

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
 Data File : BF113093.D
 Acq On : 18 Mar 2019 16:32
 Operator : JU/SJ
 Sample : K1933-08 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-8

Quant Time: Mar 19 04:50:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	176647	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	667586	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	339246	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	601044	20.00	ng	0.00
76) Chrysene-d12	13.87	240	489208	20.00	ng	0.00
87) Perylene-d12	15.28	264	506288	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	414398	36.49	ng	0.00
7) Phenol-d6	6.37	99	603204	42.29	ng	0.00
23) Nitrobenzene-d5	7.29	82	336881	30.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	162348	45.08	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	737975	30.10	ng	-0.01
79) Terphenyl-d14	12.82	244	591291	23.43	ng	0.00

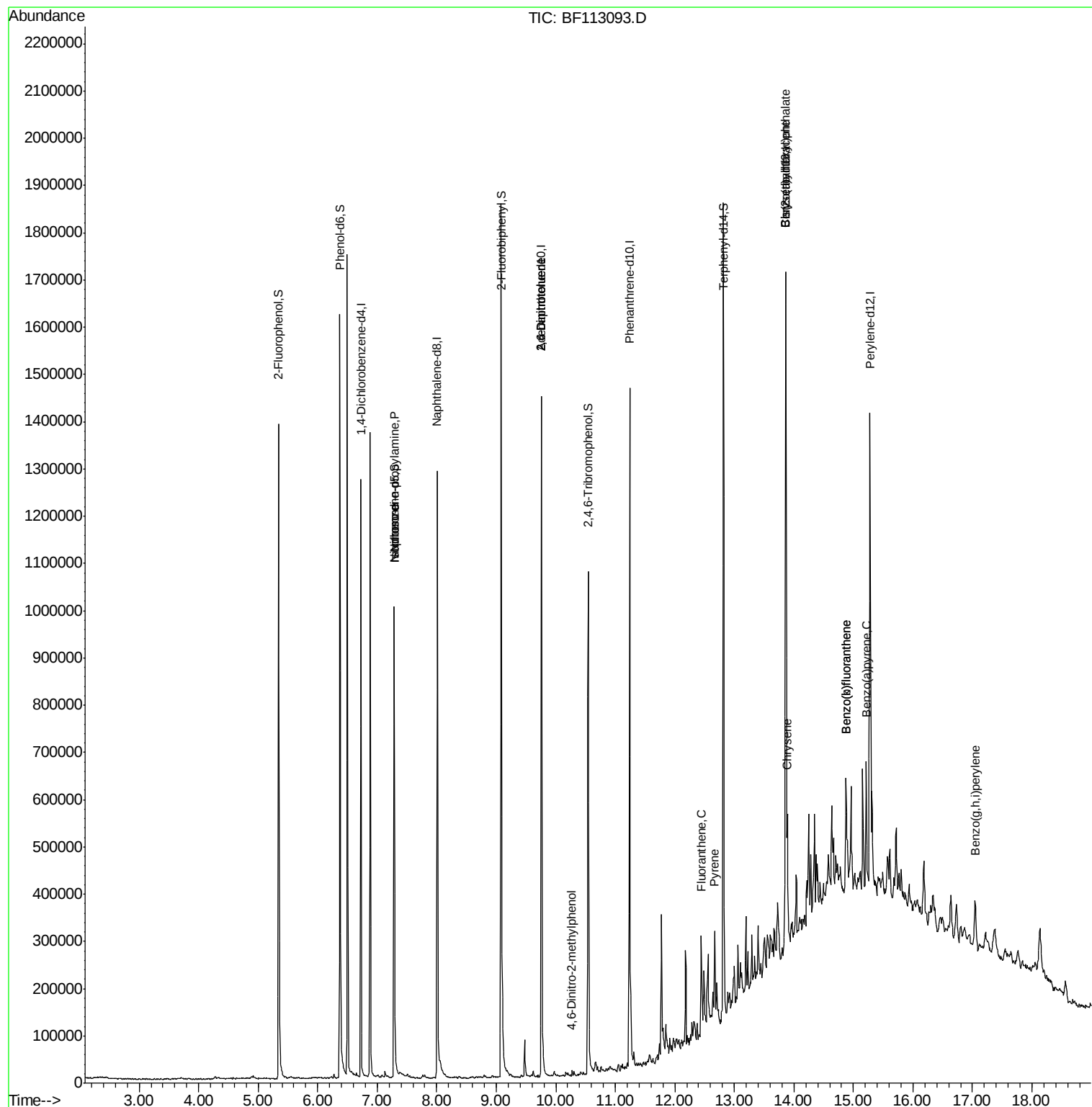
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	43825	4.851	ng	# 77
25) Isophorone	7.29	82	336876	14.016	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	43685	8.386	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	43938	6.786	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.26	198	171	4.675	ng	# 20
75) Fluoranthene	12.45	202	83055	2.592	ng	95
78) Pyrene	12.67	202	87173	2.114	ng	99
81) Benzo(a)anthracene	13.86	228	93839	2.768	ng	93
83) Chrysene	13.89	228	117374	3.534	ng	97
84) Bis(2-ethylhexyl)phthalate	13.86	149	75447	3.533	ng	100
88) Benzo(b)fluoranthene	14.87	252	162414	4.959	ng	96
89) Benzo(k)fluoranthene	14.87	252	162414	5.475	ng	96
90) Benzo(a)pyrene	15.22	252	128903	4.450	ng	95
92) Benzo(g,h,i)perylene	17.04	276	74115	2.986	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.73 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

Instrument :

BNA_F

ClientSampleId :

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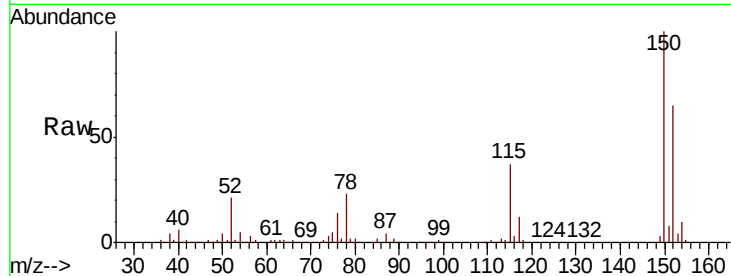
Tgt Ion:152 Resp: 176647

Ion Ratio Lower Upper

152 100

150 154.6 124.2 186.2

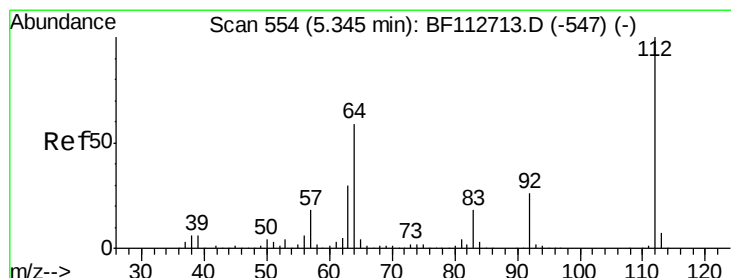
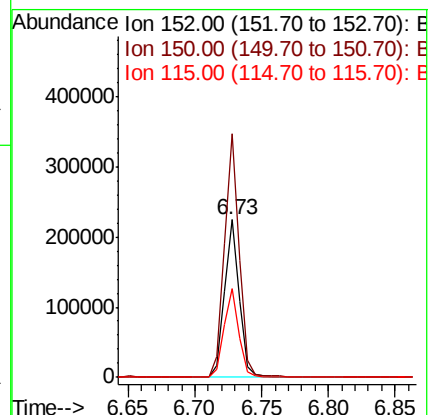
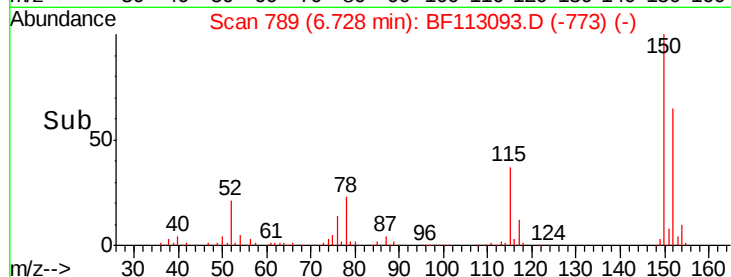
115 56.6 48.2 72.4



