

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\NOT REVIEWED DATA\
 Data File : BF112900.D
 Acq On : 7 Mar 2019 00:15
 Operator : JU/SJ
 Sample : K1705-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW004-022719

Quant Time: Mar 07 06:35:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	204494	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	731622	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	303641	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	555205	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	546723	20.00	ng	-0.01
87) Perylene-d12	15.26	264	592301	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1147993	87.33	ng	0.00
7) Phenol-d6	6.37	99	1430580	86.63	ng	0.00
23) Nitrobenzene-d5	7.29	82	861938	70.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	343237	106.48	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1360318	71.09	ng	-0.01
79) Terphenyl-d14	12.82	244	1306289	46.32	ng	-0.01

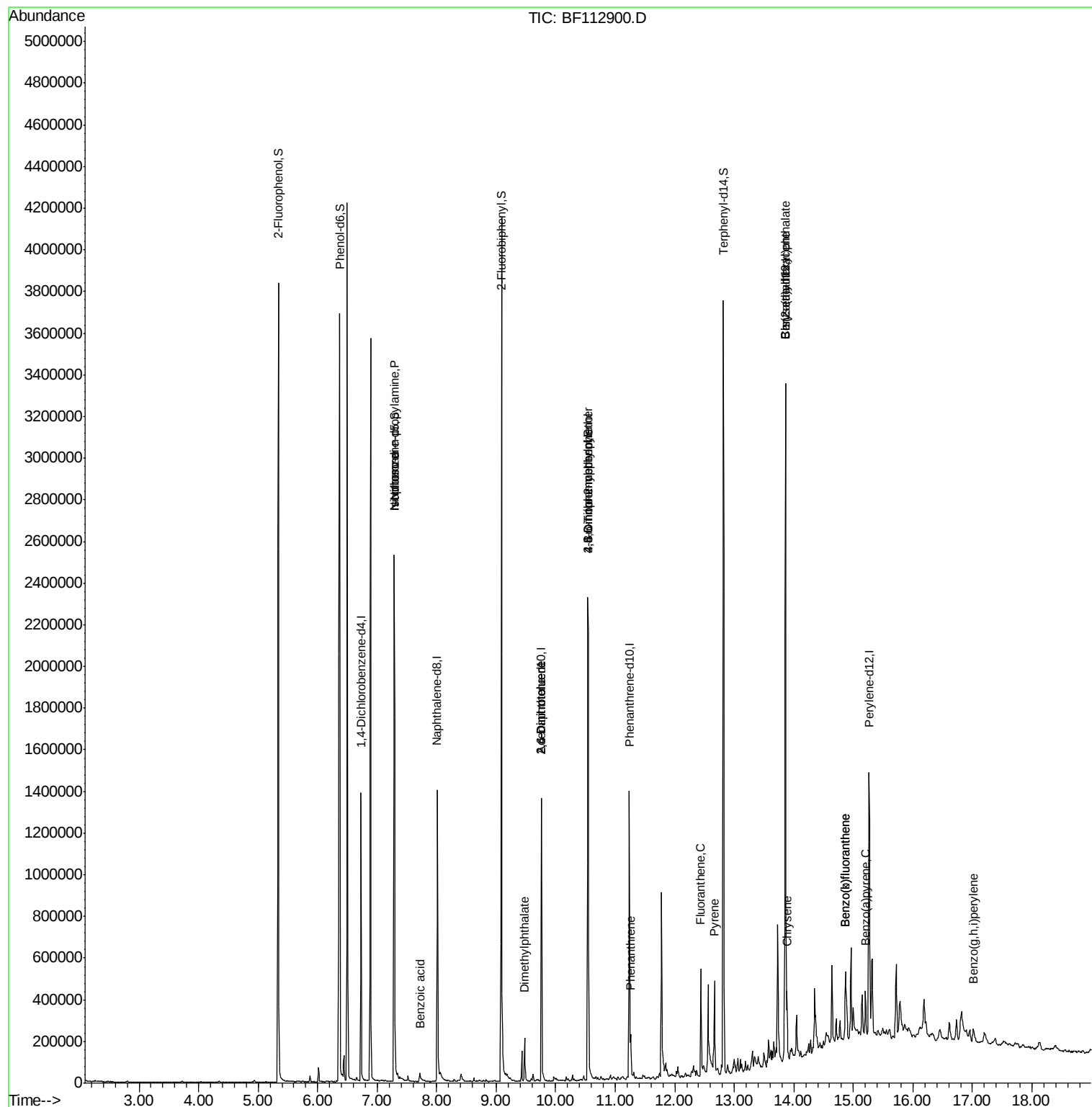
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	111811	10.691	ng	# 76
25) Isophorone	7.29	82	851574	32.329	ng	# 66
32) Benzoic acid	7.72	122	15208	2.059	ng	88
50) Dimethylphthalate	9.48	163	95912	4.284	ng	98
51) 2,6-Dinitrotoluene	9.76	165	39234	8.415	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	39227	6.769	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.54	198	459	4.795	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	19768	3.380	ng	# 1
71) Phenanthrene	11.26	178	62876	2.276	ng	98
75) Fluoranthene	12.44	202	203233	6.867	ng	98
78) Pyrene	12.67	202	180085	3.907	ng	98
81) Benzo(a)anthracene	13.85	228	95323	2.516	ng	95
83) Chrysene	13.89	228	134884	3.634	ng	96
84) Bis(2-ethylhexyl)phthalate	13.86	149	486693	20.395	ng	99
88) Benzo(b)fluoranthene	14.87	252	250286	6.533	ng	99
89) Benzo(k)fluoranthene	14.87	252	250286	7.212	ng	99
90) Benzo(a)pyrene	15.20	252	107648	3.177	ng	98
92) Benzo(g,h,i)perylene	17.02	276	59209	2.039	ng	97

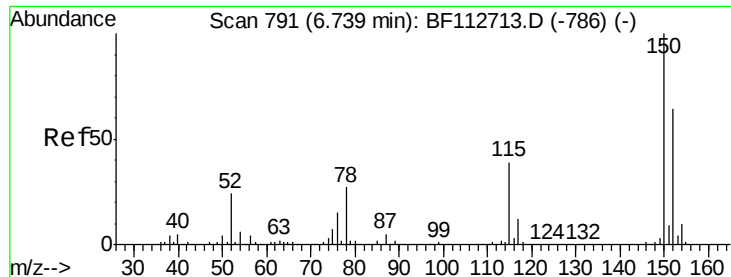
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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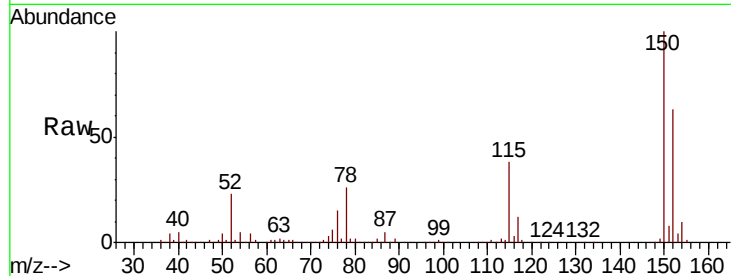




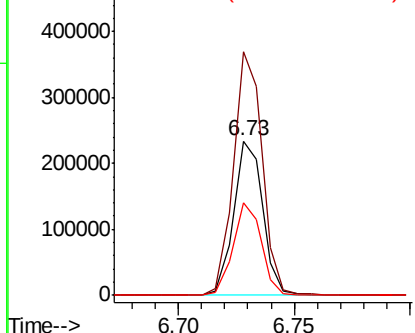
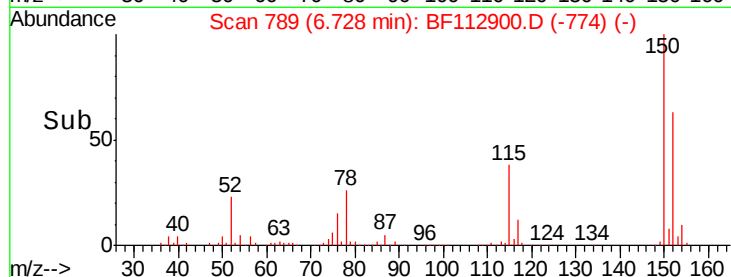
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW004-022719

Tgt Ion:152 Resp: 204494
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.2 186.2
 115 60.2 48.2 72.4

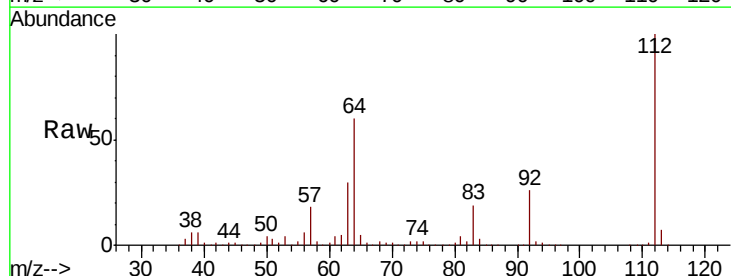


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

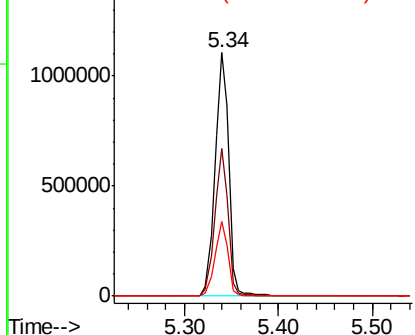
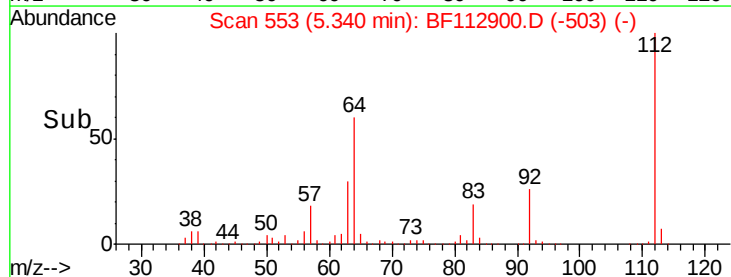


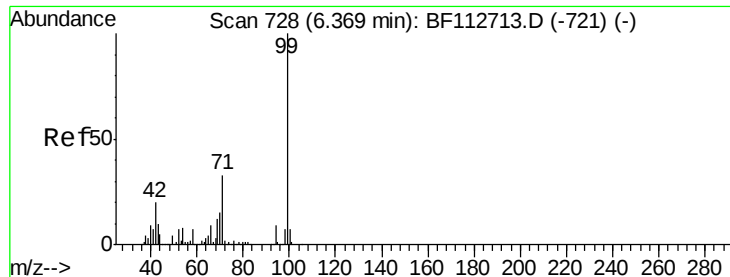
#5
 2-Fluorophenol
 Concen: 87.325 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Tgt Ion:112 Resp: 1147993
 Ion Ratio Lower Upper
 112 100
 64 60.5 47.6 71.4
 63 30.4 24.4 36.6



