

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
 Data File : BF114049.D
 Acq On : 30 Apr 2019 18:23
 Operator : JU/SJ
 Sample : K2194-13 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 23:04:11 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	142113	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	433140	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	212239	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	489288	20.00	ng	0.00
76) Chrysene-d12	14.06	240	268080	20.00	ng	0.00
87) Perylene-d12	15.55	264	232469	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	338906	40.79	ng	0.00
7) Phenol-d6	6.52	99	557208	53.45	ng	0.00
23) Nitrobenzene-d5	7.45	82	246162	35.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	129535	50.10	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	532097	39.21	ng	0.00
79) Terphenyl-d14	13.01	244	709689	54.27	ng	0.00

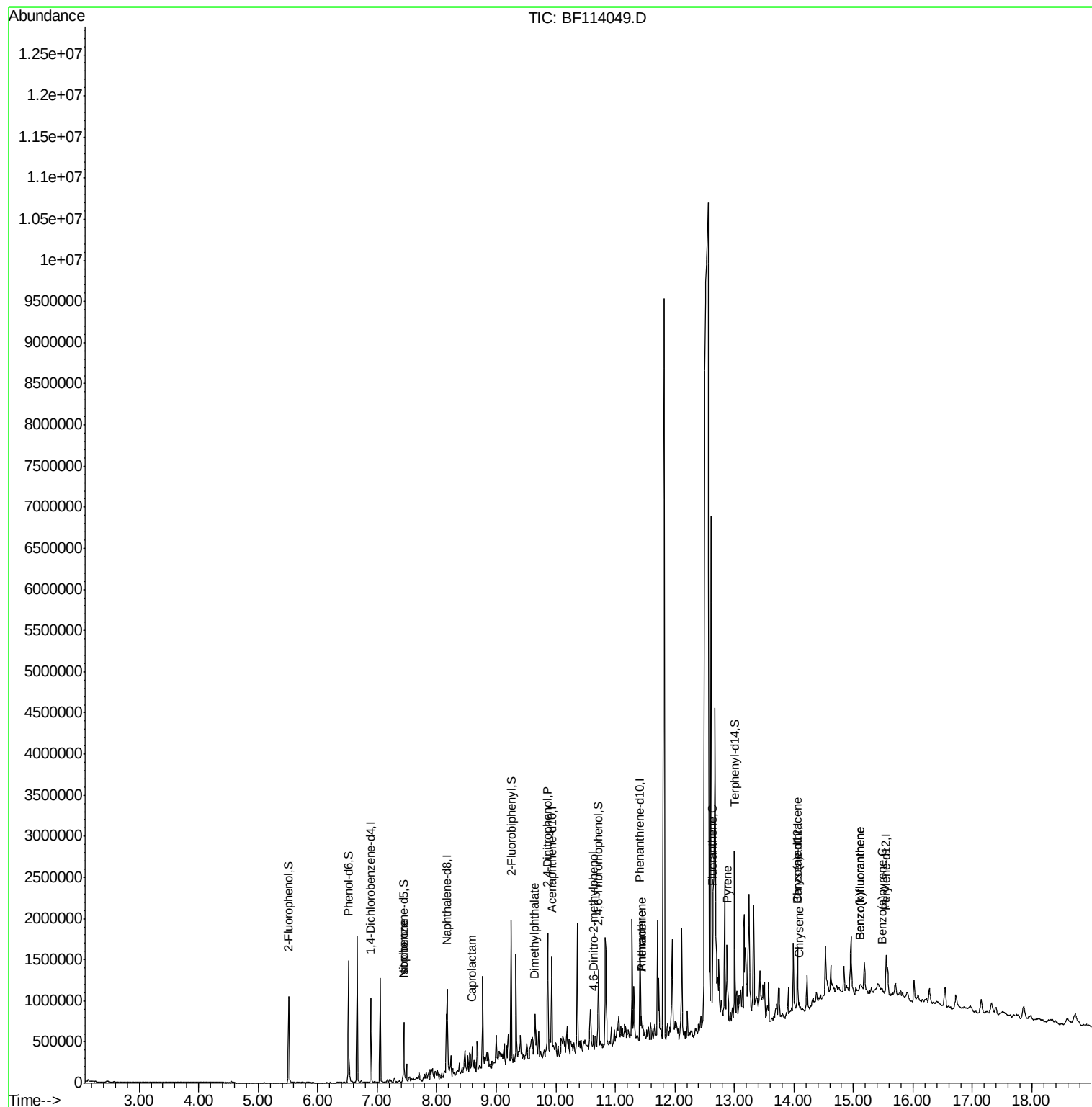
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	698	Below Cal		# 71
25) Isophorone	7.45	82	241504	16.825	ng	# 65
35) Caprolactam	8.60	113	6661	3.178	ng	# 1
50) Dimethylphthalate	9.64	163	73239	4.771	ng	# 98
54) 2,4-Dinitrophenol	9.86	184	115	8.391	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.63	198	246	7.401	ng	# 1
71) Phenanthrene	11.44	178	82315	3.348	ng	98
72) Anthracene	11.44	178	82315	3.315	ng	98
75) Fluoranthene	12.63	202	115044	4.288	ng	99
78) Pyrene	12.87	202	126642	6.755	ng	98
81) Benzo(a)anthracene	14.05	228	39372	2.493	ng	# 83
83) Chrysene	14.09	228	41573	2.703	ng	# 85
88) Benzo(b)fluoranthene	15.12	252	54029	3.673	ng	# 62
89) Benzo(k)fluoranthene	15.12	252	54029	4.271	ng	# 63
90) Benzo(a)pyrene	15.49	252	27665	2.175	ng	# 56

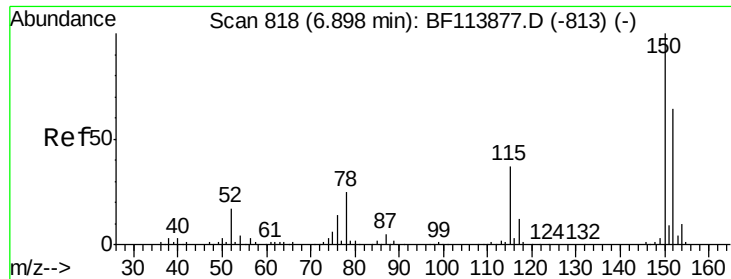
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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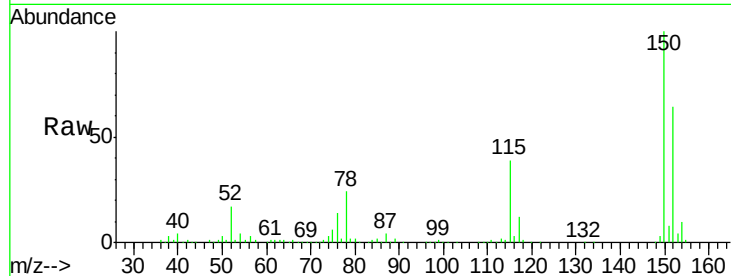


#1

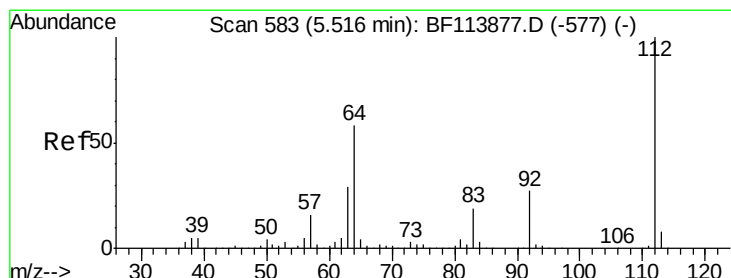
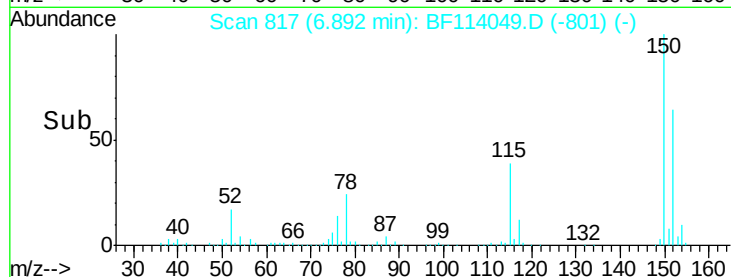
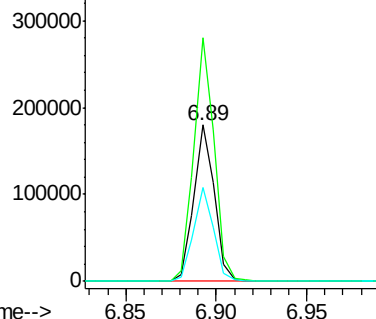
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114049.D
Acq: 30 Apr 2019 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142113
Ion Ratio Lower Upper
152 100
150 155.7 125.9 188.9
115 60.4 45.9 68.9



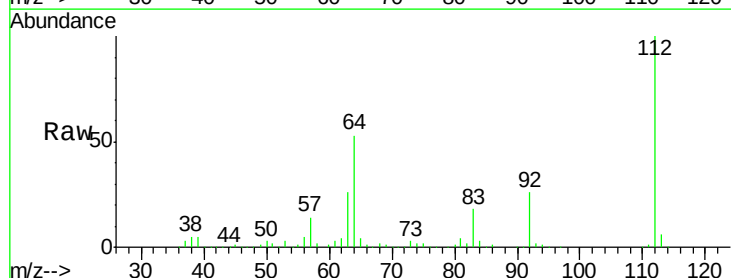
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



