

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
 Data File : BF112189.D
 Acq On : 22 Jan 2019 13:20
 Operator : JU/SJ
 Sample : K1013-01RE 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-A

Quant Time: Jan 22 14:48:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	249681	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	975421	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	448844	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	736088	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	618260	20.00	ng	-0.01
87) Perylene-d12	15.49	264	614397	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	349307	25.39	ng	-0.01
7) Phenol-d6	6.49	99	435117	25.28	ng	-0.01
23) Nitrobenzene-d5	7.40	82	267745	18.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	114802	23.71	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	582270	19.02	ng	-0.01
79) Terphenyl-d14	12.96	244	475413	16.36	ng	-0.01

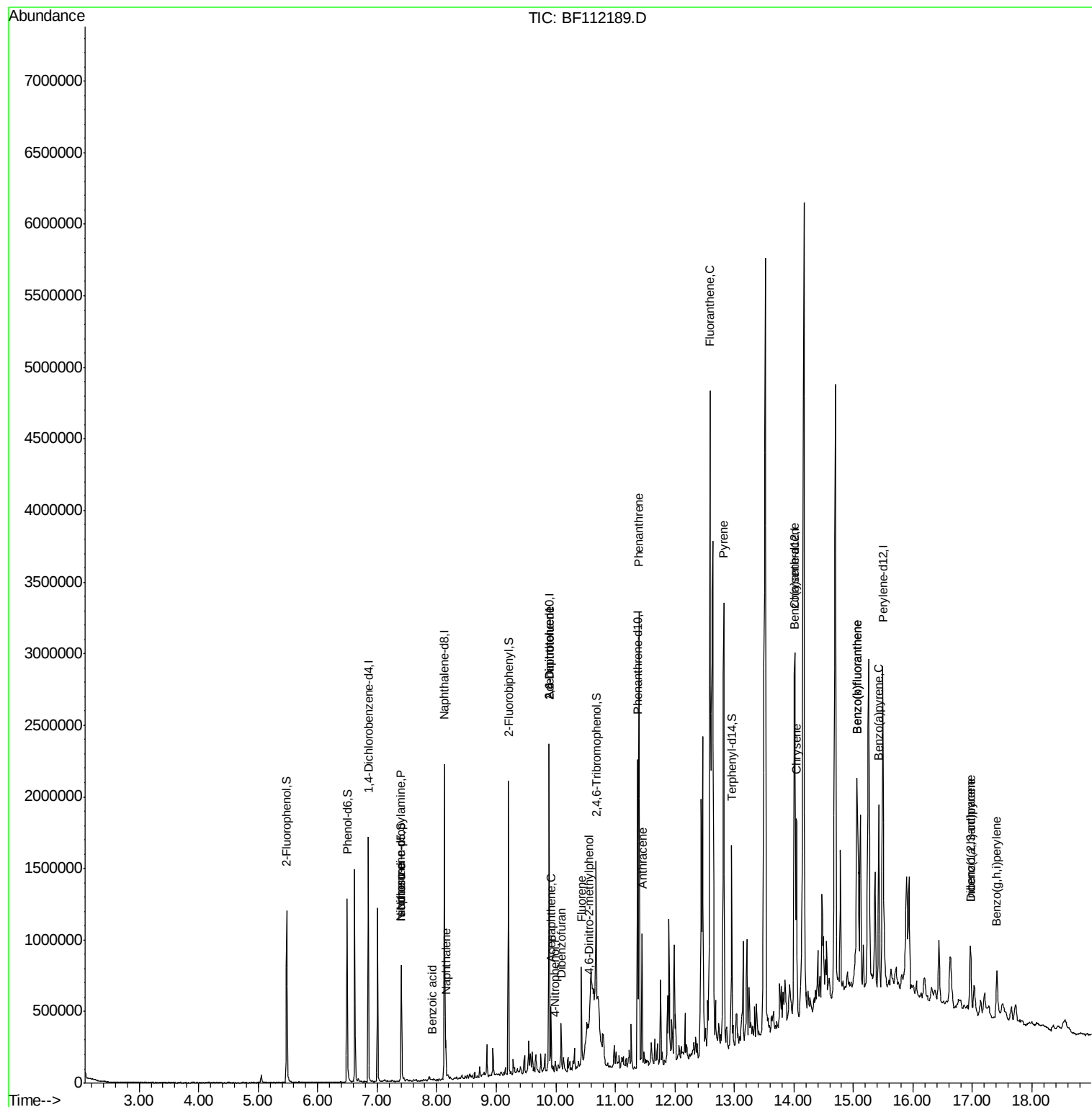
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	1008	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.40	70	36932	3.522	ng	# 78
25) Isophorone	7.40	82	260756	9.562	ng	# 64
31) Naphthalene	8.15	128	110951	2.501	ng	# 98
32) Benzoic acid	7.93	122	508	7.264	ng	# 2
51) 2,6-Dinitrotoluene	9.89	165	62375	9.542	ng	# 34
52) Acenaphthene	9.92	154	92909	3.542	ng	# 98
55) Dibenzofuran	10.09	168	99681	2.513	ng	# 98
56) 4-Nitrophenol	9.99	139	2312	6.066	ng	# 41
57) 2,4-Dinitrotoluene	9.89	165	62375	11.305	ng	# 32
58) Fluorene	10.43	166	170493	5.753	ng	# 97
65) 4,6-Dinitro-2-methylphenol	10.56	198	133	10.104	ng	# 1
71) Phenanthrene	11.40	178	1079022	29.128	ng	# 98
72) Anthracene	11.45	178	370919	9.884	ng	# 99
75) Fluoranthene	12.59	202	1363108	34.851	ng	# 98
78) Pyrene	12.82	202	1277905	31.329	ng	# 99
81) Benzo(a)anthracene	14.00	228	686740	19.373	ng	# 99
83) Chrysene	14.04	228	591435	17.632	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.97	276	291453	9.418	ng	# 93
88) Benzo(b)fluoranthene	15.06	252	1065433	30.549	ng	# 99
89) Benzo(k)fluoranthene	15.06	252	1065433	31.564	ng	# 99
90) Benzo(a)pyrene	15.43	252	598089	18.700	ng	# 98
91) Dibenzo(a,h)anthracene	16.97	278	81067	2.854	ng	# 88
92) Benzo(g,h,i)perylene	17.42	276	264933	9.467	ng	# 96

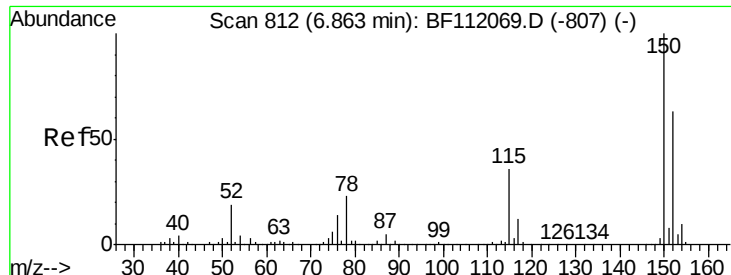
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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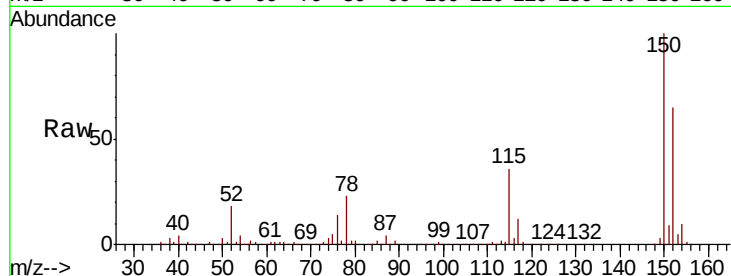


#1

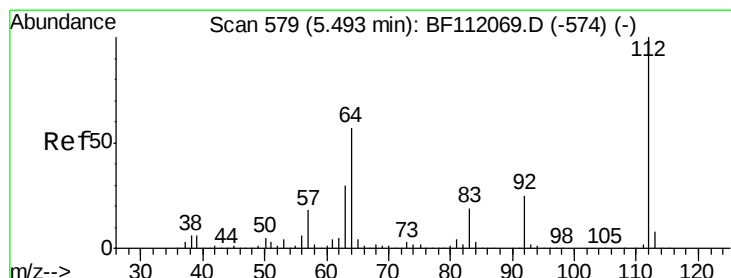
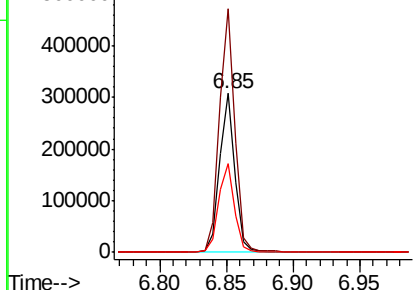
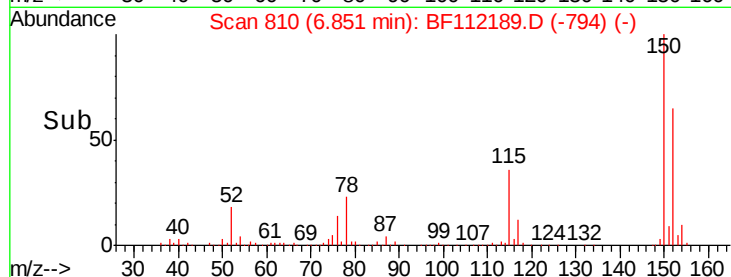
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion:152 Resp: 249681
Ion Ratio Lower Upper
152 100
150 153.4 127.4 191.0
115 55.6 45.5 68.3



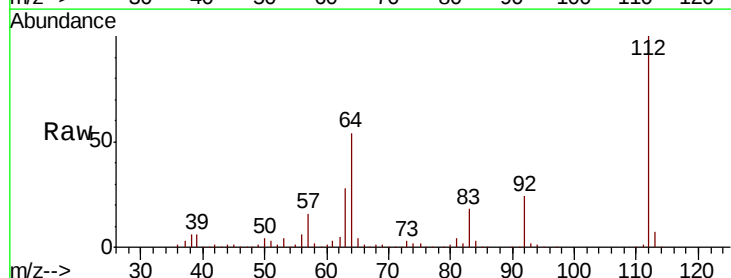
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



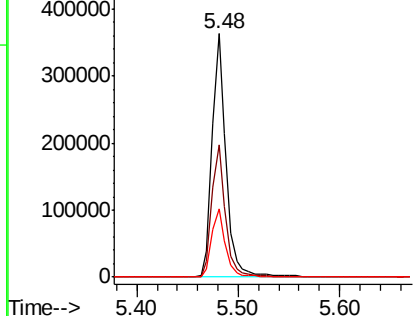
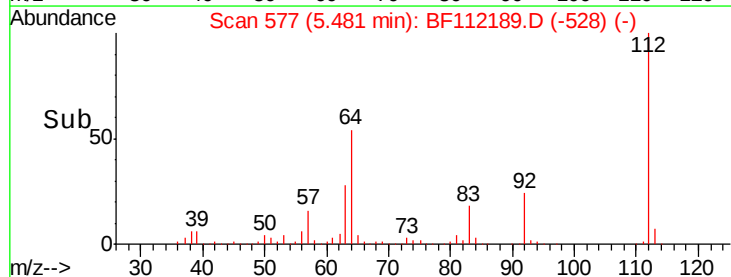
#5

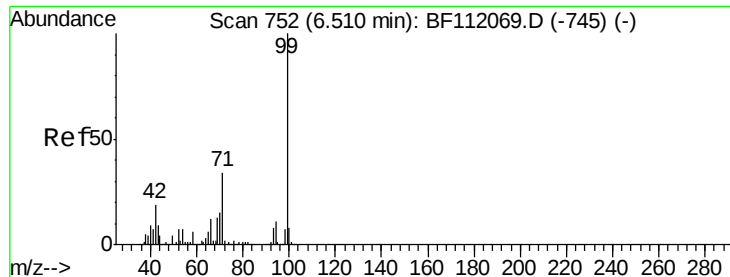
2-Fluorophenol
Concen: 25.393 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

Tgt Ion:112 Resp: 349307
Ion Ratio Lower Upper
112 100
64 54.4 45.7 68.5
63 28.0 23.6 35.4



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: 25.281 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-A