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: 86.630 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW004-022719

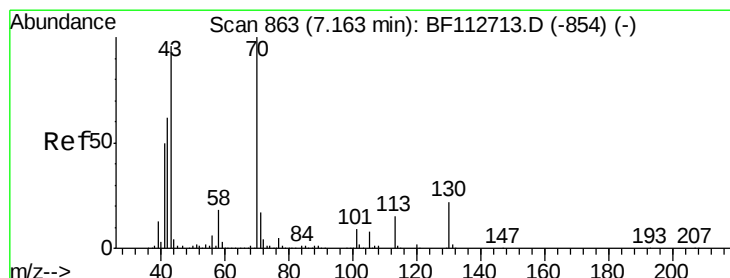
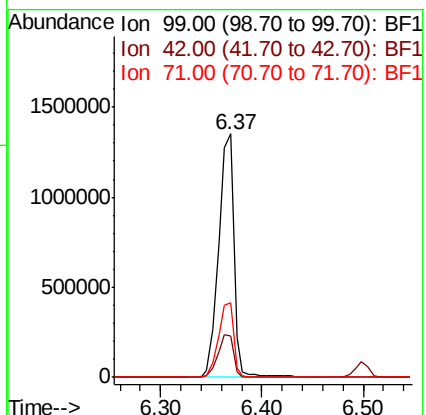
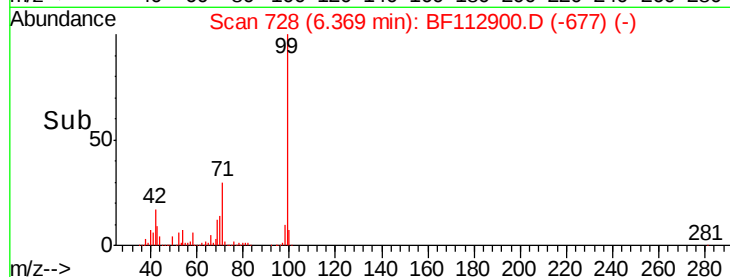
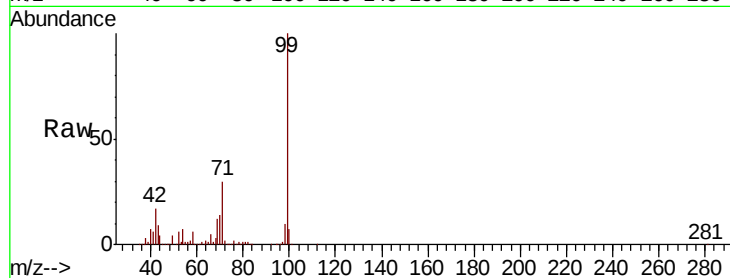
Tgt Ion: 99 Resp: 1430580

Ion Ratio Lower Upper

99 100

42 17.1 16.3 24.5

71 30.4 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.691 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Tgt Ion: 70 Resp: 111811

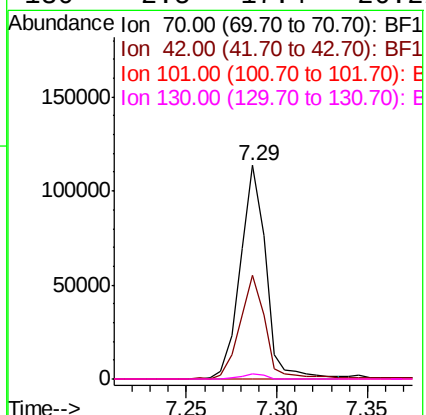
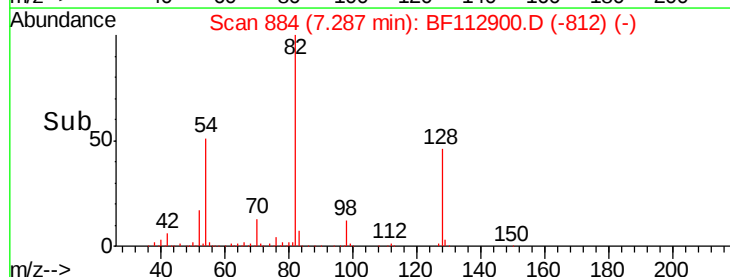
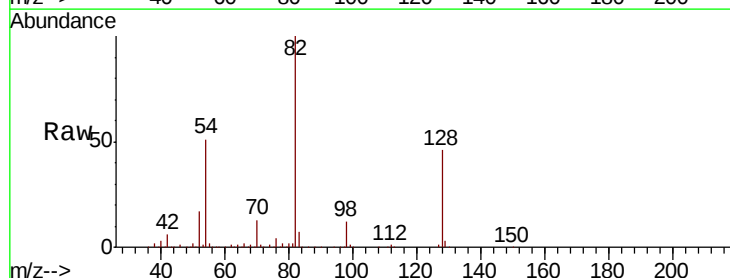
Ion Ratio Lower Upper

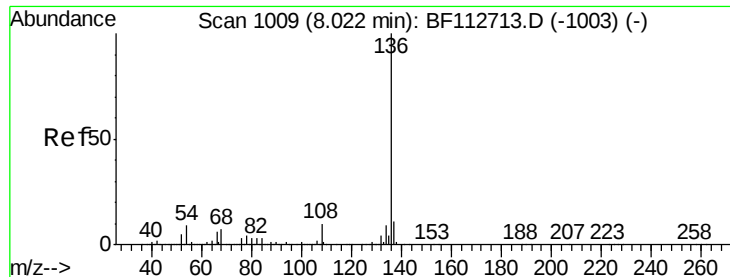
70 100

42 48.8 49.9 74.9#

101 0.0 7.4 11.2#

130 2.5 17.4 26.2#

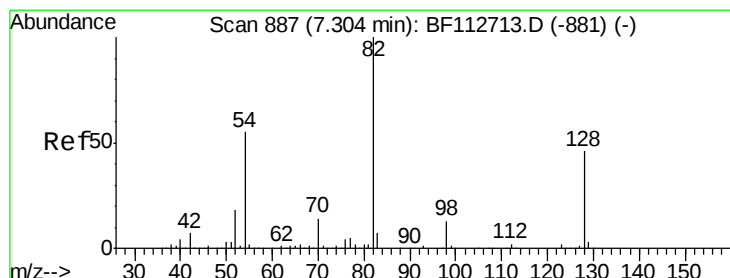
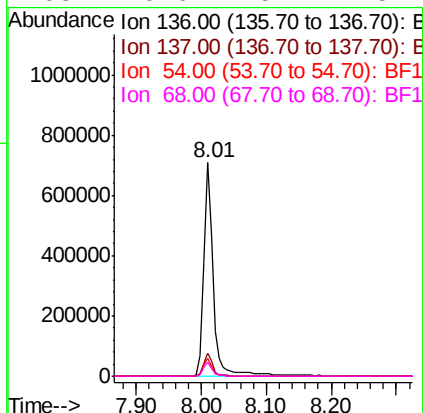
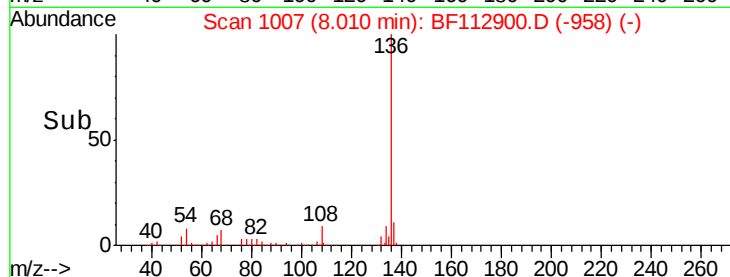
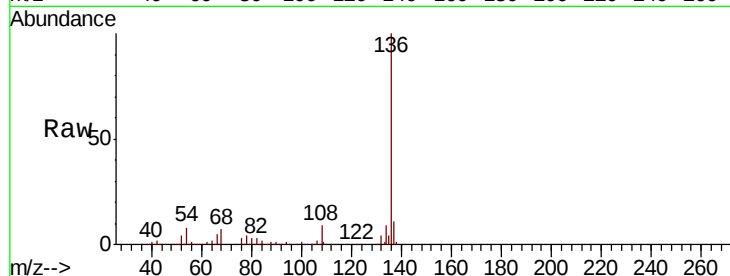




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

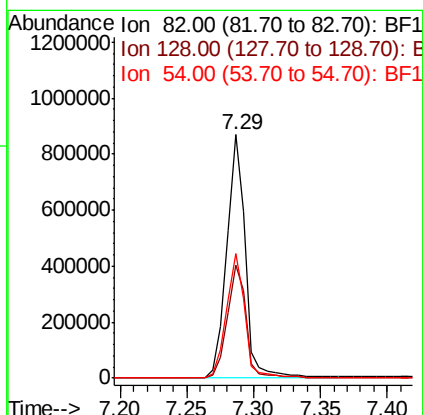
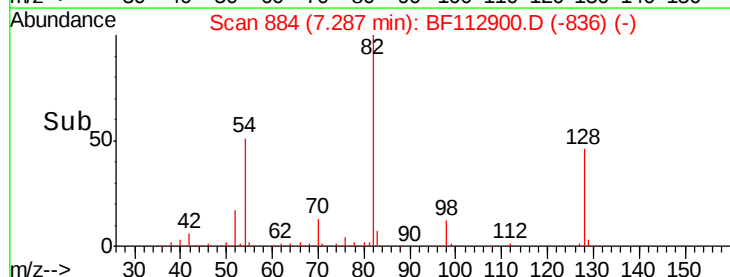
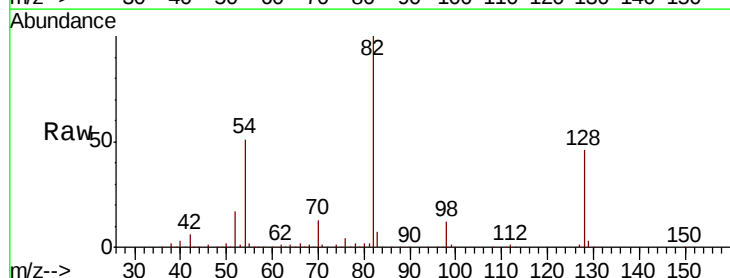
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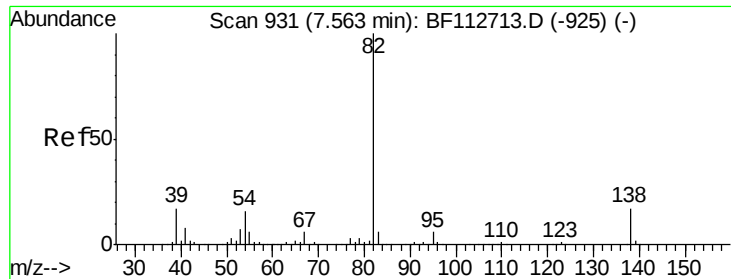
Tgt Ion:	136	Resp:	731622
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.1	7.3	10.9
68	6.6	5.4	8.2



