

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113857.D
 Acq On : 19 Apr 2019 14:41
 Operator : JU/SJ
 Sample : K2193-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-A

Quant Time: Apr 19 23:22:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	171612	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	560578	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	253556	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	520242	20.00	ng	0.00
76) Chrysene-d12	14.05	240	551758	20.00	ng	0.00
87) Perylene-d12	15.53	264	473477	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	480684	46.57	ng	0.00
7) Phenol-d6	6.52	99	588181	45.70	ng	0.00
23) Nitrobenzene-d5	7.45	82	331650	36.03	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	145090	51.79	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	543466	32.69	ng	0.00
79) Terphenyl-d14	13.00	244	750658	28.53	ng	0.00

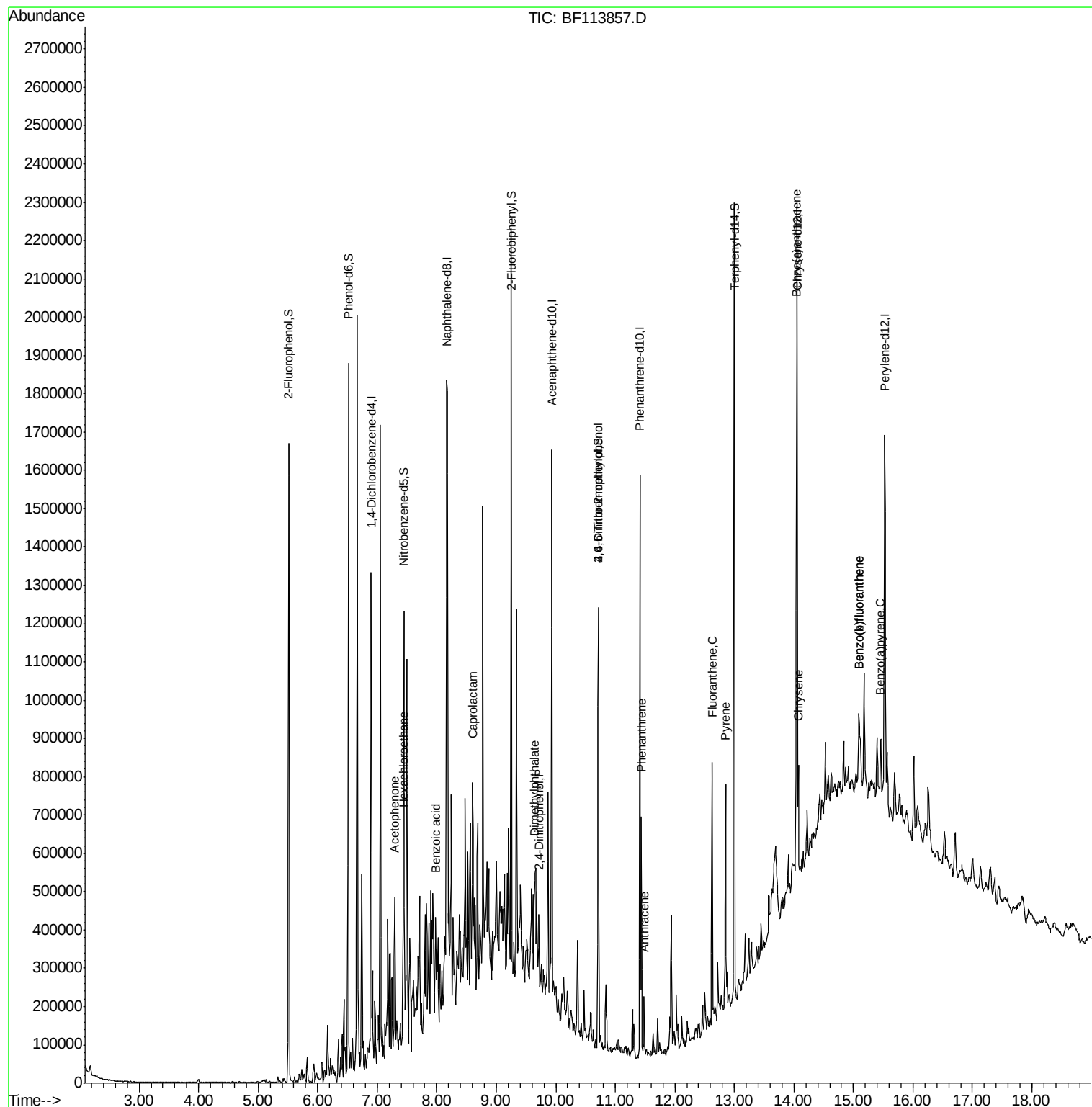
Target Compounds				Qvalue		
9) Benzaldehyde	6.43	77	1593	Below Cal	#	1
18) Hexachloroethane	7.43	117	10513	2.277 ng	#	1
22) Acetophenone	7.29	105	29098	2.278 ng	#	24
32) Benzoic acid	7.97	122	2375	6.327 ng	#	1
35) Caprolactam	8.60	113	11332	4.198 ng	#	1
50) Dimethylphthalate	9.64	163	54332	3.062 ng		98
54) 2,4-Dinitrophenol	9.72	184	107	8.918 ng	#	23
65) 4,6-Dinitro-2-methylphenol	10.72	198	306	7.049 ng	#	1
71) Phenanthrene	11.44	178	223956	8.452 ng		98
72) Anthracene	11.49	178	55239	2.069 ng		98
75) Fluoranthene	12.63	202	271687	9.675 ng		95
78) Pyrene	12.85	202	239562	6.161 ng		99
81) Benzo(a)anthracene	14.04	228	135109	4.189 ng		95
83) Chrysene	14.07	228	113917	3.558 ng		95
88) Benzo(b)fluoranthene	15.09	252	155815	5.279 ng	#	88
89) Benzo(k)fluoranthene	15.09	252	155815	5.796 ng	#	89
90) Benzo(a)pyrene	15.46	252	78897	3.023 ng	#	89

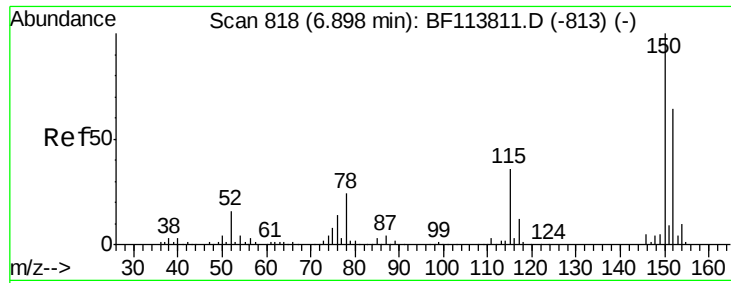
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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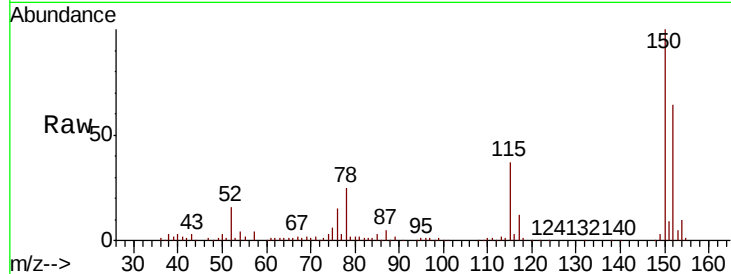


#1

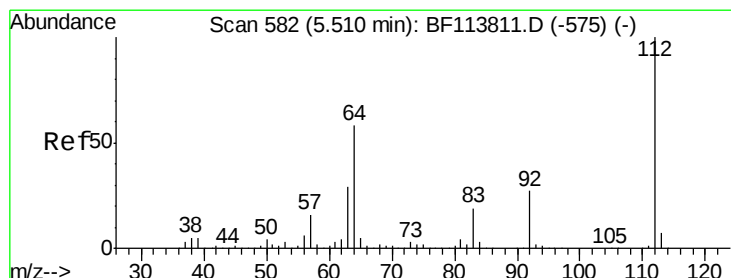
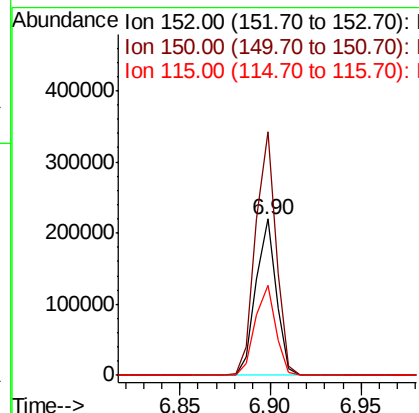
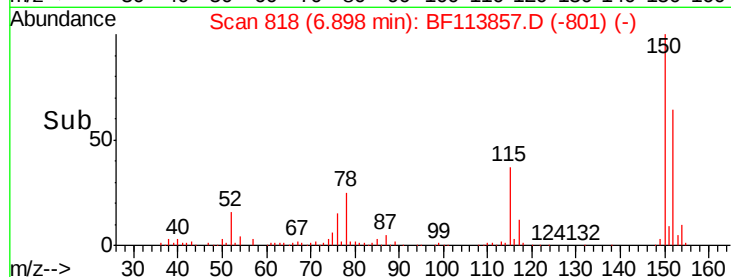
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113857.D
Acq: 19 Apr 2019 14:41

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-A

Tgt Ion:152 Resp: 171612
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 58.0 45.9 68.9



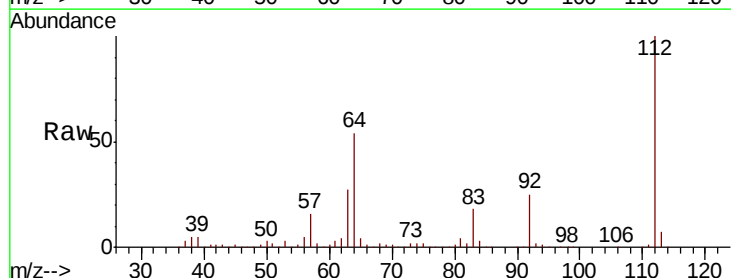
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



