

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030719\
 Data File : BF112930.D
 Acq On : 7 Mar 2019 19:17
 Operator : JU/SJ
 Sample : K1757-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6CD-S

Quant Time: Mar 08 00:21:03 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	202022	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	784673	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	390078	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	802454	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	679783	20.00	ng	-0.01
87) Perylene-d12	15.26	264	609788	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1133270	87.26	ng	0.00
7) Phenol-d6	6.37	99	1437385	88.11	ng	0.00
23) Nitrobenzene-d5	7.29	82	880568	67.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	464387	112.14	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1553869	61.32	ng	-0.01
79) Terphenyl-d14	12.82	244	1712457	48.83	ng	0.00

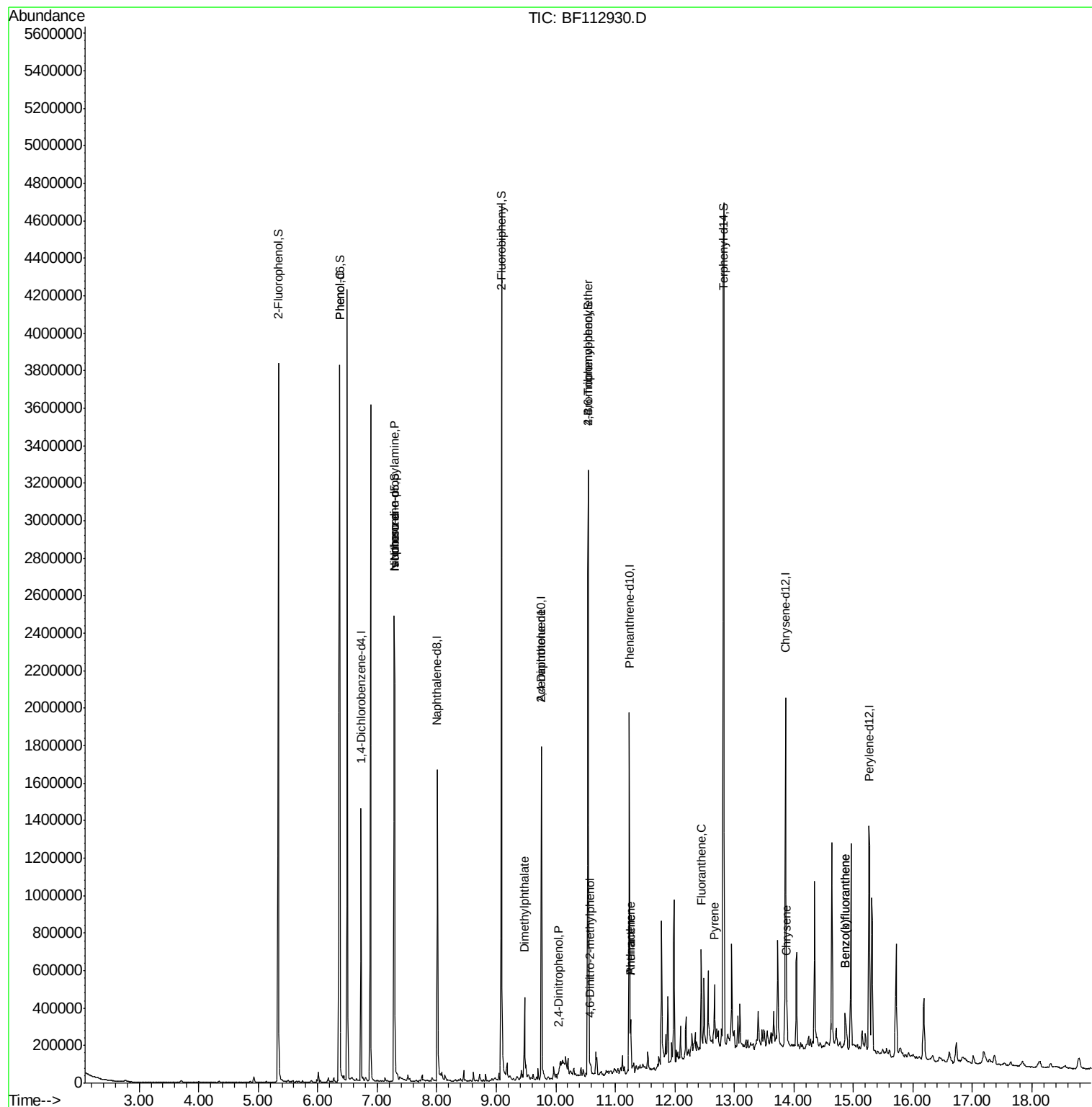
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	65835	3.458	ng	93
19) n-Nitroso-di-n-propylamine	7.29	70	115566	11.185	ng	# 76
25) Isophorone	7.29	82	872922	30.899	ng	# 66
50) Dimethylphthalate	9.47	163	185285	6.442	ng	100
54) 2,4-Dinitrophenol	10.05	184	143	6.507	ng	# 23
57) 2,4-Dinitrotoluene	9.76	165	50788	6.822	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.57	198	654	4.792	ng	96
67) 4-Bromophenyl-phenylether	10.55	248	26462	3.131	ng	# 1
71) Phenanthrene	11.26	178	86783	2.174	ng	97
72) Anthracene	11.26	178	86783	2.076	ng	97
75) Fluoranthene	12.44	202	176904	4.136	ng	98
78) Pyrene	12.67	202	139459	2.434	ng	98
83) Chrysene	13.89	228	102066	2.212	ng	97
88) Benzo(b)fluoranthene	14.86	252	135575	3.437	ng	97
89) Benzo(k)fluoranthene	14.86	252	135575	3.795	ng	97

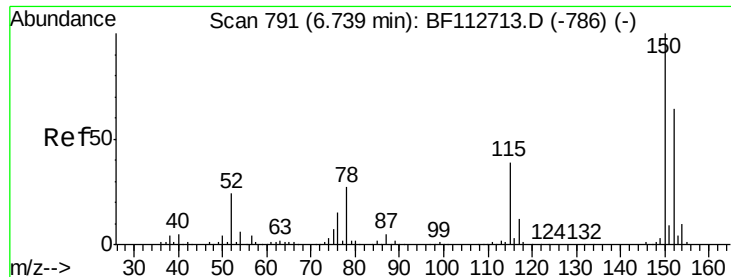
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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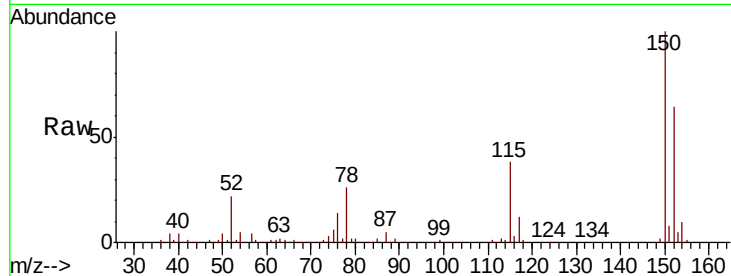


#1

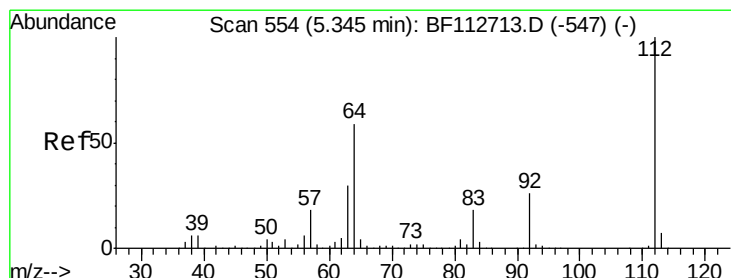
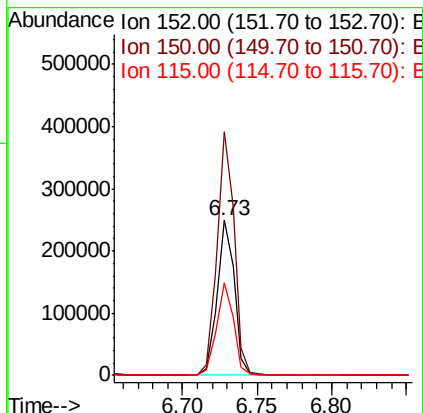
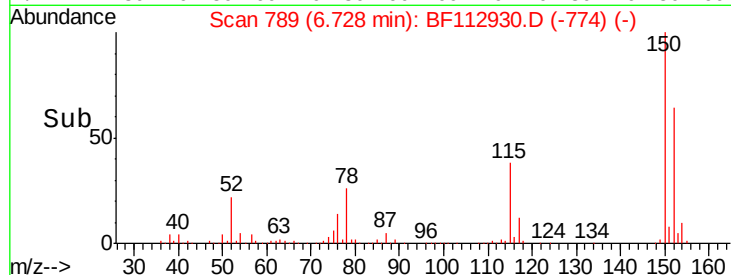
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112930.D
Acq: 7 Mar 2019 19:17

Instrument :
BNA_F
ClientSampleId :
TP-6CD-S

Tgt Ion:152 Resp: 202022
Ion Ratio Lower Upper
152 100
150 157.0 124.2 186.2
115 59.3 48.2 72.4



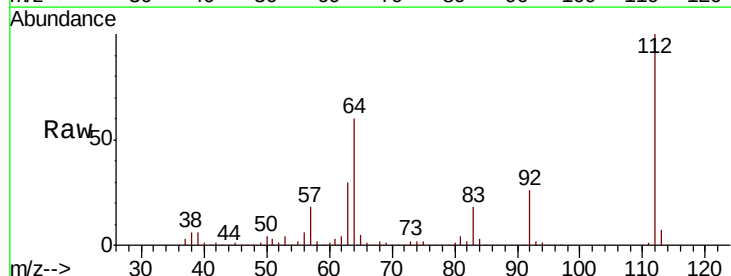
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



