

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
 Data File : BF112905.D
 Acq On : 7 Mar 2019 2:32
 Operator : JU/SJ
 Sample : K1705-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Quant Time: Mar 07 04:53:17 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	138683	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	535118	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	252920	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	469748	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	341364	20.00	ng	-0.01
87) Perylene-d12	15.26	264	337485	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1054665	118.30	ng	-0.01
7) Phenol-d6	6.37	99	1345775	120.17	ng	0.00
23) Nitrobenzene-d5	7.29	82	805447	90.07	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	379235	141.24	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1346816	89.47	ng	-0.01
79) Terphenyl-d14	12.82	244	1147283	65.15	ng	-0.01

Target Compounds

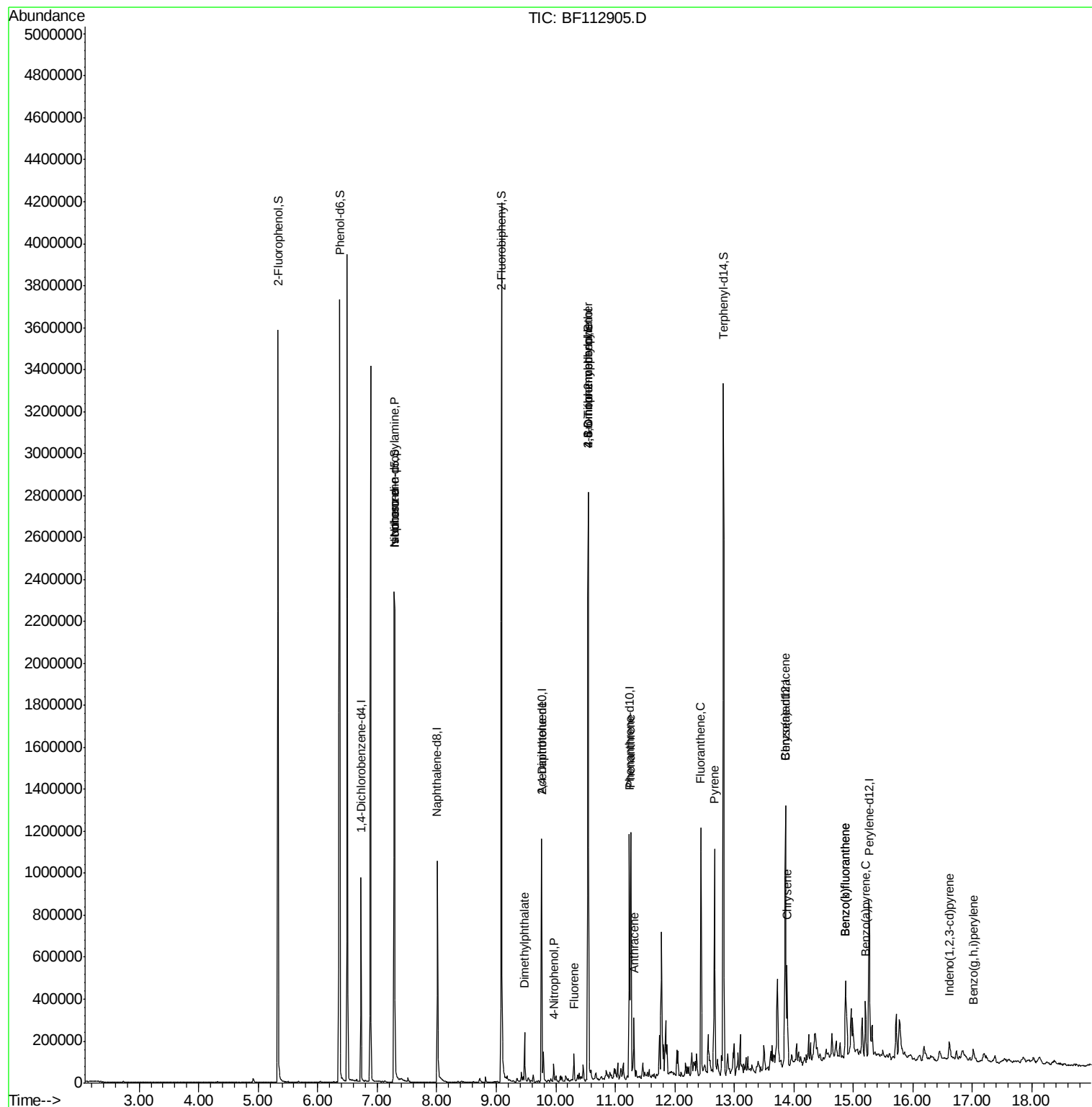
						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	105996	14.944	ng	# 77
25) Isophorone	7.29	82	805555	41.813	ng	# 66
50) Dimethylphthalate	9.48	163	104397	5.598	ng	99
56) 4-Nitrophenol	9.96	139	10054	2.614	ng	# 9
57) 2,4-Dinitrotoluene	9.76	165	32670	6.768	ng	# 18
58) Fluorene	10.30	166	33013	2.001	ng	98
65) 4,6-Dinitro-2-methylphenol	10.55	198	465	4.831	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	21093	4.263	ng	# 1
71) Phenanthrene	11.26	178	461291	19.737	ng	99
72) Anthracene	11.31	178	113469	4.638	ng	98
75) Fluoranthene	12.44	202	484161	19.335	ng	98
78) Pyrene	12.67	202	415327	14.432	ng	99
81) Benzo(a)anthracene	13.85	228	198973	8.410	ng	99
83) Chrysene	13.89	228	190701	8.229	ng	96
86) Indeno(1,2,3-cd)pyrene	16.61	276	57918	2.932	ng	96
88) Benzo(b)fluoranthene	14.87	252	269976	12.367	ng	99
89) Benzo(k)fluoranthene	14.87	252	269976	13.654	ng	100
90) Benzo(a)pyrene	15.20	252	131009	6.785	ng	99
92) Benzo(g,h,i)perylene	17.02	276	48054	2.905	ng	97

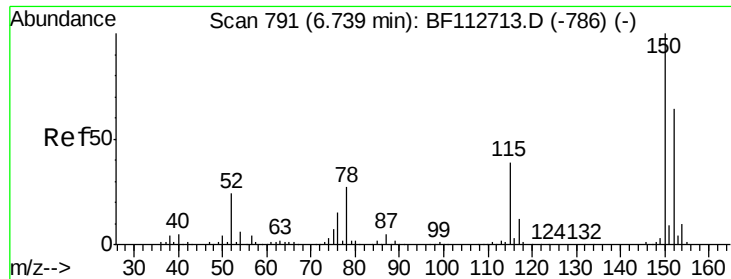
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
Data File : BF112905.D
Acq On : 7 Mar 2019 2:32
Operator : JU/SJ
Sample : K1705-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Quant Time: Mar 07 04:53:17 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

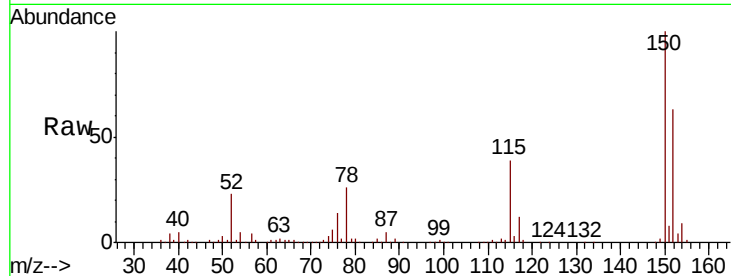




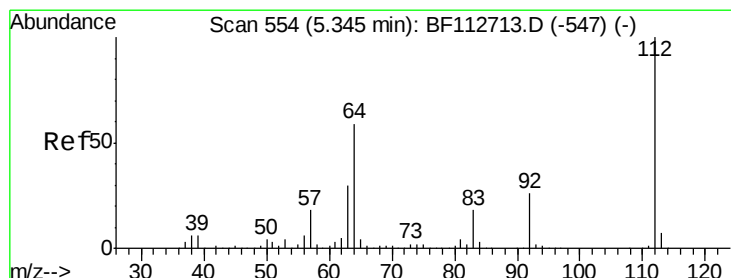
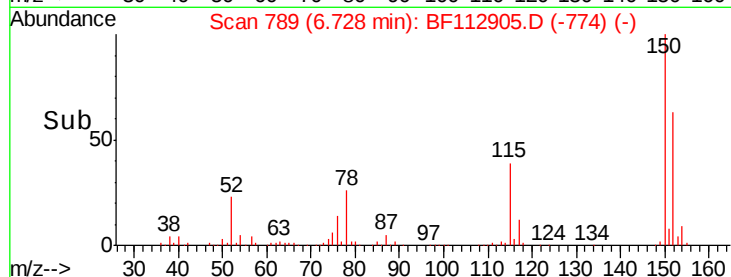
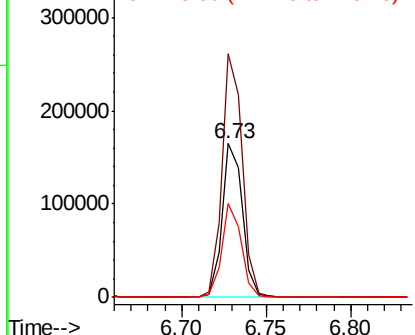
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF112905.D
 Acq: 7 Mar 2019 2:32

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Tgt Ion:152 Resp: 138683
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.2 186.2
 115 60.9 48.2 72.4

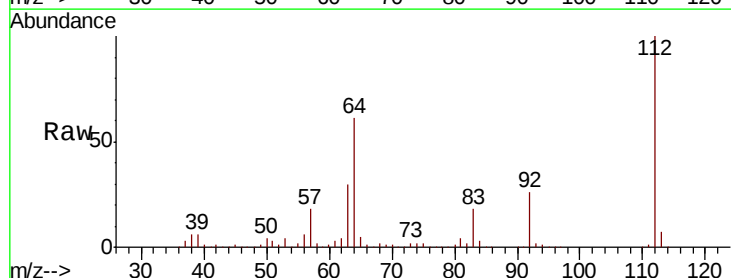


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

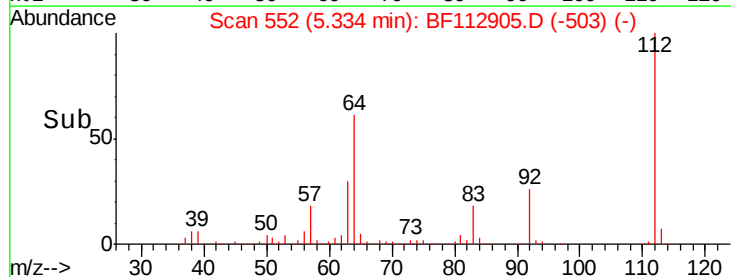
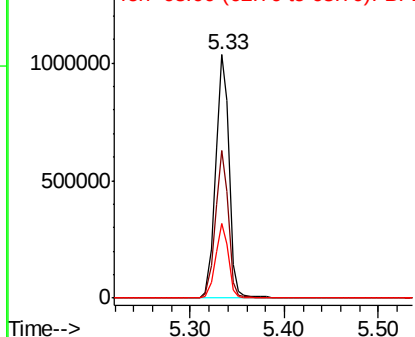


