

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114824.D
 Acq On : 5 Jun 2019 18:09
 Operator : HP/JU
 Sample : K3183-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:00:01 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	304872	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1177928	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	601693	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1225628	20.00	ng	0.00
76) Chrysene-d12	13.79	240	894653	20.00	ng	0.00
87) Perylene-d12	15.18	264	899777	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1682125	96.41	ng	0.00
7) Phenol-d6	6.30	99	2046498	96.39	ng	0.00
23) Nitrobenzene-d5	7.23	82	1247364	65.19	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	640589	98.79	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2223860	69.24	ng	0.00
79) Terphenyl-d14	12.76	244	2506018	54.47	ng	0.00

Target Compounds

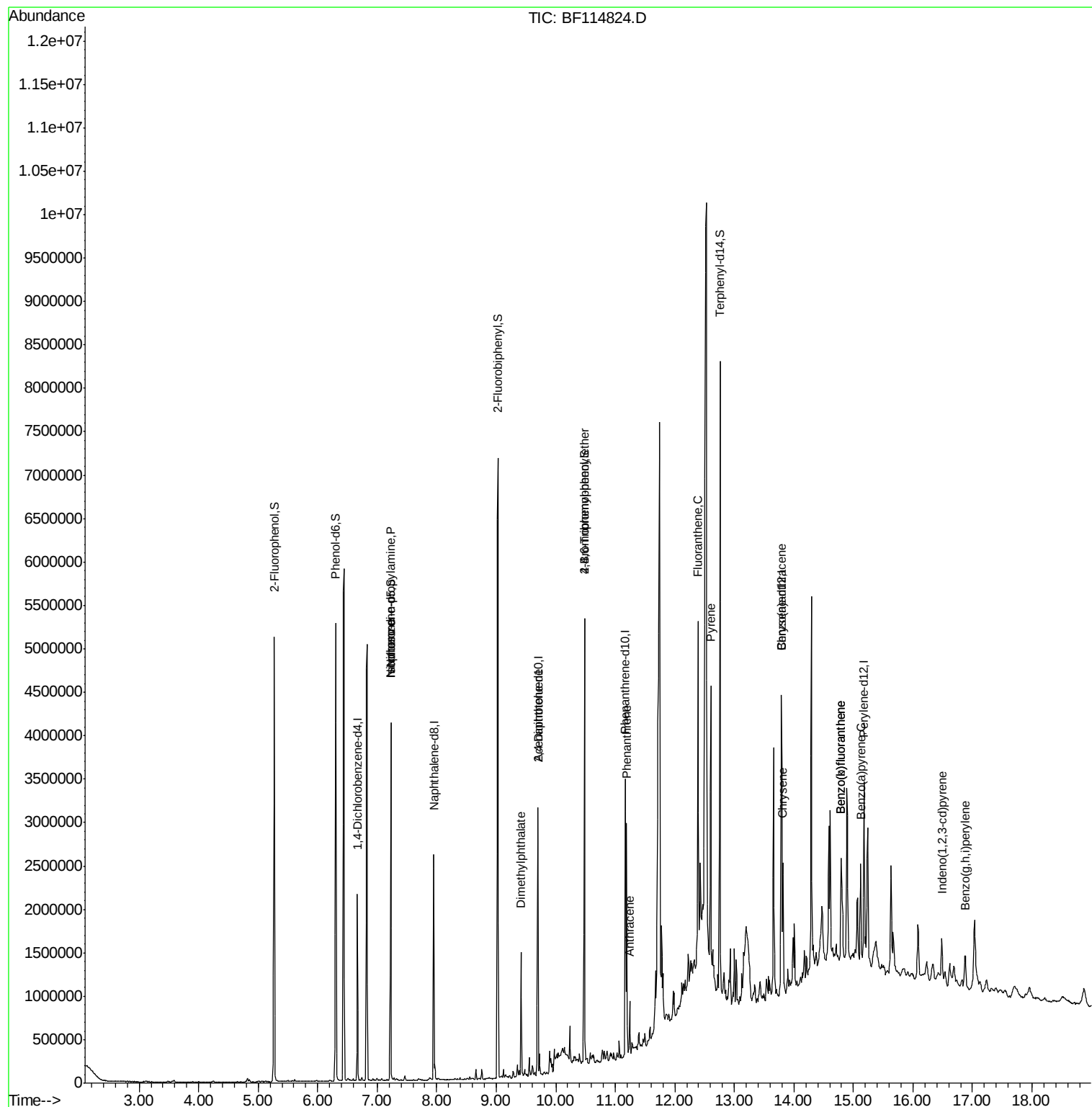
						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	163084	11.604	ng	# 78
25) Isophorone	7.23	82	1206195	31.885	ng	# 61
50) Dimethylphthalate	9.42	163	530609	12.074	ng	99
57) 2,4-Dinitrotoluene	9.70	165	80896	6.226	ng	# 33
58) Fluorene	10.24	166	106728	Below Cal		97
67) 4-Bromophenyl-phenylether	10.48	248	41274	2.965	ng	# 1
71) Phenanthrene	11.19	178	940097	16.067	ng	96
72) Anthracene	11.25	178	224418	3.645	ng	93
75) Fluoranthene	12.39	202	1380403	22.668	ng	98
78) Pyrene	12.60	202	1329679	17.132	ng	97
81) Benzo(a)anthracene	13.79	228	602968	8.746	ng	99
83) Chrysene	13.82	228	628902	9.377	ng	96
86) Indeno(1,2,3-cd)pyrene	16.49	276	331987	4.338	ng	97
88) Benzo(b)fluoranthene	14.79	252	905746	15.812	ng	# 97
89) Benzo(k)fluoranthene	14.79	252	905746	18.620	ng	97
90) Benzo(a)pyrene	15.12	252	487223	9.827	ng	98
92) Benzo(a,h,i)perylene	16.88	276	301958	6.395	ng	98

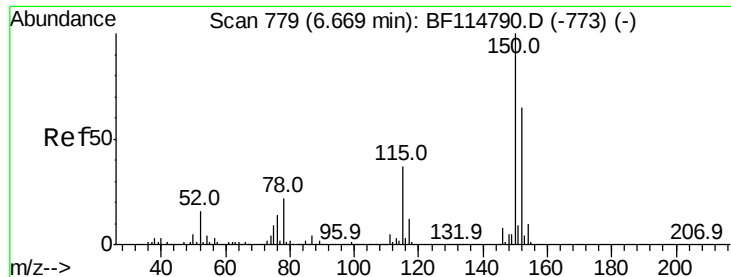
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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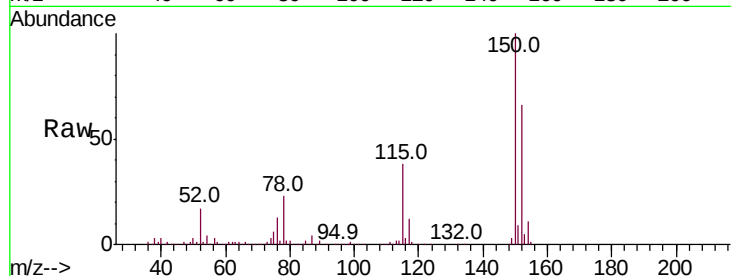


#1

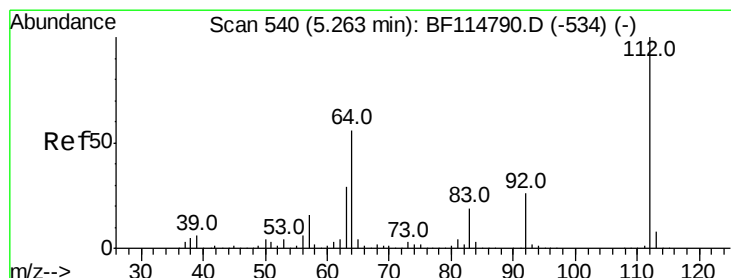
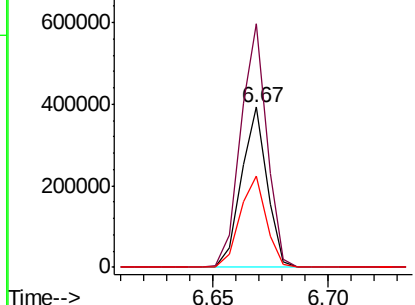
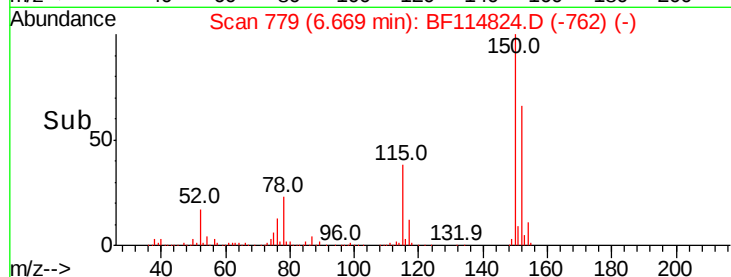
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 304872
Ion Ratio Lower Upper
152 100
150 152.1 124.0 186.0
115 57.3 46.3 69.5



