

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
 Data File : BF112904.D
 Acq On : 7 Mar 2019 2:05
 Operator : JU/SJ
 Sample : K1705-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW010-022719

Quant Time: Mar 07 04:53:04 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	205390	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	746976	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	317899	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	568013	20.00	ng	0.00
76) Chrysene-d12	13.86	240	566013	20.00	ng	-0.01
87) Perylene-d12	15.26	264	552109	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	987901	74.82	ng	0.00
7) Phenol-d6	6.36	99	1241447	74.85	ng	0.00
23) Nitrobenzene-d5	7.29	82	731149	58.57	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	291704	86.43	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1177531	56.10	ng	-0.01
79) Terphenyl-d14	12.82	244	1044868	35.78	ng	-0.01

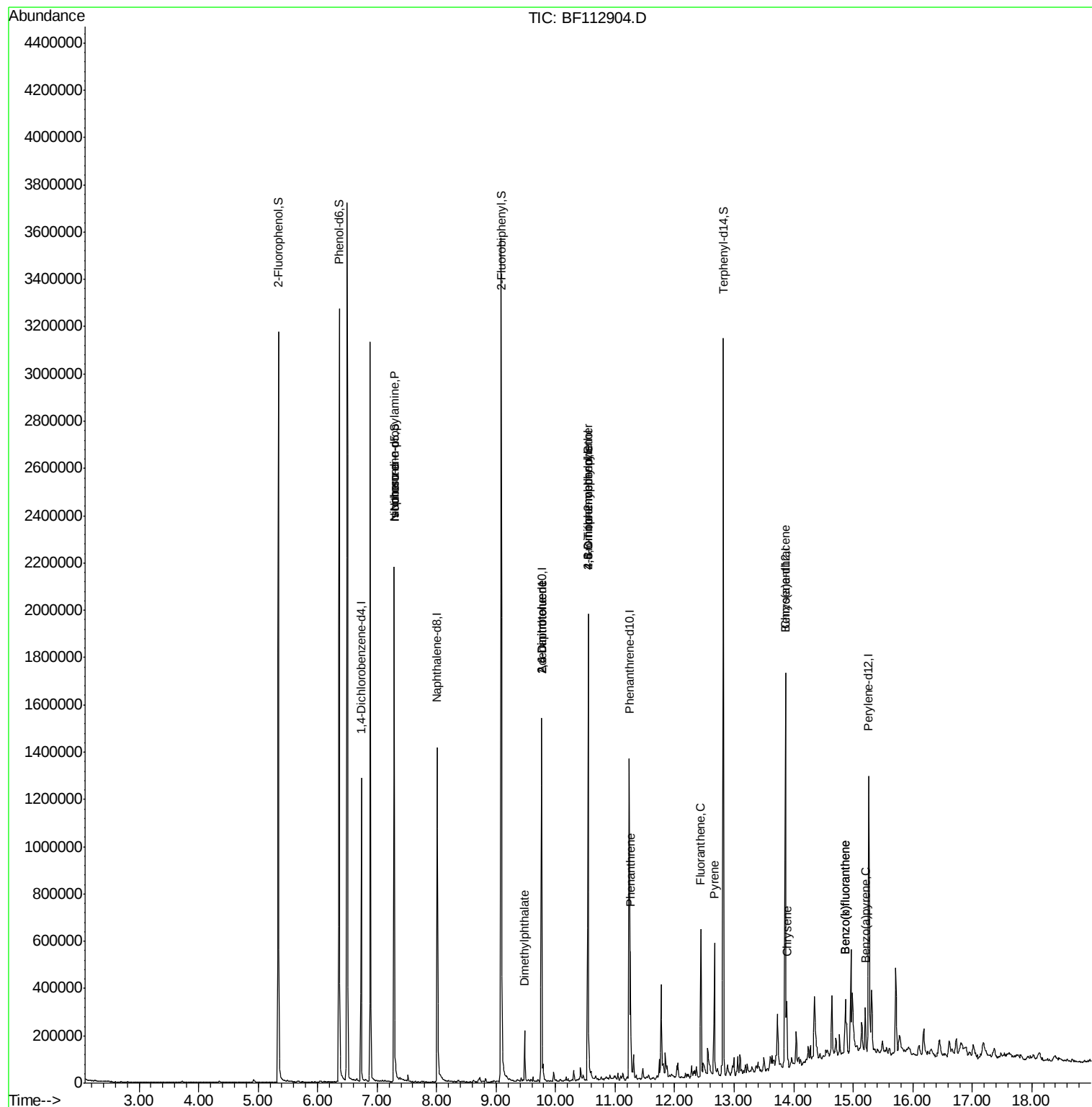
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	95594	9.100	ng	# 75
25) Isophorone	7.29	82	726773	27.024	ng	# 66
50) Dimethylphthalate	9.48	163	94565	4.034	ng	100
51) 2,6-Dinitrotoluene	9.76	165	40847	8.368	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	40848	6.732	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.54	198	324	4.738	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	16100	2.691	ng	# 1
71) Phenanthrene	11.26	178	201359	7.125	ng	98
75) Fluoranthene	12.44	202	274253	9.058	ng	95
78) Pyrene	12.67	202	229086	4.801	ng	97
81) Benzo(a)anthracene	13.85	228	109967	2.803	ng	97
83) Chrysene	13.89	228	114546	2.981	ng	96
88) Benzo(b)fluoranthene	14.87	252	172511	4.831	ng	98
89) Benzo(k)fluoranthene	14.87	252	172511	5.333	ng	98
90) Benzo(a)pyrene	15.20	252	87264	2.763	ng	98

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

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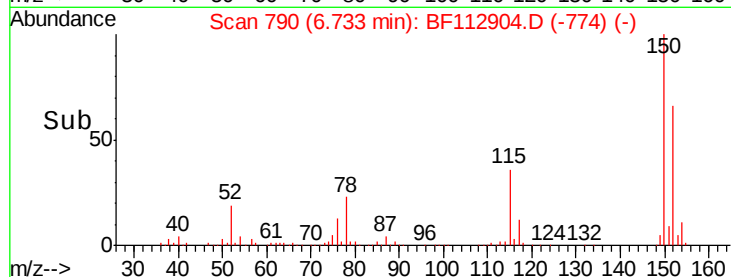
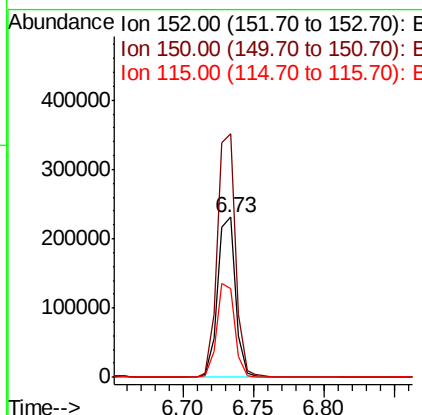
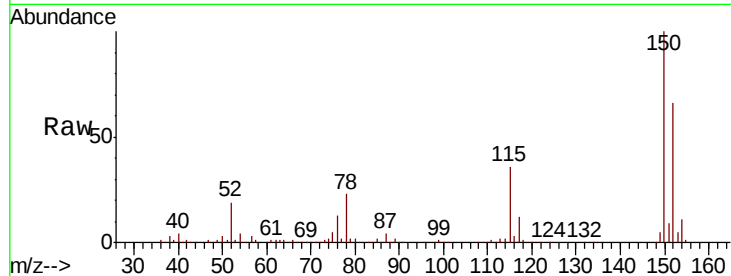


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW010-022719

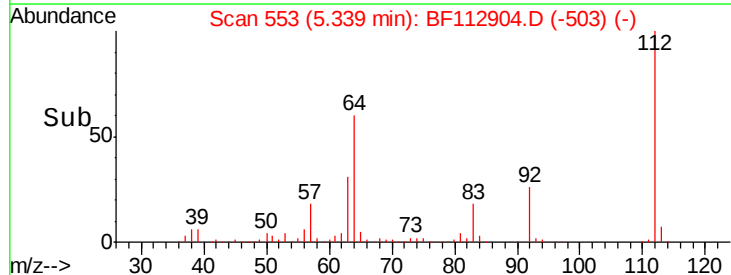
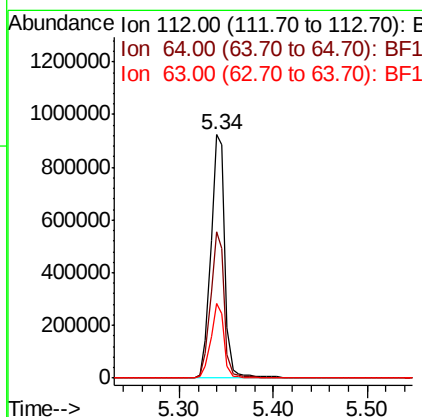
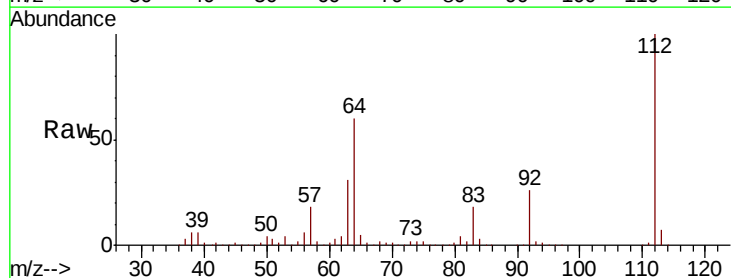
Tgt Ion:152 Resp: 205390
 Ion Ratio Lower Upper
 152 100
 150 152.1 124.2 186.2
 115 55.1 48.2 72.4