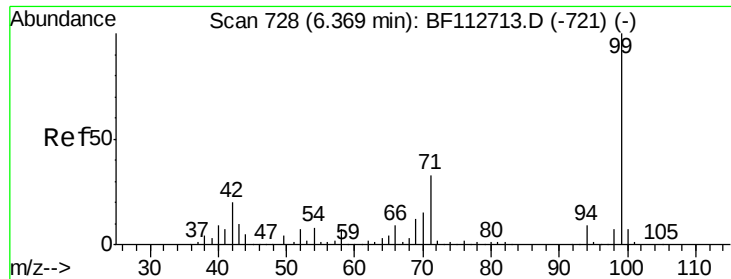
#5
 2-Fluorophenol
 Concen: 118.297 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF112905.D
 Acq: 7 Mar 2019 2:32

Tgt Ion:112 Resp: 1054665
 Ion Ratio Lower Upper
 112 100
 64 60.7 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: 120.167 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

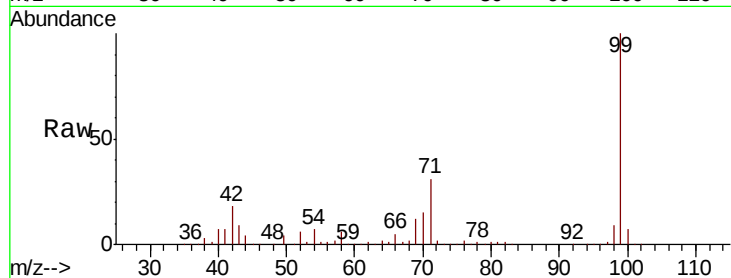
Tgt Ion: 99 Resp: 1345775

Ion Ratio Lower Upper

99 100

42 17.9 16.3 24.5

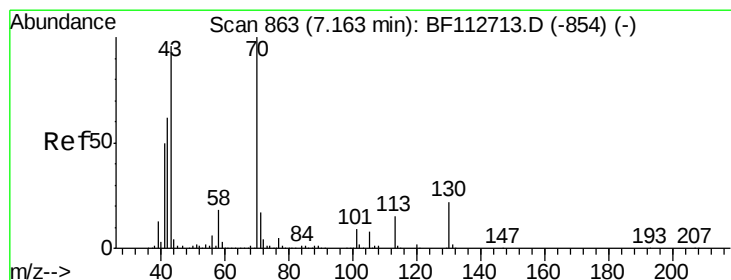
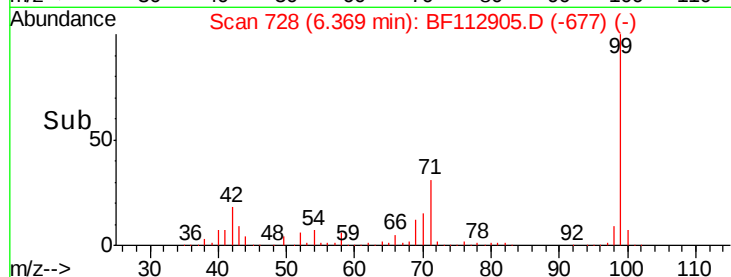
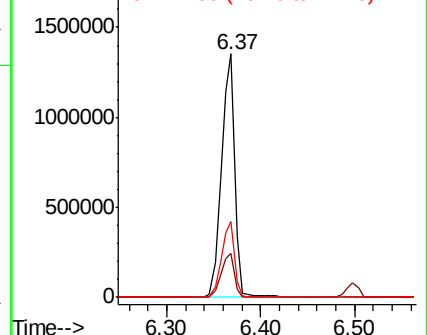
71 31.3 26.2 39.4



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: 14.944 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Tgt Ion: 70 Resp: 105996

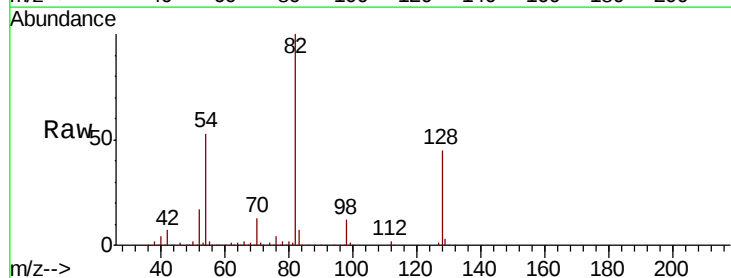
Ion Ratio Lower Upper

70 100

42 50.1 49.9 74.9

101 0.0 7.4 11.2#

130 2.3 17.4 26.2#

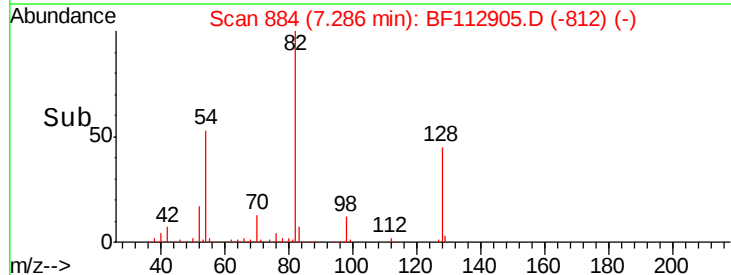
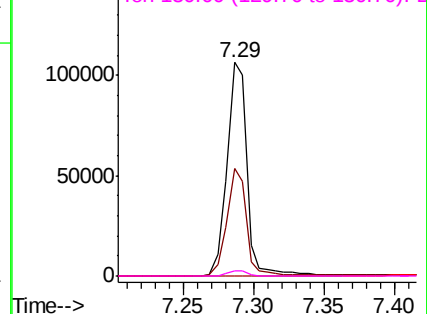


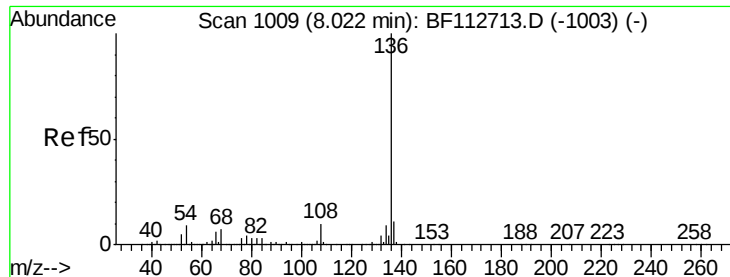
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

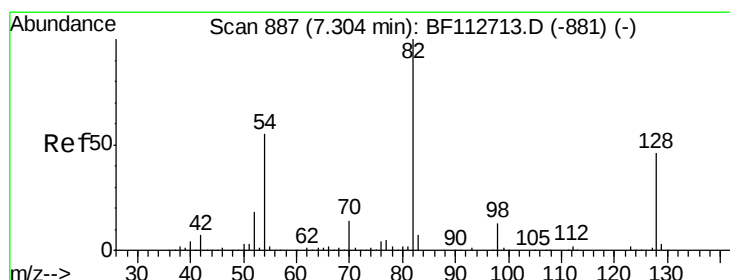
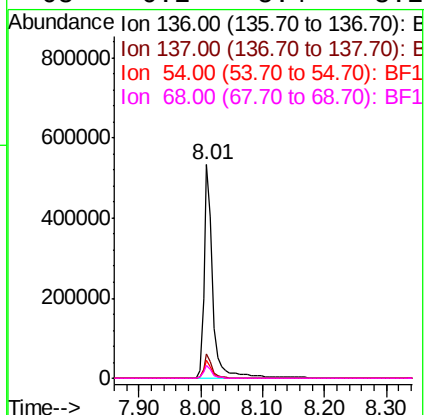
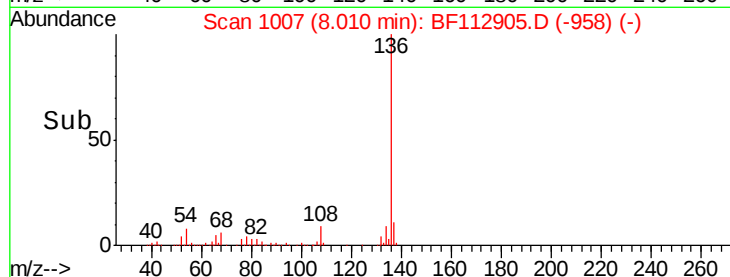
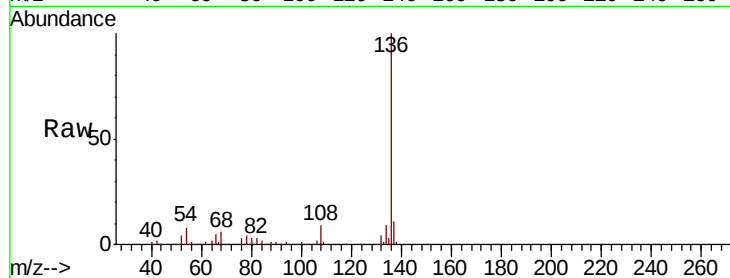




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

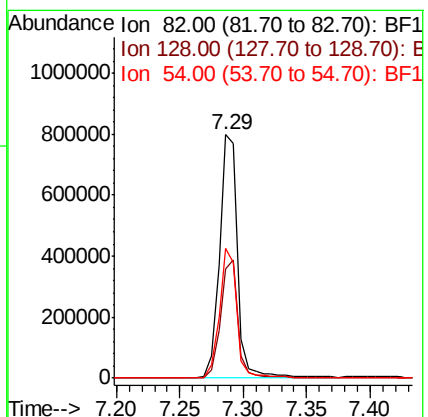
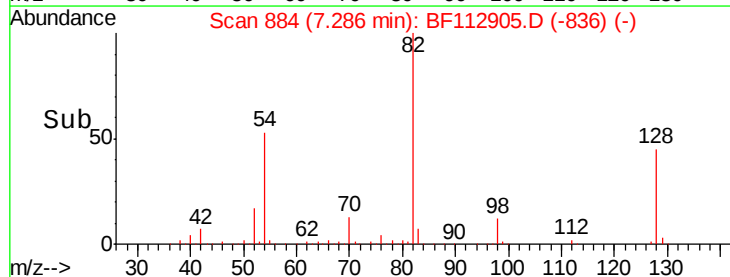
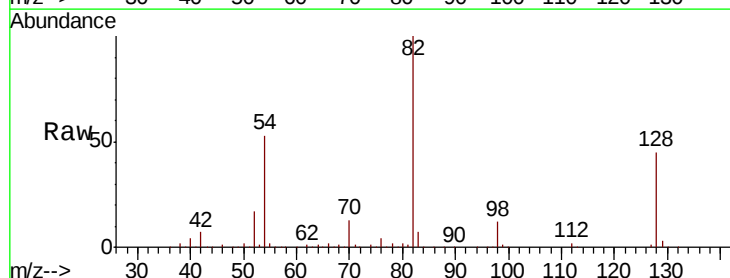
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

