

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040319\
 Data File : BF113570.D
 Acq On : 4 Apr 2019 4:18
 Operator : JU/SJ
 Sample : K2178-03 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 04 07:24:09 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

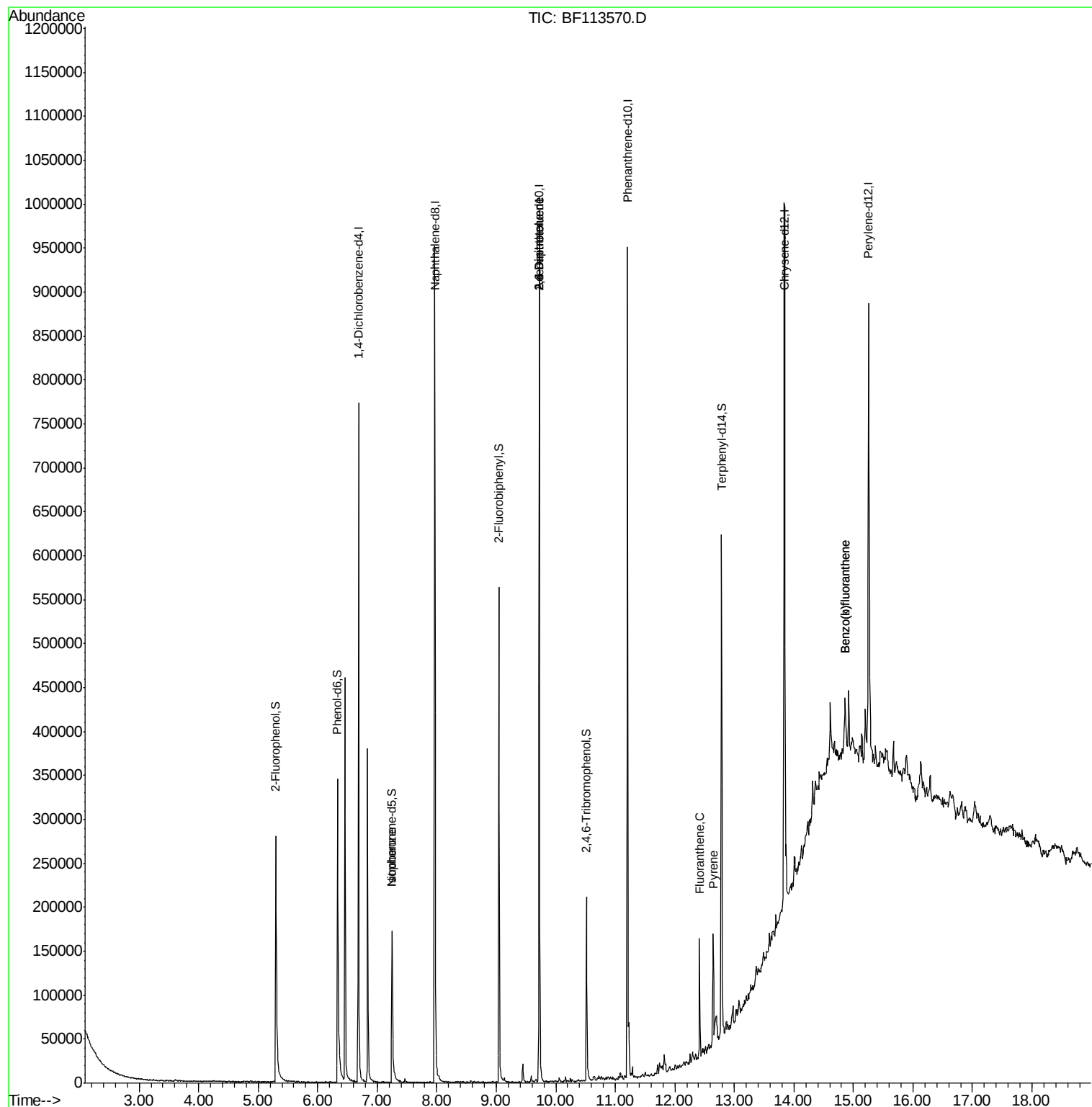
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	125006	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	448360	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	191351	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	371595	20.00	ng	0.00
76) Chrysene-d12	13.84	240	308840	20.00	ng	0.00
87) Perylene-d12	15.26	264	230096	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	119430	16.29	ng	0.00
7) Phenol-d6	6.33	99	165842	18.36	ng	0.00
23) Nitrobenzene-d5	7.25	82	82117	10.73	ng	-0.01
42) 2,4,6-Tribromophenol	10.52	330	34617	15.06	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	183992	15.48	ng	0.00
79) Terphenyl-d14	12.79	244	194881	12.85	ng	0.00
Target Compounds						
25) Isophorone	7.25	82	82117	5.569	ng	# 64
51) 2,6-Dinitrotoluene	9.72	165	24347	7.831	ng	# 25
57) 2,4-Dinitrotoluene	9.72	165	24347	6.475	ng	# 22
75) Fluoranthene	12.42	202	56386	2.850	ng	99
78) Pyrene	12.64	202	54025	2.299	ng	97
88) Benzo(b)fluoranthene	14.86	252	34340	2.438	ng	# 77
89) Benzo(k)fluoranthene	14.86	252	34340	2.717	ng	# 76

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

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Operator : JU/SJ
Sample : K2178-03 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 04 07:24:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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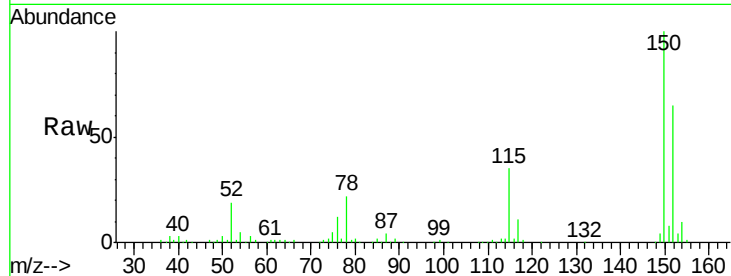


