

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
 Data File : BF114050.D
 Acq On : 30 Apr 2019 18:49
 Operator : JU/SJ
 Sample : K2194-17 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 23:04:19 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

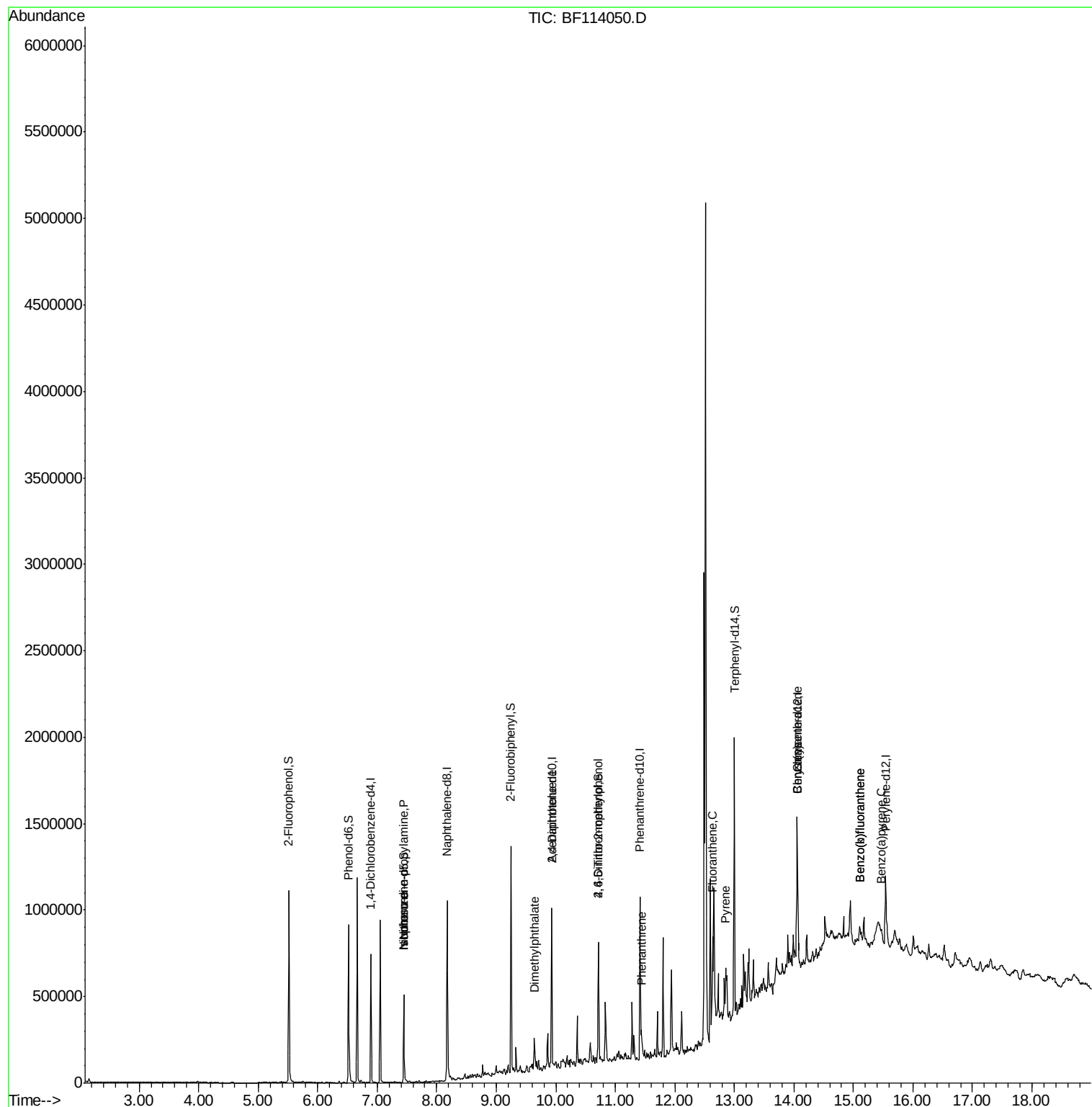
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	111031	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	455591	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	183996	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	339517	20.00	ng	0.00
76) Chrysene-d12	14.06	240	267859	20.00	ng	-0.01
87) Perylene-d12	15.54	264	193621	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	331671	51.09	ng	0.00
7) Phenol-d6	6.52	99	361721	44.41	ng	0.00
23) Nitrobenzene-d5	7.45	82	187130	25.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	90249	40.26	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	439007	37.32	ng	-0.01
79) Terphenyl-d14	13.00	244	519643	39.77	ng	0.00
Target Compounds						
9) Benzaldehyde	6.66	77	6302	Below Cal		93
19) n-Nitroso-di-n-propylamine	7.45	70	25076	4.754 ng	#	80
25) Isophorone	7.45	82	187129	12.394 ng	#	65
50) Dimethylphthalate	9.64	163	59156	4.446 ng		98
57) 2,4-Dinitrotoluene	9.93	165	25258	7.009 ng	#	30
65) 4,6-Dinitro-2-methylphenol	10.72	198	142	7.385 ng	#	1
71) Phenanthrene	11.44	178	58945	3.455 ng		98
75) Fluoranthene	12.63	202	117625	6.319 ng		98
78) Pyrene	12.86	202	121940	6.510 ng		99
81) Benzo(a)anthracene	14.04	228	51928	3.290 ng	#	91
83) Chrysene	14.04	228	51928	3.379 ng		96
88) Benzo(b)fluoranthene	15.10	252	55334	4.517 ng	#	63
89) Benzo(k)fluoranthene	15.10	252	55334	5.251 ng	#	65
90) Benzo(a)pyrene	15.47	252	28625	2.702 ng	#	63

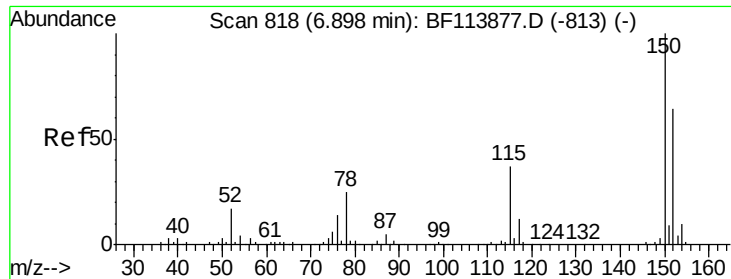
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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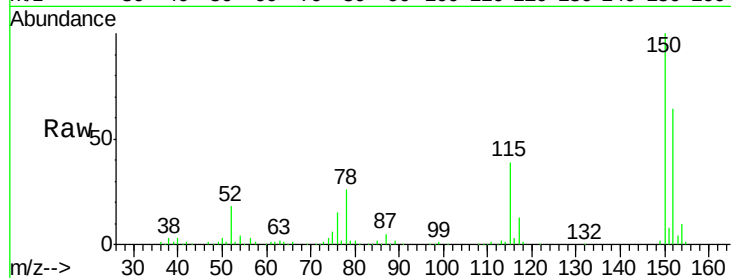


#1

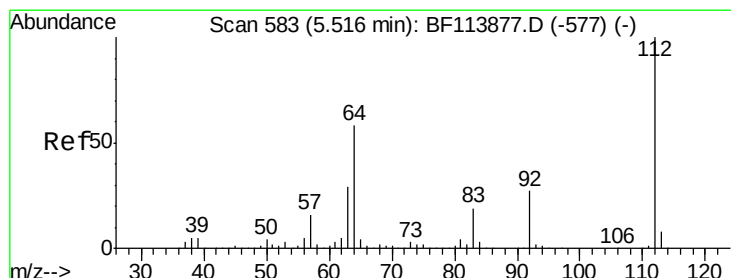
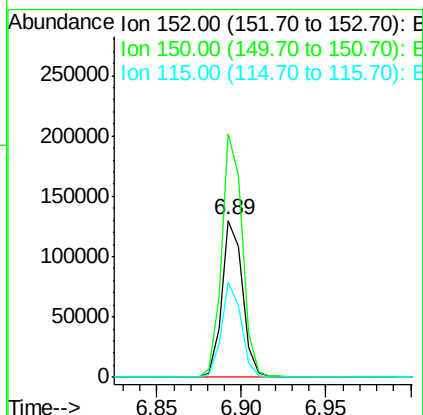
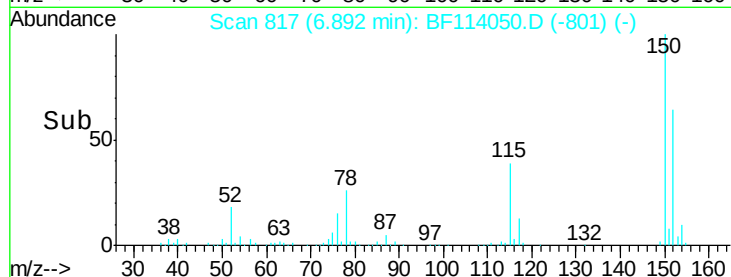
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111031
Ion Ratio Lower Upper
152 100
150 155.4 125.9 188.9
115 60.3 45.9 68.9