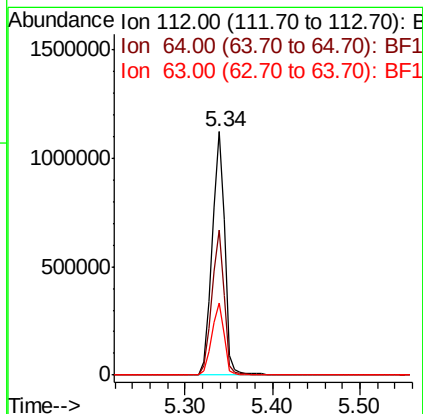
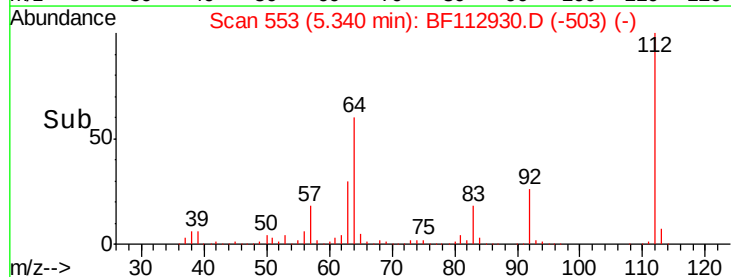
#5

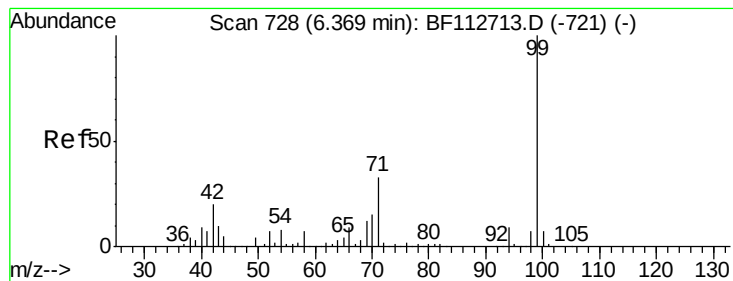
2-Fluorophenol
Concen: 87.260 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF112930.D
Acq: 7 Mar 2019 19:17

Tgt Ion:112 Resp: 1133270
Ion Ratio Lower Upper
112 100
64 59.6 47.6 71.4
63 29.7 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: 88.107 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112930.D

Acq: 7 Mar 2019 19:17

Instrument :

BNA_F

ClientSampleId :

TP-6CD-S

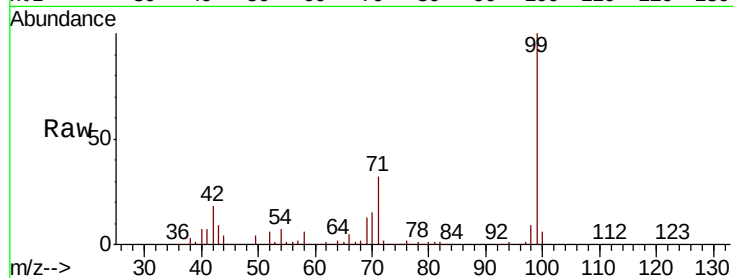
Tgt Ion: 99 Resp: 1437385

Ion Ratio Lower Upper

99 100

42 18.3 16.3 24.5

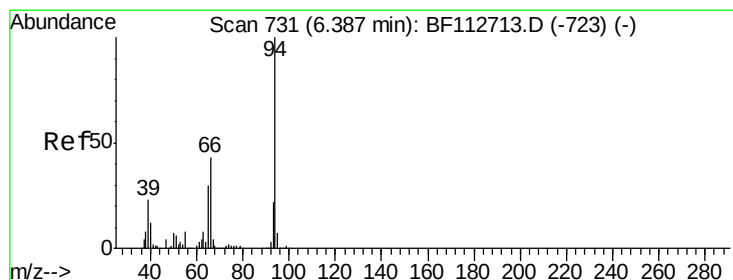
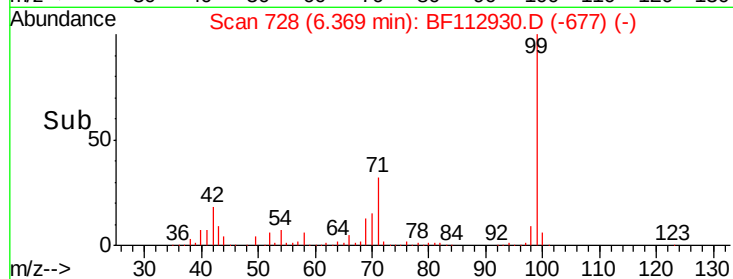
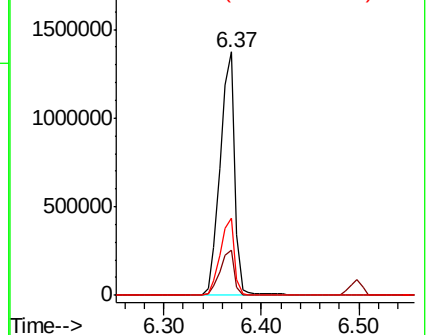
71 31.6 26.2 39.4



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: 3.458 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112930.D

Acq: 7 Mar 2019 19:17

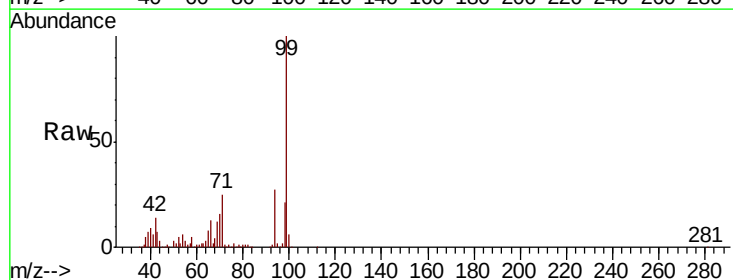
Tgt Ion: 94 Resp: 65835

Ion Ratio Lower Upper

94 100

65 30.7 10.5 50.5

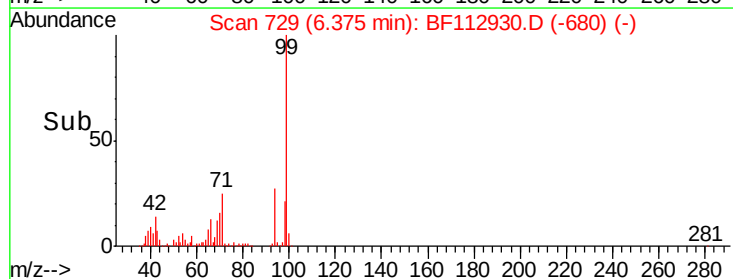
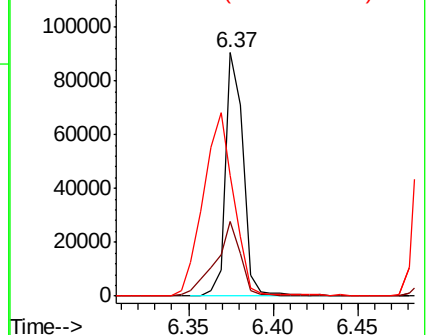
66 49.6 22.6 62.6

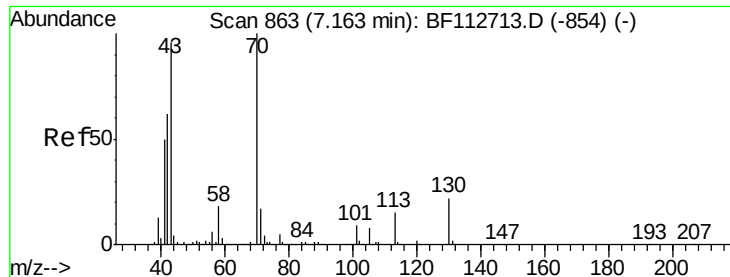


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 11.185 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112930.D

Acq: 7 Mar 2019 19:17

Instrument :

BNA_F

ClientSampleId :

TP-6CD-S

Tgt Ion: 70 Resp: 115566

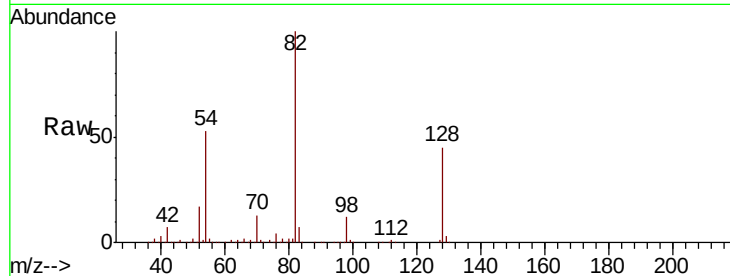
Ion Ratio Lower Upper

70 100

42 49.0 49.9 74.9#

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#

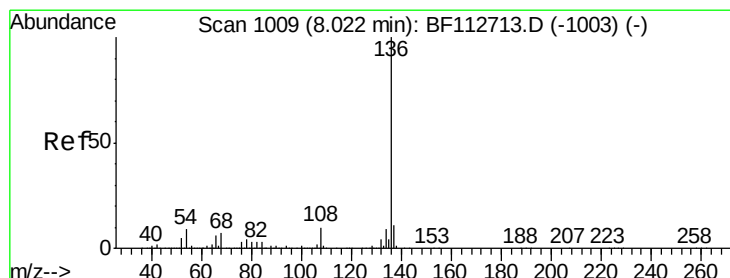
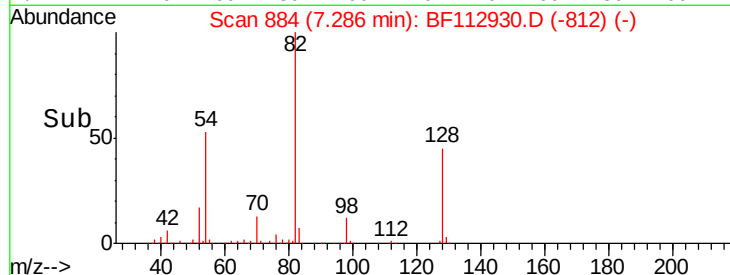
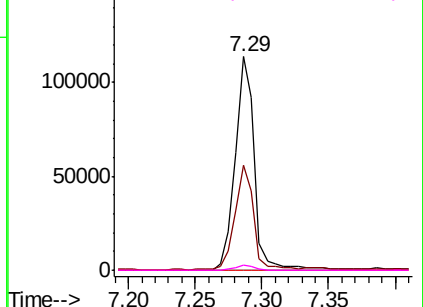


