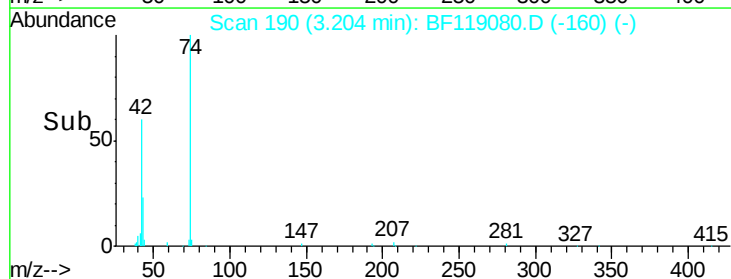
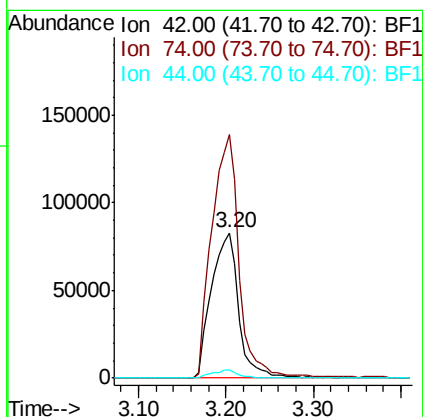
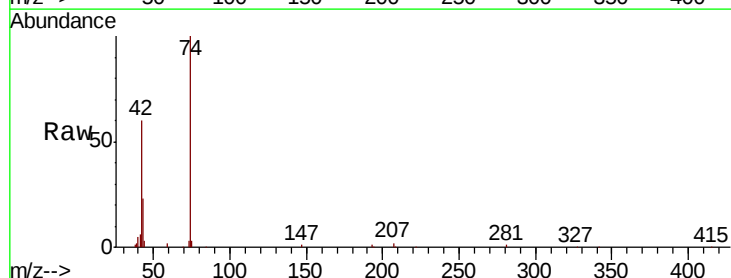
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MS

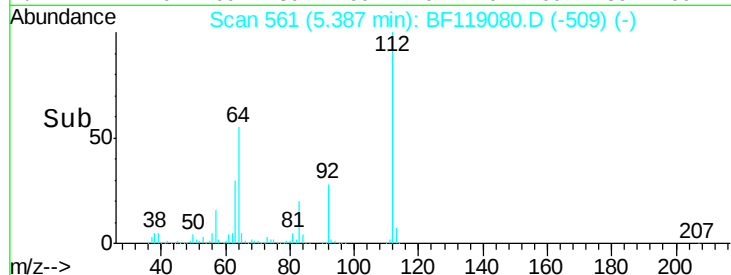
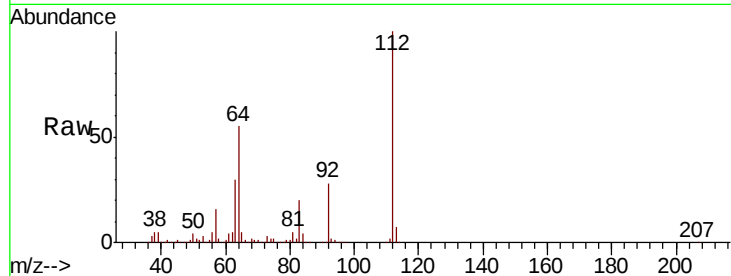
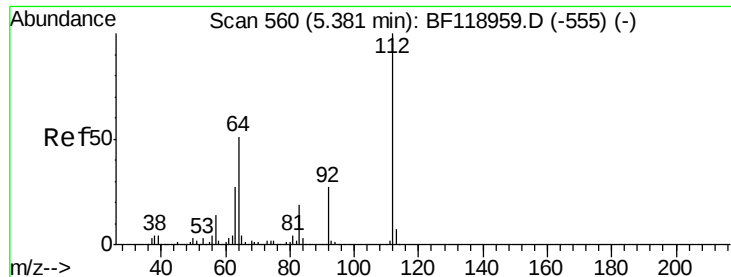
Tot Ion	Ratio	Lower	Upper
79	100		
52	46.0	36.3	54.5
51	23.4	19.5	29.3



#4
 n-Nitrosodimethylamine
 Concen: 47.923 ng
 RT: 3.20 min Scan# 190
 Delta R.T. 0.08 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

Tgt Ion	Ratio	Lower	Upper
42	100		
74	167.7	144.4	216.6
44	5.6	4.5	6.7

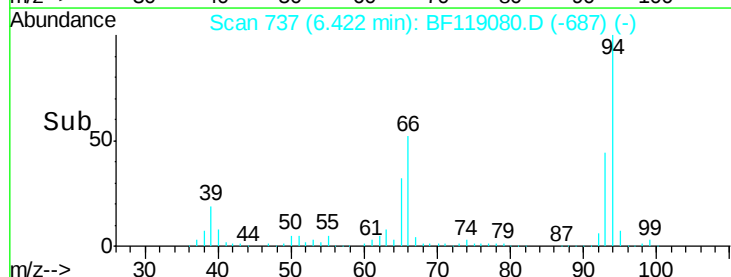
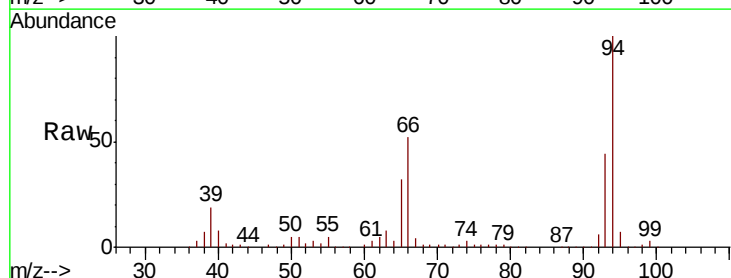
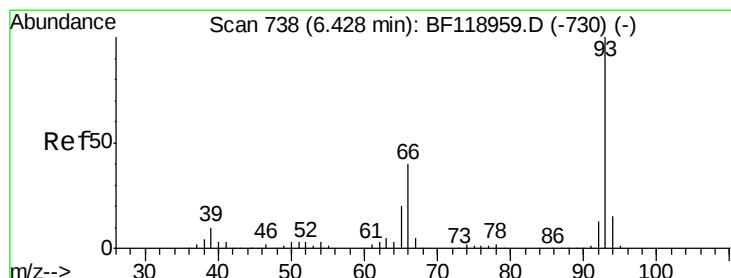
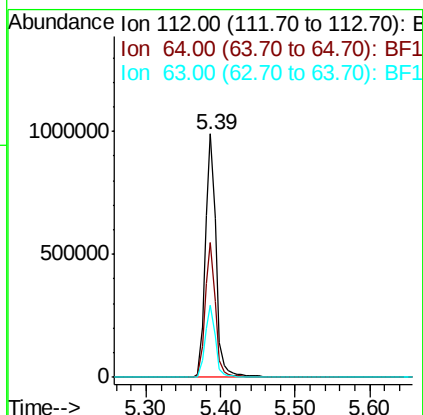




#5
2-Fluorophenol
Concen: 97.565 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

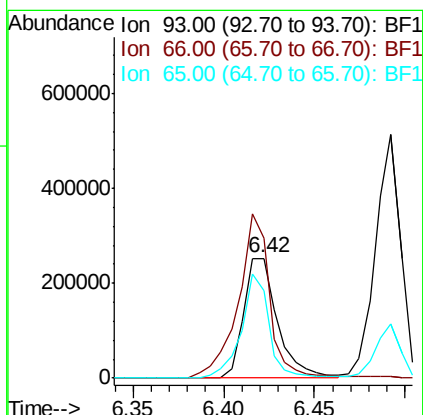
Instrument :
BNA_F
ClientSampleId :
72-11991MS

Tot Ion:112 Resp: 995482
Ion Ratio Lower Upper
112 100
64 55.3 40.4 60.6
63 29.8 21.3 31.9



#6
Aniline
Concen: 21.508 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion: 93 Resp: 329322
Ion Ratio Lower Upper
93 100
66 116.9 32.2 48.2#
65 73.4 16.1 24.1#





#7

Phenol-d6

Concen: 97.041 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

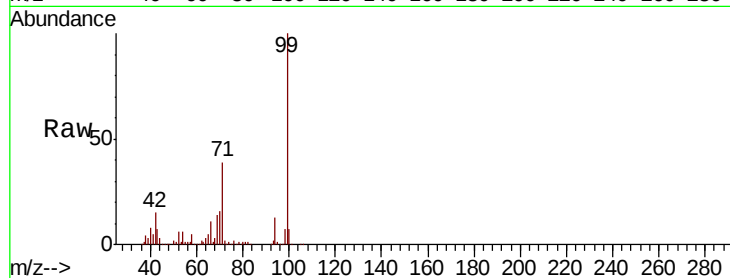
Tot Ion: 99 Resp: 1204186

Ion Ratio Lower Upper

99 100

42 15.1 11.4 17.0

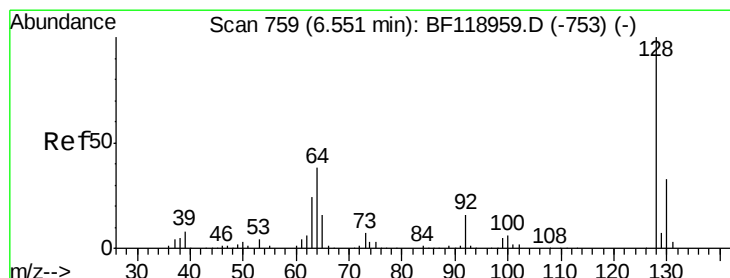
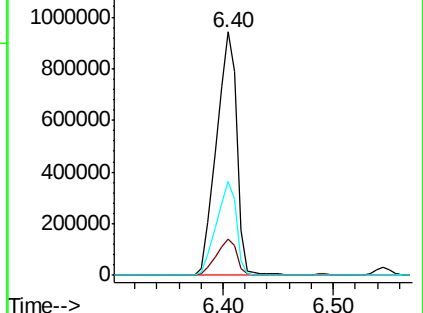
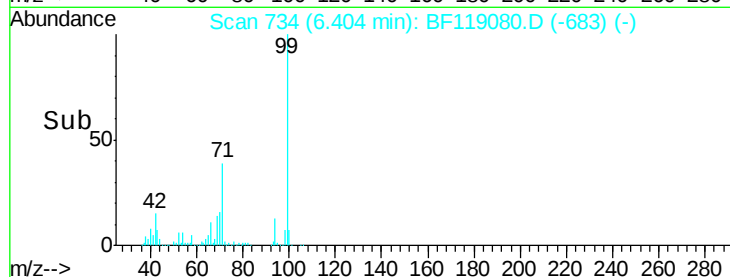
71 38.8 29.8 44.6



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: 49.033 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

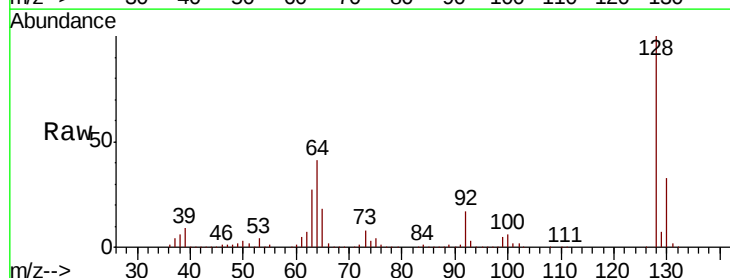
Tgt Ion:128 Resp: 539913

Ion Ratio Lower Upper

128 100

130 33.4 12.7 52.7

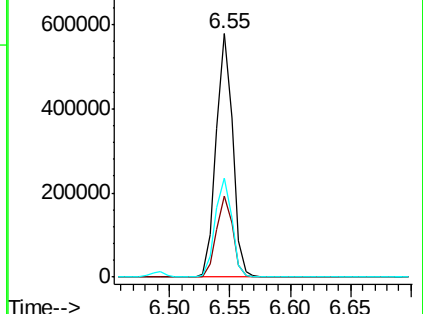
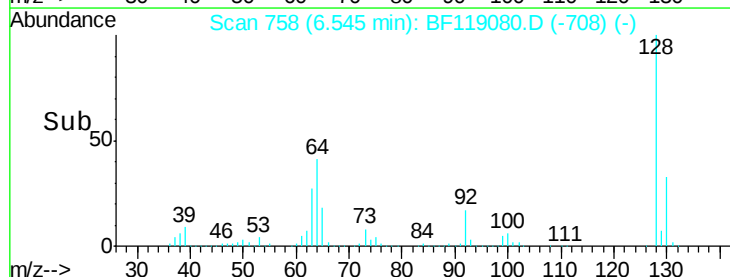
64 40.8 18.7 58.7

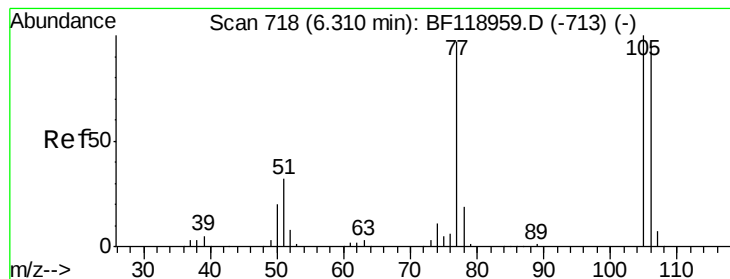


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 27.237 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

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72-11991MS

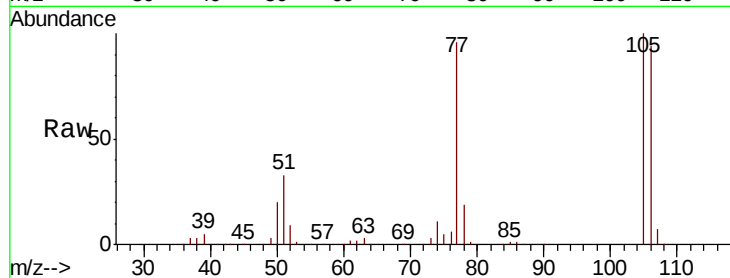
Tot Ion: 77 Resp: 225816

Ion Ratio Lower Upper

77 100

105 103.8 83.0 123.0

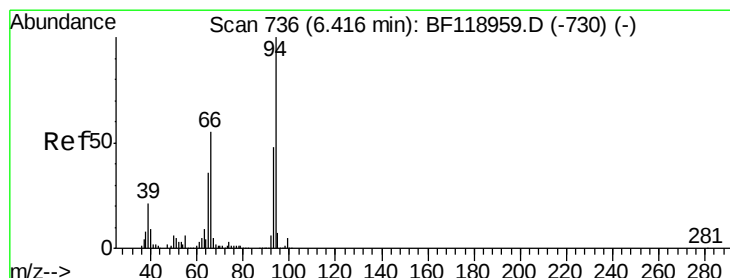
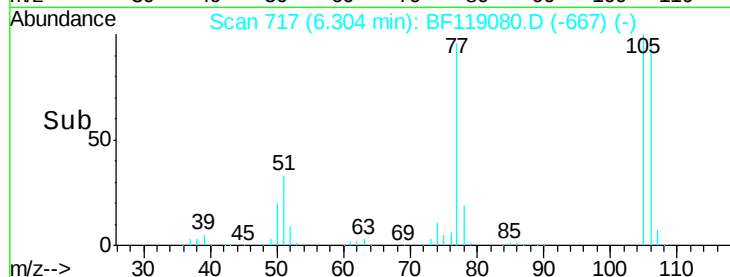
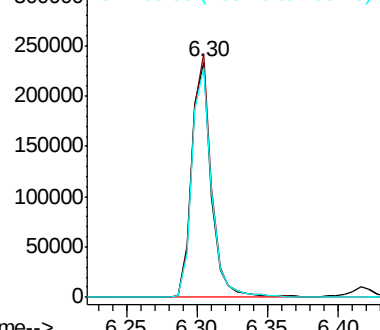
106 97.8 78.3 118.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 47.108 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

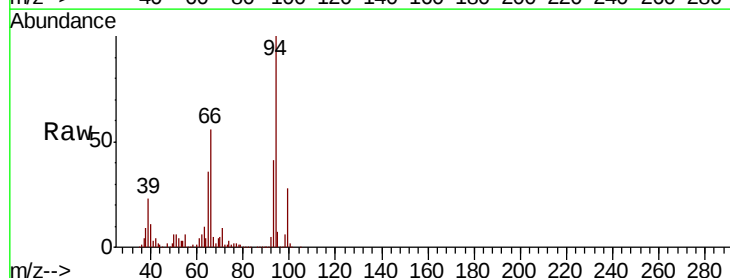
Tgt Ion: 94 Resp: 632025

Ion Ratio Lower Upper

94 100

65 35.5 15.5 55.5

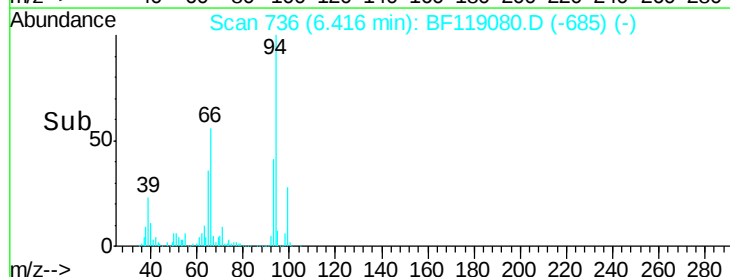
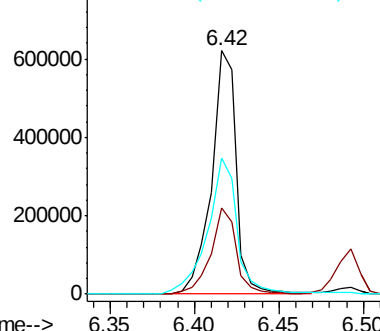
66 55.8 35.6 75.6

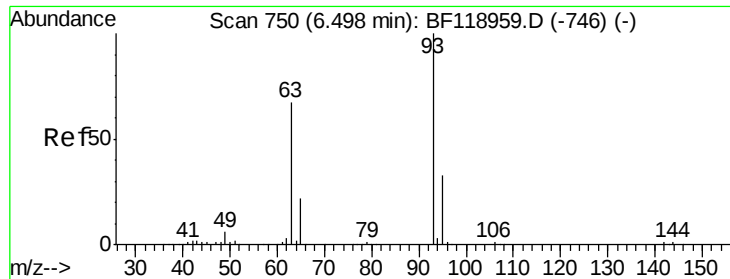


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

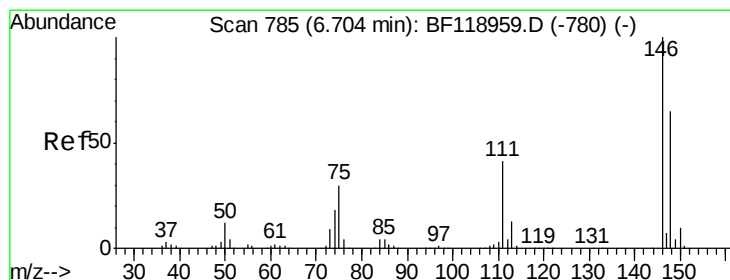
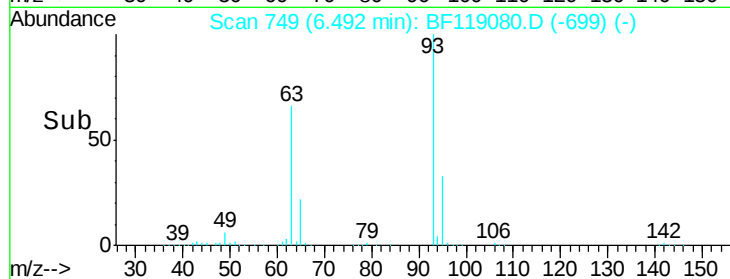
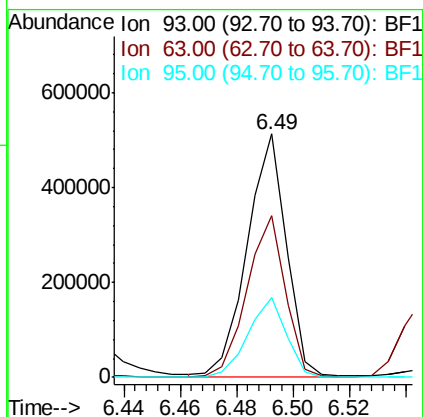
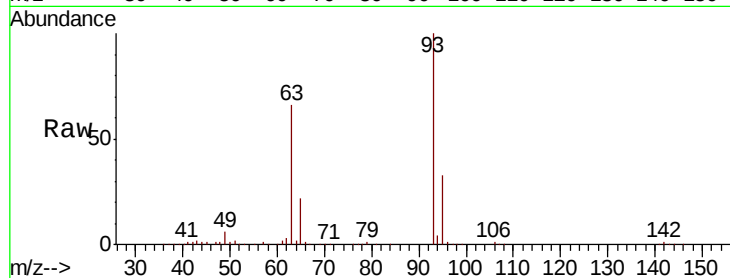




#11
bis(2-Chloroethyl)ether
Concen: 48.123 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

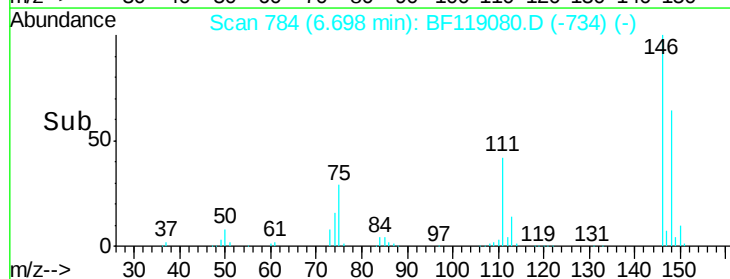
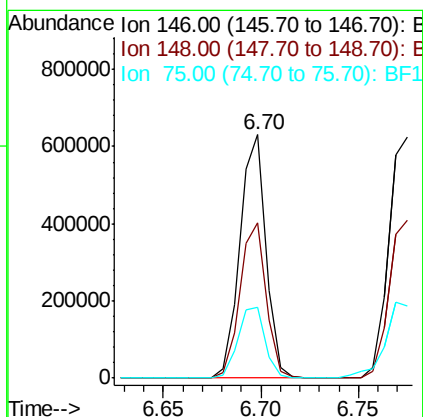
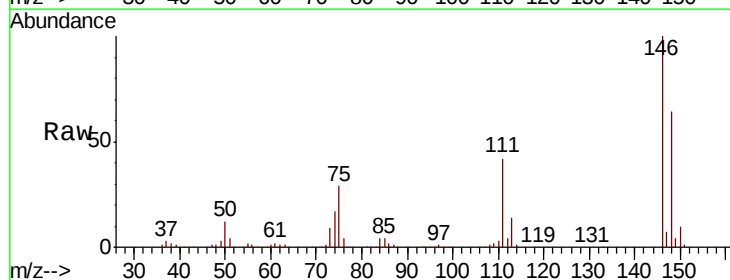
Instrument :
BNA_F
ClientSampleId :
72-11991MS

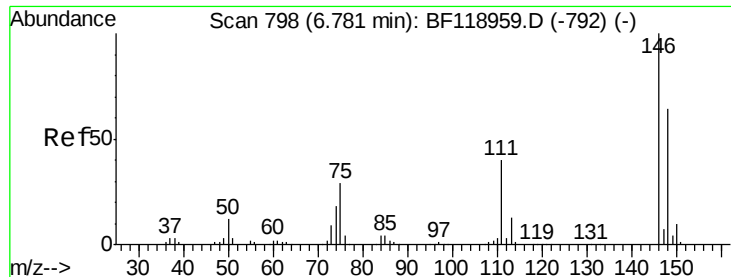
Tot Ion:	93	Resp:	494008
Ion	Ratio	Lower	Upper
93	100		
63	66.3	46.8	86.8
95	33.0	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 44.129 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:	146	Resp:	582398
Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.7	77.5
75	29.1	23.6	35.4

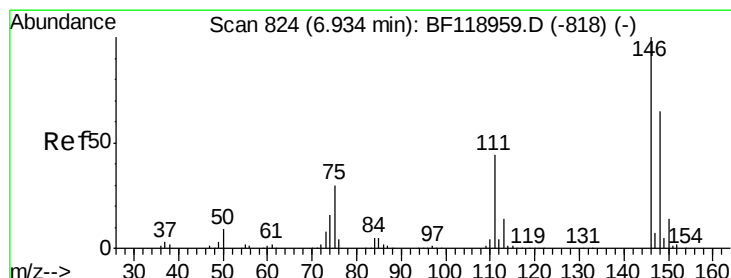
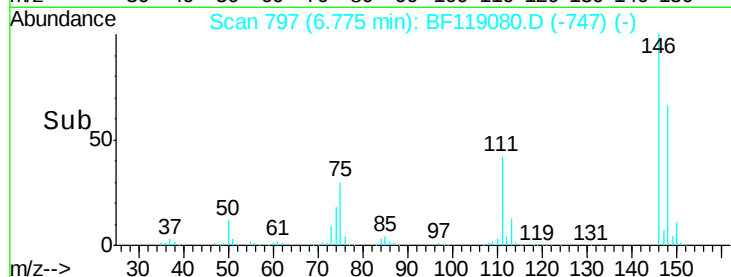
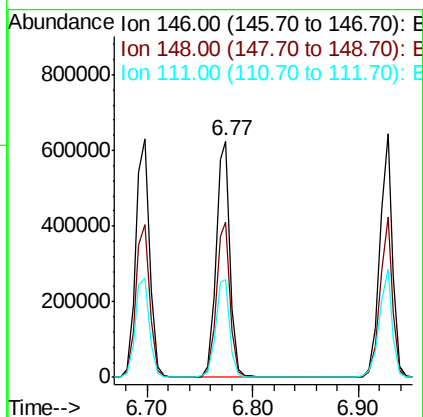
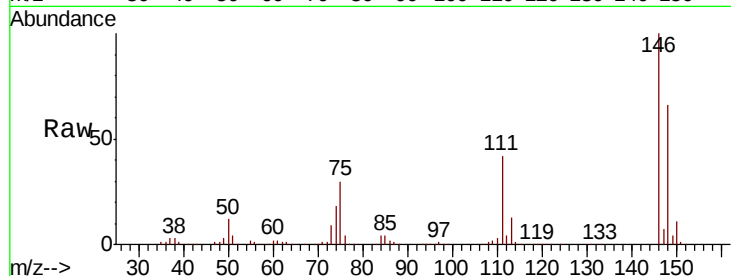




#13
 1,4-Dichlorobenzene
 Concen: 44.526 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

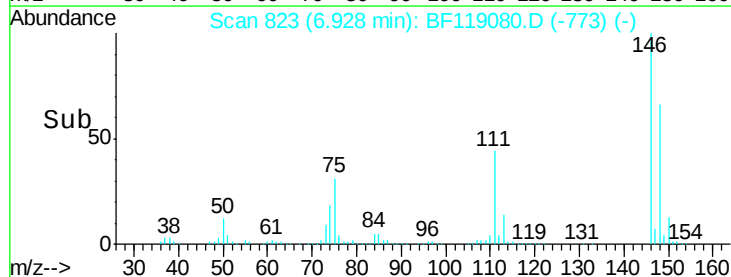
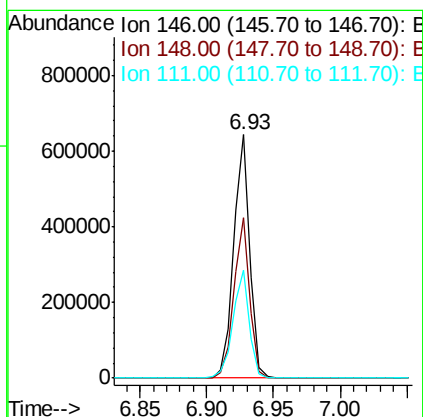
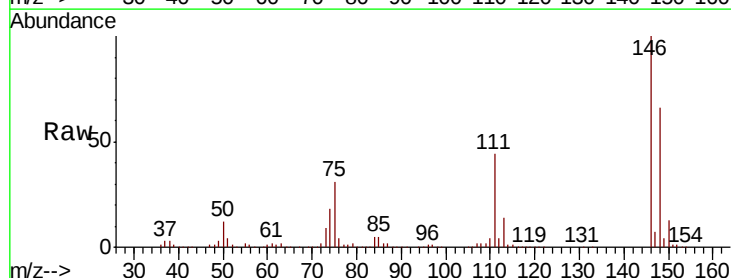
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MS

Tot Ion:146 Resp: 588046
 Ion Ratio Lower Upper
 146 100
 148 65.6 51.4 77.2
 111 41.5 31.9 47.9



#14
 1,2-Dichlorobenzene
 Concen: 45.216 ng
 RT: 6.93 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

Tgt Ion:146 Resp: 544611
 Ion Ratio Lower Upper
 146 100
 148 65.6 52.1 78.1
 111 44.1 35.5 53.3

