

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114845.D
 Acq On : 6 Jun 2019 3:30
 Operator : HP/JU
 Sample : K3163-03 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:06:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	364193	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1369007	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	664154	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1160147	20.00	ng	0.00
76) Chrysene-d12	13.80	240	819591	20.00	ng	0.00
87) Perylene-d12	15.19	264	634867	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1076449	51.65	ng	0.00
7) Phenol-d6	6.30	99	1312317	51.74	ng	0.00
23) Nitrobenzene-d5	7.23	82	764366	34.37	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	324853	45.39	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1514916	42.73	ng	0.00
79) Terphenyl-d14	12.76	244	1469034	34.86	ng	0.00

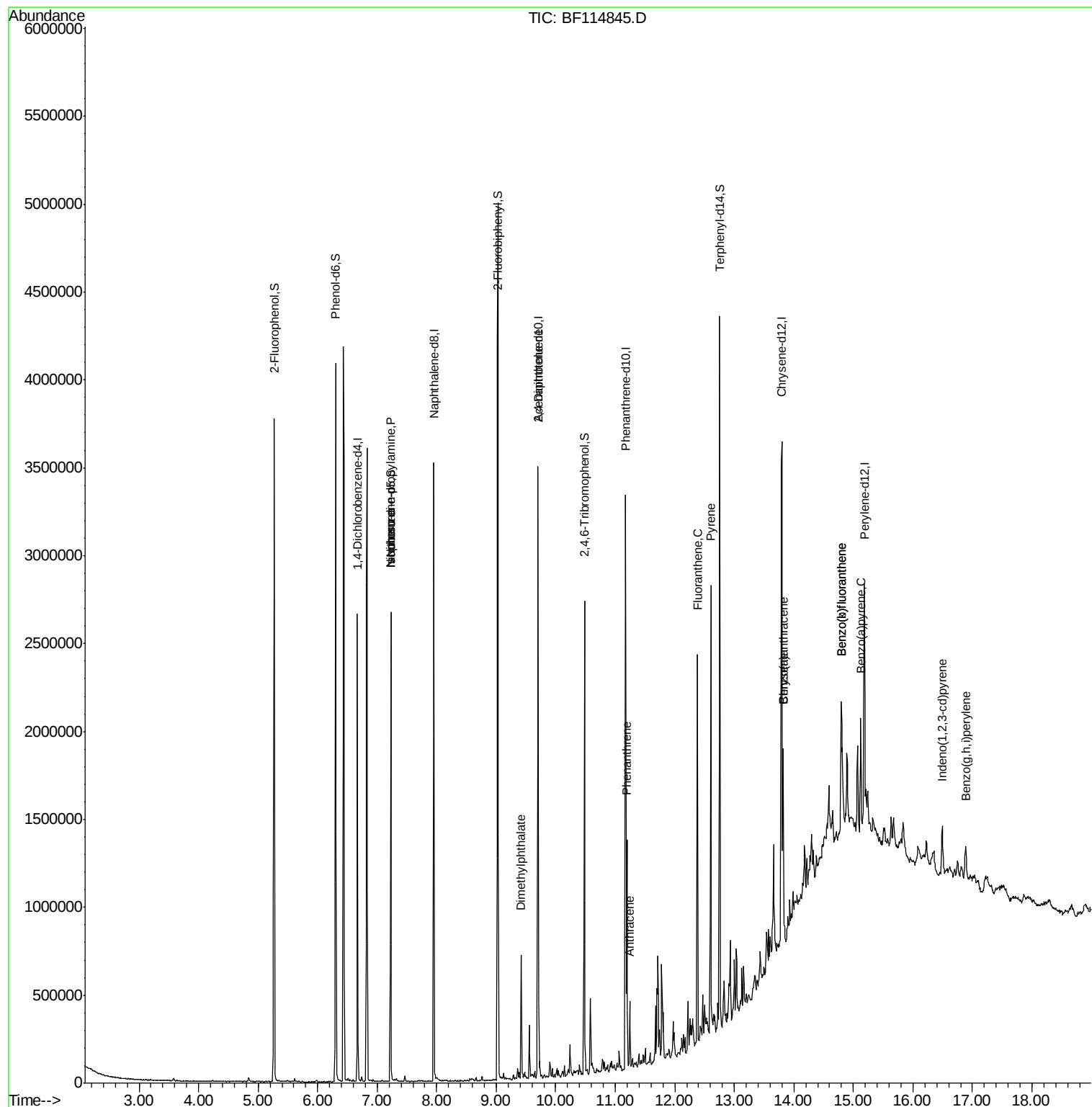
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	101421	6.041	ng	# 78
25) Isophorone	7.23	82	749486	17.047	ng	# 61
50) Dimethylphthalate	9.42	163	296626	6.115	ng	99
57) 2,4-Dinitrotoluene	9.70	165	88414	6.165	ng	# 32
58) Fluorene	10.24	166	44635	Below Cal		98
71) Phenanthrene	11.20	178	497306	8.979	ng	96
72) Anthracene	11.25	178	133994	2.299	ng	95
75) Fluoranthene	12.38	202	905691	15.712	ng	95
78) Pyrene	12.60	202	938807	13.204	ng	95
81) Benzo(a)anthracene	13.82	228	415123	6.573	ng	98
83) Chrysene	13.82	228	415123	6.757	ng	98
86) Indeno(1,2,3-cd)pyrene	16.49	276	174452	2.489	ng	97
88) Benzo(b)fluoranthene	14.80	252	563365	13.939	ng	# 96
89) Benzo(k)fluoranthene	14.80	252	563365	16.414	ng	# 97
90) Benzo(a)pyrene	15.12	252	294270	8.412	ng	# 95
92) Benzo(g,h,i)perylene	16.89	276	160870	4.829	ng	98

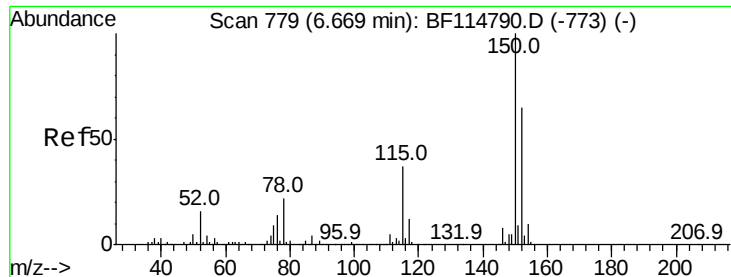
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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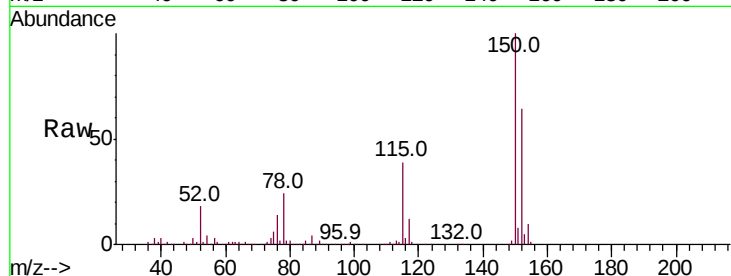


#1

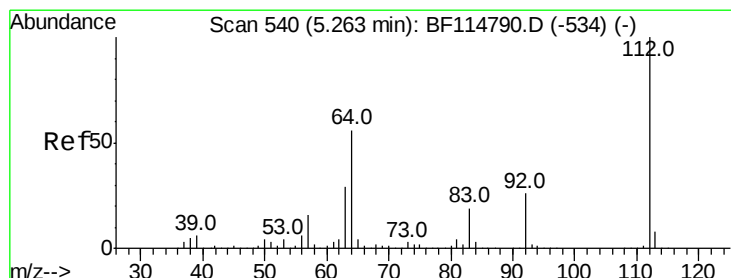
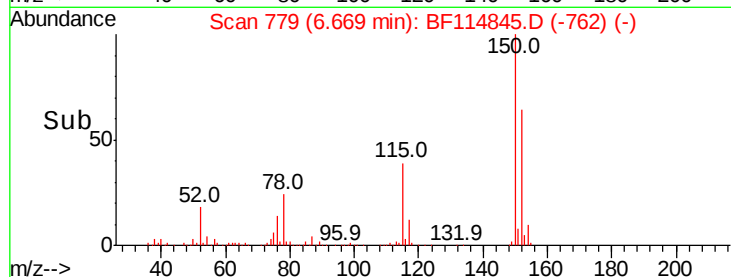
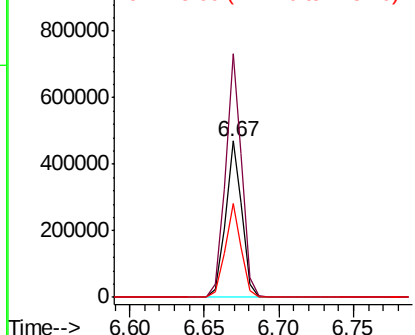
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114845.D
Acq: 6 Jun 2019 3:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 364193
Ion Ratio Lower Upper
152 100
150 155.6 124.0 186.0
115 60.0 46.3 69.5



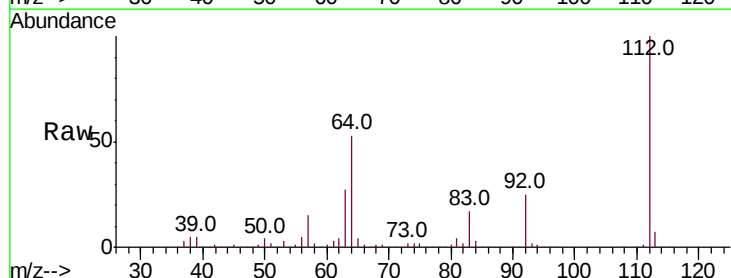
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