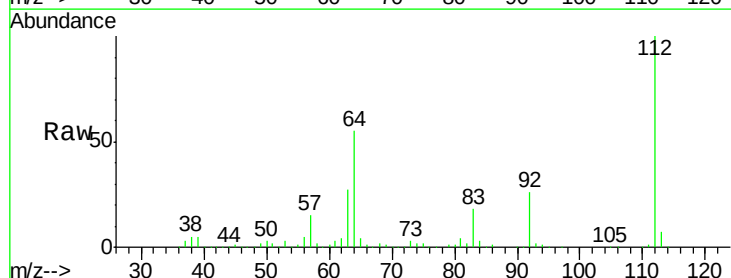
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



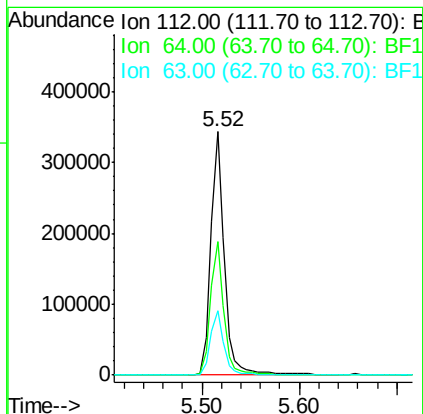
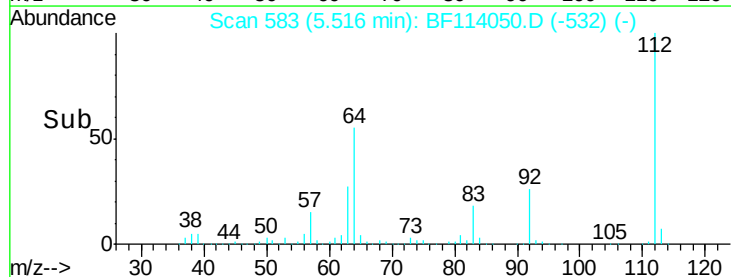
#5

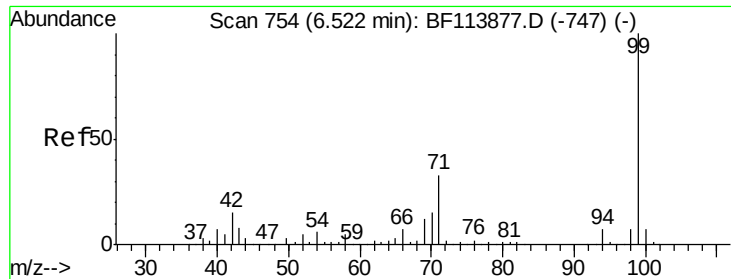
2-Fluorophenol
Concen: 51.092 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

Tgt Ion:112 Resp: 331671
Ion Ratio Lower Upper
112 100
64 55.0 46.6 69.8
63 26.6 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: 44.412 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

Instrument :

BNA_F

ClientSampleId :

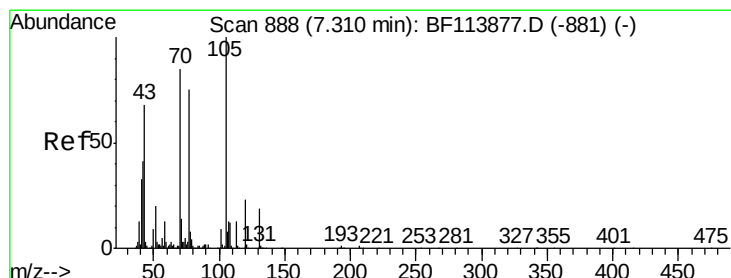
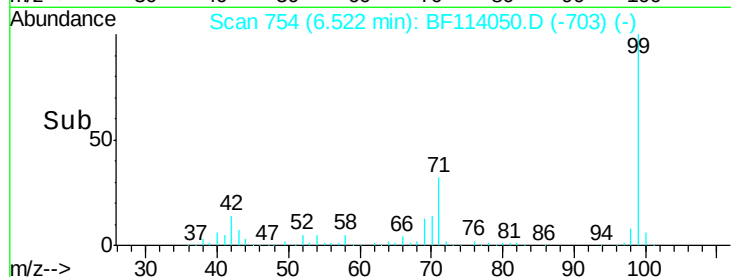
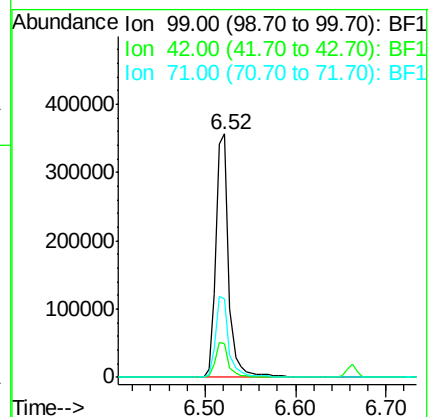
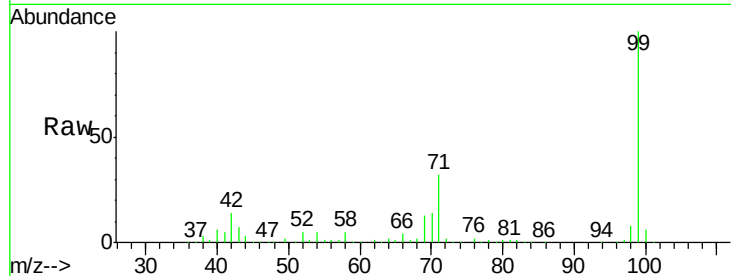
Tot Ion: 99 Resp: 361721

Ion Ratio Lower Upper

99 100

42 13.8 12.5 18.7

71 32.2 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 4.754 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

Tgt Ion: 70 Resp: 25076

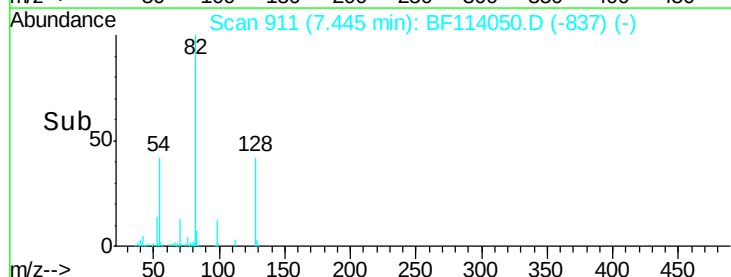
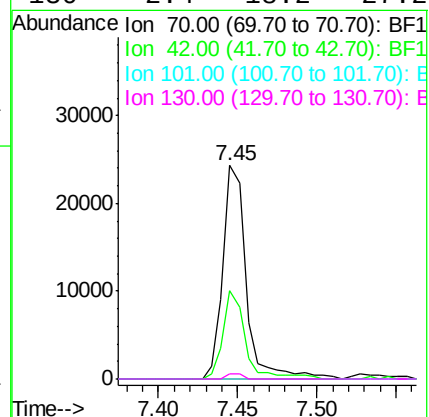
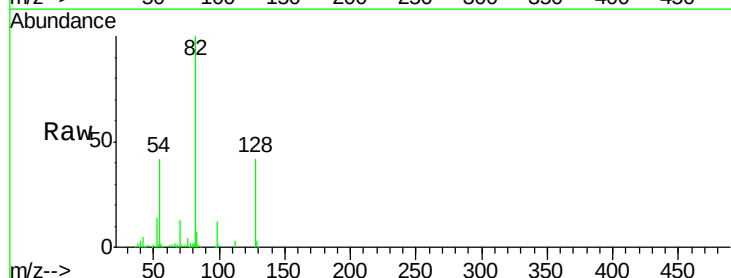
Ion Ratio Lower Upper

