

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
 Data File : BF111373.D
 Acq On : 13 Dec 2018 16:51
 Operator : JU/SJ
 Sample : J6214-29RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(12.5-14.5)RE

Quant Time: Dec 13 20:44:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	230982	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	802019	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	319271	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	473440	20.00	ng	0.00
76) Chrysene-d12	13.99	240	181223	20.00	ng	0.04
87) Perylene-d12	15.47	264	181031	20.00	ng	0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1660568	121.57	ng	0.00
7) Phenol-d6	6.43	99	2133440	115.84	ng	0.00
23) Nitrobenzene-d5	7.36	82	1251352	87.94	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	309731	110.05	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1763332	88.67	ng	0.00
79) Terphenyl-d14	12.92	244	814446	98.91	ng	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	49567	3.275	ng	# 1
10) Phenol	6.45	94	160244	7.681	ng	92
18) Hexachloroethane	7.33	117	218831	32.037	ng	# 1
22) Acetophenone	7.19	105	406917	21.842	ng	# 44
25) Isophorone	7.70	82	54684	2.262	ng	# 65
31) Naphthalene	8.10	128	185494	4.964	ng	# 85
35) Caprolactam	8.51	113	21369	5.346	ng	# 1
37) 2-Methylnaphthalene	8.89	142	878262	36.359	ng	97
38) 1-Methylnaphthalene	8.89	142	878262	37.672	ng	99
46) 1,1'-Biphenyl	9.25	154	145730	5.350	ng	95
49) Acenaphthylene	9.69	152	108033	3.544	ng	# 91
50) Dimethylphthalate	9.55	163	206366	8.988	ng	# 96
52) Acenaphthene	9.86	154	95216	4.953	ng	94
55) Dibenzofuran	10.03	168	237786	8.568	ng	# 95
56) 4-Nitrophenol	9.93	139	9831	2.232	ng	# 17
57) 2,4-Dinitrotoluene	10.00	165	14576	2.235	ng	# 56
58) Fluorene	10.37	166	239646	12.071	ng	# 98
71) Phenanthrene	11.34	178	899845	36.772	ng	95
72) Anthracene	11.39	178	295736	11.869	ng	95
73) Carbazole	11.54	167	53611	2.081	ng	# 65
74) Di-n-butylphthalate	11.89	149	90052	3.070	ng	# 85
75) Fluoranthene	12.55	202	569781	23.851	ng	97
78) Pyrene	12.77	202	661661	47.308	ng	96
80) Butylbenzylphthalate	13.40	149	124835	18.590	ng	# 80
81) Benzo(a)anthracene	13.98	228	195256	19.257	ng	# 93
83) Chrysene	14.02	228	167980	16.238	ng	# 87
84) Bis(2-ethylhexyl)phthalate	13.97	149	155105	18.894	ng	# 86
86) Indeno(1,2,3-cd)pyrene	16.90	276	92446	11.426	ng	96
88) Benzo(b)fluoranthene	15.04	252	202964	19.717	ng	# 1
89) Benzo(k)fluoranthene	15.04	252	202964	19.753	ng	# 1
90) Benzo(a)pyrene	15.40	252	151337	15.789	ng	# 1
91) Dibenzo(a,h)anthracene	16.90	278	27105	3.399	ng	# 1
92) Benzo(g,h,i)perylene	17.33	276	126417	15.856	ng	# 87

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QLast Update : Wed Dec 12 13:16:52 2018
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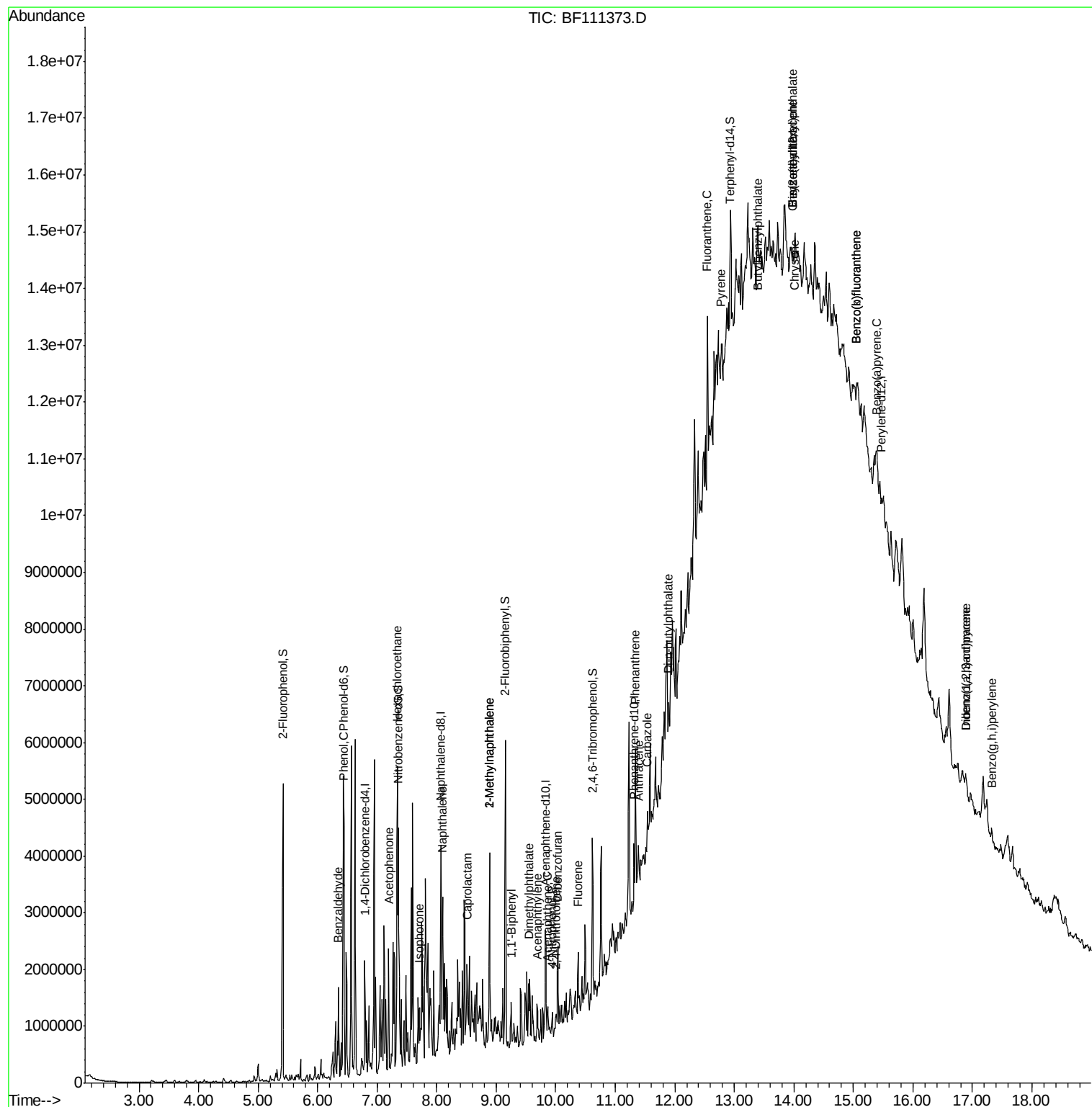
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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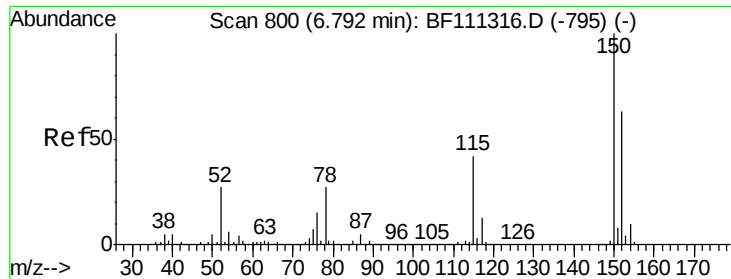
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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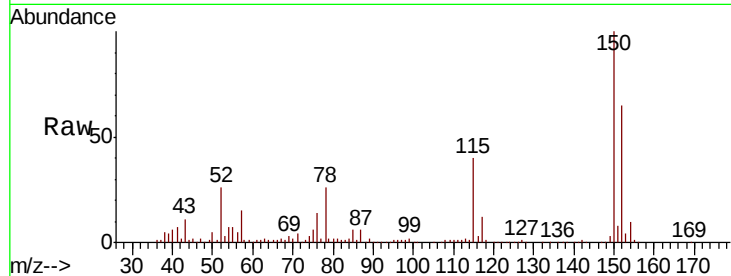




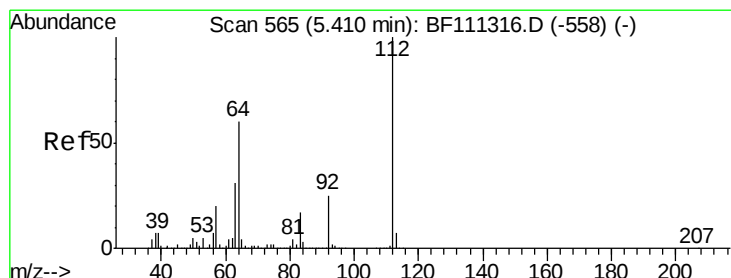
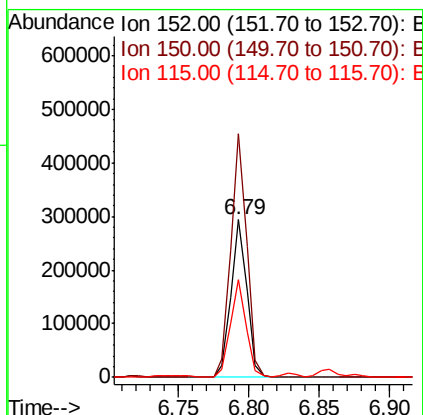
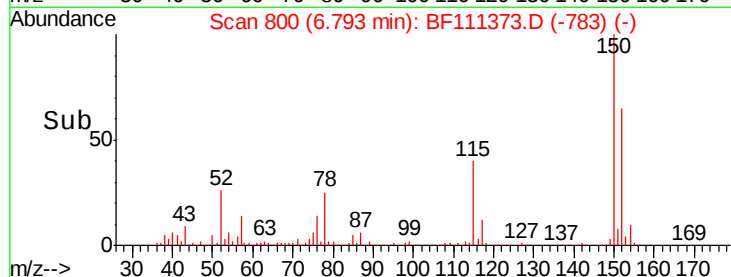
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(12.5-14.5)RE

Tgt Ion:152 Resp: 230982
 Ion Ratio Lower Upper
 152 100
 150 154.7 126.6 189.8
 115 62.2 50.7 76.1

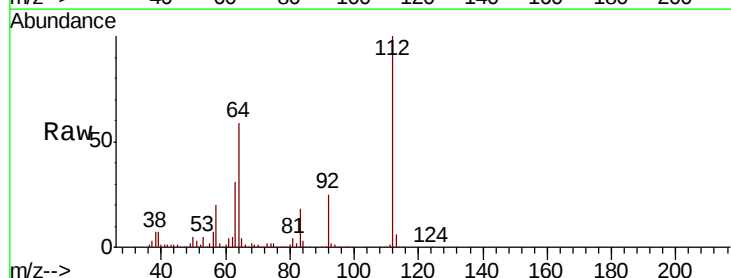


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

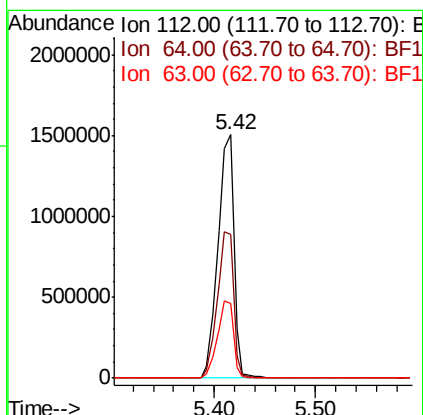
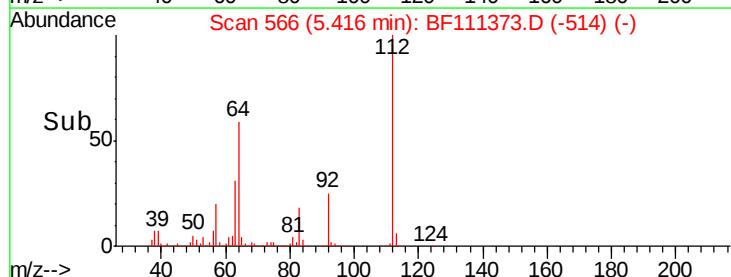


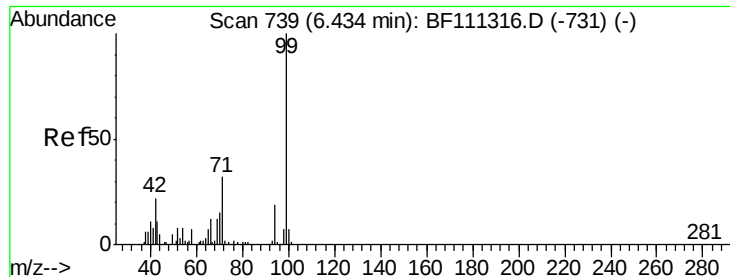
#5
 2-Fluorophenol
 Concen: 121.571 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

Tgt Ion:112 Resp: 1660568
 Ion Ratio Lower Upper
 112 100
 64 59.1 51.8 77.6
 63 30.7 26.8 40.2



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





#7

Phenol-d6

Concen: 115.845 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

Instrument :

BNA_F

ClientSampleId :

SB-2(12.5-14.5)RE

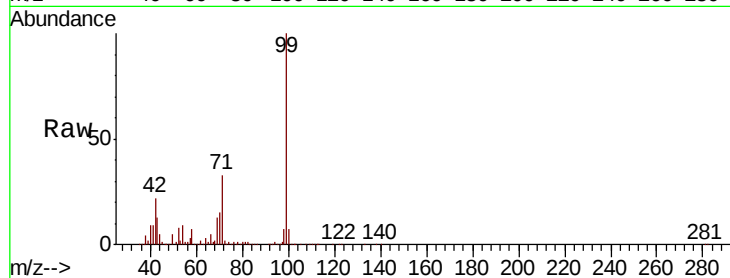
Tgt Ion: 99 Resp: 2133440

Ion Ratio Lower Upper

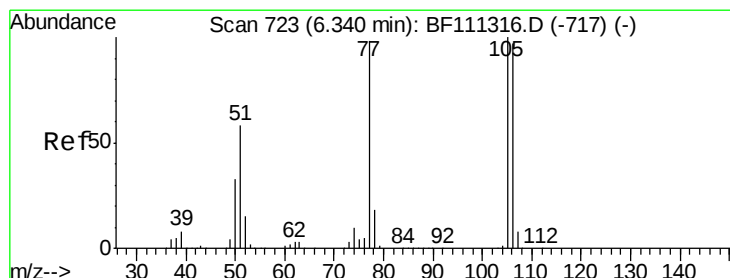
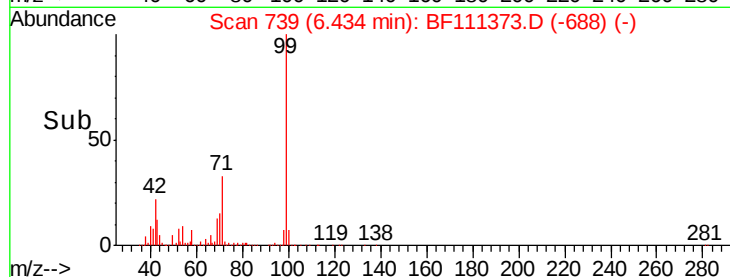
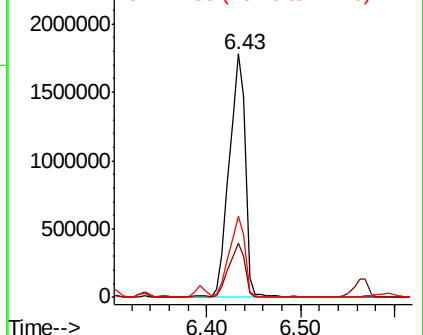
99 100

