

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116528.D
 Acq On : 25 Aug 2019 13:32
 Operator : HP/JU
 Sample : K4392-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:27:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	57956	20.00	ng	0.05
21) Naphthalene-d8	8.22	136	265803	20.00	ng	0.05
39) Acenaphthene-d10	9.93	164	14219	20.00	ng	0.01
64) Phenanthrene-d10	11.47	188	222921	20.00	ng	0.08
76) Chrysene-d12	14.04	240	276824	20.00	ng	0.01
87) Perylene-d12	15.51	264	343685	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	259494	65.42	ng	0.02
7) Phenol-d6	6.53	99	894044	183.83	ng	0.03
23) Nitrobenzene-d5	7.46	82	102892	21.18	ng	0.02
42) 2,4,6-Tribromophenol	10.81	330	85691	701.84	ng	0.11
45) 2-Fluorobiphenyl	9.34	172	504921	571.86	ng	0.10
79) Terphenyl-d14	13.01	244	694317	46.85	ng	0.03

Target Compounds

						Qvalue
3) Pyridine	3.45	79	27864	5.328	ng	# 36
4) n-Nitrosodimethylamine	3.45	42	253315	132.682	ng	# 1
6) Aniline	6.66	93	129314	19.640	ng	# 1
9) Benzaldehyde	6.47	77	29771	9.162	ng	# 1
11) bis(2-Chloroethyl)ether	6.66	93	129314	32.158	ng	# 1
15) Benzyl Alcohol	7.06	79	236516	60.092	ng	# 36
18) Hexachloroethane	7.47	117	515968	305.110	ng	# 1
19) n-Nitroso-di-n-propylamine	7.25	70	81693	24.616	ng	# 84
22) Acetophenone	7.39	105	521650	78.484	ng	# 13
24) Nitrobenzene	7.47	77	667522	132.672	ng	# 69
25) Isophorone	7.80	82	512438	53.522	ng	# 1
27) 2,4-Dimethylphenol	7.82	122	51429	13.412	ng	# 1
28) bis(2-Chloroethoxy)methane	8.05	93	63080	10.669	ng	# 1
29) 2,4-Dichlorophenol	8.17	162	472467	129.557	ng	# 15
30) 1,2,4-Trichlorobenzene	8.13	180	23912	5.824	ng	# 81
31) Naphthalene	8.26	128	3268793	254.215	ng	# 71
32) Benzoic acid	7.92	122	54847	22.373	ng	# 1
33) 4-Chloroaniline	8.26	127	693842	122.917	ng	# 2
35) Caprolactam	8.59	113	50001	39.363	ng	# 1
36) 4-Chloro-3-methylphenol	8.75	107	104523	25.402	ng	# 12
37) 2-Methylnaphthalene	9.02	142	11716129	1327.051	ng	# 95
38) 1-Methylnaphthalene	9.02	142	11716129	1420.618	ng	# 96
43) 2,4,6-Trichlorophenol	9.10	196	4086	15.261	ng	# 16
44) 2,4,5-Trichlorophenol	9.26	196	13939	51.166	ng	# 1
46) 1,1'-Biphenyl	9.45	154	988135	869.201	ng	# 90
47) 2-Chloronaphthalene	9.56	162	470976	534.391	ng	# 15
48) 2-Nitroaniline	9.43	65	1702	6.307	ng	# 46
49) Acenaphthylene	9.85	152	347978	269.868	ng	# 1
50) Dimethylphthalate	9.60	163	16400	16.531	ng	# 7
51) 2,6-Dinitrotoluene	9.69	165	9588	47.217	ng	# 1
52) Acenaphthene	9.91	154	94370	114.056	ng	# 1
53) 3-Nitroaniline	9.85	138	3934	16.253	ng	# 1
54) 2,4-Dinitrophenol	9.97	184	1946	30.320	ng	# 1
55) Dibenzofuran	10.07	168	356182	308.821	ng	# 83

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
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 Misc :
 ALS Vial : 4 Sample Multiplier: 1

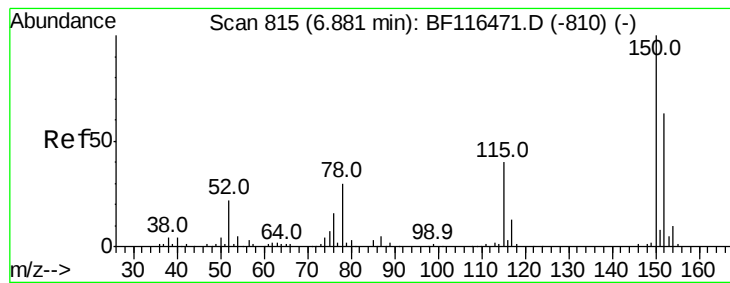
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:27:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

56) 4-Nitrophenol	10.06	139	310100	1648.293	nq	# 40
57) 2,4-Dinitrotoluene	10.07	165	135985	526.284	nq	# 62
58) Fluorene	10.58	166	1181404	1318.402	nq	# 72
60) Diethylphthalate	10.32	149	45894	47.067	nq	# 1
61) 4-Chlorophenyl-phenylether	10.48	204	37631	86.081	nq	# 1
62) 4-Nitroaniline	10.50	138	39238	165.749	nq	# 91
63) Azobenzene	10.66	77	7119	7.101	nq	# 42
65) 4,6-Dinitro-2-methylphenol	10.56	198	9749	16.114	nq	# 1
66) n-Nitrosodiphenylamine	10.62	169	912355	126.398	nq	# 79
69) Atrazine	11.16	200	10411	4.814	nq	# 1
71) Phenanthrene	11.51	178	3097294	255.051	nq	# 91
72) Anthracene	11.55	178	126454	10.363	nq	# 46
73) Carbazole	11.69	167	113035	10.320	nq	# 1
74) Di-n-butylphthalate	12.02	149	41701	3.072	nq	# 1
75) Fluoranthene	12.66	202	145956	11.625	nq	# 72
78) Pyrene	12.83	202	79925	3.610	nq	# 21
81) Benzo(a)anthracene	14.03	228	88838	4.955	nq	# 70
83) Chrysene	14.07	228	91972	5.061	nq	# 74

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

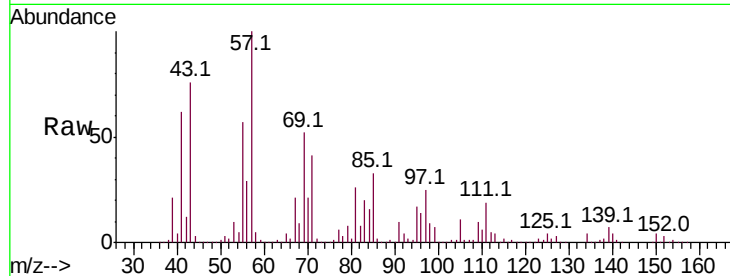


#1

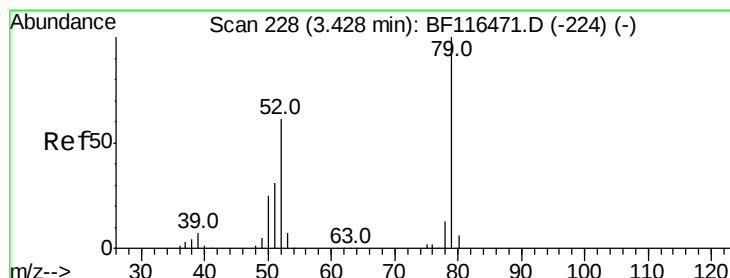
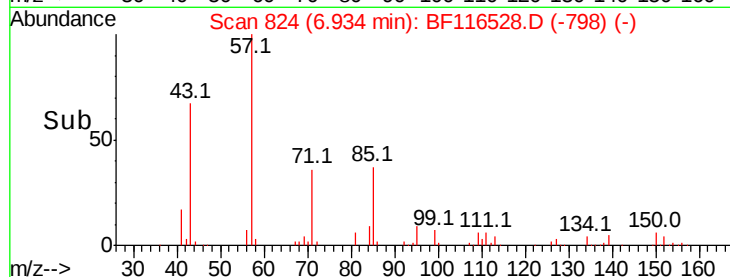
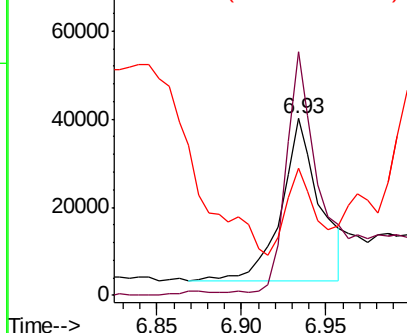
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. 0.05 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 57956
Ion Ratio Lower Upper
152 100
150 137.6 126.7 190.1
115 71.9 50.9 76.3



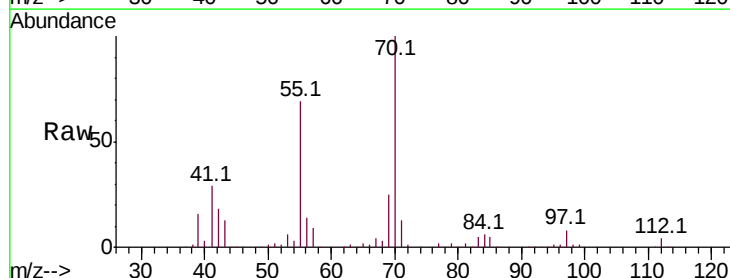
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



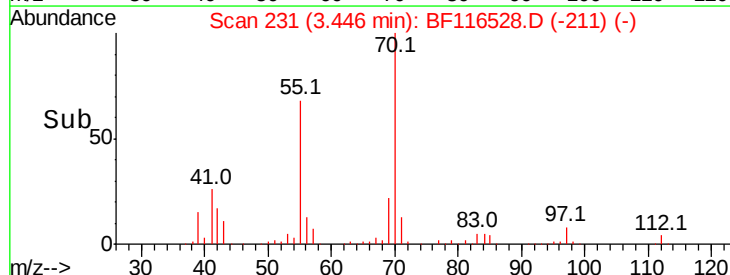
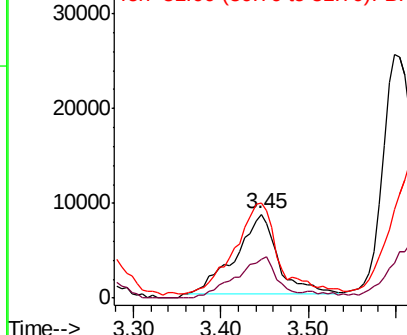
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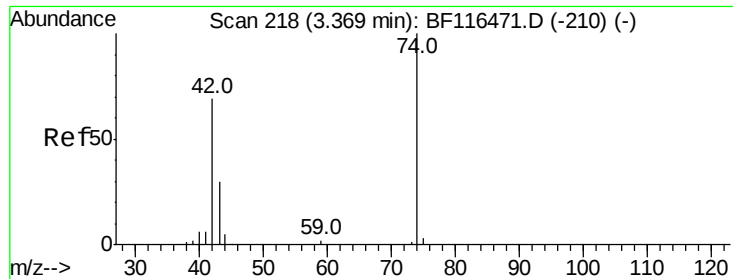
Pyridine
Concen: 5.328 ng
RT: 3.45 min Scan# 231
Delta R.T. 0.02 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion: 79 Resp: 27864
Ion Ratio Lower Upper
79 100
52 46.2 48.8 73.2#
51 114.2 25.2 37.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



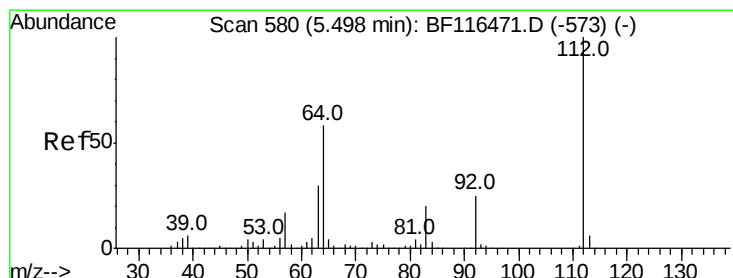
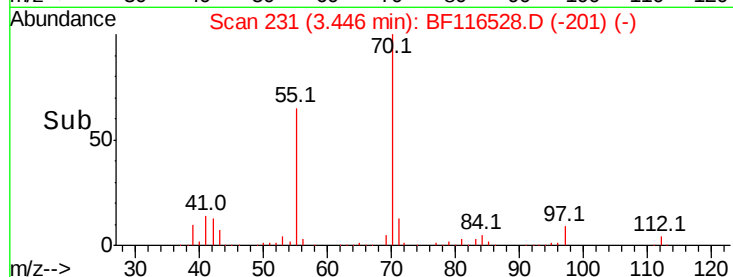
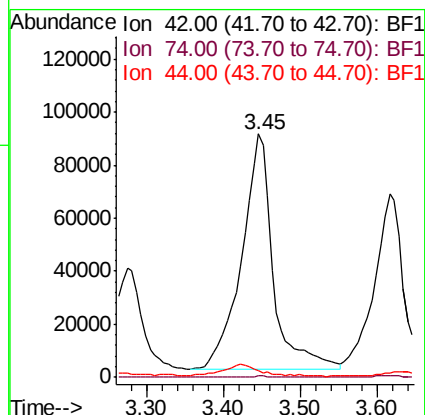
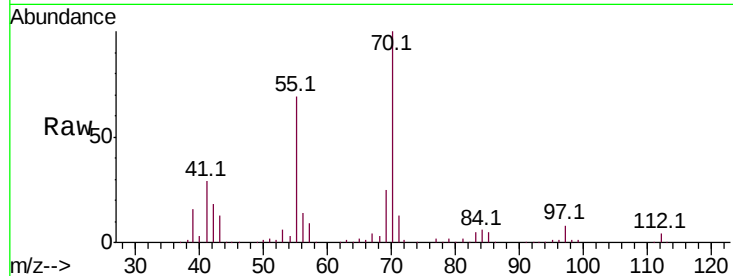


#4

n-Nitrosodimethylamine
 Concen: 132.682 ng
 RT: 3.45 min Scan# 231
 Delta R.T. 0.08 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Instrument :
 BNA_F
 ClientSampled :

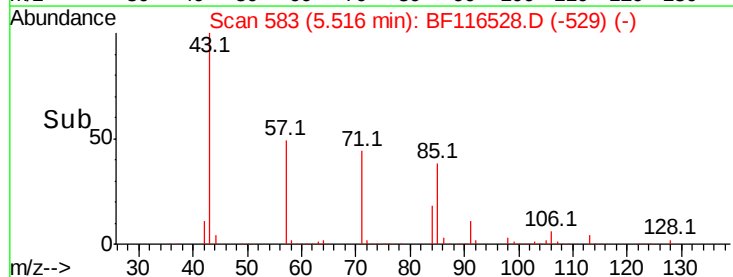
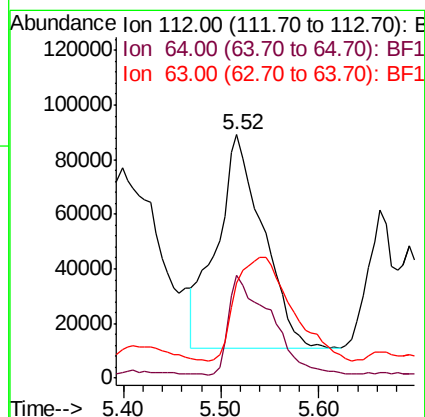
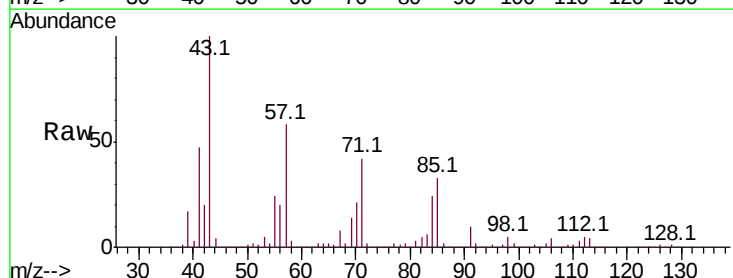
Tot Ion: 42 Resp: 253315
 Ion Ratio Lower Upper
 42 100
 74 0.5 115.3 172.9#
 44 2.7 5.8 8.8#

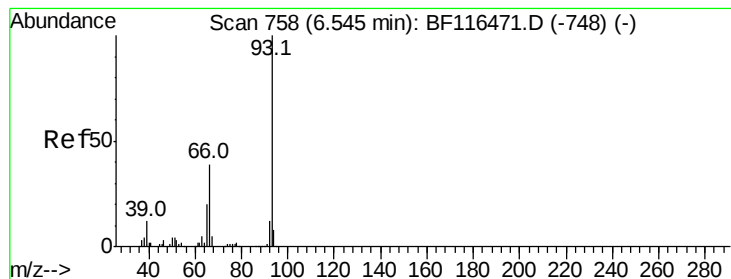


#5

2-Fluorophenol
 Concen: 65.422 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.02 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Tgt Ion: 112 Resp: 259494
 Ion Ratio Lower Upper
 112 100
 64 42.4 46.3 69.5#
 63 39.0 24.2 36.4#





#6

Aniline

Concen: 19.640 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.11 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampleId :

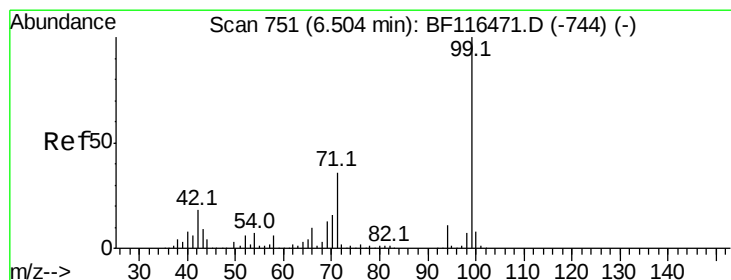
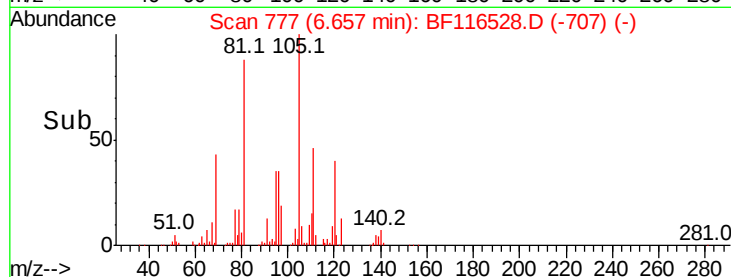
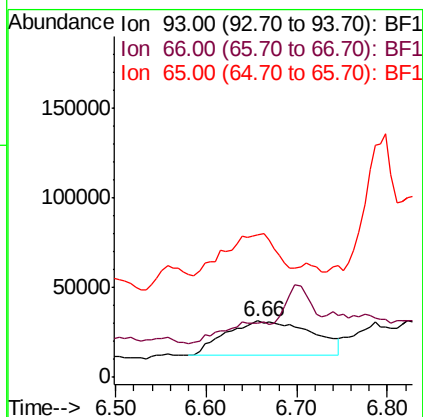
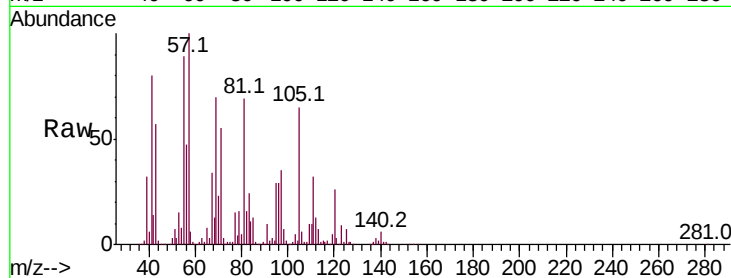
Tot Ion: 93 Resp: 129314

Ion Ratio Lower Upper

93 100

66 96.9 32.2 48.2#

65 253.1 16.3 24.5#



#7

Phenol-d6

Concen: 183.828 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.03 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

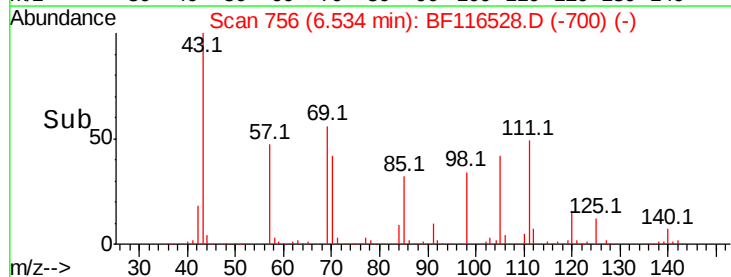
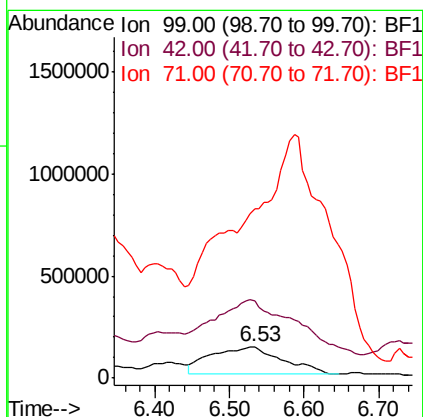
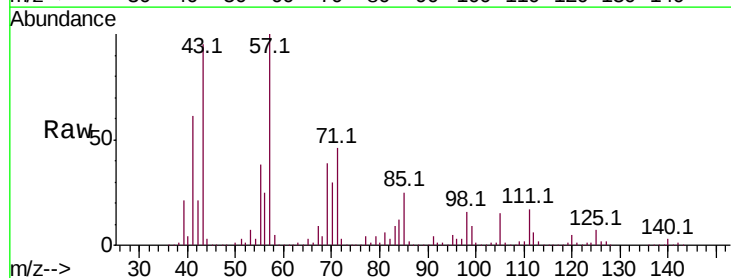
Tgt Ion: 99 Resp: 894044

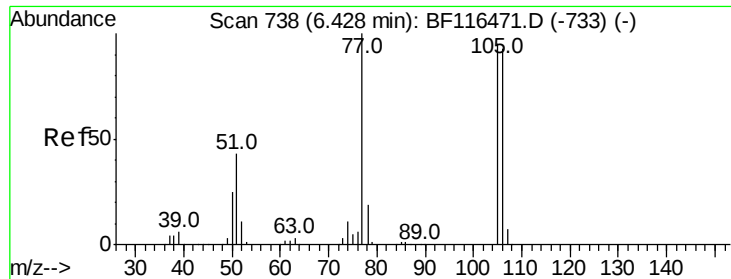
Ion Ratio Lower Upper

99 100

42 243.6 14.6 21.8#

71 538.8 28.5 42.7#





#9

Benzaldehyd

Concen: 9.162 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.05 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampled :