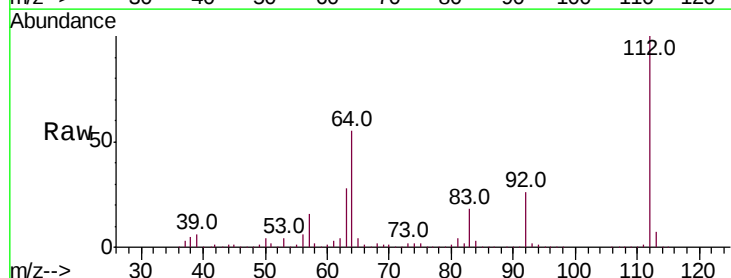
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



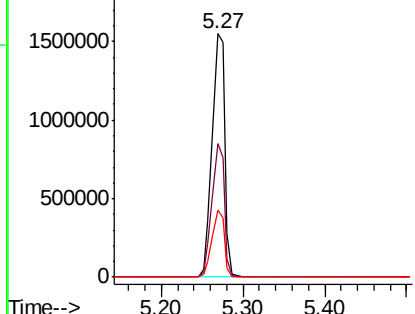
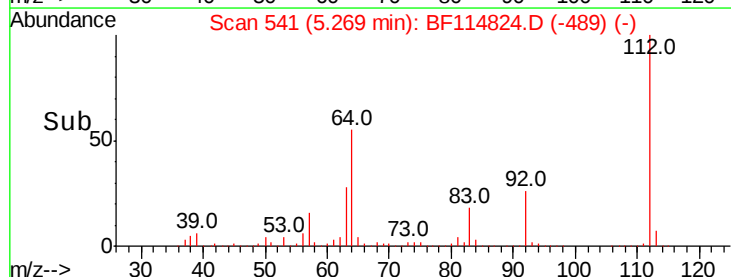
#5

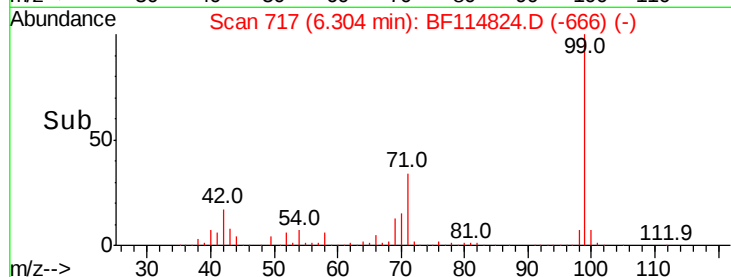
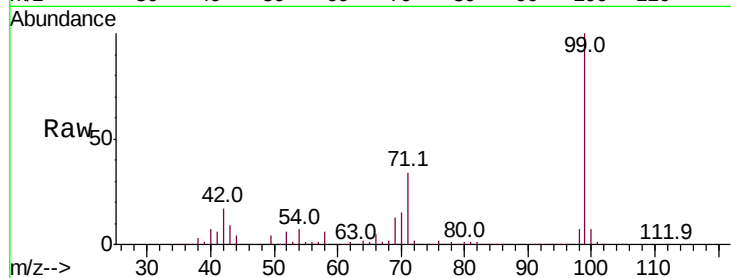
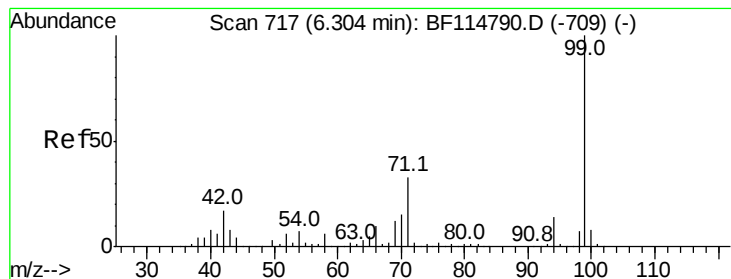
2-Fluorophenol
Concen: 96.410 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion:112 Resp: 1682125
Ion Ratio Lower Upper
112 100
64 54.8 44.6 66.8
63 27.7 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: 96.395 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

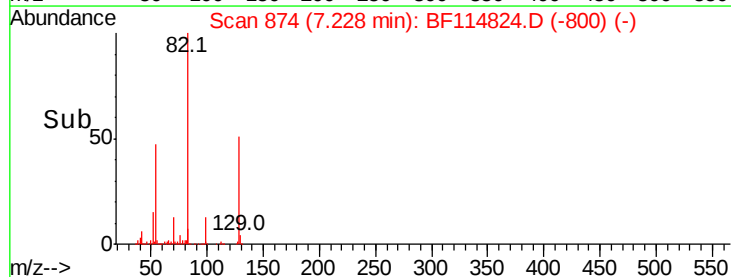
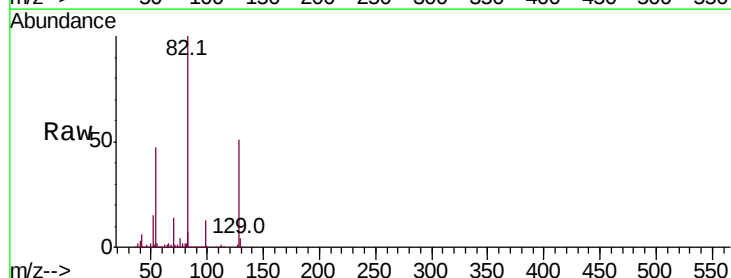
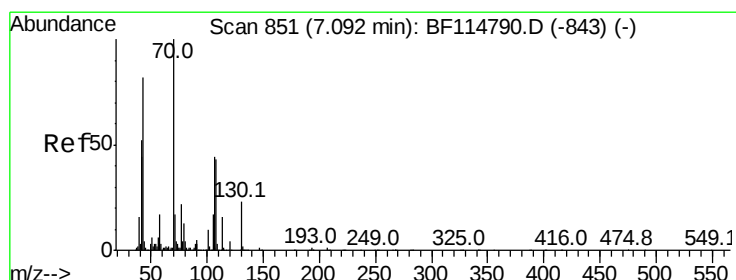
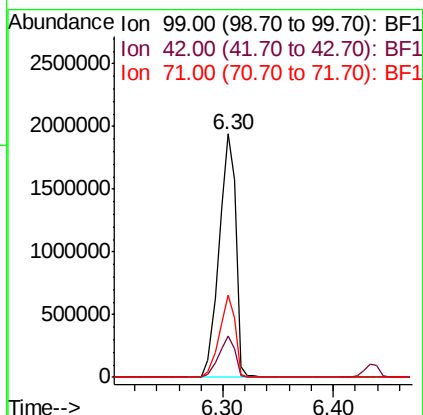
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 2046498

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.3	19.9
71	33.8	26.3	39.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.604 ng

RT: 7.23 min Scan# 874

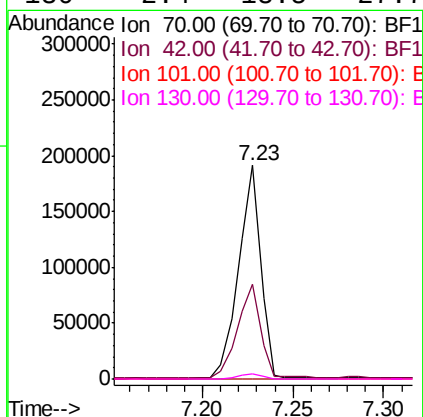
Delta R.T. 0.14 min

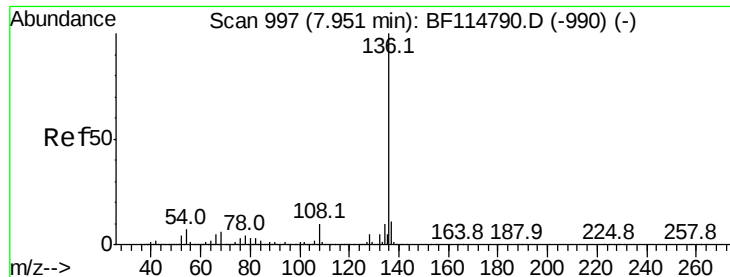
Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

Tgt Ion: 70 Resp: 163084

Ion	Ratio	Lower	Upper
70	100		
42	44.3	41.8	62.8
101	0.0	8.2	12.4#
130	2.4	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: BF114824.D