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF112930.D

Acq: 7 Mar 2019 19:17

Tgt Ion: 136 Resp: 784673

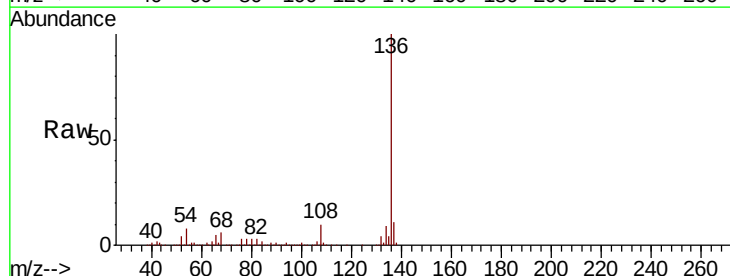
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.1 7.3 10.9

68 6.5 5.4 8.2

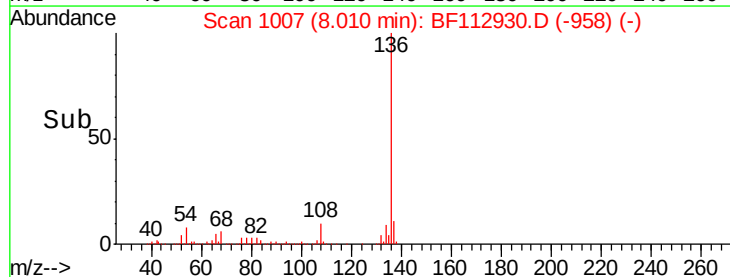
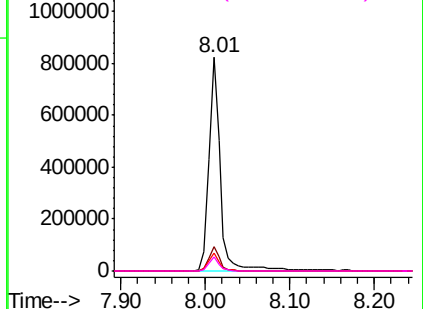


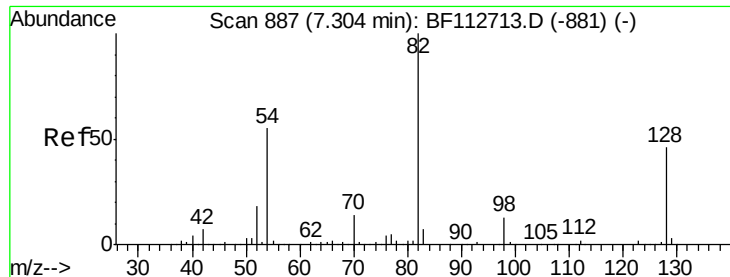
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

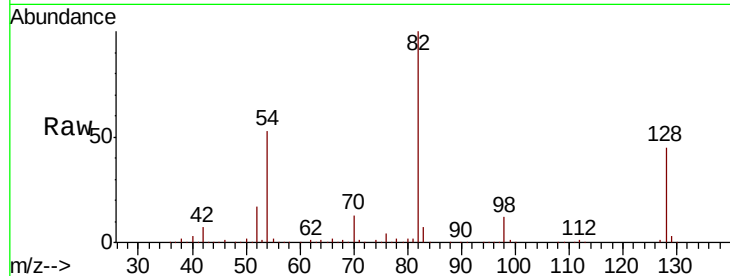




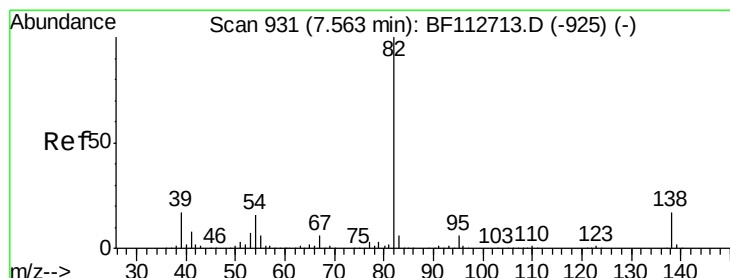
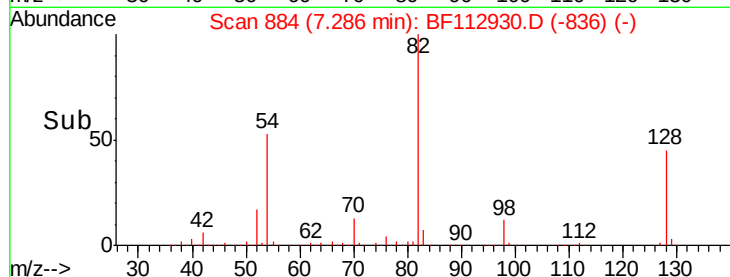
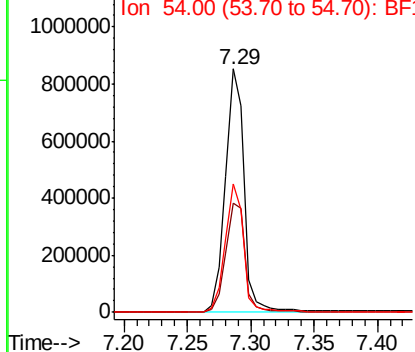
#23
Nitrobenzene-d5
Concen: 67.151 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112930.D
Acq: 7 Mar 2019 19:17

Instrument :
BNA_F
ClientSampleId :
TP-6CD-S

Tgt Ion: 82 Resp: 880568
Ion Ratio Lower Upper
82 100
128 45.1 36.3 54.5
54 52.9 43.7 65.5

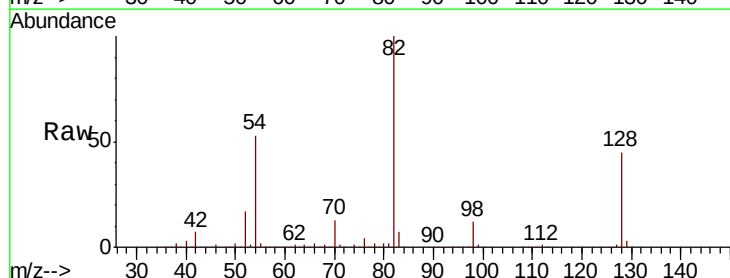


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

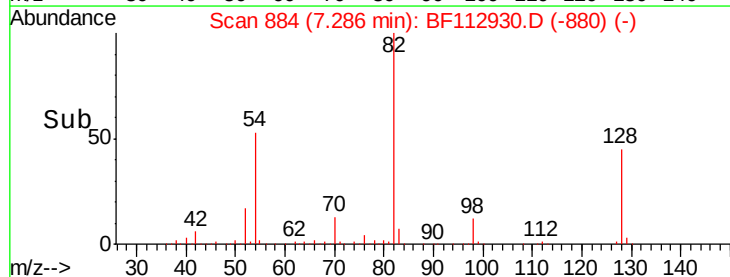
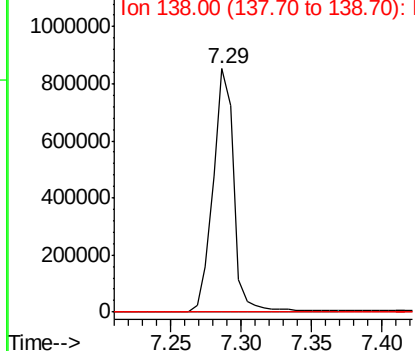


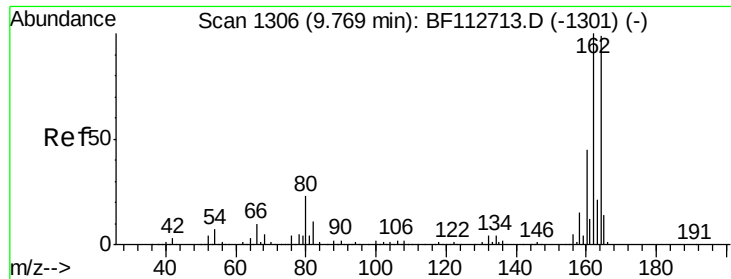
#25
Isophorone
Concen: 30.899 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112930.D
Acq: 7 Mar 2019 19:17

Tgt Ion: 82 Resp: 872922
Ion Ratio Lower Upper
82 100
95 0.1 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

