

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113709.D
 Acq On : 10 Apr 2019 21:21
 Operator : JU/SJ
 Sample : K2203-05 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 01:01:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

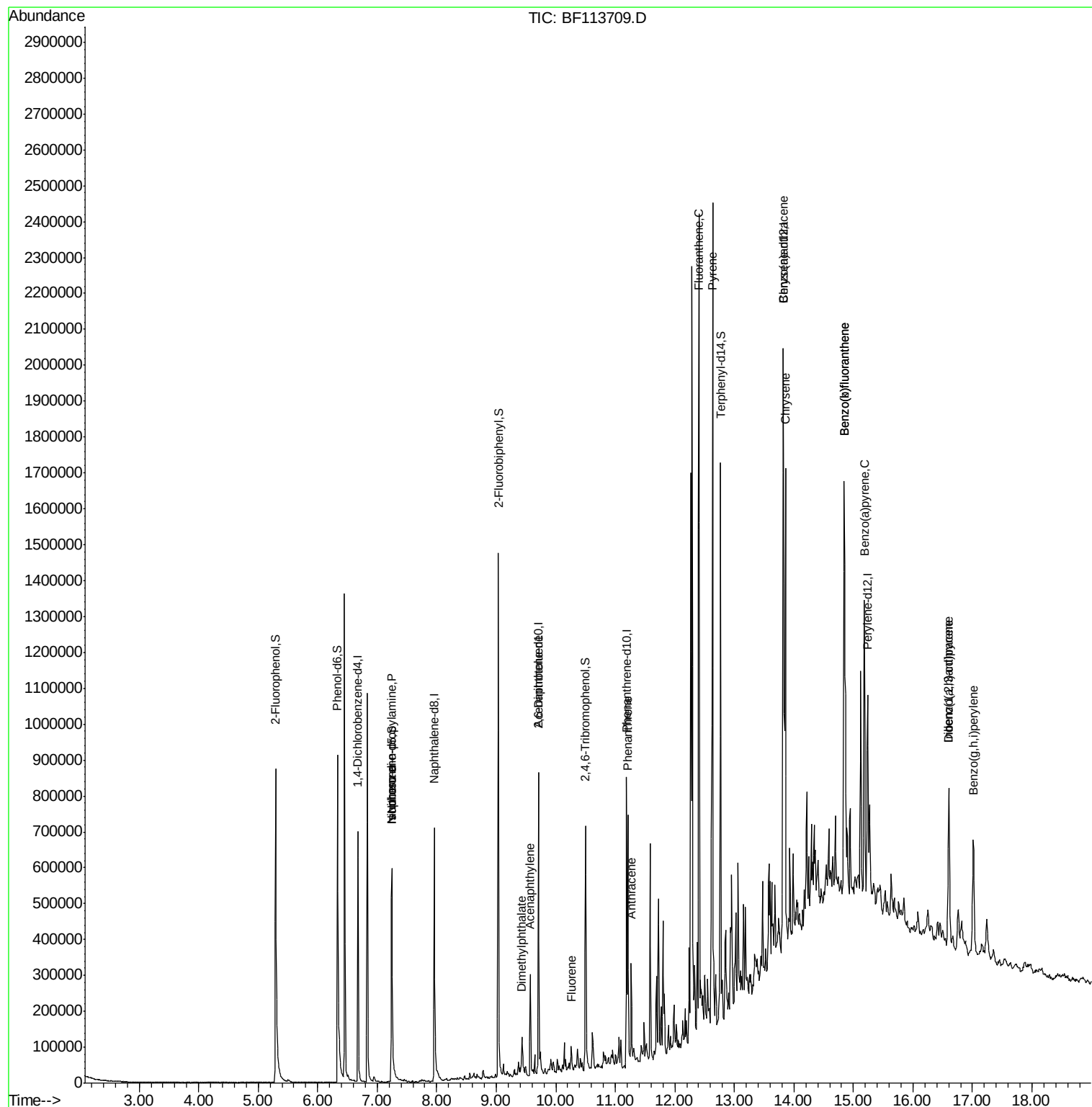
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	120108	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	422159	20.00	ng	-0.01
39) Acenaphthene-d10	9.71	164	167959	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	328514	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	308856	20.00	ng	-0.02
87) Perylene-d12	15.24	264	213251	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	378791	53.78	ng	0.00
7) Phenol-d6	6.33	99	491394	56.60	ng	0.00
23) Nitrobenzene-d5	7.25	82	268220	37.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	104502	51.80	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	480232	46.03	ng	-0.02
79) Terphenyl-d14	12.77	244	515242	33.97	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	33920	6.336	ng	Qvalue # 78
25) Isophorone	7.25	82	268219	19.319	ng	# 64
49) Acenaphthylene	9.57	152	130942	7.674	ng	99
50) Dimethylphthalate	9.43	163	43414	3.507	ng	99
51) 2,6-Dinitrotoluene	9.71	165	22474	8.235	ng	# 26
58) Fluorene	10.26	166	24745	2.183	ng	99
71) Phenanthrene	11.22	178	266428	16.321	ng	98
72) Anthracene	11.27	178	128675	7.748	ng	98
75) Fluoranthene	12.40	202	915169	52.318	ng	100
78) Pyrene	12.63	202	975088	41.492	ng	99
81) Benzo(a)anthracene	13.82	228	599380	33.642	ng	95
83) Chrysene	13.86	228	555166	30.739	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	272332	16.331	ng	96
88) Benzo(b)fluoranthene	14.84	252	823800	63.109	ng	98
89) Benzo(k)fluoranthene	14.84	252	823800	70.318	ng	# 97
90) Benzo(a)pyrene	15.19	252	432216	37.262	ng	99
91) Dibenzo(a,h)anthracene	16.60	278	72485	6.682	ng	# 85
92) Benzo(g,h,i)perylene	17.02	276	268697	24.269	ng	96

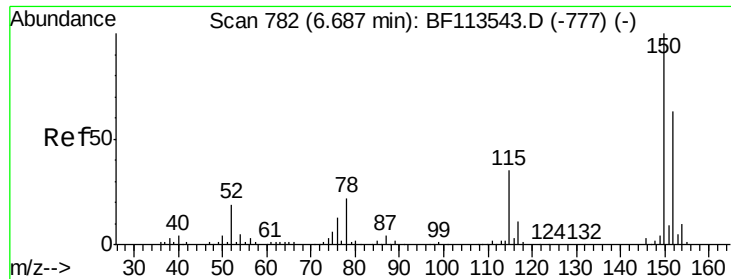
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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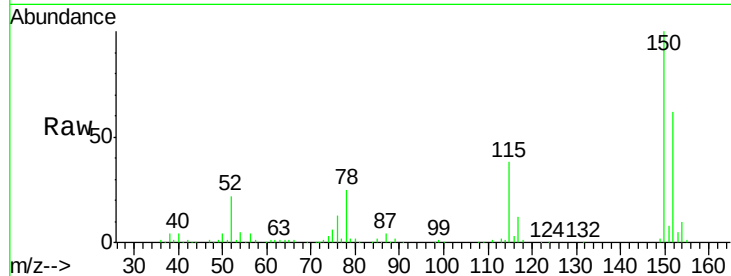


#1

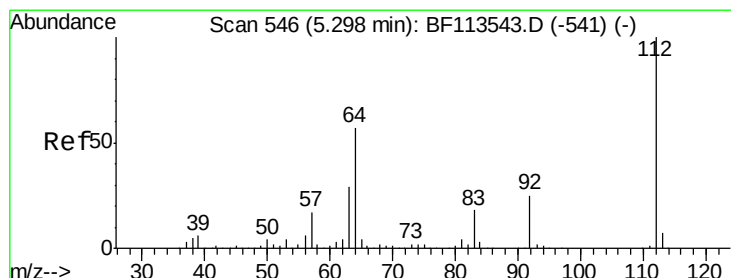
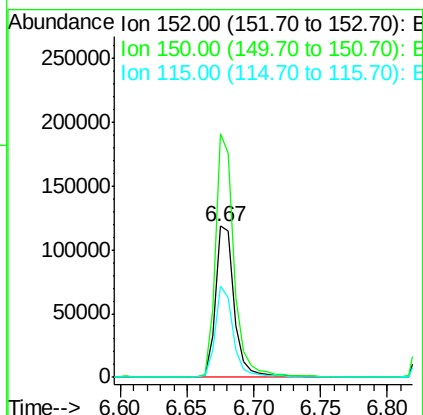
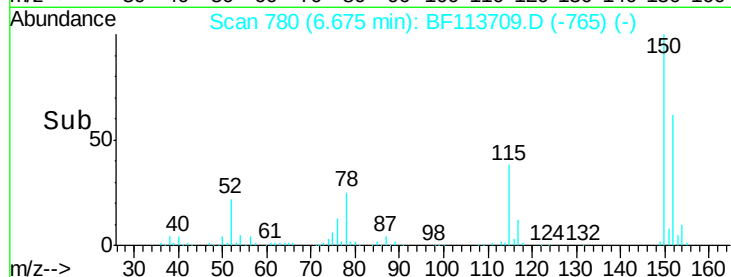
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.7	187.1
115	60.6	46.0	69.0



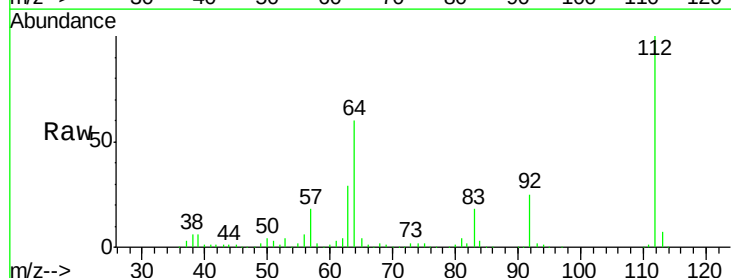
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



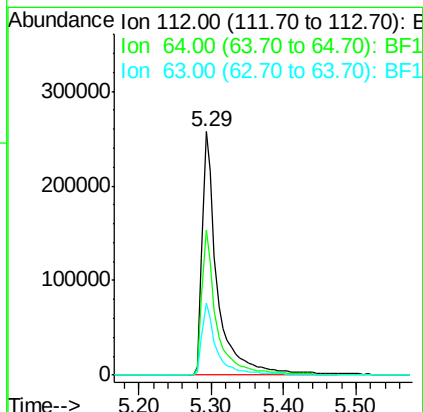
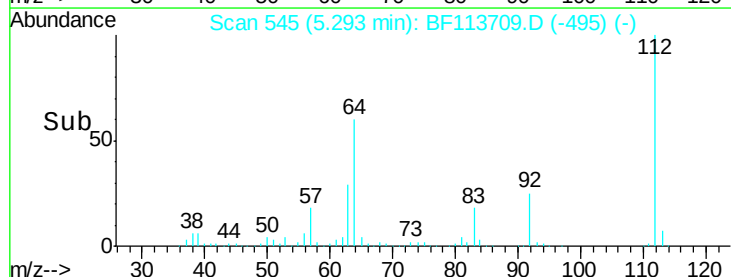
#5