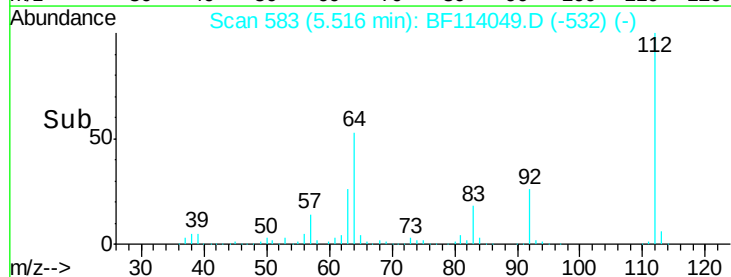
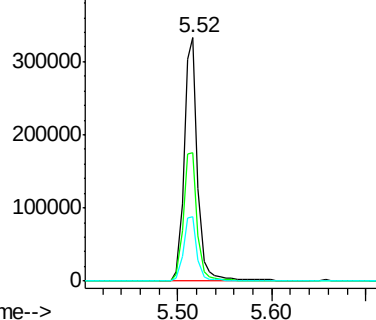
#5

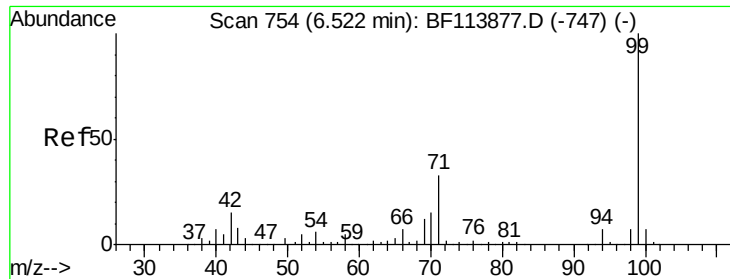
2-Fluorophenol
Concen: 40.788 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF114049.D
Acq: 30 Apr 2019 18:23

Tgt Ion:112 Resp: 338906
Ion Ratio Lower Upper
112 100
64 52.5 46.6 69.8
63 26.4 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: 53.451 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

Instrument :

BNA_F

ClientSampleId :

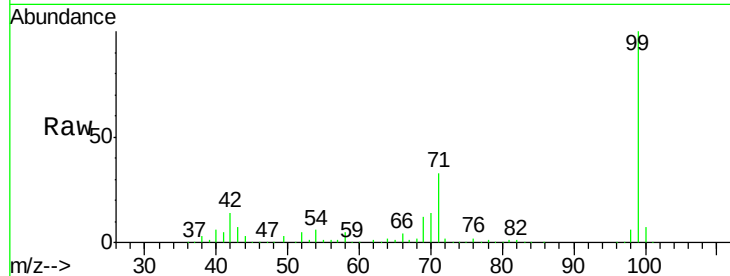
Tot Ion: 99 Resp: 557208

Ion Ratio Lower Upper

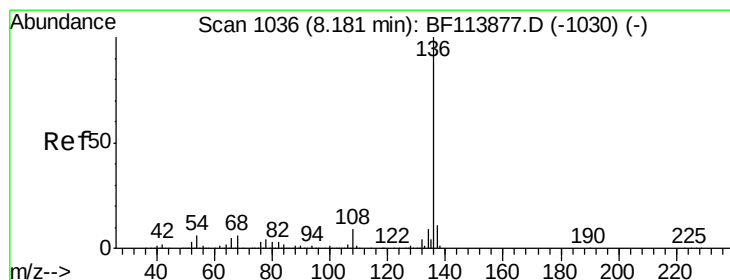
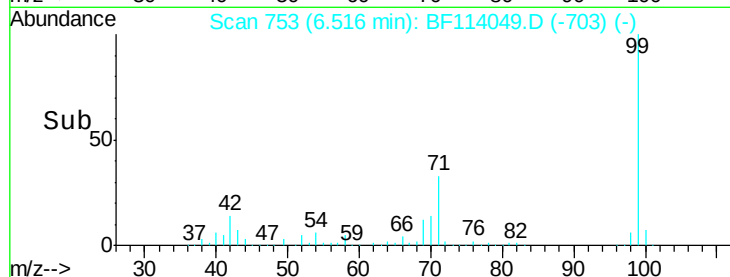
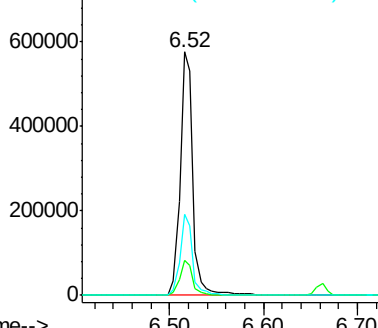
99 100

42 14.3 12.5 18.7

71 33.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

Tgt Ion: 136 Resp: 433140

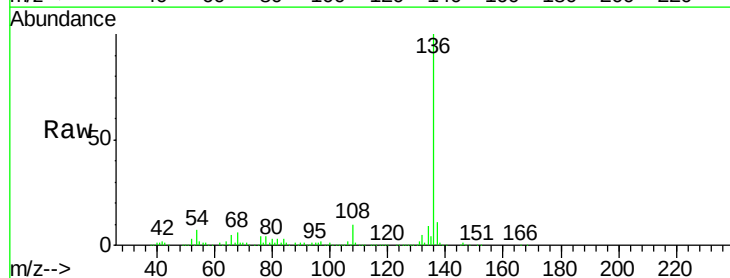
Ion Ratio Lower Upper

136 100

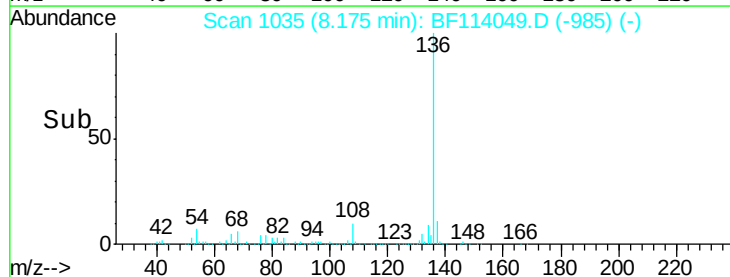
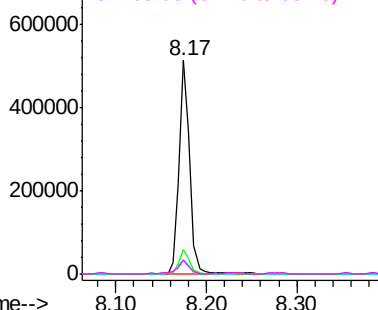
137 11.1 8.6 12.8

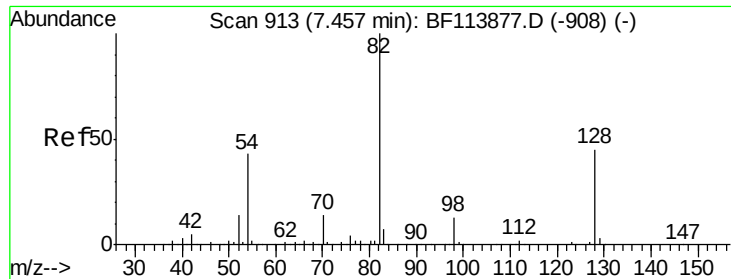
54 6.6 5.0 7.6

68 6.5 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

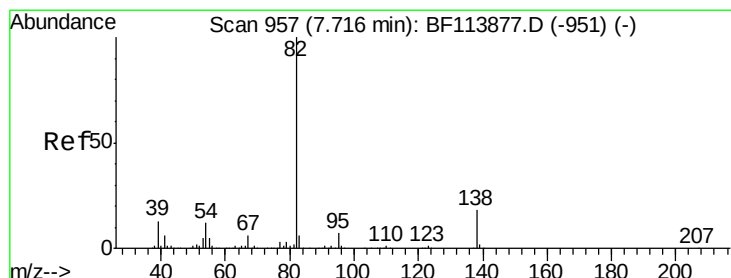
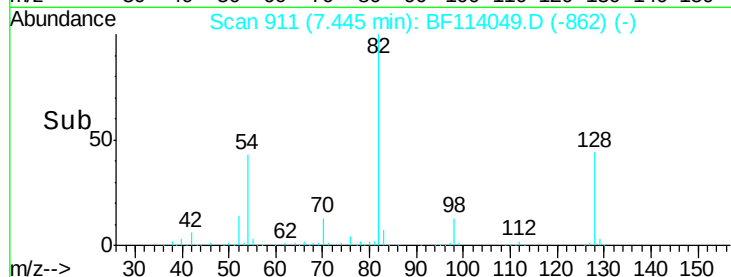
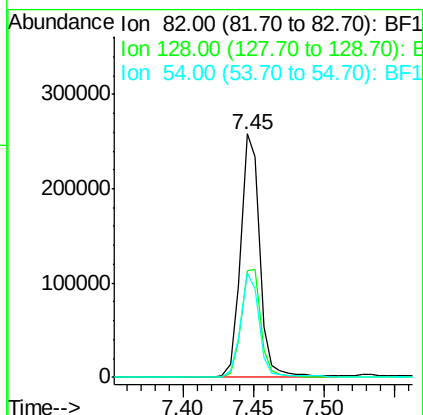
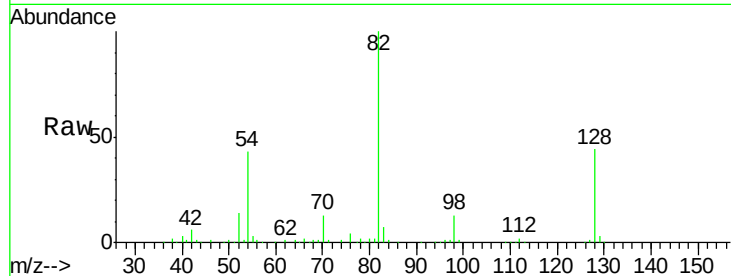