42 22.2 17.4 26.0

71 33.3 26.1 39.1



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



#9

Benzaldehyde

Concen: 3.275 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

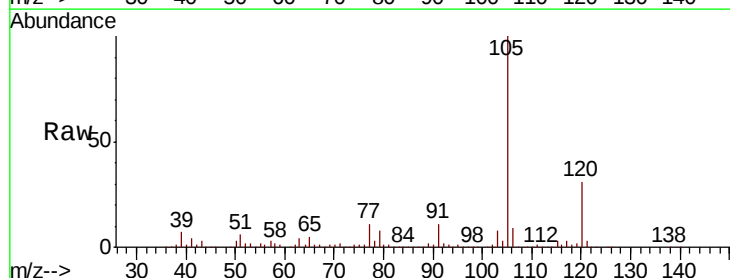
Tgt Ion: 77 Resp: 49567

Ion Ratio Lower Upper

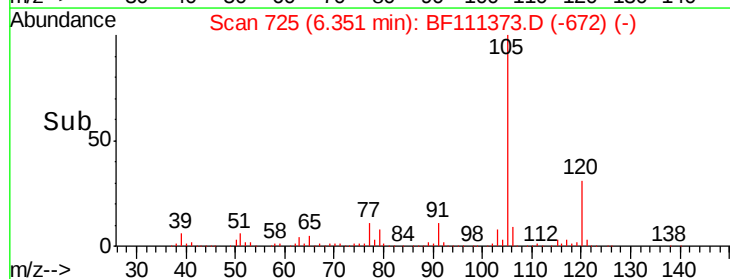
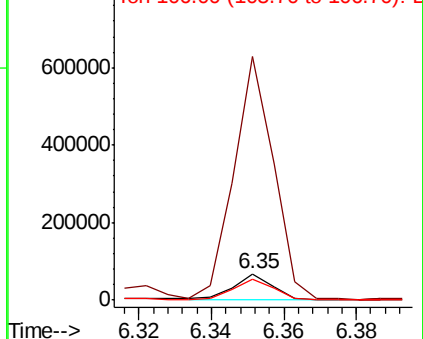
77 100

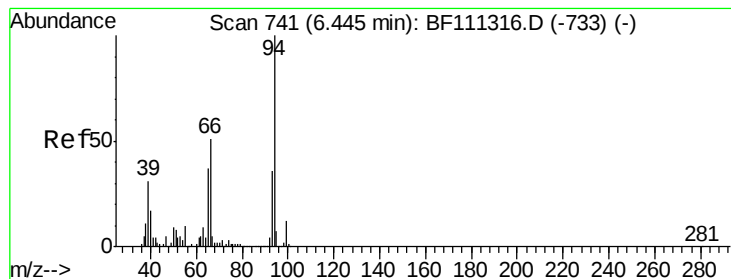
105 935.9 81.4 121.4#

106 82.7 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 7.681 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

Instrument :

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SB-2(12.5-14.5)RE

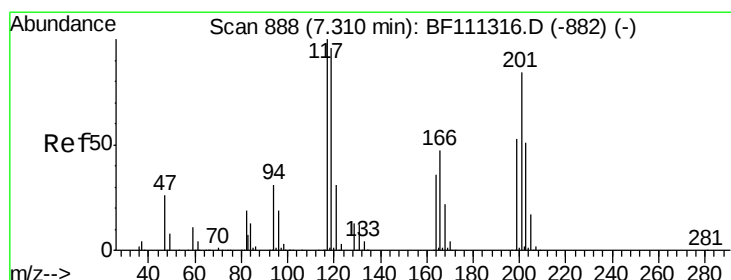
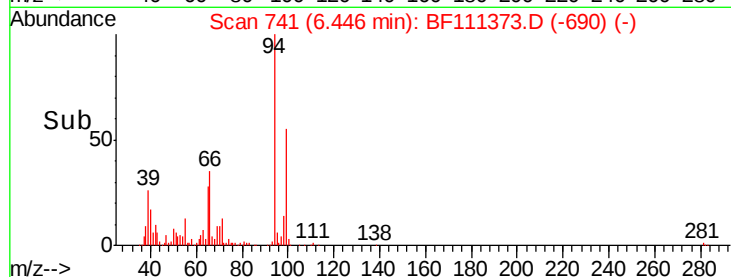
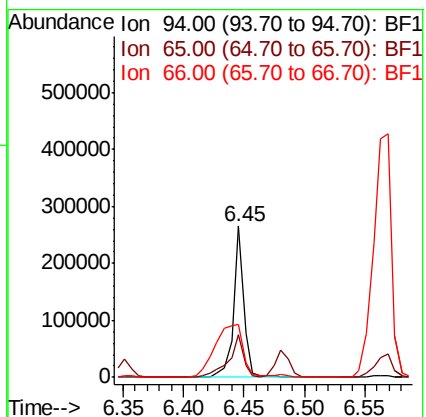
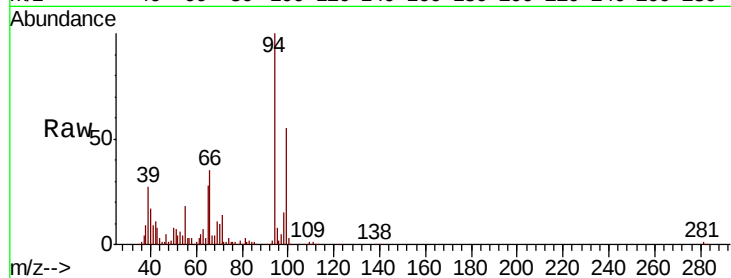
Tgt Ion: 94 Resp: 160244

Ion Ratio Lower Upper

94 100

65 28.2 11.7 51.7

66 35.1 21.0 61.0



#18

Hexachloroethane

Concen: 32.037 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.02 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

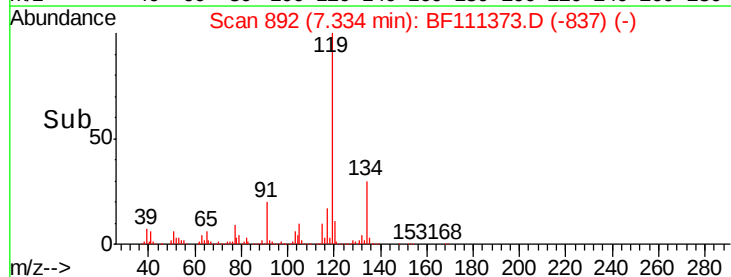
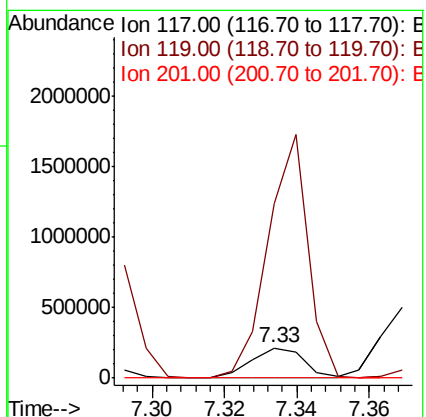
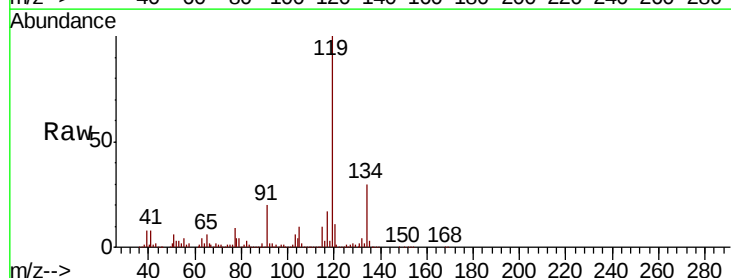
Tgt Ion: 117 Resp: 218831

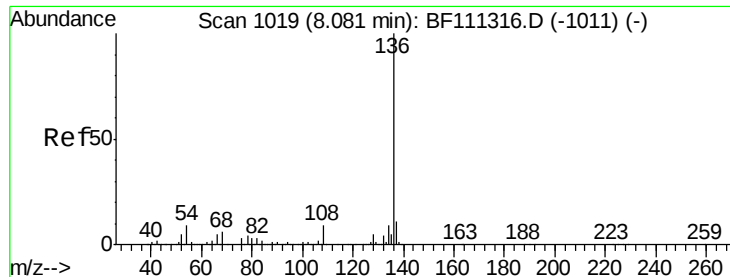
Ion Ratio Lower Upper

117 100

119 581.6 75.4 113.0#

201 0.0 62.4 93.6#

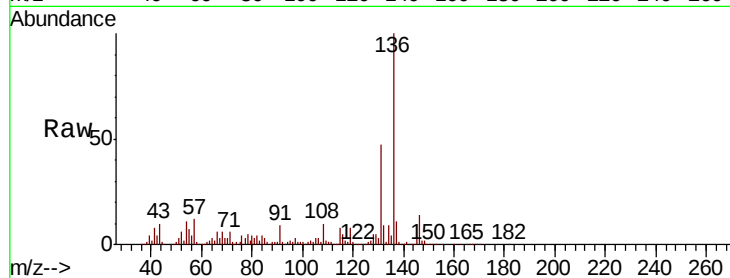




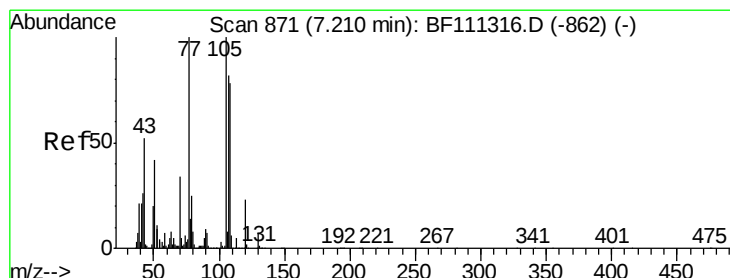
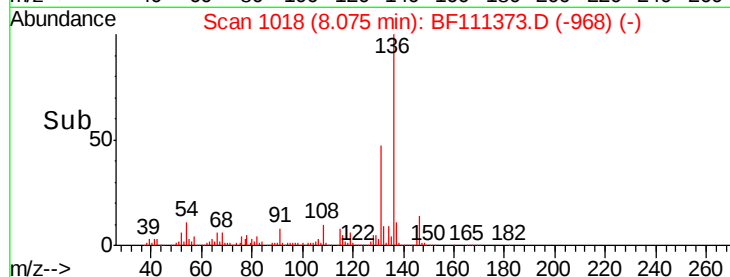
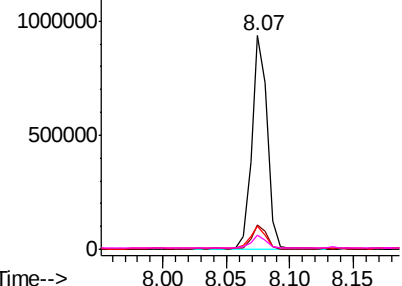
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

Instrument :
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SB-2(12.5-14.5)RE

Tgt Ion:	136	Resp:	802019
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	10.9	7.7	11.5
68	6.5	4.9	7.3

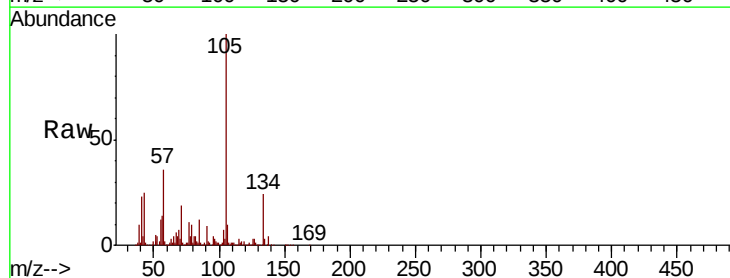


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

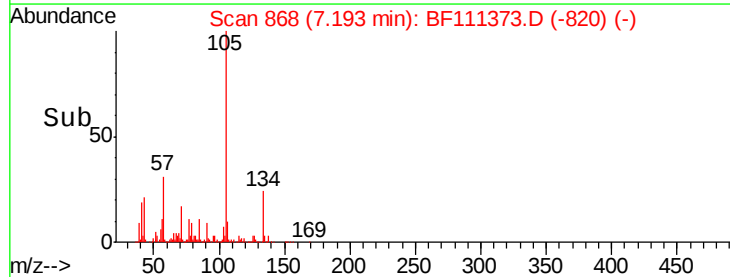
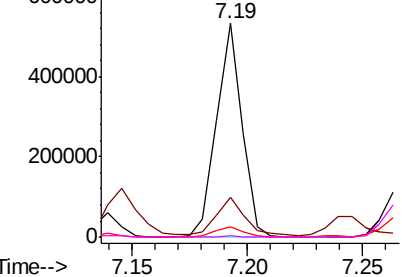


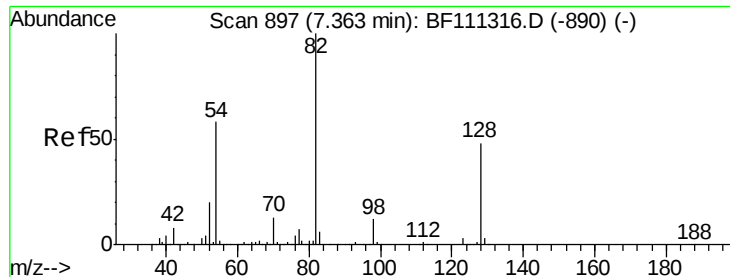
#22
Acetophenone
Concen: 21.842 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

Tgt Ion:	105	Resp:	406917
Ion	Ratio	Lower	Upper
105	100		
71	18.5	3.1	4.7#
51	4.9	36.6	54.8#
120	0.4	18.2	27.4#



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

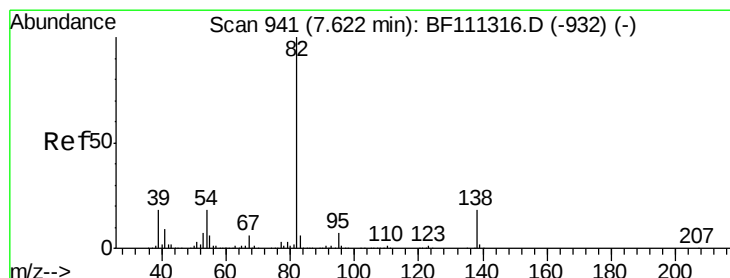
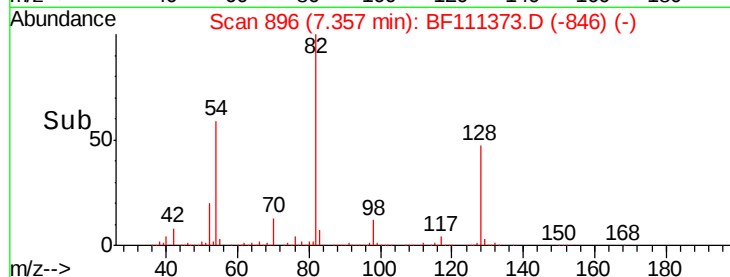
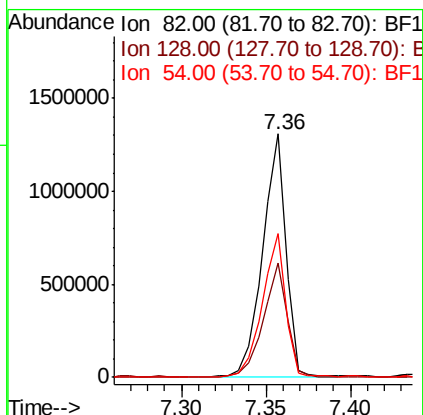
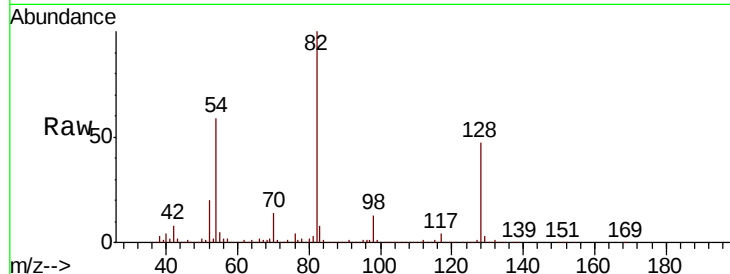




#23
Nitrobenzene-d5
Concen: 87.941 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