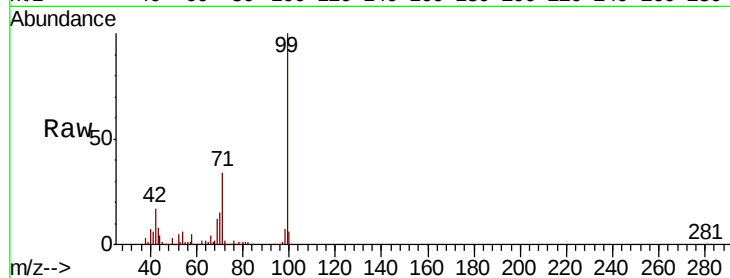
Tot Ion: 99 Resp: 435117

Ion Ratio Lower Upper

99 100

42 17.3 15.1 22.7

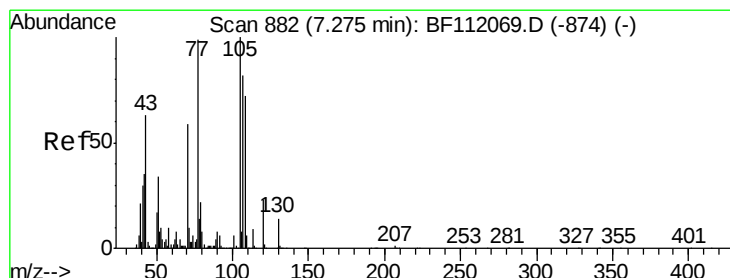
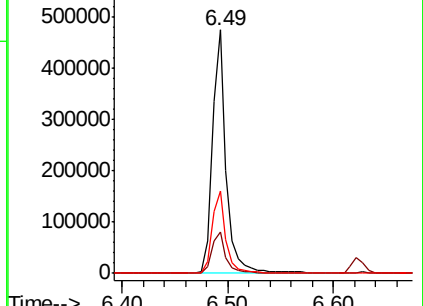
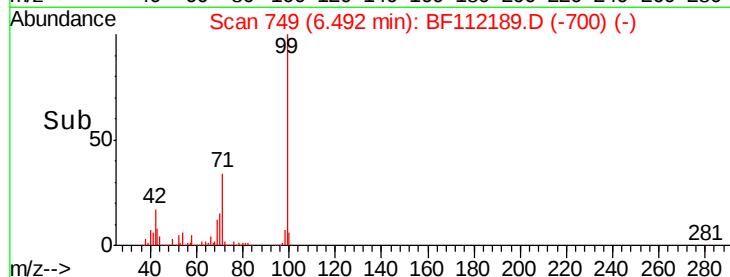
71 33.6 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.522 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.13 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

Tgt Ion: 70 Resp: 36932

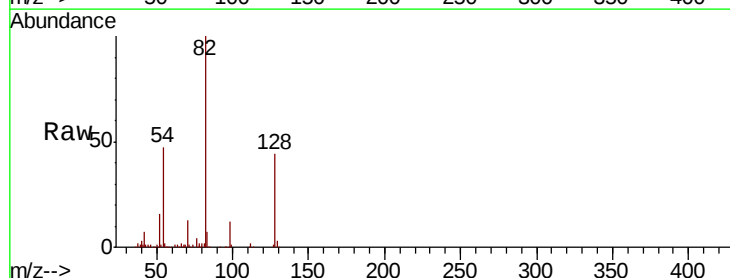
Ion Ratio Lower Upper

70 100

42 49.1 47.6 71.4

101 0.0 7.9 11.9#

130 2.4 18.4 27.6#

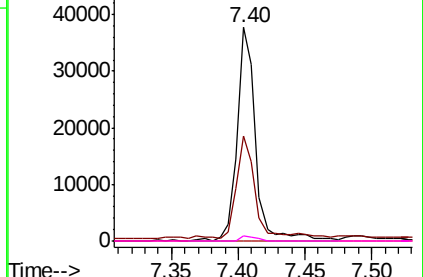
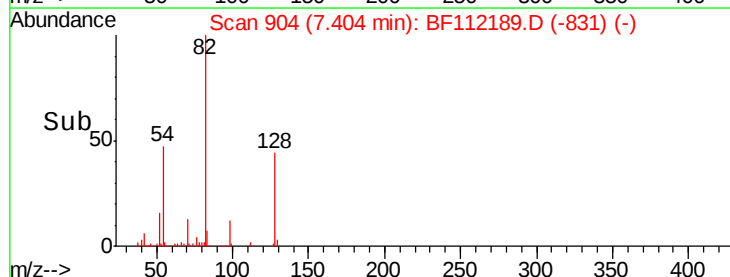


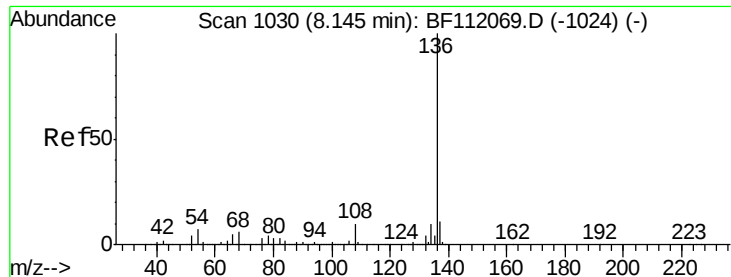
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-A

Tot Ion:136 Resp: 975421

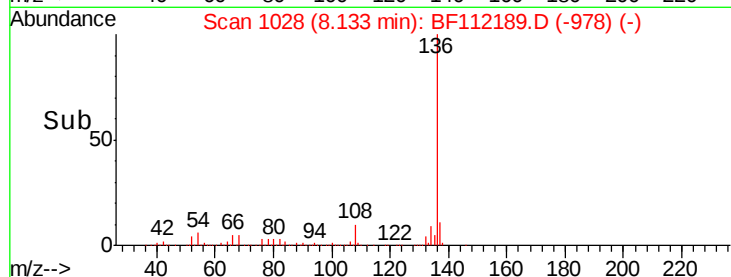
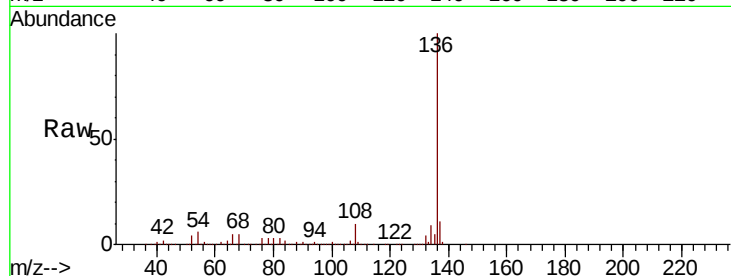
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.1 5.9 8.9

68 5.0 5.1 7.7#

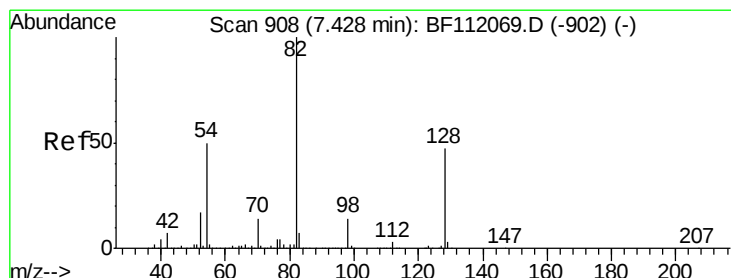
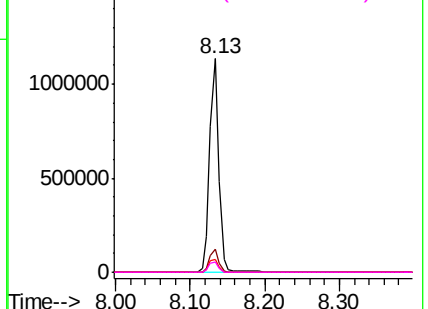


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 18.964 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

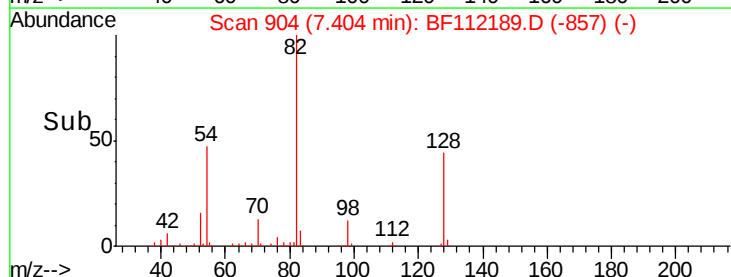
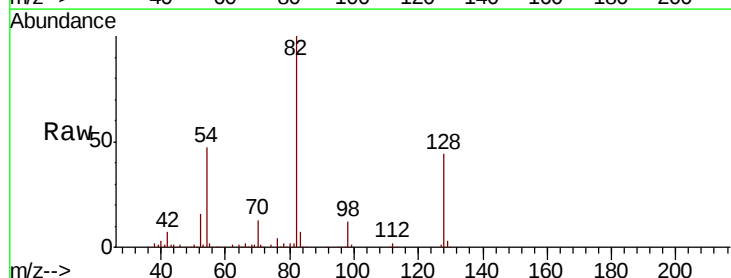
Tgt Ion: 82 Resp: 267745

Ion Ratio Lower Upper

82 100

128 43.6 37.8 56.8

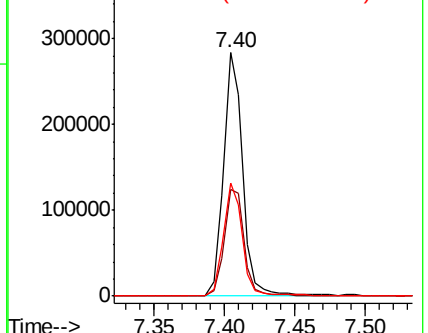
54 46.5 39.7 59.5

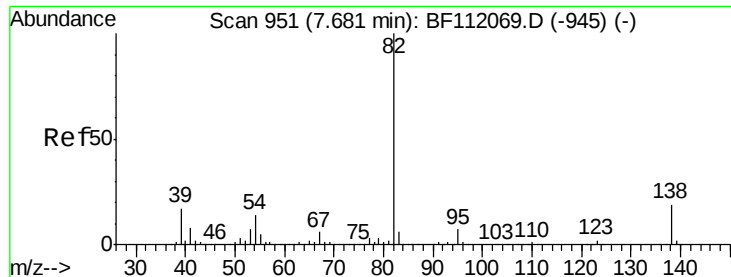


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 9.562 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.28 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

Instrument :

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ClientSampleId :

PL-01-011819-A

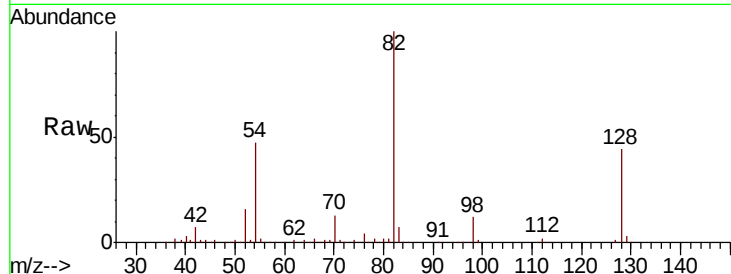
Tot Ion: 82 Resp: 260756

Ion Ratio Lower Upper

82 100

95 0.2 5.7 8.5#

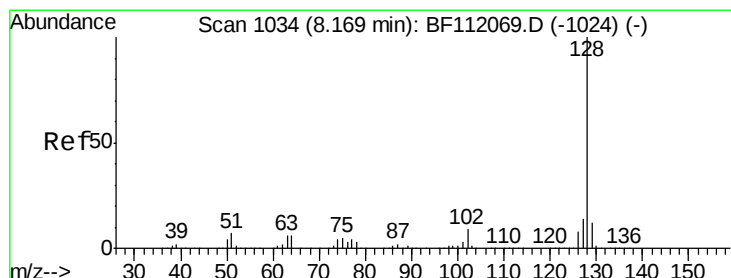
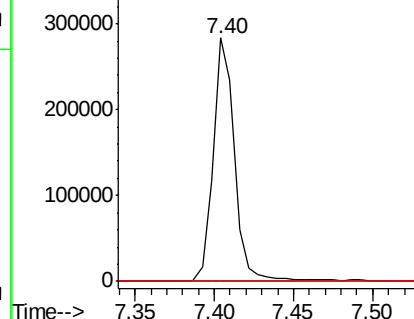
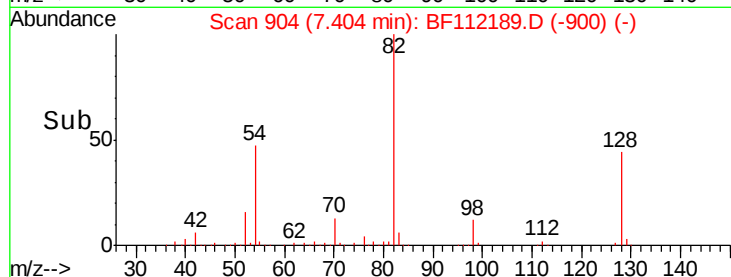
138 0.0 15.4 23.0#