#23
Nitrobenzene-d5
Concen: 35.090 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF114049.D
Acq: 30 Apr 2019 18:23

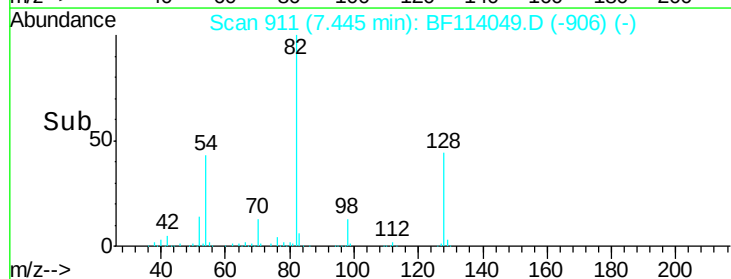
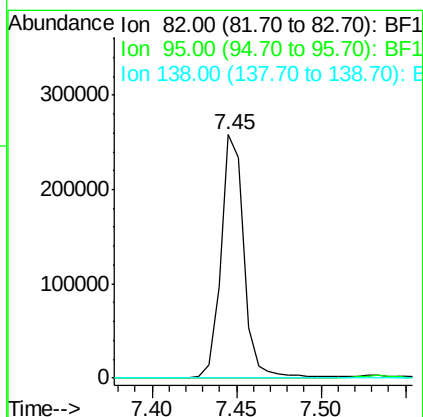
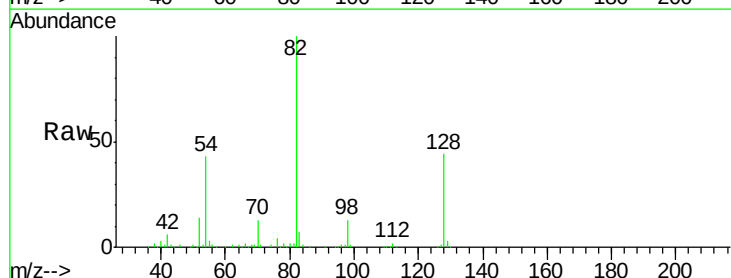
Instrument :
BNA_F
ClientSampleId :

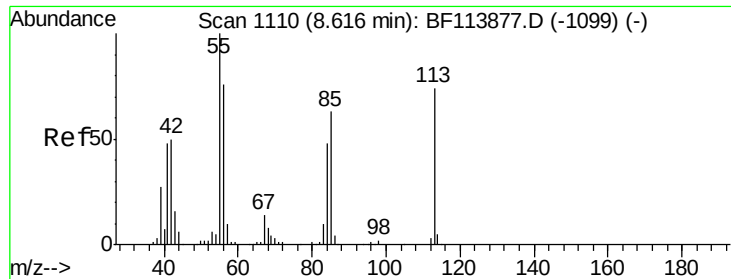
Tot Ion	82	Resp	246162
Ion Ratio	Lower	Upper	
82	100		
128	43.6	36.8	55.2
54	43.0	33.8	50.6



#25
Isophorone
Concen: 16.825 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.27 min
Lab File: BF114049.D
Acq: 30 Apr 2019 18:23

Tgt Ion	82	Resp	241504
Ion Ratio	Lower	Upper	
82	100		
95	0.4	5.4	8.2#
138	0.0	14.6	22.0#

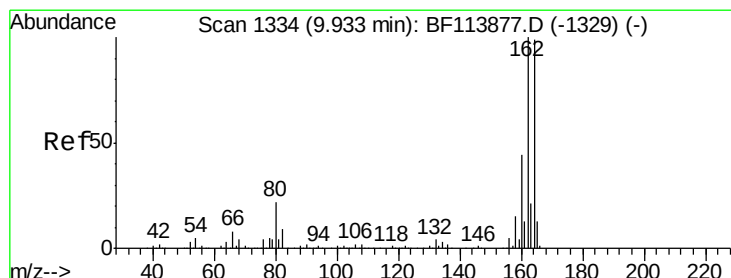
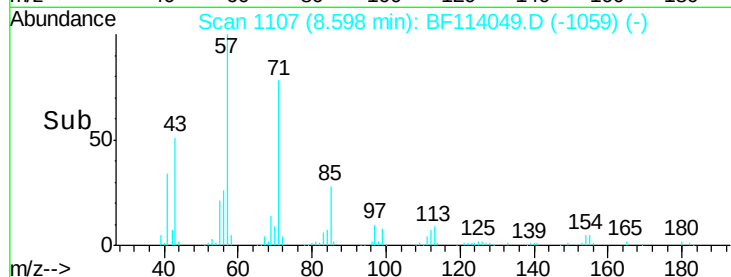
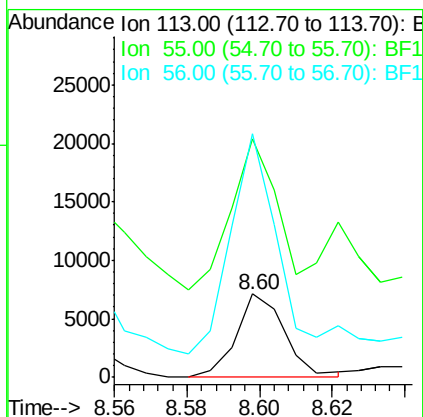
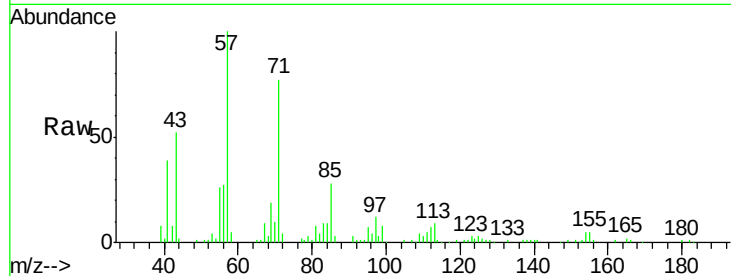




#35
 Caprolactam
 Concen: 3.178 ng
 RT: 8.60 min Scan# 1107
 Delta R.T. -0.02 min
 Lab File: BF114049.D
 Acq: 30 Apr 2019 18:23

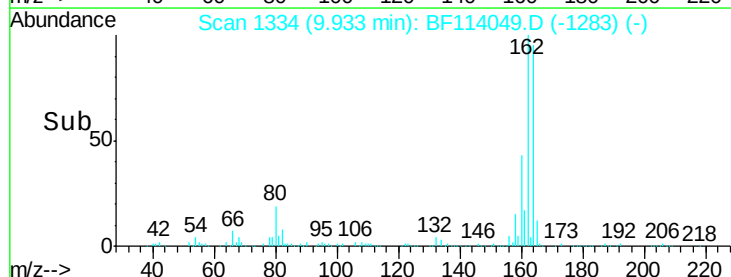
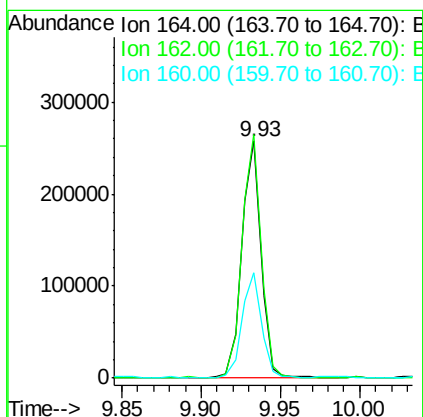
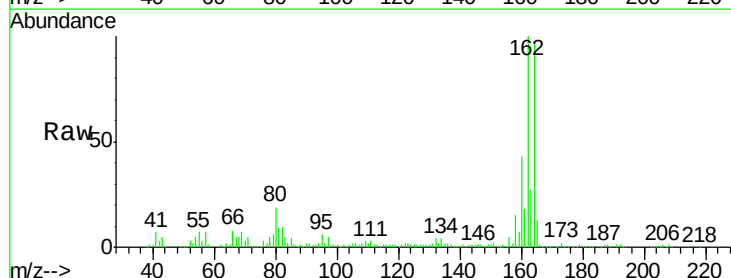
Instrument :
 BNA_F
 ClientSampleId :

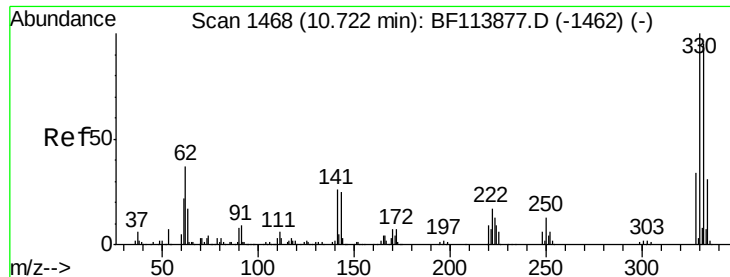
Tot Ion:113 Resp: 6661
 Ion Ratio Lower Upper
 113 100
 55 285.5 128.6 168.6#
 56 292.2 91.9 131.9#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF114049.D
 Acq: 30 Apr 2019 18:23