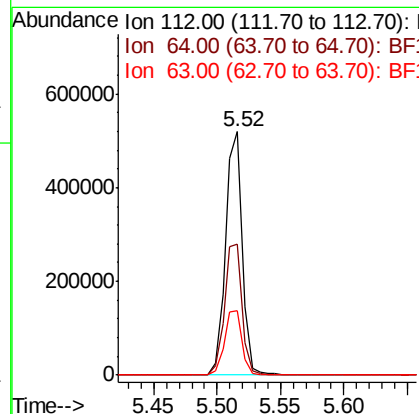
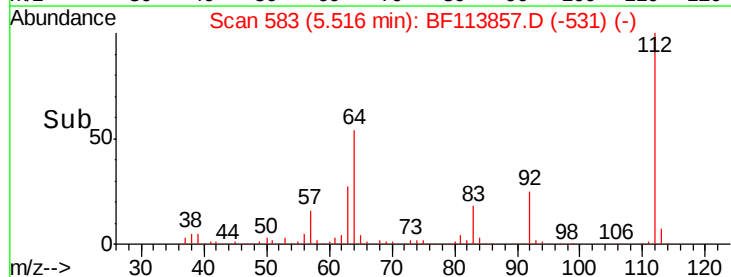
#5

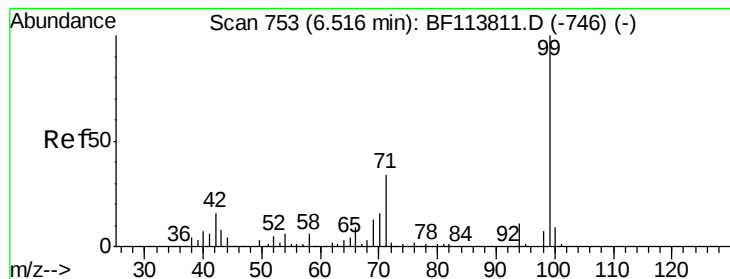
2-Fluorophenol
Concen: 46.574 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113857.D
Acq: 19 Apr 2019 14:41

Tgt Ion:112 Resp: 480684
Ion Ratio Lower Upper
112 100
64 53.6 46.6 69.8
63 26.5 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: 45.699 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-A

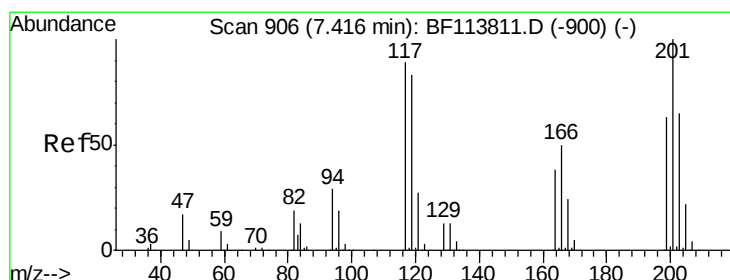
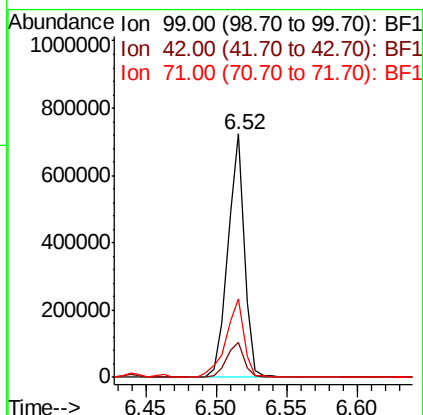
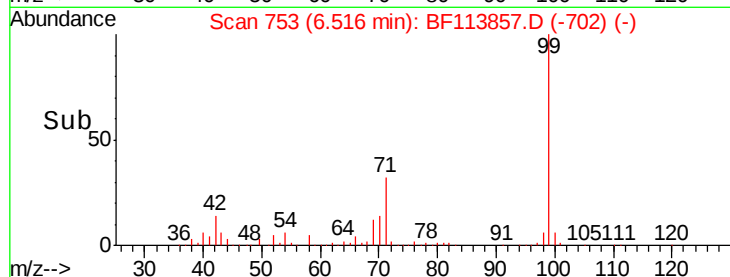
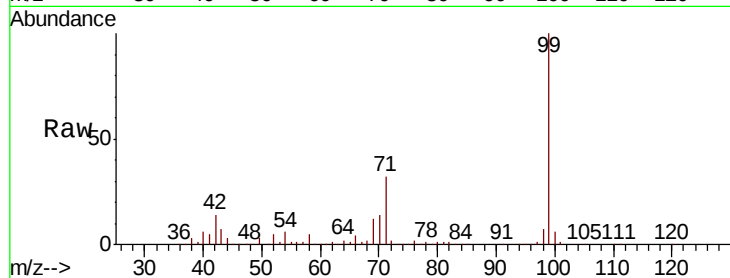
Tgt Ion: 99 Resp: 588181

Ion Ratio Lower Upper

99 100

42 14.3 12.5 18.7

71 32.2 26.9 40.3



#18

Hexachloroethane

Concen: 2.277 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.02 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

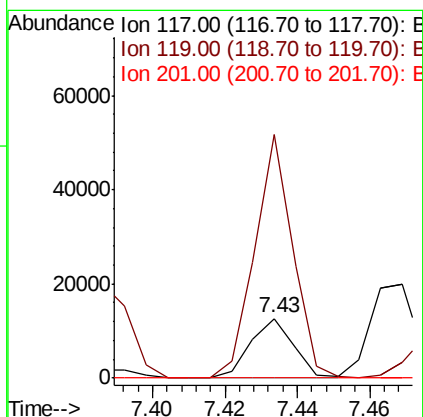
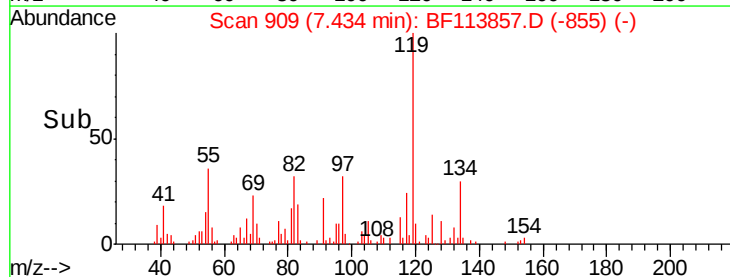
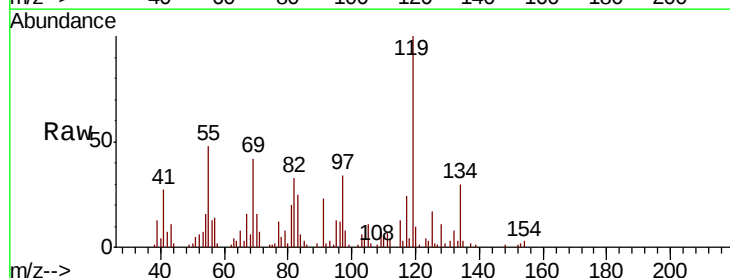
Tgt Ion: 117 Resp: 10513

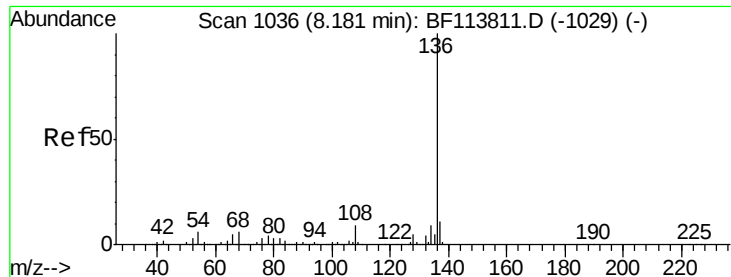
Ion Ratio Lower Upper

117 100

119 408.4 74.4 111.6#

201 0.0 90.2 135.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-A

Tgt Ion:136 Resp: 560578

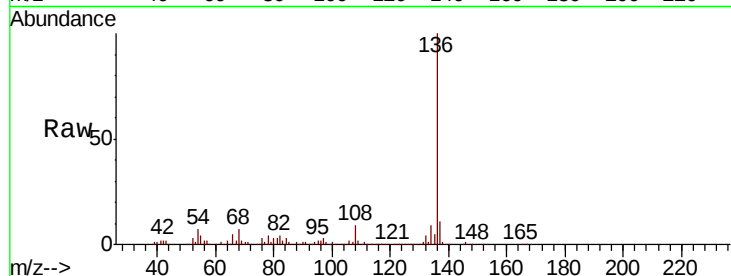
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 6.6 5.0 7.6

68 6.6 4.9 7.3

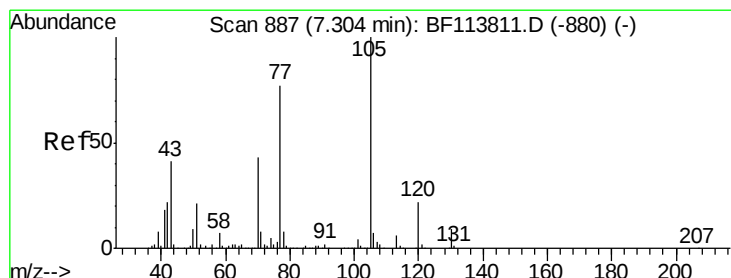
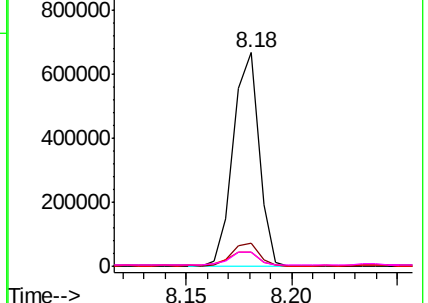
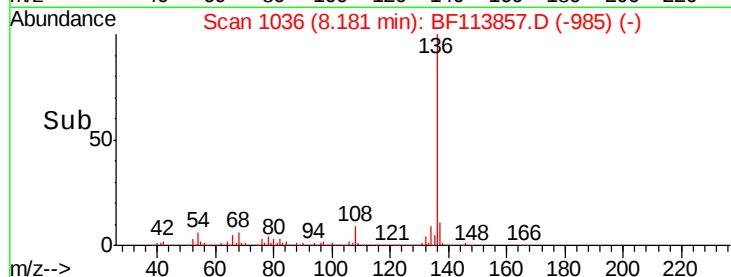