#1

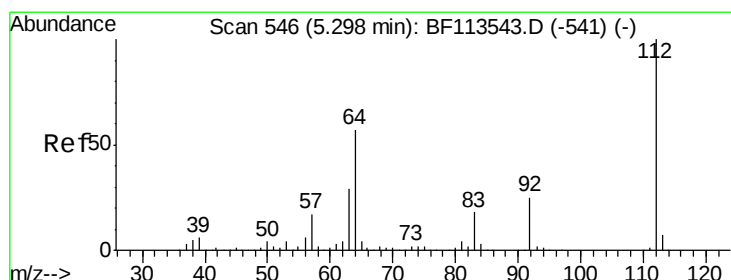
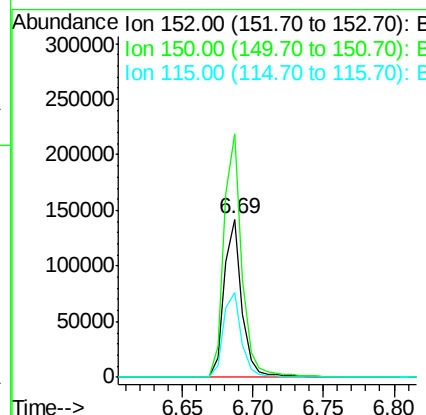
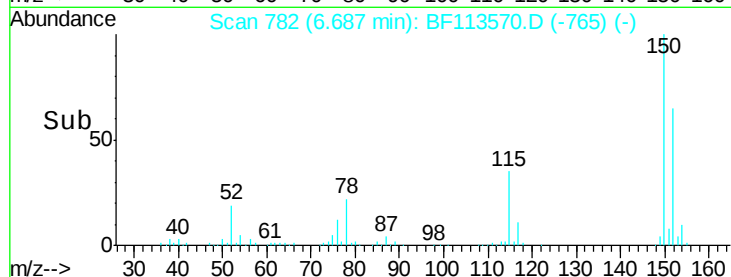
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF113570.D
Acq: 4 Apr 2019 4:18

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.7	187.1
115	54.0	46.0	69.0



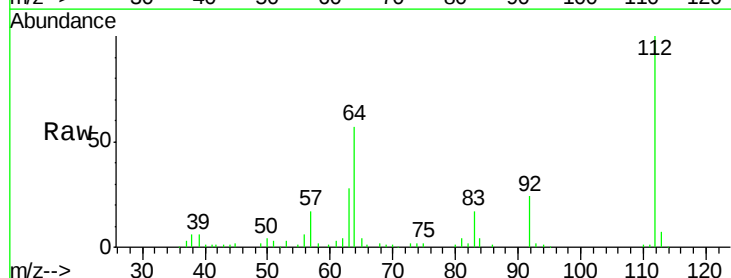
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



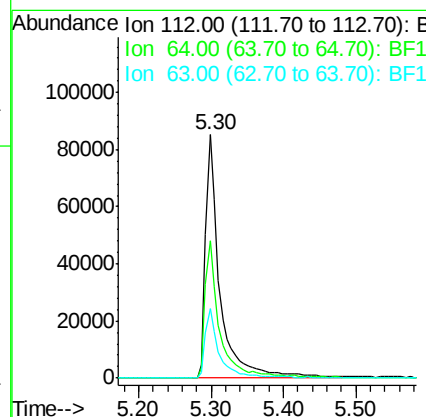
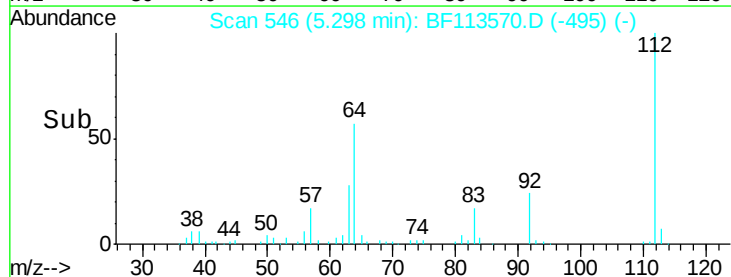
#5

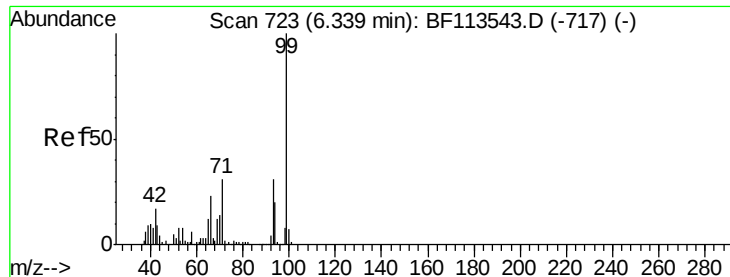
2-Fluorophenol
Concen: 16.292 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113570.D
Acq: 4 Apr 2019 4:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	49.2	73.8
63	28.3	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: 18.355 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113570.D

Acq: 4 Apr 2019 4:18

Instrument :

BNA_F

ClientSampleId :

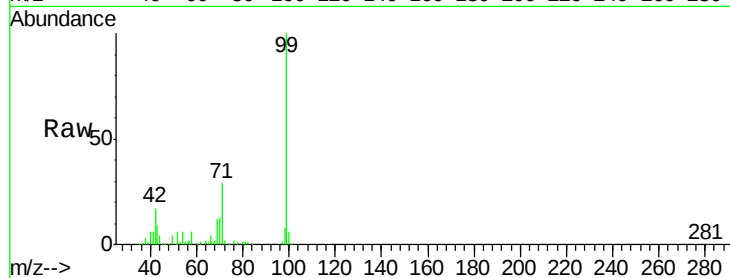
Tot Ion: 99 Resp: 165842

Ion Ratio Lower Upper

99 100

42 16.8 14.8 22.2

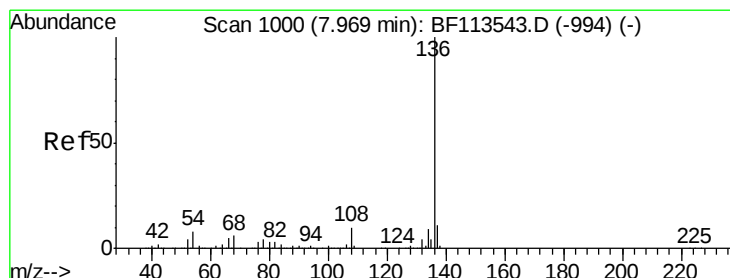
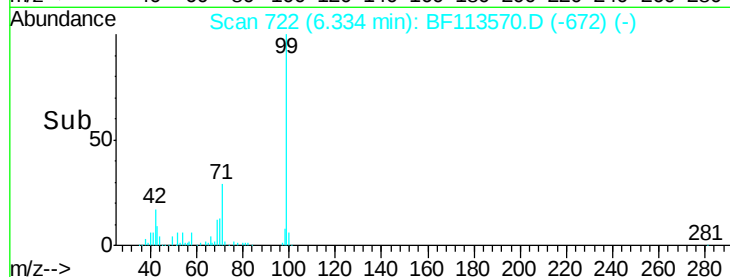
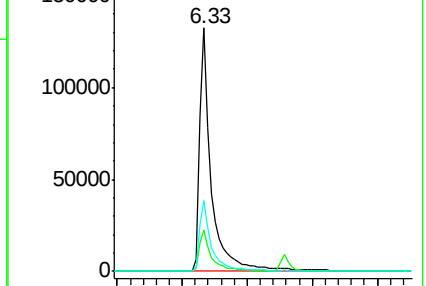
71 29.3 24.9 37.3