#23
Nitrobenzene-d5
Concen: 70.496 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Tgt Ion:	82	Resp:	861938
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.3	54.5
54	51.2	43.7	65.5

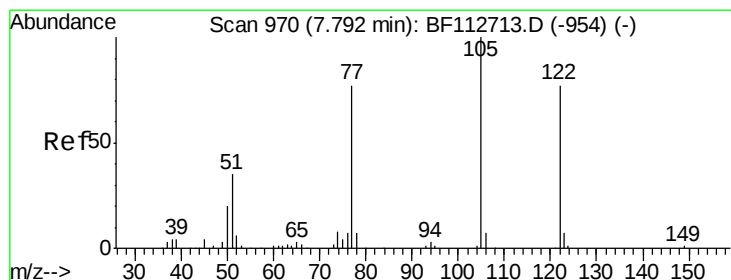
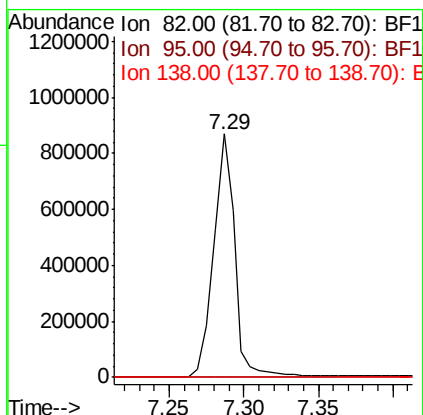
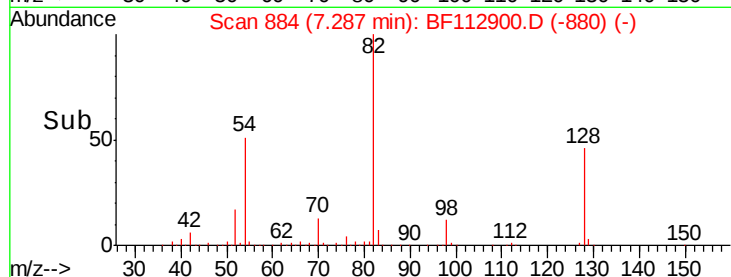
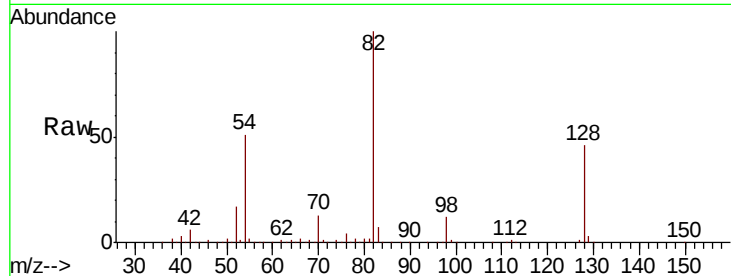




#25
Isophorone
Concen: 32.329 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

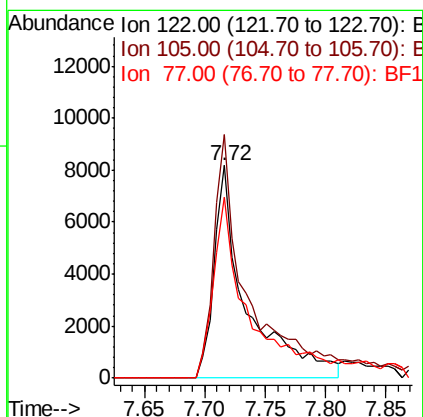
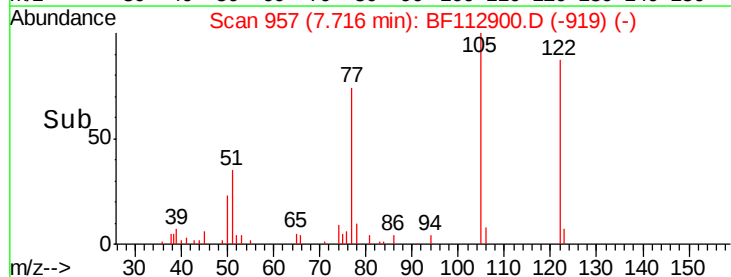
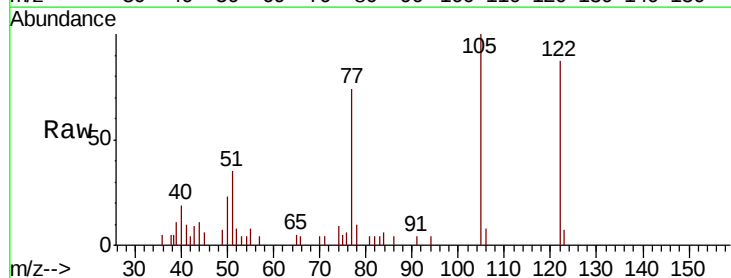
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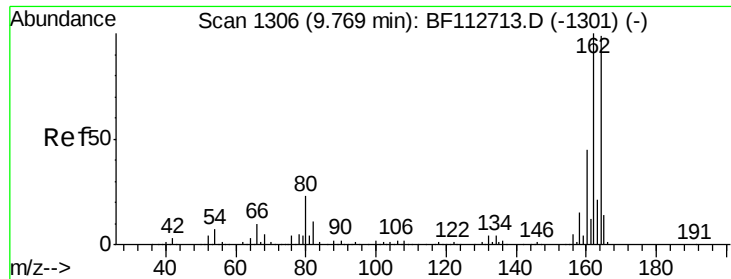
Tgt Ion: 82 Resp: 851574
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 2.059 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.08 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Tgt Ion: 122 Resp: 15208
Ion Ratio Lower Upper
122 100
105 114.6 106.8 146.8
77 85.3 79.4 119.4

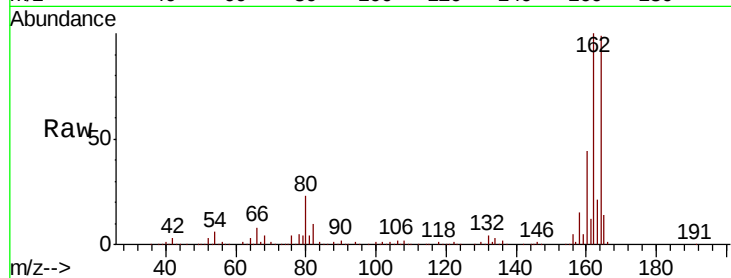




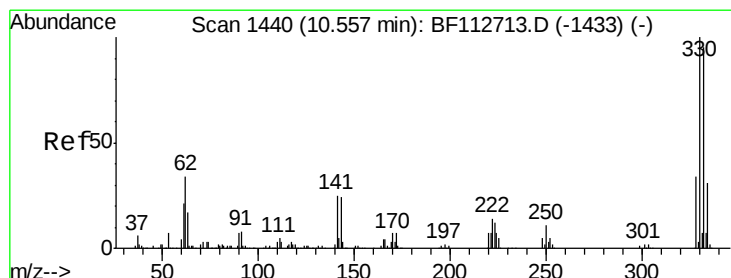
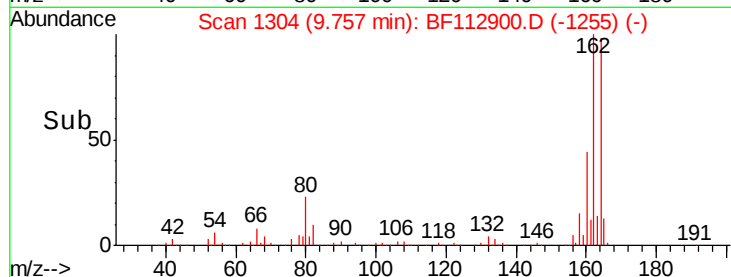
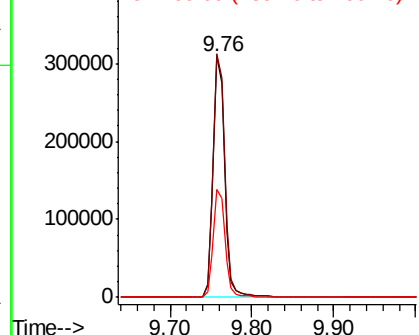
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW004-022719

Tgt Ion:164 Resp: 303641
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 44.6 36.0 54.0

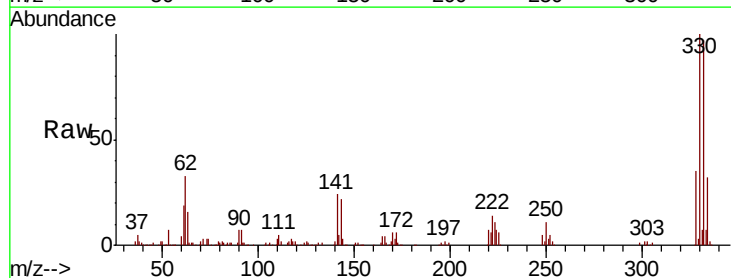


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

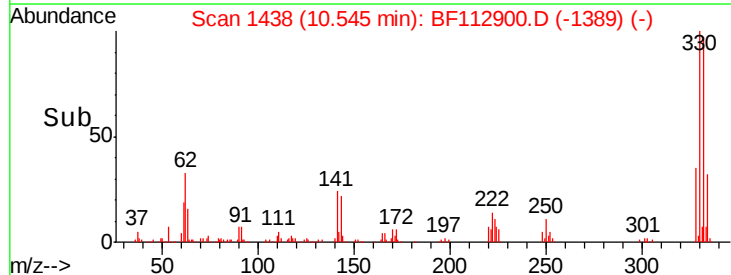
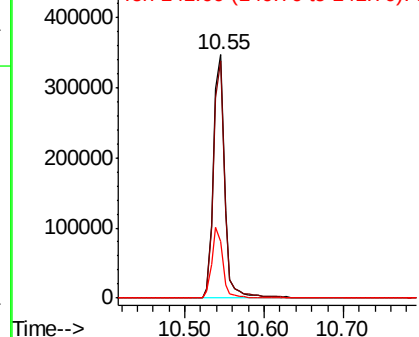