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



#31

Naphthalene

Concen: 2.501 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

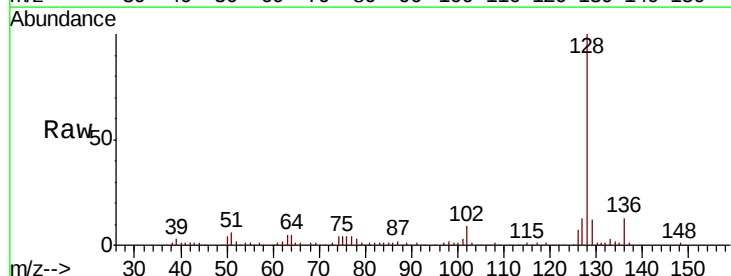
Tgt Ion: 128 Resp: 110951

Ion Ratio Lower Upper

128 100

129 11.5 9.6 14.4

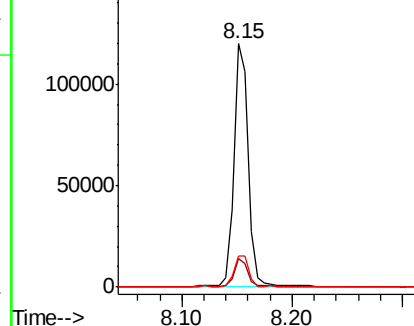
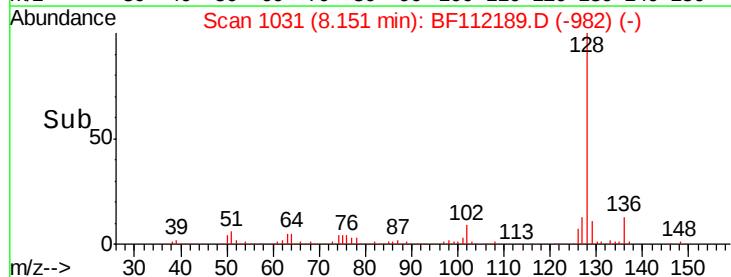
127 12.9 11.1 16.7

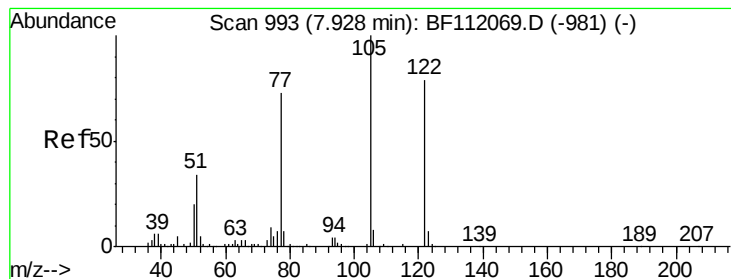


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.264 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

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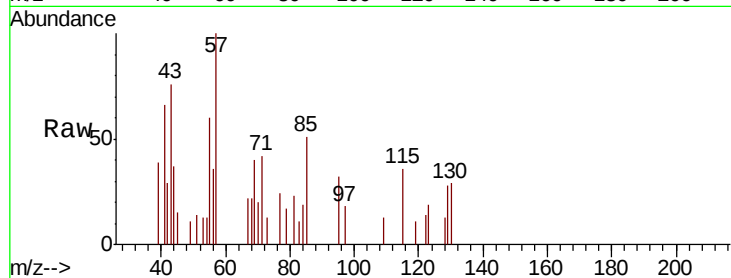
Tot Ion:122 Resp: 508

Ion Ratio Lower Upper

122 100

105 0.0 101.2 141.2#

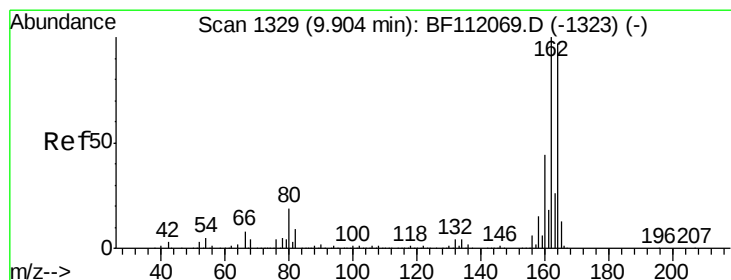
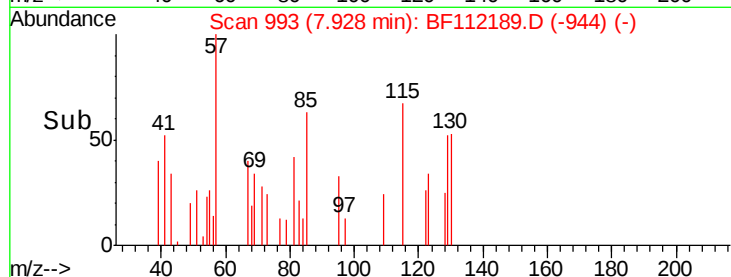
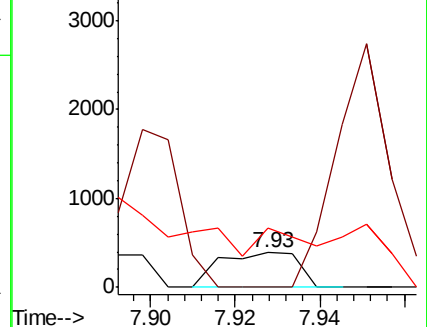
77 169.6 70.4 110.4#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

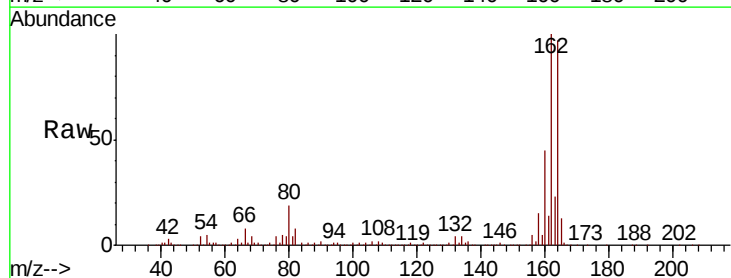
Tgt Ion:164 Resp: 448844

Ion Ratio Lower Upper

164 100

162 102.9 82.2 123.4

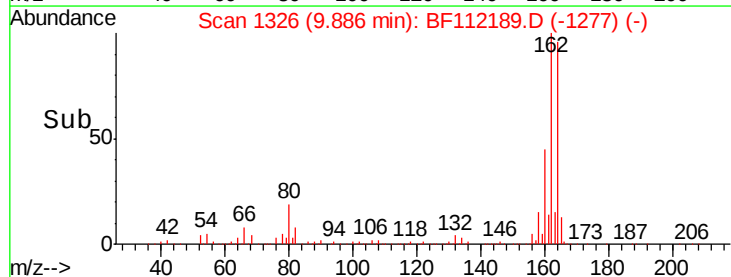
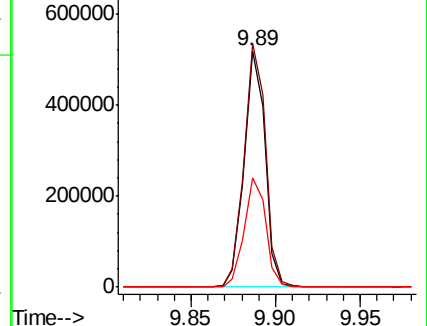
160 46.1 36.2 54.4

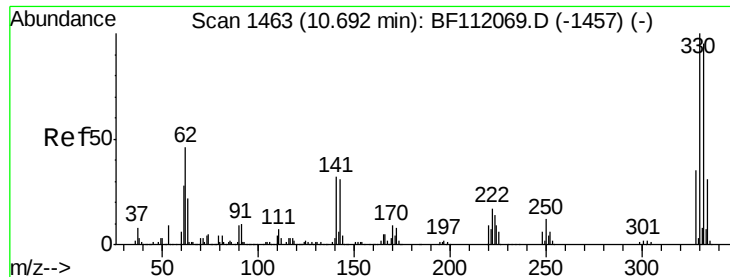


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

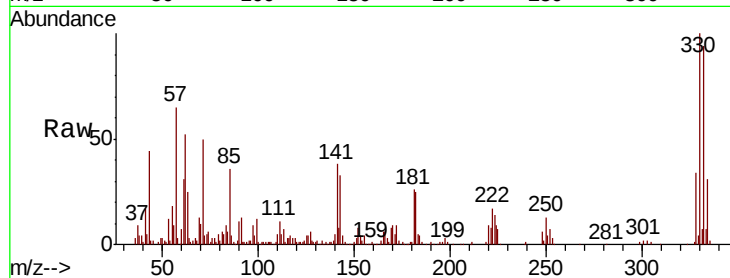




#42
 2,4,6-Tribromophenol
 Concen: 23.709 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.02 min
 Lab File: BF112189.D
 Acq: 22 Jan 2019 13:20

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.6	76.6	114.8
141	28.1	24.3	36.5

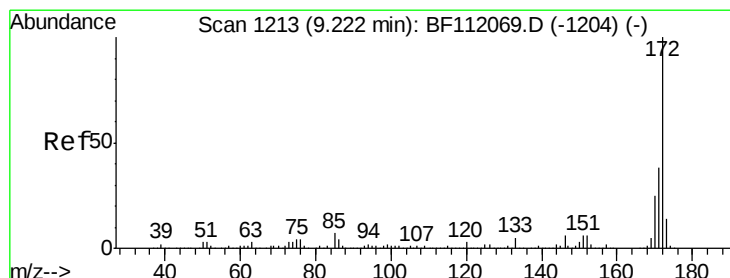
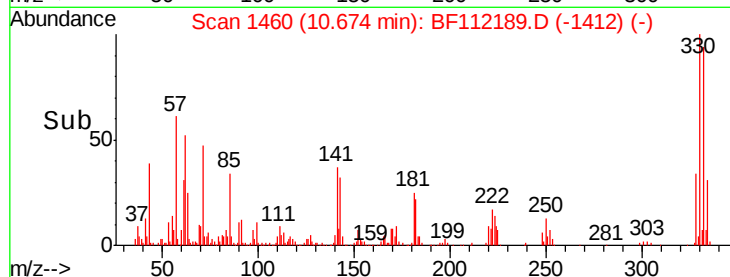
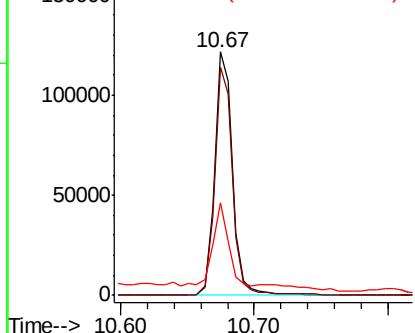


Abundance

Ion 329.80 (329.50 to 330.50): E

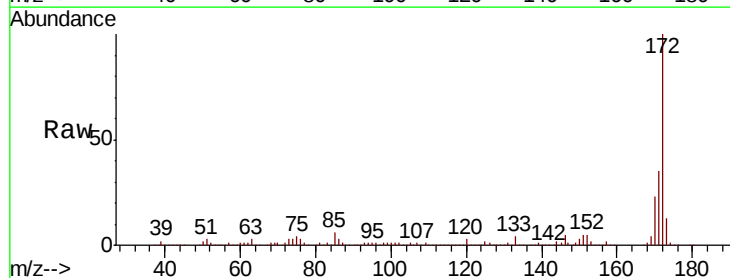
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 19.019 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF112189.D
 Acq: 22 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.5	45.7
170	23.2	20.2	30.4