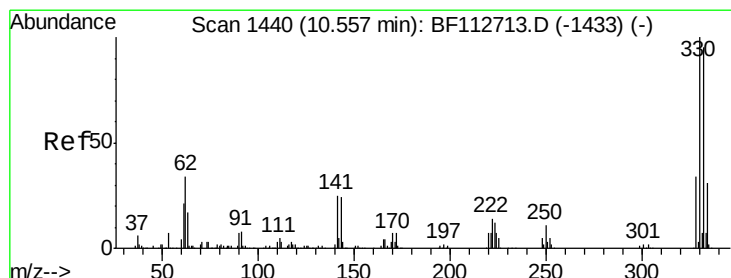
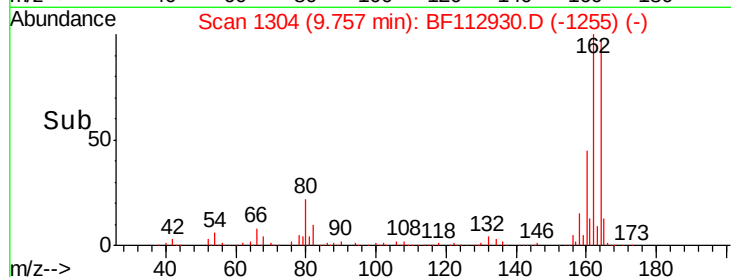
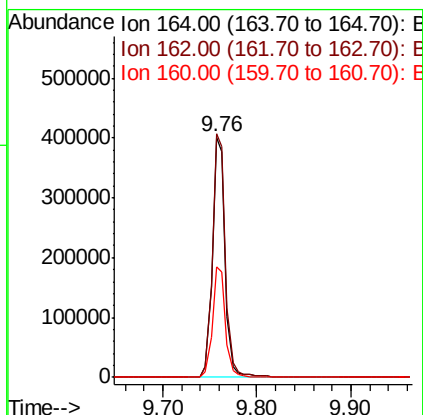
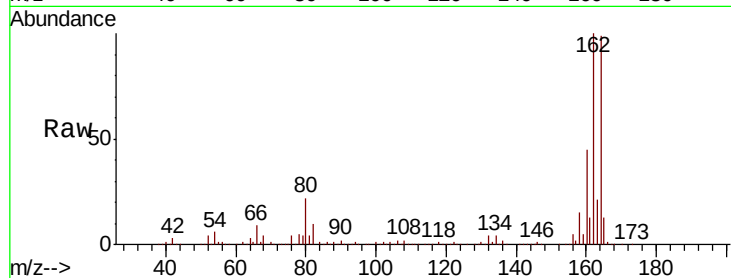




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF112930.D
Acq: 7 Mar 2019 19:17

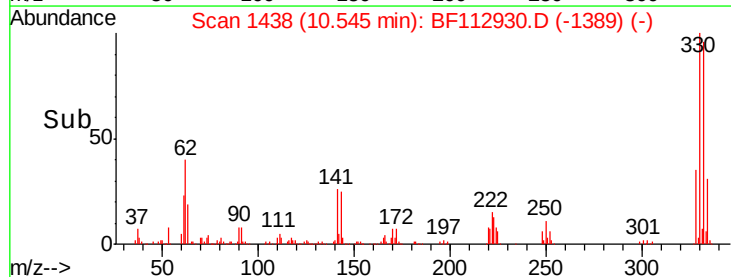
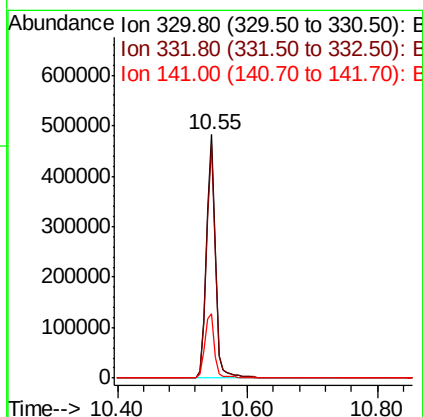
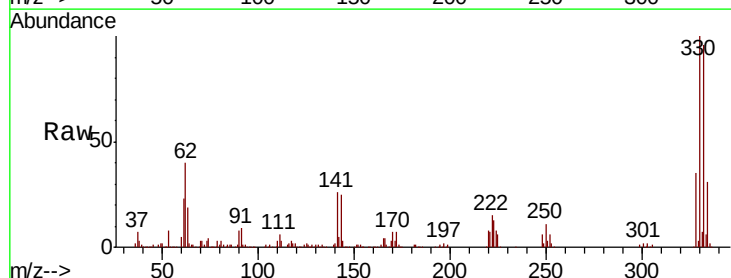
Instrument :
BNA_F
ClientSampleId :
TP-6CD-S

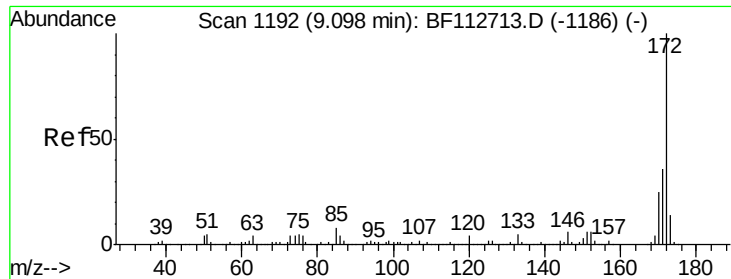
Tgt Ion:164 Resp: 390078
Ion Ratio Lower Upper
164 100
162 101.4 80.6 120.8
160 46.0 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 112.139 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112930.D
Acq: 7 Mar 2019 19:17

Tgt Ion:330 Resp: 464387
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 28.2 27.0 40.6

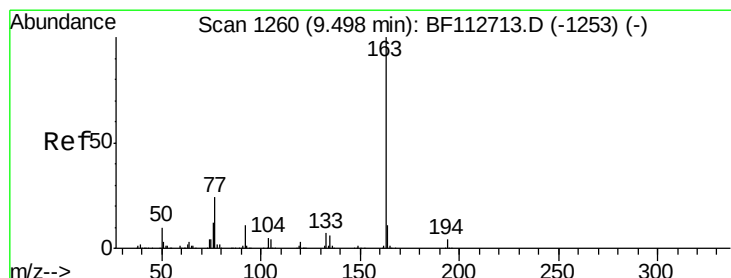
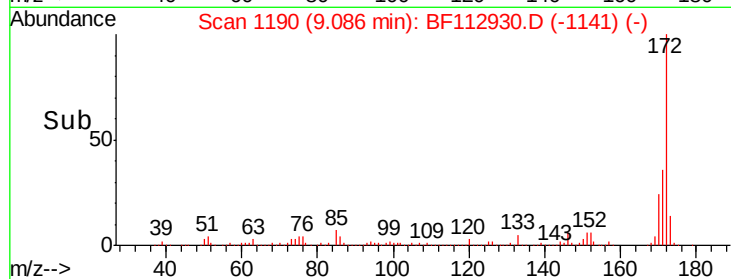
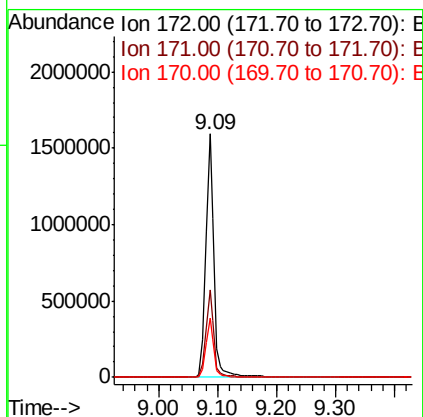
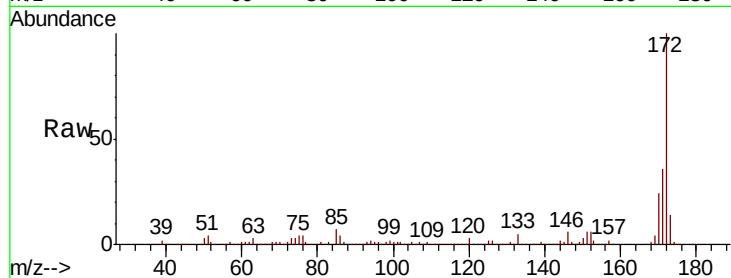




#45
 2-Fluorobiphenyl
 Concen: 61.324 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112930.D
 Acq: 7 Mar 2019 19:17

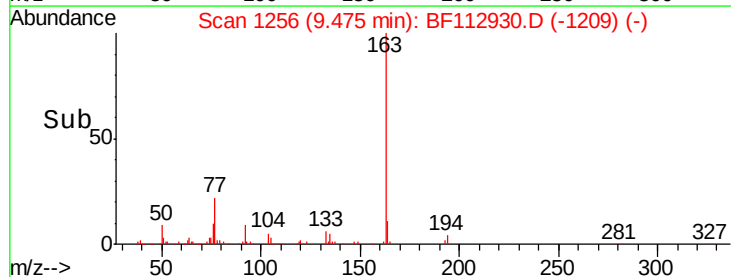
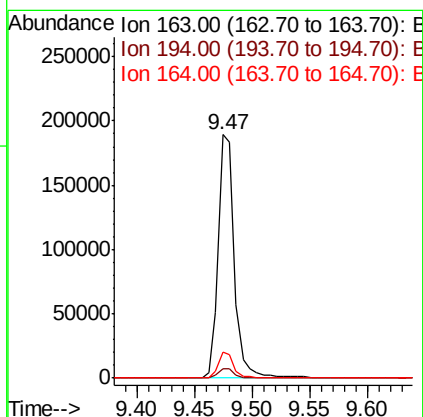
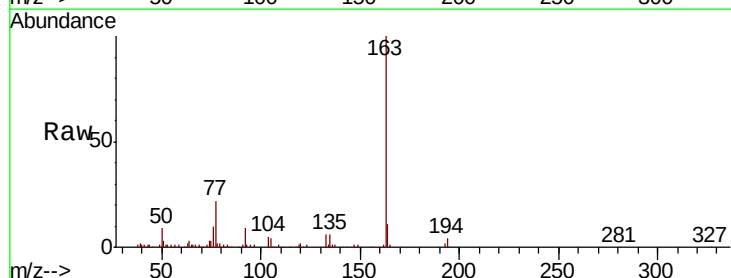
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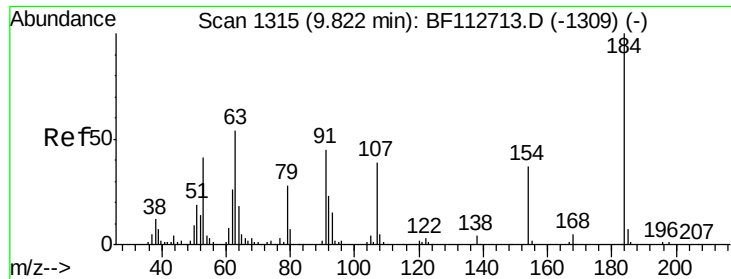
Tgt Ion:172 Resp: 1553869
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.4
 170 24.3 20.0 30.0



#50
 Dimethylphthalate
 Concen: 6.442 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: BF112930.D
 Acq: 7 Mar 2019 19:17