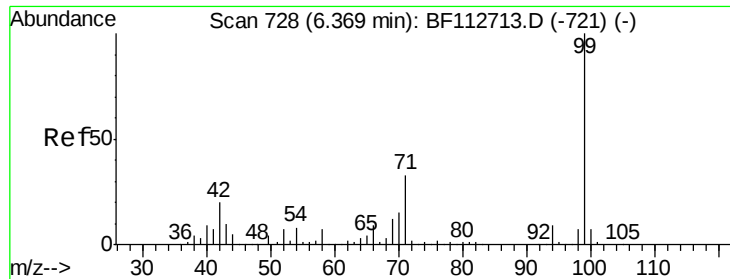


#5

2-Fluorophenol
 Concen: 74.820 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Tgt Ion:112 Resp: 987901
 Ion Ratio Lower Upper
 112 100
 64 60.3 47.6 71.4
 63 30.8 24.4 36.6





#7

Phenol-d6

Concen: 74.849 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW010-022719

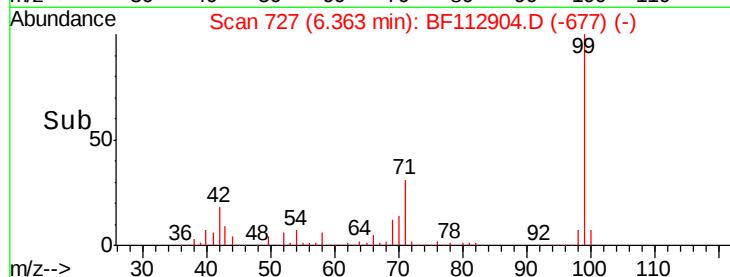
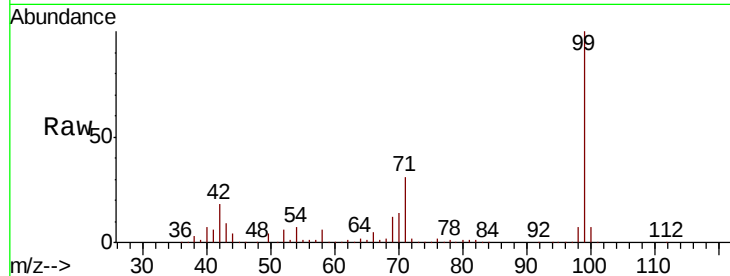
Tgt Ion: 99 Resp: 1241447

Ion Ratio Lower Upper

99 100

42 18.3 16.3 24.5

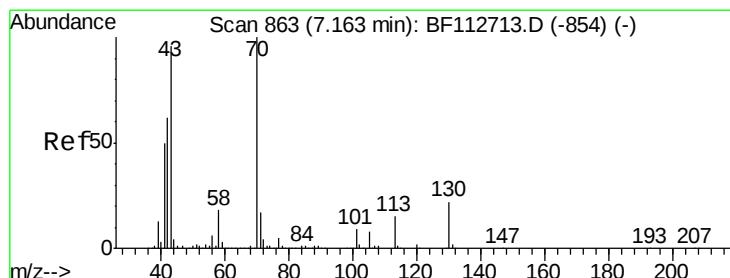
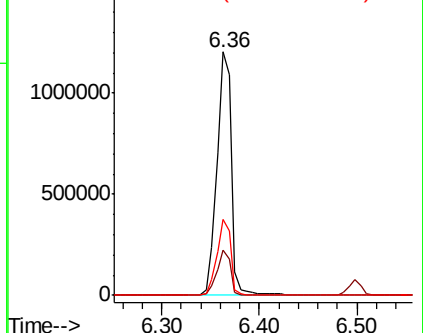
71 31.3 26.2 39.4



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: 9.100 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

Tgt Ion: 70 Resp: 95594

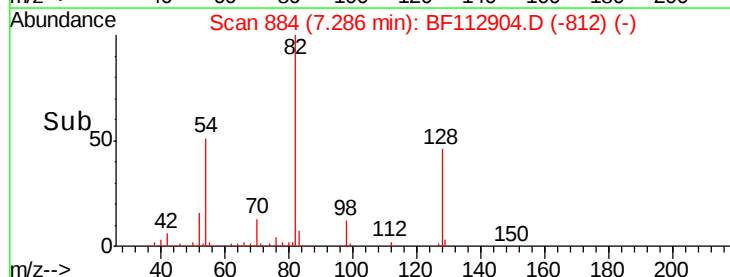
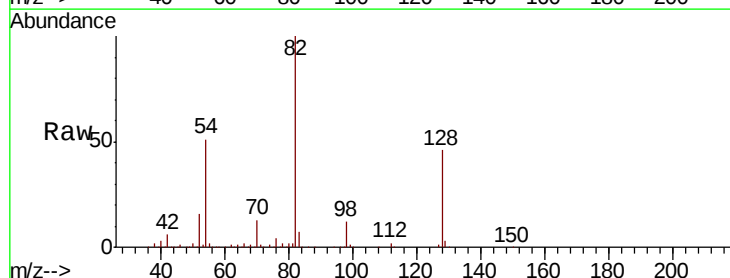
Ion Ratio Lower Upper

70 100

42 48.0 49.9 74.9#

101 0.0 7.4 11.2#

130 2.3 17.4 26.2#

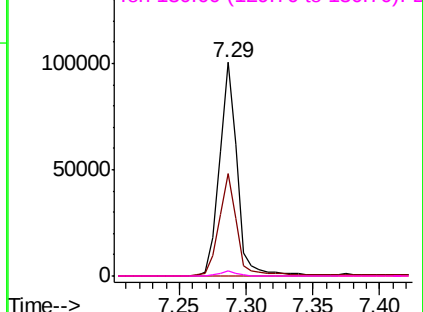


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

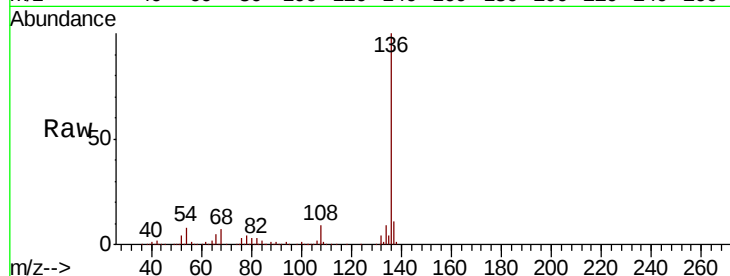




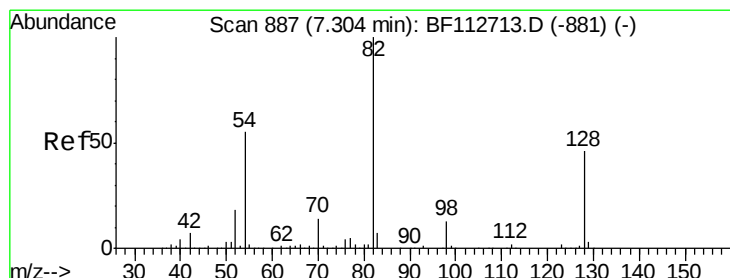
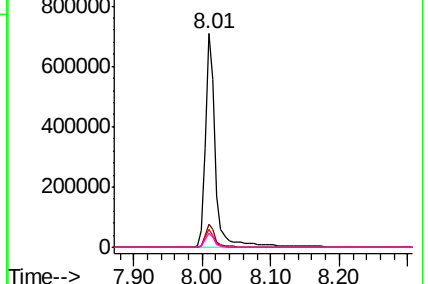
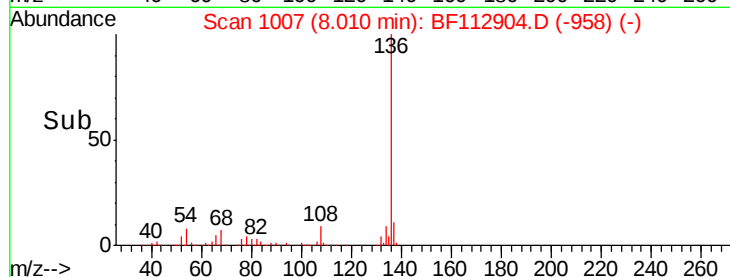
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Instrument :
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EXT-028-SW010-022719

Tgt Ion:	136	Resp:	746976
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.4	7.3	10.9
68	6.9	5.4	8.2