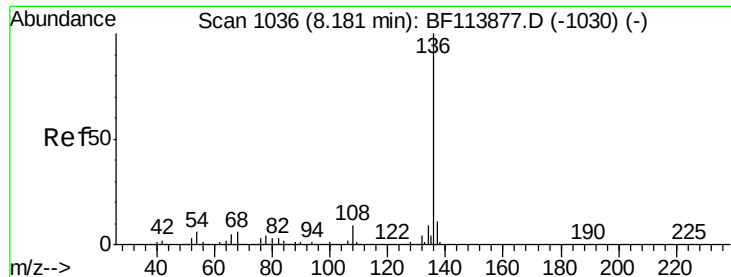
70 100

42 41.3 37.3 55.9

101 0.0 7.8 11.8#

130 2.4 18.2 27.2#

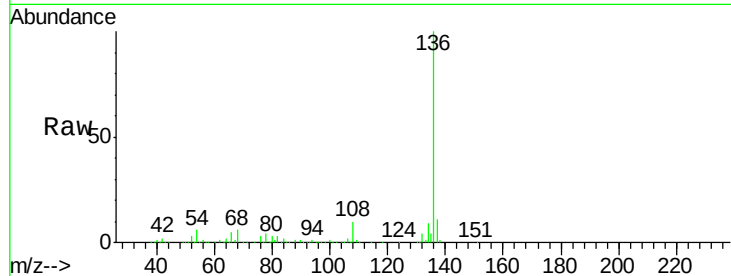




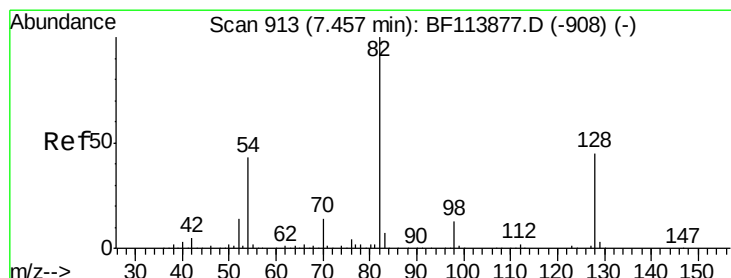
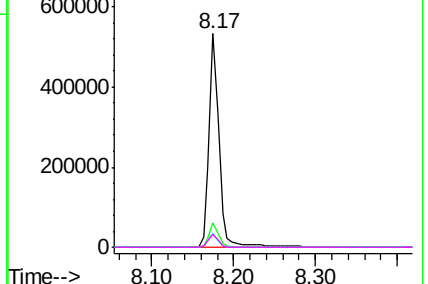
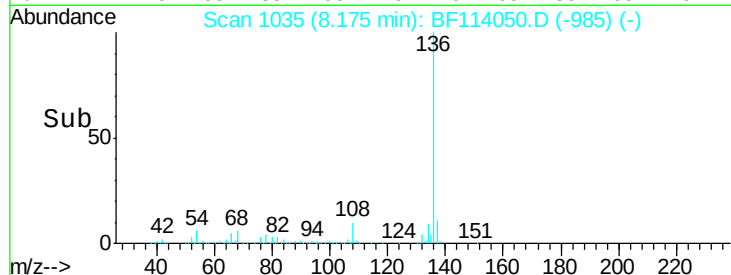
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	455591
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.6 12.8
54	6.4	5.0 7.6
68	6.3	4.9 7.3

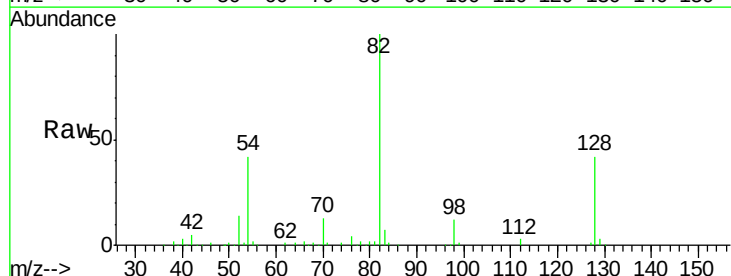


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

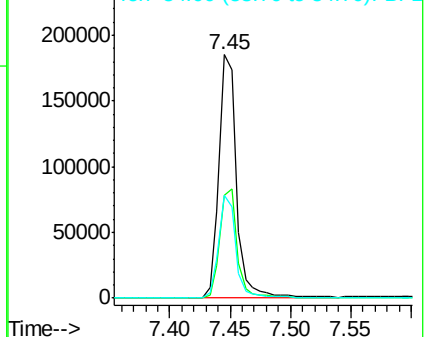
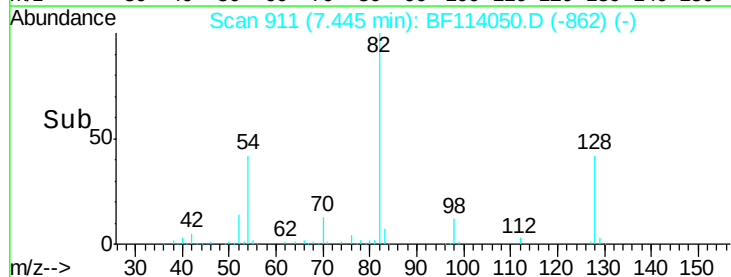


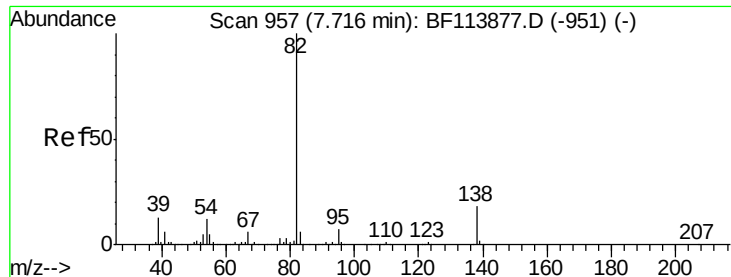
#23
Nitrobenzene-d5
Concen: 25.361 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

Tgt Ion: 82	Resp:	187130
Ion Ratio	Lower	Upper
82	100	
128	42.5	36.8 55.2
54	42.3	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: 12.394 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

Instrument :

BNA_F

ClientSampleId :

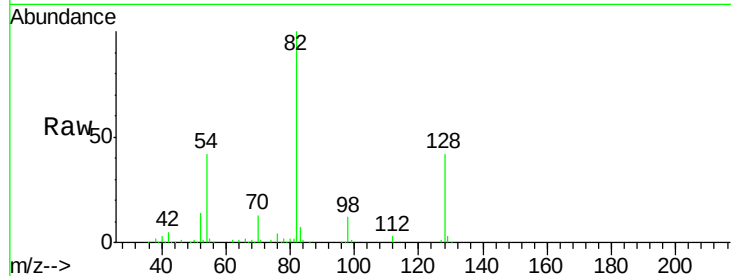
Tot Ion: 82 Resp: 187129

Ion Ratio Lower Upper

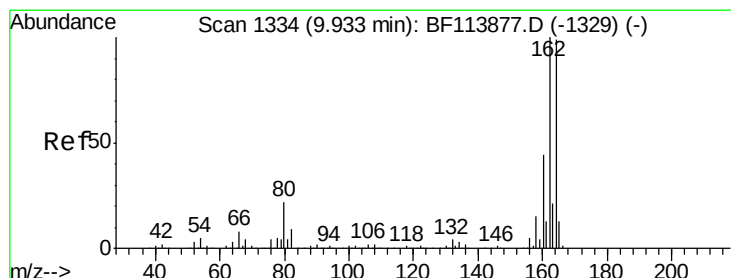
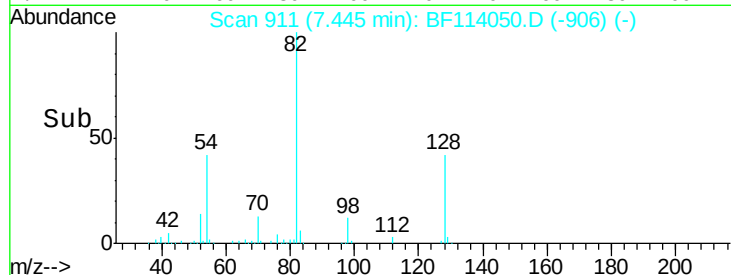
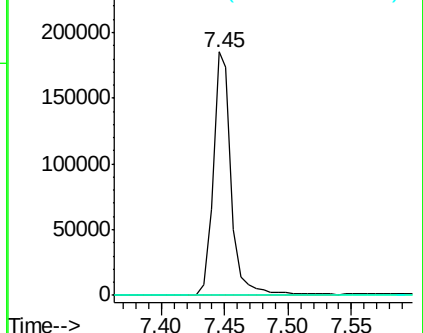
82 100

95 0.0 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: BF114050.D

Acq: 30 Apr 2019 18:49

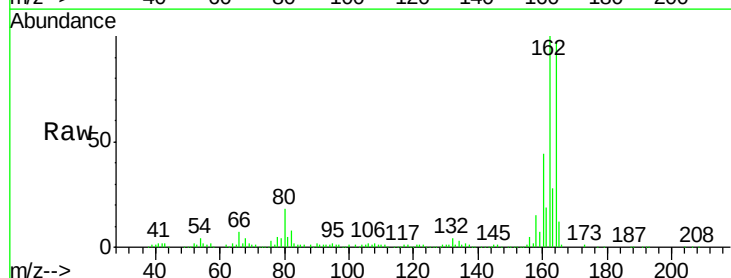
Tgt Ion:164 Resp: 183996

Ion Ratio Lower Upper

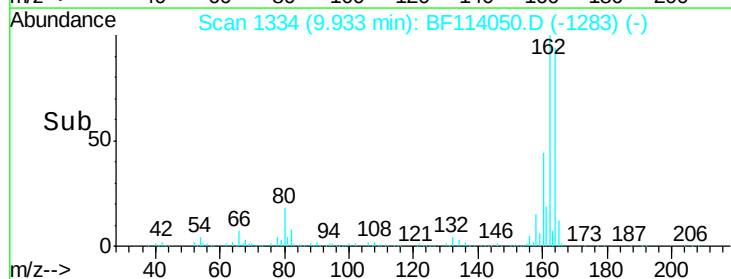
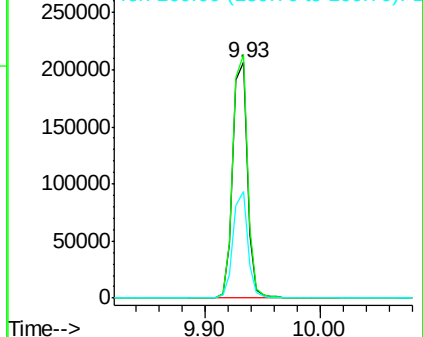
164 100