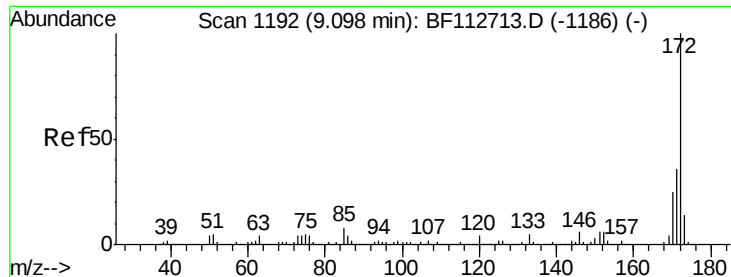
#42
2,4,6-Tribromophenol
Concen: 106.479 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112900.D
Acq: 7 Mar 2019 00:15

Tgt Ion:330 Resp: 343237
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.4
141 29.0 27.0 40.6



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

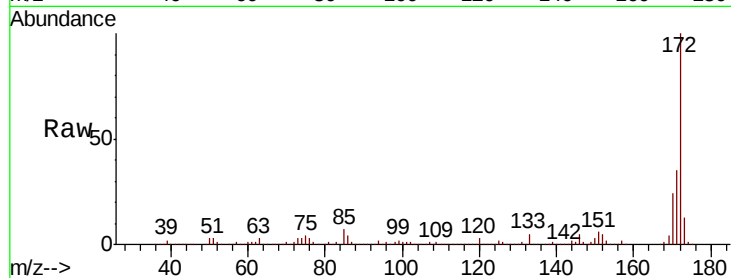




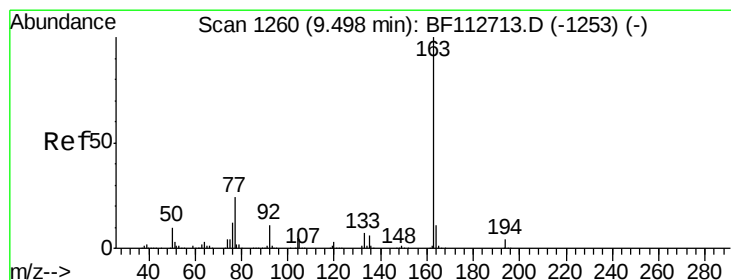
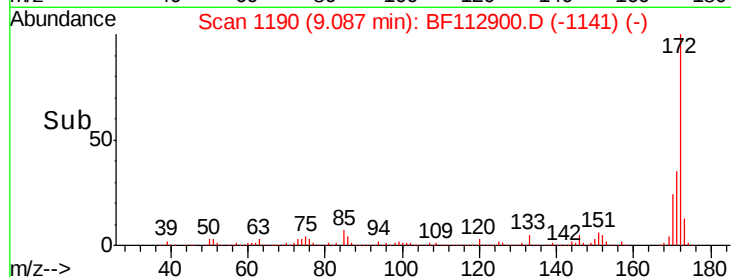
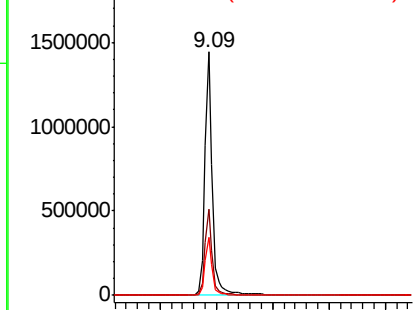
#45
 2-Fluorobiphenyl
 Concen: 71.091 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Instrument :
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 ClientSampleId :
 EXT-028-SW004-022719

Tgt Ion:172 Resp: 1360318
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.0 43.4
 170 24.1 20.0 30.0

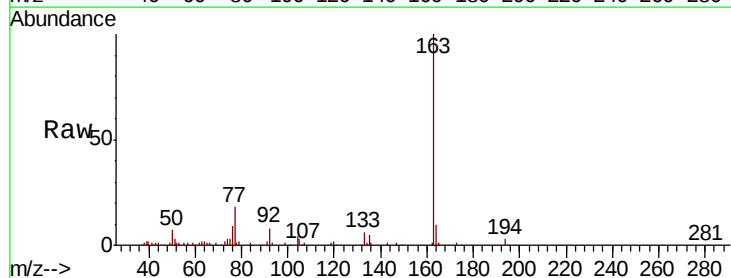


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

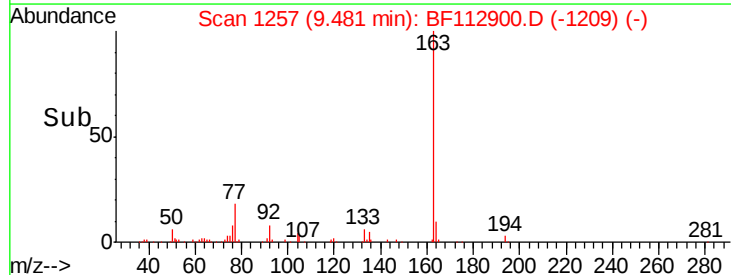
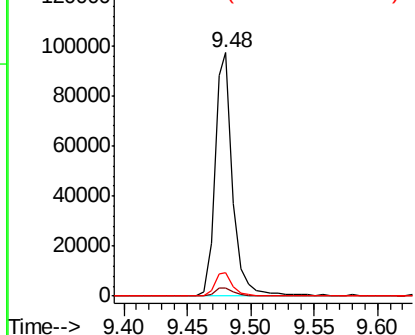


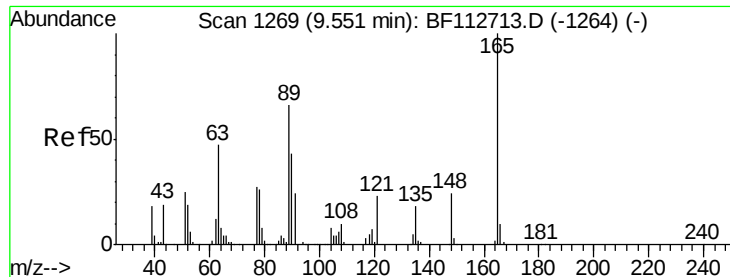
#50
 Dimethylphthalate
 Concen: 4.284 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.02 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Tgt Ion:163 Resp: 95912
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.0 4.4
 164 9.6 8.4 12.6



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

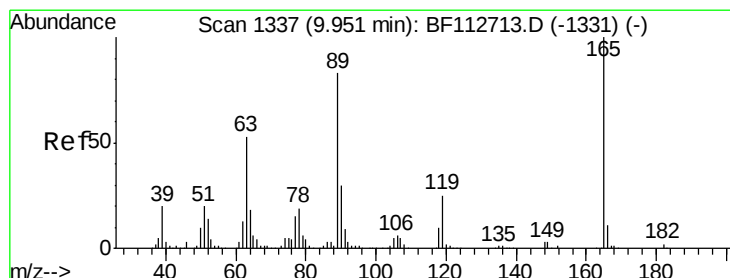
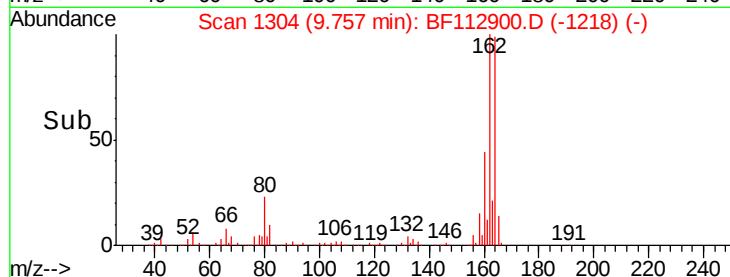
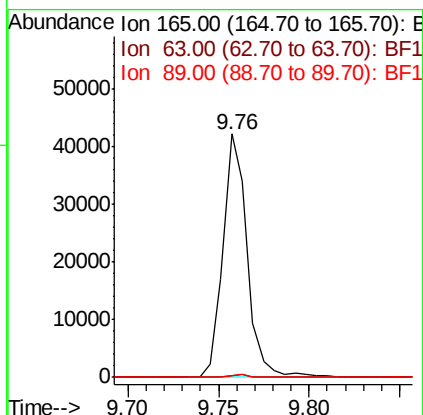
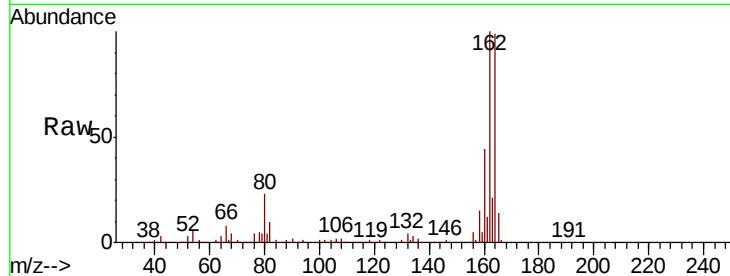




#51
 2,6-Dinitrotoluene
 Concen: 8.415 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

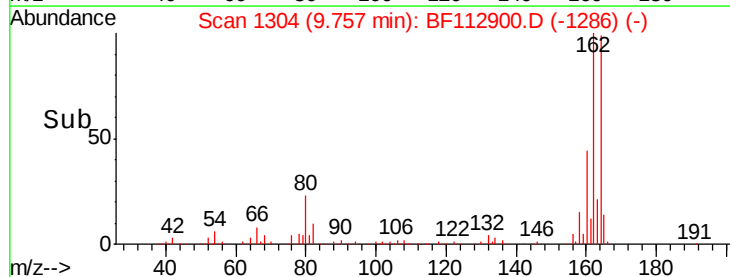
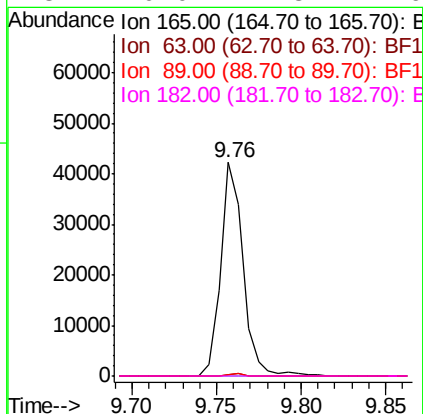
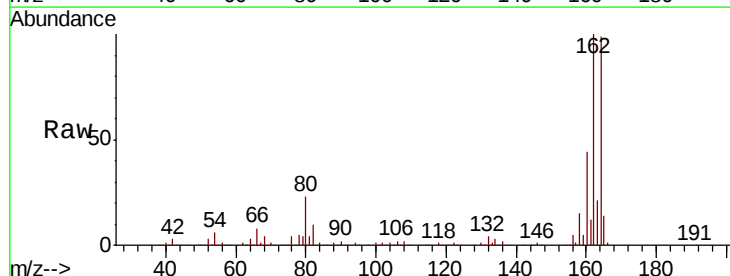
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 ClientSampleId :
 EXT-028-SW004-022719