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: 36.492 ng

RT: 5.35 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

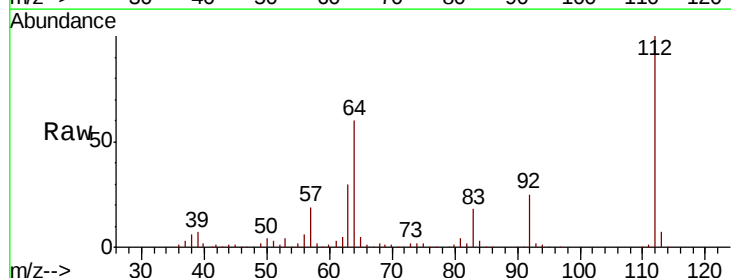
Tgt Ion:112 Resp: 414398

Ion Ratio Lower Upper

112 100

64 60.0 47.6 71.4

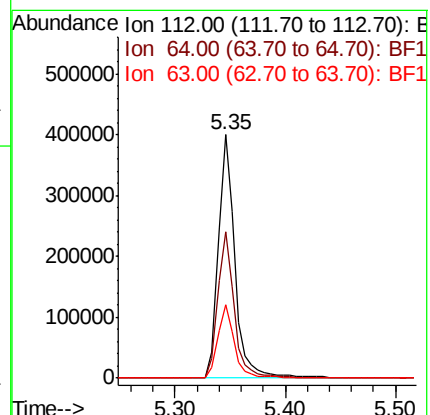
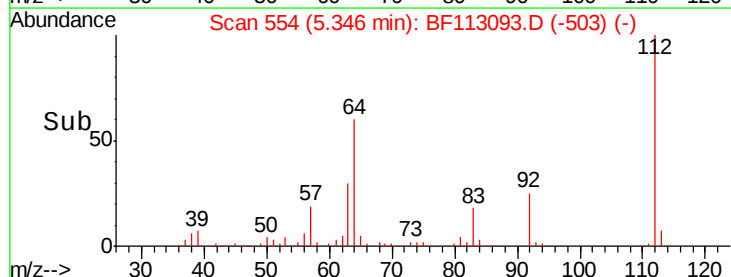
63 30.3 24.4 36.6

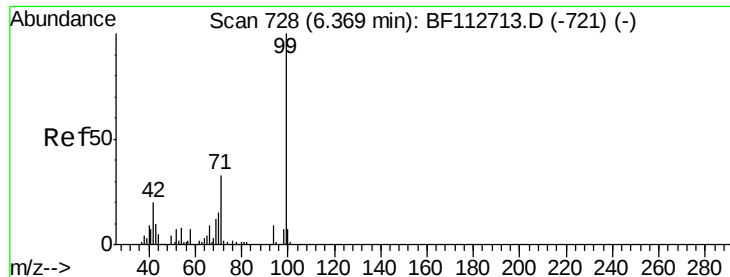


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 42.286 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

Instrument :

BNA_F

ClientSampleId :

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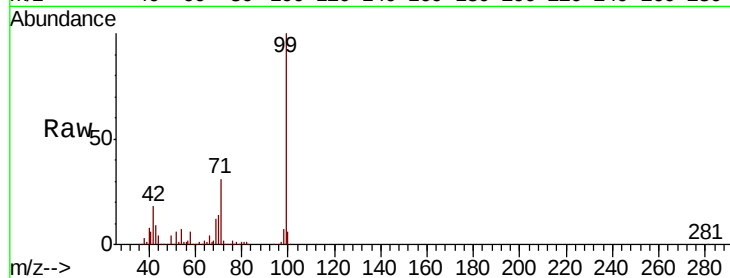
Tgt Ion: 99 Resp: 603204

Ion Ratio Lower Upper

99 100

42 17.9 16.3 24.5

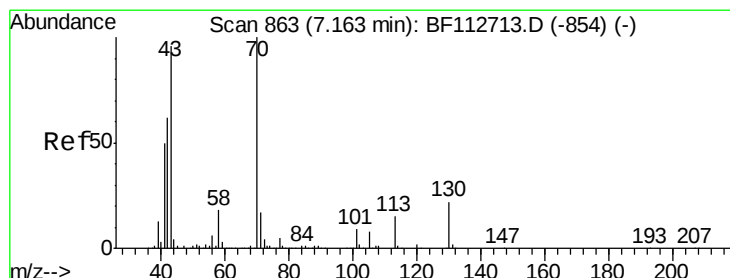
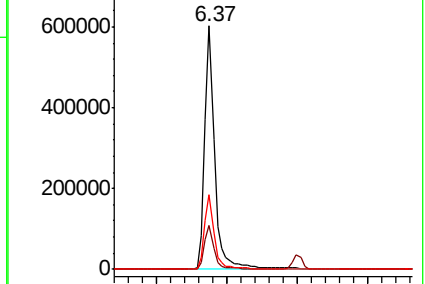
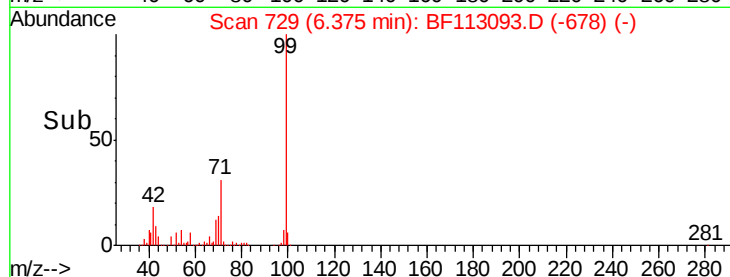
71 30.8 26.2 39.4



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: 4.851 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

Tgt Ion: 70 Resp: 43825

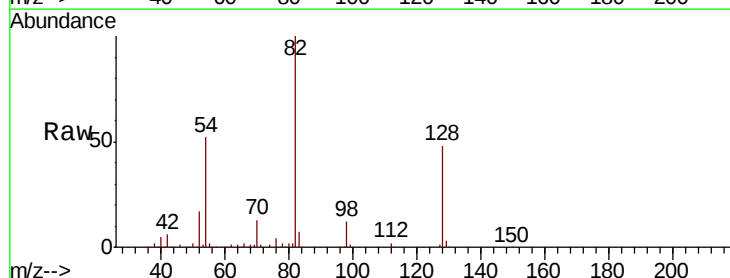
Ion Ratio Lower Upper

70 100

42 49.4 49.9 74.9#

101 0.0 7.4 11.2#

130 2.5 17.4 26.2#

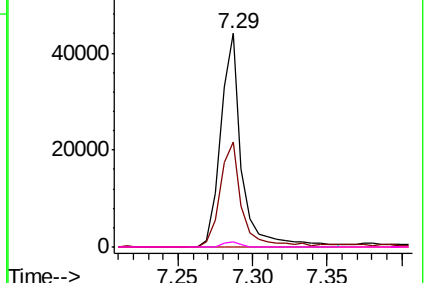
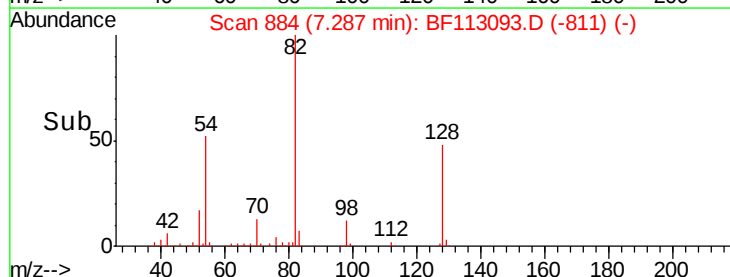


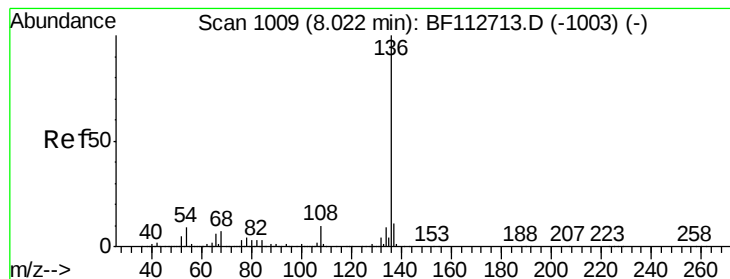
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113093.D

Acq: 18 Mar 2019 16:32

Instrument :

BNA_F

ClientSampled :

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Tgt Ion: 136 Resp: 667586

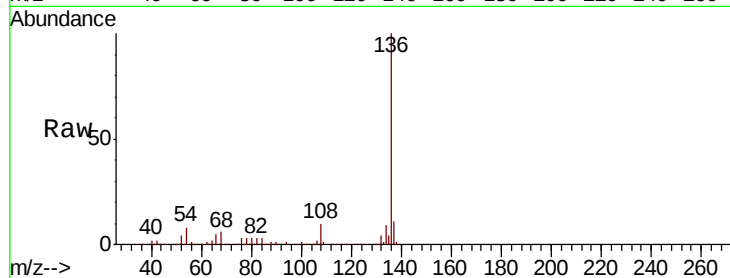
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.9 7.3 10.9

68 5.8 5.4 8.2

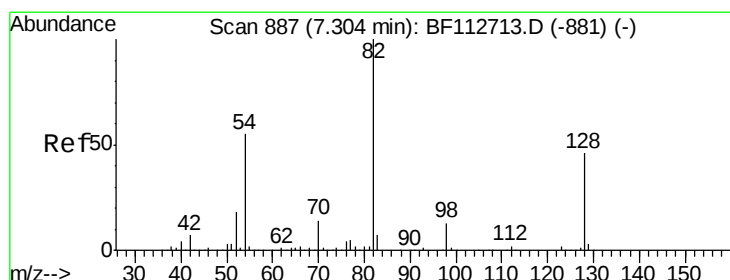
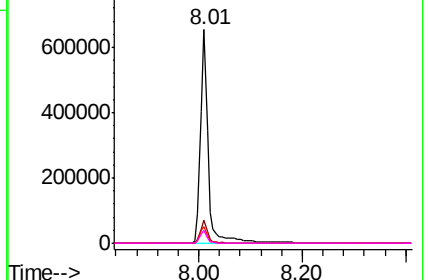
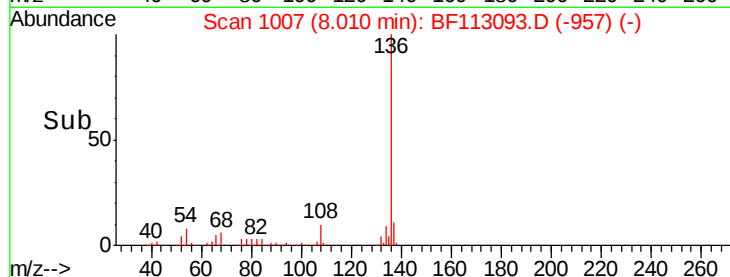