Tgt Ion:163 Resp: 185285
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.0 4.4
 164 10.5 8.4 12.6

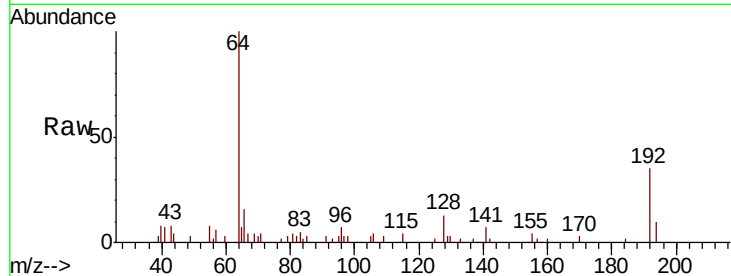




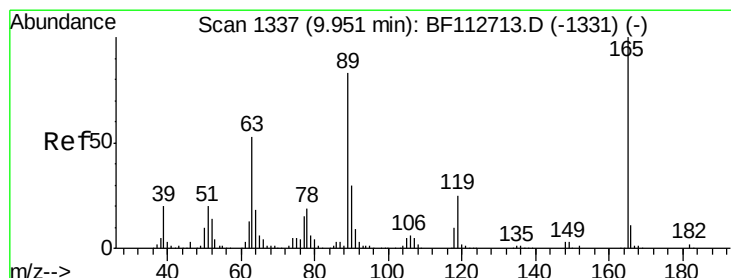
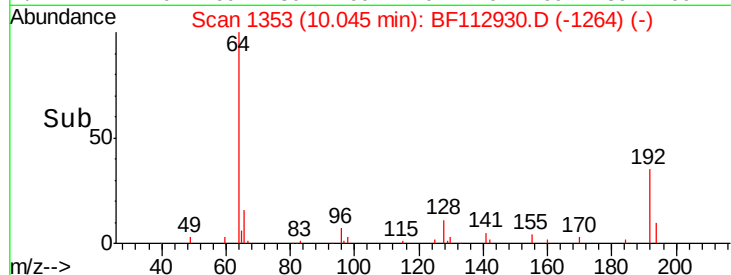
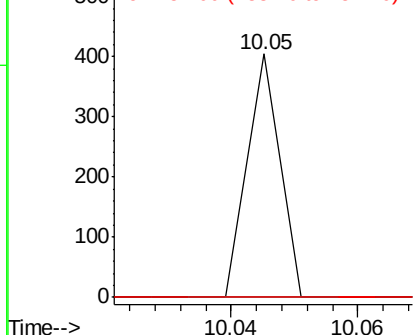
#54
2,4-Dinitrophenol
Concen: 6.507 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.22 min
Lab File: BF112930.D
Acq: 7 Mar 2019 19:17

Instrument :
BNA_F
ClientSampled :
TP-6CD-S

Tgt Ion:184 Resp: 143
Ion Ratio Lower Upper
184 100
63 0.0 45.3 67.9#
154 0.0 46.0 69.0#

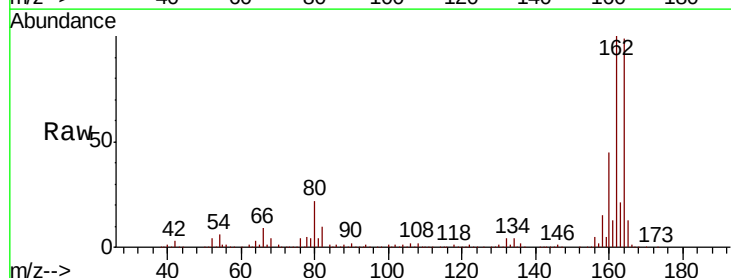


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

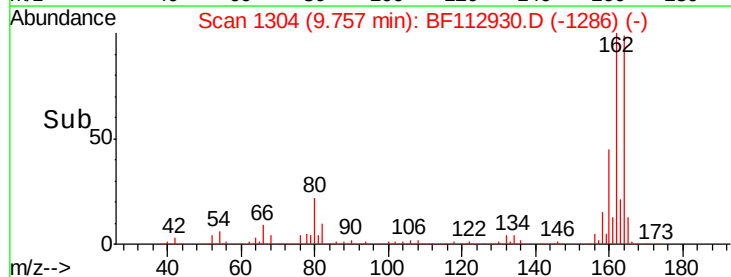
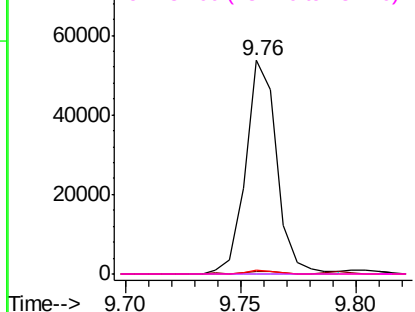


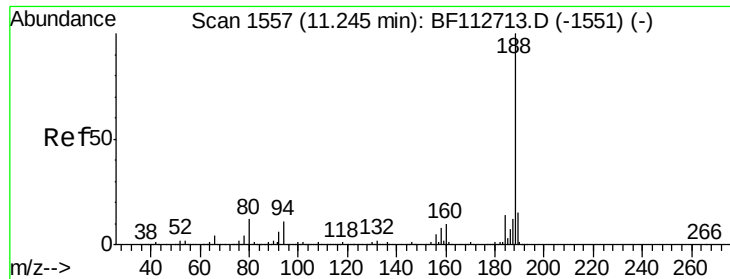
#57
2,4-Dinitrotoluene
Concen: 6.822 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF112930.D
Acq: 7 Mar 2019 19:17

Tgt Ion:165 Resp: 50788
Ion Ratio Lower Upper
165 100
63 1.1 42.2 63.2#
89 1.8 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: BF112930.D

Acq: 7 Mar 2019 19:17

Instrument :

BNA_F

ClientSampled :

TP-6CD-S

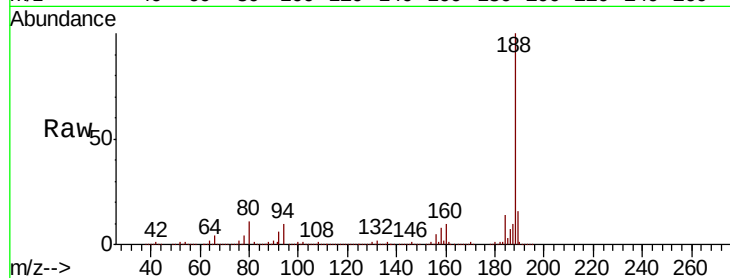
Tgt Ion:188 Resp: 802454

Ion Ratio Lower Upper

188 100

94 10.2 9.0 13.4

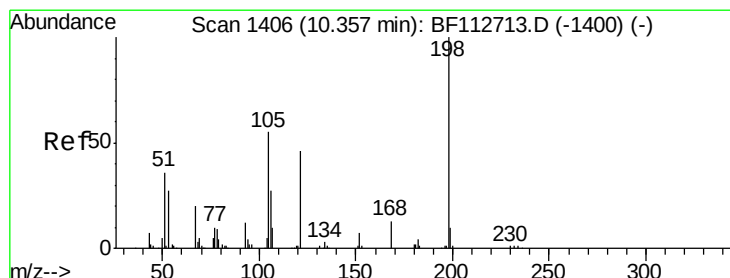
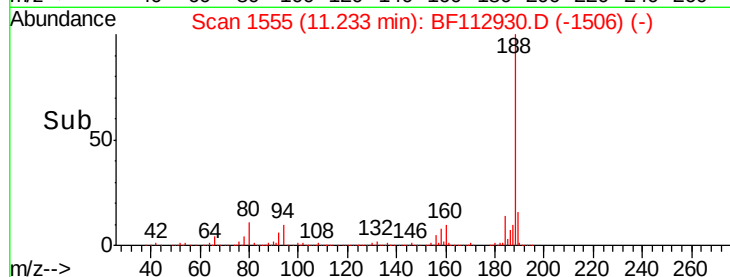
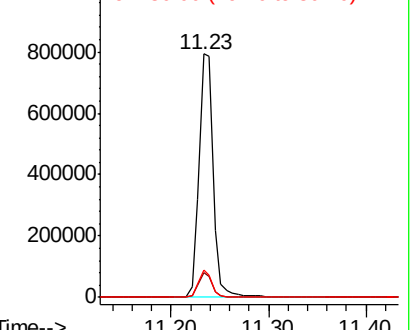
80 11.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.792 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.22 min

Lab File: BF112930.D

Acq: 7 Mar 2019 19:17

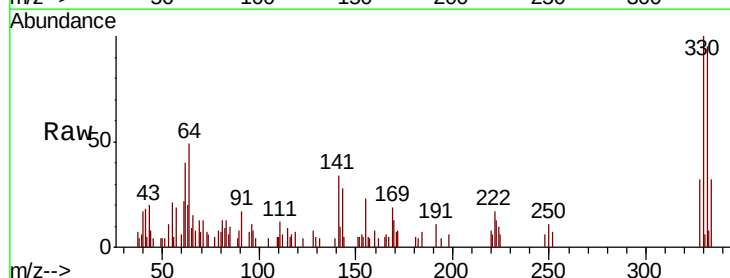
Tgt Ion:198 Resp: 654

Ion Ratio Lower Upper

198 100

51 67.0 43.8 83.8

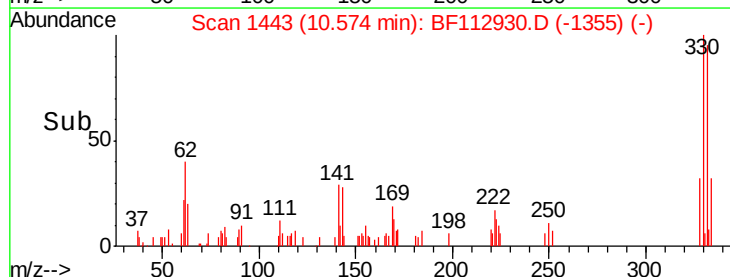
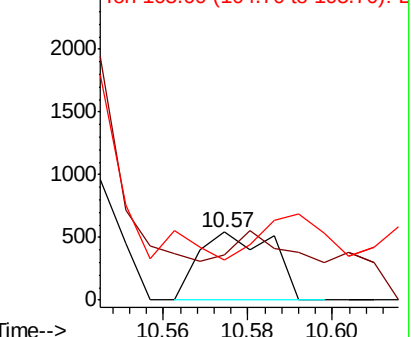
105 58.9 36.5 76.5