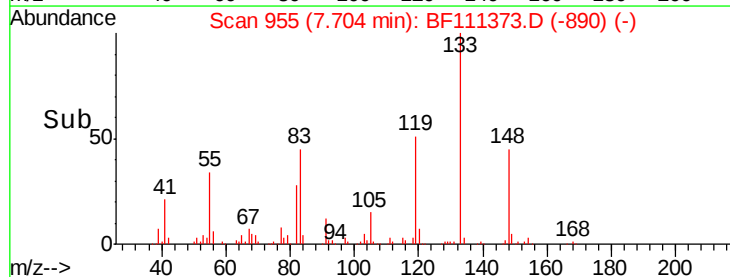
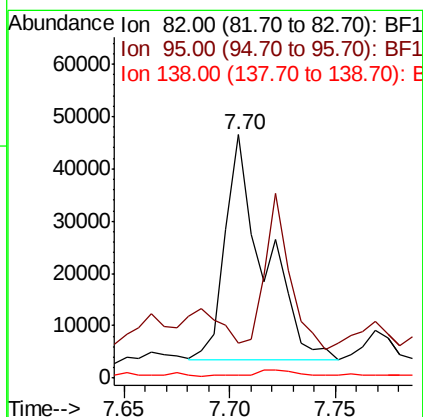
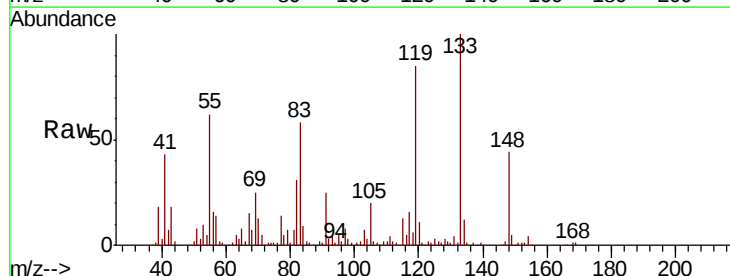
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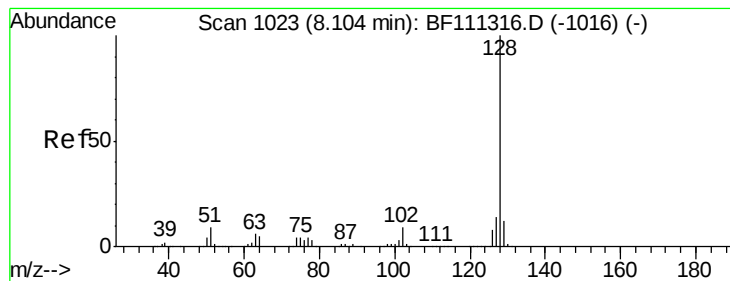
Tgt Ion: 82 Resp: 1251352
Ion Ratio Lower Upper
82 100
128 47.1 37.4 56.2
54 59.0 47.6 71.4



#25
Isophorone
Concen: 2.262 ng
RT: 7.70 min Scan# 955
Delta R.T. 0.08 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

Tgt Ion: 82 Resp: 54684
Ion Ratio Lower Upper
82 100
95 14.5 5.4 8.2#
138 1.0 15.1 22.7#





#31

Naphthalene

Concen: 4.964 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

Instrument :

BNA_F

ClientSampleId :

SB-2(12.5-14.5)RE

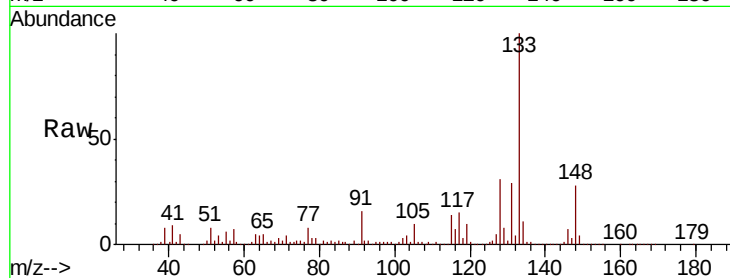
Tgt Ion:128 Resp: 185494

Ion Ratio Lower Upper

128 100

129 24.2 9.8 14.8#

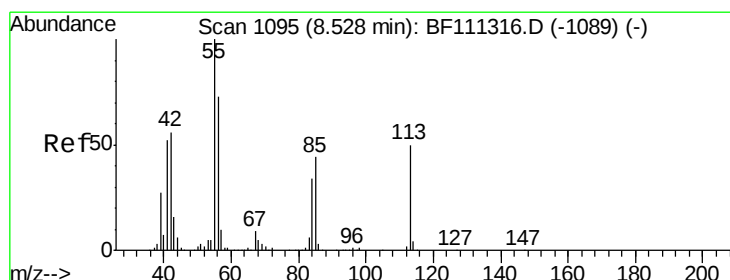
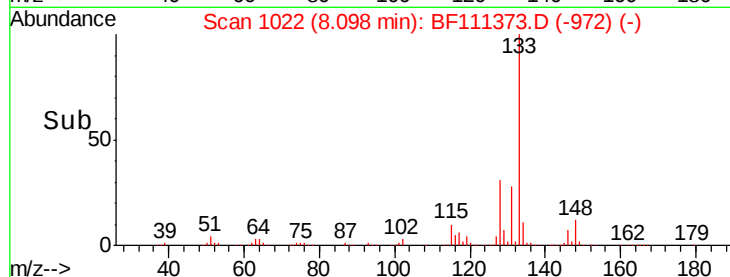
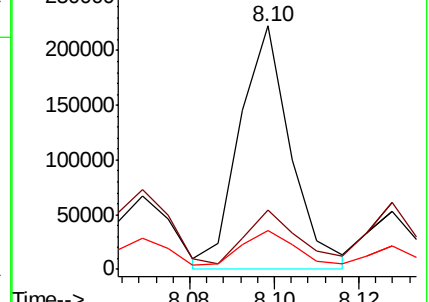
127 15.9 12.0 18.0



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



#35

Caprolactam

Concen: 5.346 ng

RT: 8.51 min Scan# 1092

Delta R.T. -0.02 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

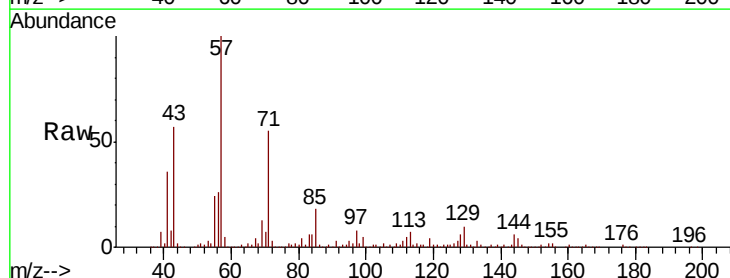
Tgt Ion:113 Resp: 21369

Ion Ratio Lower Upper

113 100

55 346.1 184.1 224.1#

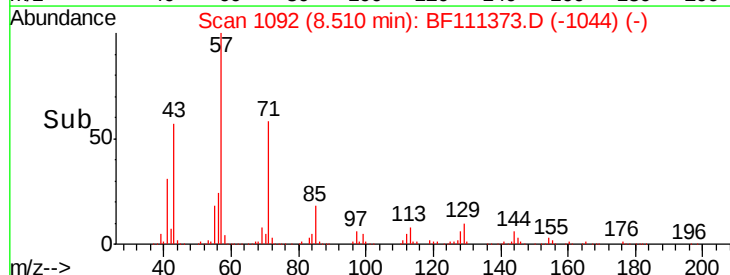
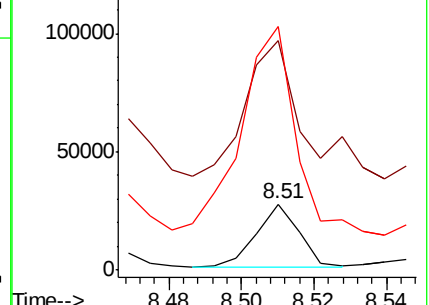
56 368.1 126.0 166.0#

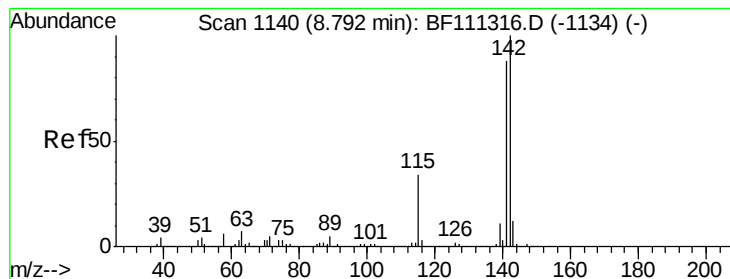


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

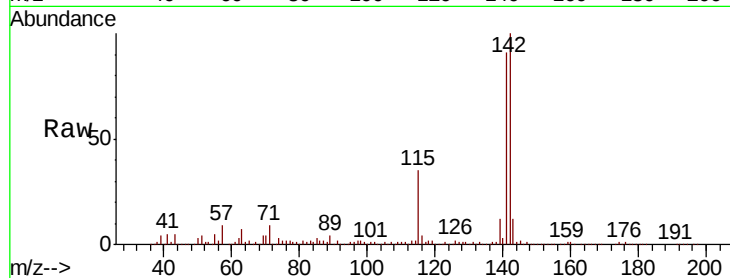




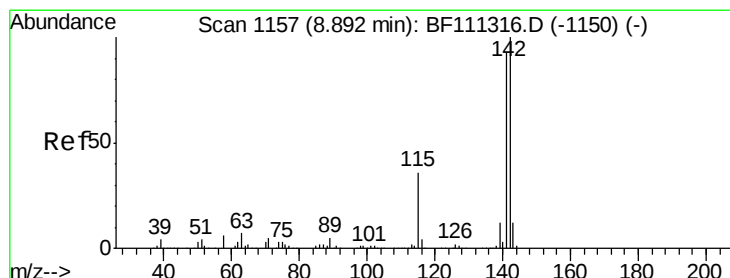
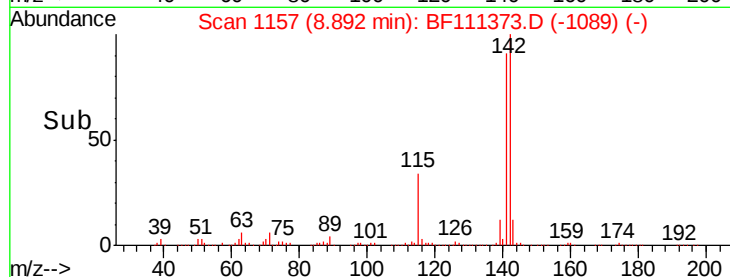
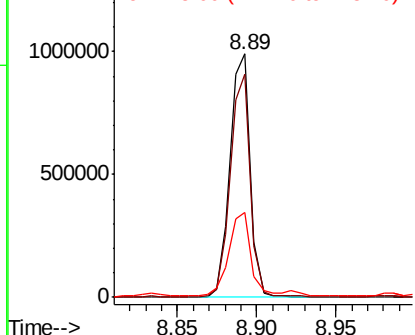
#37
 2-Methylnaphthalene
 Concen: 36.359 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. 0.10 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(12.5-14.5)RE

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	70.6	105.8
115	34.8	27.0	40.6

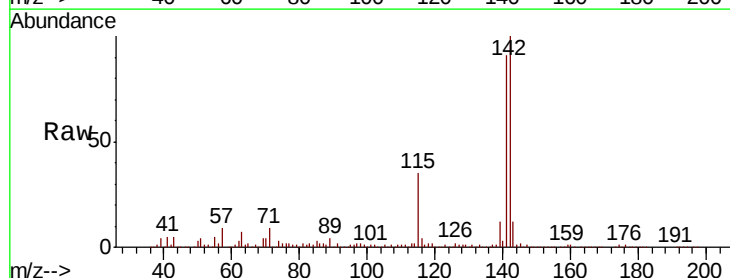


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

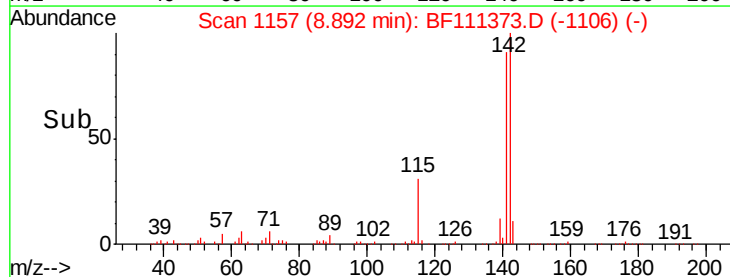
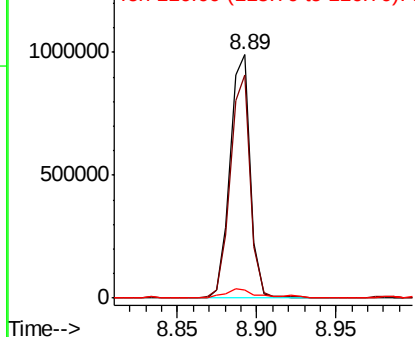


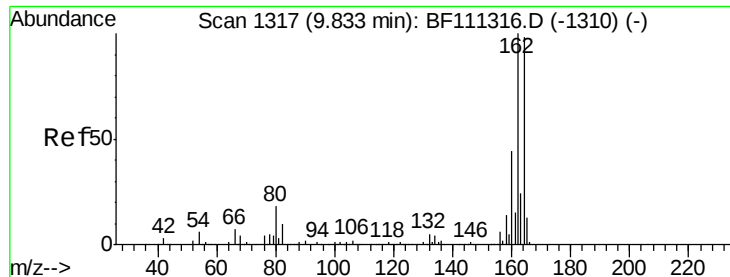
#38
 1-Methylnaphthalene
 Concen: 37.672 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.2	111.4
116	3.6	2.9	4.3



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

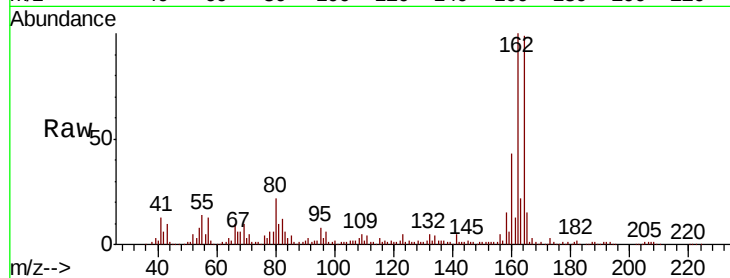




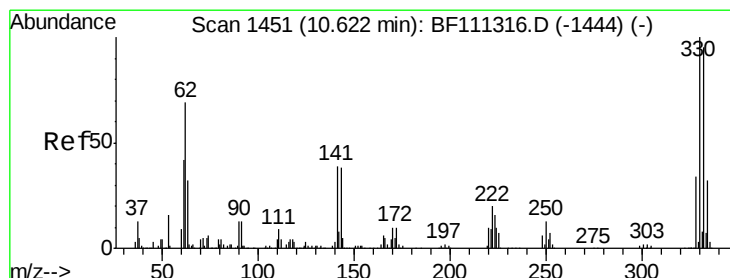
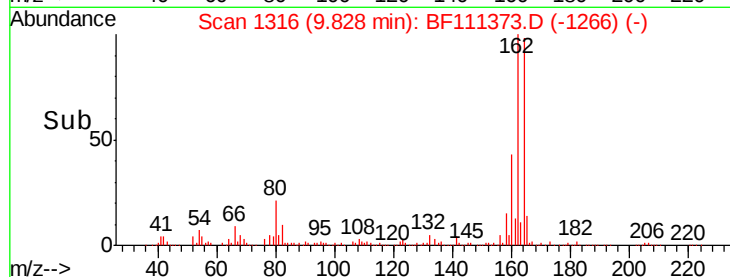
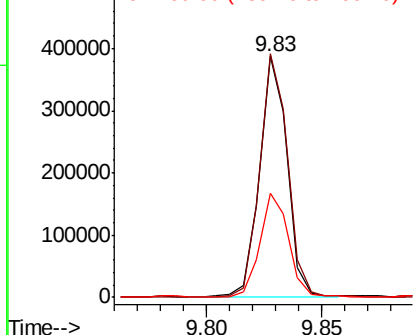
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