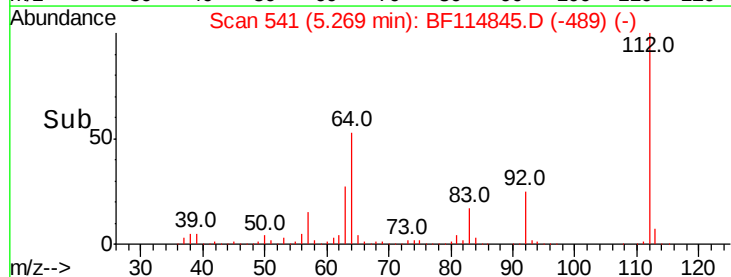
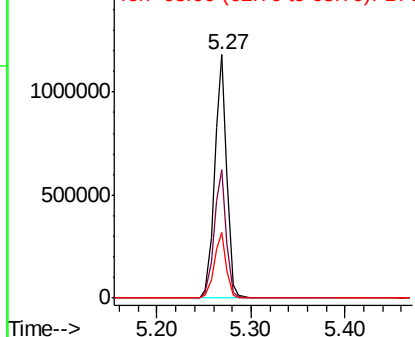
#5

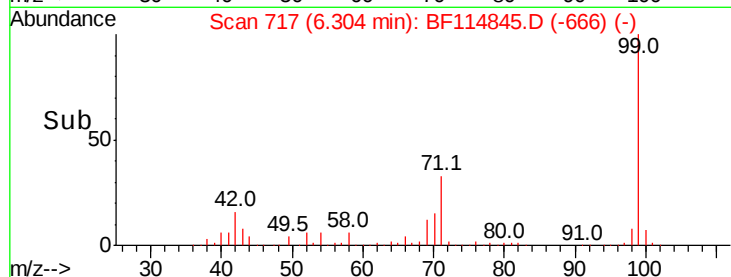
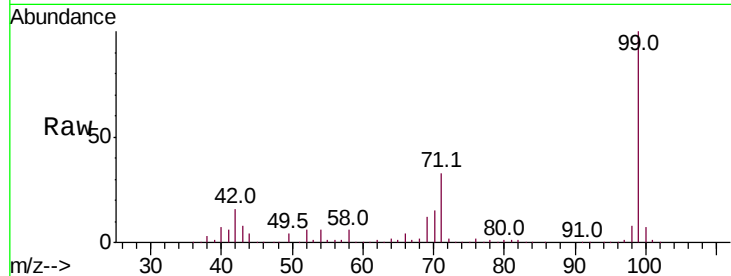
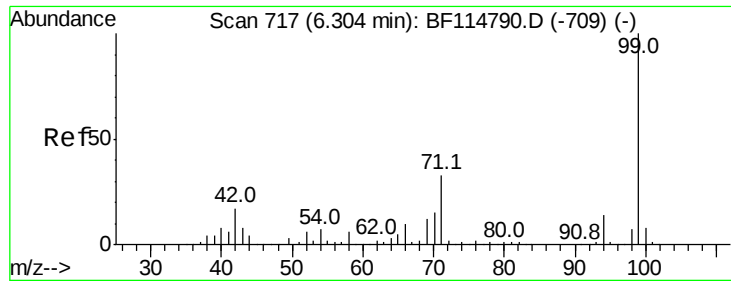
2-Fluorophenol
Concen: 51.647 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114845.D
Acq: 6 Jun 2019 3:30

Tgt Ion:112 Resp: 1076449
Ion Ratio Lower Upper
112 100
64 52.5 44.6 66.8
63 26.9 23.0 34.4



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: 51.745 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

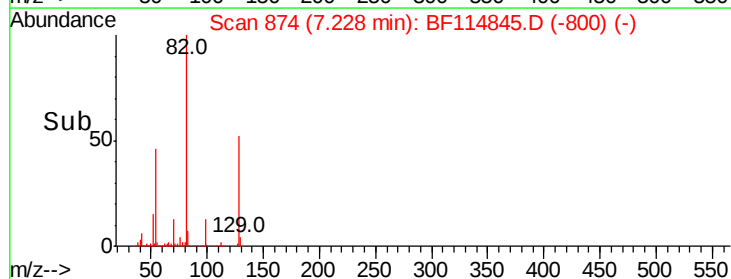
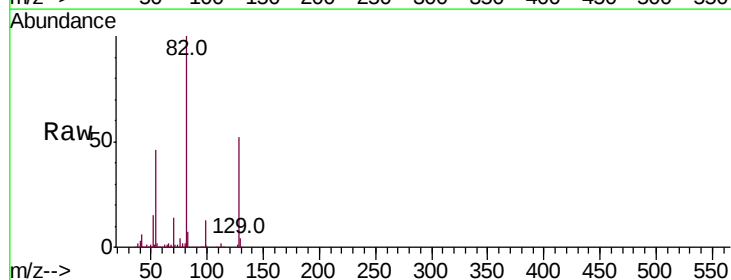
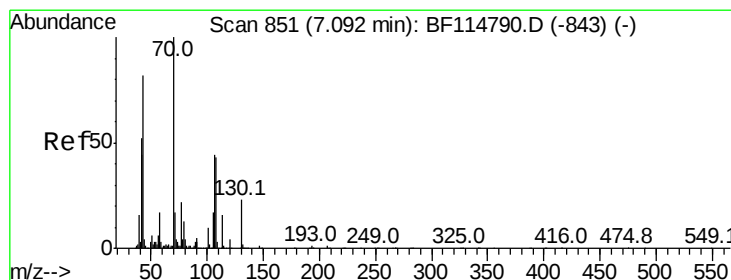
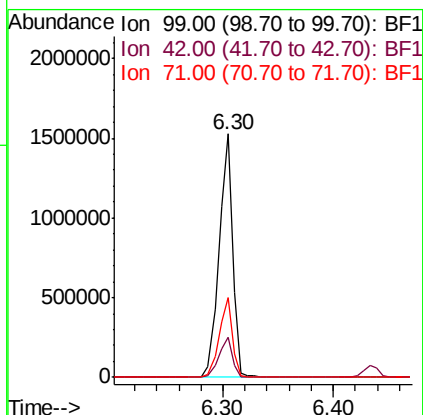
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1312317

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.3	19.9
71	32.6	26.3	39.5



#19

n-Nitroso-di-n-propylamine

Concen: 6.041 ng

RT: 7.23 min Scan# 874

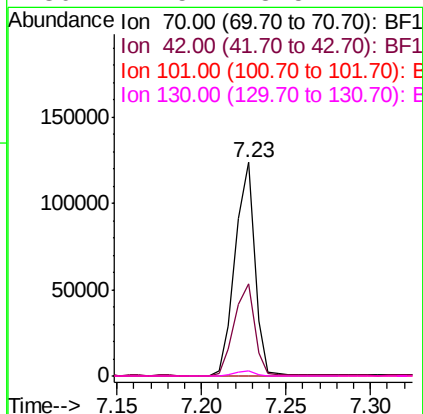
Delta R.T. 0.14 min

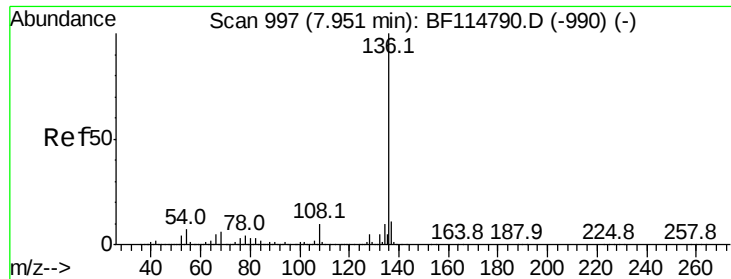
Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

Tgt Ion: 70 Resp: 101421

Ion	Ratio	Lower	Upper
70	100		
42	43.4	41.8	62.8
101	0.0	8.2	12.4#
130	2.5	18.5	27.7#

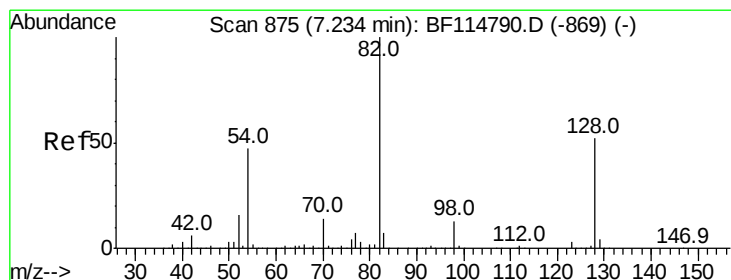
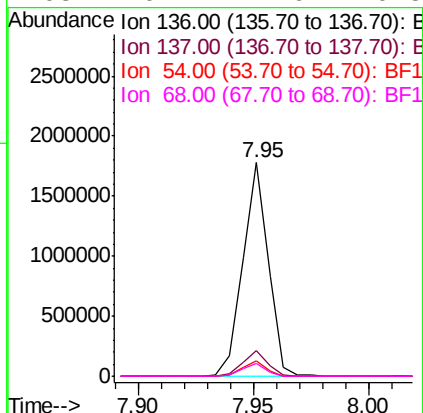
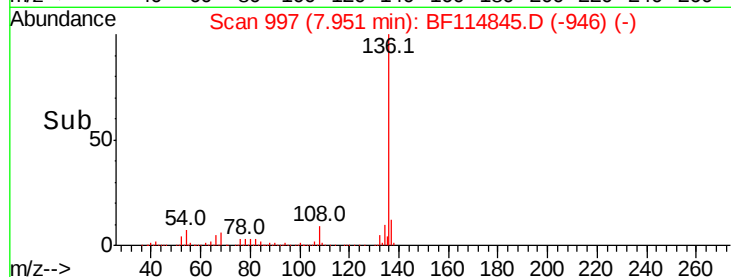
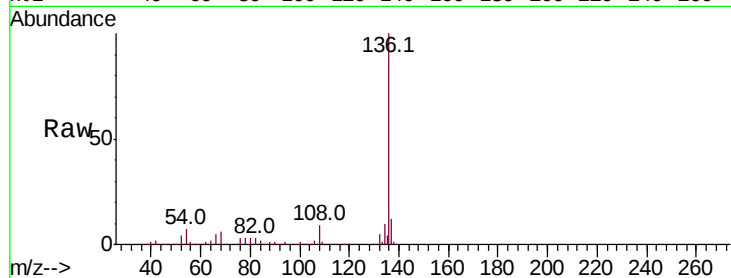




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF114845.D
Acq: 6 Jun 2019 3:30