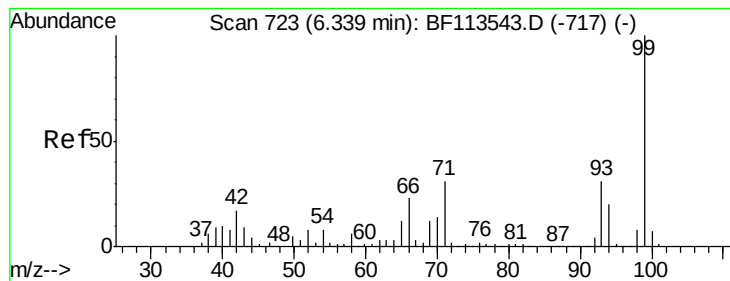
2-Fluorophenol
Concen: 53.779 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	49.2	73.8
63	29.4	24.9	37.3



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: 56.605 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

ClientSampleId :

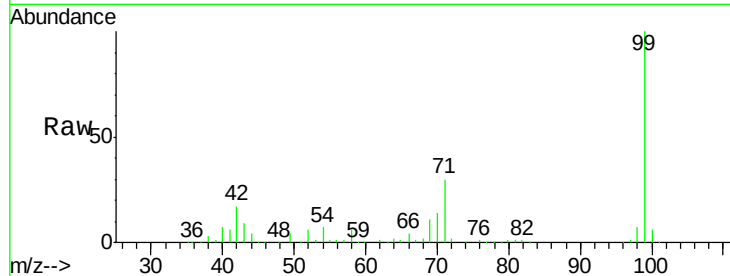
Tot Ion: 99 Resp: 491394

Ion Ratio Lower Upper

99 100

42 16.7 14.8 22.2

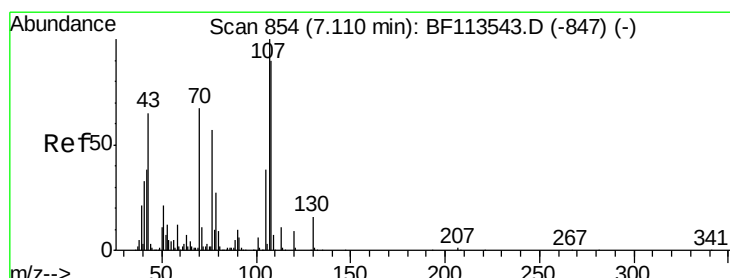
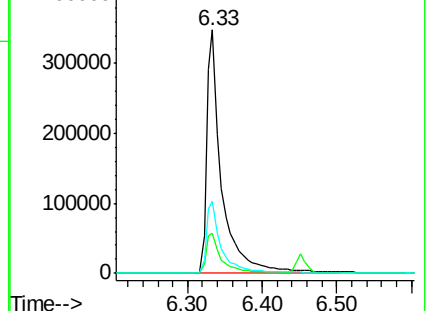
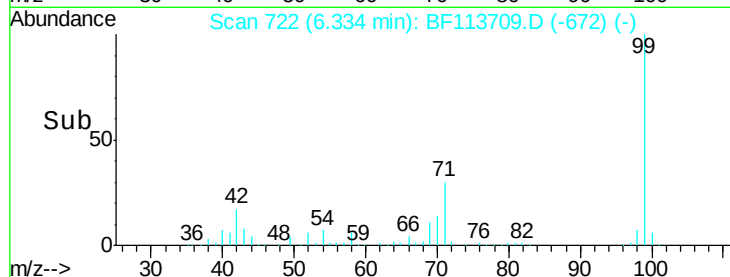
71 29.6 24.9 37.3



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: 6.336 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Tgt Ion: 70 Resp: 33920

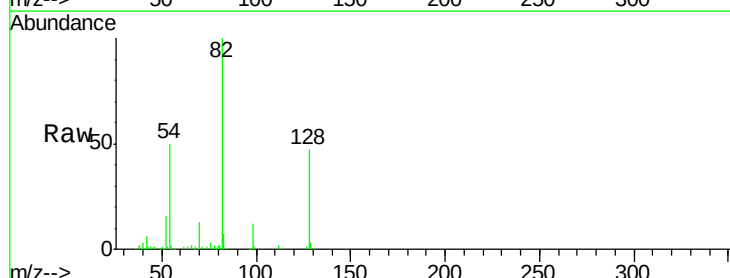
Ion Ratio Lower Upper

70 100

42 50.0 48.4 72.6

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

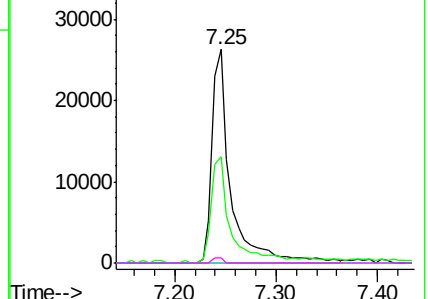
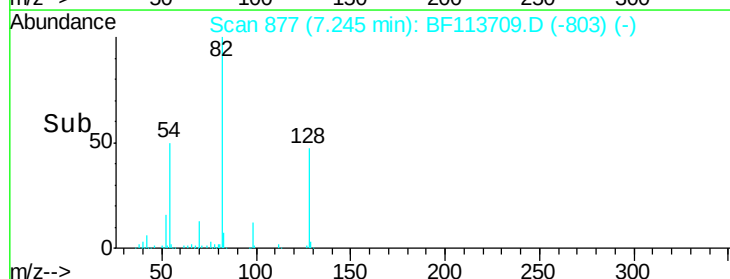


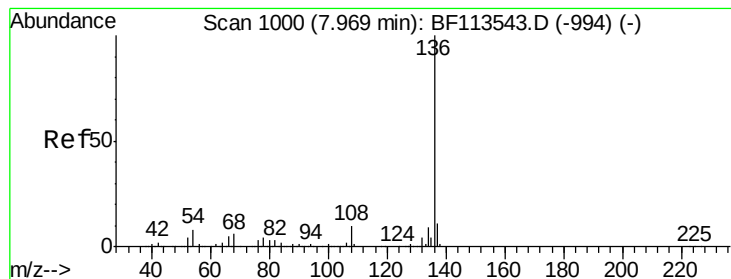
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

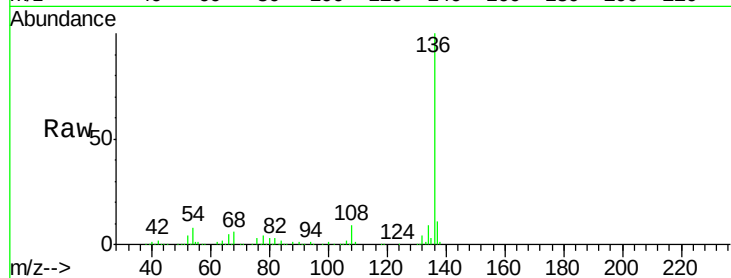




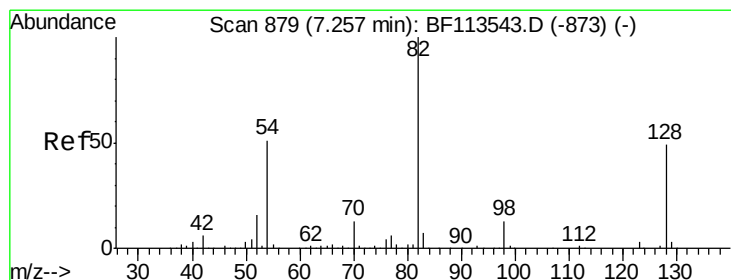
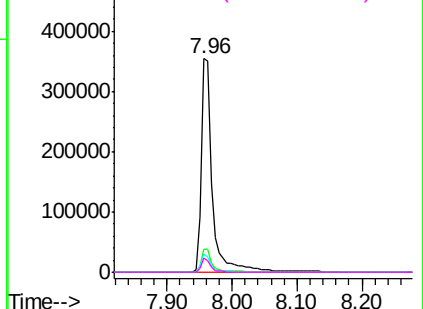
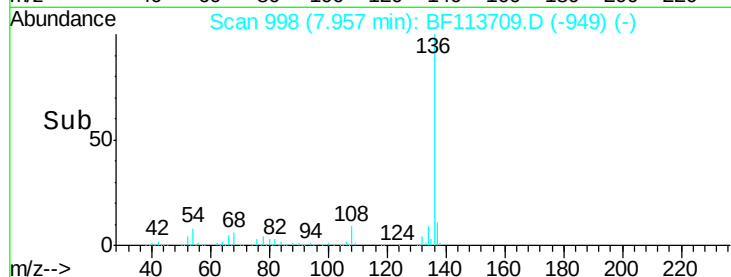
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	422159
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	8.4	7.0 10.6
68	6.4	4.8 7.2

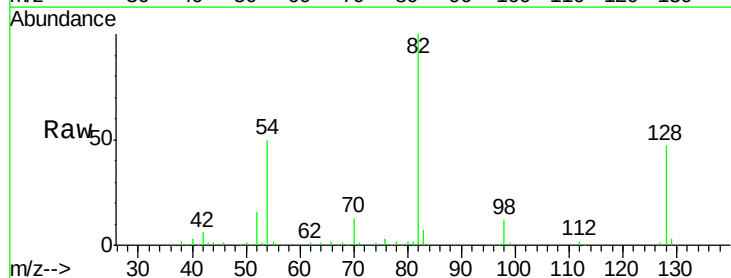


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

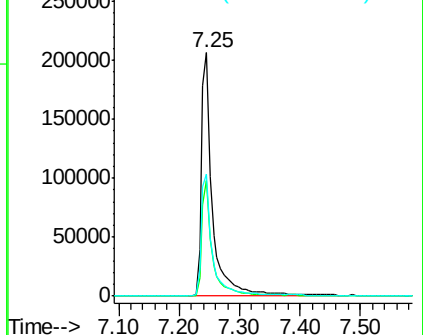
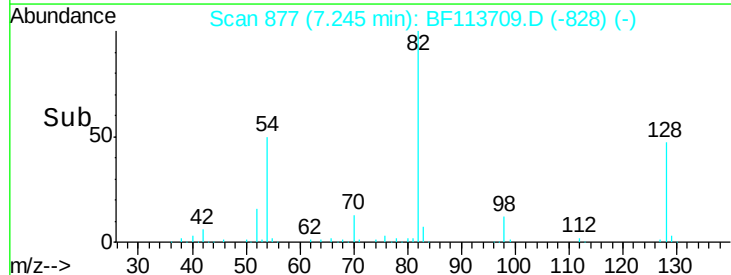