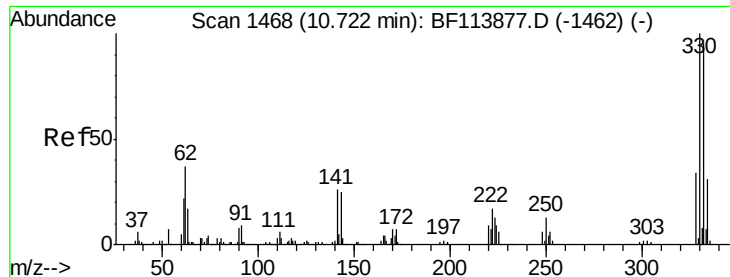
162 103.2 81.1 121.7

160 45.0 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 40.264 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

Instrument :

BNA_F

ClientSampleId :

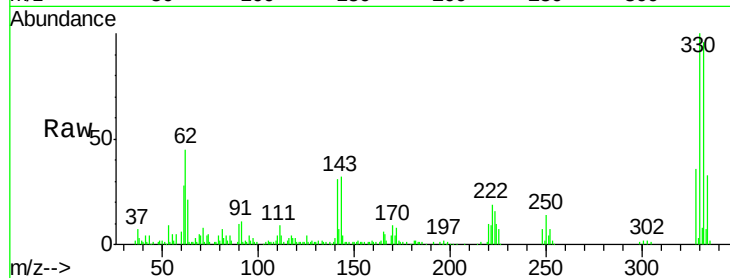
Tot Ion:330 Resp: 90249

Ion Ratio Lower Upper

330 100

332 95.2 77.5 116.3

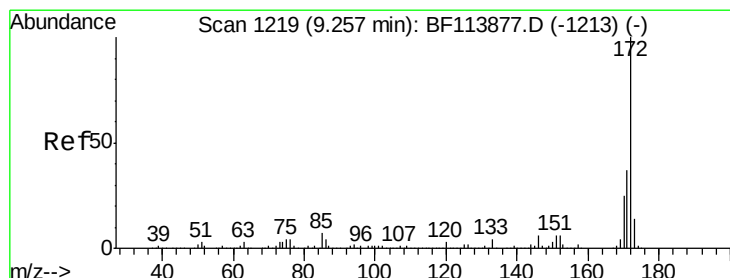
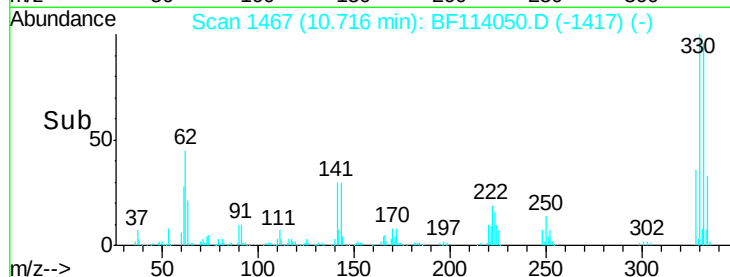
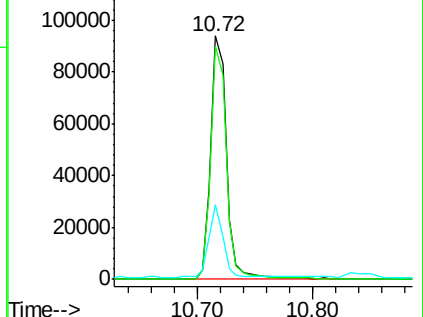
141 27.0 22.2 33.2



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: 37.317 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

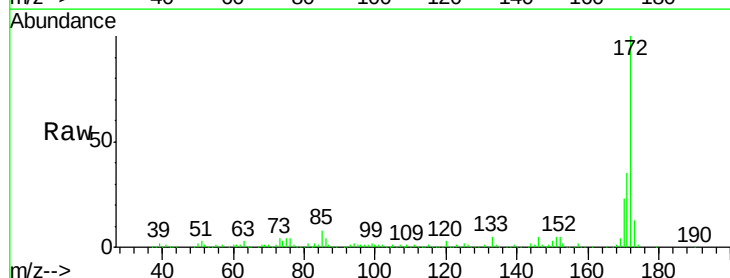
Tgt Ion:172 Resp: 439007

Ion Ratio Lower Upper

172 100

171 35.2 29.4 44.0

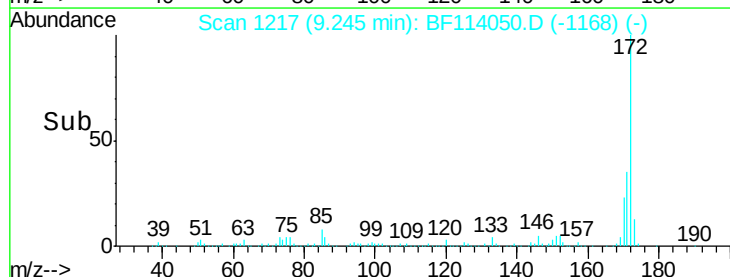
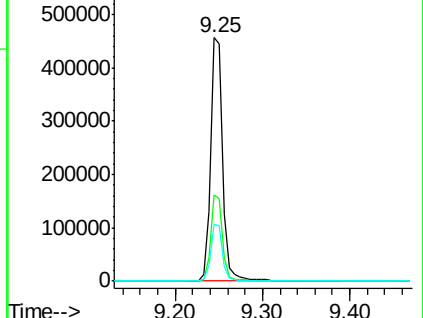
170 23.5 19.9 29.9

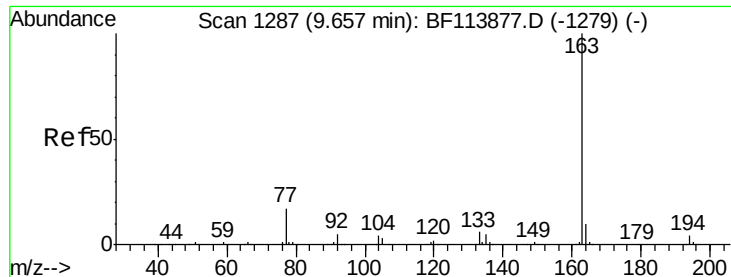


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.446 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

Instrument :

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ClientSampleId :

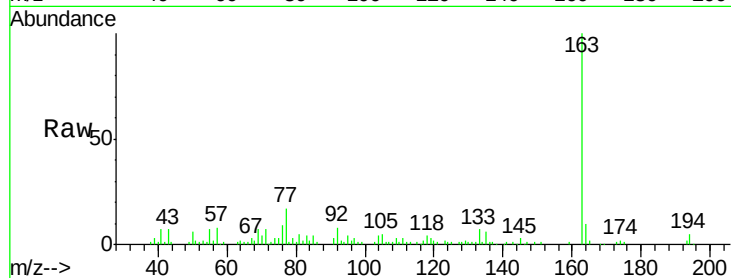
Tot Ion:163 Resp: 59156

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.2

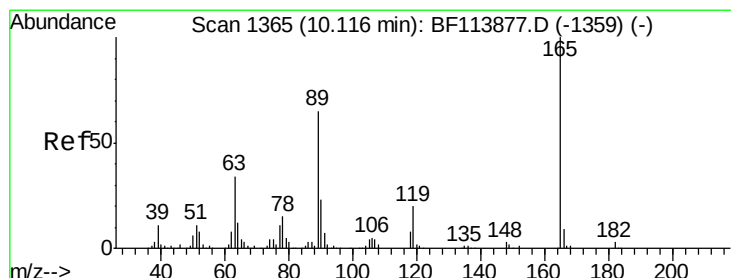
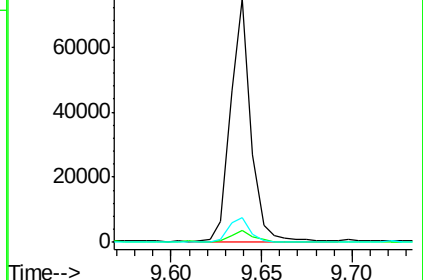
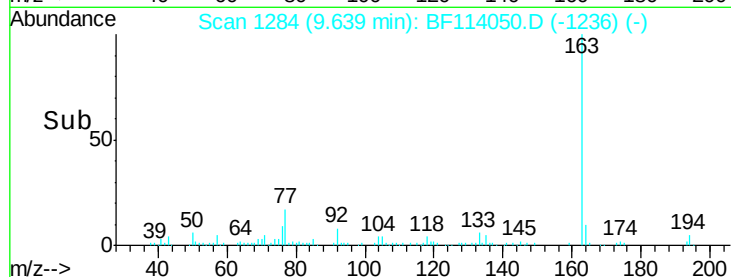
164 10.0 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 7.009 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

