

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112860.D
 Acq On : 5 Mar 2019 18:53
 Operator : JU/SJ
 Sample : K1715-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-A

Quant Time: Mar 06 01:44:48 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	6.74	152	156046	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	608204	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	301585	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	633193	20.00	ng	0.00
76) Chrysene-d12	13.87	240	449896	20.00	ng	0.00
87) Perylene-d12	15.28	264	434786	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1060831	105.75	ng	0.00
7) Phenol-d6	6.37	99	1413913	112.20	ng	0.00
23) Nitrobenzene-d5	7.30	82	868243	85.42	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	468274	146.26	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1498965	81.44	ng	0.00
79) Terphenyl-d14	12.83	244	1615594	69.61	ng	0.00

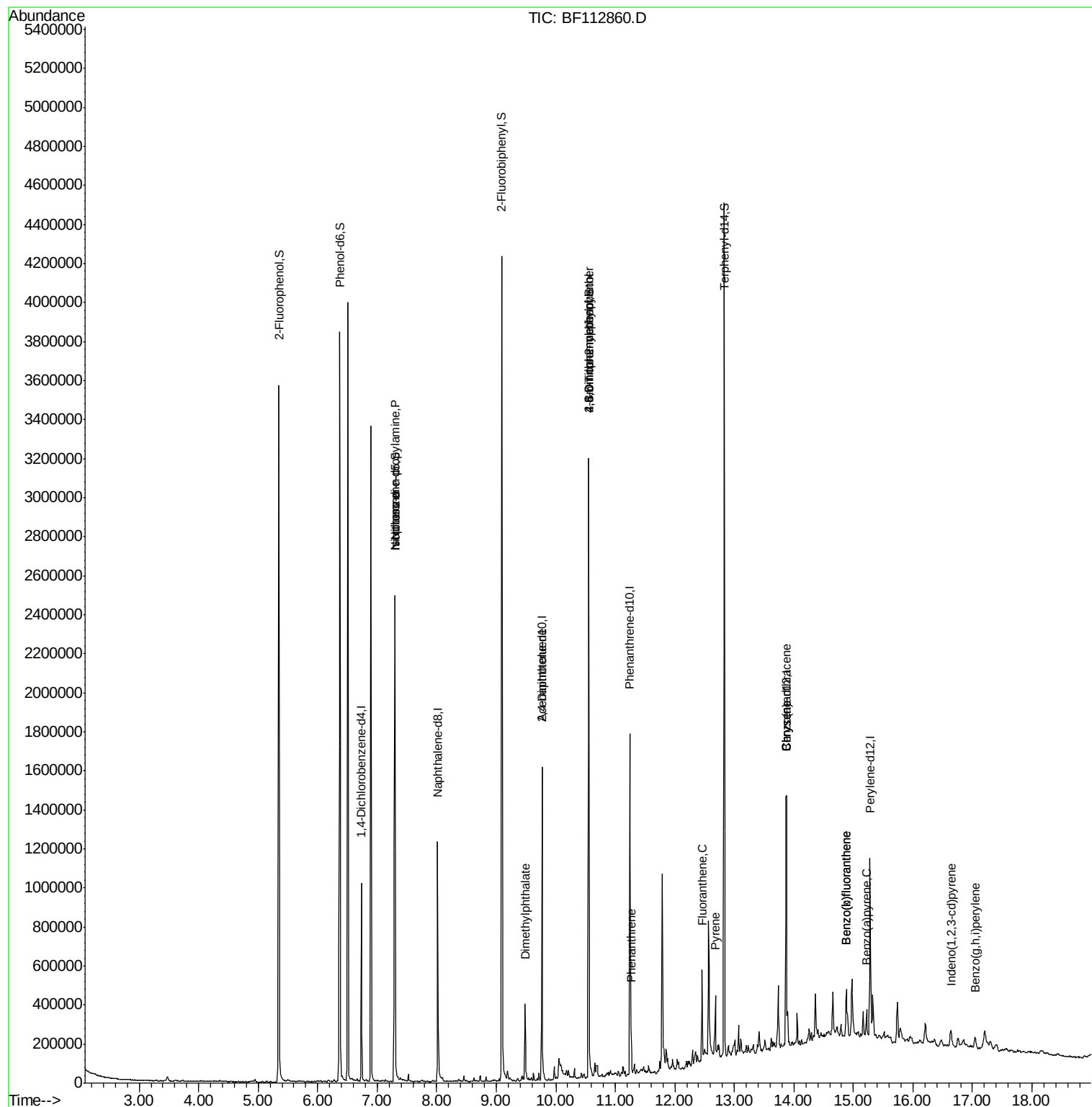
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	114045	14.290	ng	# 78
25) Isophorone	7.30	82	862715	39.398	ng	# 66
50) Dimethylphthalate	9.49	163	157354	7.076	ng	99
57) 2,4-Dinitrotoluene	9.77	165	39439	6.852	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	781	4.884	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	26894	4.032	ng	# 1
71) Phenanthrene	11.27	178	74978	2.380	ng	95
75) Fluoranthene	12.46	202	158668	4.701	ng	96
78) Pyrene	12.68	202	137710	3.631	ng	97
81) Benzo(a)anthracene	13.86	228	69624	2.233	ng	93
83) Chrysene	13.86	228	69624	2.280	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	52104	2.001	ng	# 91
88) Benzo(b)fluoranthene	14.88	252	162589	5.781	ng	99
89) Benzo(k)fluoranthene	14.88	252	162589	6.383	ng	99
90) Benzo(a)pyrene	15.22	252	64305	2.585	ng	96
92) Benzo(g,h,i)perylene	17.04	276	44825	2.103	ng	# 95

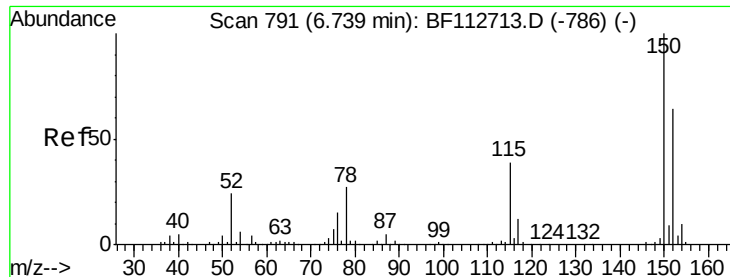
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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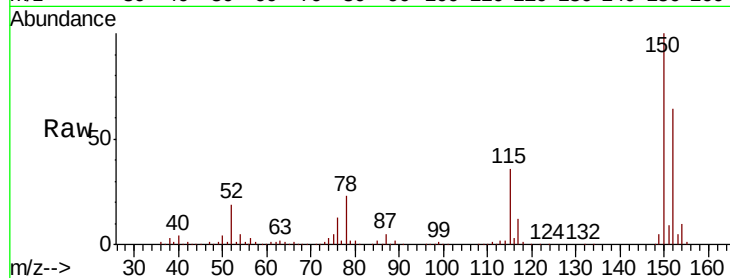


#1

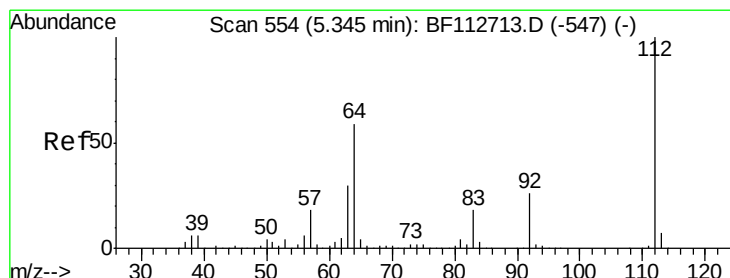
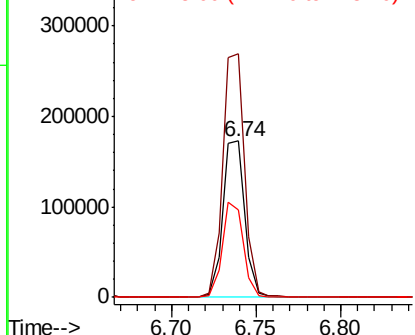
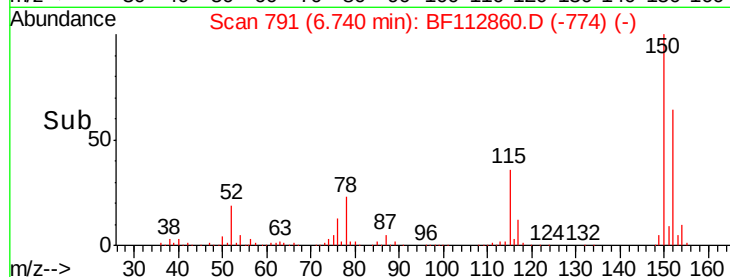
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112860.D
Acq: 5 Mar 2019 18:53

Instrument :
BNA_F
ClientSampleId :
TP-5-A

Tgt Ion:152 Resp: 156046
Ion Ratio Lower Upper
152 100
150 156.0 124.2 186.2
115 56.0 48.2 72.4



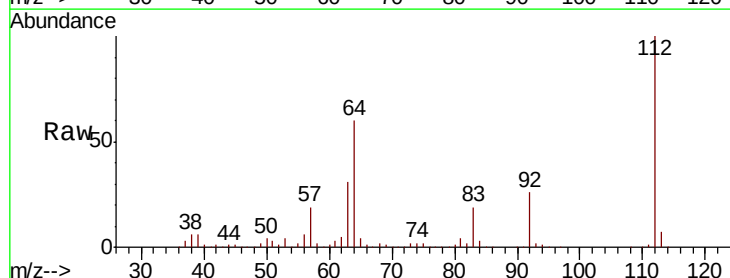
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