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.278 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

Tgt Ion:105 Resp: 29098

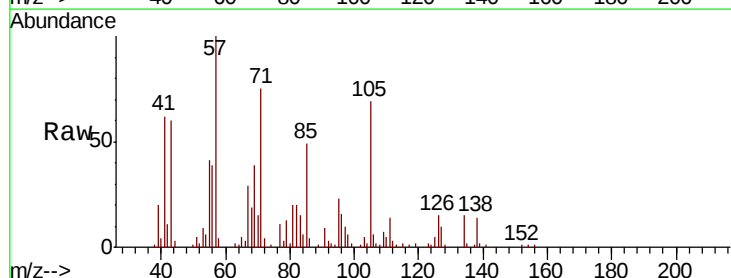
Ion Ratio Lower Upper

105 100

71 109.4 6.1 9.1#

51 7.0 16.8 25.2#

120 0.0 17.6 26.4#

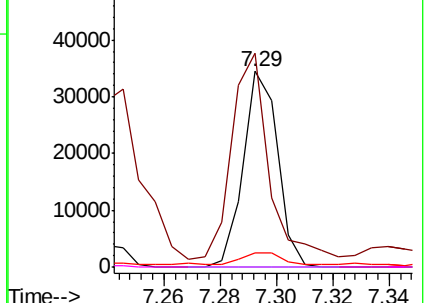
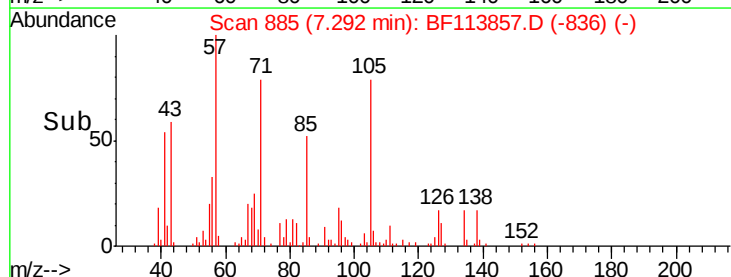


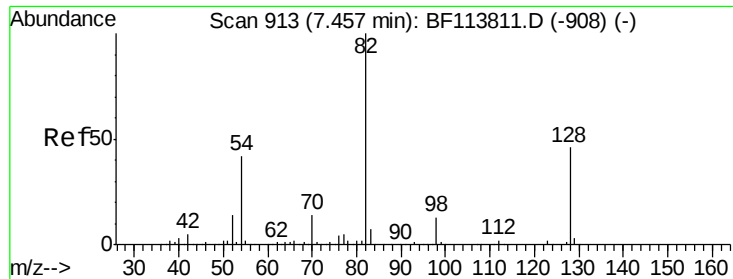
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

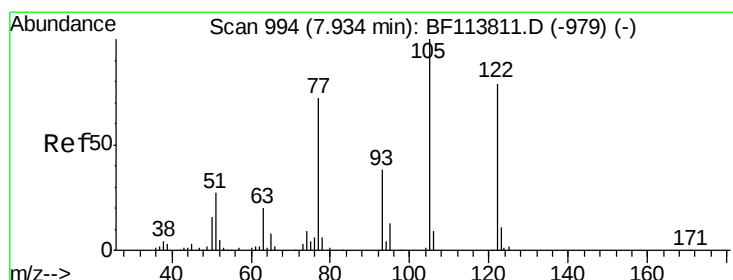
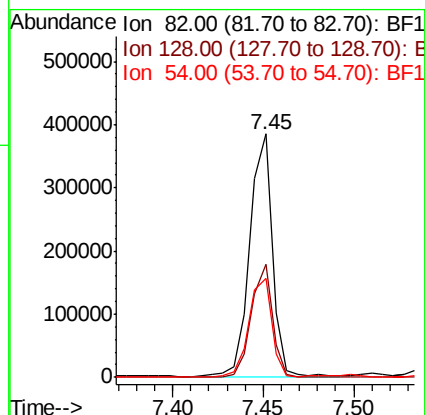
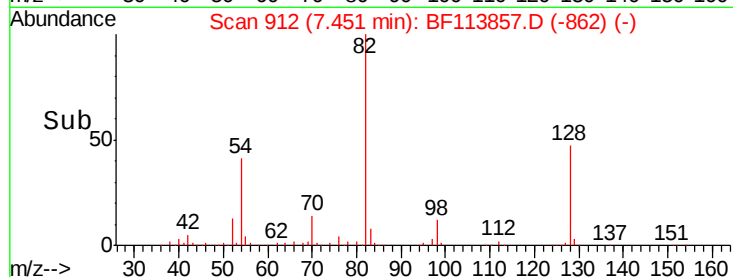
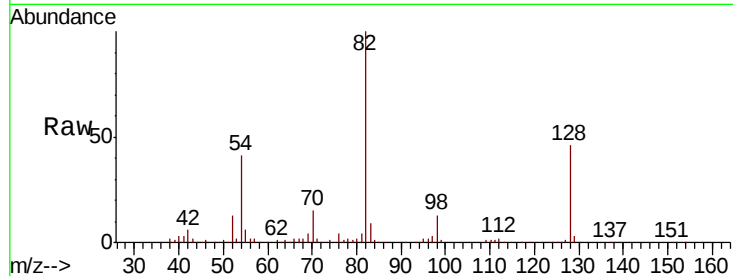




#23
Nitrobenzene-d5
Concen: 36.028 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113857.D
Acq: 19 Apr 2019 14:41

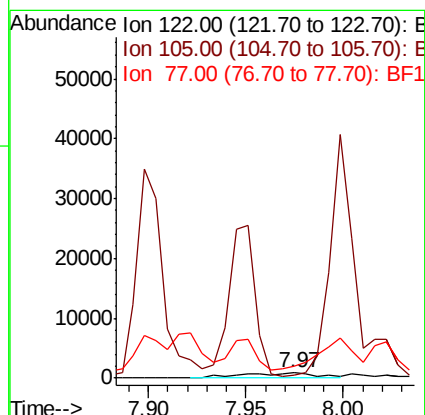
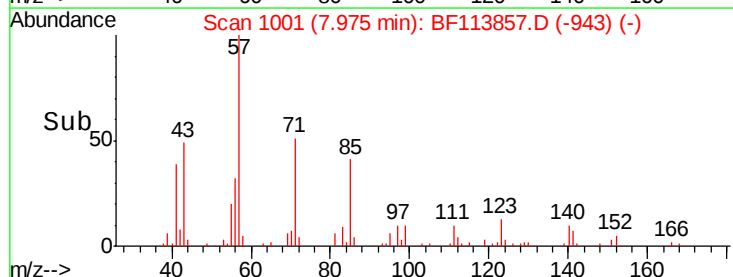
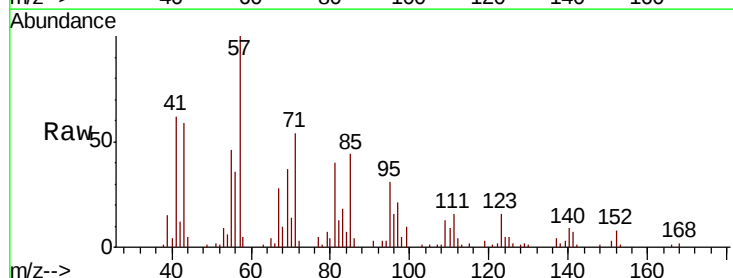
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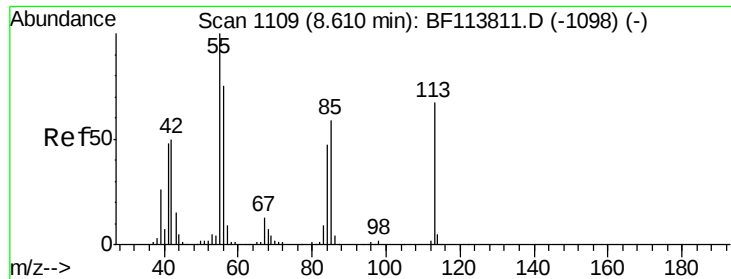
Tgt Ion: 82 Resp: 331650
Ion Ratio Lower Upper
82 100
128 46.4 36.8 55.2
54 40.7 33.8 50.6



#32
Benzoic acid
Concen: 6.327 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.04 min
Lab File: BF113857.D
Acq: 19 Apr 2019 14:41

Tgt Ion:122 Resp: 2375
Ion Ratio Lower Upper
122 100
105 52.7 104.3 144.3#
77 237.2 70.4 110.4#

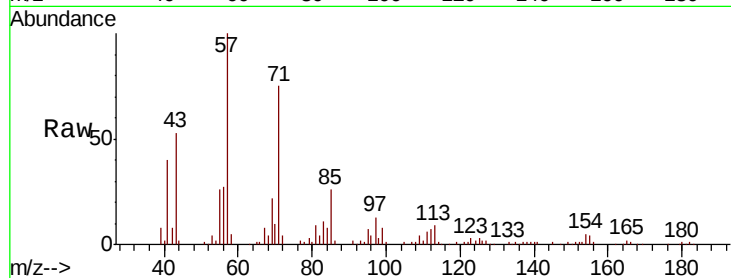




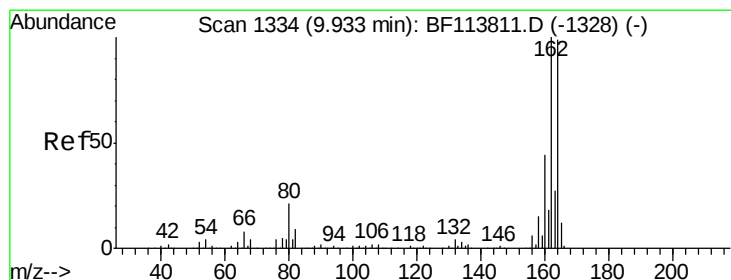
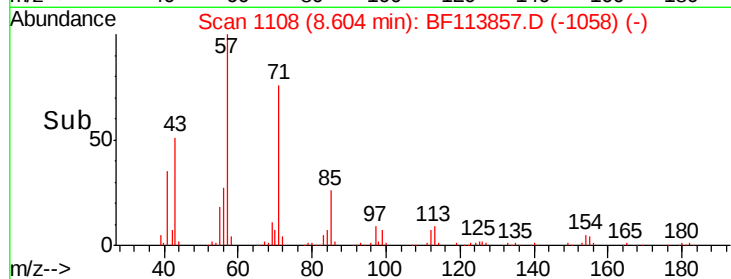
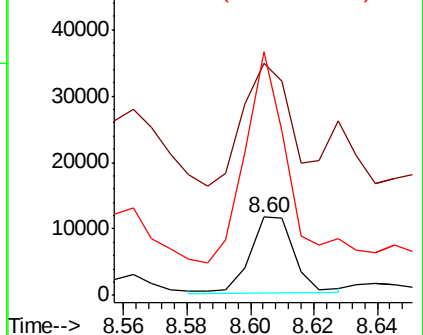
#35
 Caprolactam
 Concen: 4.198 ng
 RT: 8.60 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: BF113857.D
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Instrument :
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 HR-05-041719-A