Tgt Ion:165 Resp: 25258

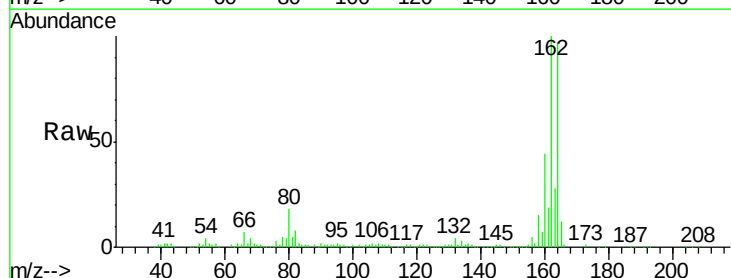
Ion Ratio Lower Upper

165 100

63 1.2 27.4 41.0#

89 2.2 51.8 77.6#

182 0.0 2.2 3.2#

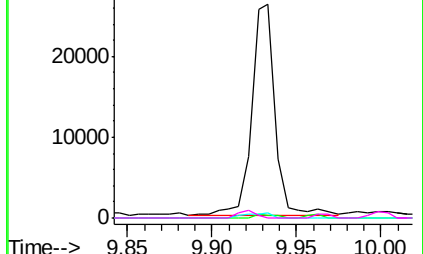
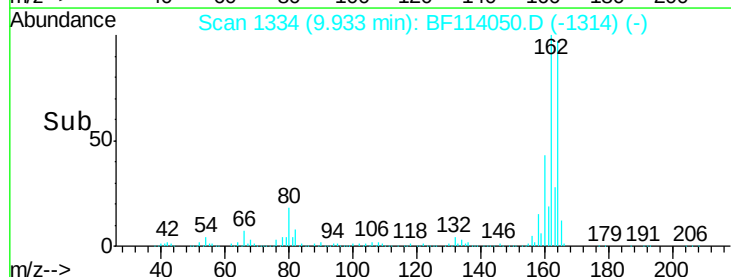


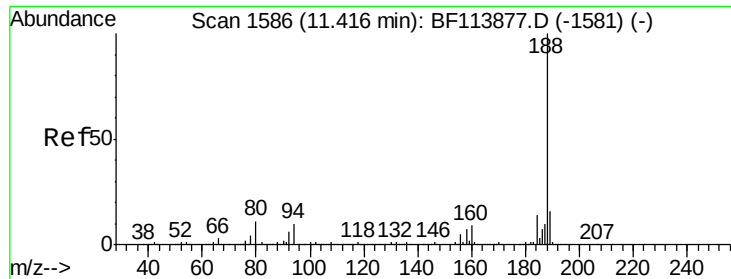
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

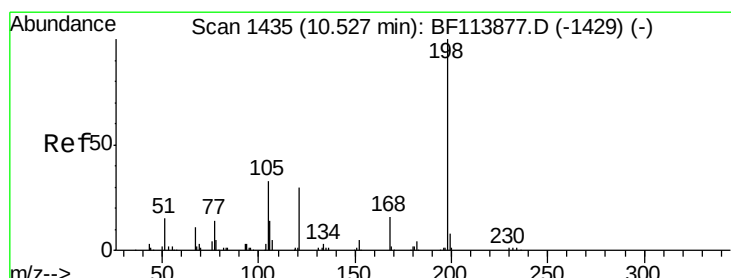
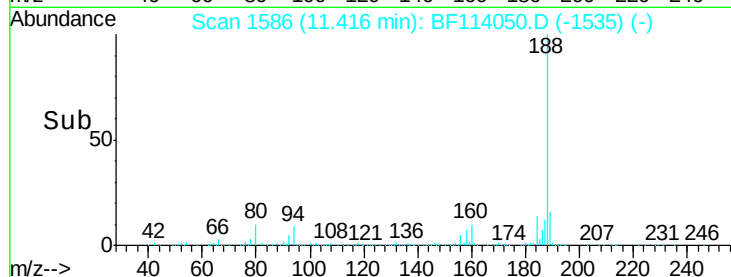
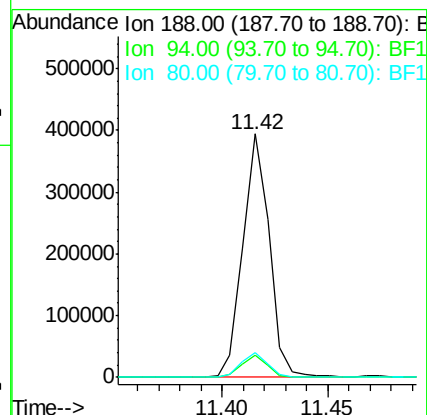
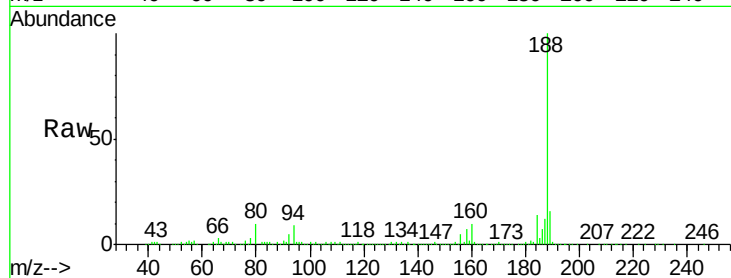




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

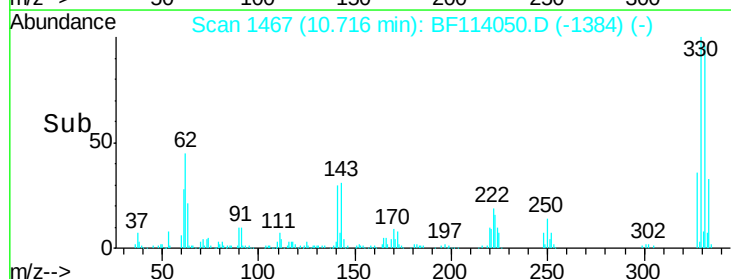
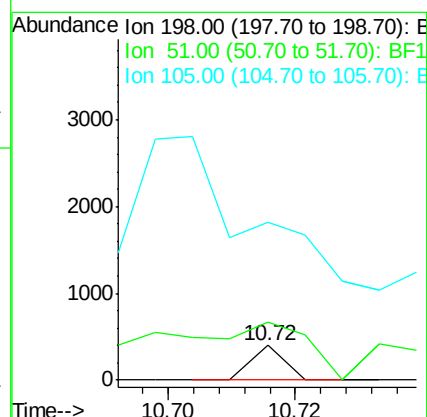
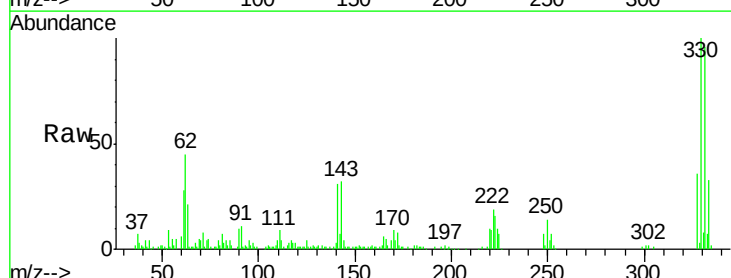
Instrument :
BNA_F
ClientSampleId :

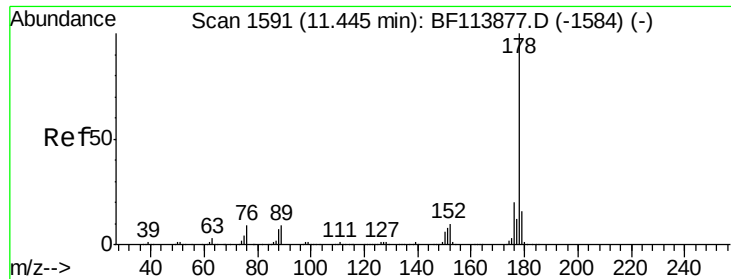
Tot Ion:188 Resp: 339517
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.4
80 10.4 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.385 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

Tgt Ion:198 Resp: 142
Ion Ratio Lower Upper
198 100
51 165.9 11.1 51.1#
105 452.7 20.7 60.7#





#71

Phenanthrene

Concen: 3.455 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

Instrument :

BNA_F

ClientSampleId :

