

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113149.D
 Acq On : 20 Mar 2019 3:06
 Operator : JU/SJ
 Sample : K1933-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2

Quant Time: Mar 20 07:18:59 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	6.72	152	191889	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	639521	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	345398	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	552565	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	425171	20.00	ng	0.00
87) Perylene-d12	15.27	264	321637	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1133891	91.92	ng	0.00
7) Phenol-d6	6.37	99	1411362	91.08	ng	0.00
23) Nitrobenzene-d5	7.29	82	790387	73.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	346574	94.52	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1317621	58.15	ng	-0.01
79) Terphenyl-d14	12.82	244	1155130	52.67	ng	0.00

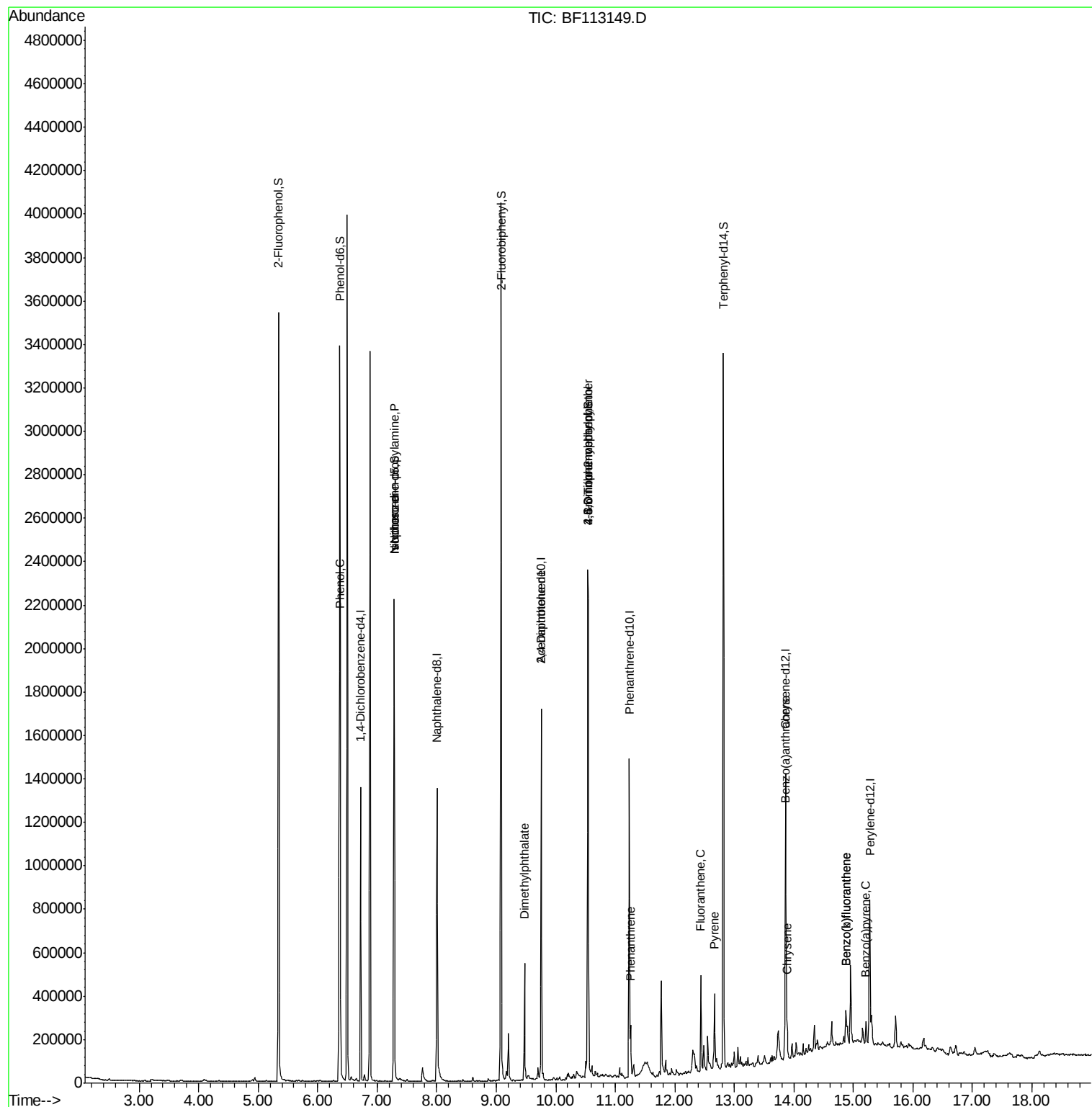
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	67274	3.720	ng	91
19) n-Nitroso-di-n-propylamine	7.29	70	105898	10.790	ng	# 75
25) Isophorone	7.29	82	774475	33.637	ng	# 66
50) Dimethylphthalate	9.47	163	242871	9.536	ng	99
57) 2,4-Dinitrotoluene	9.76	165	44121	6.693	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.54	198	603	4.853	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	20067	3.448	ng	# 1
71) Phenanthrene	11.26	178	77202	2.808	ng	98
75) Fluoranthene	12.44	202	176219	5.983	ng	96
78) Pyrene	12.67	202	148580	4.145	ng	97
81) Benzo(a)anthracene	13.85	228	87225	2.960	ng	99
83) Chrysene	13.89	228	66317	2.298	ng	97
88) Benzo(b)fluoranthene	14.87	252	106713	5.129	ng	99
89) Benzo(k)fluoranthene	14.87	252	106713	5.663	ng	99
90) Benzo(a)pyrene	15.21	252	53243	2.893	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

Instrument :

BNA_F

ClientSampleId :

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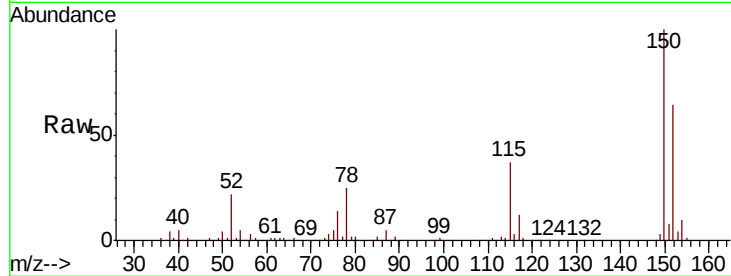
Tgt Ion:152 Resp: 191889

Ion Ratio Lower Upper

152 100

150 155.8 124.2 186.2

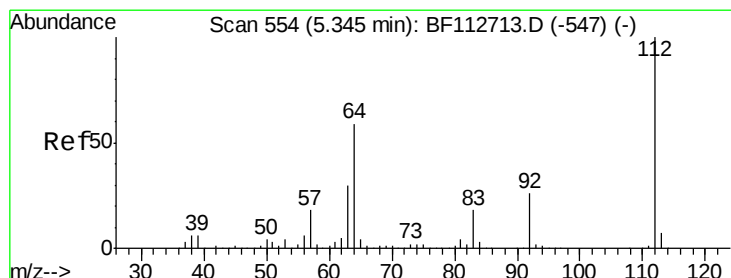
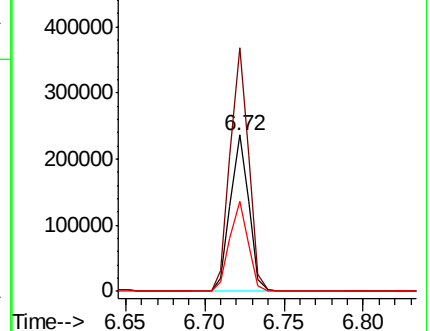
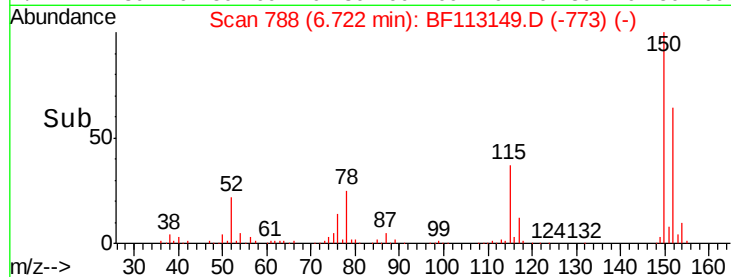
115 57.5 48.2 72.4