Acq: 5 Jun 2019 18:09

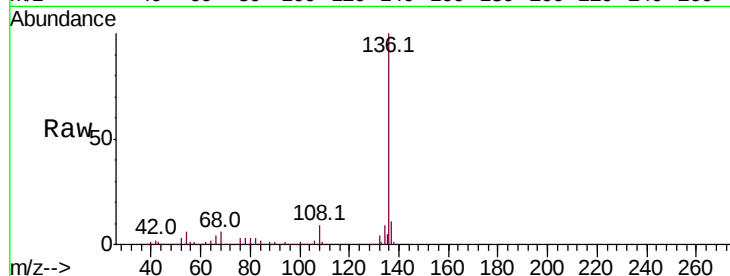
Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1177928

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.2	5.4	8.0
68	5.5	4.6	6.8

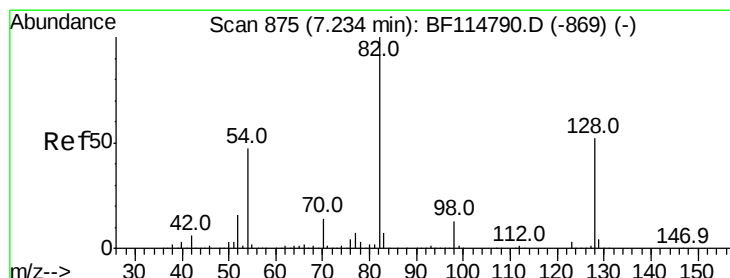
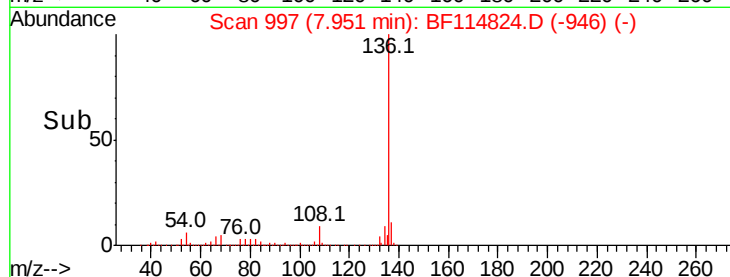


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.187 ng

RT: 7.23 min Scan# 874

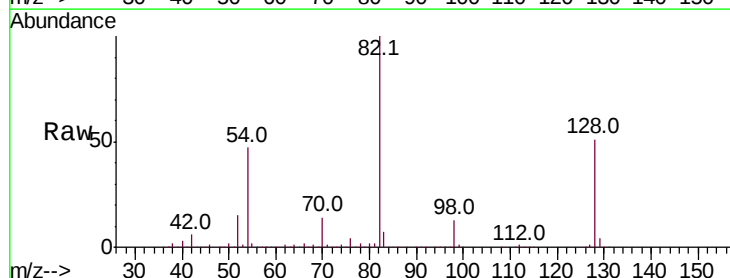
Delta R.T. -0.01 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

Tgt Ion: 82 Resp: 1247364

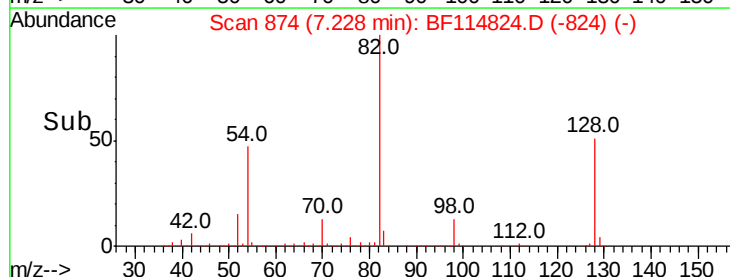
Ion	Ratio	Lower	Upper
82	100		
128	51.2	41.8	62.6
54	46.6	37.9	56.9

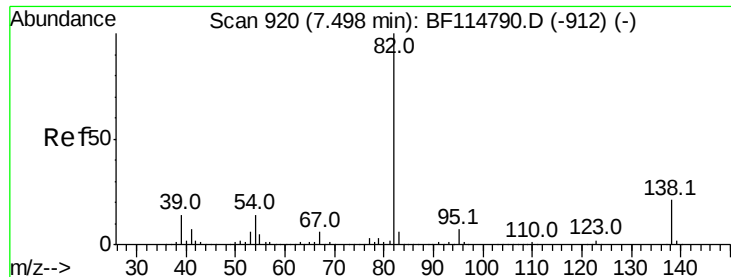


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.885 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

Instrument :

BNA_F

ClientSampleId :

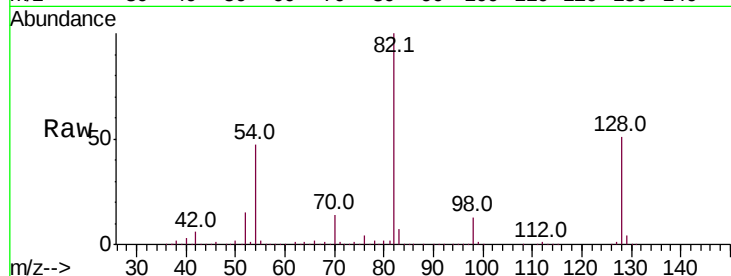
Tot Ion: 82 Resp: 1206195

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

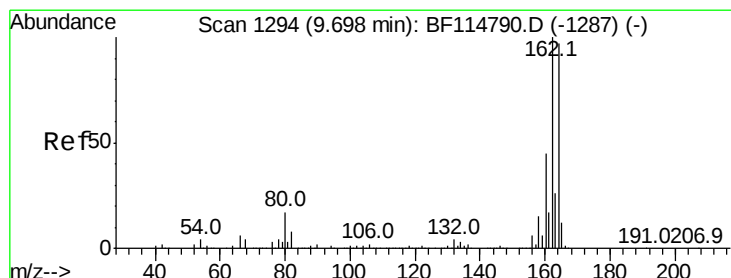
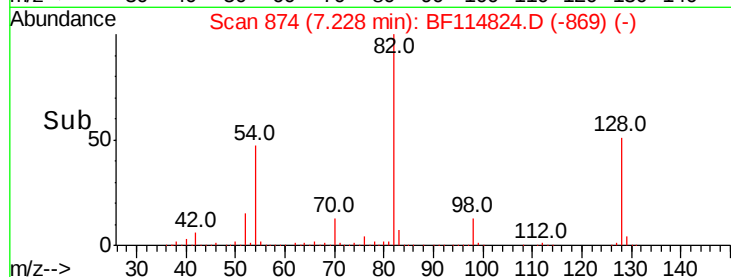
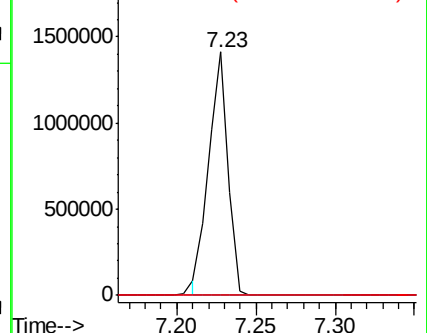
138 0.0 16.9 25.3#



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: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

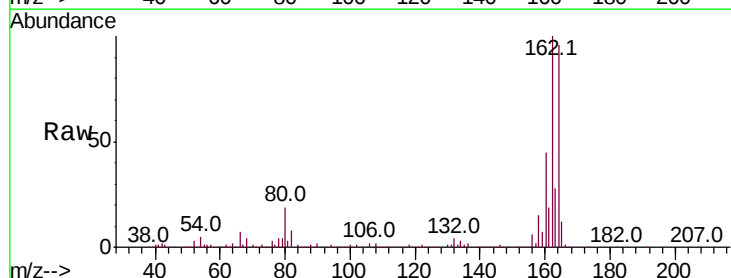
Tgt Ion:164 Resp: 601693

Ion Ratio Lower Upper

164 100

162 103.6 82.3 123.5

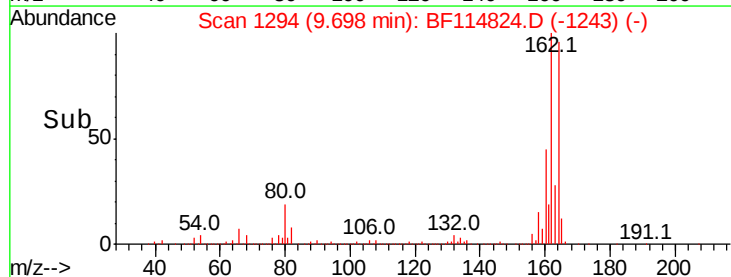
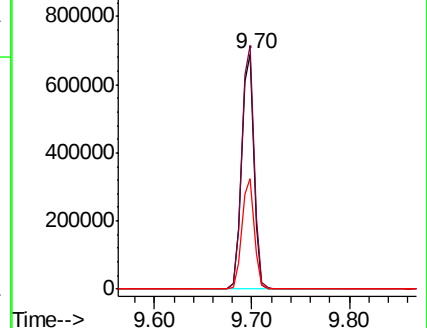
160 46.8 36.7 55.1