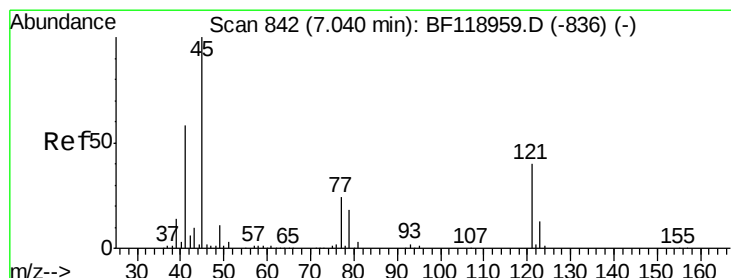
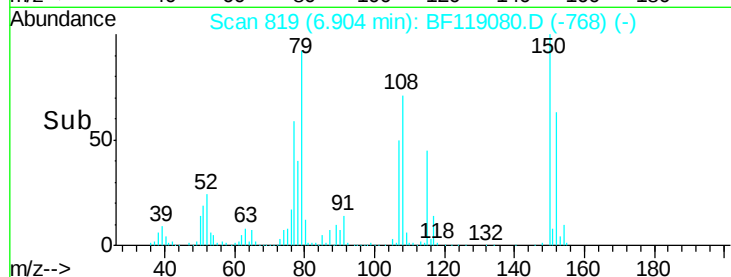
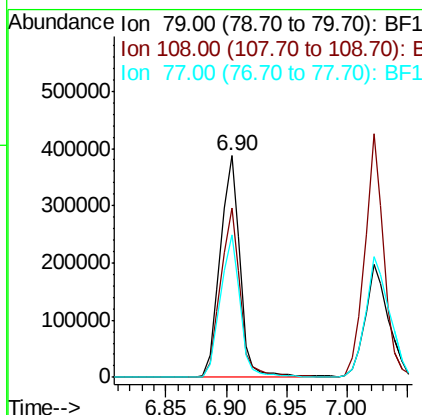
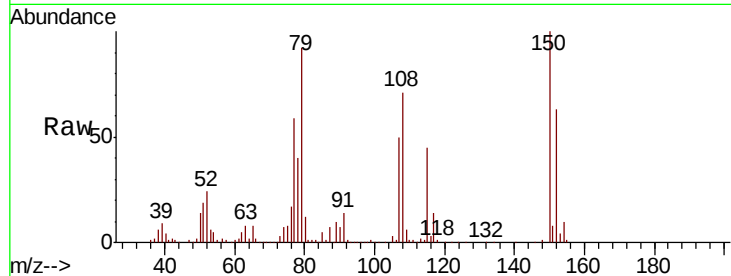




#15
Benzyl Alcohol
Concen: 49.331 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

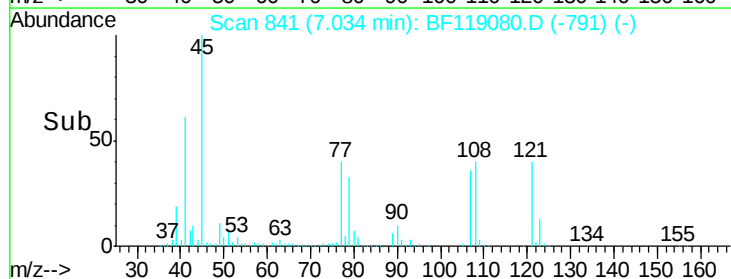
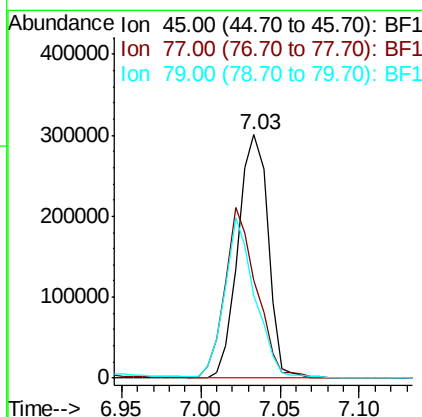
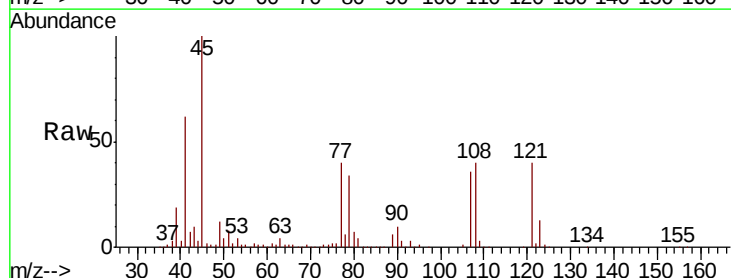
Instrument :
BNA_F
ClientSampled :
72-11991MS

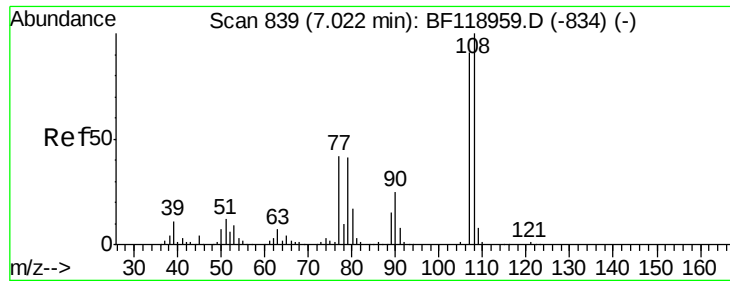
Tot Ion: 79 Resp: 442423
Ion Ratio Lower Upper
79 100
108 76.4 61.1 91.7
77 64.2 50.2 75.2



#16
2,2'-oxybis(1-chloropropane)
Concen: 44.406 ng
RT: 7.03 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion: 45 Resp: 394875
Ion Ratio Lower Upper
45 100
77 40.1 6.1 46.1
79 33.6 0.5 40.5

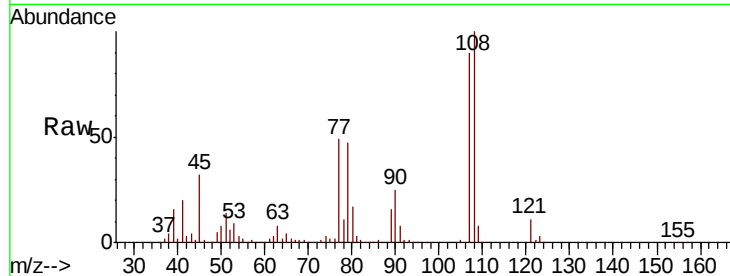




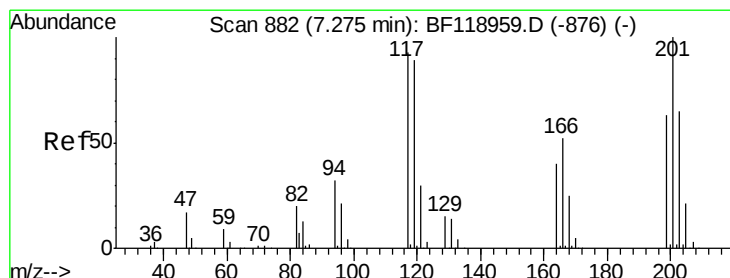
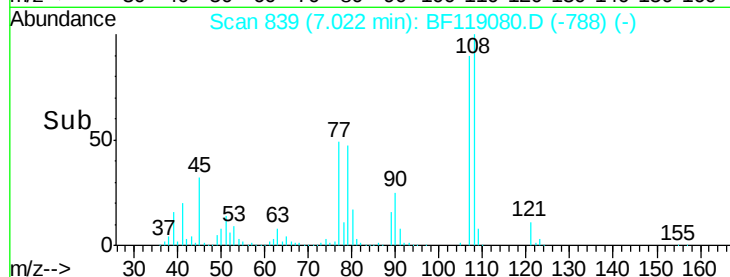
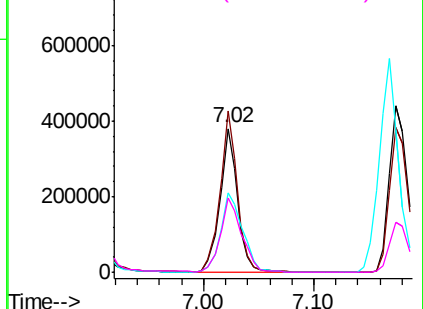
#17
2-Methylphenol
Concen: 47.186 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Instrument :
BNA_F
ClientSampleId :
72-11991MS

Tot Ion:107 Resp: 421253
Ion Ratio Lower Upper
107 100
108 111.7 87.7 131.5
77 55.2 36.8 55.2#
79 52.0 36.4 54.6

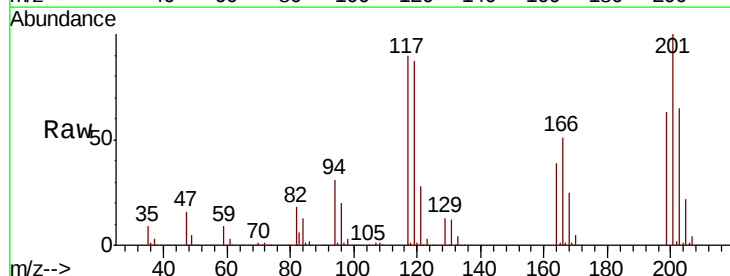


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

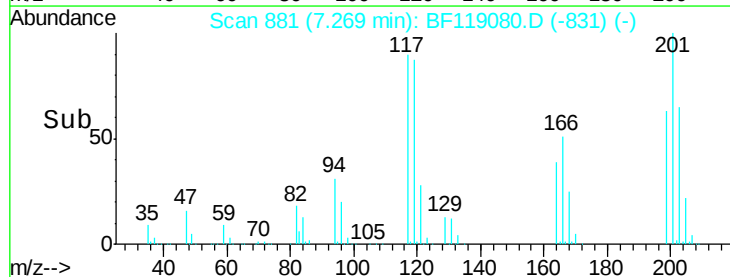
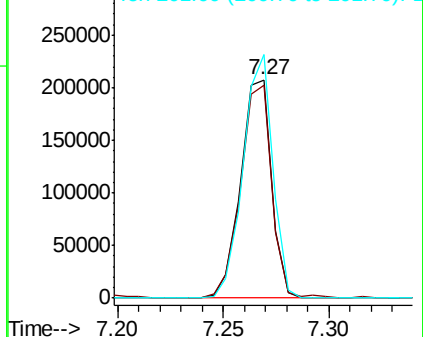


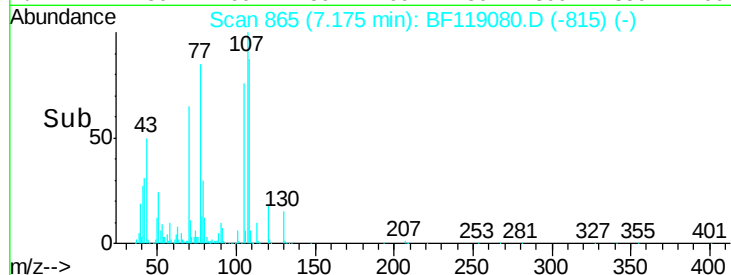
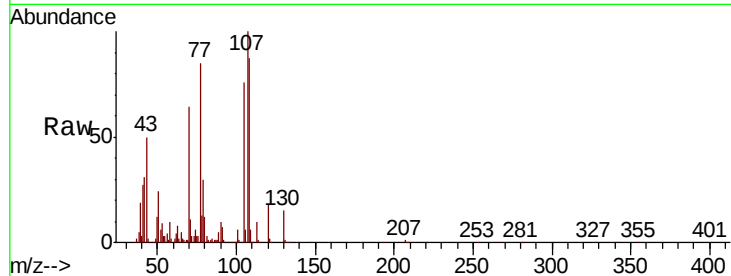
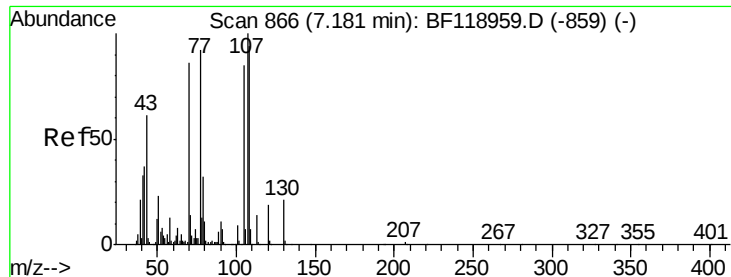
#18
Hexachloroethane
Concen: 44.472 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:117 Resp: 210128
Ion Ratio Lower Upper
117 100
119 97.3 77.0 115.6
201 111.6 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

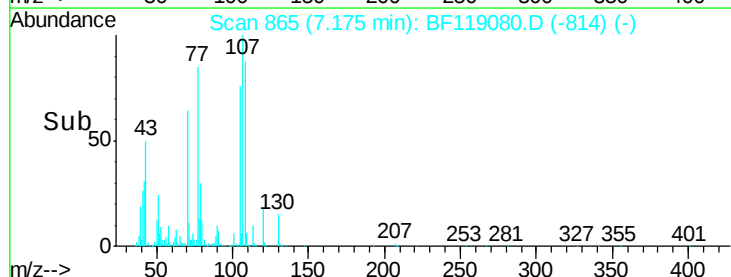
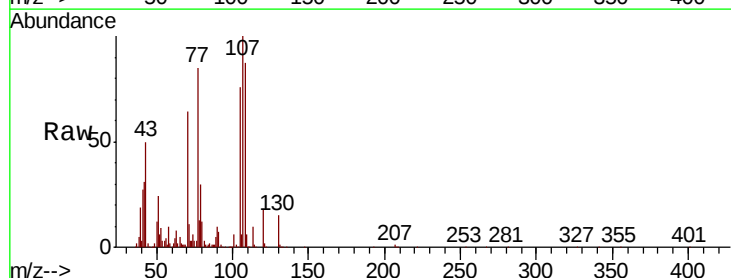
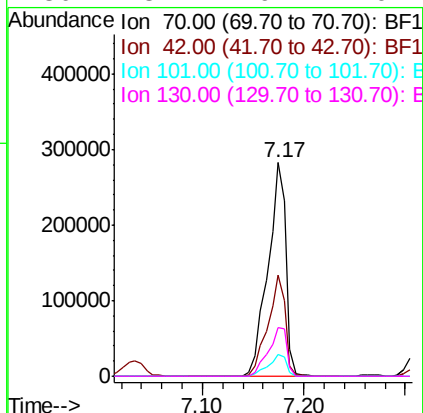




#19
n-Nitroso-di-n-propylamine
Concen: 48.815 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

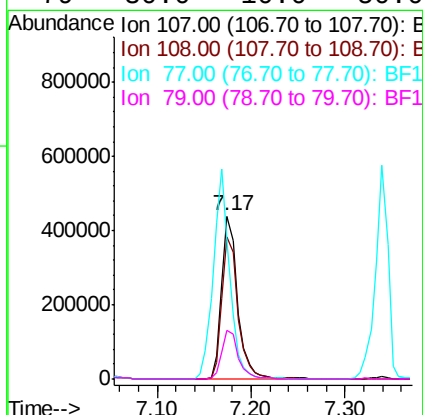
Instrument :
BNA_F
ClientSampleId :
72-11991MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	47.5	34.6	51.8
101	9.9	8.1	12.1
130	23.1	19.4	29.2



#20
3+4-Methylphenols
Concen: 47.861 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.2	67.0	107.0
77	85.2	106.2	146.2#
79	30.0	10.0	50.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

Tot Ion:136 Resp: 619044

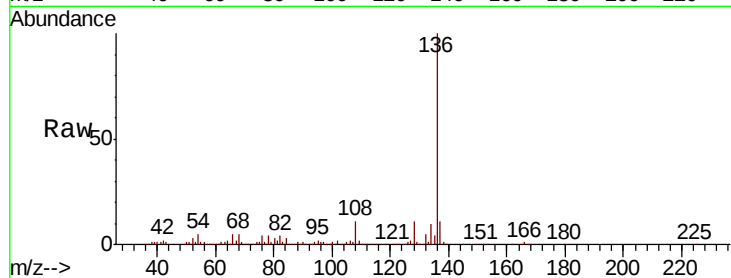
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 5.1 3.8 5.6

68 5.2 4.2 6.2

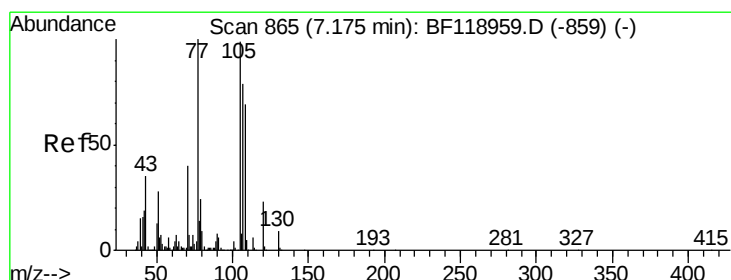
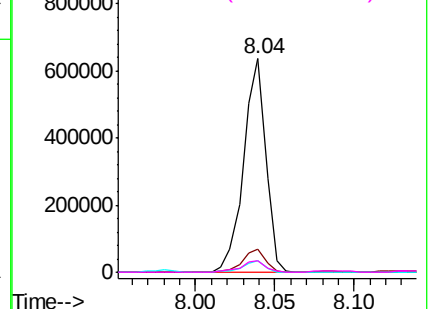
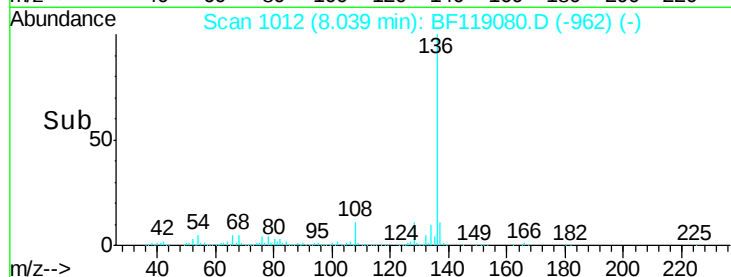


Abundance Ion 136.00 (135.70 to 136.70): E

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: 48.428 ng

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Tgt Ion:105 Resp: 693639

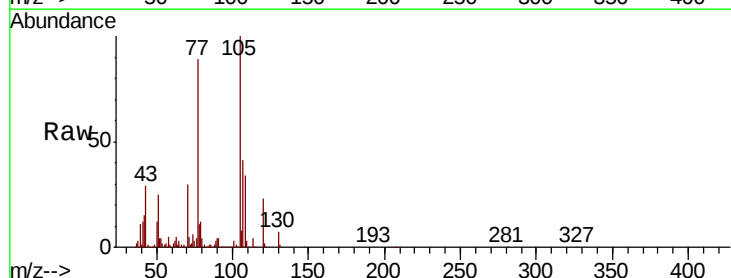
Ion Ratio Lower Upper

105 100

71 5.0 5.4 8.0#

51 24.8 22.5 33.7

120 22.6 18.4 27.6

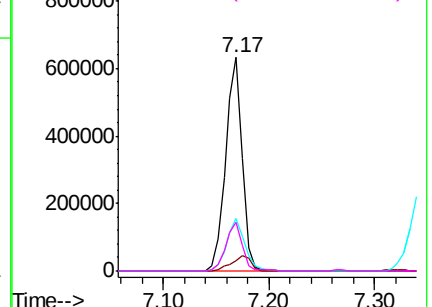
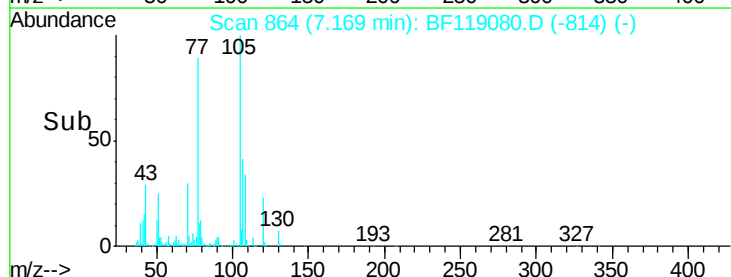


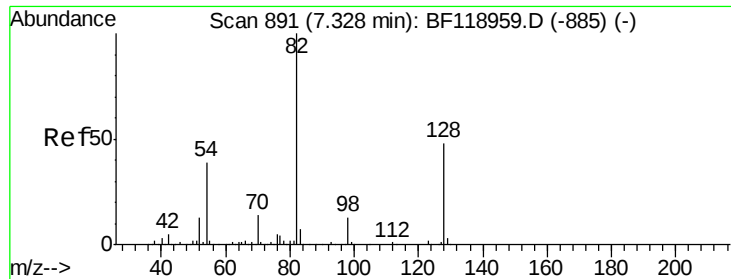
Abundance Ion 105.00 (104.70 to 105.70): E

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

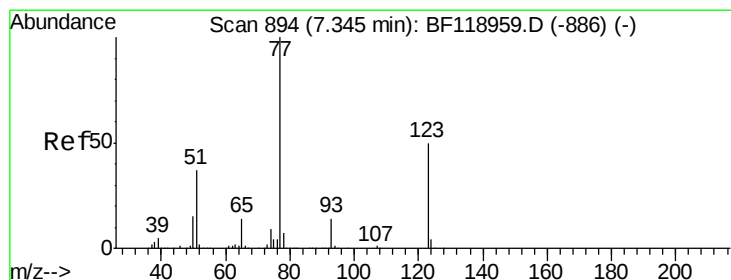
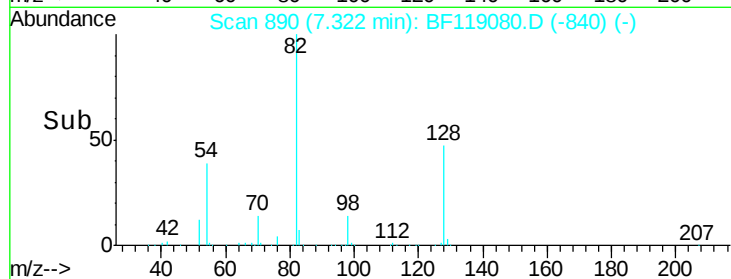
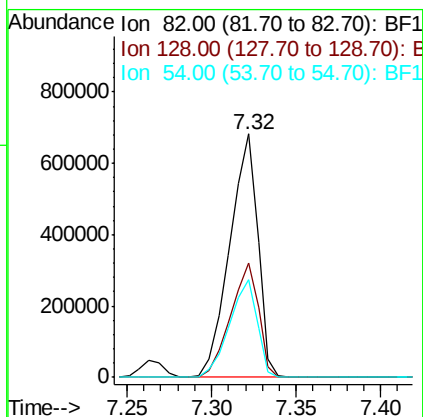
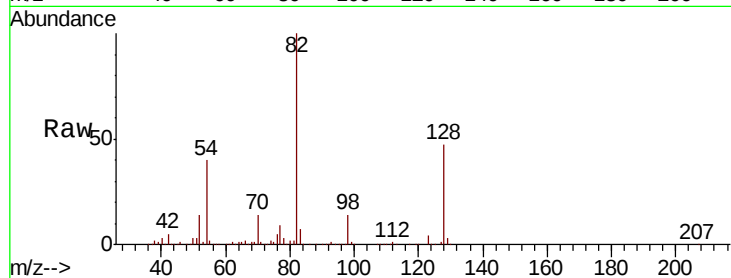




#23
 Nitrobenzene-d5
 Concen: 67.165 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

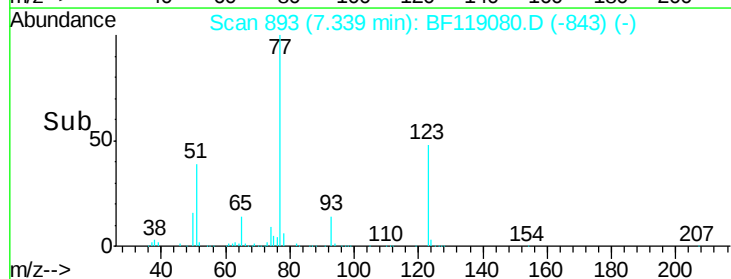
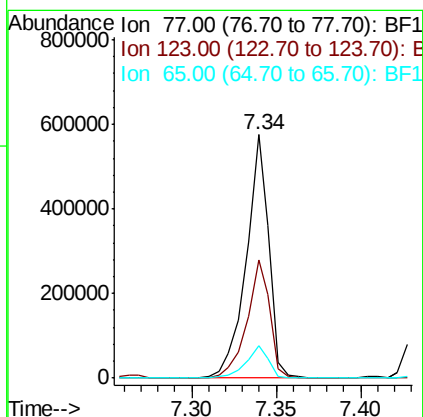
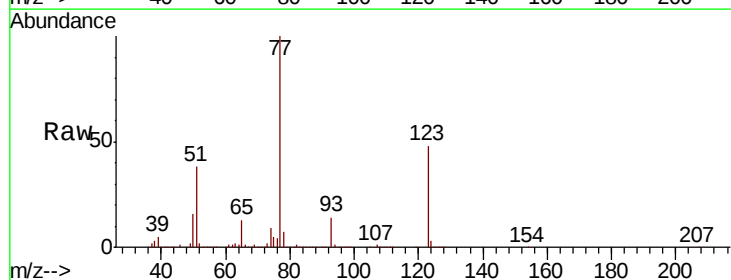
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MS

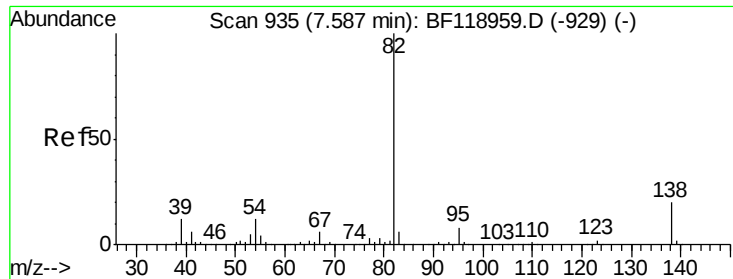
Tot Ion	82	Resp	787461
Ion Ratio	Lower	Upper	
82	100		
128	47.0	38.2	57.2
54	40.3	31.3	46.9



#24
 Nitrobenzene
 Concen: 46.001 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

Tgt Ion	77	Resp	533340
Ion Ratio	Lower	Upper	
77	100		
123	48.3	40.1	60.1
65	13.4	10.9	16.3

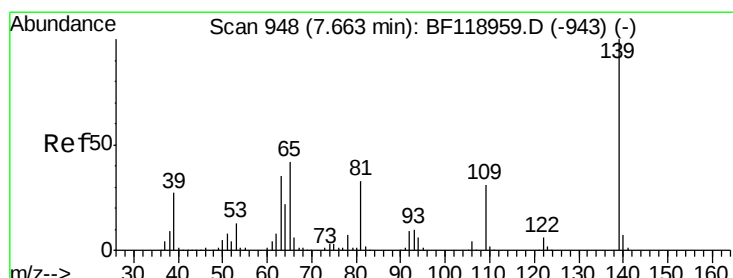
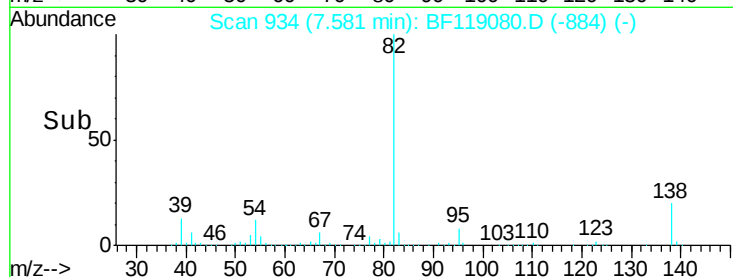
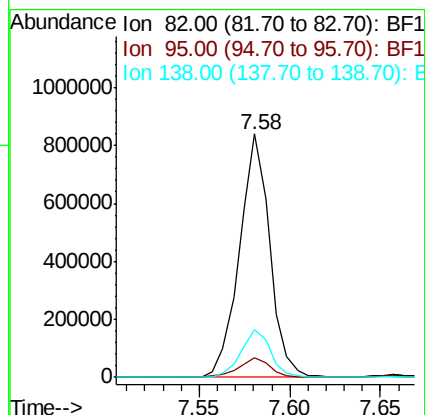
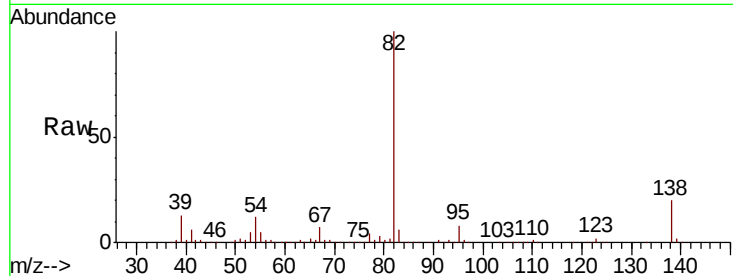




#25
Isophorone
Concen: 47.714 ng
RT: 7.58 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

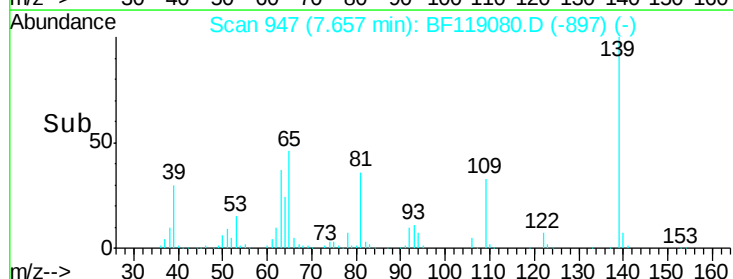
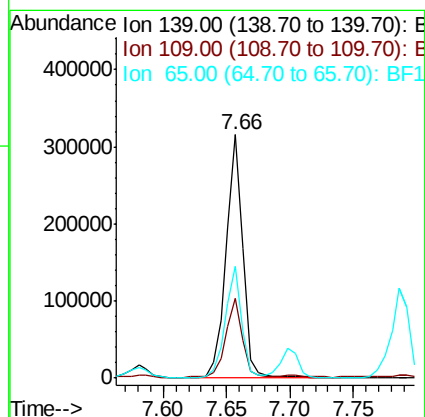
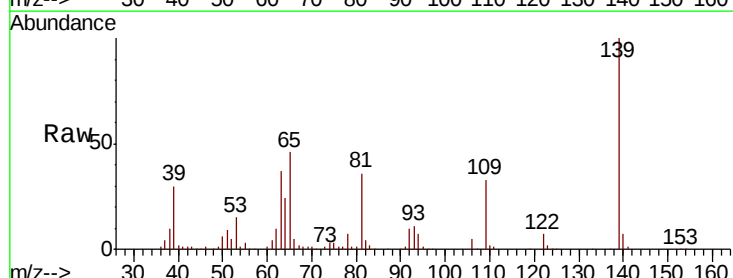
Instrument :
BNA_F
ClientSampled :
72-11991MS