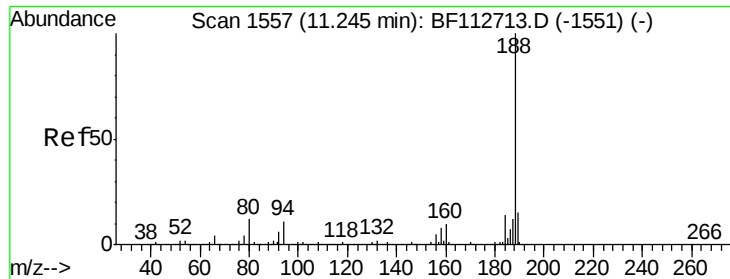
Tgt Ion:165 Resp: 39234
 Ion Ratio Lower Upper
 165 100
 63 0.9 54.1 81.1#
 89 0.9 52.8 79.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.769 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.19 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Tgt Ion:165 Resp: 39227
 Ion Ratio Lower Upper
 165 100
 63 0.9 42.2 63.2#
 89 0.9 66.2 99.4#
 182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW004-022719

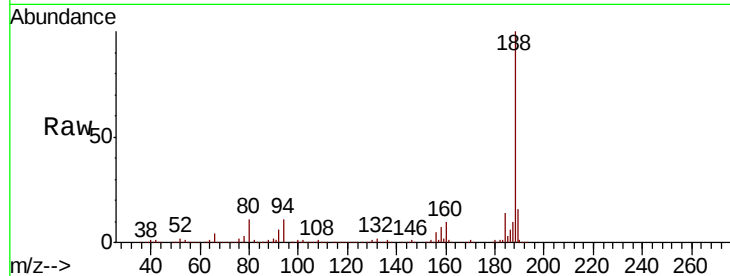
Tgt Ion:188 Resp: 555205

Ion Ratio Lower Upper

188 100

94 11.1 9.0 13.4

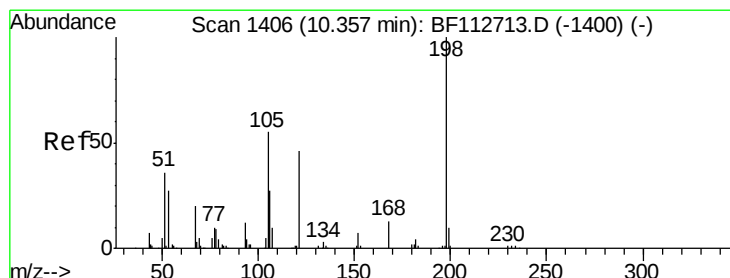
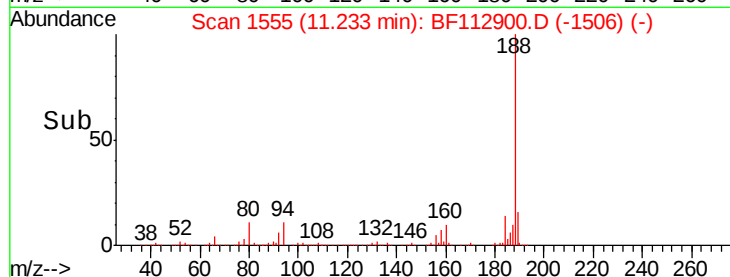
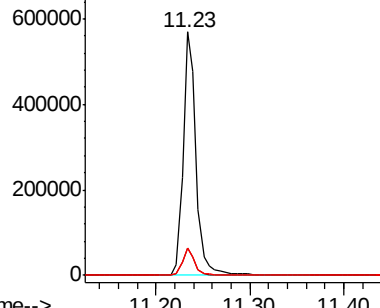
80 11.2 9.2 13.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.795 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.18 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

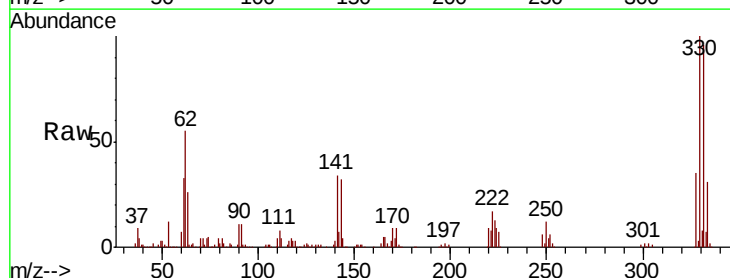
Tgt Ion:198 Resp: 459

Ion Ratio Lower Upper

198 100

51 200.9 43.8 83.8#

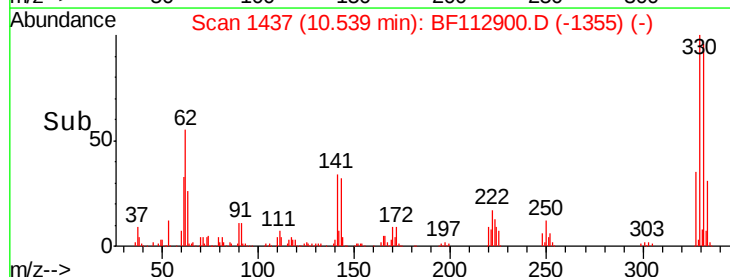
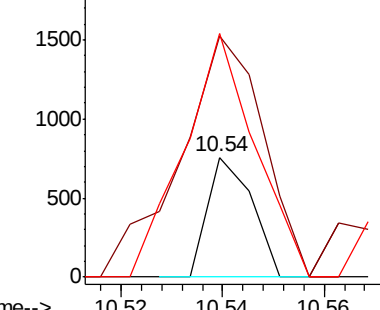
105 202.9 36.5 76.5#

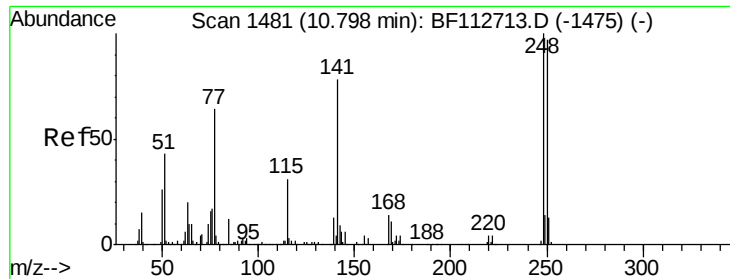


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

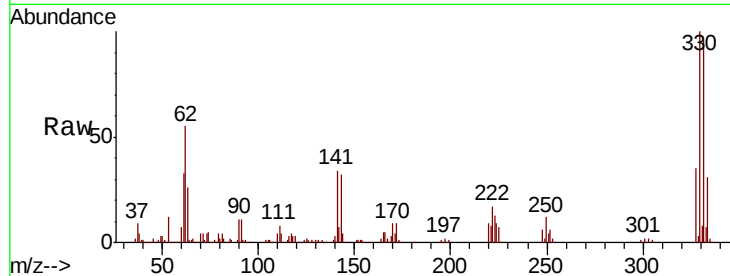




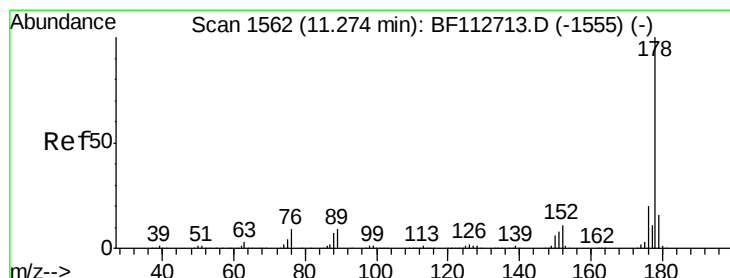
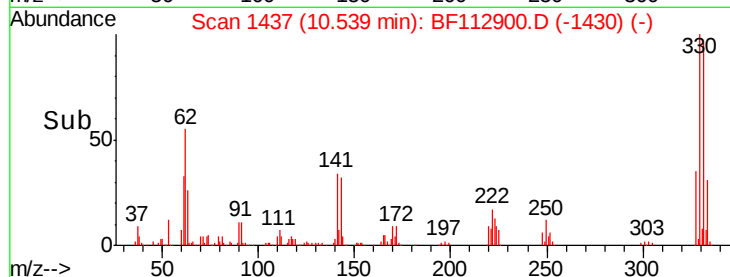
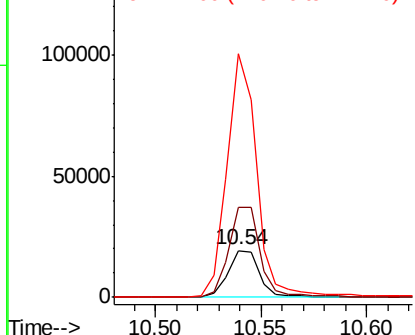
#67
 4-Bromophenyl-phenylether
 Concen: 3.380 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.26 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW004-022719

Tgt Ion:248 Resp: 19768
 Ion Ratio Lower Upper
 248 100
 250 193.0 77.5 116.3#
 141 522.9 62.4 93.6#

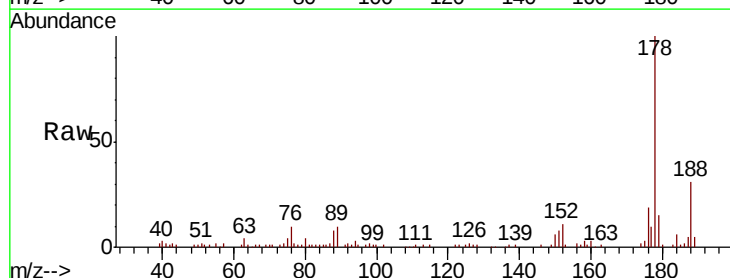


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

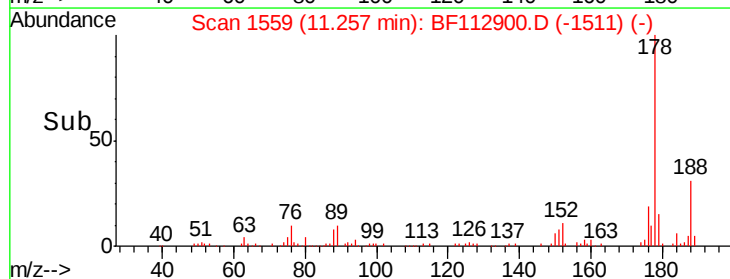
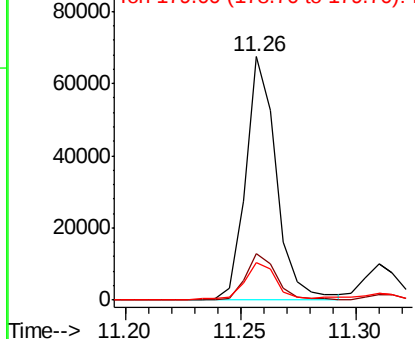