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.196 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

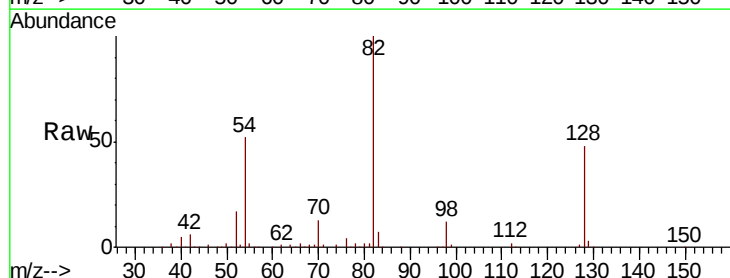
Tgt Ion: 82 Resp: 336881

Ion Ratio Lower Upper

82 100

128 47.6 36.3 54.5

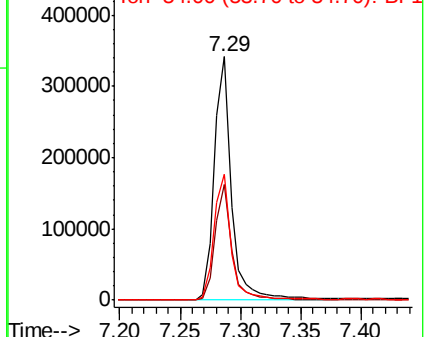
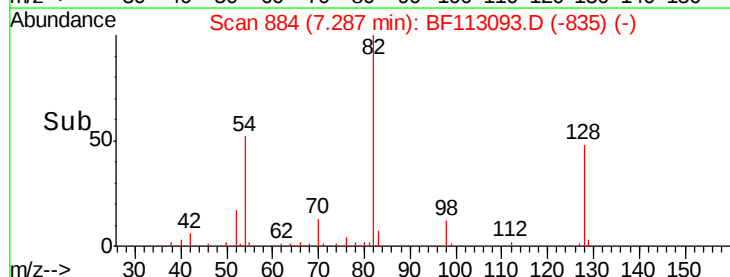
54 51.6 43.7 65.5

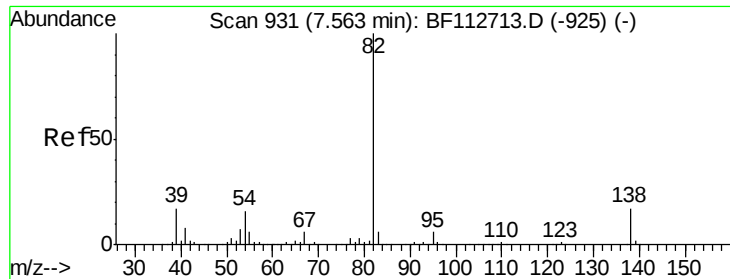


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 14.016 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.27 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

Instrument :

BNA_F

ClientSampleId :

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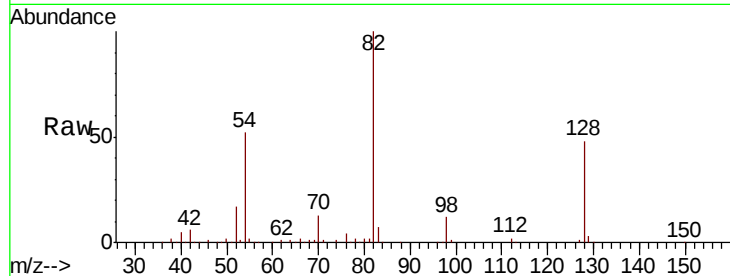
Tgt Ion: 82 Resp: 336876

Ion Ratio Lower Upper

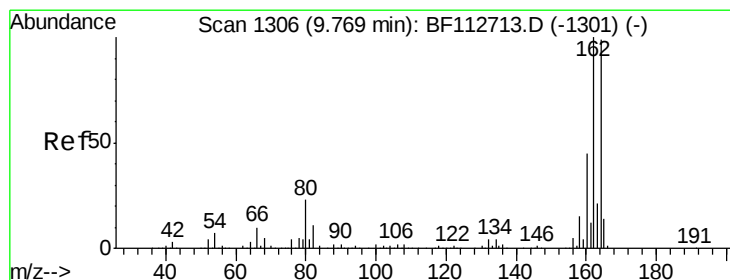
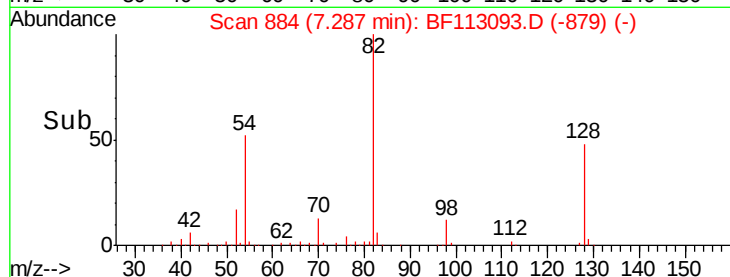
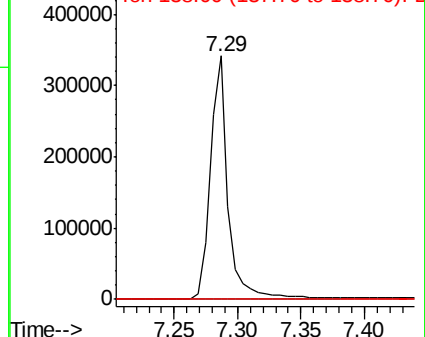
82 100

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: BF113093.D

Acq: 18 Mar 2019 16:32

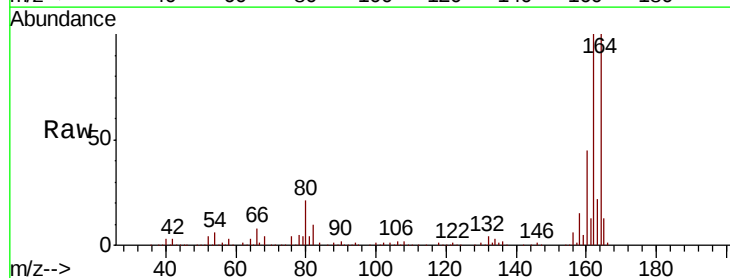
Tgt Ion: 164 Resp: 339246

Ion Ratio Lower Upper

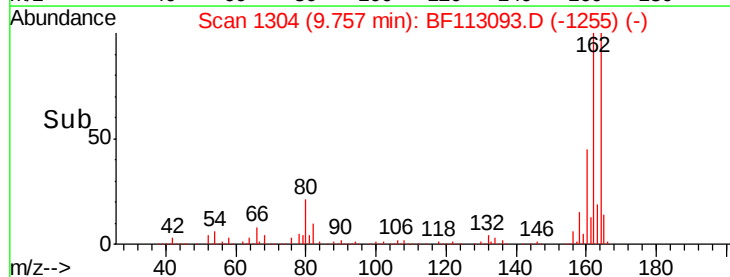
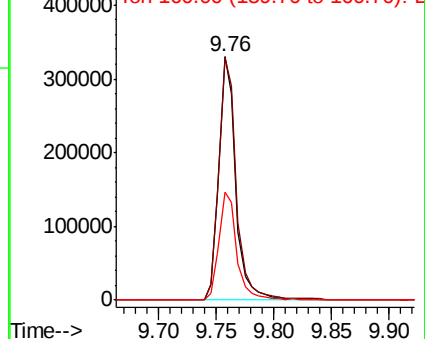
164 100

162 99.7 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

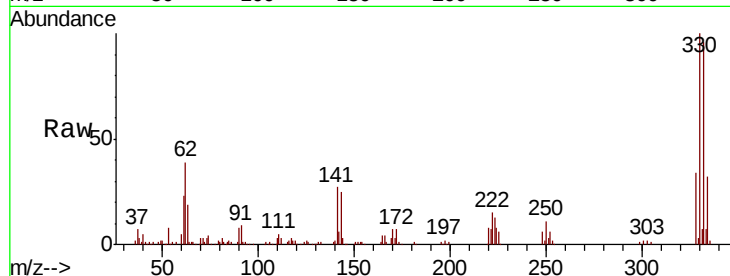




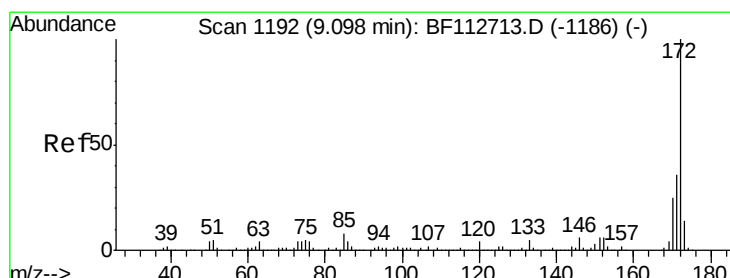
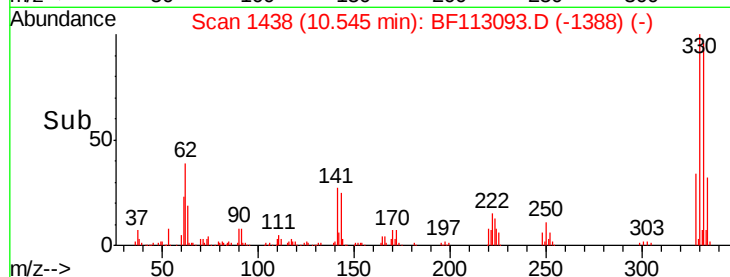
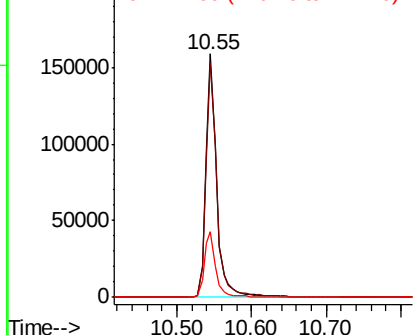
#42
 2,4,6-Tribromophenol
 Concen: 45.078 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113093.D
 Acq: 18 Mar 2019 16:32