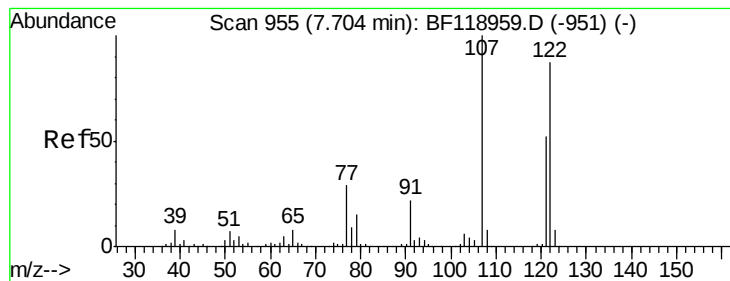
Tot Ion: 82 Resp: 971541
Ion Ratio Lower Upper
82 100
95 8.2 6.1 9.1
138 19.6 15.8 23.6



#26
2-Nitrophenol
Concen: 47.232 ng
RT: 7.66 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion: 139 Resp: 290153
Ion Ratio Lower Upper
139 100
109 32.9 24.6 36.8
65 45.9 33.6 50.4





#27

2,4-Dimethylphenol

Concen: 44.348 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

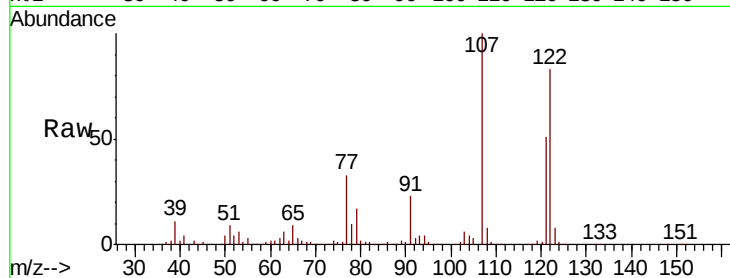
Tot Ion:122 Resp: 369742

Ion Ratio Lower Upper

122 100

107 120.3 91.8 137.8

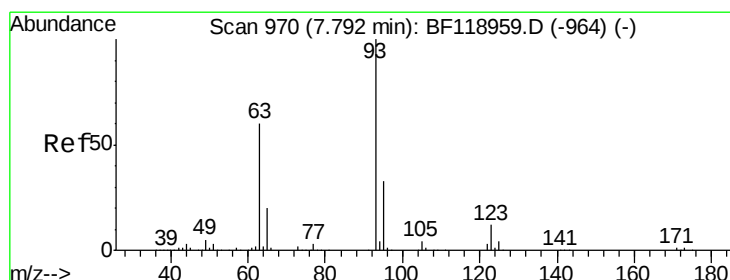
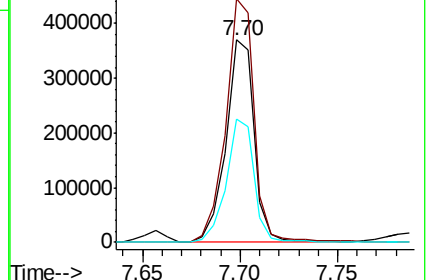
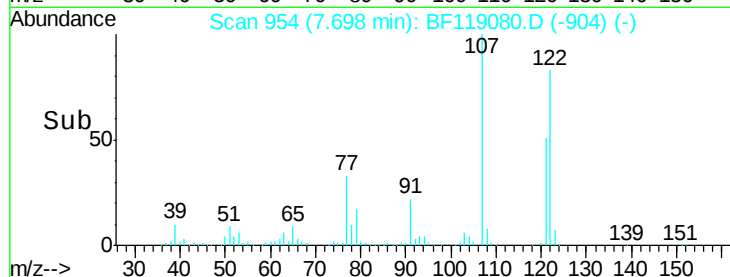
121 61.0 47.4 71.0



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: 44.442 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

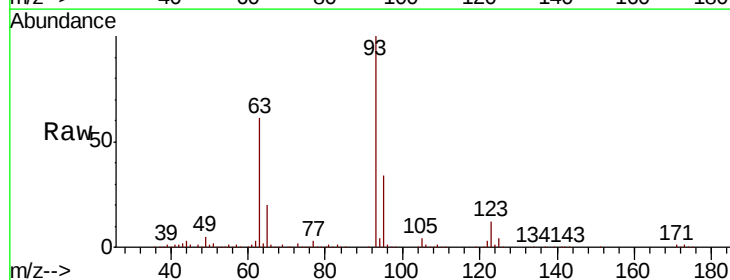
Tgt Ion: 93 Resp: 589007

Ion Ratio Lower Upper

93 100

95 33.5 26.3 39.5

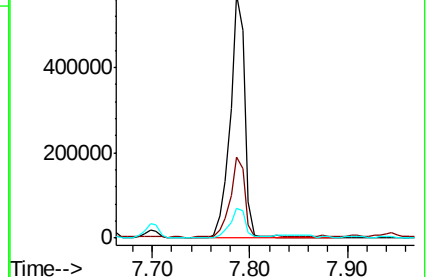
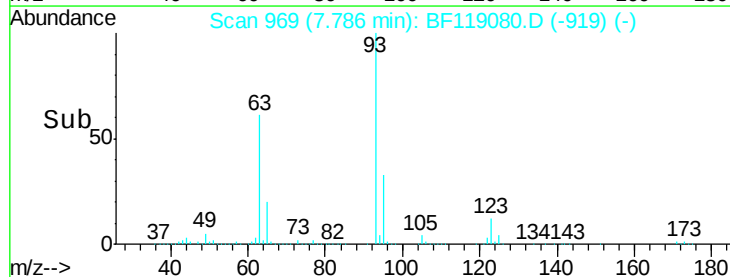
123 12.5 9.8 14.8

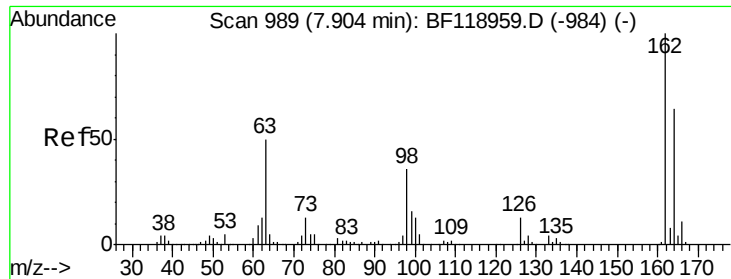


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

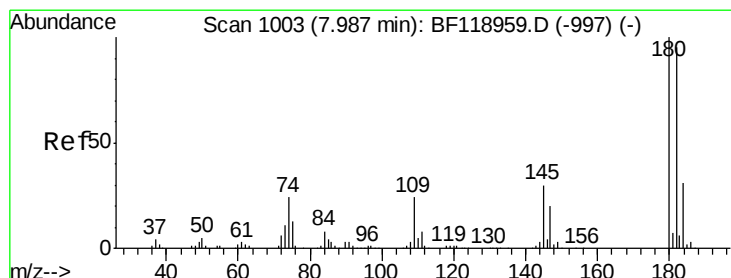
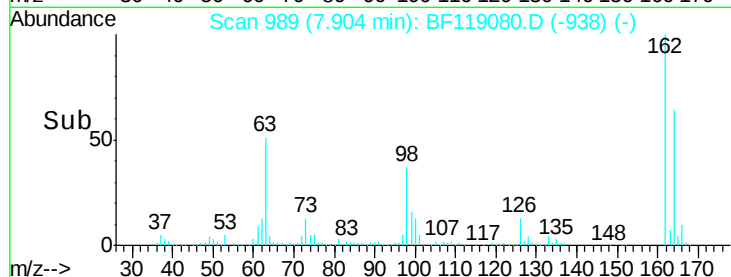
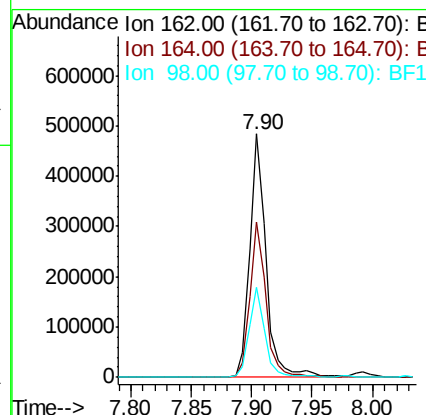
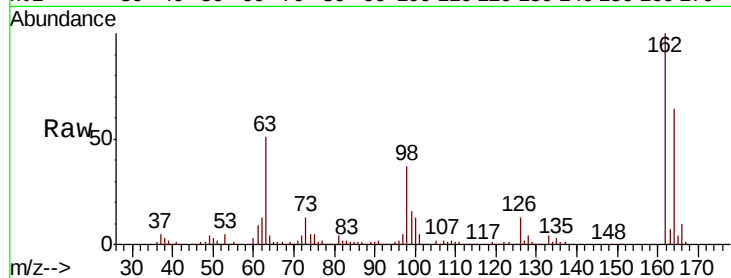




#29
 2,4-Dichlorophenol
 Concen: 46.865 ng
 RT: 7.90 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

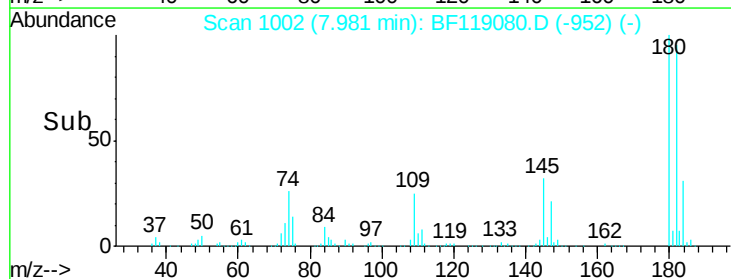
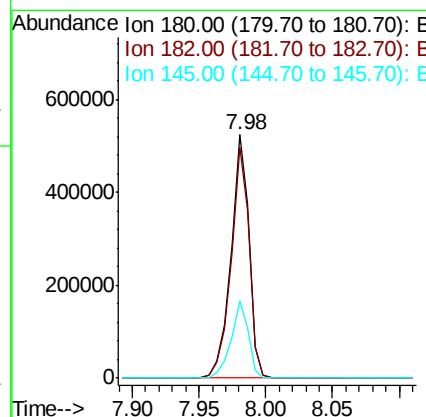
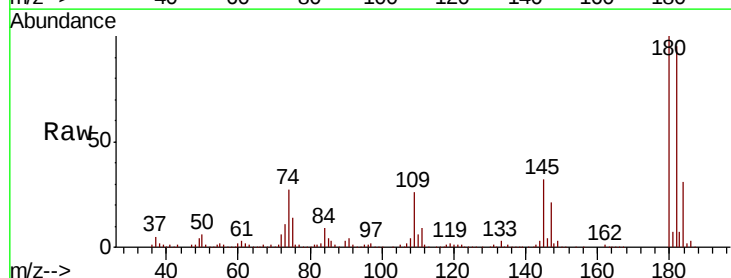
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MS

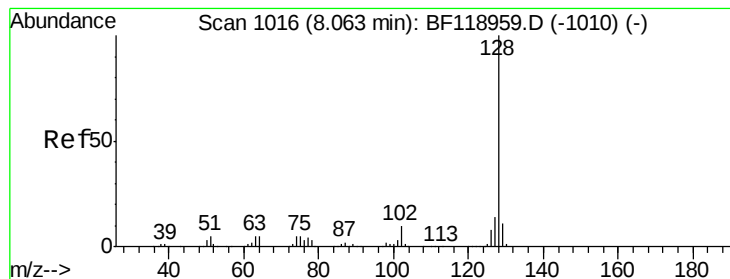
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.1	84.1
98	36.8	16.4	56.4



#30
 1,2,4-Trichlorobenzene
 Concen: 43.203 ng
 RT: 7.98 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.8	113.8
145	31.5	24.2	36.2





#31

Naphthalene

Concen: 44.714 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

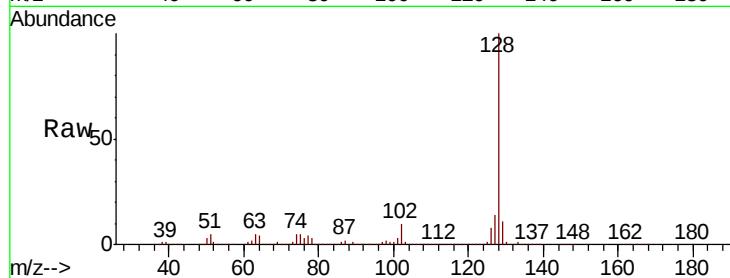
Tot Ion:128 Resp: 1435546

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

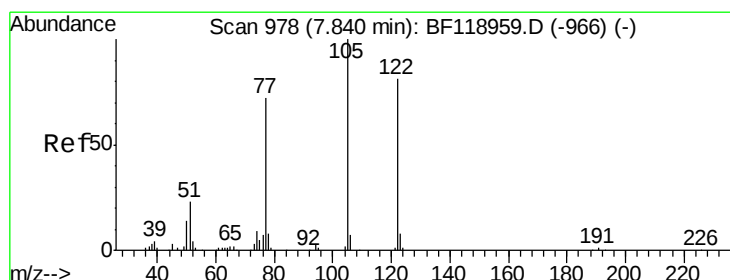
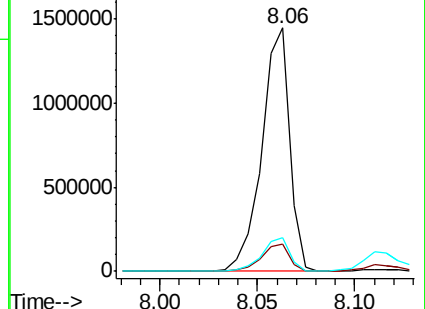
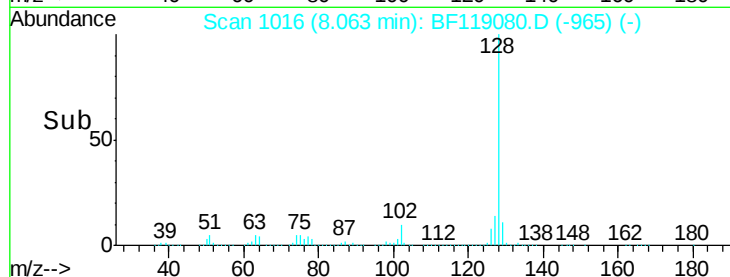
127 13.8 10.9 16.3



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: 49.178 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.02 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

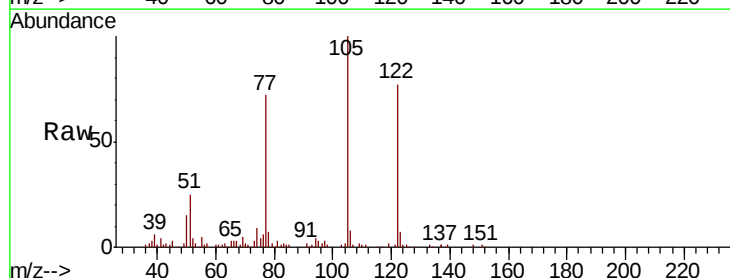
Tgt Ion:122 Resp: 300330

Ion Ratio Lower Upper

122 100

105 130.6 102.2 142.2

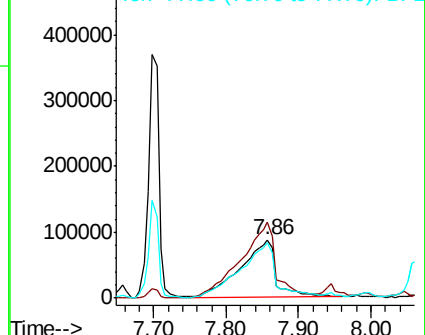
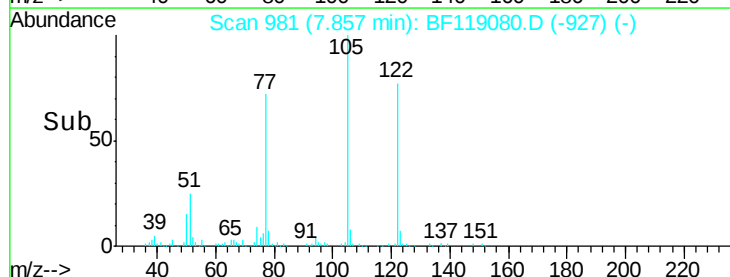
77 94.5 68.6 108.6

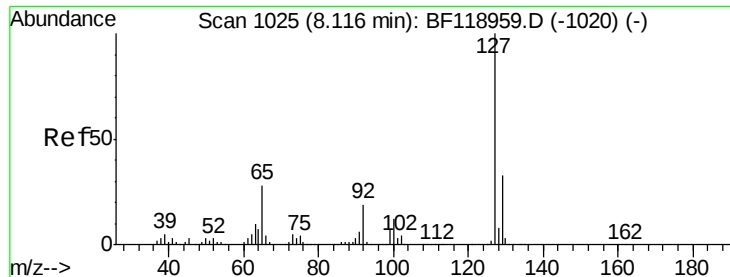


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

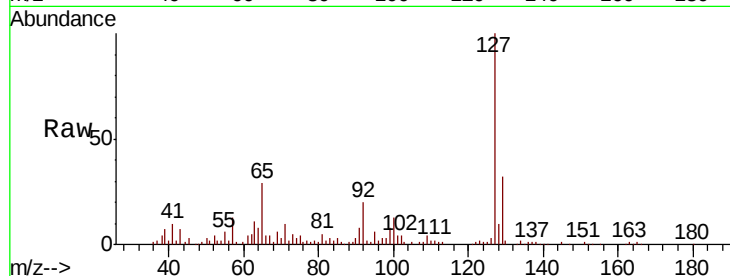




#33
4-Chloroaniline
Concen: 12.934 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Instrument :
BNA_F
ClientSampleId :
72-11991MS

Tot Ion:	127	Resp:	178605
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.2	39.2
65	29.2	22.0	33.0
92	20.1	15.5	23.3



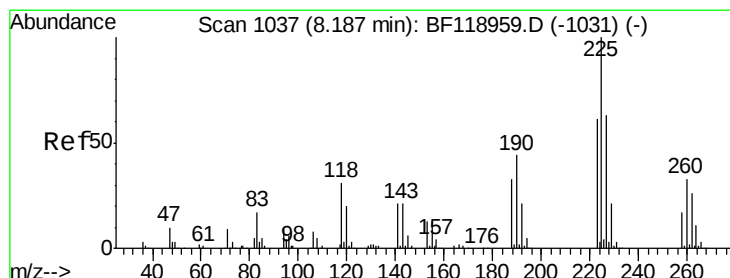
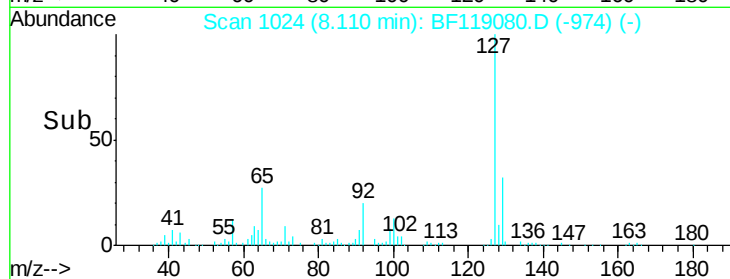
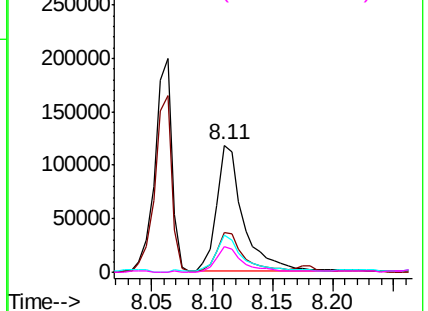
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

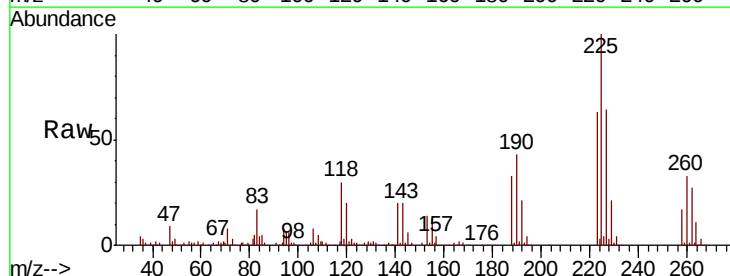
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 42.734 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:	225	Resp:	309766
Ion	Ratio	Lower	Upper
225	100		
223	62.8	48.9	73.3
227	64.5	50.4	75.6

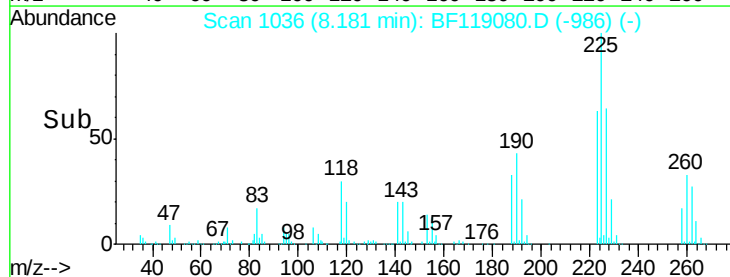
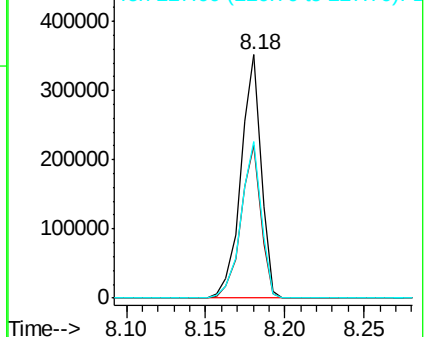


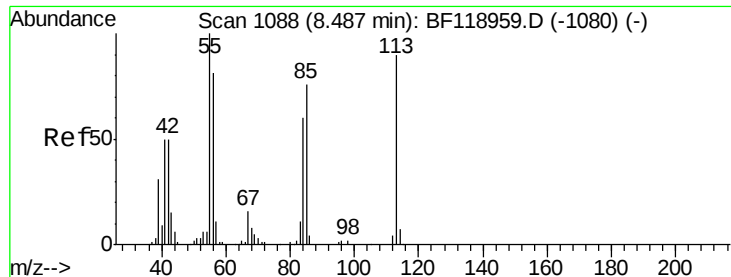
Abundance

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: 50.943 ng

RT: 8.50 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

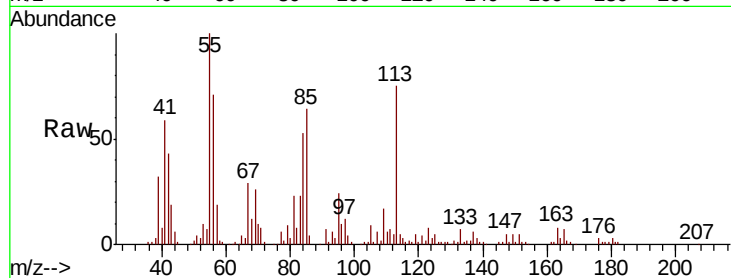
Tot Ion:113 Resp: 153960

Ion Ratio Lower Upper

113 100

55 133.6 90.8 130.8#

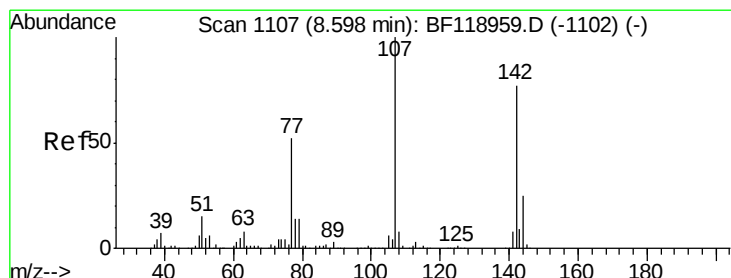
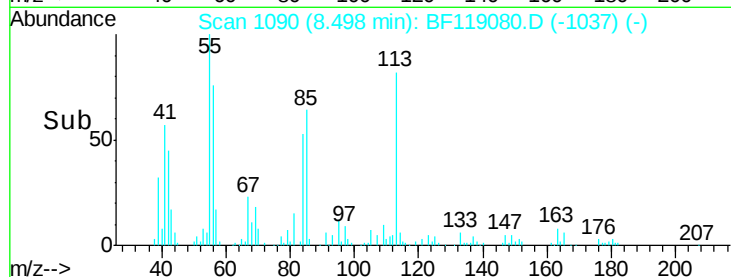
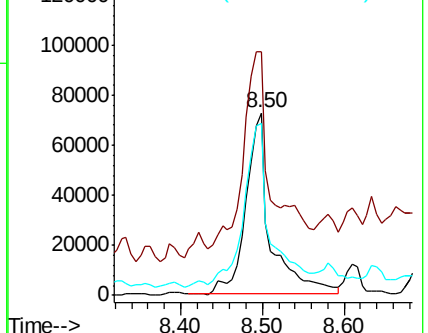
56 94.7 70.0 110.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 46.131 ng

RT: 8.61 min Scan# 1109

Delta R.T. 0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

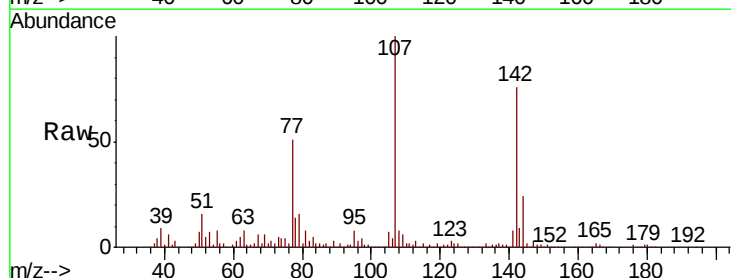
Tgt Ion:107 Resp: 458237

Ion Ratio Lower Upper

107 100

144 24.0 19.8 29.8

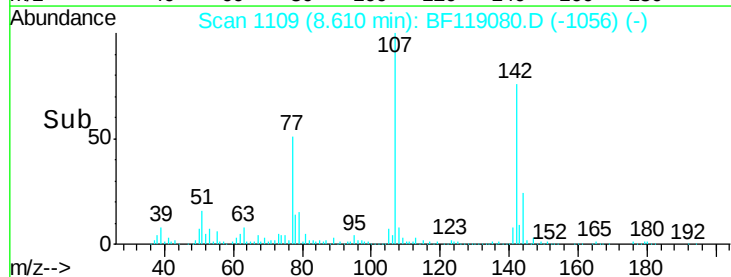
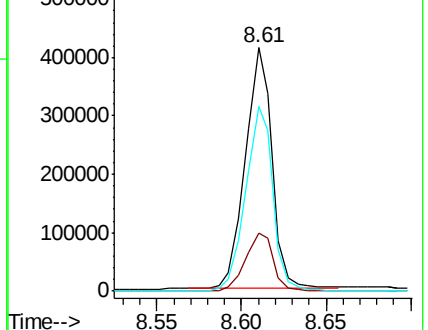
142 75.9 61.3 91.9

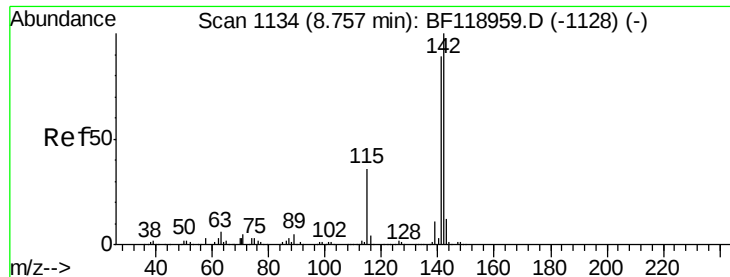


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

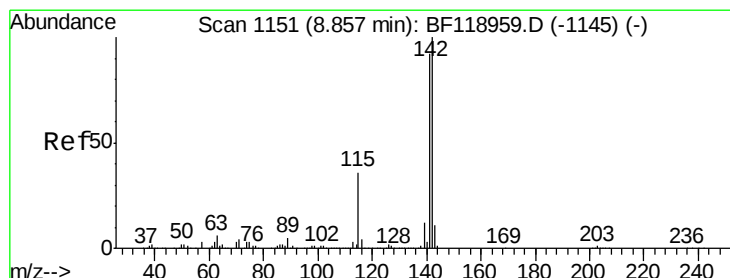
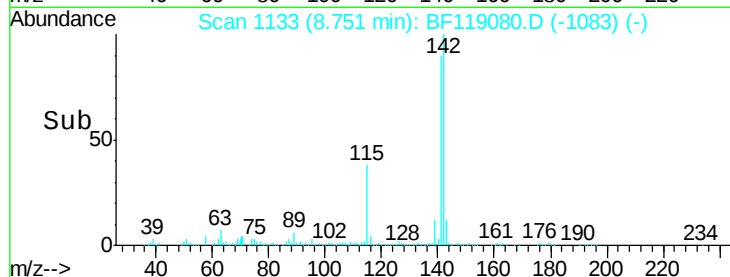
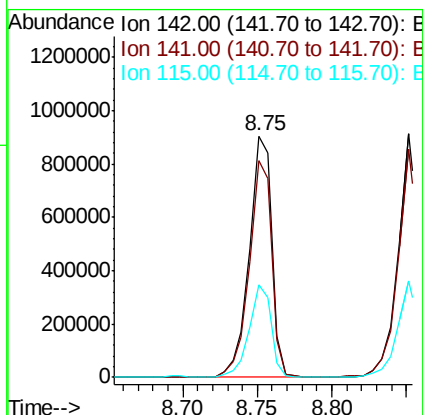
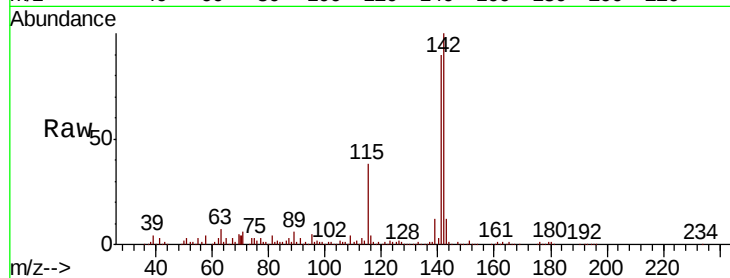




