

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\
 Data File : BF114061.D
 Acq On : 1 May 2019 11:43
 Operator : JU/SJ
 Sample : K2194-03 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 14:55:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	120078	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	411486	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	223551	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	433875	20.00	ng	0.00
76) Chrysene-d12	14.07	240	338652	20.00	ng	0.00
87) Perylene-d12	15.57	264	360778	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	381525	54.34	ng	0.00
7) Phenol-d6	6.52	99	480099	54.51	ng	0.00
23) Nitrobenzene-d5	7.45	82	279537	41.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	155768	57.20	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	601246	42.06	ng	0.00
79) Terphenyl-d14	13.00	244	666993	40.38	ng	0.00

Target Compounds

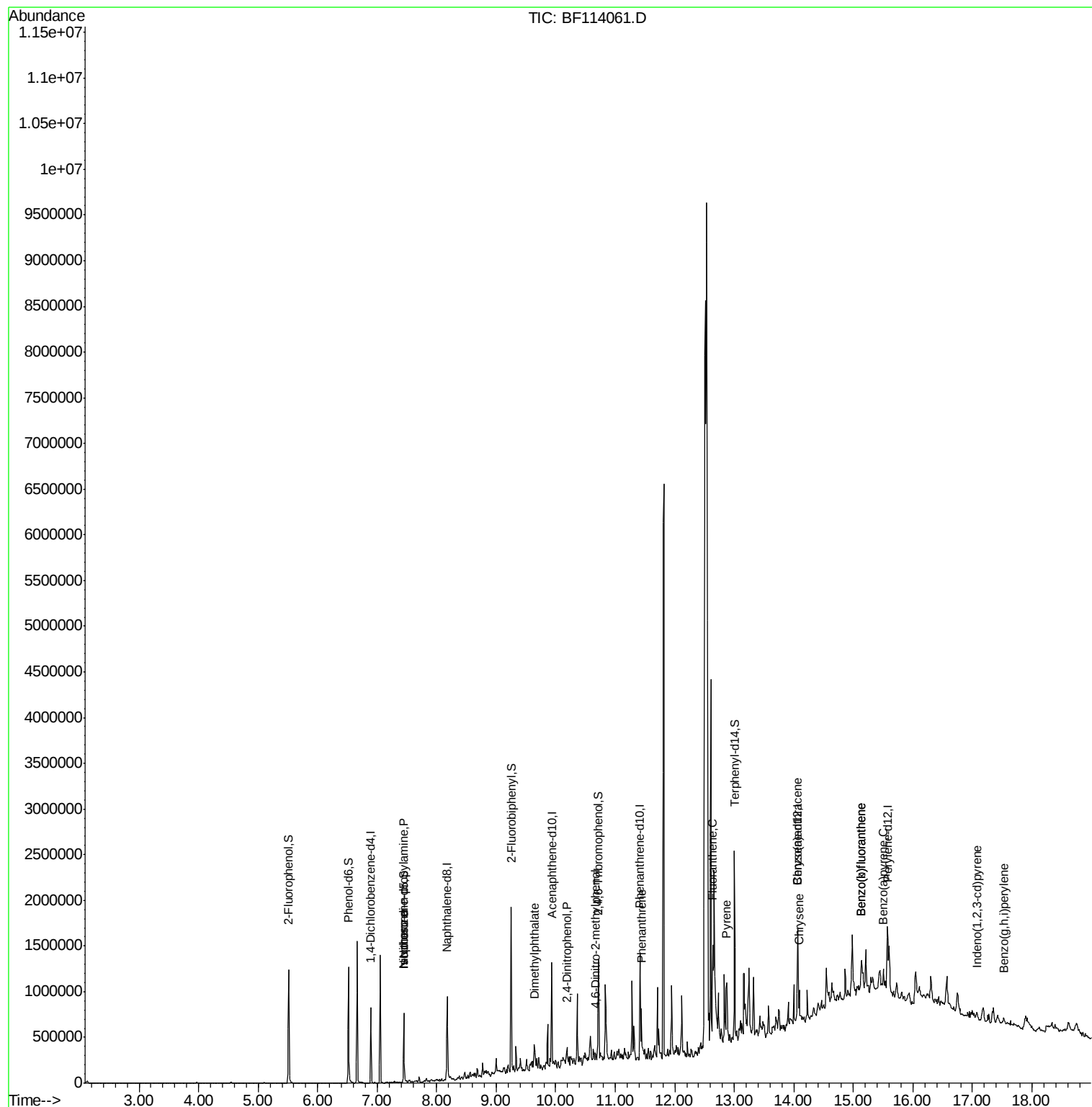
						Qvalue
9) Benzaldehyde	6.66	77	8695	Below Cal		88
19) n-Nitroso-di-n-propylamine	7.45	70	37806	6.628 ng	#	77
25) Isophorone	7.45	82	277713	20.366 ng	#	65
50) Dimethylphthalate	9.64	163	83436	5.161 ng		99
54) 2,4-Dinitrophenol	10.19	184	120	8.391 ng	#	58
65) 4,6-Dinitro-2-methylphenol	10.66	198	109	7.355 ng	#	1
71) Phenanthrene	11.44	178	173630	7.963 ng		98
75) Fluoranthene	12.63	202	254231	10.687 ng		97
78) Pyrene	12.86	202	238789	10.083 ng		99
81) Benzo(a)anthracene	14.06	228	127569	6.394 ng		95
83) Chrysene	14.09	228	132045	6.795 ng		97
86) Indeno(1,2,3-cd)pyrene	17.07	276	47078	2.558 ng		96
88) Benzo(b)fluoranthene	15.13	252	219186	9.602 ng	#	90
89) Benzo(k)fluoranthene	15.13	252	219673	11.188 ng	#	91
90) Benzo(a)pyrene	15.51	252	104851	5.311 ng	#	89
92) Benzo(g,h,i)perylene	17.53	276	43389	2.320 ng	#	90

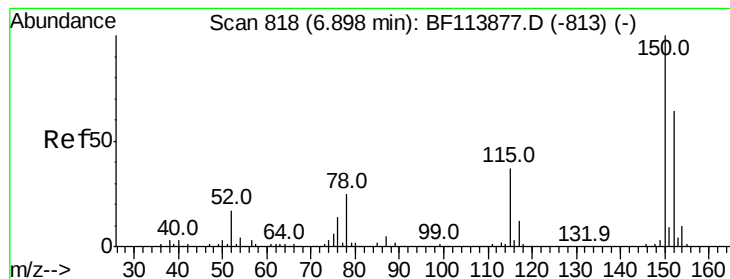
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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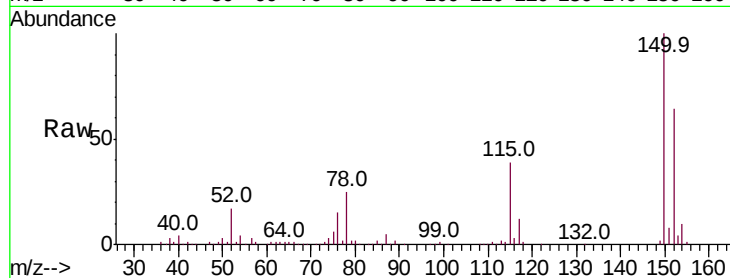


#1

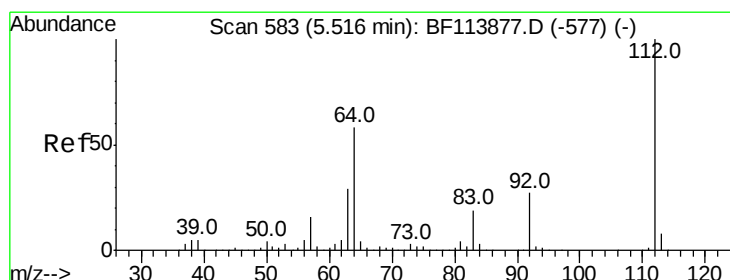
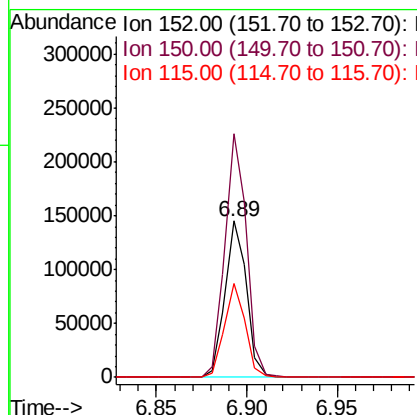
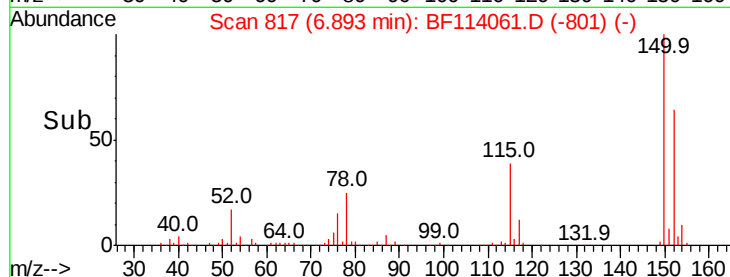
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114061.D
Acq: 1 May 2019 11:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120078
Ion Ratio Lower Upper
152 100
150 155.7 125.9 188.9
115 60.1 45.9 68.9



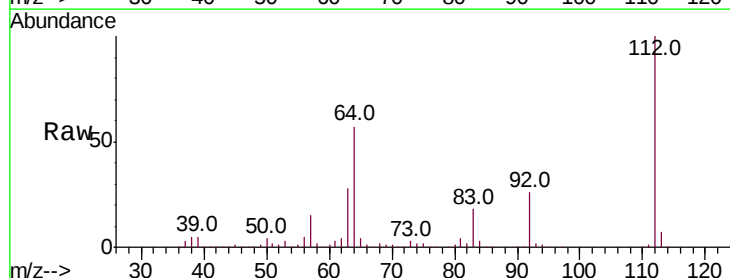
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