Instrument :
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 ClientSampleId :
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Tgt Ion:330 Resp: 162348
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.2 114.4
 141 28.6 27.0 40.6

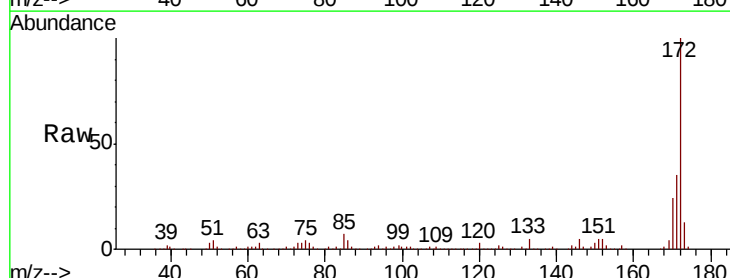


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

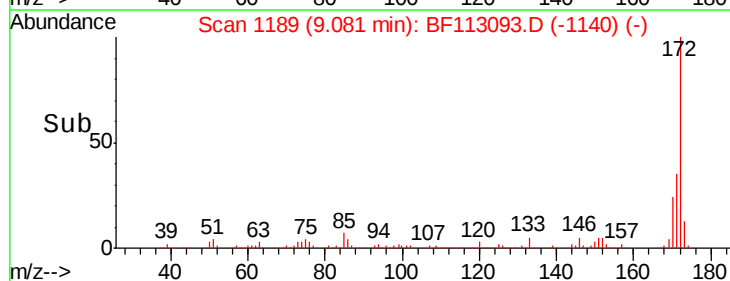
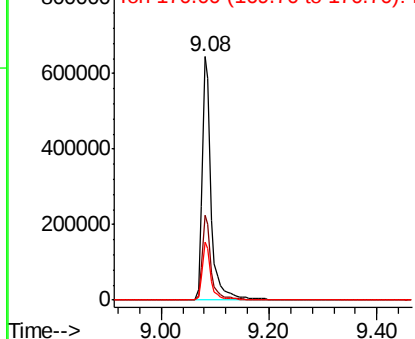


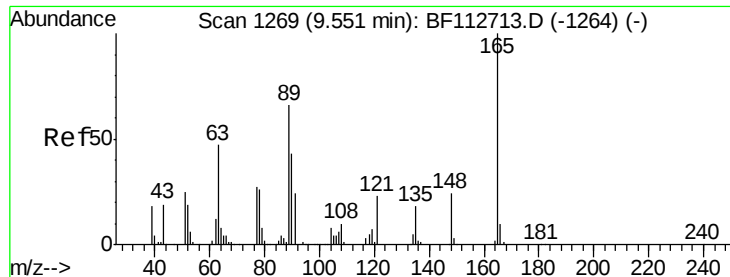
#45
 2-Fluorobiphenyl
 Concen: 30.105 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113093.D
 Acq: 18 Mar 2019 16:32

Tgt Ion:172 Resp: 737975
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.0 43.4
 170 23.6 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

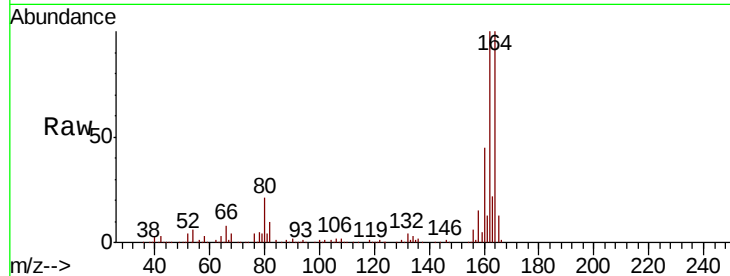




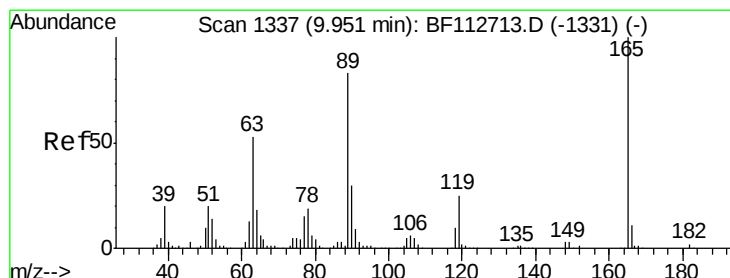
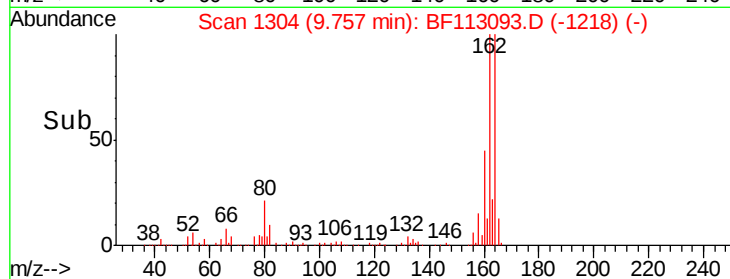
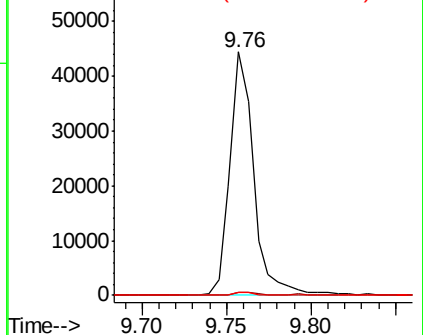
#51
2,6-Dinitrotoluene
Concen: 8.386 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF113093.D
Acq: 18 Mar 2019 16:32

Instrument :
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ClientSampleId :
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Tgt Ion:165 Resp: 43685
Ion Ratio Lower Upper
165 100
63 1.0 54.1 81.1#
89 1.4 52.8 79.2#

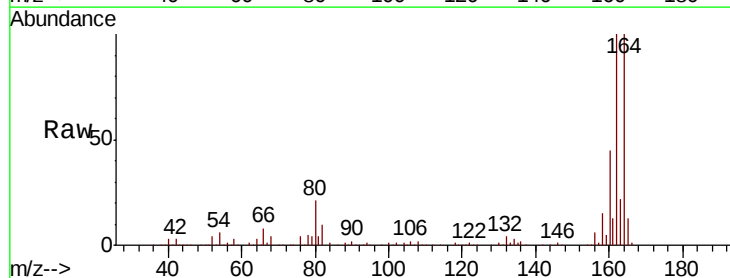


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

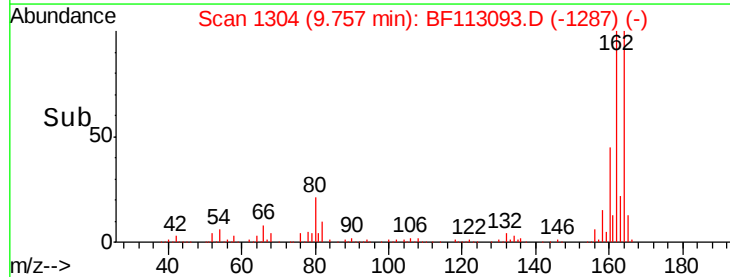
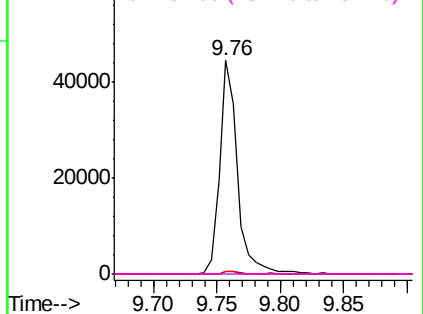


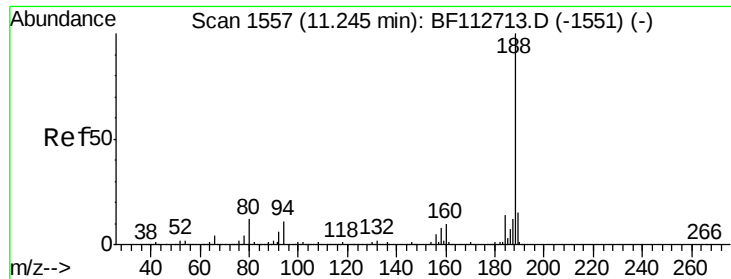
#57
2,4-Dinitrotoluene
Concen: 6.786 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.20 min
Lab File: BF113093.D
Acq: 18 Mar 2019 16:32