#37
2-Methylnaphthalene
Concen: 43.438 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

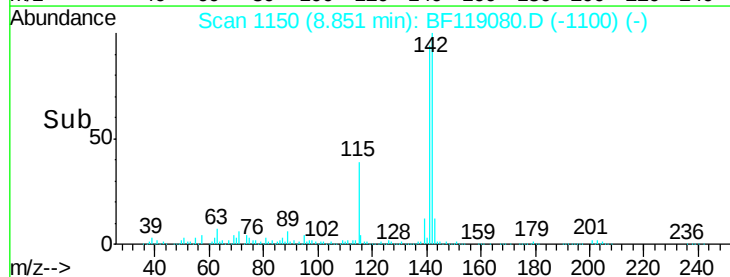
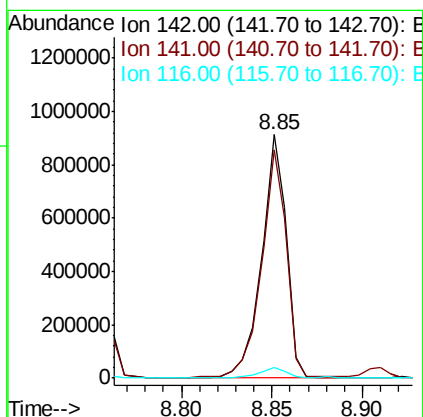
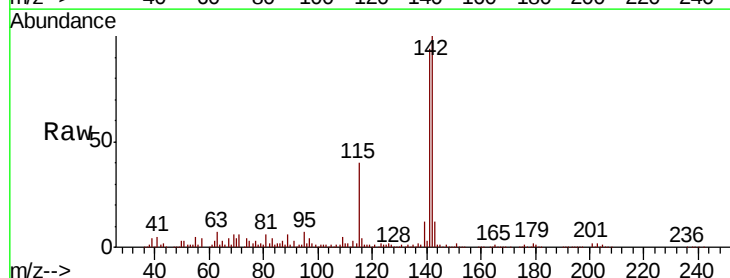
Instrument :
BNA_F
ClientSampleId :
72-11991MS

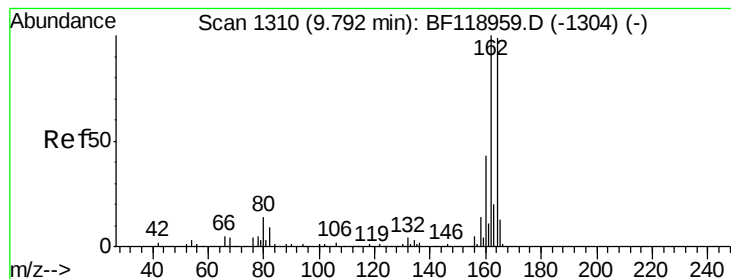
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.0	106.4
115	38.5	28.6	42.8



#38
1-Methylnaphthalene
Concen: 42.372 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	73.7	110.5
116	4.3	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

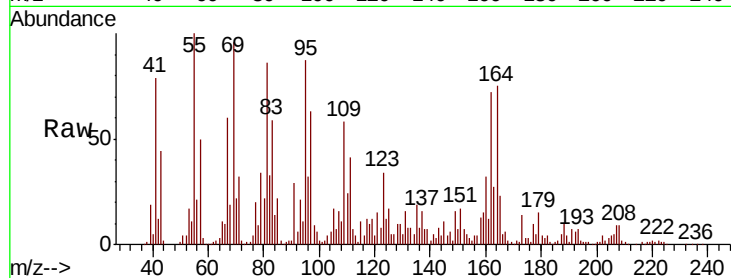
Tot Ion:164 Resp: 242063

Ion Ratio Lower Upper

164 100

162 96.2 81.2 121.8

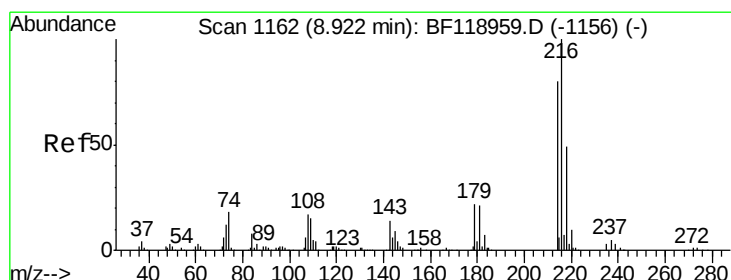
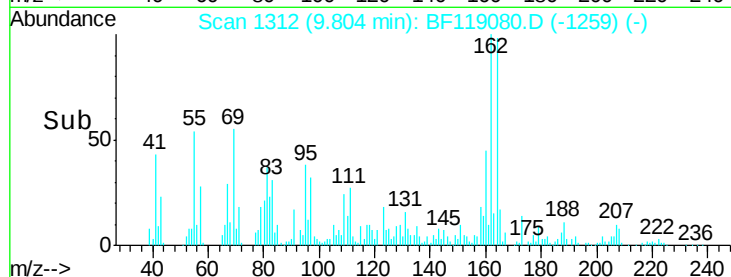
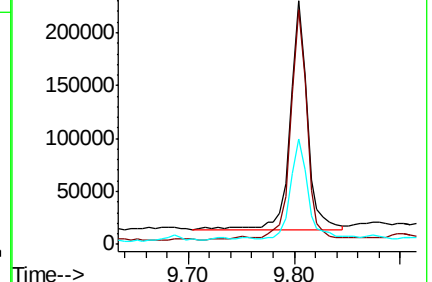
160 43.3 35.2 52.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 55.972 ng

RT: 8.92 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Tgt Ion:216 Resp: 456811

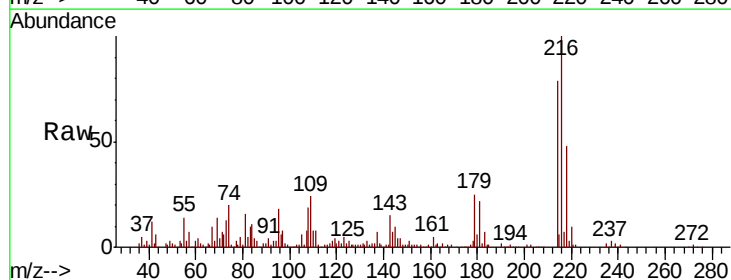
Ion Ratio Lower Upper

216 100

214 78.5 63.1 94.7

179 23.0 17.2 25.8

108 18.0 13.4 20.0

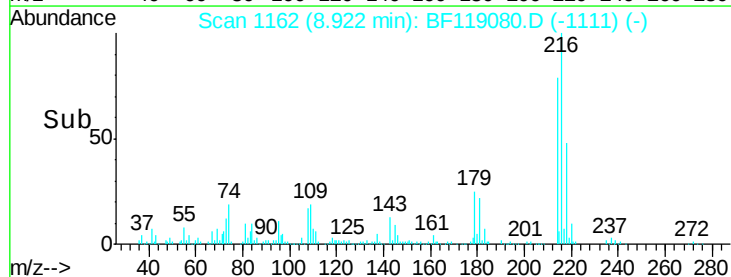
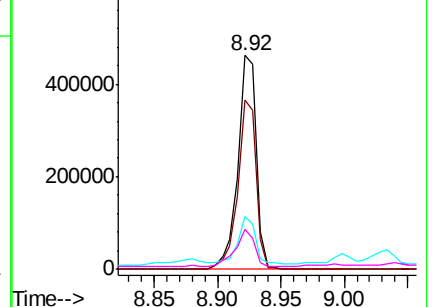


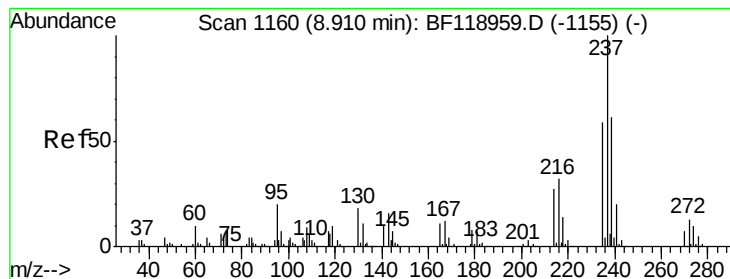
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 95.869 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

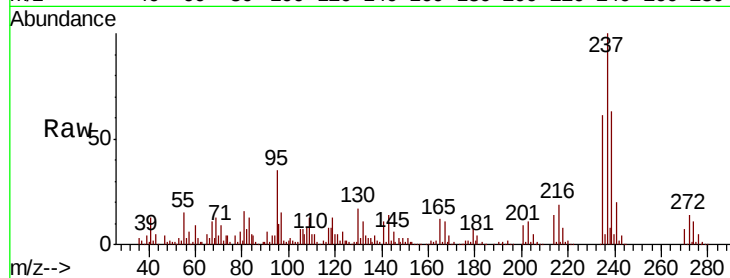
Tot Ion:237 Resp: 291072

Ion Ratio Lower Upper

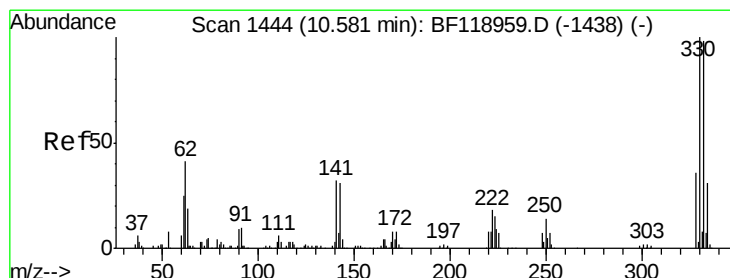
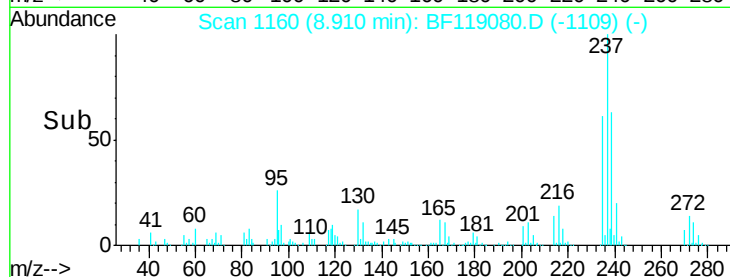
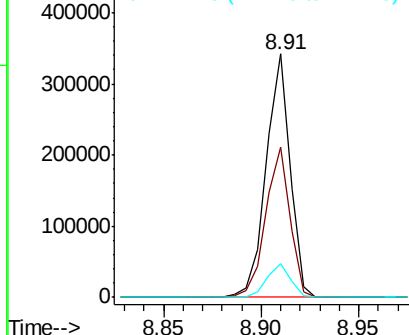
237 100

235 61.5 39.4 79.4

272 13.9 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: 101.418 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.03 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

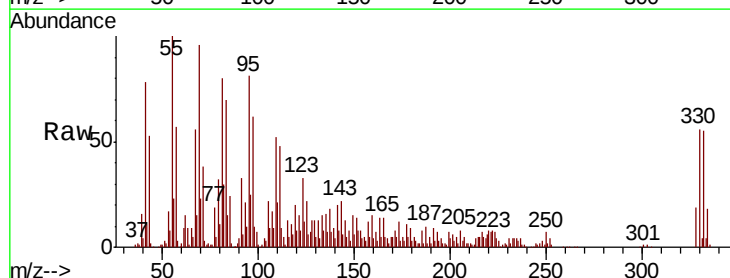
Tgt Ion:330 Resp: 321148

Ion Ratio Lower Upper

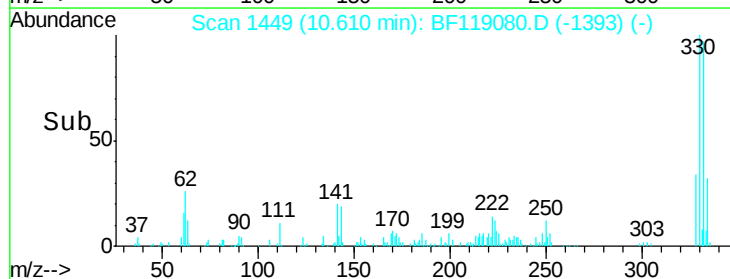
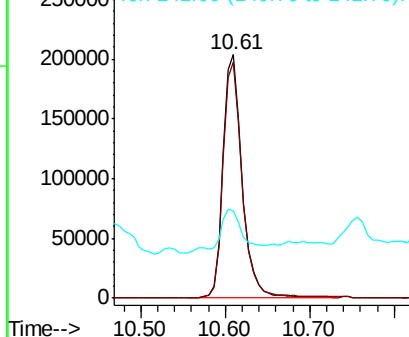
330 100

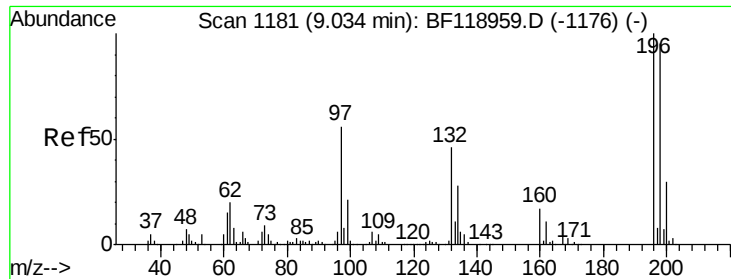
332 97.0 77.1 115.7

141 22.7 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

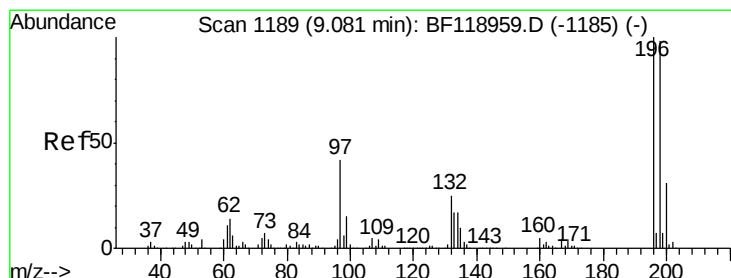
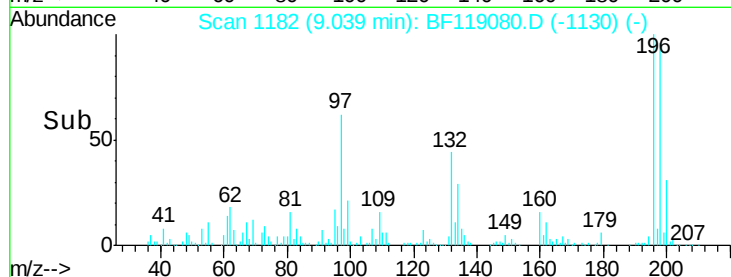
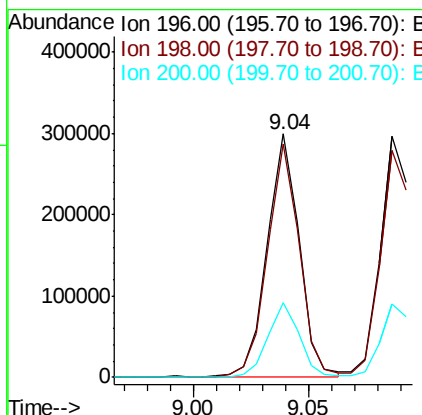
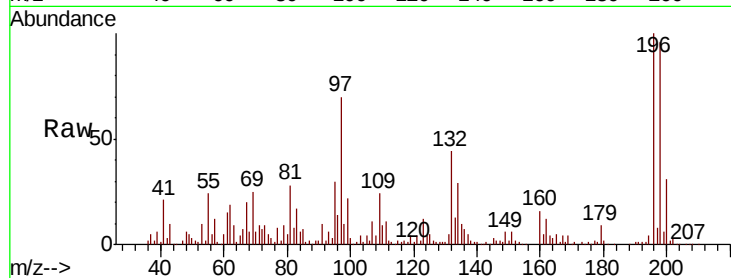




#43
 2,4,6-Trichlorophenol
 Concen: 55.716 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

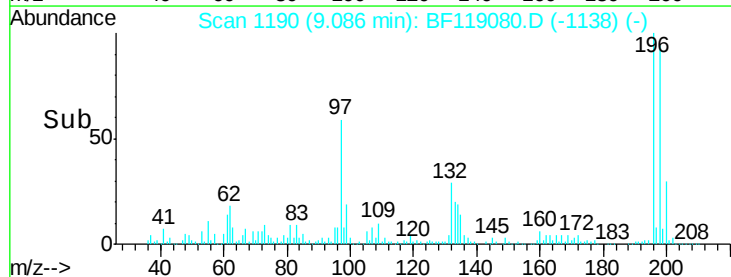
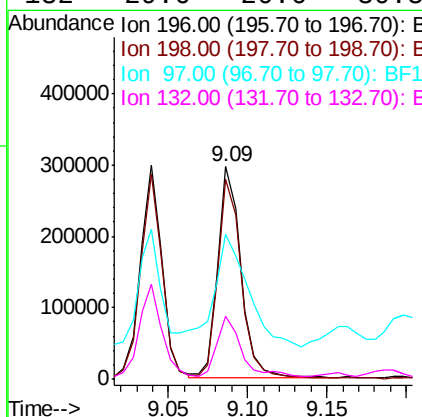
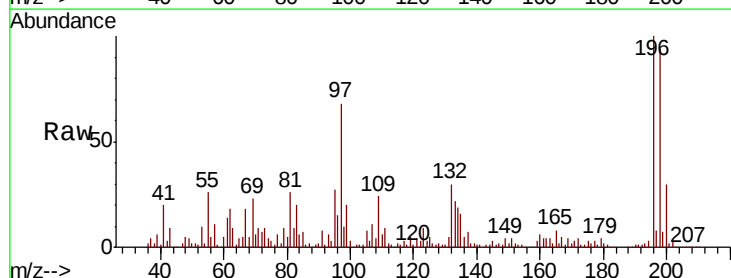
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MS

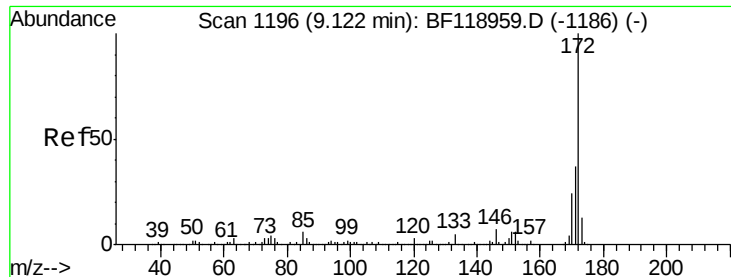
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.8	113.6
200	30.7	24.1	36.1



#44
 2,4,5-Trichlorophenol
 Concen: 55.404 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.0	78.4	117.6
97	68.0	33.4	50.0#
132	29.6	20.6	30.8

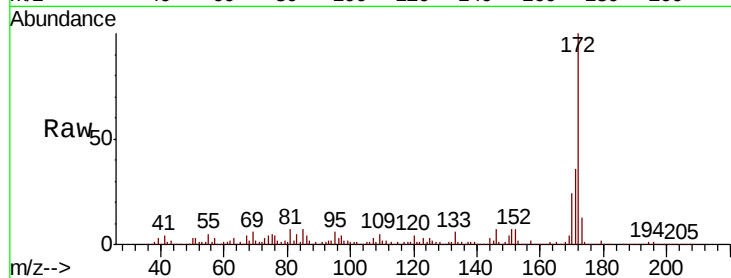




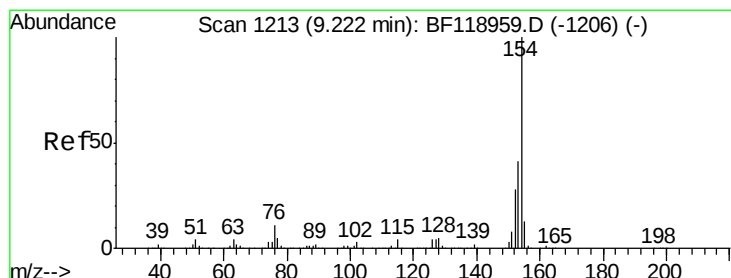
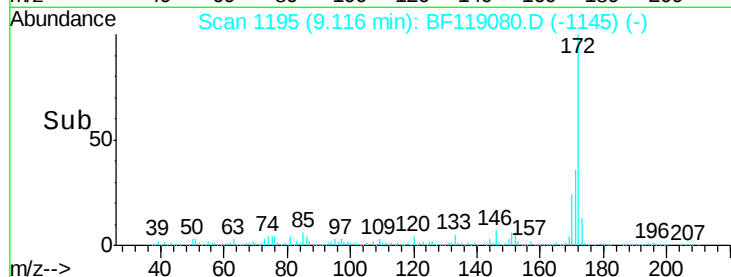
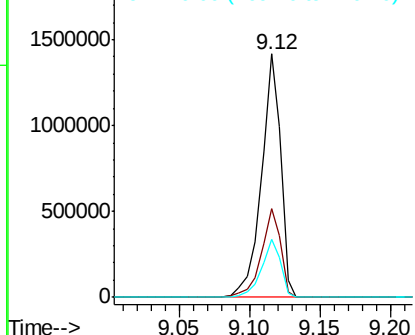
#45
2-Fluorobiphenyl
Concen: 83.602 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Instrument :
BNA_F
ClientSampleId :
72-11991MS

Tot Ion:172 Resp: 1373700
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.2
170 24.0 19.6 29.4

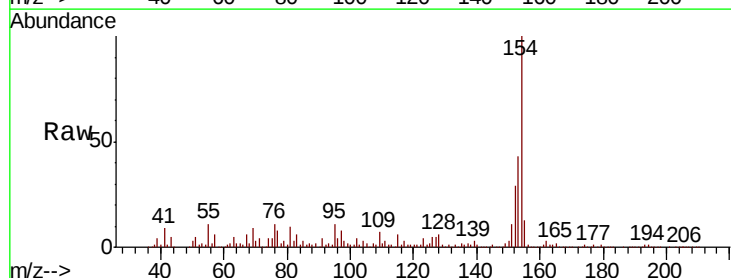


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

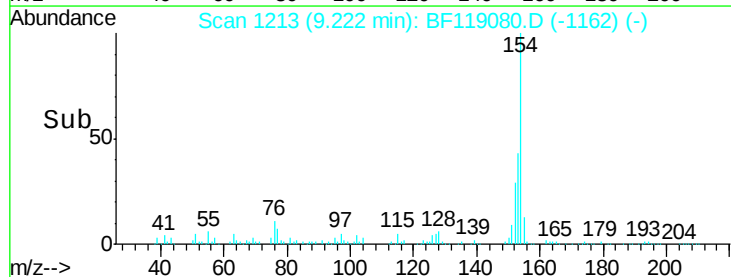
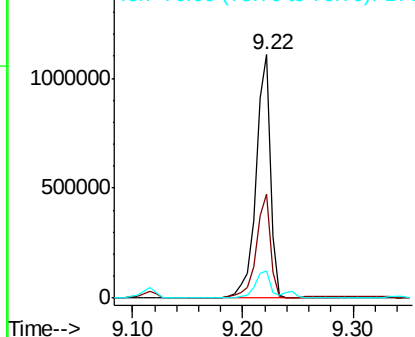


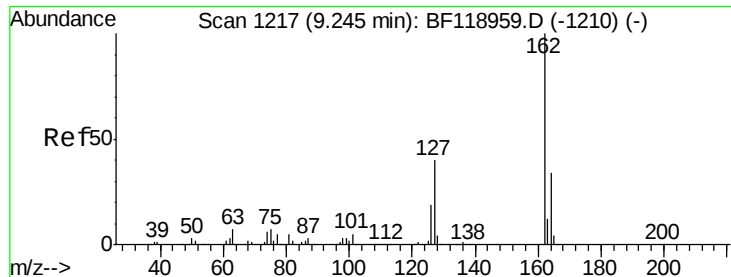
#46
1,1'-Biphenyl
Concen: 51.863 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:154 Resp: 1014629
Ion Ratio Lower Upper
154 100
153 42.8 21.2 61.2
76 11.1 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

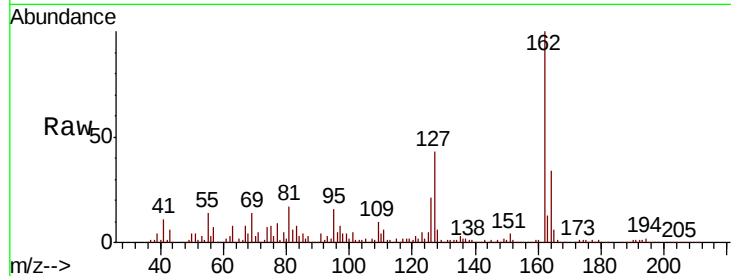




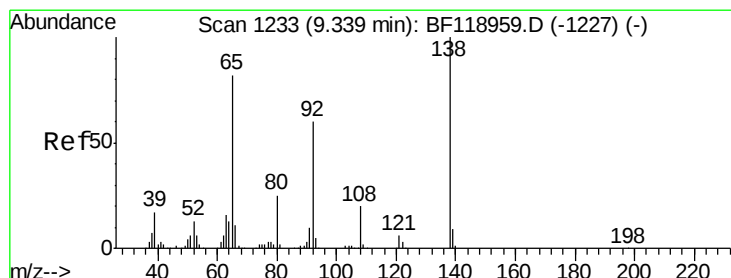
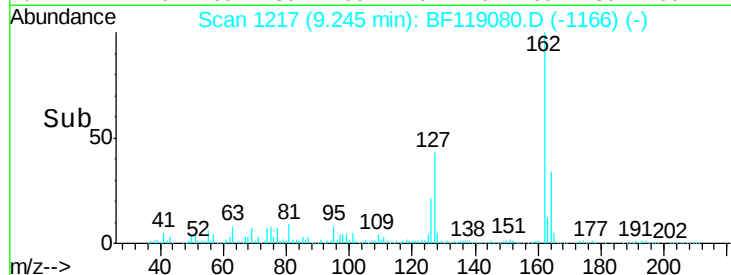
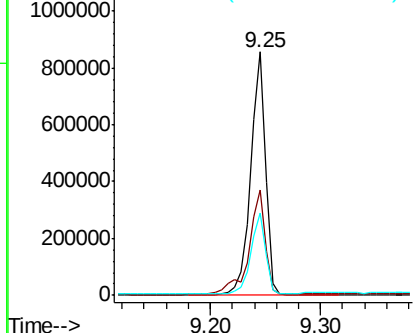
#47
 2-Chloronaphthalene
 Concen: 51.731 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

Instrument :
 BNA_F
 ClientSampleId :
 72-11991MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	43.3	31.9	47.9
164	33.9	26.8	40.2

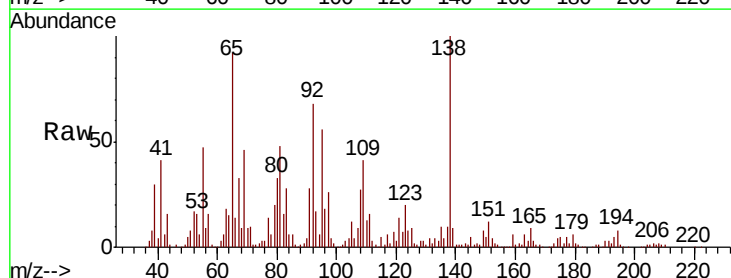


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

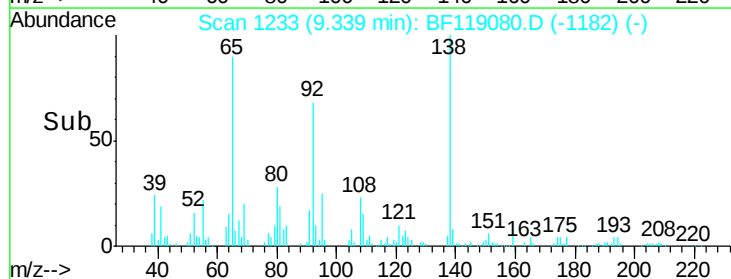
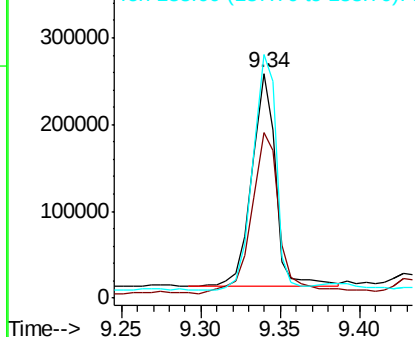