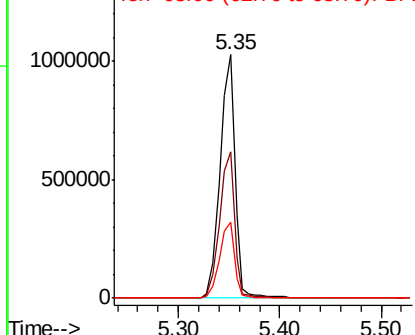
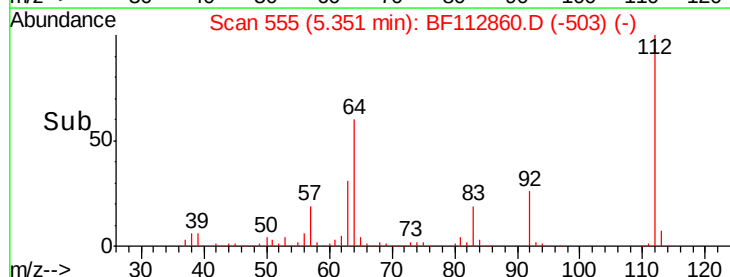
#5

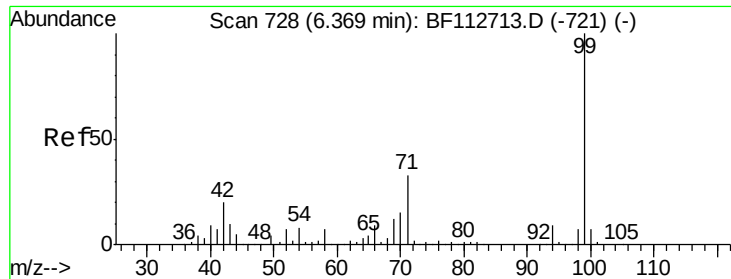
2-Fluorophenol
Concen: 105.749 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112860.D
Acq: 5 Mar 2019 18:53

Tgt Ion:112 Resp: 1060831
Ion Ratio Lower Upper
112 100
64 59.9 47.6 71.4
63 31.2 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: 112.203 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

Instrument :

BNA_F

ClientSampleId :

TP-5-A

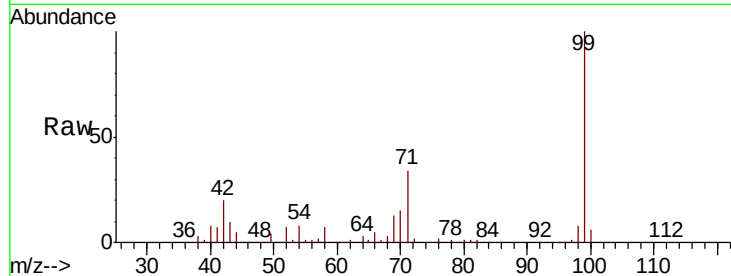
Tgt Ion: 99 Resp: 1413913

Ion Ratio Lower Upper

99 100

42 19.8 16.3 24.5

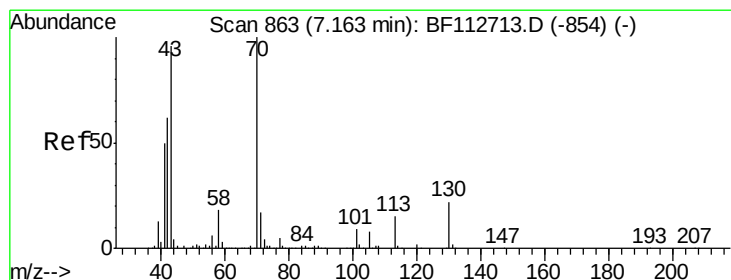
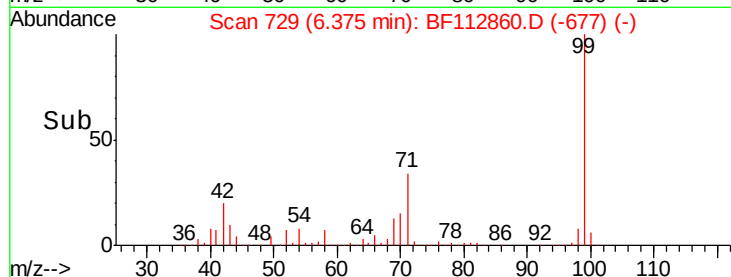
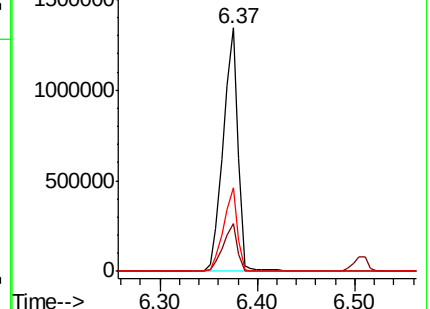
71 34.2 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.290 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

Tgt Ion: 70 Resp: 114045

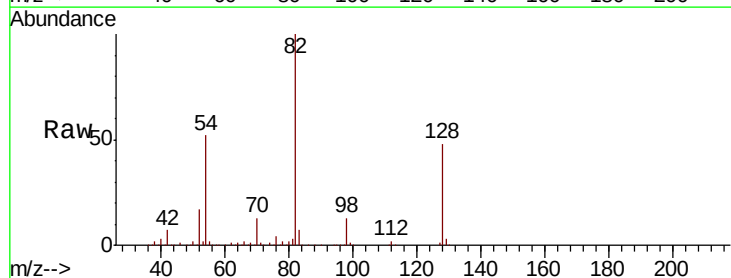
Ion Ratio Lower Upper

70 100

42 50.4 49.9 74.9

101 0.0 7.4 11.2#

130 2.5 17.4 26.2#

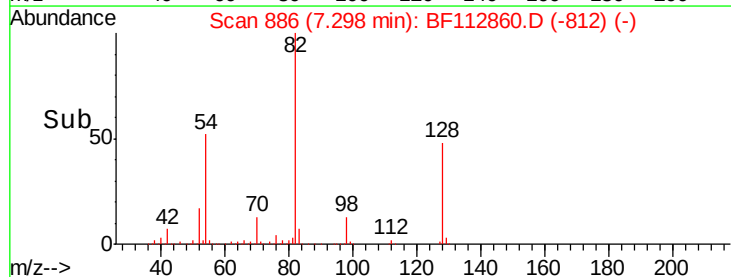
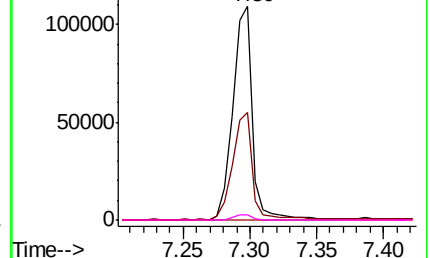


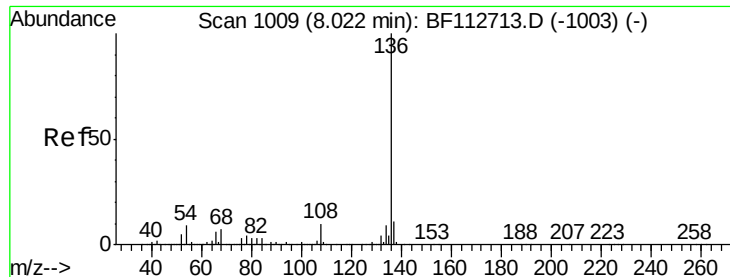
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

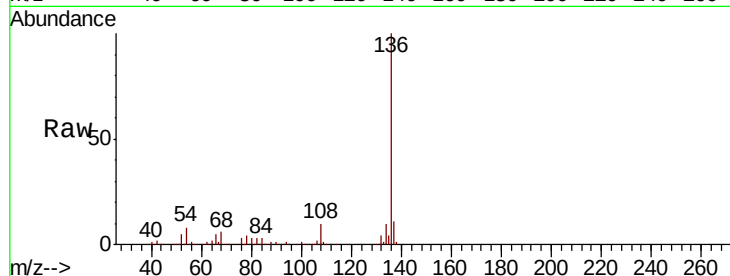




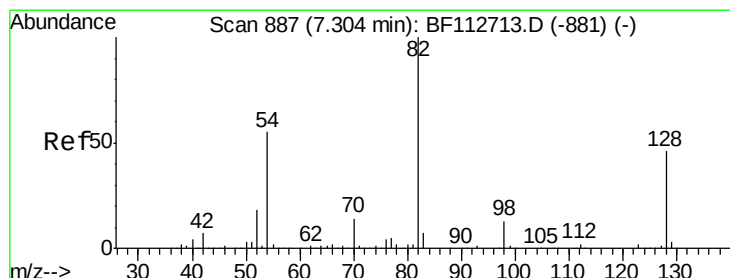
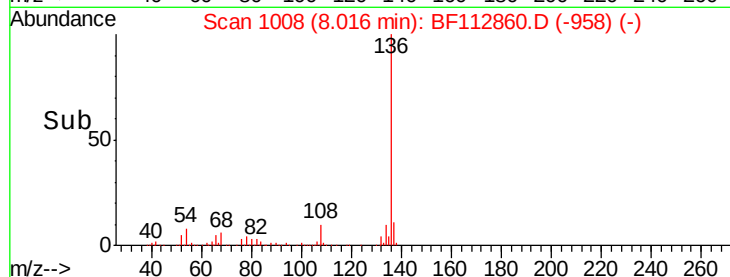
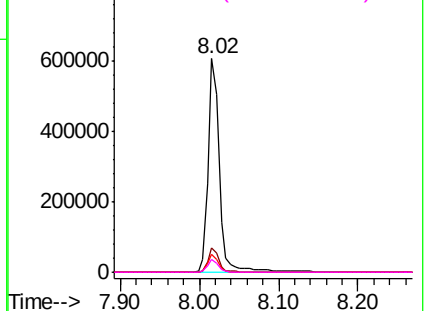
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF112860.D
Acq: 5 Mar 2019 18:53

Instrument :
BNA_F
ClientSampleId :
TP-5-A

Tgt Ion:	136	Resp:	608204
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.4	7.3	10.9
68	6.0	5.4	8.2