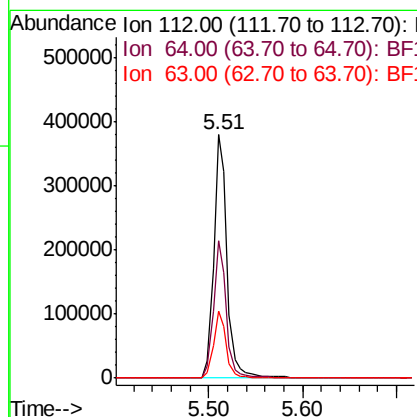
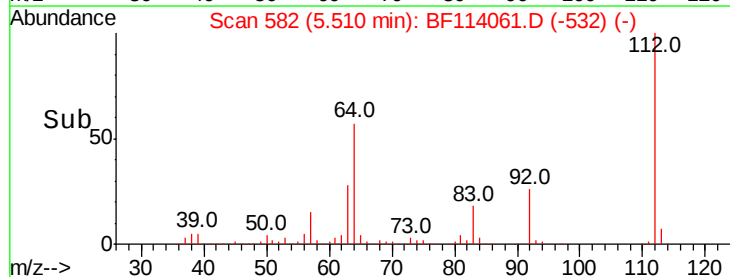
#5

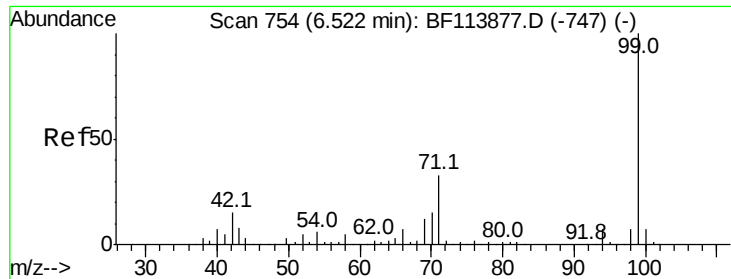
2-Fluorophenol
Concen: 54.343 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF114061.D
Acq: 1 May 2019 11:43

Tgt Ion:112 Resp: 381525
Ion Ratio Lower Upper
112 100
64 56.5 46.6 69.8
63 27.6 23.1 34.7



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: 54.506 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

Instrument :

BNA_F

ClientSampleId :

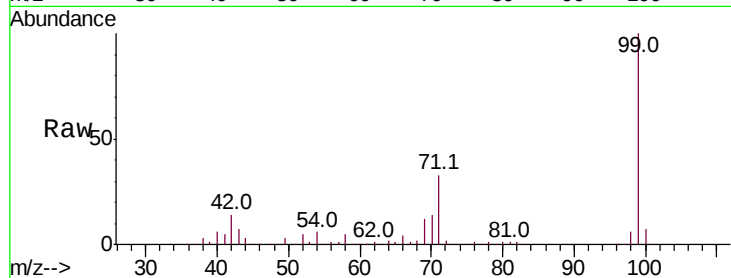
Tot Ion: 99 Resp: 480099

Ion Ratio Lower Upper

99 100

42 14.5 12.5 18.7

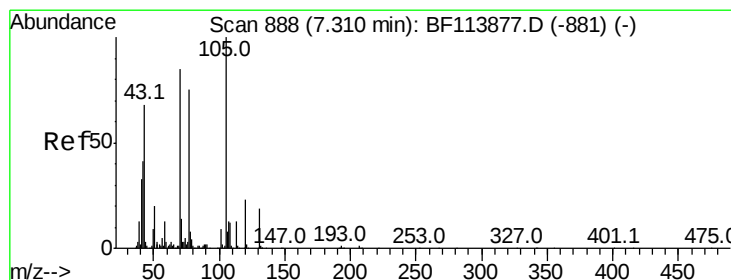
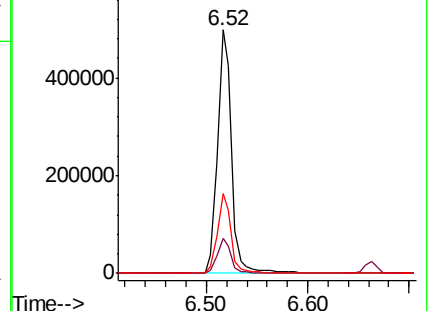
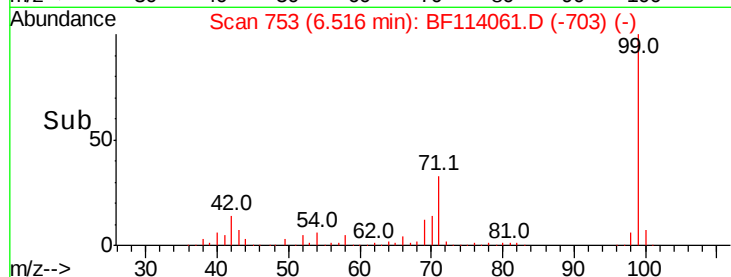
71 32.6 26.9 40.3



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: 6.628 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

Tgt Ion: 70 Resp: 37806

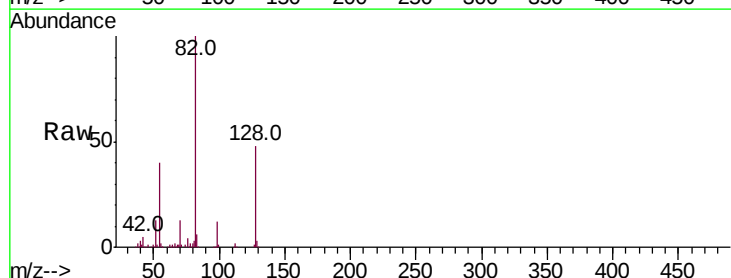
Ion Ratio Lower Upper

70 100

42 37.8 37.3 55.9

101 0.0 7.8 11.8#

130 2.4 18.2 27.2#

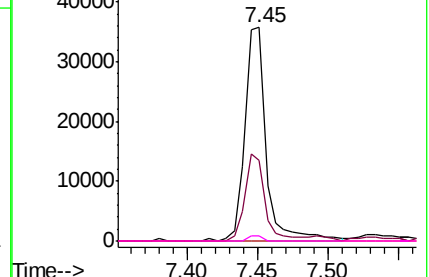
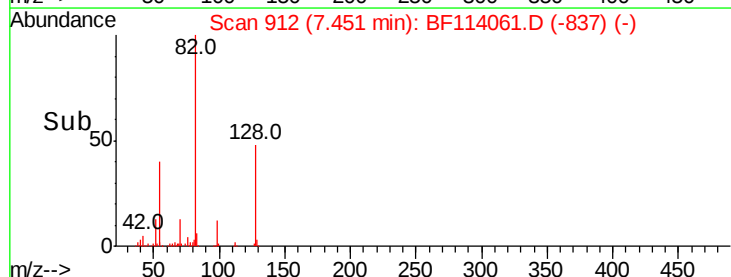


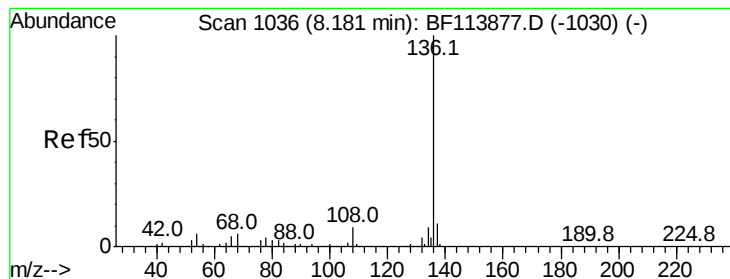
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 411486

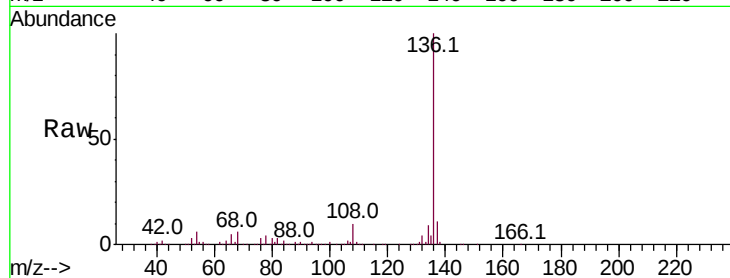
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 6.1 5.0 7.6

68 6.2 4.9 7.3

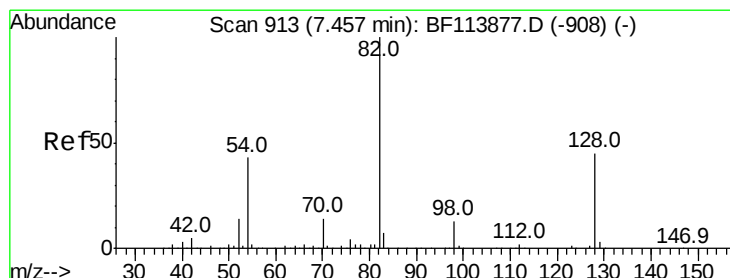
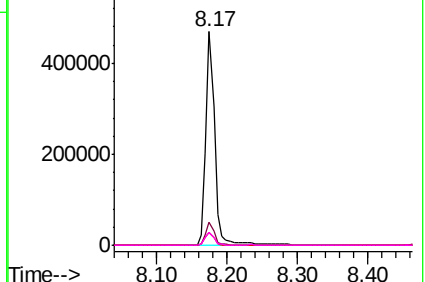
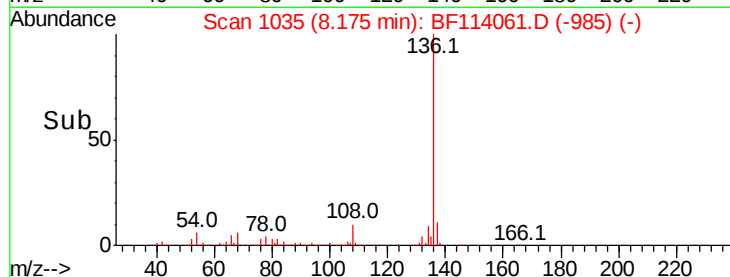