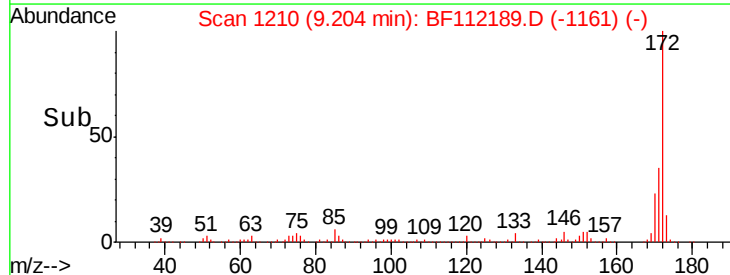
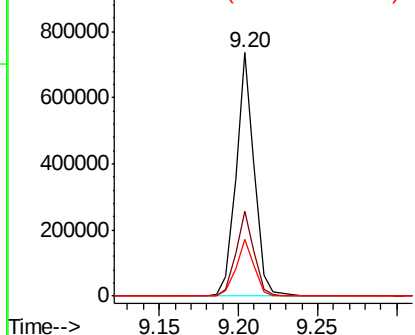


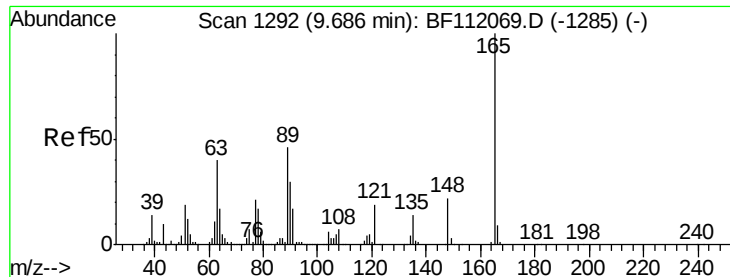
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

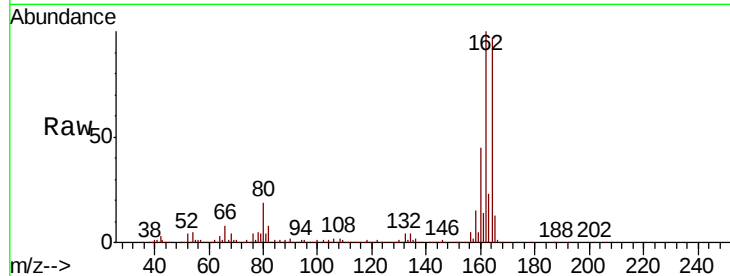




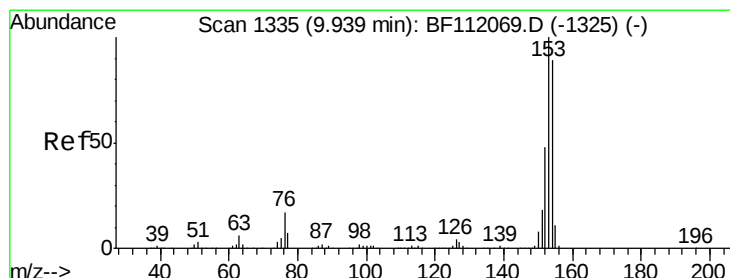
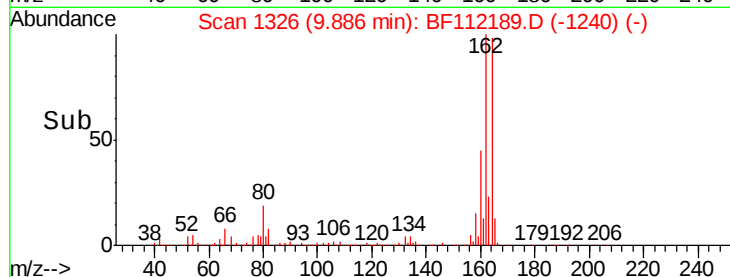
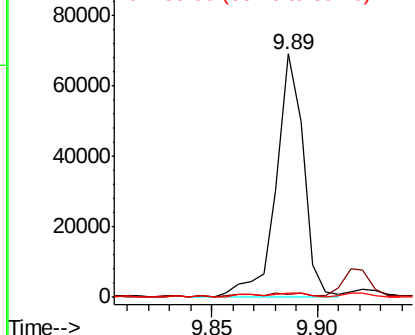
#51
 2,6-Dinitrotoluene
 Concen: 9.542 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF112189.D
 Acq: 22 Jan 2019 13:20

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-A

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.8	50.8#
89	1.5	36.9	55.3#

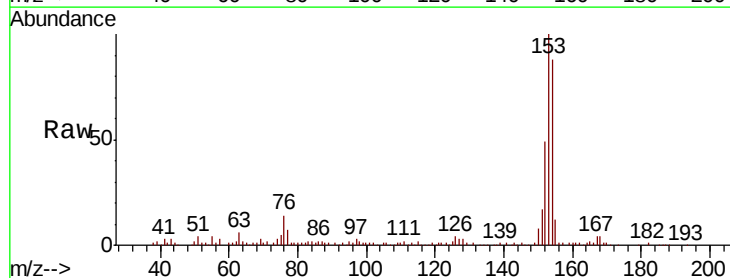


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

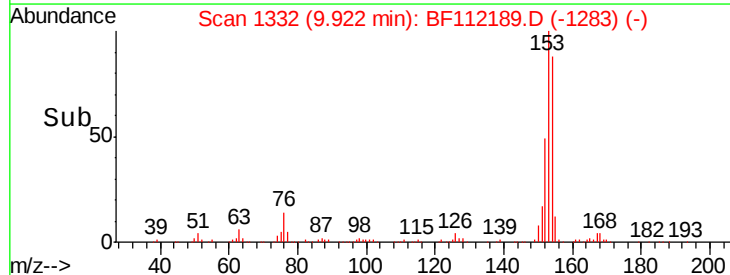
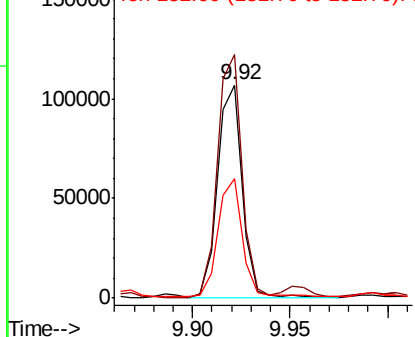


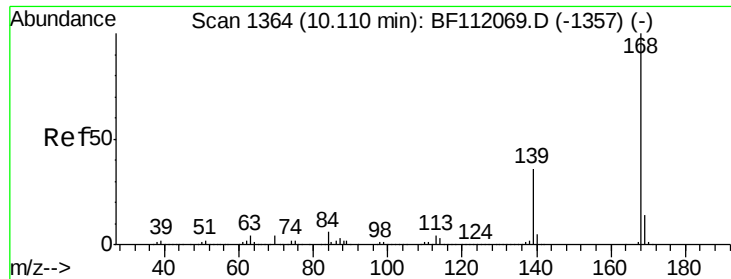
#52
 Acenaphthene
 Concen: 3.542 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF112189.D
 Acq: 22 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.2	89.8	134.6
152	56.2	43.5	65.3



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: 2.513 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-A

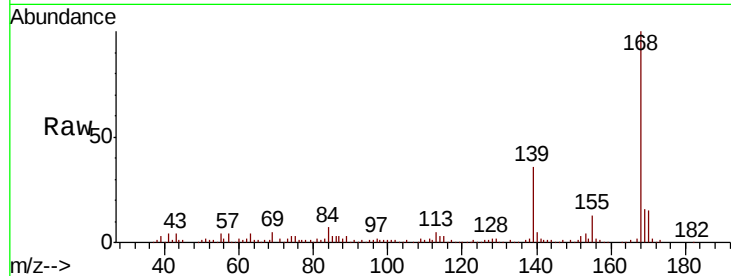
Tot Ion:168 Resp: 99681

Ion Ratio Lower Upper

168 100

139 35.9 29.2 43.8

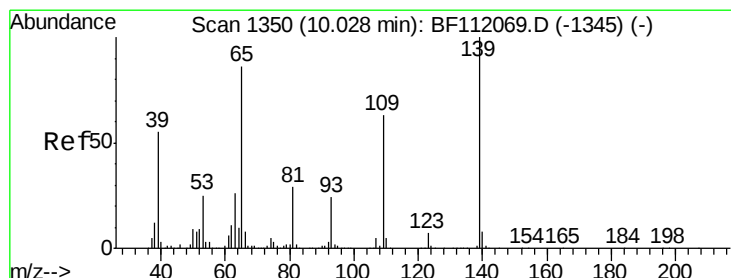
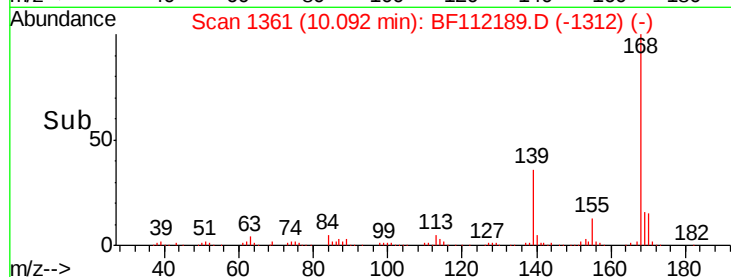
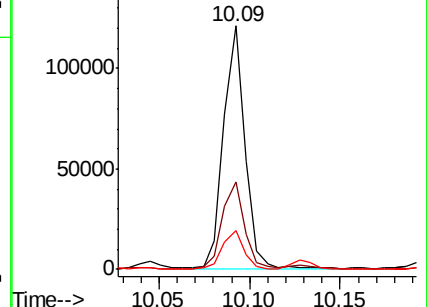
169 16.1 11.4 17.0



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: 6.066 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.04 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

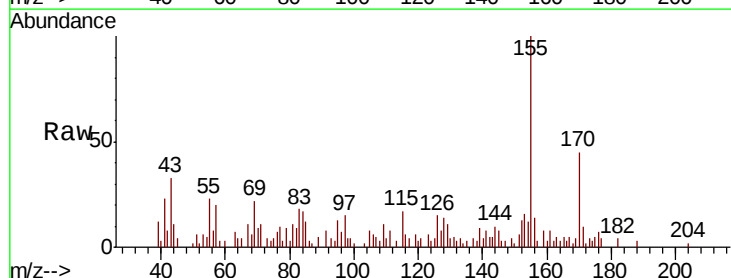
Tgt Ion:139 Resp: 2312

Ion Ratio Lower Upper

139 100

109 121.7 42.8 82.8#

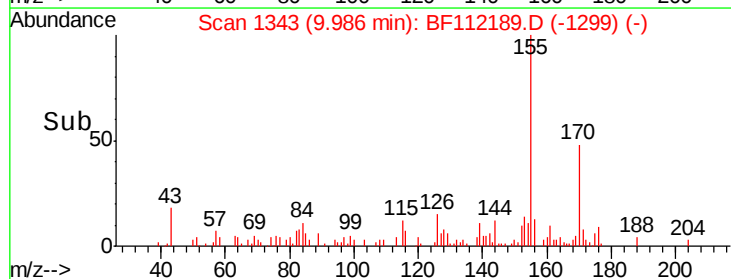
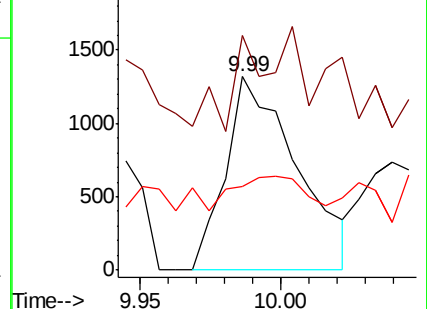
65 43.6 66.1 106.1#

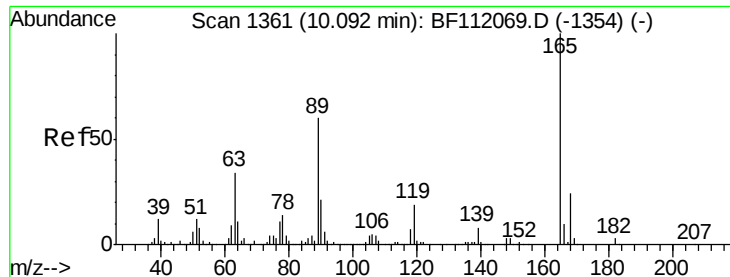


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 11.305 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.20 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-A