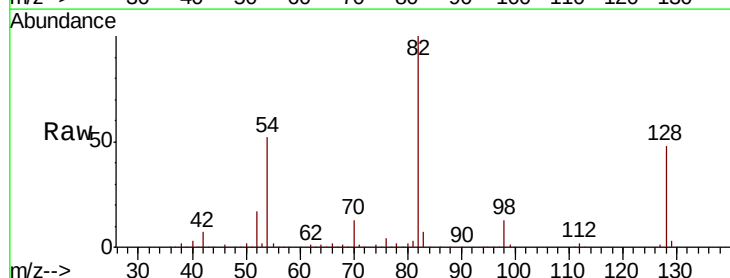


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

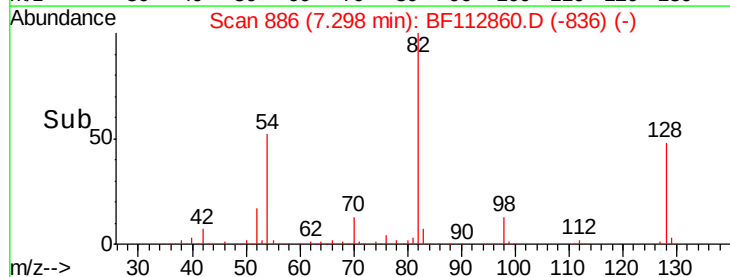
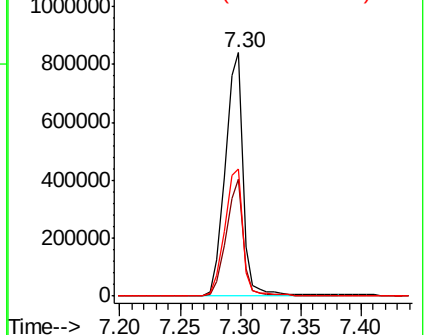


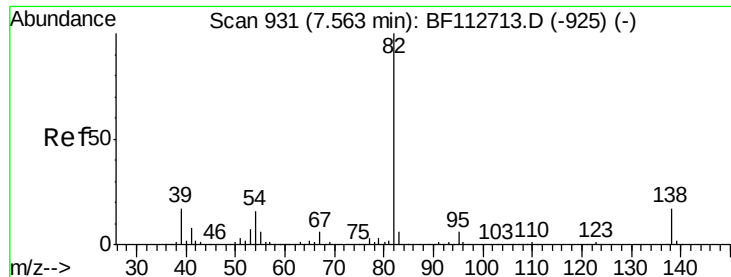
#23
Nitrobenzene-d5
Concen: 85.422 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112860.D
Acq: 5 Mar 2019 18:53

Tgt Ion:	82	Resp:	868243
Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.3	54.5
54	52.4	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: 39.398 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

Instrument :

BNA_F

ClientSampleId :

TP-5-A

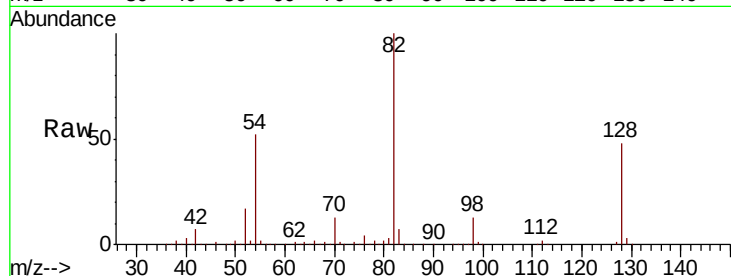
Tgt Ion: 82 Resp: 862715

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

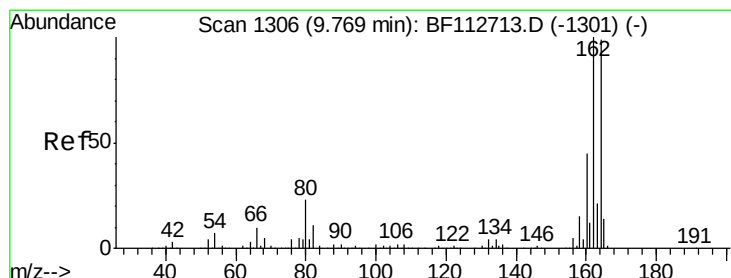
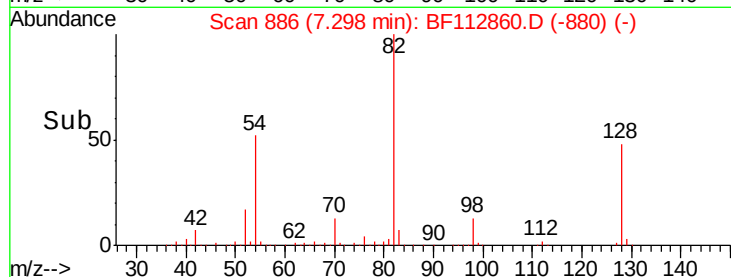
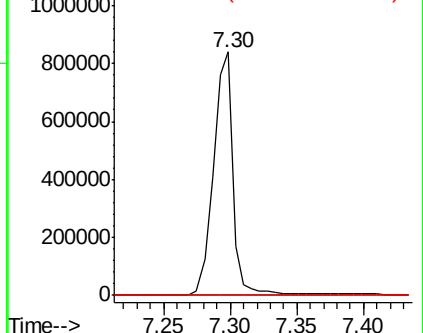
138 0.0 13.8 20.8#



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: 9.77 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

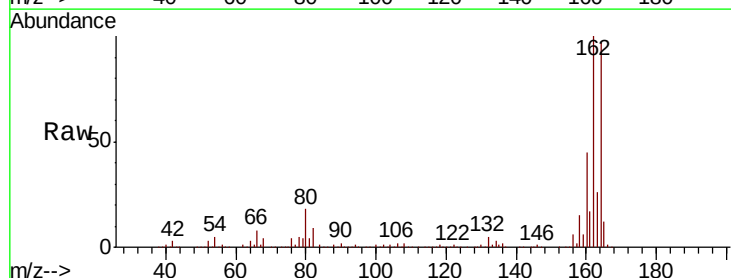
Tgt Ion: 164 Resp: 301585

Ion Ratio Lower Upper

164 100

162 102.7 80.6 120.8

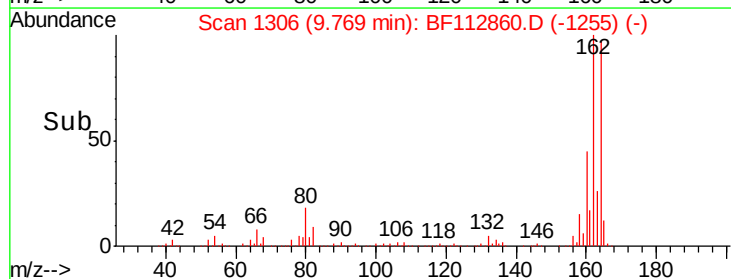
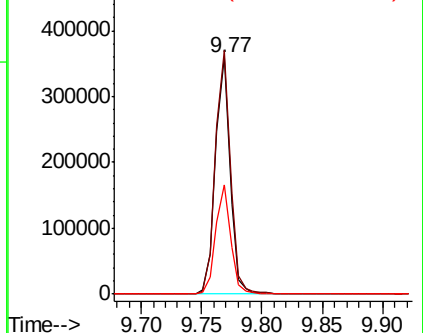
160 46.2 36.0 54.0

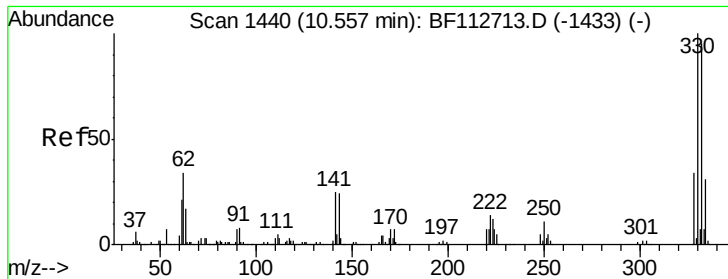


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

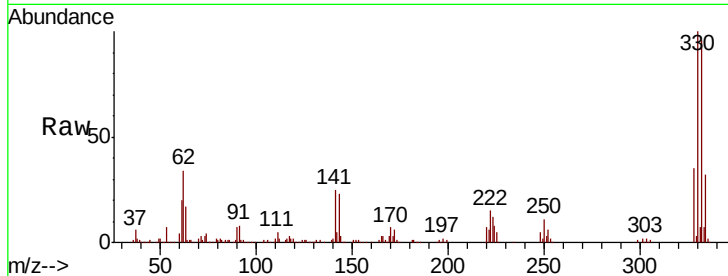




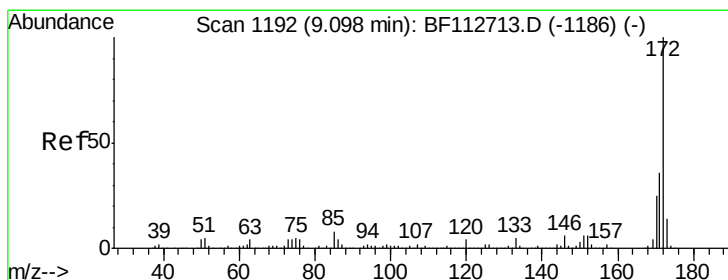
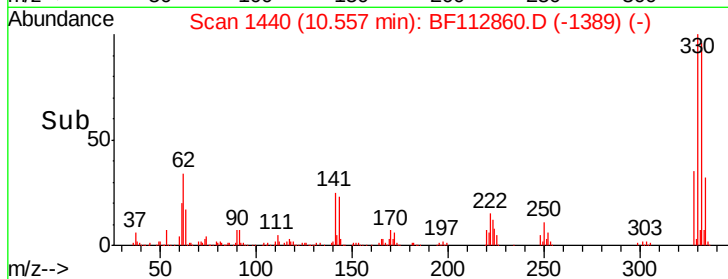
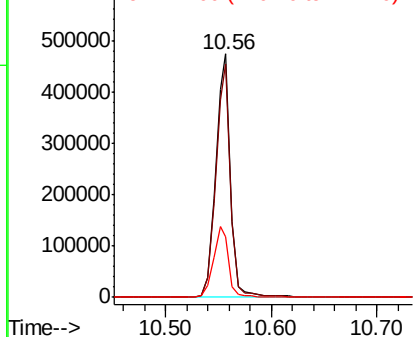
#42
 2,4,6-Tribromophenol
 Concen: 146.258 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112860.D
 Acq: 5 Mar 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-A