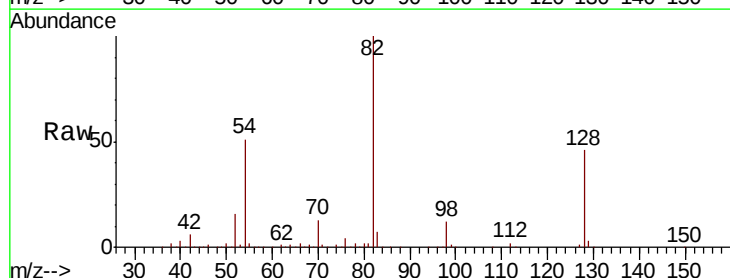


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

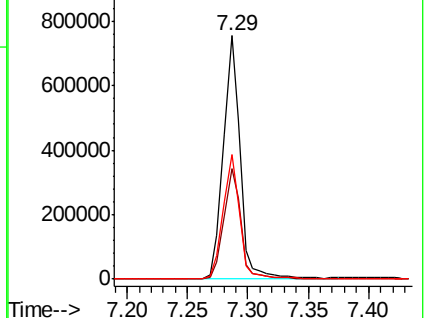
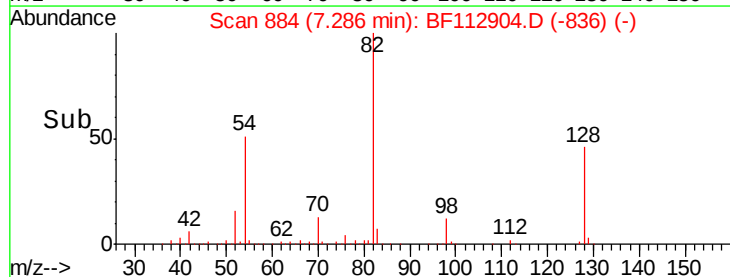


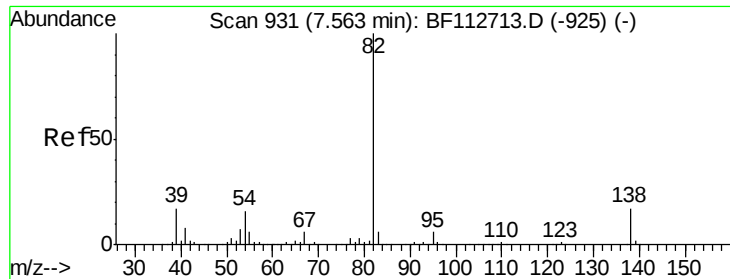
#23
Nitrobenzene-d5
Concen: 58.570 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Tgt Ion:	82	Resp:	731149
Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.3	54.5
54	51.0	43.7	65.5



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: 27.024 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW010-022719

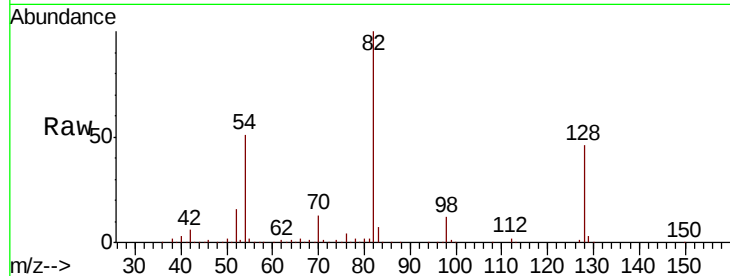
Tgt Ion: 82 Resp: 726773

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

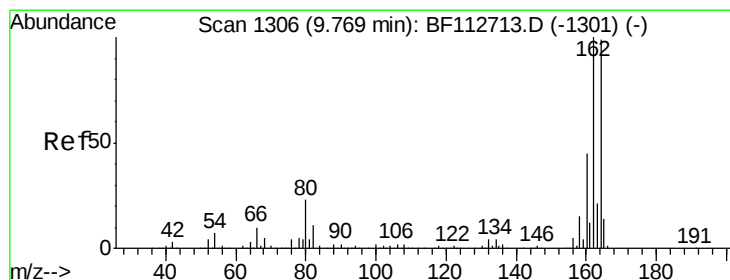
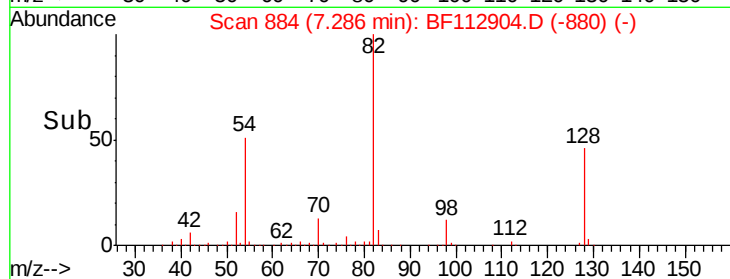
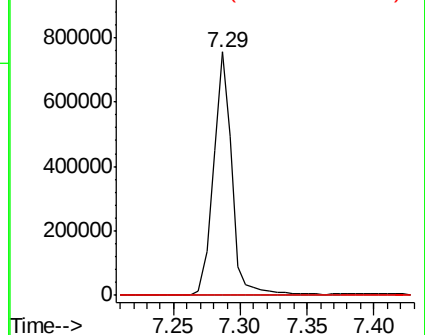
138 0.0 13.8 20.8#



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# 1305

Delta R.T. -0.01 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

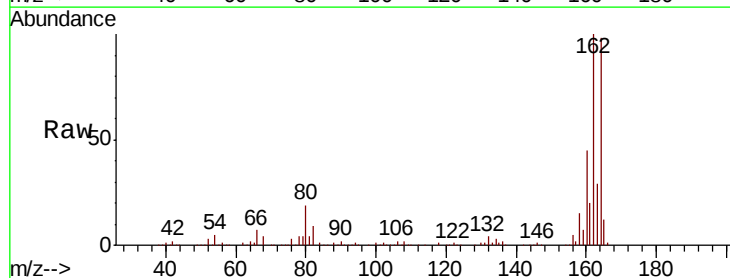
Tgt Ion: 164 Resp: 317899

Ion Ratio Lower Upper

164 100

162 102.3 80.6 120.8

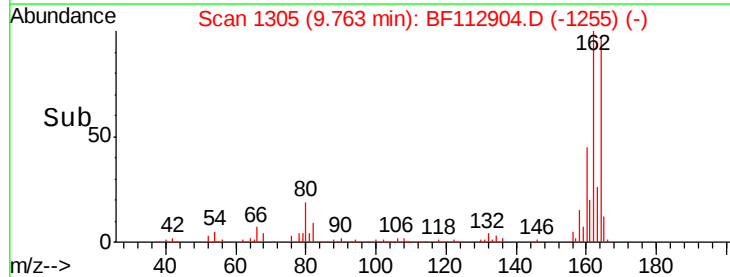
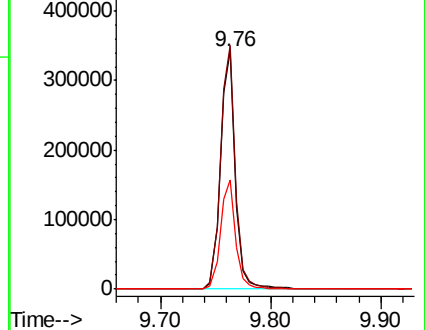
160 45.9 36.0 54.0

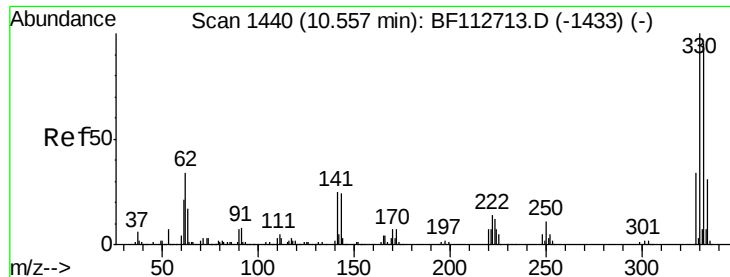


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

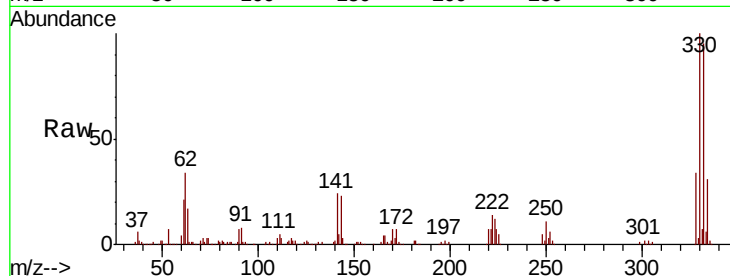




#42
 2,4,6-Tribromophenol
 Concen: 86.433 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.2	114.4
141	28.2	27.0	40.6