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: 91.919 ng

RT: 5.35 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

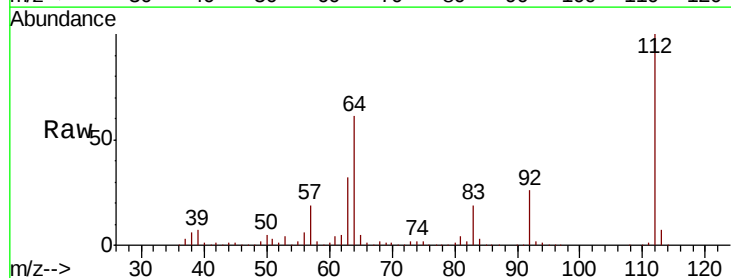
Tgt Ion:112 Resp: 1133891

Ion Ratio Lower Upper

112 100

64 61.4 47.6 71.4

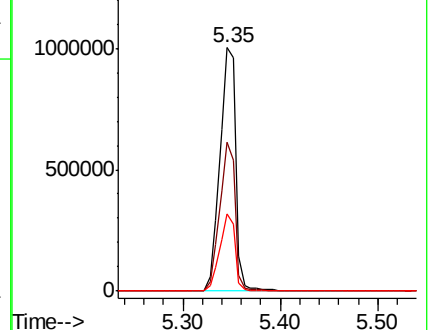
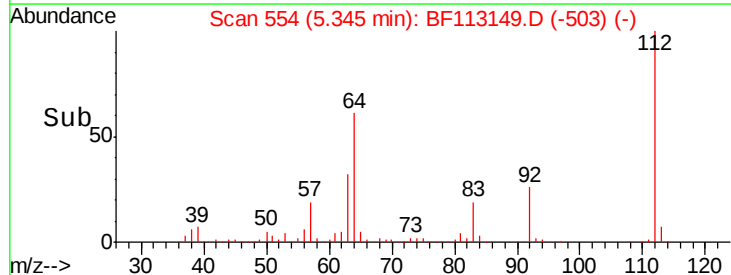
63 31.7 24.4 36.6

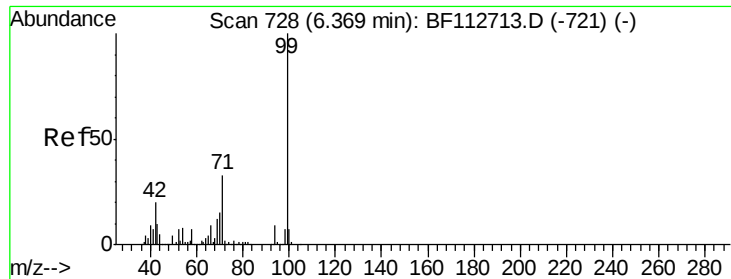


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 91.080 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

Instrument :

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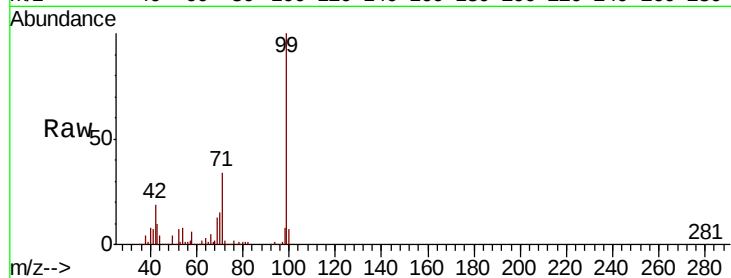
Tgt Ion: 99 Resp: 1411362

Ion Ratio Lower Upper

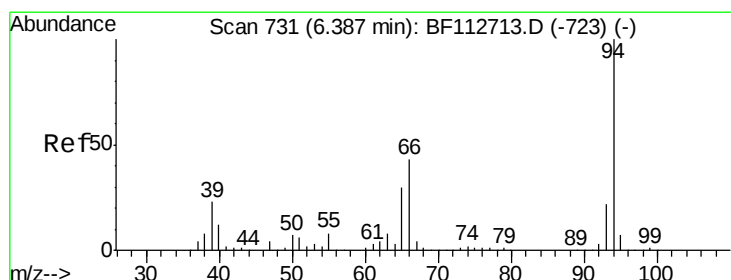
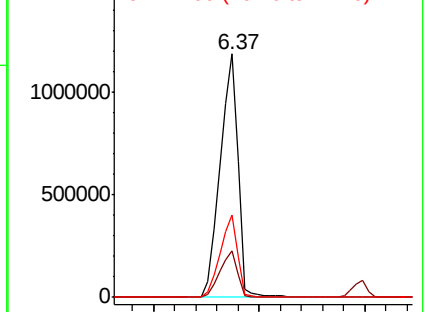
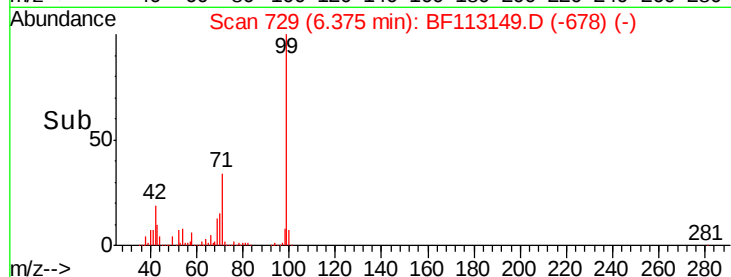
99 100

42 19.1 16.3 24.5

71 33.8 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



#10

Phenol

Concen: 3.720 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

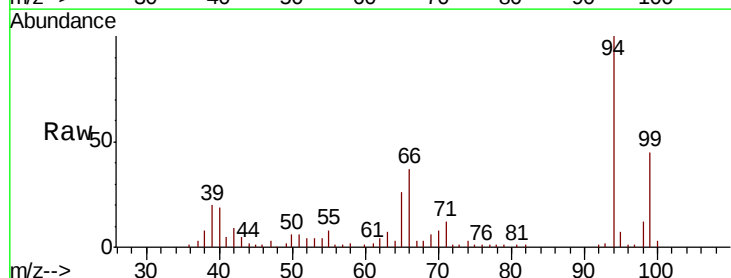
Tgt Ion: 94 Resp: 67274

Ion Ratio Lower Upper

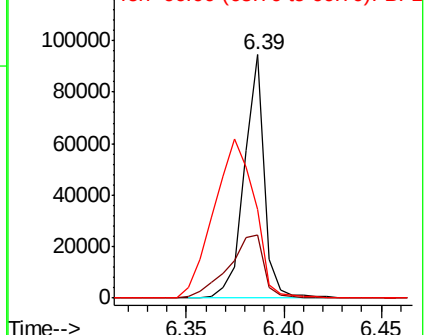
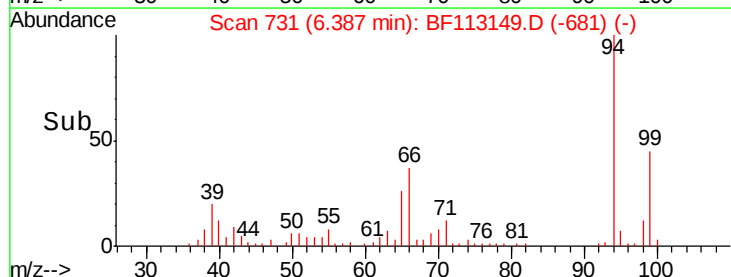
94 100

65 25.8 10.5 50.5

66 36.7 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

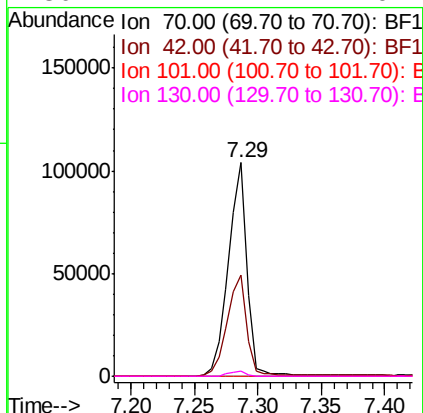
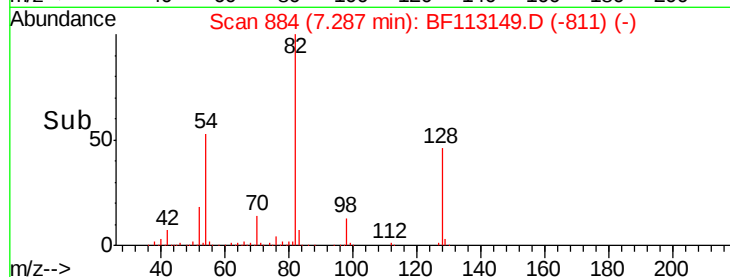
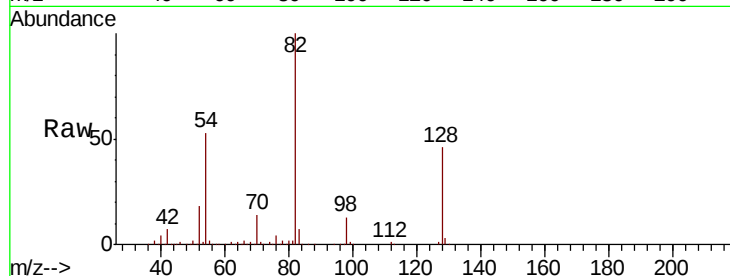




#19
n-Nitroso-di-n-propylamine
Concen: 10.790 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.13 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