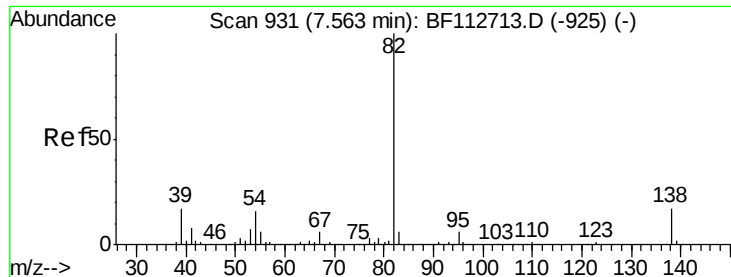
Tgt Ion:	136	Resp:	535118
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.4	7.3	10.9
68	6.2	5.4	8.2



#23
Nitrobenzene-d5
Concen: 90.067 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion:	82	Resp:	805447
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.3	54.5
54	53.2	43.7	65.5





#25

Isophorone

Concen: 41.813 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

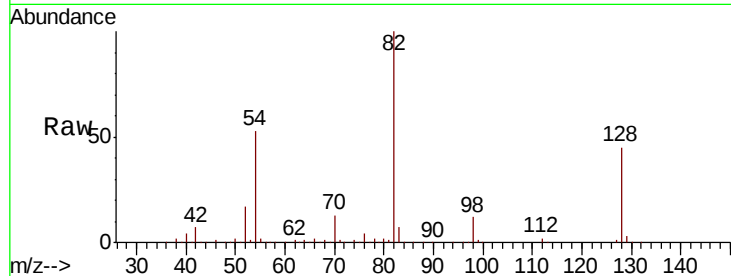
Tgt Ion: 82 Resp: 805555

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

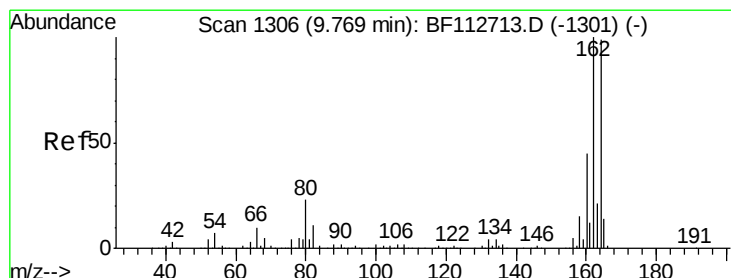
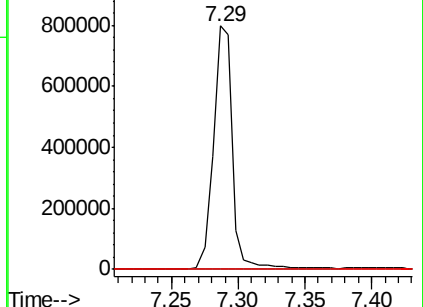
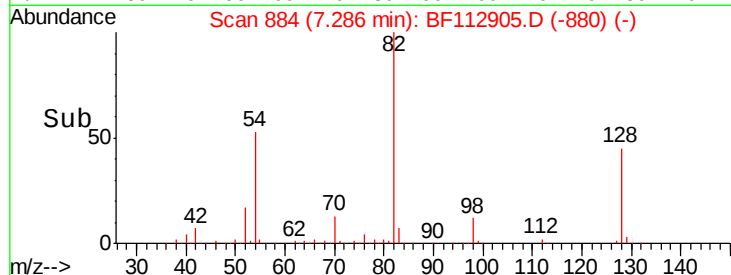
138 0.0 13.8 20.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

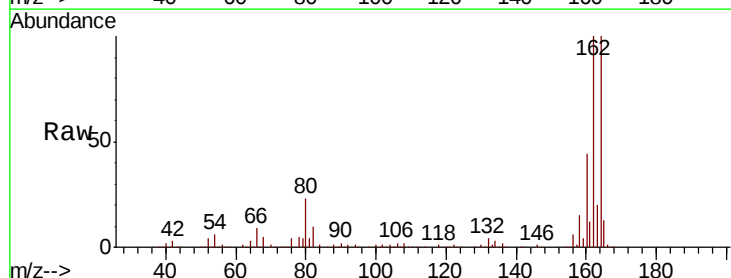
Tgt Ion: 164 Resp: 252920

Ion Ratio Lower Upper

164 100

162 99.8 80.6 120.8

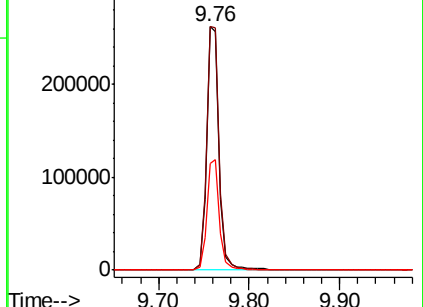
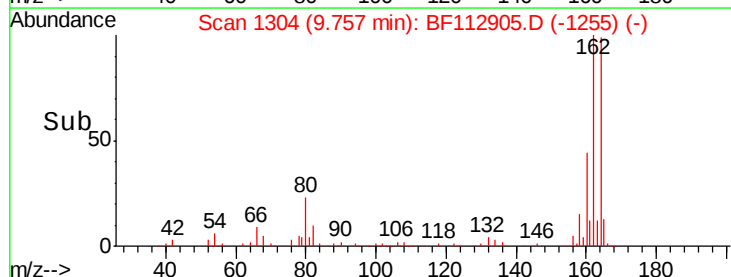
160 43.7 36.0 54.0

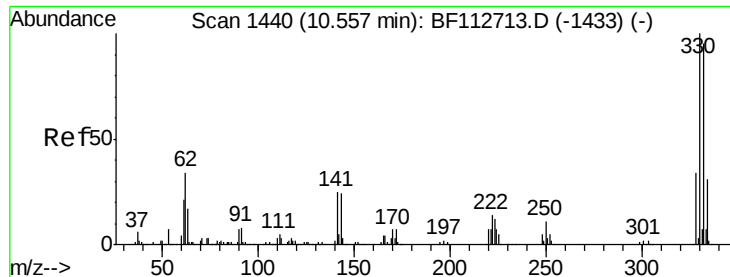


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

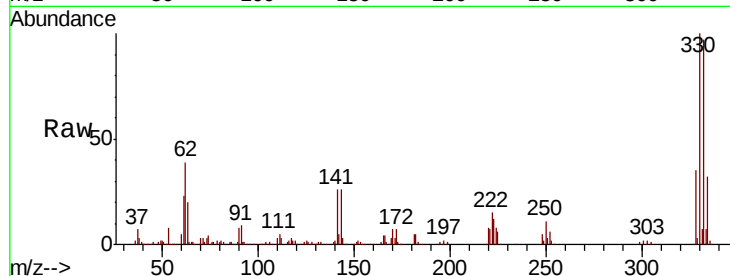




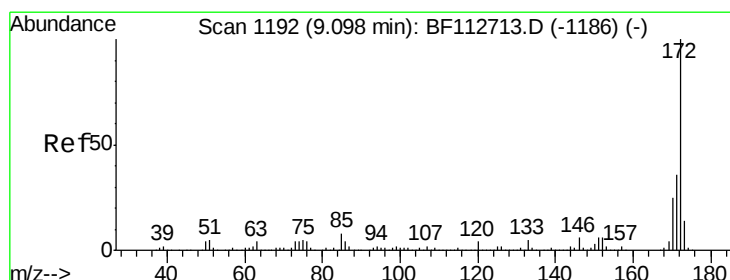
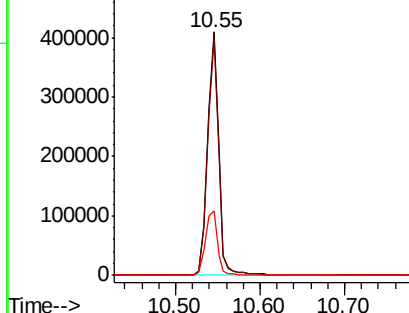
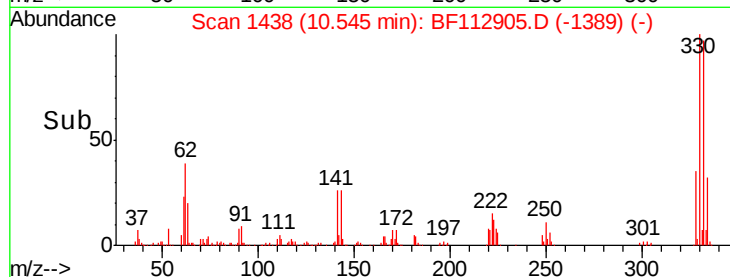
#42
 2,4,6-Tribromophenol
 Concen: 141.239 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112905.D
 Acq: 7 Mar 2019 2:32

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.2	114.4
141	28.5	27.0	40.6

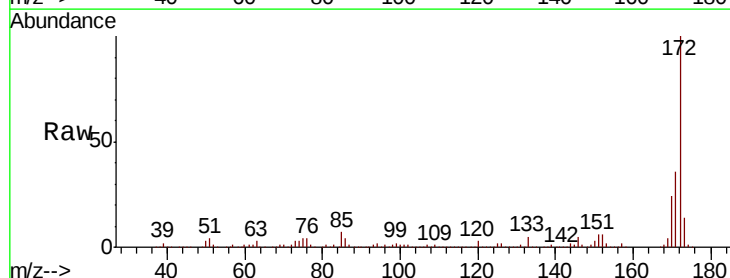


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

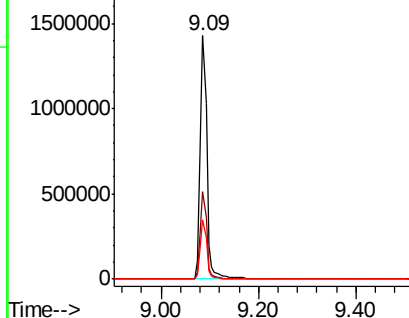
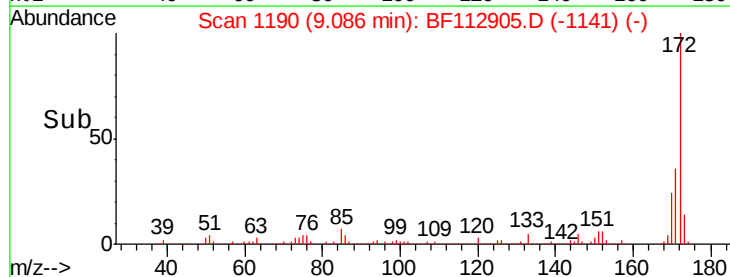


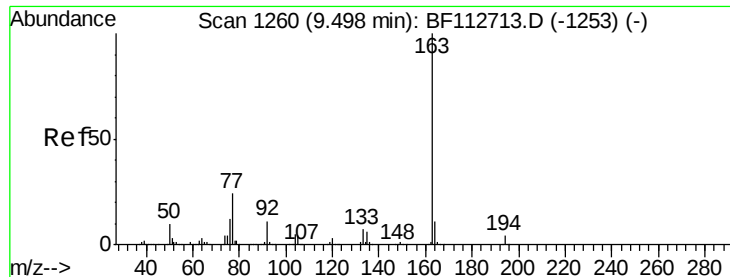
#45
 2-Fluorobiphenyl
 Concen: 89.471 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112905.D
 Acq: 7 Mar 2019 2:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	24.2	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