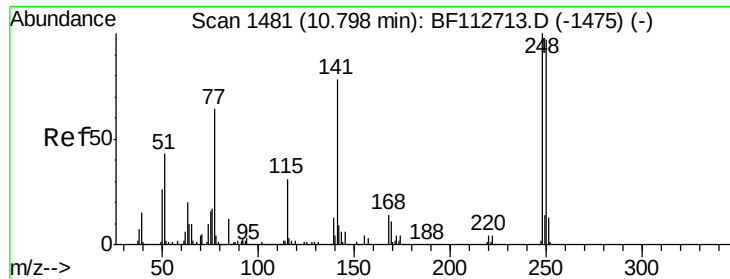


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

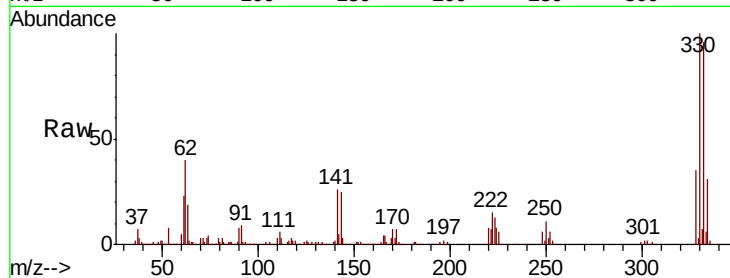




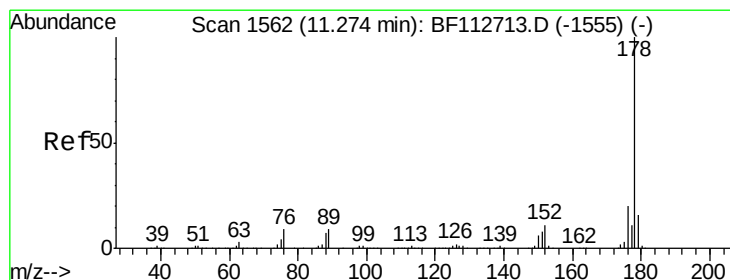
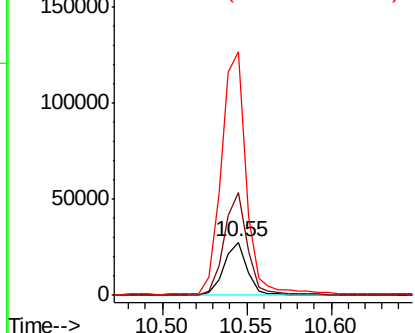
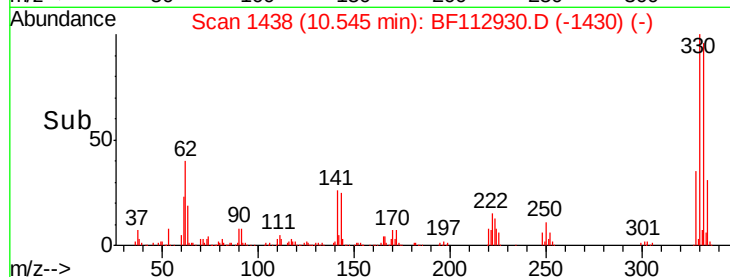
#67
 4-Bromophenyl-phenylether
 Concen: 3.131 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112930.D
 Acq: 7 Mar 2019 19:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-6CD-S

Tgt Ion:248 Resp: 26462
 Ion Ratio Lower Upper
 248 100
 250 193.7 77.5 116.3#
 141 459.9 62.4 93.6#

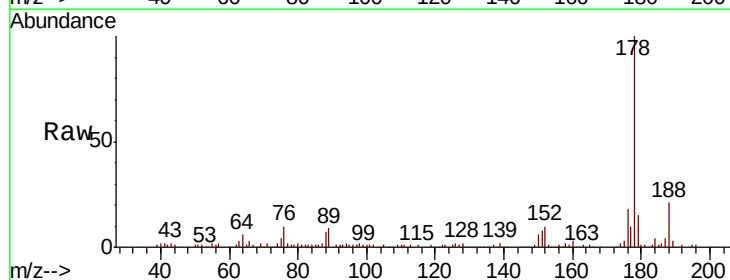


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

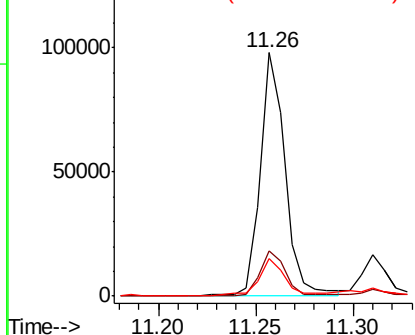
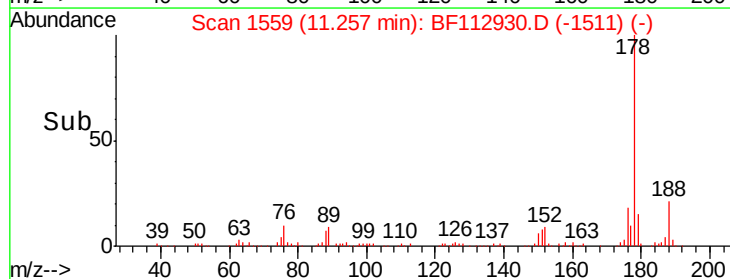


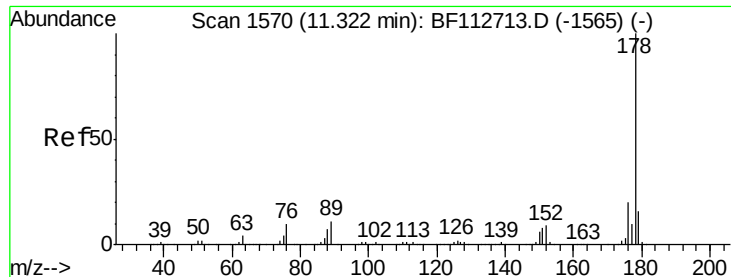
#71
 Phenanthrene
 Concen: 2.174 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF112930.D
 Acq: 7 Mar 2019 19:17

Tgt Ion:178 Resp: 86783
 Ion Ratio Lower Upper
 178 100
 176 18.4 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

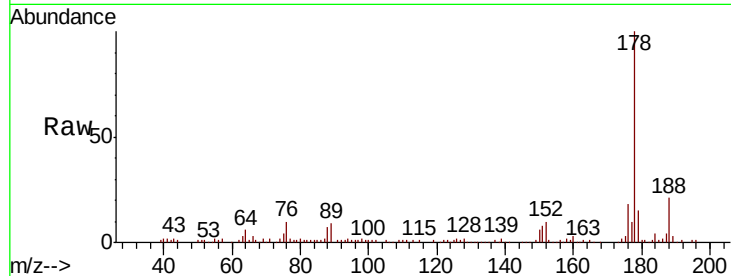




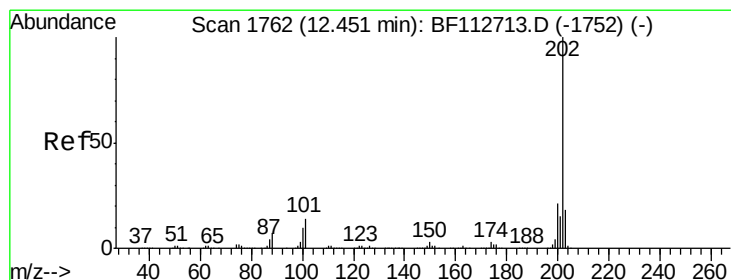
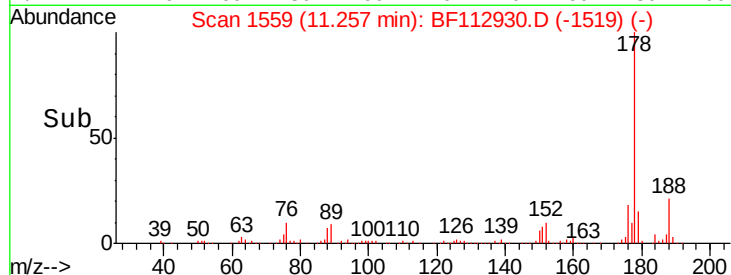
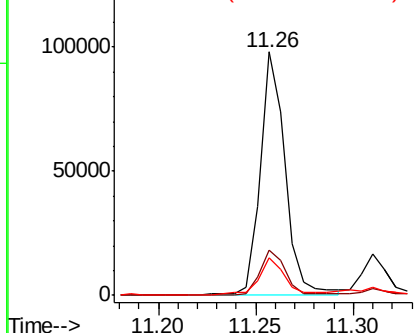
#72
 Anthracene
 Concen: 2.076 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.06 min
 Lab File: BF112930.D
 Acq: 7 Mar 2019 19:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-6CD-S

Tgt Ion:178 Resp: 86783
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.6
 179 15.3 13.0 19.6