Instrument :
BNA_F
ClientSampleId :
SB-2(12.5-14.5)RE

Tgt Ion:164 Resp: 319271
Ion Ratio Lower Upper
164 100
162 101.3 81.4 122.0
160 43.2 35.7 53.5

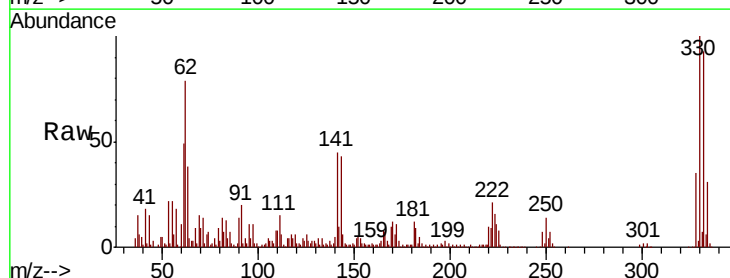


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

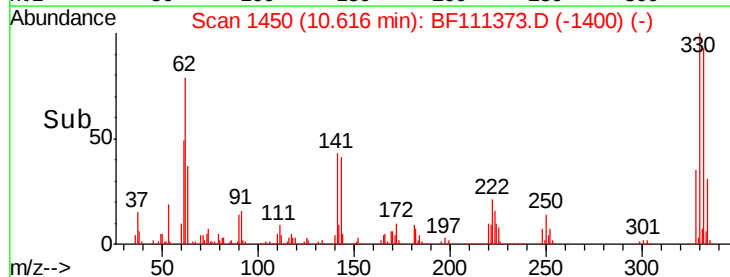
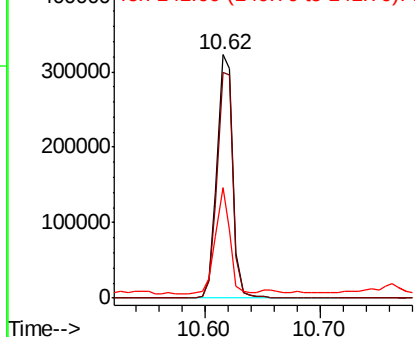


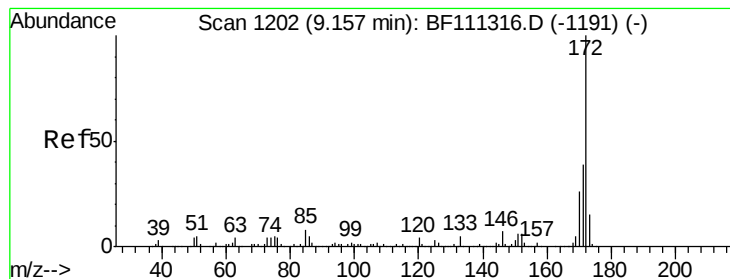
#42
2,4,6-Tribromophenol
Concen: 110.052 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

Tgt Ion:330 Resp: 309731
Ion Ratio Lower Upper
330 100
332 93.7 76.0 114.0
141 39.1 31.0 46.6



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

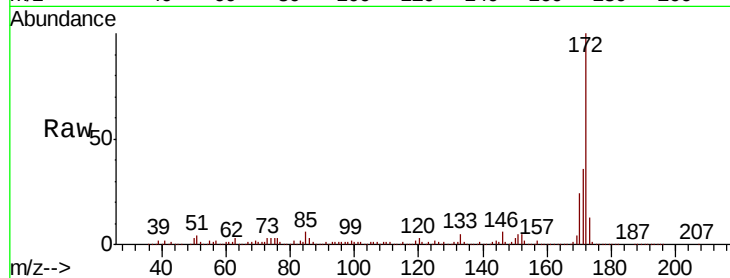




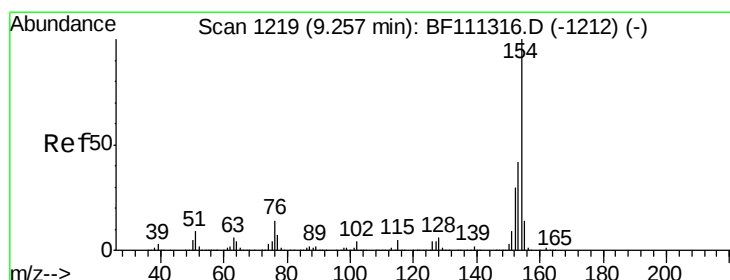
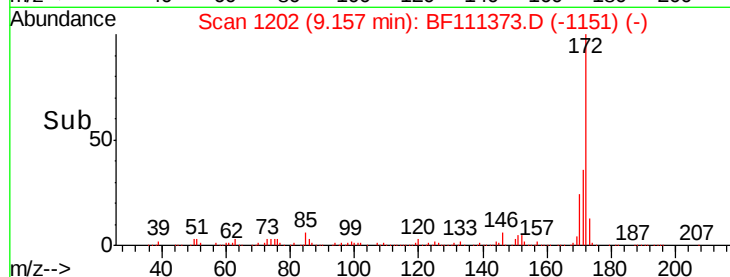
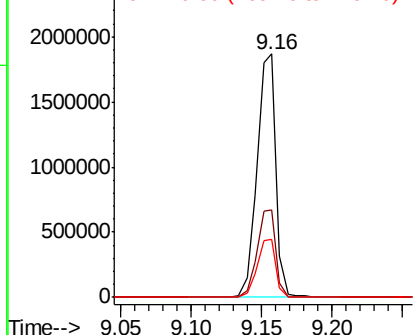
#45
 2-Fluorobiphenyl
 Concen: 88.671 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(12.5-14.5)RE

Tgt Ion:172 Resp: 1763332
 Ion Ratio Lower Upper
 172 100
 171 36.2 33.0 49.4
 170 23.7 22.3 33.5

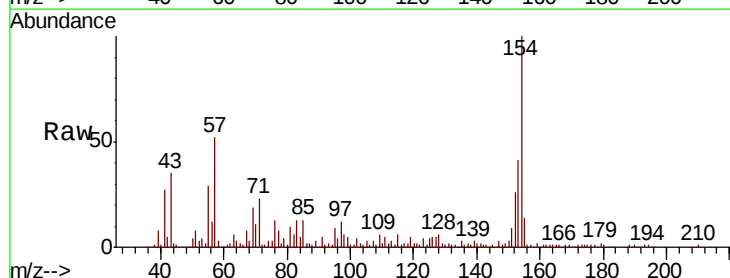


Abundance Ion 172.00 (171.70 to 172.70): E
 2500000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

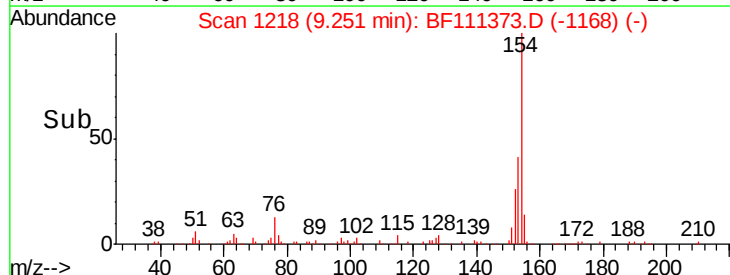
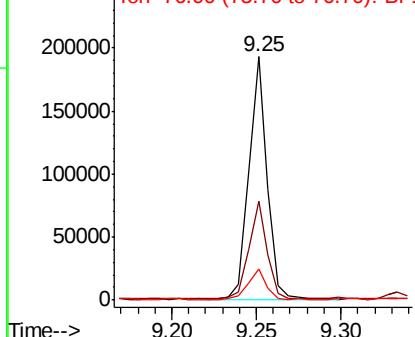


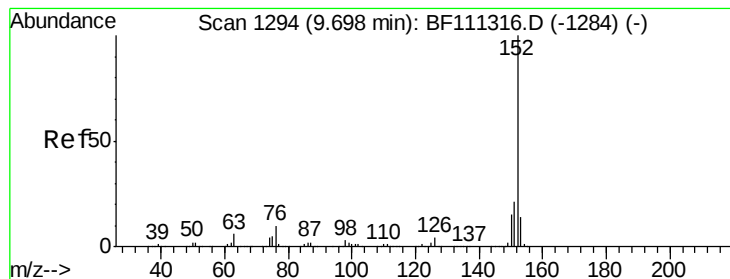
#46
 1,1'-Biphenyl
 Concen: 5.350 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

Tgt Ion:154 Resp: 145730
 Ion Ratio Lower Upper
 154 100
 153 40.9 23.7 63.7
 76 12.9 0.0 35.0



Abundance Ion 154.00 (153.70 to 154.70): E
 250000 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 3.544 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

Instrument :

BNA_F

ClientSampleId :

SB-2(12.5-14.5)RE

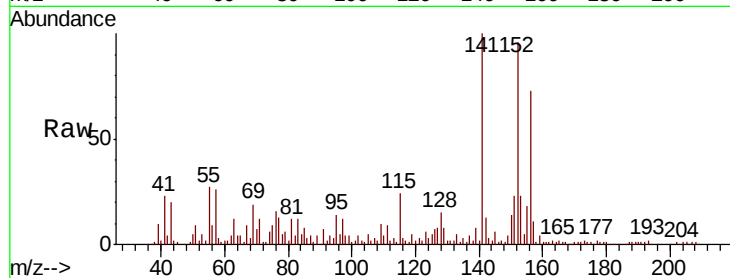
Tgt Ion:152 Resp: 108033

Ion Ratio Lower Upper

152 100

151 23.5 18.0 27.0

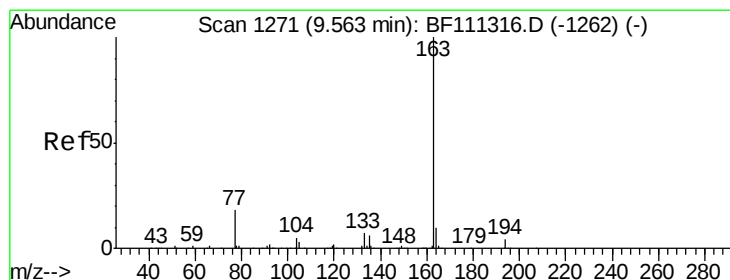
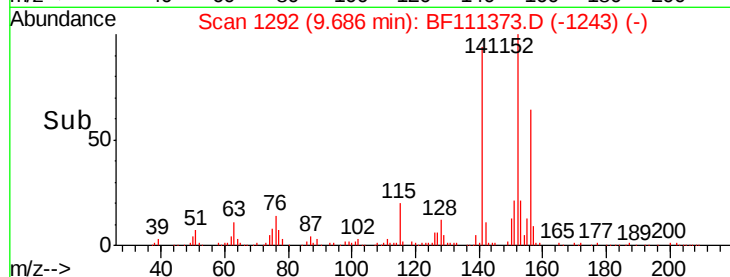
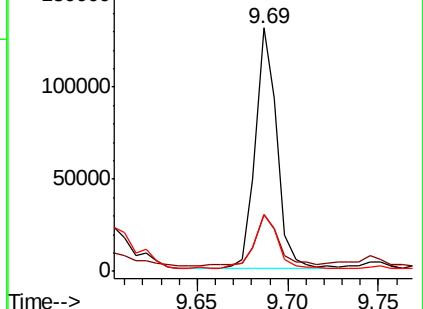
153 23.4 12.3 18.5#



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: 8.988 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

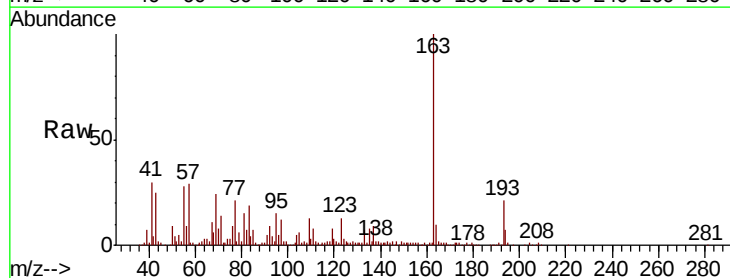
Tgt Ion:163 Resp: 206366

Ion Ratio Lower Upper

163 100

194 6.7 3.0 4.6#

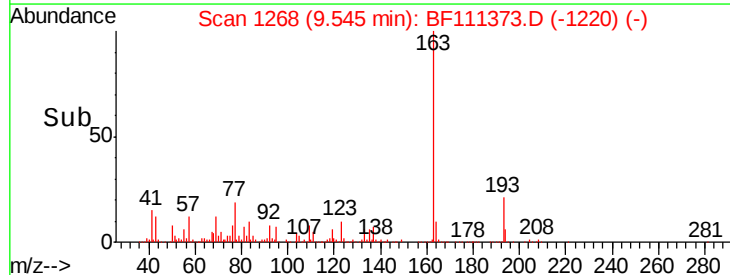
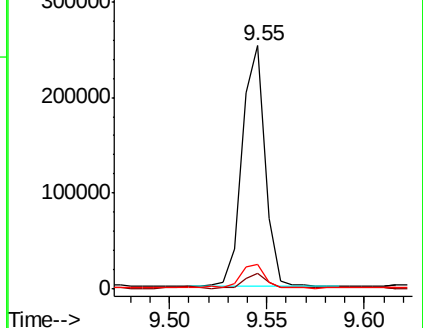
164 10.4 8.9 13.3

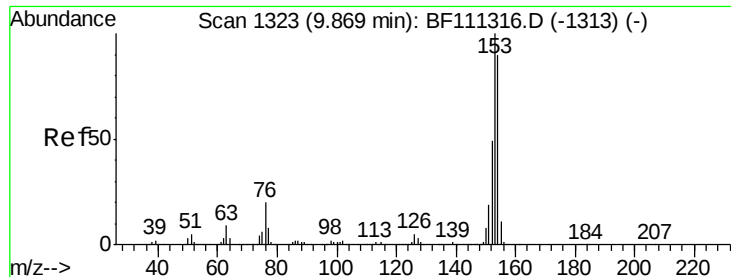


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 4.953 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

Instrument :

BNA_F

ClientSampleId :

SB-2(12.5-14.5)RE

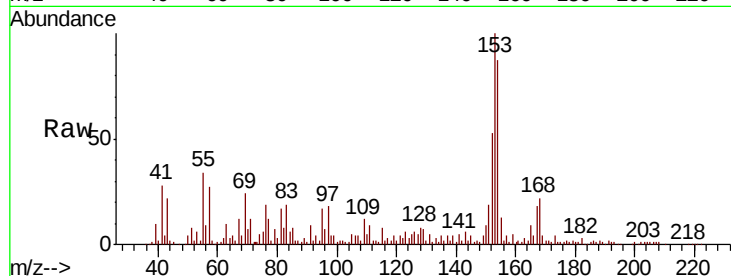
Tgt Ion:154 Resp: 95216

Ion Ratio Lower Upper

154 100

153 114.4 87.8 131.8

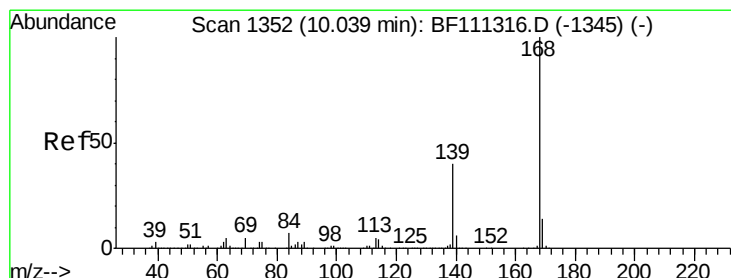
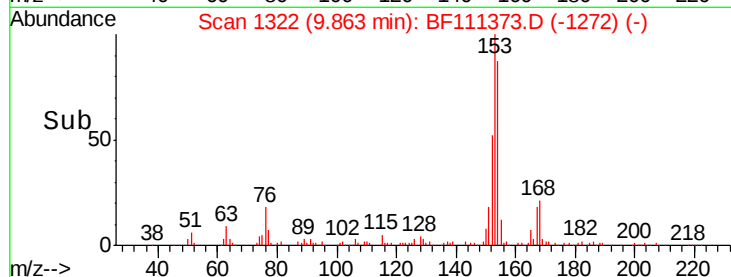
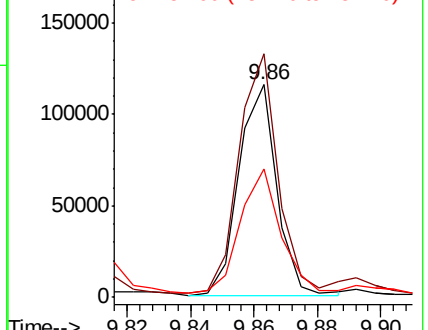
152 60.3 43.4 65.2