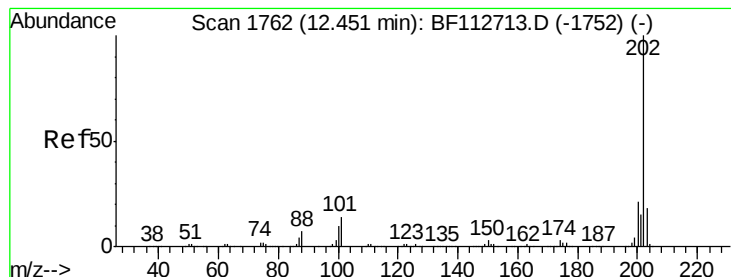
#71
 Phenanthrene
 Concen: 2.276 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Tgt Ion:178 Resp: 62876
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.3 24.5
 179 15.4 12.7 19.1



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





#75

Fluoranthene

Concen: 6.867 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW004-022719

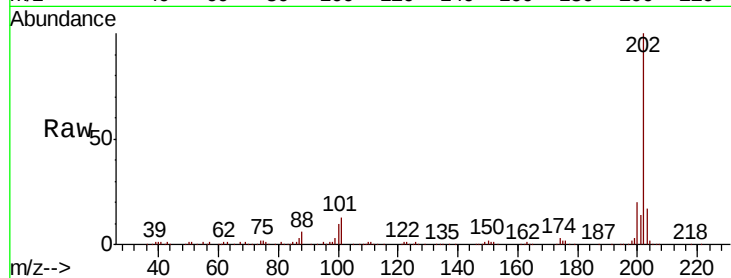
Tgt Ion: 202 Resp: 203233

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.8

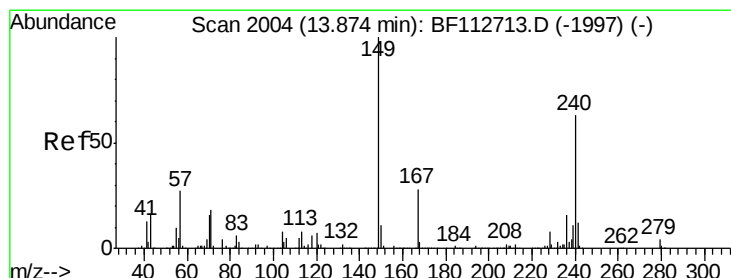
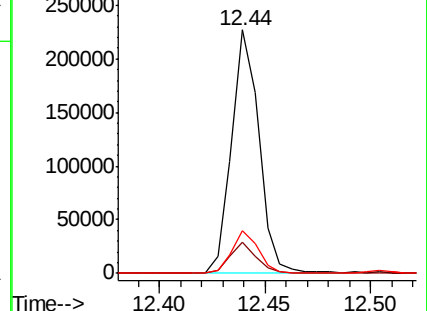
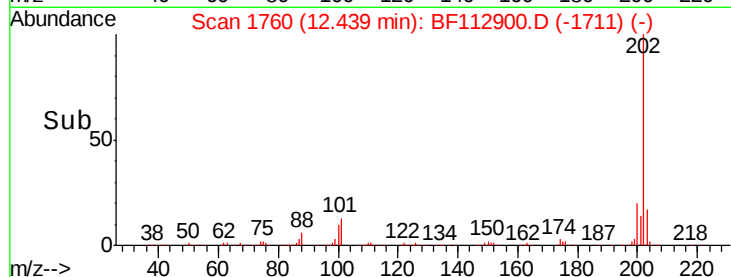
203 17.4 0.0 38.4



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

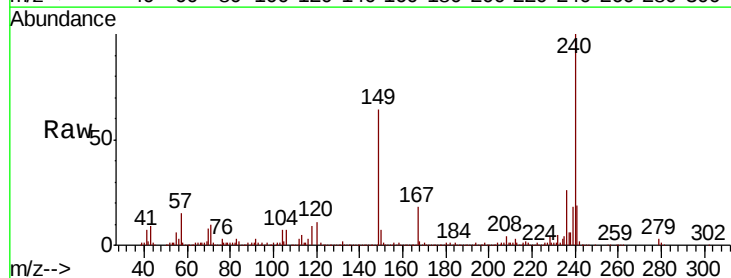
Tgt Ion: 240 Resp: 546723

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

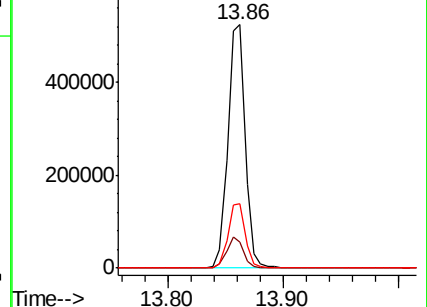
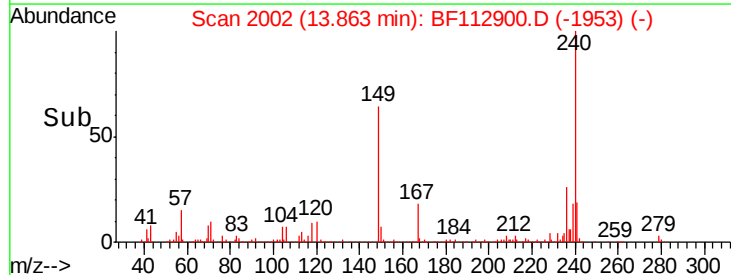
236 26.4 20.7 31.1

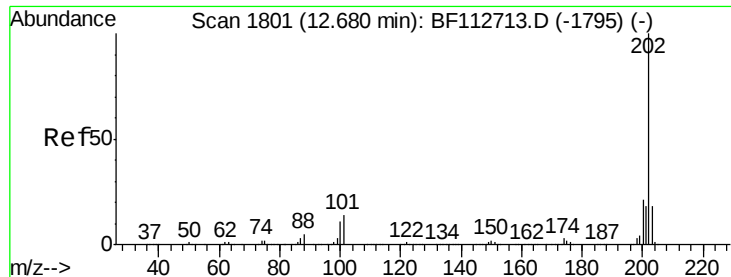


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

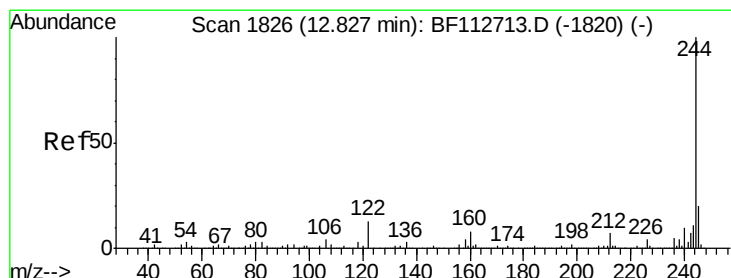
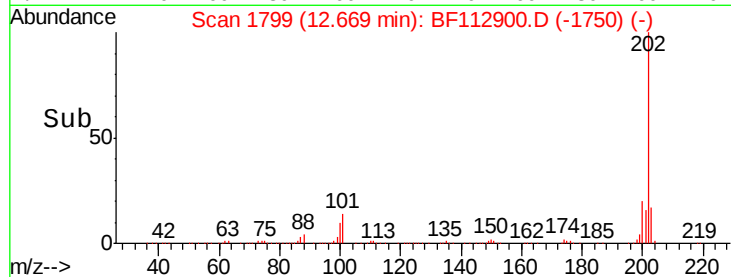
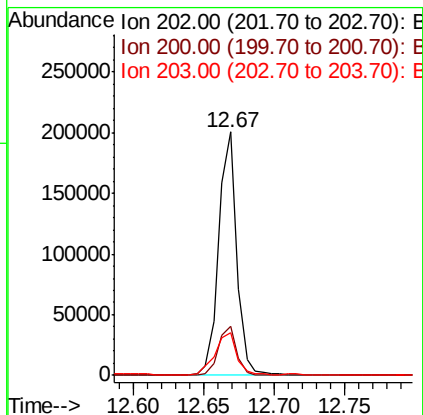
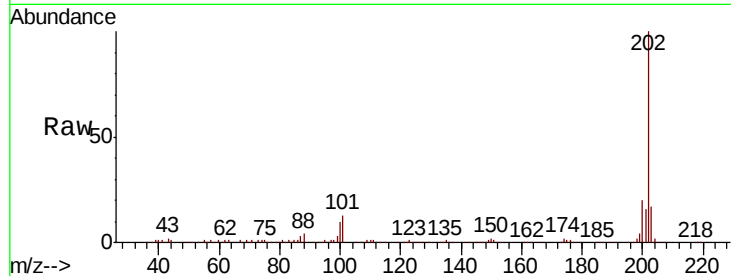




#78
 Pyrene
 Concen: 3.907 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

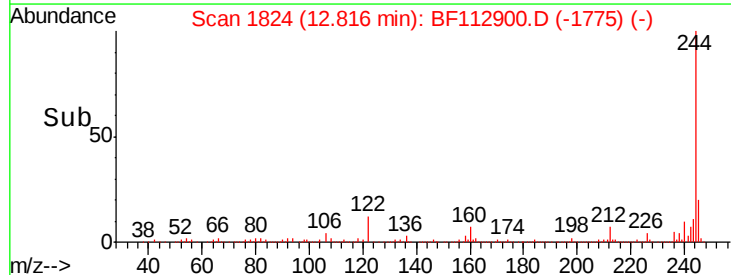
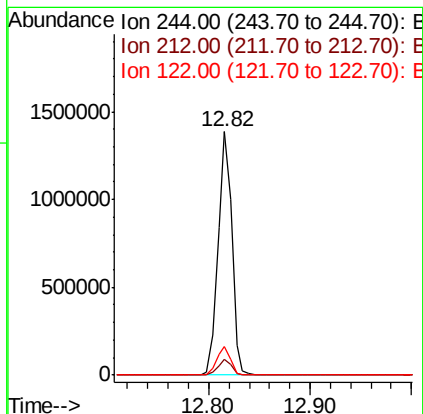
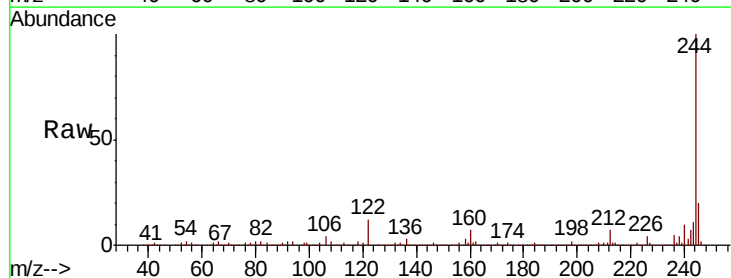
Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW004-022719