Tgt Ion:113 Resp: 11332
 Ion Ratio Lower Upper
 113 100
 55 296.3 128.6 168.6#
 56 310.5 91.9 131.9#

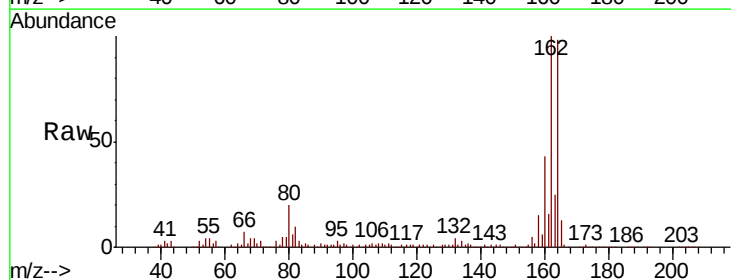


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

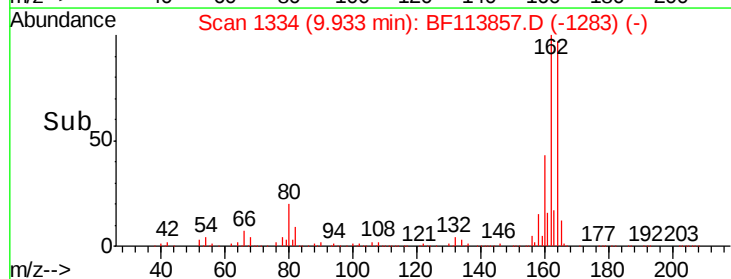
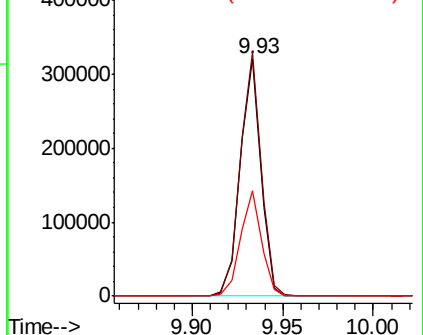


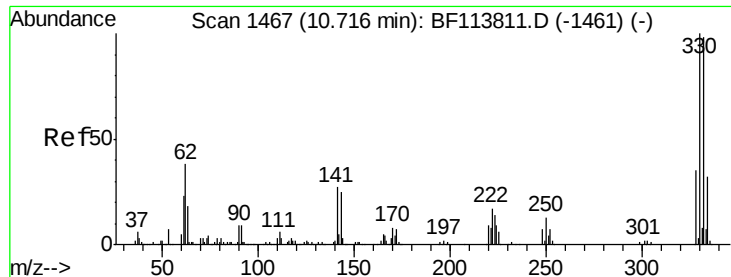
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF113857.D
 Acq: 19 Apr 2019 14:41

Tgt Ion:164 Resp: 253556
 Ion Ratio Lower Upper
 164 100
 162 102.4 81.1 121.7
 160 44.3 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: 51.793 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

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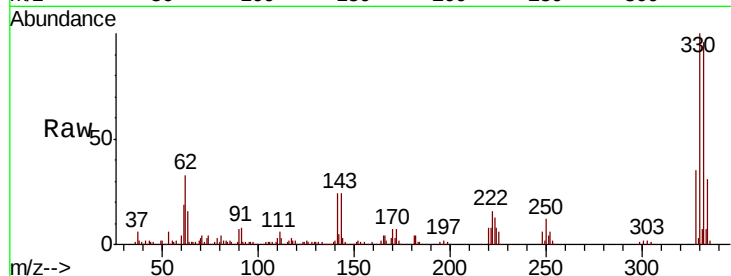
Tgt Ion:330 Resp: 145090

Ion Ratio Lower Upper

330 100

332 96.1 77.5 116.3

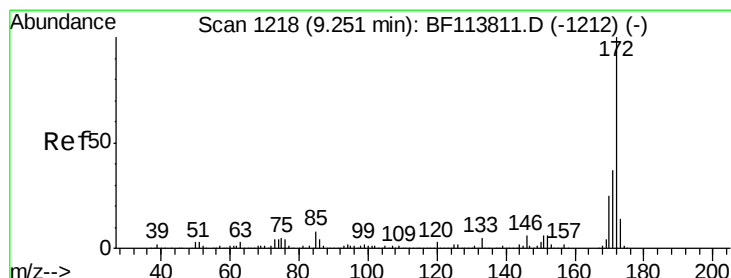
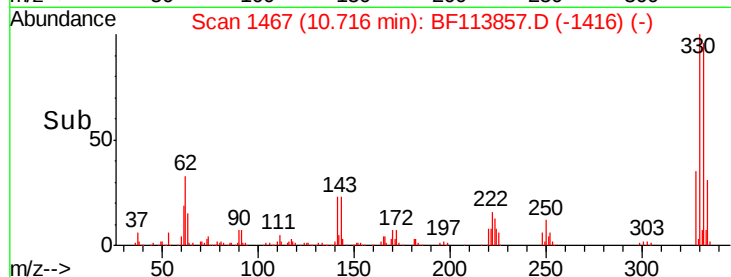
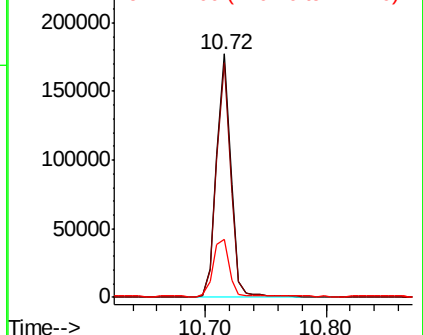
141 26.0 22.2 33.2



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: 32.687 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

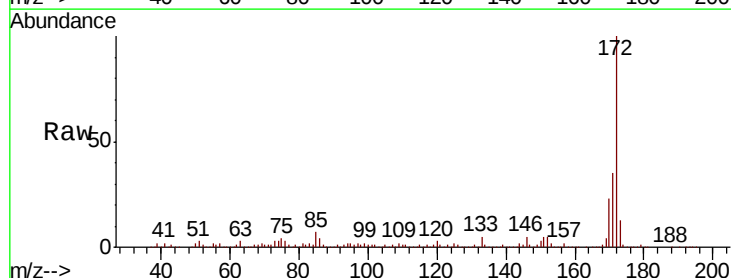
Tgt Ion:172 Resp: 543466

Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

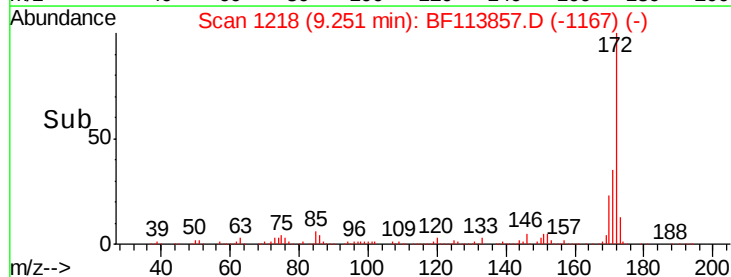
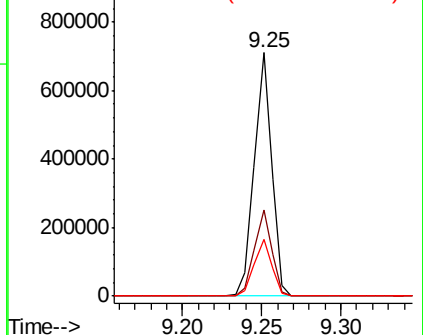
170 23.2 19.9 29.9

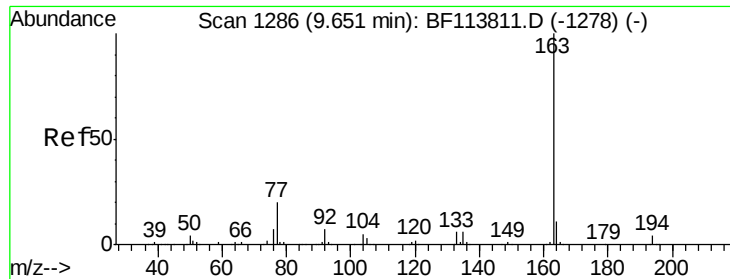


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.062 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF113857.D

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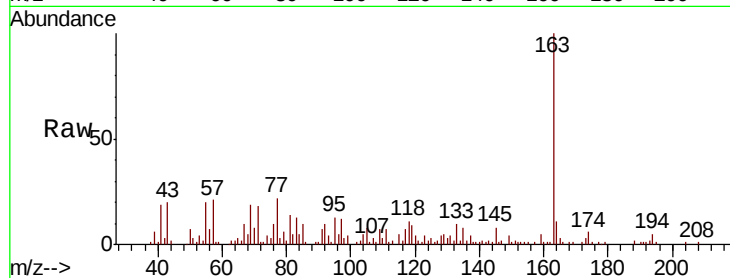
Tgt Ion:163 Resp: 54332