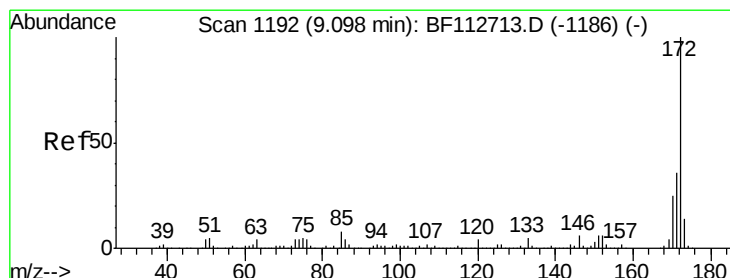
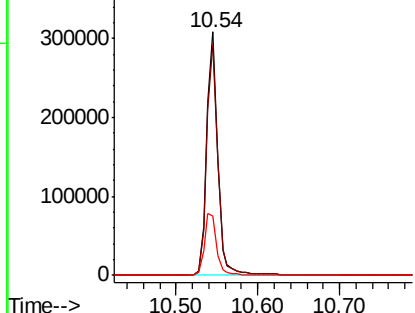
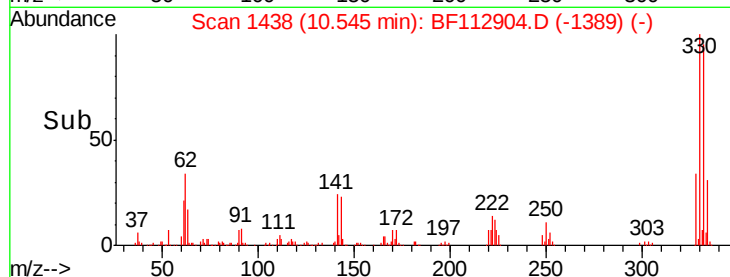


Abundance

Ion 329.80 (329.50 to 330.50): E

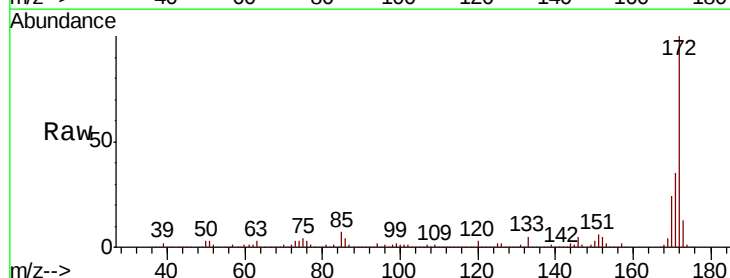
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 56.095 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.4
170	24.2	20.0	30.0

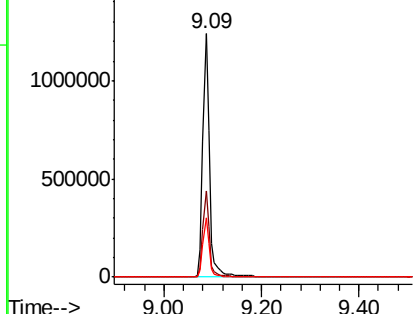
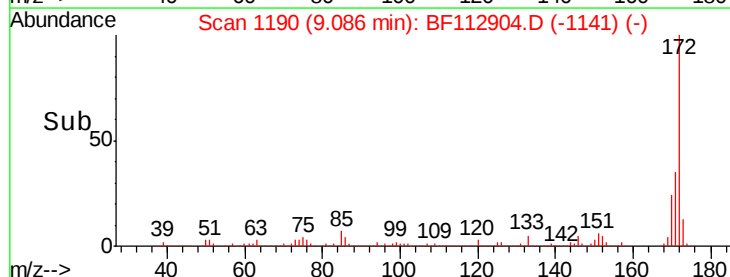


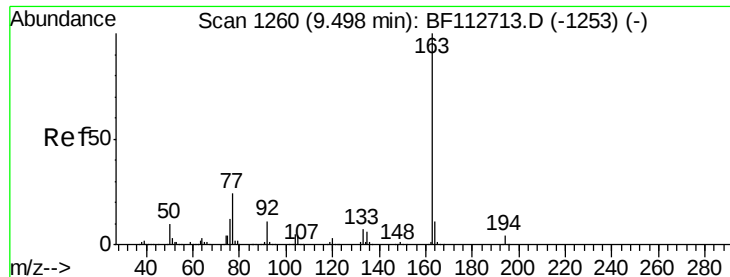
Abundance

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: 4.034 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

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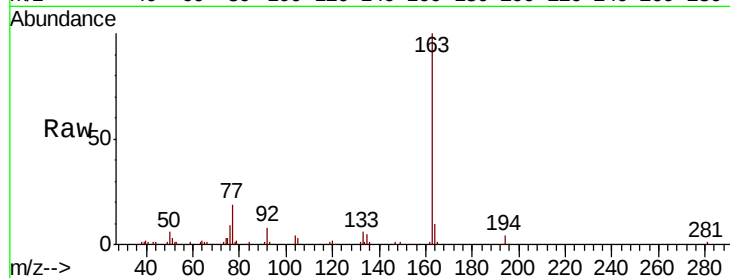
Tgt Ion:163 Resp: 94565

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.4

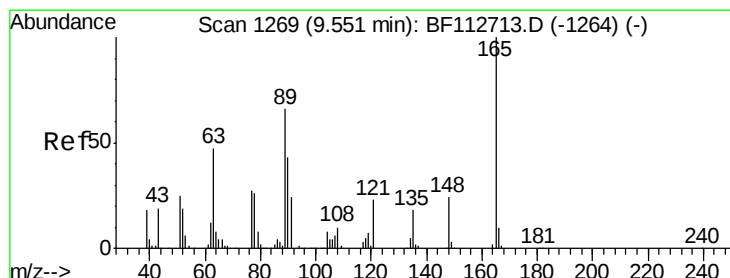
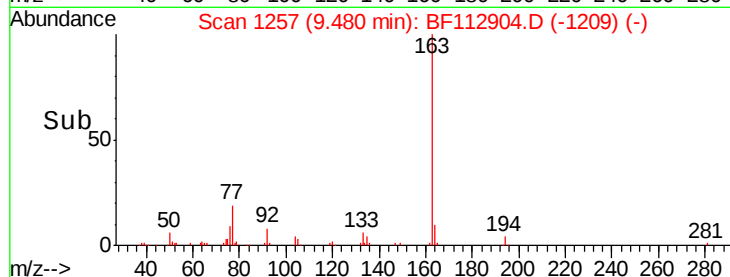
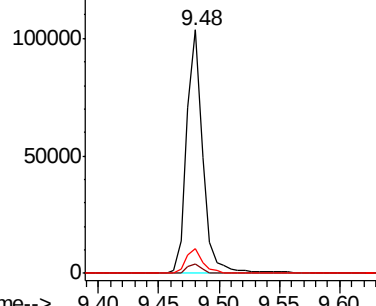
164 10.4 8.4 12.6



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: 8.368 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

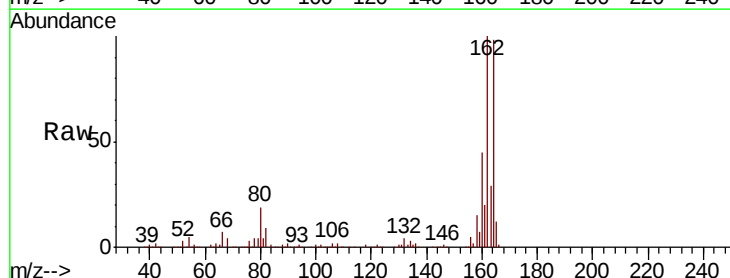
Tgt Ion:165 Resp: 40847

Ion Ratio Lower Upper

165 100

63 1.4 54.1 81.1#

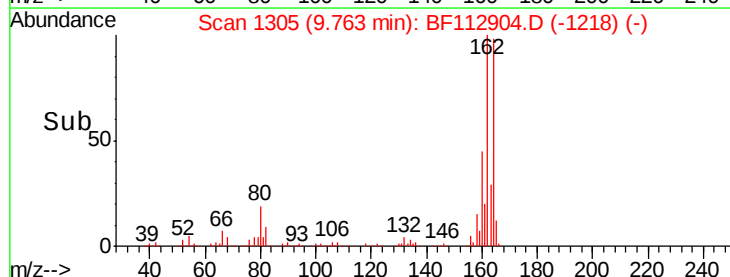
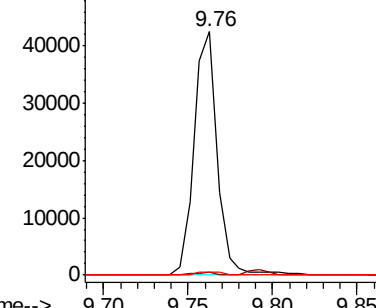
89 1.1 52.8 79.2#