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BF113570.D

Acq: 4 Apr 2019 4:18

Tgt Ion: 136 Resp: 448360

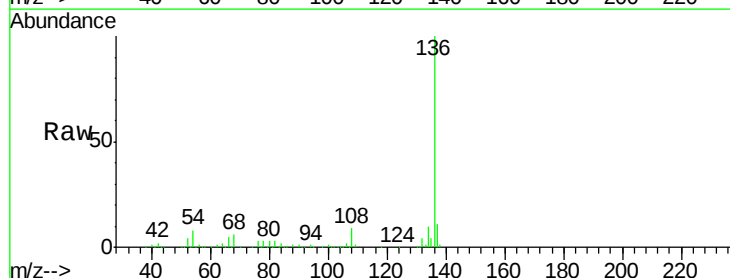
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.9 7.0 10.6

68 5.6 4.8 7.2

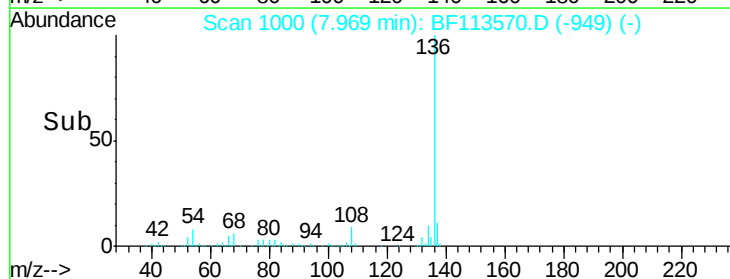
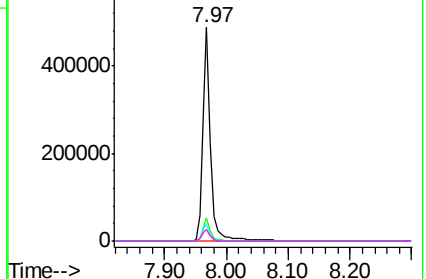


Abundance Ion 136.00 (135.70 to 136.70): E

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

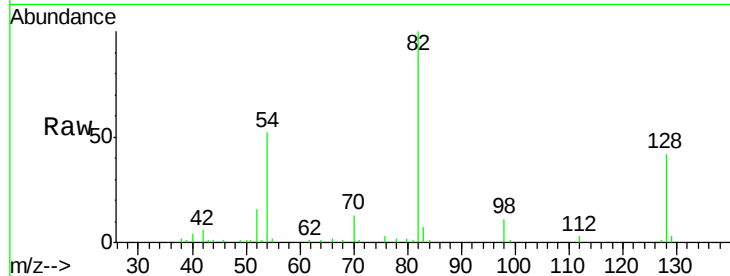




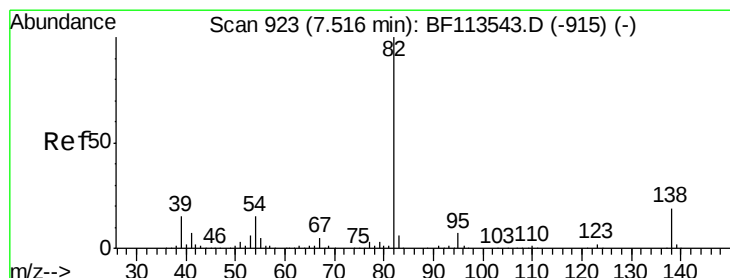
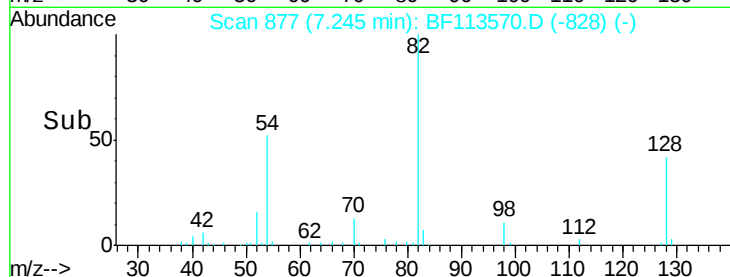
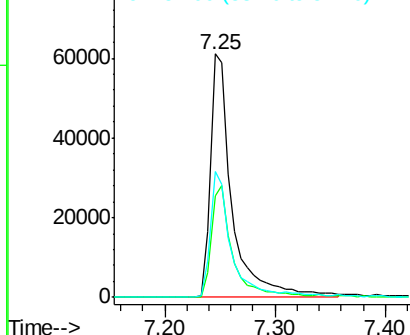
#23
Nitrobenzene-d5
Concen: 10.728 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113570.D
Acq: 4 Apr 2019 4:18

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	82117
Ion Ratio	100	Lower	Upper
128	41.9	36.5	54.7
54	51.8	42.2	63.2

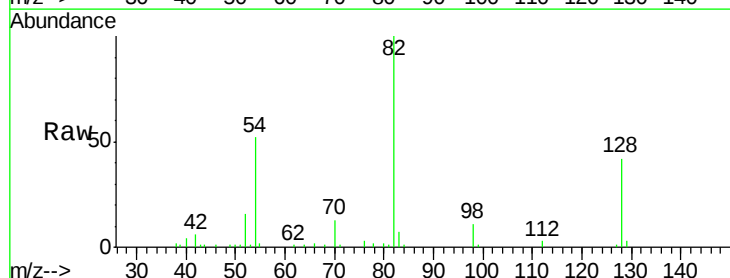


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

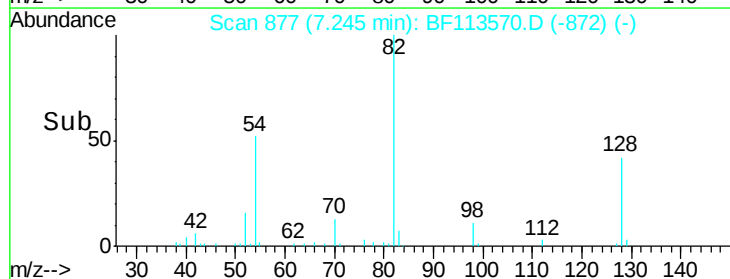
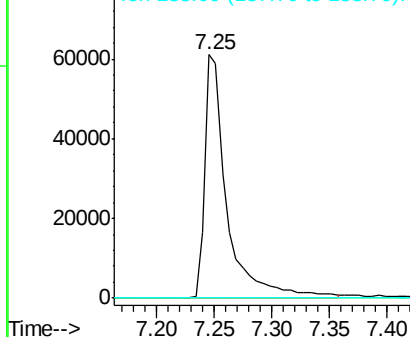


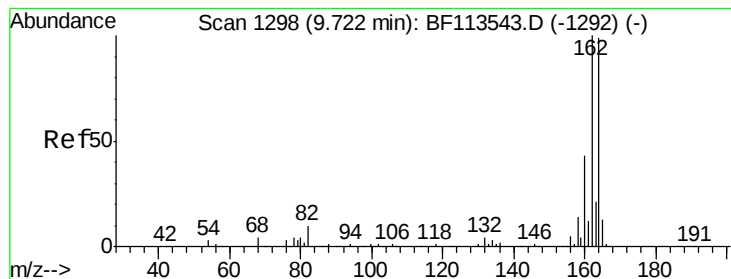
#25
Isophorone
Concen: 5.569 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.27 min
Lab File: BF113570.D
Acq: 4 Apr 2019 4:18