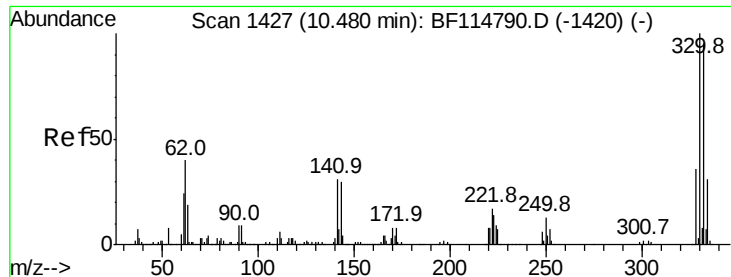


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 98.792 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

Instrument :

BNA_F

ClientSampled :

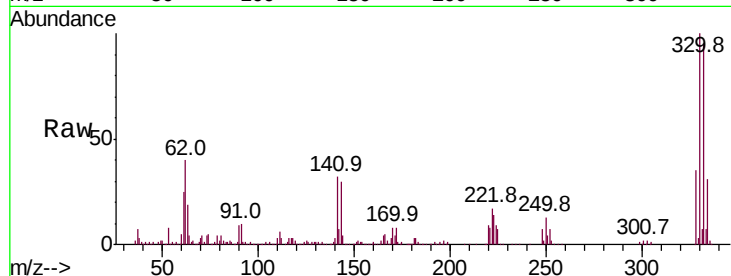
Tot Ion:330 Resp: 640589

Ion Ratio Lower Upper

330 100

332 95.7 77.3 115.9

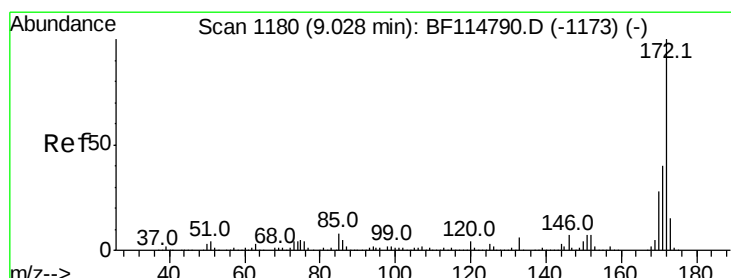
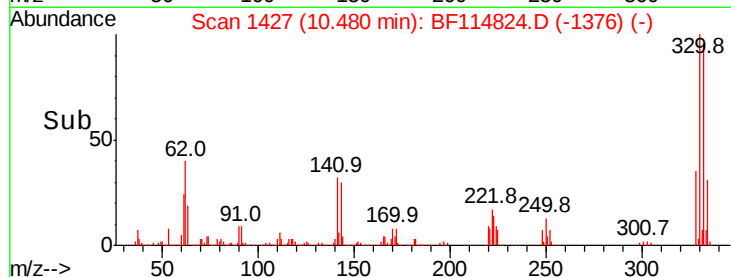
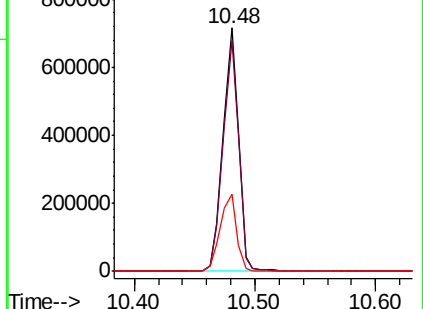
141 32.7 26.2 39.4



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: 69.236 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

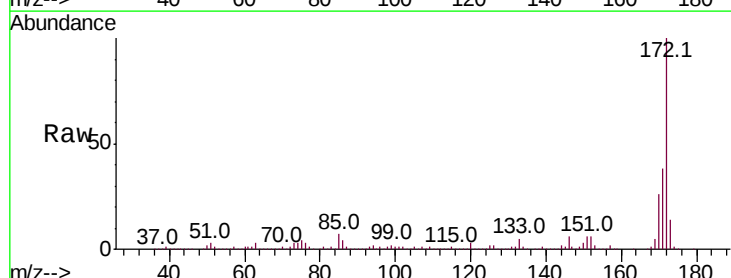
Tgt Ion:172 Resp: 2223860

Ion Ratio Lower Upper

172 100

171 38.1 32.3 48.5

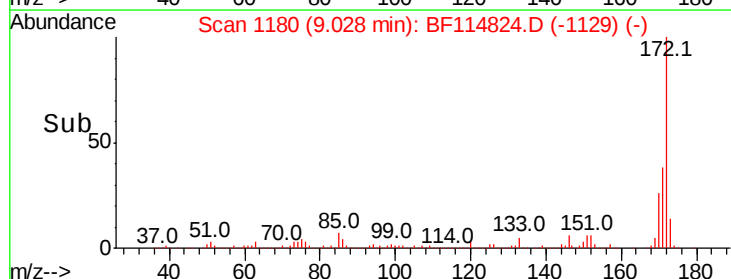
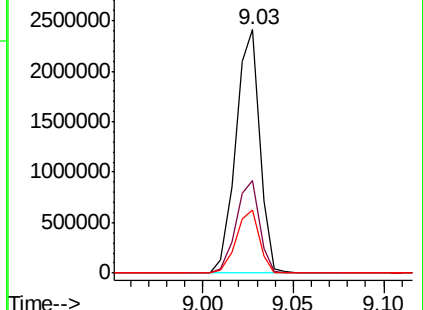
170 26.1 22.4 33.6

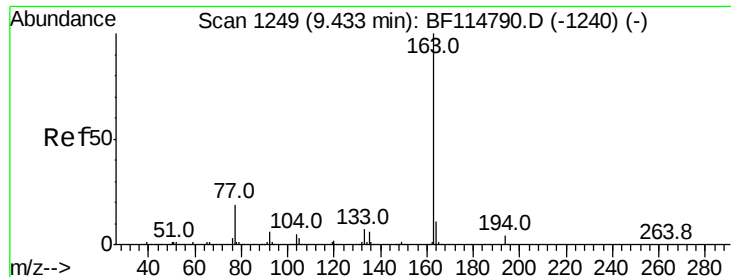


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

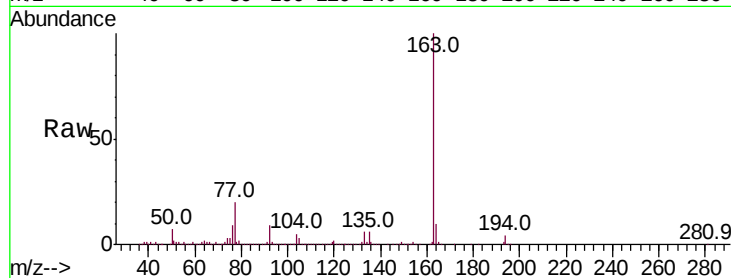




#50
Dimethylphthalate
Concen: 12.074 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.2
164	10.2	8.6	13.0

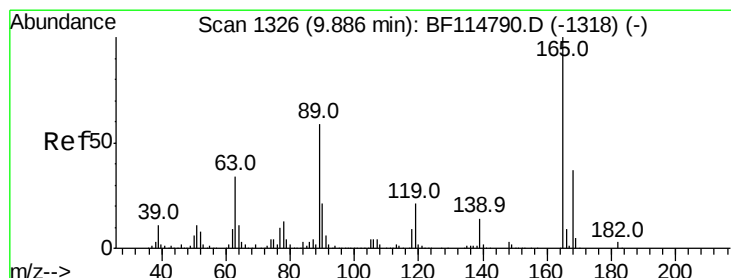
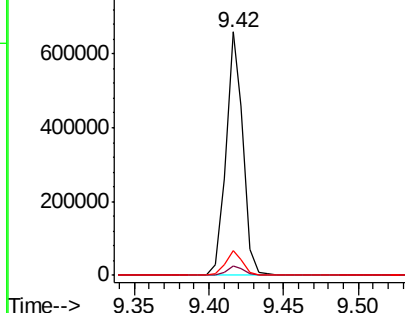
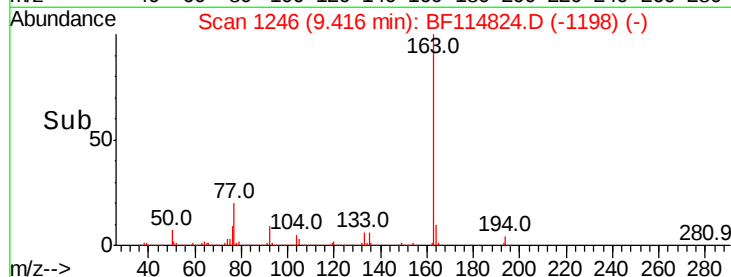