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

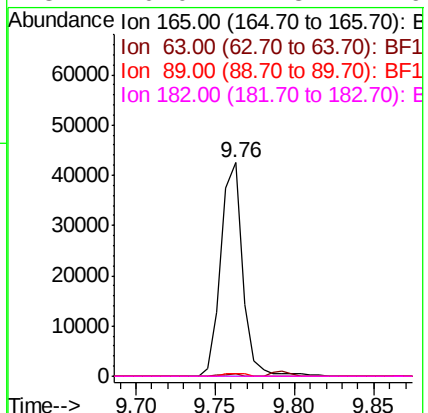
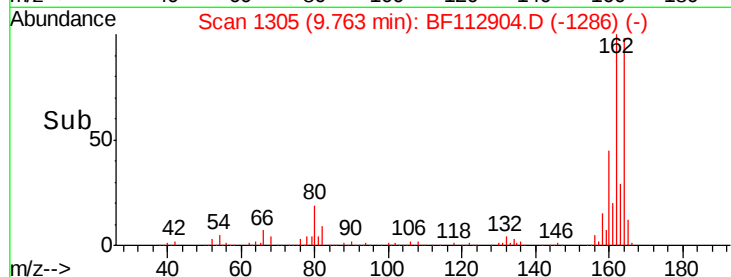
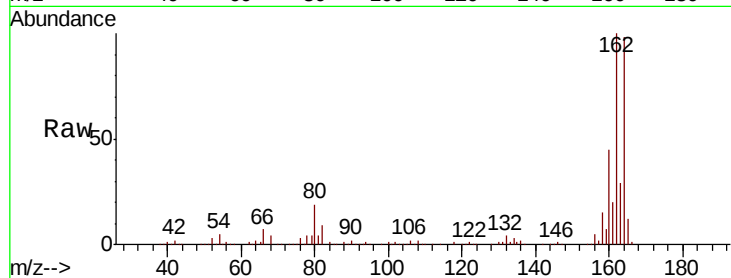




#57
2,4-Dinitrotoluene
Concen: 6.732 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

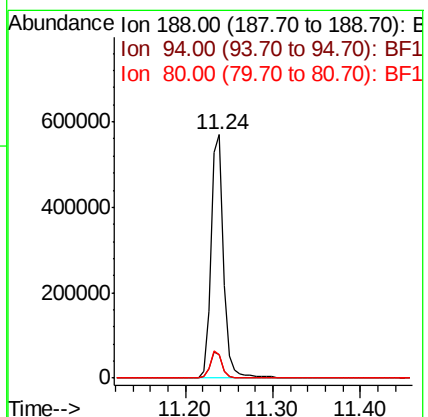
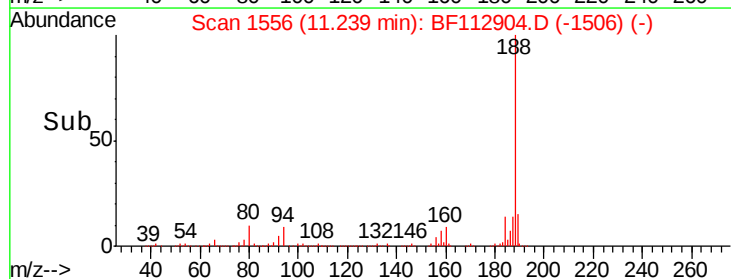
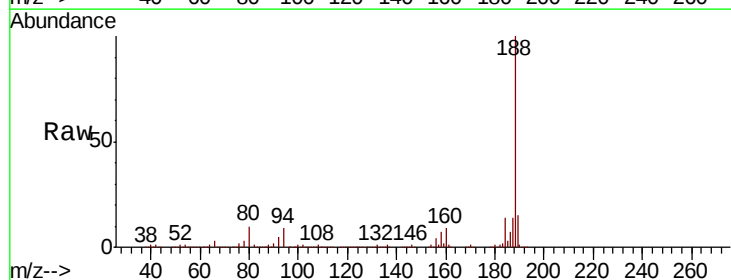
Instrument :
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EXT-028-SW010-022719

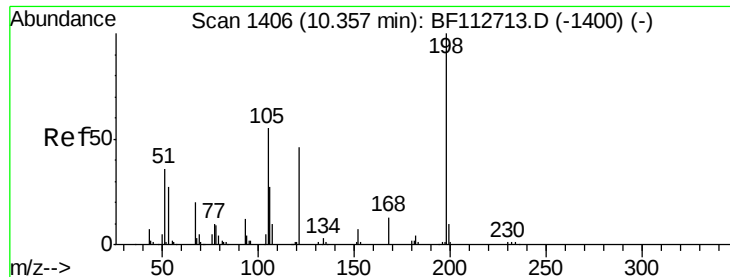
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.2	63.2#
89	1.1	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.0	13.4
80	9.6	9.2	13.8

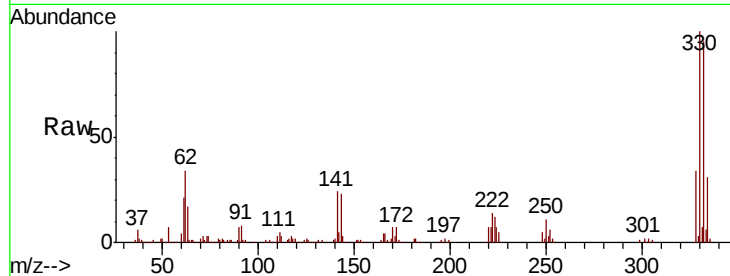




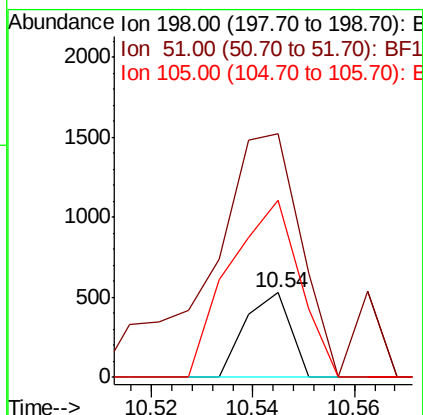
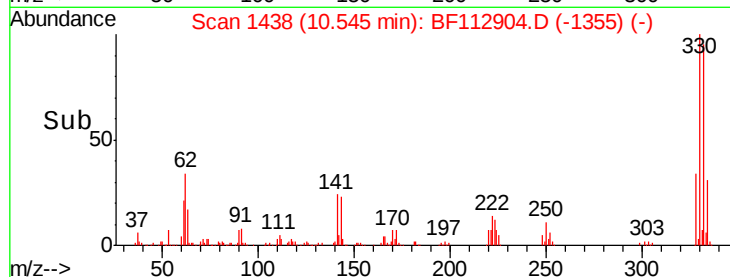
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.738 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW010-022719

Tgt Ion:198 Resp: 324
 Ion Ratio Lower Upper
 198 100
 51 288.8 43.8 83.8#
 105 210.4 36.5 76.5#

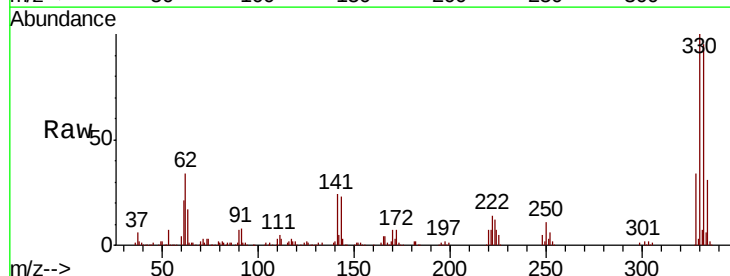


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

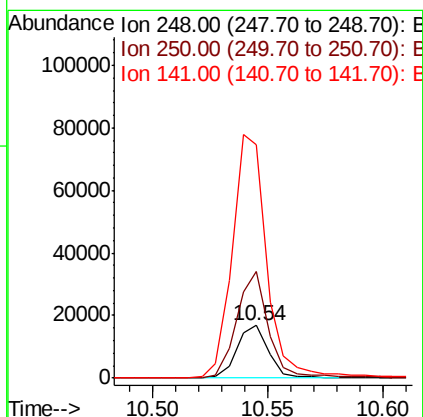
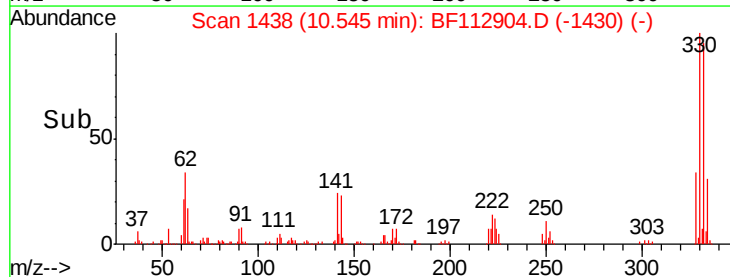


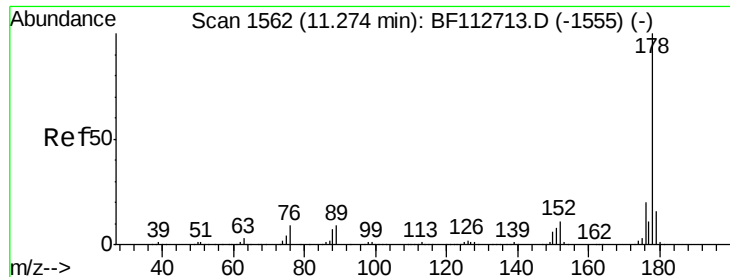
#67
 4-Bromophenyl-phenylether
 Concen: 2.691 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Tgt Ion:248 Resp: 16100
 Ion Ratio Lower Upper
 248 100
 250 203.3 77.5 116.3#
 141 446.3 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