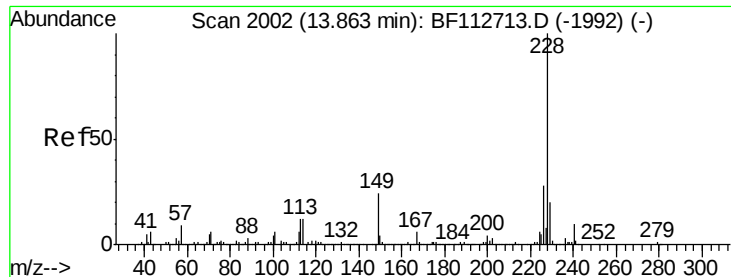
Tgt Ion: 202 Resp: 180085
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.0 25.4
 203 17.3 14.4 21.6



#79
 Terphenyl-d14
 Concen: 46.317 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112900.D
 Acq: 7 Mar 2019 00:15

Tgt Ion: 244 Resp: 1306289
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 11.8 10.5 15.7





#81

Benzo(a)anthracene

Concen: 2.516 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW004-022719

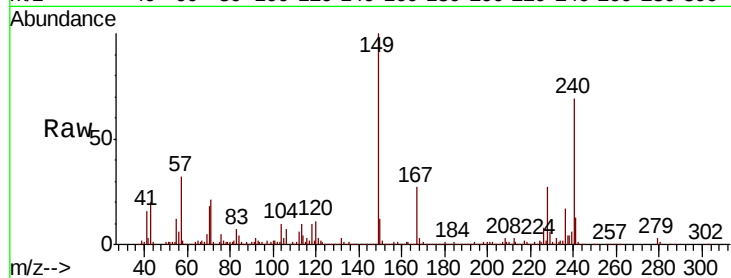
Tgt Ion:228 Resp: 95323

Ion Ratio Lower Upper

228 100

226 31.4 22.2 33.4

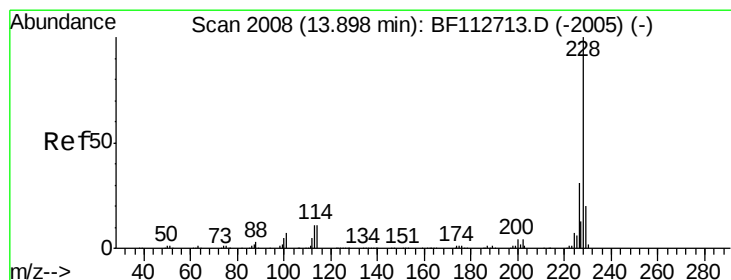
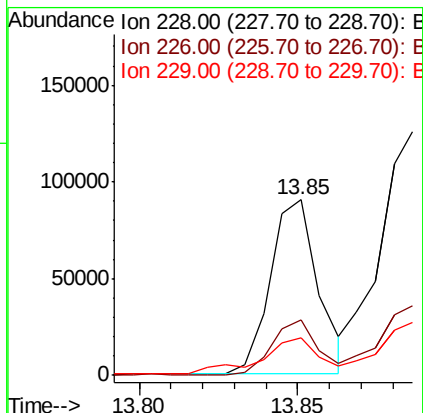
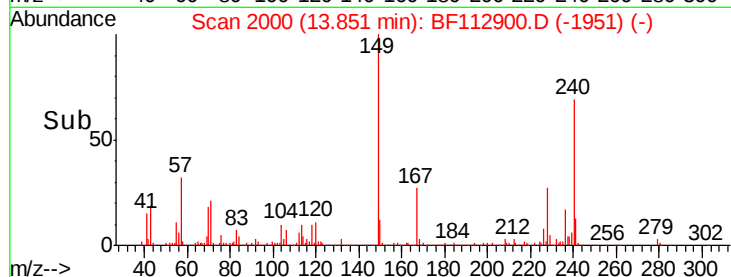
229 21.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.634 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

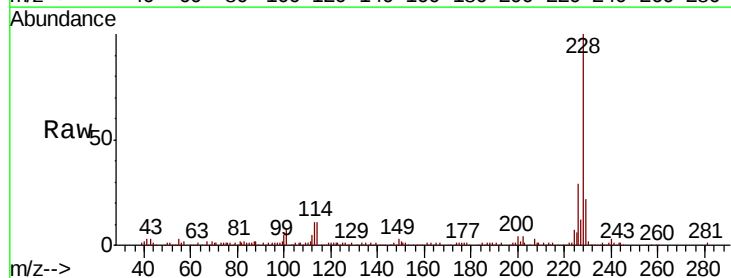
Tgt Ion:228 Resp: 134884

Ion Ratio Lower Upper

228 100

226 28.6 24.9 37.3

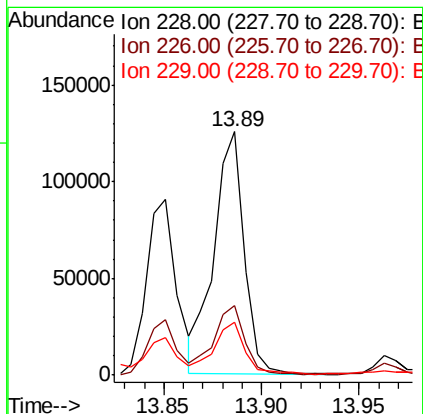
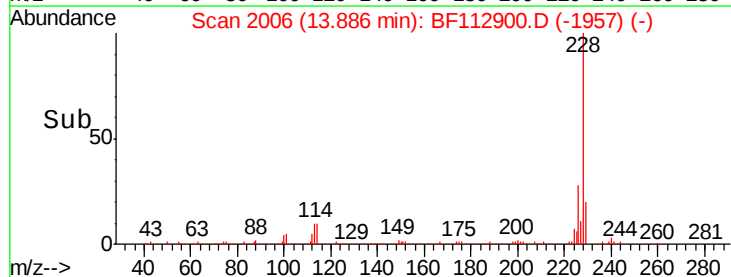
229 21.5 16.3 24.5

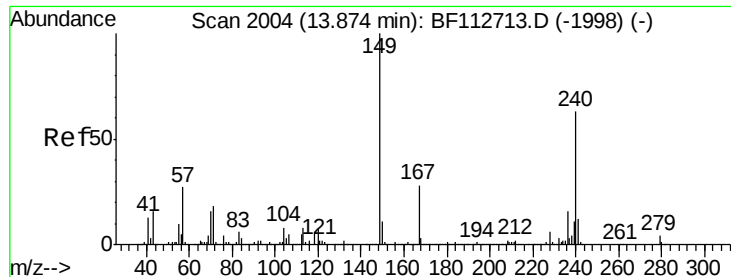


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 20.395 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW004-022719

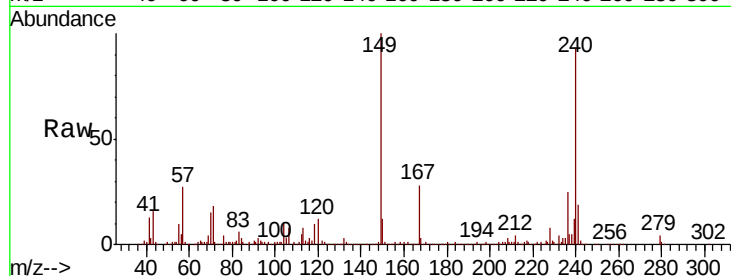
Tgt Ion:149 Resp: 486693

Ion Ratio Lower Upper

149 100

167 27.6 22.4 33.6

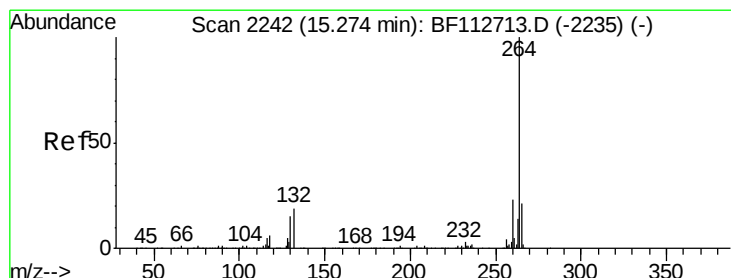
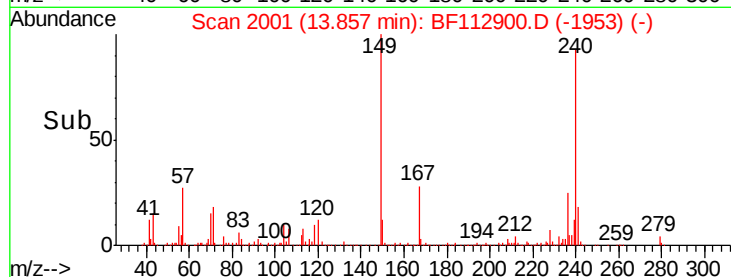
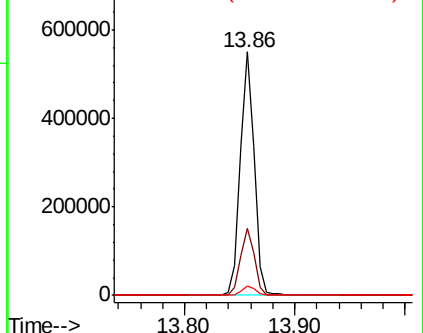
279 3.8 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

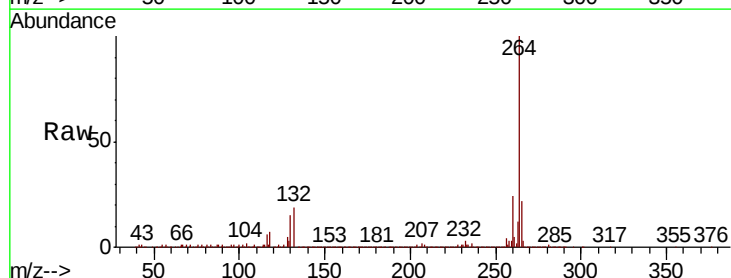
Tgt Ion:264 Resp: 592301

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

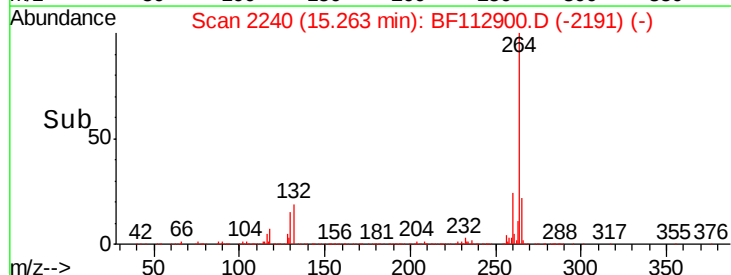
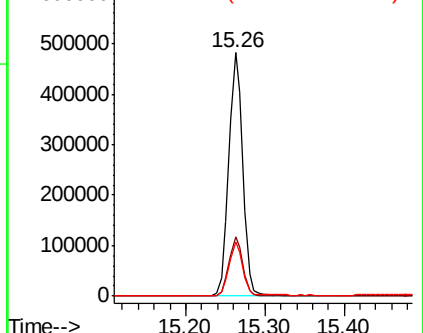
265 22.3 17.2 25.8