Tgt Ion:165 Resp: 43938
Ion Ratio Lower Upper
165 100
63 1.0 42.2 63.2#
89 1.4 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

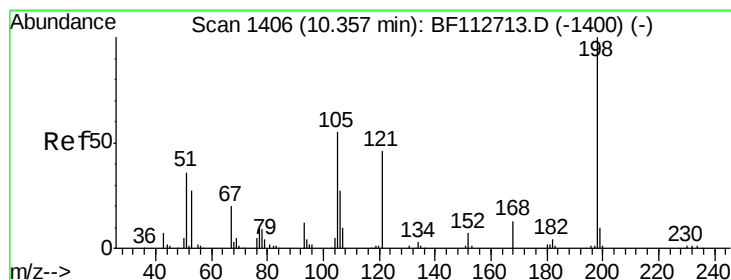
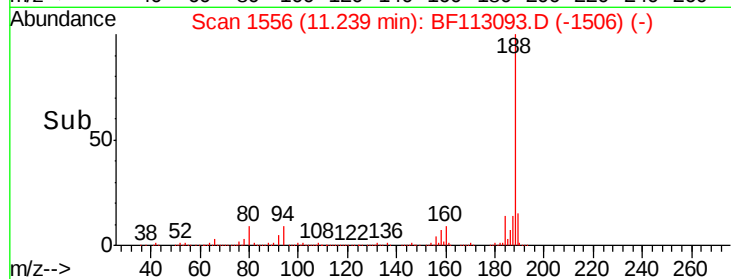
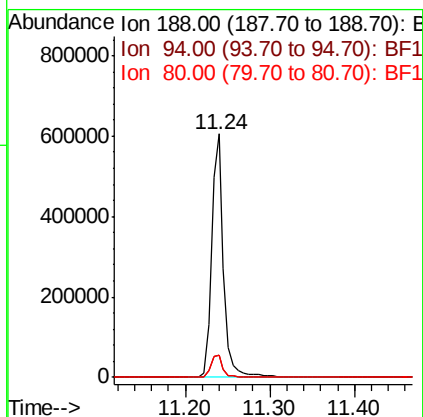
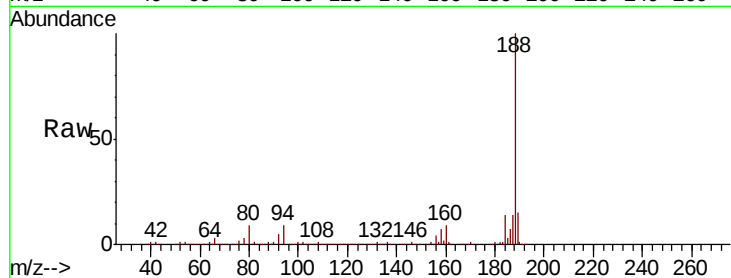




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113093.D
Acq: 18 Mar 2019 16:32

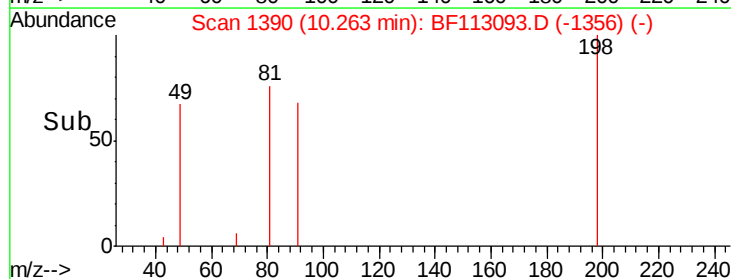
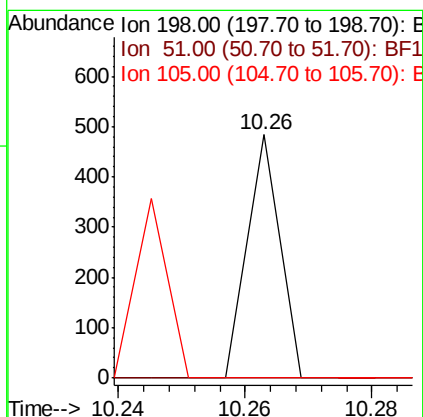
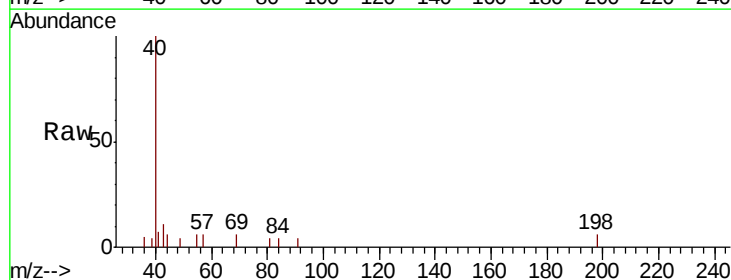
Instrument :
BNA_F
ClientSampleId :
S-8

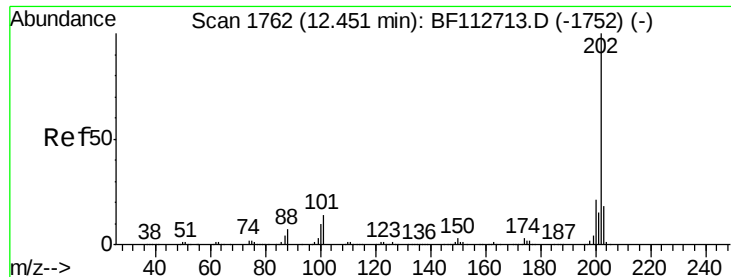
Tgt Ion:188 Resp: 601044
Ion Ratio Lower Upper
188 100
94 8.9 9.0 13.4#
80 9.0 9.2 13.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 4.675 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.10 min
Lab File: BF113093.D
Acq: 18 Mar 2019 16:32

Tgt Ion:198 Resp: 171
Ion Ratio Lower Upper
198 100
51 0.0 43.8 83.8#
105 0.0 36.5 76.5#





#75

Fluoranthene

Concen: 2.592 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

Instrument :

BNA_F

ClientSampleId :

S-8

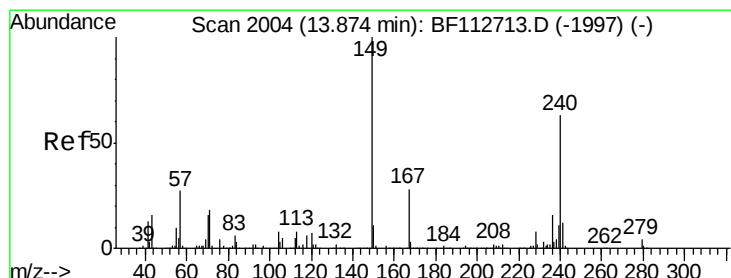
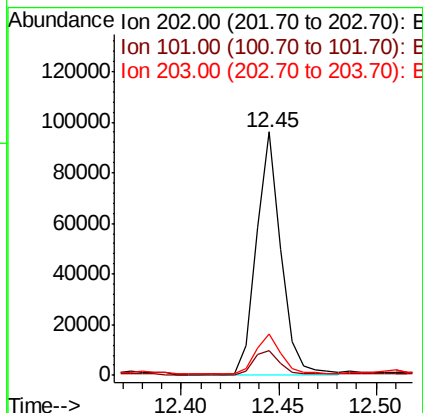
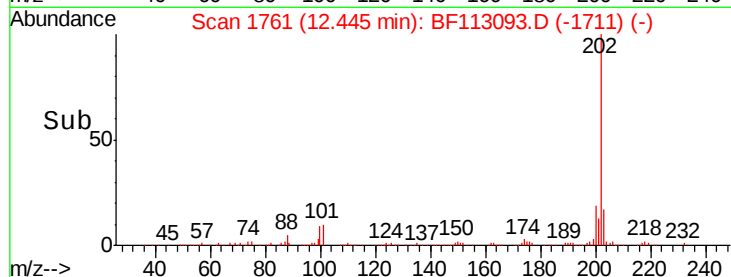
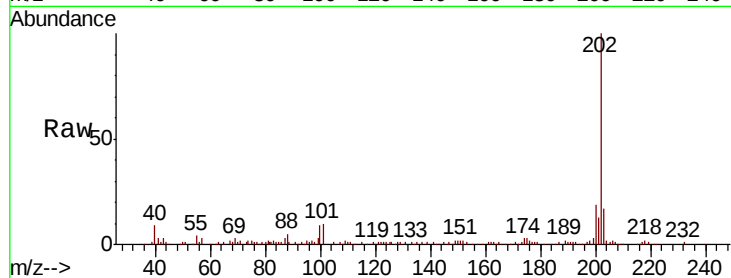
Tgt Ion:202 Resp: 83055

Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.8

203 17.1 0.0 38.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

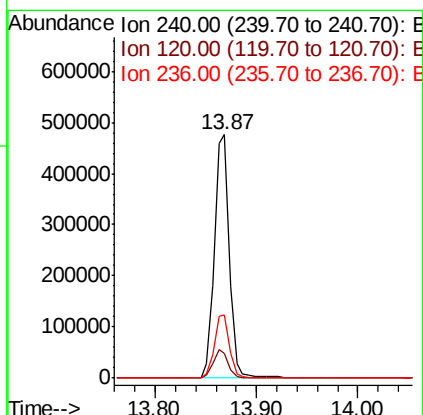
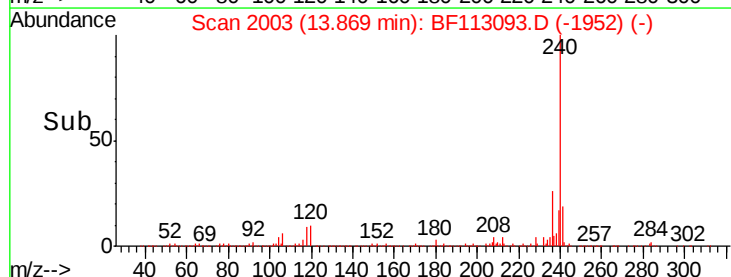
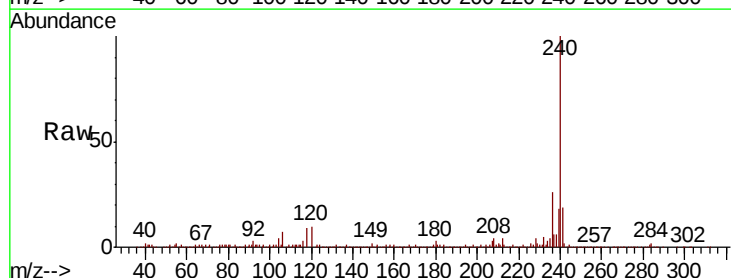
Tgt Ion:240 Resp: 489208

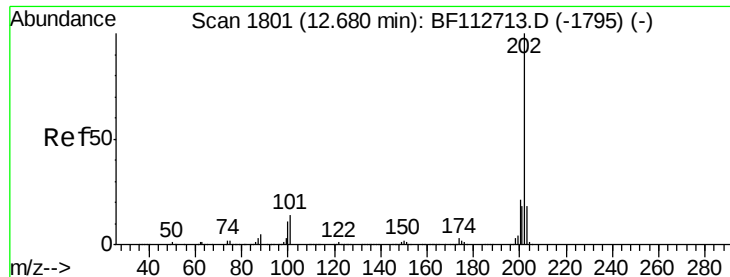
Ion Ratio Lower Upper

240 100

120 10.0 8.9 13.3

236 25.9 20.7 31.1

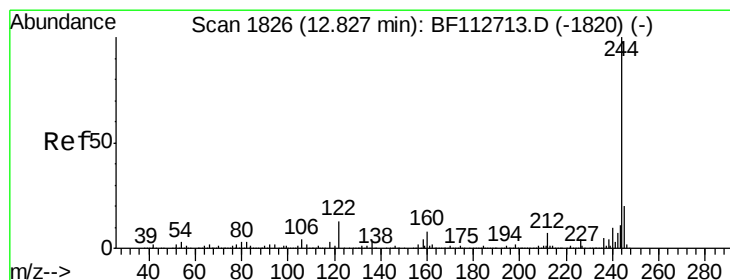
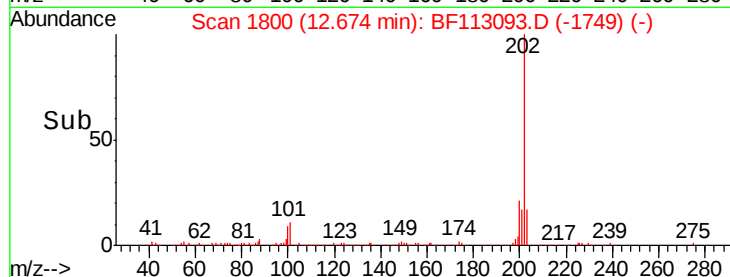
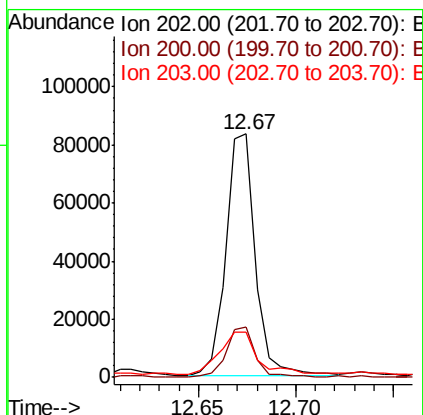
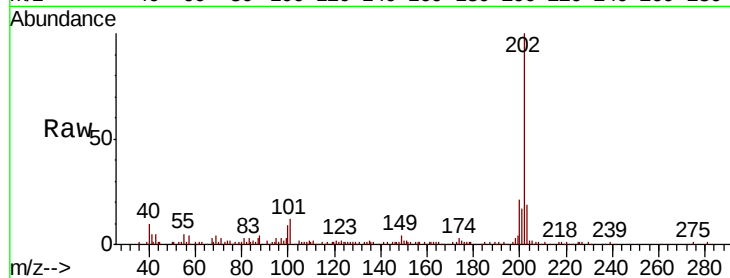




#78
 Pyrene
 Concen: 2.114 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: BF113093.D
 Acq: 18 Mar 2019 16:32

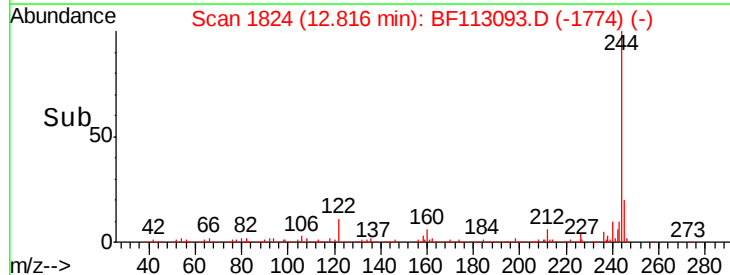
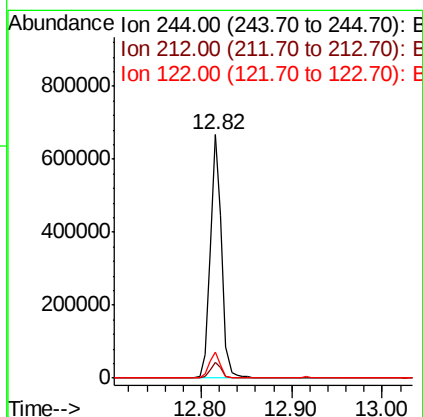
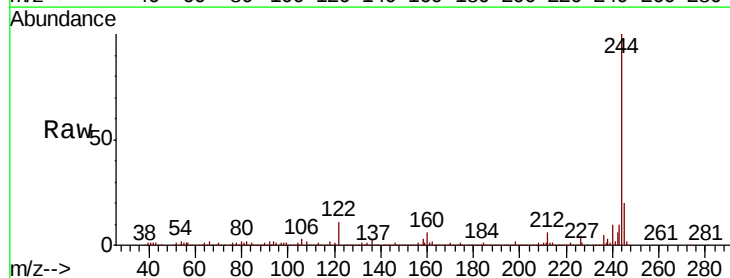
Instrument :
 BNA_F
 ClientSampled :
 S-8

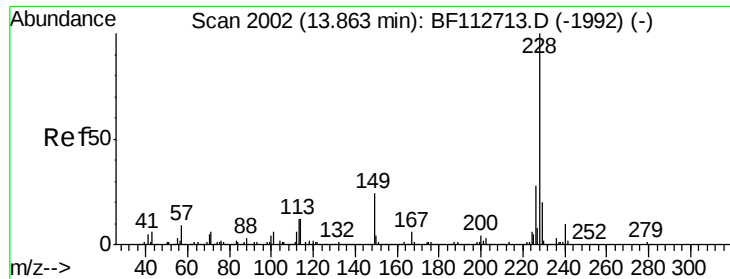
Tgt Ion: 202 Resp: 87173
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.0 25.4
 203 18.6 14.4 21.6



#79
 Terphenyl-d14
 Concen: 23.430 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113093.D
 Acq: 18 Mar 2019 16:32

Tgt Ion: 244 Resp: 591291
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.6 8.4
 122 10.9 10.5 15.7





#81

Benzo(a)anthracene

Concen: 2.768 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

Instrument :

BNA_F

ClientSampleId :