Tgt Ion	82	Resp	82117
Ion Ratio	100	Lower	Upper
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: 9.72 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BF113570.D

Acq: 4 Apr 2019 4:18

Instrument :

BNA_F

ClientSampleId :

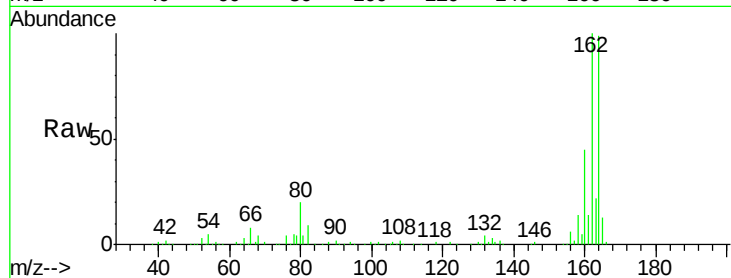
Tot Ion:164 Resp: 191351

Ion Ratio Lower Upper

164 100

162 101.2 81.8 122.6

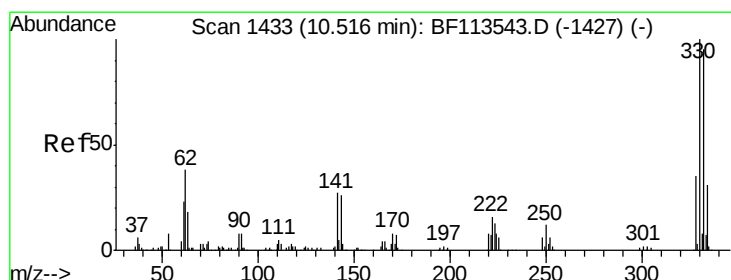
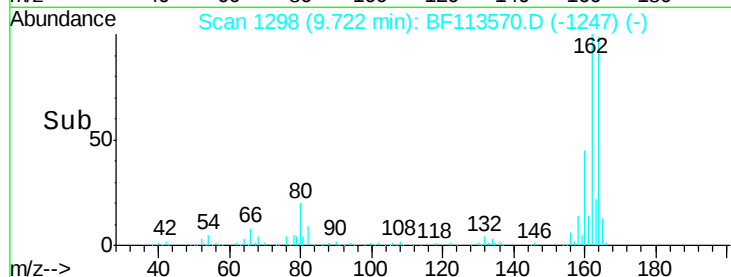
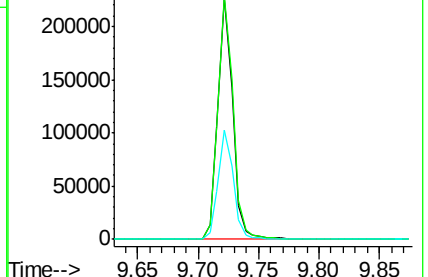
160 45.4 36.4 54.6



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: 15.060 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BF113570.D

Acq: 4 Apr 2019 4:18

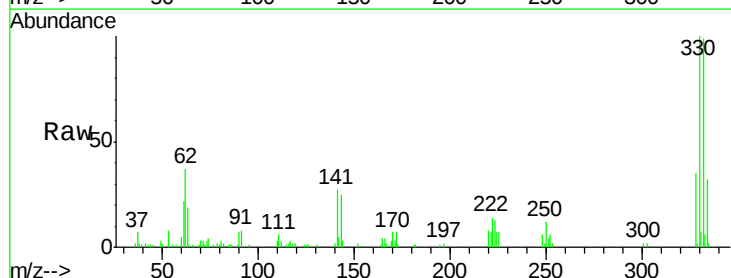
Tgt Ion:330 Resp: 34617

Ion Ratio Lower Upper

330 100

332 97.1 77.8 116.6

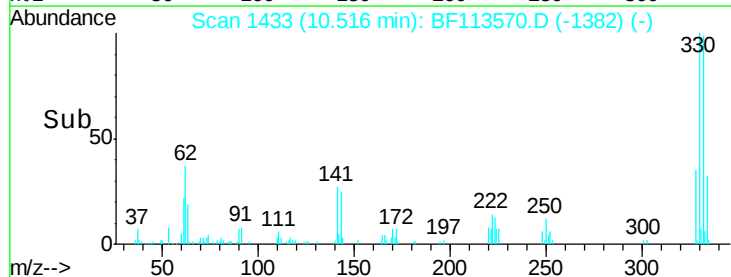
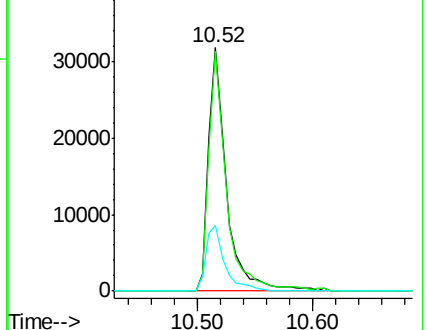
141 28.2 22.7 34.1

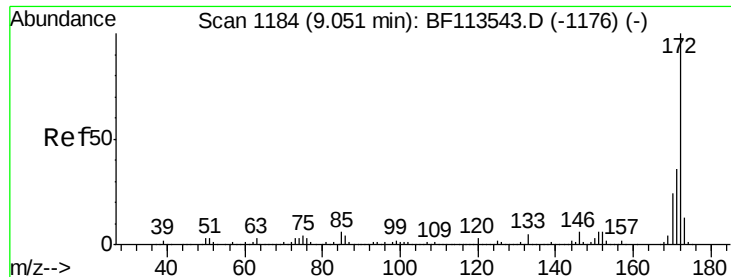


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

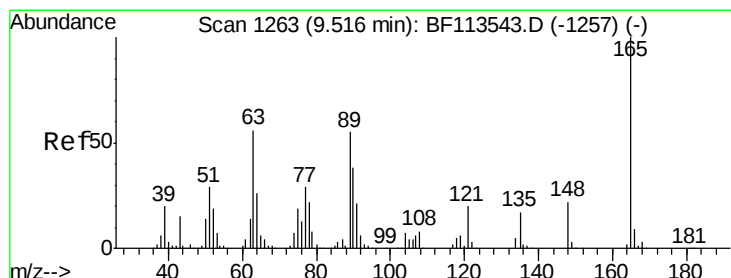
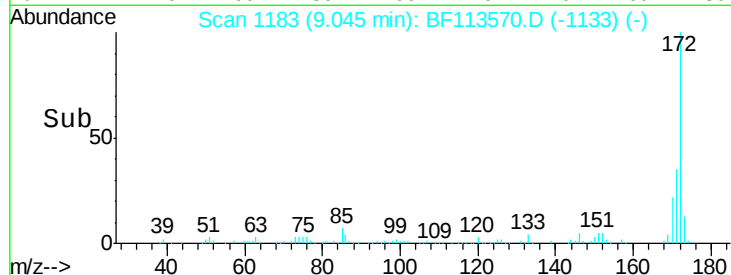
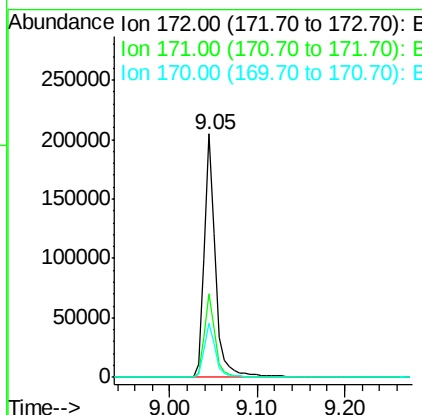
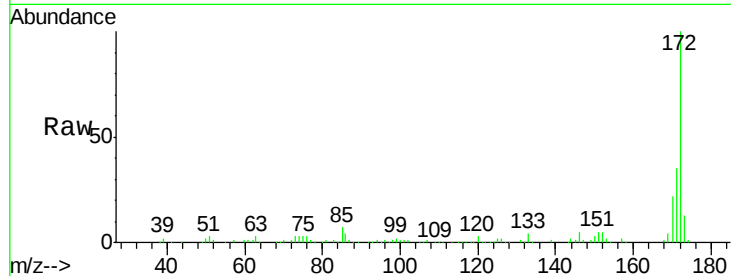