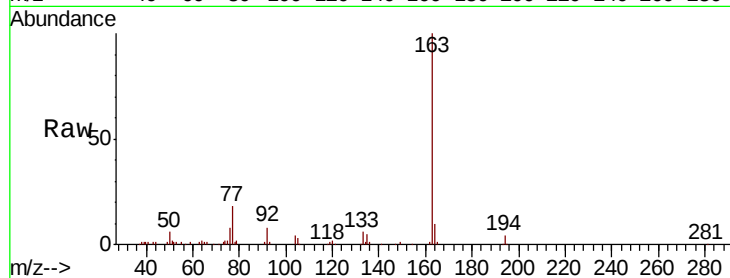




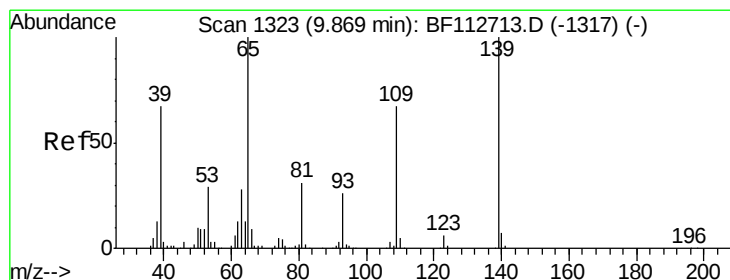
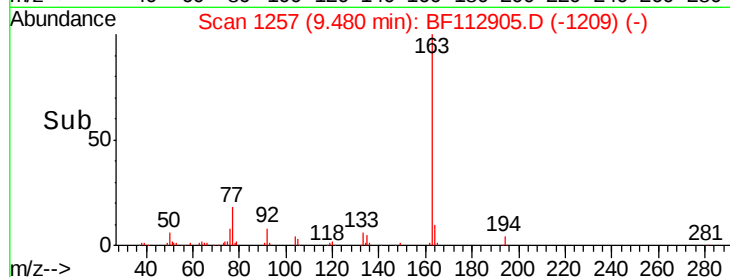
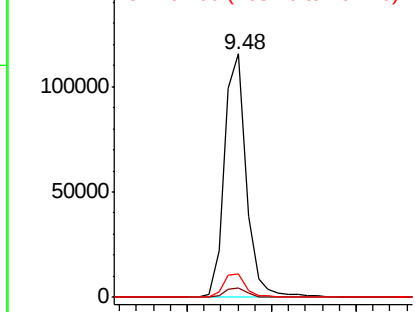
#50
Dimethylphthalate
Concen: 5.598 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	9.8	8.4	12.6

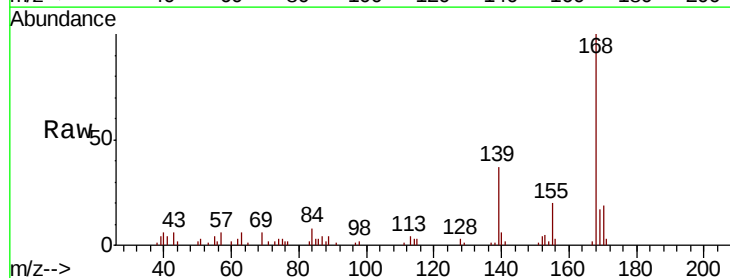


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

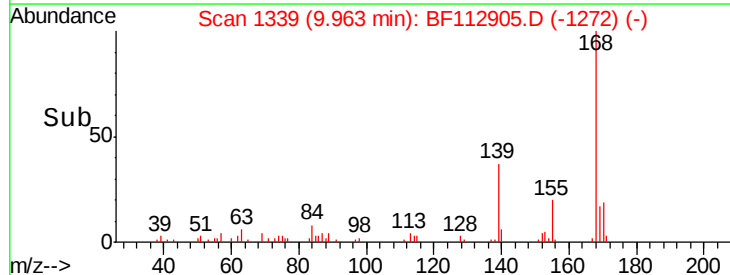
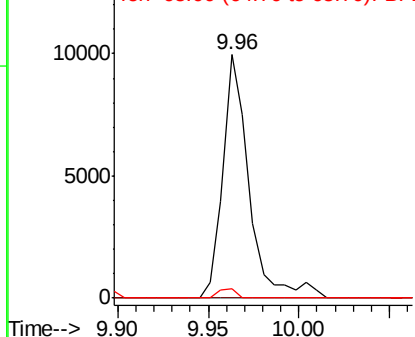


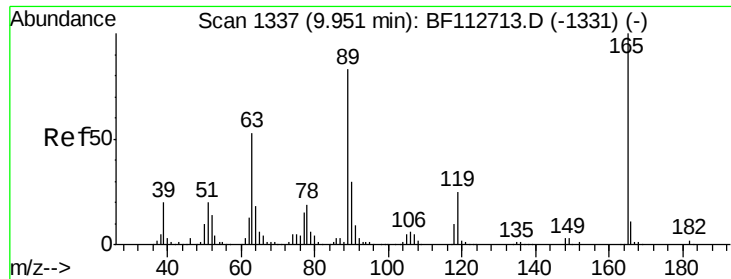
#56
4-Nitrophenol
Concen: 2.614 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.09 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	46.8	86.8#
65	3.7	80.7	120.7#



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

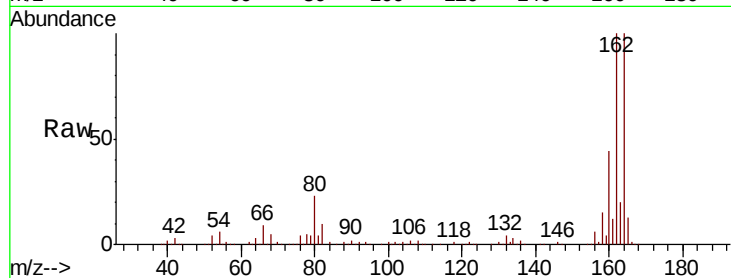




#57
2,4-Dinitrotoluene
Concen: 6.768 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.2	63.2#
89	1.2	66.2	99.4#
182	0.0	1.8	2.6#



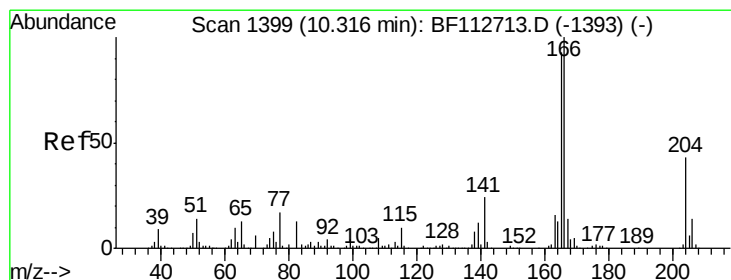
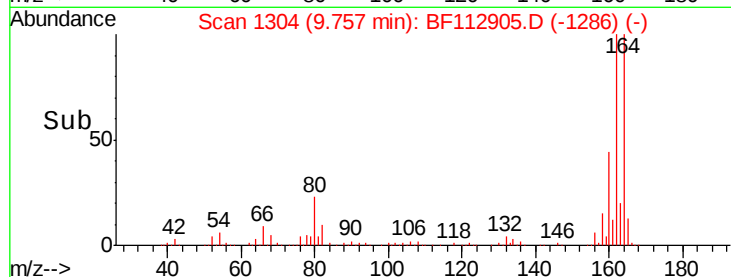
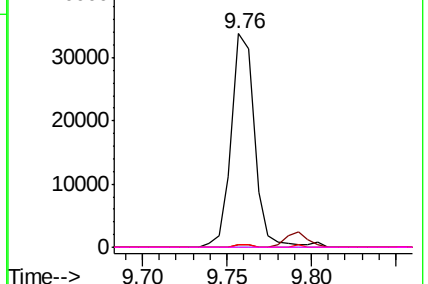
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

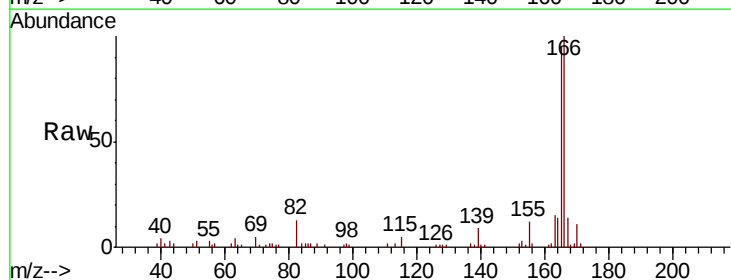
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 2.001 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.1	74.7	112.1
167	14.1	11.0	16.6

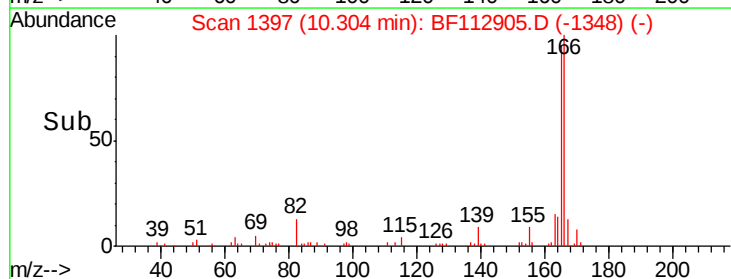
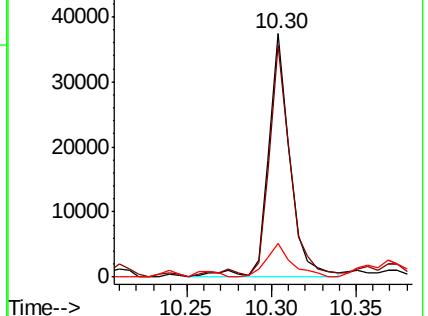