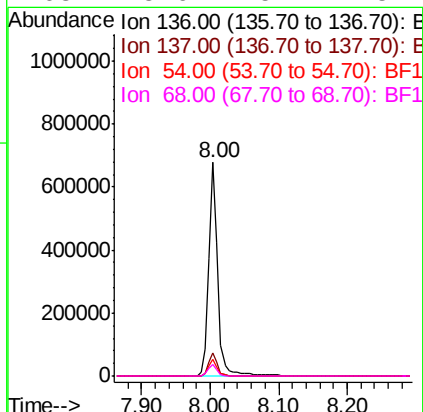
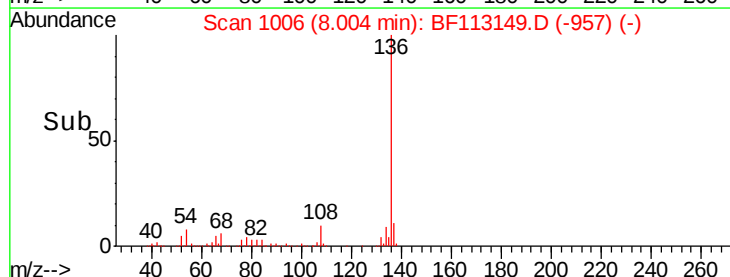
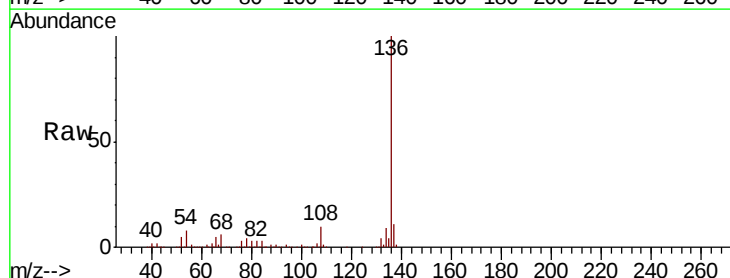
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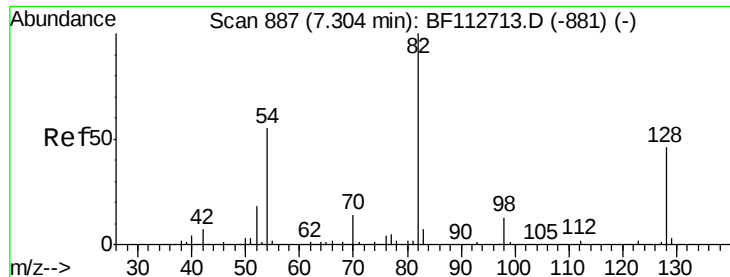
Tgt Ion: 70 Resp: 105898
Ion Ratio Lower Upper
70 100
42 47.2 49.9 74.9#
101 0.0 7.4 11.2#
130 2.2 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Tgt Ion: 136 Resp: 639521
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.0 7.3 10.9
68 5.6 5.4 8.2

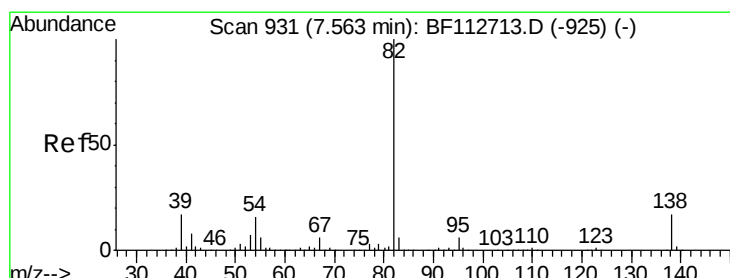
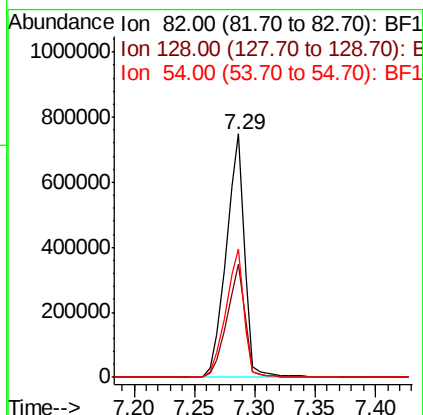
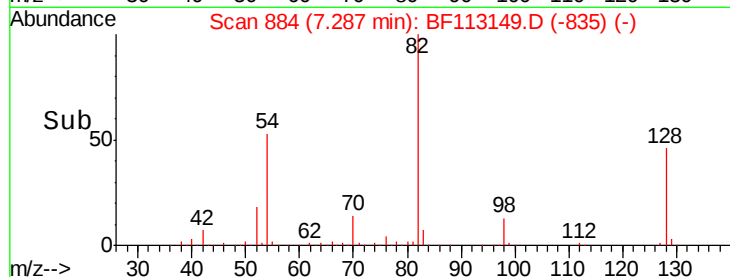
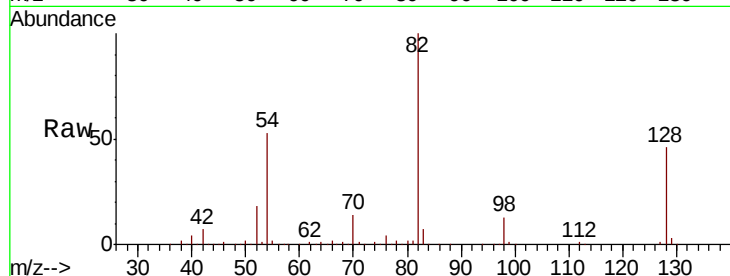




#23
Nitrobenzene-d5
Concen: 73.954 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

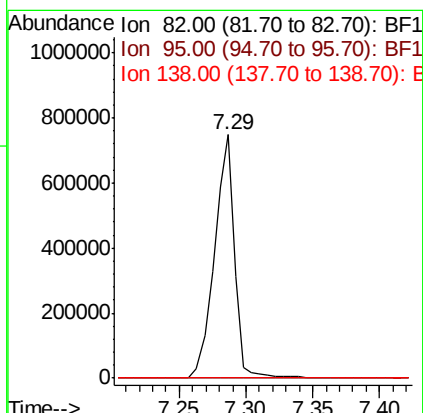
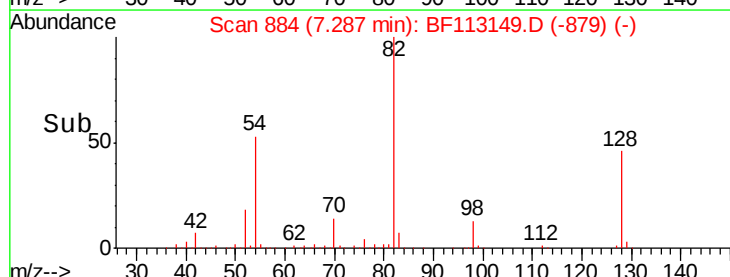
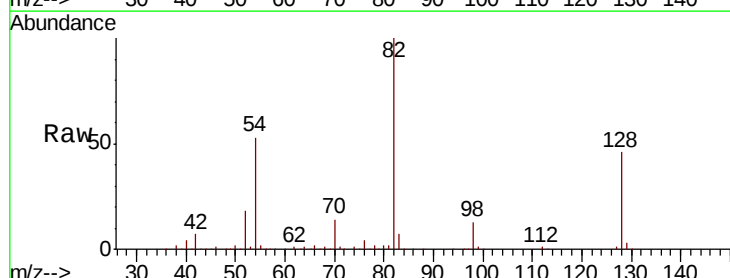
Instrument :
BNA_F
ClientSampleId :
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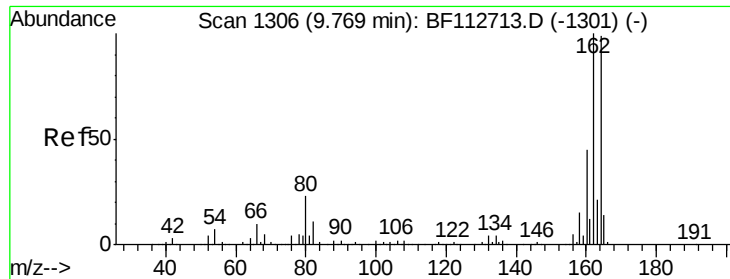
Tgt Ion: 82 Resp: 790387
Ion Ratio Lower Upper
82 100
128 46.3 36.3 54.5
54 53.0 43.7 65.5



#25
Isophorone
Concen: 33.637 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.27 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Tgt Ion: 82 Resp: 774475
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#

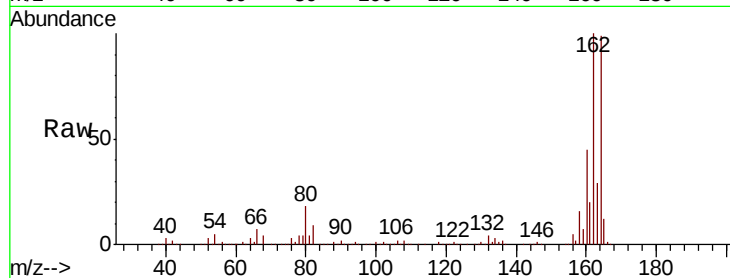




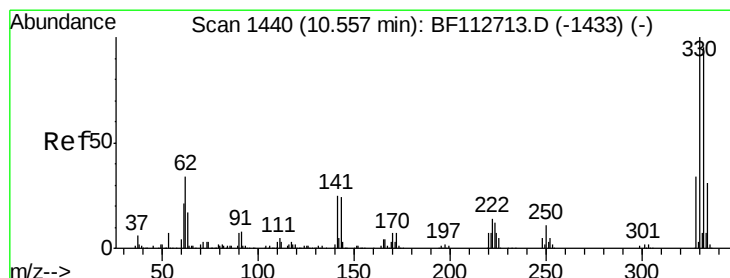
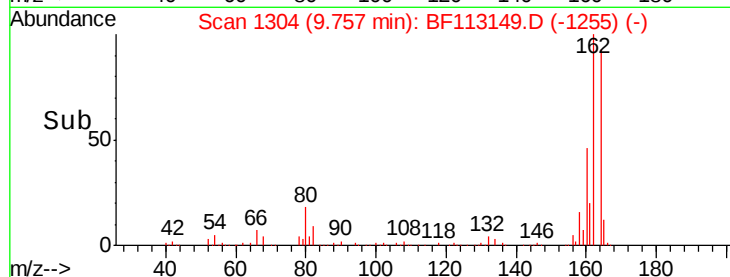
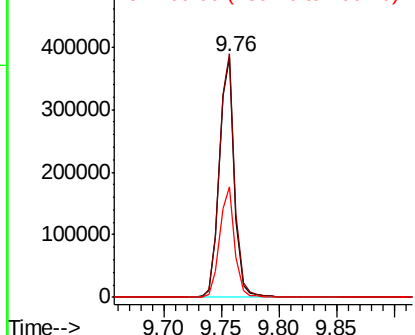
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113149.D
 Acq: 20 Mar 2019 3:06