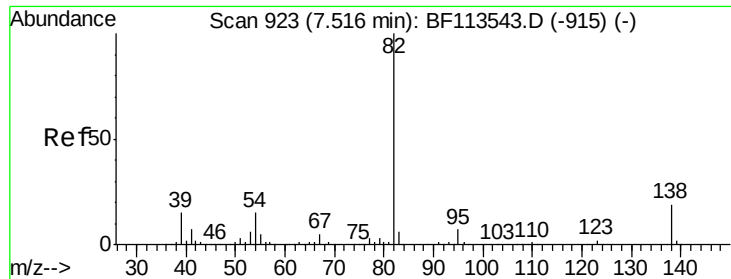
#23
Nitrobenzene-d5
Concen: 37.216 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Tgt Ion: 82	Resp:	268220
Ion	Ratio	Lower Upper
82	100	
128	47.5	36.5 54.7
54	50.3	42.2 63.2



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: 19.319 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

ClientSampleId :

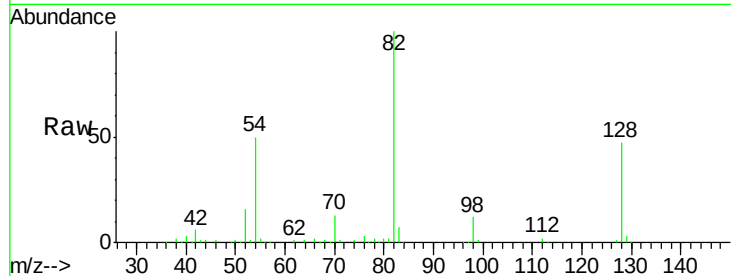
Tot Ion: 82 Resp: 268219

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

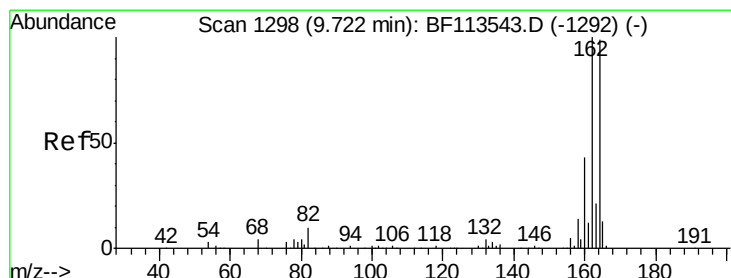
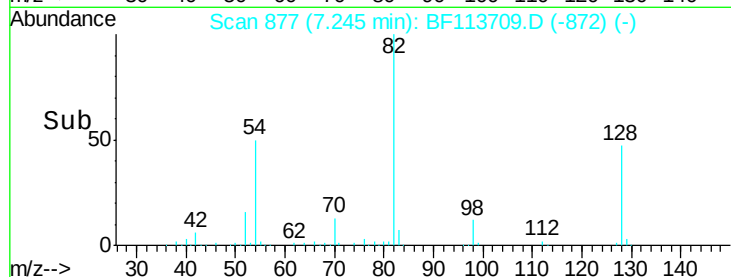
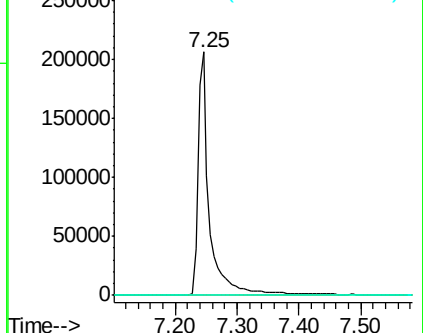
138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

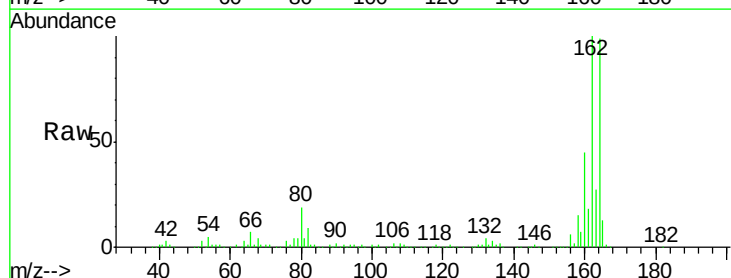
Tgt Ion:164 Resp: 167959

Ion Ratio Lower Upper

164 100

162 100.6 81.8 122.6

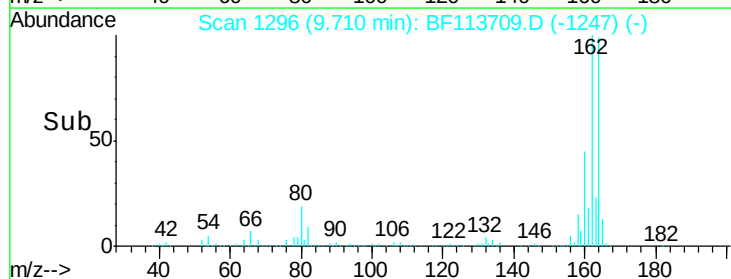
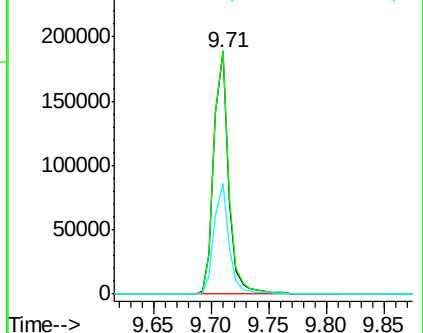
160 45.7 36.4 54.6

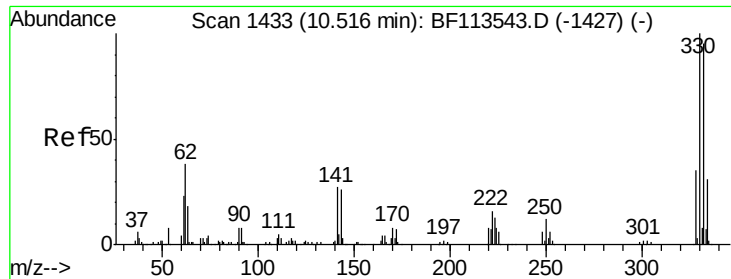


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

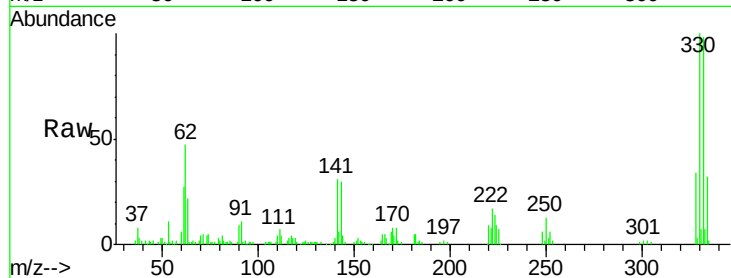




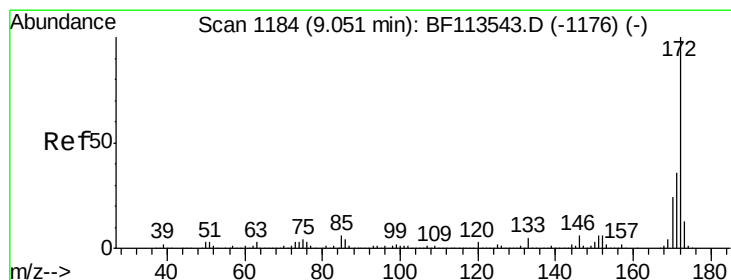
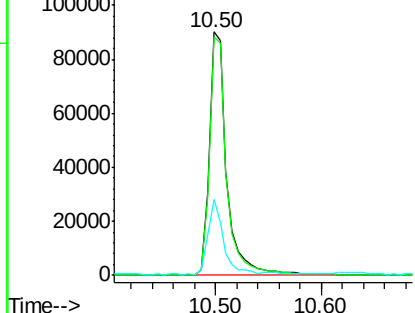
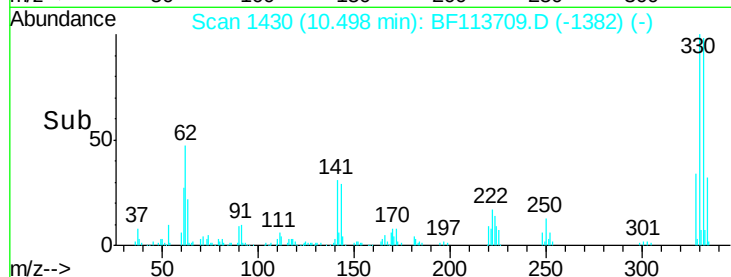
#42
 2,4,6-Tribromophenol
 Concen: 51.795 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113709.D
 Acq: 10 Apr 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.8	116.6
141	28.3	22.7	34.1

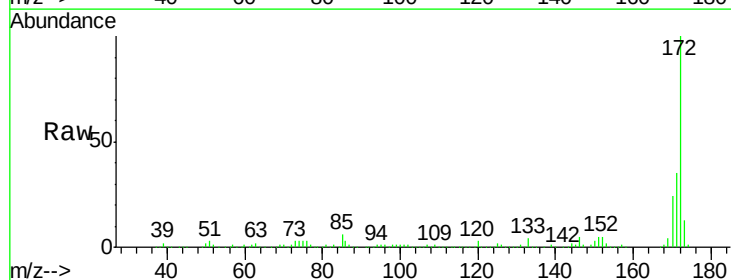


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

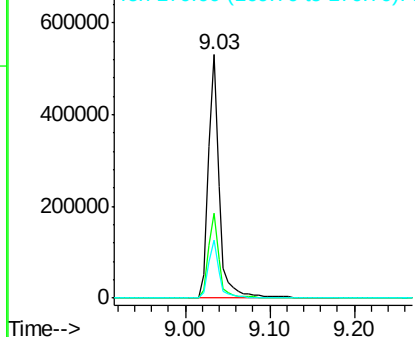
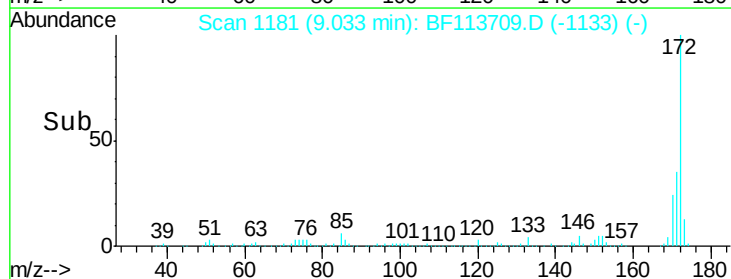