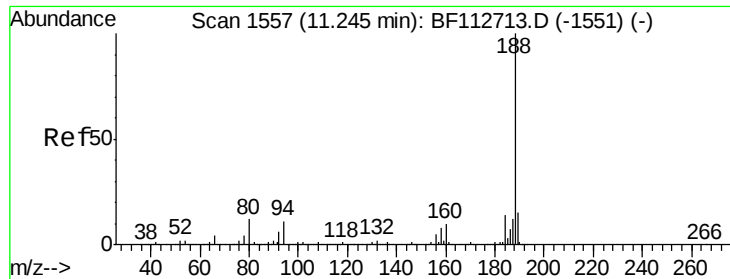
Abundance

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

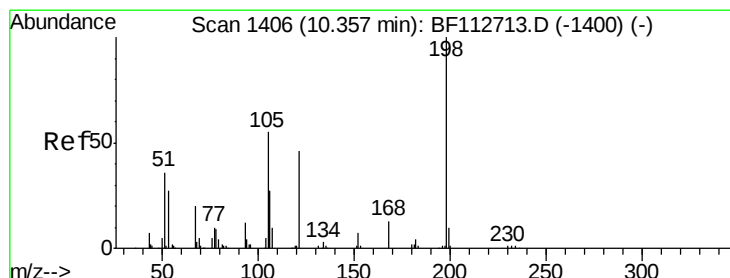
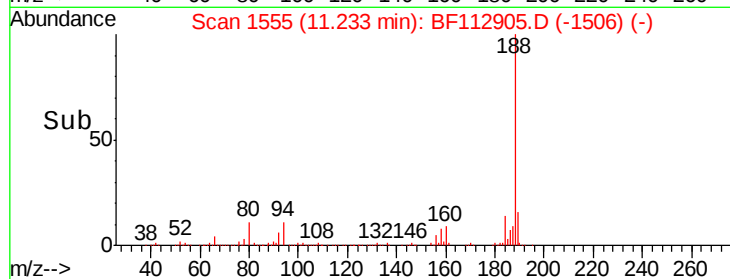
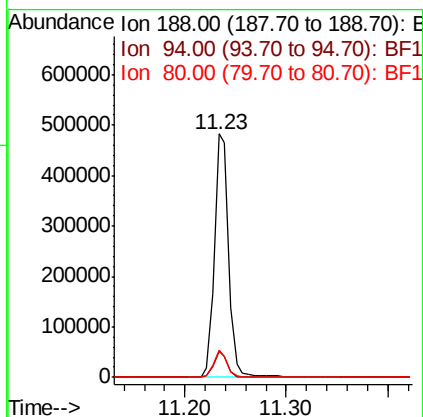
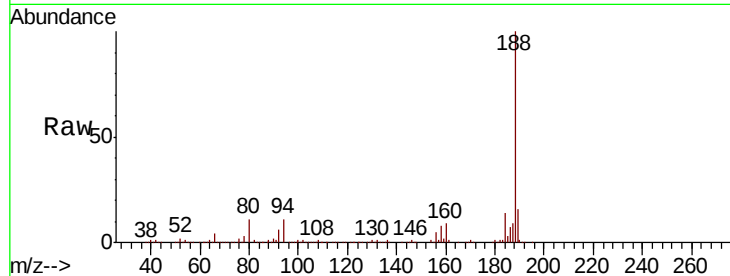




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

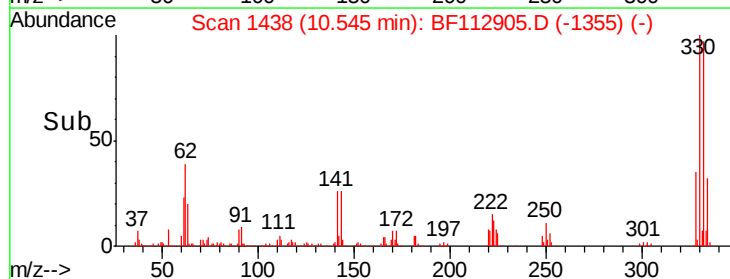
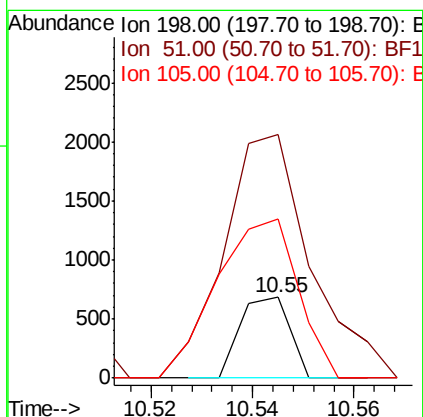
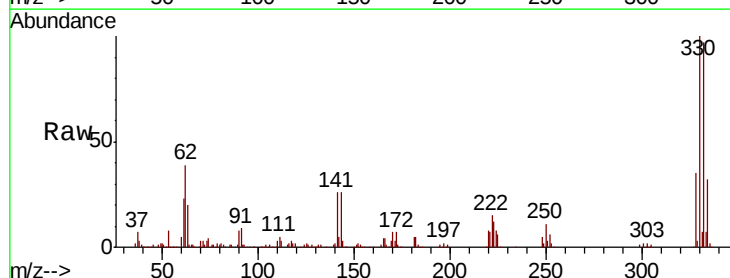
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

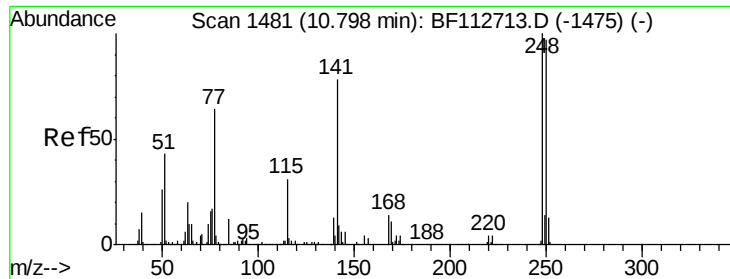
Tgt Ion:188 Resp: 469748
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.4
80 11.0 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.831 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion:198 Resp: 465
Ion Ratio Lower Upper
198 100
51 302.2 43.8 83.8#
105 197.7 36.5 76.5#

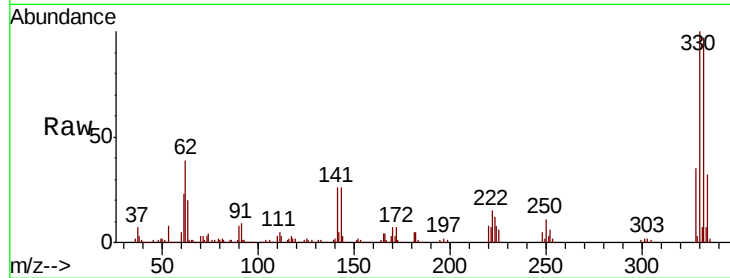




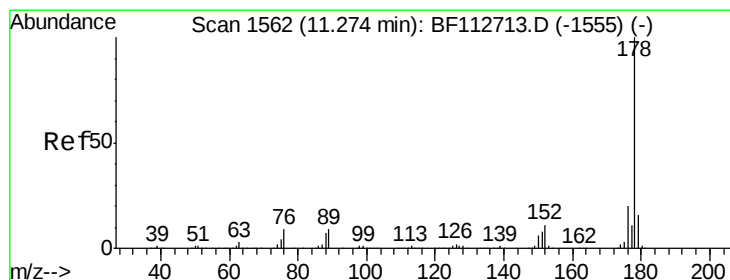
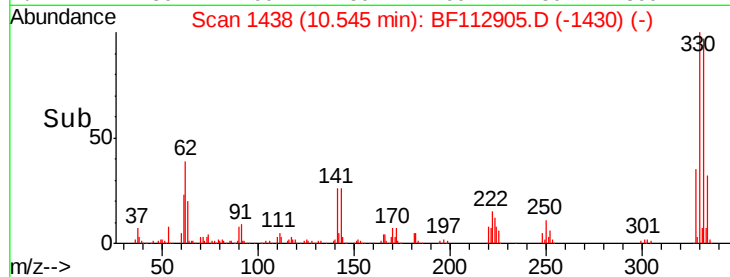
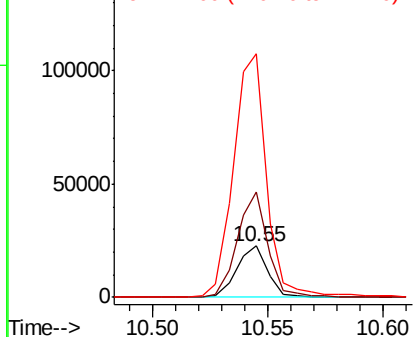
#67
 4-Bromophenyl-phenylether
 Concen: 4.263 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112905.D
 Acq: 7 Mar 2019 2:32

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Tgt Ion: 248 Resp: 21093
 Ion Ratio Lower Upper
 248 100
 250 207.0 77.5 116.3#
 141 477.3 62.4 93.6#

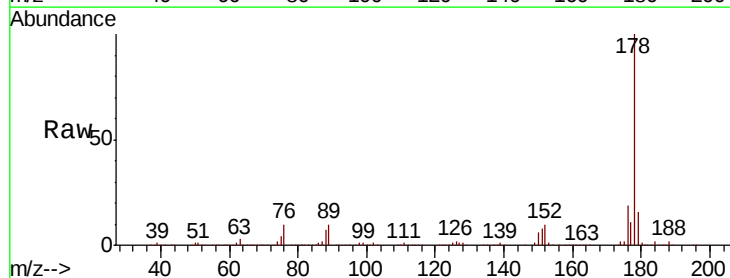


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

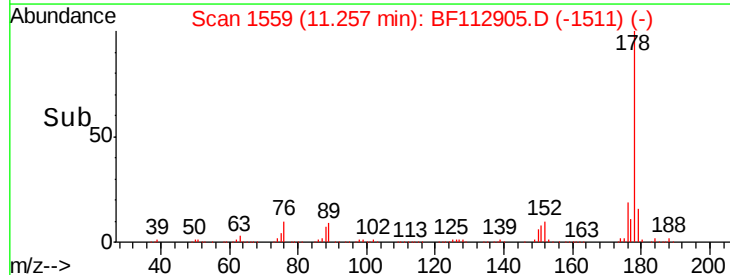
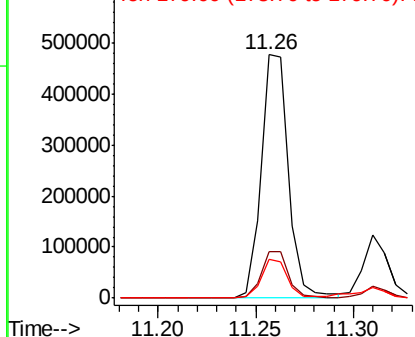


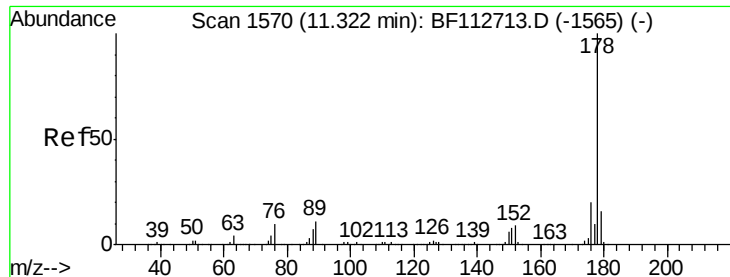
#71
 Phenanthrene
 Concen: 19.737 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF112905.D
 Acq: 7 Mar 2019 2:32

Tgt Ion: 178 Resp: 461291
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.3 24.5
 179 16.0 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