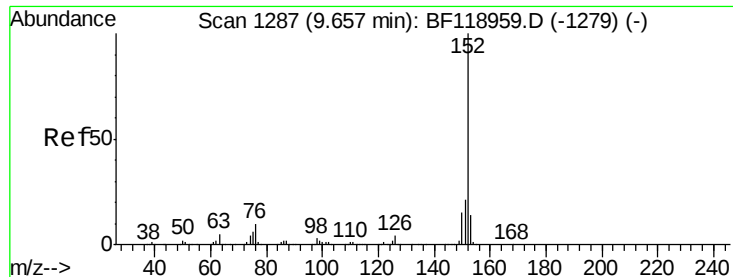
#48
 2-Nitroaniline
 Concen: 58.389 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.7	58.6	87.8
138	108.5	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: 46.902 ng

RT: 9.66 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

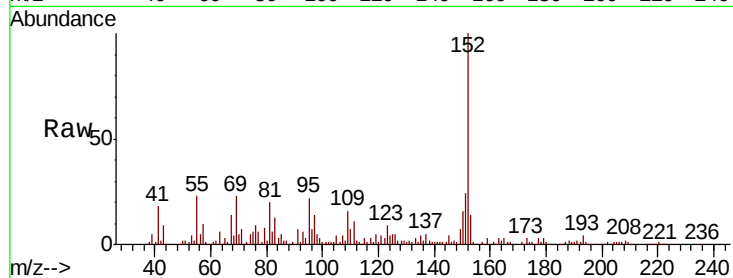
BNA_F

ClientSampleId :

72-11991MS

Tot Ion:152 Resp: 1067961

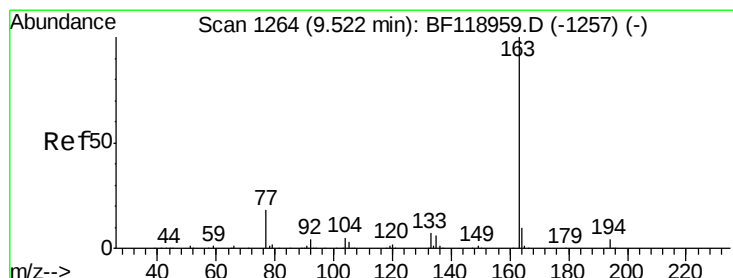
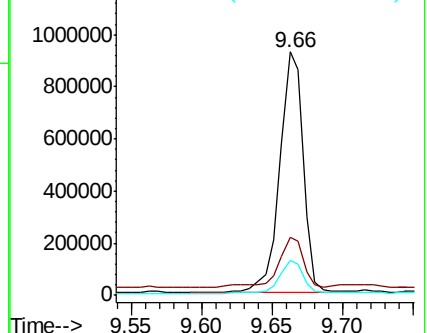
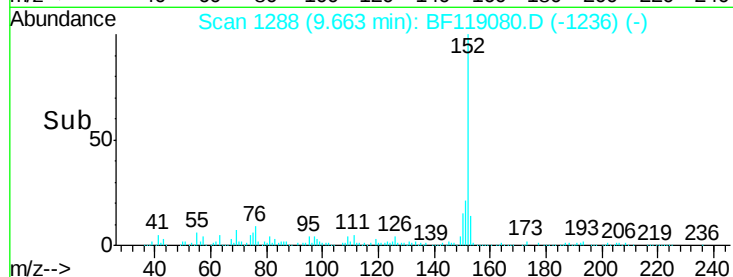
Ion	Ratio	Lower	Upper
152	100		
151	24.0	16.7	25.1
153	14.3	10.9	16.3



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: 52.246 ng

RT: 9.53 min Scan# 1265

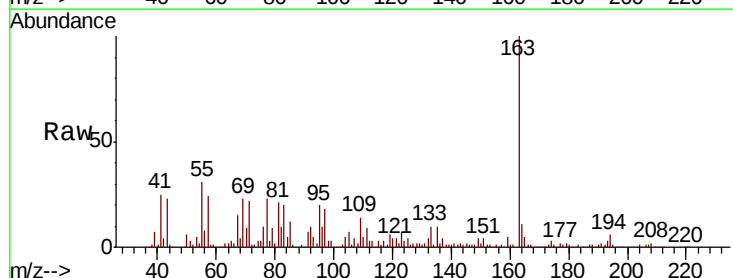
Delta R.T. 0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Tgt Ion:163 Resp: 967069

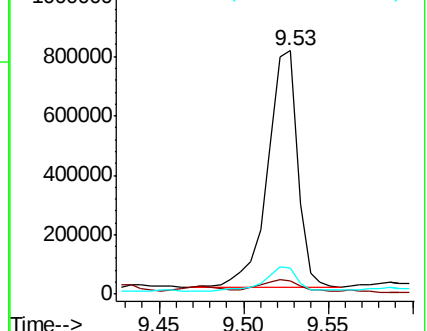
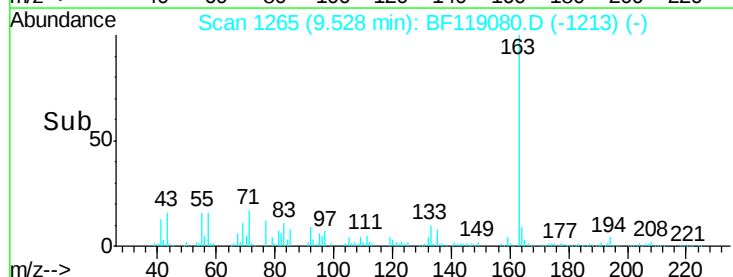
Ion	Ratio	Lower	Upper
163	100		
194	5.6	3.4	5.2#
164	10.9	8.2	12.2

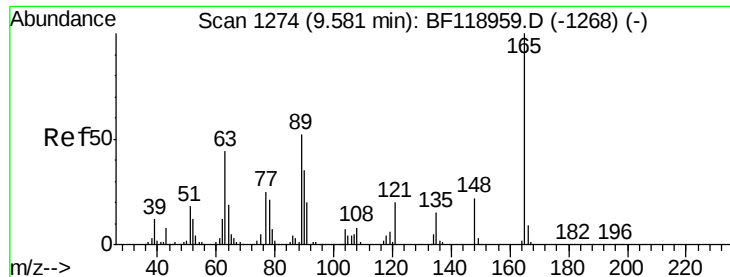


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

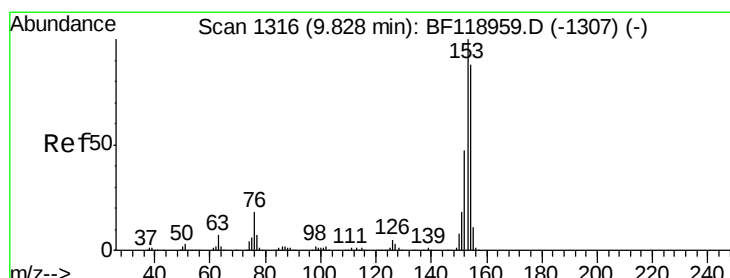
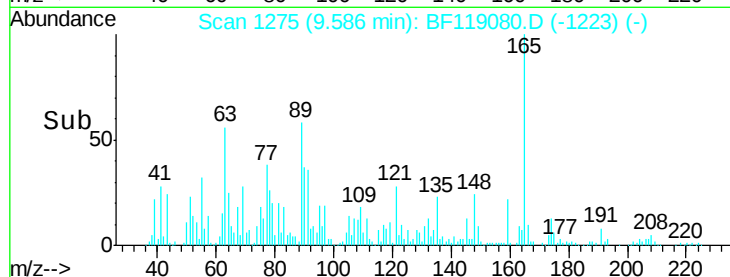
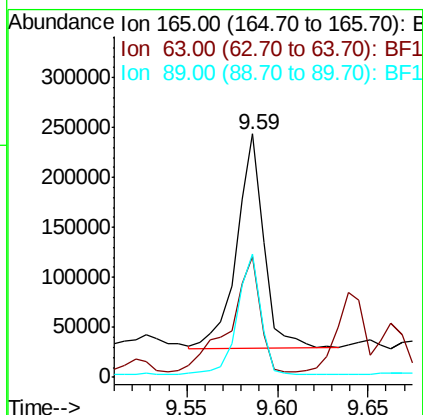
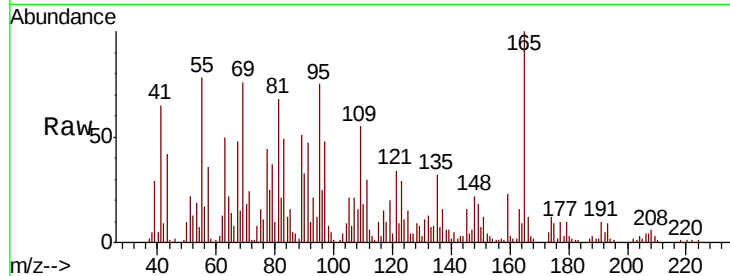




#51
2,6-Dinitrotoluene
Concen: 53.487 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

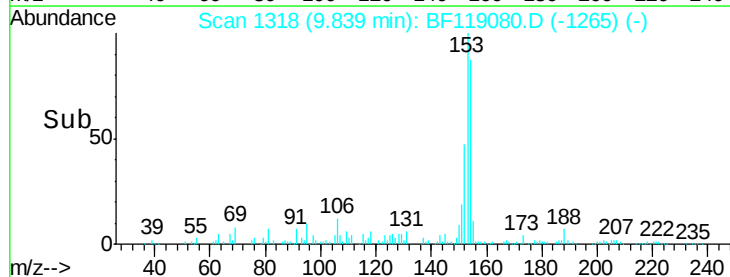
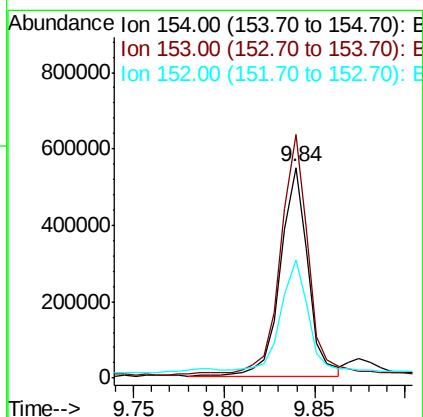
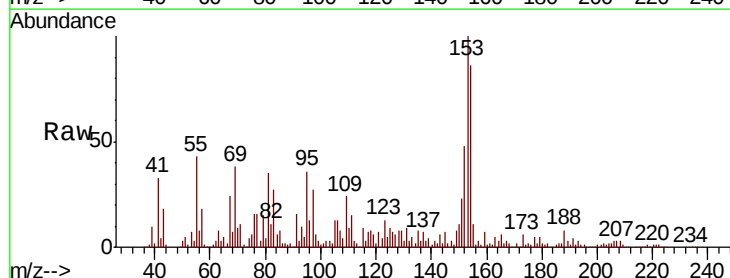
Instrument :
BNA_F
ClientSampleId :
72-11991MS

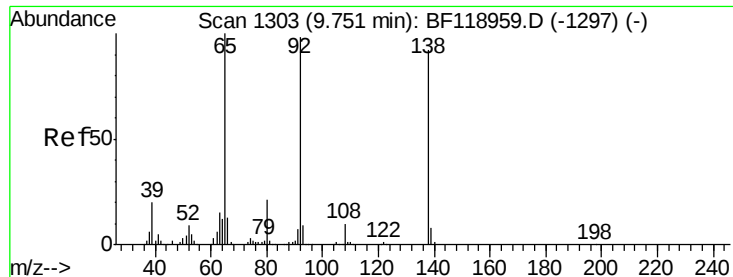
Tot Ion:165 Resp: 219962
Ion Ratio Lower Upper
165 100
63 49.5 37.9 56.9
89 50.6 41.4 62.0



#52
Acenaphthene
Concen: 41.797 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:154 Resp: 573862
Ion Ratio Lower Upper
154 100
153 115.6 90.4 135.6
152 56.1 42.9 64.3

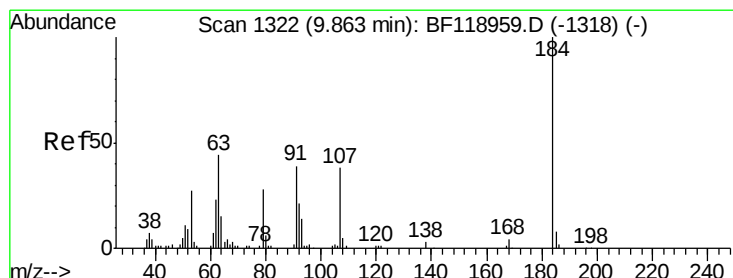
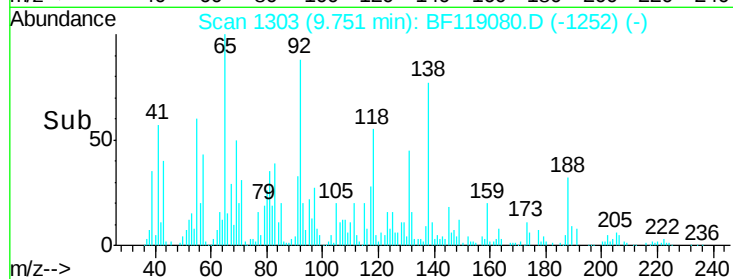
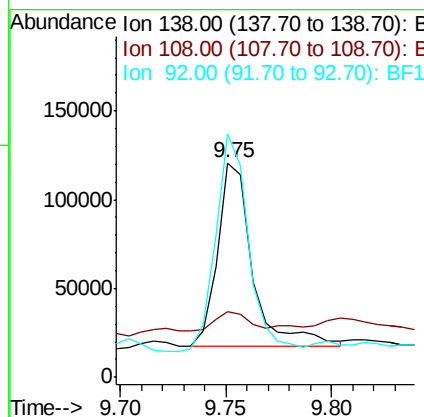
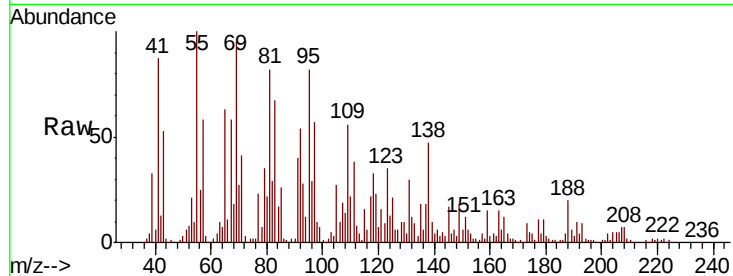




#53
3-Nitroaniline
Concen: 26.207 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

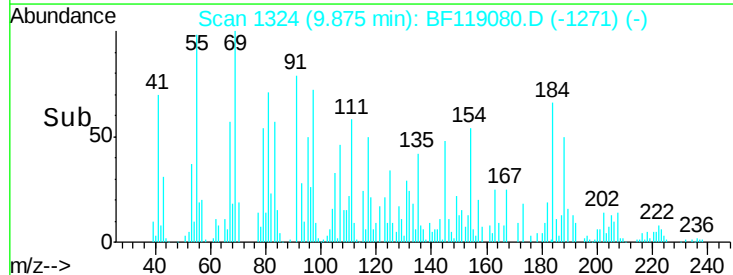
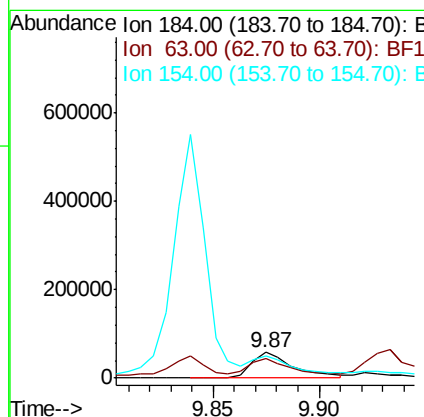
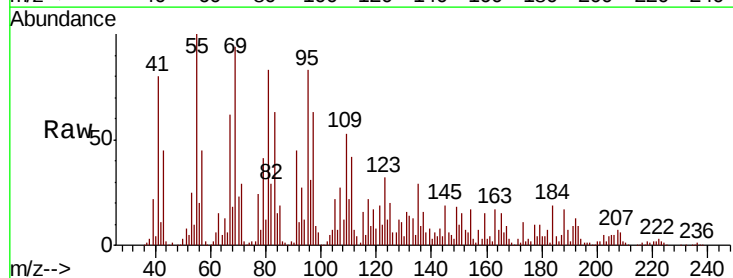
Instrument :
BNA_F
ClientSampleId :
72-11991MS

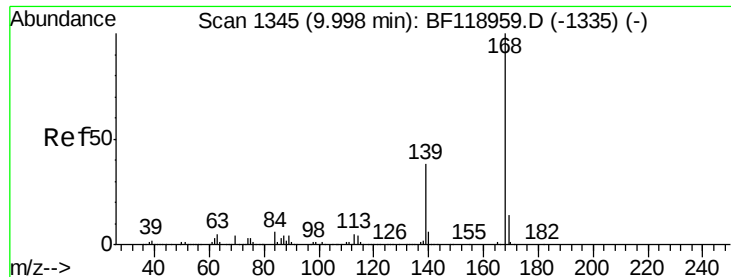
Tot Ion:138 Resp: 119478
Ion Ratio Lower Upper
138 100
108 30.5 8.6 13.0#
92 113.6 84.6 127.0



#54
2,4-Dinitrophenol
Concen: 43.645 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:184 Resp: 79744
Ion Ratio Lower Upper
184 100
63 77.7 37.8 56.6#
154 87.2 47.6 71.4#

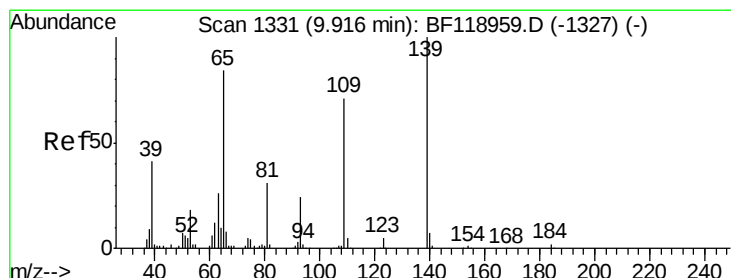
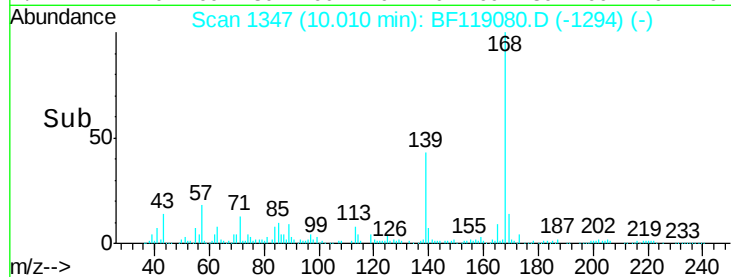
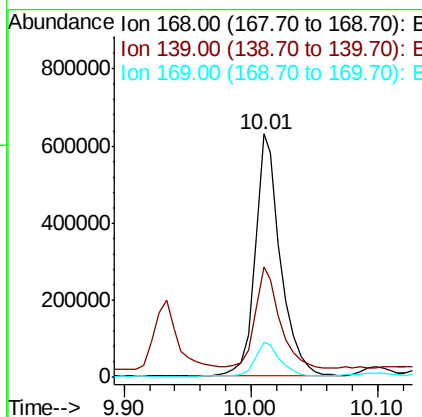
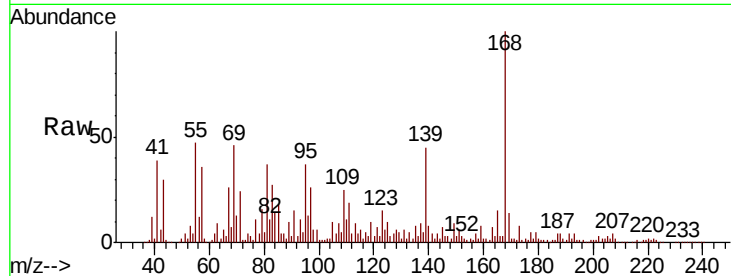




#55
Dibenzofuran
Concen: 42.359 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

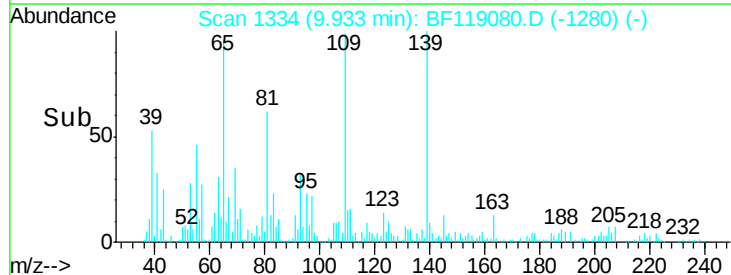
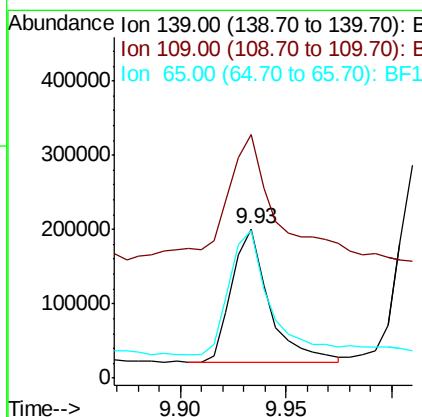
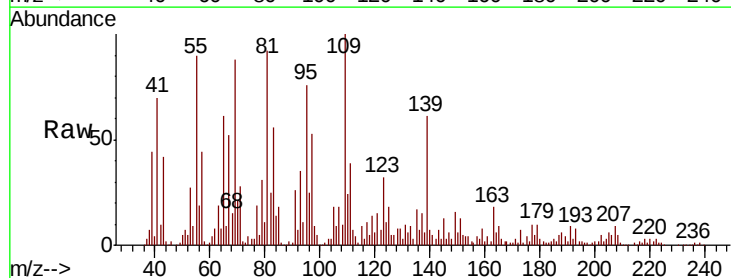
Instrument :
BNA_F
ClientSampleId :
72-11991MS

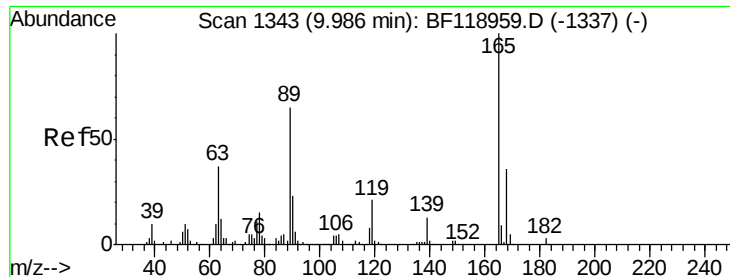
Tot Ion:168 Resp: 868062
Ion Ratio Lower Upper
168 100
139 45.3 31.7 47.5
169 14.2 11.0 16.4



#56
4-Nitrophenol
Concen: 81.480 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.02 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:139 Resp: 223190
Ion Ratio Lower Upper
139 100
109 163.0 51.1 91.1#
65 98.8 64.7 104.7

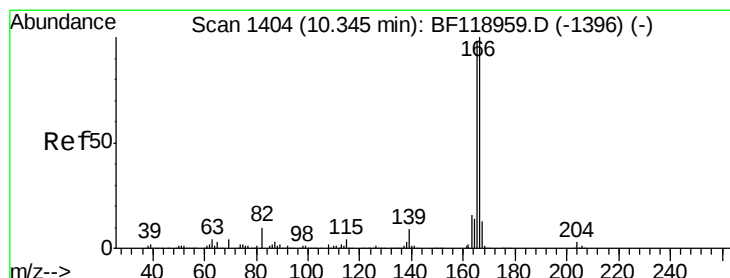
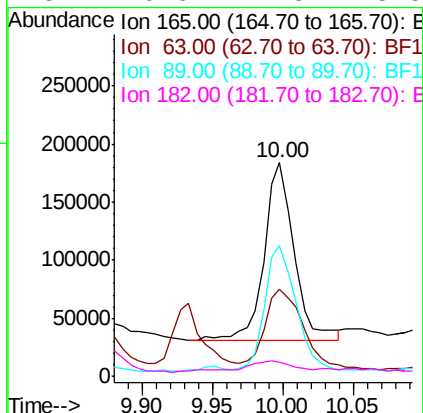
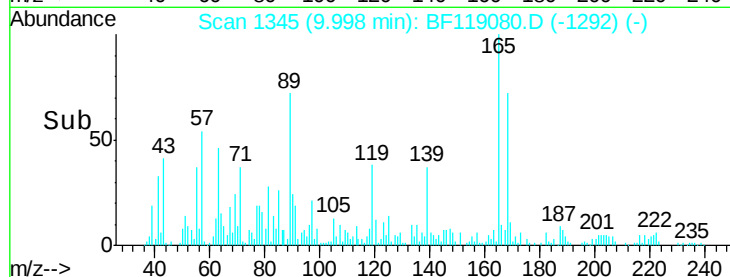
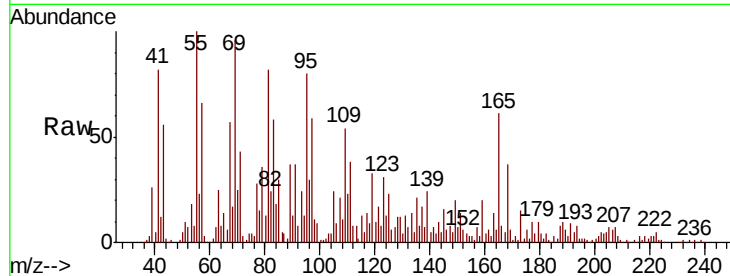




#57
2,4-Dinitrotoluene
Concen: 43.159 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

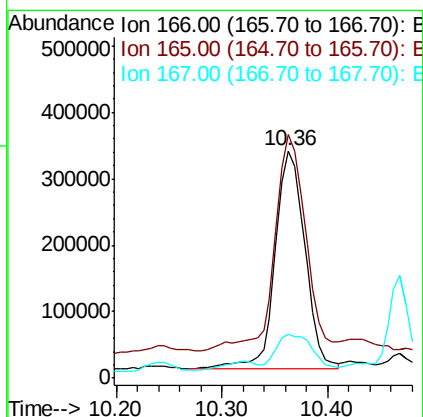
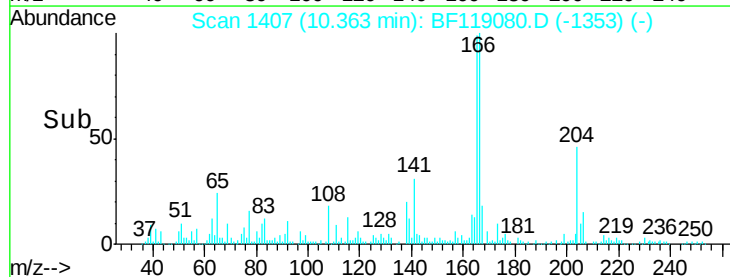
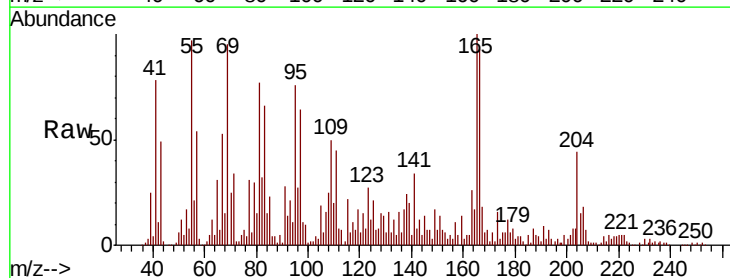
Instrument :
BNA_F
ClientSampleId :
72-11991MS

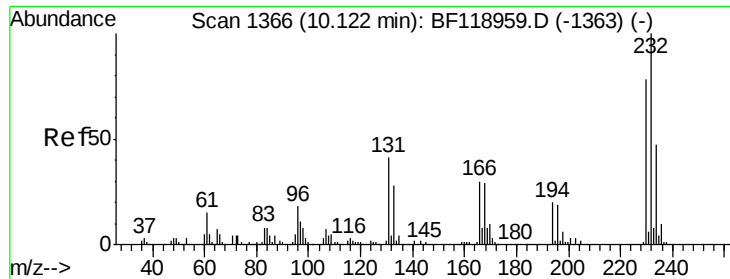
Tot Ion:165 Resp: 230055
Ion Ratio Lower Upper
165 100
63 41.0 29.8 44.8
89 61.3 51.9 77.9
182 6.6 2.3 3.5#



#58
Fluorene
Concen: 40.052 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.02 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:166 Resp: 637807
Ion Ratio Lower Upper
166 100
165 107.0 78.2 117.4
167 19.4 10.6 16.0#