Instrument :
 BNA_F
 ClientSampled :
 S-2

Tgt Ion:164 Resp: 345398
 Ion Ratio Lower Upper
 164 100
 162 101.5 80.6 120.8
 160 46.0 36.0 54.0

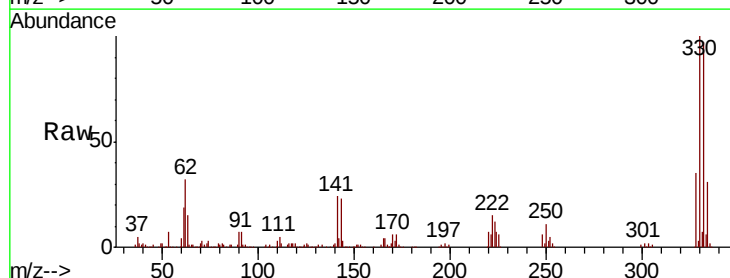


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

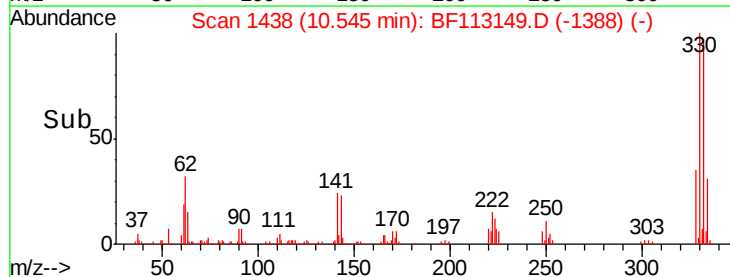
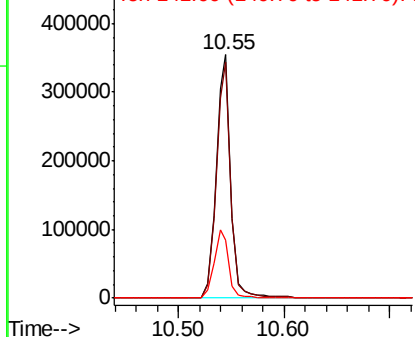


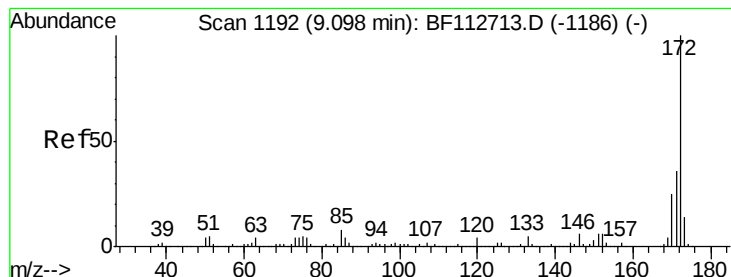
#42
 2,4,6-Tribromophenol
 Concen: 94.516 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113149.D
 Acq: 20 Mar 2019 3:06

Tgt Ion:330 Resp: 346574
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.2 114.4
 141 28.7 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: 58.146 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

Instrument :

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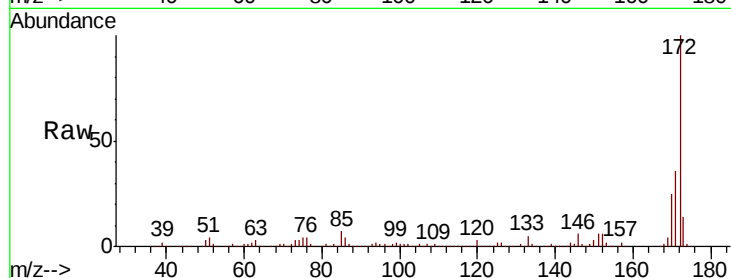
Tgt Ion:172 Resp: 1317621

Ion Ratio Lower Upper

172 100

171 36.4 29.0 43.4

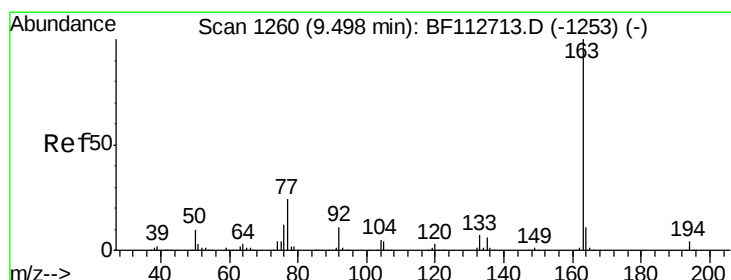
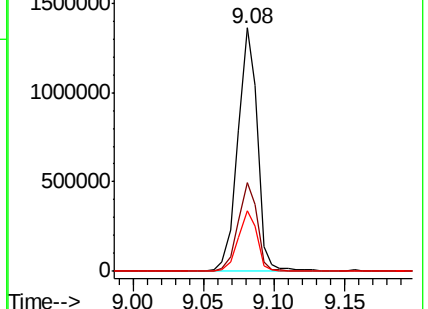
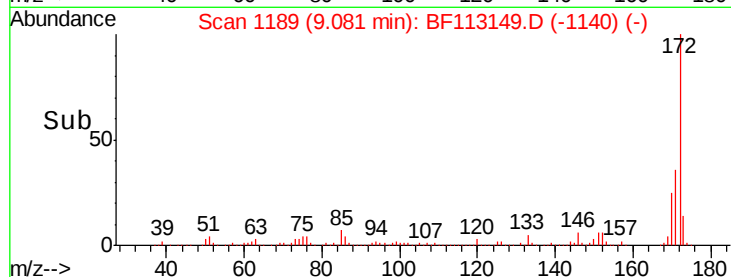
170 24.7 20.0 30.0



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: 9.536 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

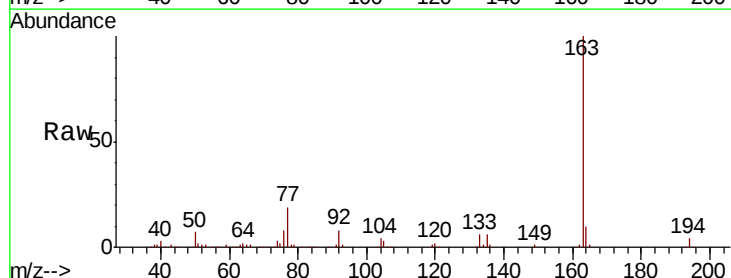
Tgt Ion:163 Resp: 242871

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

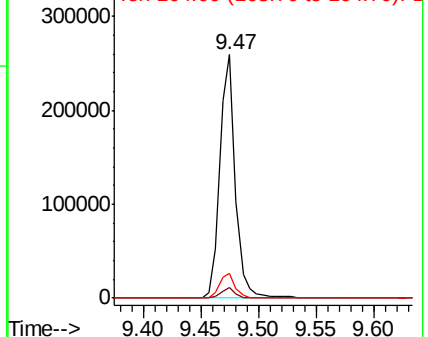
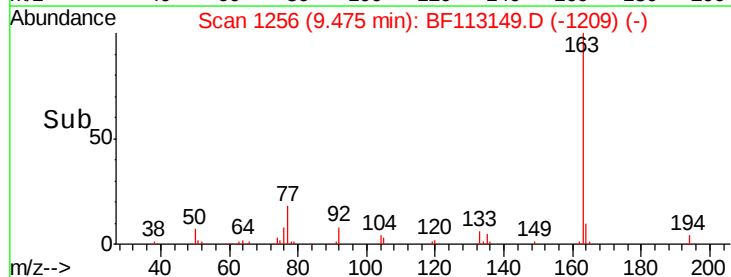
164 10.2 8.4 12.6