Tgt Ion:330 Resp: 468274
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.2 114.4
 141 30.3 27.0 40.6

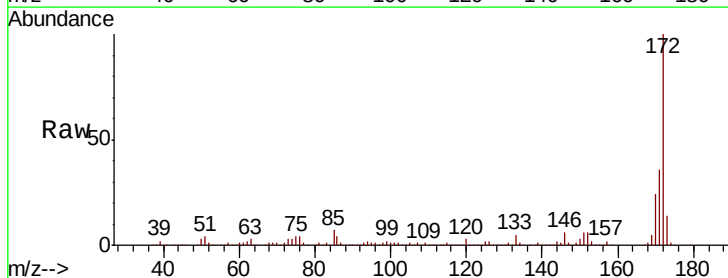


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

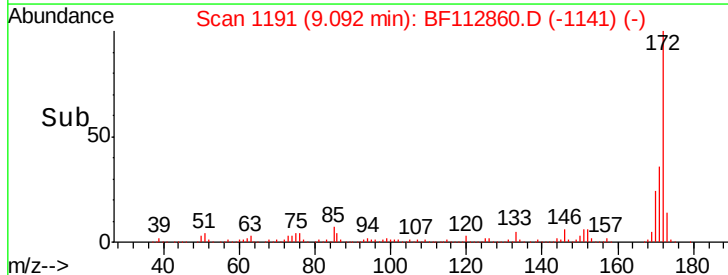
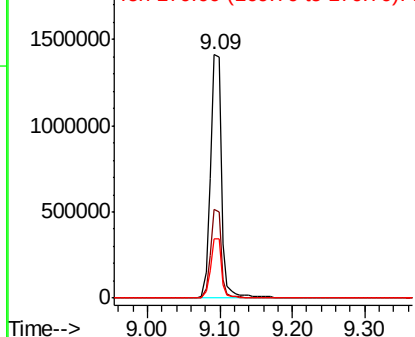


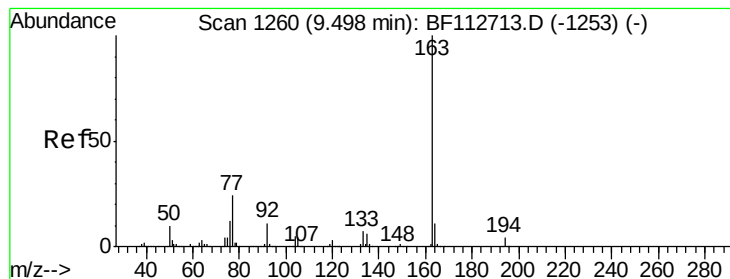
#45
 2-Fluorobiphenyl
 Concen: 81.443 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF112860.D
 Acq: 5 Mar 2019 18:53

Tgt Ion:172 Resp: 1498965
 Ion Ratio Lower Upper
 172 100
 171 36.2 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: 7.076 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

Instrument :

BNA_F

ClientSampleId :

TP-5-A

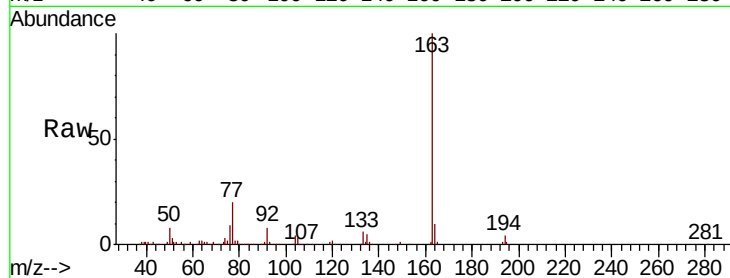
Tgt Ion:163 Resp: 157354

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

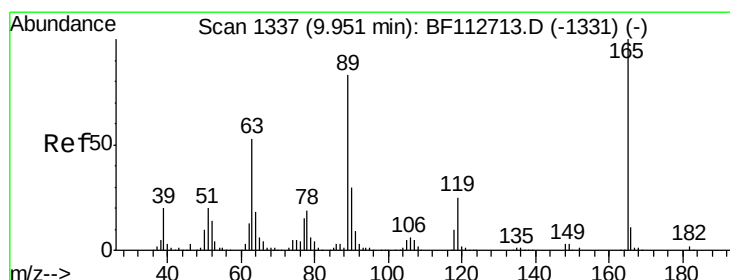
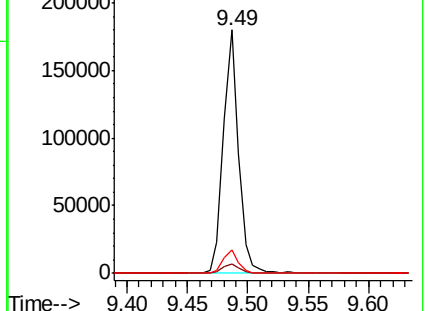
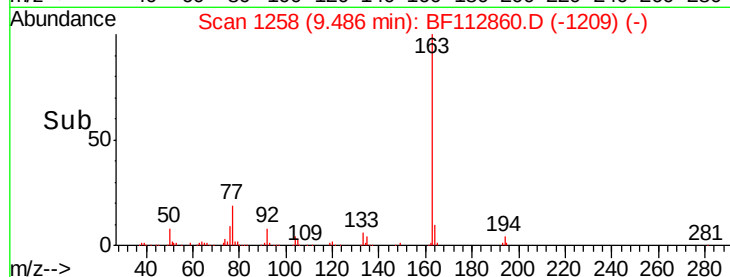
164 9.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.852 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.18 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

Tgt Ion:165 Resp: 39439

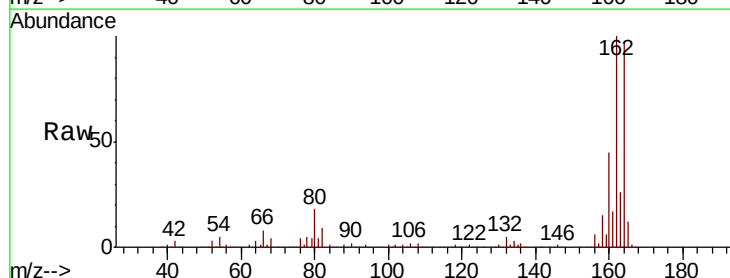
Ion Ratio Lower Upper

165 100

63 1.5 42.2 63.2#

89 1.7 66.2 99.4#

182 0.0 1.8 2.6#

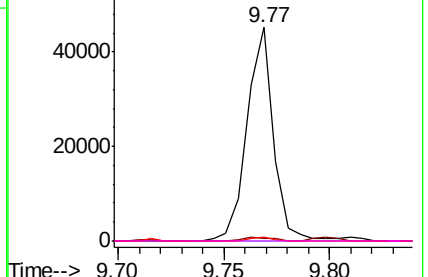
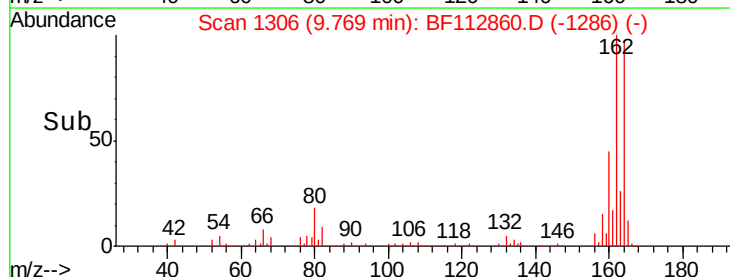


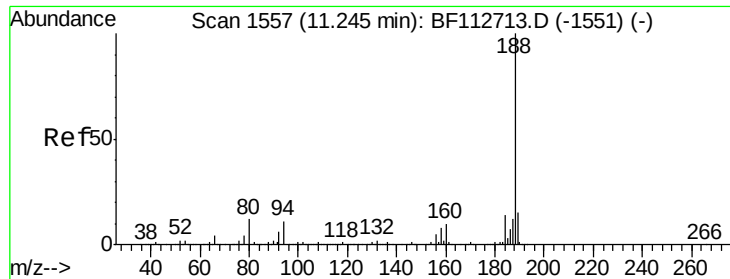
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

Instrument :

BNA_F

ClientSampled :

TP-5-A

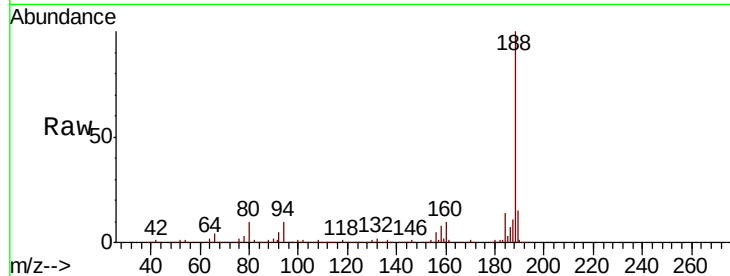
Tgt Ion:188 Resp: 633193

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.4

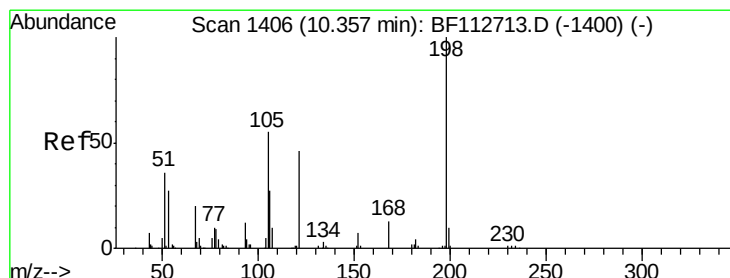
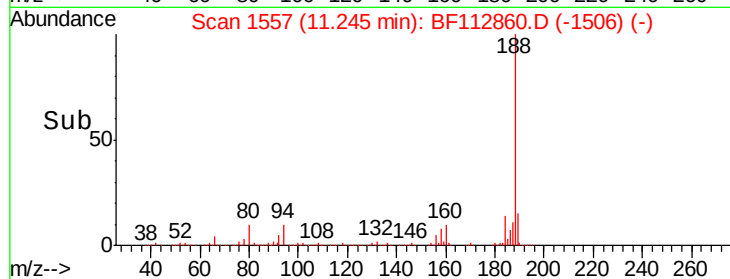
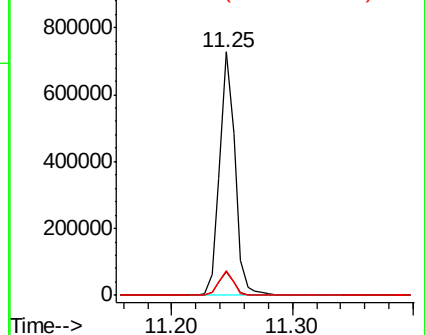
80 10.0 9.2 13.8