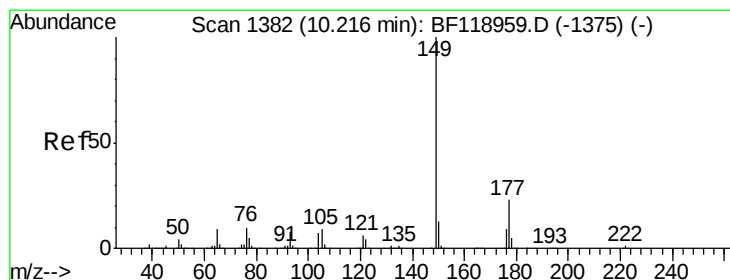
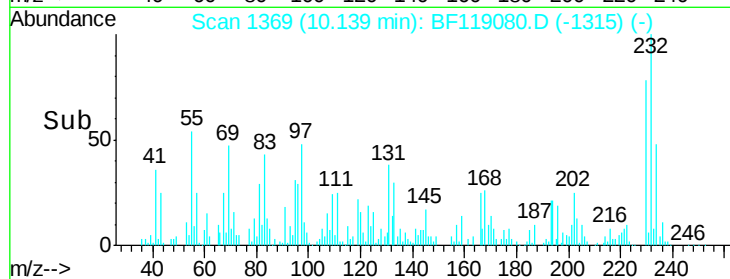
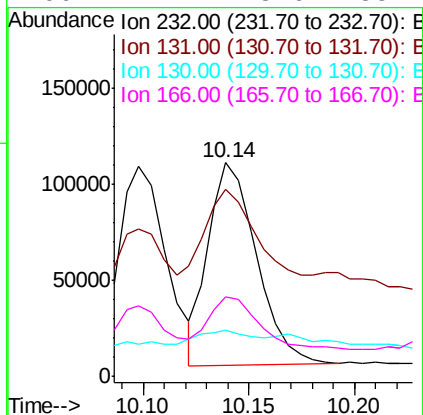
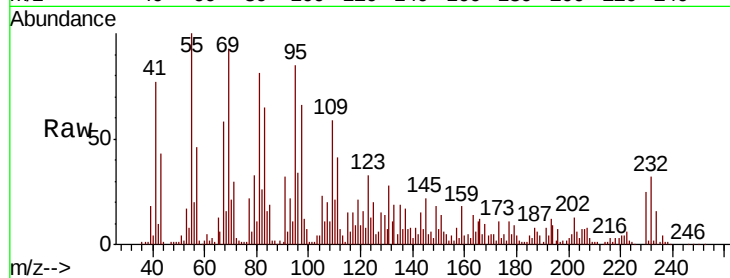




#59
2,3,4,6-Tetrachlorophenol
Concen: 36.825 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.02 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

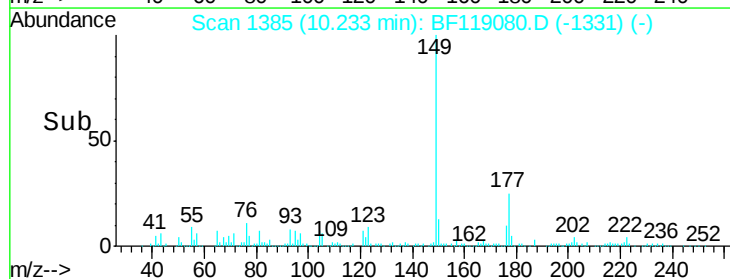
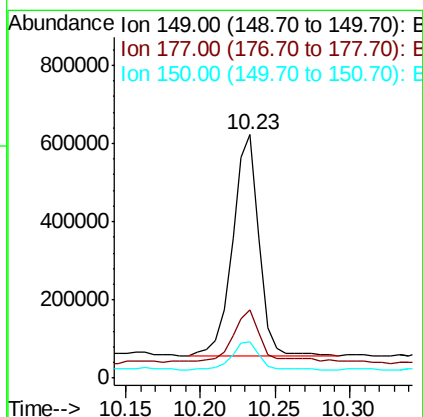
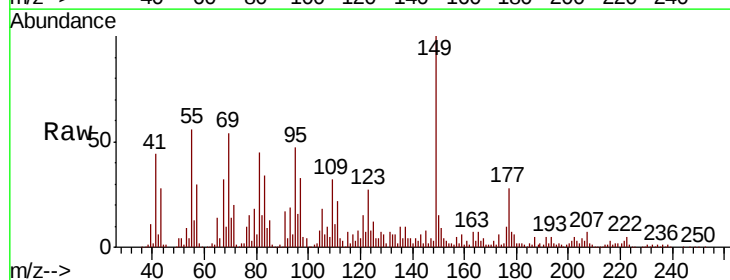
Instrument :
BNA_F
ClientSampleId :
72-11991MS

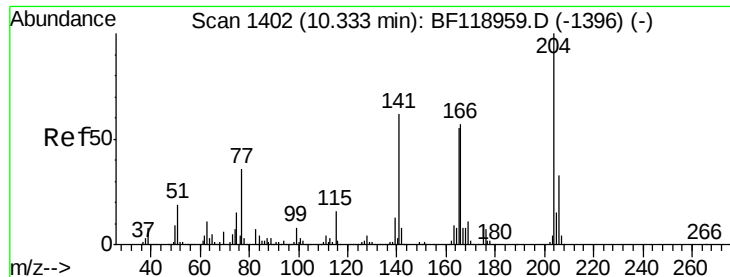
Tot Ion:232 Resp: 168049
Ion Ratio Lower Upper
232 100
131 45.4 34.0 51.0
130 7.5 1.6 2.4#
166 27.7 23.6 35.4



#60
Diethylphthalate
Concen: 39.892 ng
RT: 10.23 min Scan# 1385
Delta R.T. 0.02 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:149 Resp: 695853
Ion Ratio Lower Upper
149 100
177 27.8 18.1 27.1#
150 14.9 10.4 15.6

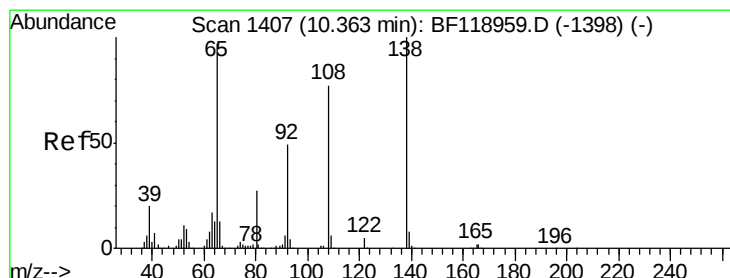
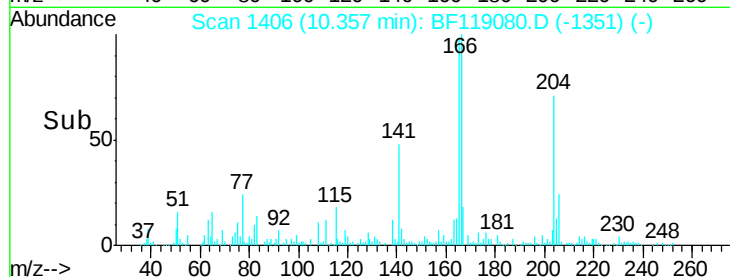
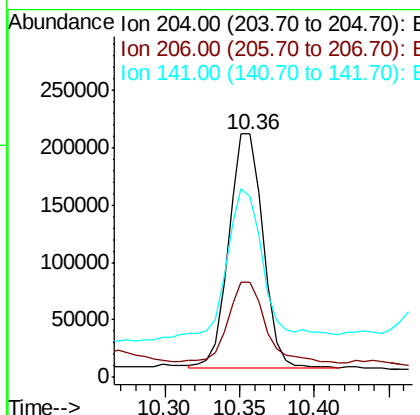
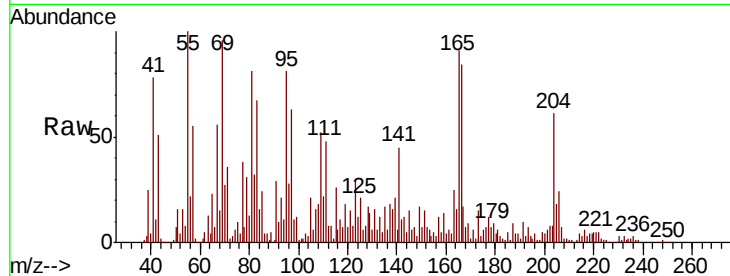




#61
4-Chlorophenyl-phenylether
Concen: 38.592 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

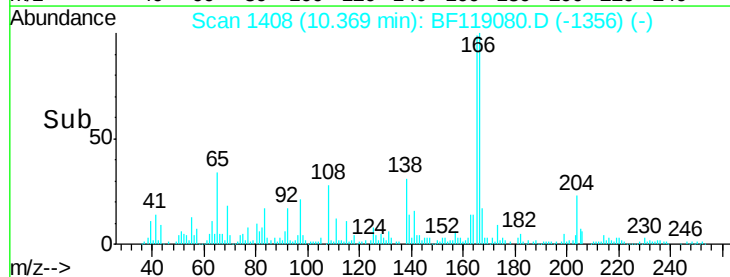
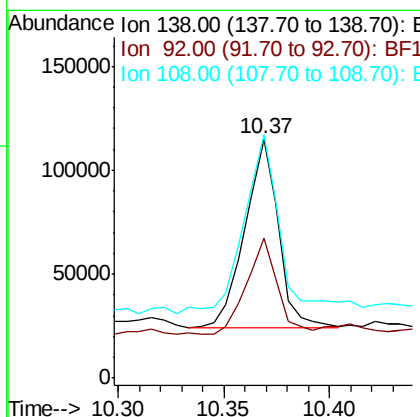
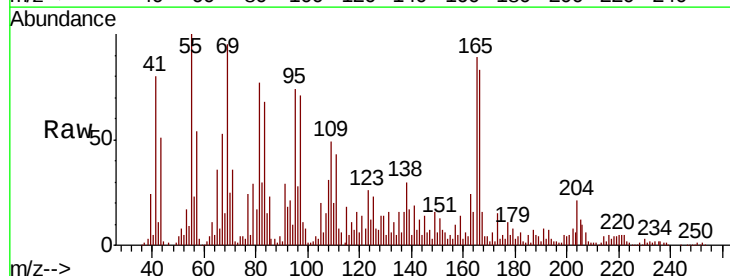
Instrument :
BNA_F
ClientSampleId :
72-11991MS

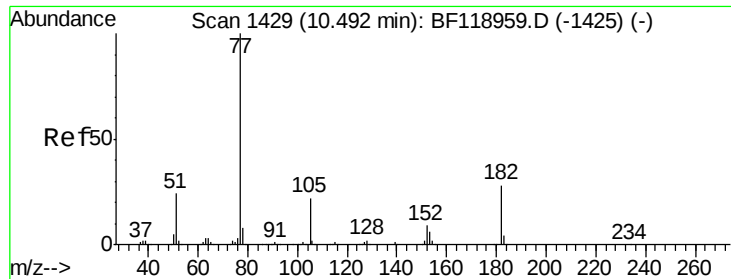
Tot Ion:204 Resp: 325291
Ion Ratio Lower Upper
204 100
206 39.2 26.5 39.7
141 74.5 49.5 74.3#



#62
4-Nitroaniline
Concen: 21.344 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:138 Resp: 99558
Ion Ratio Lower Upper
138 100
92 58.7 28.7 68.7
108 101.9 56.8 96.8#

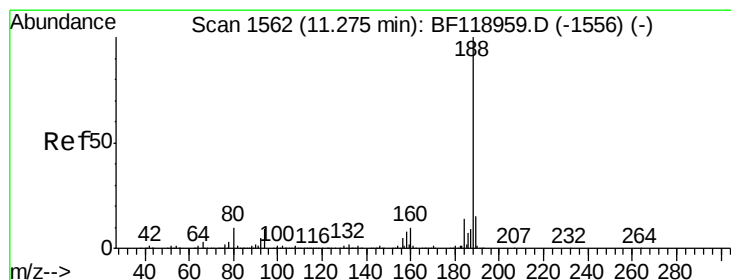
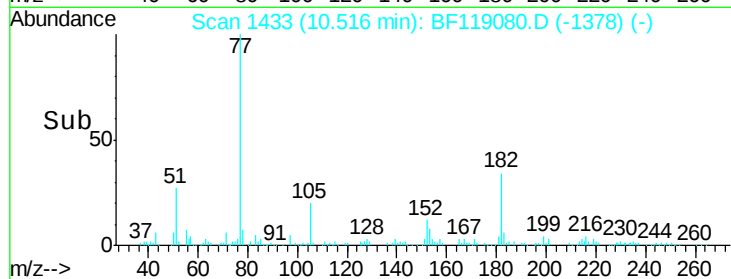
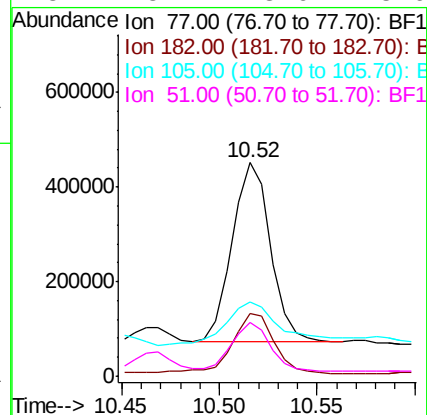
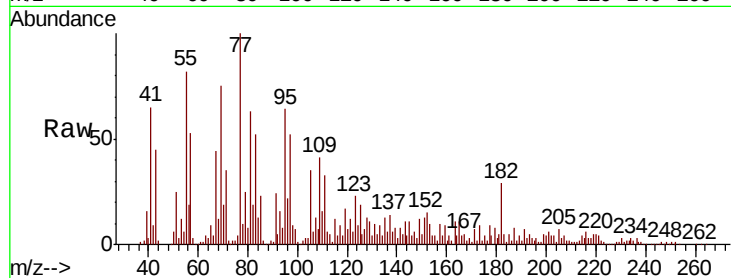




#63
Azobenzene
Concen: 34.313 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.02 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

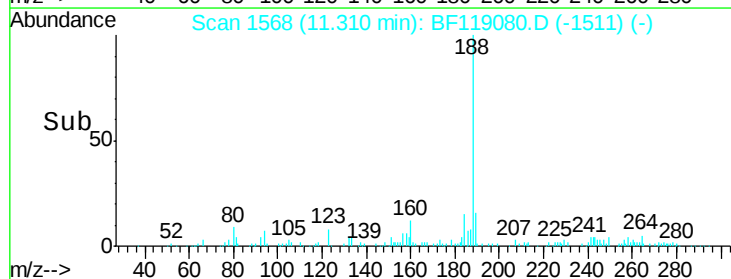
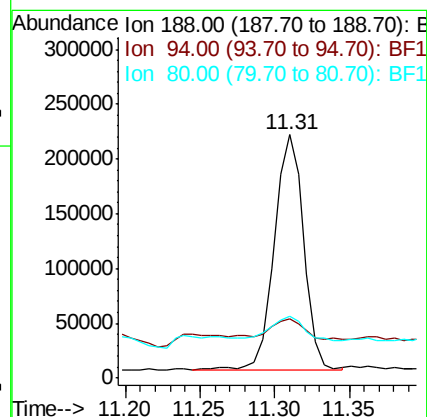
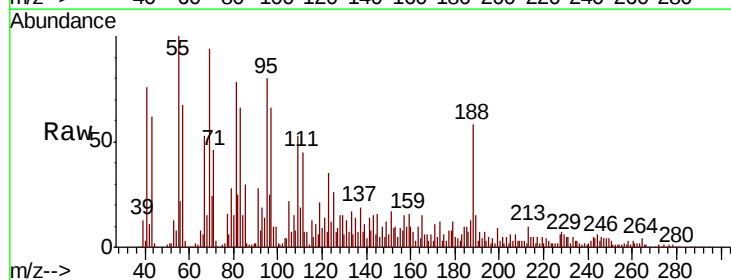
Instrument :
BNA_F
ClientSampleId :
72-11991MS

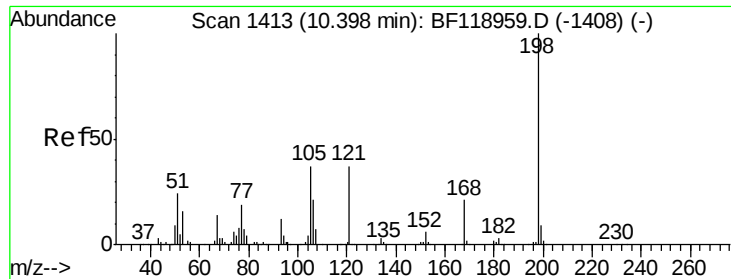
Tot Ion:	77	Resp:	520259
Ion	Ratio	Lower	Upper
77	100		
182	29.5	8.2	48.2
105	34.8	2.3	42.3
51	25.1	3.6	43.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.04 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:	188	Resp:	294898
Ion	Ratio	Lower	Upper
188	100		
94	24.3	7.0	10.6#
80	25.5	7.9	11.9#





#65

4,6-Dinitro-2-methylphenol

Concen: 30.552 ng

RT: 10.42 min Scan# 1416

Delta R.T. 0.02 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

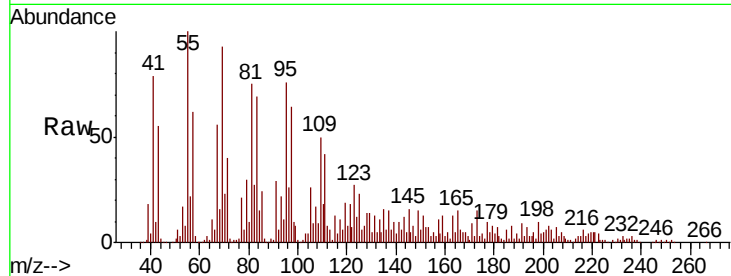
Tot Ion:198 Resp: 54519

Ion Ratio Lower Upper

198 100

51 63.0 7.1 47.1#

105 252.3 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

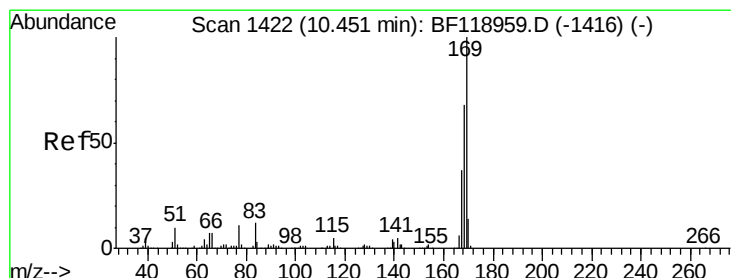
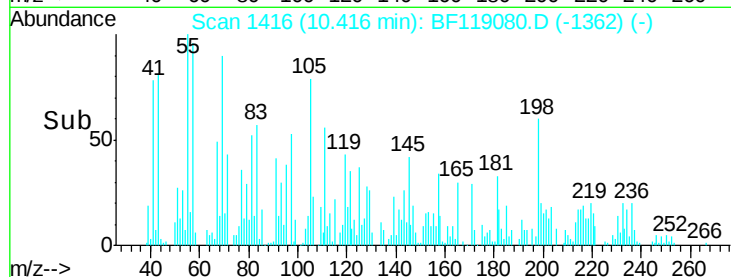
100000

50000

0

10.35 10.40 10.45 10.50

Time-->



#66

n-Nitrosodiphenylamine

Concen: 56.384 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.02 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

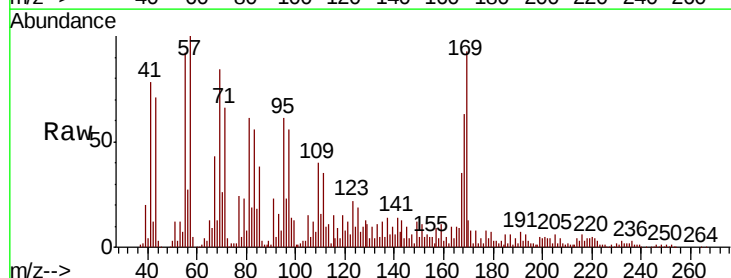
Tgt Ion:169 Resp: 544451

Ion Ratio Lower Upper

169 100

168 67.5 54.2 81.2

167 37.8 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

500000

400000

300000

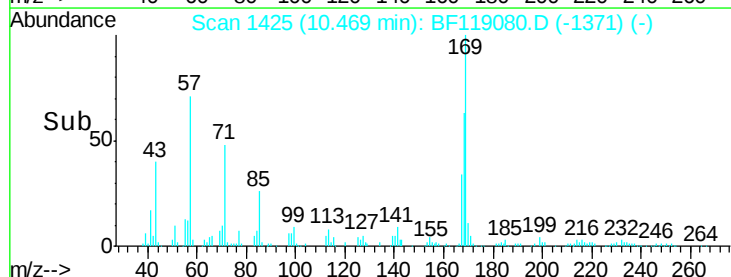
200000

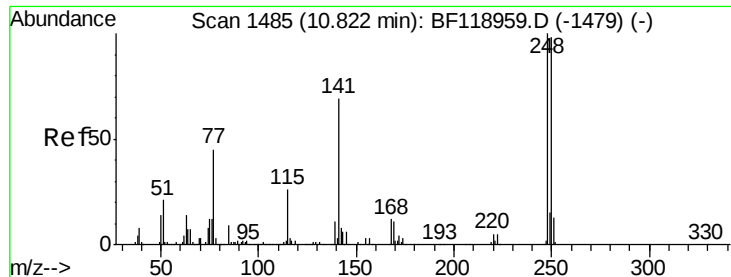
100000

0

10.40 10.45 10.50

Time-->

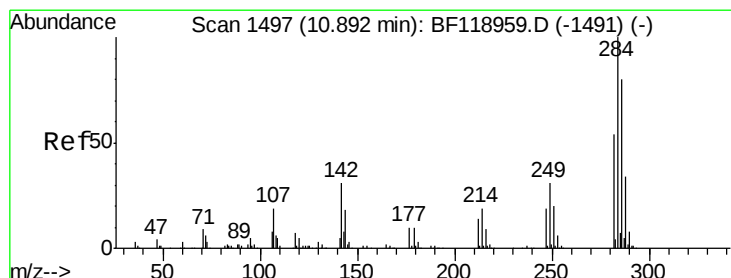
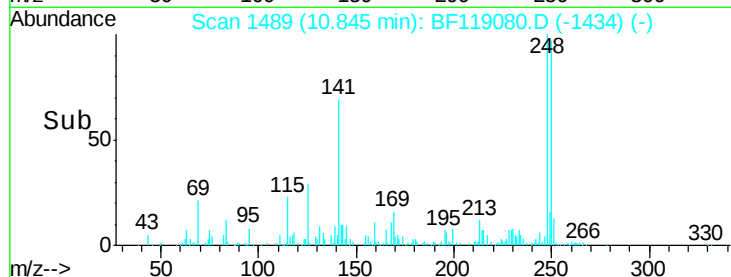
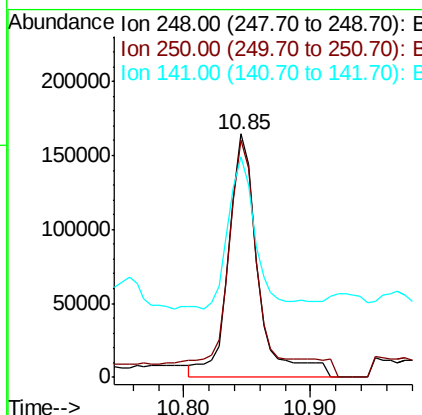
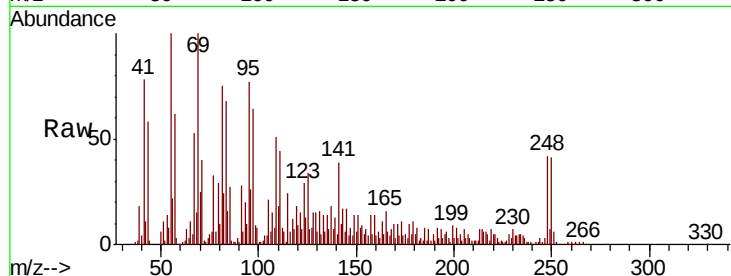




#67
4-Bromophenyl-phenylether
Concen: 68.587 ng
RT: 10.85 min Scan# 1489
Delta R.T. 0.02 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

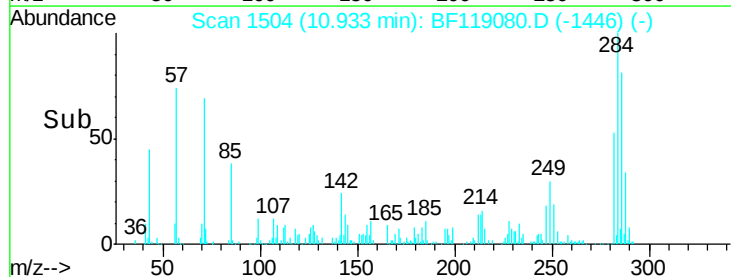
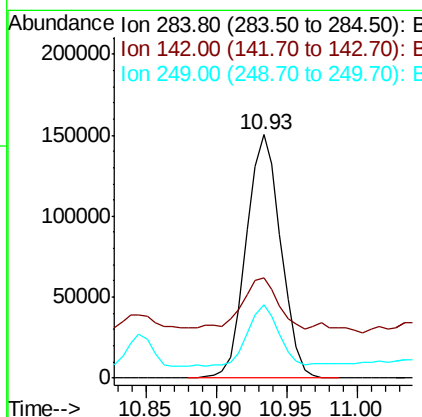
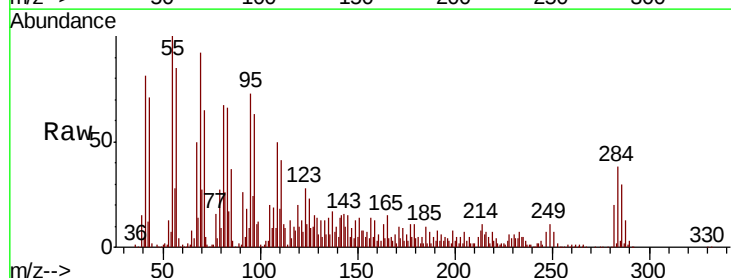
Instrument :
BNA_F
ClientSampleId :
72-11991MS

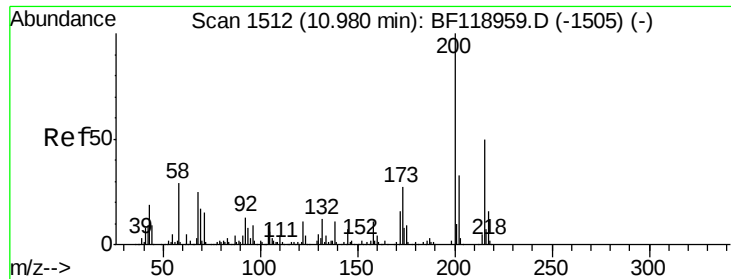
Tot Ion:248 Resp: 264381
Ion Ratio Lower Upper
248 100
250 97.6 78.8 118.2
141 90.8 55.3 82.9#



#68
Hexachlorobenzene
Concen: 58.013 ng
RT: 10.93 min Scan# 1504
Delta R.T. 0.04 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:284 Resp: 257826
Ion Ratio Lower Upper
284 100
142 41.0 25.0 37.6#
249 30.3 25.0 37.4

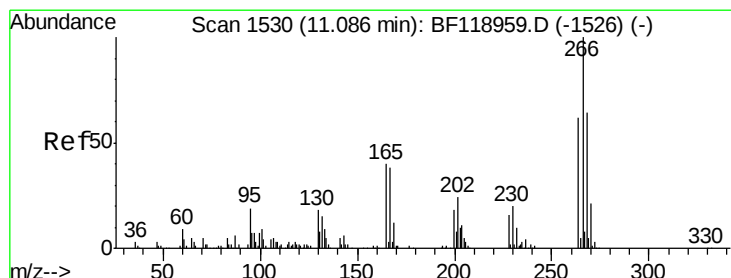
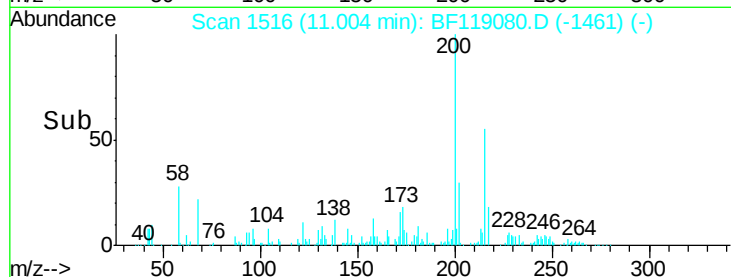
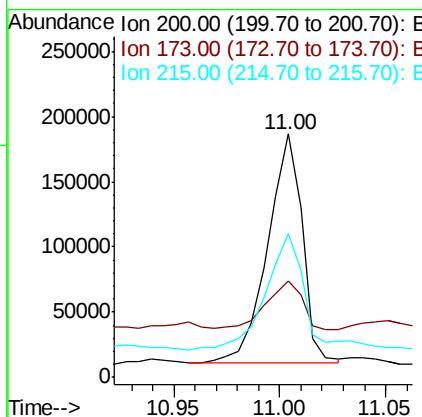
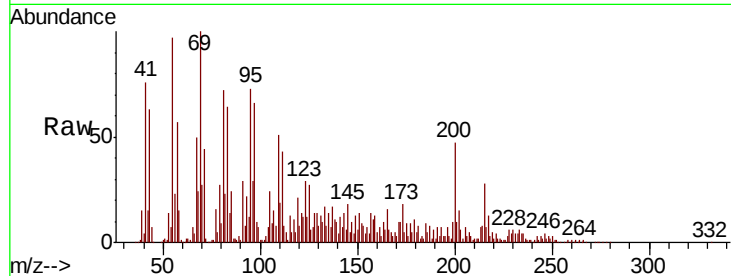




#69
Atrazine
Concen: 59.432 ng
RT: 11.00 min Scan# 1516
Delta R.T. 0.02 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