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

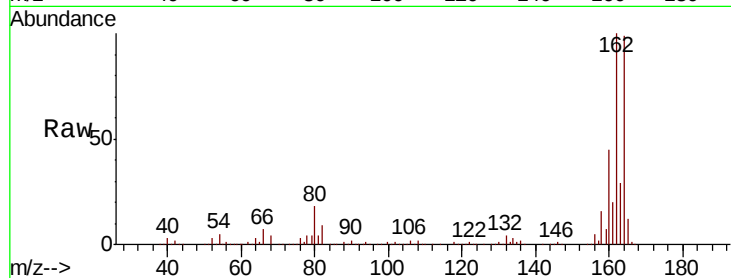




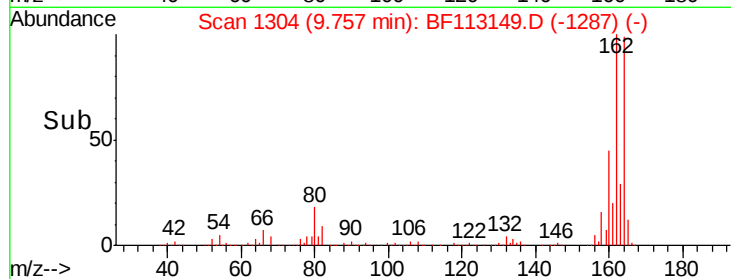
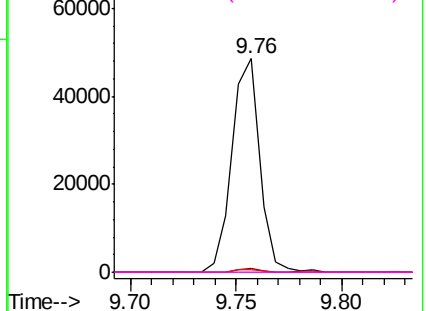
#57
2,4-Dinitrotoluene
Concen: 6.693 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.20 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	165	Resp:	44121
Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.2	63.2#
89	1.4	66.2	99.4#
182	0.0	1.8	2.6#

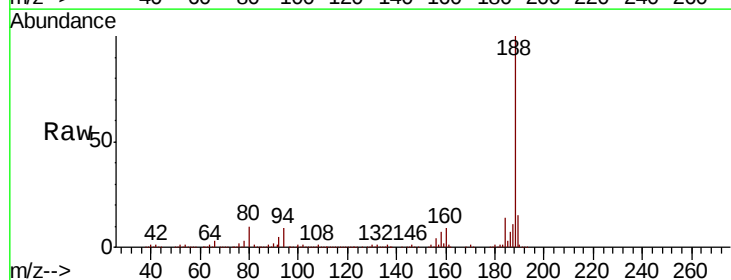


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

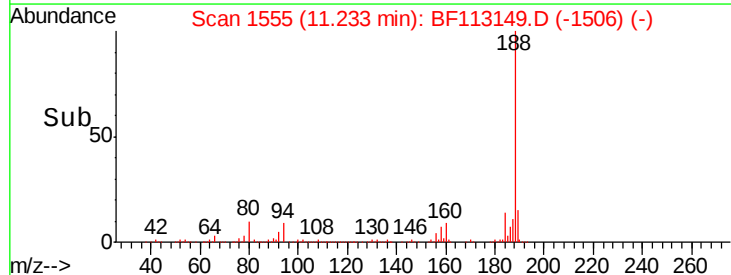
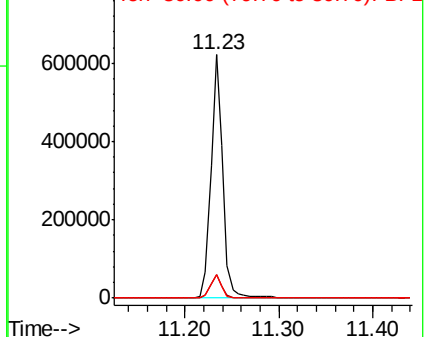


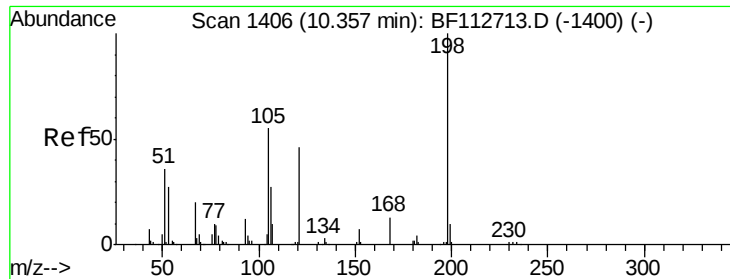
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Tgt Ion:	188	Resp:	552565
Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.0	13.4
80	9.9	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

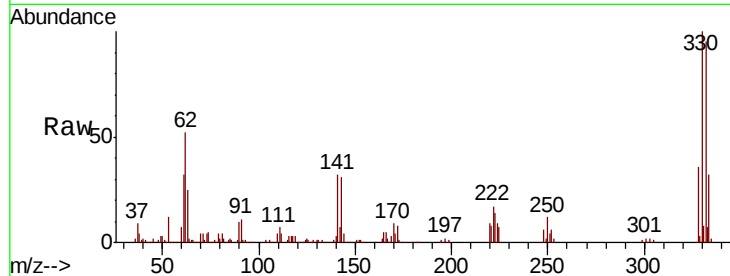




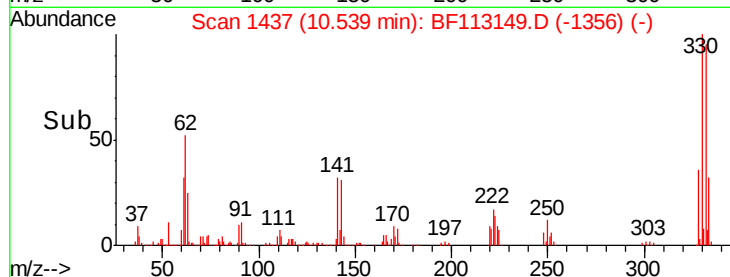
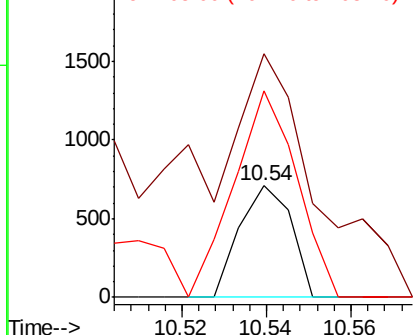
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.853 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF113149.D
 Acq: 20 Mar 2019 3:06

Instrument :
 BNA_F
 ClientSampleId :
 S-2

Tgt Ion:198 Resp: 603
 Ion Ratio Lower Upper
 198 100
 51 218.0 43.8 83.8#
 105 184.6 36.5 76.5#

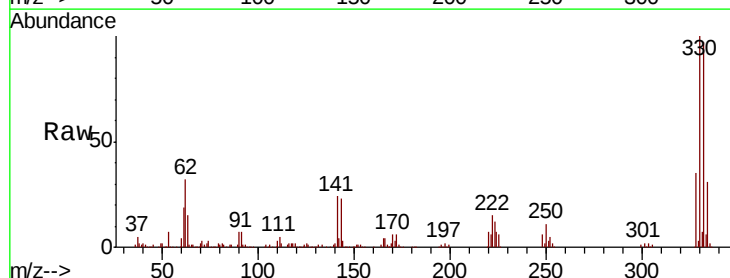


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

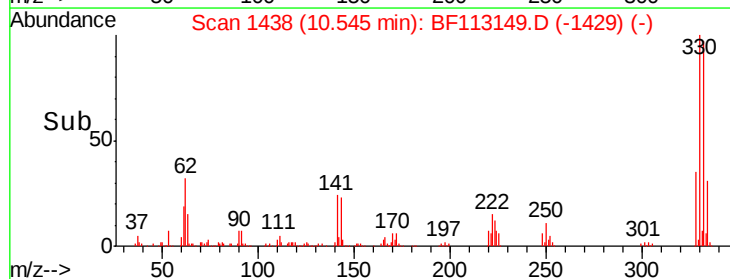
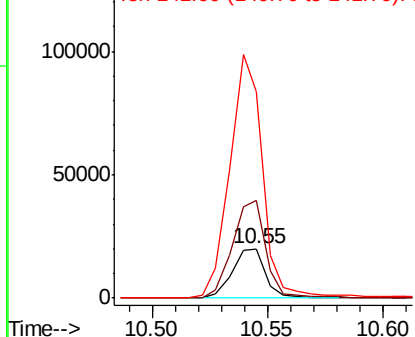


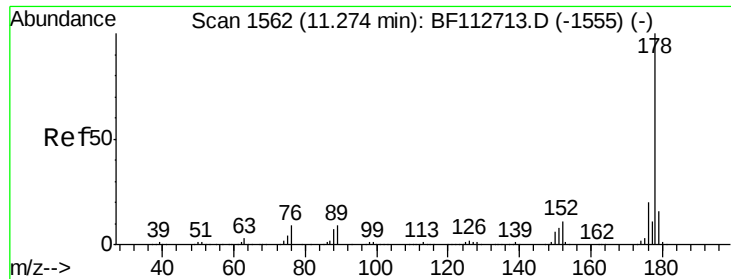
#67
 4-Bromophenyl-phenylether
 Concen: 3.448 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113149.D
 Acq: 20 Mar 2019 3:06

Tgt Ion:248 Resp: 20067
 Ion Ratio Lower Upper
 248 100
 250 197.7 77.5 116.3#
 141 417.9 62.4 93.6#