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.945 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

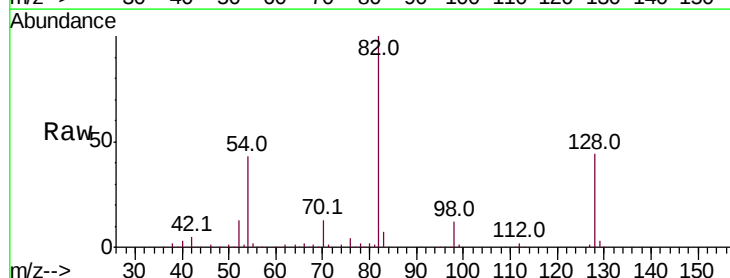
Tgt Ion: 82 Resp: 279537

Ion Ratio Lower Upper

82 100

128 43.6 36.8 55.2

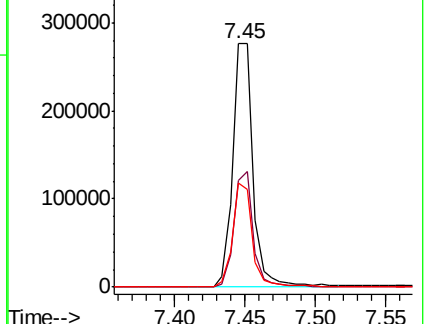
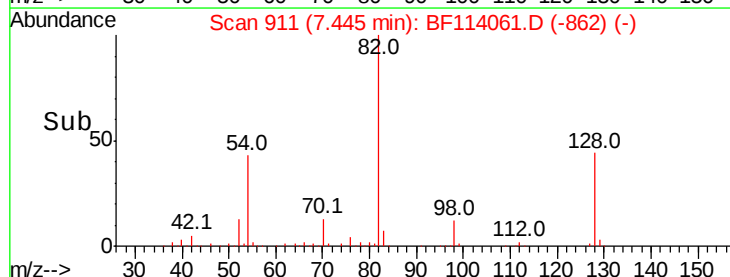
54 42.7 33.8 50.6

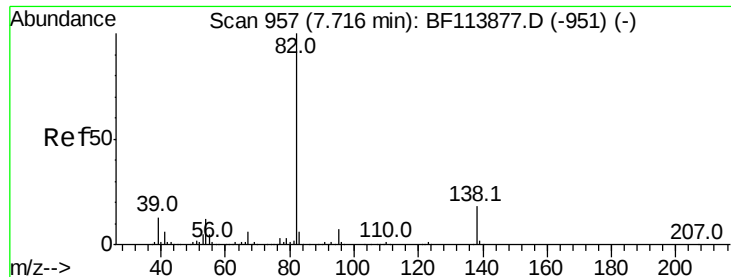


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 20.366 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

Instrument :

BNA_F

ClientSampleId :

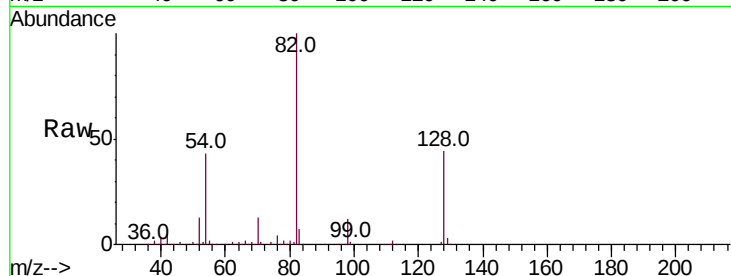
Tot Ion: 82 Resp: 277713

Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.2#

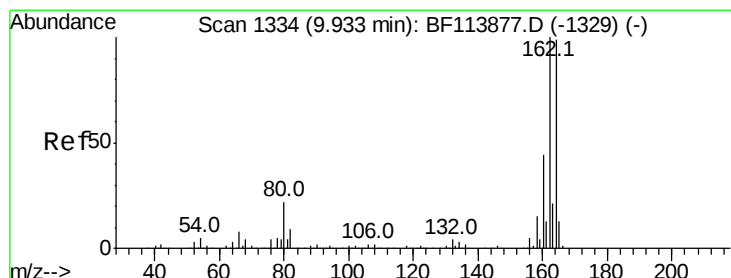
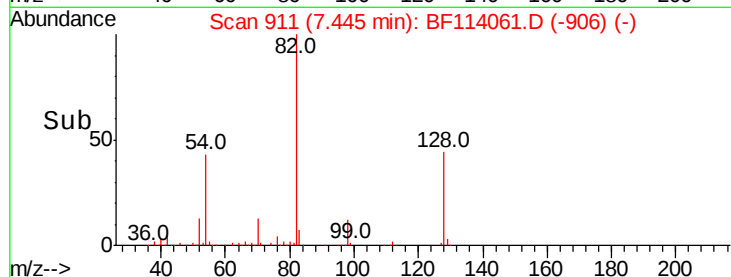
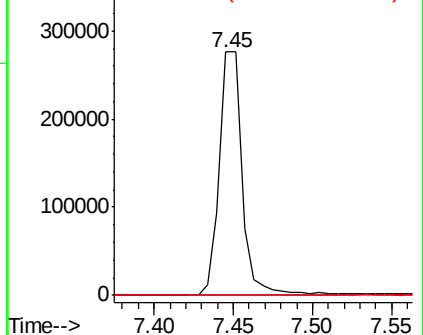
138 0.0 14.6 22.0#



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: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

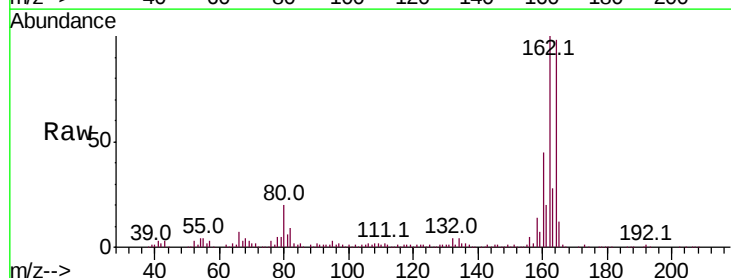
Tgt Ion:164 Resp: 223551

Ion Ratio Lower Upper

164 100

162 101.8 81.1 121.7

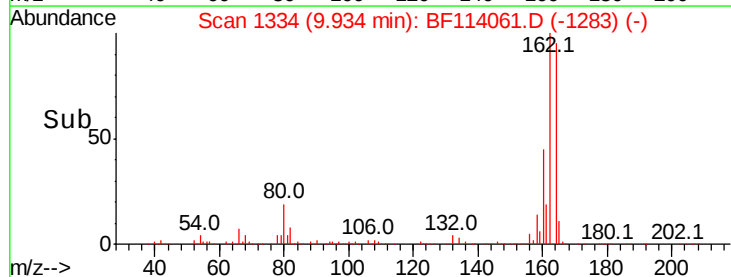
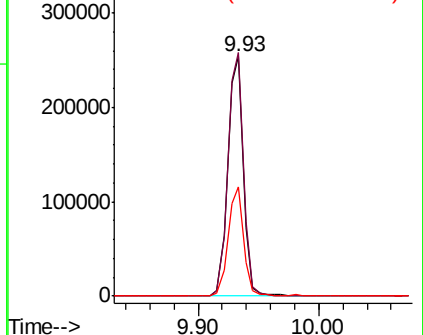
160 45.5 35.8 53.6

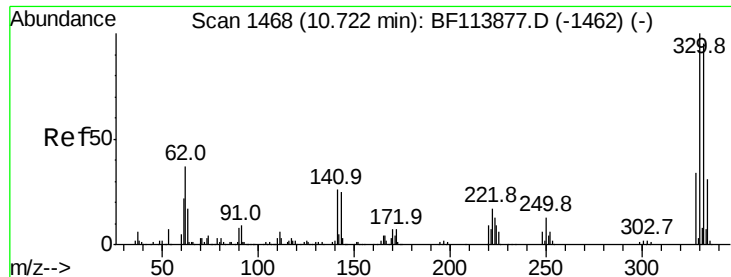


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 57.198 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

Instrument :

BNA_F

ClientSampleId :

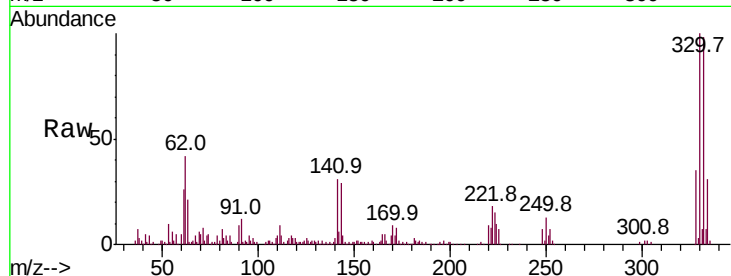
Tot Ion:330 Resp: 155768

Ion Ratio Lower Upper

330 100

332 98.2 77.5 116.3

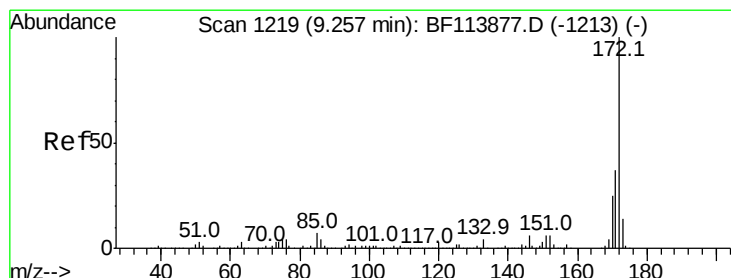
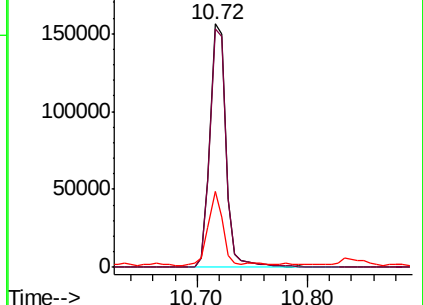
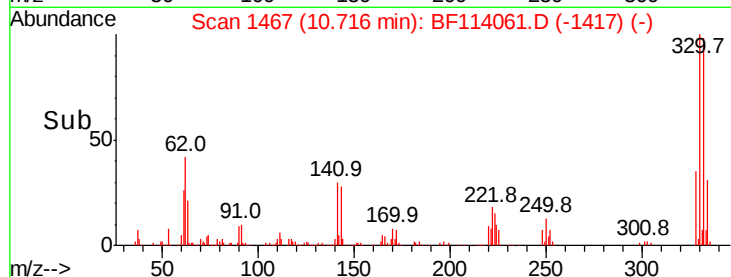
141 26.6 22.2 33.2