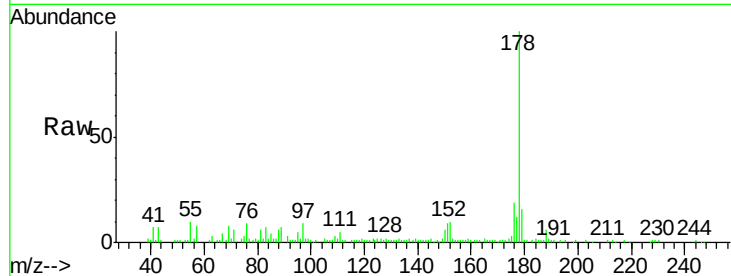
Tot Ion:178 Resp: 58945

Ion Ratio Lower Upper

178 100

176 19.2 16.1 24.1

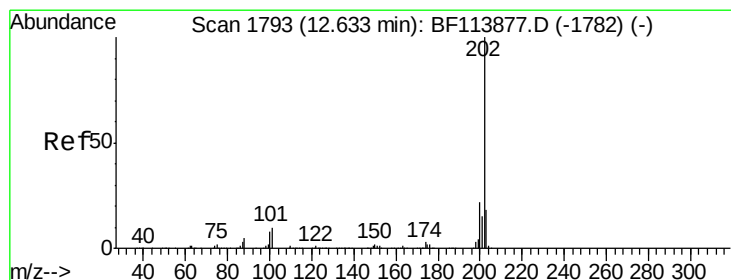
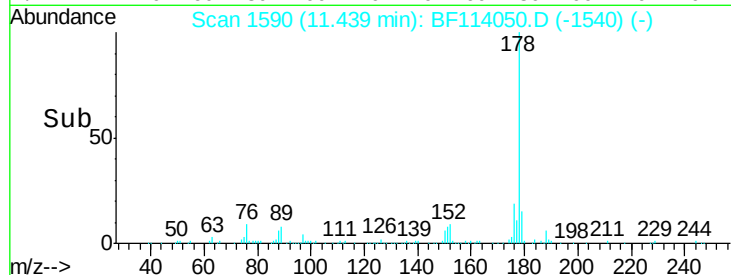
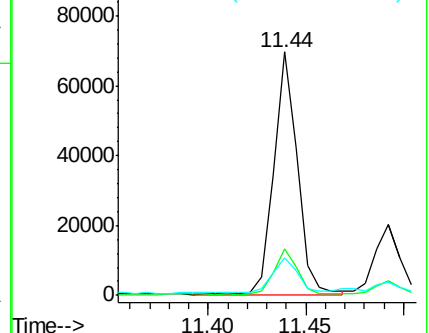
179 15.5 12.8 19.2



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: 6.319 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

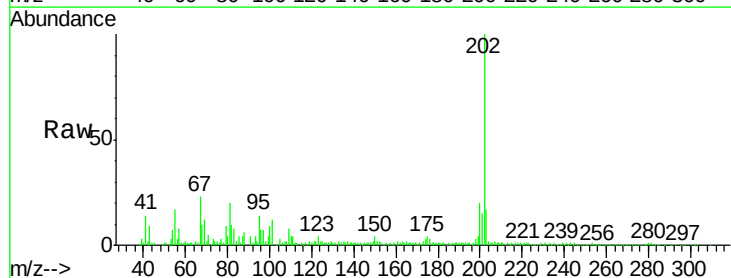
Tgt Ion:202 Resp: 117625

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.9

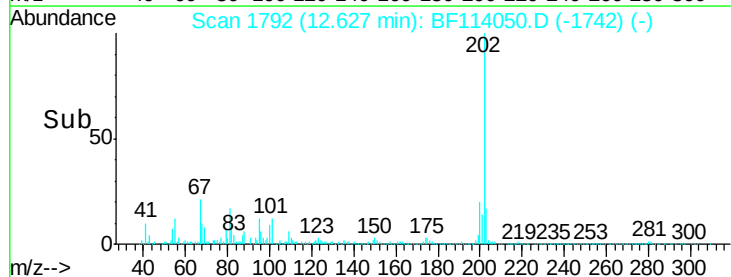
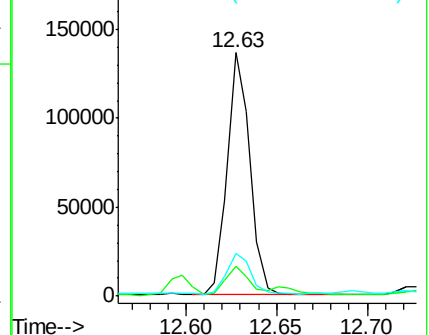
203 17.3 0.0 38.2

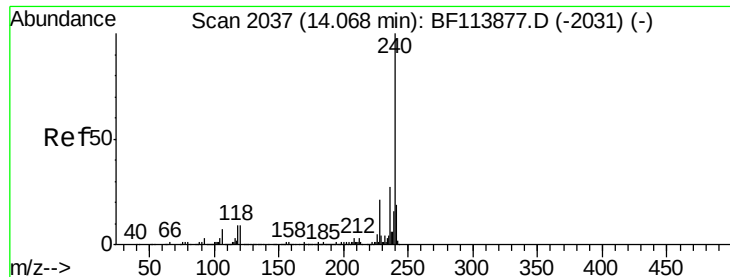


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

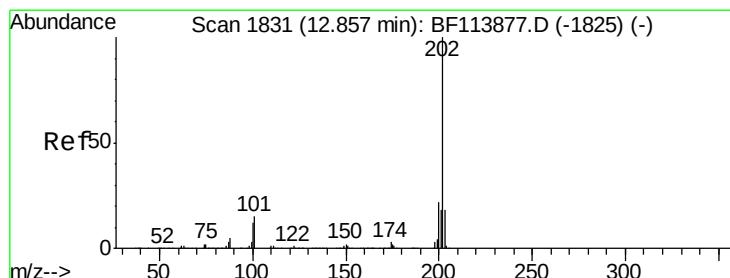
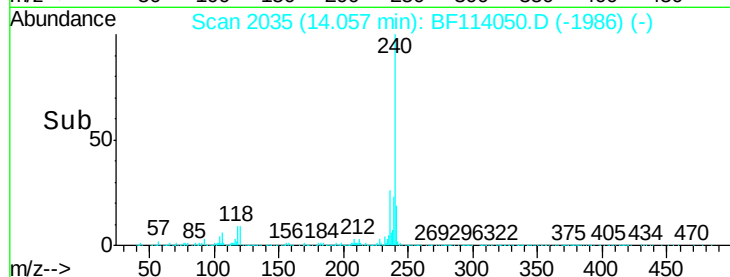
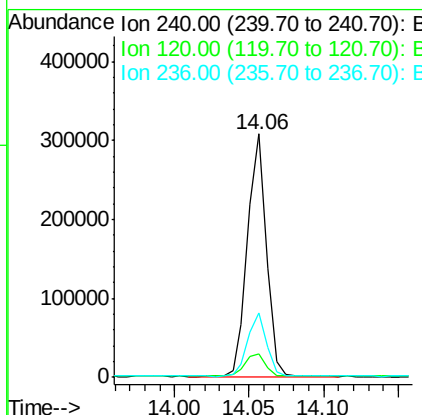
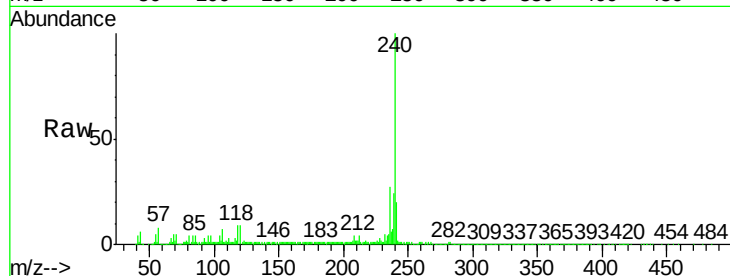




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

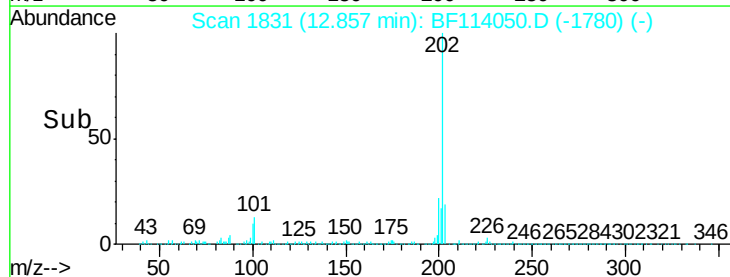
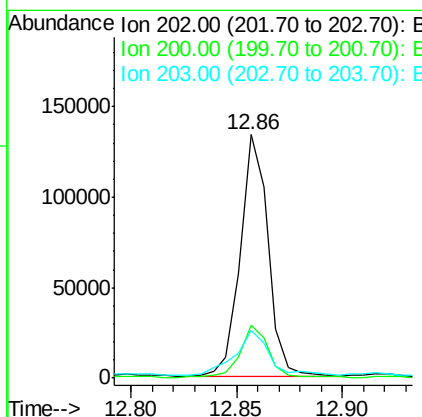
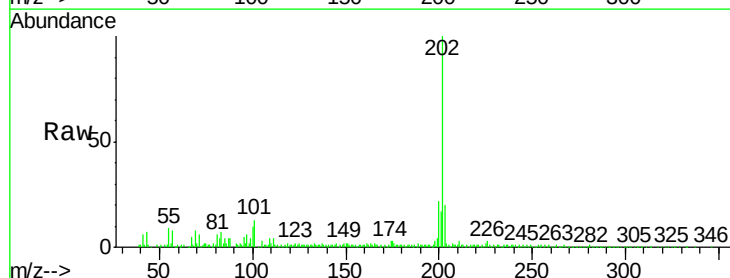
Instrument :
BNA_F
ClientSampleId :