Tgt Ion:164 Resp: 212239
 Ion Ratio Lower Upper
 164 100
 162 102.9 81.1 121.7
 160 44.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 50.100 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF114049.D

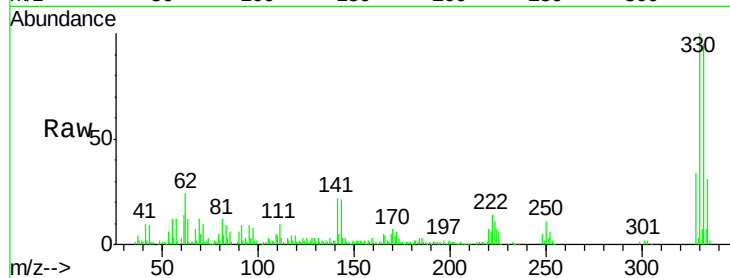
Acq: 30 Apr 2019 18:23

Instrument :

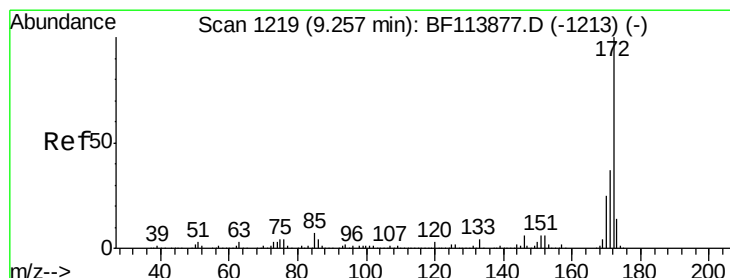
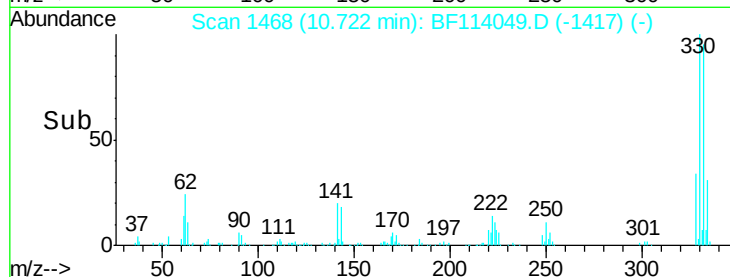
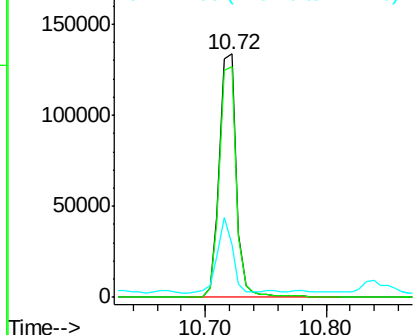
BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	129535
Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.5	116.3
141	27.3	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: 39.211 ng

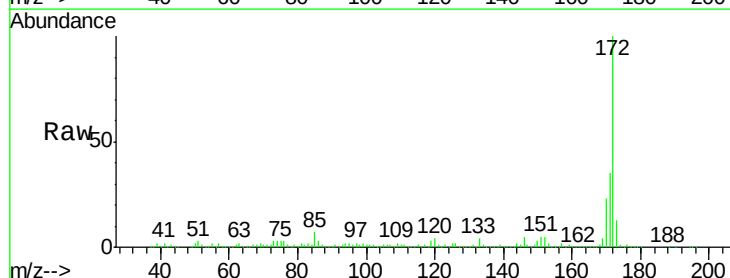
RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

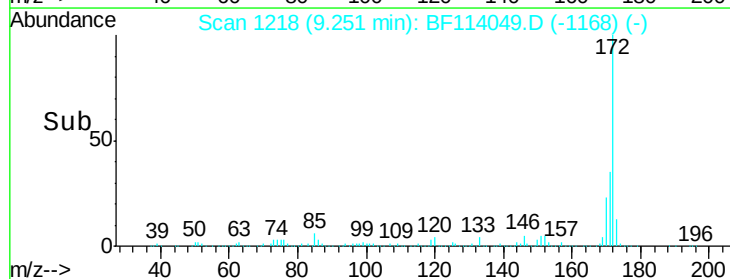
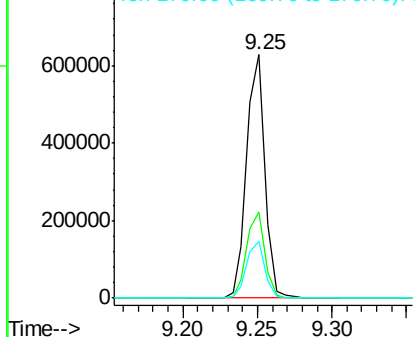
Lab File: BF114049.D

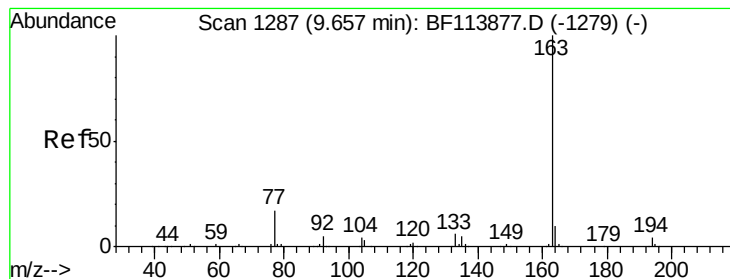
Acq: 30 Apr 2019 18:23

Tgt Ion:	172	Resp:	532097
Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.4	44.0
170	23.3	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: 4.771 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

Instrument :

BNA_F

ClientSampleId :

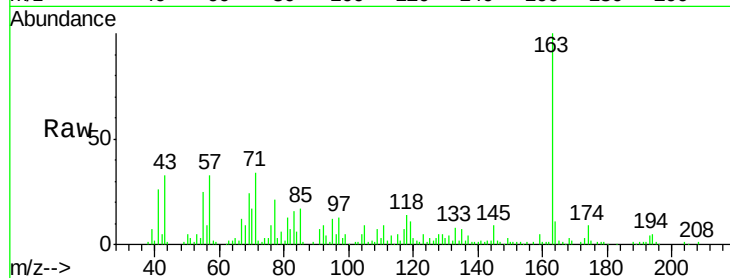
Tot Ion:163 Resp: 73239

Ion Ratio Lower Upper

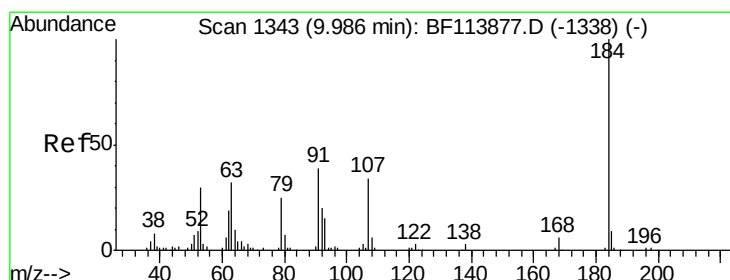
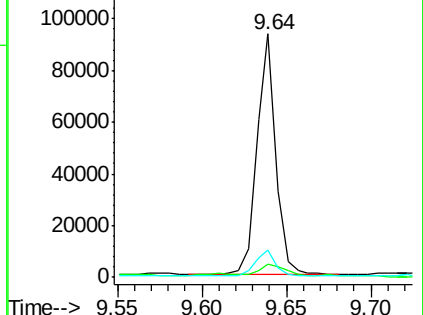
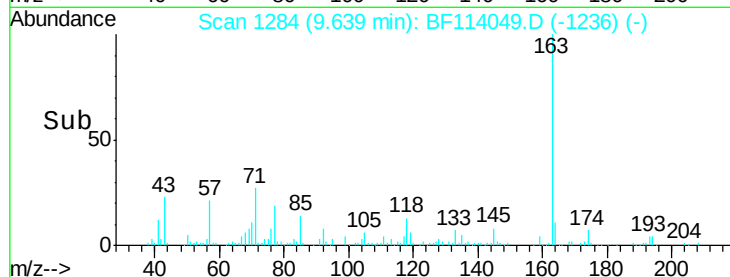
163 100

194 5.4 3.4 5.2#

164 11.0 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



#54

2,4-Dinitrophenol

Concen: 8.391 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.12 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

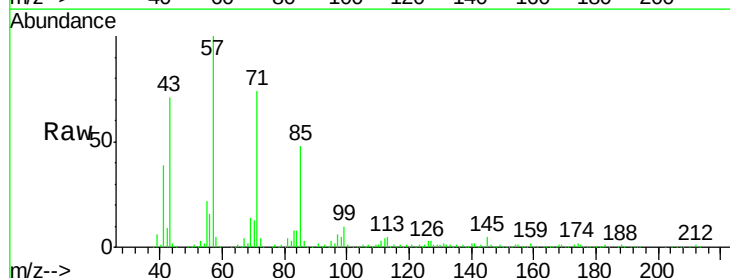
Tgt Ion:184 Resp: 115

Ion Ratio Lower Upper

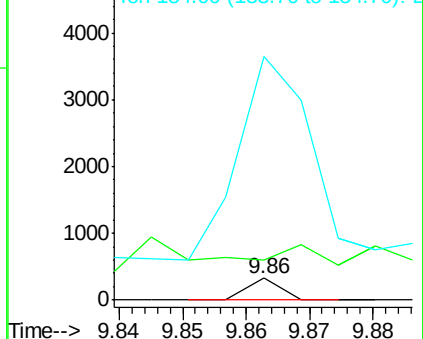
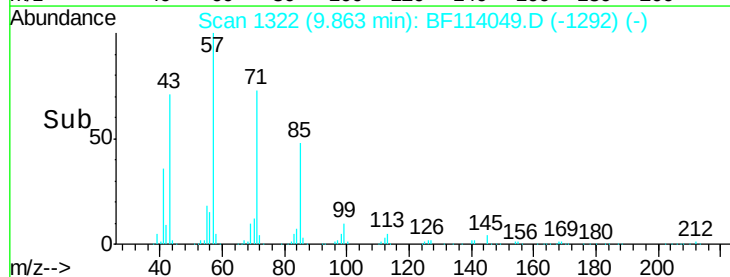
184 100