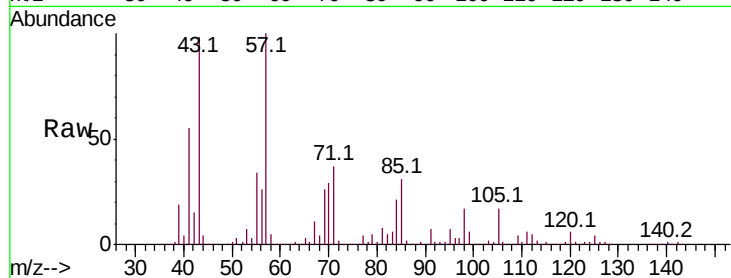
Tot Ion: 77 Resp: 29771

Ion Ratio Lower Upper

77 100

105 426.3 75.5 115.5#

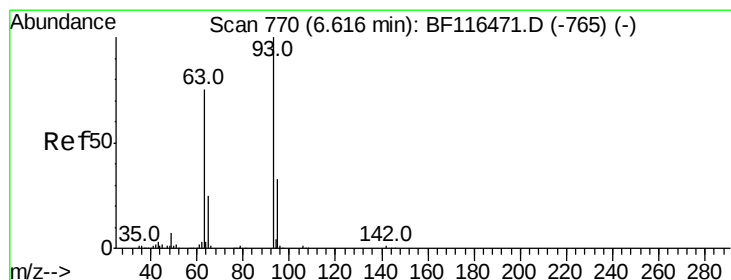
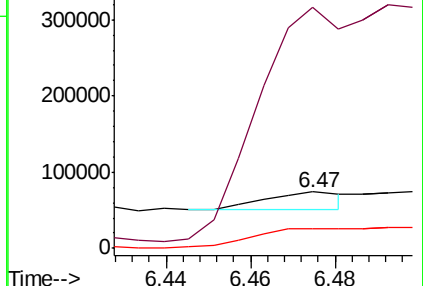
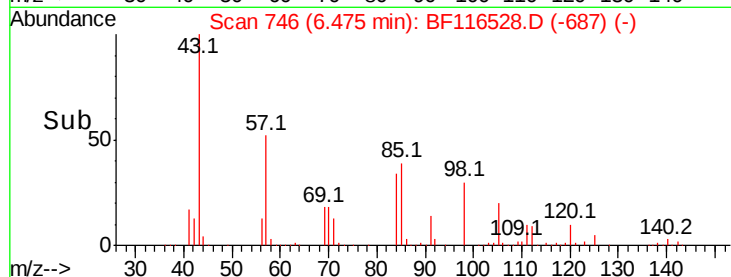
106 35.1 73.2 113.2#



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



#11

bis(2-Chloroethyl)ether

Concen: 32.158 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.04 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

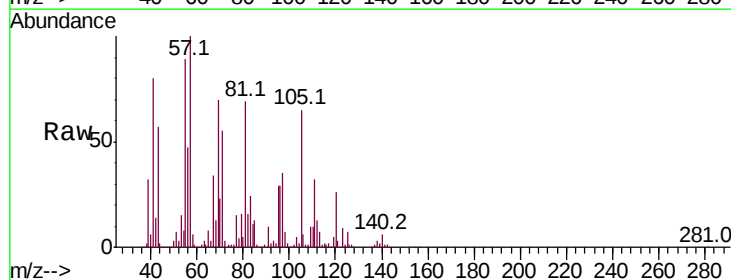
Tgt Ion: 93 Resp: 129314

Ion Ratio Lower Upper

93 100

63 107.4 54.3 94.3#

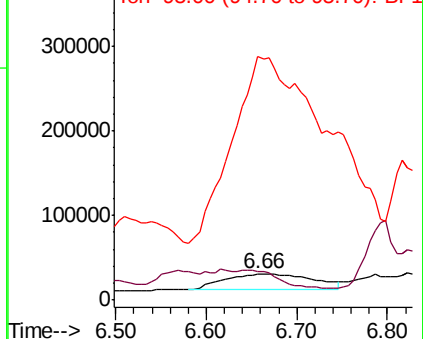
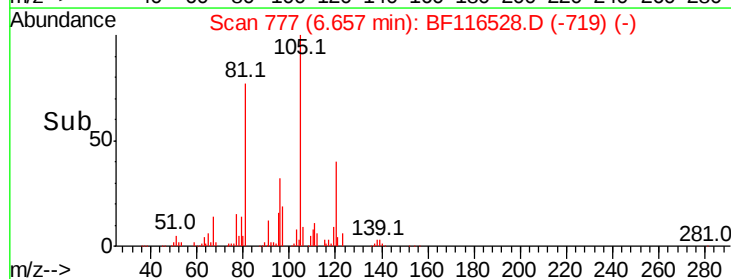
95 920.3 13.3 53.3#

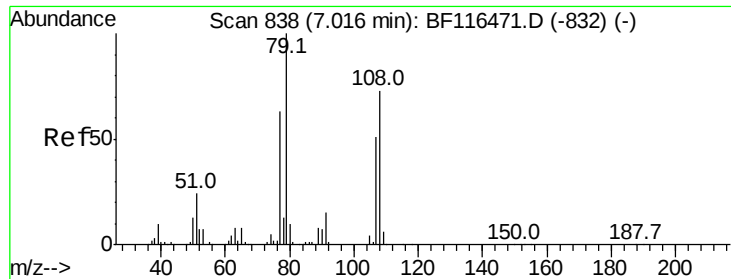


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 60.092 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.05 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampleId :

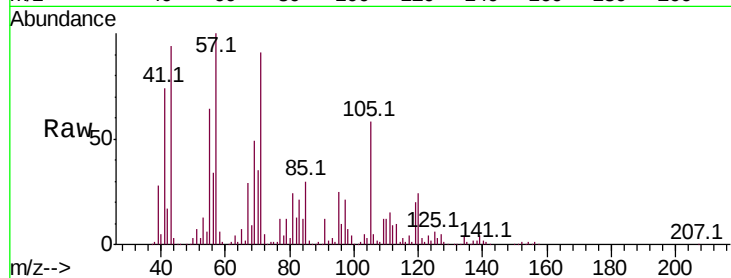
Tot Ion: 79 Resp: 236516

Ion Ratio Lower Upper

79 100

108 5.8 58.1 87.1#

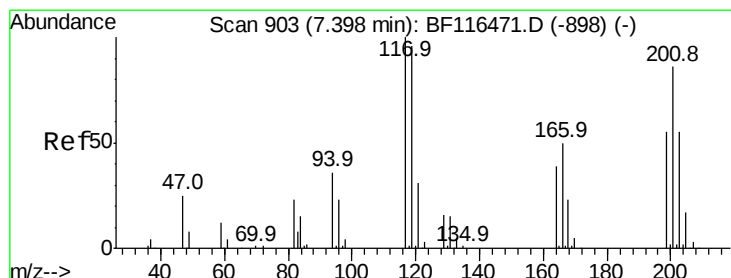
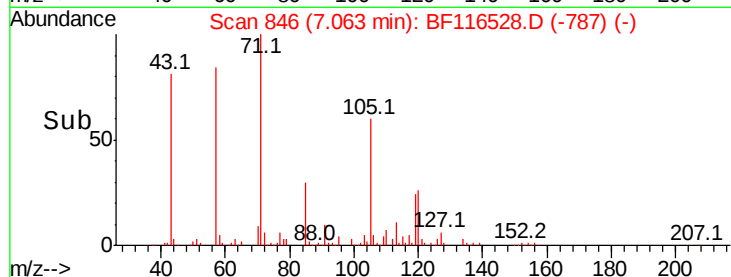
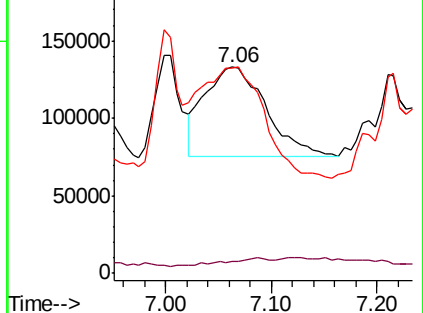
77 99.5 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 305.110 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.07 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

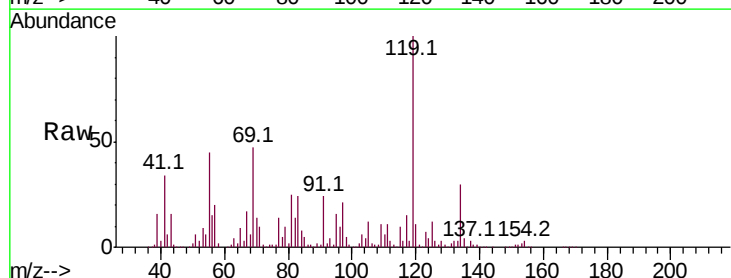
Tgt Ion: 117 Resp: 515968

Ion Ratio Lower Upper

117 100

119 671.1 77.0 115.6#

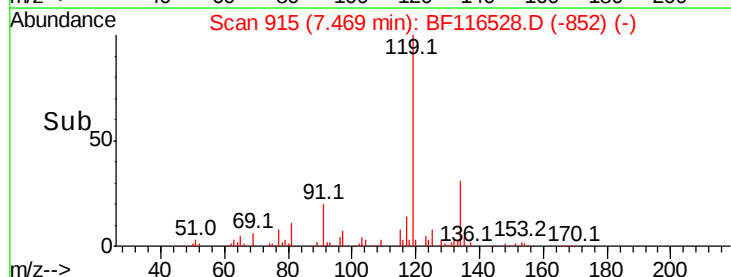
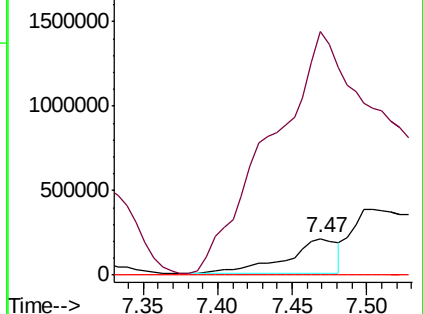
201 0.0 69.1 103.7#

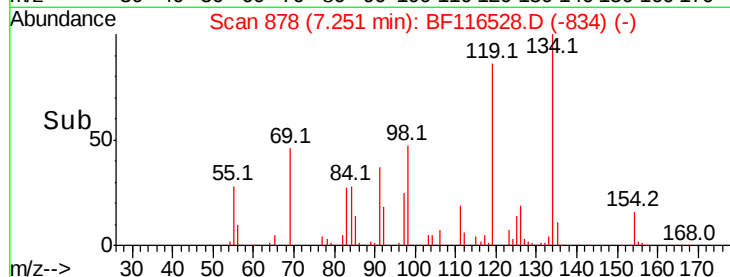
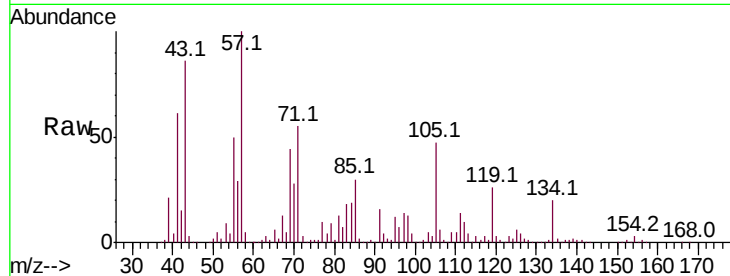
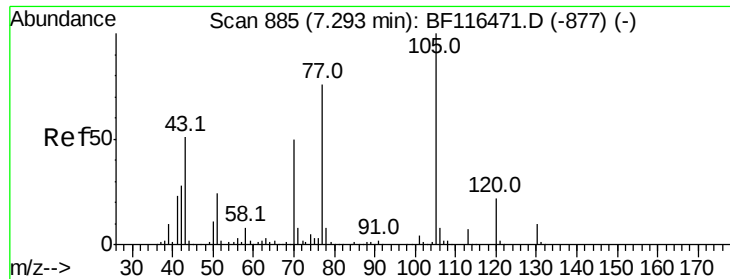


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

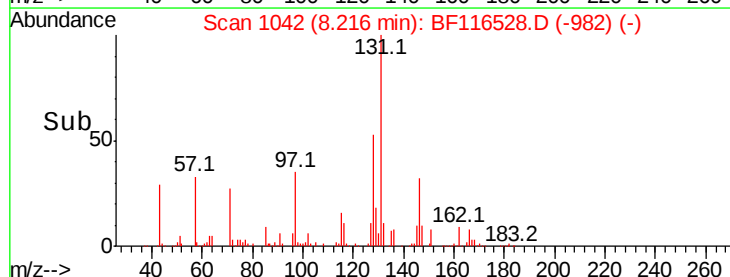
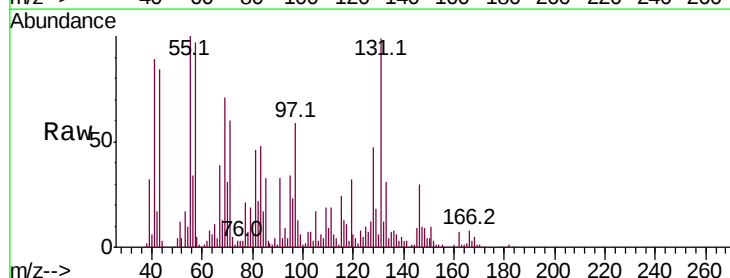
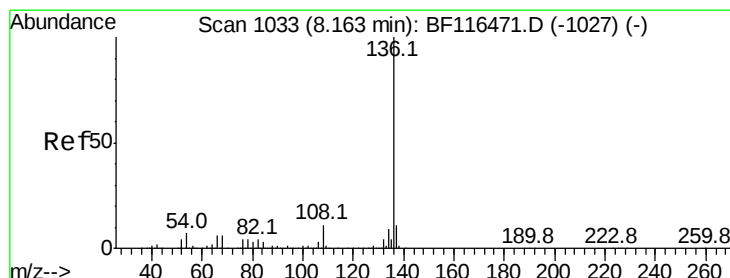
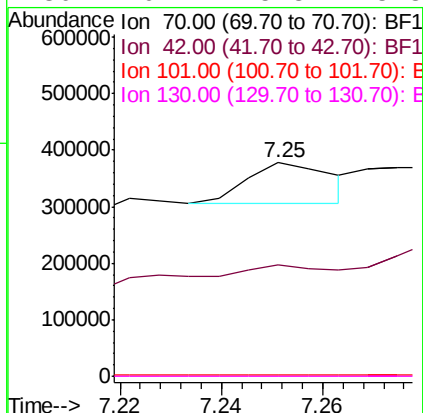




#19
n-Nitroso-di-n-propylamine
Concen: 24.616 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.04 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

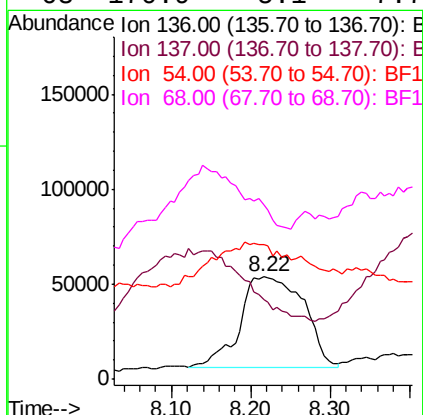
Instrument :
BNA_F
ClientSampled :

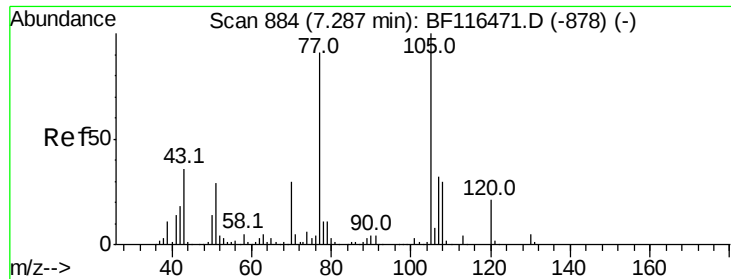
Tot Ion: 70 Resp: 81693
Ion Ratio Lower Upper
70 100
42 52.1 44.4 66.6
101 0.5 7.1 10.7#
130 0.2 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. 0.05 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion:136 Resp: 265803
Ion Ratio Lower Upper
136 100
137 77.3 9.0 13.4#
54 131.8 5.8 8.6#
68 170.9 5.1 7.7#





#22

Acetophenone

Concen: 78.484 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.11 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:105 Resp: 521650

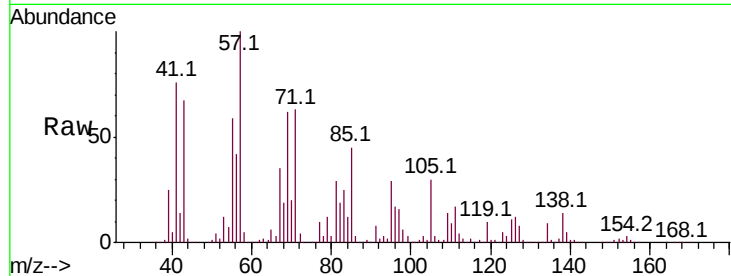
Ion Ratio Lower Upper

105 100

71 210.1 4.2 6.2#

51 14.3 23.0 34.4#

120 3.5 16.5 24.7#

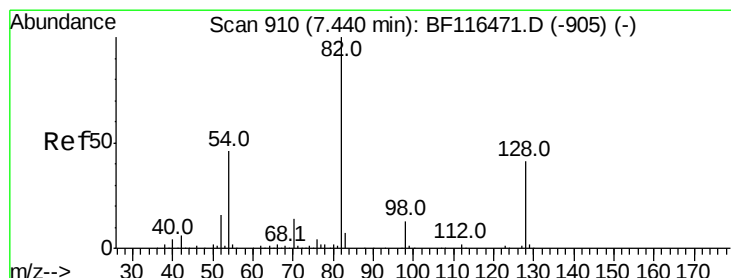
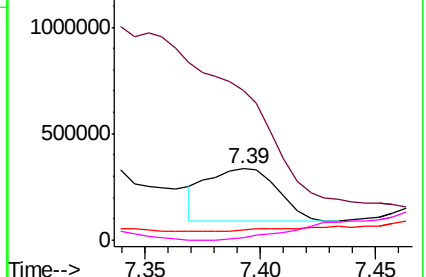
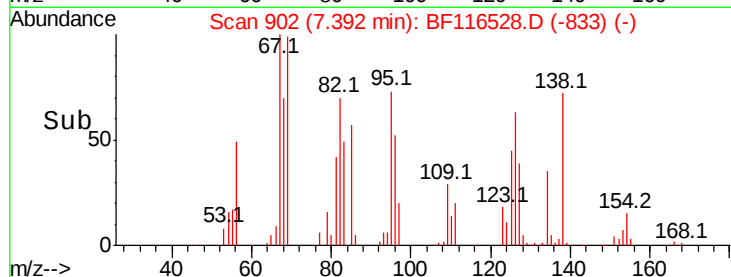


Abundance Ion 105.00 (104.70 to 105.70): E

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: 21.178 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.02 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

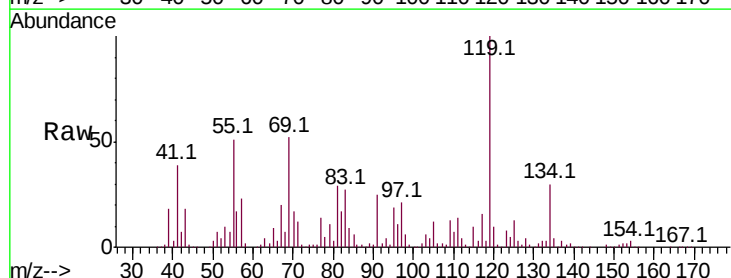
Tgt Ion: 82 Resp: 102892

Ion Ratio Lower Upper

82 100

128 22.8 32.2 48.4#

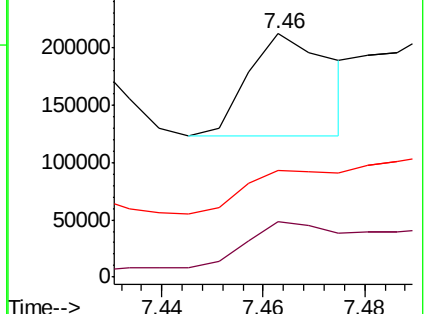
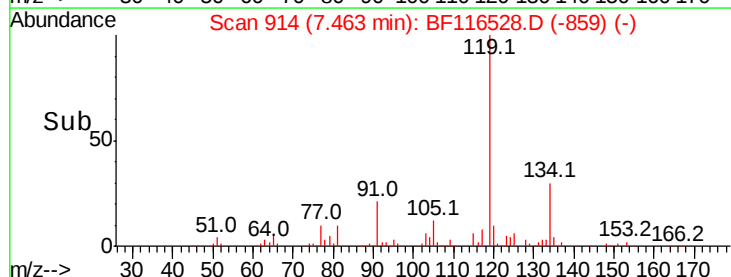
54 44.0 36.5 54.7

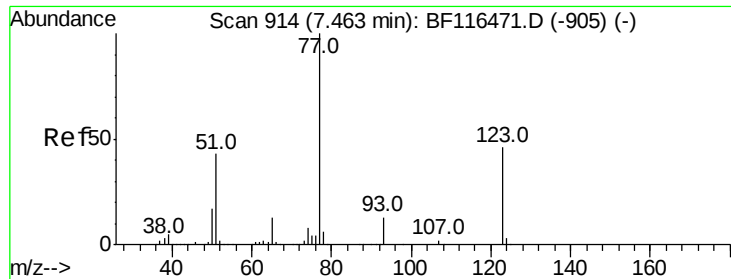


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 132.672 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampleId :

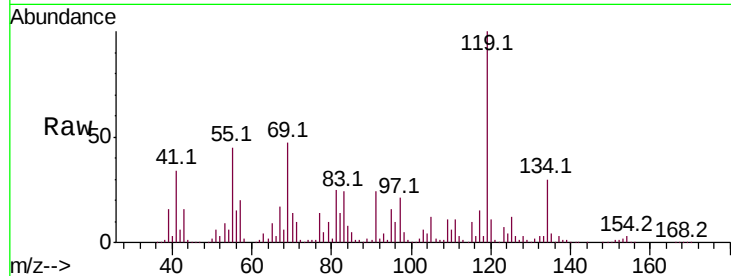
Tot Ion: 77 Resp: 667522

Ion Ratio Lower Upper

77 100

123 48.5 37.0 55.4

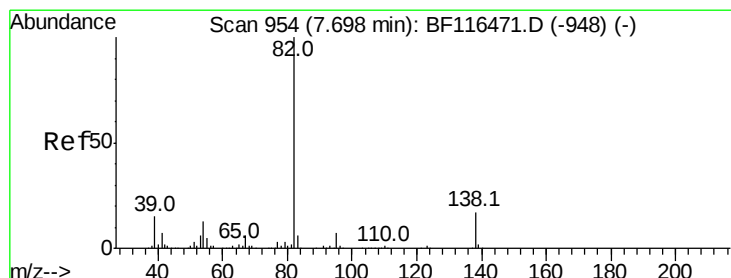
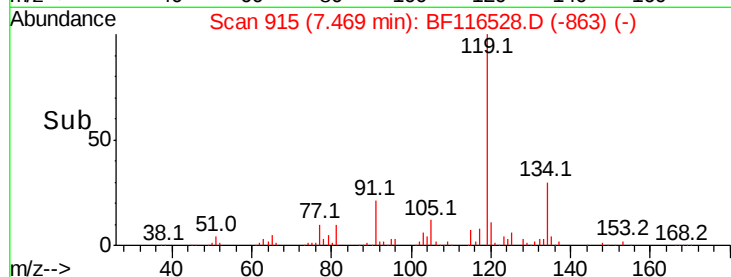
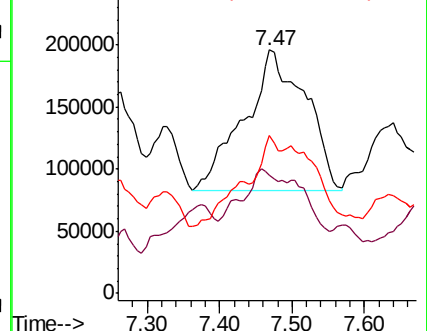
65 64.9 10.5 15.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 53.522 ng

RT: 7.80 min Scan# 972

Delta R.T. 0.11 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

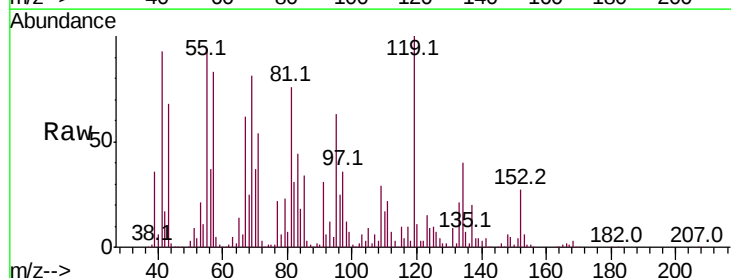
Tgt Ion: 82 Resp: 512438

Ion Ratio Lower Upper

82 100

95 200.9 5.3 7.9#

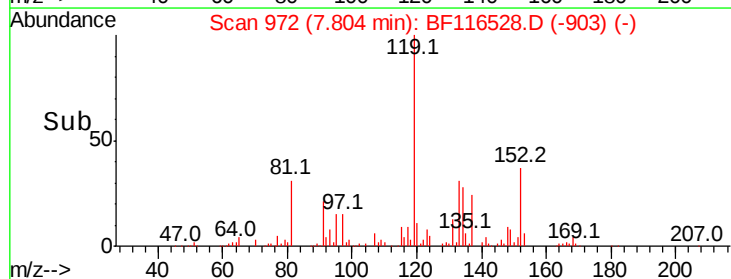
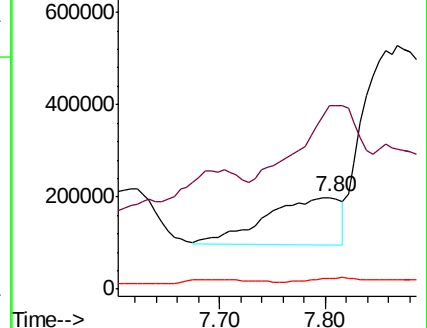
138 12.0 13.3 19.9#

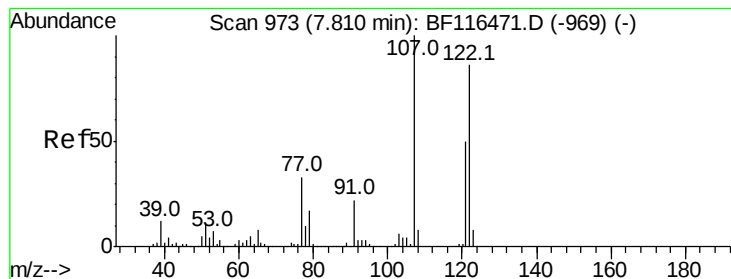


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#27

2,4-Dimethylphenol

Concen: 13.412 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampled :

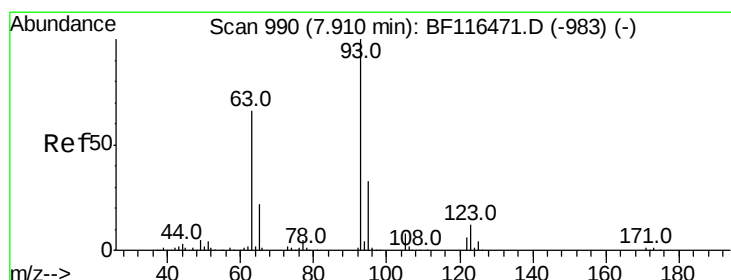
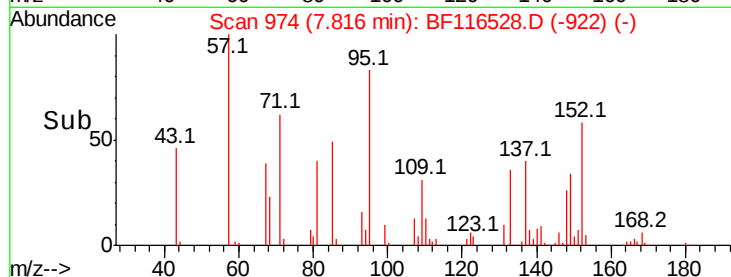
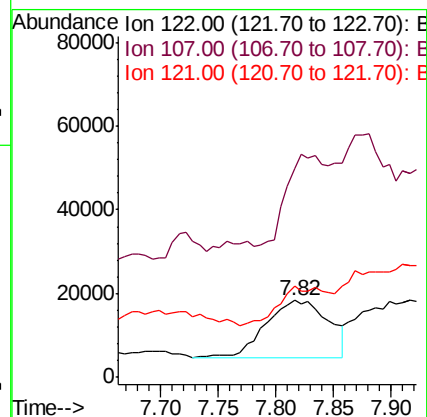
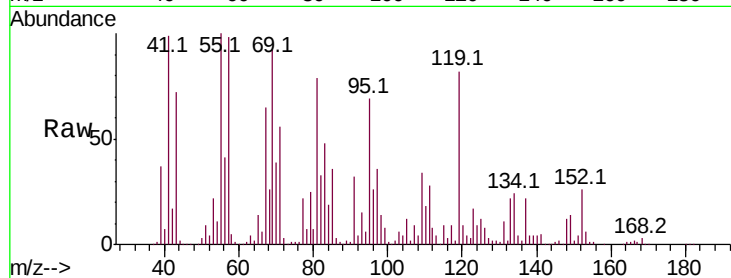
Tot Ion:122 Resp: 51429

Ion Ratio Lower Upper

122 100

107 272.2 92.4 138.6#

121 119.4 46.2 69.4#



#28

bis(2-Chloroethoxy)methane

Concen: 10.669 ng

RT: 8.05 min Scan# 1014

Delta R.T. 0.14 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

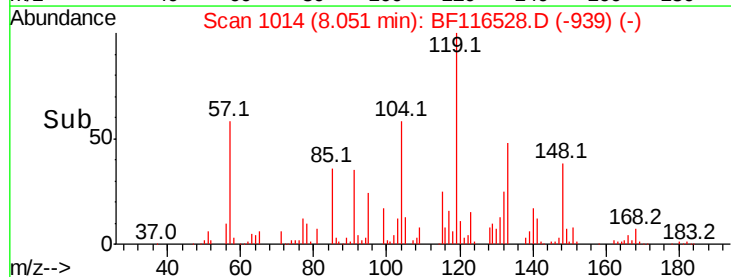
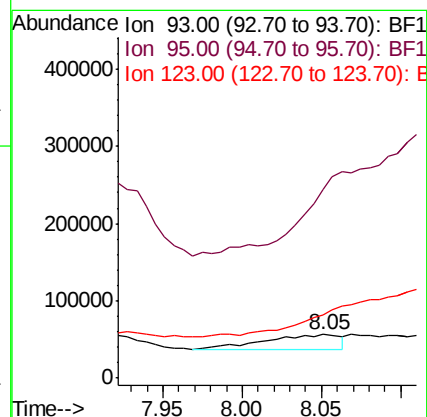
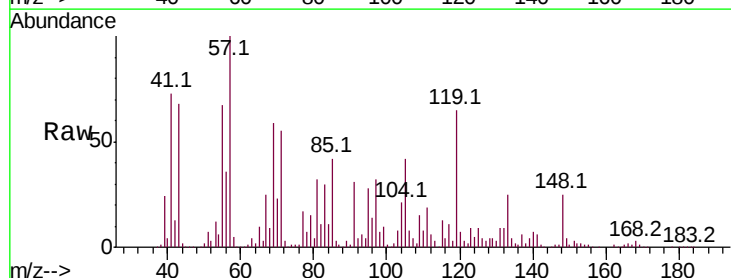
Tgt Ion: 93 Resp: 63080

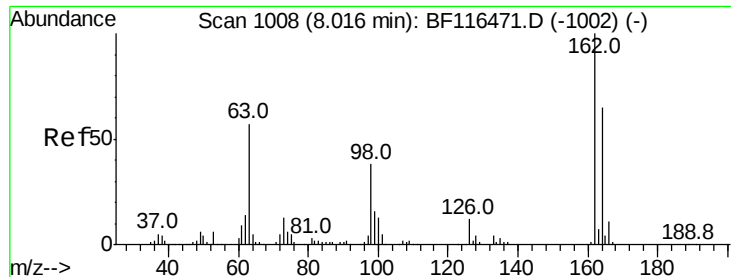
Ion Ratio Lower Upper

93 100

95 430.2 26.3 39.5#

123 144.4 9.8 14.6#

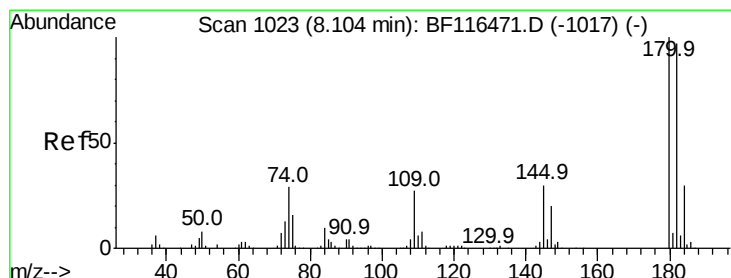
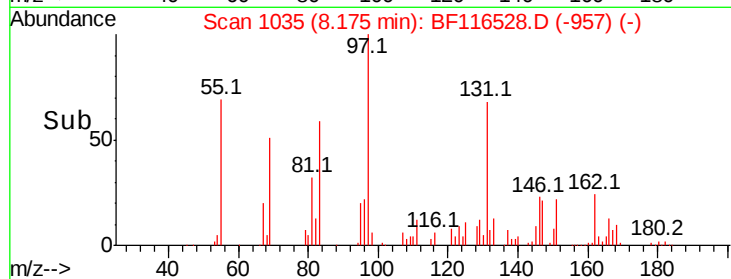
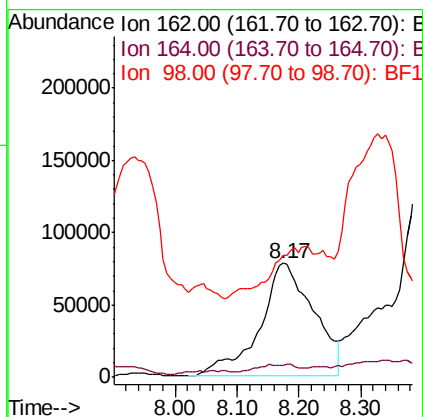
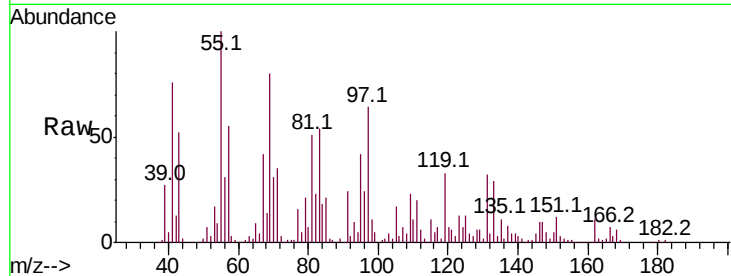




#29
 2,4-Dichlorophenol
 Concen: 129.557 ng
 RT: 8.17 min Scan# 1035
 Delta R.T. 0.16 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

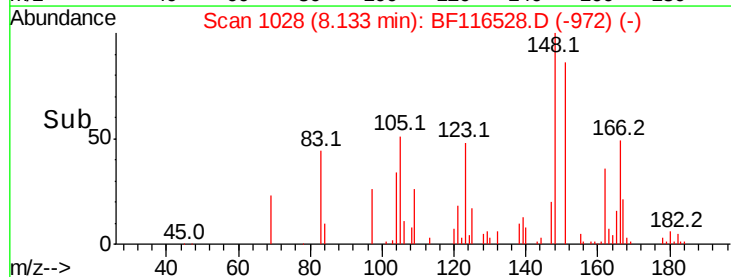
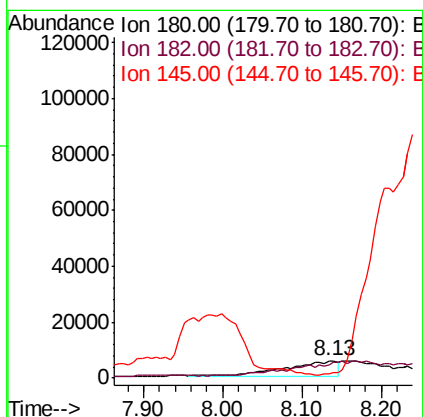
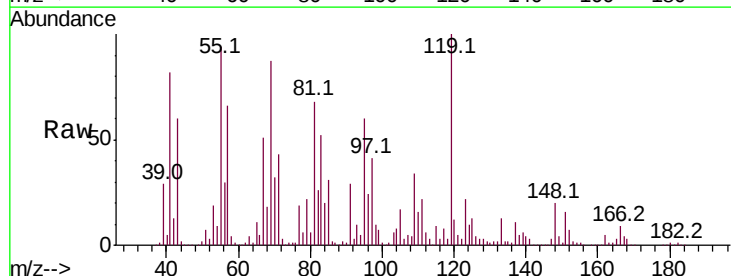
Instrument :
 BNA_F
 ClientSampled :

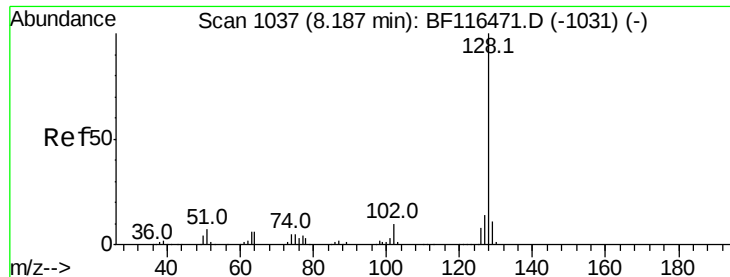
Tot Ion:162 Resp: 472467
 Ion Ratio Lower Upper
 162 100
 164 11.0 44.9 84.9#
 98 107.0 17.9 57.9#



#30
 1,2,4-Trichlorobenzene
 Concen: 5.824 ng
 RT: 8.13 min Scan# 1028
 Delta R.T. 0.03 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Tgt Ion:180 Resp: 23912
 Ion Ratio Lower Upper
 180 100
 182 76.1 77.4 116.0#
 145 24.4 24.3 36.5

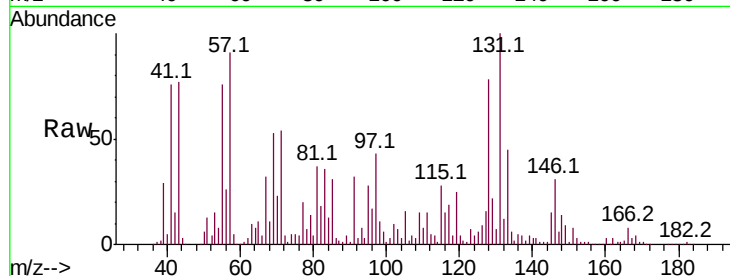




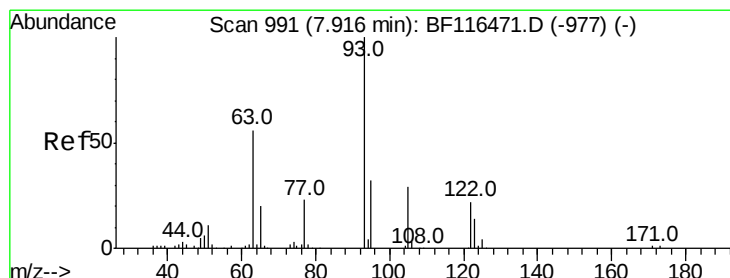
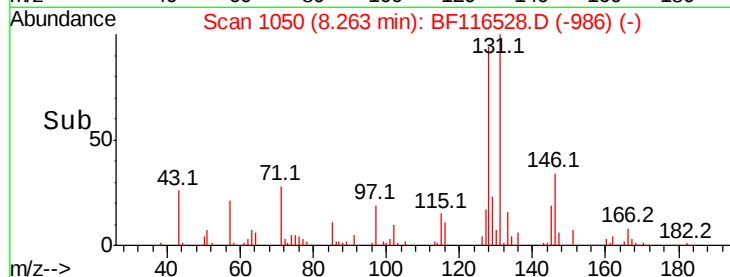
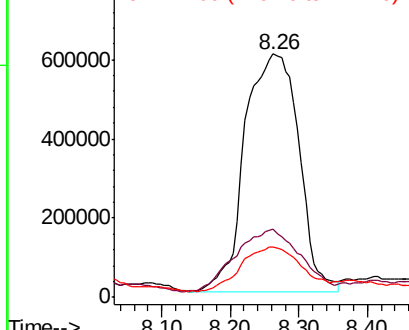
#31
Naphthalene
Concen: 254.215 ng
RT: 8.26 min Scan# 1050
Delta R.T. 0.08 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 3268793
Ion Ratio Lower Upper
128 100
129 28.0 9.0 13.6#
127 20.7 10.9 16.3#

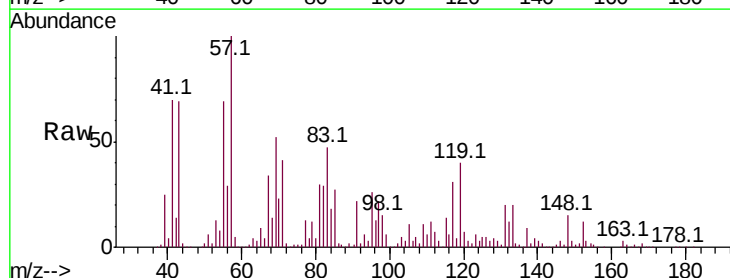


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

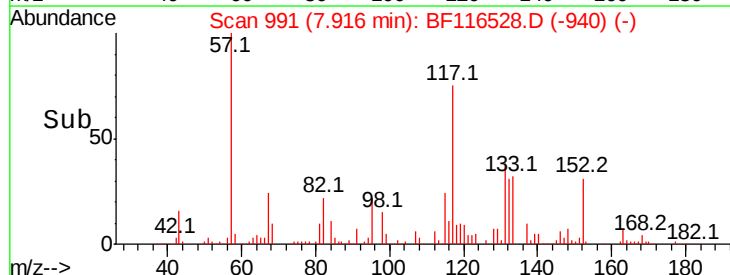
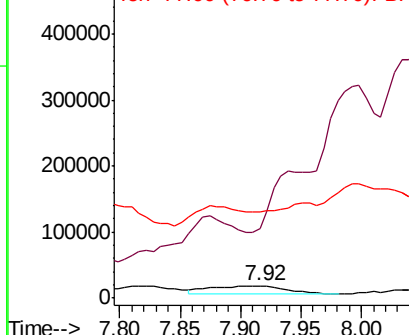


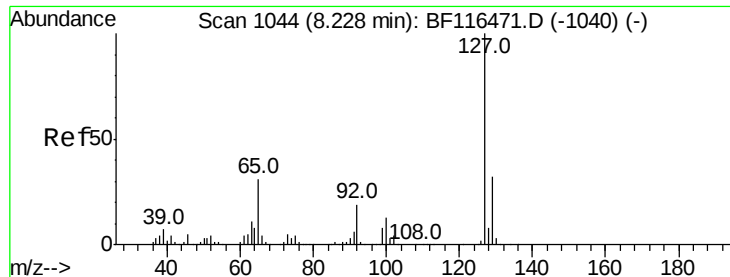
#32
Benzoic acid
Concen: 22.373 ng
RT: 7.92 min Scan# 991
Delta R.T. -0.00 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion:122 Resp: 54847
Ion Ratio Lower Upper
122 100
105 572.9 109.9 149.9#
77 706.8 84.9 124.9#