S-8

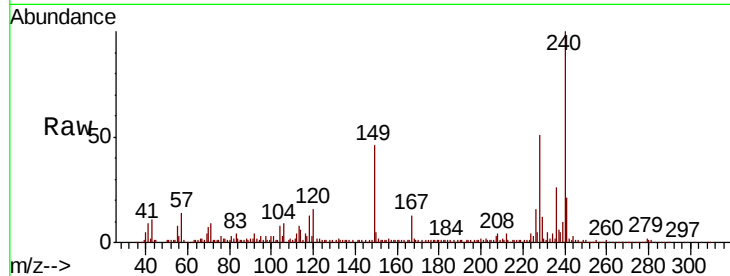
Tgt Ion:228 Resp: 93839

Ion Ratio Lower Upper

228 100

226 31.0 22.2 33.4

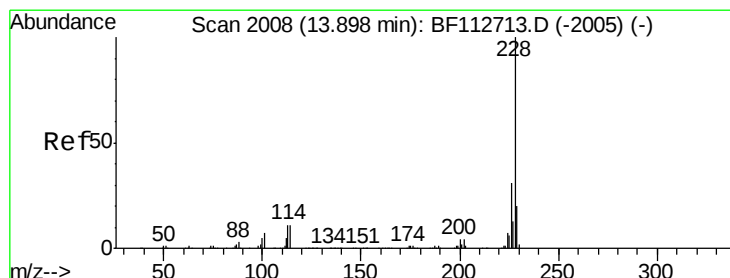
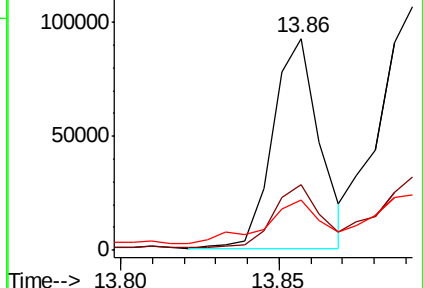
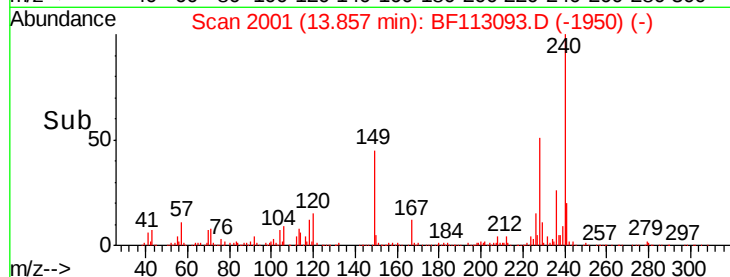
229 23.7 16.0 24.0



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: 3.534 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

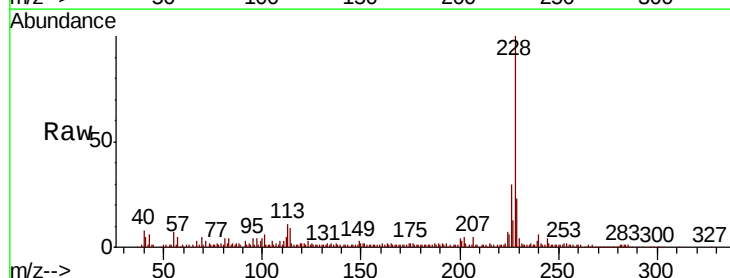
Tgt Ion:228 Resp: 117374

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

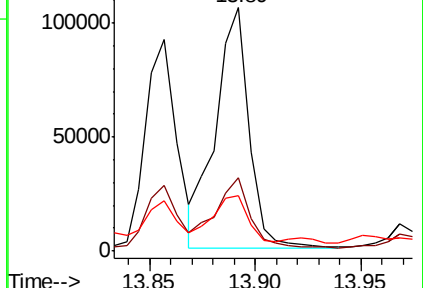
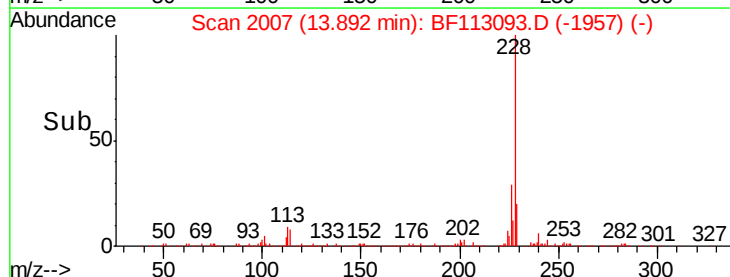
229 22.7 16.3 24.5

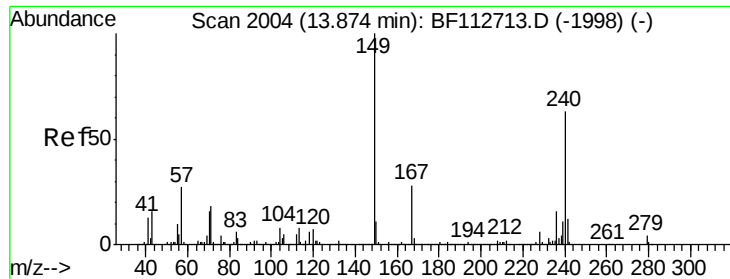


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.533 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

Instrument :

BNA_F

ClientSampled :

S-8

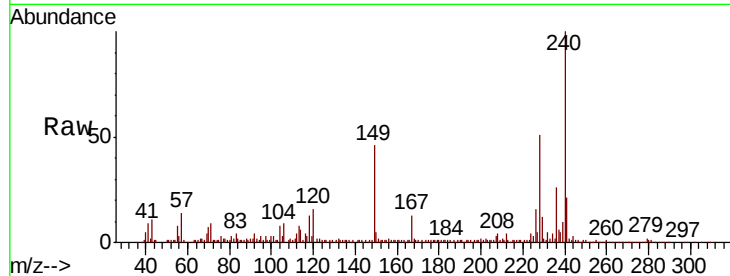
Tgt Ion:149 Resp: 75447

Ion Ratio Lower Upper

149 100

167 28.0 22.4 33.6

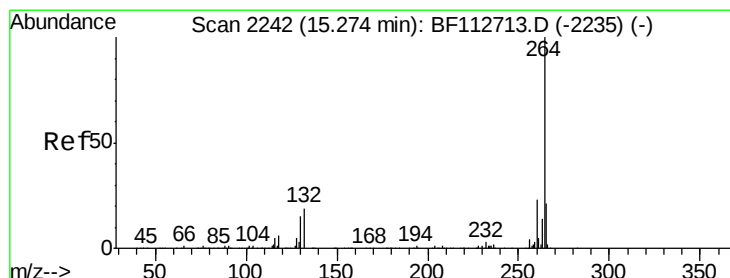
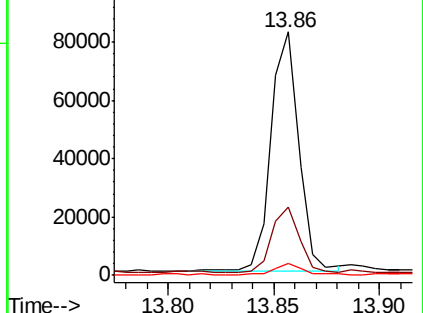
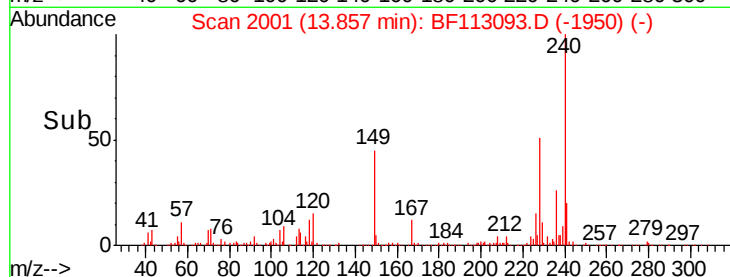
279 4.8 3.3 4.9



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: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF113093.D

Acq: 18 Mar 2019 16:32

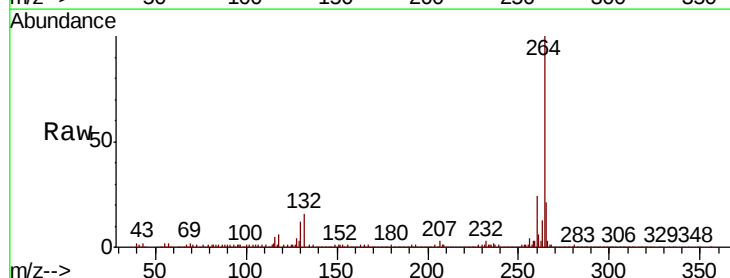
Tgt Ion:264 Resp: 506288

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

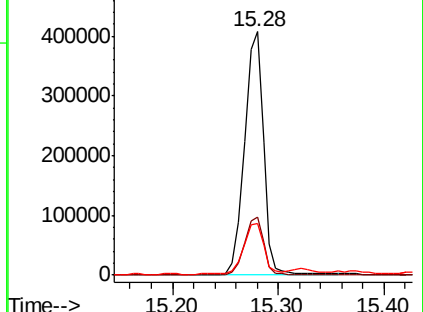
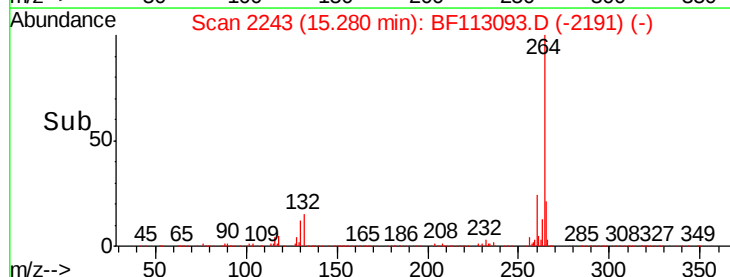
265 21.4 17.2 25.8