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



#55

Dibenzofuran

Concen: 8.568 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

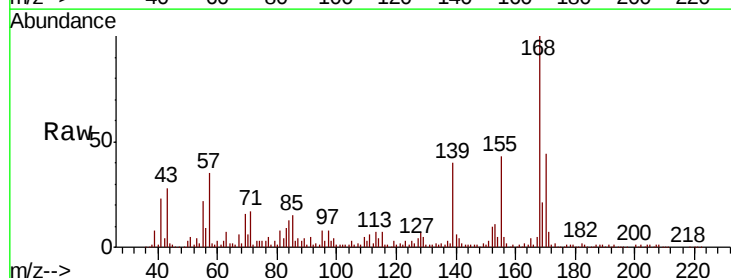
Tgt Ion:168 Resp: 237786

Ion Ratio Lower Upper

168 100

139 39.8 32.6 49.0

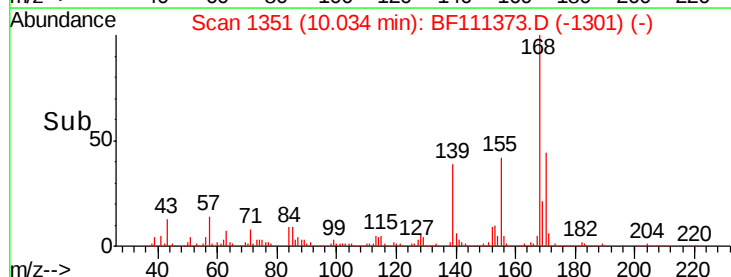
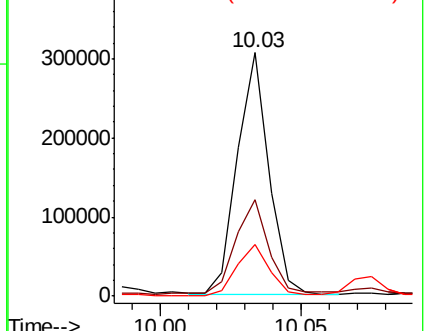
169 21.1 11.8 17.6#

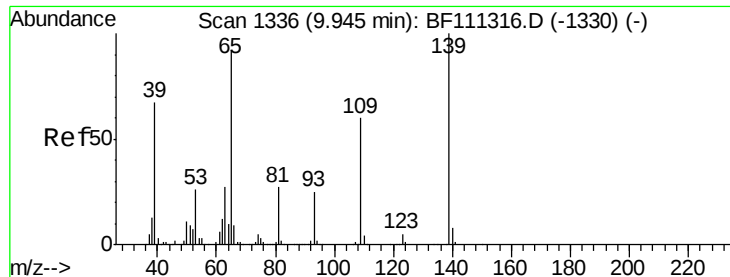


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

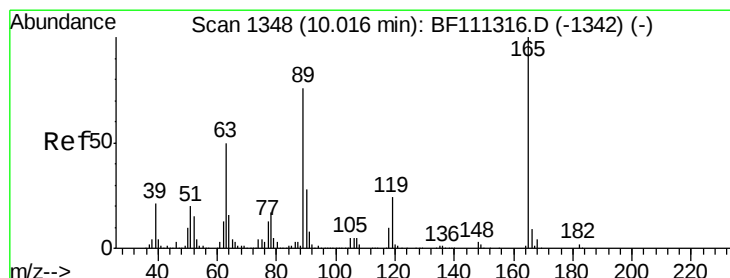
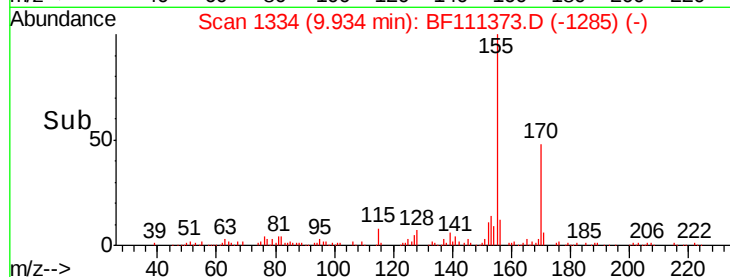
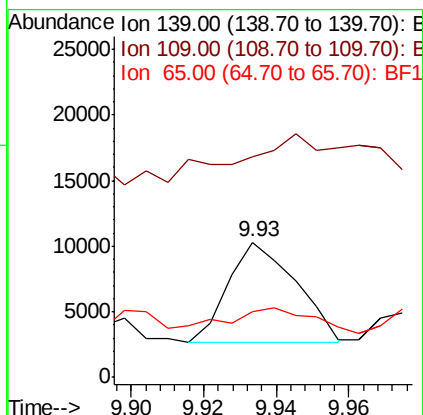
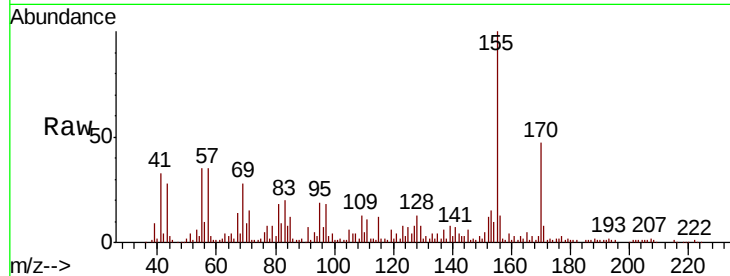




#56
4-Nitrophenol
Concen: 2.232 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

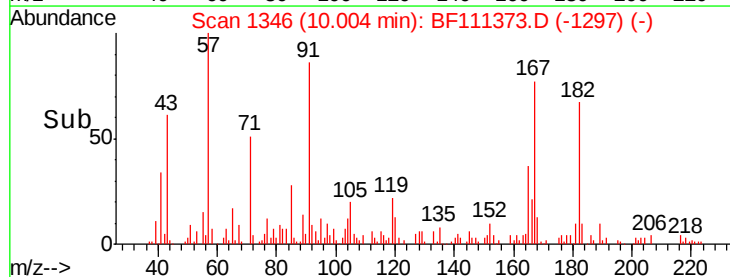
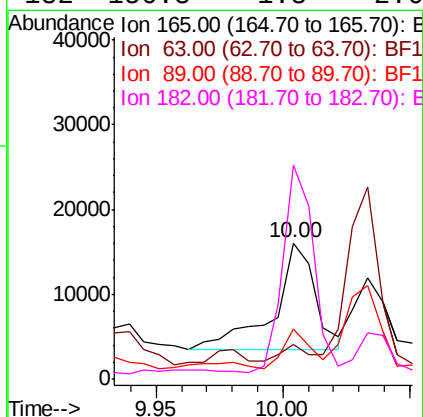
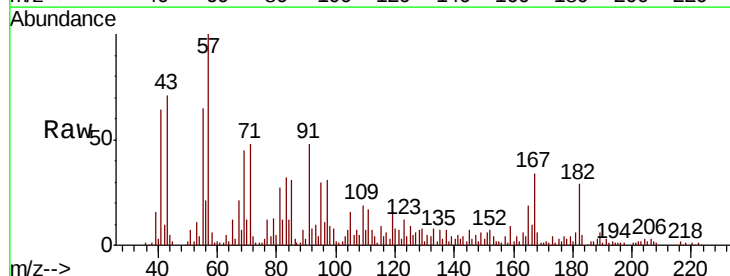
Instrument :
BNA_F
ClientSampleId :
SB-2(12.5-14.5)RE

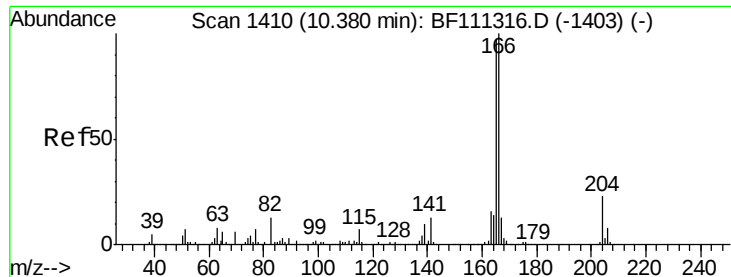
Tgt Ion:139 Resp: 9831
Ion Ratio Lower Upper
139 100
109 163.6 41.8 81.8#
65 48.3 79.6 119.6#



#57
2,4-Dinitrotoluene
Concen: 2.235 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

Tgt Ion:165 Resp: 14576
Ion Ratio Lower Upper
165 100
63 25.3 34.6 52.0#
89 36.9 56.2 84.4#
182 156.8 1.8 2.6#

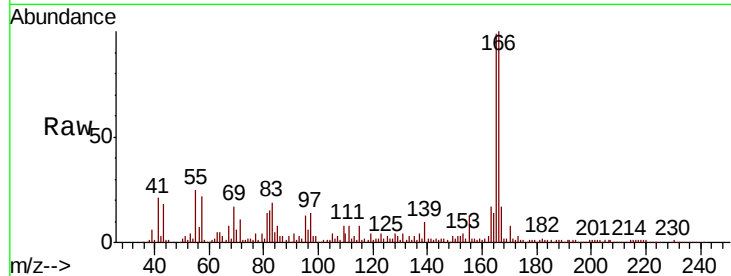




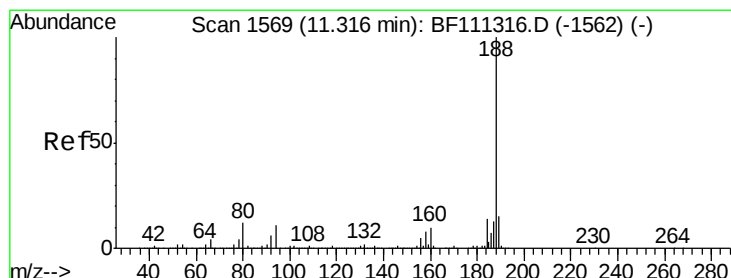
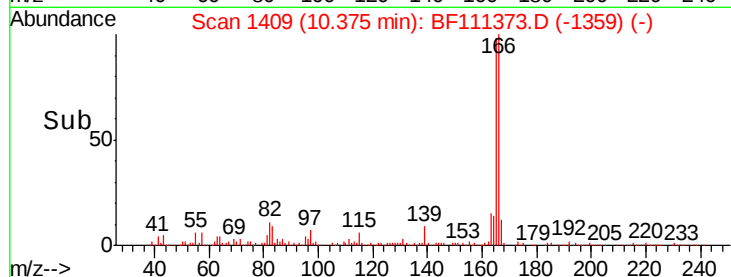
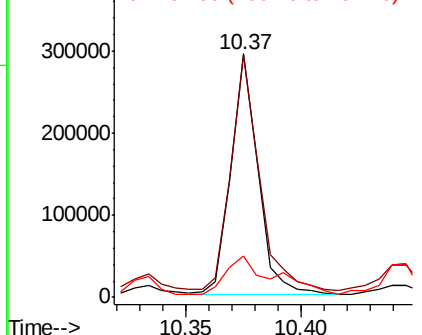
#58
 Fluorene
 Concen: 12.071 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(12.5-14.5)RE

Tgt Ion:166 Resp: 239646
 Ion Ratio Lower Upper
 166 100
 165 99.5 78.4 117.6
 167 16.9 11.2 16.8#

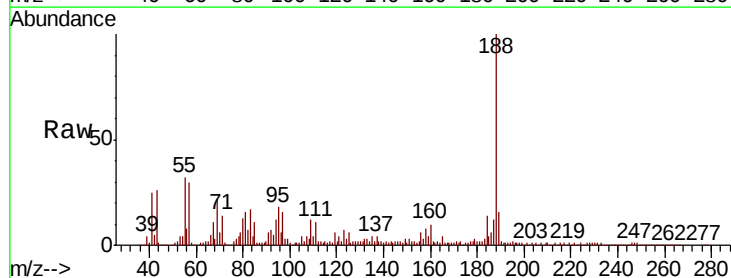


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

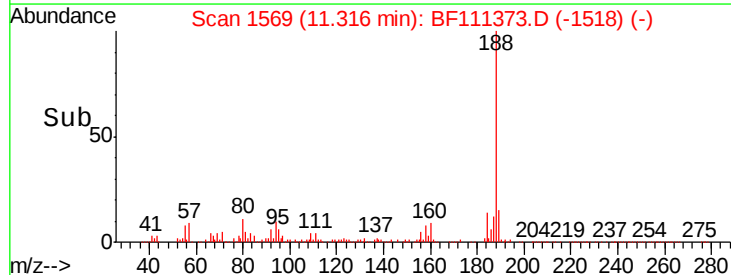
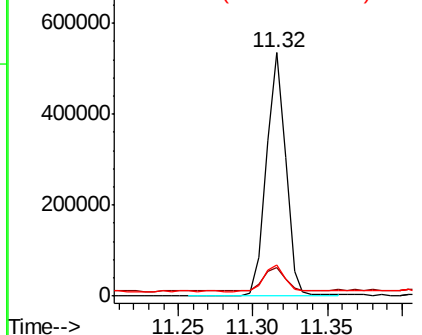


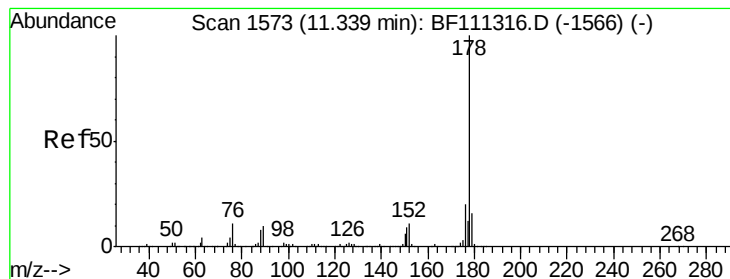
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

Tgt Ion:188 Resp: 473440
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.6 14.4
 80 12.8 9.8 14.6



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 36.772 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

Instrument :

BNA_F

ClientSampleId :

SB-2(12.5-14.5)RE

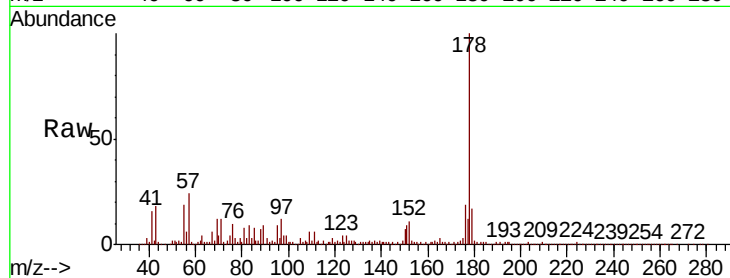
Tgt Ion:178 Resp: 899845

Ion Ratio Lower Upper

178 100

176 19.3 18.1 27.1

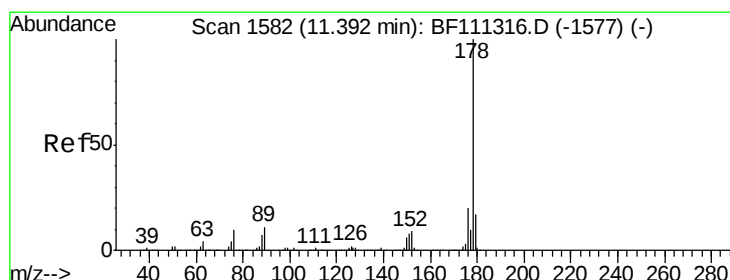
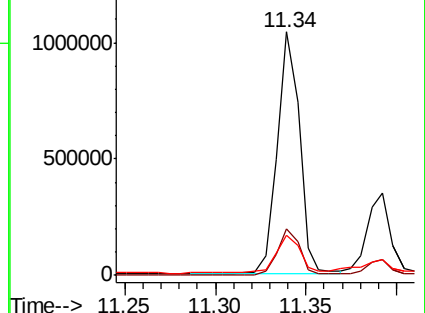
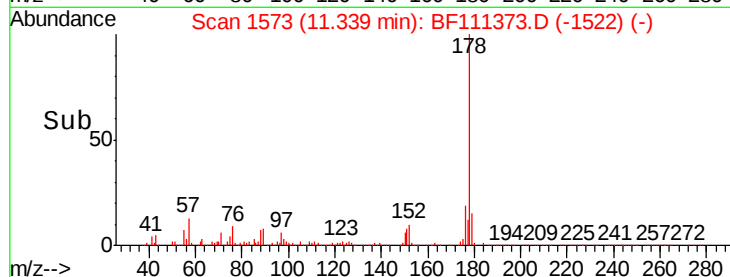
179 16.7 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 11.869 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