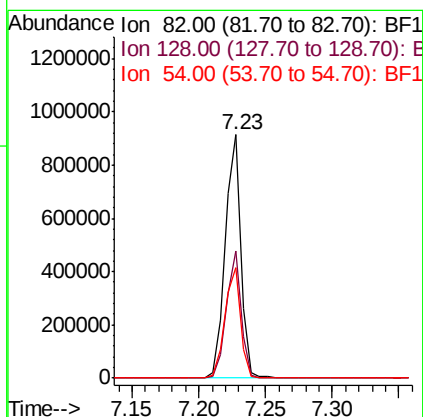
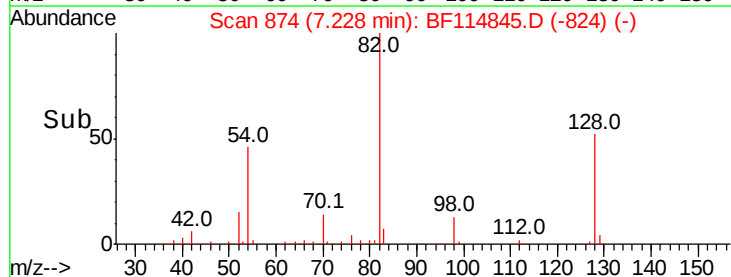
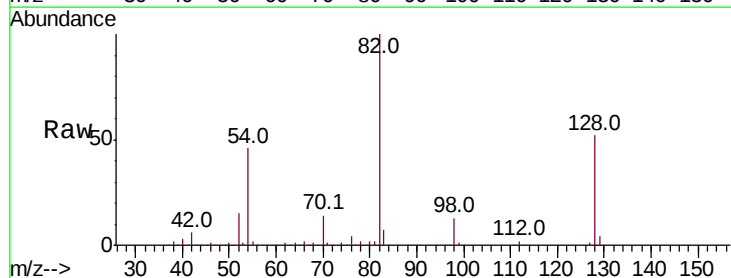
Instrument :
BNA_F
ClientSampleId :

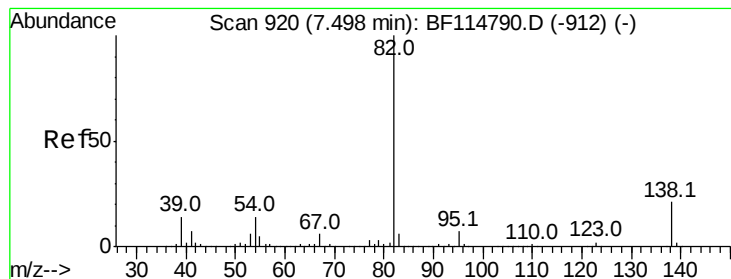
Tot Ion:	136	Resp:	1369007
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	6.9	5.4	8.0
68	6.2	4.6	6.8



#23
Nitrobenzene-d5
Concen: 34.370 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114845.D
Acq: 6 Jun 2019 3:30

Tgt Ion:	82	Resp:	764366
Ion	Ratio	Lower	Upper
82	100		
128	52.2	41.8	62.6
54	45.5	37.9	56.9





#25

Isophorone

Concen: 17.047 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

Instrument :

BNA_F

ClientSampleId :

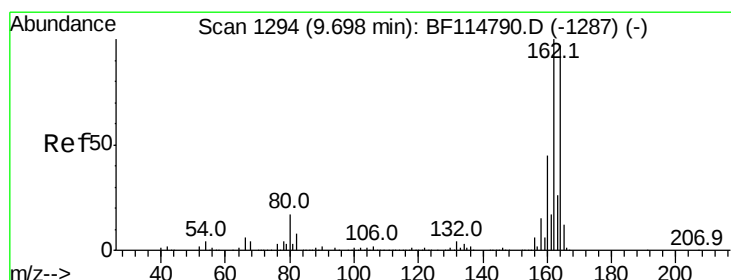
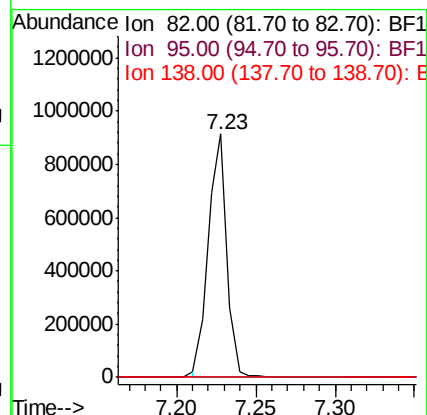
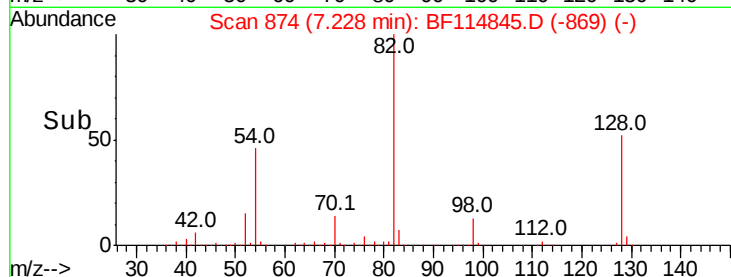
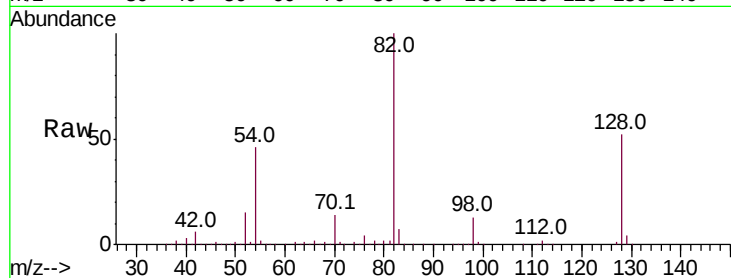
Tot Ion: 82 Resp: 749486

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 16.9 25.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

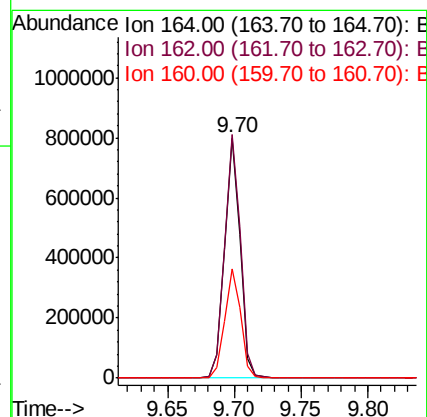
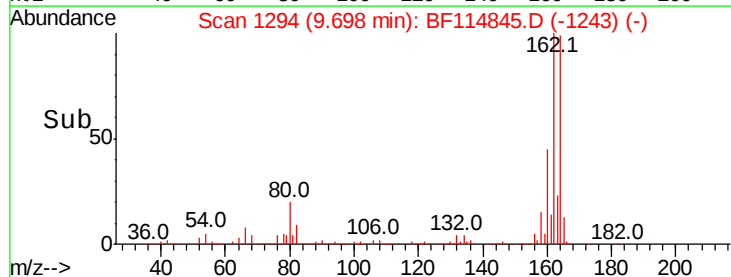
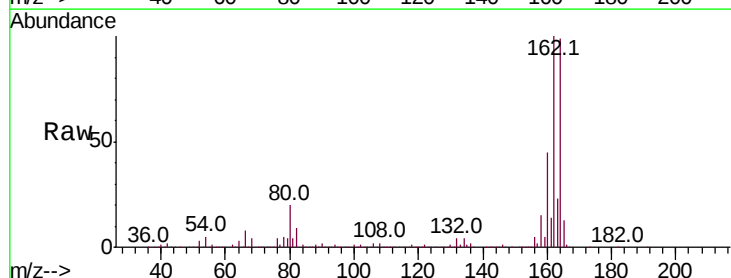
Tgt Ion:164 Resp: 664154

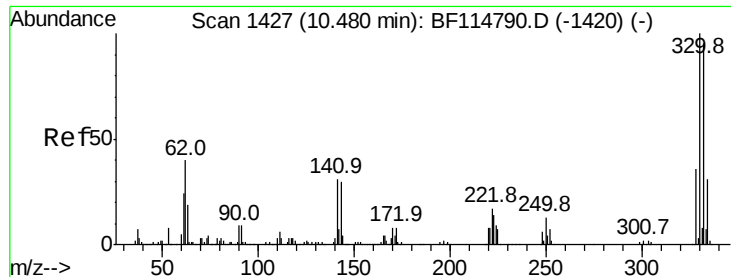
Ion Ratio Lower Upper

164 100

162 101.4 82.3 123.5

160 45.3 36.7 55.1

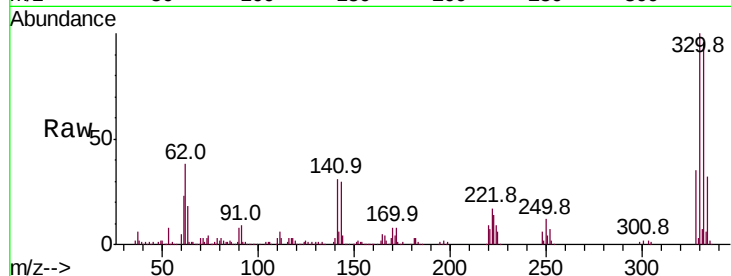




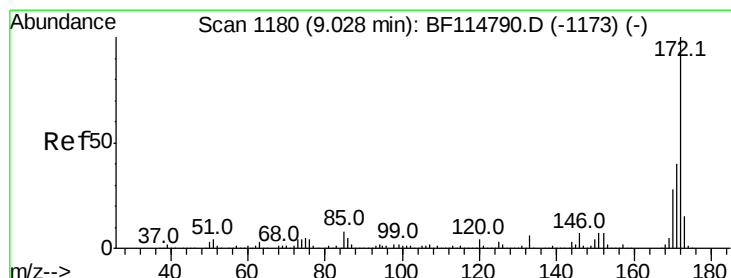
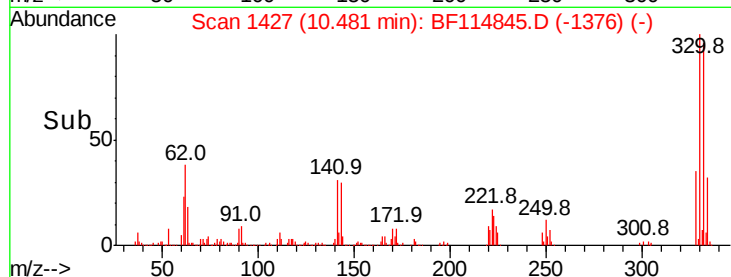
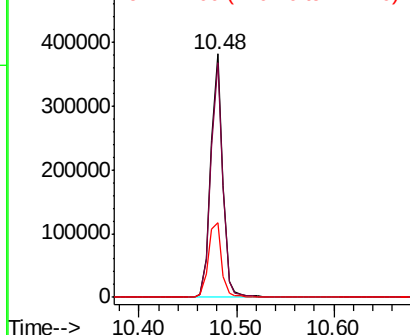
#42
 2,4,6-Tribromophenol
 Concen: 45.388 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BF114845.D
 Acq: 6 Jun 2019 3:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.3	115.9
141	33.4	26.2	39.4