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

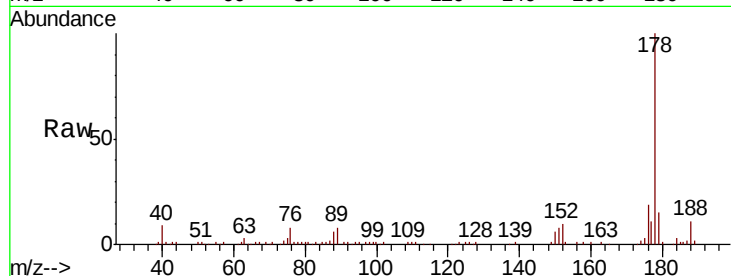




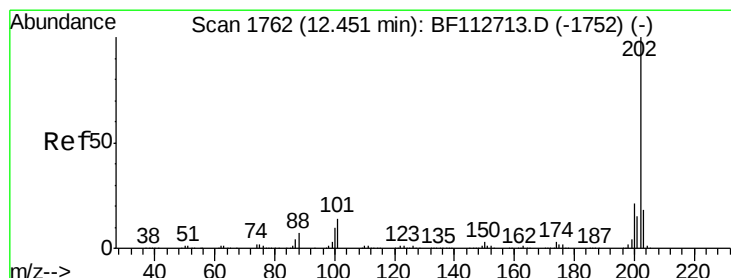
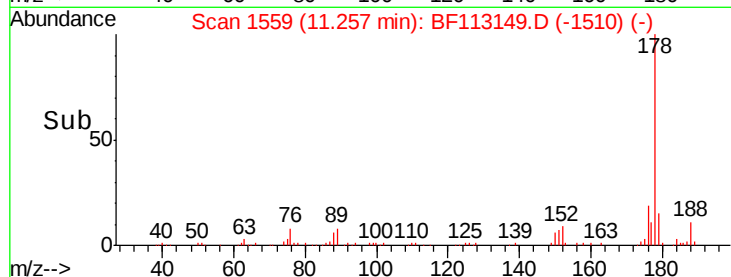
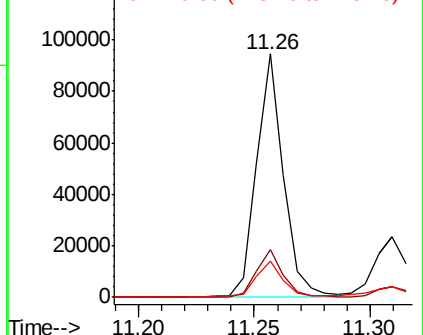
#71
Phenanthrene
Concen: 2.808 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion:178 Resp: 77202
Ion Ratio Lower Upper
178 100
176 19.4 16.3 24.5
179 14.9 12.7 19.1

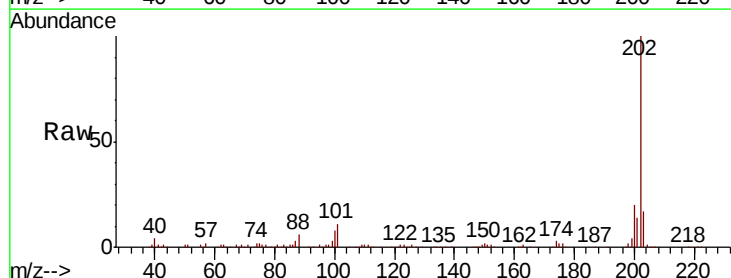


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

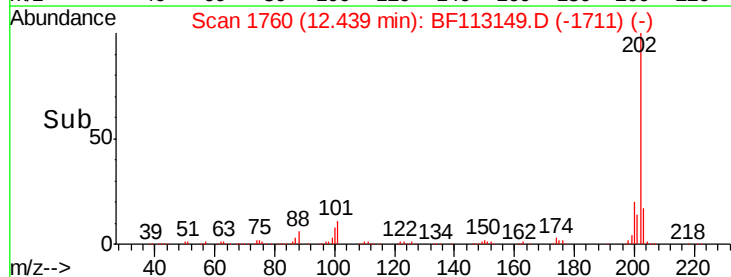
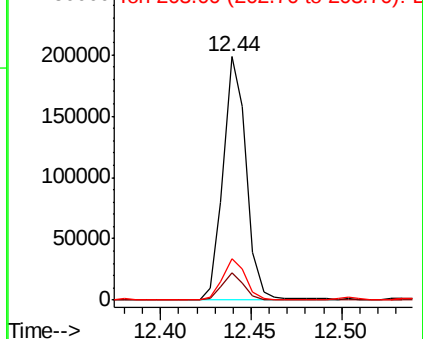


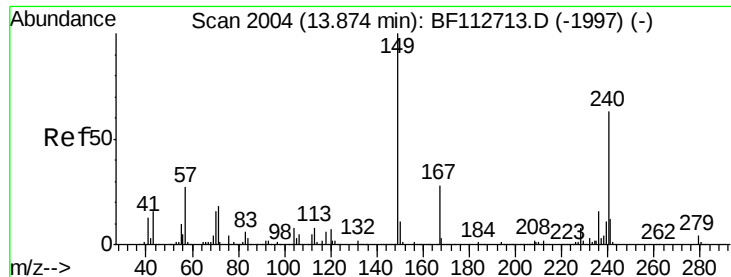
#75
Fluoranthene
Concen: 5.983 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Tgt Ion:202 Resp: 176219
Ion Ratio Lower Upper
202 100
101 11.3 0.0 33.8
203 17.2 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: BF113149.D

Acq: 20 Mar 2019 3:06

Instrument :

BNA_F

ClientSampleId :

S-2

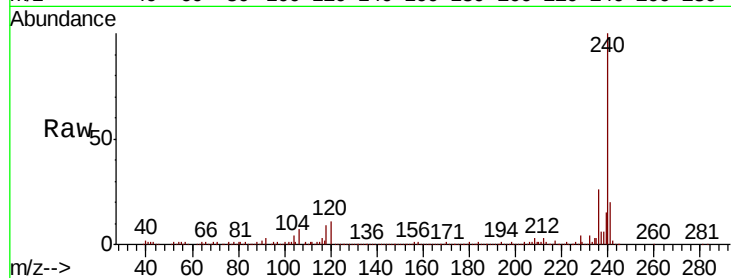
Tgt Ion:240 Resp: 425171

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

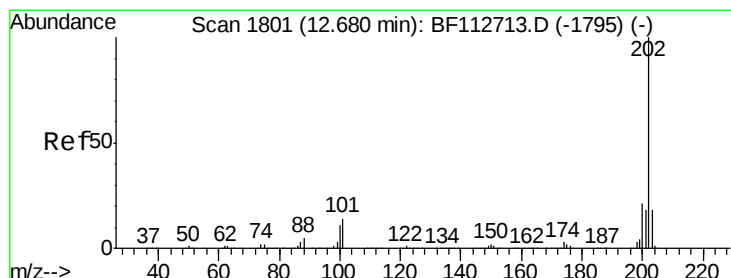
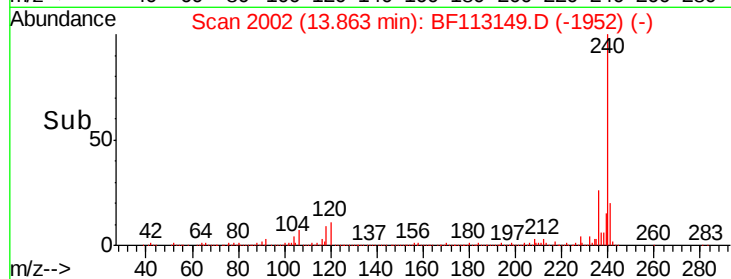
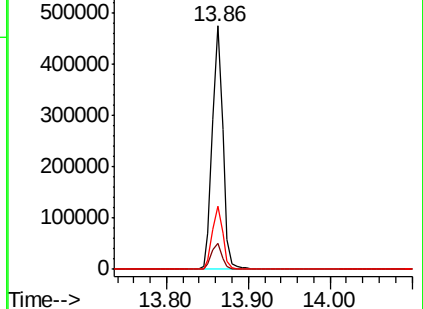
236 25.9 20.7 31.1



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: 4.145 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

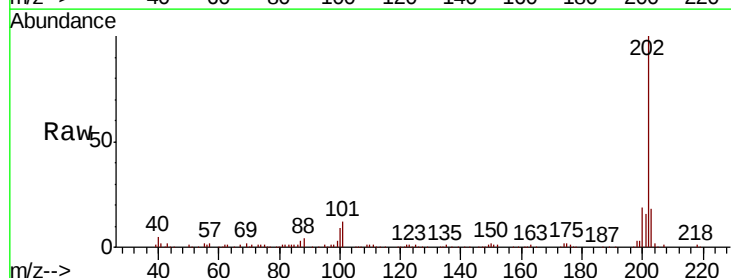
Tgt Ion:202 Resp: 148580

Ion Ratio Lower Upper

202 100

200 18.8 17.0 25.4

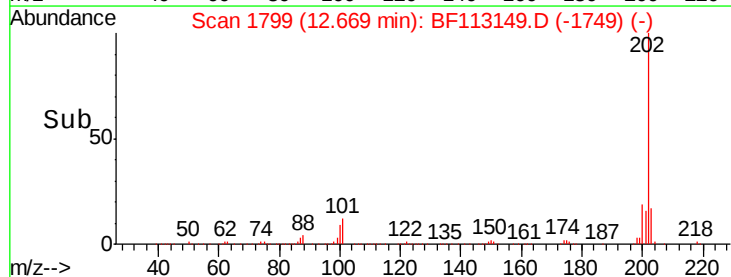
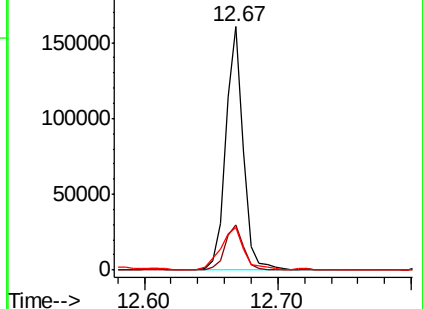
203 17.6 14.4 21.6