Tot Ion:165 Resp: 62375

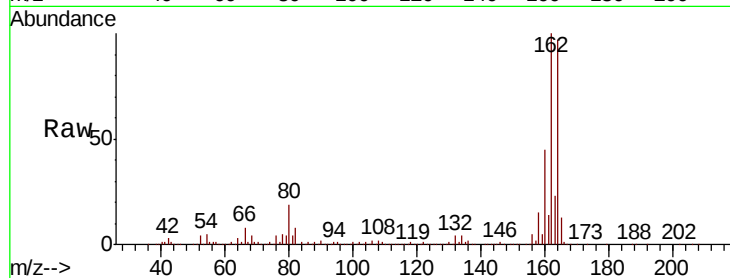
Ion Ratio Lower Upper

165 100

63 1.5 27.9 41.9#

89 1.5 47.9 71.9#

182 0.0 2.2 3.4#

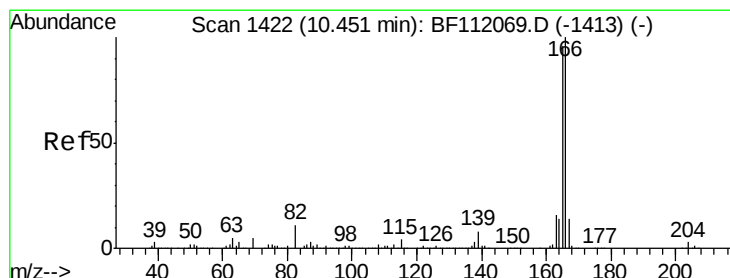
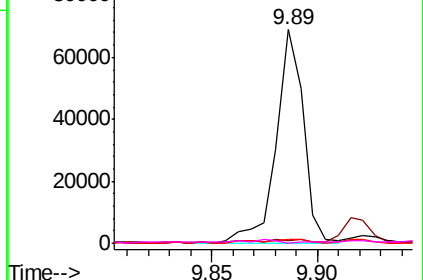
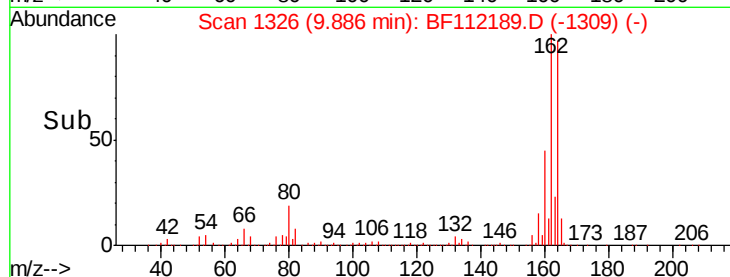


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 5.753 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

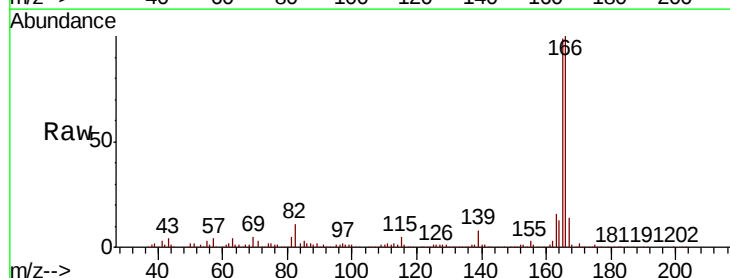
Tgt Ion:166 Resp: 170493

Ion Ratio Lower Upper

166 100

165 99.2 77.1 115.7

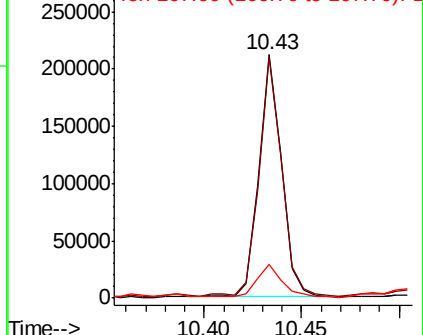
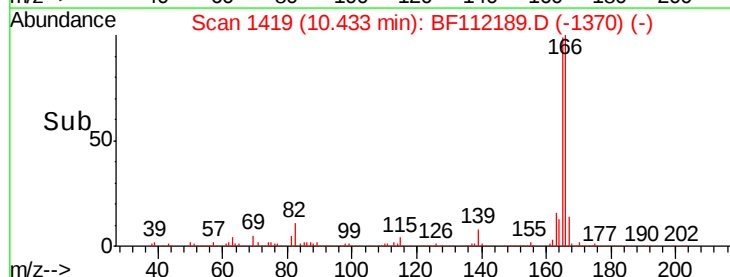
167 14.1 11.3 16.9

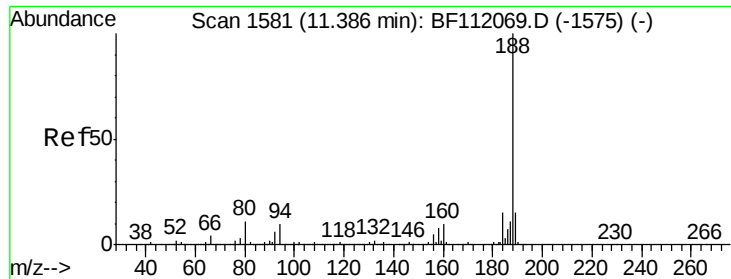


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

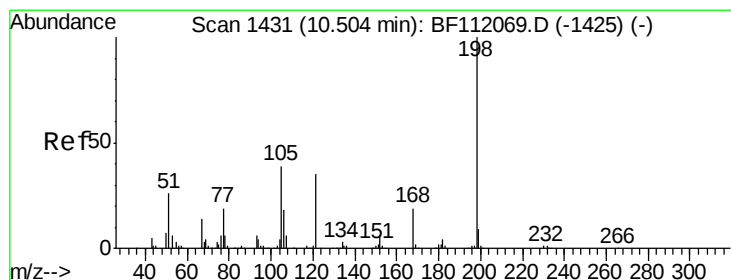
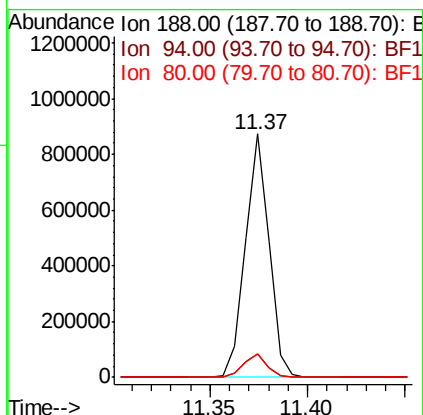
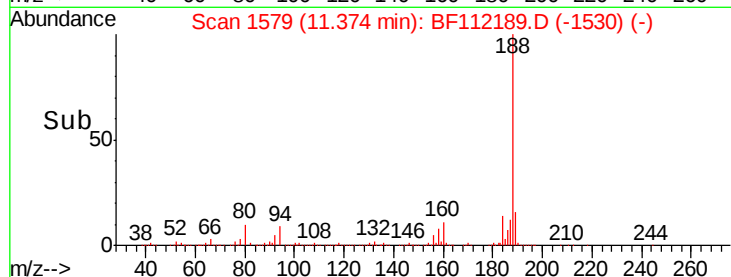
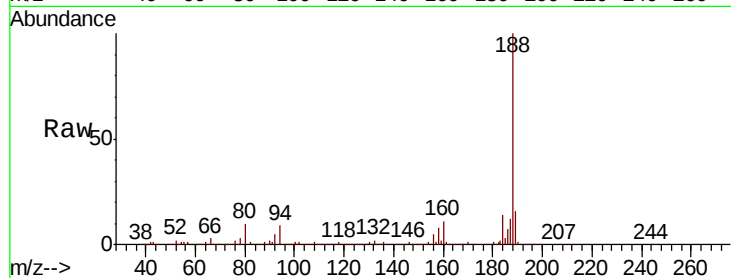




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

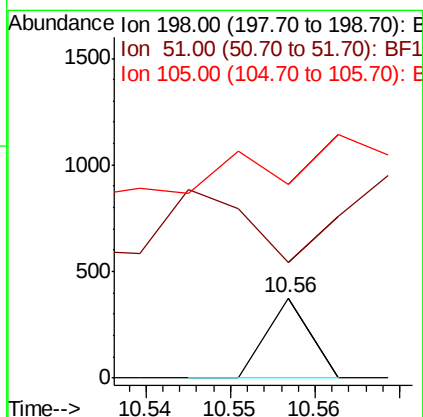
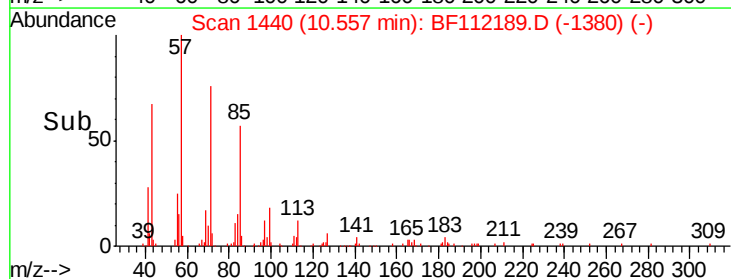
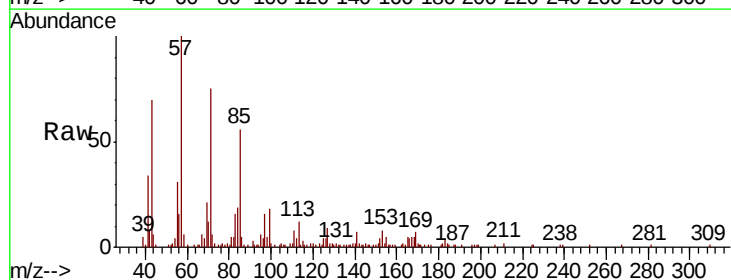
Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

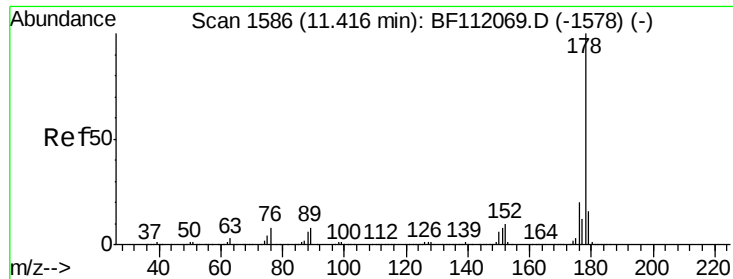
Tot Ion:188 Resp: 736088
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.2
80 9.8 8.9 13.3



#65
4,6-Dinitro-2-methylphenol
Concen: 10.104 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.05 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

Tgt Ion:198 Resp: 133
Ion Ratio Lower Upper
198 100
51 144.4 17.2 57.2#
105 242.3 21.9 61.9#

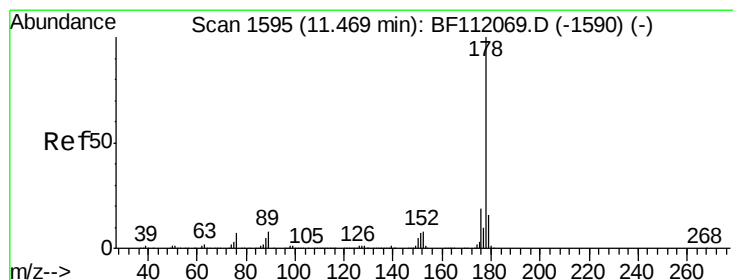
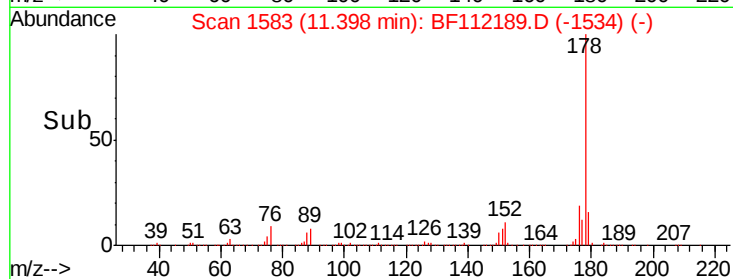
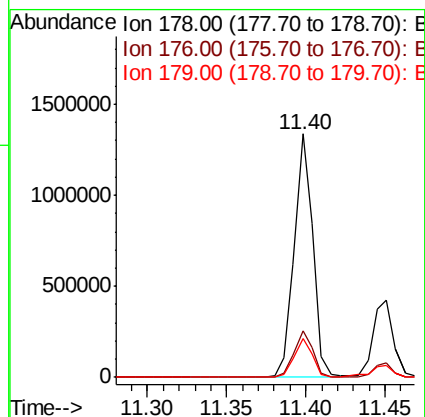
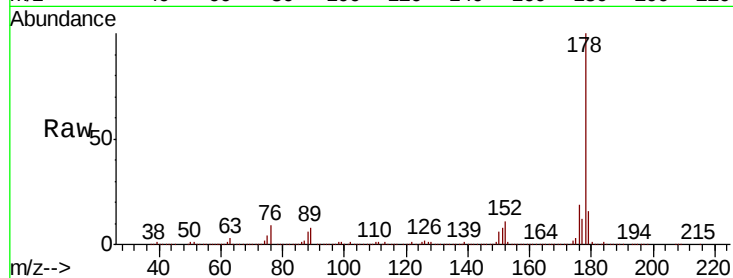