Abundance

Ion 163.00 (162.70 to 163.70): E

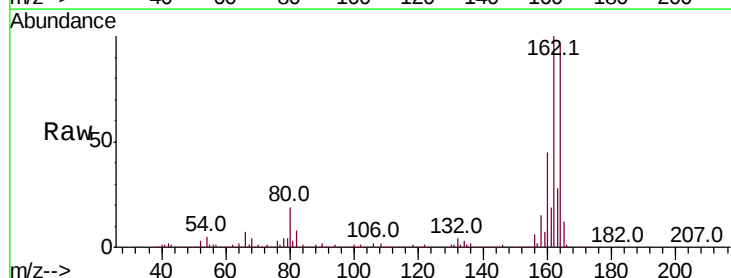
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 6.226 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.19 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.0	40.4#
89	1.6	47.0	70.6#
182	0.7	2.2	3.2#



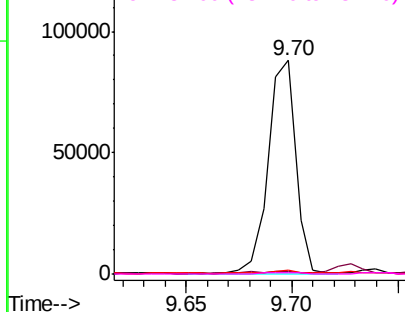
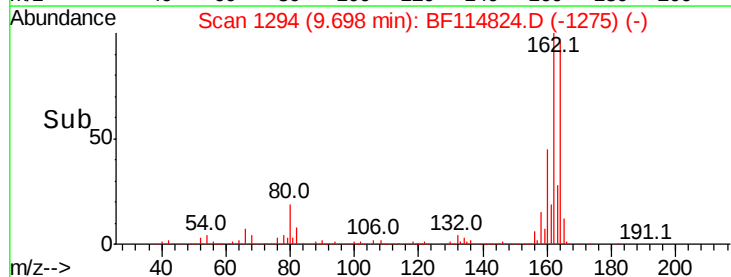
Abundance

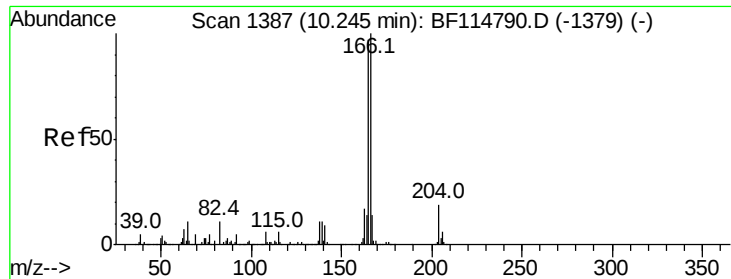
Ion 165.00 (164.70 to 165.70): E

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

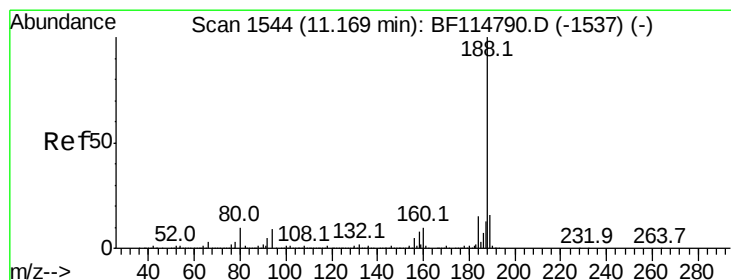
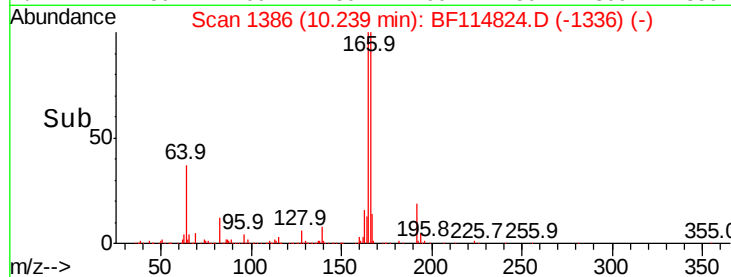
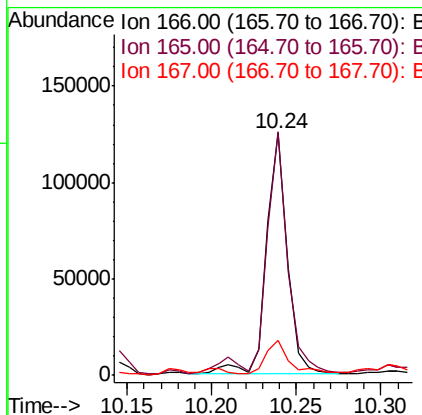
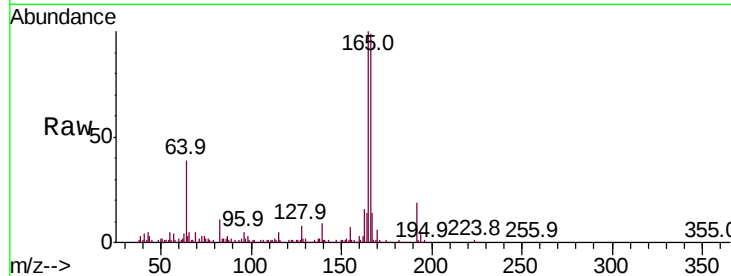




#58
 Fluorene
 Concen: Below Cal
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BF114824.D
 Acq: 5 Jun 2019 18:09

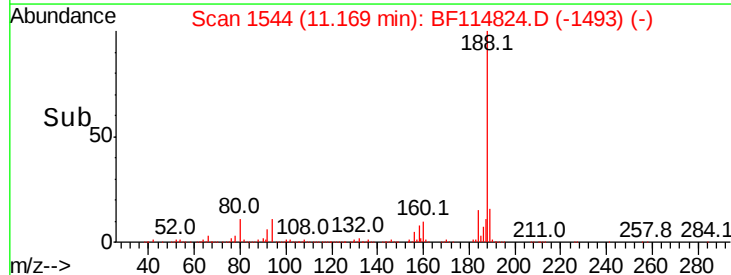
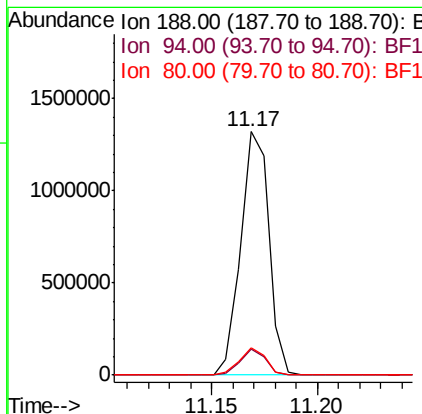
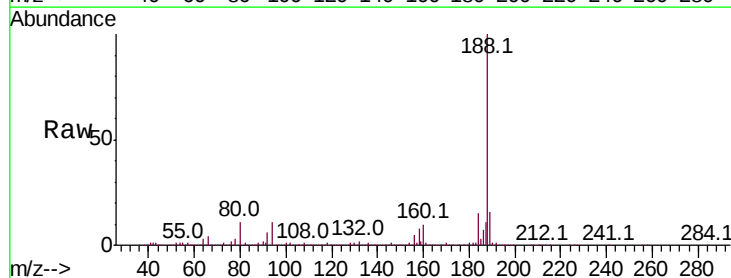
Instrument :
 BNA_F
 ClientSampleId :

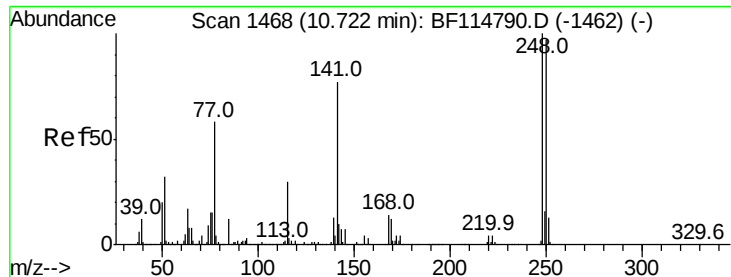
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.9	116.9
167	14.4	11.3	16.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. 0.00 min
 Lab File: BF114824.D
 Acq: 5 Jun 2019 18:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.6	11.4
80	11.0	8.3	12.5