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: 4.884 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.20 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

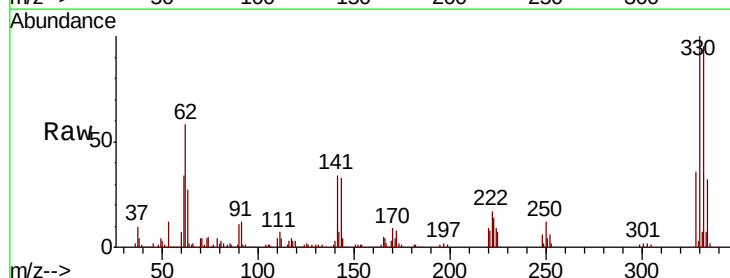
Tgt Ion:198 Resp: 781

Ion Ratio Lower Upper

198 100

51 240.5 43.8 83.8#

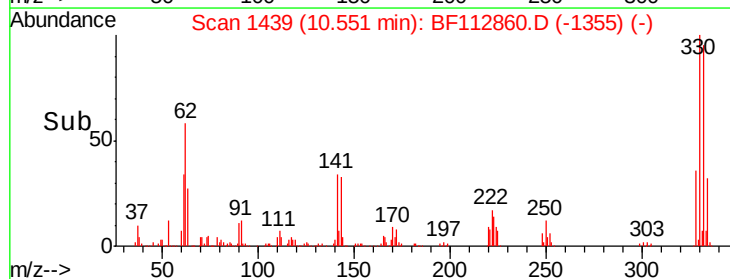
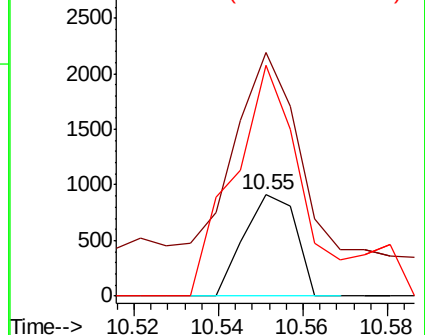
105 228.2 36.5 76.5#

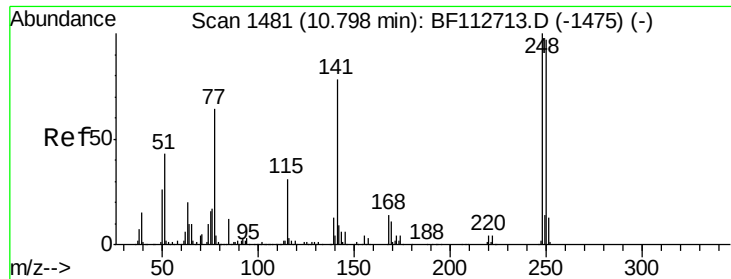


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

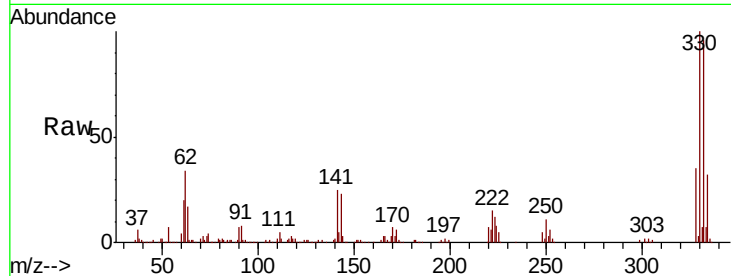




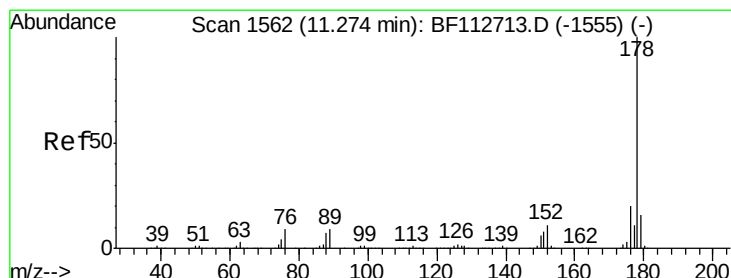
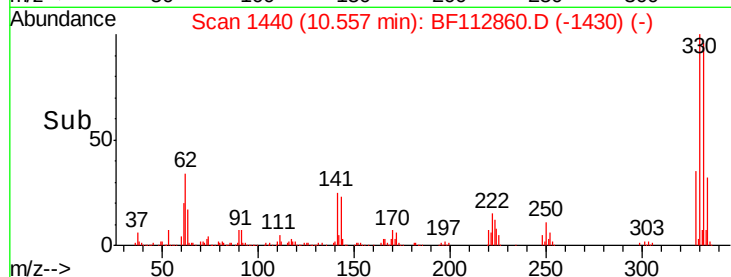
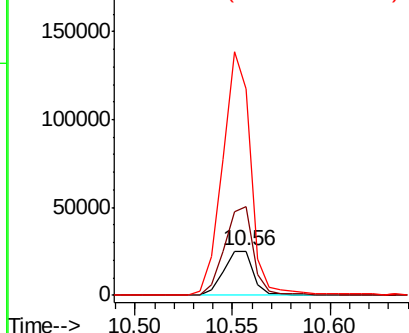
#67
 4-Bromophenyl-phenylether
 Concen: 4.032 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112860.D
 Acq: 5 Mar 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-A

Tgt Ion:248 Resp: 26894
 Ion Ratio Lower Upper
 248 100
 250 199.6 77.5 116.3#
 141 465.2 62.4 93.6#

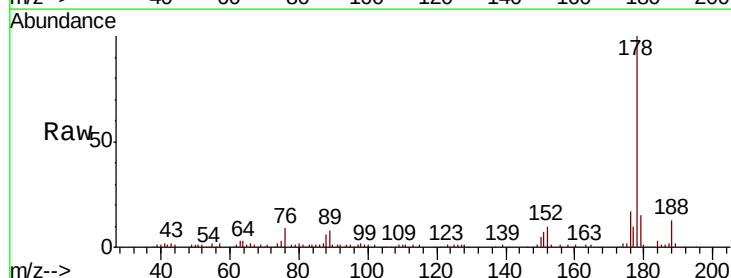


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

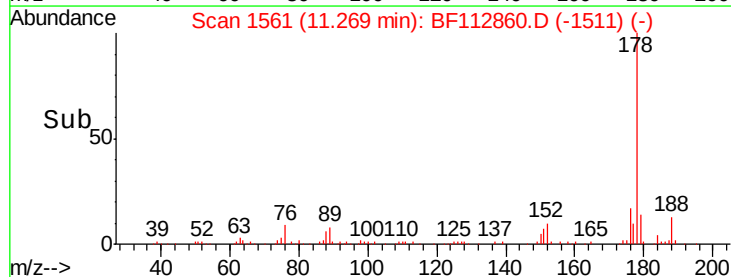
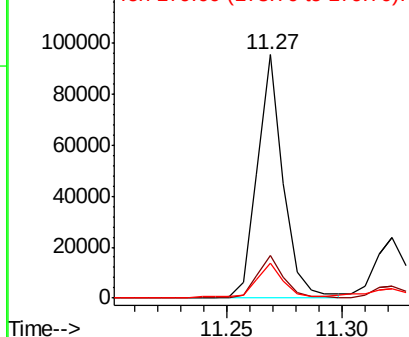


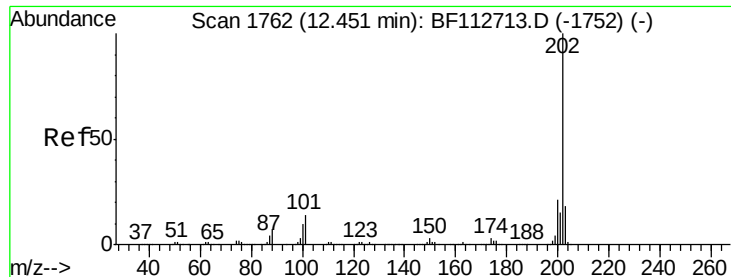
#71
 Phenanthrene
 Concen: 2.380 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF112860.D
 Acq: 5 Mar 2019 18:53

Tgt Ion:178 Resp: 74978
 Ion Ratio Lower Upper
 178 100
 176 17.4 16.3 24.5
 179 14.6 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: 4.701 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

Instrument :

BNA_F

ClientSampled :