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

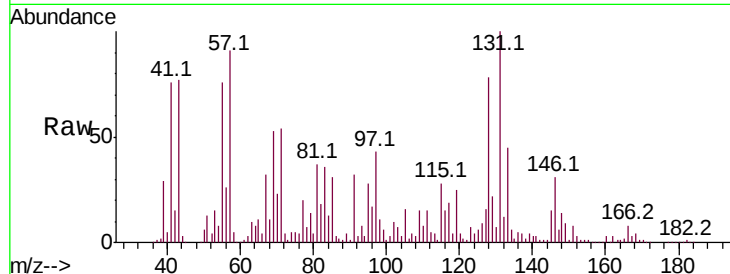




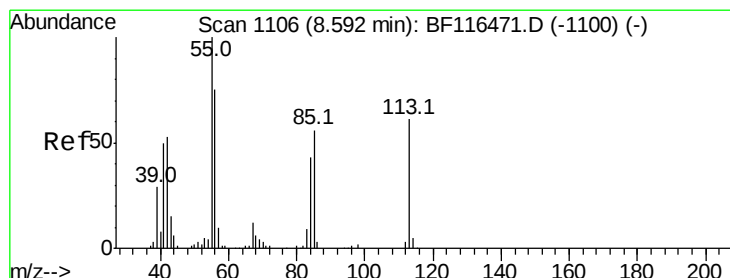
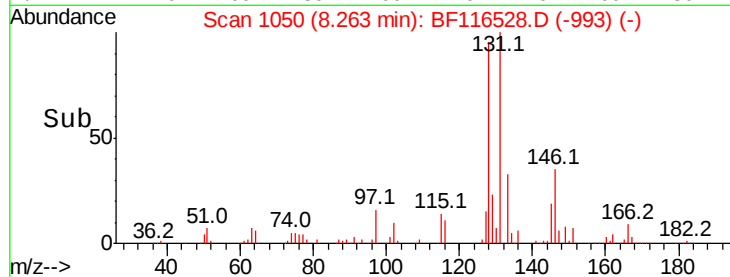
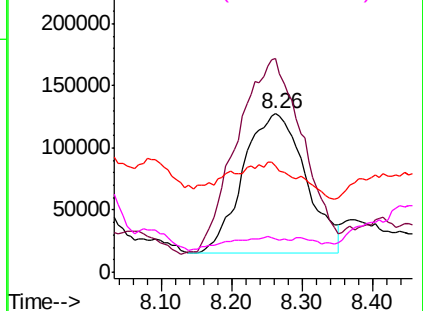
#33
4-Chloroaniline
Concen: 122.917 ng
RT: 8.26 min Scan# 1050
Delta R.T. 0.04 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127 Resp: 693842
Ion Ratio Lower Upper
127 100
129 134.9 25.7 38.5#
65 67.1 25.0 37.6#
92 21.1 15.0 22.6

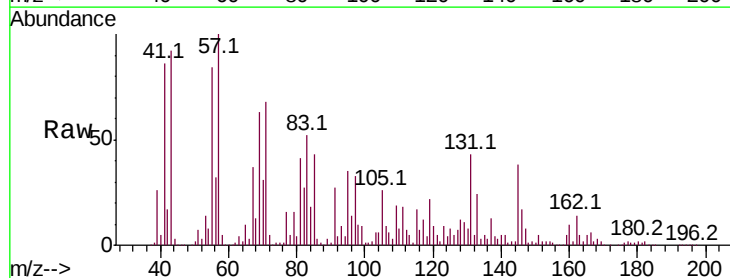


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

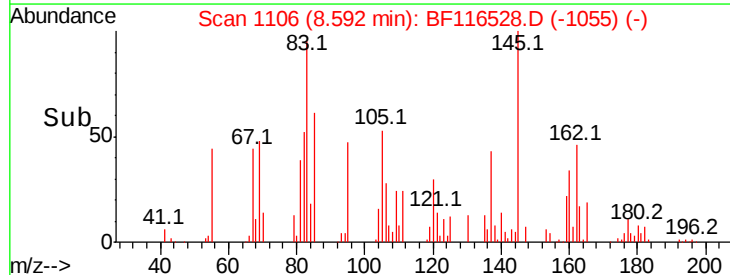
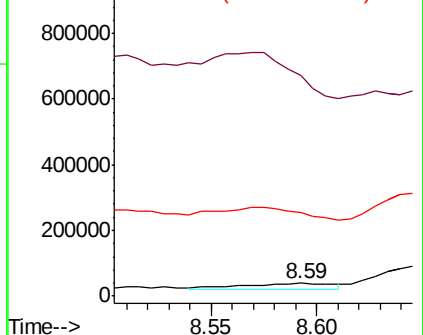


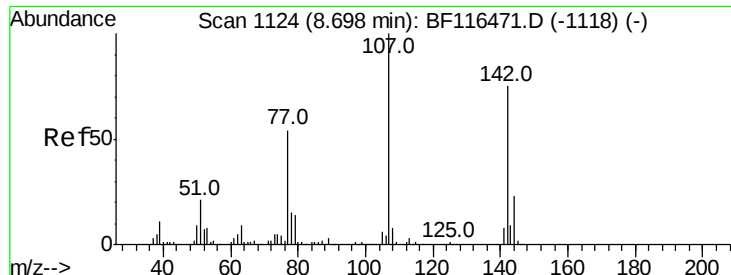
#35
Caprolactam
Concen: 39.363 ng
RT: 8.59 min Scan# 1106
Delta R.T. -0.00 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion:113 Resp: 50001
Ion Ratio Lower Upper
113 100
55 1710.1 143.6 183.6#
56 645.8 102.3 142.3#



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

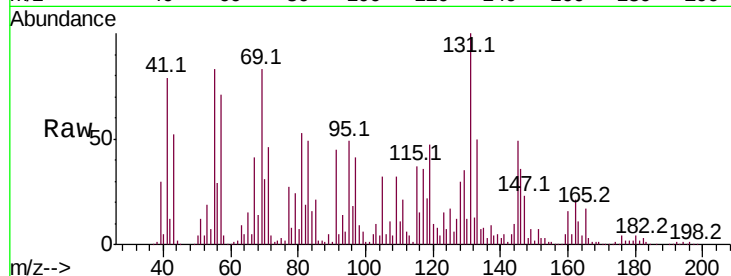




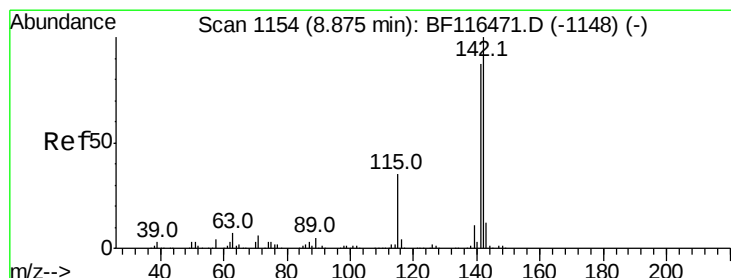
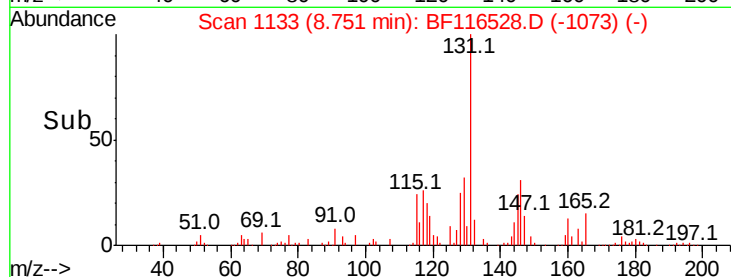
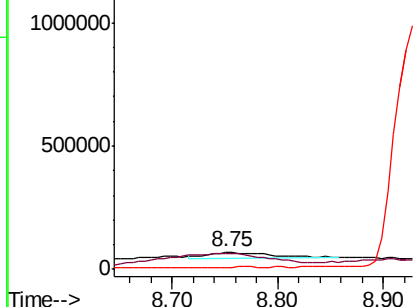
#36
4-Chloro-3-methylphenol
Concen: 25.402 ng
RT: 8.75 min Scan# 1133
Delta R.T. 0.05 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 104523
Ion Ratio Lower Upper
107 100
144 90.7 18.8 28.2#
142 12.9 59.8 89.6#

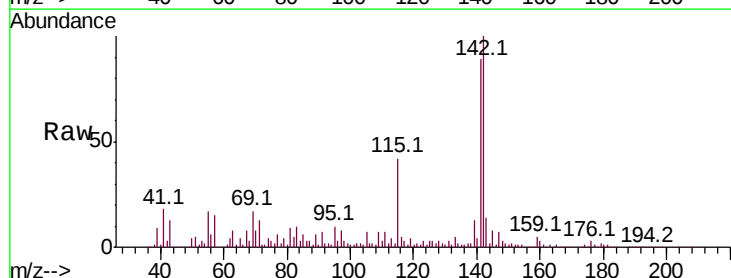


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

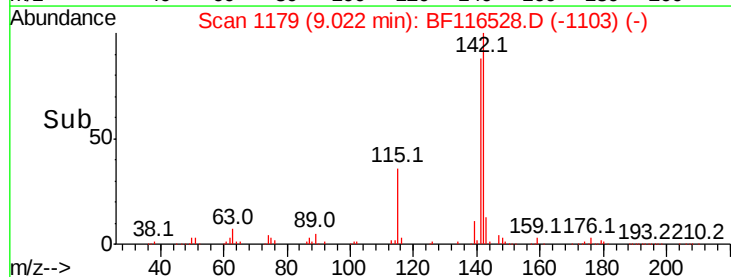
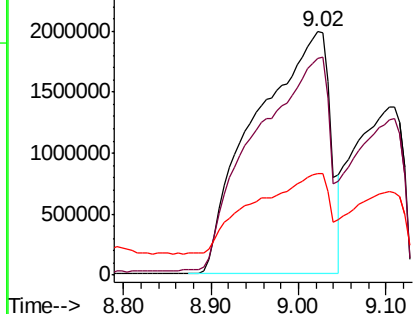


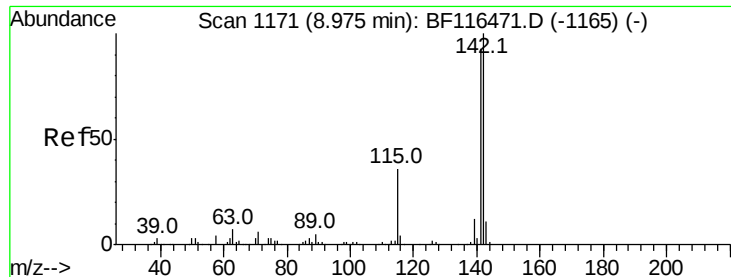
#37
2-Methylnaphthalene
Concen: 1327.051 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.15 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion:142 Resp:11716129
Ion Ratio Lower Upper
142 100
141 89.2 69.8 104.6
115 41.8 27.7 41.5#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

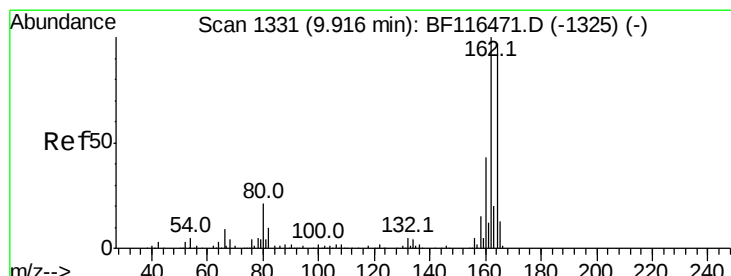
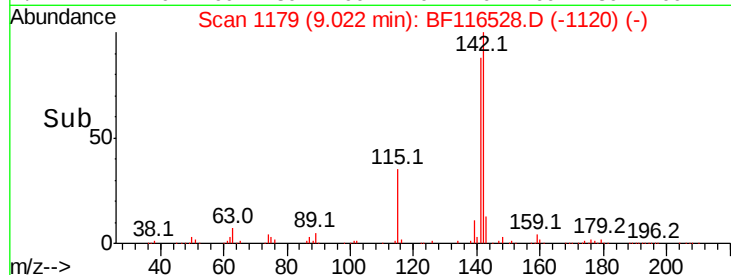
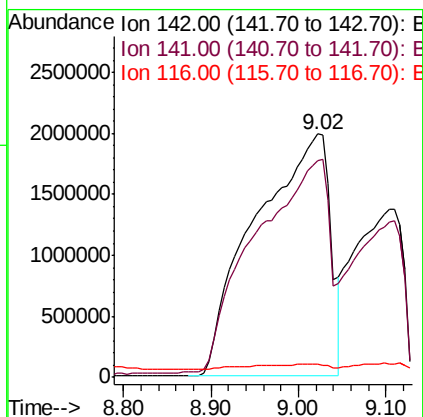
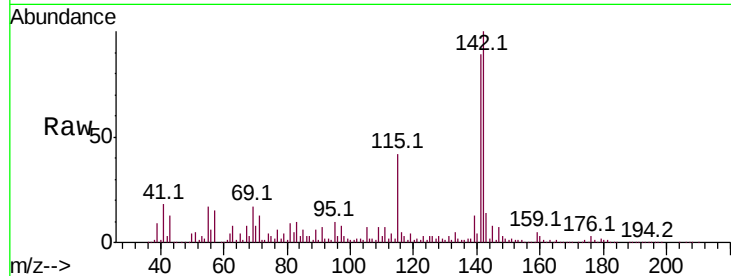




#38
1-Methylnaphthalene
Concen: 1420.618 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.05 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

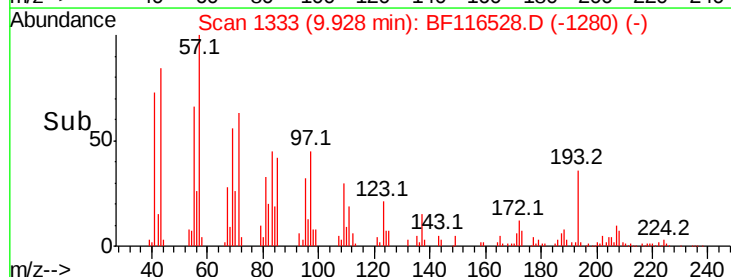
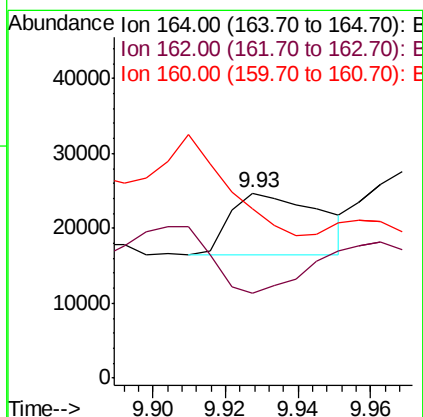
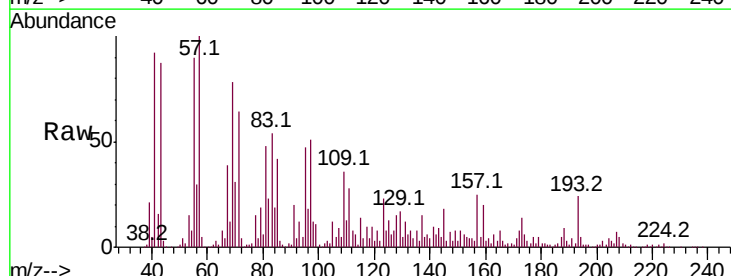
Instrument :
BNA_F
ClientSampleId :

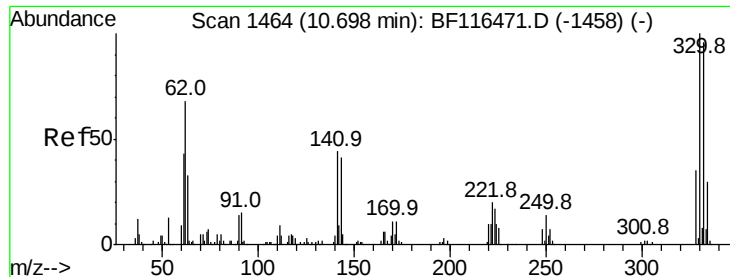
Tot Ion:142 Resp:11716129
Ion Ratio Lower Upper
142 100
141 89.2 74.2 111.2
116 5.2 2.9 4.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion:164 Resp: 14219
Ion Ratio Lower Upper
164 100
162 45.6 82.6 123.8#
160 91.8 35.8 53.8#

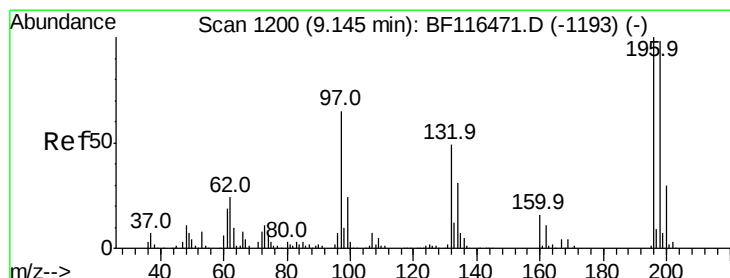
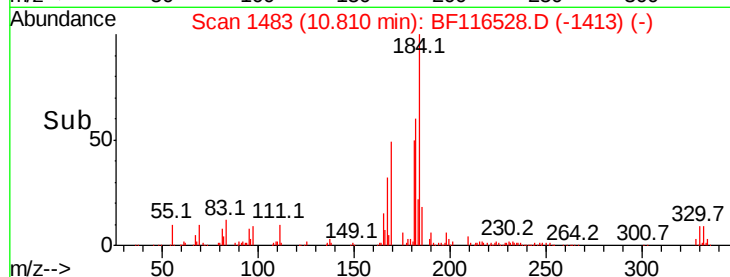
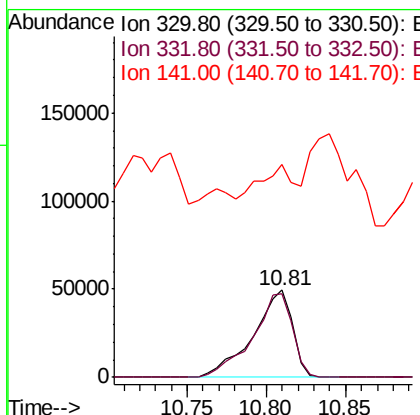
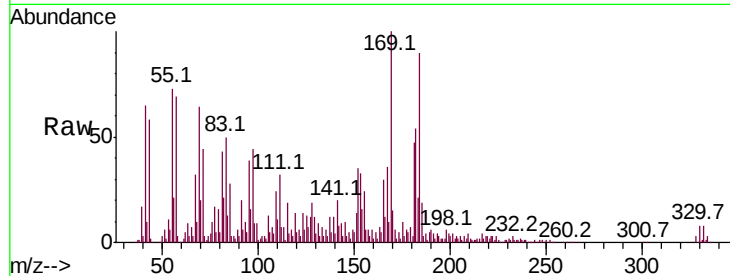




#42
 2,4,6-Tribromophenol
 Concen: 701.841 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.11 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

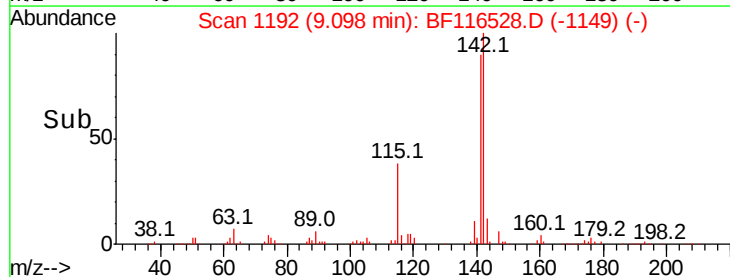
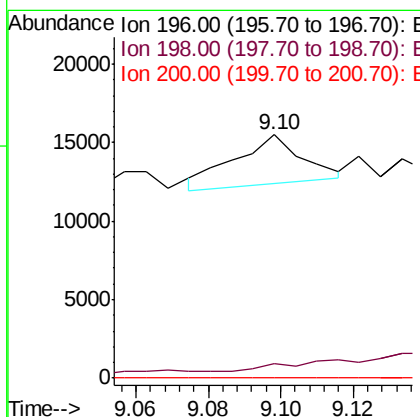
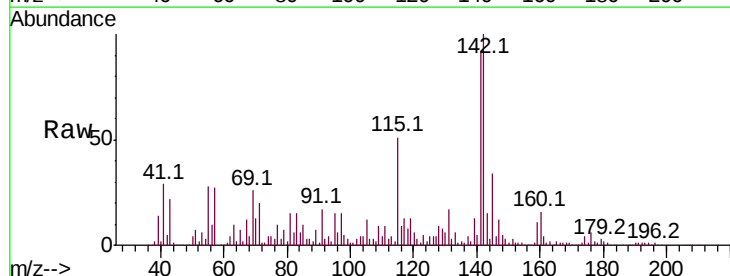
Instrument :
 BNA_F
 ClientSampleId :

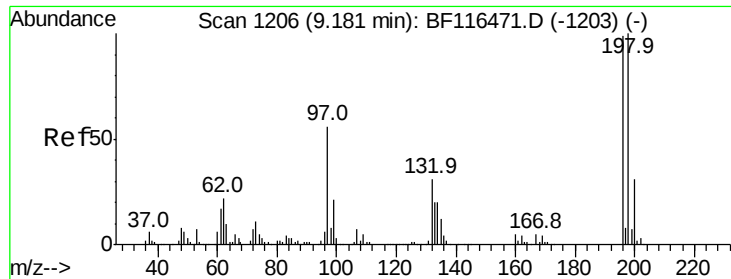
Tot Ion:330 Resp: 85691
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.2 115.8
 141 30.7 33.3 49.9#



#43
 2,4,6-Trichlorophenol
 Concen: 15.261 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.05 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Tgt Ion:196 Resp: 4086
 Ion Ratio Lower Upper
 196 100
 198 5.9 78.0 117.0#
 200 0.0 24.2 36.2#





#44

2,4,5-Trichlorophenol

Concen: 51.166 ng

RT: 9.26 min Scan# 1219

Delta R.T. 0.08 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampled :