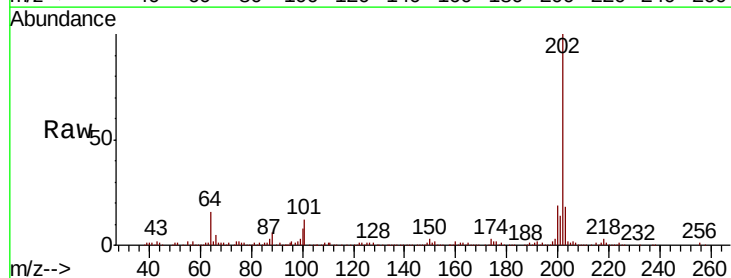


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

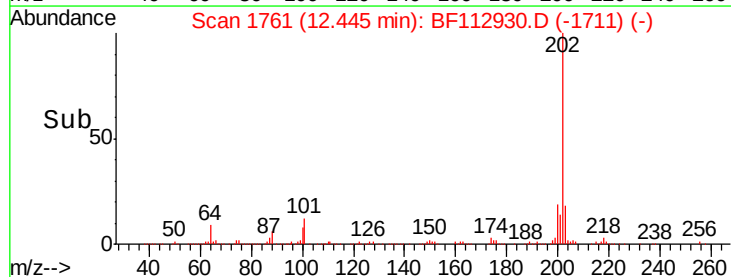
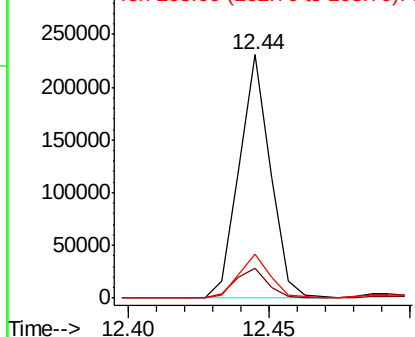


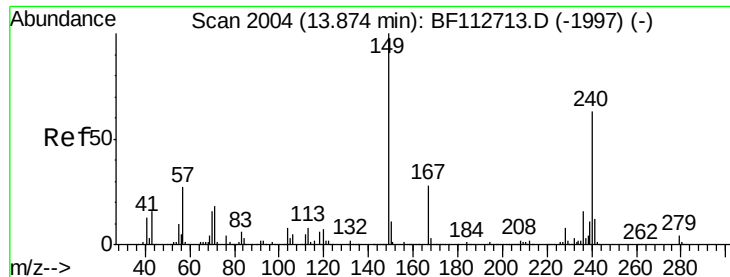
#75
 Fluoranthene
 Concen: 4.136 ng
 RT: 12.44 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF112930.D
 Acq: 7 Mar 2019 19:17

Tgt Ion:202 Resp: 176904
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 33.8
 203 17.9 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: BF112930.D

Acq: 7 Mar 2019 19:17

Instrument :

BNA_F

ClientSampleId :

TP-6CD-S

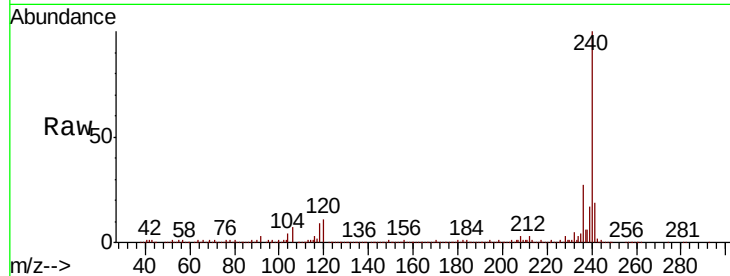
Tgt Ion:240 Resp: 679783

Ion Ratio Lower Upper

240 100

120 10.7 8.9 13.3

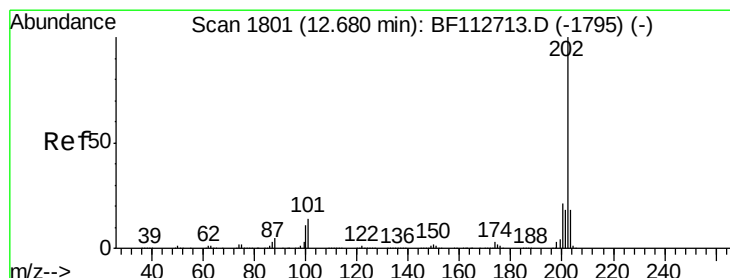
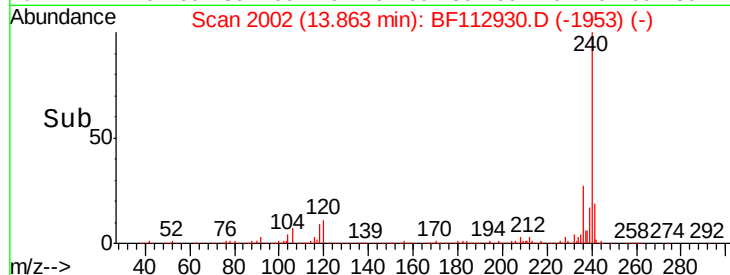
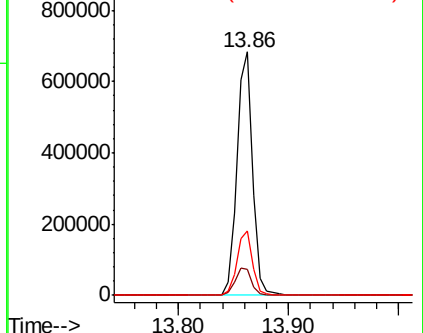
236 26.6 20.7 31.1



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: 2.434 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF112930.D

Acq: 7 Mar 2019 19:17

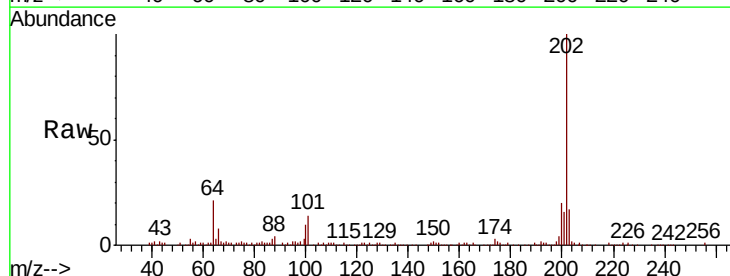
Tgt Ion:202 Resp: 139459

Ion Ratio Lower Upper

202 100

200 19.7 17.0 25.4

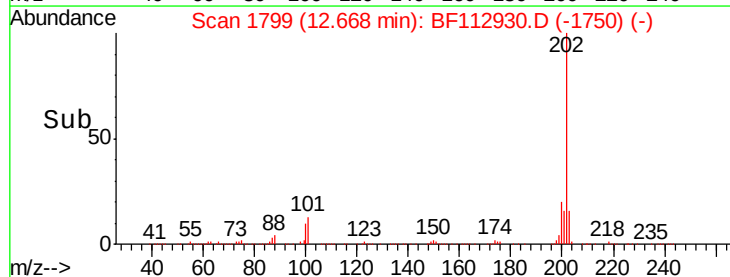
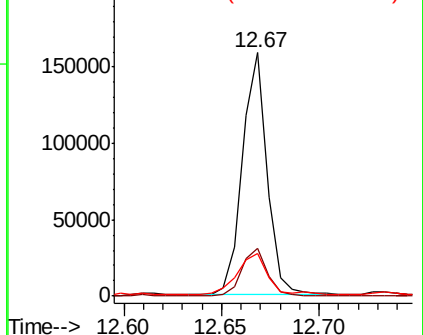
203 17.5 14.4 21.6

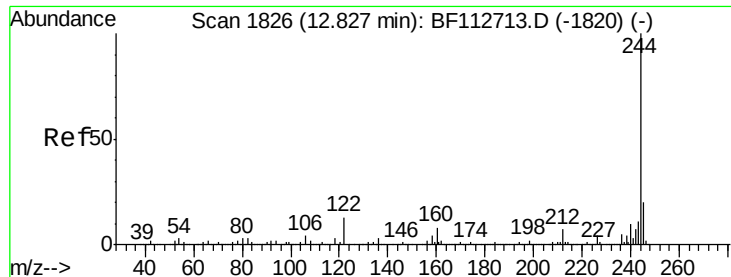


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 48.833 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112930.D

Acq: 7 Mar 2019 19:17

Instrument :

BNA_F

ClientSampleId :

TP-6CD-S

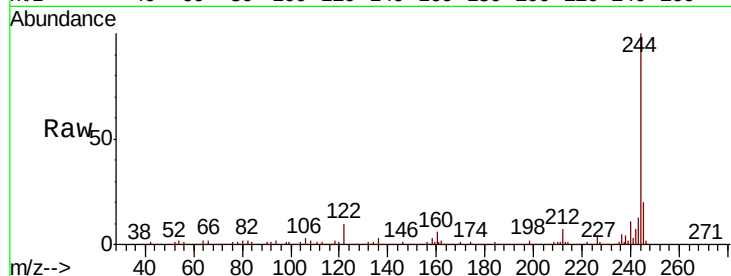
Tgt Ion:244 Resp: 1712457

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

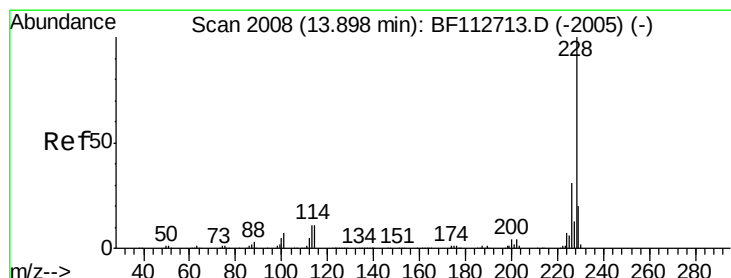
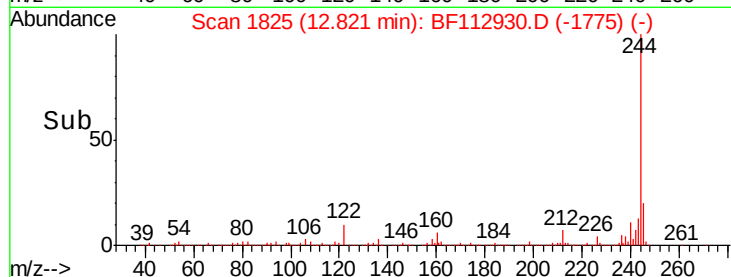
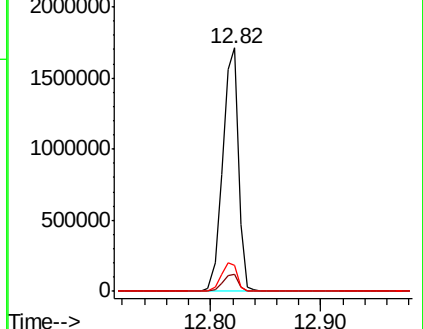
122 10.4 10.5 15.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#83