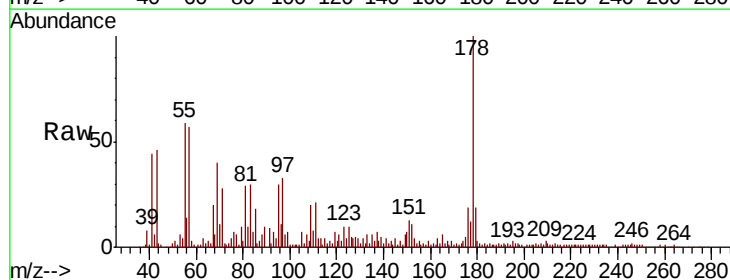
Tgt Ion:178 Resp: 295736

Ion Ratio Lower Upper

178 100

176 18.7 17.2 25.8

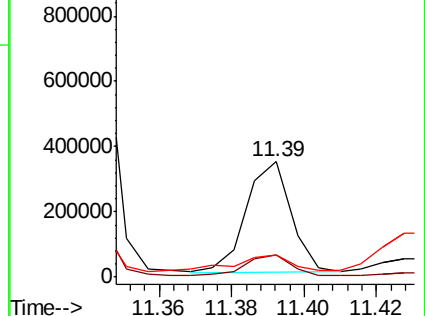
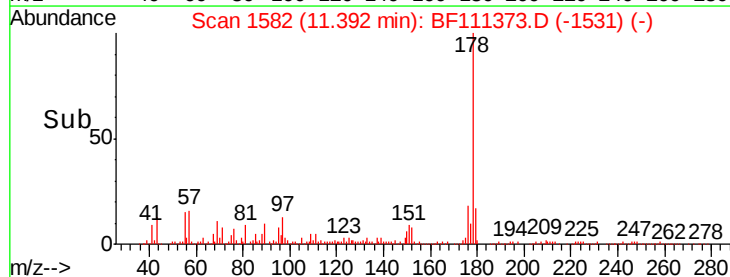
179 19.0 13.8 20.8

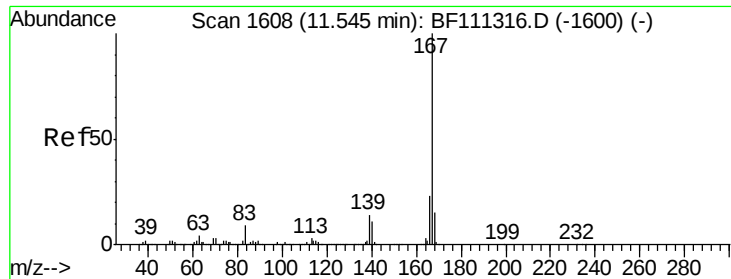


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

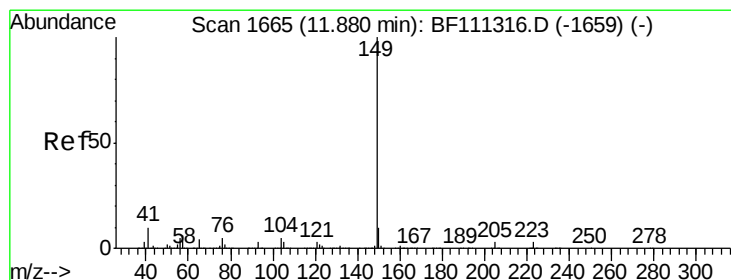
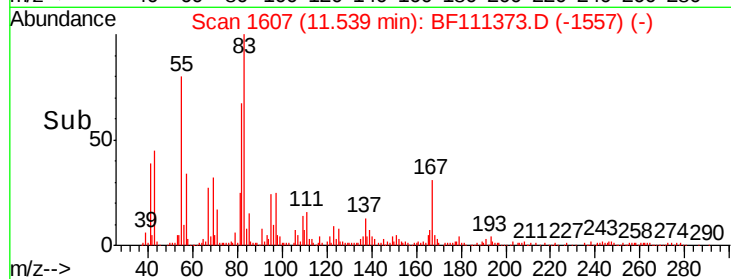
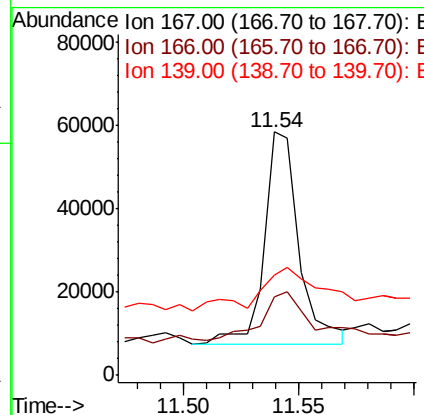
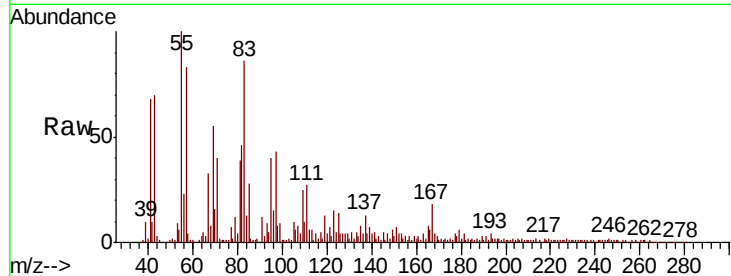




#73
 Carbazole
 Concen: 2.081 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

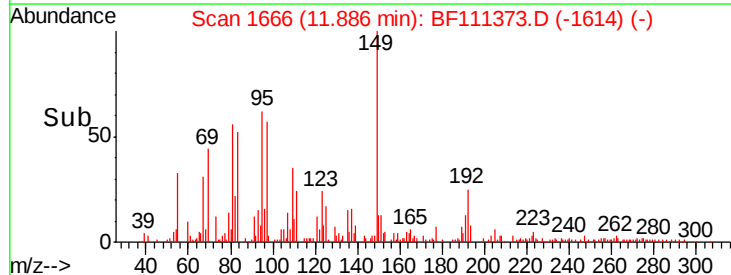
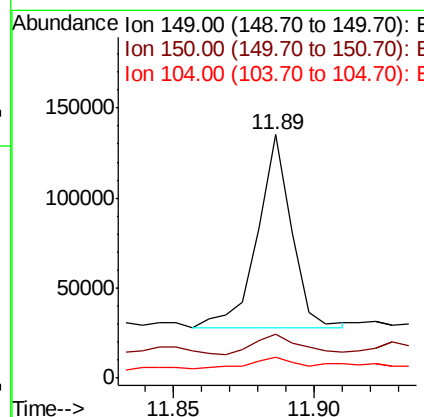
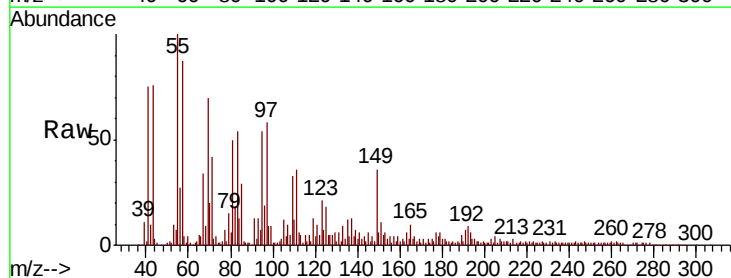
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(12.5-14.5)RE

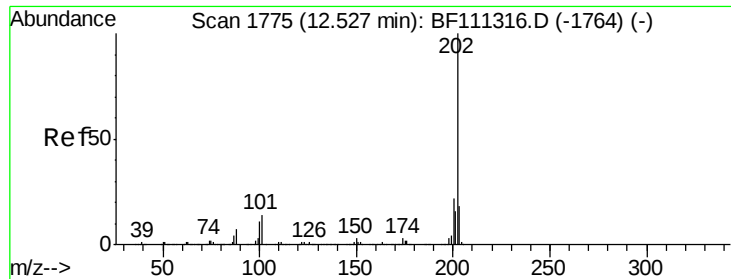
Tgt Ion	Resp	Lower	Upper
167	100		
166	32.4	19.3	28.9#
139	41.2	11.9	17.9#



#74
 Di-n-butylphthalate
 Concen: 3.070 ng
 RT: 11.89 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

Tgt Ion	Resp	Lower	Upper
149	100		
150	18.0	8.8	13.2#
104	8.7	4.5	6.7#





#75

Fluoranthene

Concen: 23.851 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.02 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

Instrument :

BNA_F

ClientSampleId :

SB-2(12.5-14.5)RE

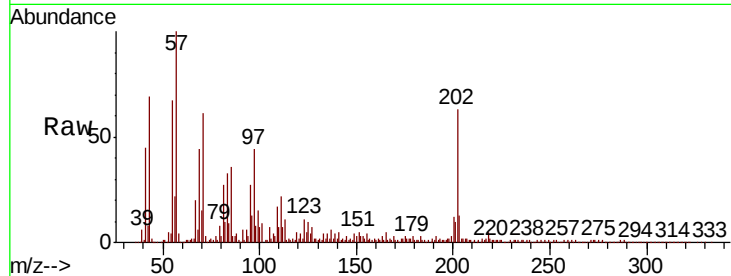
Tgt Ion: 202 Resp: 569781

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.8

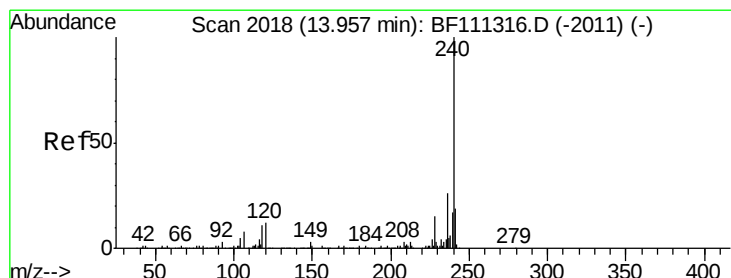
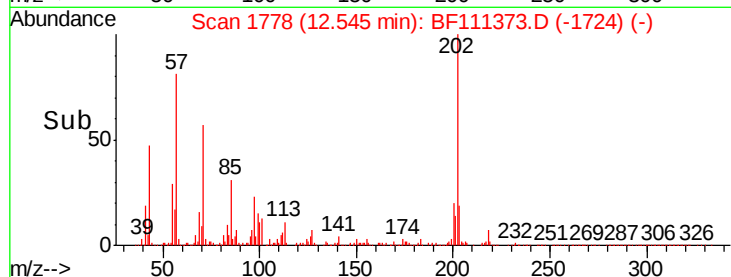
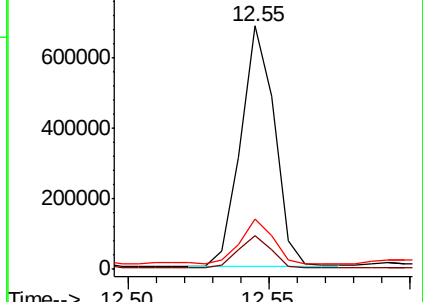
203 20.6 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.04 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

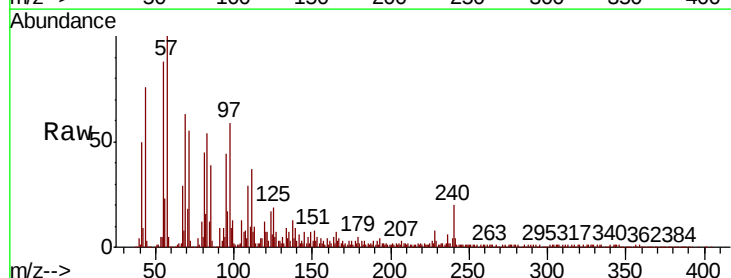
Tgt Ion: 240 Resp: 181223

Ion Ratio Lower Upper

240 100

120 36.1 12.2 18.2#

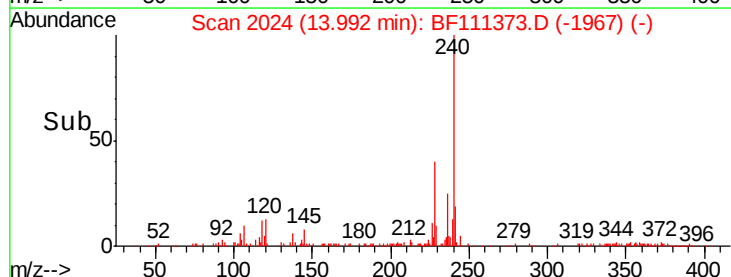
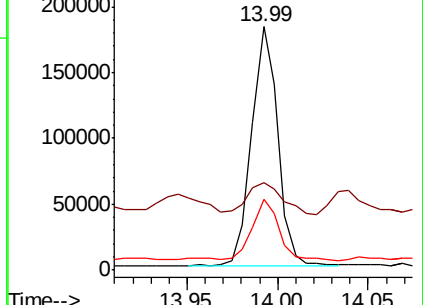
236 29.1 20.2 30.2

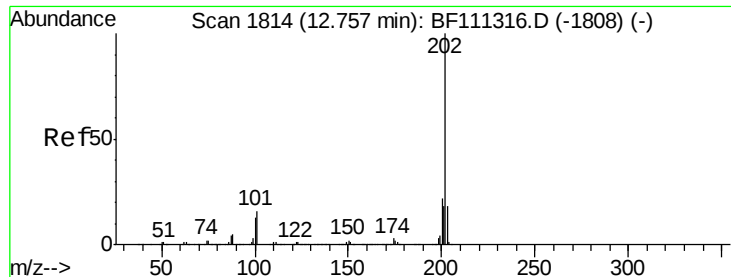


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

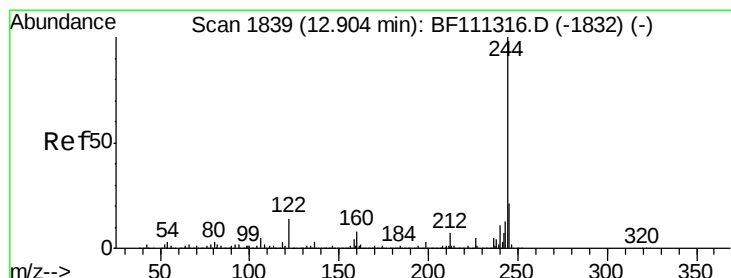
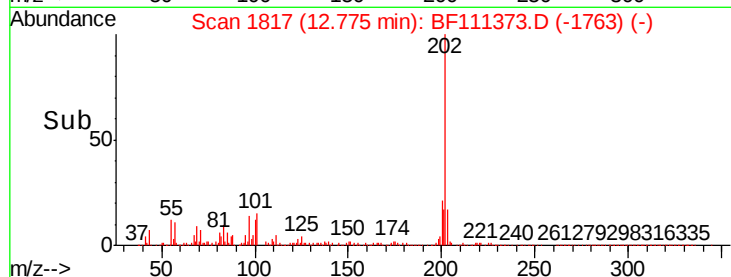
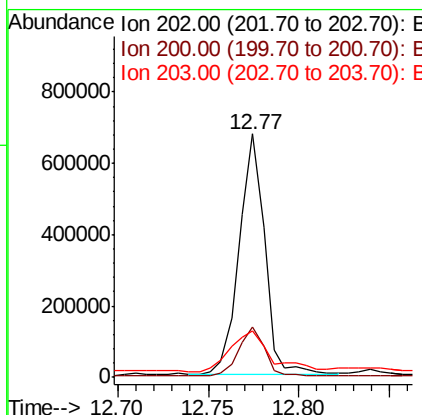
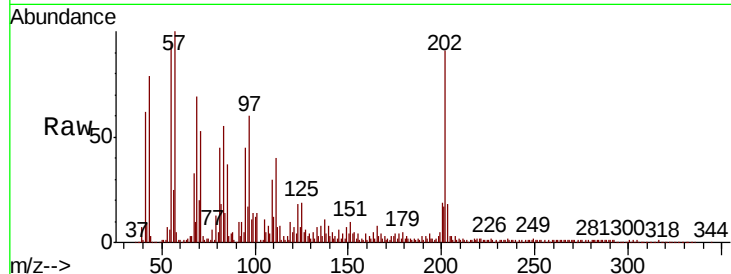