#72

Anthracene

Concen: 4.638 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

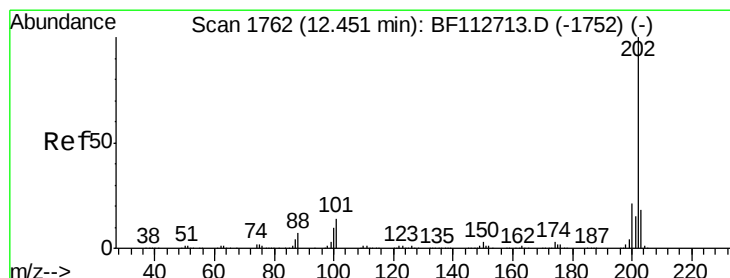
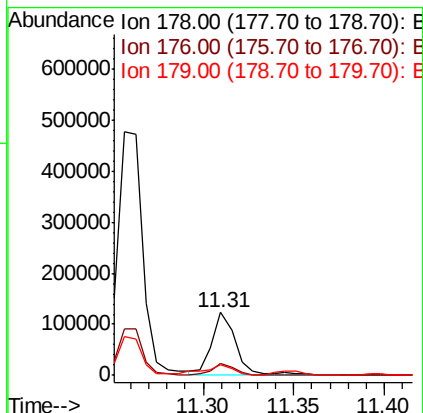
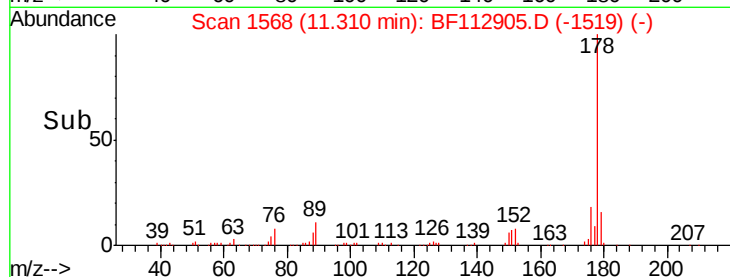
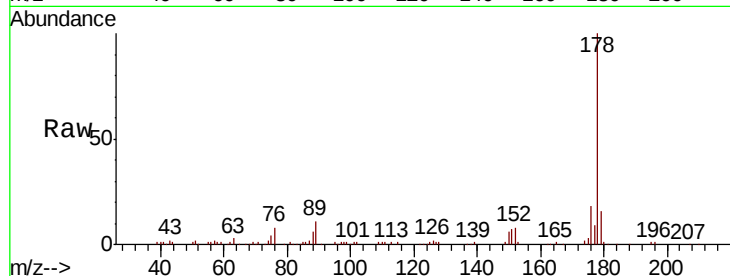
Tgt Ion:178 Resp: 113469

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.6

179 16.3 13.0 19.6



#75

Fluoranthene

Concen: 19.335 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

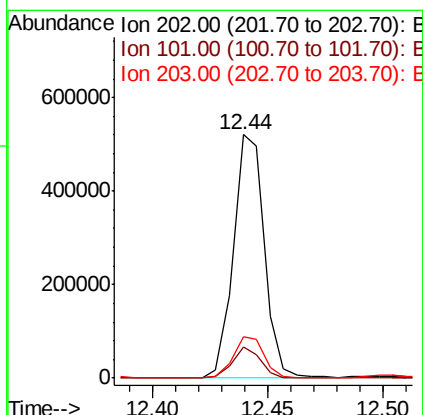
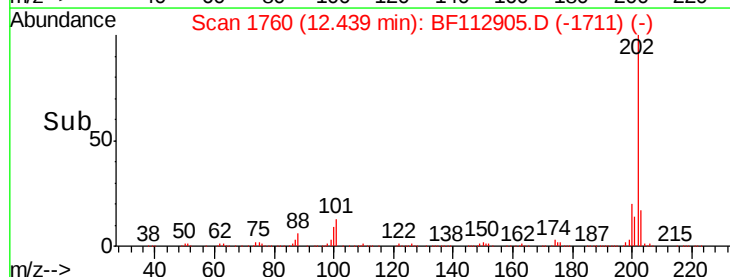
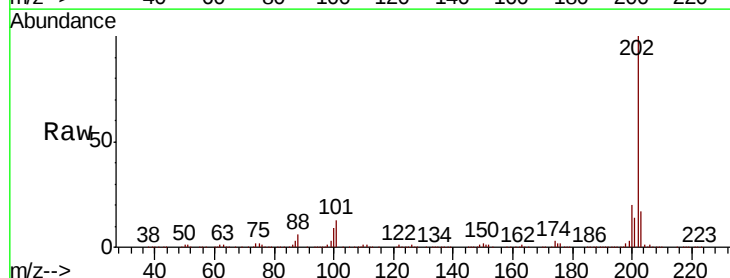
Tgt Ion:202 Resp: 484161

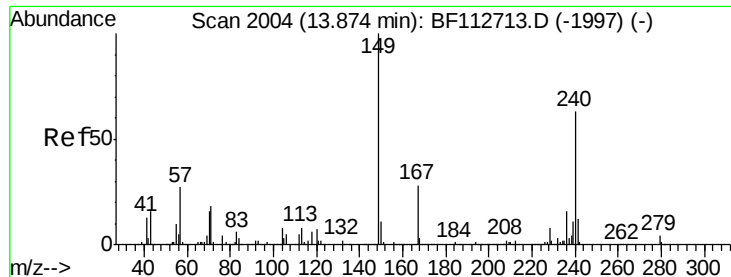
Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.8

203 17.2 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

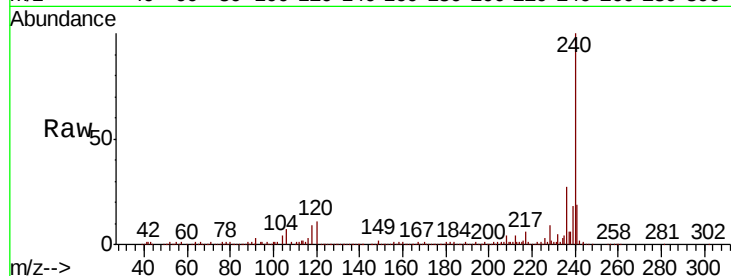
Tgt Ion:240 Resp: 341364

Ion Ratio Lower Upper

240 100

120 10.9 8.9 13.3

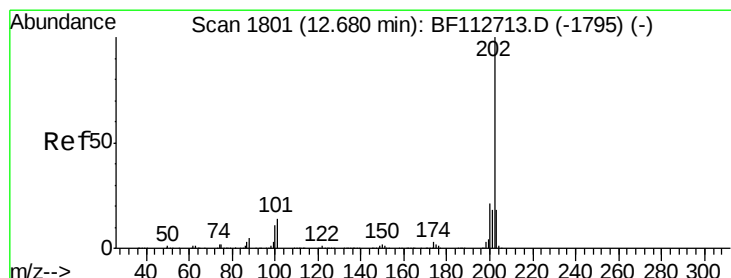
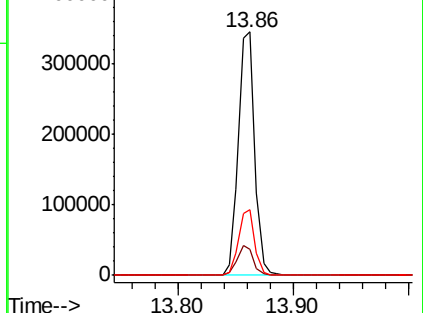
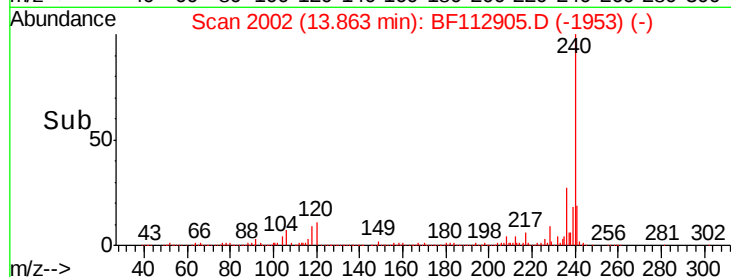
236 26.9 20.7 31.1



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: 14.432 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

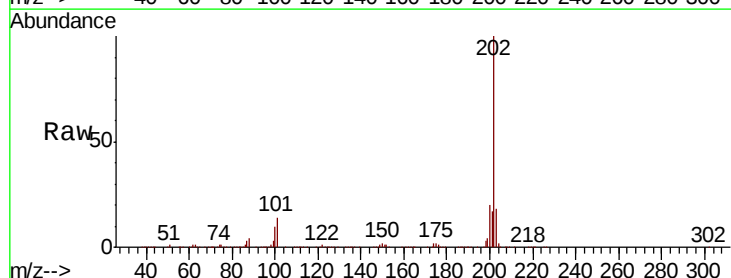
Tgt Ion:202 Resp: 415327

Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.4

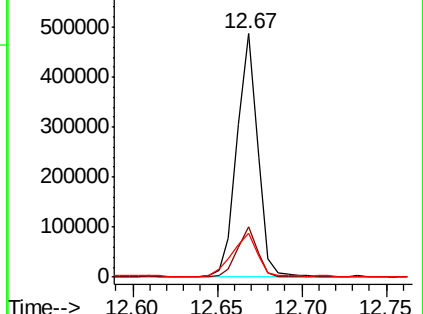
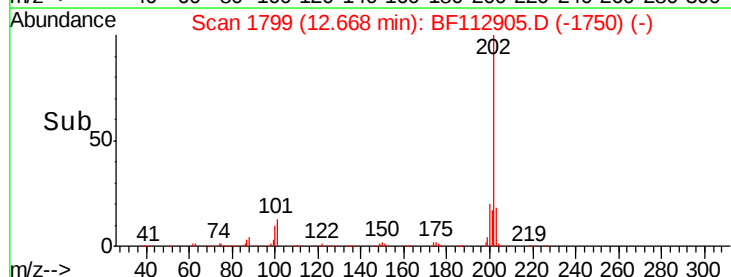
203 18.2 14.4 21.6