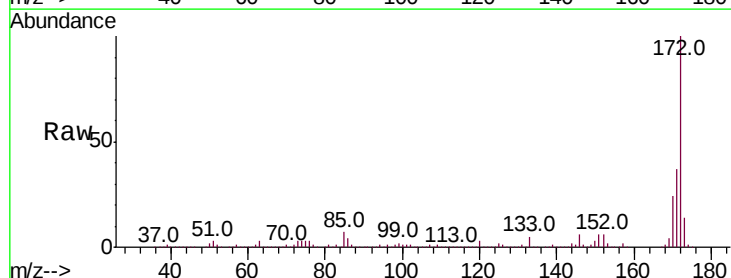


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

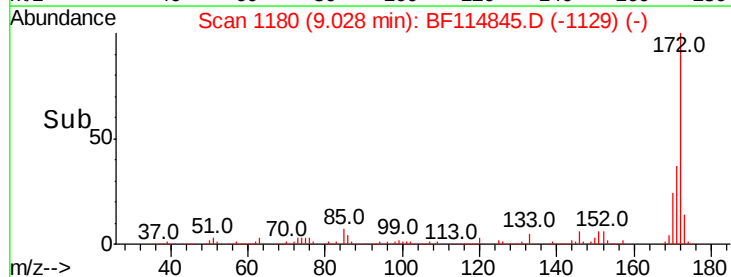
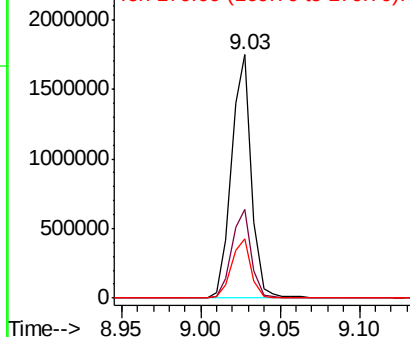


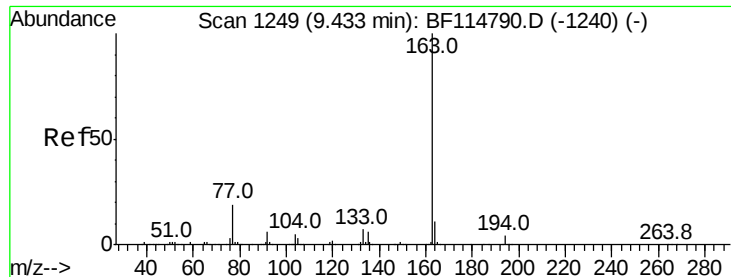
#45
 2-Fluorobiphenyl
 Concen: 42.729 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF114845.D
 Acq: 6 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	32.3	48.5
170	24.2	22.4	33.6



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: 6.115 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

Instrument :

BNA_F

ClientSampleId :

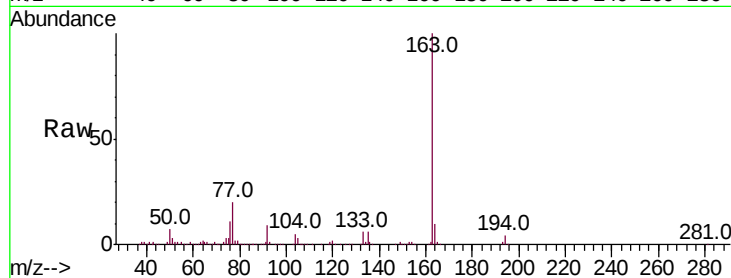
Tot Ion:163 Resp: 296626

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

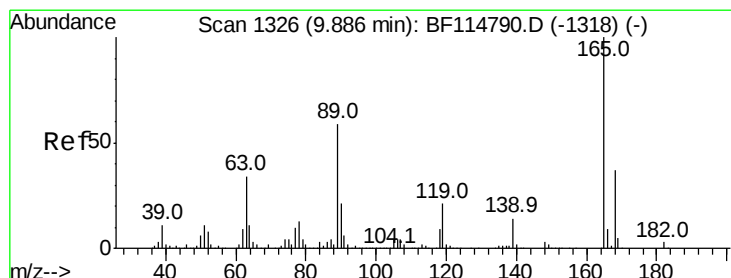
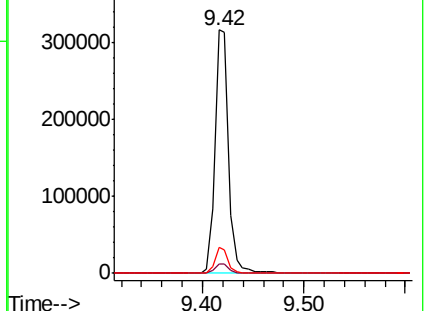
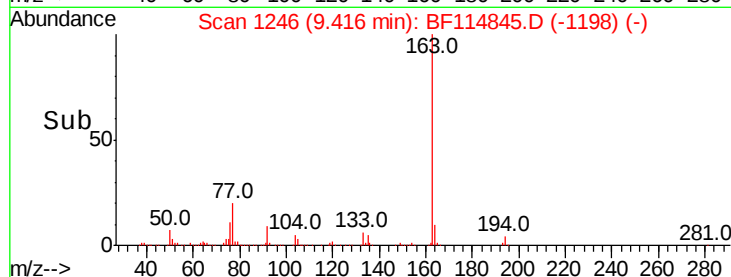
164 10.4 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.165 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.19 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

Tgt Ion:165 Resp: 88414

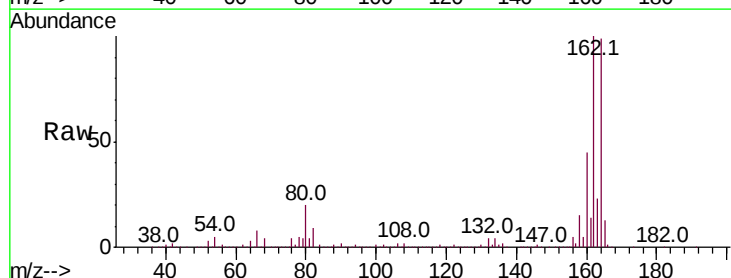
Ion Ratio Lower Upper

165 100

63 1.2 27.0 40.4#

89 1.2 47.0 70.6#

182 0.4 2.2 3.2#

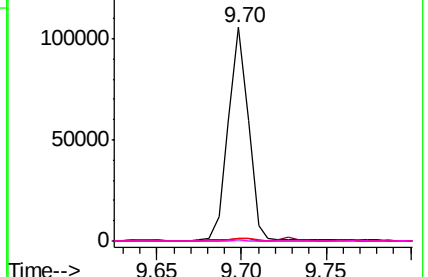
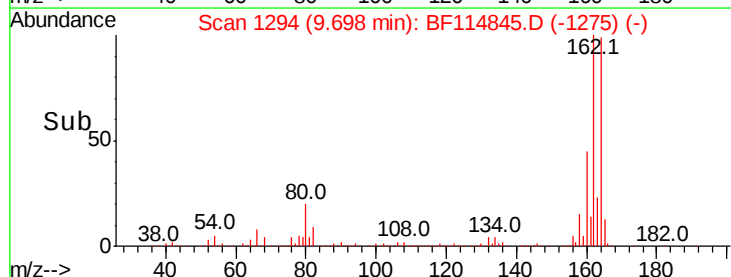


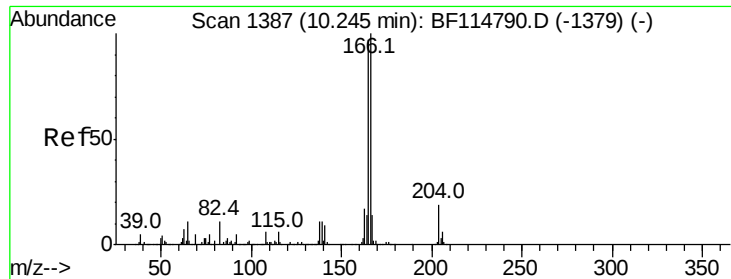
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: Below Cal

RT: 10.24 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

Instrument :

BNA_F

ClientSampleId :