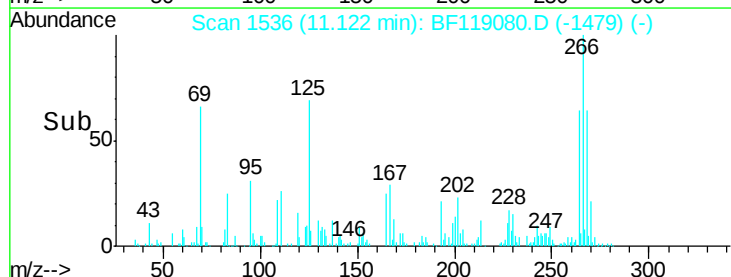
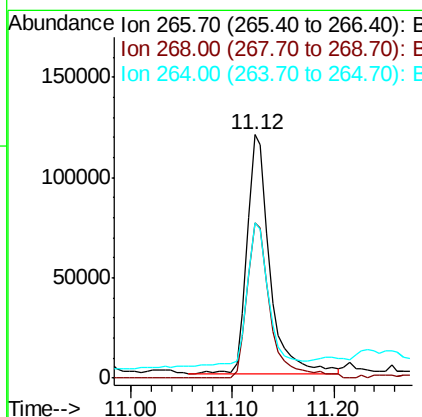
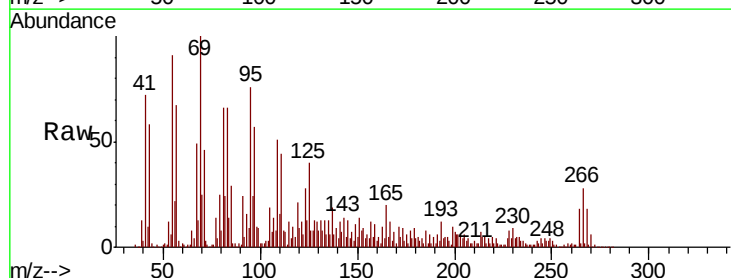
Instrument :
BNA_F
ClientSampleId :
72-11991MS

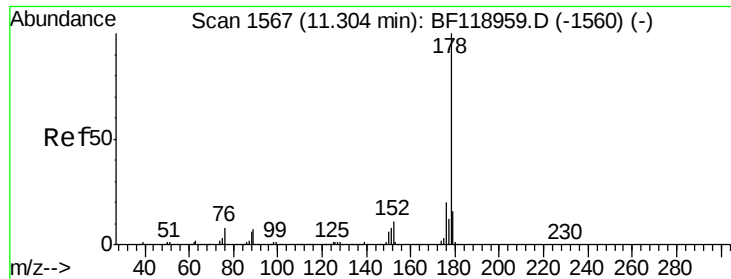
Tot Ion	Ratio	Lower	Upper
200	100		
173	39.5	6.9	46.9
215	59.1	29.7	69.7



#70
Pentachlorophenol
Concen: 104.242 ng
RT: 11.12 min Scan# 1536
Delta R.T. 0.04 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.4	77.0
264	63.6	49.5	74.3

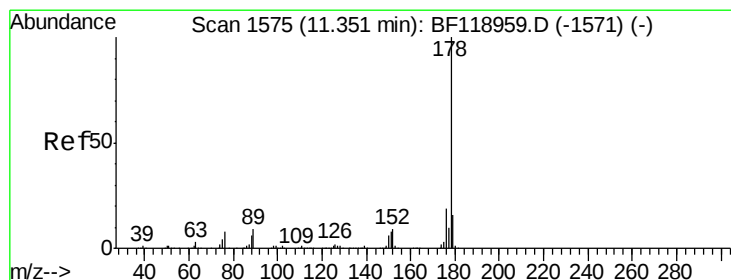
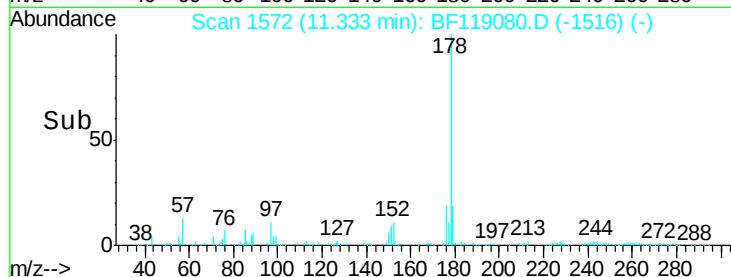
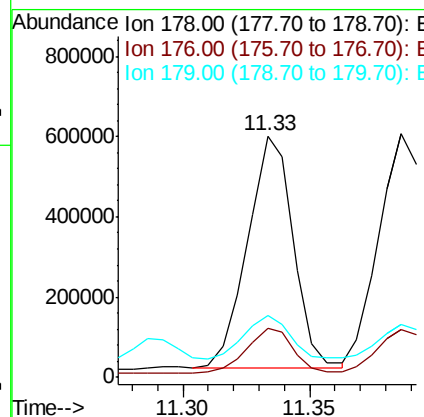
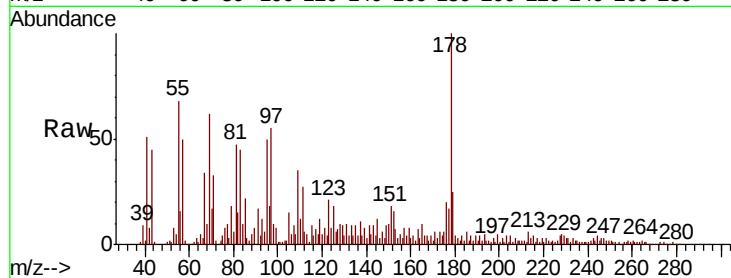




#71
Phenanthrene
Concen: 45.479 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.03 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

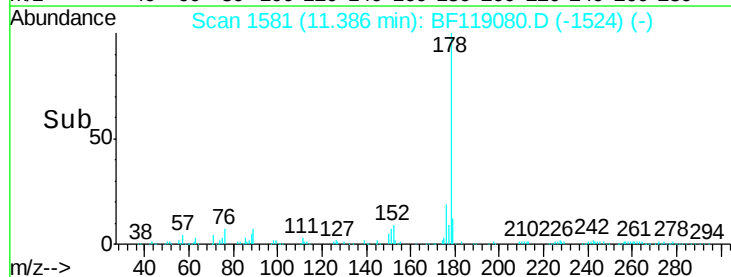
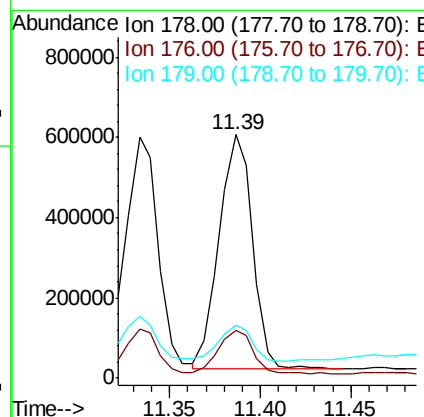
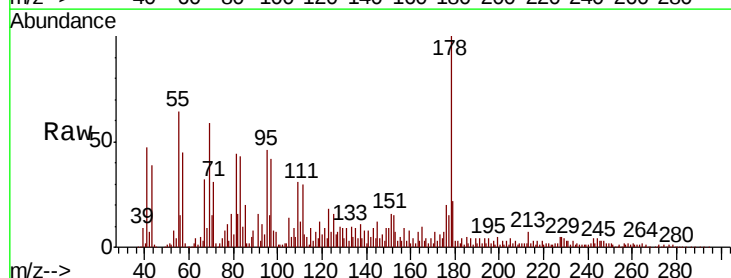
Instrument :
BNA_F
ClientSampleId :
72-11991MS

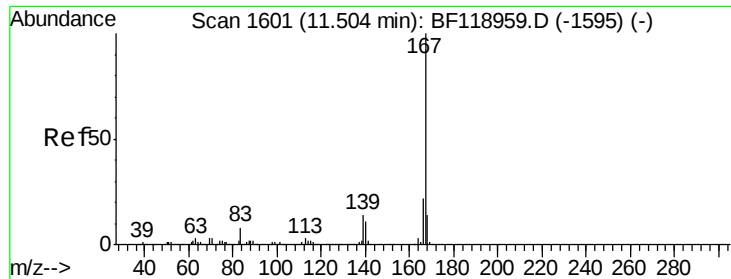
Tot Ion:178 Resp: 731409
Ion Ratio Lower Upper
178 100
176 20.3 15.6 23.4
179 25.4 12.6 18.8#



#72
Anthracene
Concen: 46.704 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.04 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion:178 Resp: 750477
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 21.6 12.8 19.2#

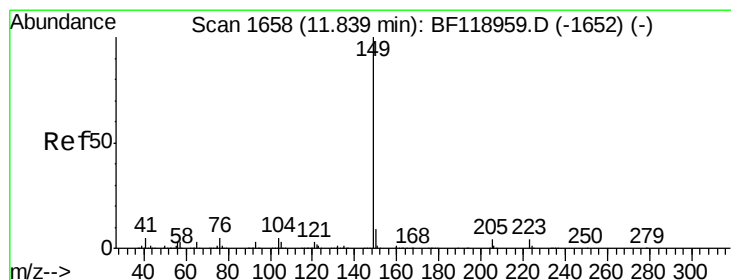
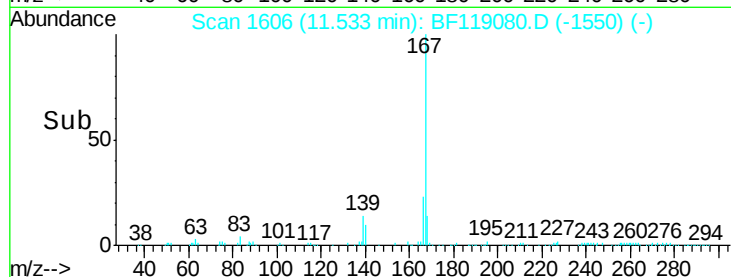
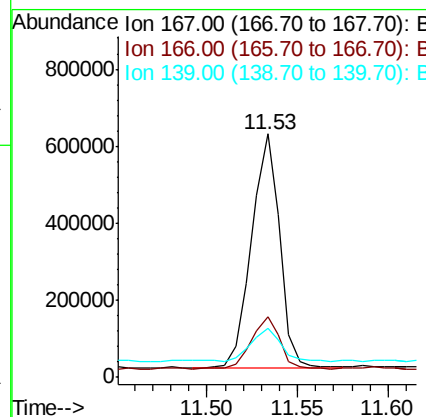
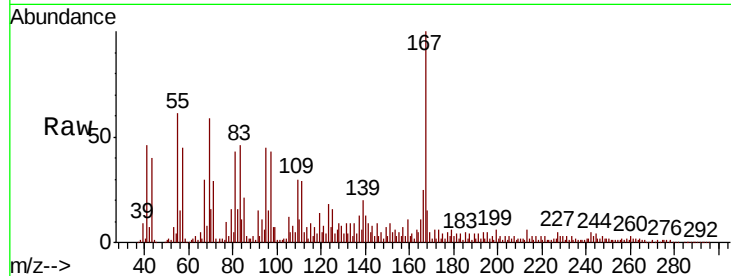




#73
 Carbazole
 Concen: 45.917 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. 0.03 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

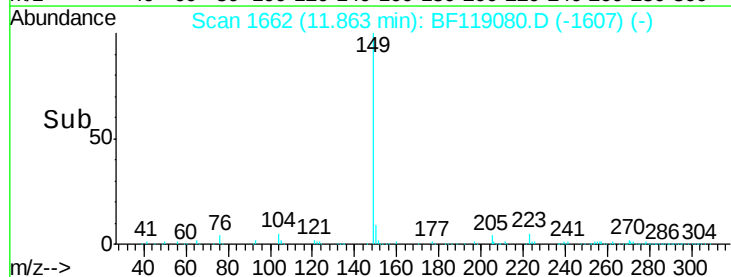
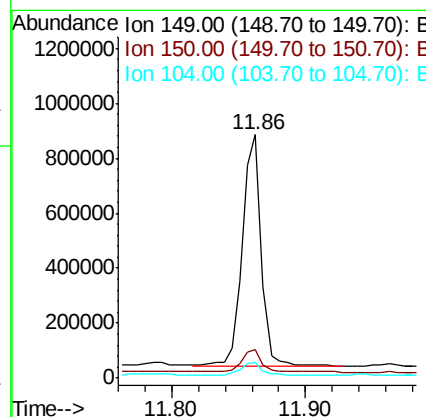
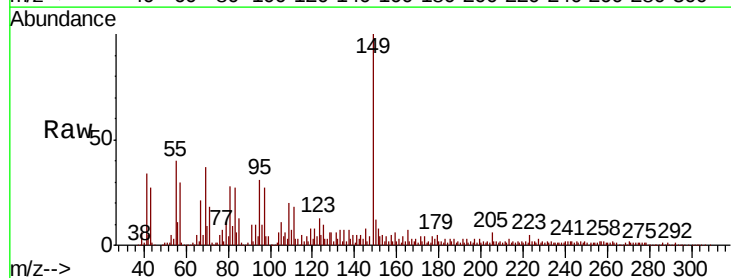
Instrument :
 BNA_F
 ClientSampleId :
 72-11991MS

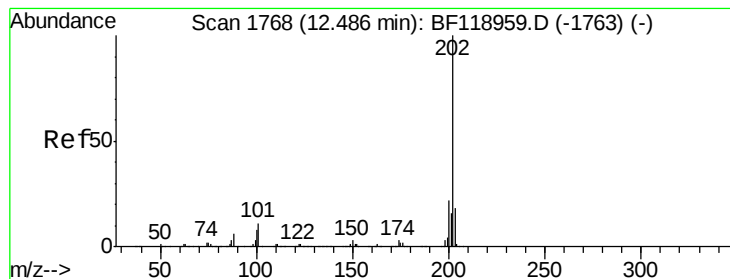
Tot Ion	Ratio	Lower	Upper
167	100		
166	25.0	17.8	26.6
139	20.0	11.2	16.8#



#74
 Di-n-butylphthalate
 Concen: 48.132 ng
 RT: 11.86 min Scan# 1662
 Delta R.T. 0.02 min
 Lab File: BF119080.D
 Acq: 25 Feb 2020 22:43

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.7	7.5	11.3#
104	6.3	4.0	6.0#





#75

Fluoranthene

Concen: 47.237 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.04 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

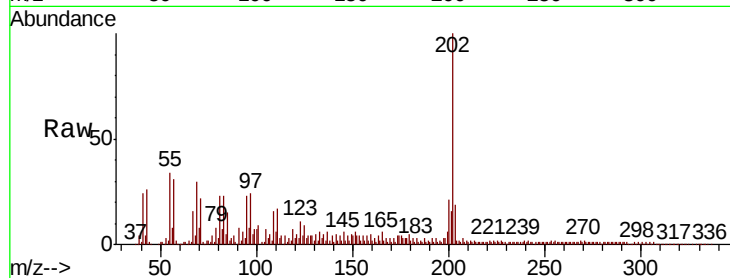
Tot Ion:202 Resp: 806386

Ion Ratio Lower Upper

202 100

101 8.7 0.0 31.1

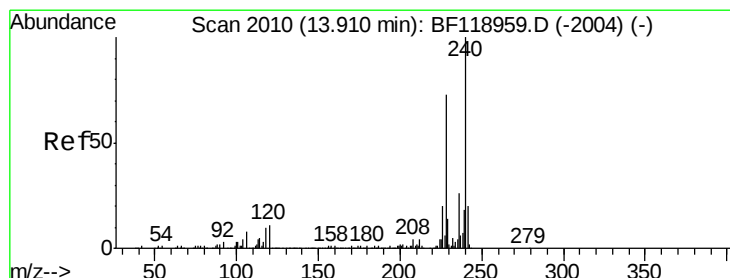
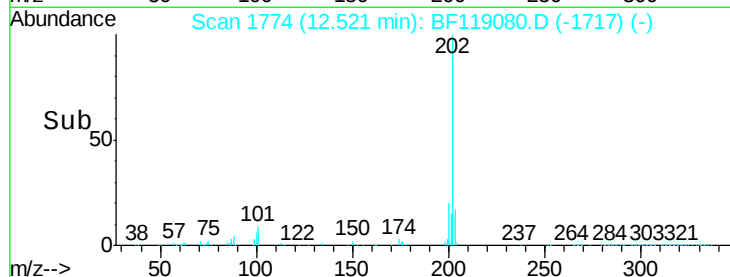
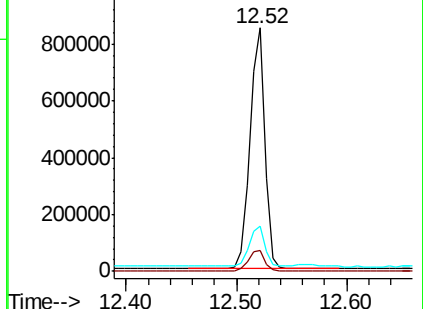
203 18.7 0.0 38.1



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# 2013

Delta R.T. 0.02 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

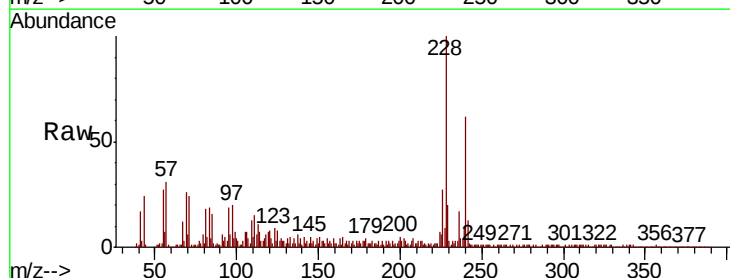
Tgt Ion:240 Resp: 294470

Ion Ratio Lower Upper

240 100

120 13.6 8.9 13.3#

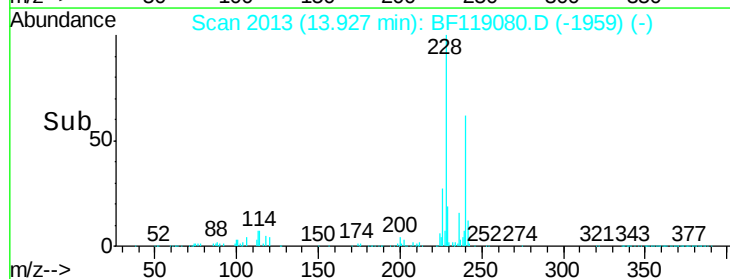
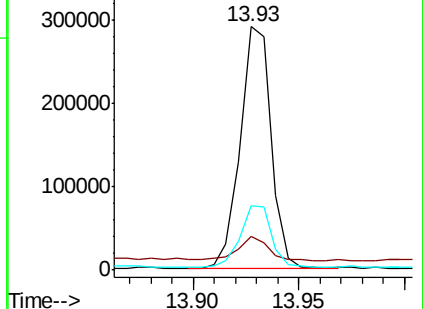
236 26.6 20.6 30.8

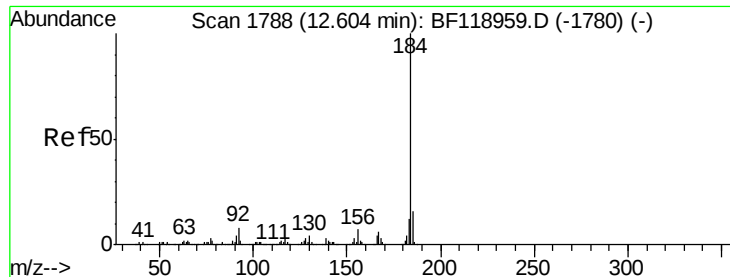


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 10.573 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.02 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

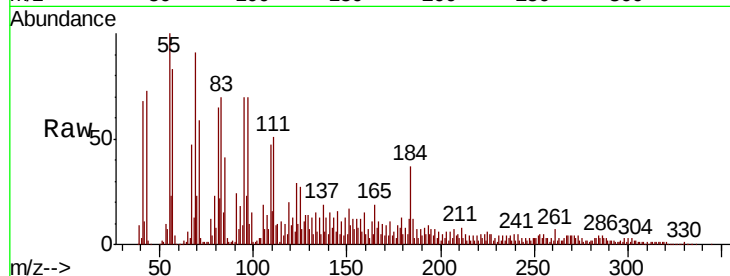
Tot Ion:184 Resp: 126621

Ion Ratio Lower Upper

184 100

185 32.4 12.6 19.0#

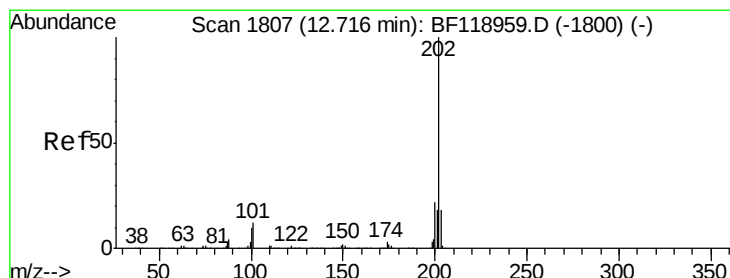
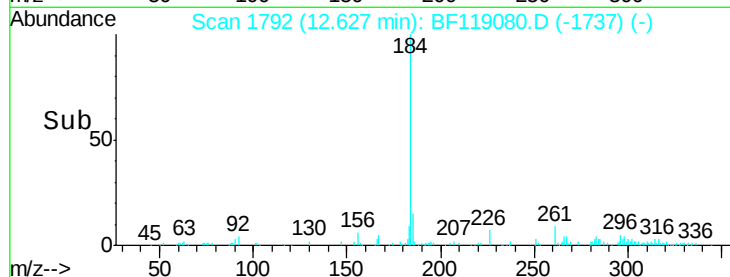
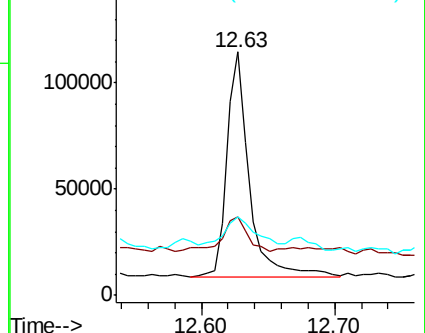
183 32.1 9.9 14.9#



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: 34.934 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.03 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

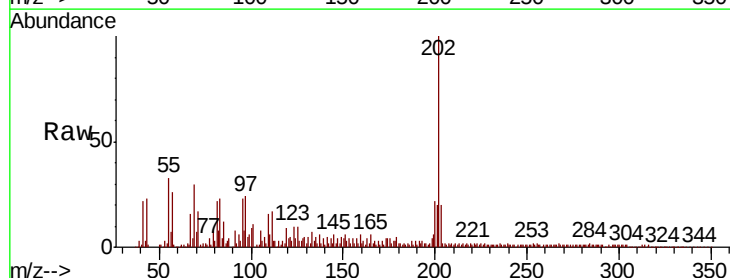
Tgt Ion:202 Resp: 826031

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.0

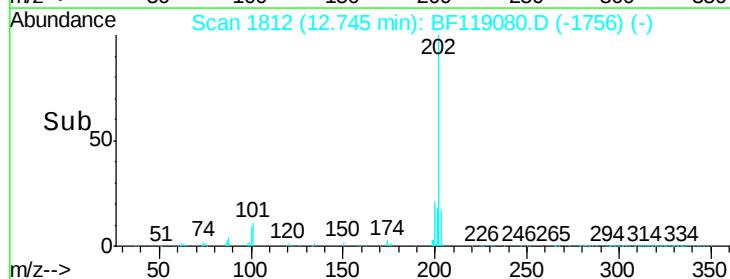
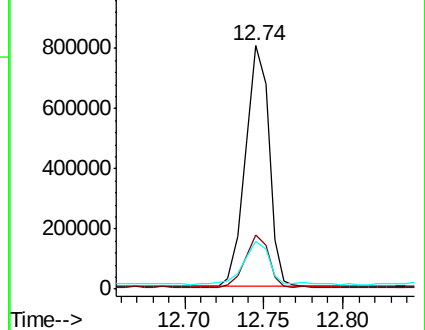
203 19.5 14.5 21.7

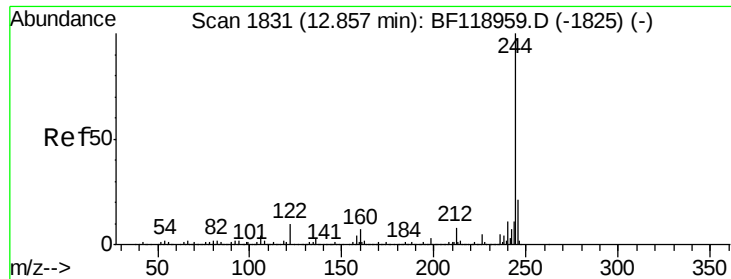


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.675 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.02 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

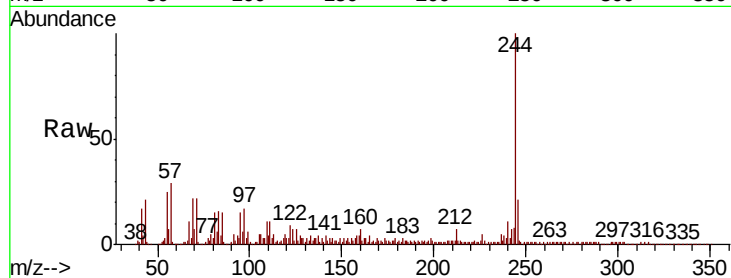
BNA_F

ClientSampleId :

72-11991MS

Tot Ion:244 Resp: 1071978

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	8.9	8.4	12.6

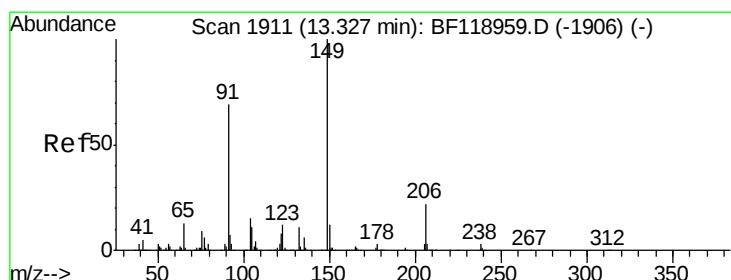
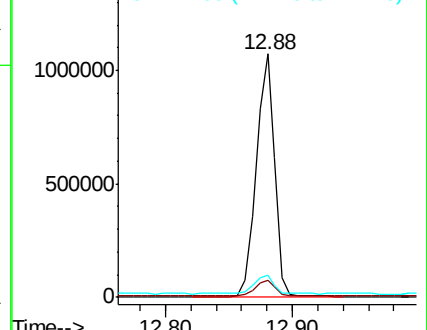
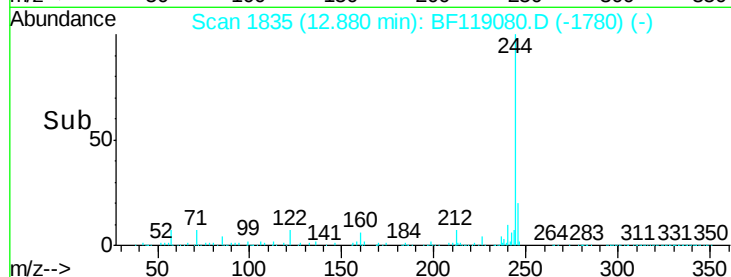


Abundance

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: 39.980 ng

RT: 13.34 min Scan# 1914

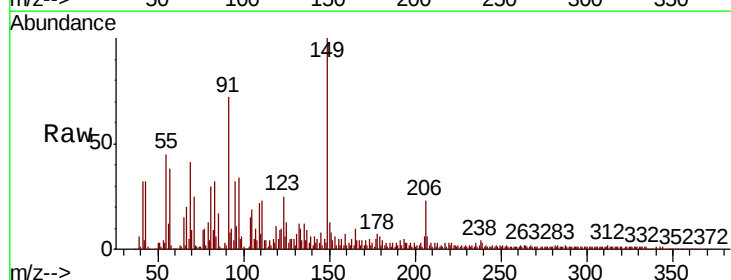
Delta R.T. 0.02 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Tgt Ion:149 Resp: 397871

Ion	Ratio	Lower	Upper
149	100		
91	72.2	55.4	83.2
206	23.1	17.7	26.5

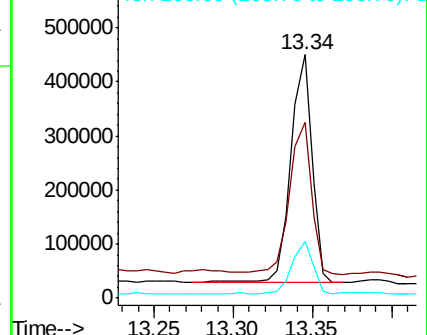
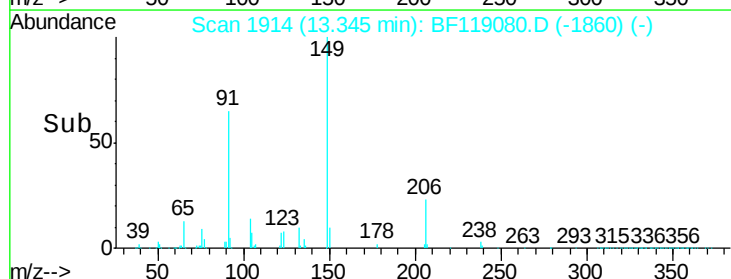