#67

4-Bromophenyl-phenylether

Concen: 2.965 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.24 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

Instrument :

BNA_F

ClientSampled :

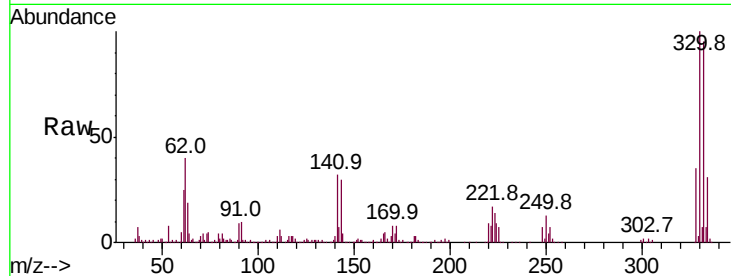
Tot Ion:248 Resp: 41274

Ion Ratio Lower Upper

248 100

250 198.9 77.5 116.3#

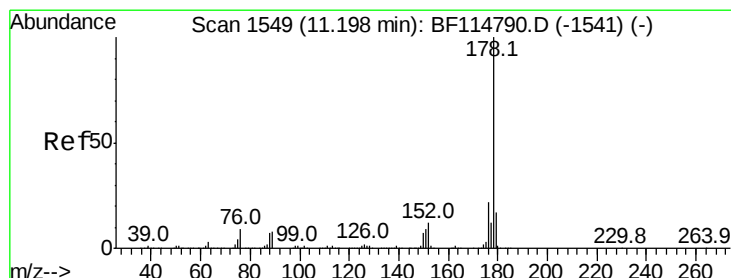
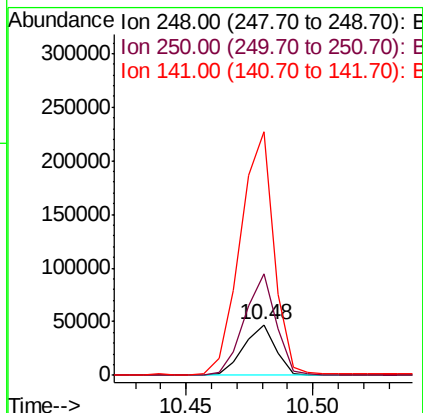
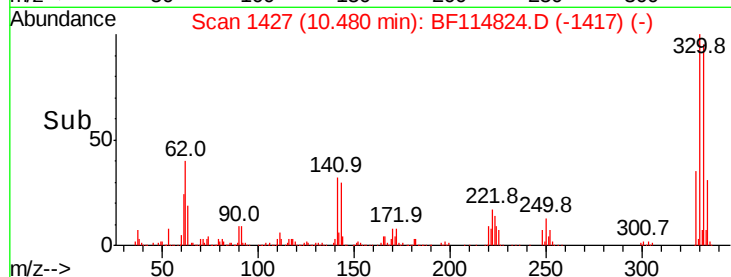
141 479.7 61.8 92.8#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71

Phenanthrene

Concen: 16.067 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

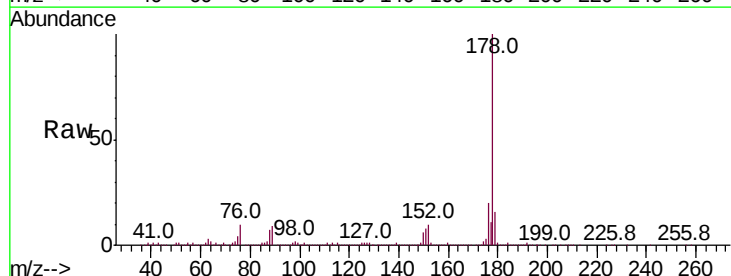
Tgt Ion:178 Resp: 940097

Ion Ratio Lower Upper

178 100

176 19.9 17.7 26.5

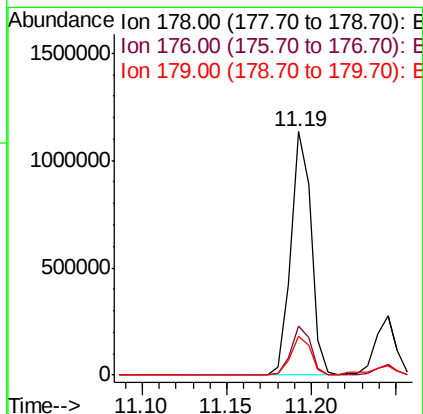
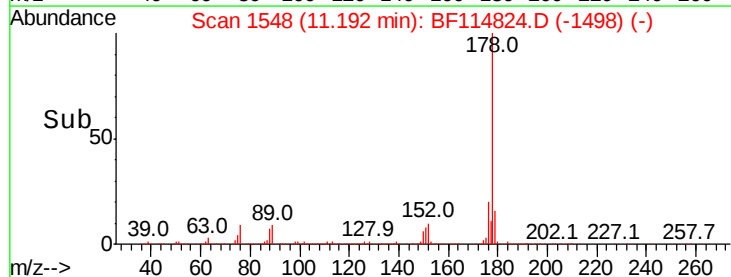
179 16.0 13.7 20.5

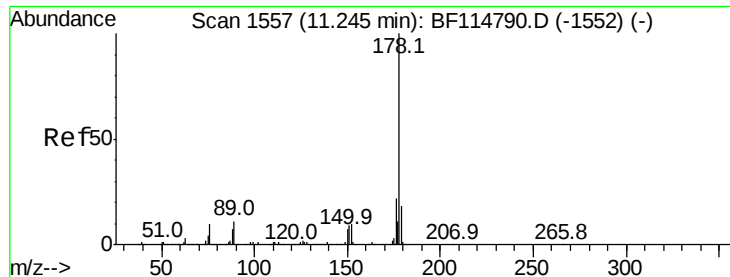


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.645 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

Instrument :

BNA_F

ClientSampled :

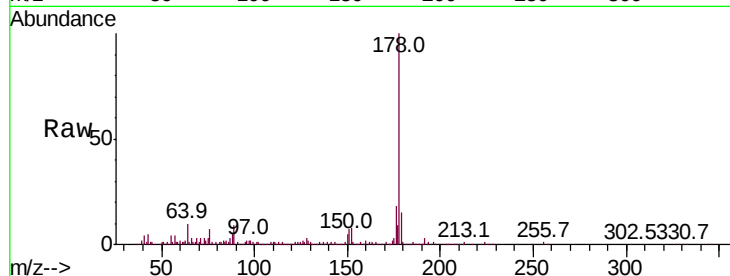
Tot Ion:178 Resp: 224418

Ion Ratio Lower Upper

178 100

176 18.2 17.4 26.0

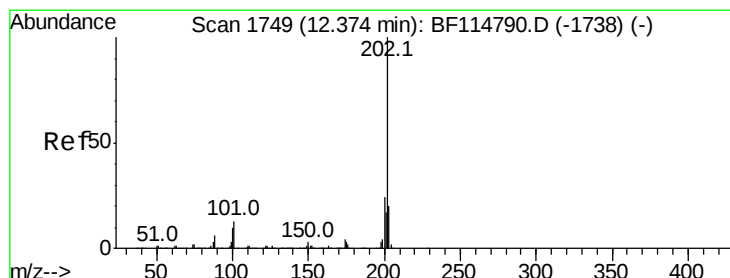
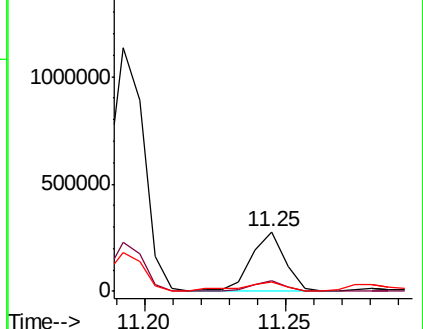
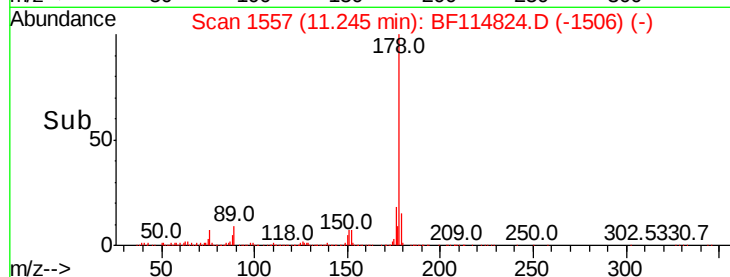
179 15.0 14.2 21.4