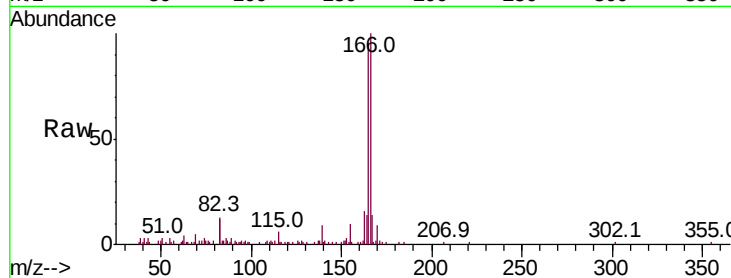
Tot Ion:166 Resp: 44635

Ion Ratio Lower Upper

166 100

165 94.7 77.9 116.9

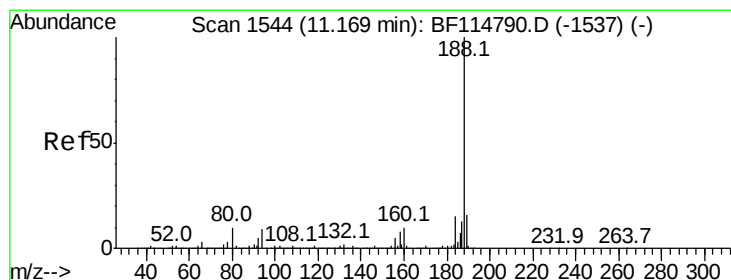
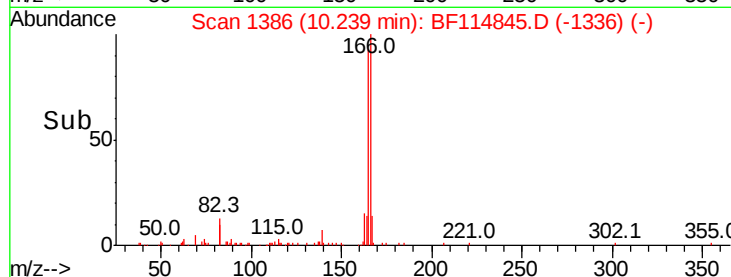
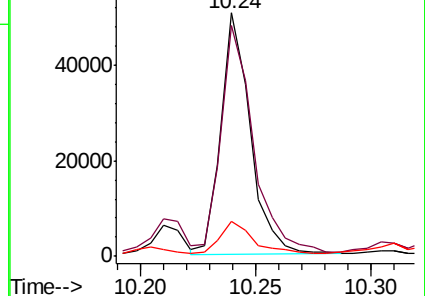
167 14.3 11.3 16.9



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: 11.17 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

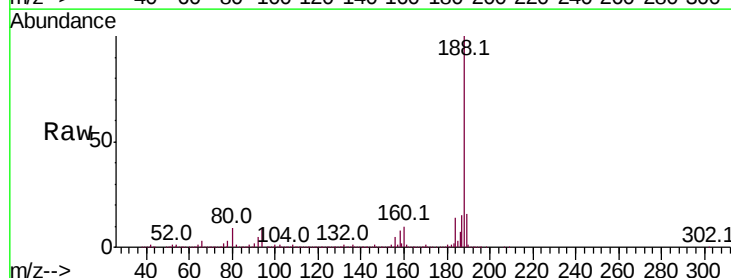
Tgt Ion:188 Resp: 1160147

Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

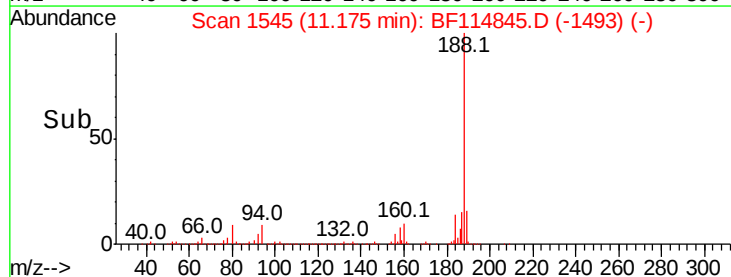
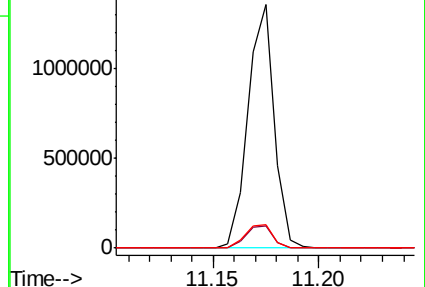
80 9.4 8.3 12.5

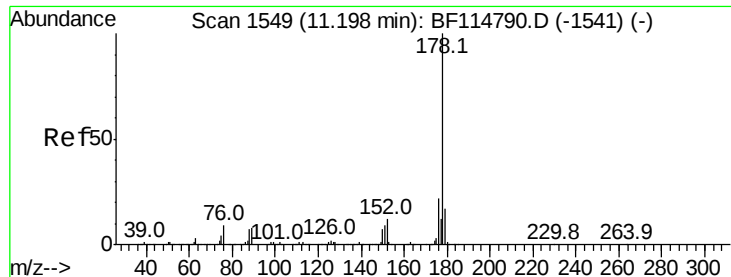


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

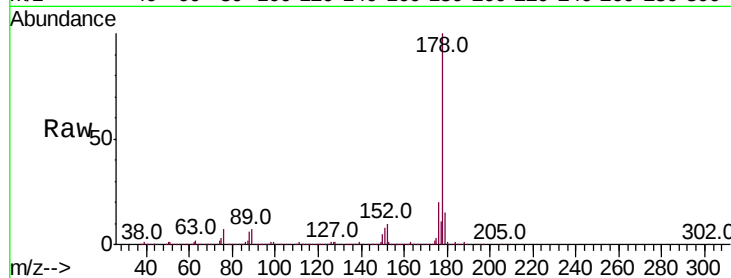




#71
Phenanthrene
Concen: 8.979 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BF114845.D
Acq: 6 Jun 2019 3:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	17.7	26.5
179	15.5	13.7	20.5

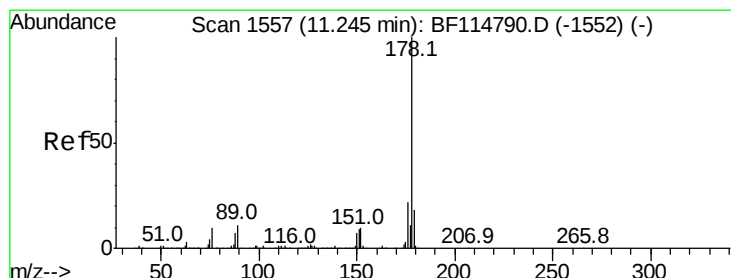
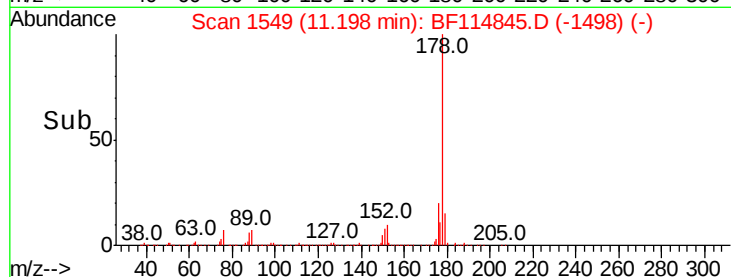
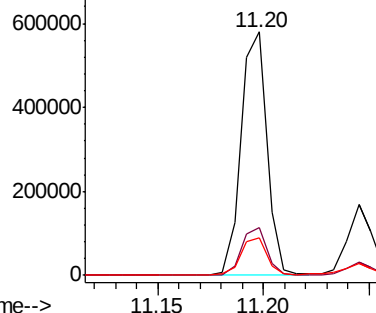


Abundance

Ion 178.00 (177.70 to 178.70): E

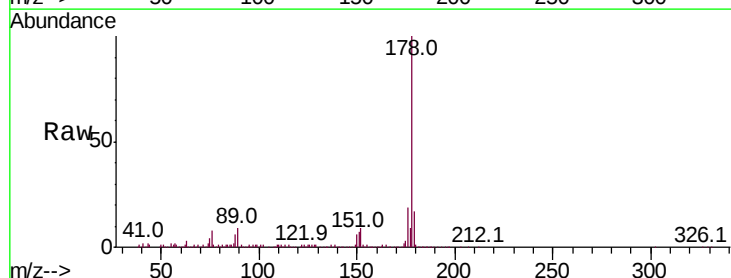
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 2.299 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF114845.D
Acq: 6 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	17.4	26.0
179	16.5	14.2	21.4

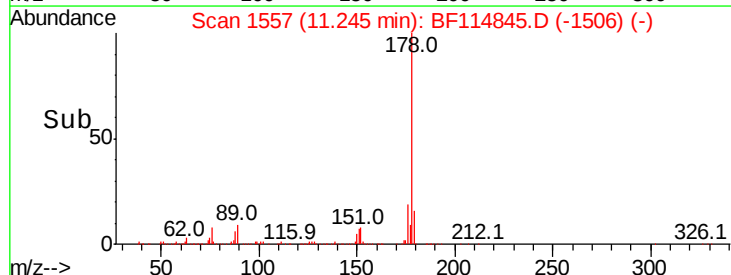
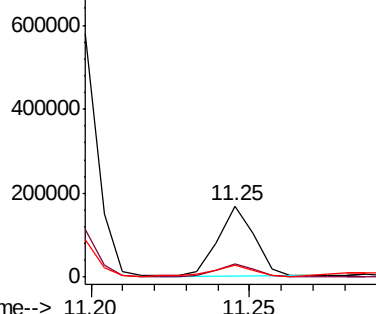


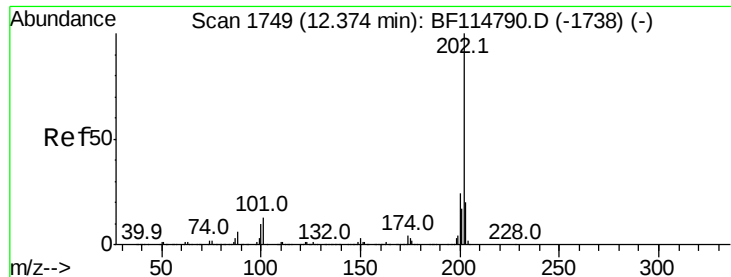
Abundance

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: 15.712 ng

RT: 12.38 min Scan# 1750

Delta R.T. 0.01 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

Instrument :

BNA_F

ClientSampled :