TP-5-A

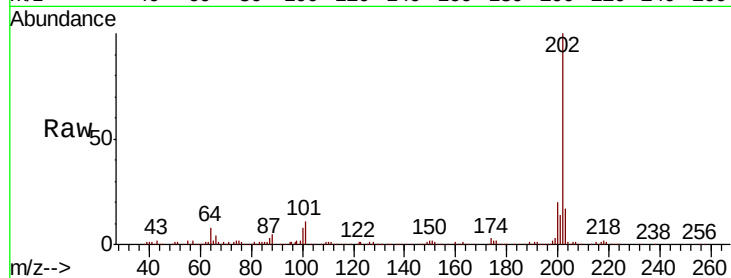
Tgt Ion:202 Resp: 158668

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.8

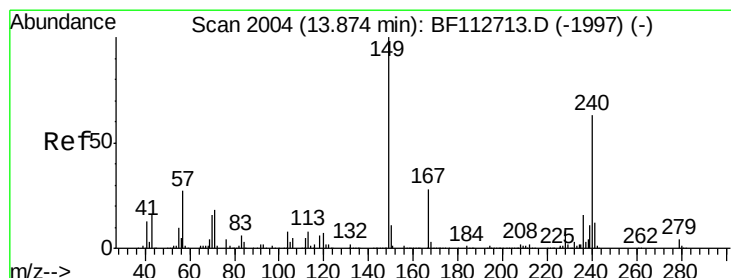
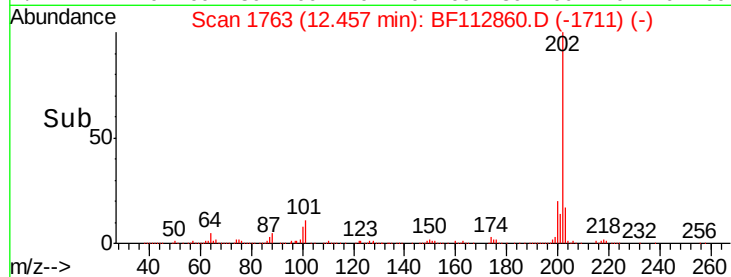
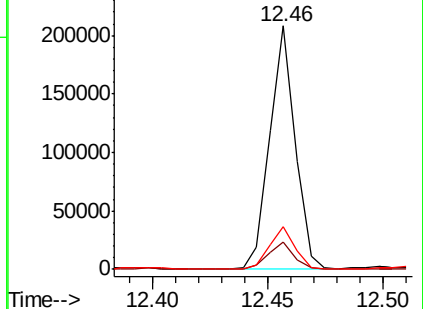
203 17.4 0.0 38.4



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: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

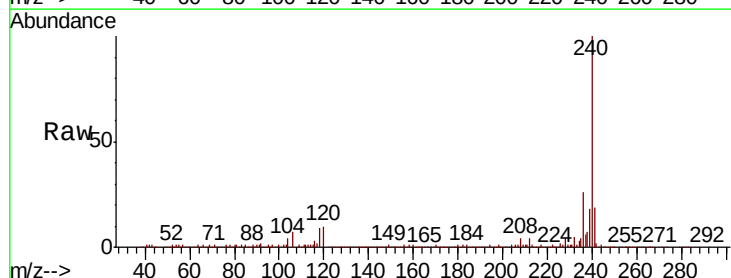
Tgt Ion:240 Resp: 449896

Ion Ratio Lower Upper

240 100

120 10.3 8.9 13.3

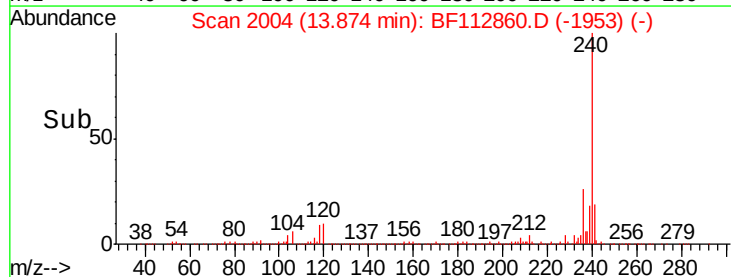
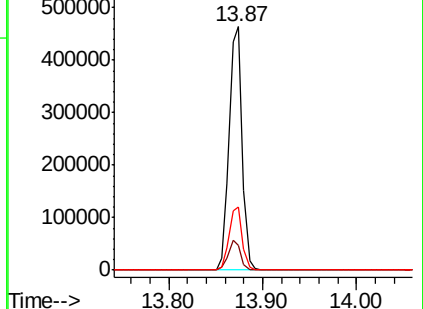
236 26.1 20.7 31.1

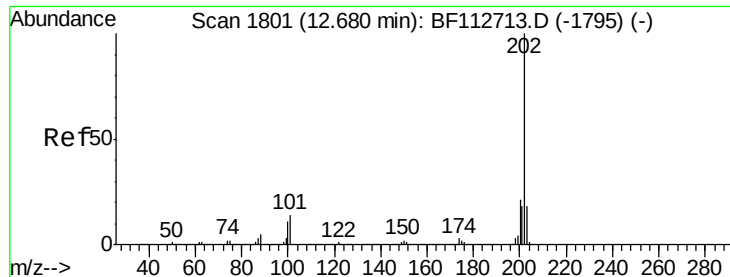


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 3.631 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

Instrument :

BNA_F

ClientSampleId :

TP-5-A

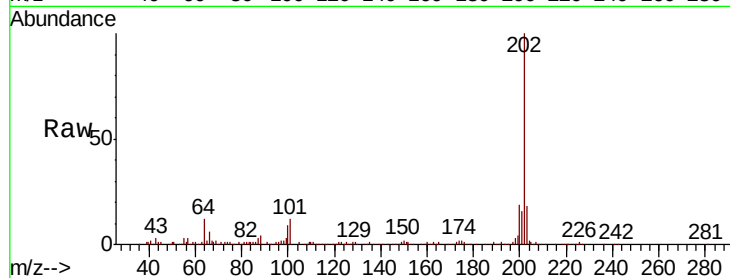
Tgt Ion:202 Resp: 137710

Ion Ratio Lower Upper

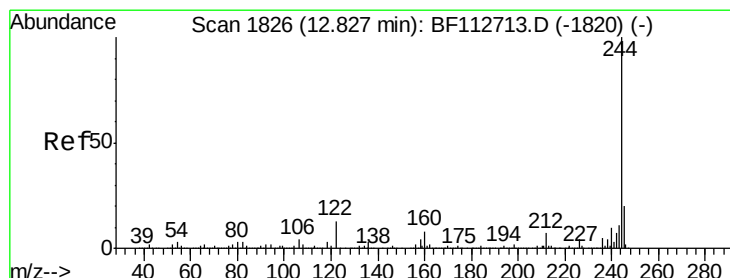
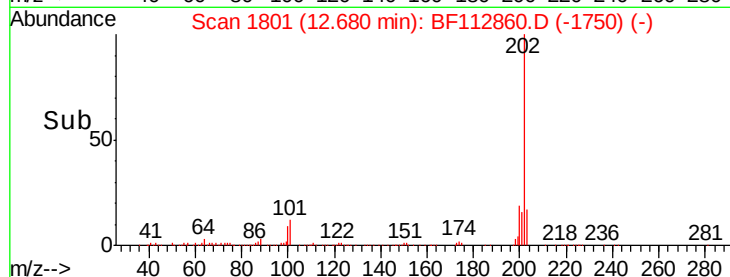
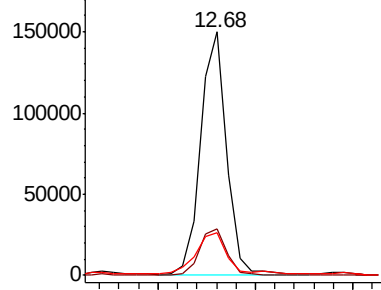
202 100

200 19.3 17.0 25.4

203 17.7 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: 69.612 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

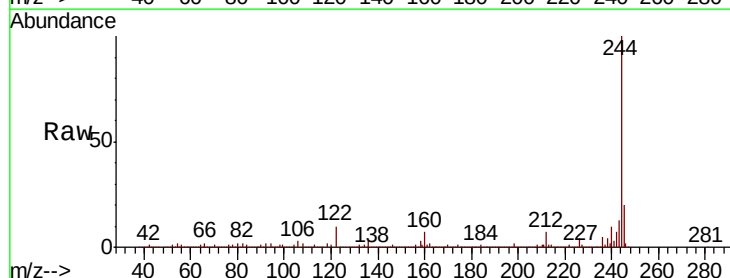
Tgt Ion:244 Resp: 1615594

Ion Ratio Lower Upper

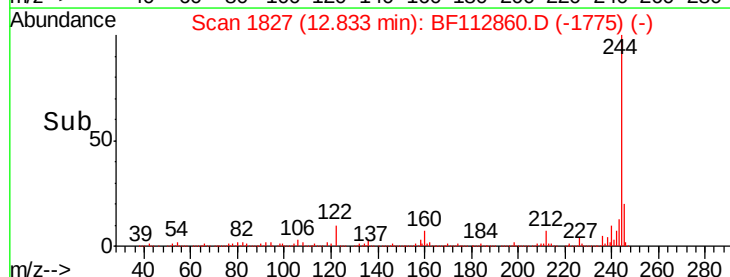
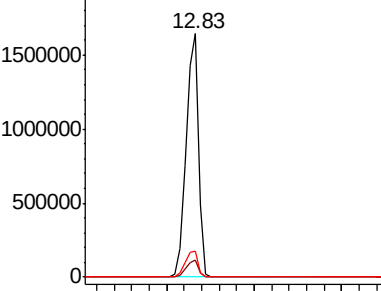
244 100

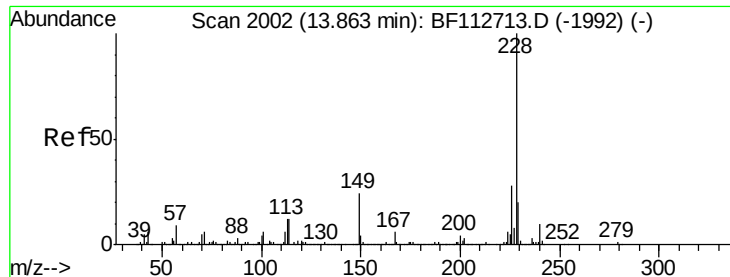
212 6.9 5.6 8.4

122 10.5 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





#81

Benzo(a)anthracene

Concen: 2.233 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

Instrument :