Ion Ratio Lower Upper

163 100

194 5.0 3.4 5.2

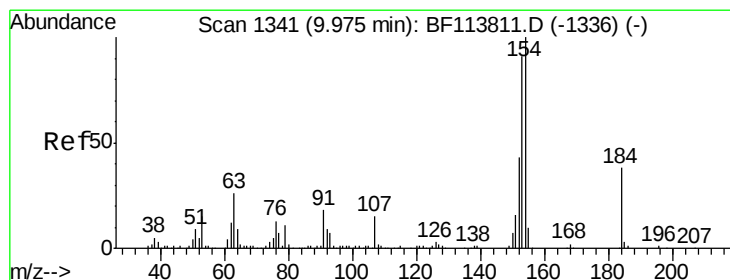
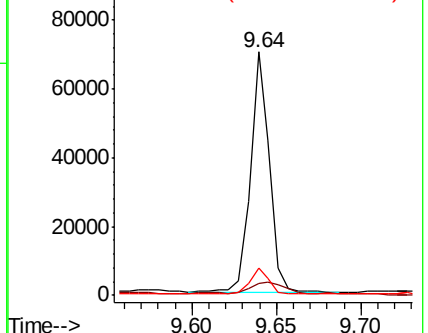
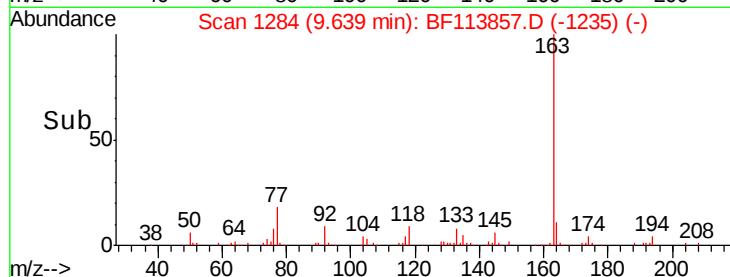
164 11.1 8.5 12.7



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: 8.918 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.25 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

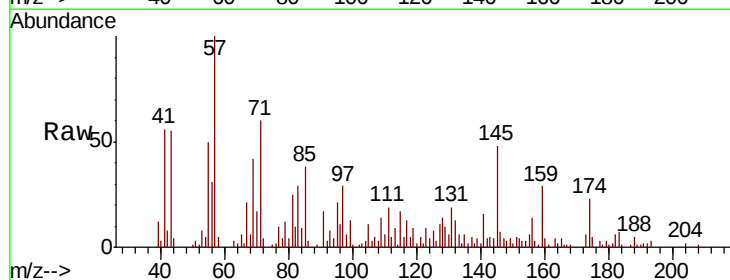
Tgt Ion:184 Resp: 107

Ion Ratio Lower Upper

184 100

63 347.7 54.6 81.8#

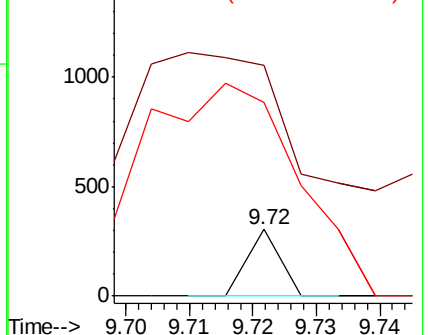
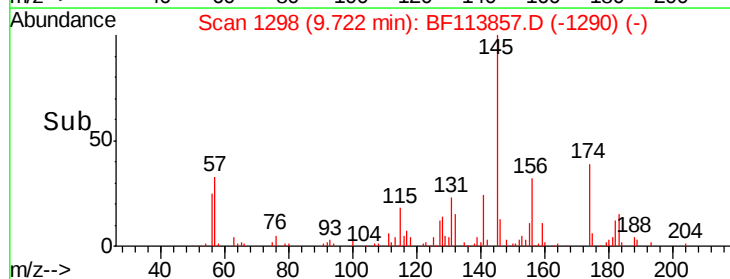
154 290.8 218.6 328.0

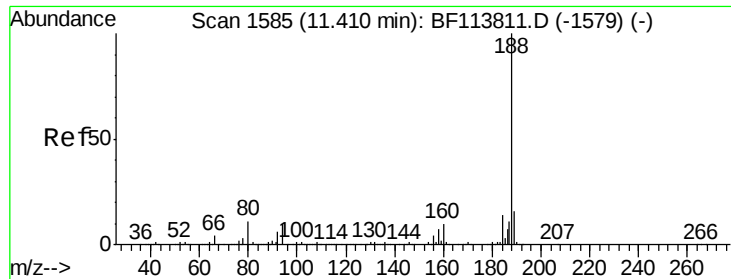


Abundance Ion 184.00 (183.70 to 184.70): E

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. 0.01 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-A

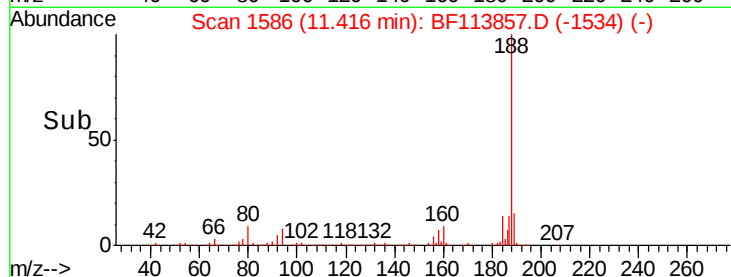
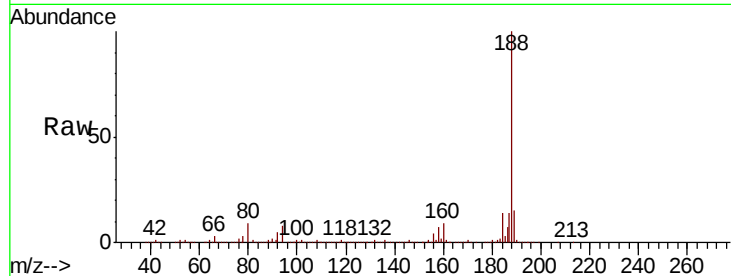
Tgt Ion:188 Resp: 520242

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.4

80 9.3 9.0 13.6



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

11.42

800000

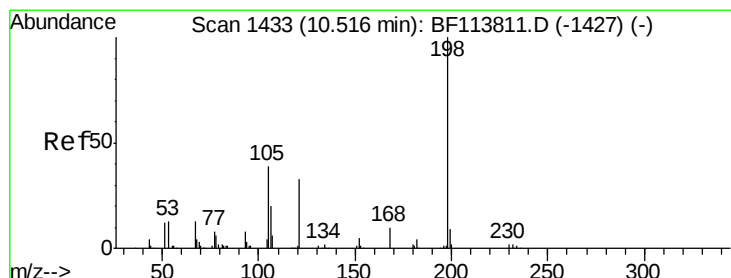
600000

400000

200000

0

Time--> 11.35 11.40 11.45



#65

4,6-Dinitro-2-methylphenol

Concen: 7.049 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.20 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

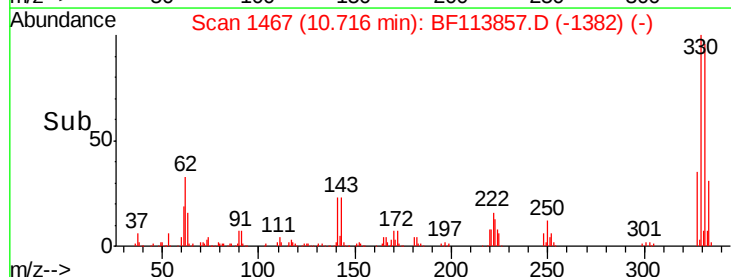
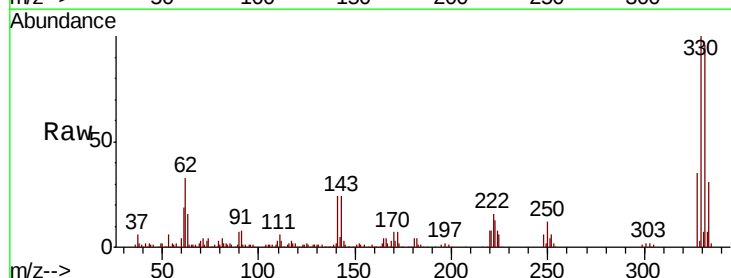
Tgt Ion:198 Resp: 306