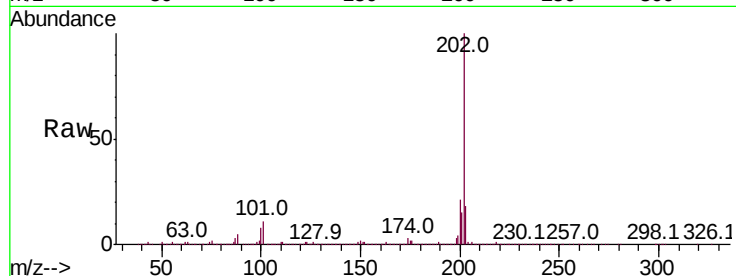
Tot Ion:202 Resp: 905691

Ion Ratio Lower Upper

202 100

101 11.3 0.0 32.8

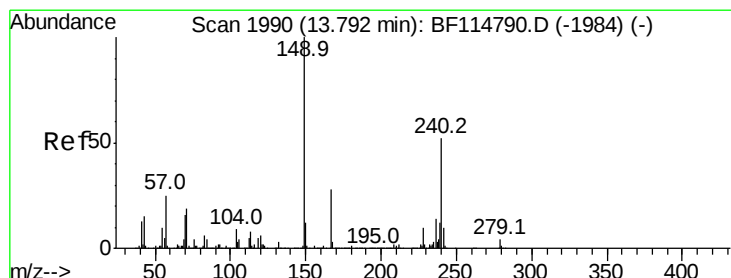
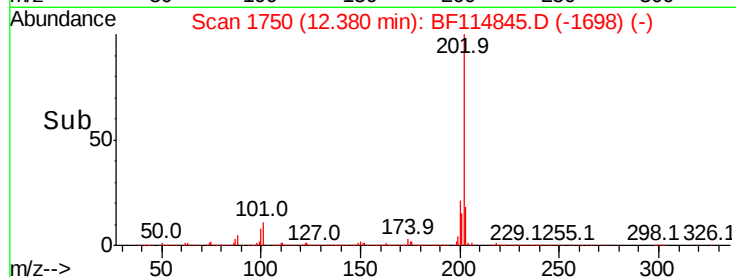
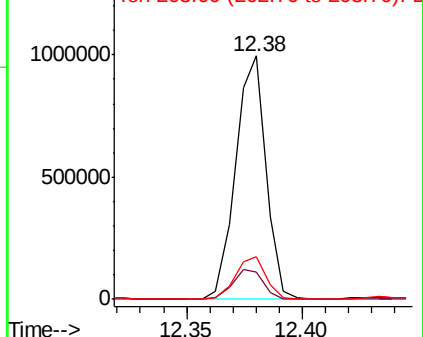
203 17.6 0.2 40.2



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: 13.80 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

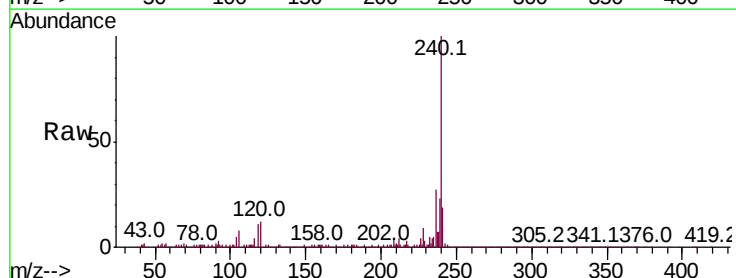
Tgt Ion:240 Resp: 819591

Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.4

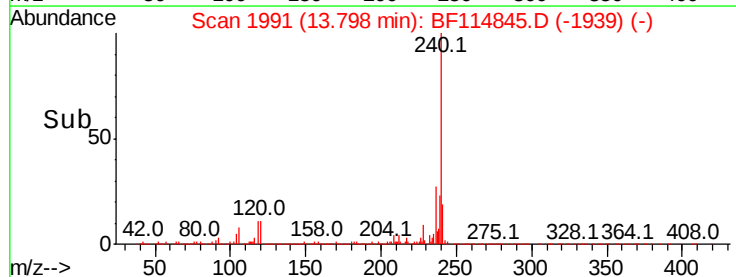
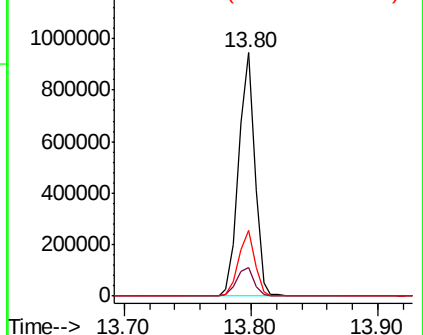
236 27.1 21.4 32.0

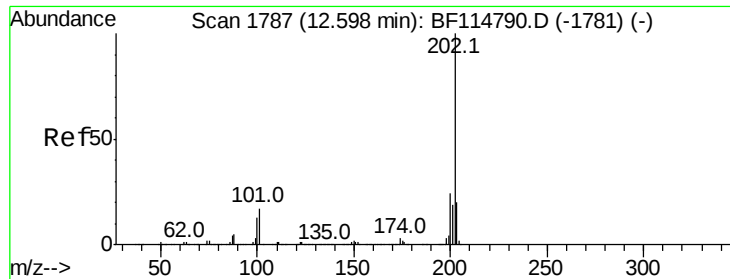


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

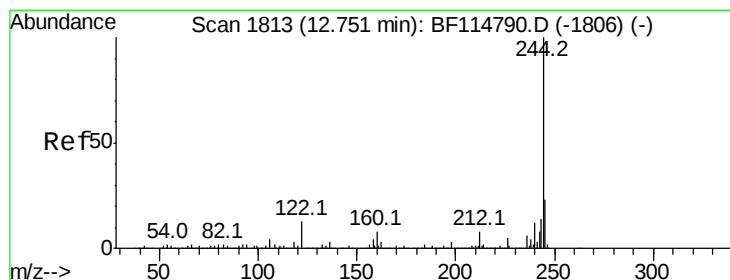
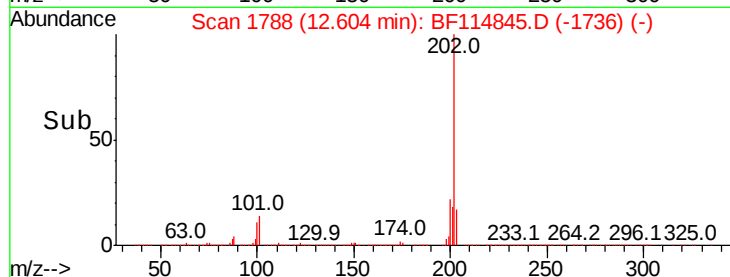
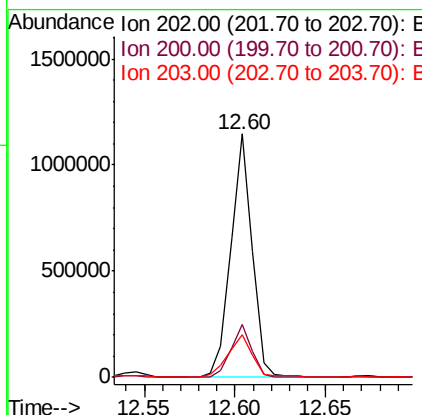
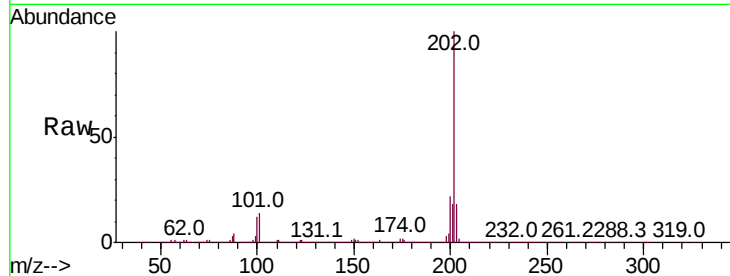




#78
Pvrene
Concen: 13.204 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BF114845.D
Acq: 6 Jun 2019 3:30

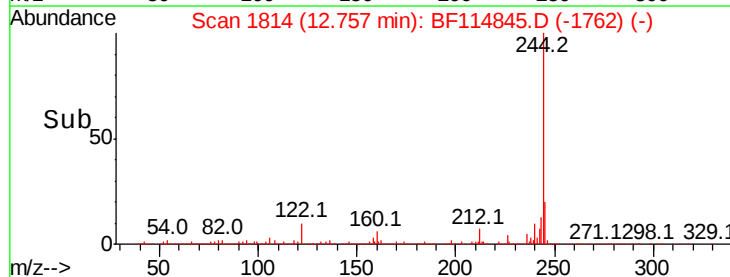
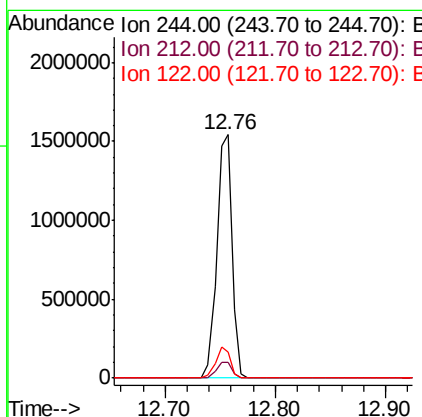
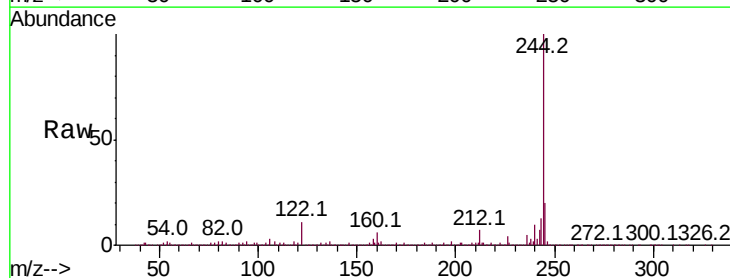
Instrument :
BNA_F
ClientSampleId :

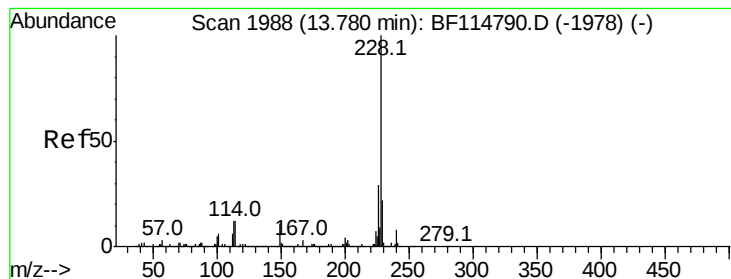
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	19.2	28.8
203	17.6	15.9	23.9



#79
Terphenyl-d14
Concen: 34.858 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF114845.D
Acq: 6 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.5	9.7
122	10.5	10.5	15.7