#45
 2-Fluorobiphenyl
 Concen: 15.480 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF113570.D
 Acq: 4 Apr 2019 4:18

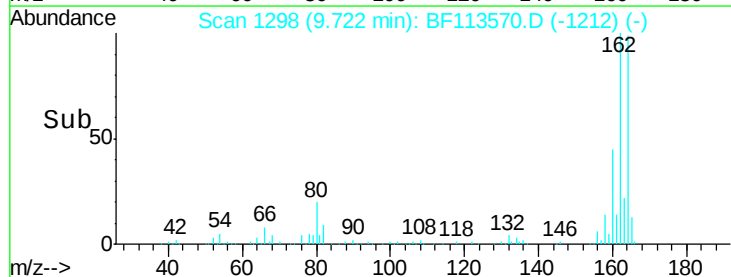
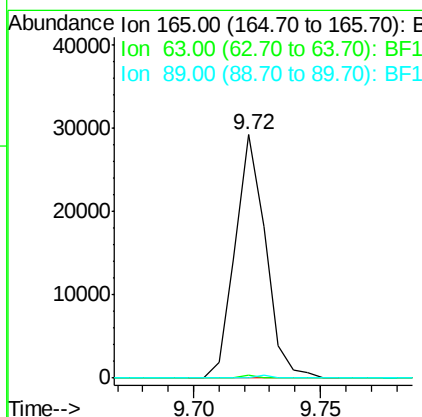
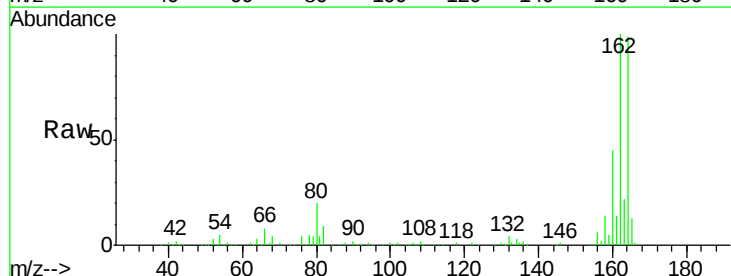
Instrument :
 BNA_F
 ClientSampled :

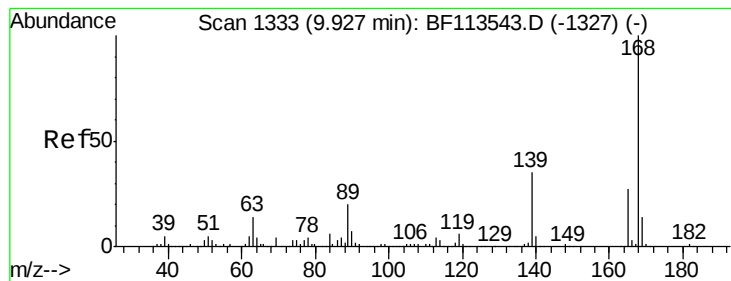
Tot Ion:172 Resp: 183992
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.0 43.6
 170 22.5 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.831 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.21 min
 Lab File: BF113570.D
 Acq: 4 Apr 2019 4:18

Tgt Ion:165 Resp: 24347
 Ion Ratio Lower Upper
 165 100
 63 1.2 43.4 65.0#
 89 0.0 43.1 64.7#





#57

2,4-Dinitrotoluene

Concen: 6.475 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.21 min

Lab File: BF113570.D

Acq: 4 Apr 2019 4:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 24347

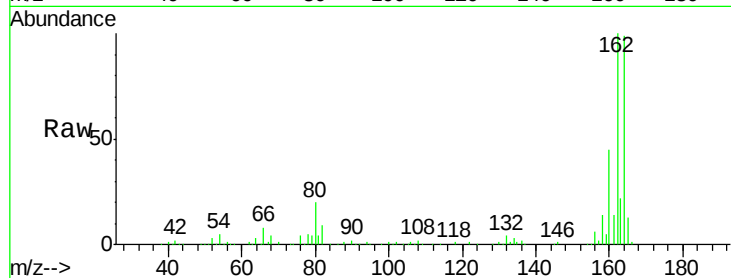
Ion Ratio Lower Upper

165 100

63 1.2 37.5 56.3#

89 0.0 57.4 86.2#

182 0.0 2.0 3.0#

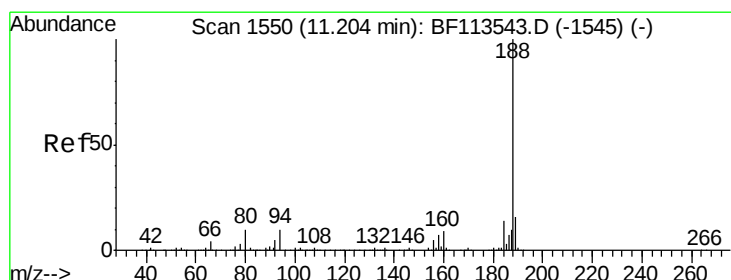
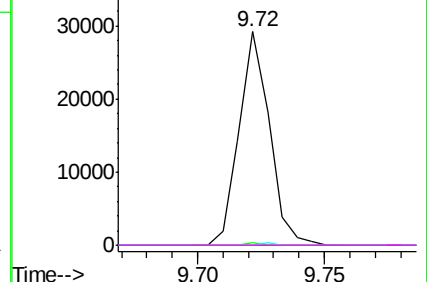
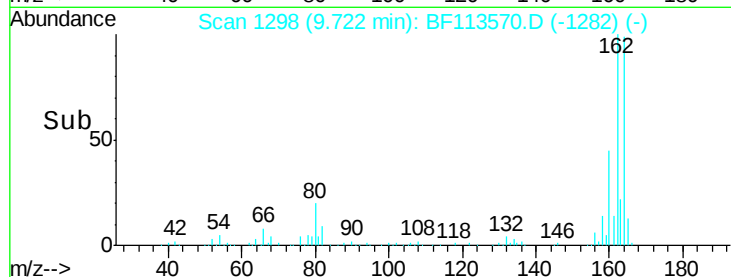