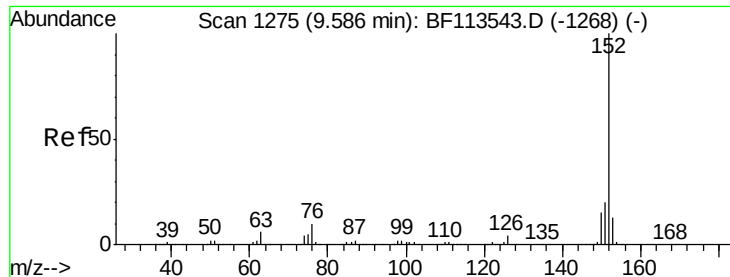
#45
 2-Fluorobiphenyl
 Concen: 46.030 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113709.D
 Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.0	43.6
170	23.6	19.5	29.3



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





#49

Acenaphthylene

Concen: 7.674 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

ClientSampleId :

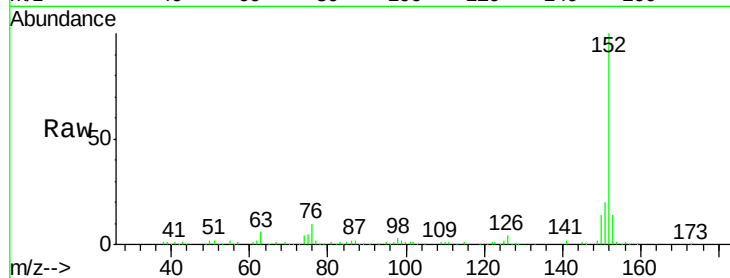
Tot Ion:152 Resp: 130942

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.4

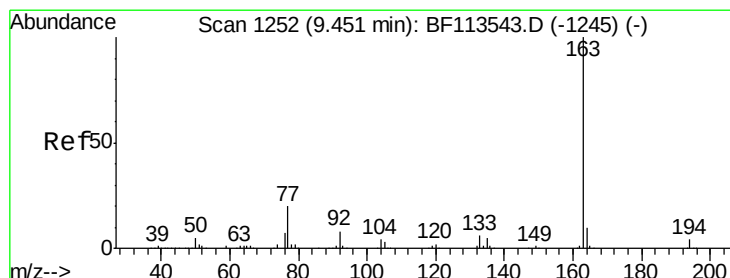
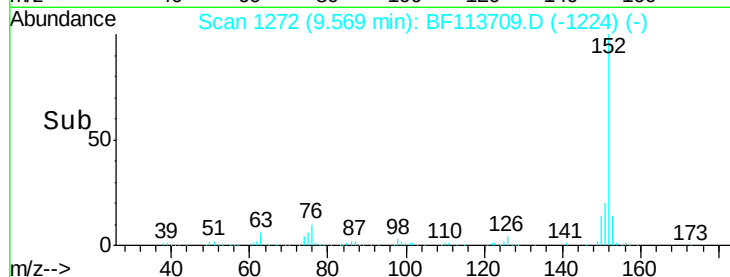
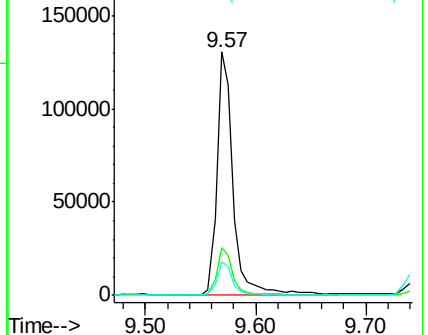
153 13.7 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 3.507 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

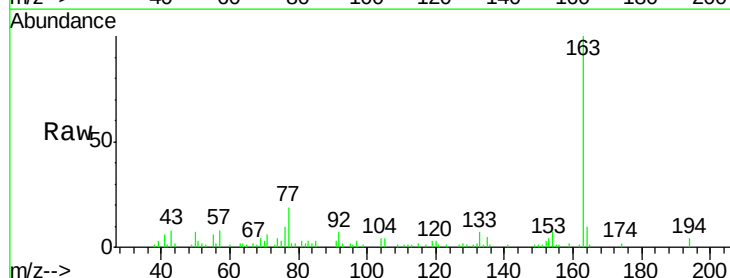
Tgt Ion:163 Resp: 43414

Ion Ratio Lower Upper

163 100

194 4.4 3.0 4.6

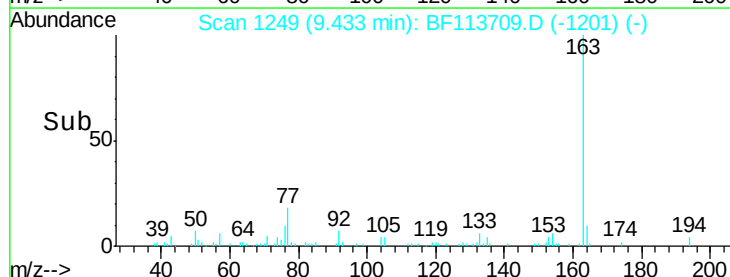
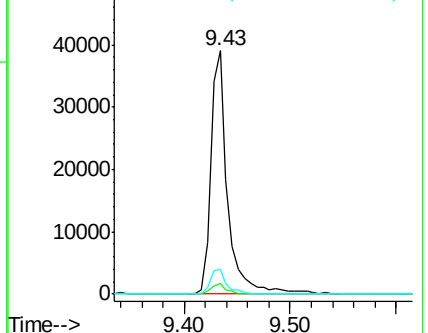
164 10.0 8.1 12.1

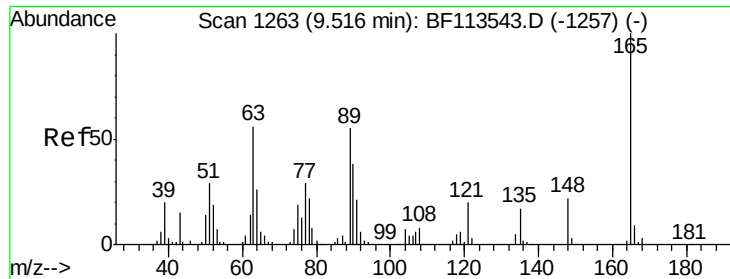


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.235 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.19 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

ClientSampleId :

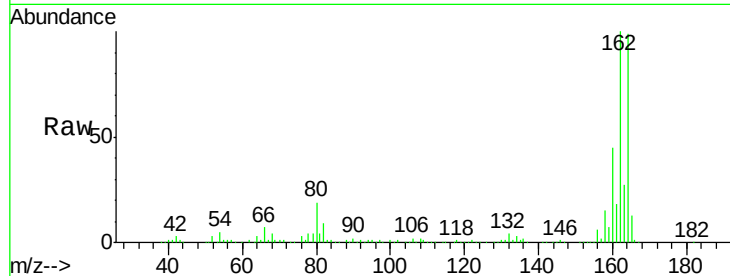
Tot Ion:165 Resp: 22474

Ion Ratio Lower Upper

165 100

63 1.3 43.4 65.0#

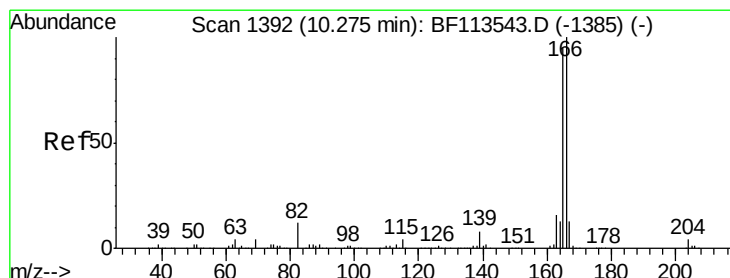
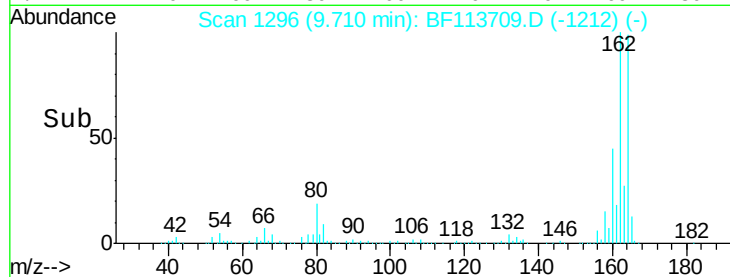
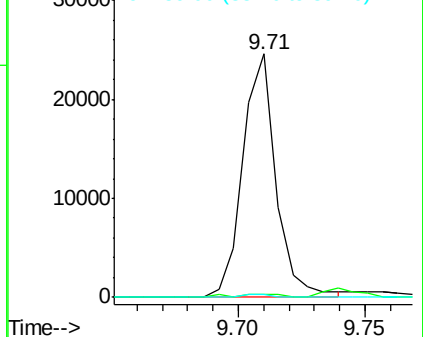
89 1.3 43.1 64.7#



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



#58

Fluorene

Concen: 2.183 ng

RT: 10.26 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

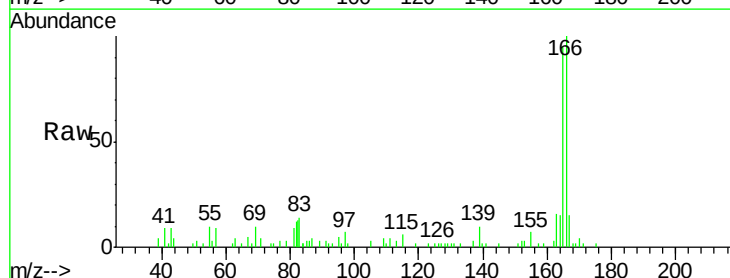
Tgt Ion:166 Resp: 24745

Ion Ratio Lower Upper

166 100

165 95.3 76.2 114.2

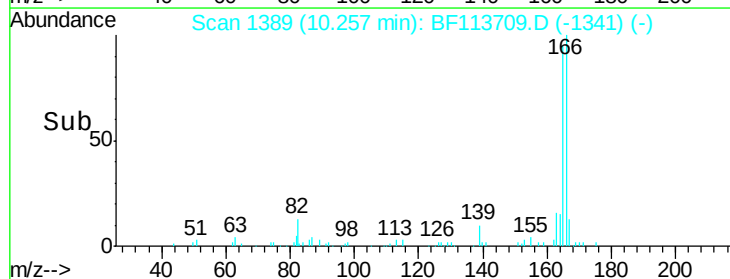
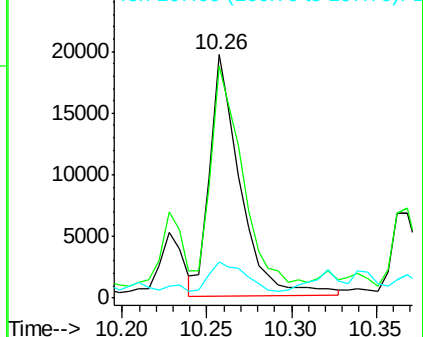
167 15.1 10.7 16.1