#71
Phenanthrene
Concen: 29.128 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

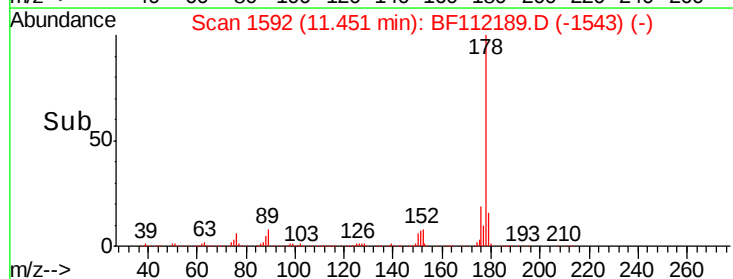
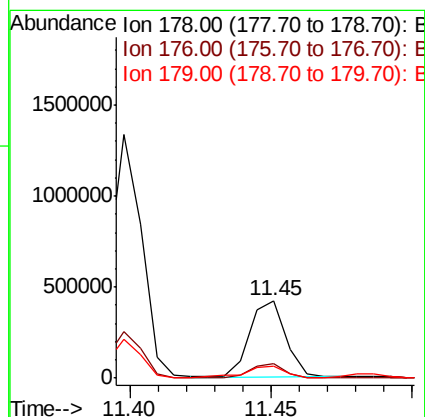
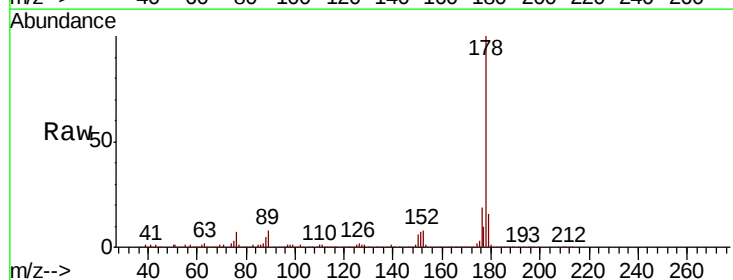
Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

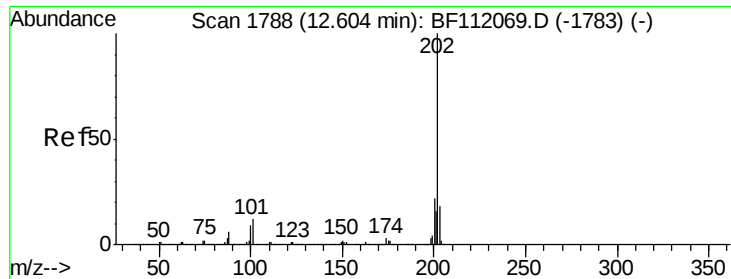
Tot Ion:178 Resp: 1079022
Ion Ratio Lower Upper
178 100
176 19.3 16.3 24.5
179 15.8 13.0 19.4



#72
Anthracene
Concen: 9.884 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

Tgt Ion:178 Resp: 370919
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.9 12.8 19.2





#75

Fluoranthene

Concen: 34.851 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-A

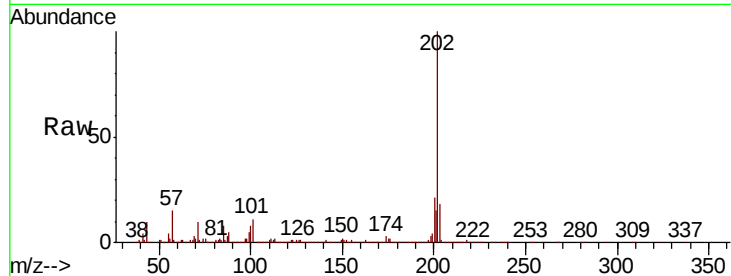
Tot Ion:202 Resp: 1363108

Ion Ratio Lower Upper

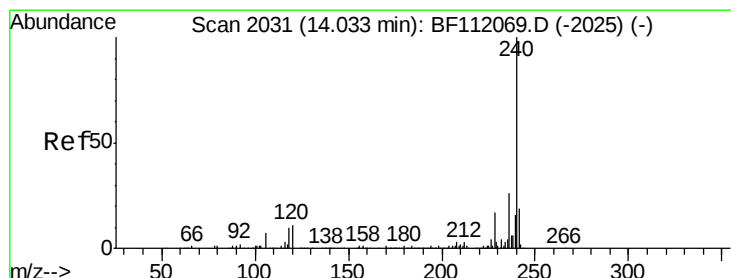
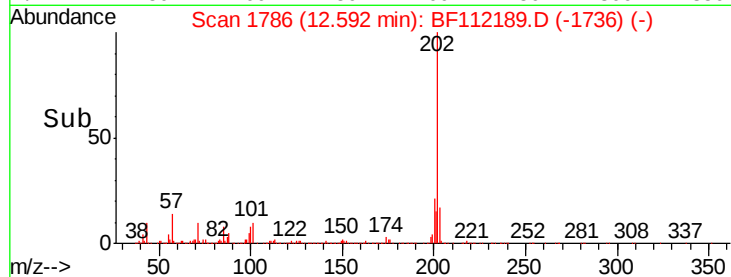
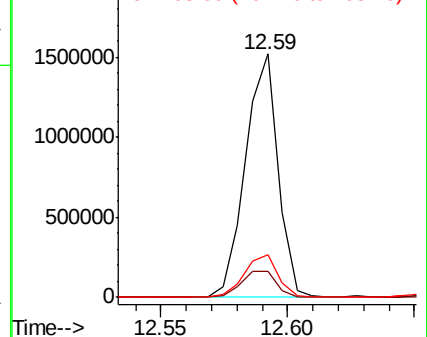
202 100

101 10.5 0.0 31.8

203 17.5 0.0 38.4



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: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

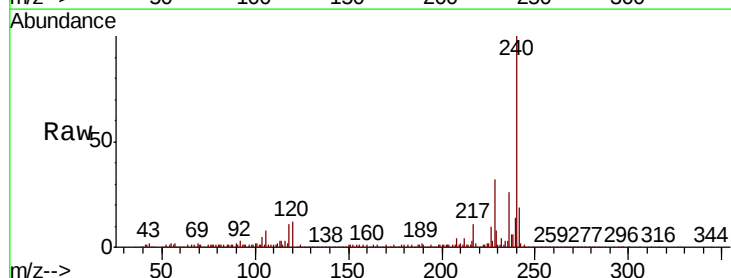
Tgt Ion:240 Resp: 618260

Ion Ratio Lower Upper

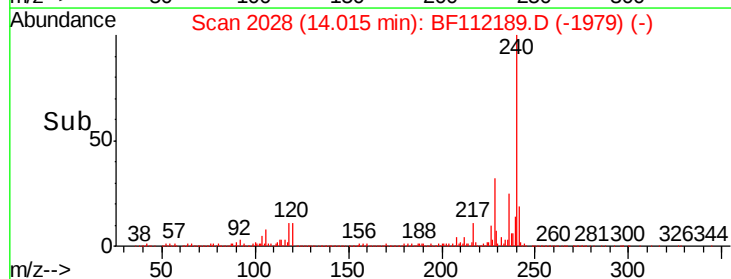
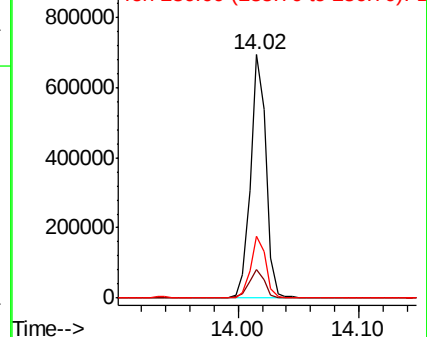
240 100

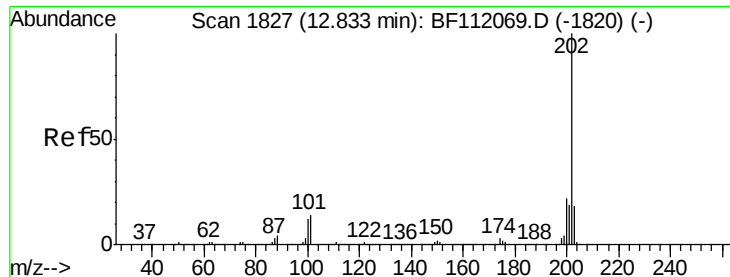
120 11.6 9.0 13.6

236 25.5 20.7 31.1



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

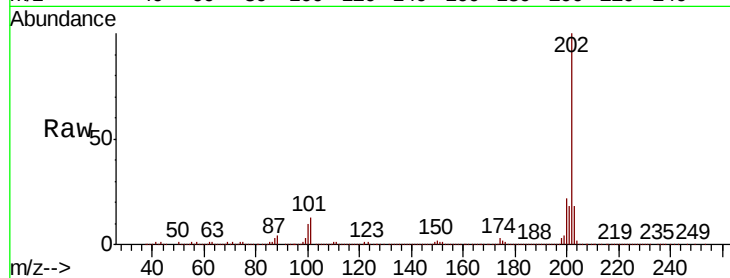




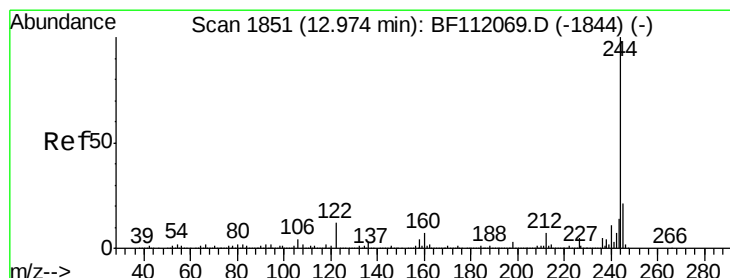
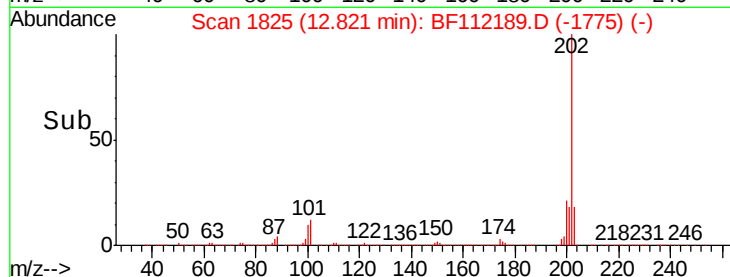
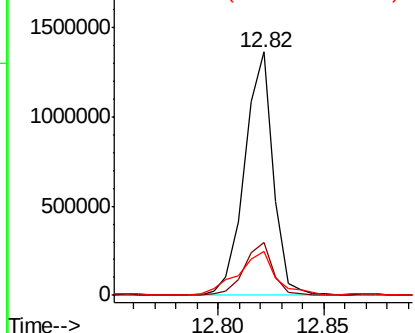
#78
Pvrene
Concen: 31.329 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion:202 Resp: 1277905
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 18.3 14.6 22.0