Chrysene

Concen: 2.212 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF112930.D

Acq: 7 Mar 2019 19:17

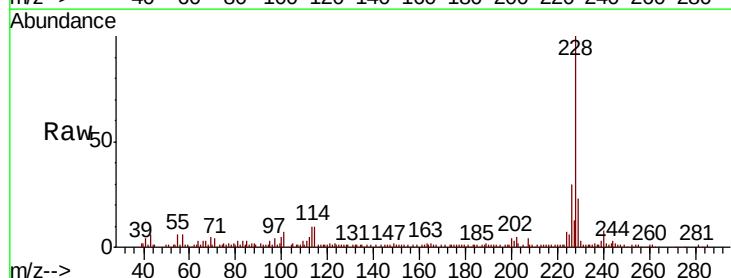
Tgt Ion:228 Resp: 102066

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

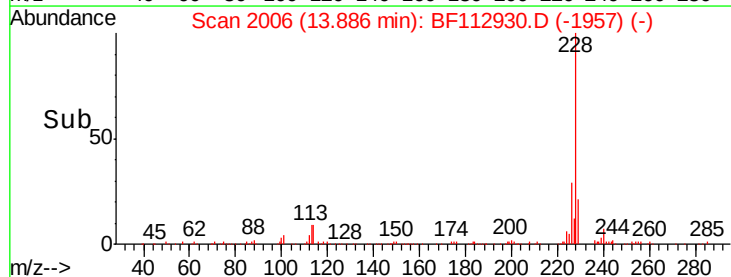
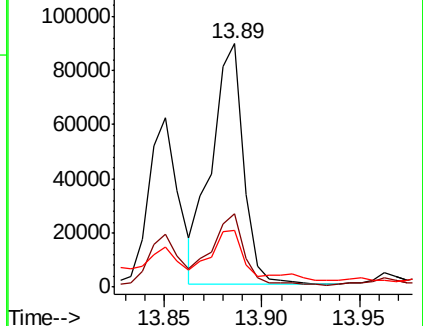
229 23.2 16.3 24.5

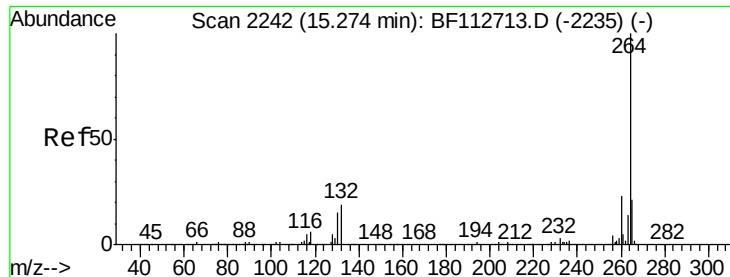


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



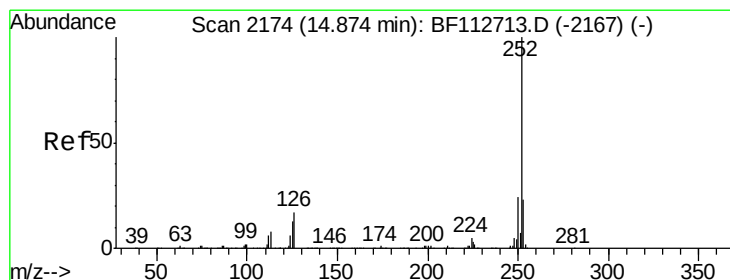
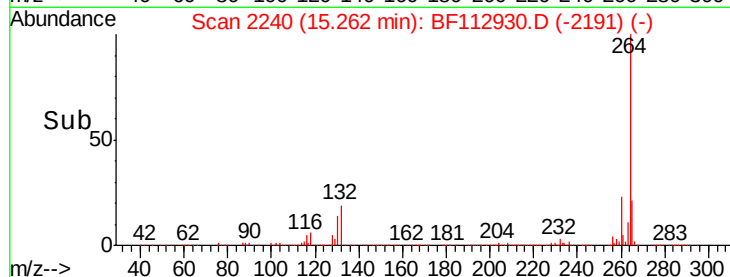
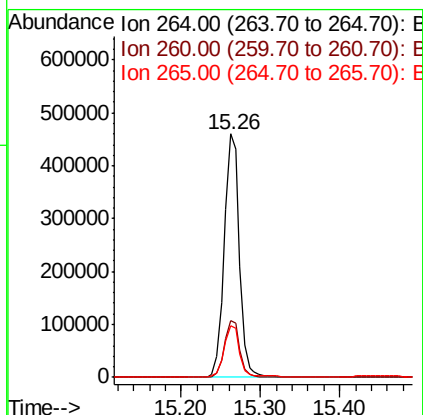
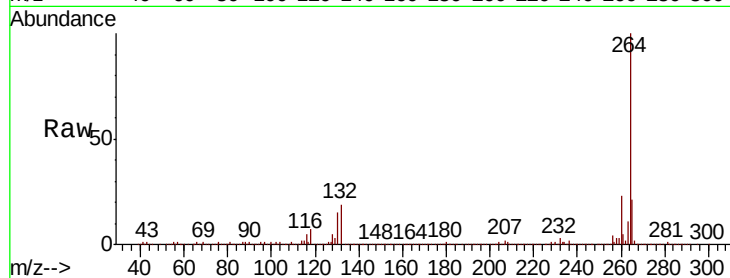


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112930.D
Acq: 7 Mar 2019 19:17

Instrument :
BNA_F
ClientSampleId :
TP-6CD-S

Tgt Ion:264 Resp: 609788

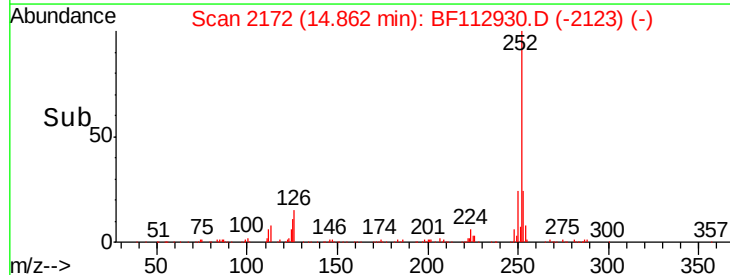
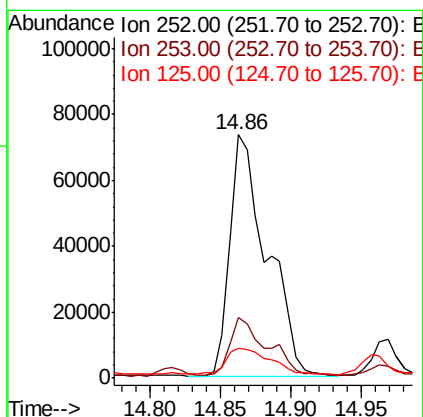
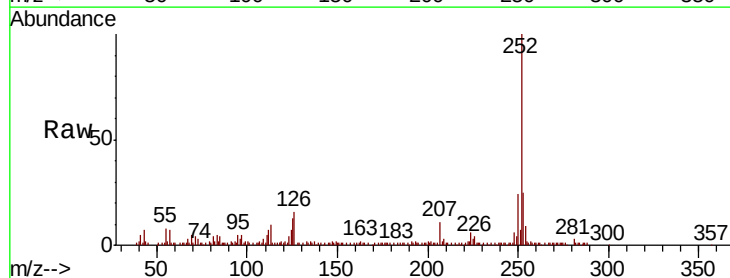
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.4	17.2	25.8

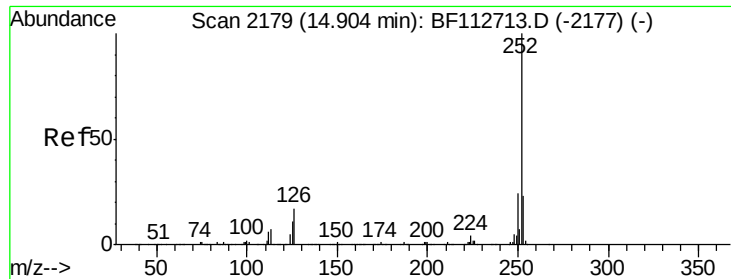


#88
Benzo(b)fluoranthene
Concen: 3.437 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF112930.D
Acq: 7 Mar 2019 19:17

Tgt Ion:252 Resp: 135575

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.0	27.0
125	12.5	10.2	15.2





#89

Benzo(k)fluoranthene

Concen: 3.795 ng

RT: 14.86 min Scan# 2172

Delta R.T. -0.04 min

Lab File: BF112930.D

Acq: 7 Mar 2019 19:17

Instrument :

BNA_F

ClientSampleId :

TP-6CD-S

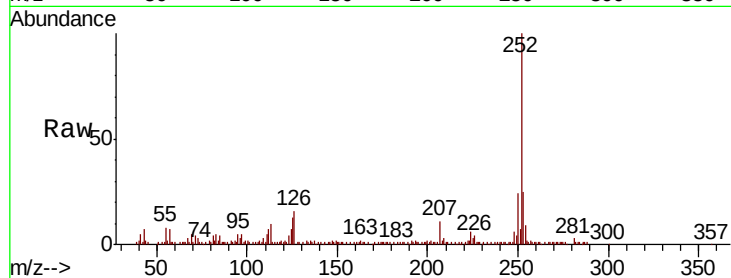
Tgt Ion:252 Resp: 135575

Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.2

125 12.5 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