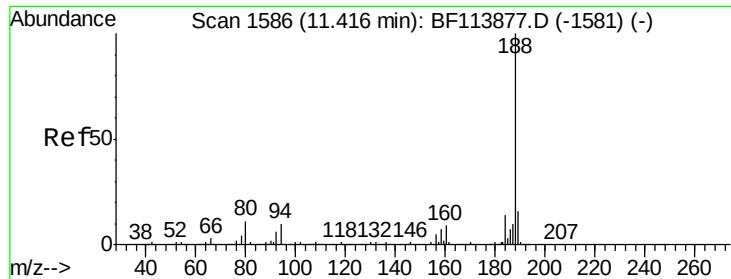
63 183.4 54.6 81.8#

154 1117.8 218.6 328.0#



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

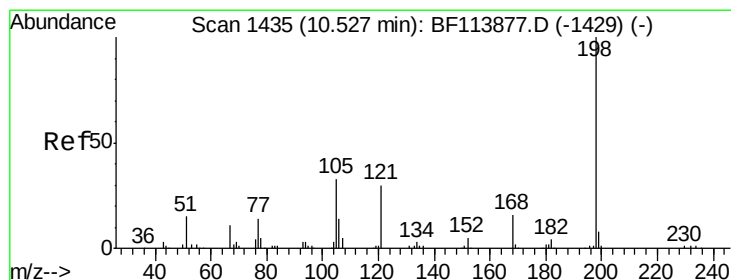
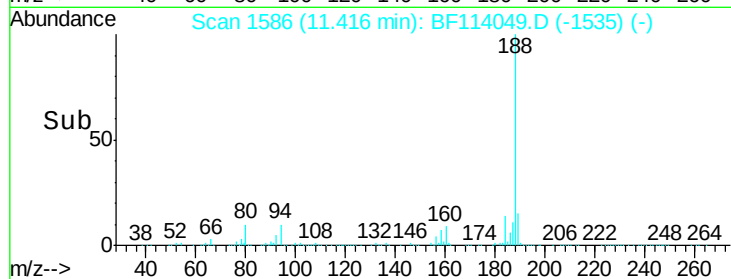
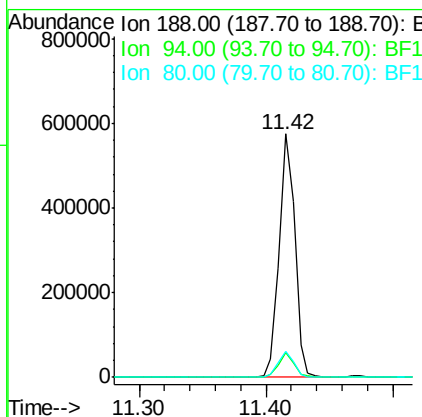
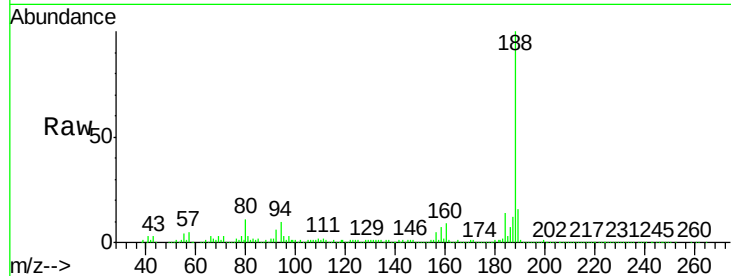




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF114049.D
Acq: 30 Apr 2019 18:23

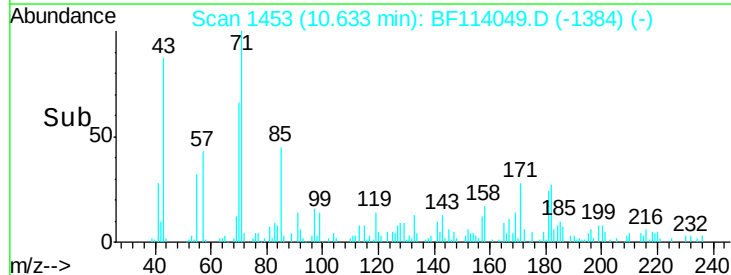
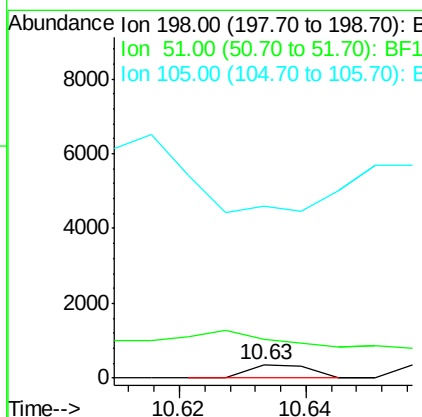
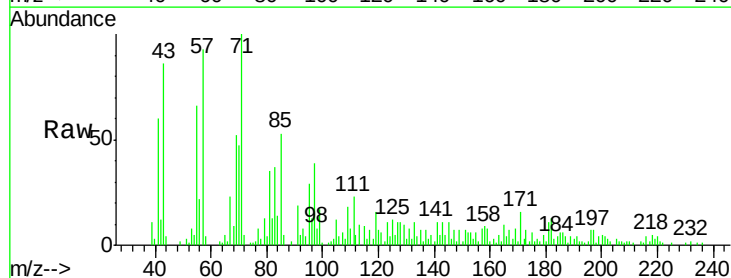
Instrument :
BNA_F
ClientSampleId :

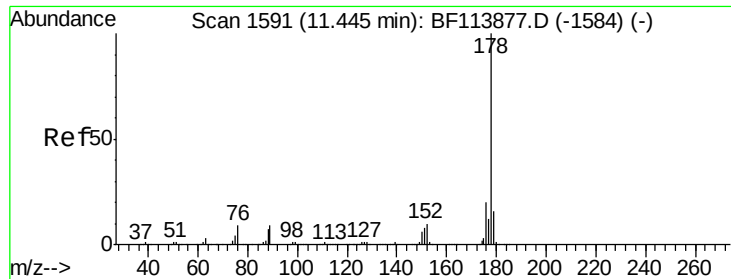
Tot Ion:188 Resp: 489288
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.4
80 10.7 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.401 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.11 min
Lab File: BF114049.D
Acq: 30 Apr 2019 18:23

Tgt Ion:198 Resp: 246
Ion Ratio Lower Upper
198 100
51 281.1 11.1 51.1#
105 1241.6 20.7 60.7#





#71

Phenanthrene

Concen: 3.348 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

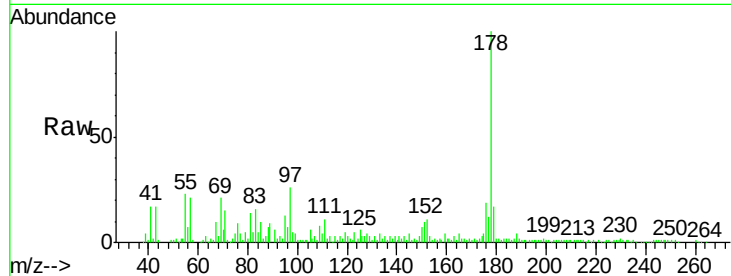
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 82315

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.1	24.1
179	17.3	12.8	19.2

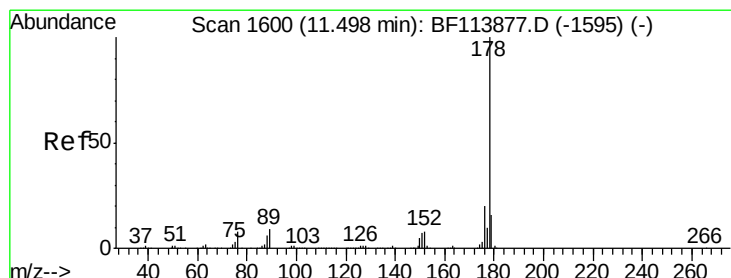
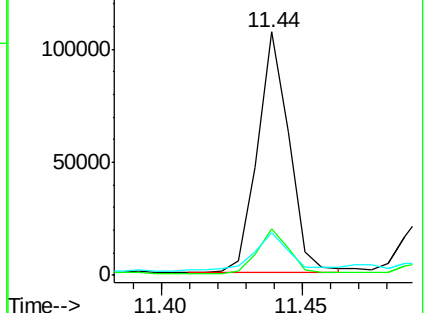
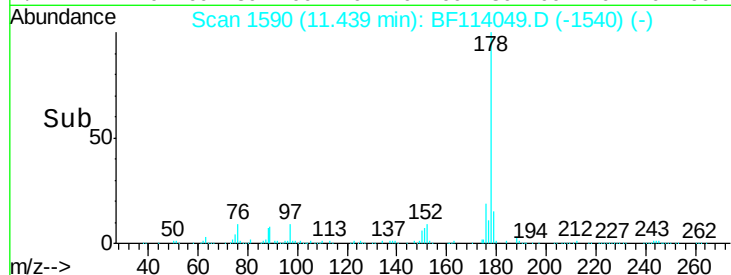