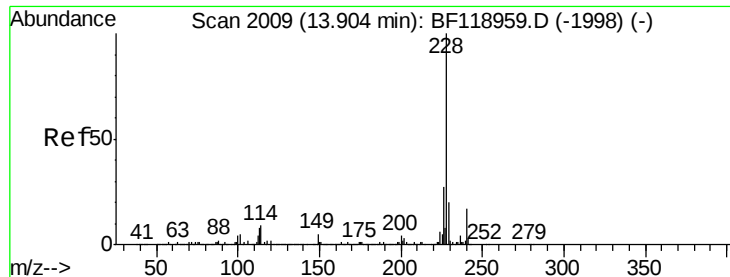
Abundance

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

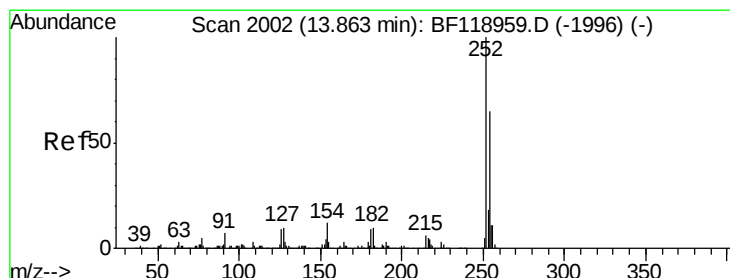
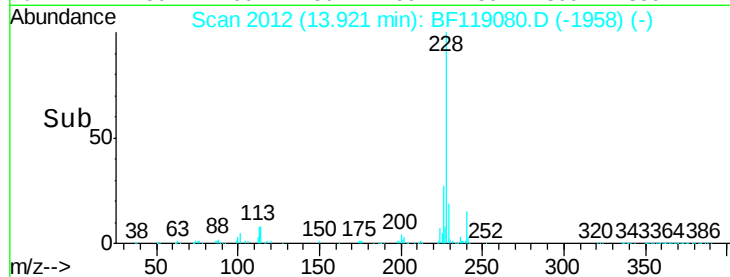
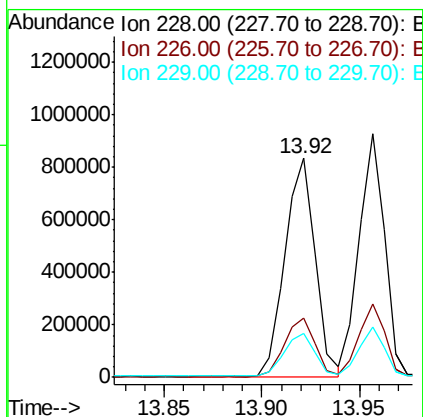
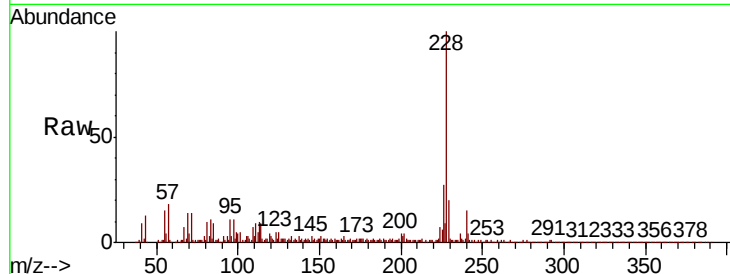




#81
Benzo(a)anthracene
Concen: 44.285 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.02 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

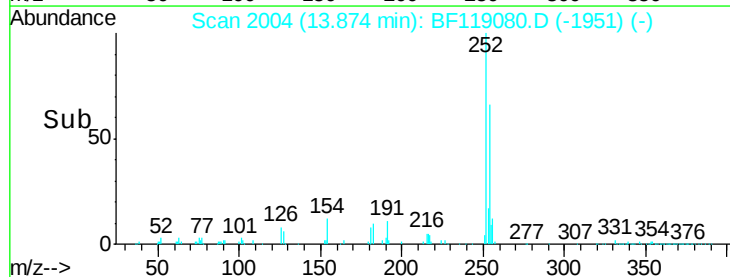
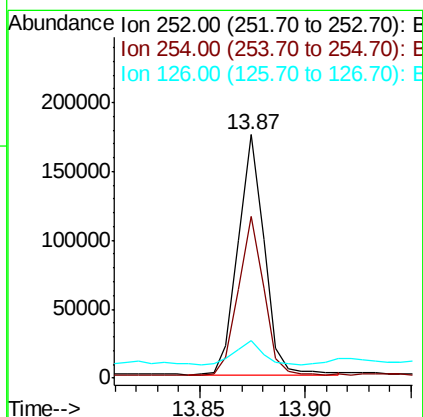
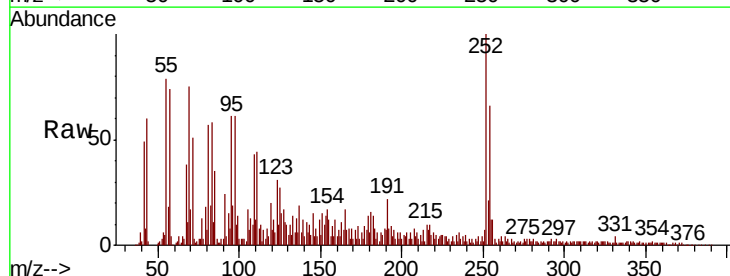
Instrument :
BNA_F
ClientSampleId :
72-11991MS

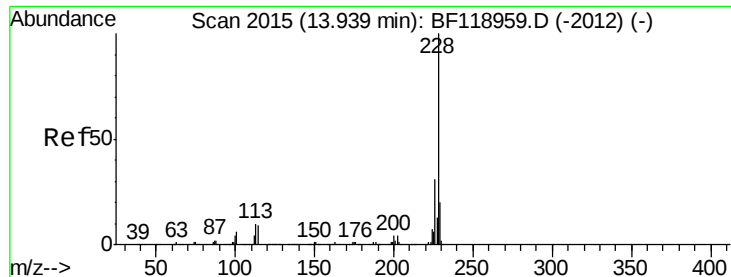
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	20.2	16.0	24.0



#82
3,3'-Dichlorobenzidine
Concen: 19.176 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.2	52.1	78.1
126	15.3	7.3	10.9





#83

Chrvsene

Concen: 42.245 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.02 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

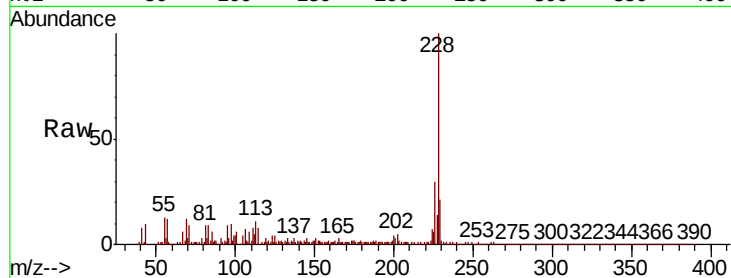
Tot Ion:228 Resp: 844578

Ion Ratio Lower Upper

228 100

226 30.2 24.6 37.0

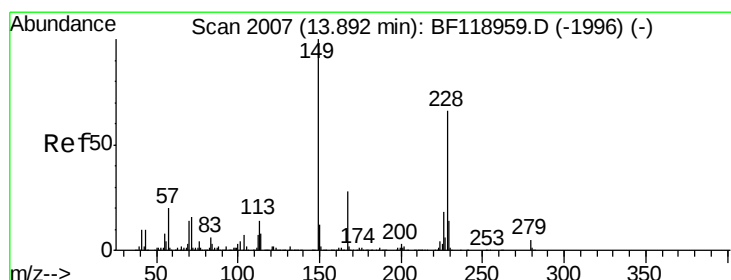
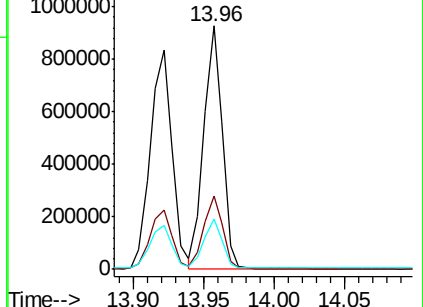
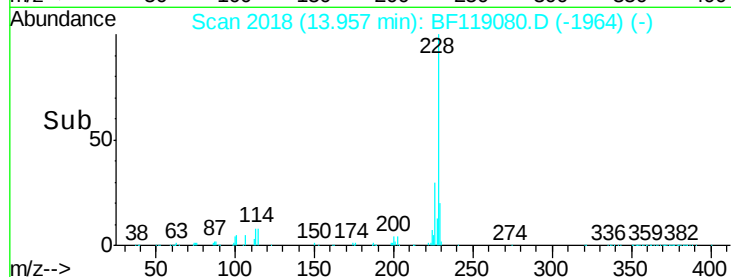
229 20.5 16.2 24.2



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: 46.971 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

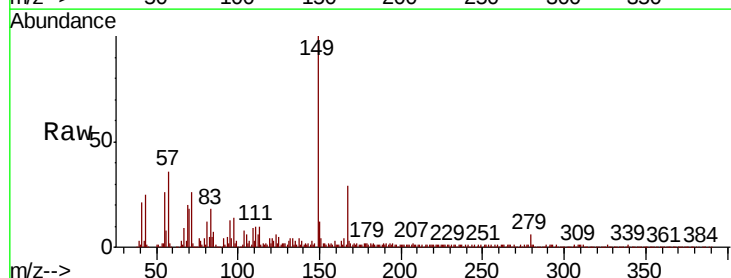
Tgt Ion:149 Resp: 590555

Ion Ratio Lower Upper

149 100

167 29.3 22.3 33.5

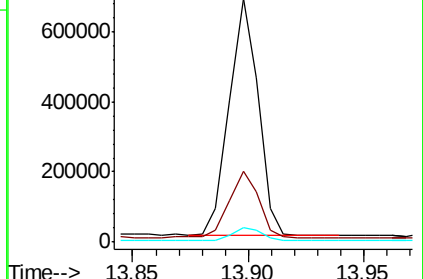
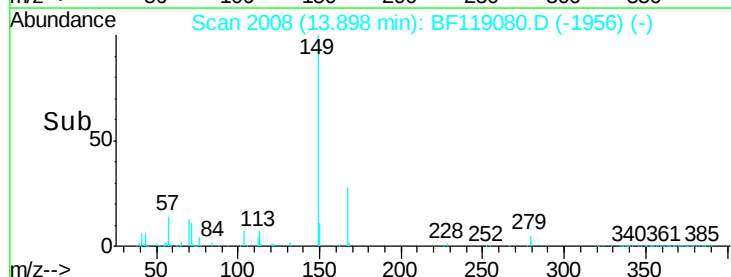
279 5.8 4.2 6.4

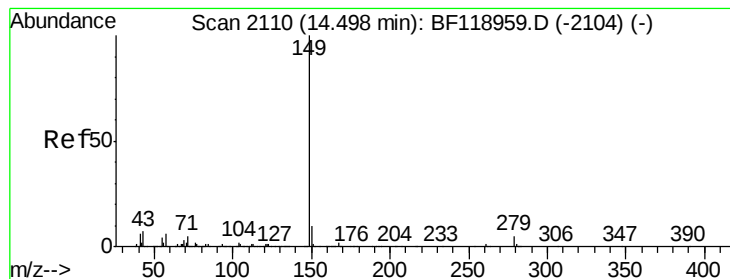


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 53.612 ng

RT: 14.50 min Scan# 2111

Delta R.T. 0.01 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

BNA_F

ClientSampleId :

72-11991MS

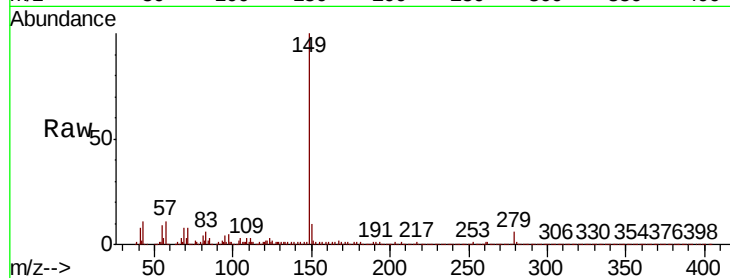
Tot Ion:149 Resp: 1073952

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

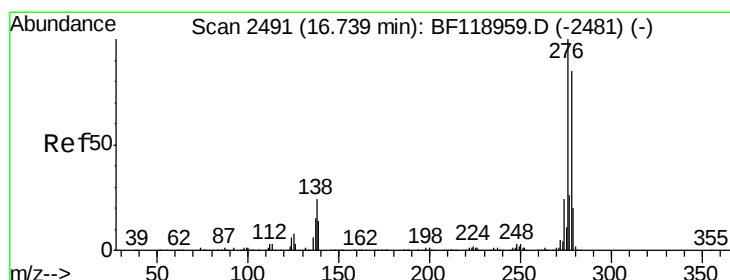
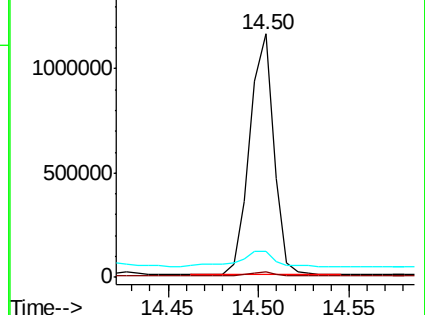
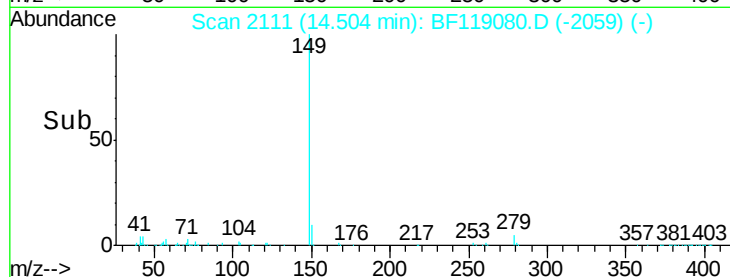
43 17.2 5.2 7.8#



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: 63.155 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.02 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

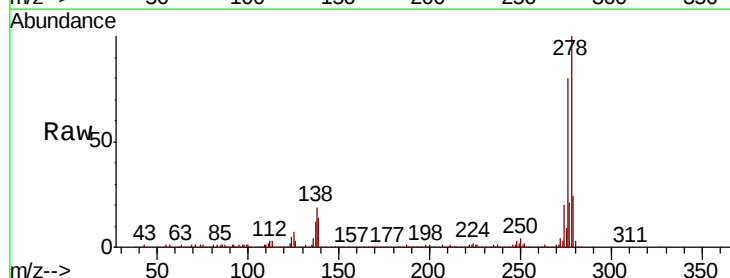
Tgt Ion:276 Resp: 1222557

Ion Ratio Lower Upper

276 100

138 21.0 18.7 28.1

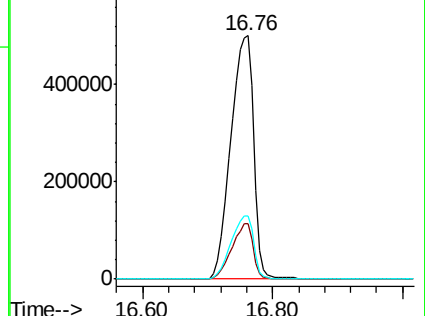
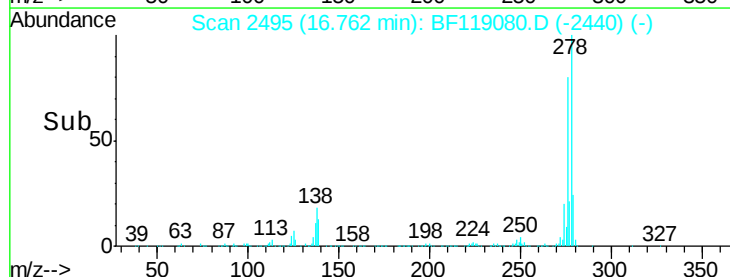
277 25.8 20.3 30.5

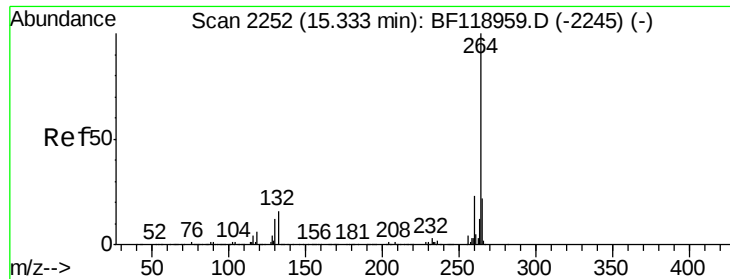


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

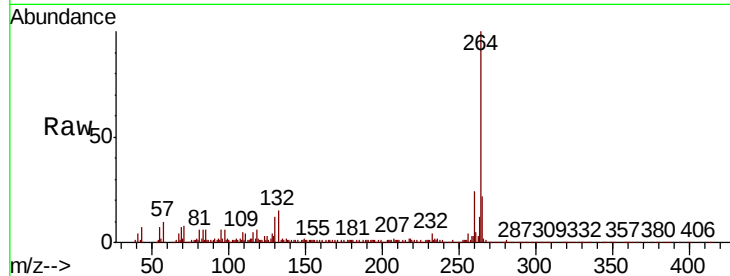




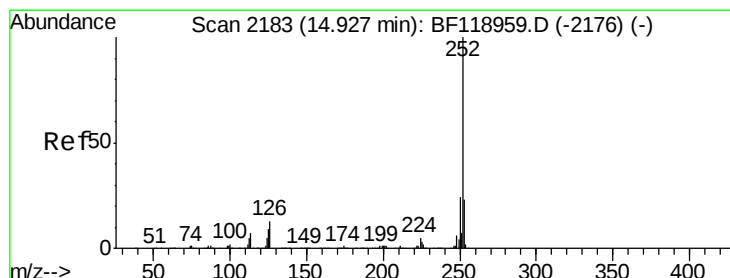
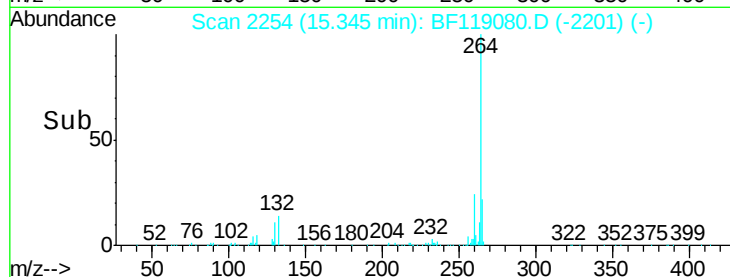
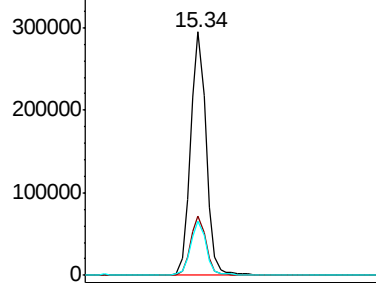
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Instrument :
BNA_F
ClientSampleId :
72-11991MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.6	28.0
265	22.2	17.3	25.9

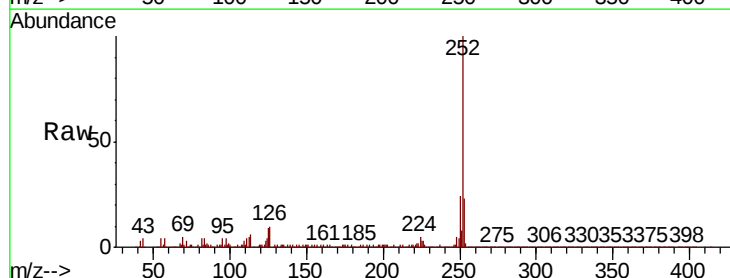


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

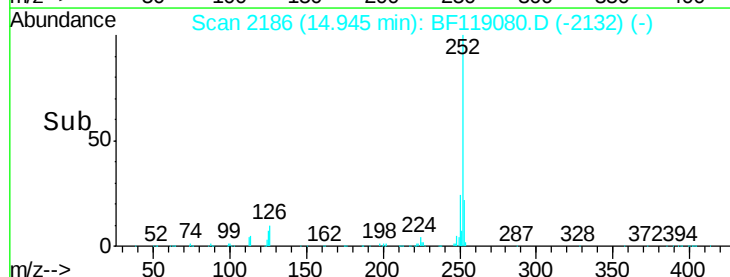
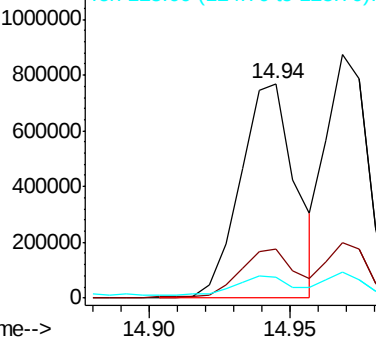


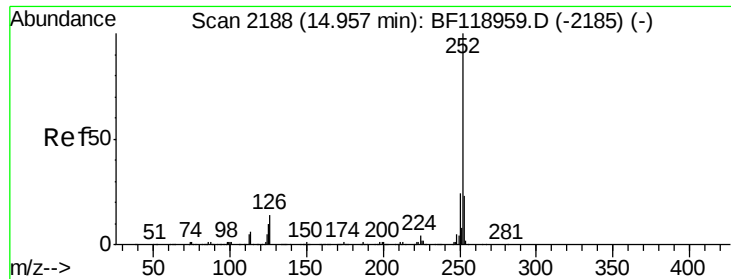
#88
Benzo(b)fluoranthene
Concen: 46.322 ng
RT: 14.94 min Scan# 2186
Delta R.T. 0.02 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	9.5	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

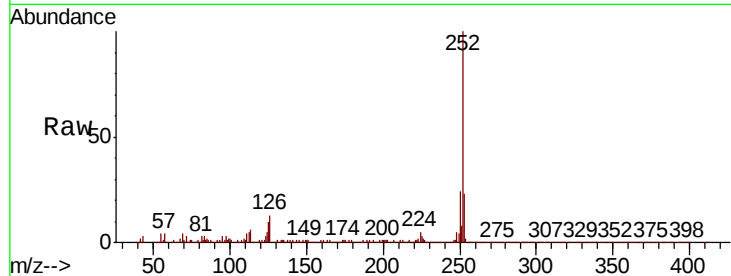




#89
Benzo(k)fluoranthene
Concen: 42.949 ng
RT: 14.97 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Instrument :
BNA_F
ClientSampleId :
72-11991MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	10.5	7.3	10.9

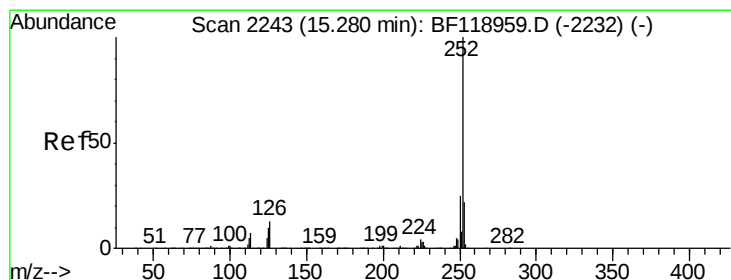
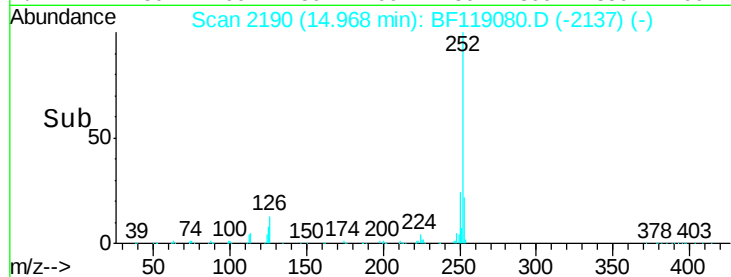
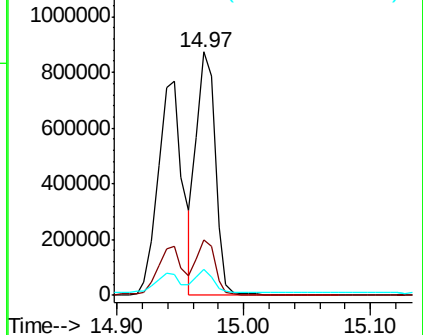


Abundance

Ion 252.00 (251.70 to 252.70): E

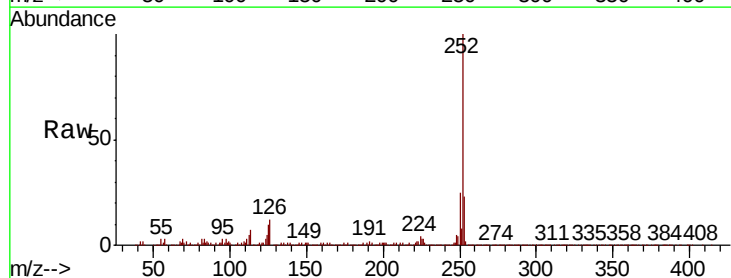
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 44.189 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF119080.D
Acq: 25 Feb 2020 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	10.2	7.8	11.6

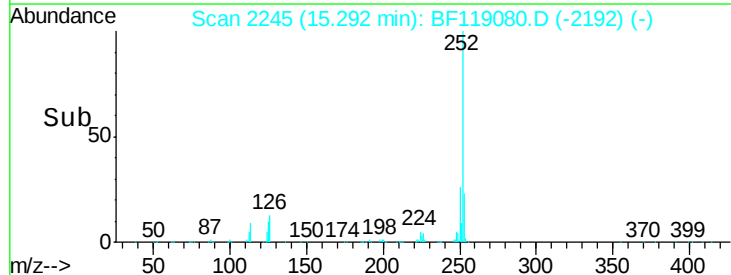
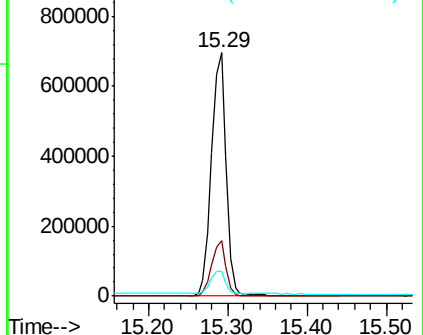


Abundance

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: 57.441 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.02 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Instrument :

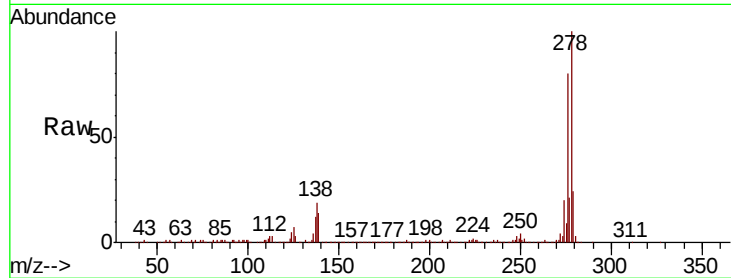
BNA_F

ClientSampleId :

72-11991MS

Tot Ion:278 Resp: 1024349

Ion	Ratio	Lower	Upper
278	100		
139	13.6	12.6	18.8
279	23.6	19.0	28.6

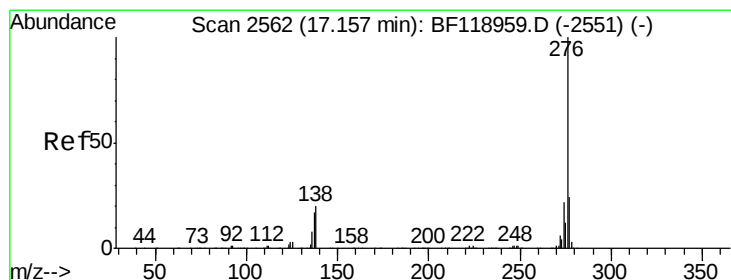
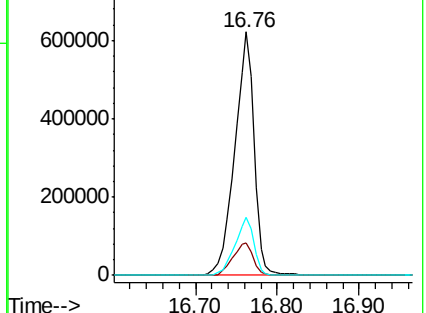
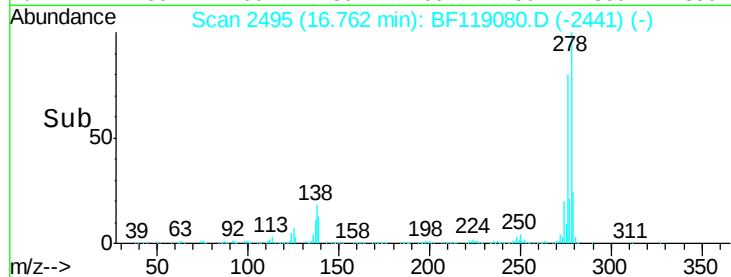


Abundance

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: 59.919 ng

RT: 17.18 min Scan# 2566

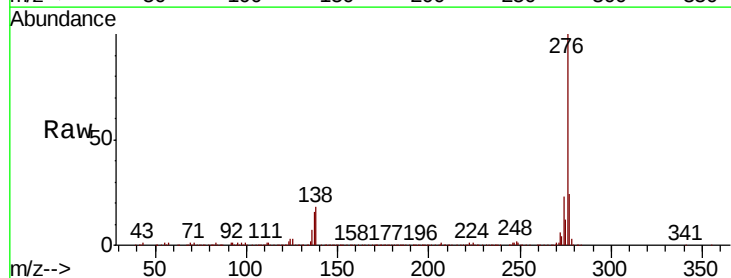
Delta R.T. 0.02 min

Lab File: BF119080.D

Acq: 25 Feb 2020 22:43

Tgt Ion:276 Resp: 1055772

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	17.8	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