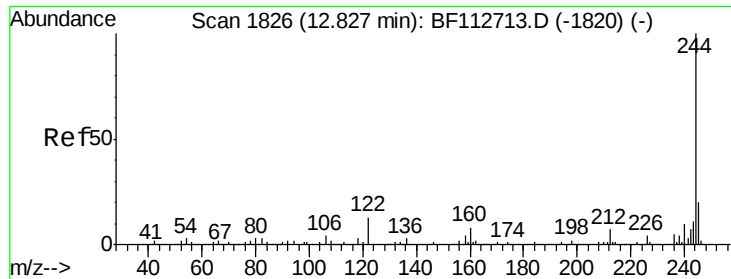


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

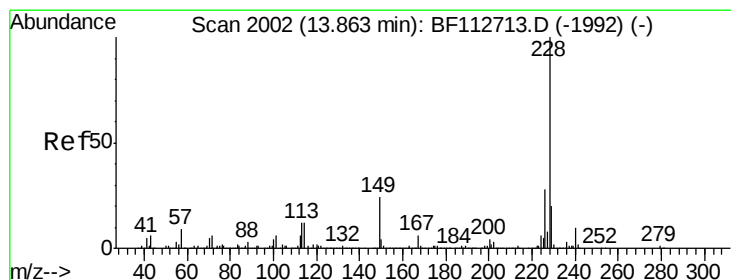
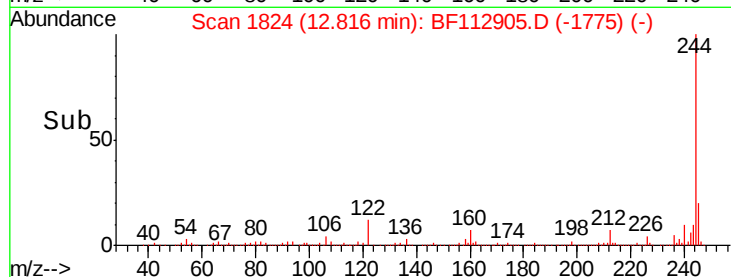
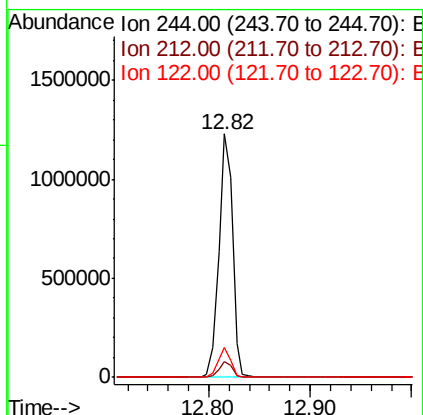
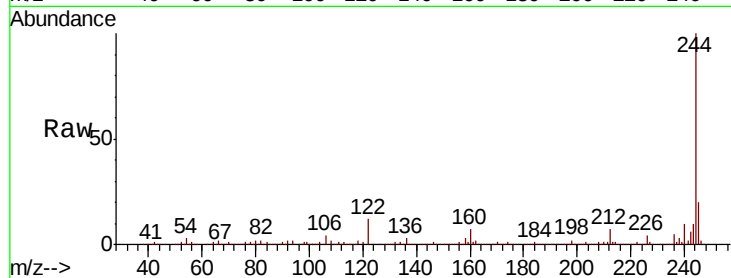




#79
 Terphenyl-d14
 Concen: 65.151 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112905.D
 Acq: 7 Mar 2019 2:32

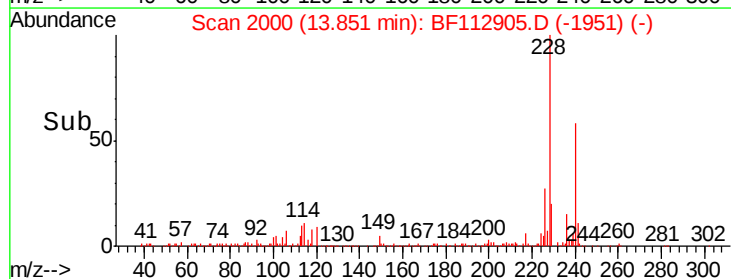
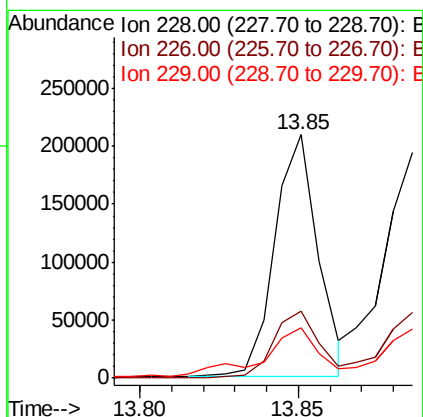
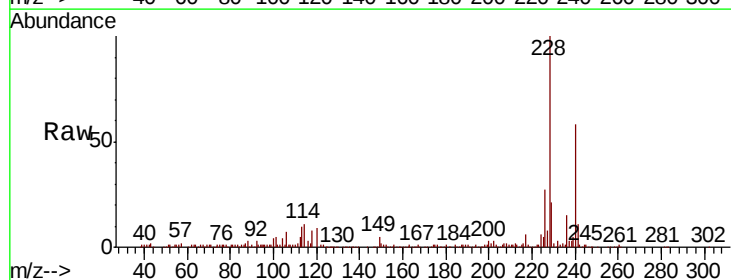
Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

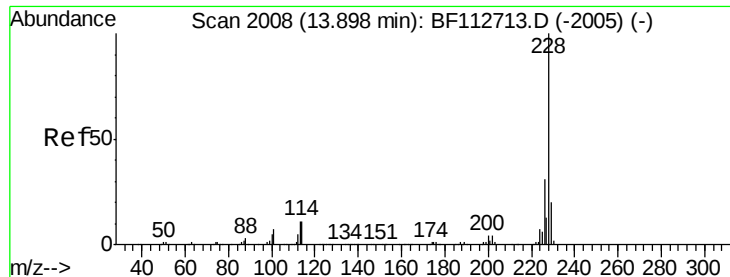
Tgt Ion:244 Resp: 1147283
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 12.5 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 8.410 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF112905.D
 Acq: 7 Mar 2019 2:32

Tgt Ion:228 Resp: 198973
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.2 33.4
 229 20.5 16.0 24.0





#83

Chrysene

Concen: 8.229 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

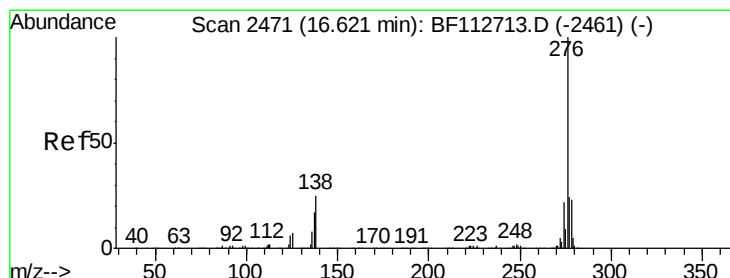
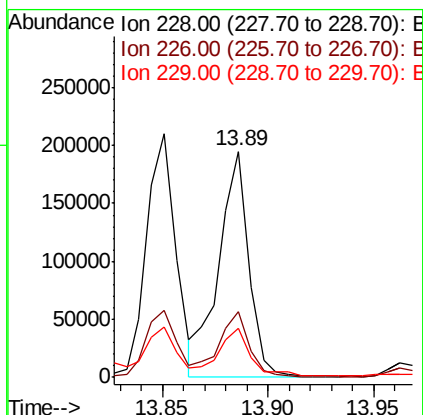
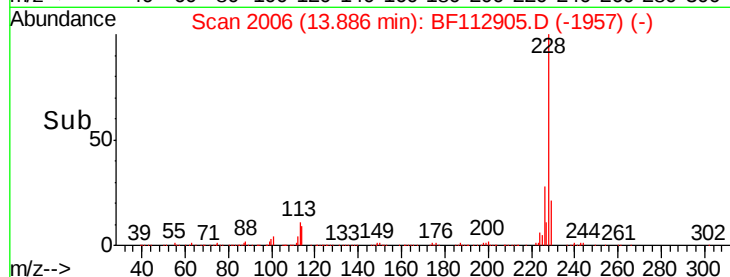
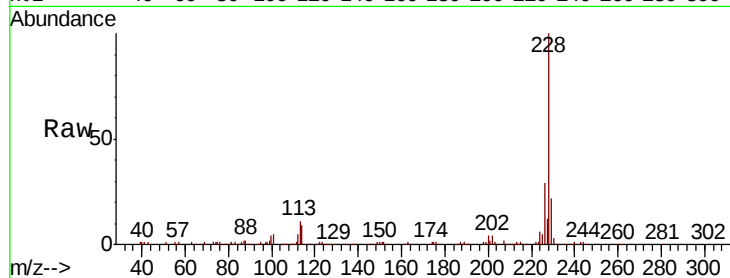
Tgt Ion:228 Resp: 190701

Ion Ratio Lower Upper

228 100

226 28.9 24.9 37.3

229 21.8 16.3 24.5



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.932 ng

RT: 16.61 min Scan# 2469

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

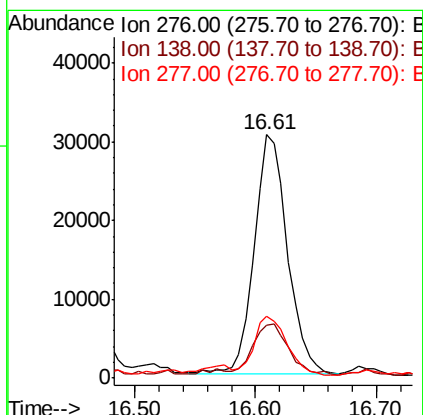
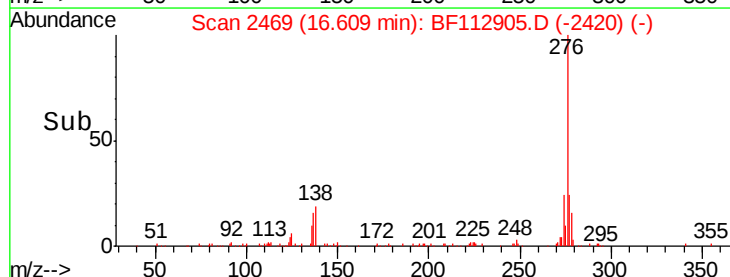
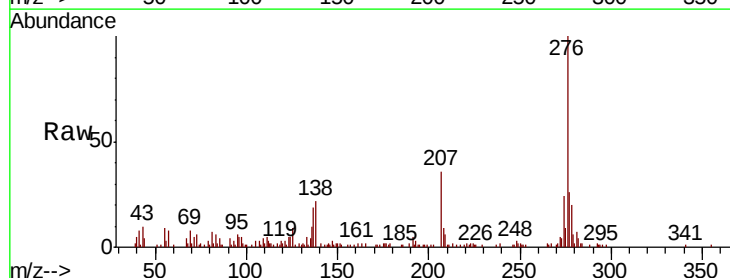
Tgt Ion:276 Resp: 57918