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: 42.065 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

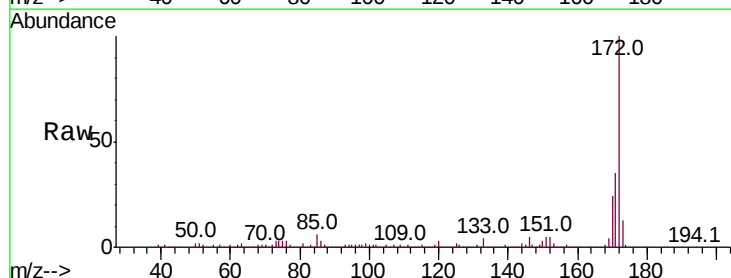
Tgt Ion:172 Resp: 601246

Ion Ratio Lower Upper

172 100

171 35.2 29.4 44.0

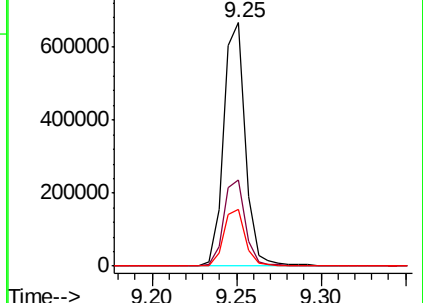
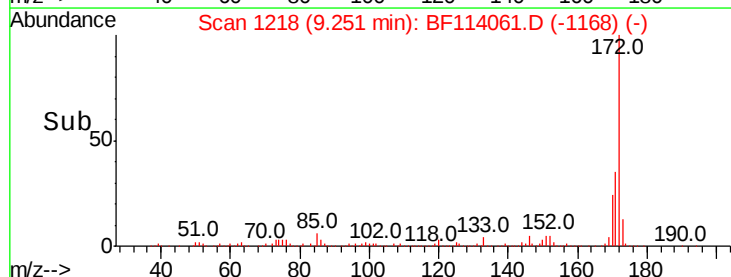
170 23.6 19.9 29.9

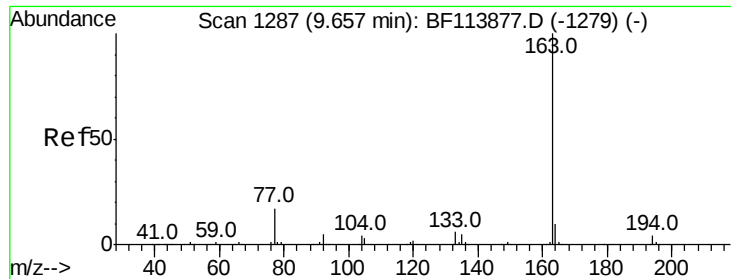


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.161 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

Instrument :

BNA_F

ClientSampleId :

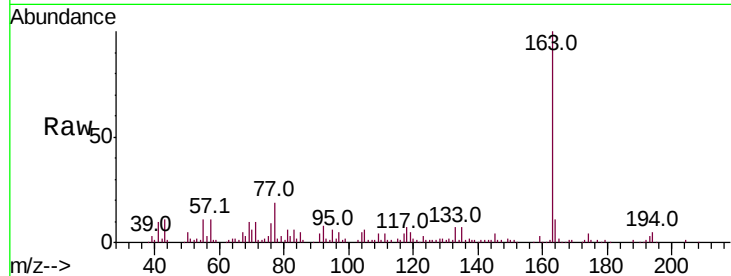
Tot Ion:163 Resp: 83436

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.2

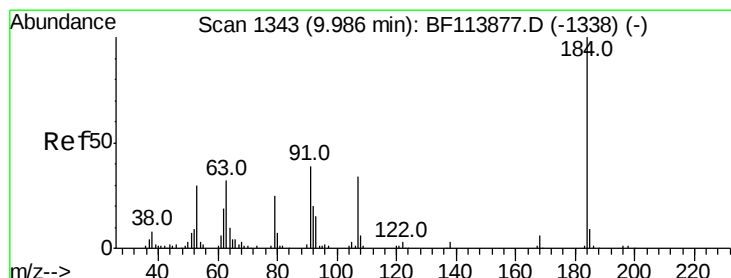
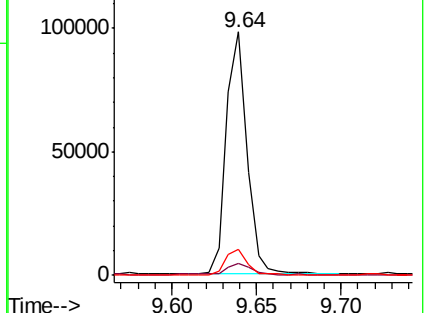
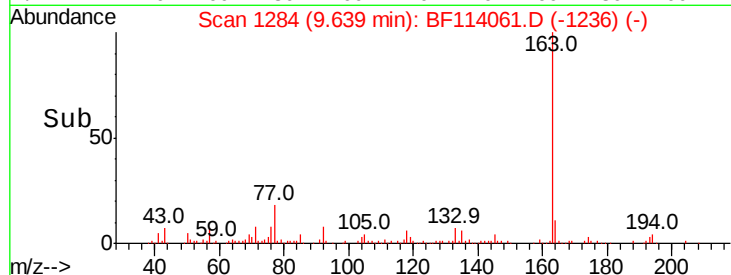
164 10.5 8.5 12.7



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



#54

2,4-Dinitrophenol

Concen: 8.391 ng

RT: 10.19 min Scan# 1377

Delta R.T. 0.20 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

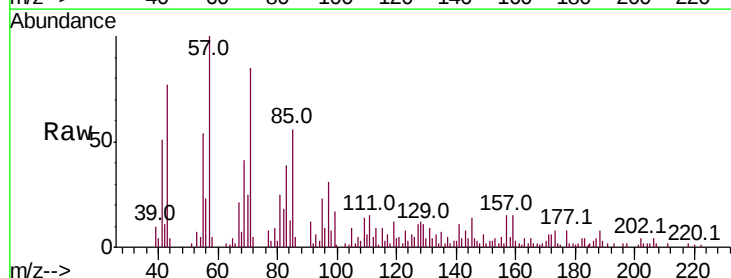
Tgt Ion:184 Resp: 120

Ion Ratio Lower Upper

184 100

63 135.4 54.6 81.8#

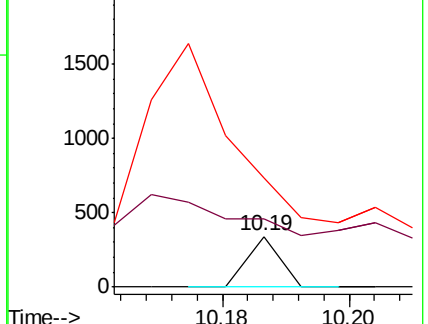
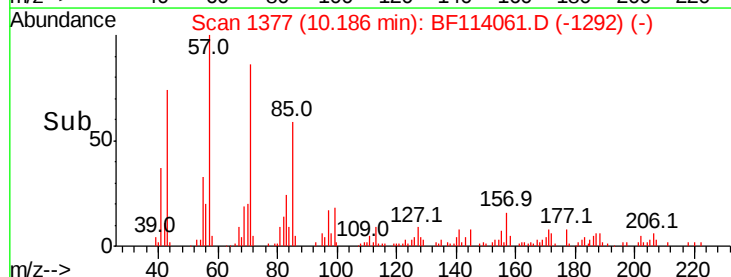
154 215.6 218.6 328.0#