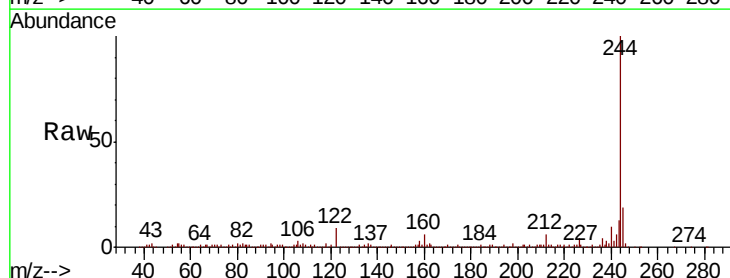


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

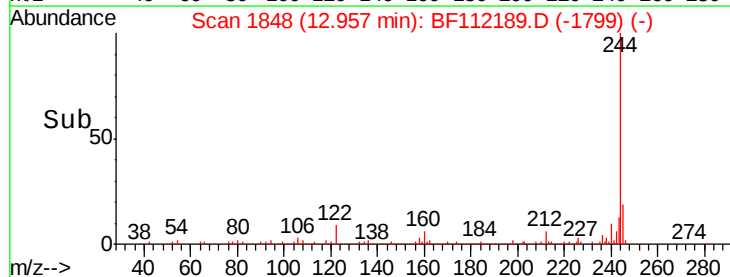
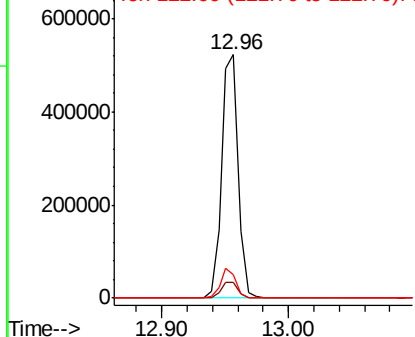


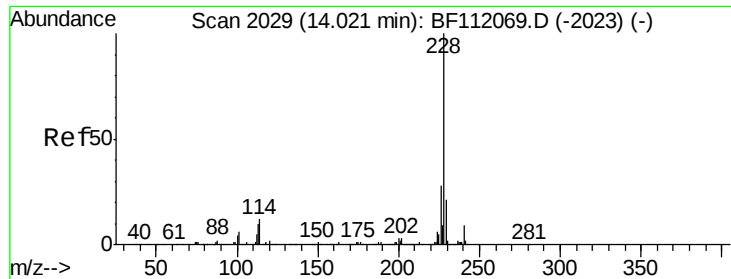
#79
Terphenyl-d14
Concen: 16.359 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

Tgt Ion:244 Resp: 475413
Ion Ratio Lower Upper
244 100
212 6.2 5.9 8.9
122 9.5 9.8 14.6#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

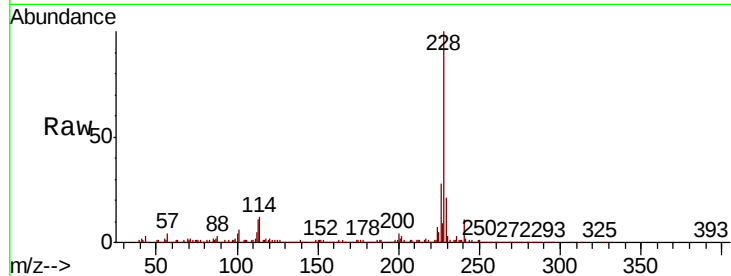




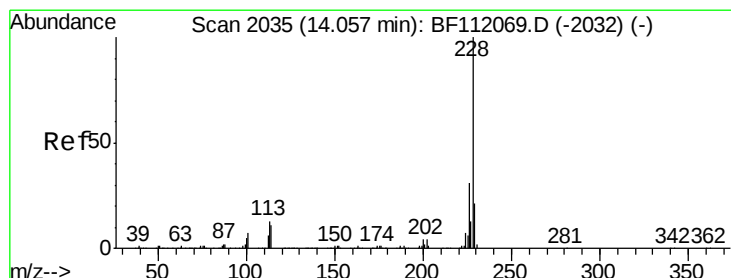
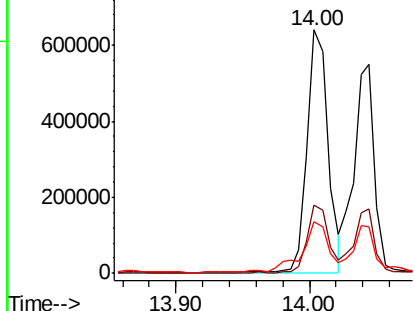
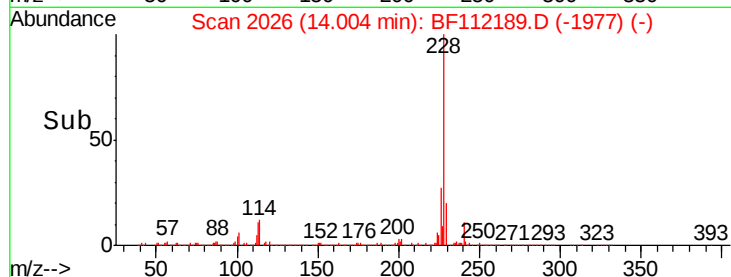
#81
Benzo(a)anthracene
Concen: 19.373 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion:228 Resp: 686740
Ion Ratio Lower Upper
228 100
226 28.0 22.6 34.0
229 21.0 16.5 24.7

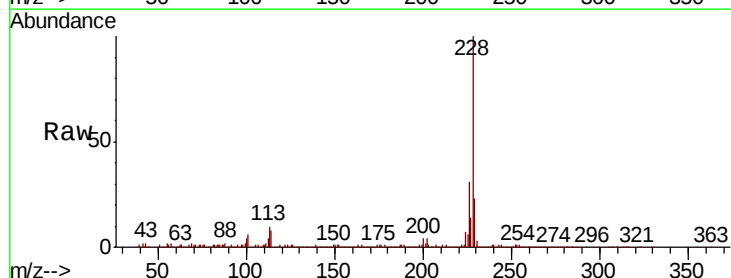


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

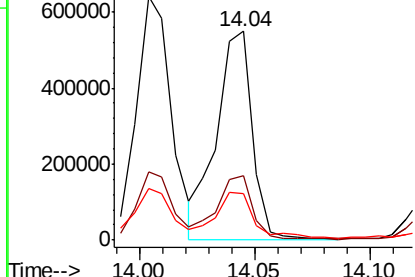
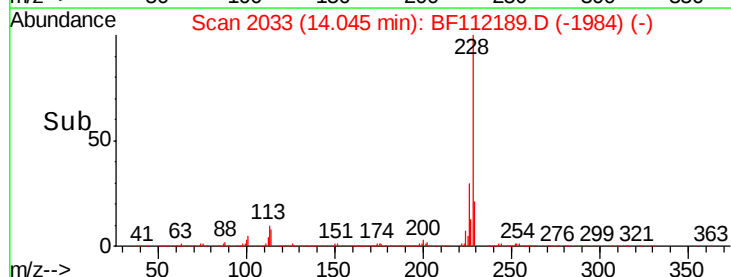


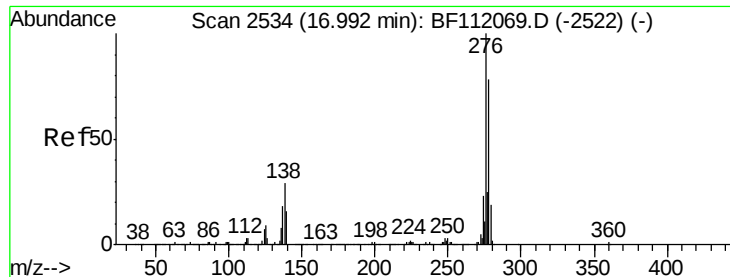
#83
Chrysene
Concen: 17.632 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

Tgt Ion:228 Resp: 591435
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 22.5 16.6 24.8



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

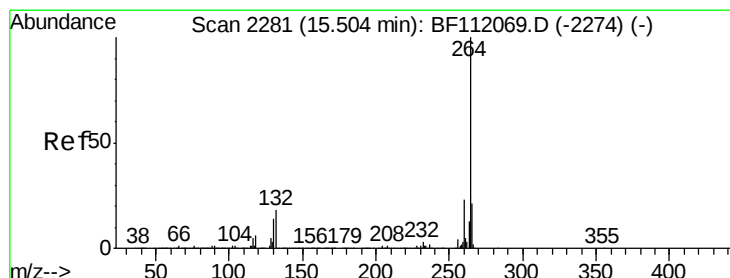
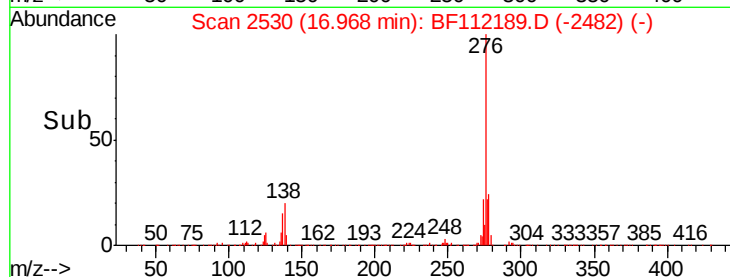
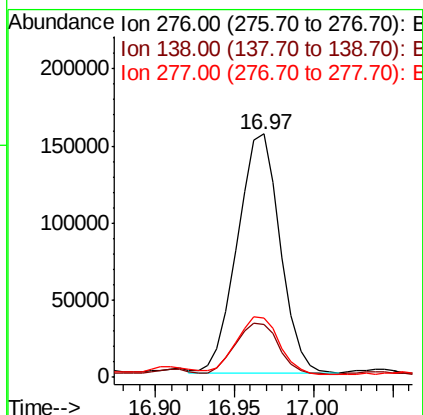
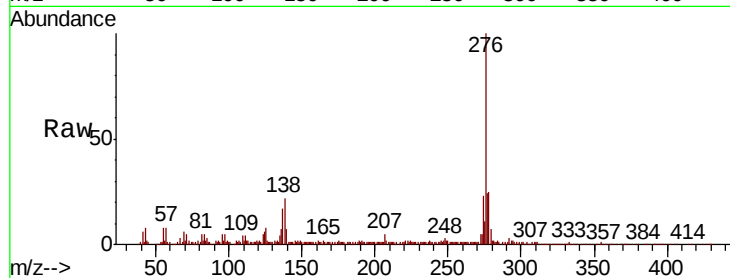




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.418 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.02 min
 Lab File: BF112189.D
 Acq: 22 Jan 2019 13:20

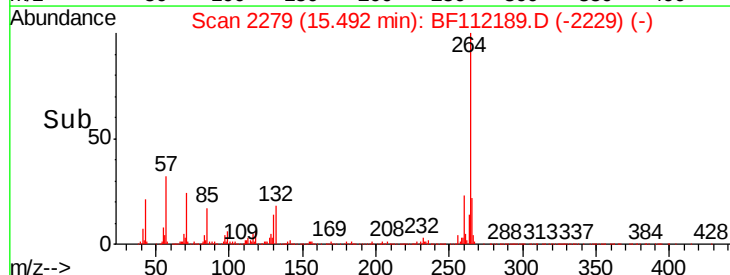
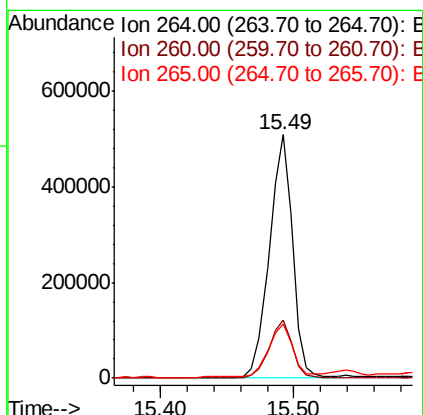
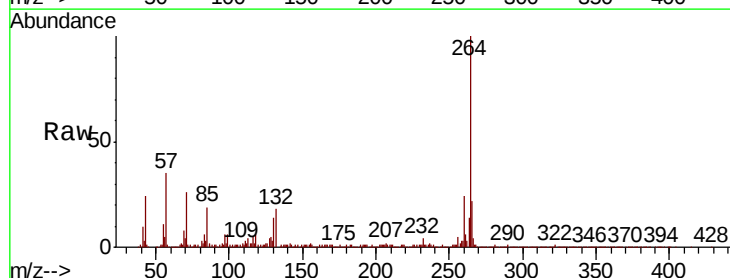
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-A