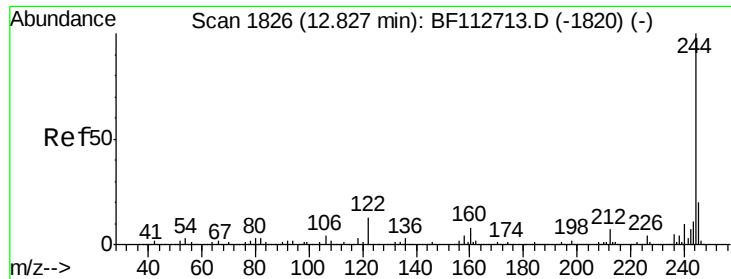


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

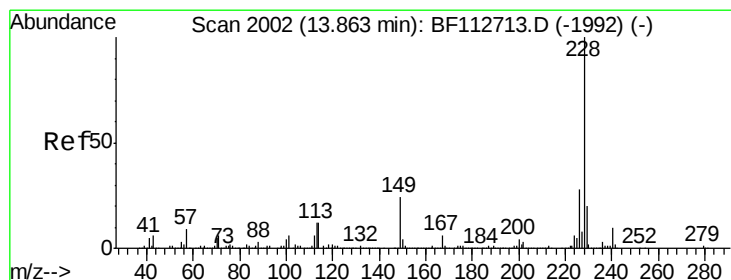
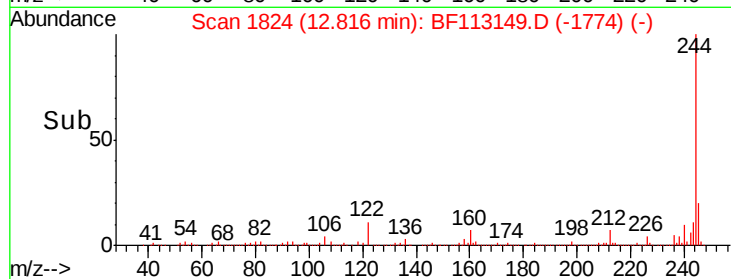
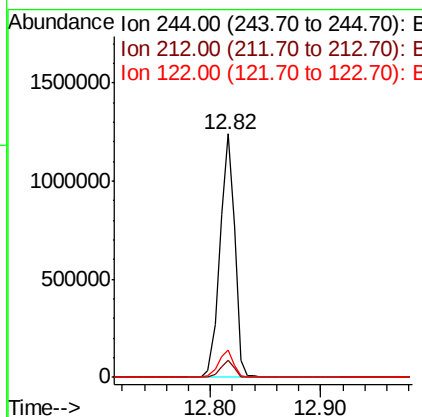
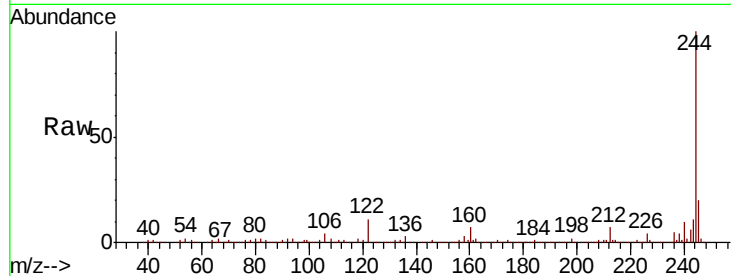




#79
 Terphenyl-d14
 Concen: 52.666 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113149.D
 Acq: 20 Mar 2019 3:06

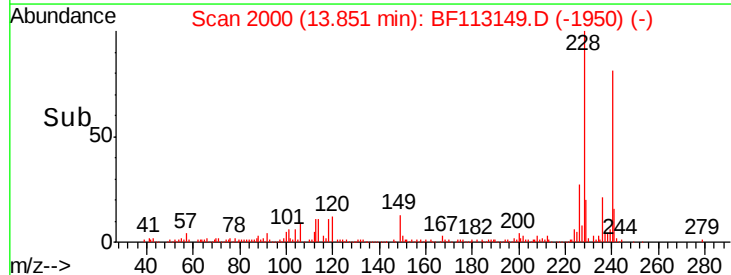
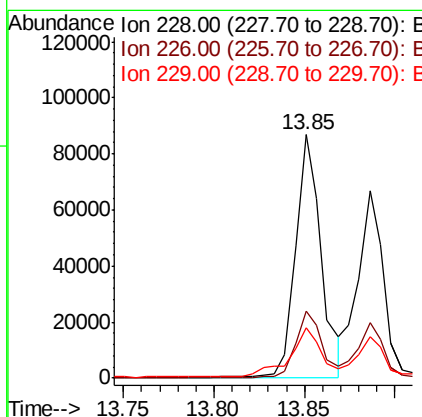
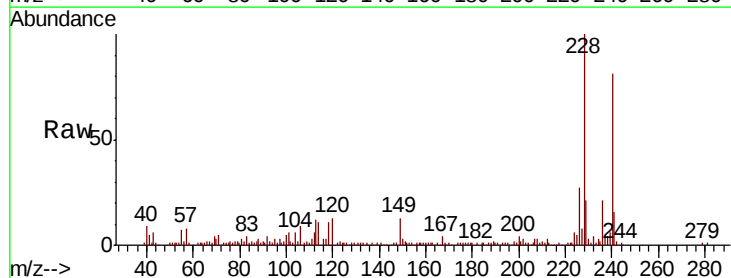
Instrument :
 BNA_F
 ClientSampleId :
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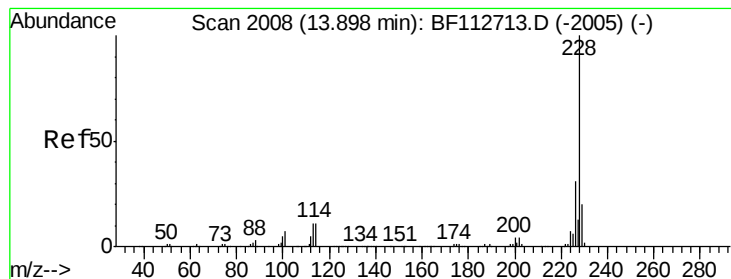
Tgt Ion:244 Resp: 1155130
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.3 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 2.960 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF113149.D
 Acq: 20 Mar 2019 3:06

Tgt Ion:228 Resp: 87225
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.2 33.4
 229 20.8 16.0 24.0





#83

Chrysene

Concen: 2.298 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

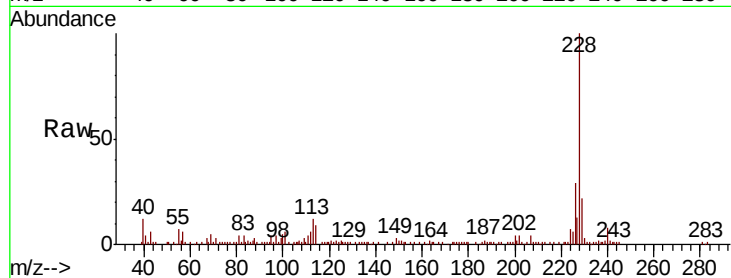
Instrument :

BNA_F

ClientSampleId :

S-2

Tgt Ion:	228	Resp:	66317
Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	22.0	16.3	24.5

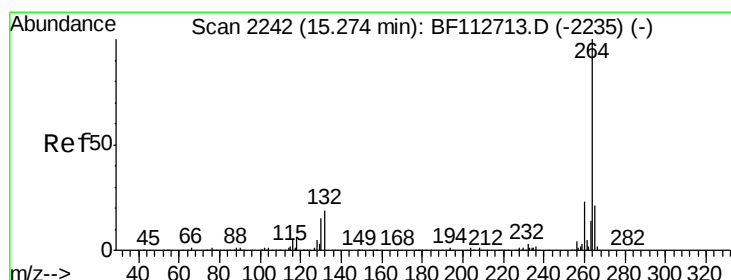
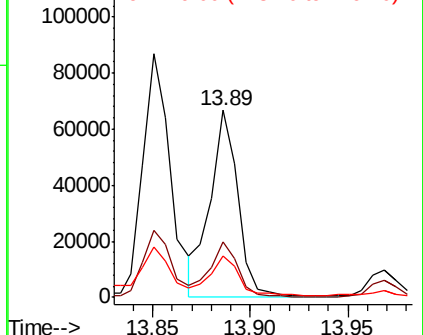
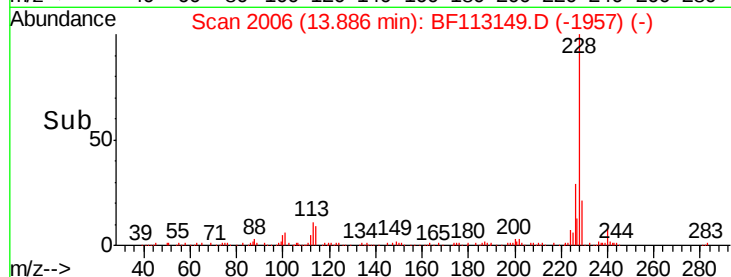