#81

Benzo(a)anthracene

Concen: 6.573 ng

RT: 13.82 min Scan# 1995

Delta R.T. 0.04 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

Instrument :

BNA_F

ClientSampleId :

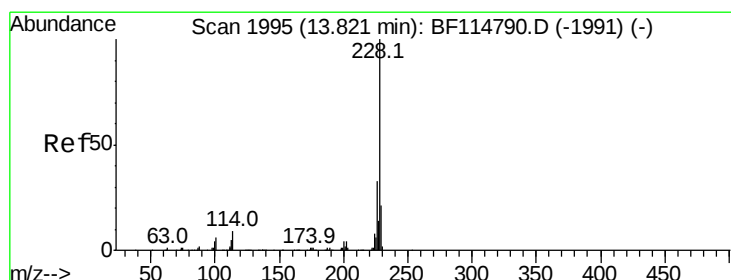
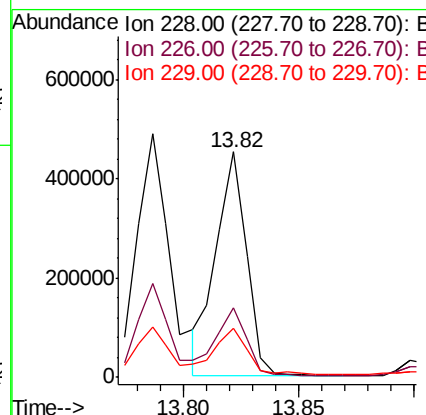
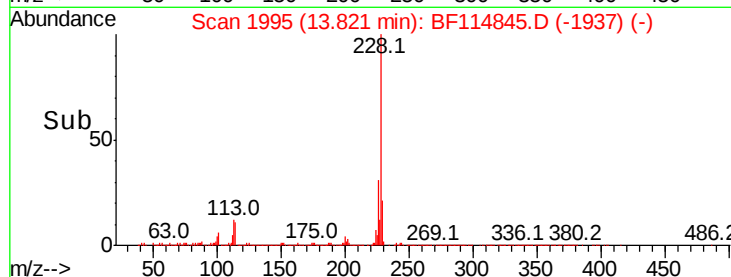
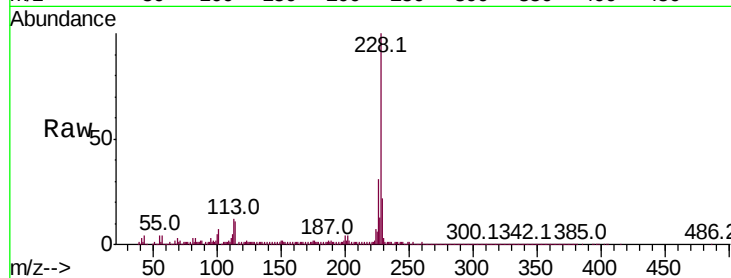
Tot Ion:228 Resp: 415123

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.2

229 22.0 17.4 26.0



#83

Chrysene

Concen: 6.757 ng

RT: 13.82 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

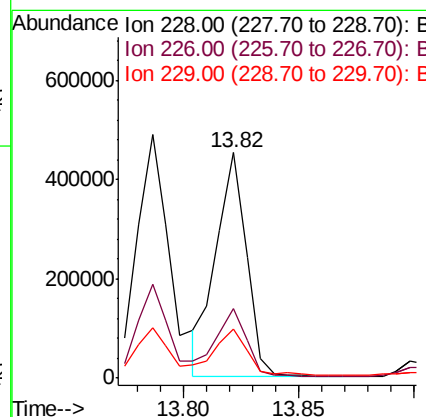
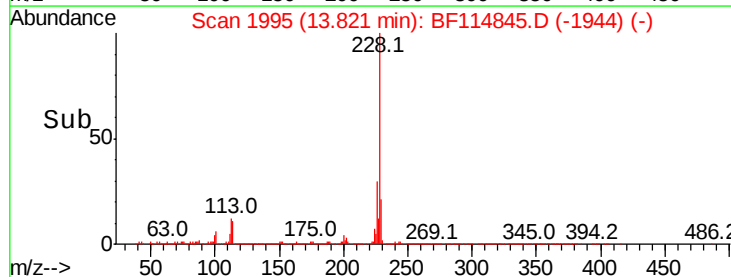
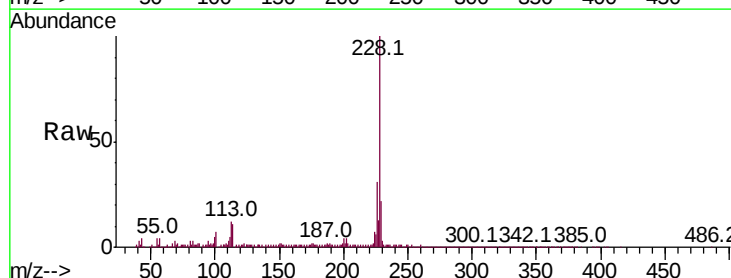
Tgt Ion:228 Resp: 415123

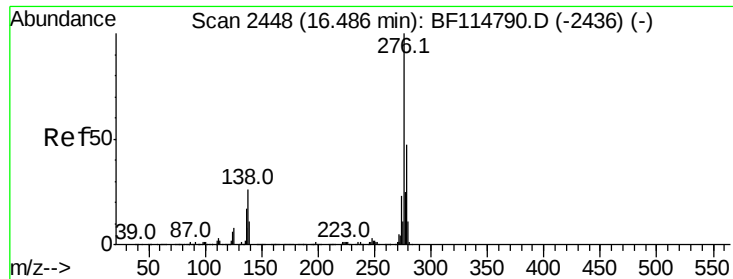
Ion Ratio Lower Upper

228 100

226 31.0 26.0 39.0

229 22.0 17.1 25.7

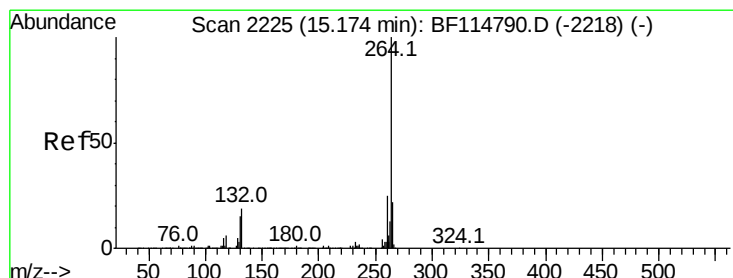
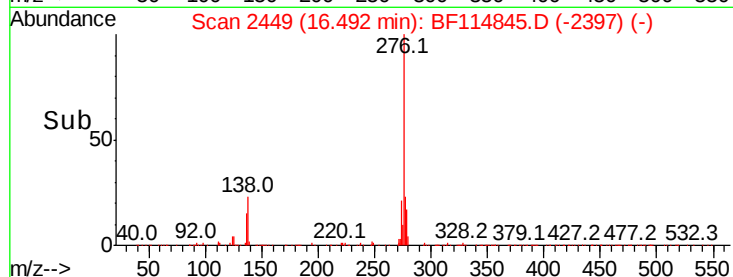
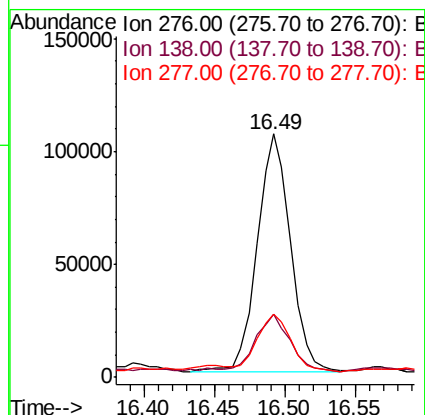
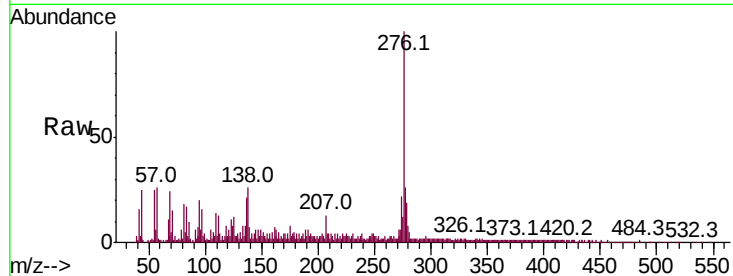




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.489 ng
 RT: 16.49 min Scan# 2449
 Delta R.T. 0.01 min
 Lab File: BF114845.D
 Acq: 6 Jun 2019 3:30

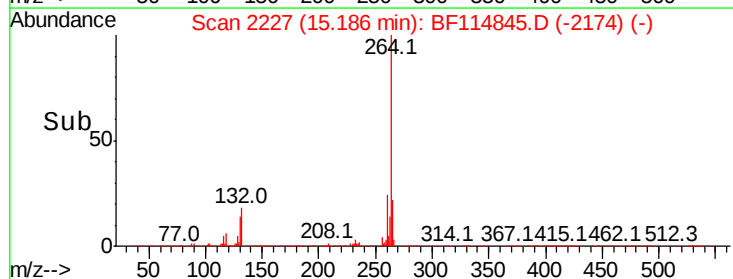
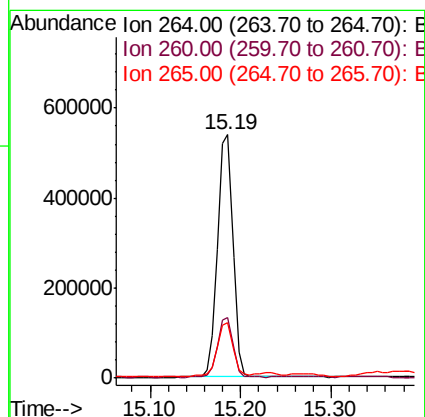
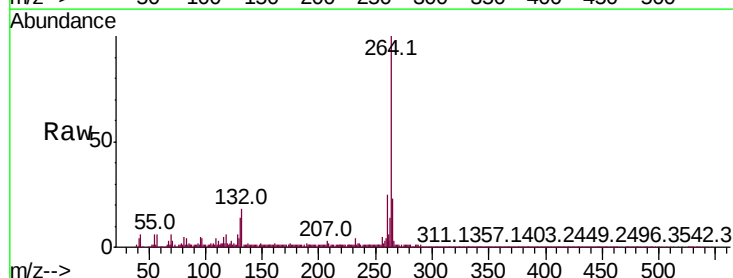
Instrument :
 BNA_F
 ClientSampleID :