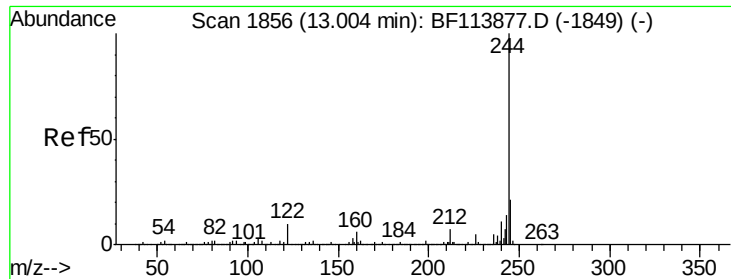
Tot Ion:240 Resp: 267859
Ion Ratio Lower Upper
240 100
120 9.5 9.3 13.9
236 26.5 21.2 31.8



#78
Pyrene
Concen: 6.510 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

Tgt Ion:202 Resp: 121940
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 19.7 15.0 22.6





#79

Terphenyl-d14

Concen: 39.772 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

Instrument :

BNA_F

ClientSampleId :

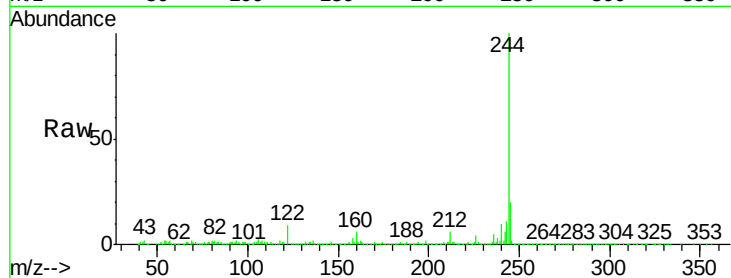
Tot Ion:244 Resp: 519643

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

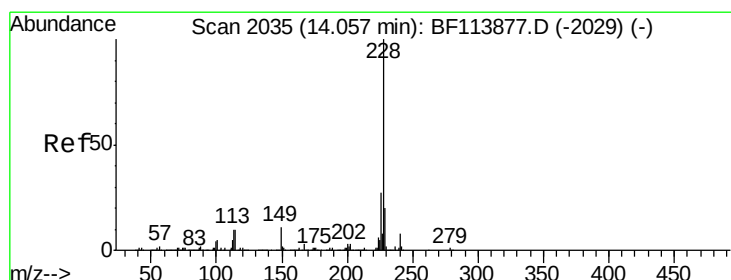
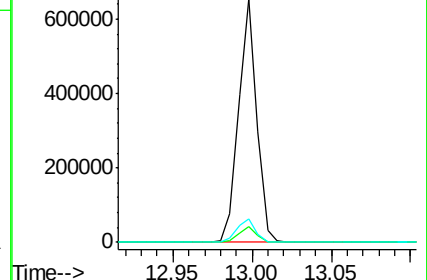
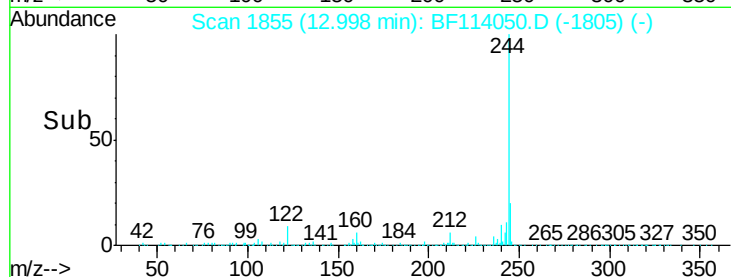
122 9.5 7.6 11.4



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: 3.290 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

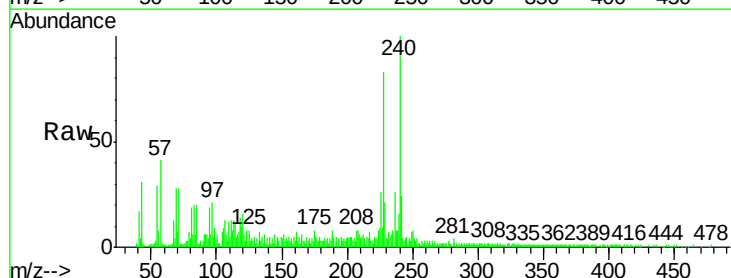
Tgt Ion:228 Resp: 51928

Ion Ratio Lower Upper

228 100

226 31.3 22.2 33.2

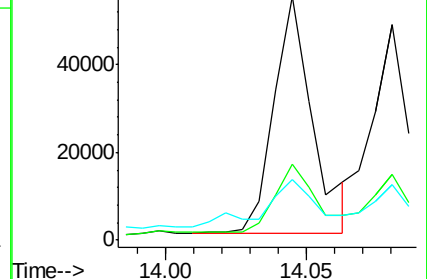
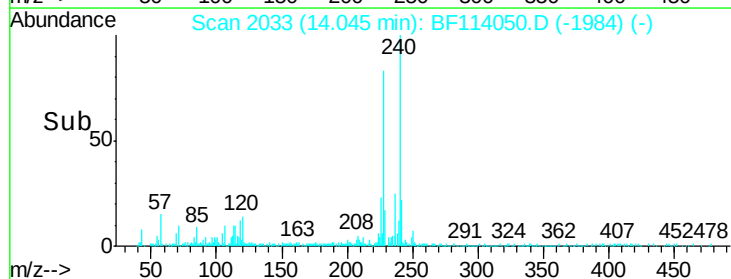
229 25.0 16.0 24.0#

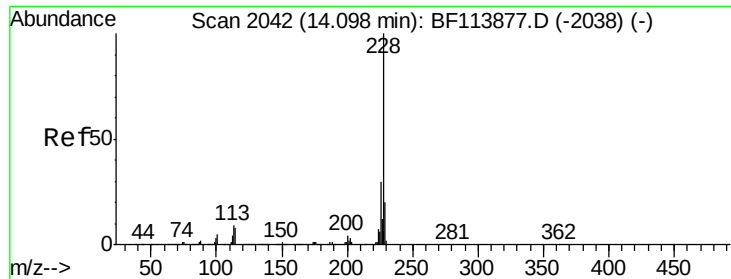


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

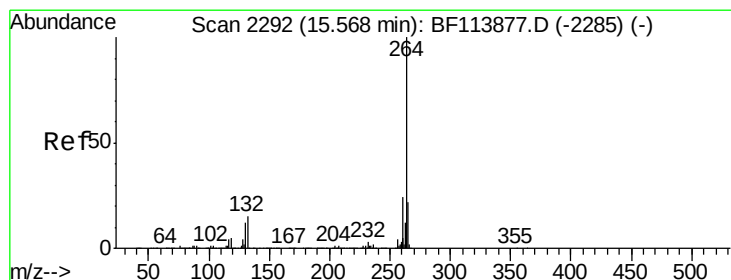
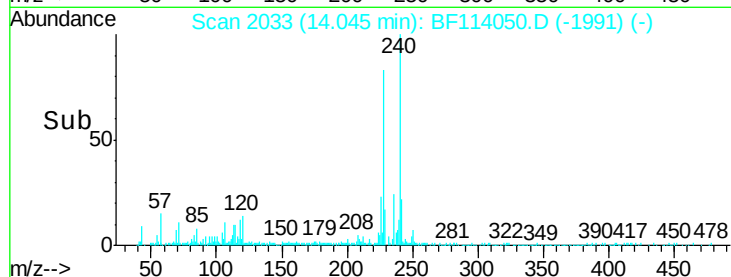
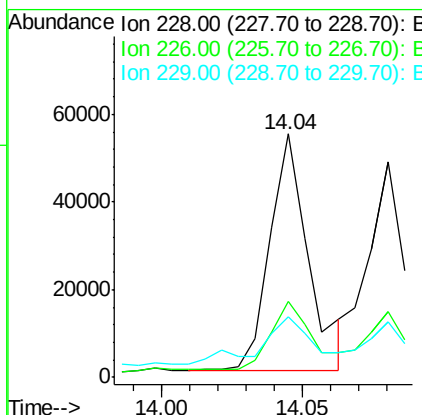
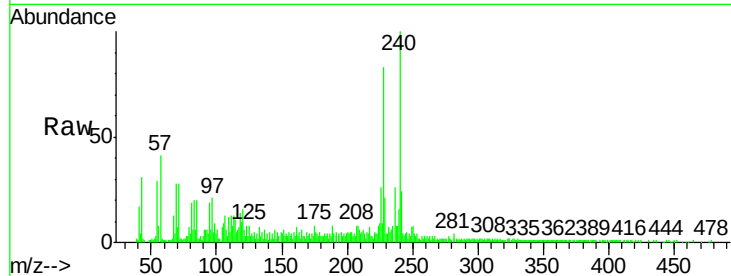




#83
Chrysene
Concen: 3.379 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.05 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