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

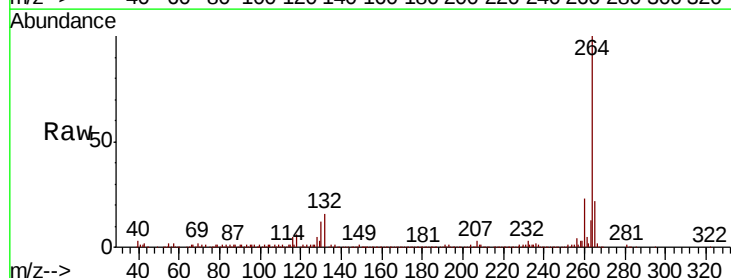
RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

Tgt Ion:	264	Resp:	321637
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	22.0	17.2	25.8

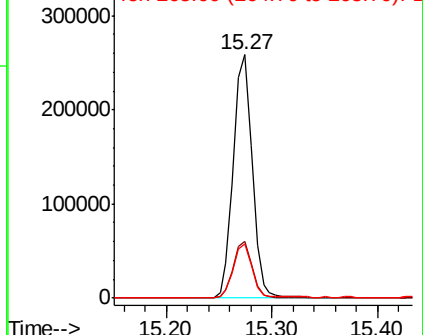
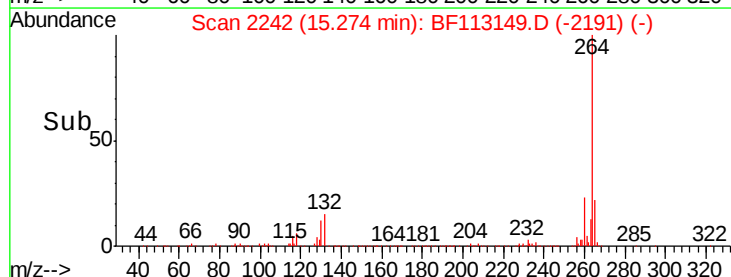


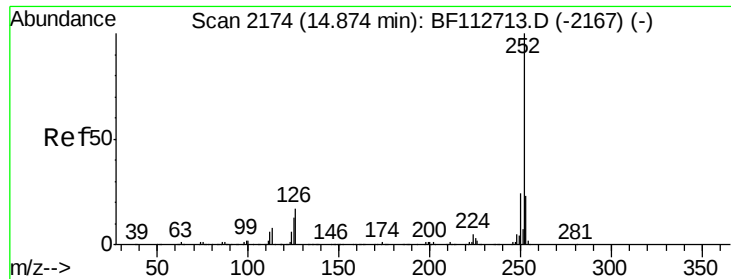
Abundance

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

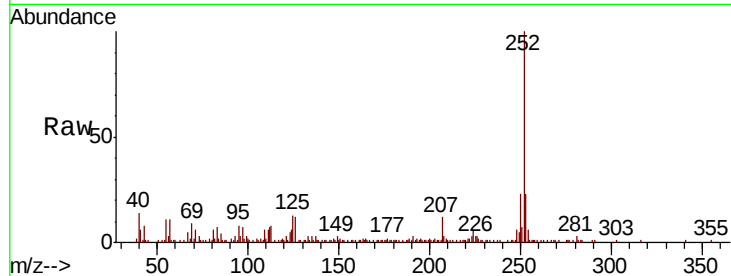




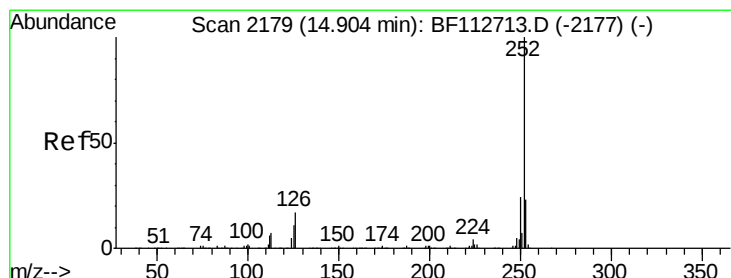
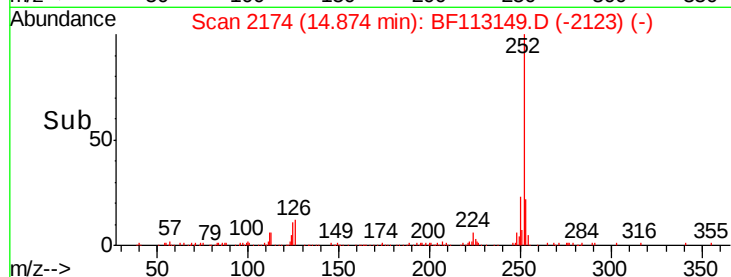
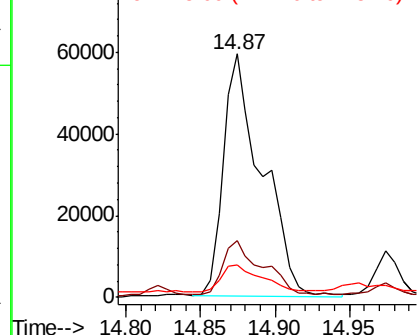
#88
Benzo(b)fluoranthene
Concen: 5.129 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	13.1	10.2	15.2

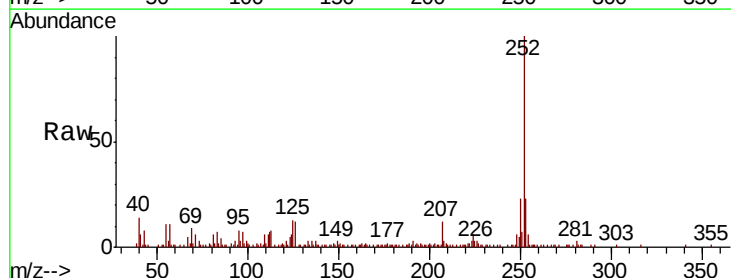


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

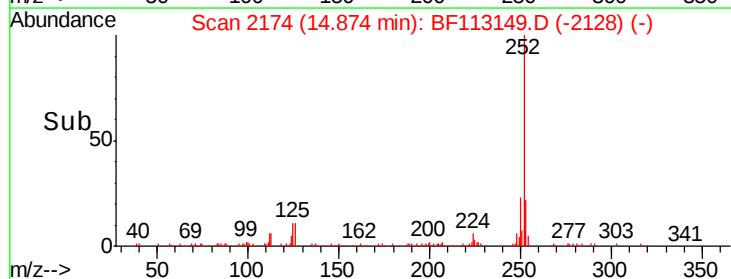
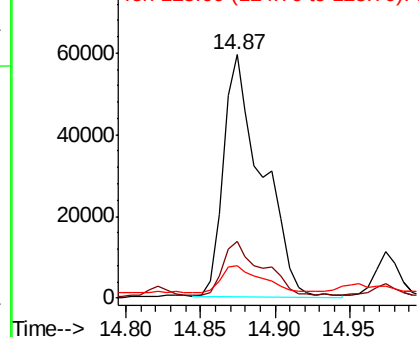


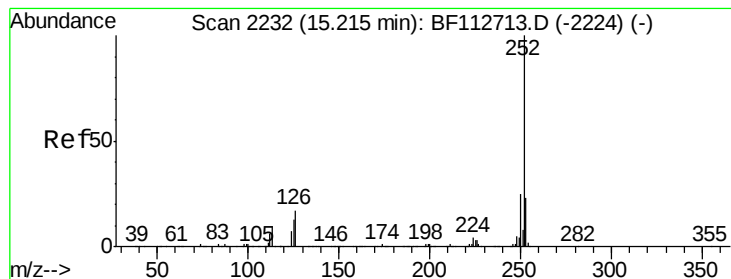
#89
Benzo(k)fluoranthene
Concen: 5.663 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113149.D
Acq: 20 Mar 2019 3:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	13.1	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: 2.893 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF113149.D

Acq: 20 Mar 2019 3:06

Instrument :

BNA_F

ClientSampleId :

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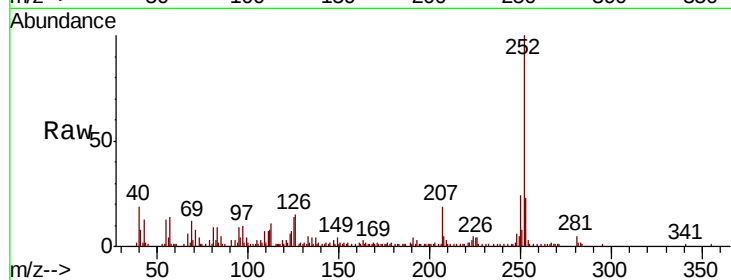
Tgt Ion:252 Resp: 53243

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 13.9 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