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: 22.668 ng

RT: 12.39 min Scan# 1752

Delta R.T. 0.02 min

Lab File: BF114824.D

Acq: 5 Jun 2019 18:09

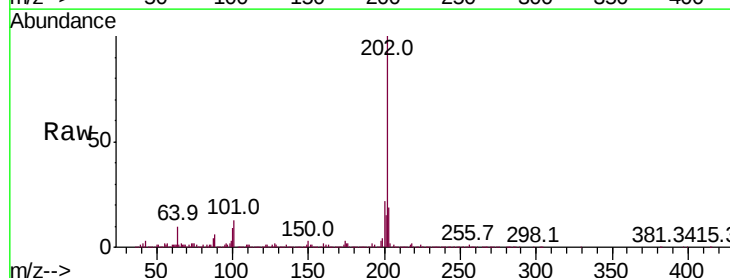
Tgt Ion:202 Resp: 1380403

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.8

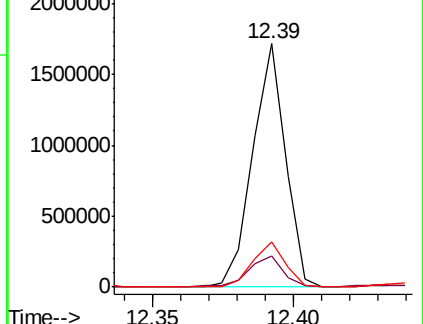
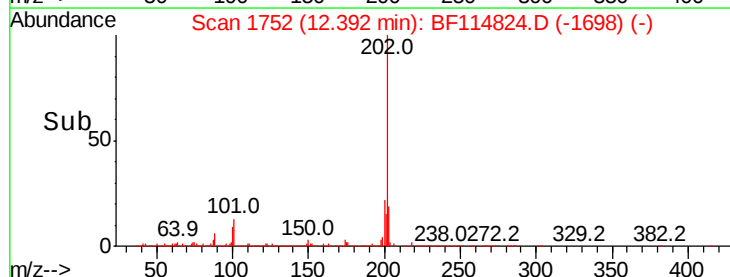
203 18.7 0.2 40.2

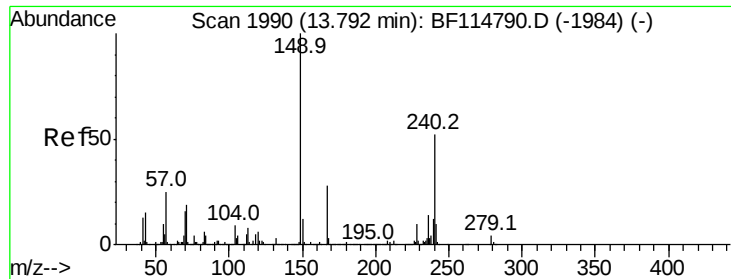


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

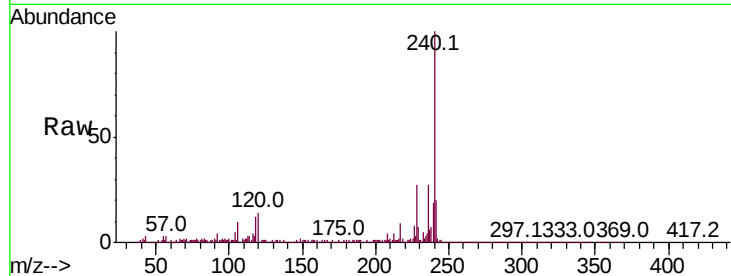




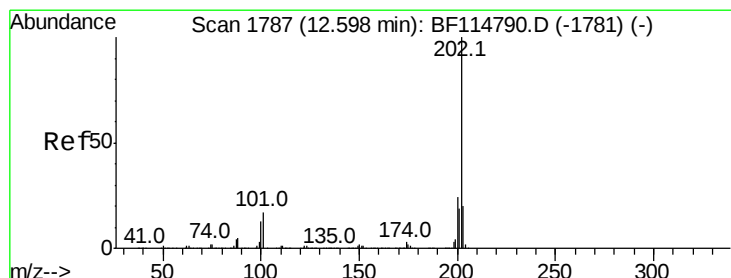
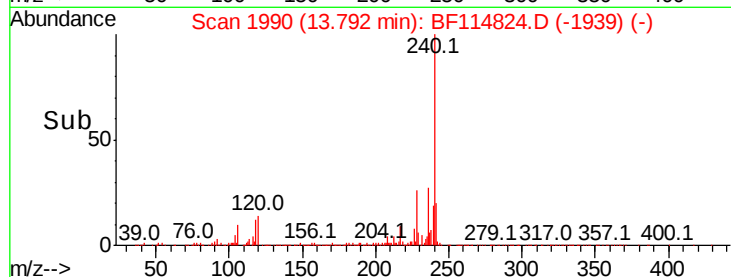
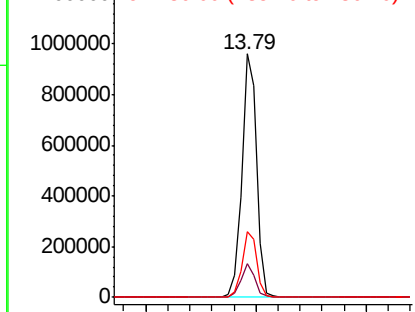
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 894653
Ion Ratio Lower Upper
240 100
120 13.9 9.0 13.4#
236 27.0 21.4 32.0

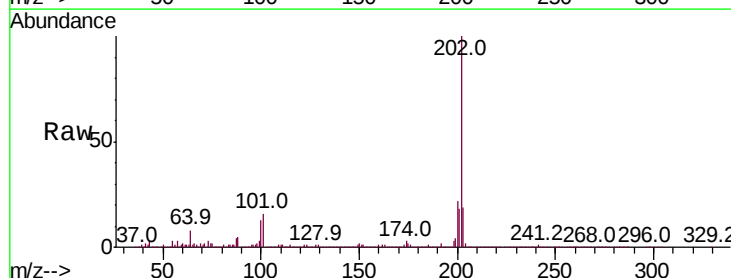


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

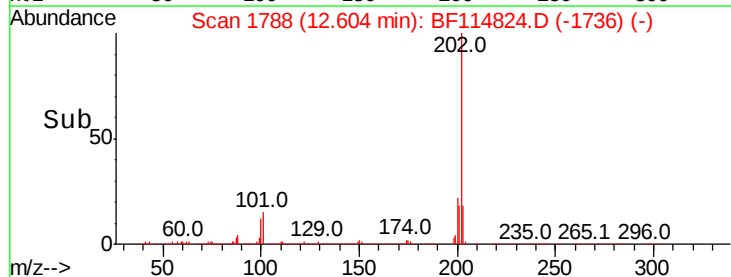
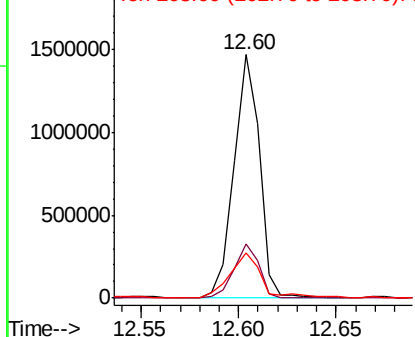


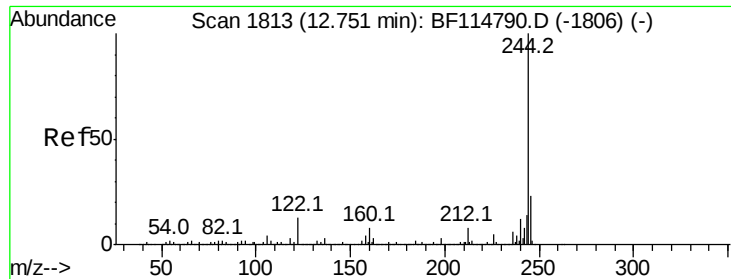
#78
Pyrene
Concen: 17.132 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion:202 Resp: 1329679
Ion Ratio Lower Upper
202 100
200 22.3 19.2 28.8
203 18.6 15.9 23.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