Tot Ion:196 Resp: 13939

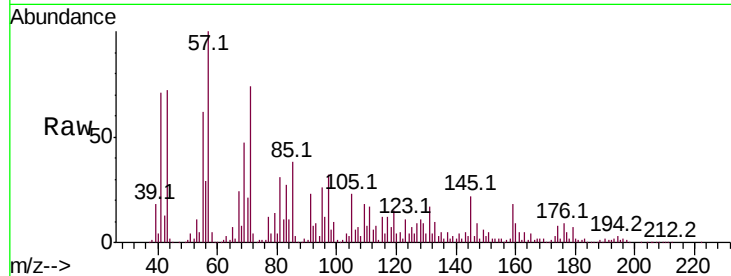
Ion Ratio Lower Upper

196 100

198 9.7 80.8 121.2#

97 2138.6 45.7 68.5#

132 260.8 25.1 37.7#

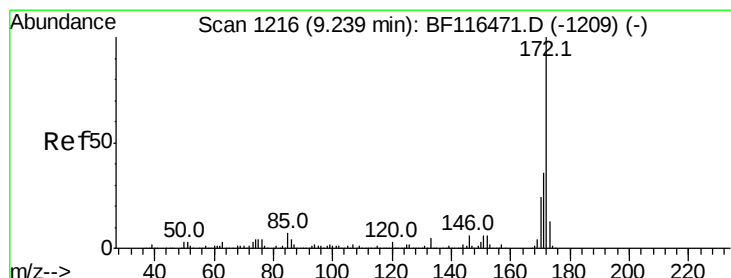
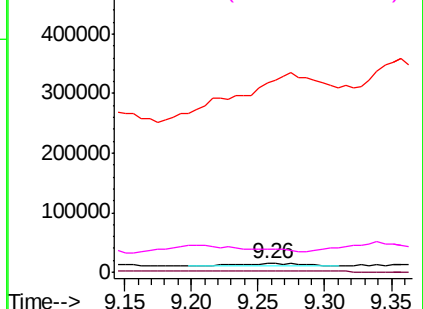
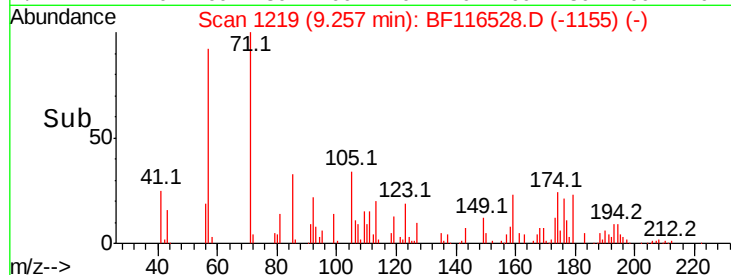


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#45

2-Fluorobiphenyl

Concen: 571.861 ng

RT: 9.34 min Scan# 1233

Delta R.T. 0.10 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

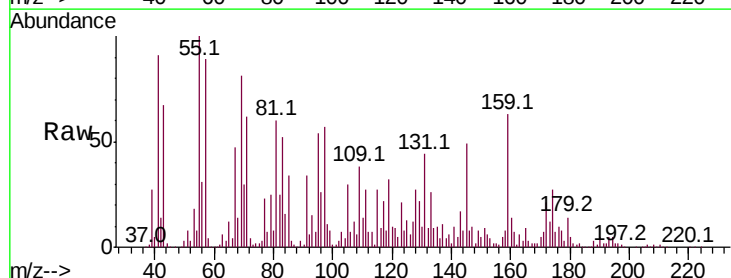
Tgt Ion:172 Resp: 504921

Ion Ratio Lower Upper

172 100

171 34.1 28.9 43.3

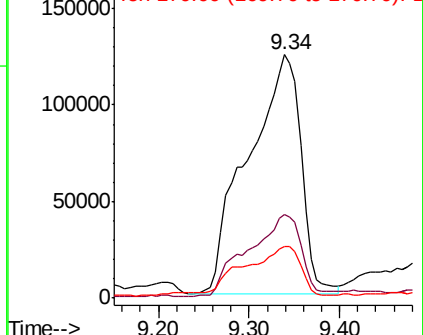
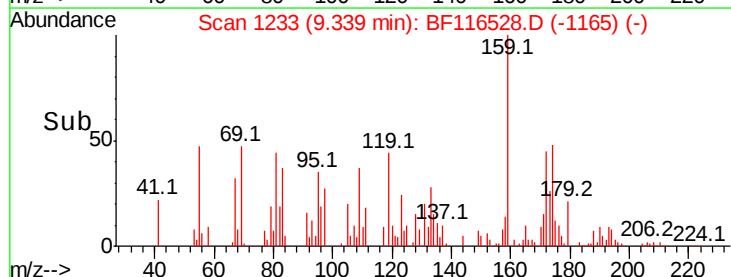
170 21.2 19.4 29.0

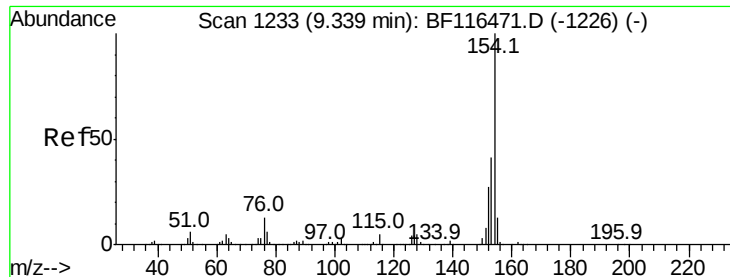


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

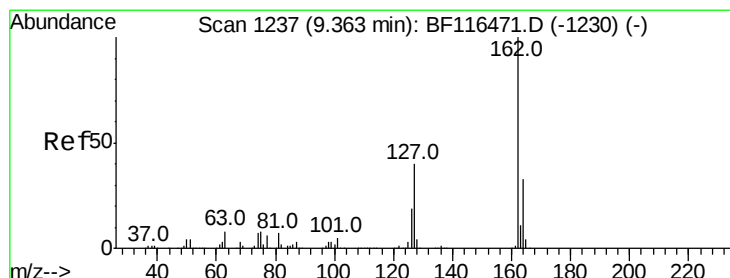
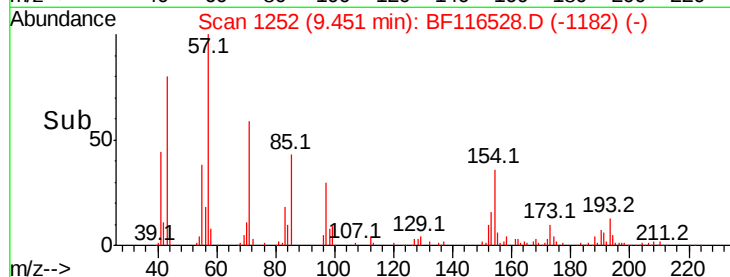
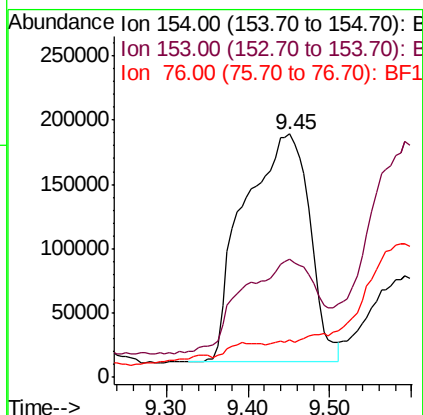
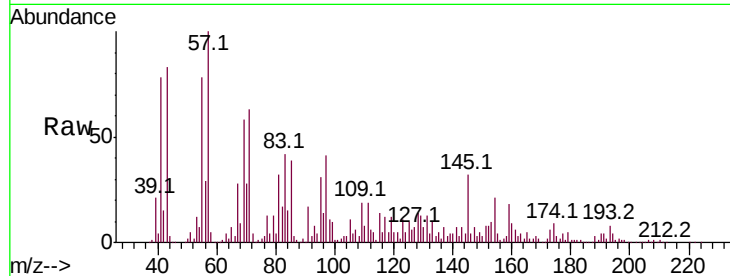




#46
 1,1'-Biphenyl
 Concen: 869.201 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. 0.11 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

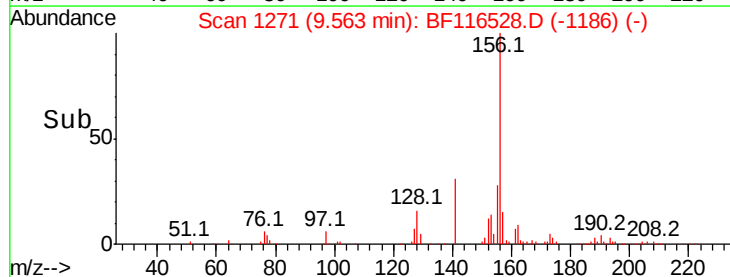
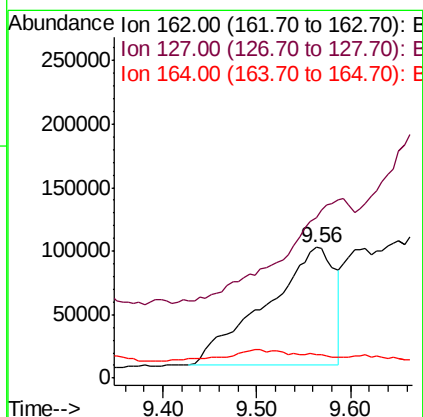
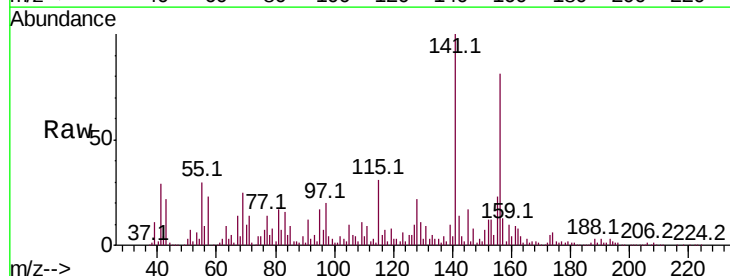
Instrument :
 BNA_F
 ClientSampled :

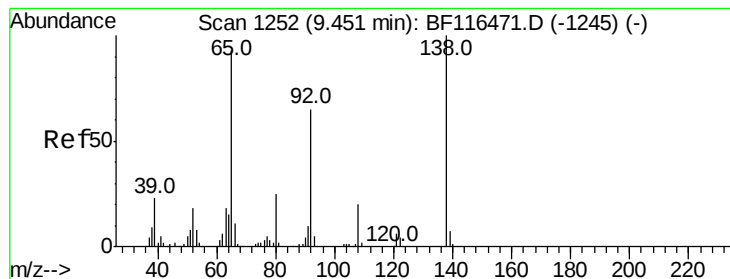
Tot Ion	Ratio	Lower	Upper
154	100		
153	48.7	21.3	61.3
76	15.2	0.0	32.9



#47
 2-Chloronaphthalene
 Concen: 534.391 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. 0.20 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Tgt Ion	Ratio	Lower	Upper
162	100		
127	123.2	32.5	48.7#
164	18.2	26.7	40.1#





#48

2-Nitroaniline

Concen: 6.307 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampleId :

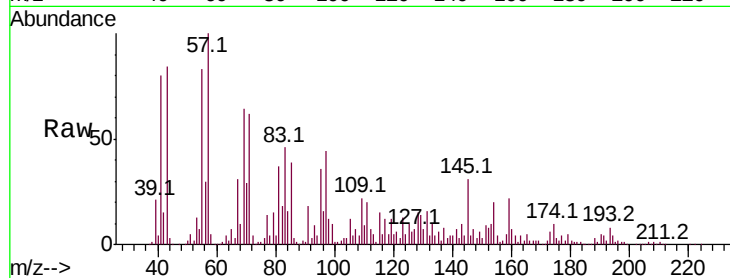
Tot Ion: 65 Resp: 1702

Ion Ratio Lower Upper

65 100

92 38.4 56.2 84.2#

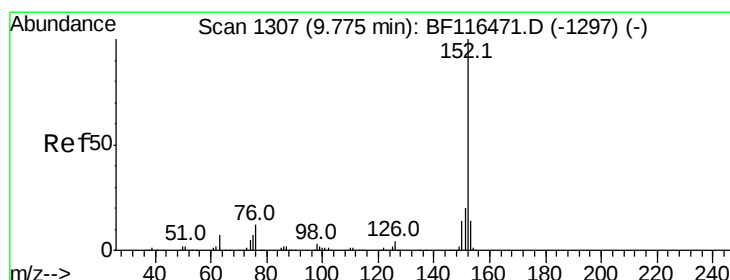
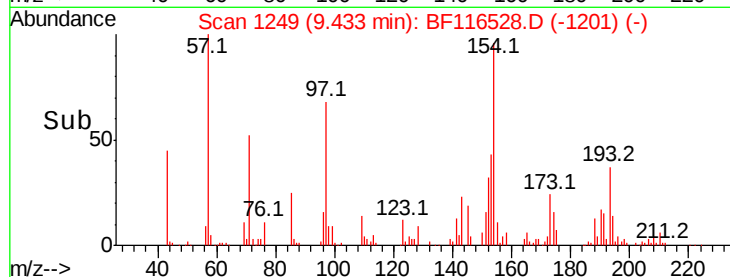
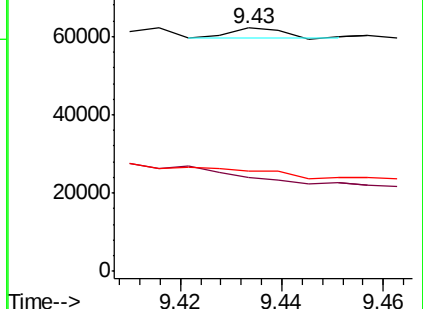
138 41.2 86.0 129.0#



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): BF1



#49

Acenaphthylene

Concen: 269.868 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.07 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

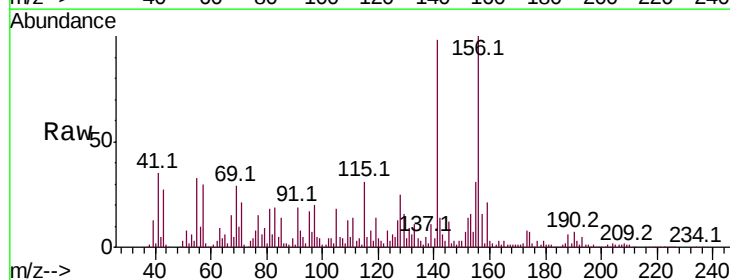
Tgt Ion:152 Resp: 347978

Ion Ratio Lower Upper

152 100

151 48.5 16.1 24.1#

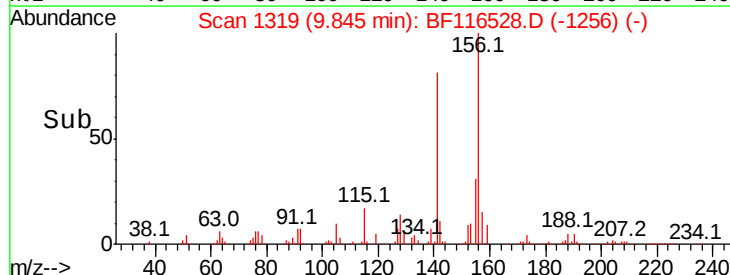
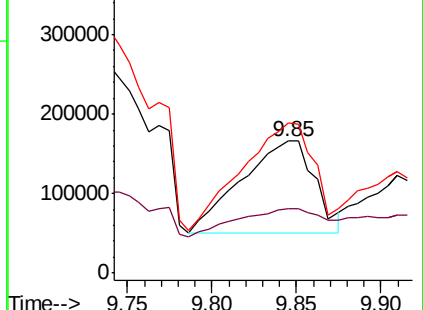
153 113.8 11.4 17.0#

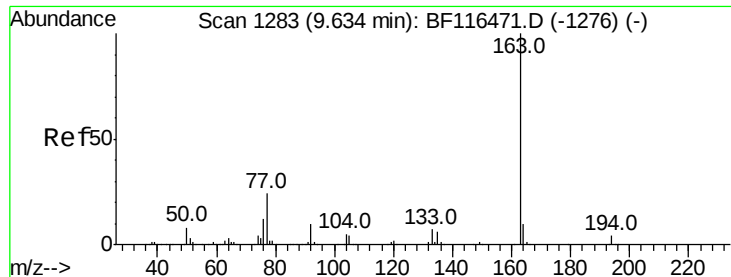


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 16.531 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.03 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampled :

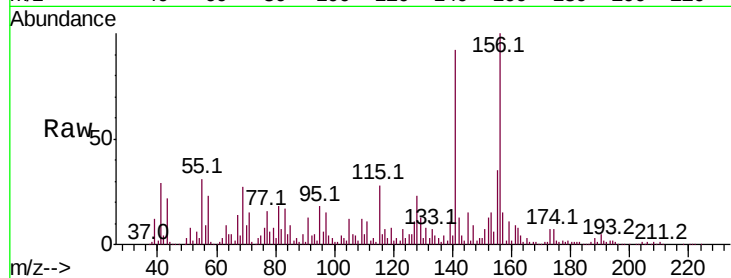
Tot Ion:163 Resp: 16400

Ion Ratio Lower Upper

163 100

194 51.3 2.9 4.3#

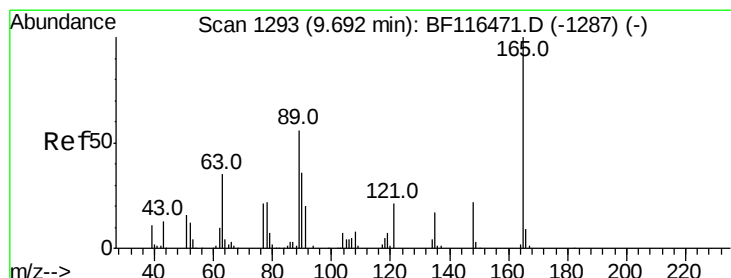
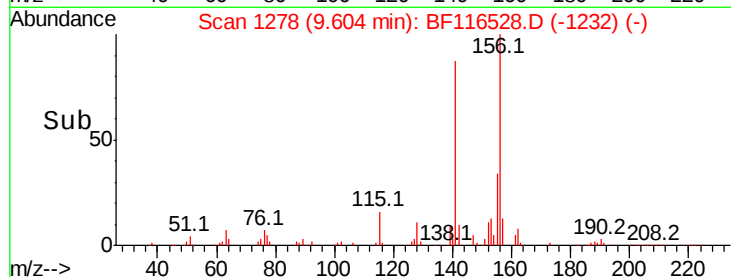
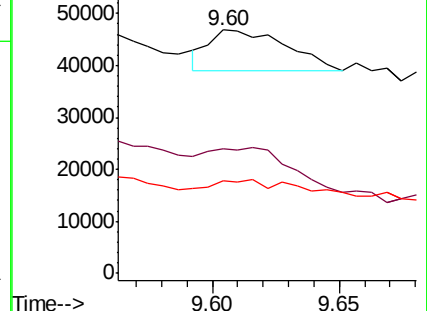
164 38.0 8.2 12.2#



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: 47.217 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

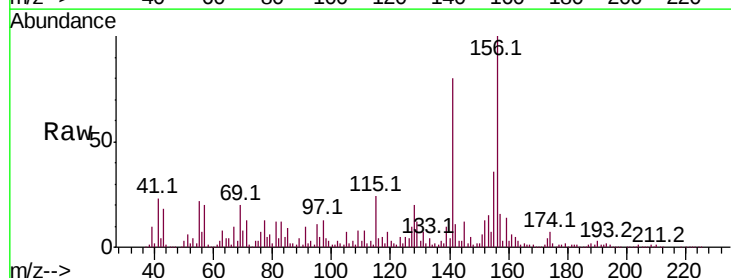
Tgt Ion:165 Resp: 9588

Ion Ratio Lower Upper

165 100

63 351.4 43.7 65.5#

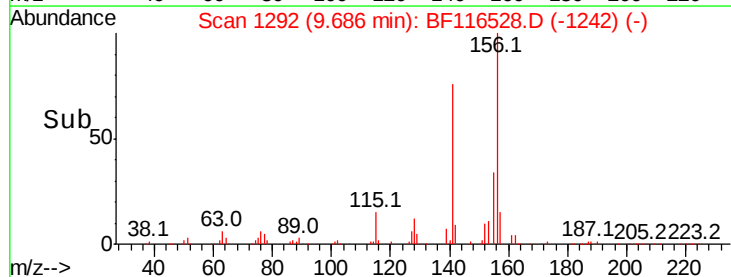
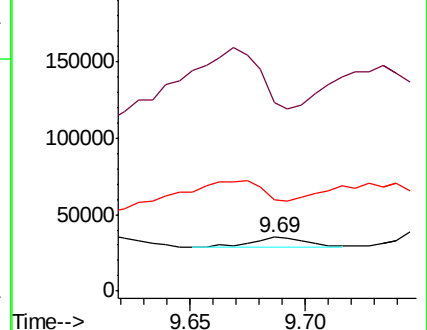
89 171.5 45.1 67.7#

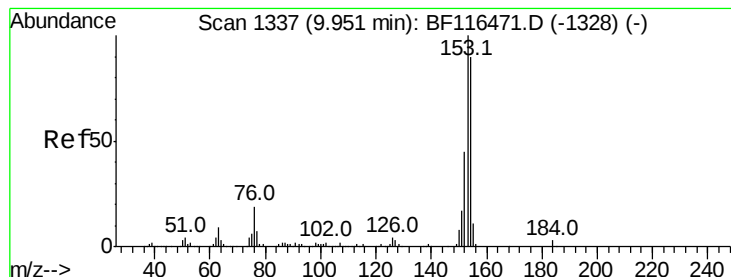


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 114.056 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.04 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampled :

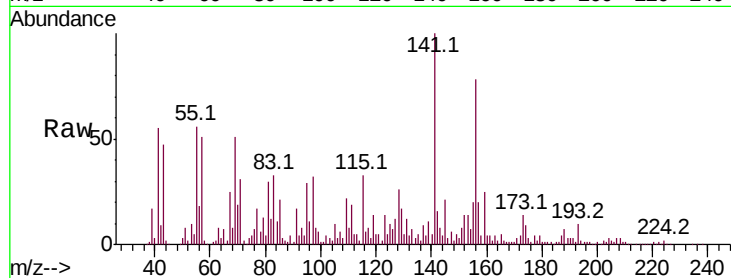
Tot Ion:154 Resp: 94370

Ion Ratio Lower Upper

154 100

153 204.1 89.3 133.9#

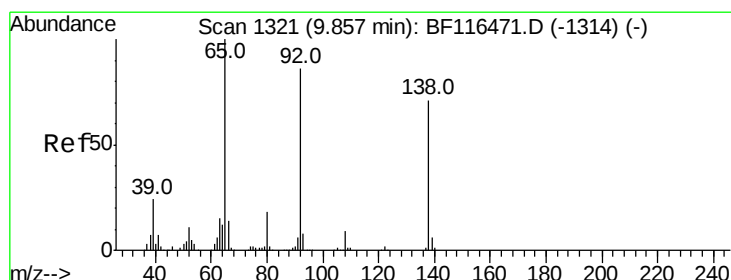
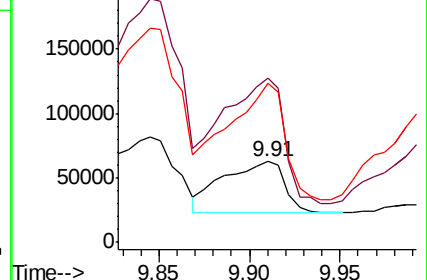
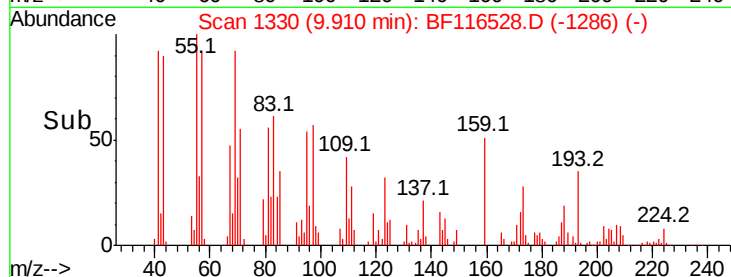
152 197.0 40.2 60.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 16.253 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

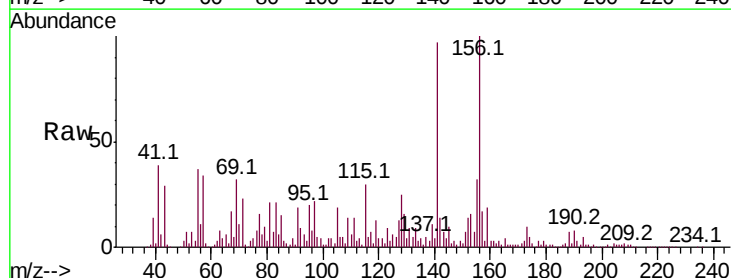
Tgt Ion:138 Resp: 3934

Ion Ratio Lower Upper

138 100

108 82.0 10.0 15.0#

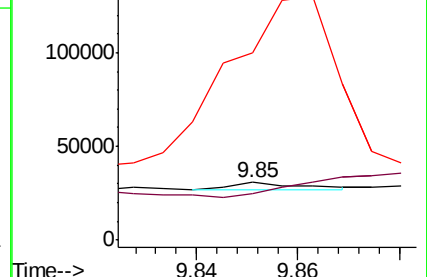
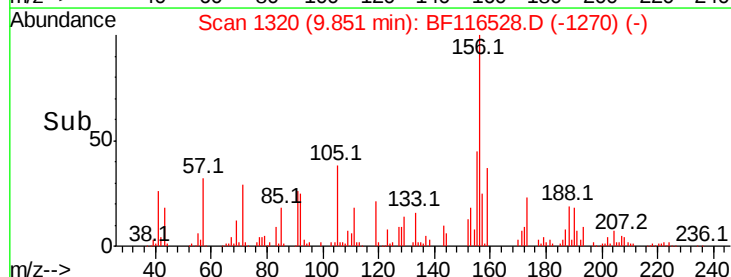
92 325.1 97.7 146.5#

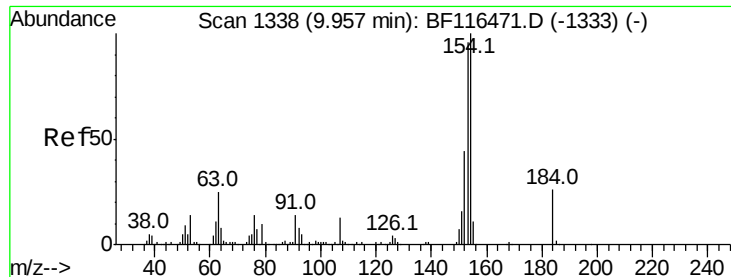


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

2,4-Dinitrophenol

Concen: 30.320 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.02 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampled :

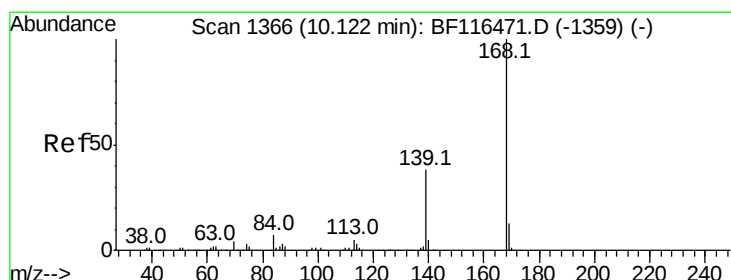
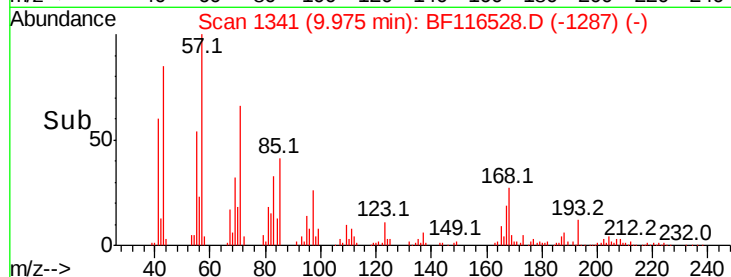
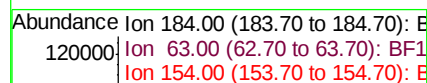
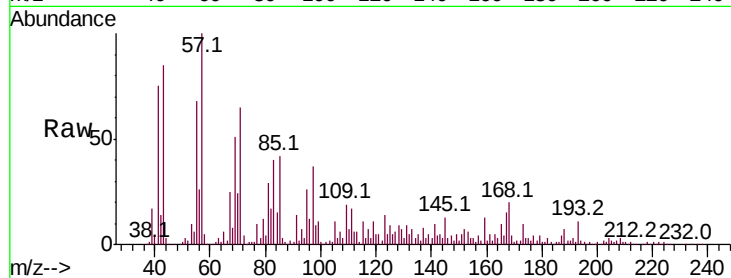
Tot Ion:184 Resp: 1946

Ion Ratio Lower Upper

184 100

63 1032.0 78.2 117.4#

154 1131.4 320.4 480.6#



#55

Dibenzofuran

Concen: 308.821 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.05 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

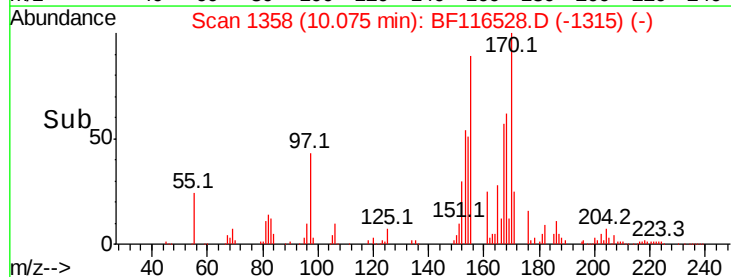
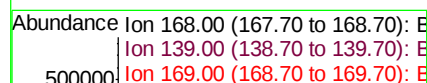
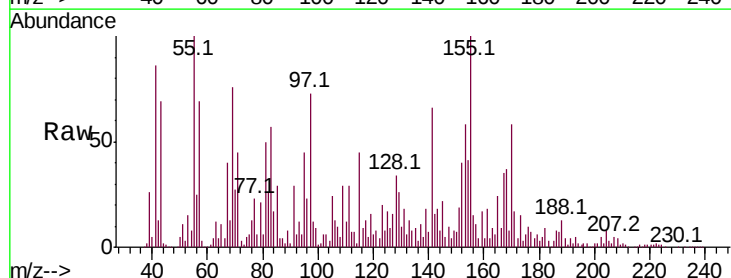
Tgt Ion:168 Resp: 356182

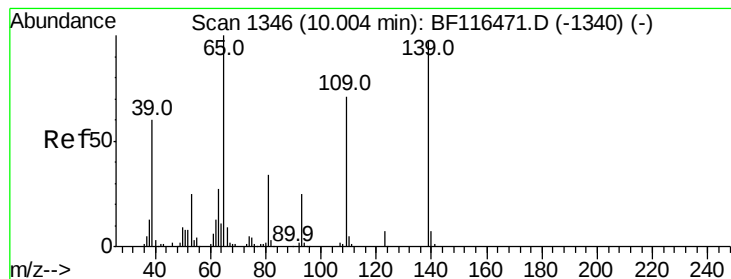
Ion Ratio Lower Upper

168 100

139 48.1 30.7 46.1#

169 22.0 10.7 16.1#





#56

4-Nitrophenol

Concen: 1648.293 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.06 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampled :

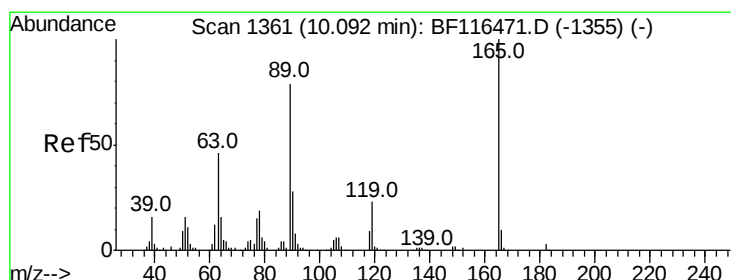
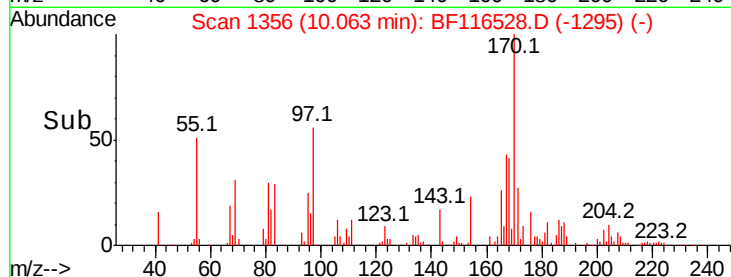
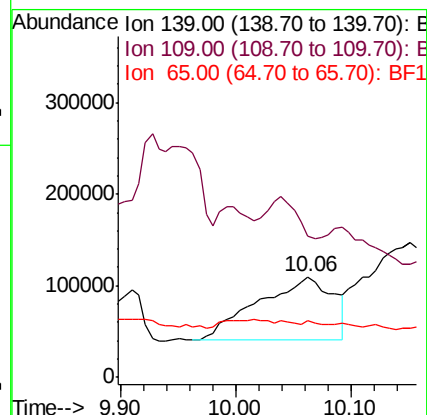
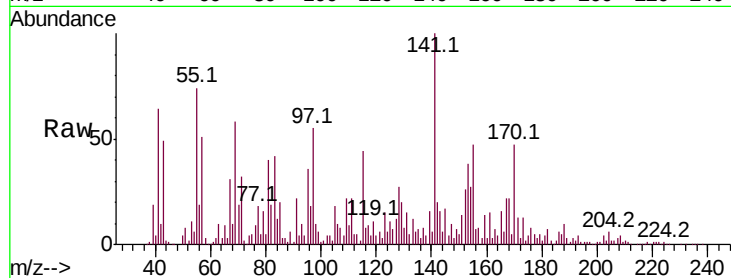
Tot Ion:139 Resp: 310100

Ion Ratio Lower Upper

139 100

109 140.9 53.4 93.4#

65 56.1 83.0 123.0#



#57

2,4-Dinitrotoluene

Concen: 526.284 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.02 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Tgt Ion:165 Resp: 135985

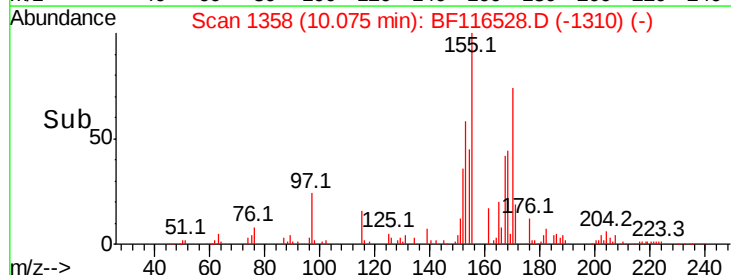
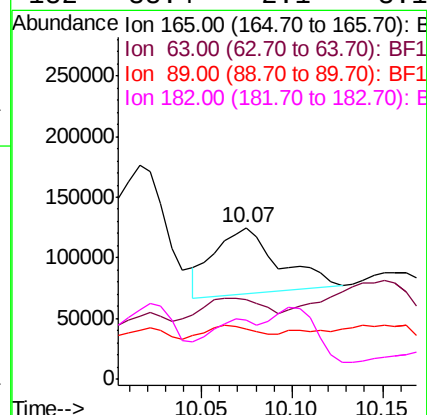
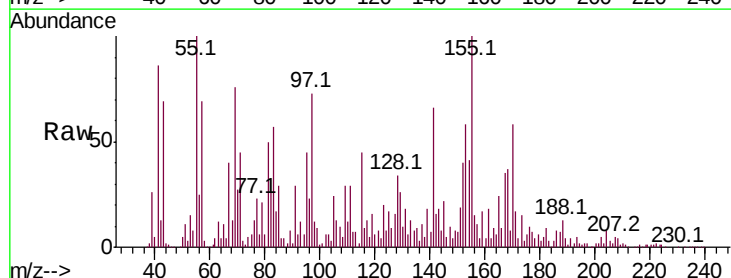
Ion Ratio Lower Upper

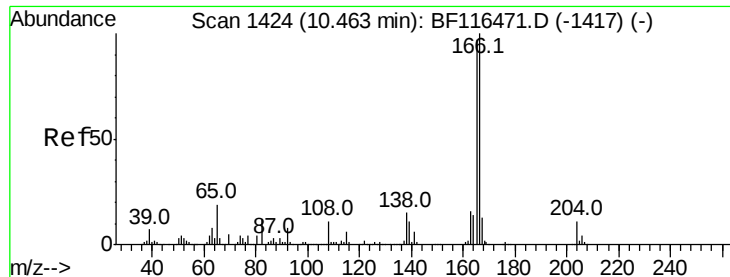
165 100

63 52.5 36.9 55.3

89 33.0 63.4 95.0#

182 38.4 2.1 3.1#





#58

Fluorene

Concen: 1318.402 ng

RT: 10.58 min Scan# 1444

Delta R.T. 0.12 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampleId :

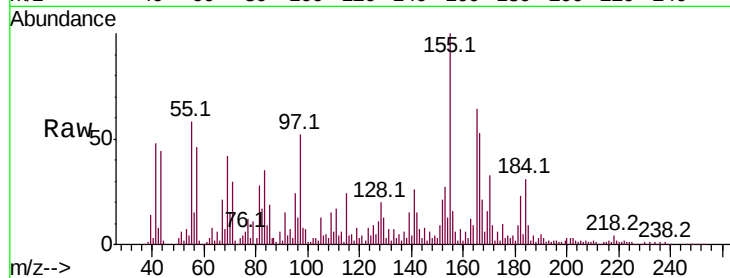
Tot Ion:166 Resp: 1181404

Ion Ratio Lower Upper

166 100

165 119.2 77.4 116.0#

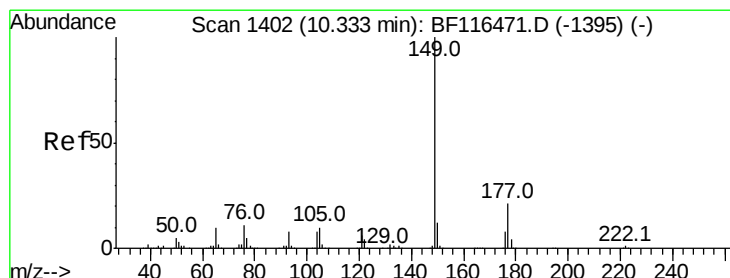
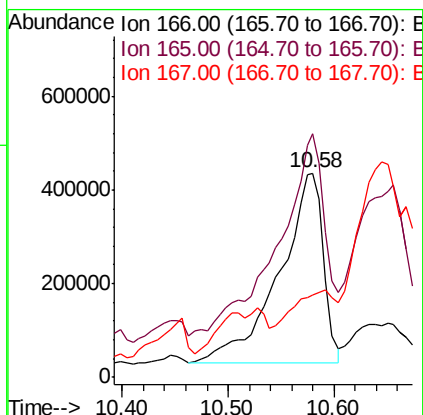
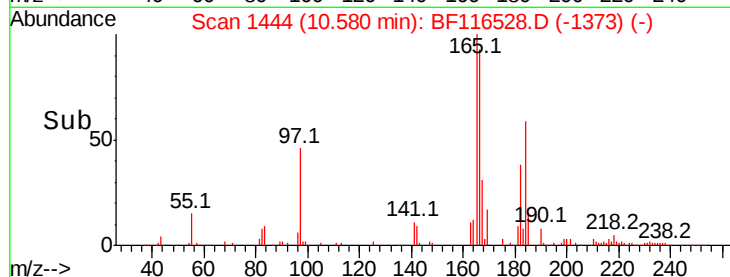
167 40.2 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 47.067 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.02 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

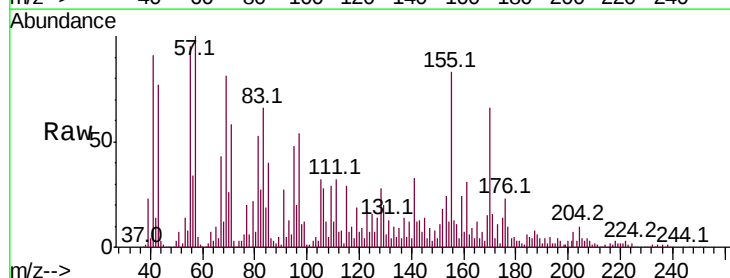
Tgt Ion:149 Resp: 45894

Ion Ratio Lower Upper

149 100

177 132.5 17.1 25.7#

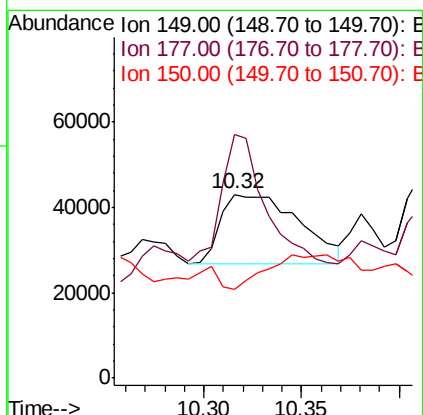
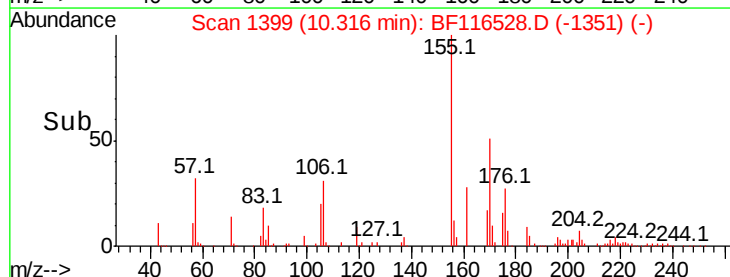
150 48.0 9.8 14.6#

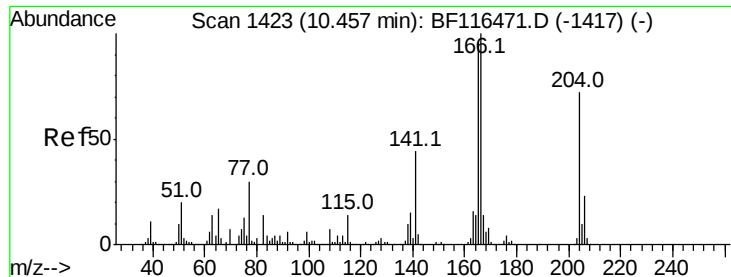


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

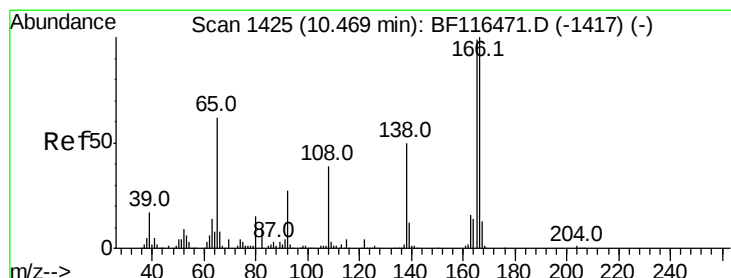
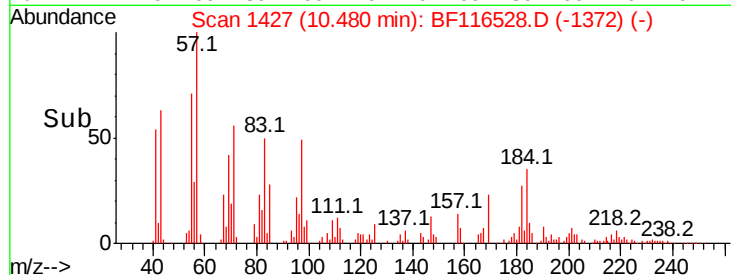
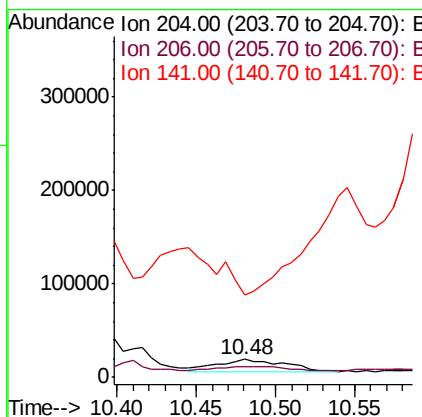
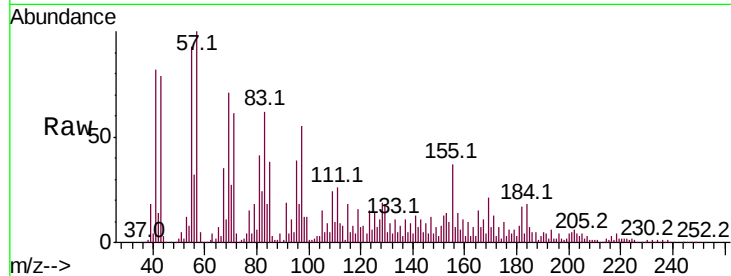