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1550

Delta R.T. 0.00 min

Lab File: BF113570.D

Acq: 4 Apr 2019 4:18

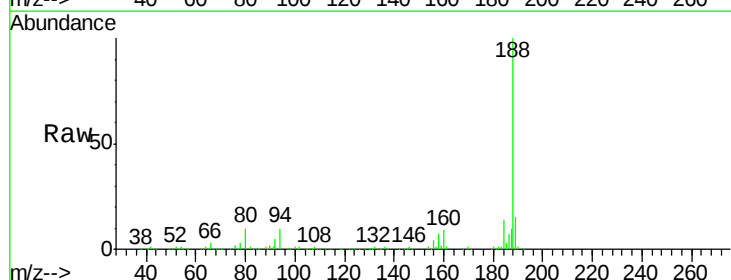
Tgt Ion:188 Resp: 371595

Ion Ratio Lower Upper

188 100

94 10.1 7.0 10.6

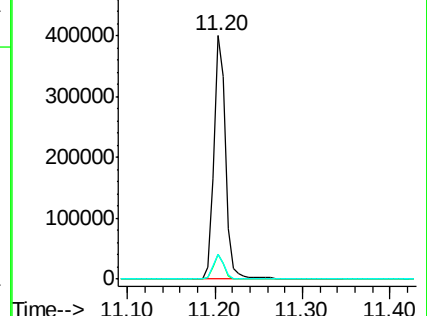
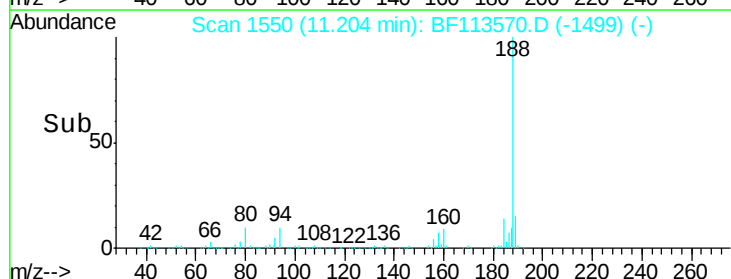
80 10.1 7.7 11.5

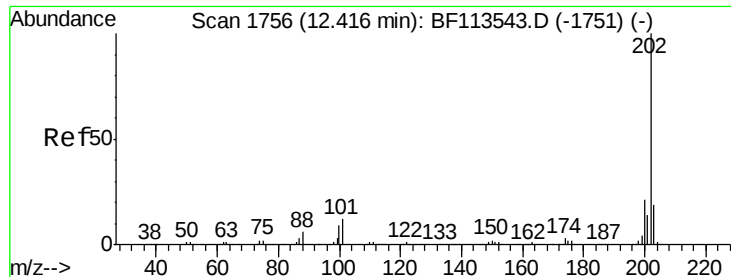


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 2.850 ng

RT: 12.42 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF113570.D

Acq: 4 Apr 2019 4:18

Instrument :

BNA_F

ClientSampleId :

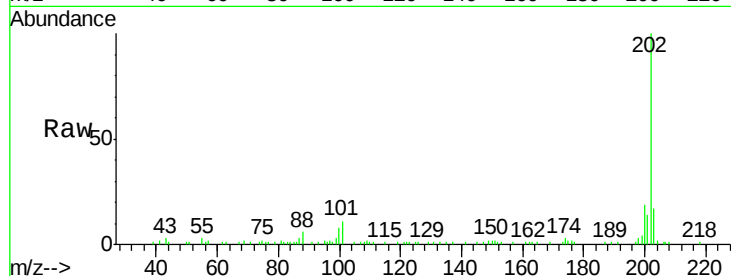
Tot Ion:202 Resp: 56386

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

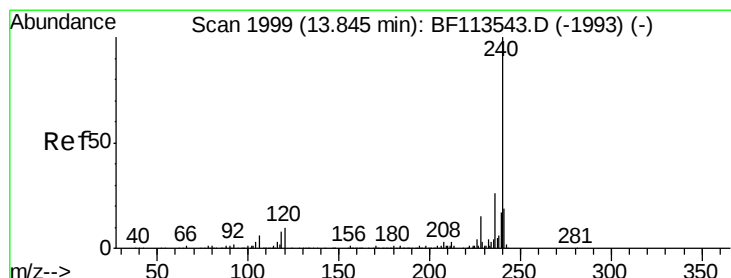
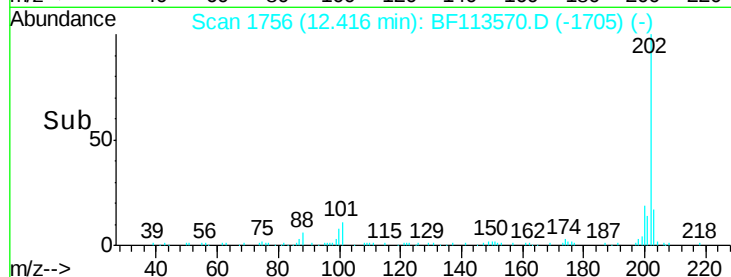
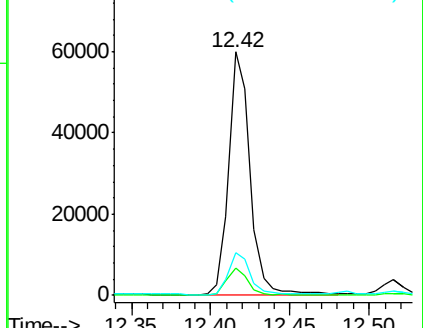
203 17.3 0.0 38.0



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: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF113570.D

Acq: 4 Apr 2019 4:18

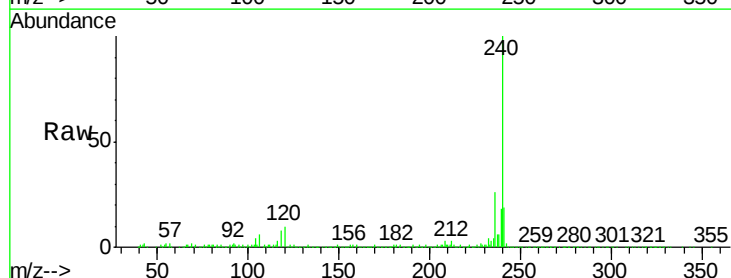
Tgt Ion:240 Resp: 308840

Ion Ratio Lower Upper

240 100

120 9.5 8.8 13.2

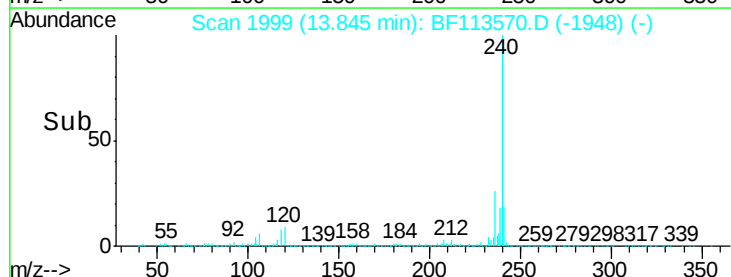
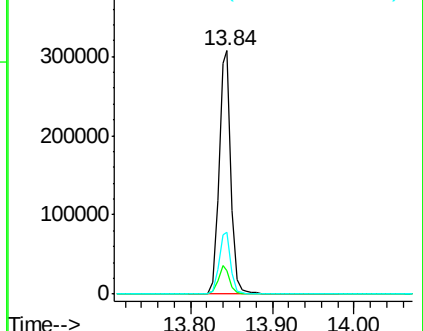
236 25.6 20.9 31.3