BNA_F

ClientSampleId :

TP-5-A

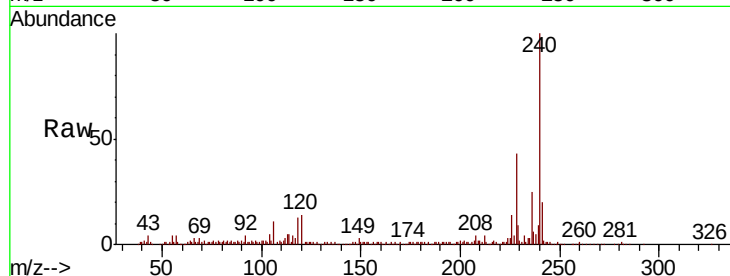
Tgt Ion:228 Resp: 69624

Ion Ratio Lower Upper

228 100

226 33.2 22.2 33.4

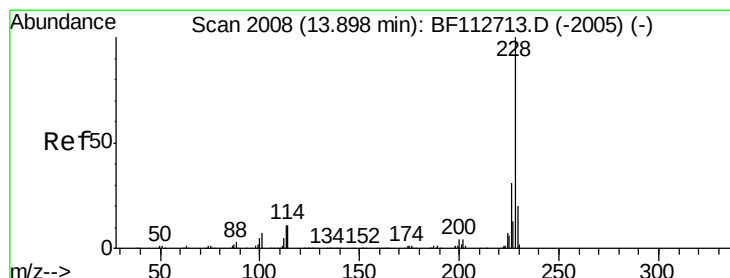
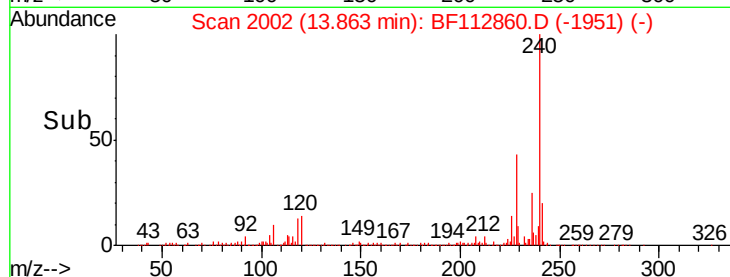
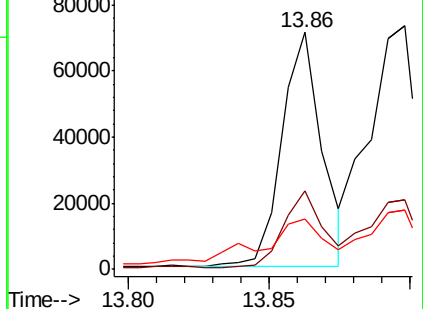
229 21.4 16.0 24.0



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: 2.280 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

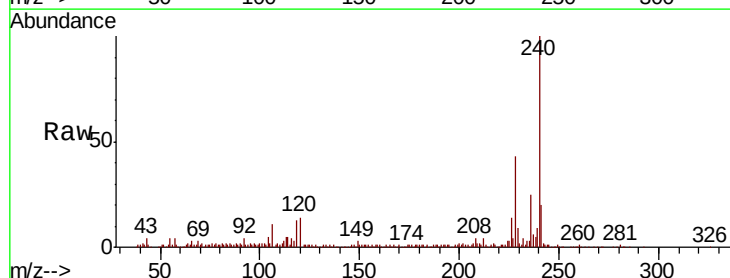
Tgt Ion:228 Resp: 69624

Ion Ratio Lower Upper

228 100

226 33.2 24.9 37.3

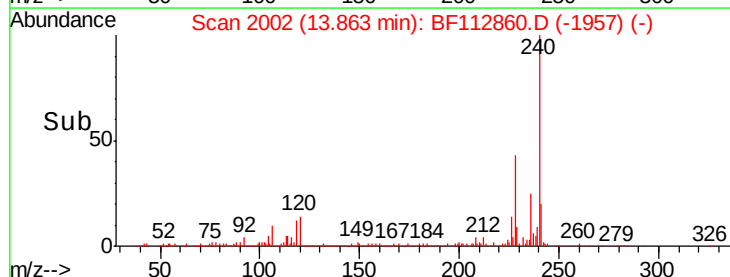
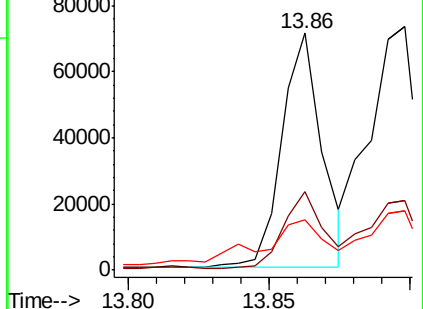
229 21.4 16.3 24.5

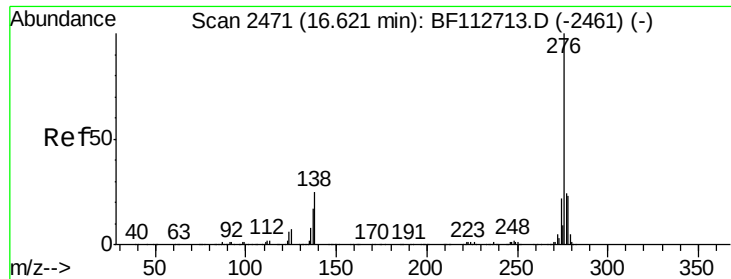


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

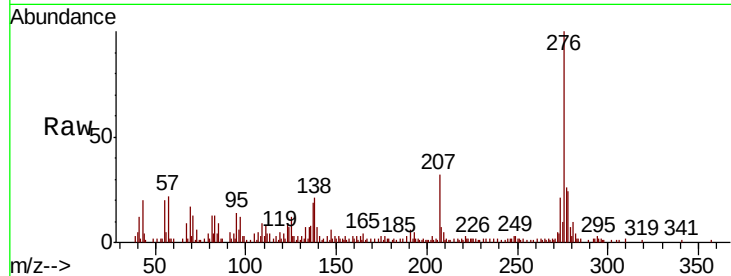




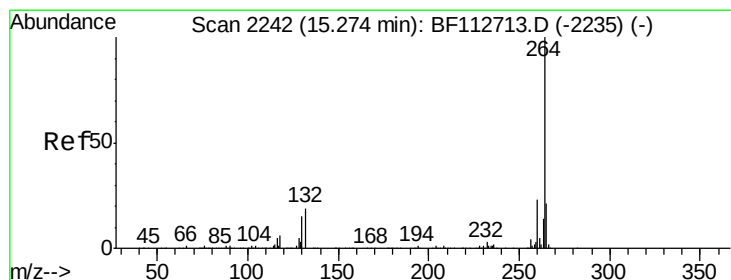
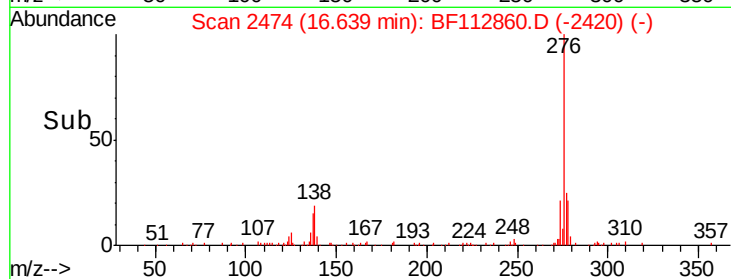
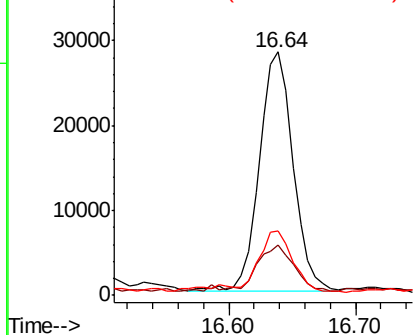
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.001 ng
 RT: 16.64 min Scan# 2474
 Delta R.T. 0.02 min
 Lab File: BF112860.D
 Acq: 5 Mar 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-A

Tgt Ion: 276 Resp: 52104
 Ion Ratio Lower Upper
 276 100
 138 20.5 23.2 34.8#
 277 24.6 19.9 29.9

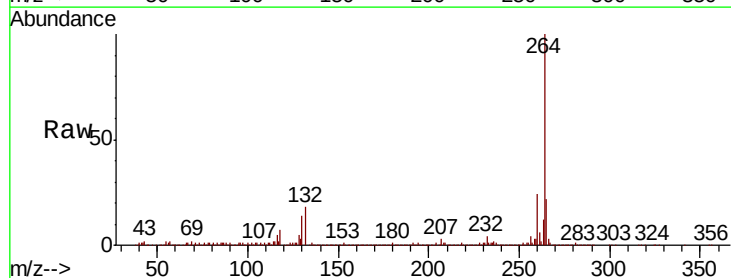


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

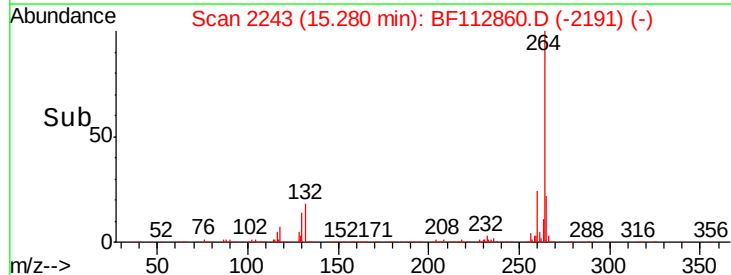
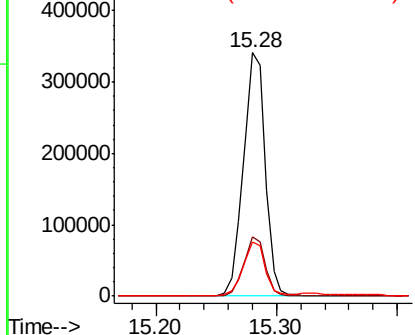