Abundance

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



#72

Anthracene

Concen: 3.315 ng

RT: 11.44 min Scan# 1590

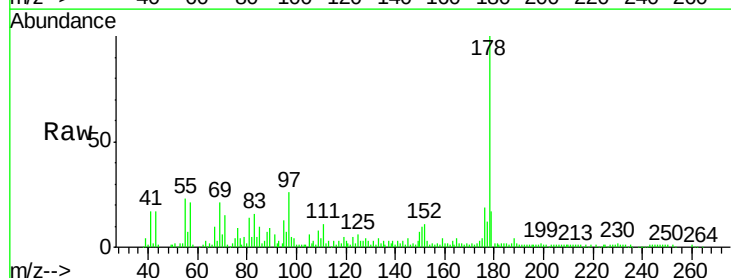
Delta R.T. -0.06 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

Tgt Ion:178 Resp: 82315

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	17.3	13.0	19.4

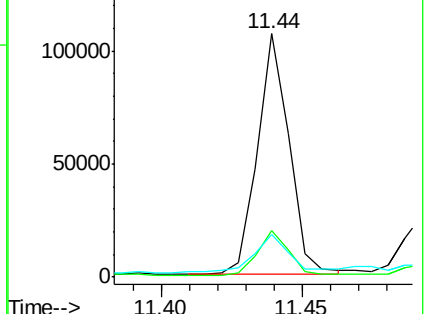
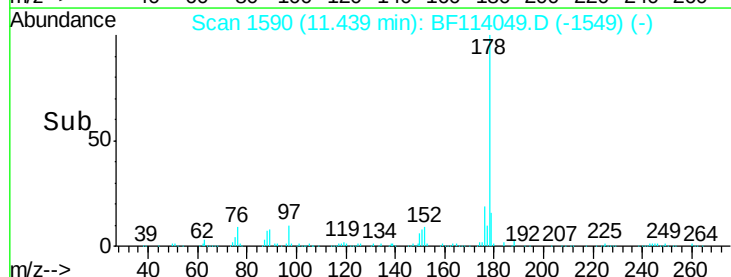


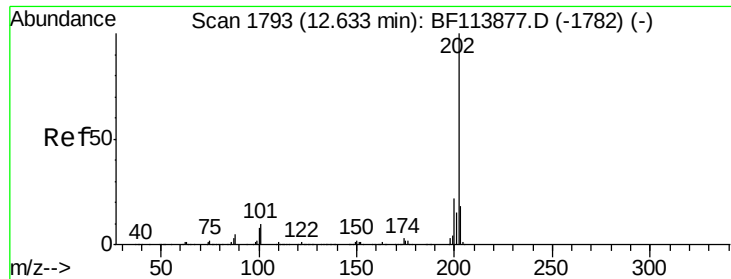
Abundance

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: 4.288 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

Instrument :

BNA_F

ClientSampleId :

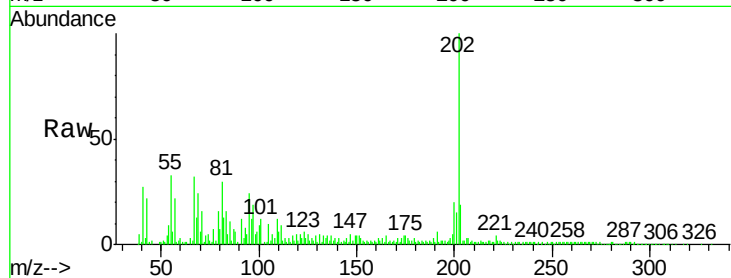
Tot Ion:202 Resp: 115044

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.9

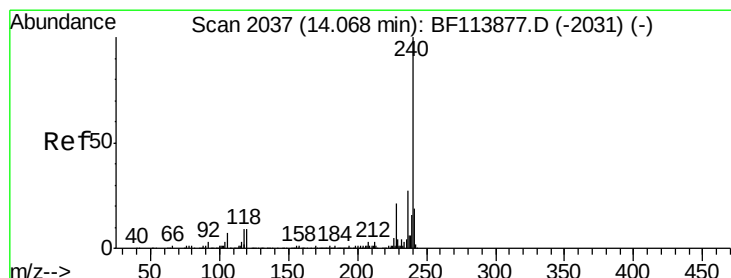
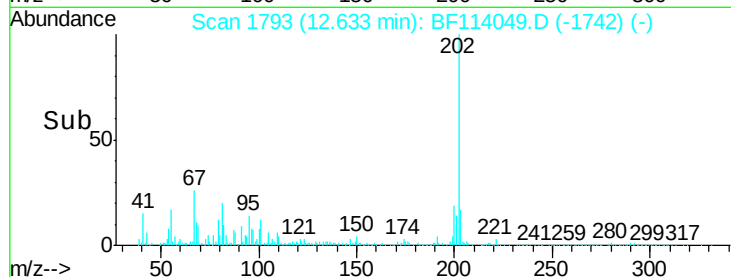
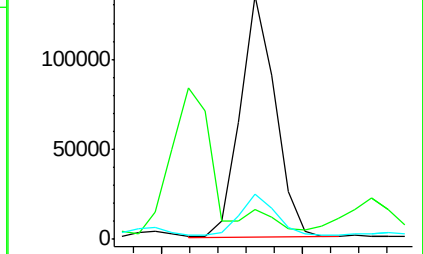
203 18.6 0.0 38.2



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# 2036

Delta R.T. -0.01 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

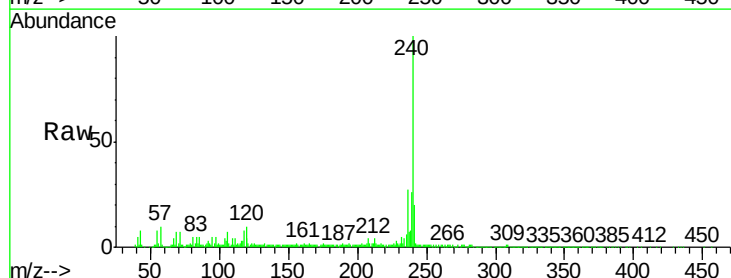
Tgt Ion:240 Resp: 268080

Ion Ratio Lower Upper

240 100

120 9.8 9.3 13.9

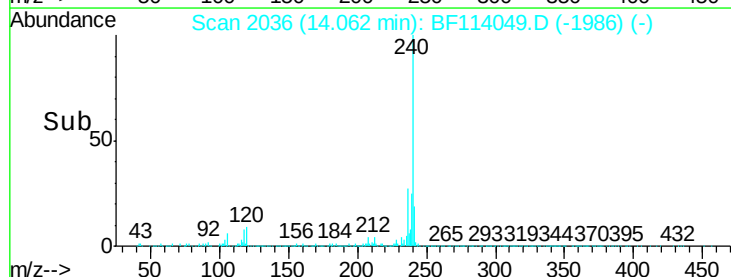
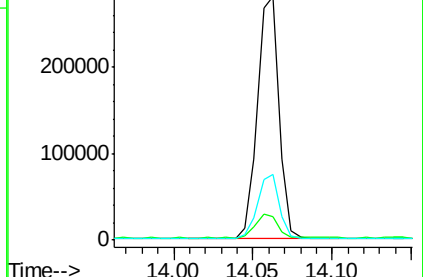
236 27.0 21.2 31.8