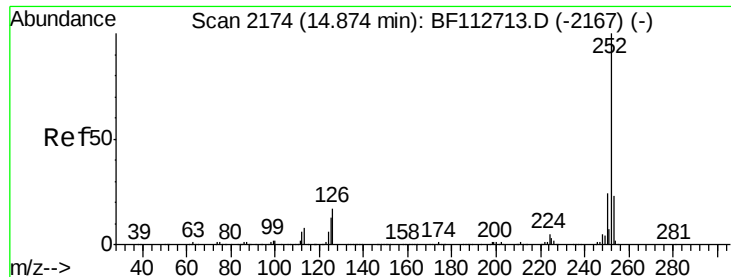


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 6.533 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

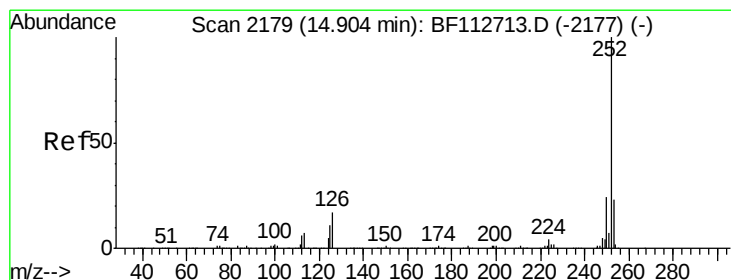
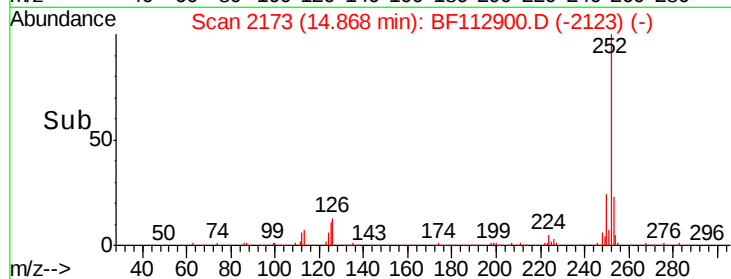
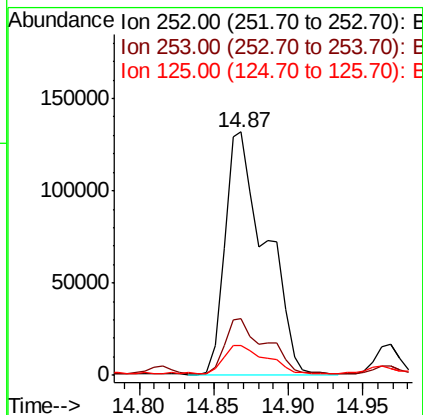
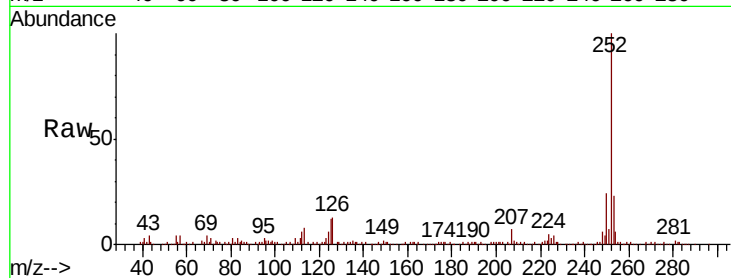
Instrument :

BNA_F

ClientSampleId :

EXT-028-SW004-022719

Tgt Ion:	252	Resp:	250286
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	12.5	10.2	15.2



#89

Benzo(k)fluoranthene

Concen: 7.212 ng

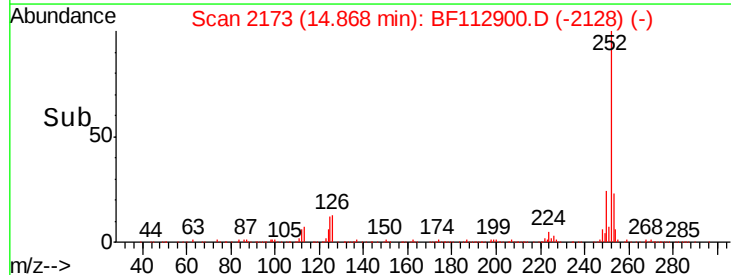
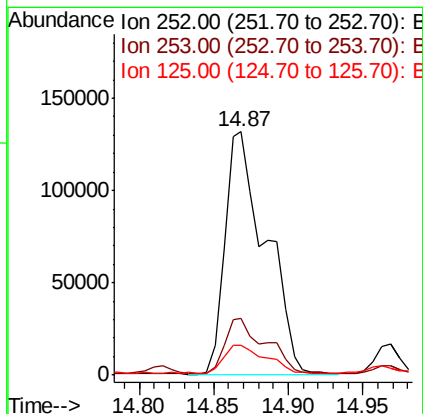
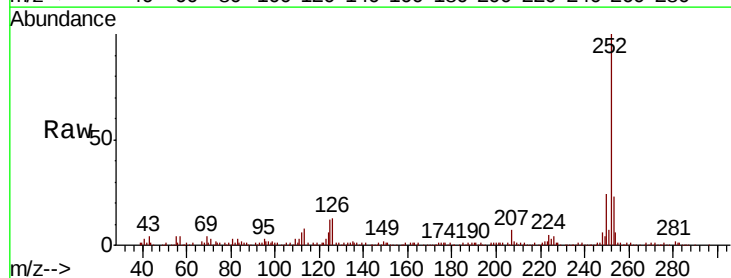
RT: 14.87 min Scan# 2173

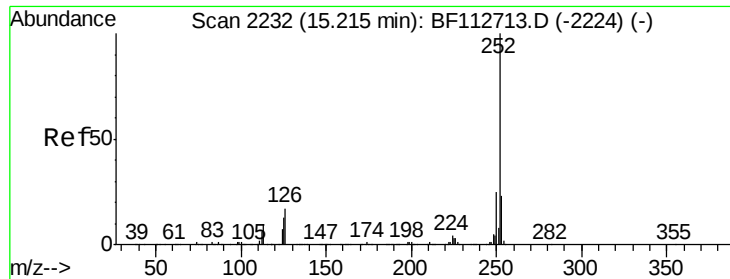
Delta R.T. -0.04 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Tgt Ion:	252	Resp:	250286
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.2	27.2
125	12.5	9.8	14.6





#90

Benzo(a)pyrene

Concen: 3.177 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW004-022719

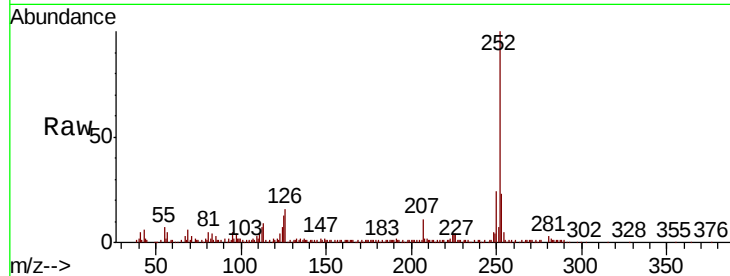
Tgt Ion:252 Resp: 107648

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

125 12.6 10.7 16.1

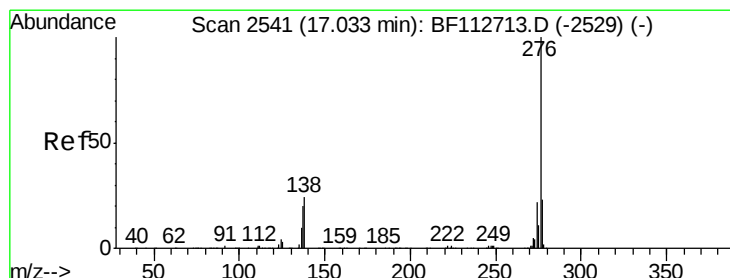
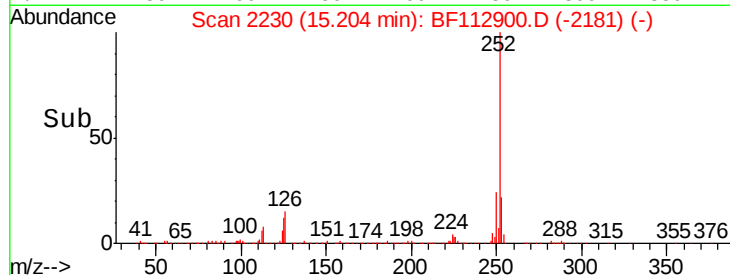
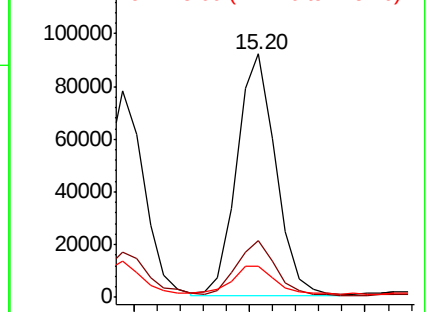


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 2.039 ng

RT: 17.02 min Scan# 2538

Delta R.T. -0.02 min

Lab File: BF112900.D

Acq: 7 Mar 2019 00:15

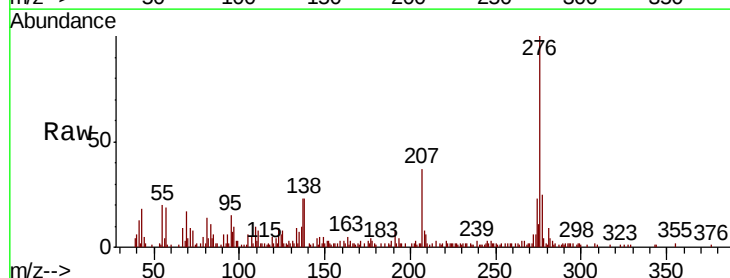
Tgt Ion:276 Resp: 59209

Ion Ratio Lower Upper

276 100

277 24.9 18.6 27.8

138 23.3 19.4 29.0



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