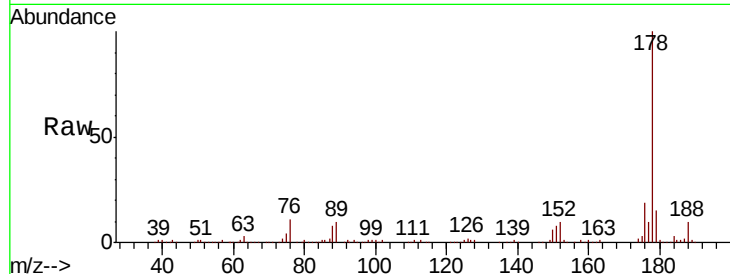




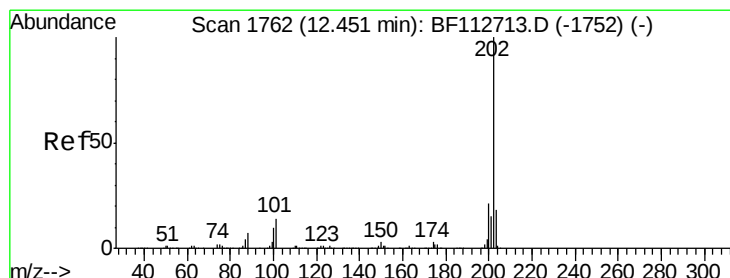
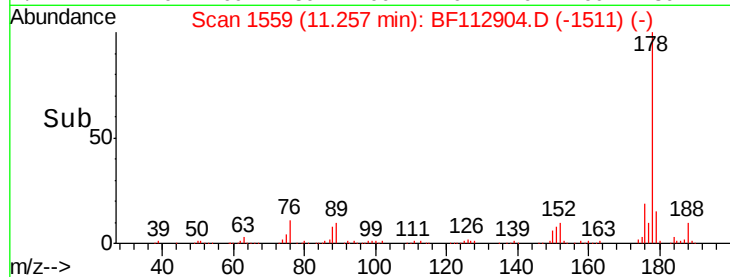
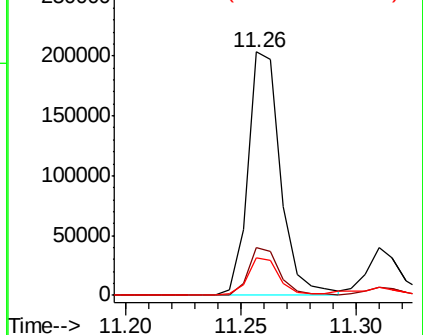
#71
Phenanthrene
Concen: 7.125 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

Tgt Ion:178 Resp: 201359
Ion Ratio Lower Upper
178 100
176 19.4 16.3 24.5
179 15.3 12.7 19.1

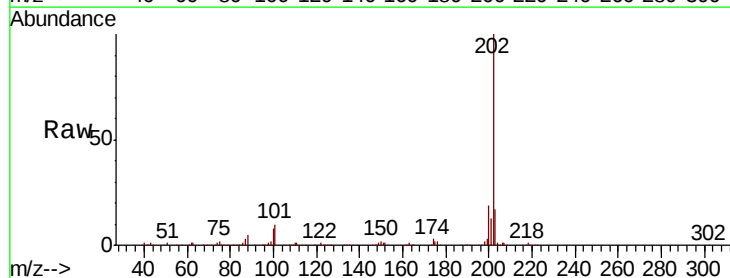


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

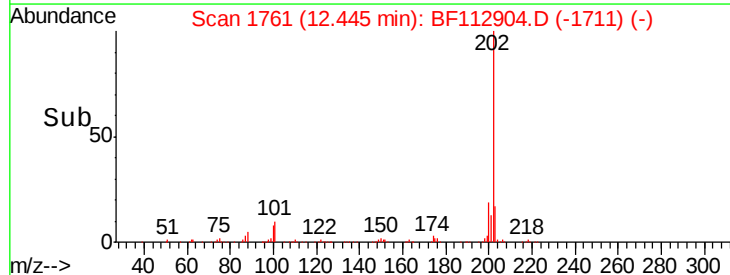
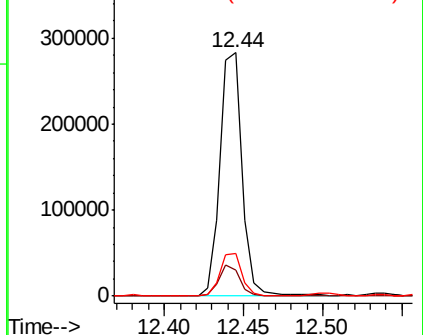


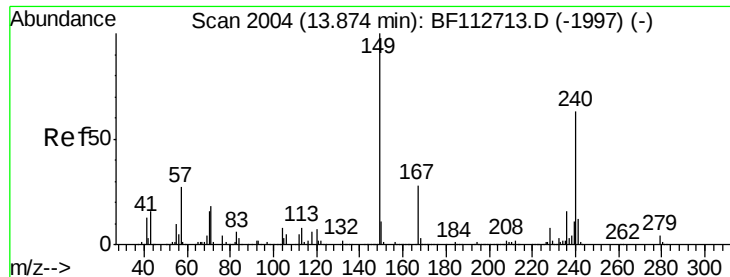
#75
Fluoranthene
Concen: 9.058 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Tgt Ion:202 Resp: 274253
Ion Ratio Lower Upper
202 100
101 10.4 0.0 33.8
203 17.3 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

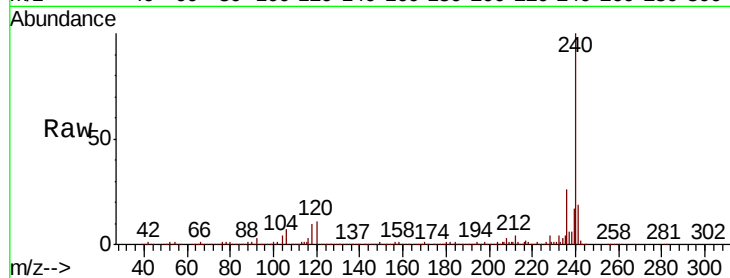




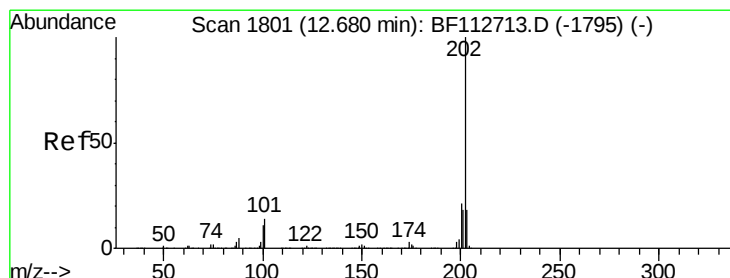
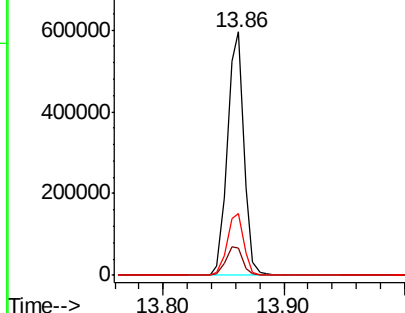
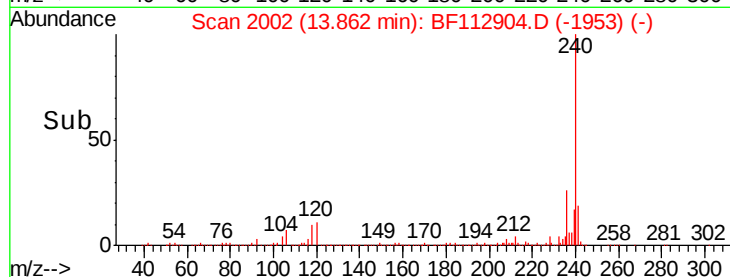
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

Tgt Ion:240 Resp: 566013
Ion Ratio Lower Upper
240 100
120 11.0 8.9 13.3
236 25.5 20.7 31.1

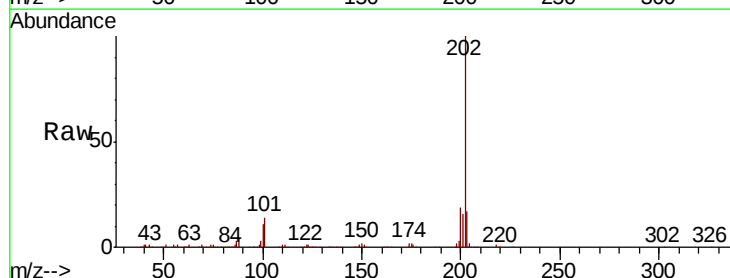


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

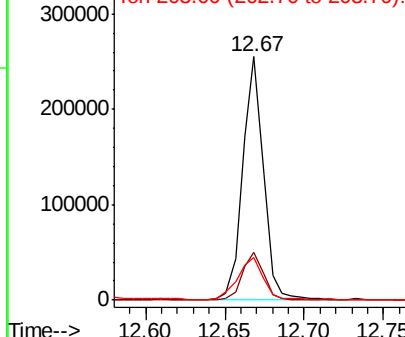
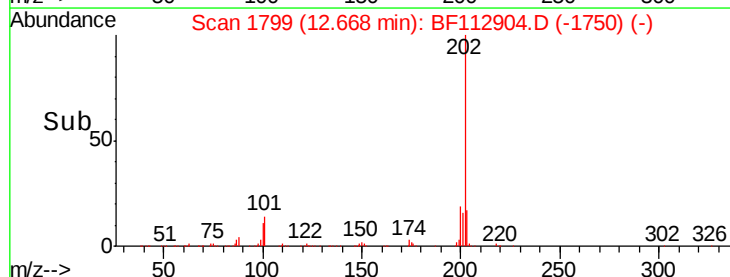