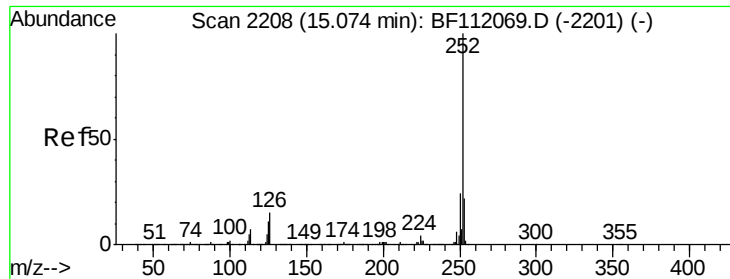
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.6	34.0#
277	24.6	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: BF112189.D
 Acq: 22 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	22.2	17.0	25.4

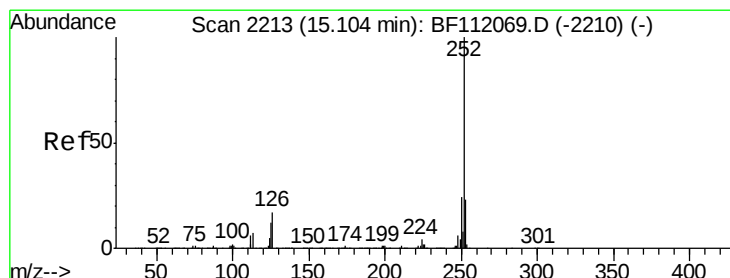
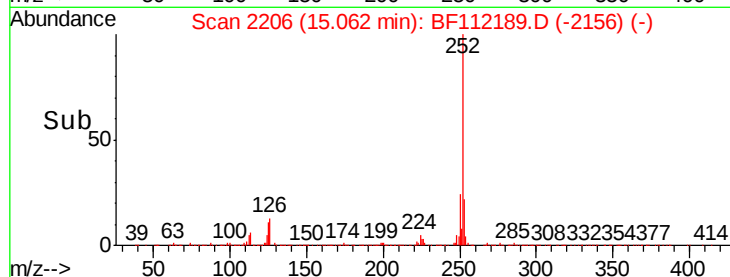
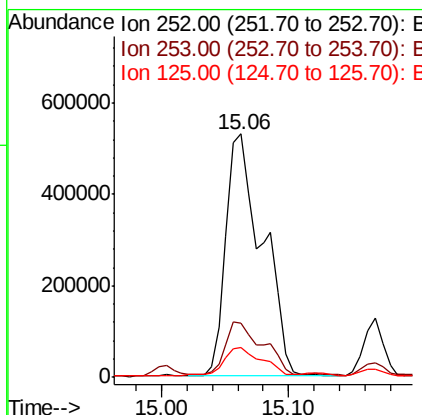
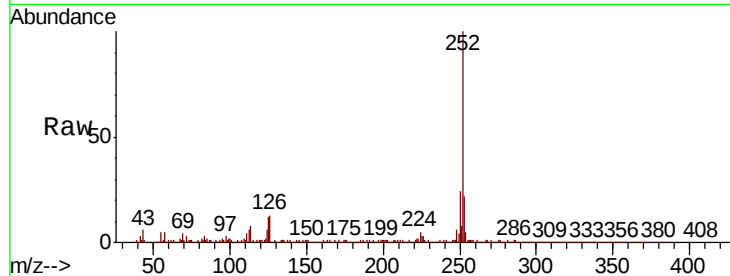




#88
Benzo(b)fluoranthene
Concen: 30.549 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

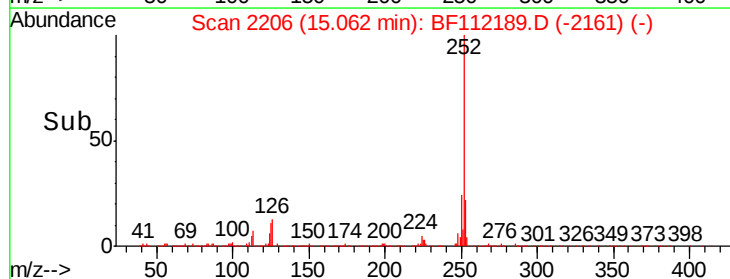
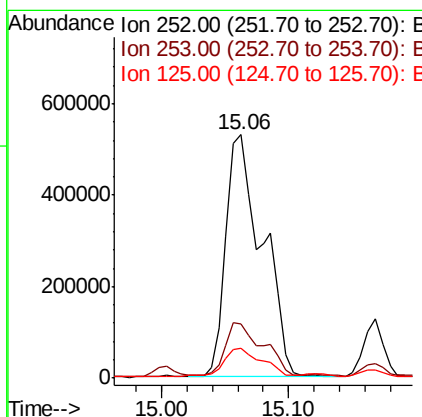
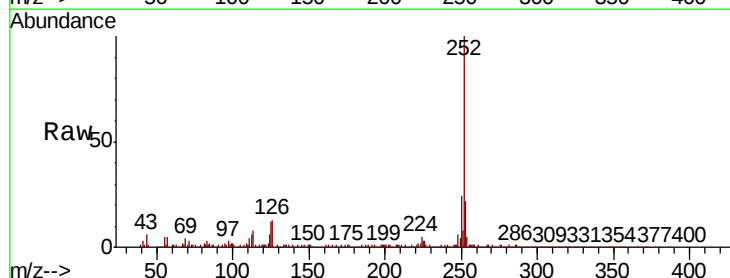
Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

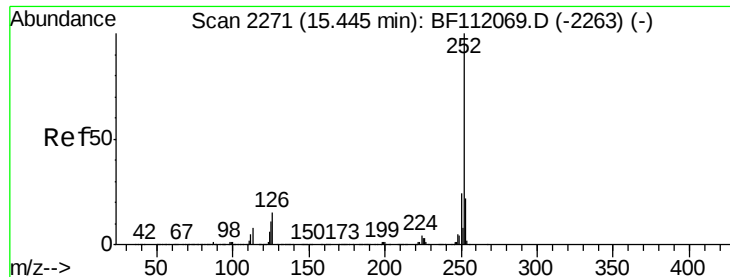
Tot Ion:252 Resp: 1065433
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 12.1 8.7 13.1



#89
Benzo(k)fluoranthene
Concen: 31.564 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF112189.D
Acq: 22 Jan 2019 13:20

Tgt Ion:252 Resp: 1065433
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 12.1 9.1 13.7





#90

Benzo(a)pyrene

Concen: 18.700 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-A

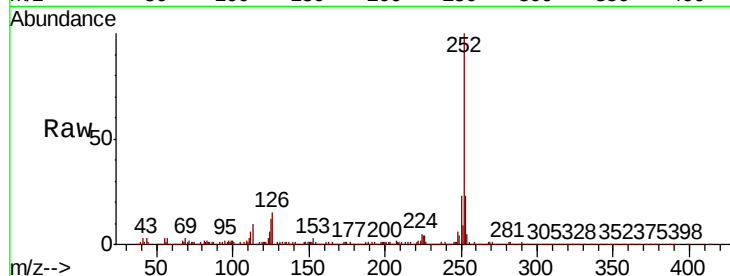
Tot Ion:252 Resp: 598089

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

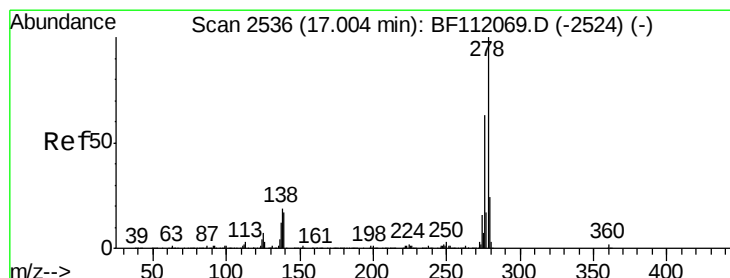
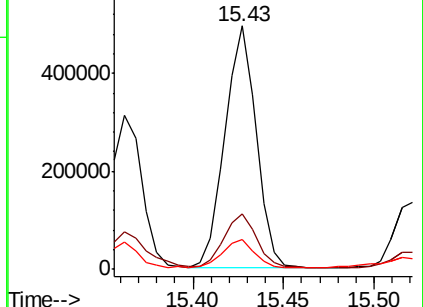
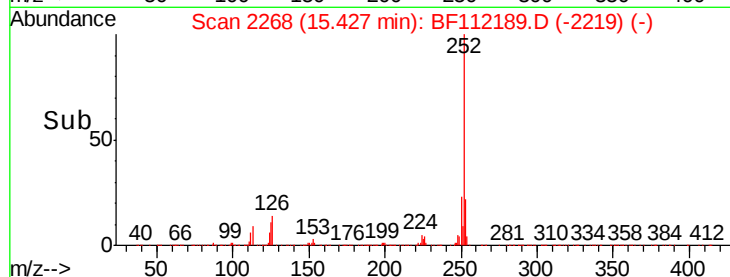
125 12.1 9.0 13.4



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: 2.854 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.03 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

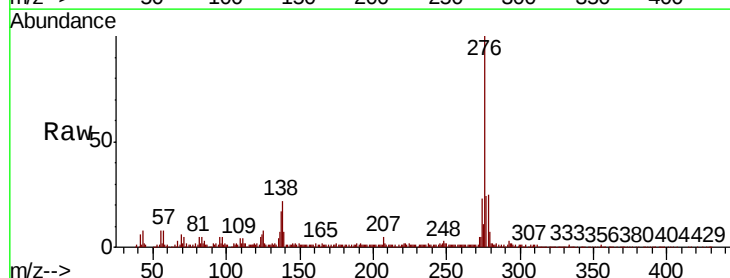
Tgt Ion:278 Resp: 81067

Ion Ratio Lower Upper

278 100

139 25.7 13.7 20.5#

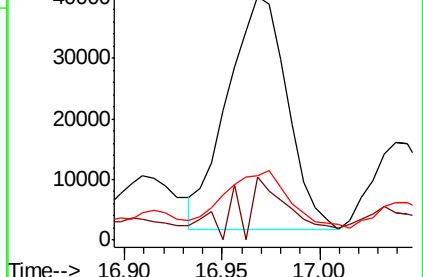
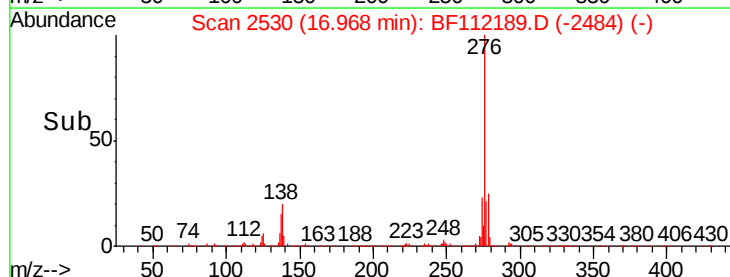
279 26.6 19.0 28.6

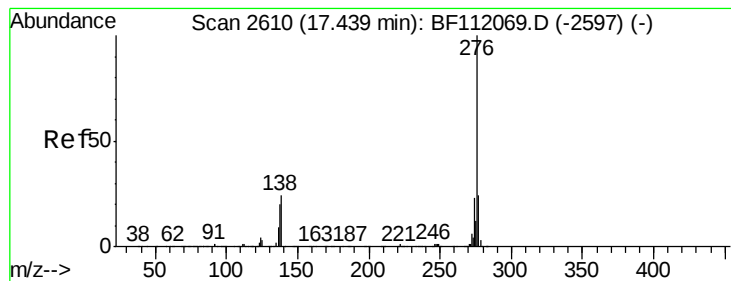


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 9.467 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BF112189.D

Acq: 22 Jan 2019 13:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-A

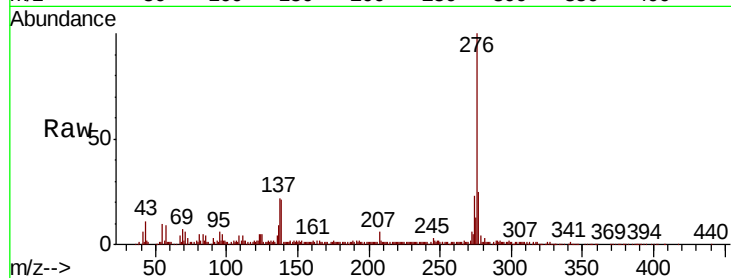
Tot Ion: 276 Resp: 264933

Ion Ratio Lower Upper

276 100

277 25.2 19.4 29.0

138 21.2 19.1 28.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