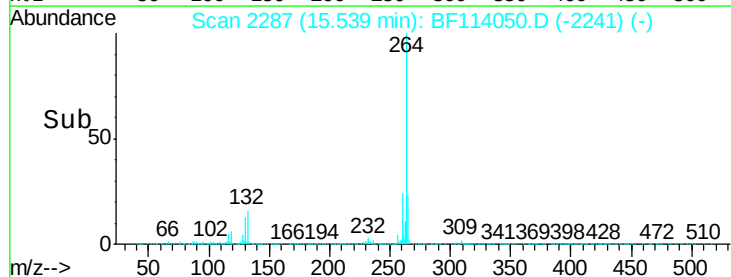
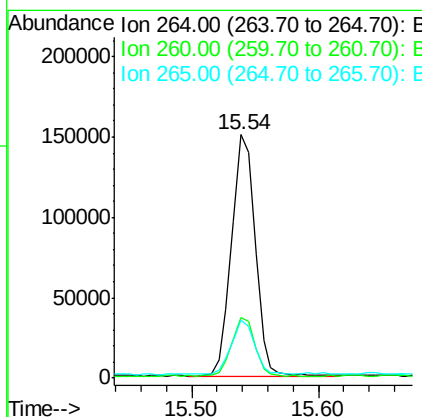
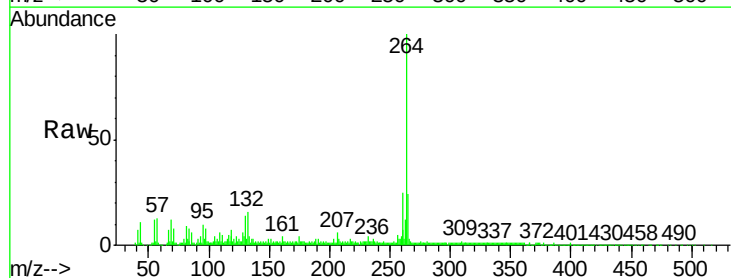
Instrument :
BNA_F
ClientSampleId :

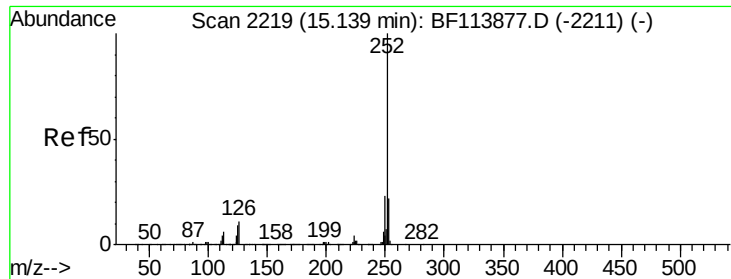
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.2	37.8
229	25.0	16.7	25.1



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.03 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.9	28.3
265	23.9	17.3	25.9

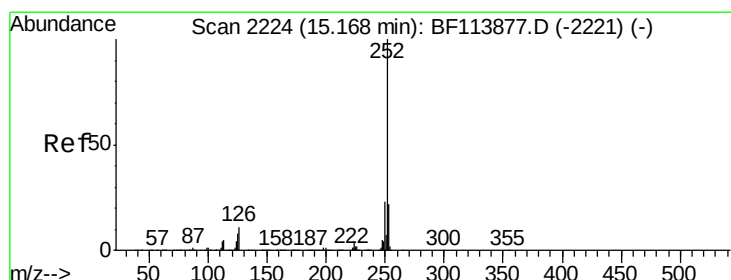
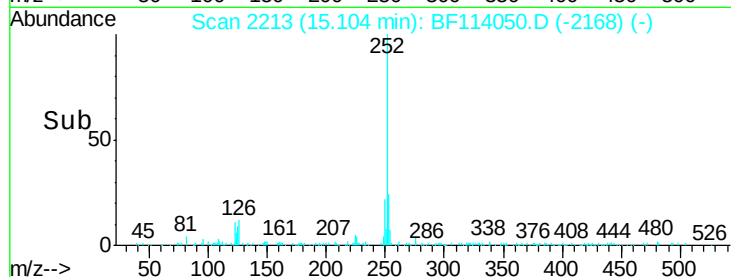
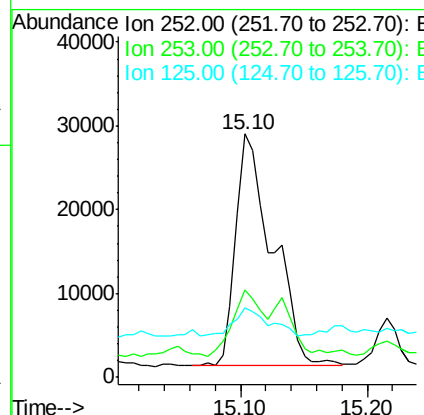
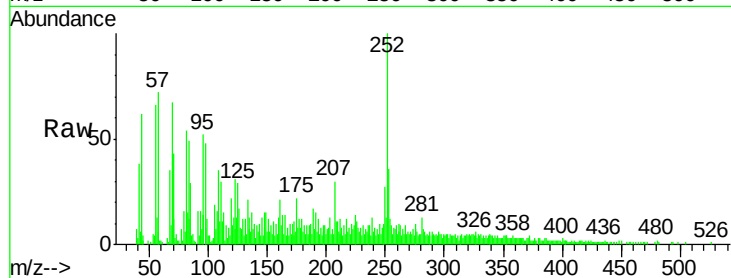




#88
Benzo(b)fluoranthene
Concen: 4.517 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

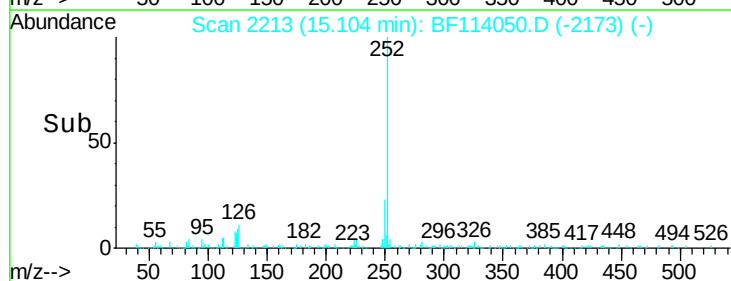
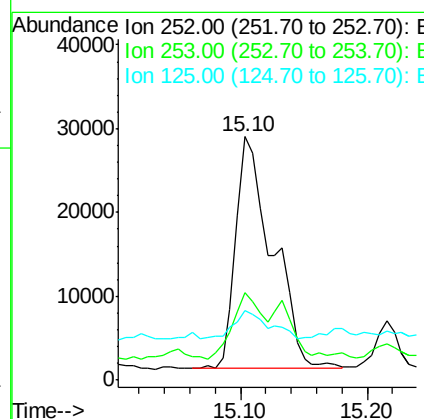
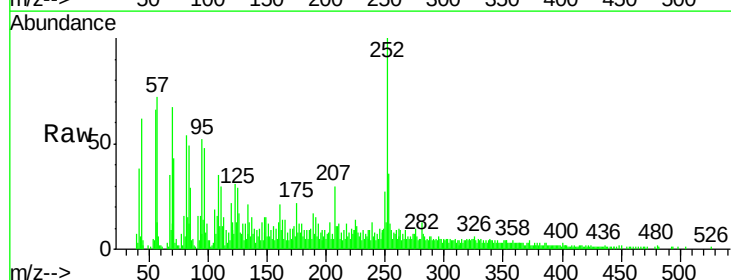
Instrument :
BNA_F
ClientSampleId :

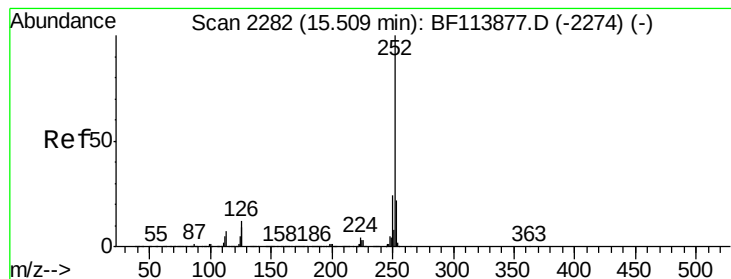
Tot Ion	Ratio	Lower	Upper
252	100		
253	36.2	17.8	26.6#
125	28.7	7.0	10.6#



#89
Benzo(k)fluoranthene
Concen: 5.251 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.06 min
Lab File: BF114050.D
Acq: 30 Apr 2019 18:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.2	18.2	27.2#
125	28.7	7.4	11.2#





#90

Benzo(a)pyrene

Concen: 2.702 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.04 min

Lab File: BF114050.D

Acq: 30 Apr 2019 18:49

Instrument :

BNA_F

ClientSampleId :

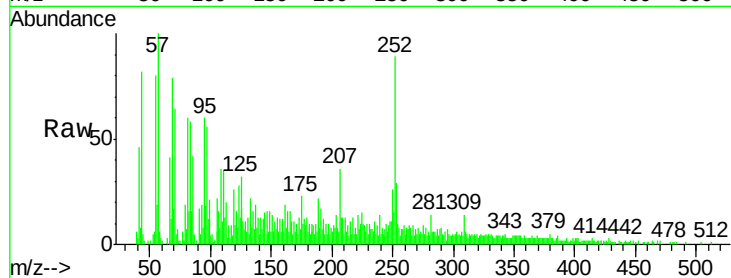
Tot Ion:252 Resp: 28625

Ion Ratio Lower Upper

252 100

253 32.8 17.5 26.3#

125 35.3 8.5 12.7#



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