Ion Ratio Lower Upper

198 100

51 171.6 11.1 51.1#

105 338.7 20.7 60.7#



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

4000

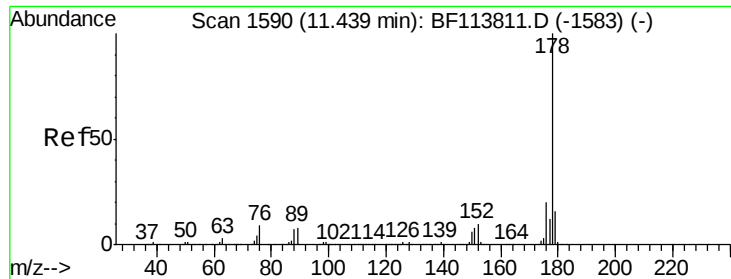
3000

2000

1000

0

Time--> 10.70 10.72



#71

Phenanthrene

Concen: 8.452 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-A

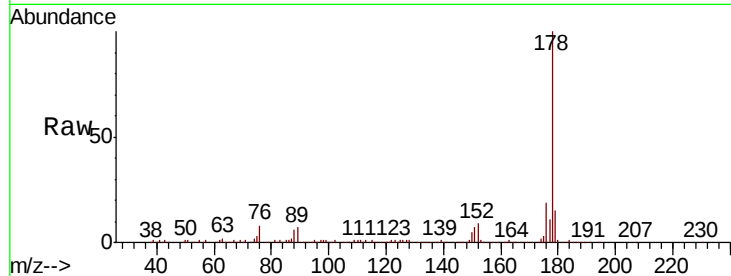
Tgt Ion:178 Resp: 223956

Ion Ratio Lower Upper

178 100

176 18.8 16.1 24.1

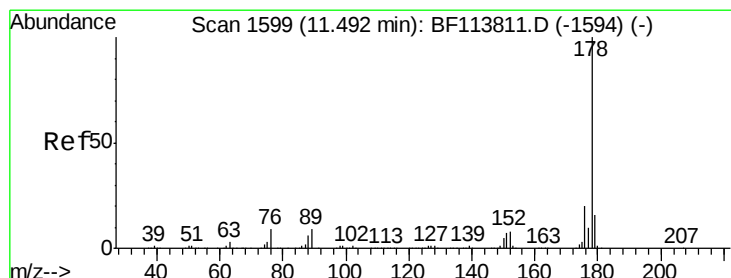
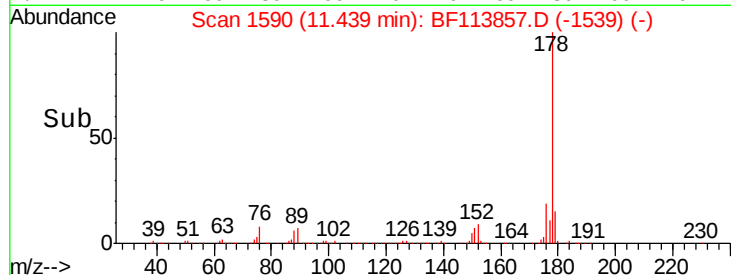
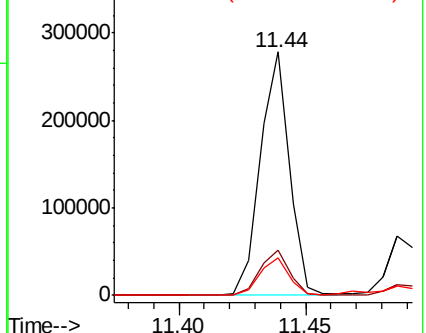
179 15.4 12.8 19.2



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



#72

Anthracene

Concen: 2.069 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

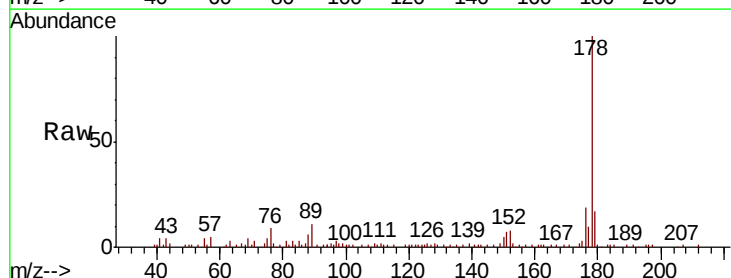
Tgt Ion:178 Resp: 55239

Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

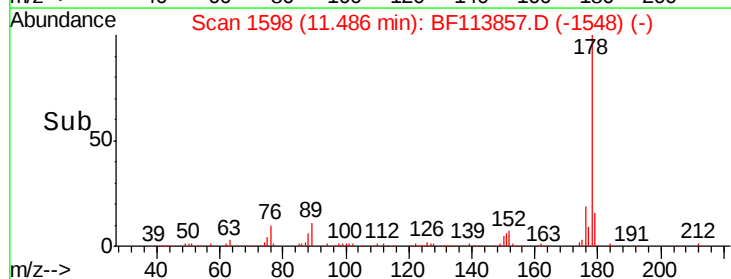
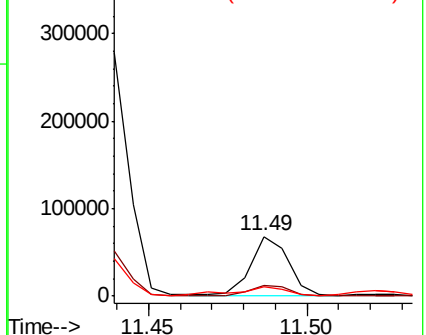
179 16.7 13.0 19.4

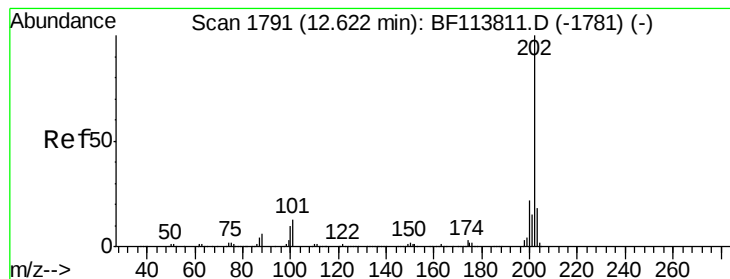


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.675 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-A

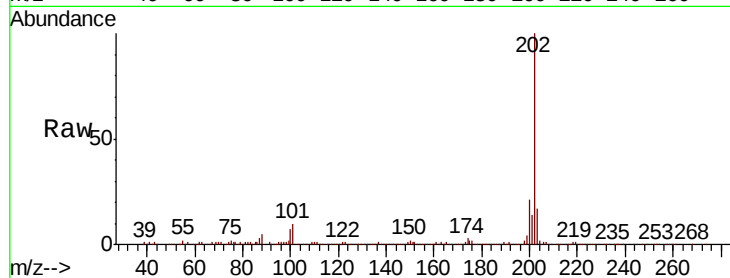
Tgt Ion:202 Resp: 271687

Ion Ratio Lower Upper

202 100

101 9.7 0.0 32.9

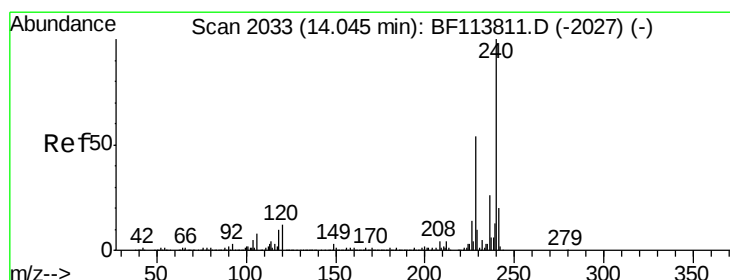
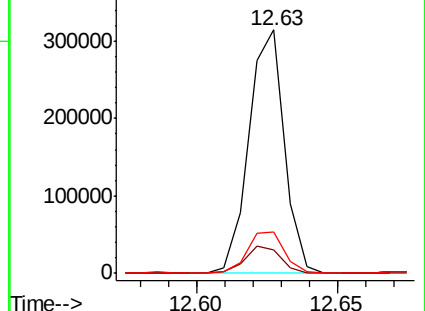
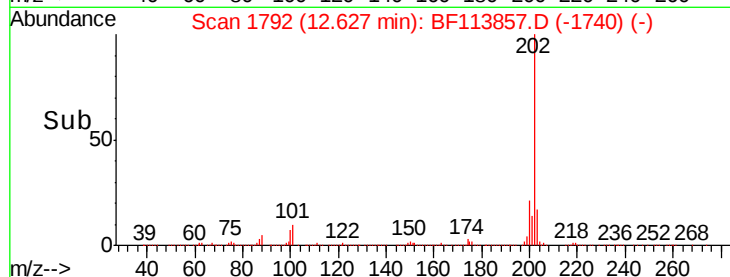
203 17.1 0.0 38.2



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: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

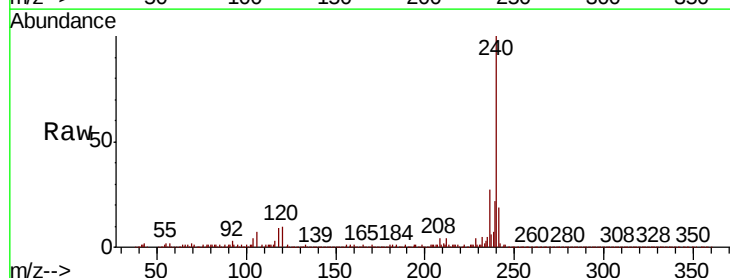
Tgt Ion:240 Resp: 551758

Ion Ratio Lower Upper

240 100

120 10.0 9.3 13.9

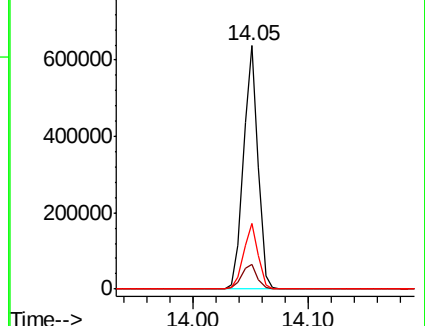
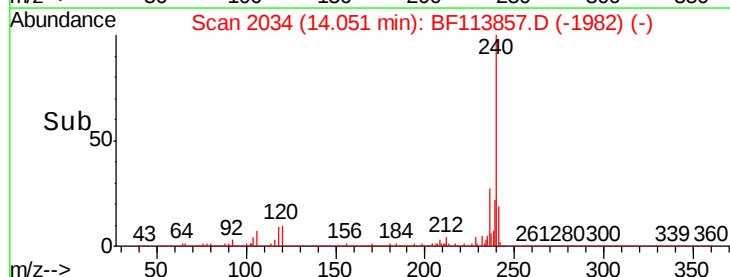
236 27.0 21.2 31.8