#61
 4-Chlorophenyl-phenylether
 Concen: 86.081 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.02 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

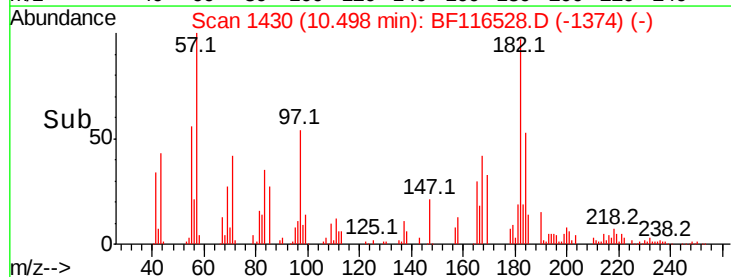
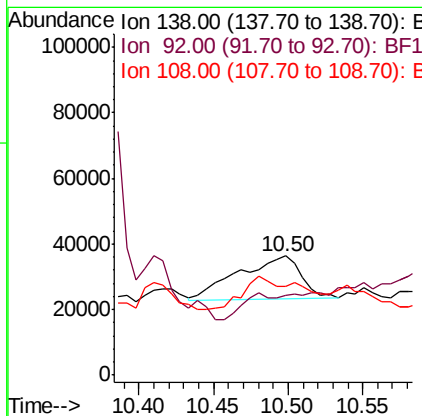
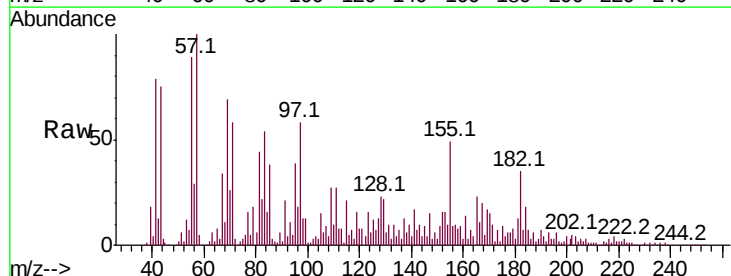
Instrument :
 BNA_F
 ClientSampled :

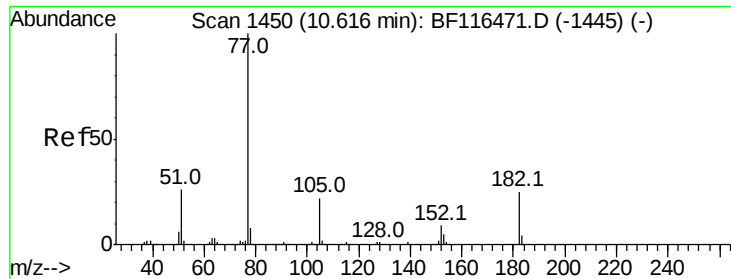
Tot Ion:204 Resp: 37631
 Ion Ratio Lower Upper
 204 100
 206 61.5 25.9 38.9#
 141 461.1 48.6 73.0#



#62
 4-Nitroaniline
 Concen: 165.749 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. 0.03 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Tgt Ion:138 Resp: 39238
 Ion Ratio Lower Upper
 138 100
 92 66.7 34.9 74.9
 108 74.4 57.7 97.7





#63

Azobenzene

Concen: 7.101 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.04 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 7119

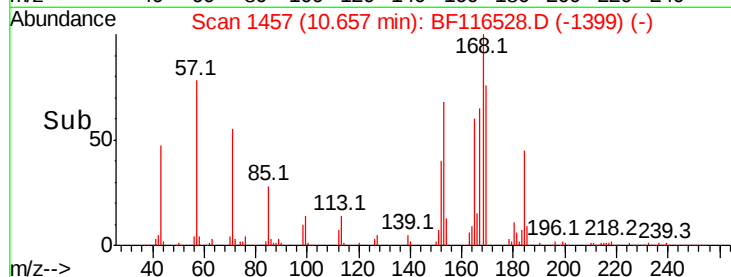
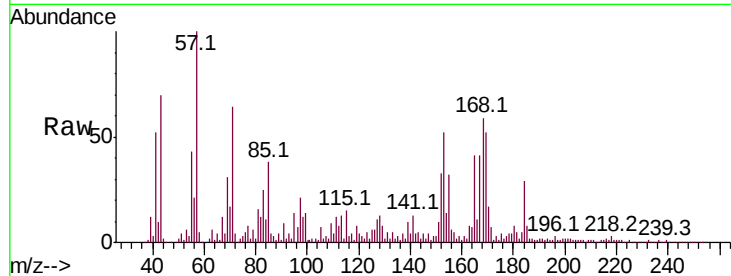
Ion Ratio Lower Upper

77 100

182 30.4 5.4 45.4

105 81.0 1.6 41.6#

51 51.5 6.2 46.2#

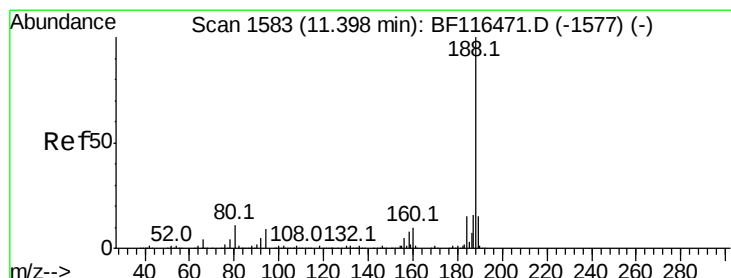
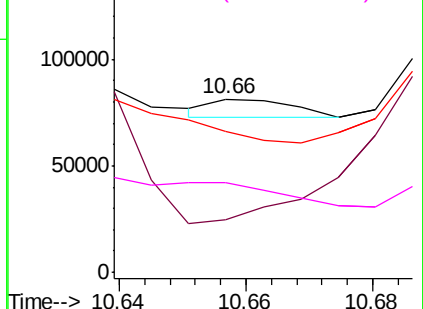


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.08 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

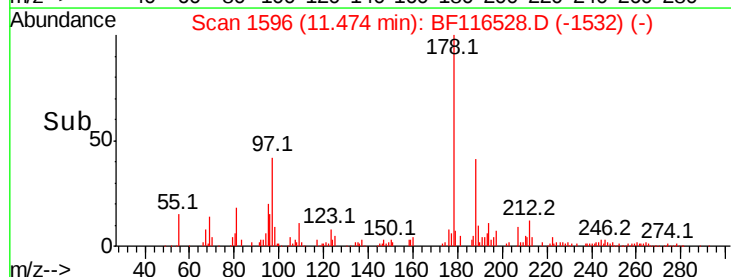
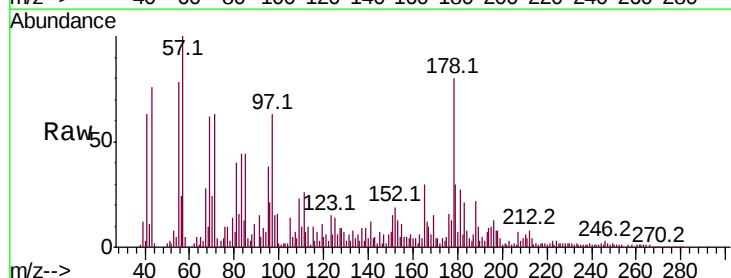
Tgt Ion: 188 Resp: 222921

Ion Ratio Lower Upper

188 100

94 29.7 7.4 11.2#

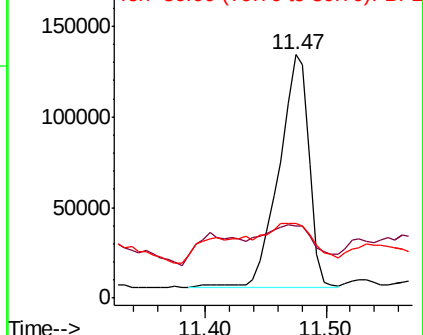
80 30.9 8.6 12.8#

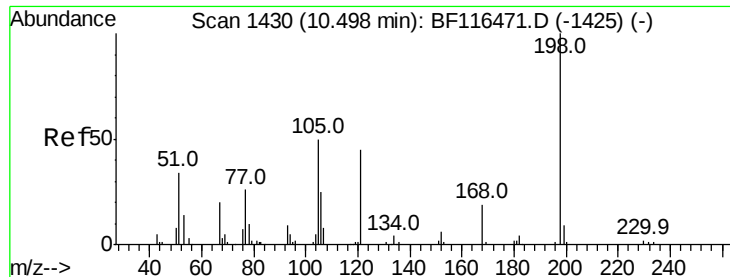


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

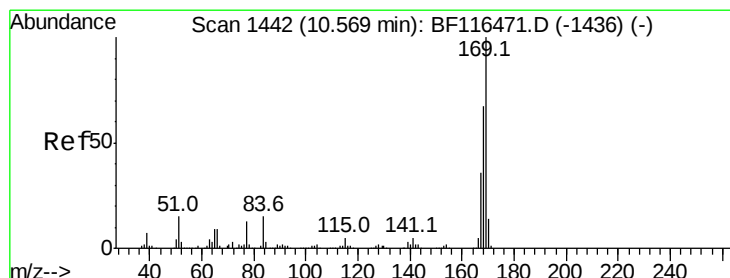
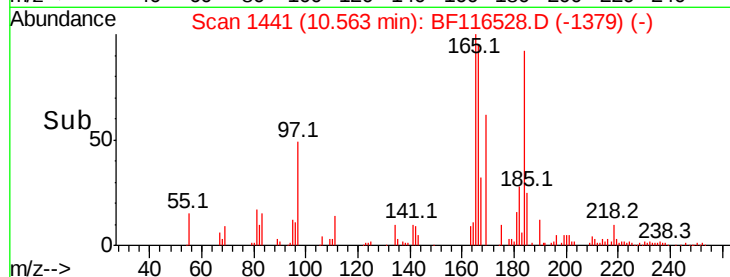
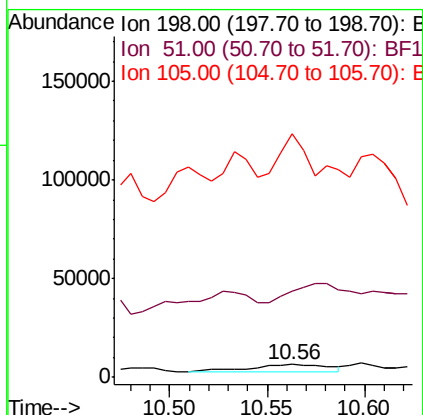
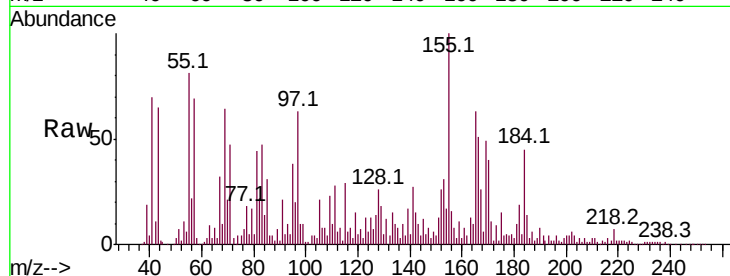




#65
4,6-Dinitro-2-methylphenol
Concen: 16.114 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.06 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

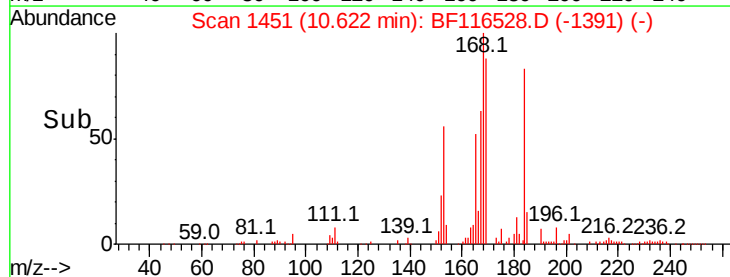
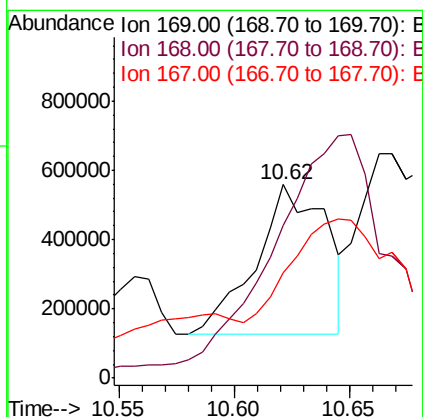
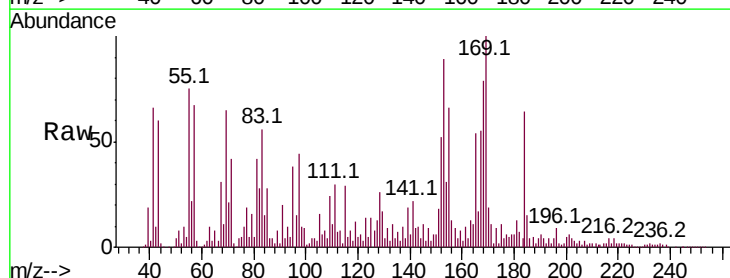
Instrument :
BNA_F
ClientSampleId :

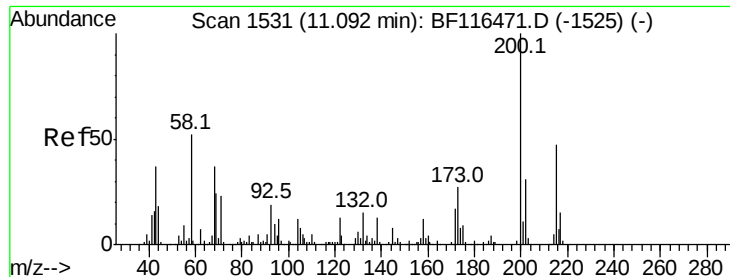
Tot Ion:198 Resp: 9749
Ion Ratio Lower Upper
198 100
51 675.7 30.4 70.4#
105 1907.5 32.8 72.8#



#66
n-Nitrosodiphenylamine
Concen: 126.398 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.05 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion:169 Resp: 912355
Ion Ratio Lower Upper
169 100
168 78.9 53.6 80.4
167 54.6 28.7 43.1#

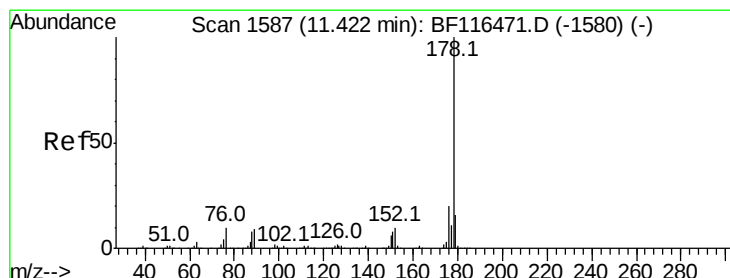
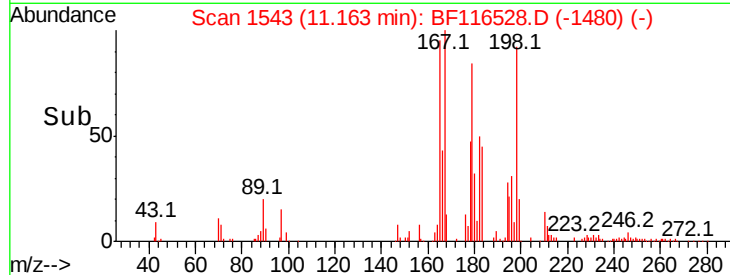
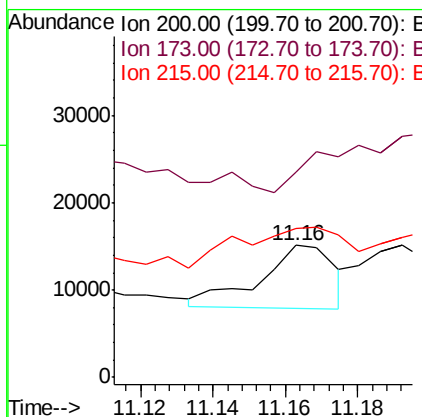
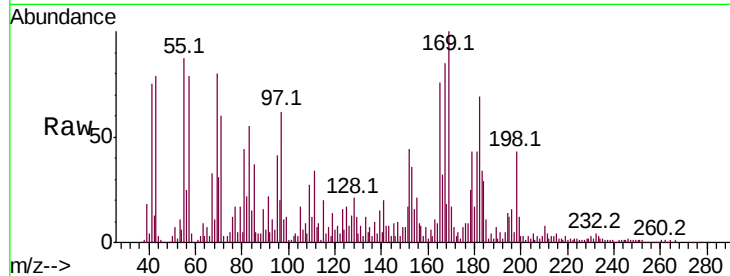




#69
 Atrazine
 Concen: 4.814 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. 0.07 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

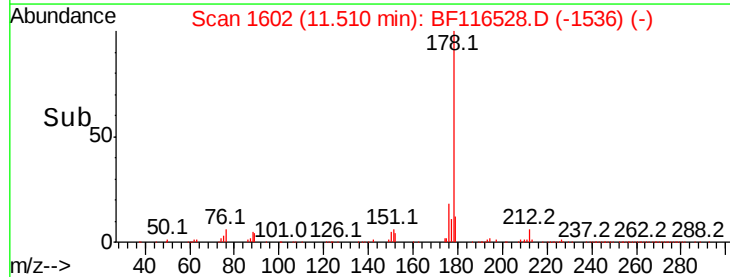
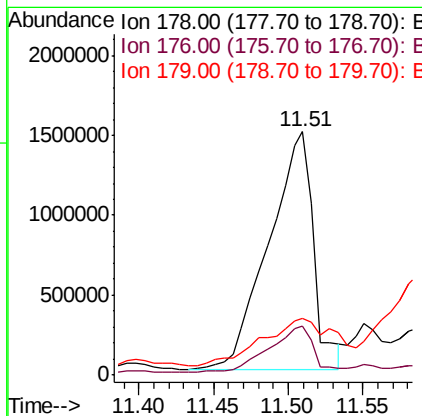
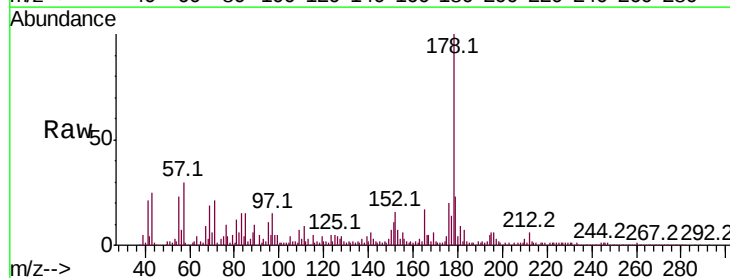
Instrument :
 BNA_F
 ClientSampled :

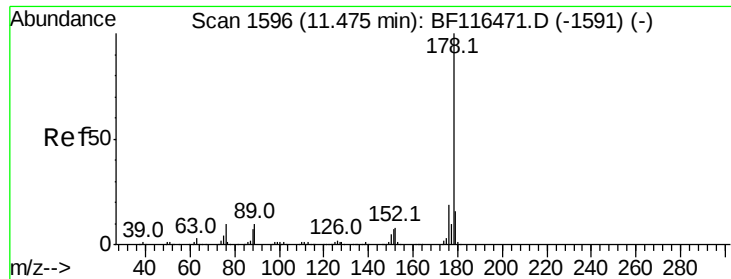
Tot Ion	Ratio	Lower	Upper
200	100		
173	155.3	7.3	47.3#
215	112.9	26.7	66.7#



#71
 Phenanthrene
 Concen: 255.051 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.09 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.6
179	23.3	12.8	19.2#

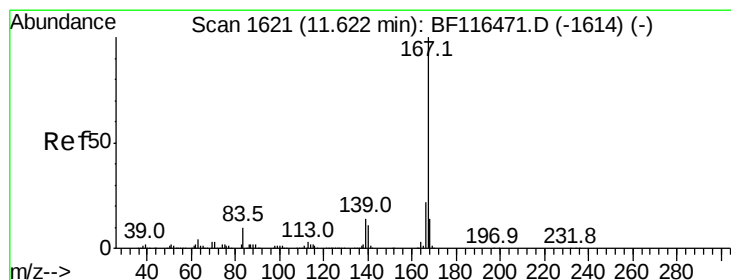
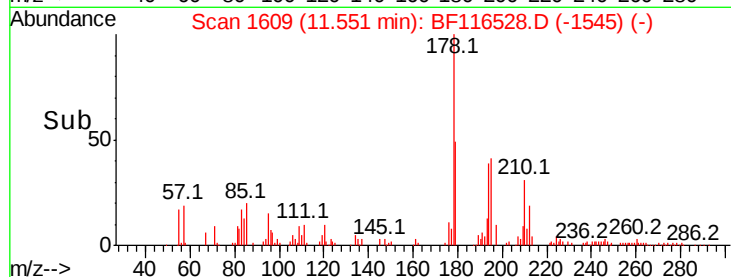
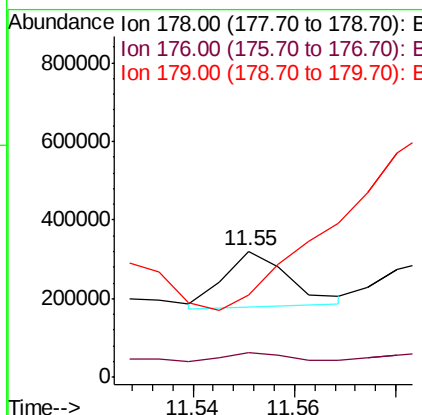
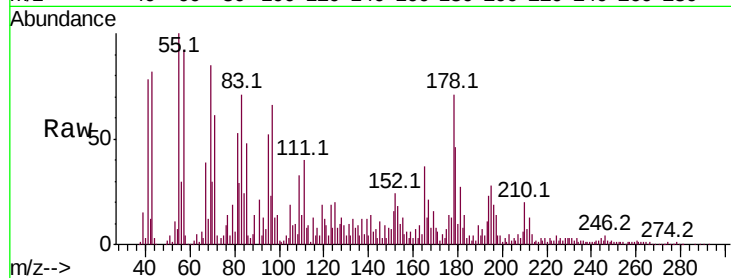