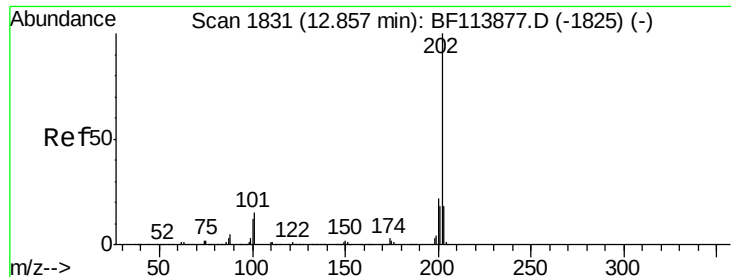


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

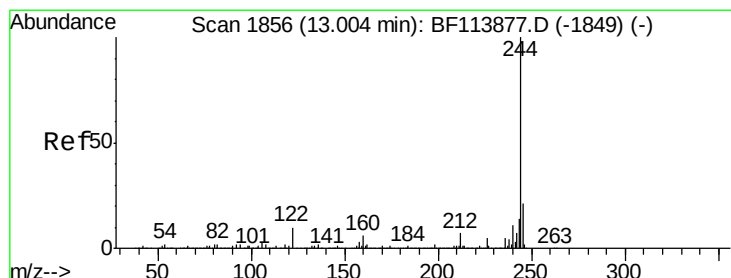
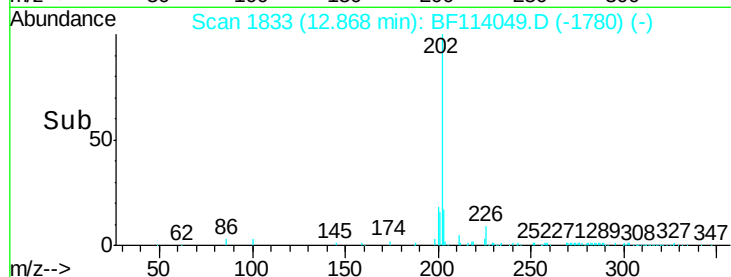
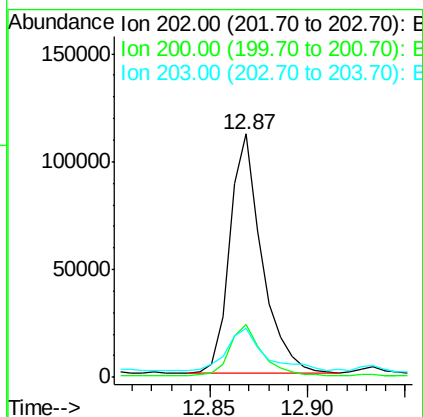
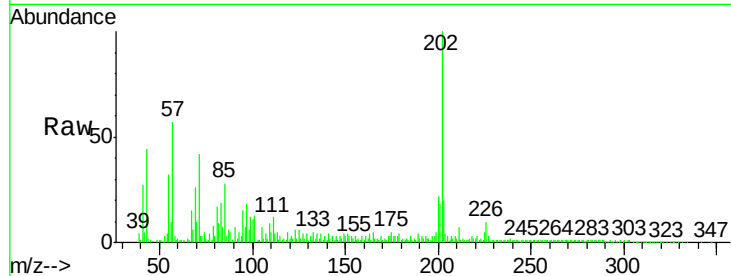




#78
Pvrene
Concen: 6.755 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF114049.D
Acq: 30 Apr 2019 18:23

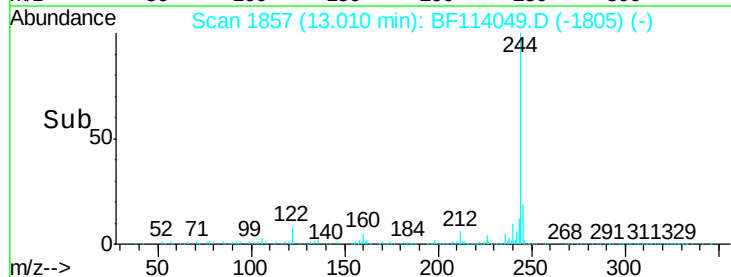
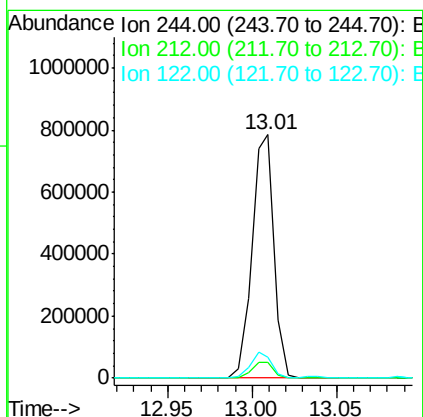
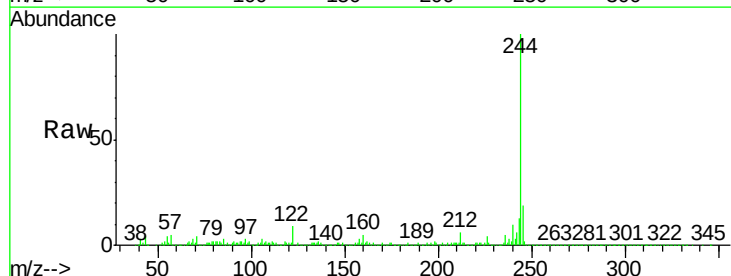
Instrument :
BNA_F
ClientSampleId :

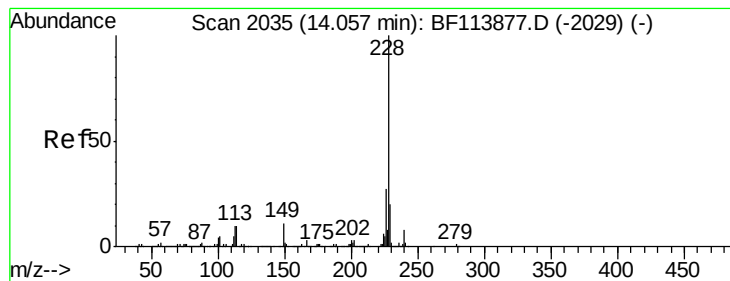
Tot Ion:202 Resp: 126642
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 20.4 15.0 22.6



#79
Terphenyl-d14
Concen: 54.273 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.01 min
Lab File: BF114049.D
Acq: 30 Apr 2019 18:23

Tgt Ion:244 Resp: 709689
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.2
122 8.7 7.6 11.4





#81

Benzo(a)anthracene

Concen: 2.493 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

Instrument :

BNA_F

ClientSampleId :

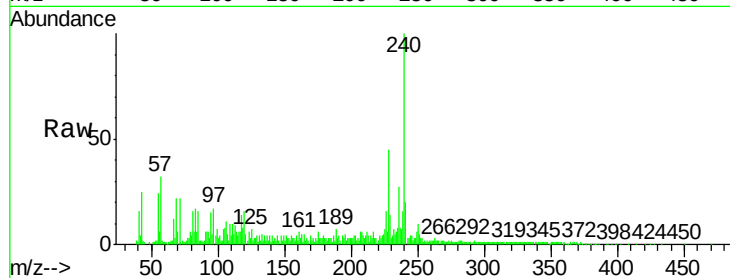
Tot Ion:228 Resp: 39372

Ion Ratio Lower Upper

228 100

226 34.6 22.2 33.2#

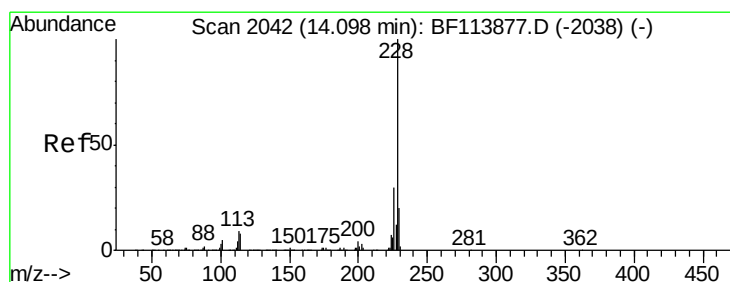
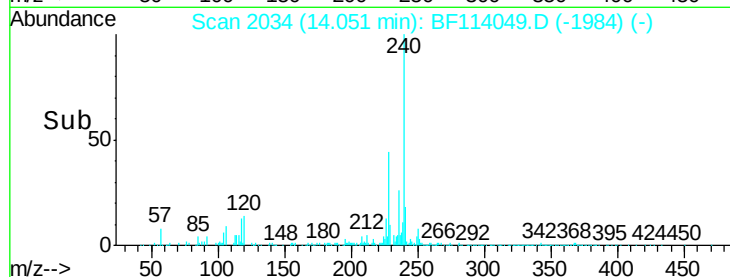
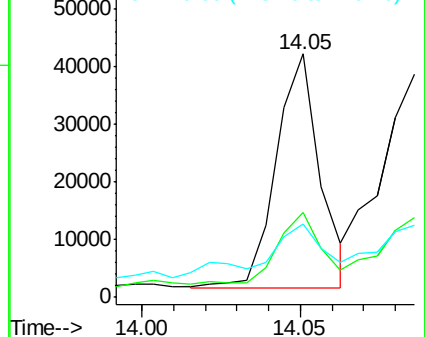
229 30.2 16.0 24.0#



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: 2.703 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

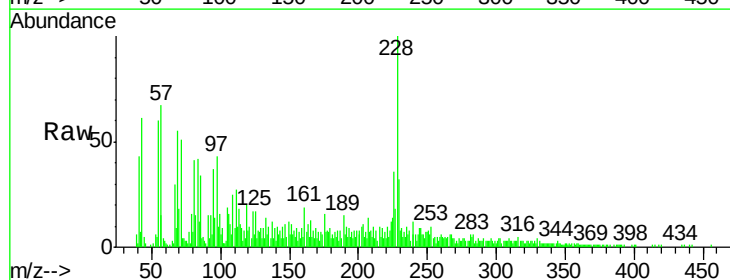
Tgt Ion:228 Resp: 41573

Ion Ratio Lower Upper

228 100

226 36.0 25.2 37.8

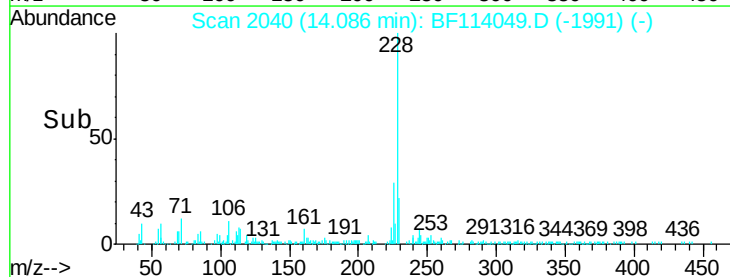
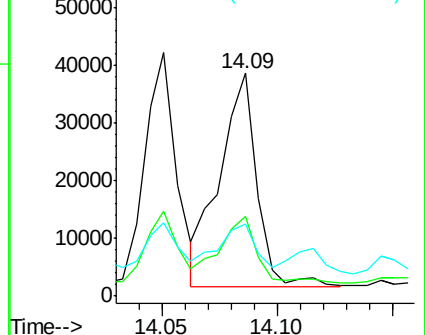
229 32.4 16.7 25.1#