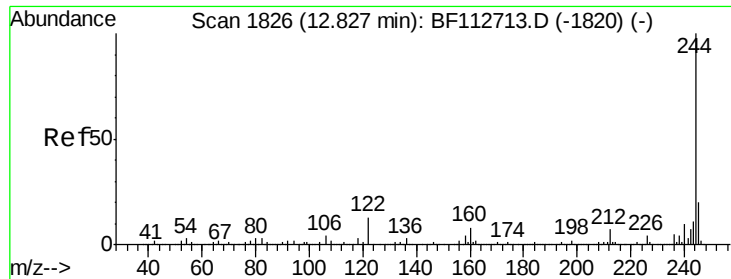
#78
Pyrene
Concen: 4.801 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Tgt Ion:202 Resp: 229086
Ion Ratio Lower Upper
202 100
200 19.5 17.0 25.4
203 17.3 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

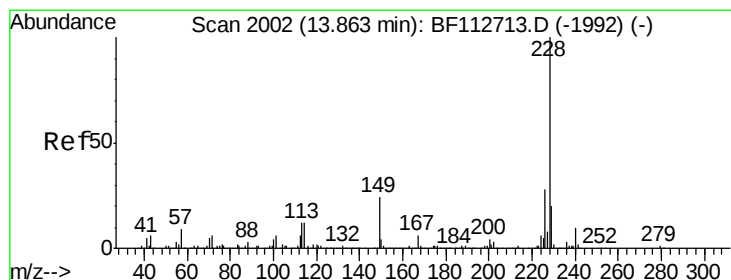
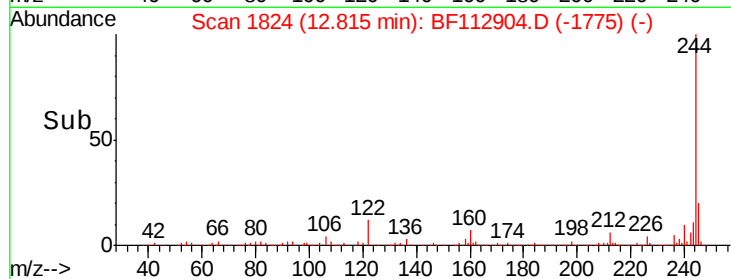
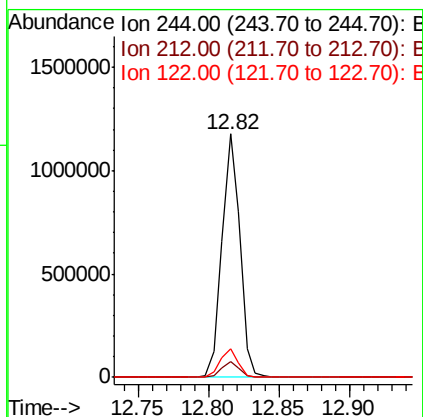
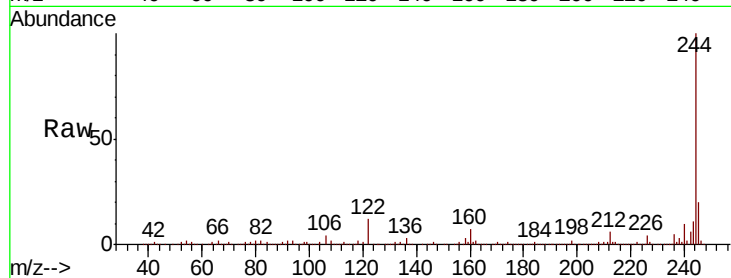




#79
 Terphenyl-d14
 Concen: 35.785 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

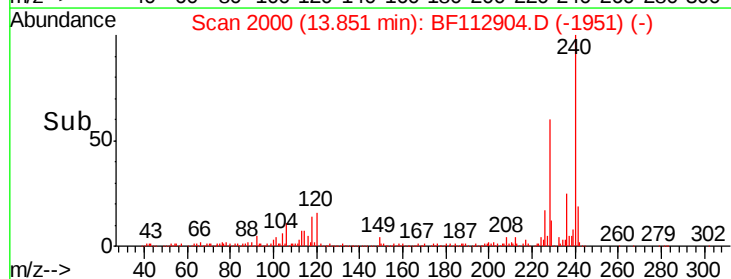
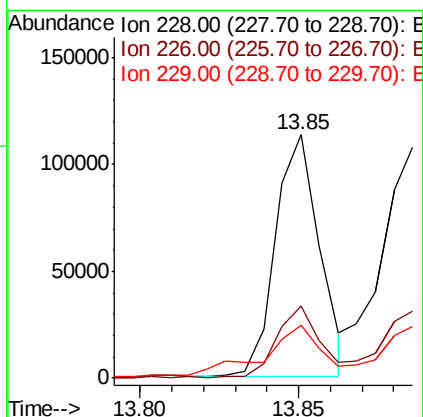
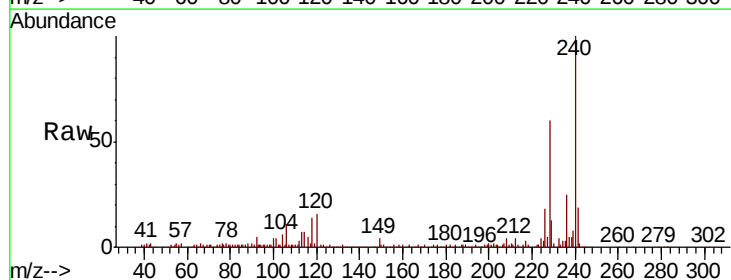
Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW010-022719

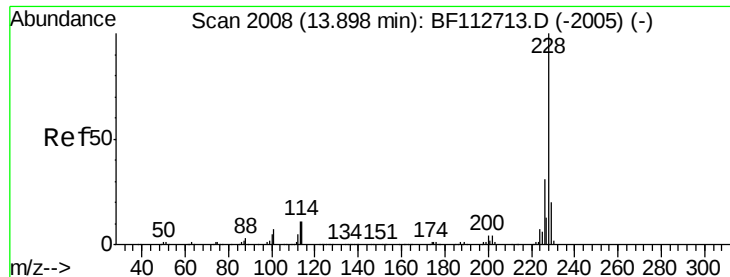
Tgt Ion:244 Resp: 1044868
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 11.8 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 2.803 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Tgt Ion:228 Resp: 109967
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.2 33.4
 229 21.5 16.0 24.0





#83

Chrysene

Concen: 2.981 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW010-022719

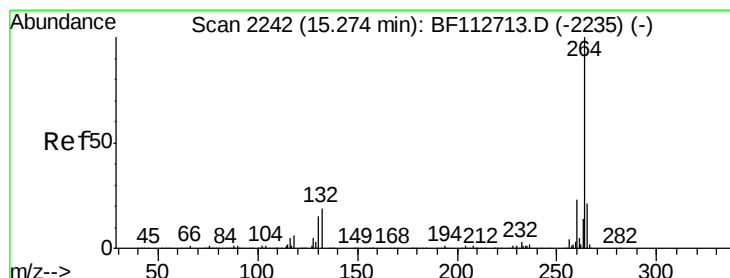
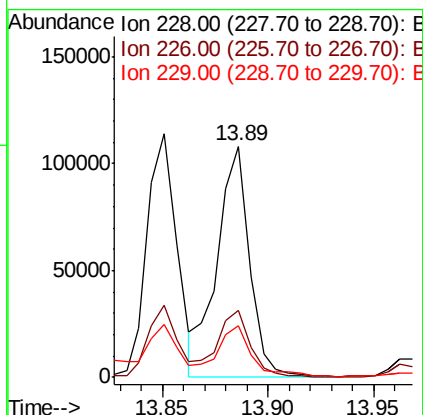
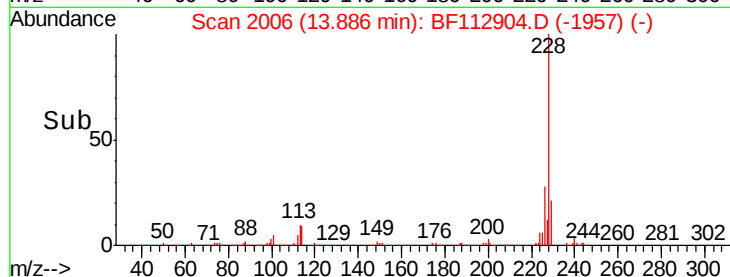
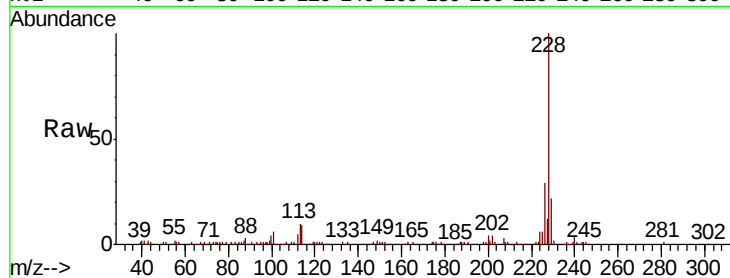
Tgt Ion:228 Resp: 114546