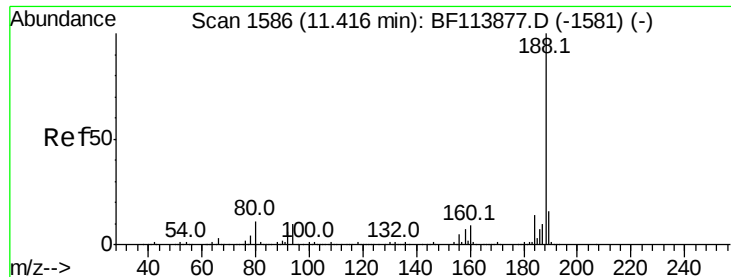


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

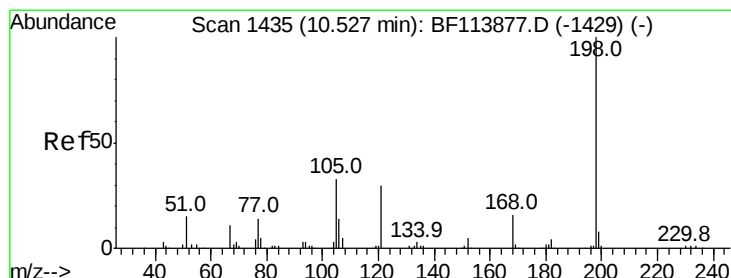
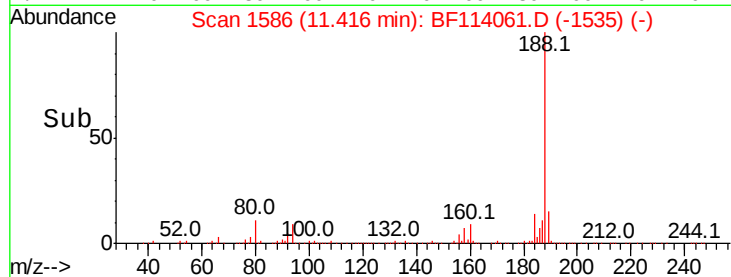
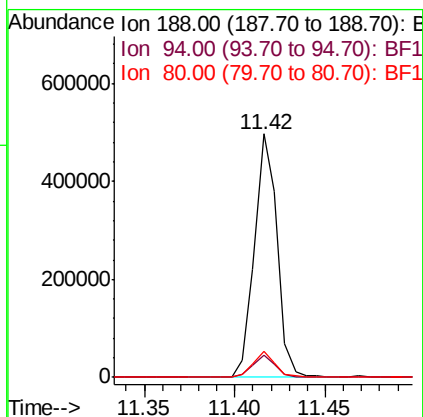
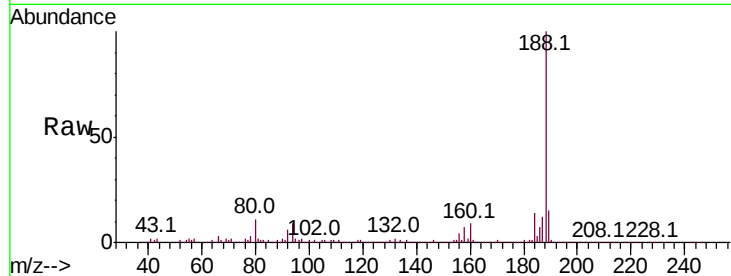




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF114061.D
 Acq: 1 May 2019 11:43

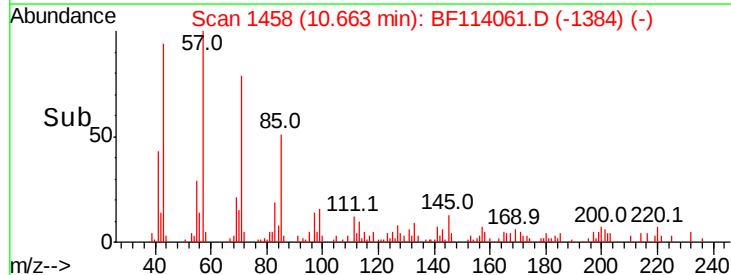
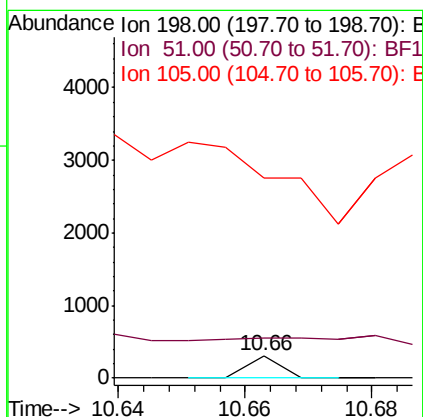
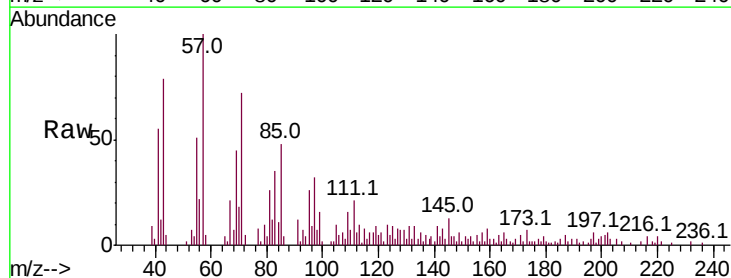
Instrument :
 BNA_F
 ClientSampleId :

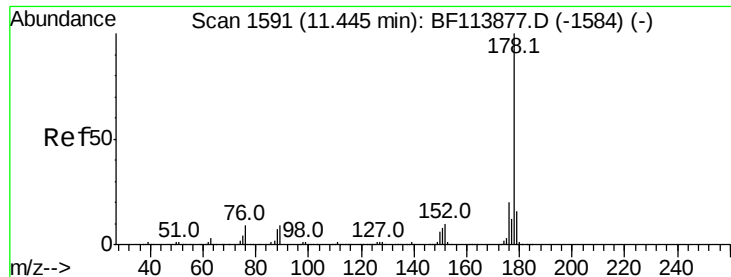
Tot Ion:188 Resp: 433875
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.2 12.4
 80 10.7 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.355 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.14 min
 Lab File: BF114061.D
 Acq: 1 May 2019 11:43

Tgt Ion:198 Resp: 109
 Ion Ratio Lower Upper
 198 100
 51 177.6 11.1 51.1#
 105 894.8 20.7 60.7#





#71

Phenanthrene

Concen: 7.963 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

Instrument :

BNA_F

ClientSampleId :

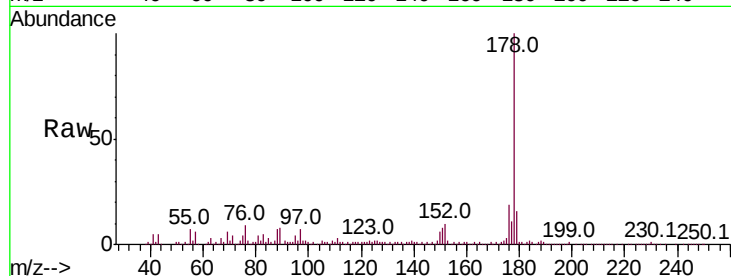
Tot Ion:178 Resp: 173630

Ion Ratio Lower Upper

178 100

176 19.1 16.1 24.1

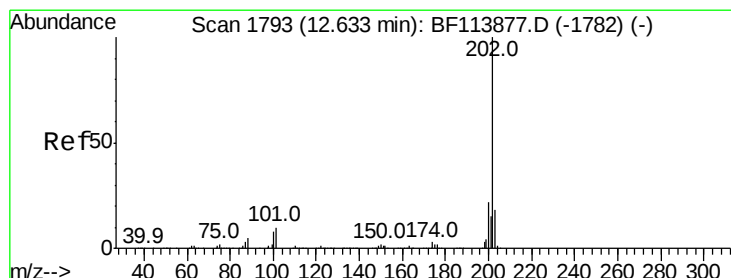
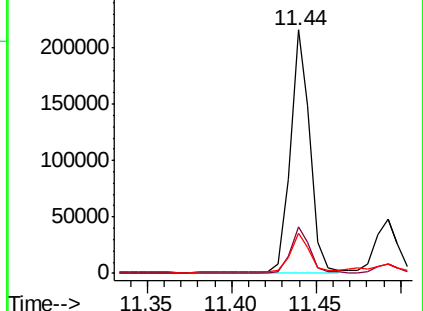
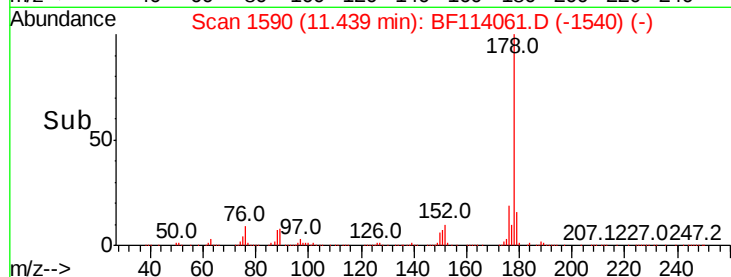
179 16.4 12.8 19.2



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: 10.687 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

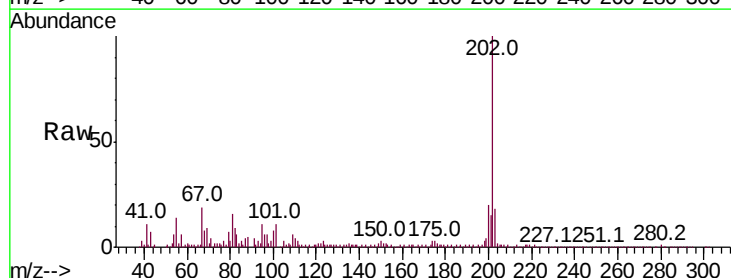
Tgt Ion:202 Resp: 254231

Ion Ratio Lower Upper

202 100

101 11.2 0.0 32.9

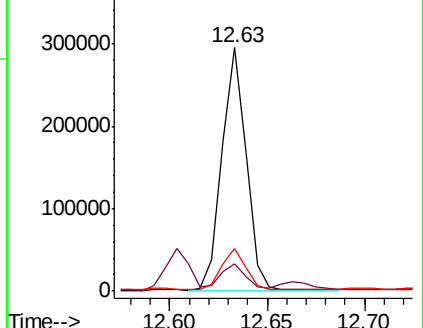
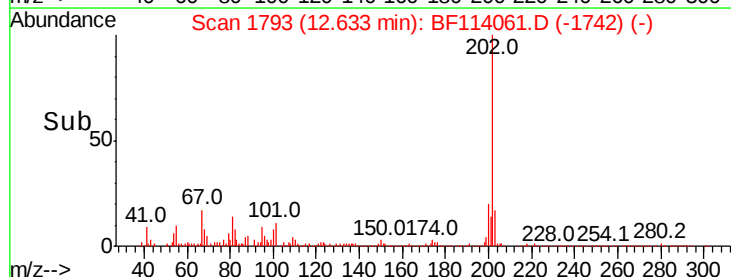
203 17.7 0.0 38.2