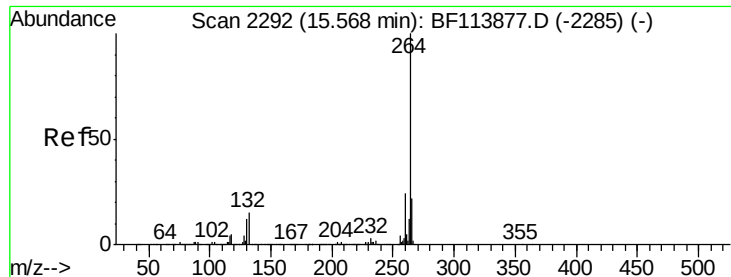


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.02 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

Instrument :

BNA_F

ClientSampleId :

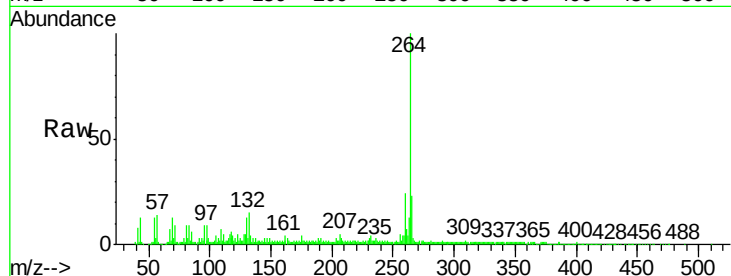
Tot Ion:264 Resp: 232469

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

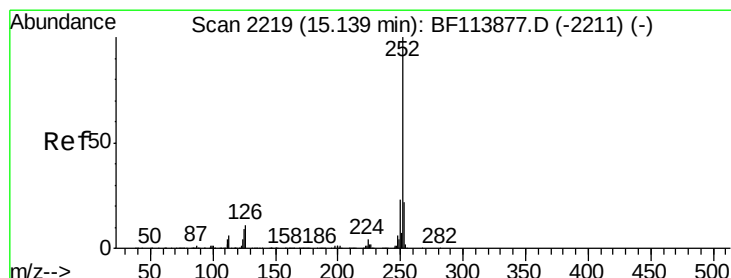
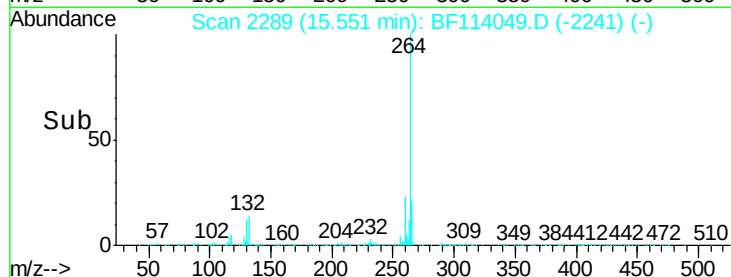
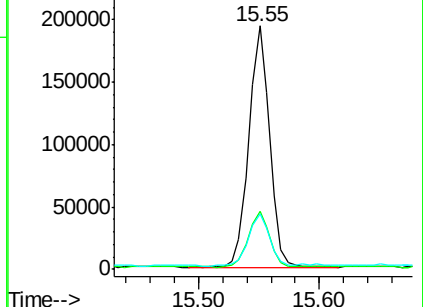
265 22.7 17.3 25.9



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: 3.673 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF114049.D

Acq: 30 Apr 2019 18:23

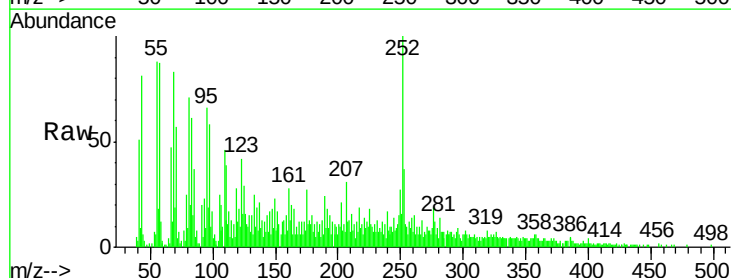
Tgt Ion:252 Resp: 54029

Ion Ratio Lower Upper

252 100

253 37.0 17.8 26.6#

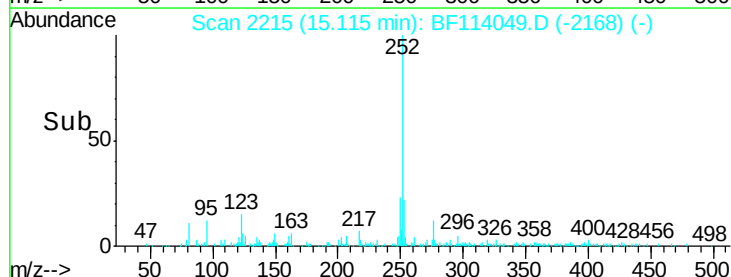
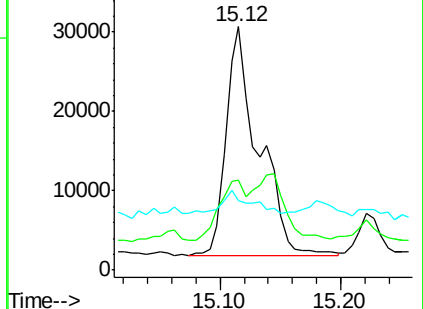
125 28.8 7.0 10.6#

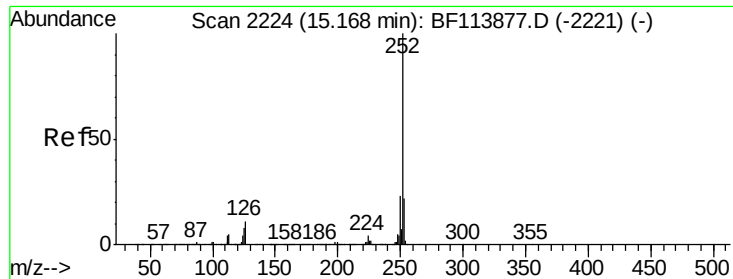


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

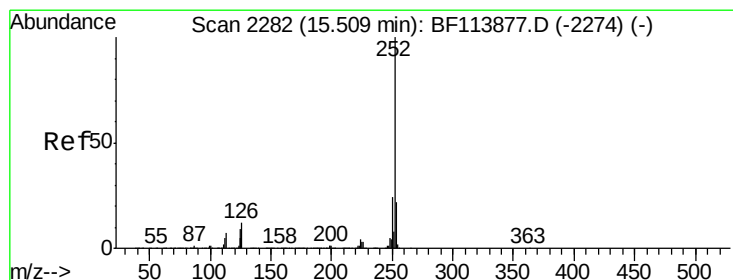
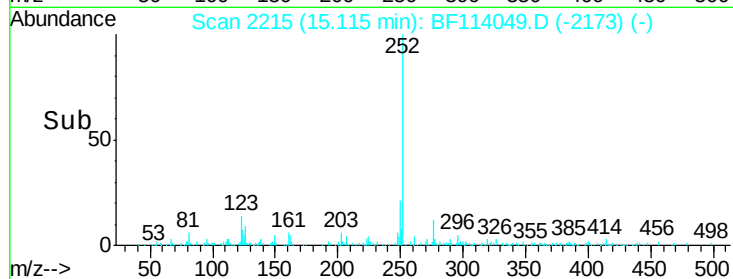
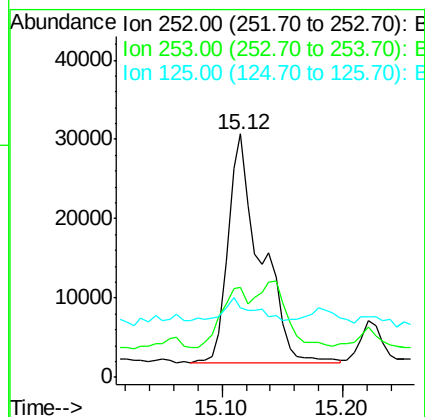
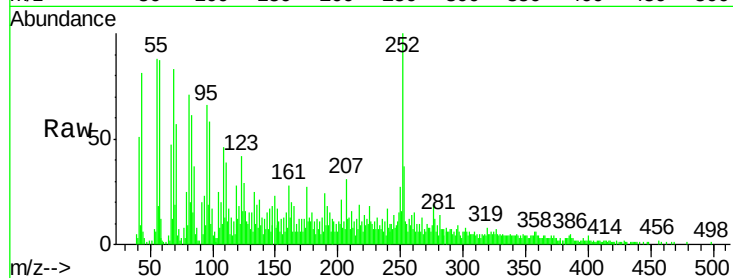




#89
Benzo(k)fluoranthene
Concen: 4.271 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.05 min
Lab File: BF114049.D
Acq: 30 Apr 2019 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 54029
Ion Ratio Lower Upper
252 100
253 37.0 18.2 27.2#
125 28.8 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 2.175 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF114049.D
Acq: 30 Apr 2019 18:23

Tgt Ion:252 Resp: 27665
Ion Ratio Lower Upper
252 100
253 36.7 17.5 26.3#
125 37.3 8.5 12.7#