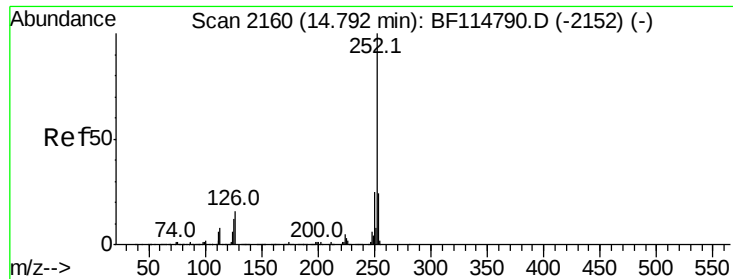
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	22.2	33.4
277	25.4	20.6	30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.19 min Scan# 2227
 Delta R.T. 0.01 min
 Lab File: BF114845.D
 Acq: 6 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.1	30.1
265	22.6	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 13.939 ng

RT: 14.80 min Scan# 2161

Delta R.T. 0.01 min

Lab File: BF114845.D

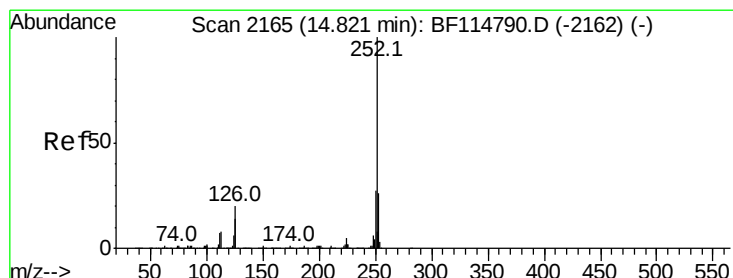
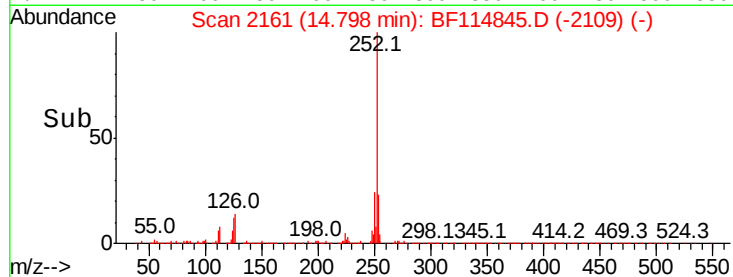
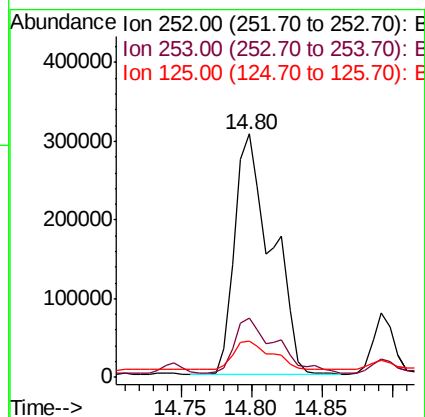
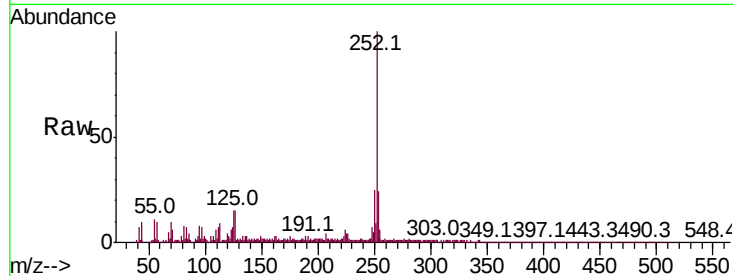
Acq: 6 Jun 2019 3:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	563365
Ion Ratio	Lower	Upper
252	100	
253	24.4	19.0 28.6
125	15.1	9.4 14.0#



#89

Benzo(k)fluoranthene

Concen: 16.414 ng

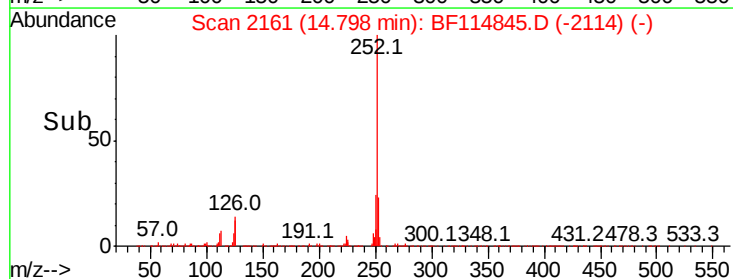
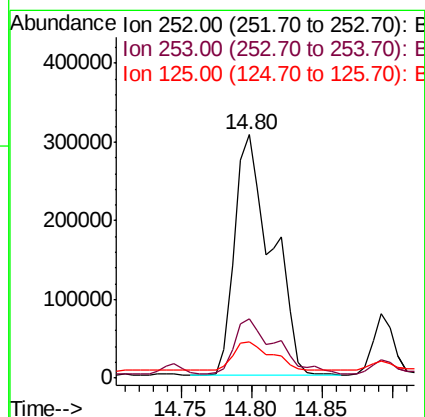
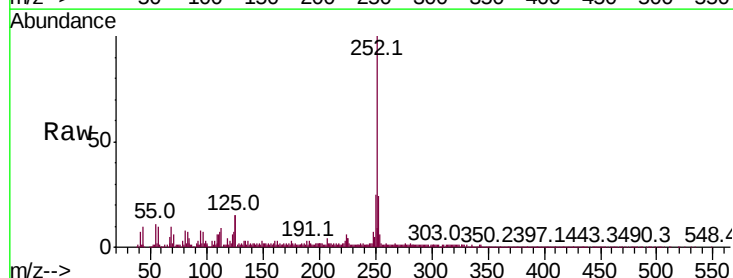
RT: 14.80 min Scan# 2161

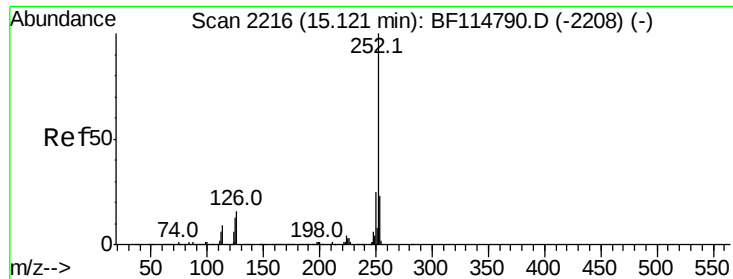
Delta R.T. -0.02 min

Lab File: BF114845.D

Acq: 6 Jun 2019 3:30

Tgt Ion:252	Resp:	563365
Ion Ratio	Lower	Upper
252	100	
253	24.4	19.3 28.9
125	15.1	10.1 15.1#

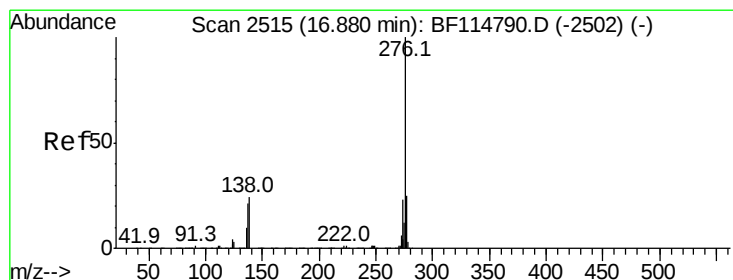
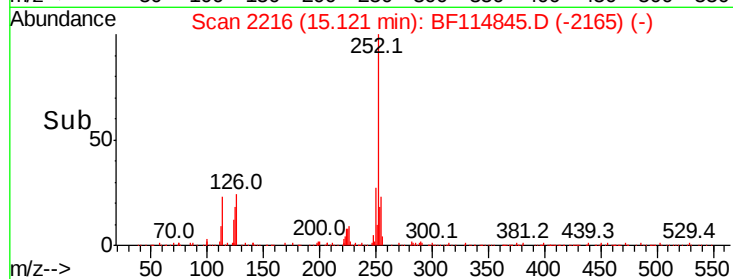
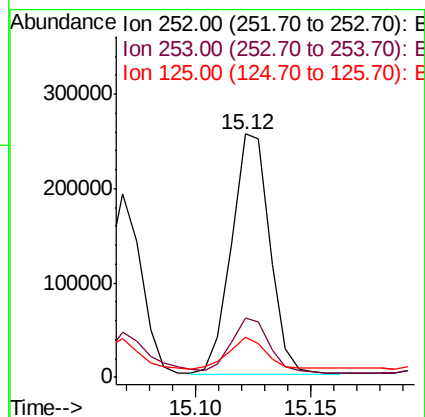
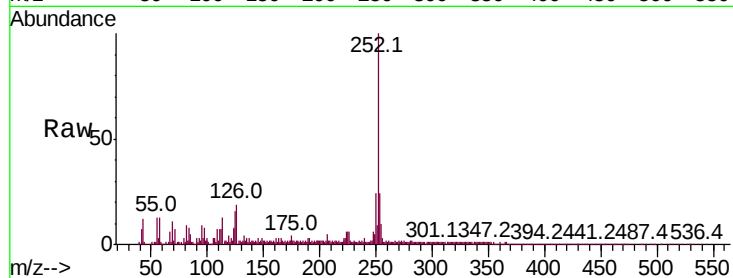




#90
Benzo(a)pyrene
Concen: 8.412 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF114845.D
Acq: 6 Jun 2019 3:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	16.2	10.1	15.1#



#92
Benzo(g,h,i)perylene
Concen: 4.829 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.01 min
Lab File: BF114845.D
Acq: 6 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.8	29.6
138	25.9	19.4	29.2