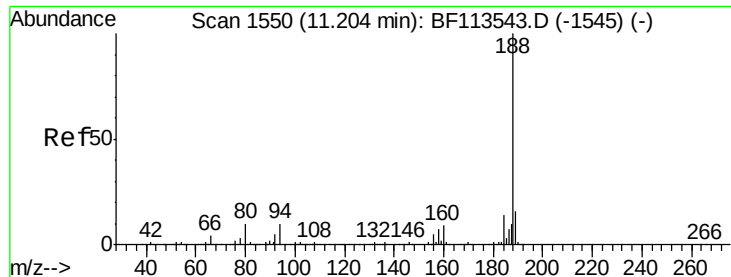


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

ClientSampleId :

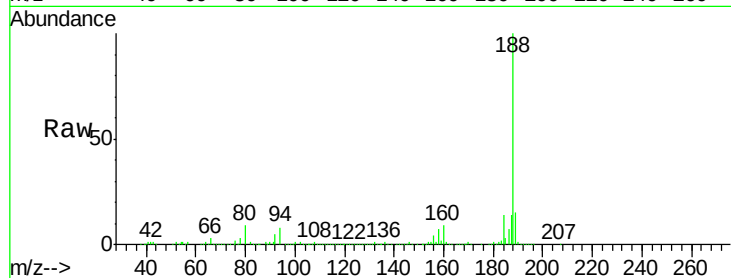
Tot Ion:188 Resp: 328514

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.6

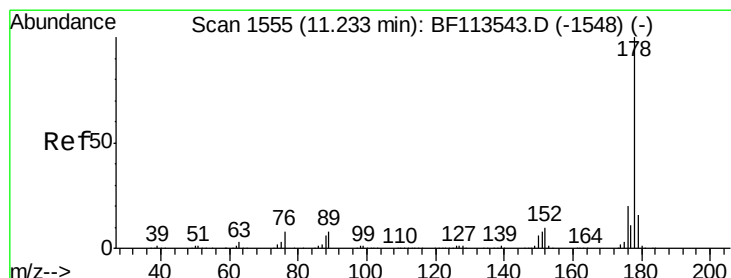
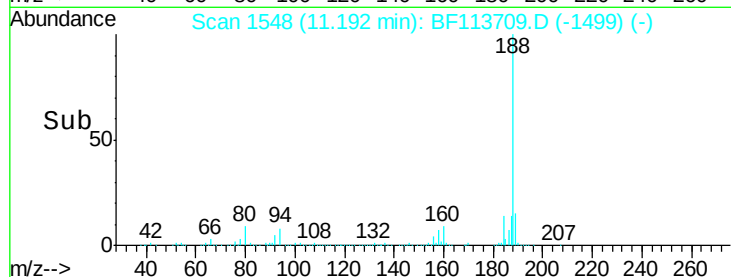
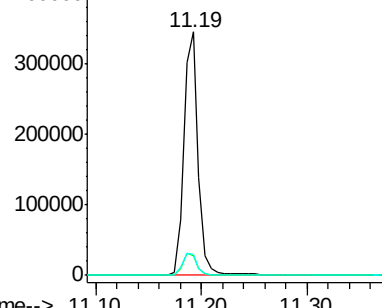
80 8.8 7.7 11.5



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



#71

Phenanthrene

Concen: 16.321 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

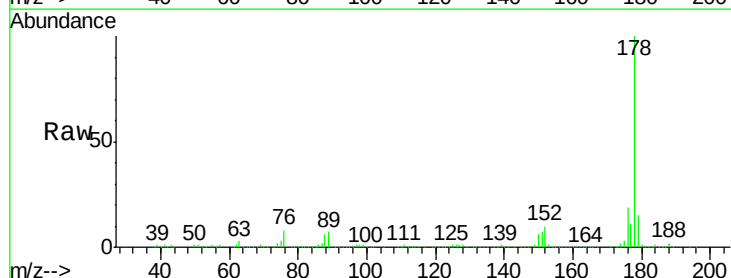
Tgt Ion:178 Resp: 266428

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.2

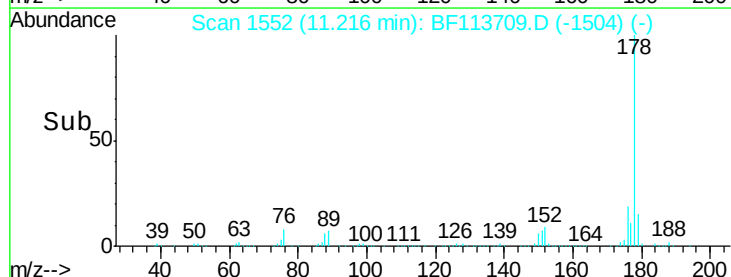
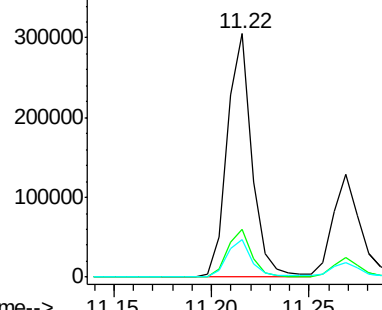
179 15.2 12.7 19.1

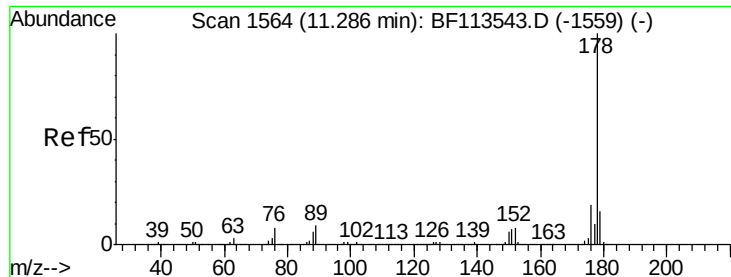


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

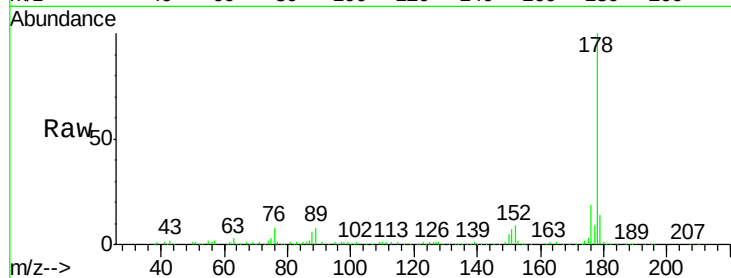




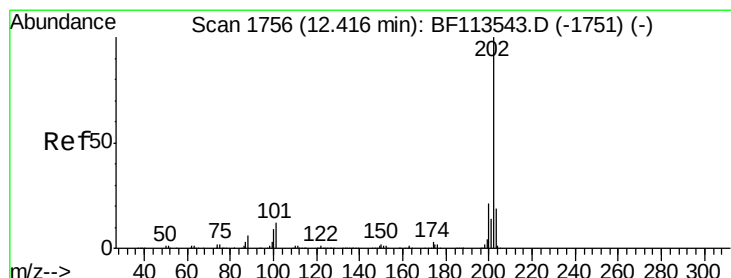
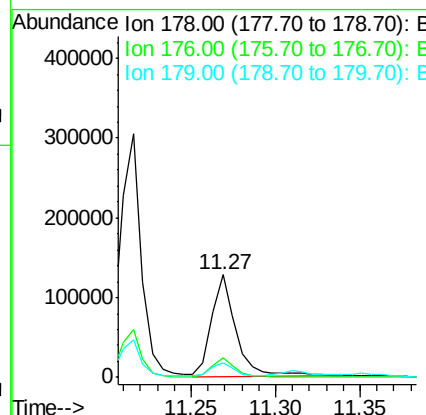
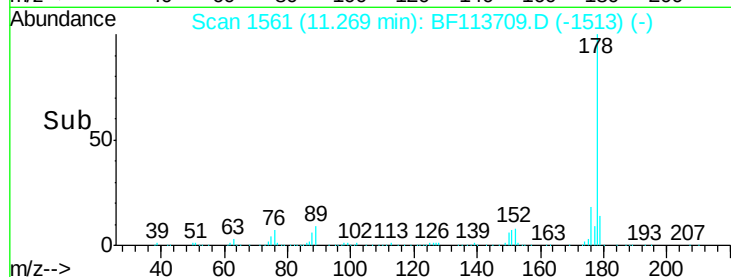
#72
 Anthracene
 Concen: 7.748 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: BF113709.D
 Acq: 10 Apr 2019 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.4	12.8	19.2

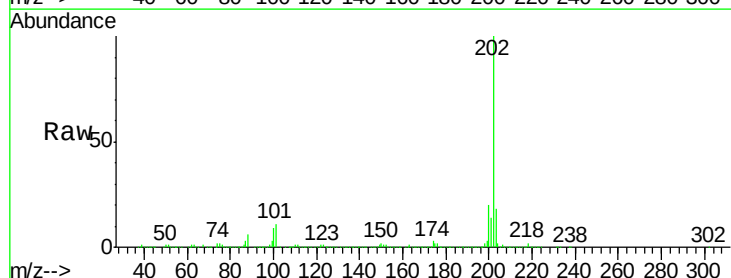


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

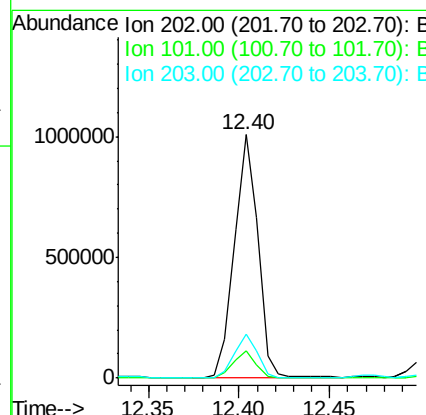
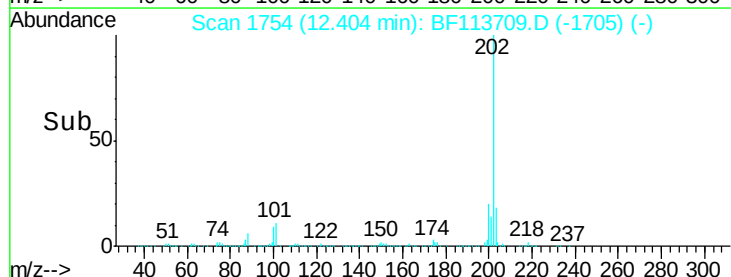