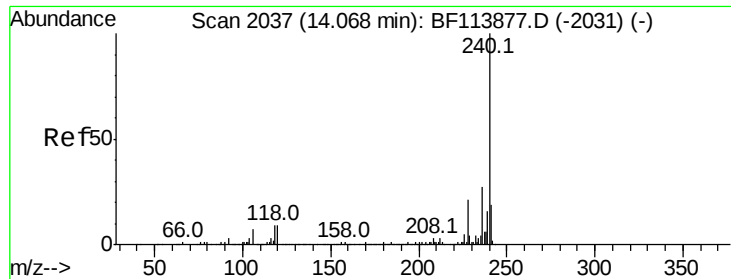


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

Instrument :

BNA_F

ClientSampled :

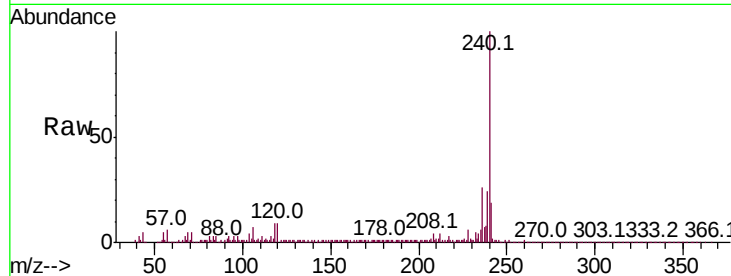
Tot Ion:240 Resp: 338652

Ion Ratio Lower Upper

240 100

120 9.4 9.3 13.9

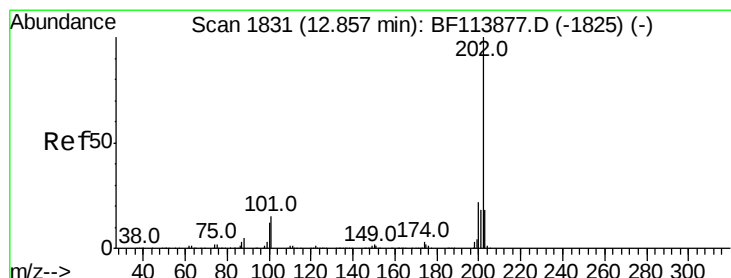
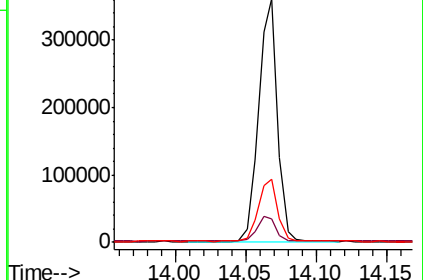
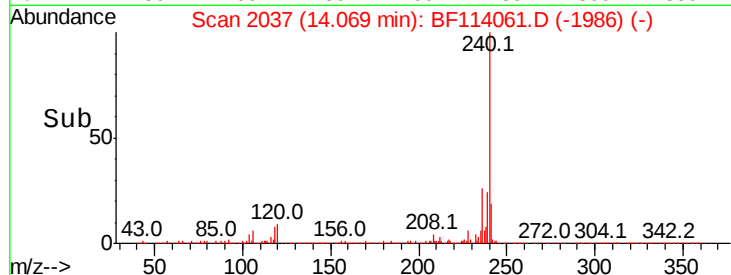
236 26.1 21.2 31.8



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: 10.083 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

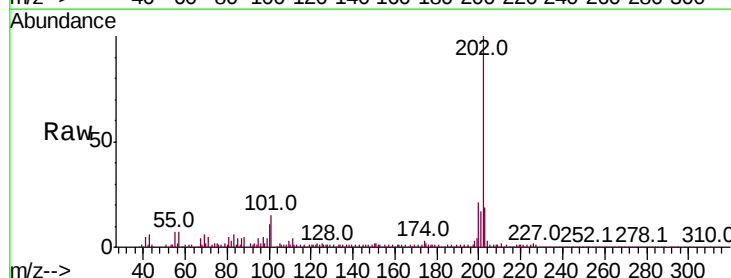
Tgt Ion:202 Resp: 238789

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

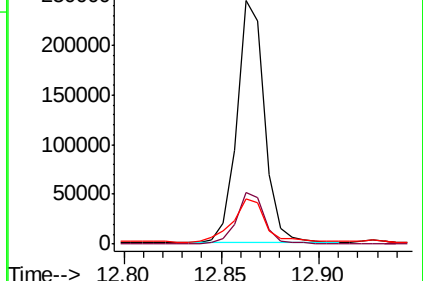
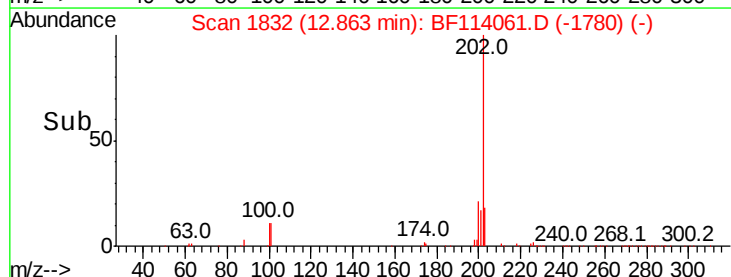
203 18.7 15.0 22.6

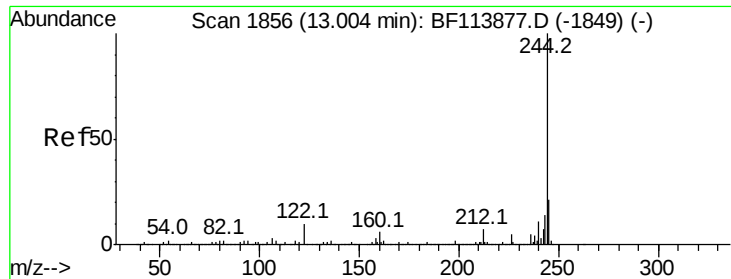


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

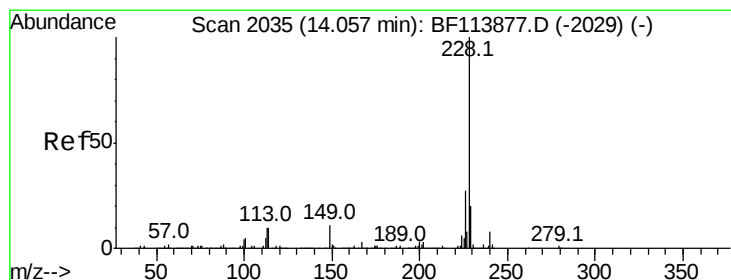
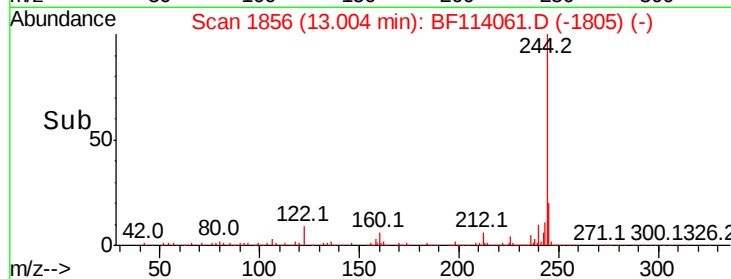
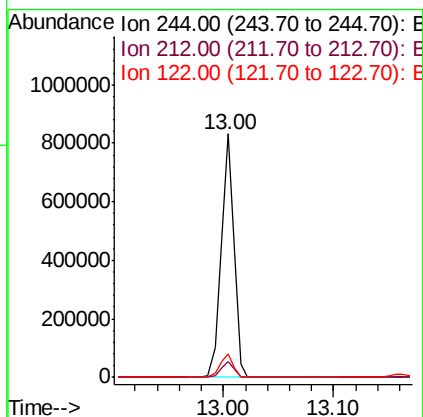
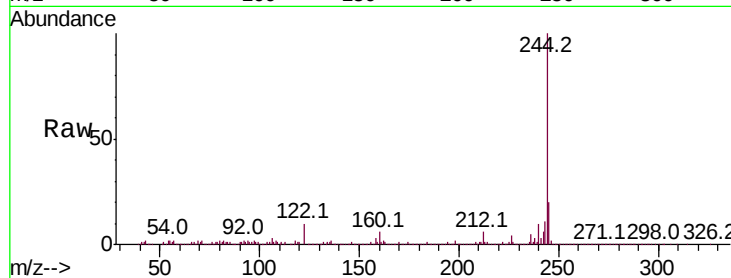




#79
 Terphenyl-d14
 Concen: 40.378 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. 0.00 min
 Lab File: BF114061.D
 Acq: 1 May 2019 11:43

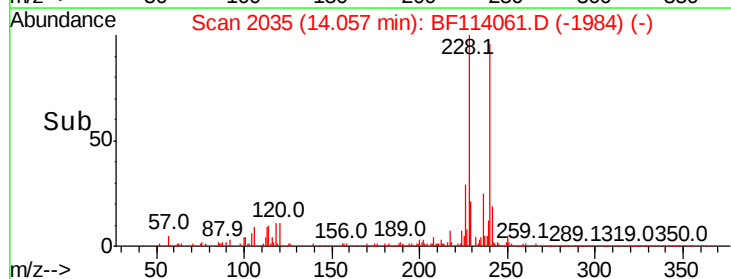
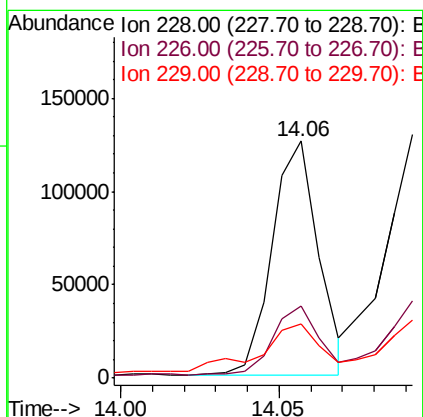
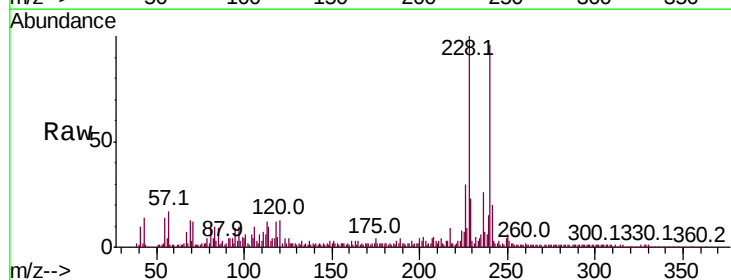
Instrument :
 BNA_F
 ClientSampleID :