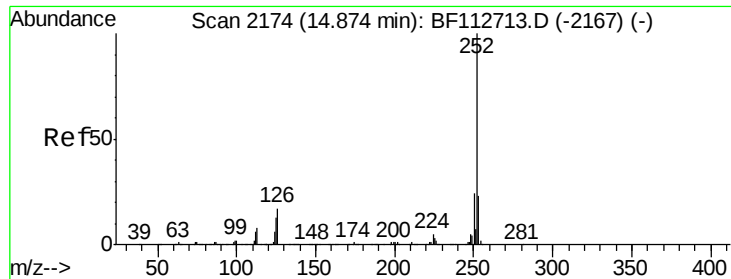


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

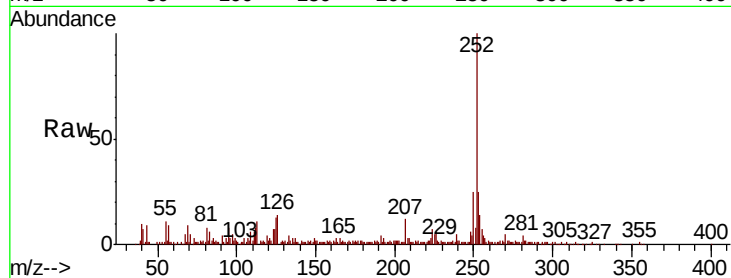




#88
Benzo(b)fluoranthene
Concen: 4.959 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113093.D
Acq: 18 Mar 2019 16:32

Instrument :
BNA_F
ClientSampleId :
S-8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	12.9	10.2	15.2

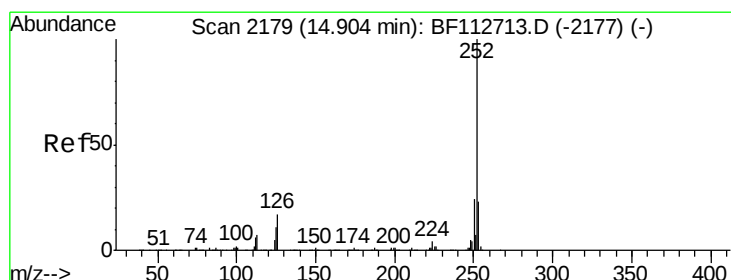
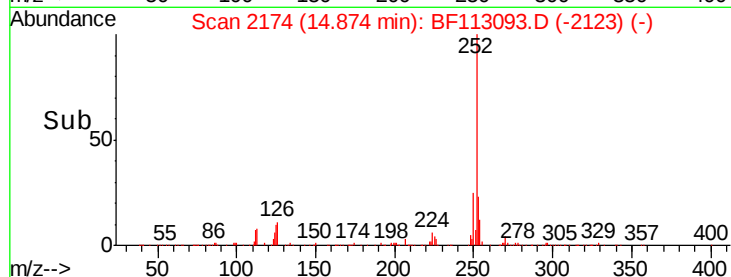
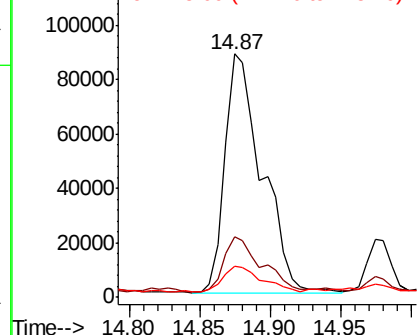


Abundance

Ion 252.00 (251.70 to 252.70): E

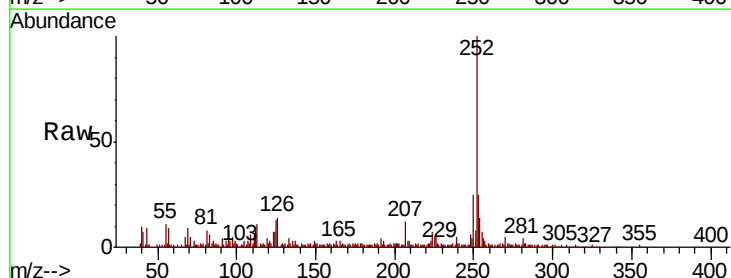
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 5.475 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113093.D
Acq: 18 Mar 2019 16:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	12.9	9.8	14.6

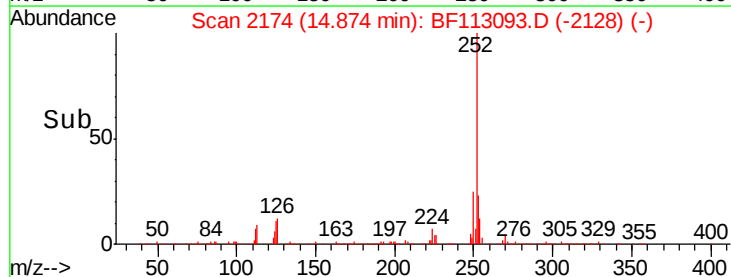
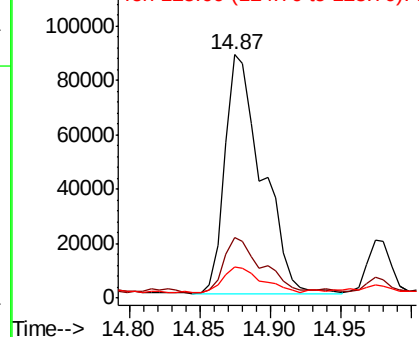


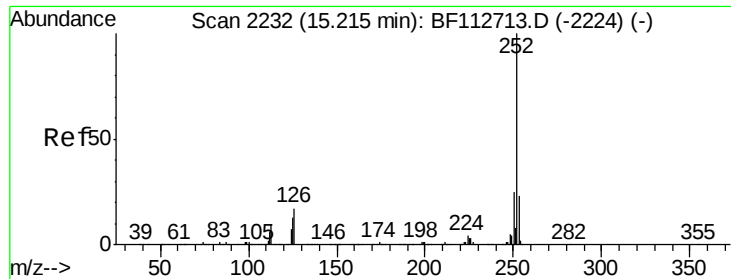
Abundance

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

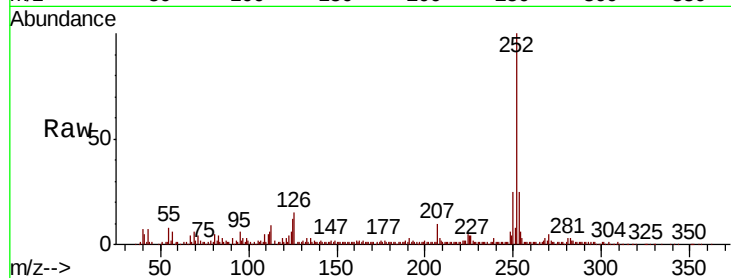




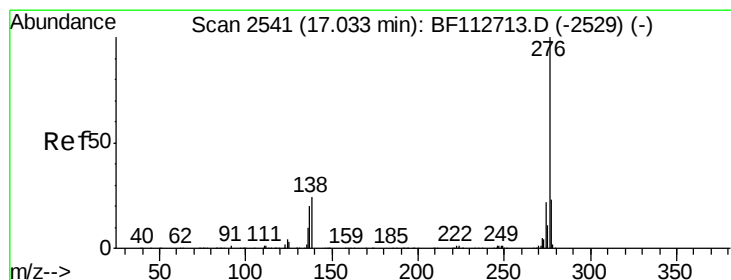
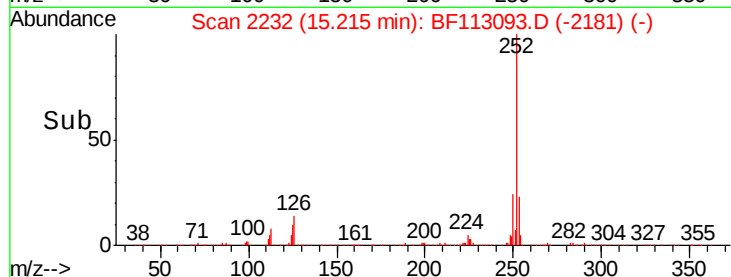
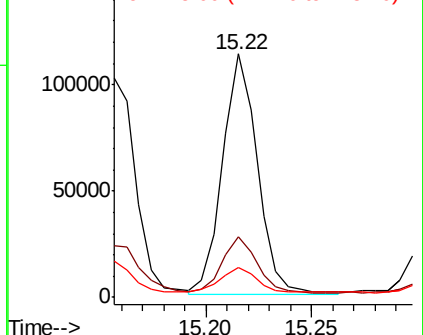
#90
Benzo(a)pyrene
Concen: 4.450 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113093.D
Acq: 18 Mar 2019 16:32

Instrument :
BNA_F
ClientSampleId :
S-8

Tgt Ion:252 Resp: 128903
Ion Ratio Lower Upper
252 100
253 25.0 18.0 27.0
125 12.0 10.7 16.1

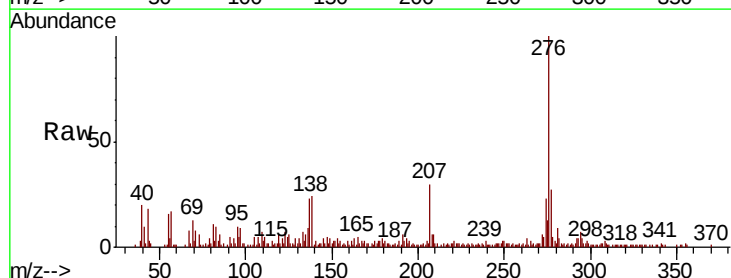


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.986 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.00 min
Lab File: BF113093.D
Acq: 18 Mar 2019 16:32

Tgt Ion:276 Resp: 74115
Ion Ratio Lower Upper
276 100
277 26.6 18.6 27.8
138 23.8 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