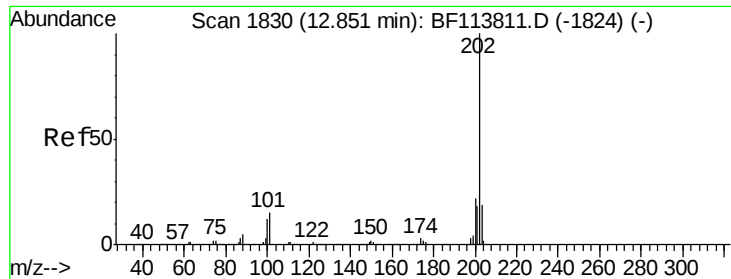


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

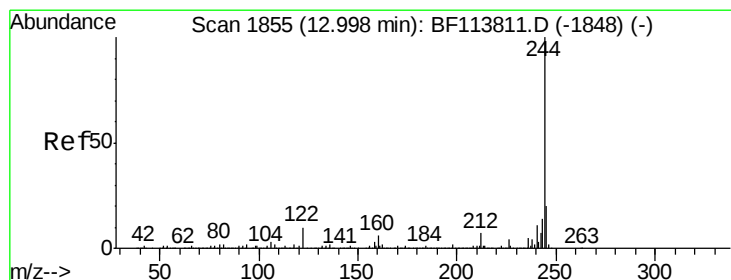
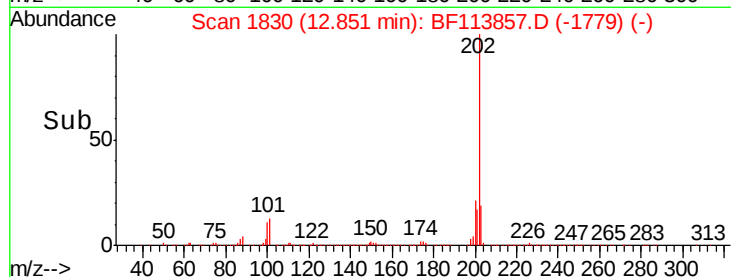
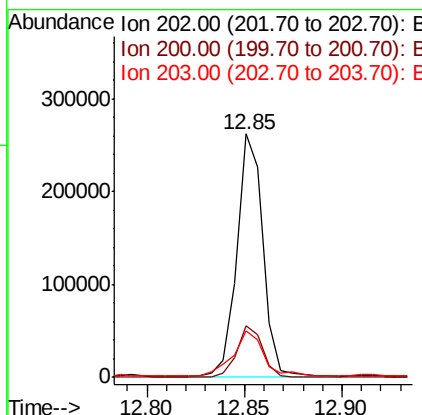
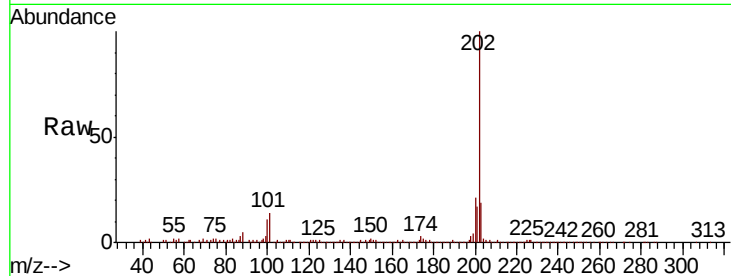




#78
 Pyrene
 Concen: 6.161 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BF113857.D
 Acq: 19 Apr 2019 14:41

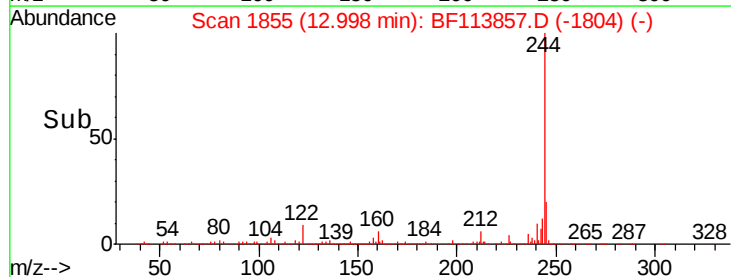
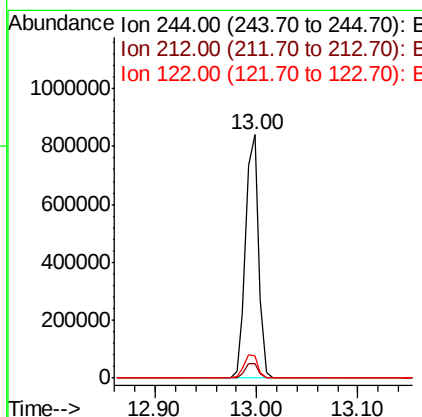
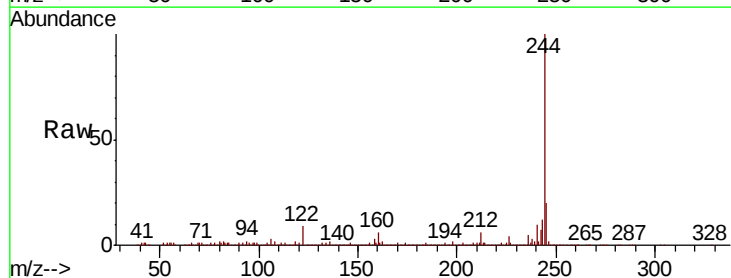
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-A

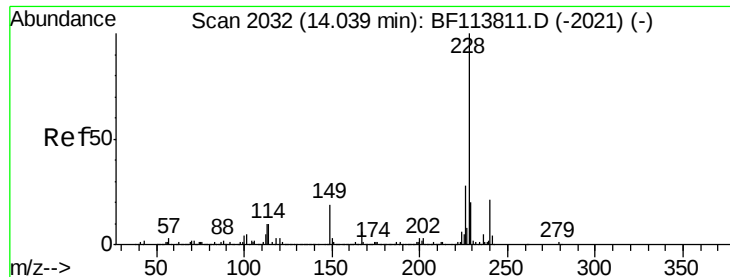
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	19.2	15.0	22.6



#79
 Terphenyl-d14
 Concen: 28.529 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BF113857.D
 Acq: 19 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.2
122	8.9	7.6	11.4

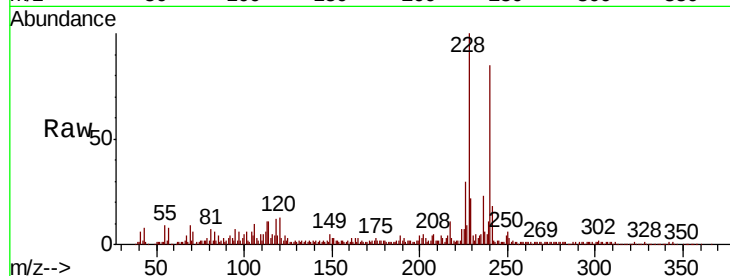




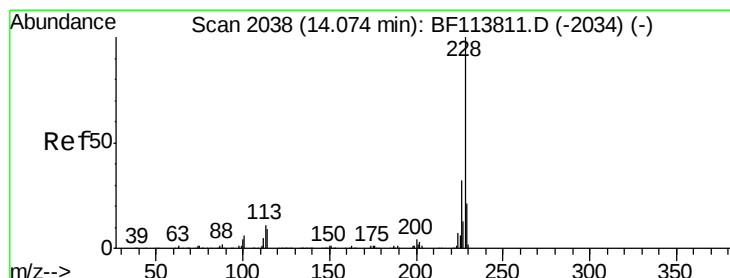
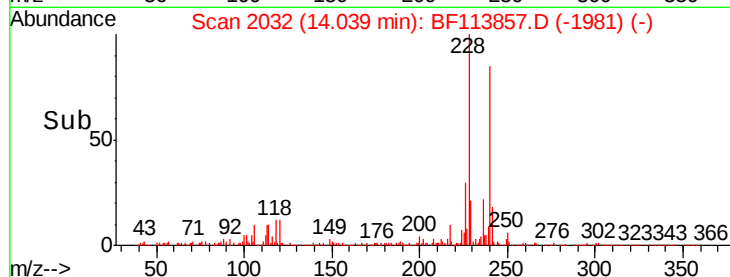
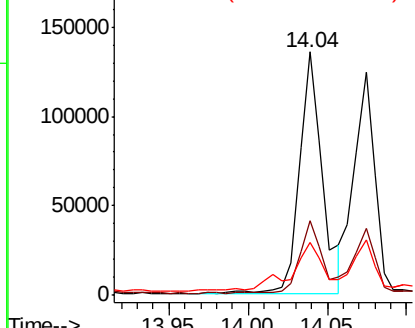
#81
Benzo(a)anthracene
Concen: 4.189 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF113857.D
Acq: 19 Apr 2019 14:41

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-A

Tgt Ion:228 Resp: 135109
Ion Ratio Lower Upper
228 100
226 30.4 22.2 33.2
229 21.9 16.0 24.0

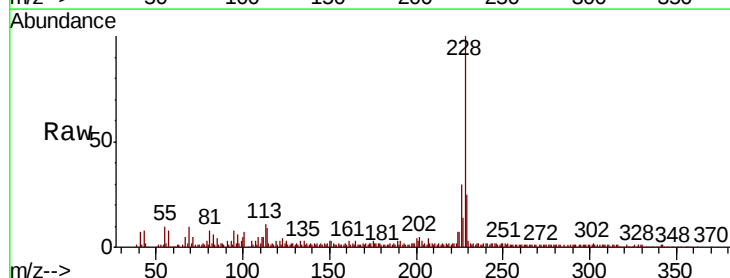


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

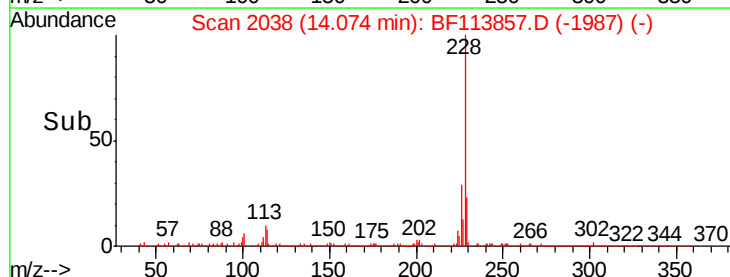
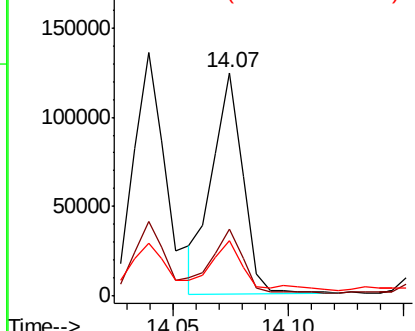