#78
 Pyrene
 Concen: 47.308 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. 0.02 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

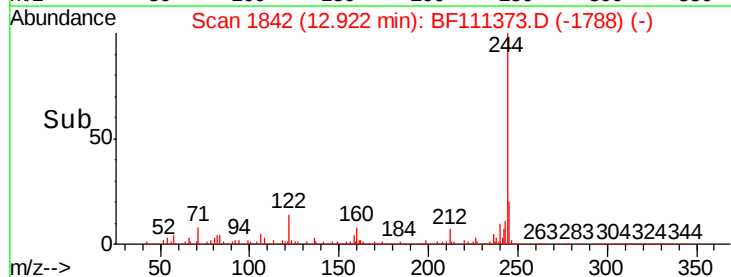
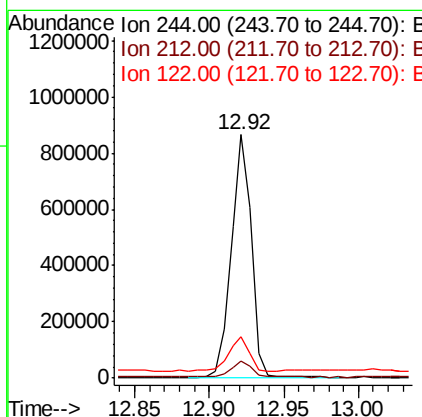
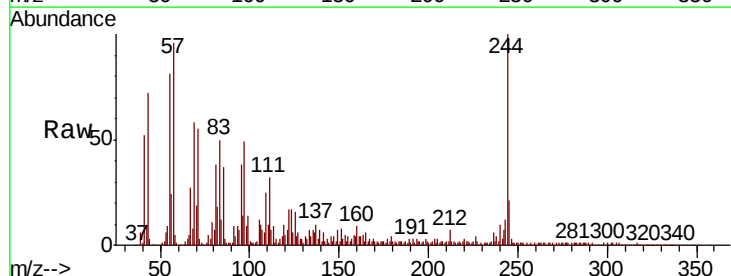
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(12.5-14.5)RE

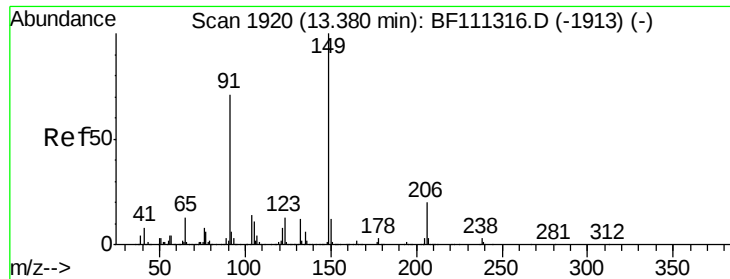
Tgt Ion:	202	Resp:	661661
Ion	Ratio	Lower	Upper
202	100		
200	20.9	19.0	28.4
203	19.3	15.2	22.8



#79
 Terphenyl-d14
 Concen: 98.914 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.02 min
 Lab File: BF111373.D
 Acq: 13 Dec 2018 16:51

Tgt Ion:	244	Resp:	814446
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	16.9	13.1	19.7

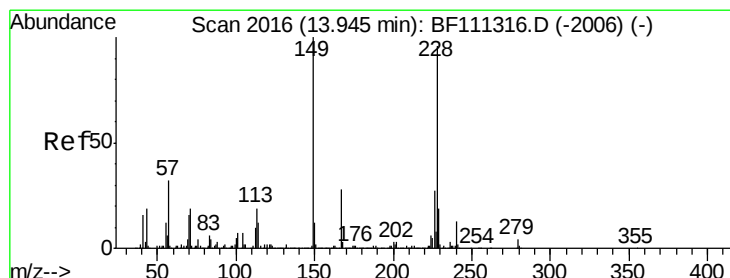
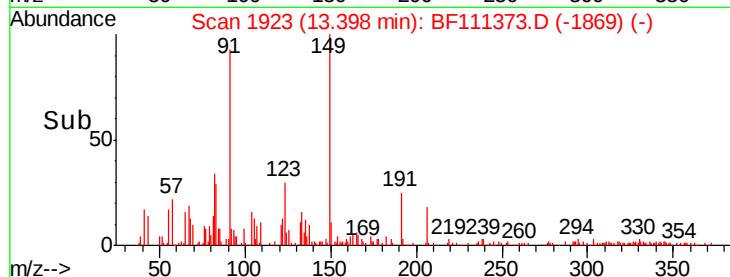
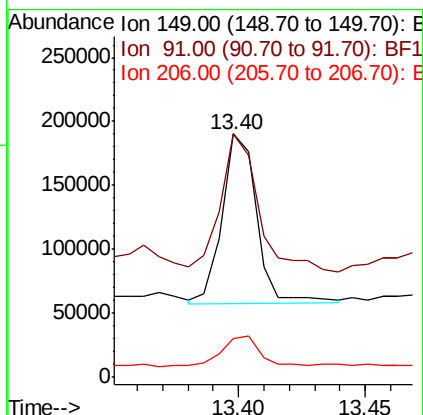
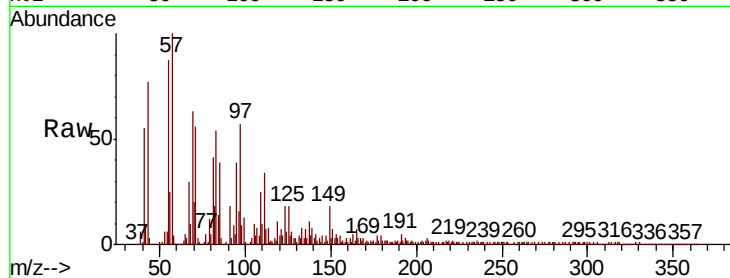




#80
Butylbenzylphthalate
Concen: 18.590 ng
RT: 13.40 min Scan# 1923
Delta R.T. 0.02 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

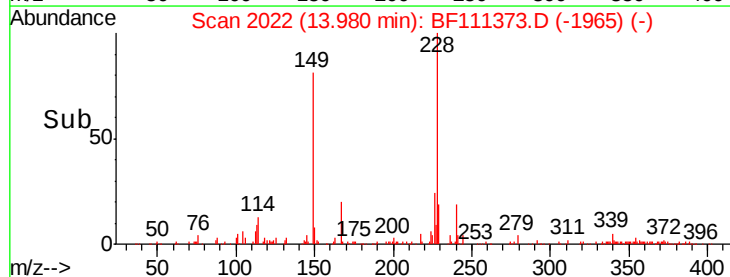
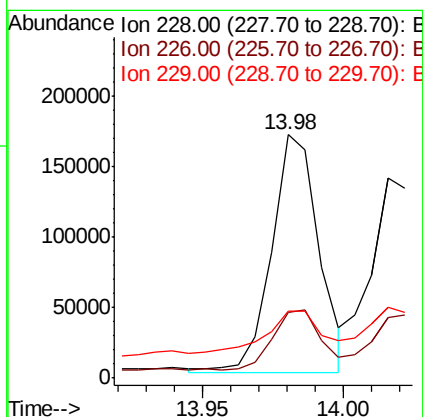
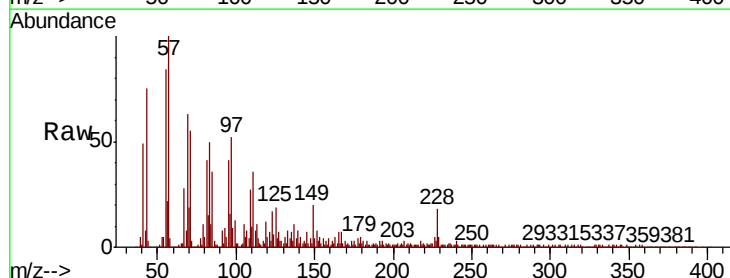
Instrument :
BNA_F
ClientSampleId :
SB-2(12.5-14.5)RE

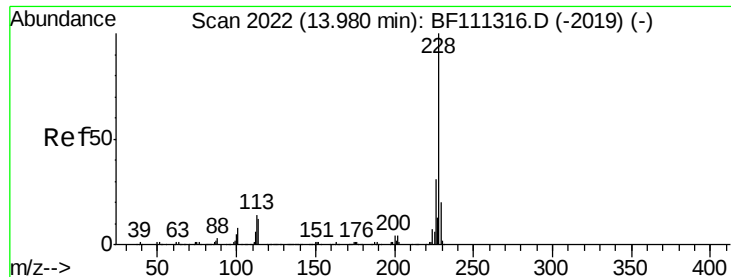
Tgt Ion	Ratio	Lower	Upper
149	100		
91	100.0	63.8	95.6#
206	15.9	15.1	22.7



#81
Benzo(a)anthracene
Concen: 19.257 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.04 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	34.0
229	27.3	16.3	24.5#





#83

Chrysene

Concen: 16.238 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.04 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

Instrument :

BNA_F

ClientSampleId :

SB-2(12.5-14.5)RE

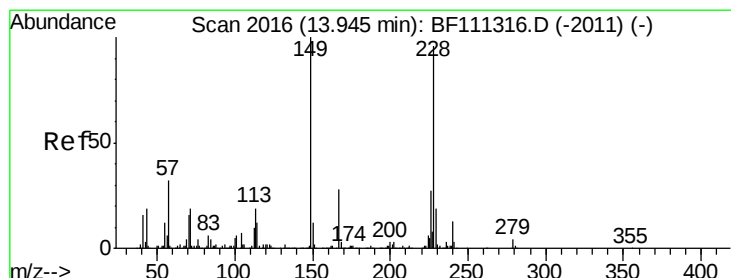
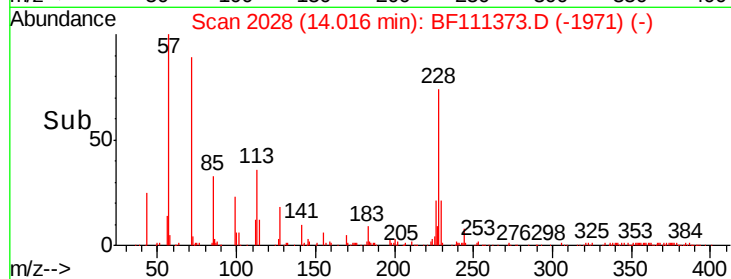
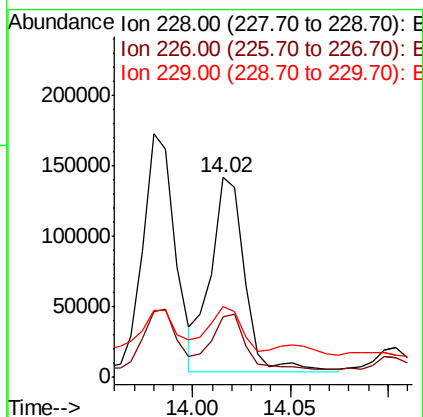
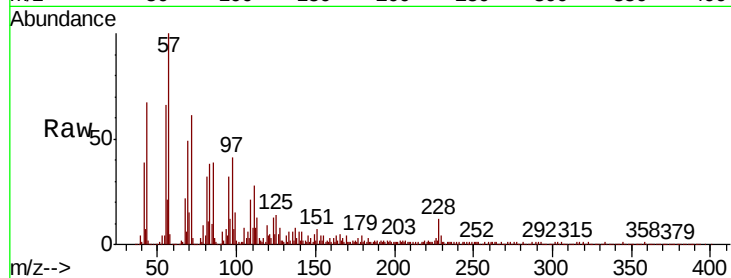
Tgt Ion: 228 Resp: 167980

Ion Ratio Lower Upper

228 100

226 30.2 25.3 37.9

229 35.4 17.2 25.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 18.894 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.03 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

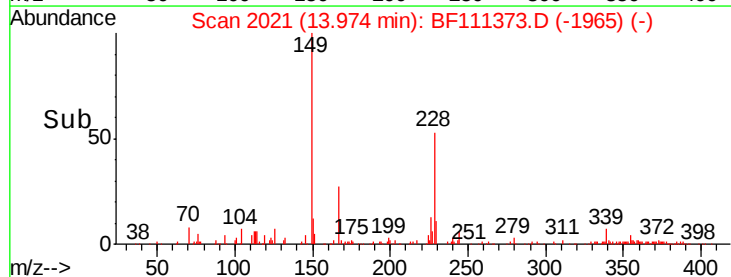
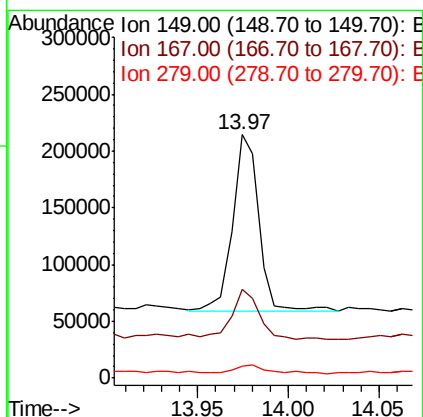
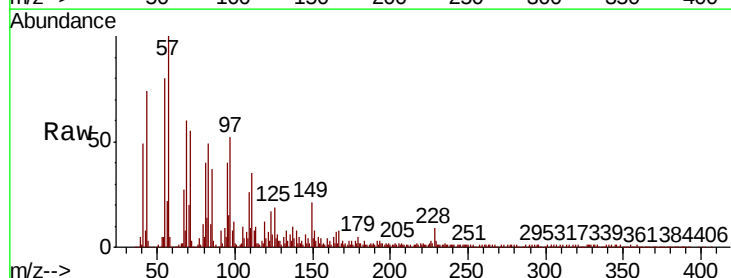
Tgt Ion: 149 Resp: 155105

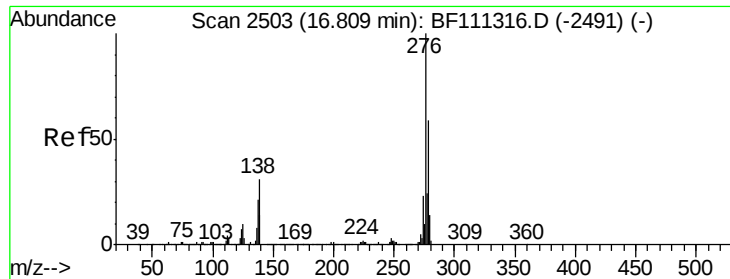
Ion Ratio Lower Upper

149 100

167 36.3 22.5 33.7#

279 4.8 2.6 4.0#





#86

Indeno(1,2,3-cd)pyrene

Concen: 11.426 ng

RT: 16.90 min Scan# 2519

Delta R.T. 0.09 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

Instrument :

BNA_F

ClientSampleId :