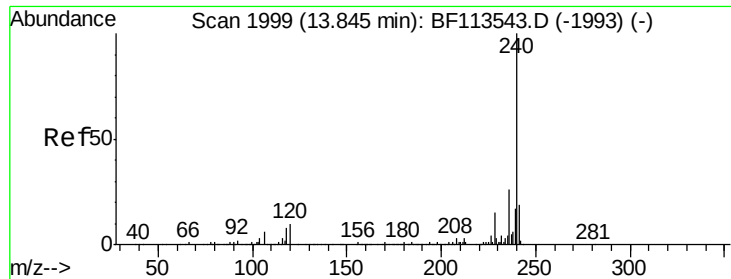
#75
 Fluoranthene
 Concen: 52.318 ng
 RT: 12.40 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF113709.D
 Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	18.1	0.0	38.0



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

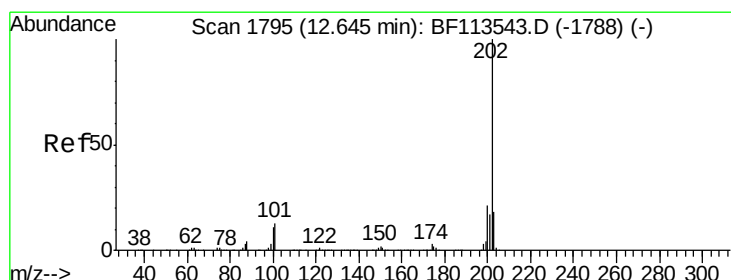
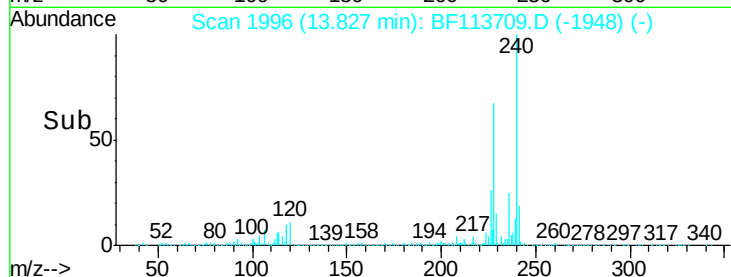
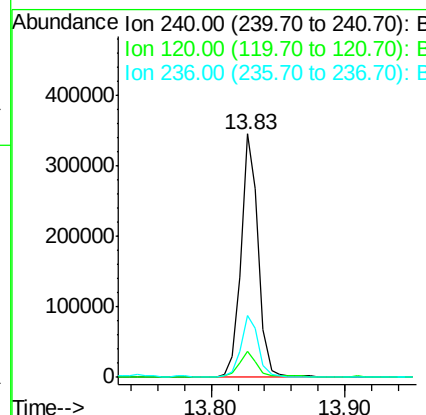
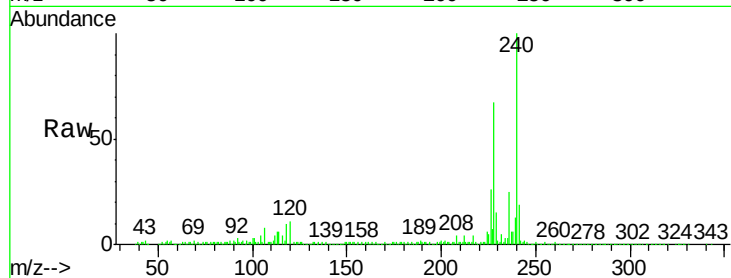




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

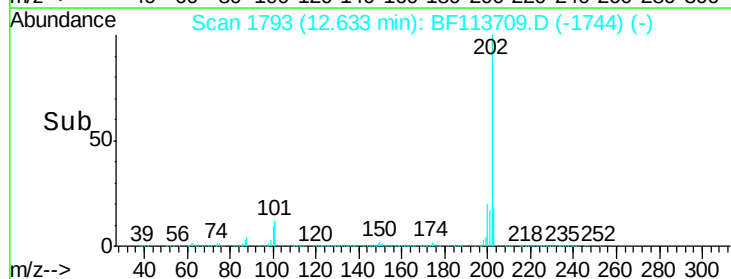
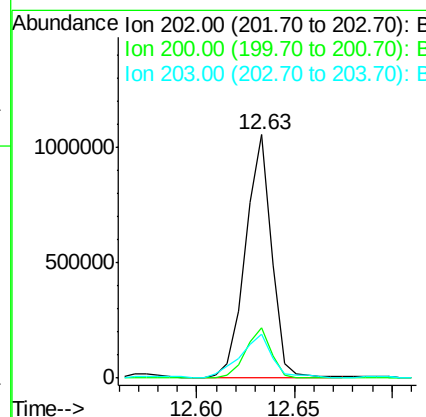
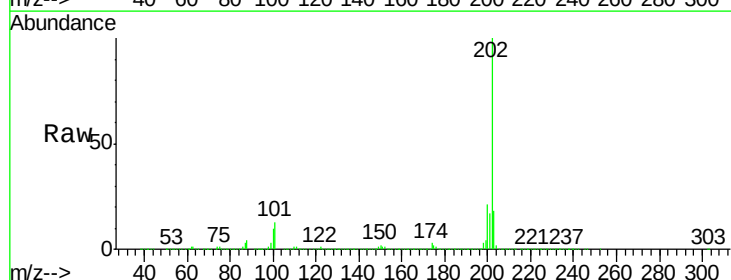
Instrument :
BNA_F
ClientSampleId :

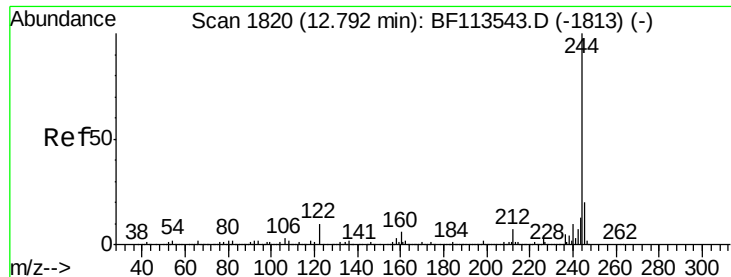
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.8	13.2
236	25.3	20.9	31.3



#78
Pyrene
Concen: 41.492 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	18.0	14.4	21.6





#79

Terphenyl-d14

Concen: 33.965 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

ClientSampleId :

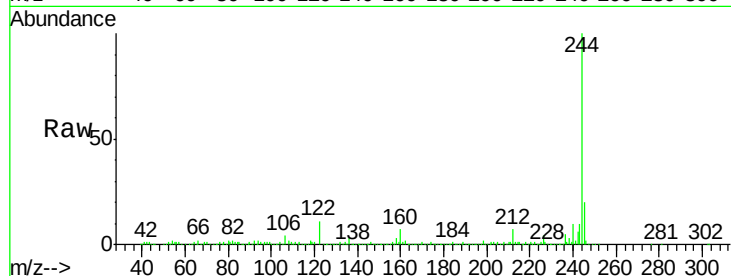
Tot Ion:244 Resp: 515242

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

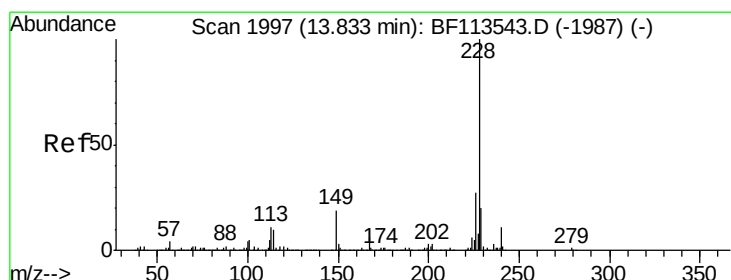
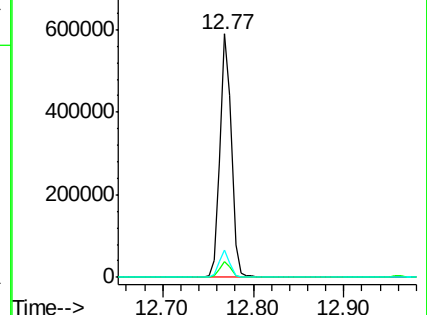
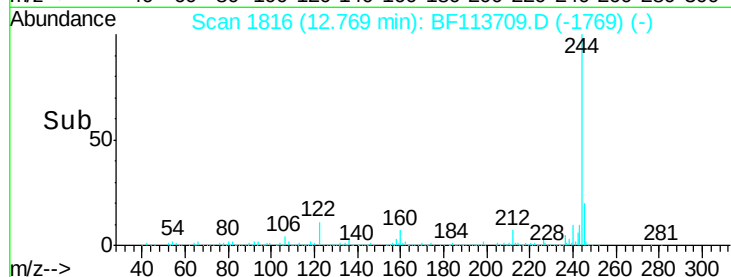
122 11.3 8.6 13.0



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: 33.642 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