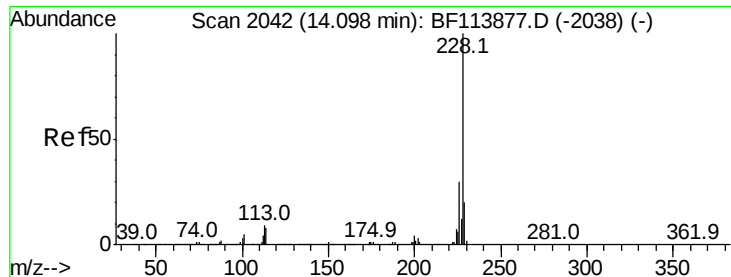
Tot Ion:244 Resp: 666993
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.2
 122 9.6 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 6.394 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: BF114061.D
 Acq: 1 May 2019 11:43

Tgt Ion:228 Resp: 127569
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.2 33.2
 229 22.7 16.0 24.0

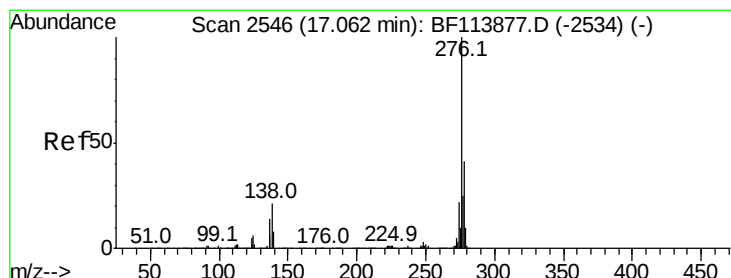
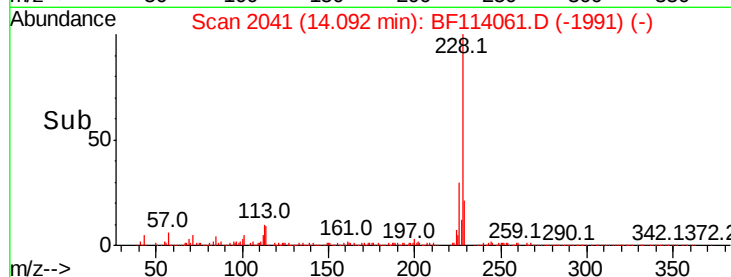
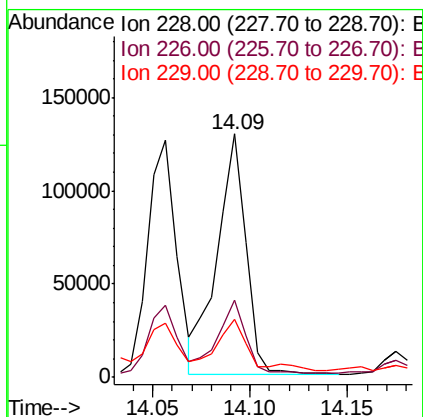
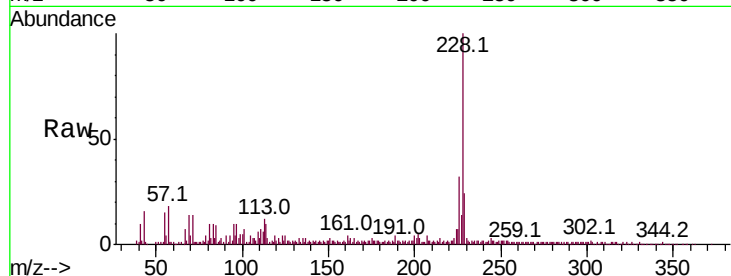




#83
Chrysene
Concen: 6.795 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF114061.D
Acq: 1 May 2019 11:43

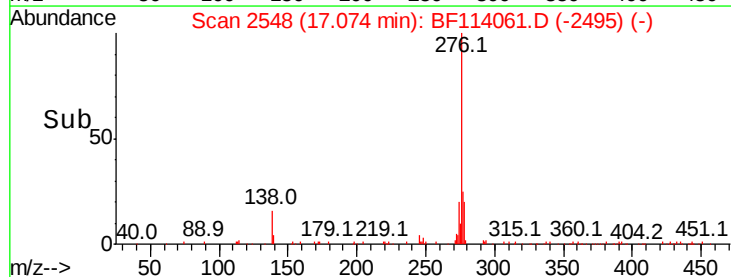
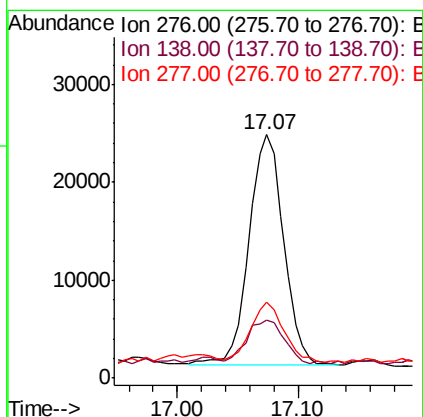
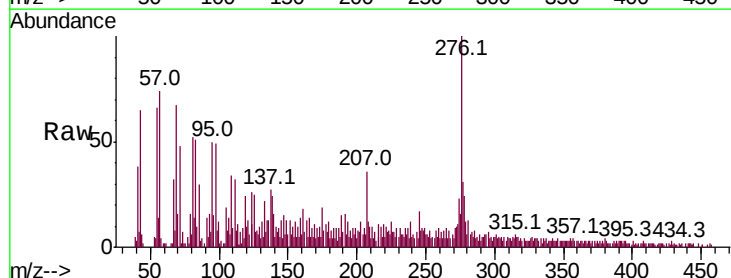
Instrument :
BNA_F
ClientSampleId :

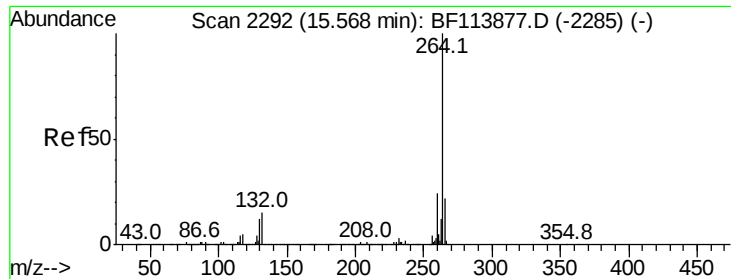
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.2	37.8
229	23.9	16.7	25.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.558 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.01 min
Lab File: BF114061.D
Acq: 1 May 2019 11:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.6	29.4
277	25.4	20.2	30.4

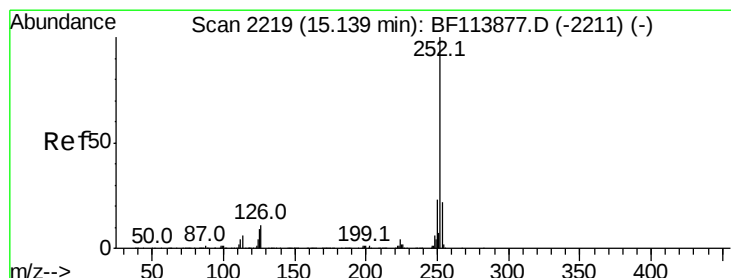
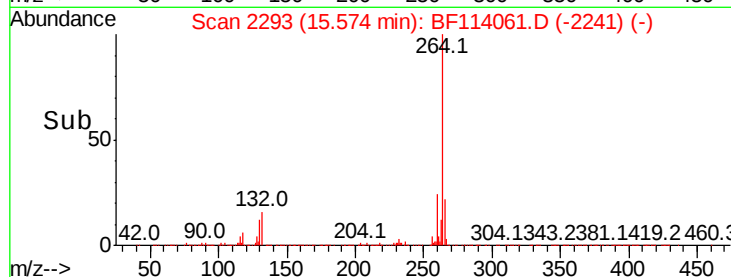
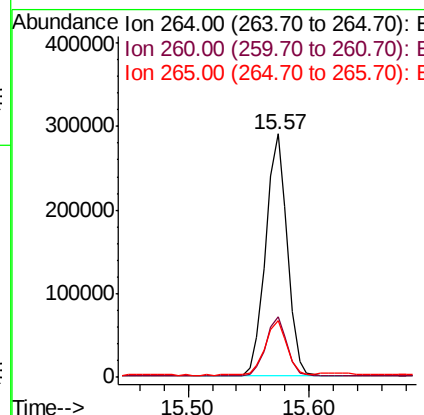
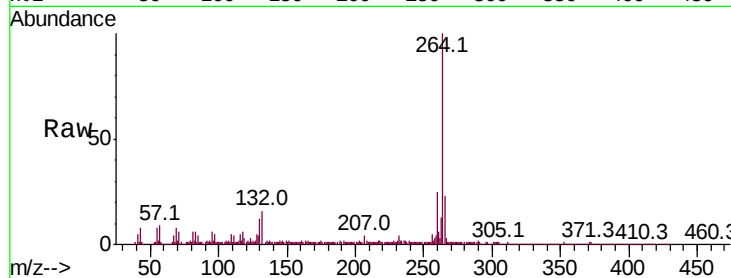