SB-2(12.5-14.5)RE

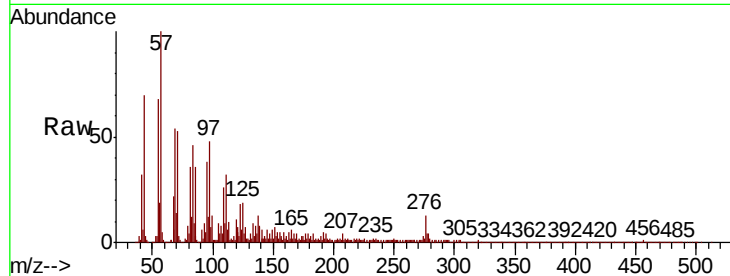
Tgt Ion:276 Resp: 92446

Ion Ratio Lower Upper

276 100

138 31.9 27.8 41.6

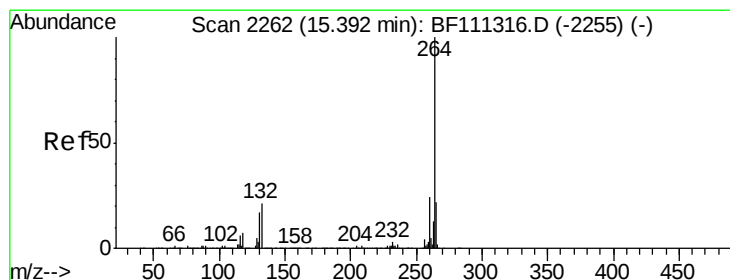
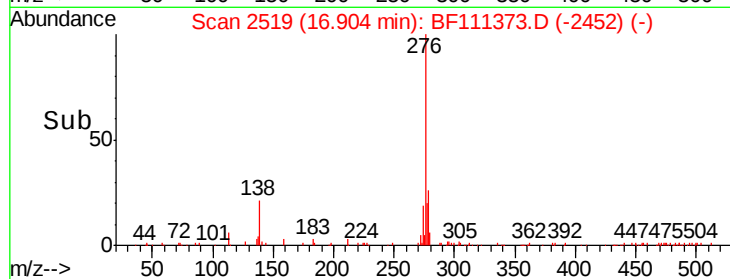
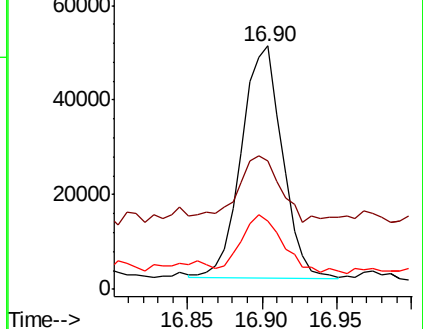
277 26.8 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.08 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

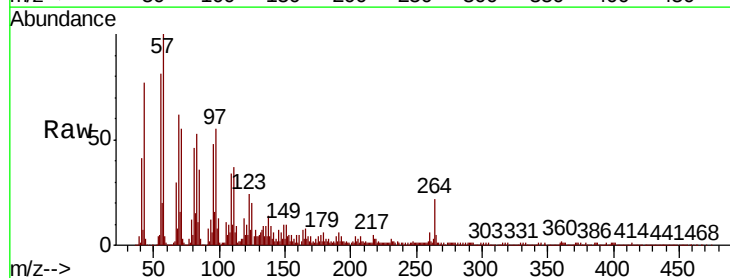
Tgt Ion:264 Resp: 181031

Ion Ratio Lower Upper

264 100

260 25.3 18.3 27.5

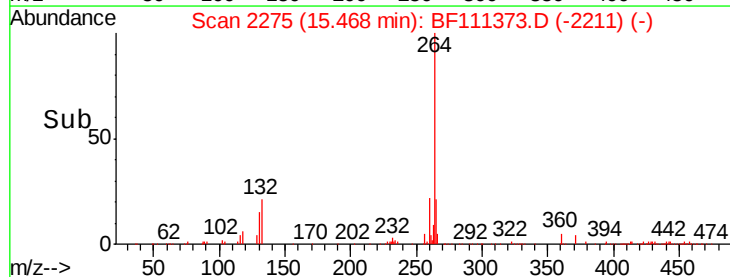
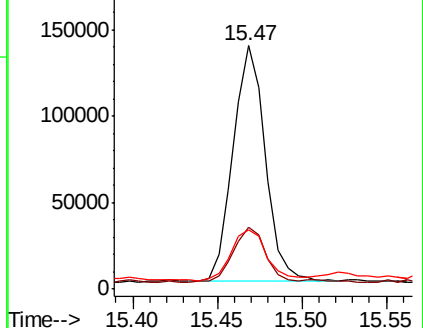
265 24.3 17.7 26.5

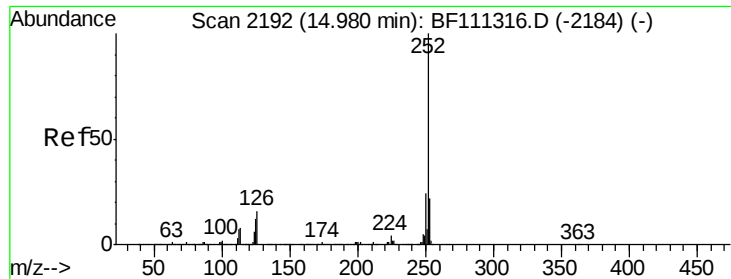


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

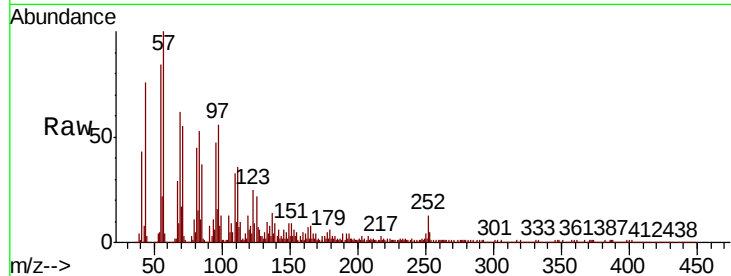




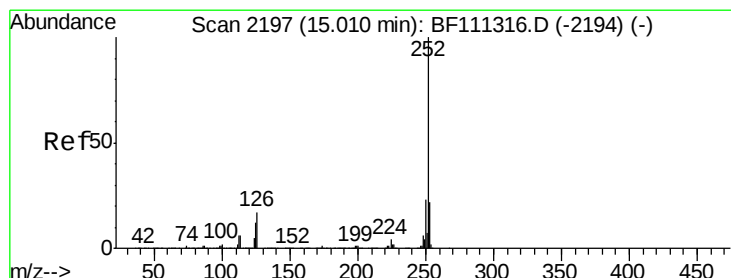
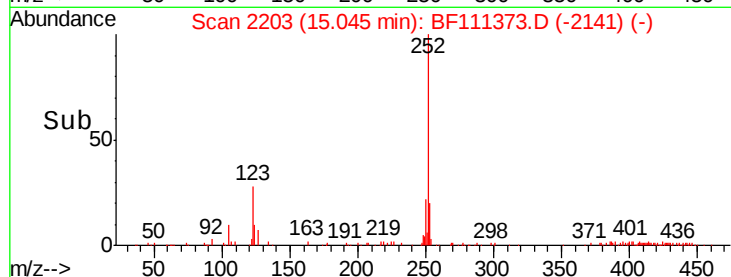
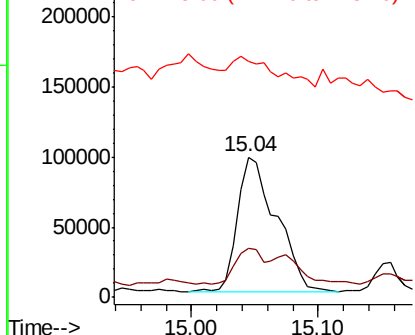
#88
Benzo(b)fluoranthene
Concen: 19.717 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.06 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

Instrument :
BNA_F
ClientSampleId :
SB-2(12.5-14.5)RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.1	18.2	27.2#
125	167.5	10.4	15.6#

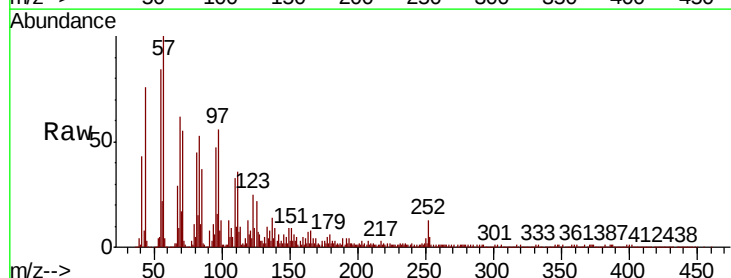


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

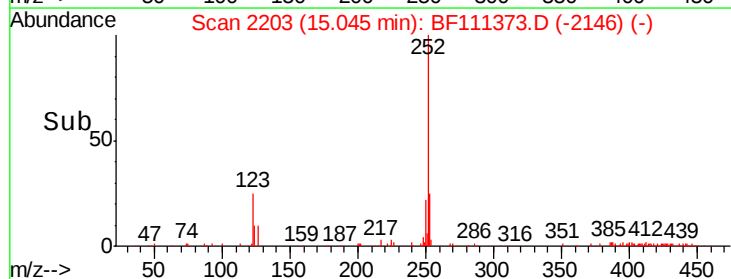
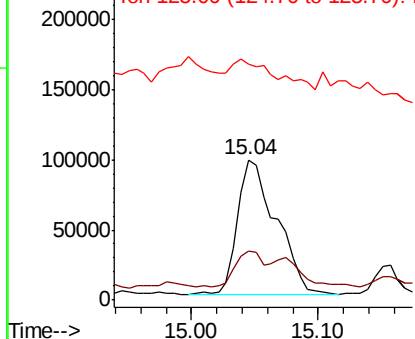


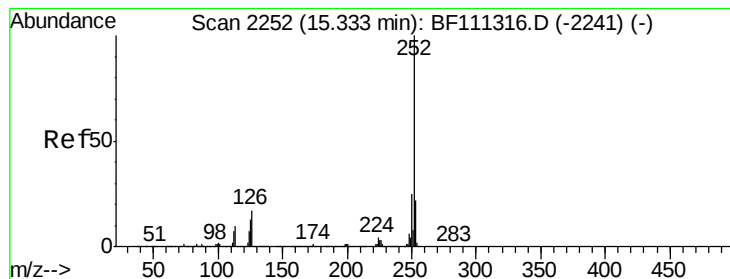
#89
Benzo(k)fluoranthene
Concen: 19.753 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.04 min
Lab File: BF111373.D
Acq: 13 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.1	18.1	27.1#
125	167.5	9.8	14.8#



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: 15.789 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.07 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

Instrument :

BNA_F

ClientSampleId :

SB-2(12.5-14.5)RE

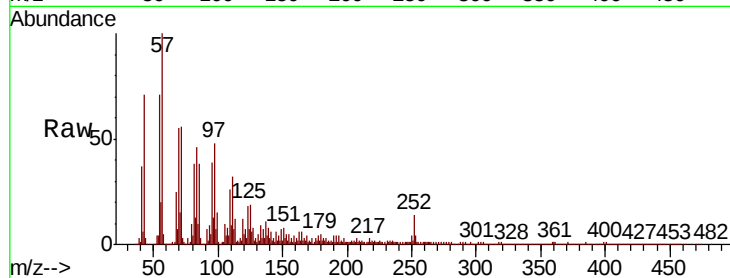
Tgt Ion:252 Resp: 151337

Ion Ratio Lower Upper

252 100

253 27.9 17.8 26.8#

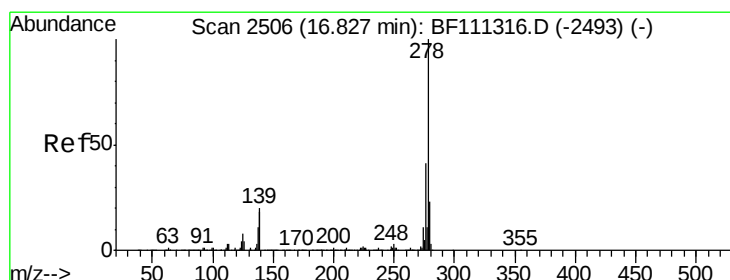
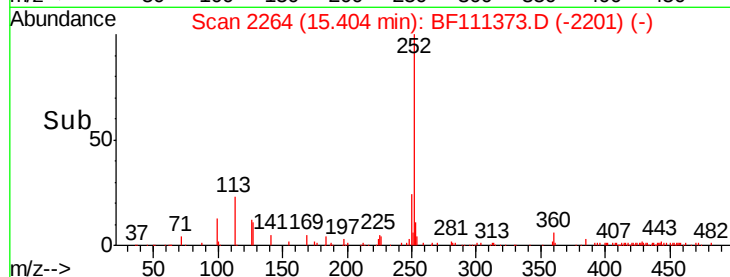
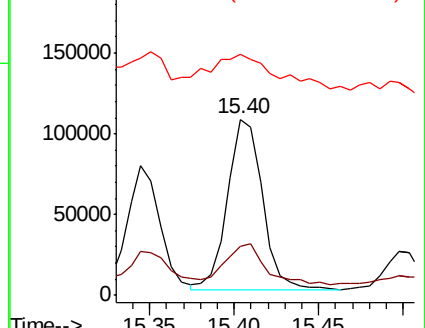
125 137.1 12.3 18.5#



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: 3.399 ng

RT: 16.90 min Scan# 2519

Delta R.T. 0.08 min

Lab File: BF111373.D

Acq: 13 Dec 2018 16:51

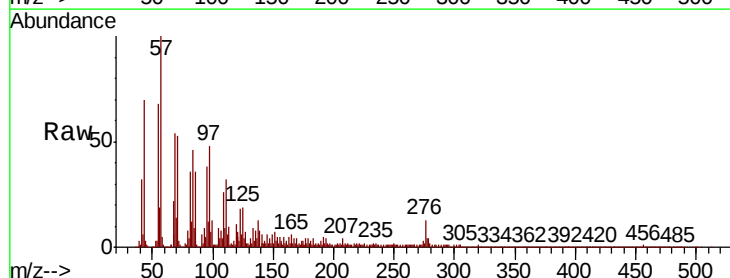
Tgt Ion:278 Resp: 27105

Ion Ratio Lower Upper

278 100

139 202.9 18.2 27.4#

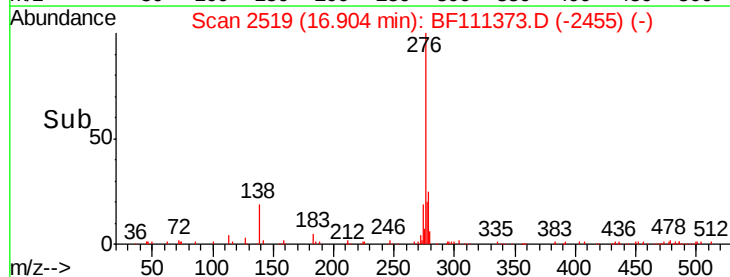
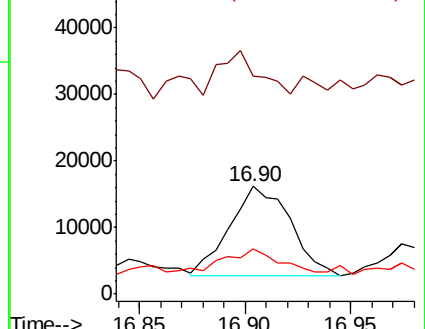
279 42.1 19.0 28.6#

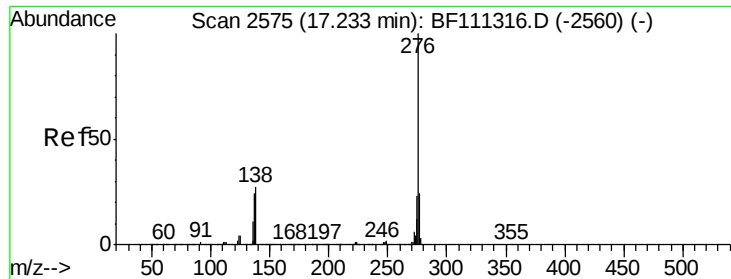


Abundance Ion 278.00 (277.70 to 278.70): E

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: 15.856 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.10 min

Lab File: BF111373.D

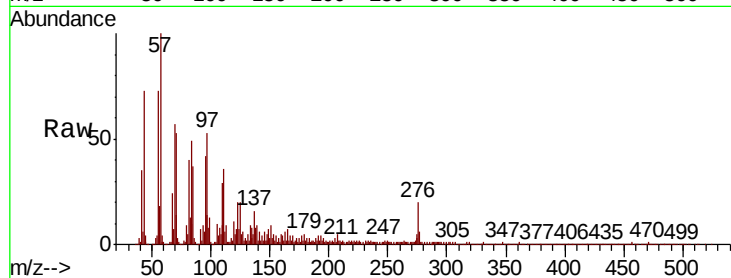
Acq: 13 Dec 2018 16:51

Instrument :

BNA_F

ClientSampleId :

SB-2(12.5-14.5)RE



Tgt Ion: 276 Resp: 126417

Ion Ratio Lower Upper

276 100

277 28.2 19.2 28.8

138 40.2 24.9 37.3#