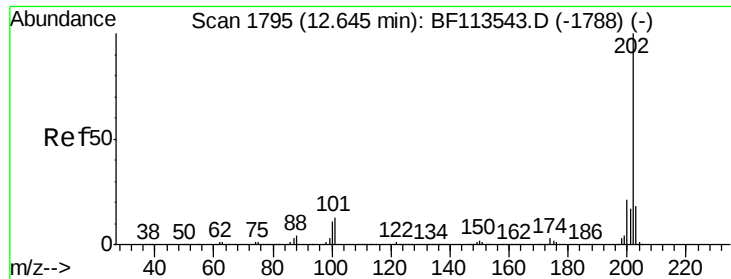


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

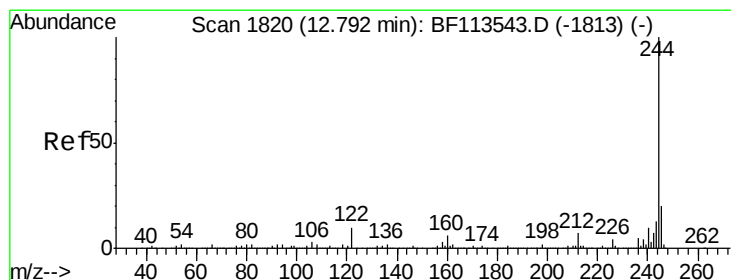
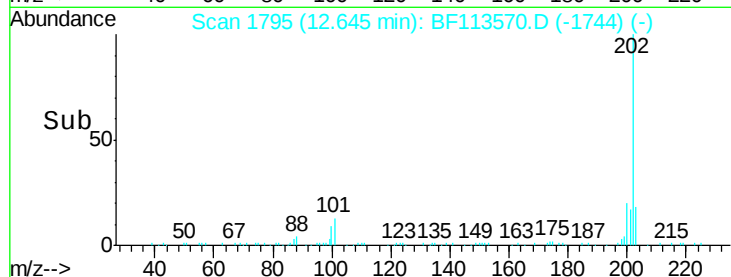
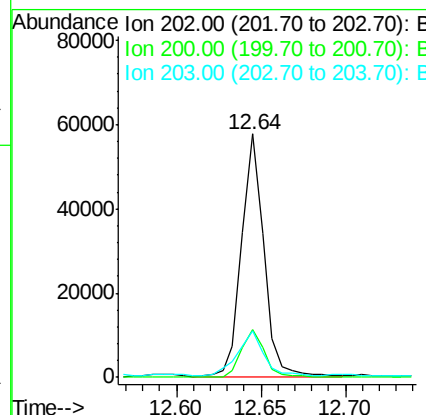
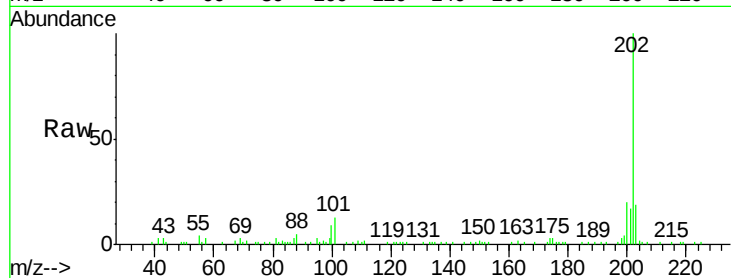




#78
Pvrene
Concen: 2.299 ng
RT: 12.64 min Scan# 1795
Delta R.T. 0.00 min
Lab File: BF113570.D
Acq: 4 Apr 2019 4:18

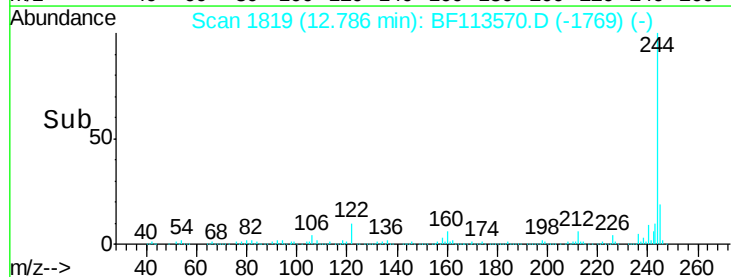
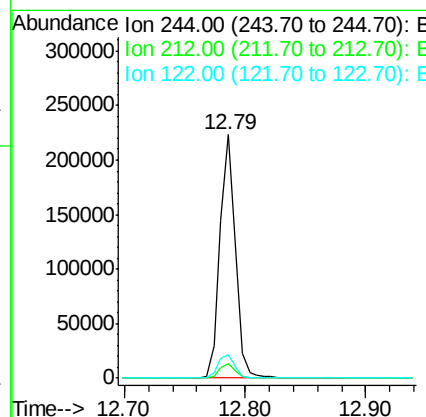
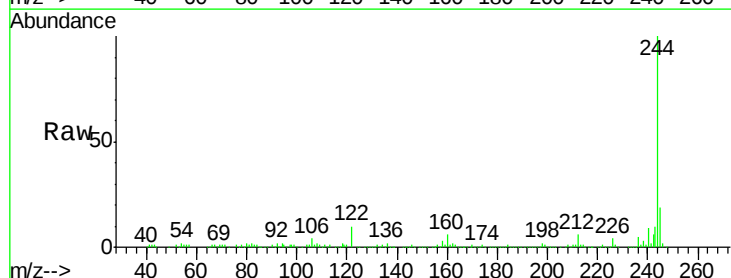
Instrument :
BNA_F
ClientSampleId :

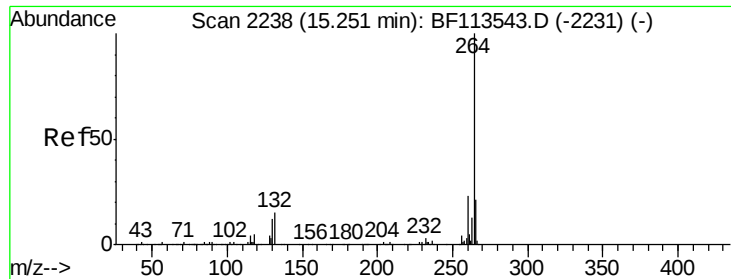
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.8	25.2
203	18.9	14.4	21.6