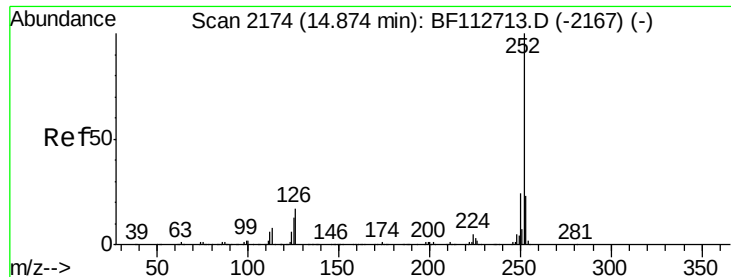
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BF112860.D
 Acq: 5 Mar 2019 18:53

Tgt Ion: 264 Resp: 434786
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.7 28.1
 265 22.5 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

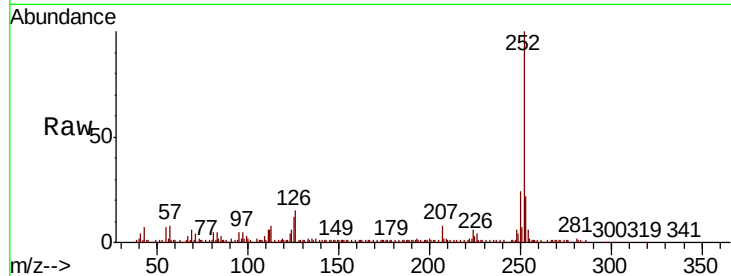




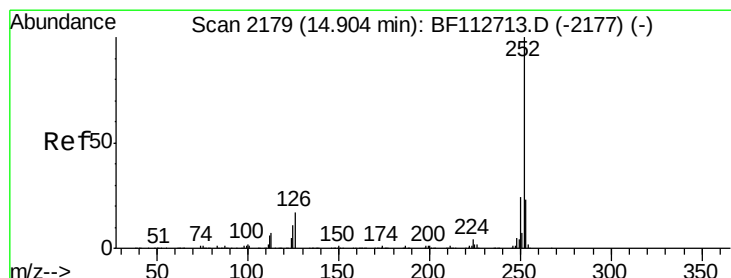
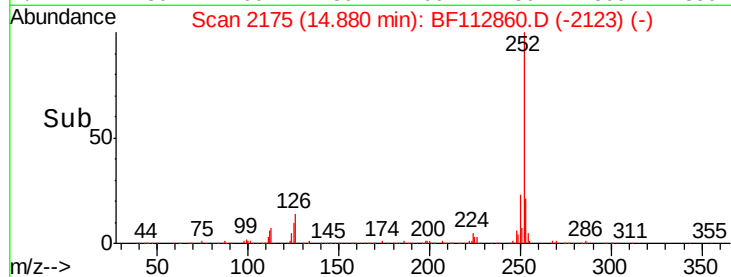
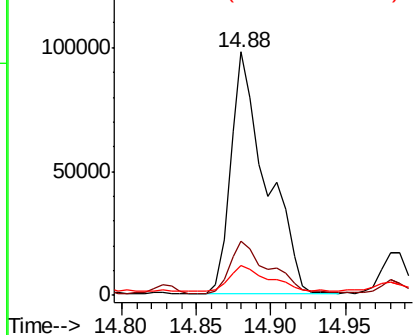
#88
Benzo(b)fluoranthene
Concen: 5.781 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112860.D
Acq: 5 Mar 2019 18:53

Instrument :
BNA_F
ClientSampleId :
TP-5-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	12.3	10.2	15.2

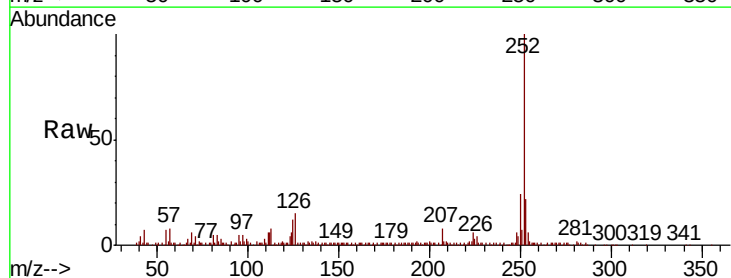


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

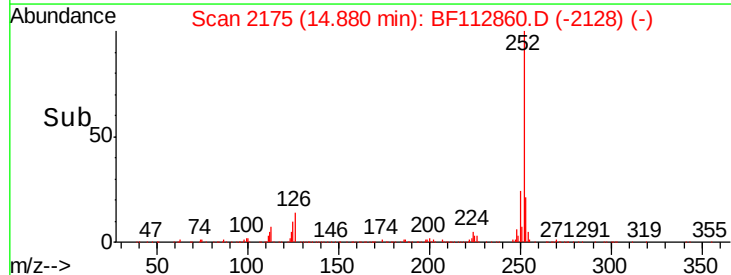
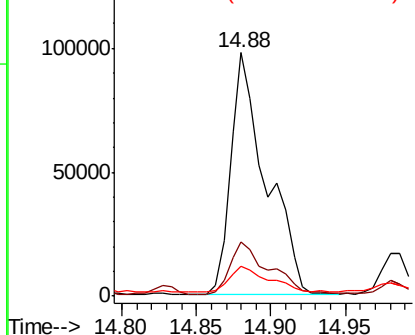


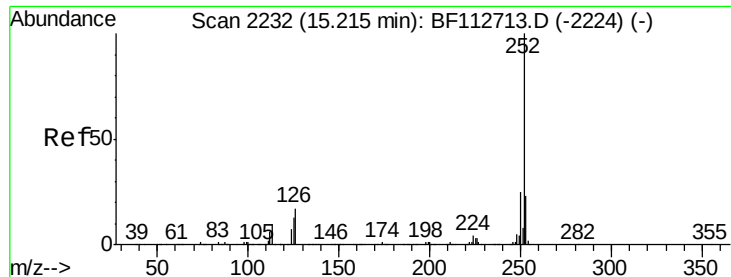
#89
Benzo(k)fluoranthene
Concen: 6.383 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112860.D
Acq: 5 Mar 2019 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	12.3	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: 2.585 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

Instrument :

BNA_F

ClientSampled :

TP-5-A

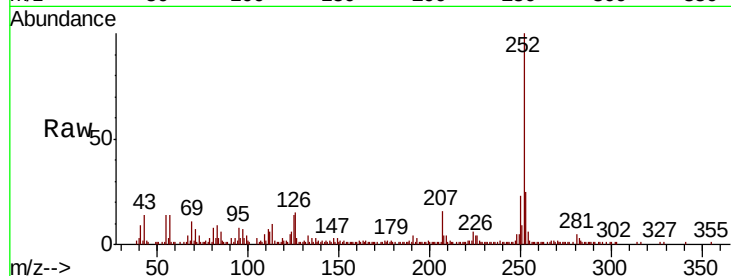
Tgt Ion:252 Resp: 64305

Ion Ratio Lower Upper

252 100

253 25.3 18.0 27.0

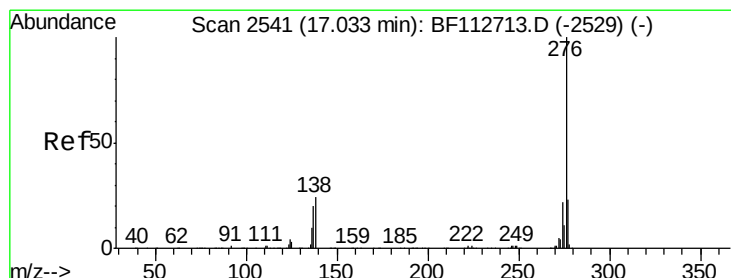
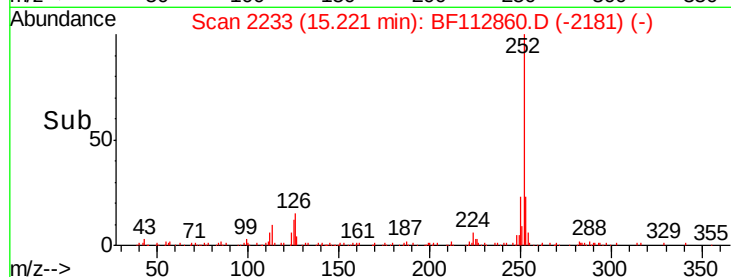
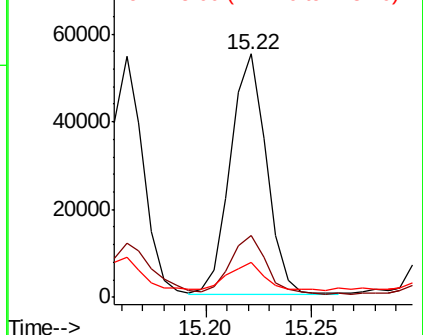
125 14.1 10.7 16.1



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: 2.103 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.01 min

Lab File: BF112860.D

Acq: 5 Mar 2019 18:53

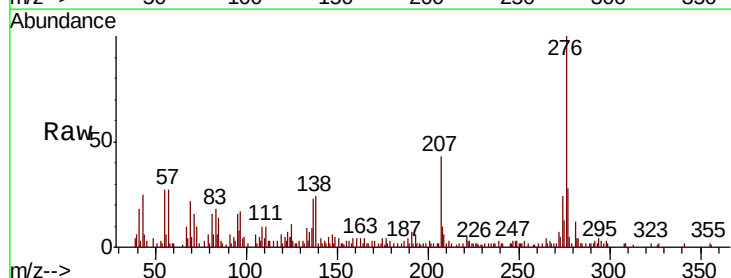
Tgt Ion:276 Resp: 44825

Ion Ratio Lower Upper

276 100

277 28.4 18.6 27.8#

138 23.9 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