Ion Ratio Lower Upper

228 100

226 28.8 24.9 37.3

229 22.1 16.3 24.5



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

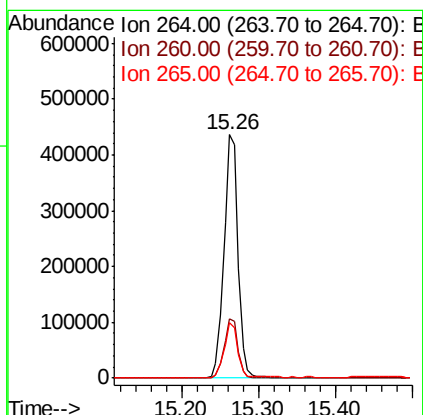
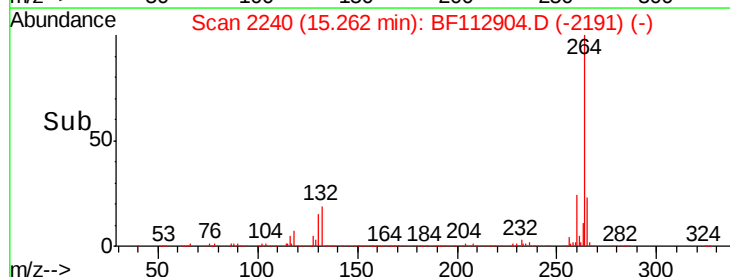
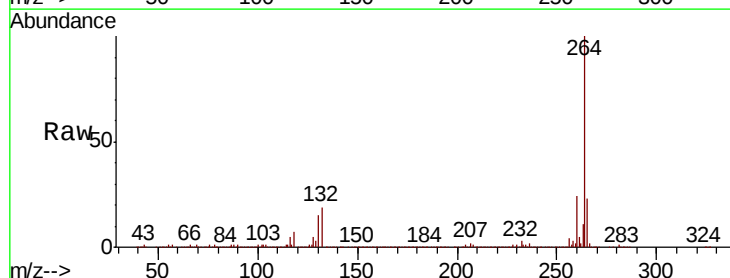
Tgt Ion:264 Resp: 552109

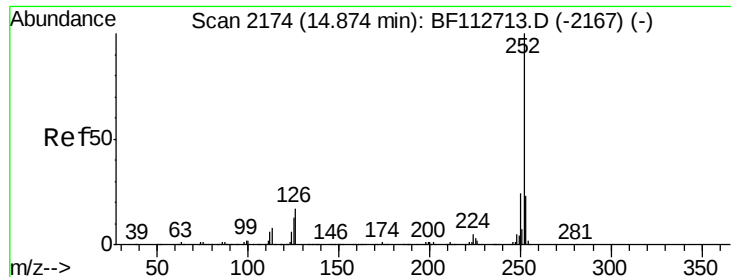
Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 22.7 17.2 25.8

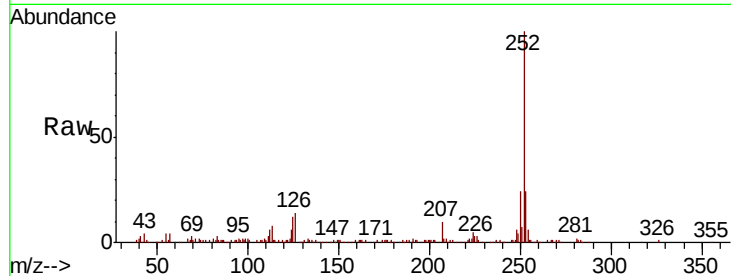




#88
Benzo(b)fluoranthene
Concen: 4.831 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	11.8	10.2	15.2

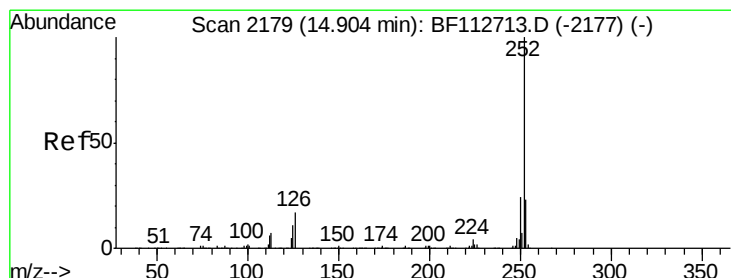
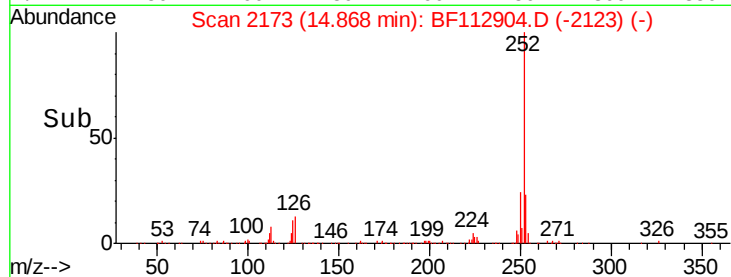
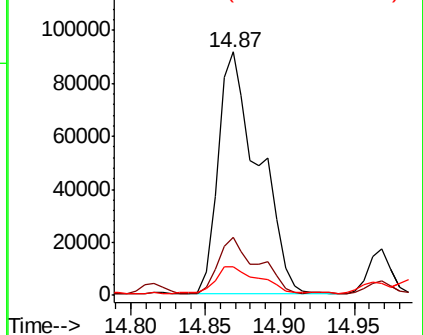


Abundance

Ion 252.00 (251.70 to 252.70): E

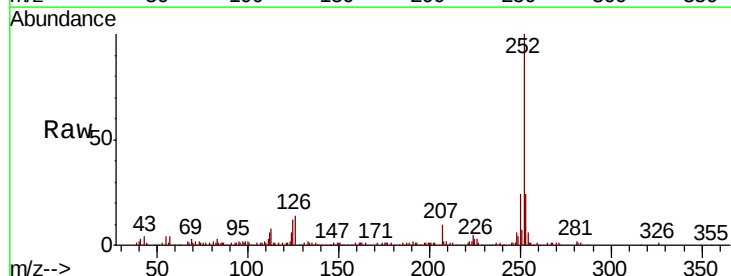
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 5.333 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	11.8	9.8	14.6

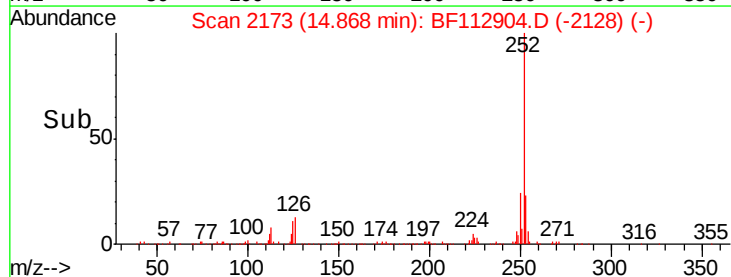
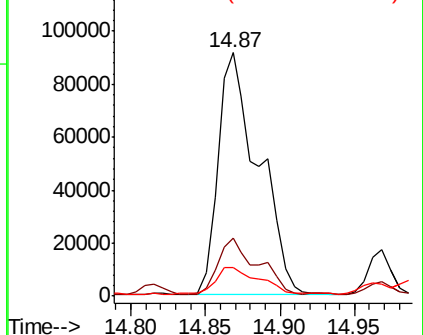


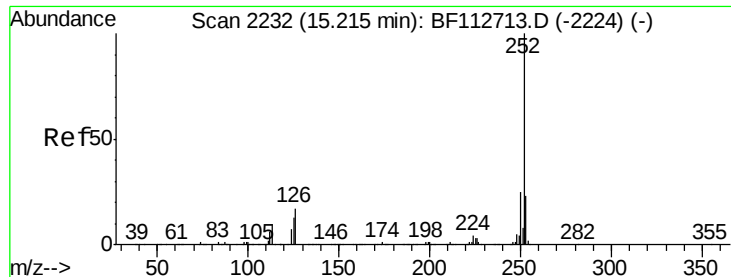
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.763 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW010-022719

Tgt Ion:252 Resp: 87264

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 12.0 10.7 16.1