#72
 Anthracene
 Concen: 10.363 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.08 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

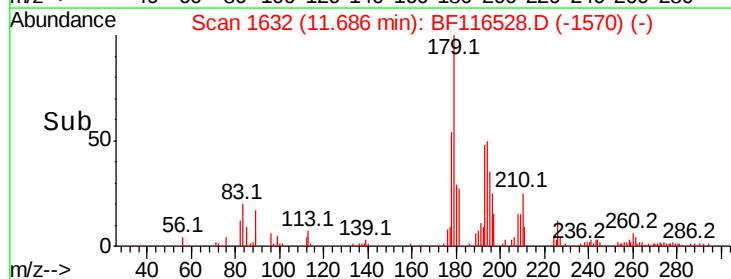
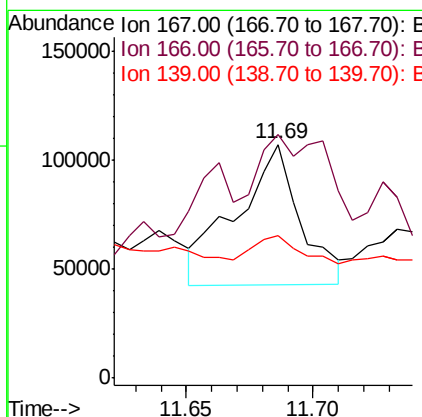
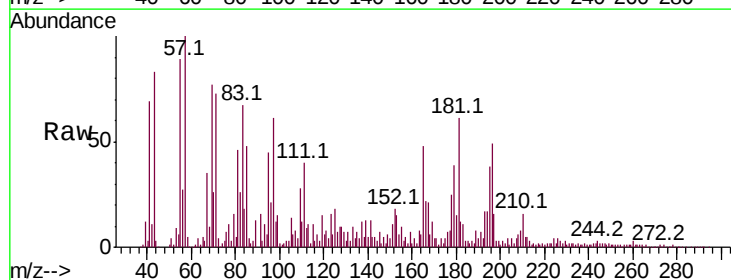
Instrument :
 BNA_F
 ClientSampleId :

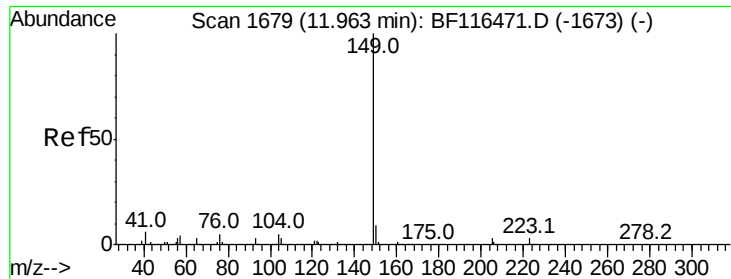
Tot Ion:178 Resp: 126454
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.2 22.8
 179 65.0 12.5 18.7#



#73
 Carbazole
 Concen: 10.320 ng
 RT: 11.69 min Scan# 1632
 Delta R.T. 0.06 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Tgt Ion:167 Resp: 113035
 Ion Ratio Lower Upper
 167 100
 166 104.0 17.8 26.6#
 139 61.0 10.9 16.3#





#74

Di-n-butylphthalate

Concen: 3.072 ng

RT: 12.02 min Scan# 1688

Delta R.T. 0.05 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampleId :

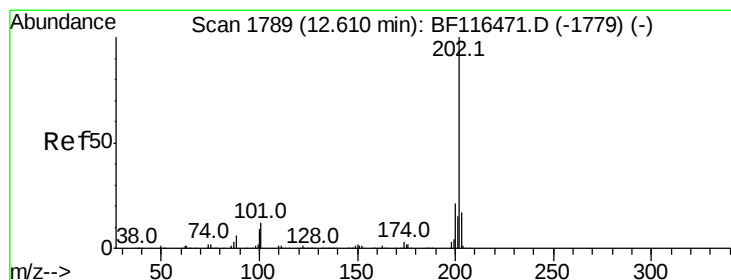
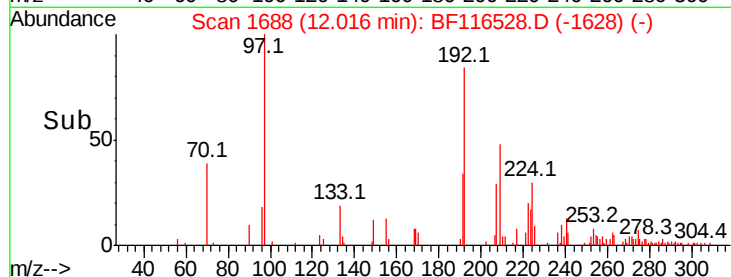
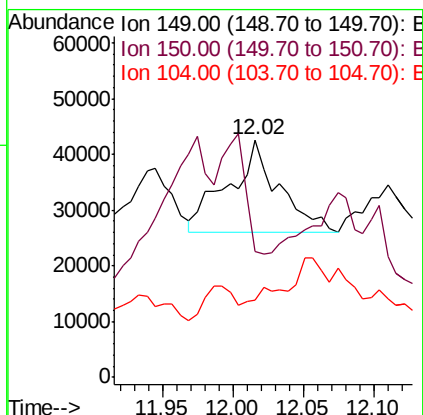
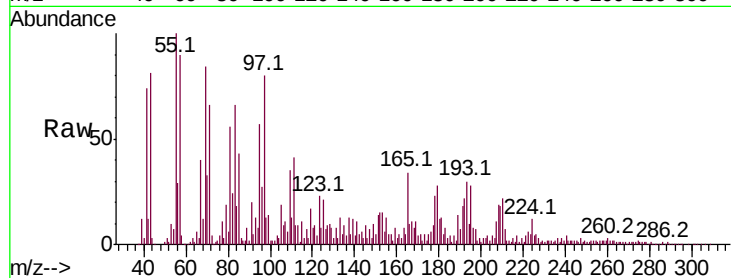
Tot Ion:149 Resp: 41701

Ion Ratio Lower Upper

149 100

150 52.9 7.5 11.3#

104 32.5 4.1 6.1#



#75

Fluoranthene

Concen: 11.625 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.05 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

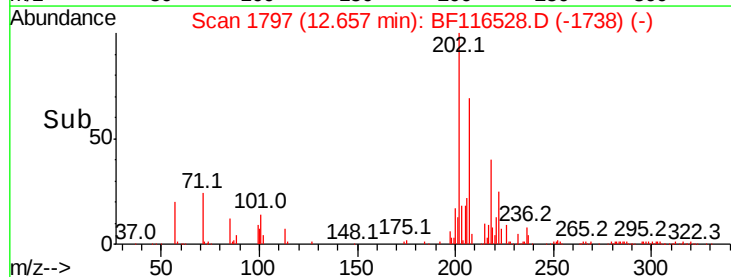
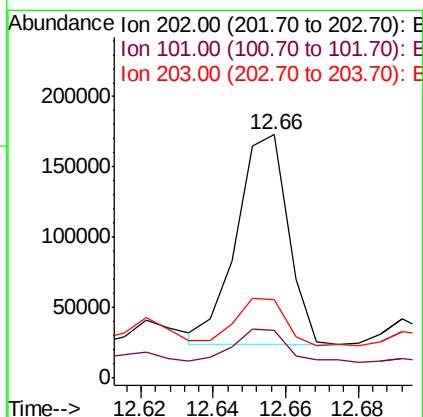
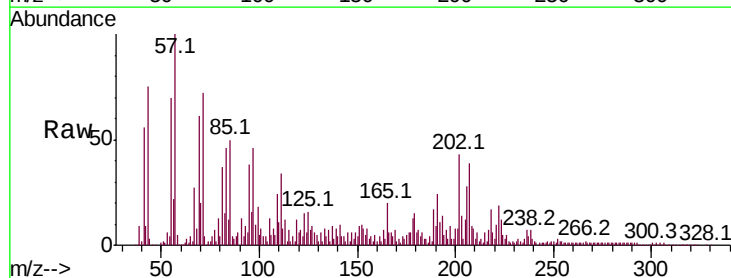
Tgt Ion:202 Resp: 145956

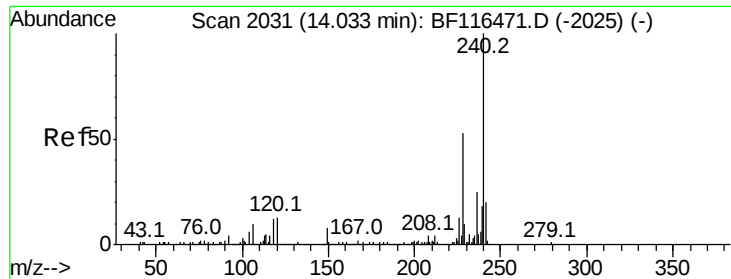
Ion Ratio Lower Upper

202 100

101 19.5 0.0 31.5

203 32.1 0.0 37.5

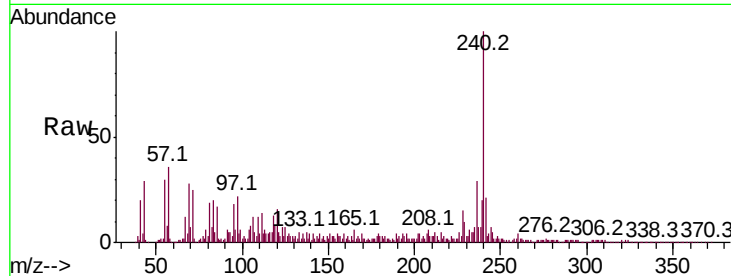




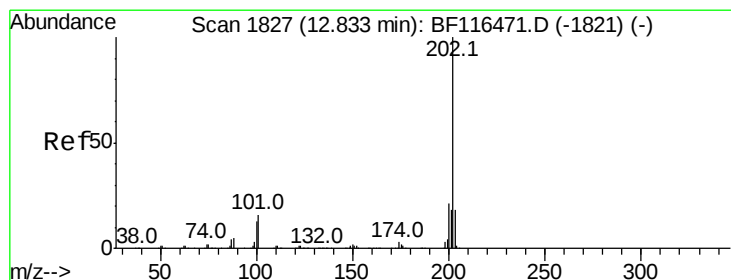
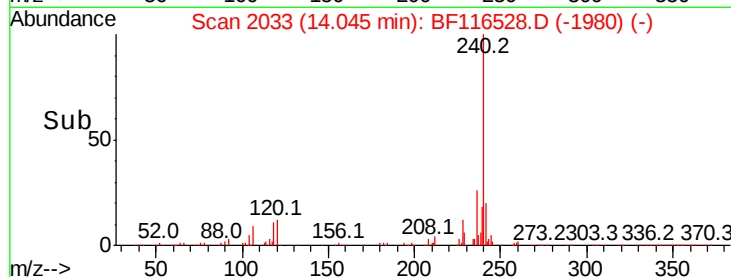
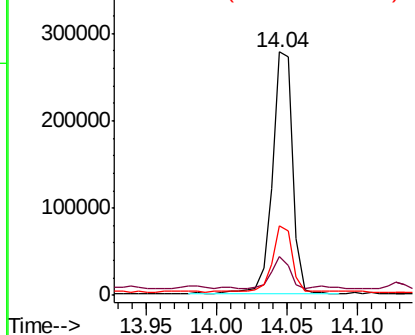
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.0	10.5	15.7#
236	28.5	20.2	30.2

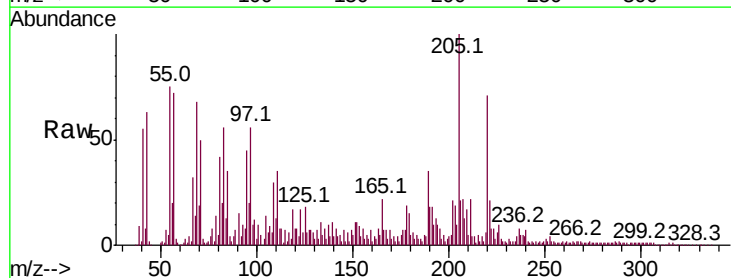


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

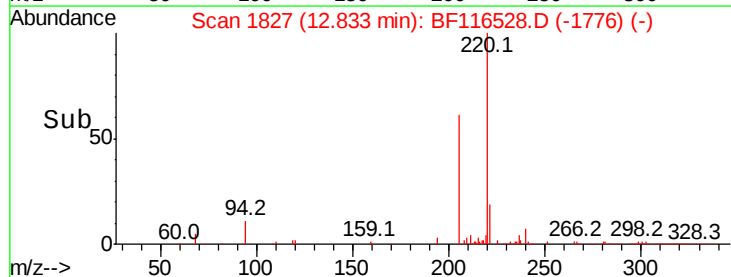
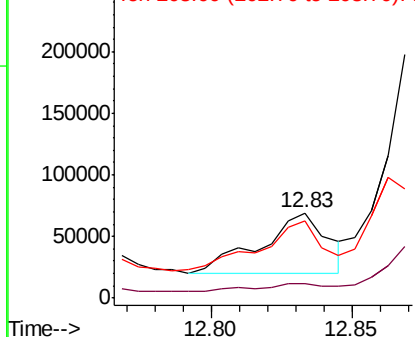


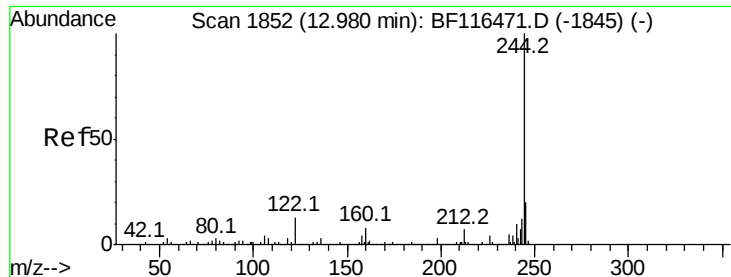
#78
 Pyrene
 Concen: 3.610 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF116528.D
 Acq: 25 Aug 2019 13:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	17.6	17.0	25.4
203	90.2	14.2	21.4#



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: 46.850 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.03 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

Instrument :

BNA_F

ClientSampled :

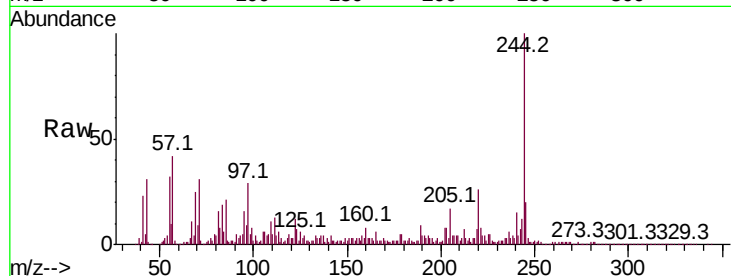
Tot Ion:244 Resp: 694317

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

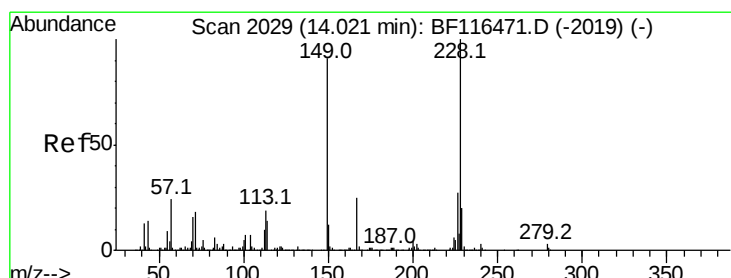
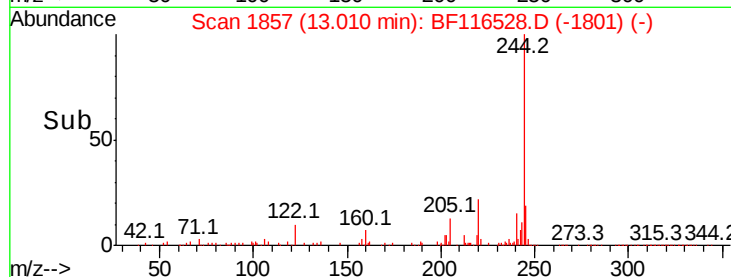
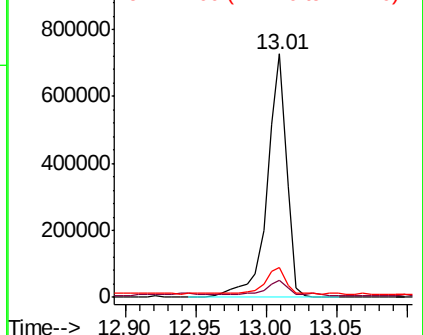
122 12.0 10.2 15.4



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



#81

Benzo(a)anthracene

Concen: 4.955 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF116528.D

Acq: 25 Aug 2019 13:32

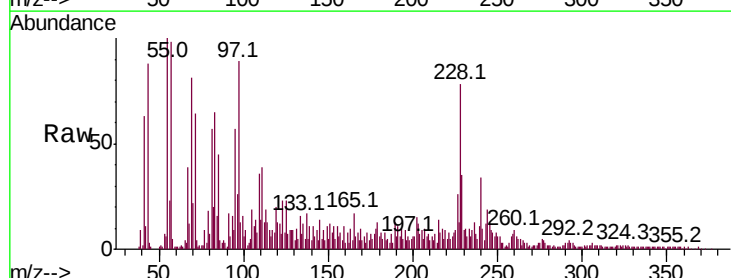
Tgt Ion:228 Resp: 88838

Ion Ratio Lower Upper

228 100

226 33.8 21.8 32.6#

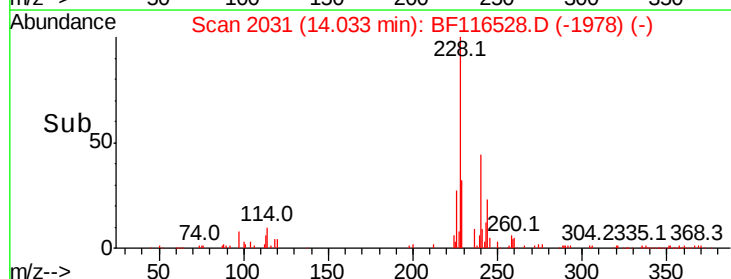
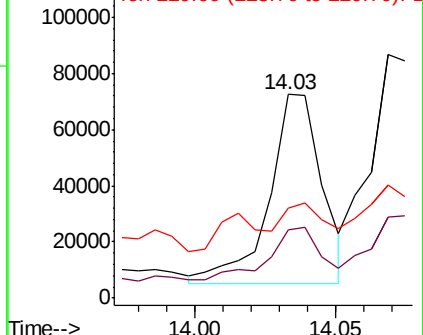
229 44.5 15.9 23.9#

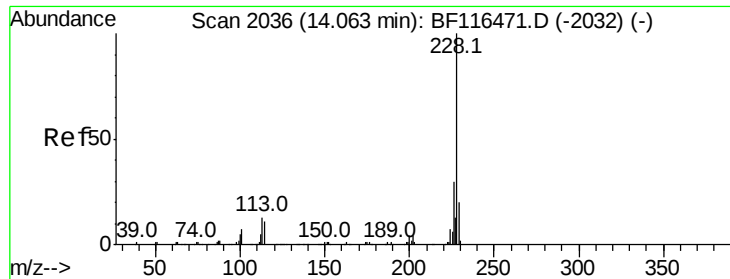


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

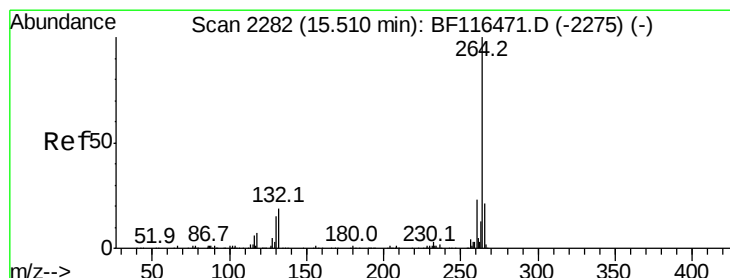
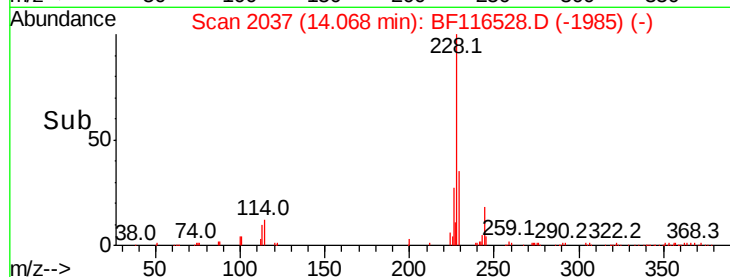
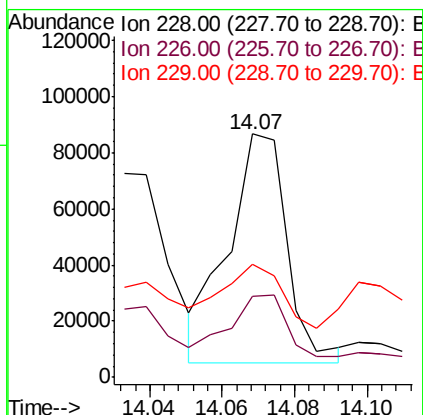
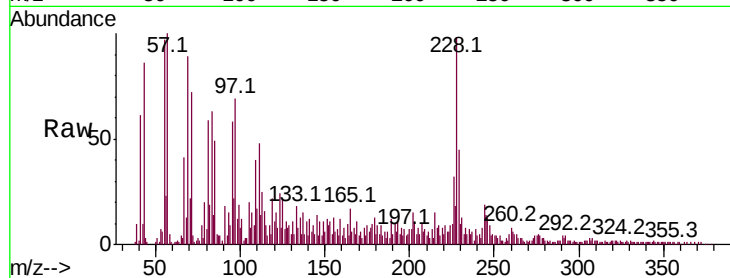




#83
Chrysene
Concen: 5.061 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Instrument :
BNA_F
ClientSampleID :

Tot Ion:228 Resp: 91972
Ion Ratio Lower Upper
228 100
226 33.1 24.2 36.2
229 46.3 15.8 23.6#



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF116528.D
Acq: 25 Aug 2019 13:32

Tgt Ion:264 Resp: 343685
Ion Ratio Lower Upper
264 100
260 24.2 18.8 28.2
265 22.9 17.1 25.7