#79
Terphenyl-d14
Concen: 12.847 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF113570.D
Acq: 4 Apr 2019 4:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.5	8.3
122	9.8	8.6	13.0

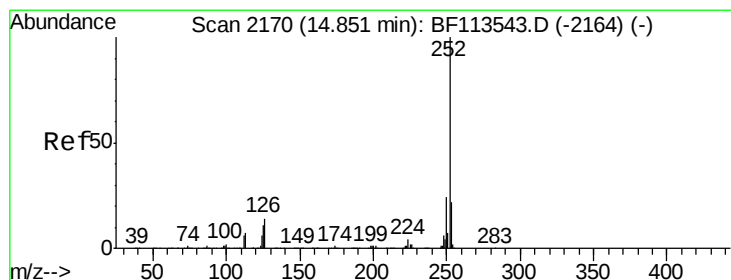
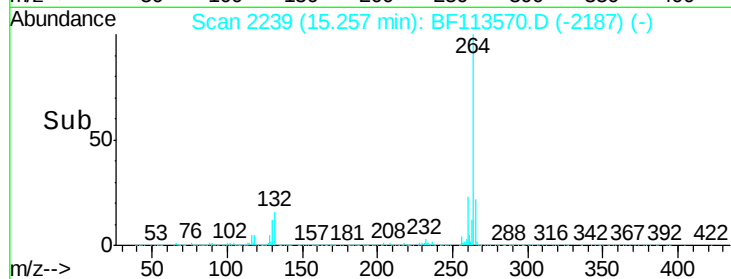
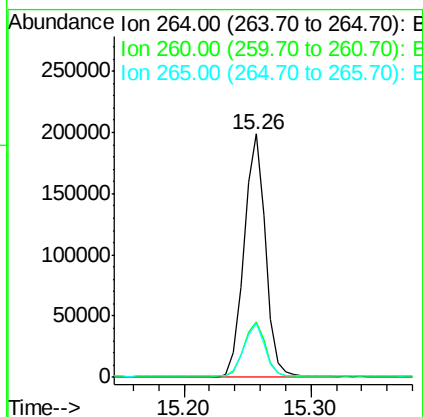
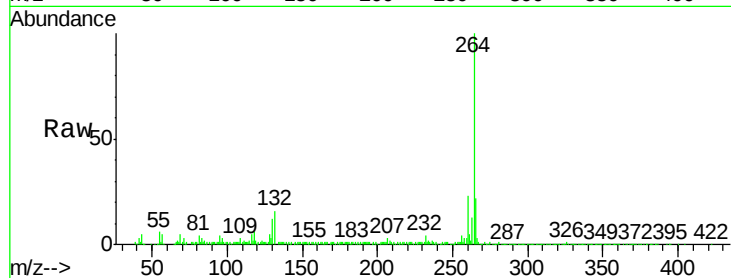




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF113570.D
Acq: 4 Apr 2019 4:18

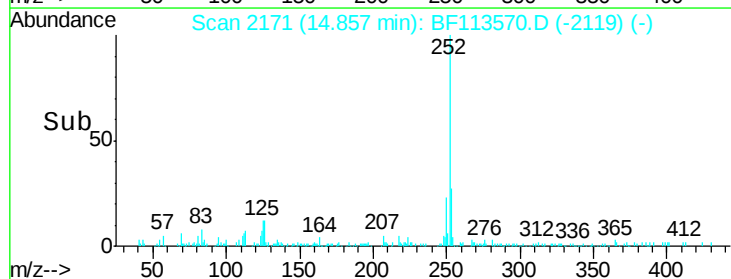
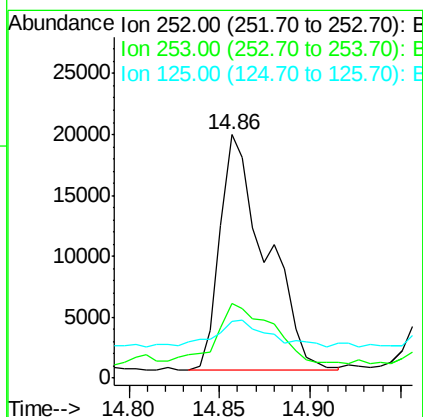
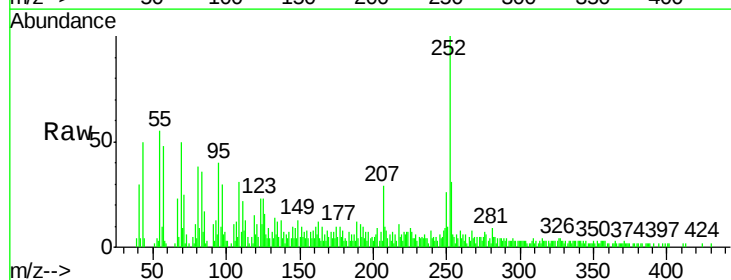
Instrument :
BNA_F
ClientSampled :

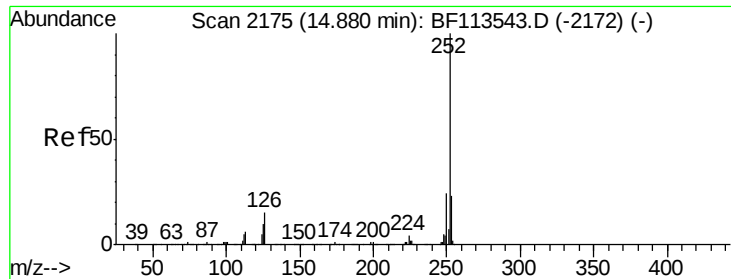
Tot Ion:264 Resp: 230096
Ion Ratio Lower Upper
264 100
260 22.8 19.1 28.7
265 22.0 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 2.438 ng
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113570.D
Acq: 4 Apr 2019 4:18

Tgt Ion:252 Resp: 34340
Ion Ratio Lower Upper
252 100
253 30.5 18.0 27.0#
125 23.3 7.6 11.4#





#89

Benzo(k)fluoranthene

Concen: 2.717 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF113570.D

Acq: 4 Apr 2019 4:18

Instrument :

BNA_F

ClientSampleId :

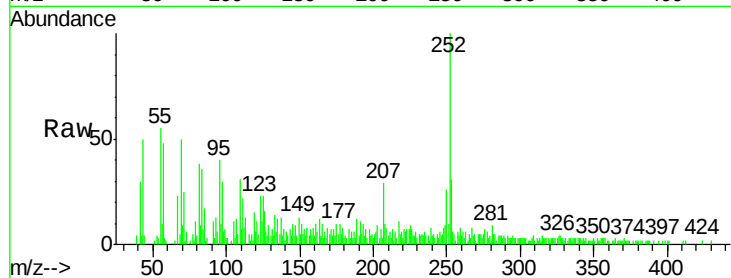
Tot Ion:252 Resp: 34340

Ion Ratio Lower Upper

252 100

253 30.5 17.7 26.5#

125 23.3 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