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BF114061.D
 Acq: 1 May 2019 11:43

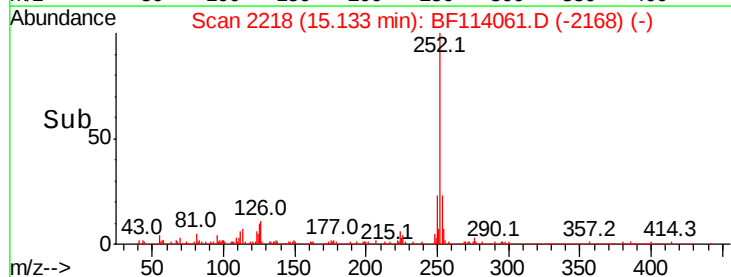
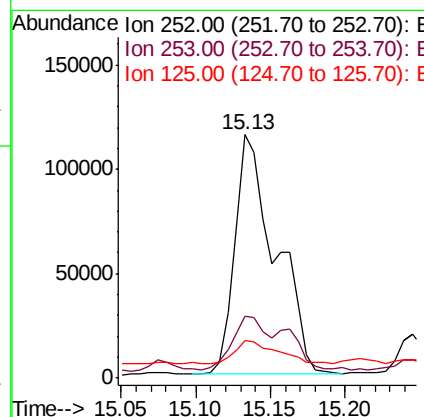
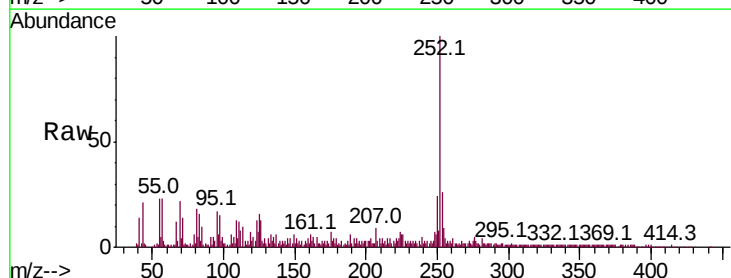
Instrument :
 BNA_F
 ClientSampleId :

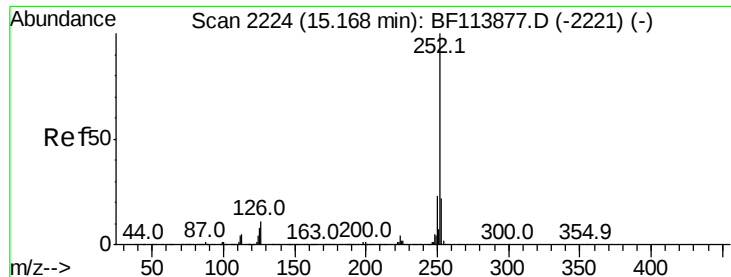
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.9	28.3
265	23.1	17.3	25.9



#88
 Benzo(b)fluoranthene
 Concen: 9.602 ng
 RT: 15.13 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BF114061.D
 Acq: 1 May 2019 11:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.6
125	15.5	7.0	10.6

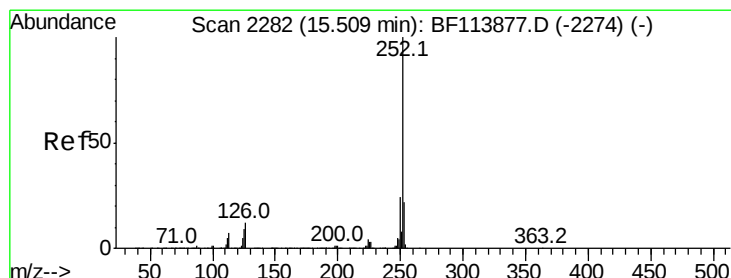
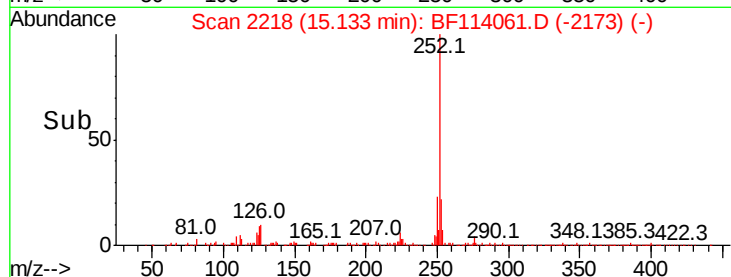
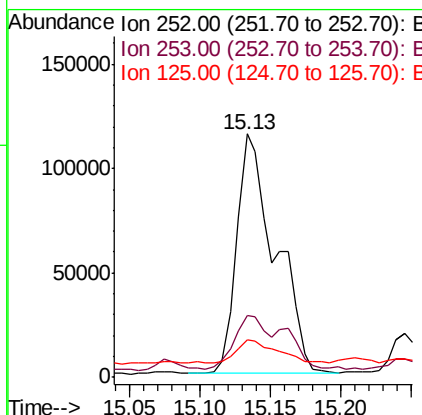
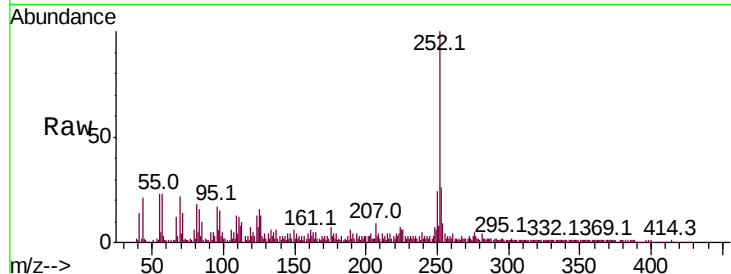




#89
Benzo(k)fluoranthene
Concen: 11.188 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF114061.D
Acq: 1 May 2019 11:43

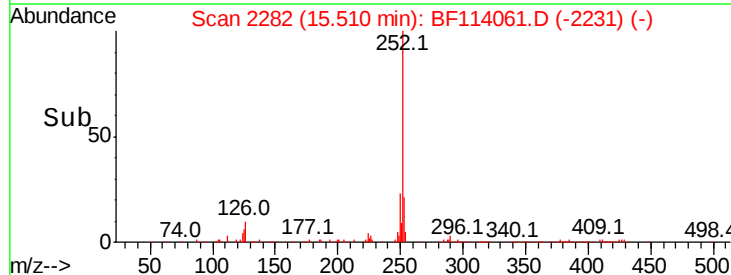
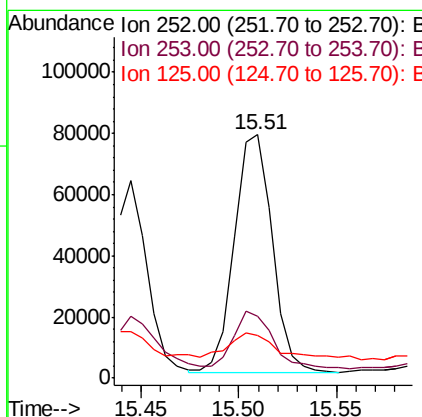
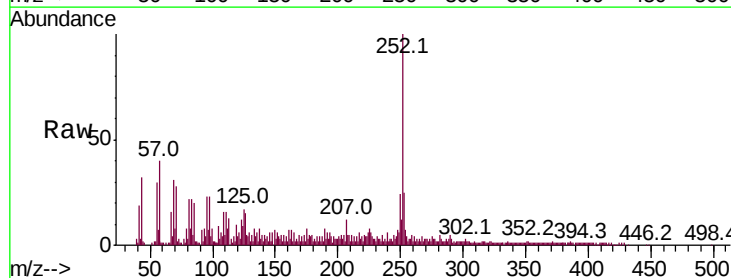
Instrument :
BNA_F
ClientSampleId :

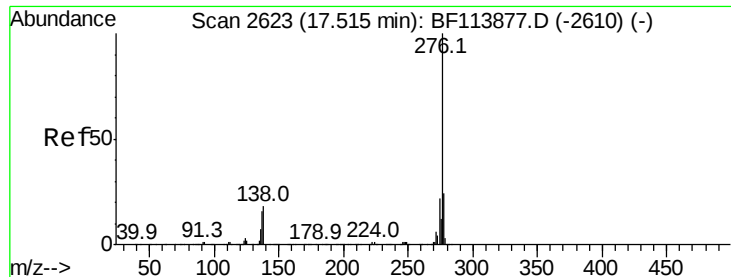
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.2
125	15.5	7.4	11.2#



#90
Benzo(a)pyrene
Concen: 5.311 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.00 min
Lab File: BF114061.D
Acq: 1 May 2019 11:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	17.4	8.5	12.7#





#92

Benzo(a,h,i)perylene

Concen: 2.320 ng

RT: 17.53 min Scan# 2625

Delta R.T. 0.01 min

Lab File: BF114061.D

Acq: 1 May 2019 11:43

Instrument :

BNA_F

ClientSampleId :

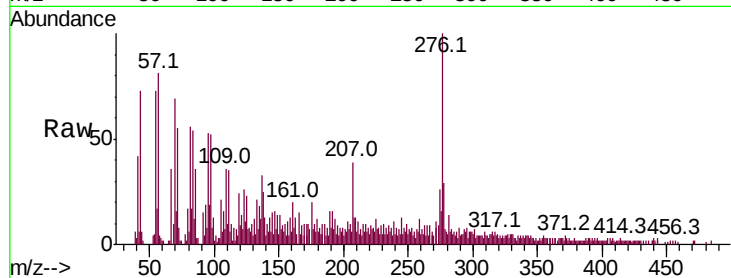
Tot Ion:276 Resp: 43389

Ion Ratio Lower Upper

276 100

277 29.2 19.0 28.4#

138 24.9 16.6 25.0



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