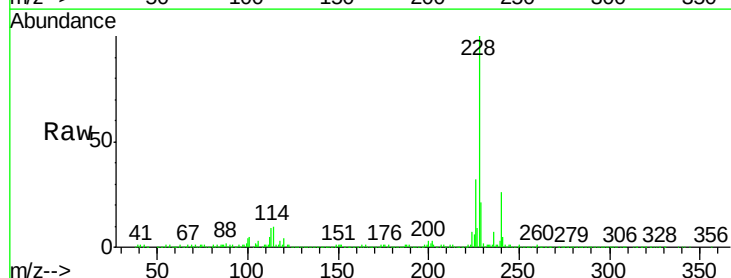
Tgt Ion:228 Resp: 599380

Ion Ratio Lower Upper

228 100

226 31.7 21.8 32.8

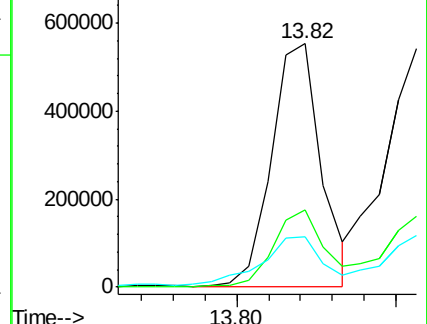
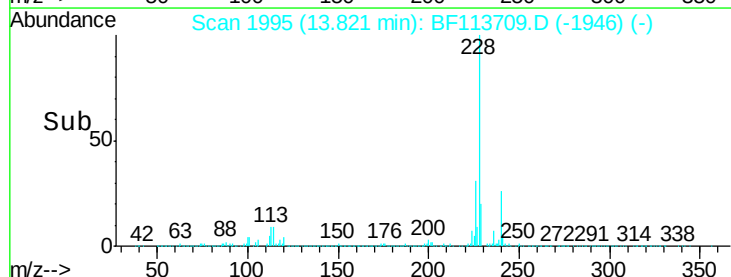
229 20.8 16.2 24.4

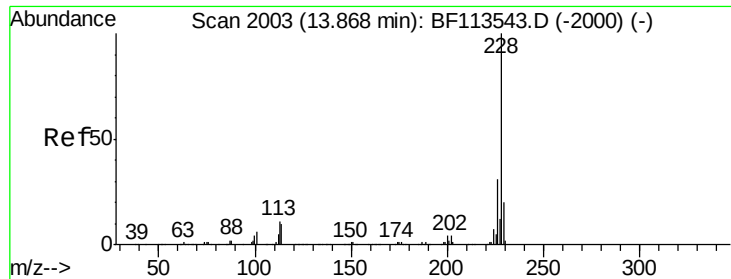


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 30.739 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

ClientSampleId :

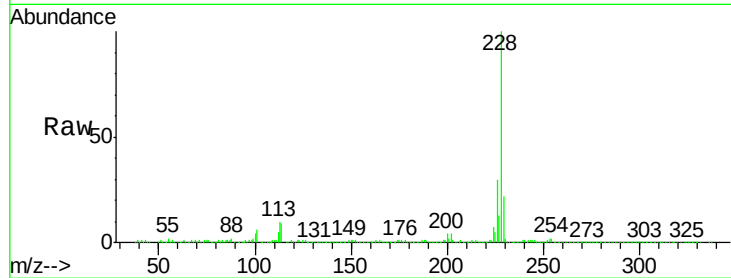
Tot Ion:228 Resp: 555166

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

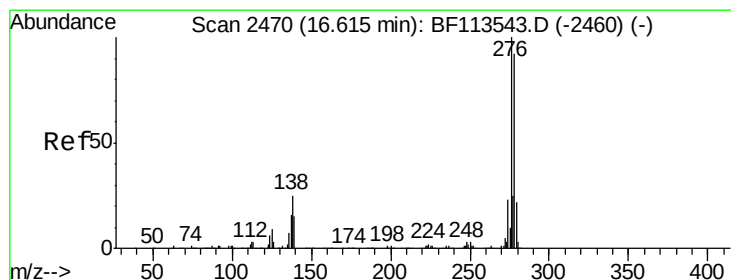
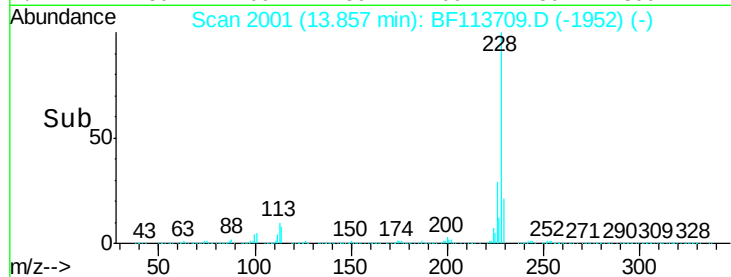
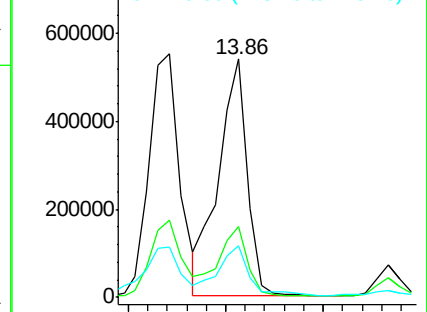
229 21.8 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 16.331 ng

RT: 16.60 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

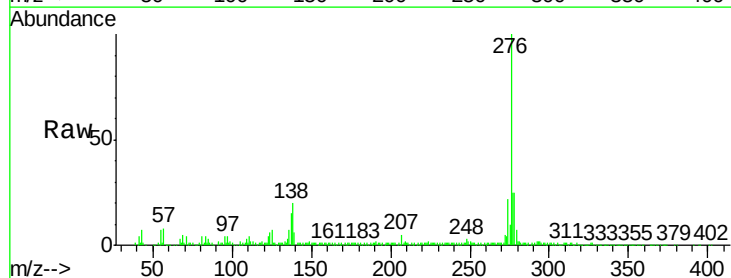
Tgt Ion:276 Resp: 272332

Ion Ratio Lower Upper

276 100

138 19.4 18.1 27.1

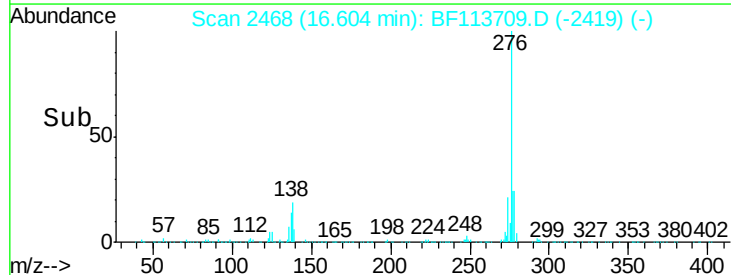
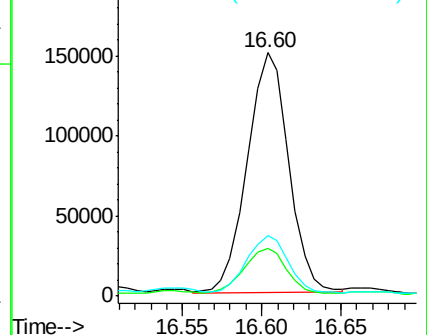
277 24.2 20.2 30.4

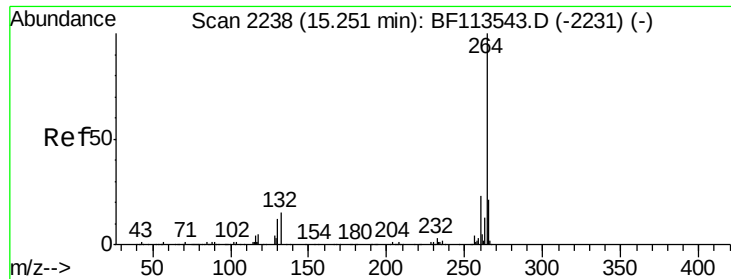


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

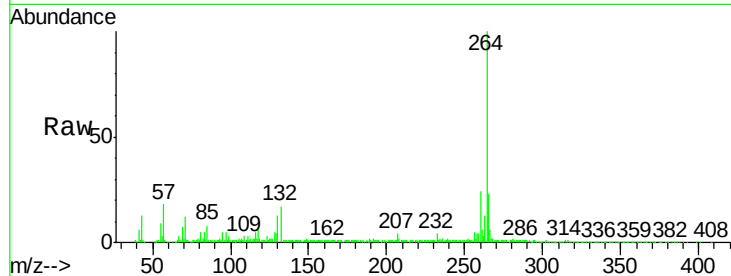




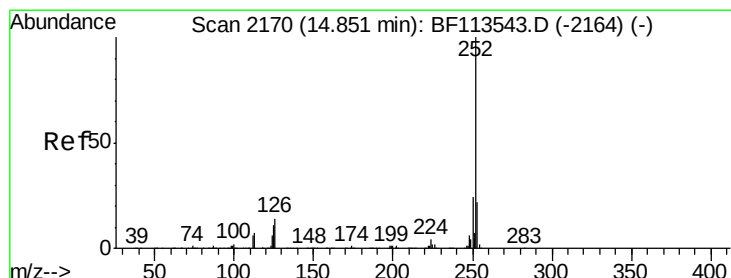
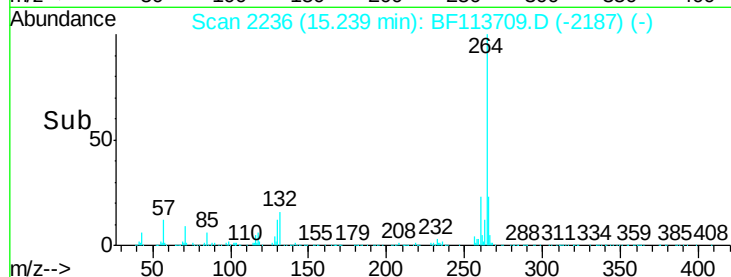
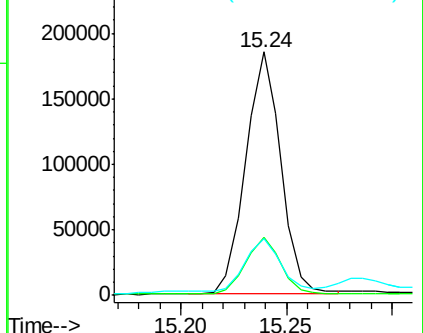
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	23.2	17.1	25.7