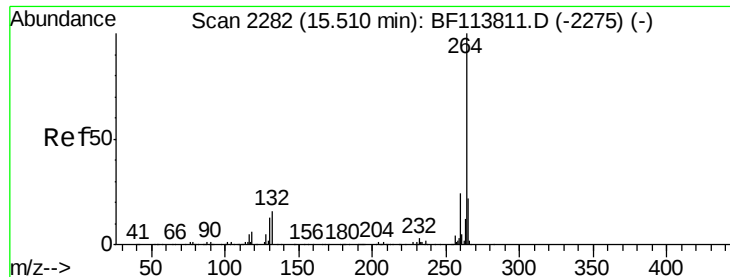
#83
Chrysene
Concen: 3.558 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF113857.D
Acq: 19 Apr 2019 14:41

Tgt Ion:228 Resp: 113917
Ion Ratio Lower Upper
228 100
226 30.3 25.2 37.8
229 24.7 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



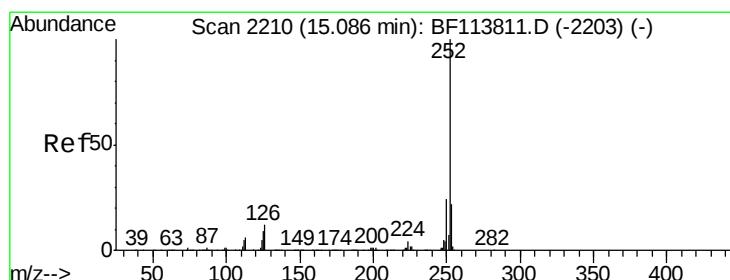
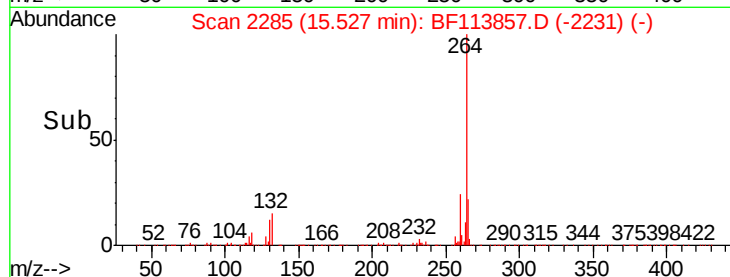
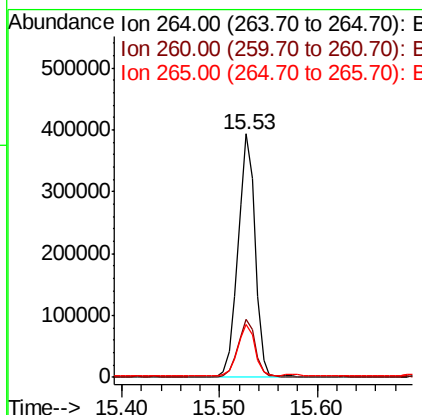
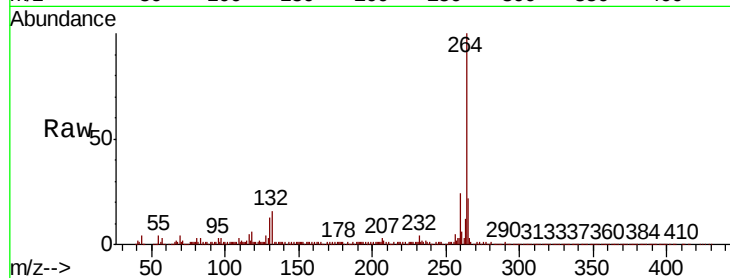


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.02 min
Lab File: BF113857.D
Acq: 19 Apr 2019 14:41

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-A

Tgt Ion: 264 Resp: 473477

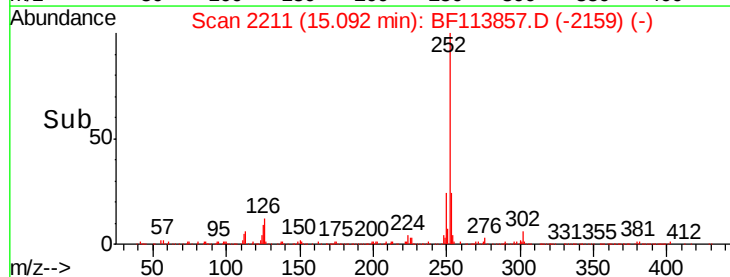
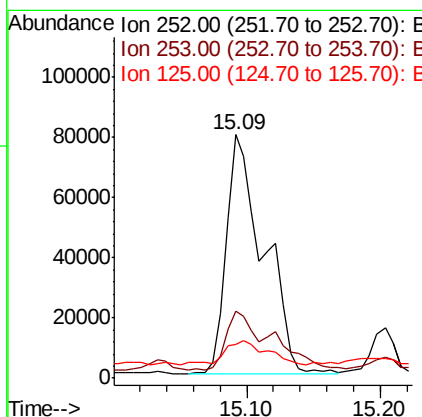
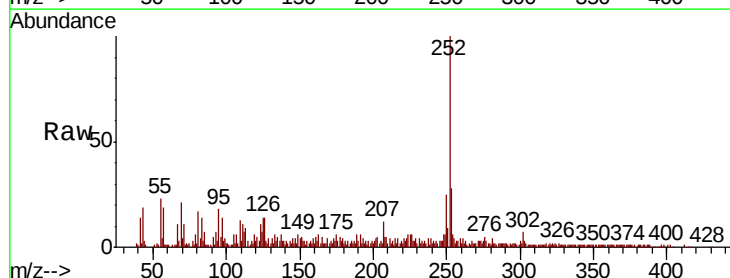
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.9	17.3	25.9

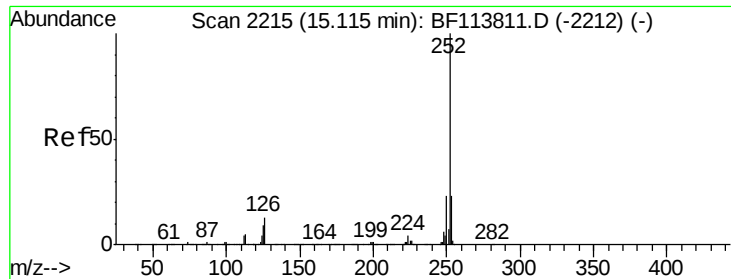


#88
Benzo(b)fluoranthene
Concen: 5.279 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF113857.D
Acq: 19 Apr 2019 14:41

Tgt Ion: 252 Resp: 155815

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.8	26.6#
125	14.1	7.0	10.6#





#89

Benzo(k)fluoranthene

Concen: 5.796 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.02 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-A

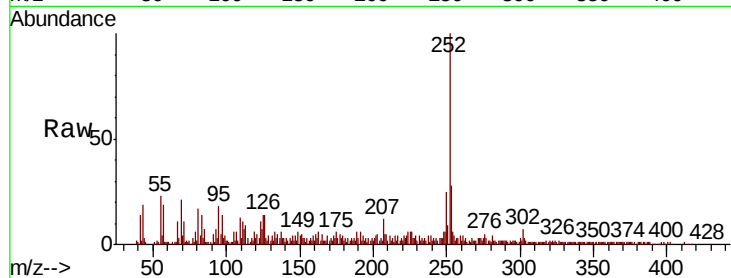
Tgt Ion:252 Resp: 155815

Ion Ratio Lower Upper

252 100

253 27.6 18.2 27.2#

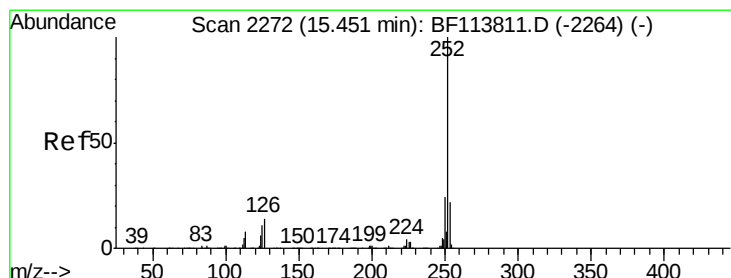
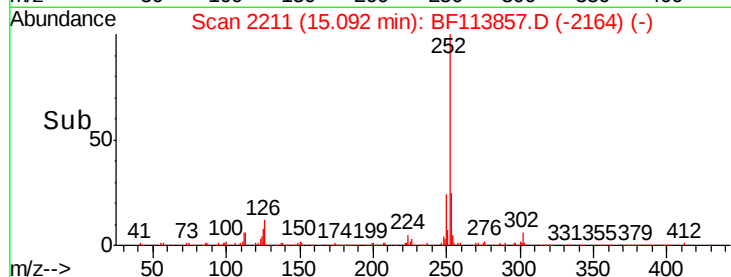
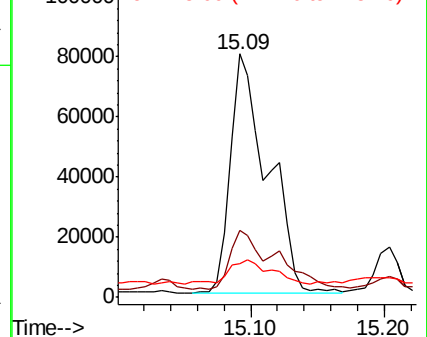
125 14.1 7.4 11.2#



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



#90

Benzo(a)pyrene

Concen: 3.023 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF113857.D

Acq: 19 Apr 2019 14:41

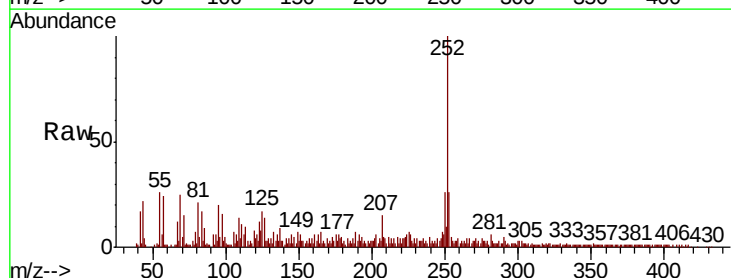
Tgt Ion:252 Resp: 78897

Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 16.6 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