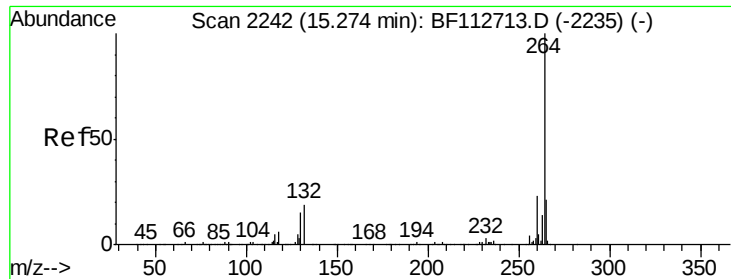
Ion Ratio Lower Upper

276 100

138 25.0 23.2 34.8

277 24.9 19.9 29.9

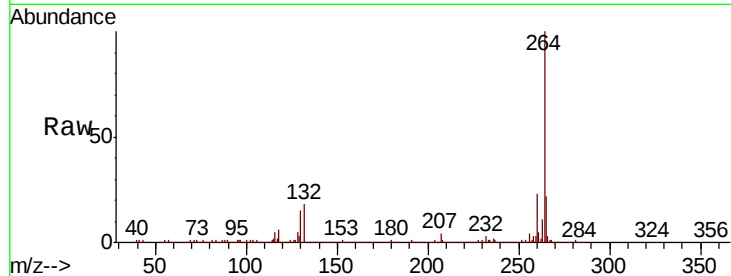




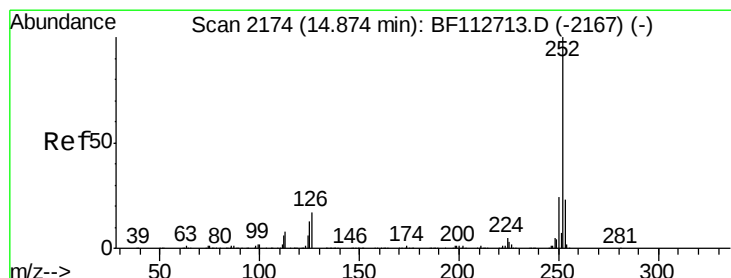
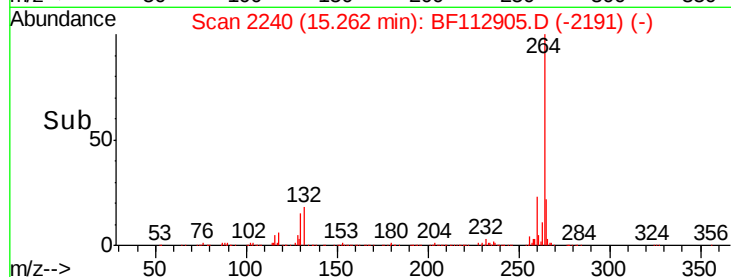
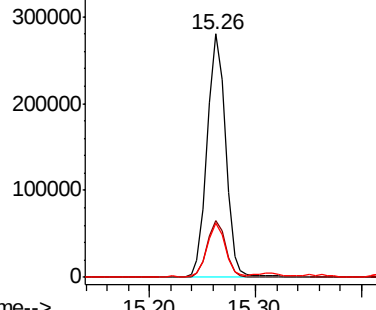
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tgt Ion:264 Resp: 337485
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 22.1 17.2 25.8

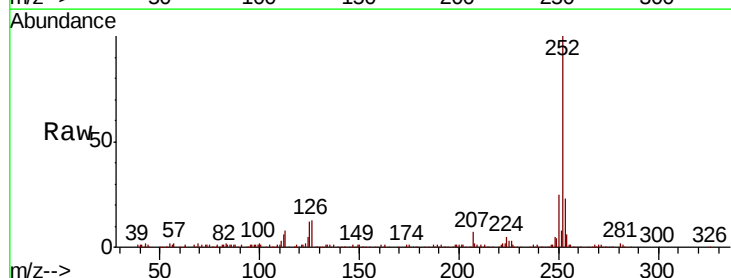


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

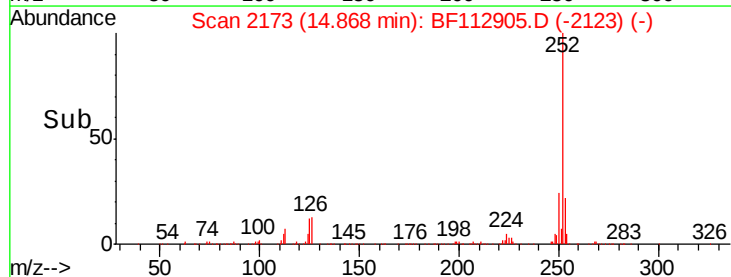
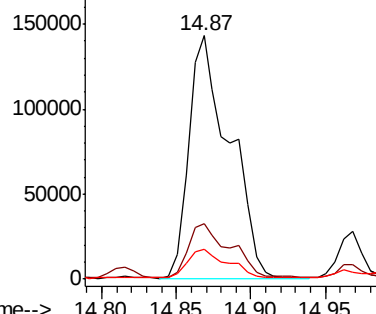


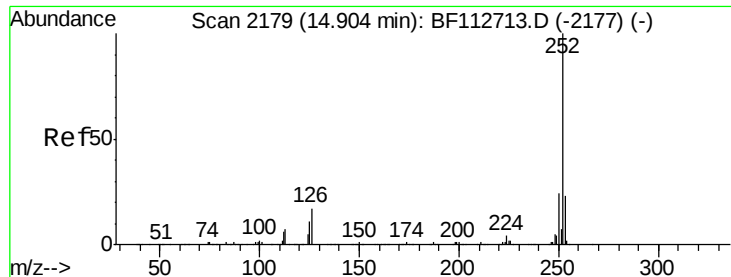
#88
Benzo(b)fluoranthene
Concen: 12.367 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion:252 Resp: 269976
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 12.4 10.2 15.2



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

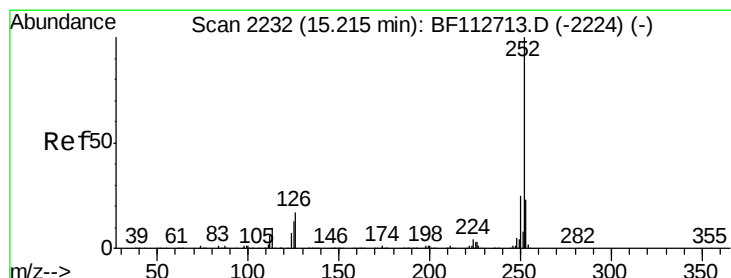
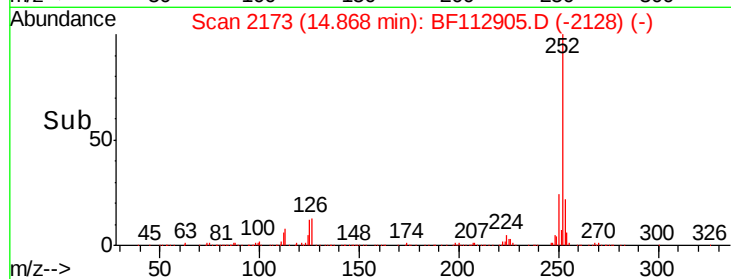
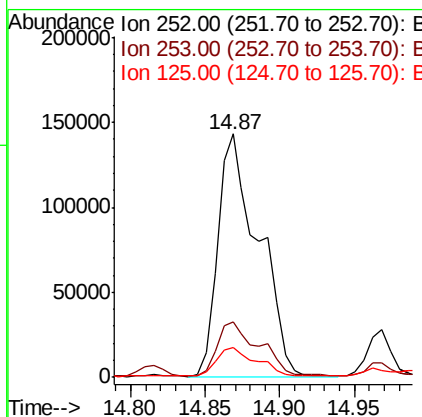
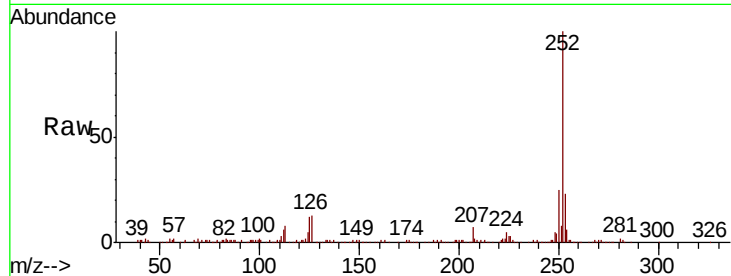




#89
Benzo(k)fluoranthene
Concen: 13.654 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

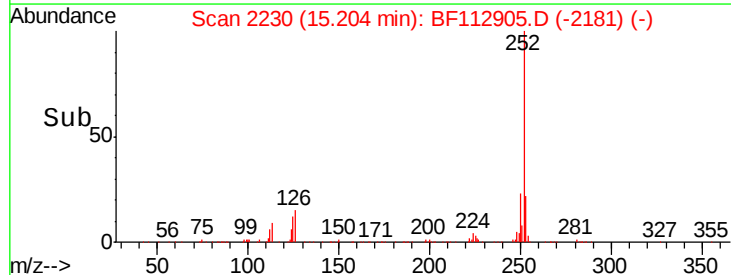
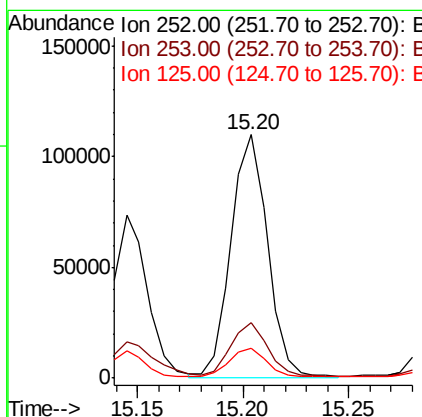
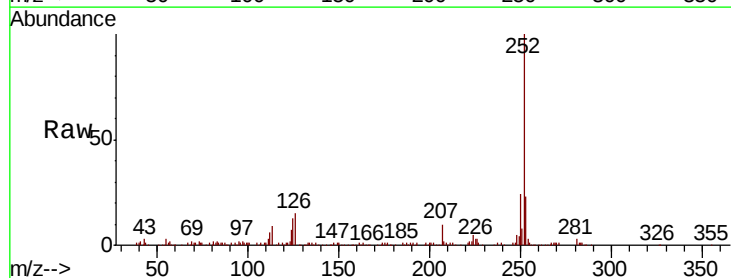
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

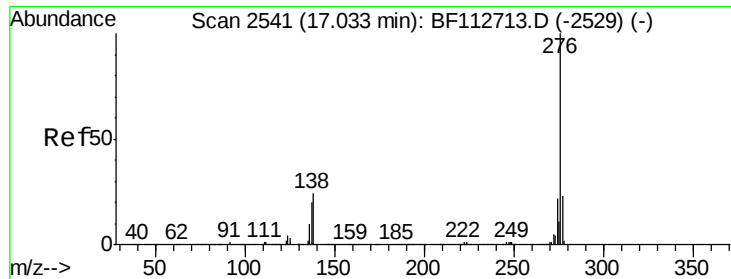
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	12.4	9.8	14.6



#90
Benzo(a)pyrene
Concen: 6.785 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.5	10.7	16.1





#92

Benzo(g,h,i)perylene

Concen: 2.905 ng

RT: 17.02 min Scan# 2538

Delta R.T. -0.02 min

Lab File: BF112905.D

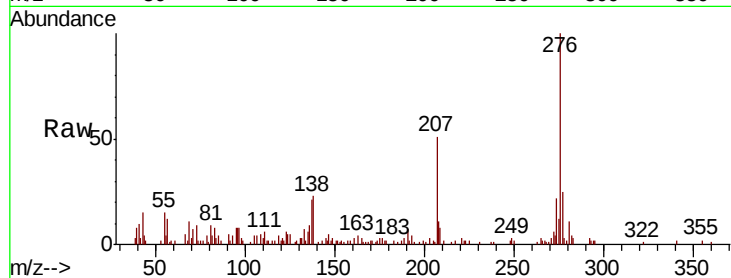
Acq: 7 Mar 2019 2:32

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719



Tgt Ion:	276	Resp:	48054
Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	27.8
138	23.0	19.4	29.0