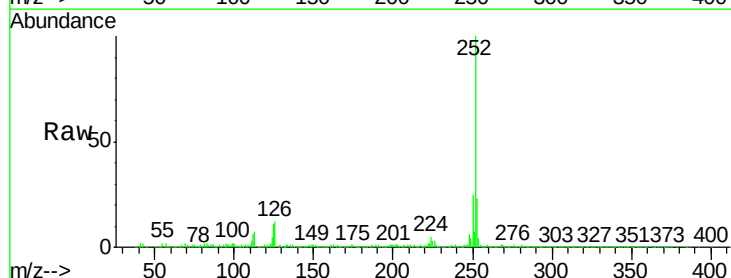


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

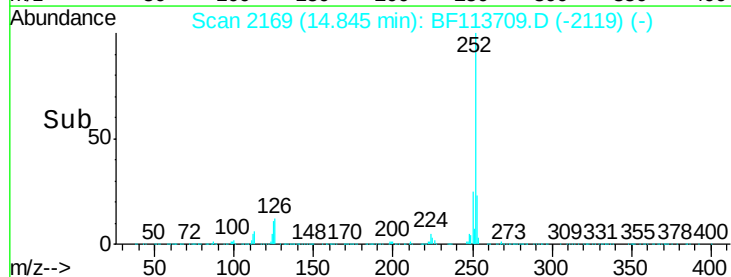
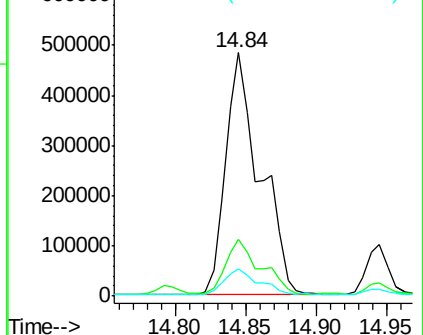


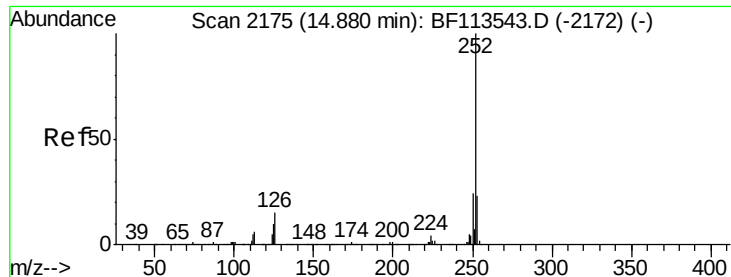
#88
Benzo(b)fluoranthene
Concen: 63.109 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113709.D
Acq: 10 Apr 2019 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.1	7.6	11.4



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: 70.318 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

ClientSampleId :

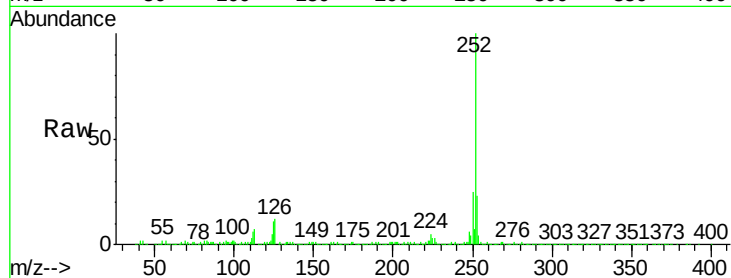
Tot Ion:252 Resp: 823800

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

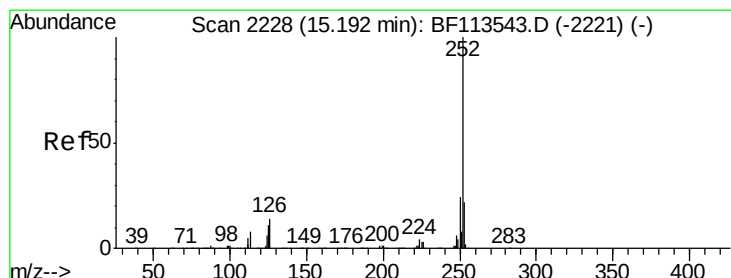
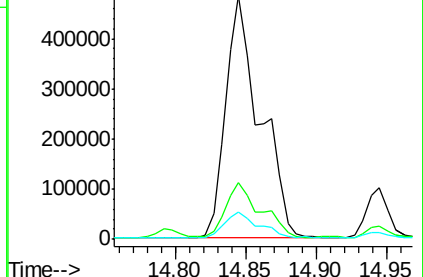
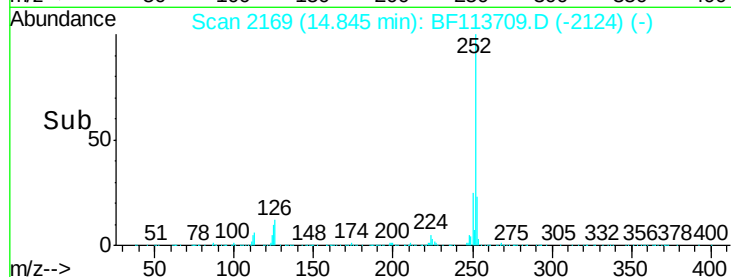
125 11.1 7.3 10.9#



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: 37.262 ng

RT: 15.19 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

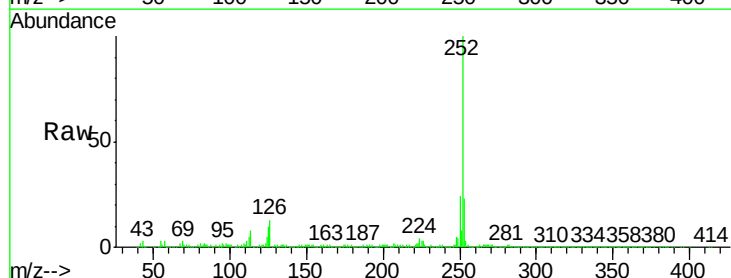
Tgt Ion:252 Resp: 432216

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

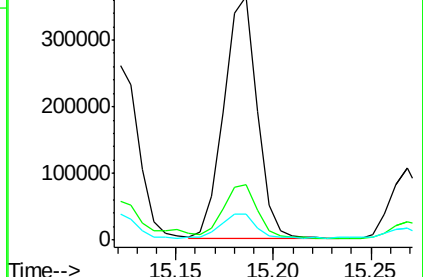
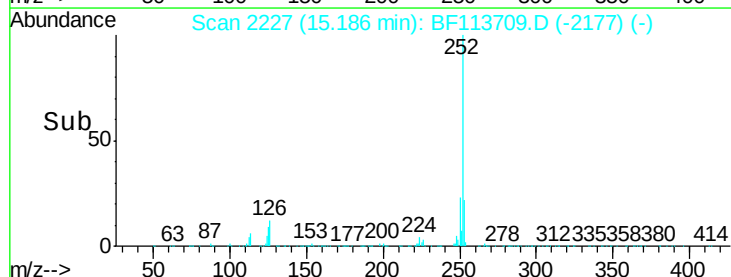
125 10.5 8.8 13.2

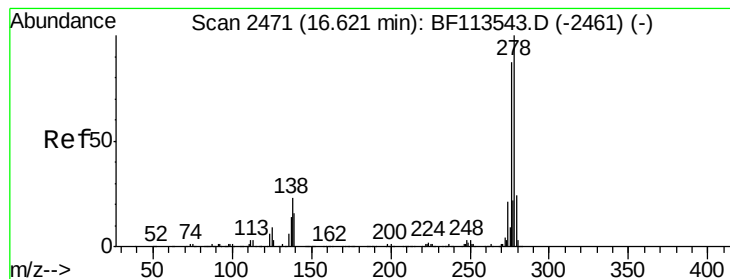


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 6.682 ng

RT: 16.60 min Scan# 2468

Delta R.T. -0.02 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

Instrument :

BNA_F

ClientSampleId :

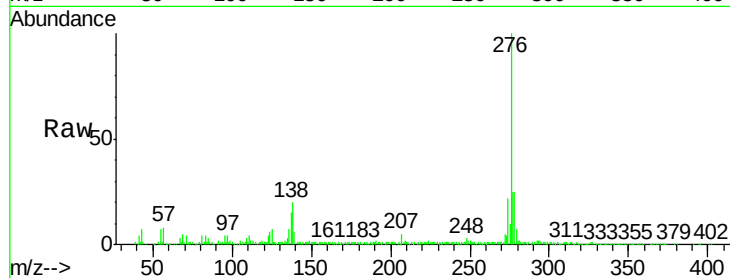
Tot Ion:278 Resp: 72485

Ion Ratio Lower Upper

278 100

139 24.4 12.0 18.0#

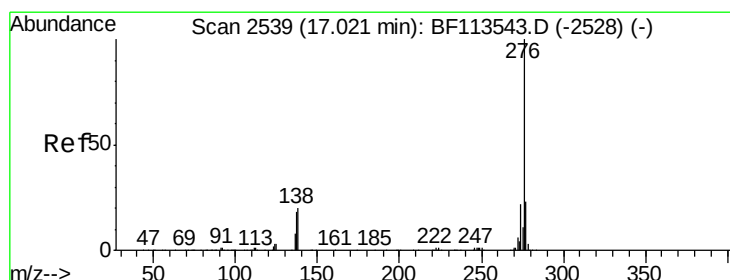
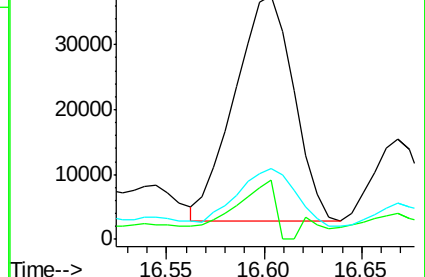
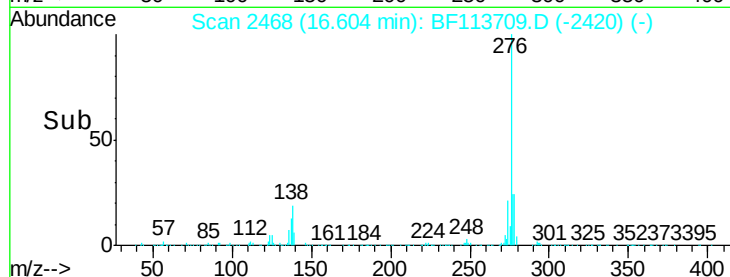
279 29.1 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 24.269 ng

RT: 17.02 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BF113709.D

Acq: 10 Apr 2019 21:21

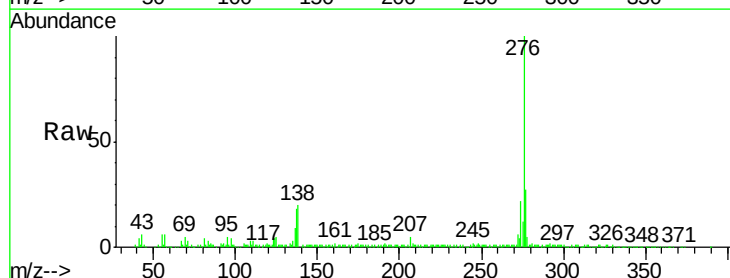
Tgt Ion:276 Resp: 268697

Ion Ratio Lower Upper

276 100

277 26.7 18.8 28.2

138 20.2 15.6 23.4



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