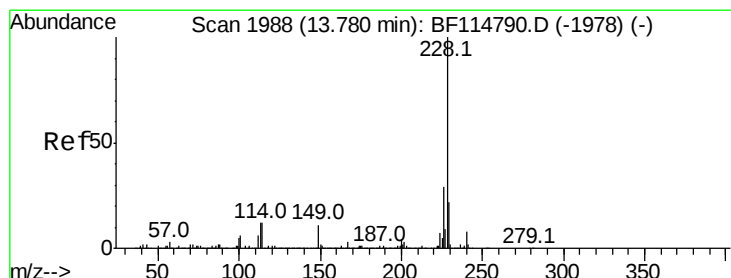
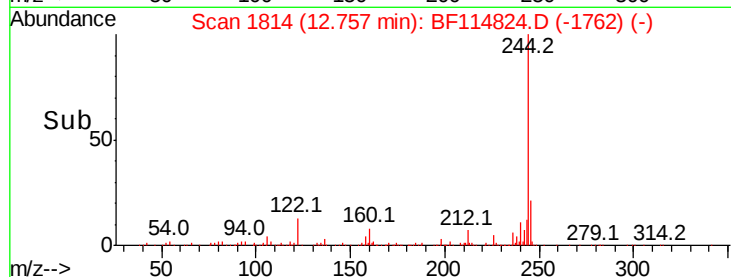
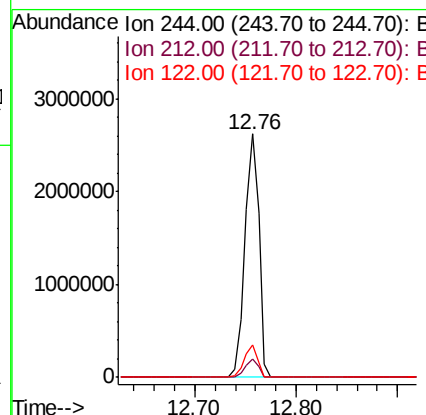
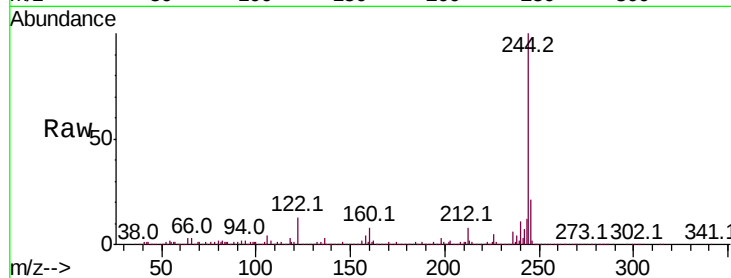


#79
 Terphenyl-d14
 Concen: 54.475 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: BF114824.D
 Acq: 5 Jun 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 2506018

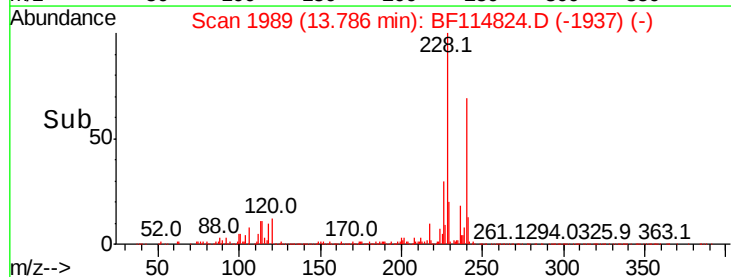
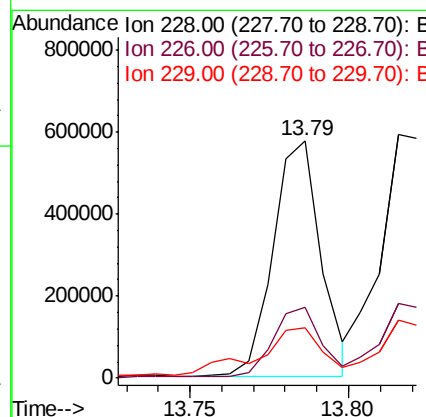
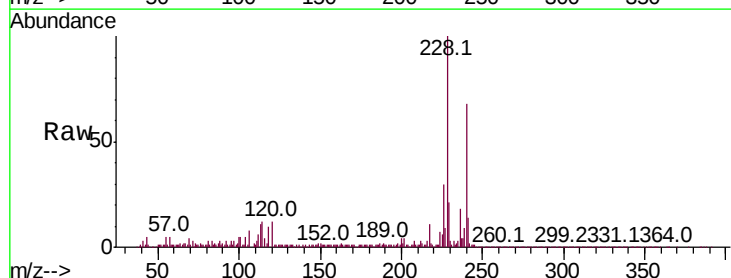
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	13.2	10.5	15.7

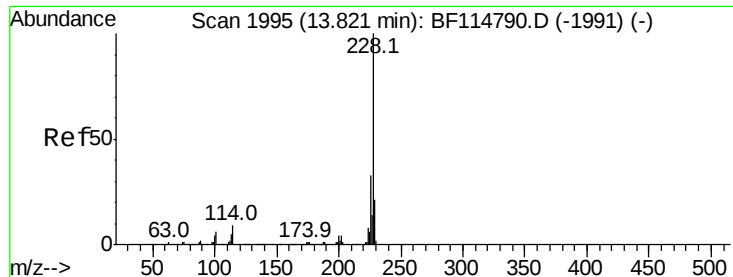


#81
 Benzo(a)anthracene
 Concen: 8.746 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: BF114824.D
 Acq: 5 Jun 2019 18:09

Tgt Ion:228 Resp: 602968

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.2
229	21.1	17.4	26.0

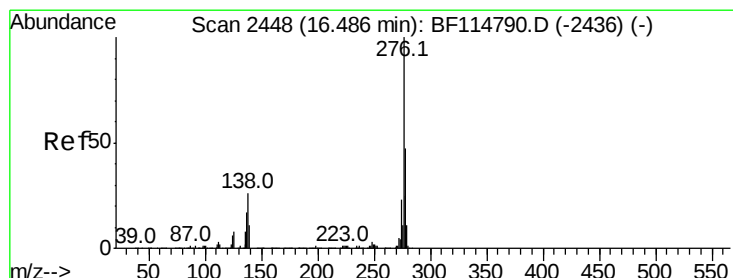
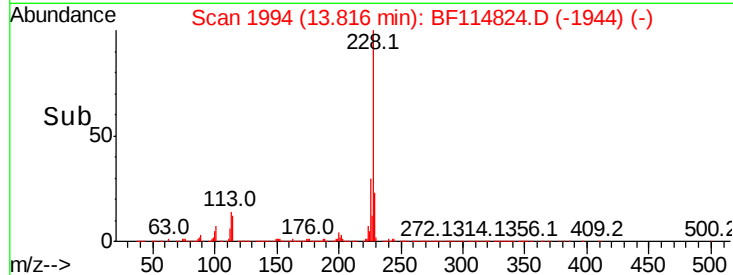
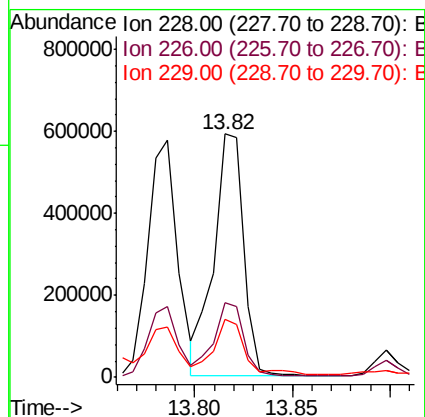
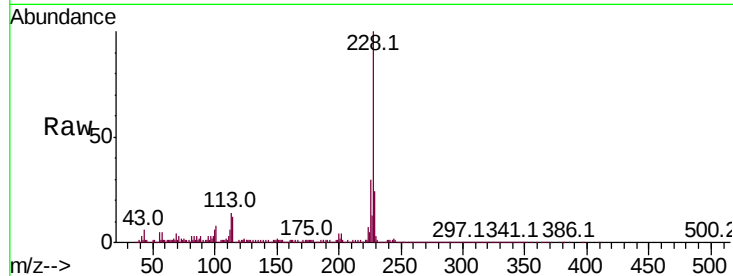




#83
Chrysene
Concen: 9.377 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

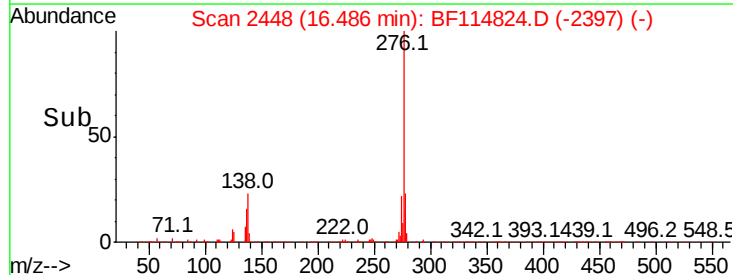
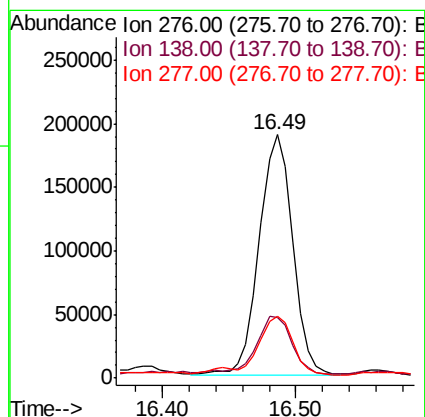
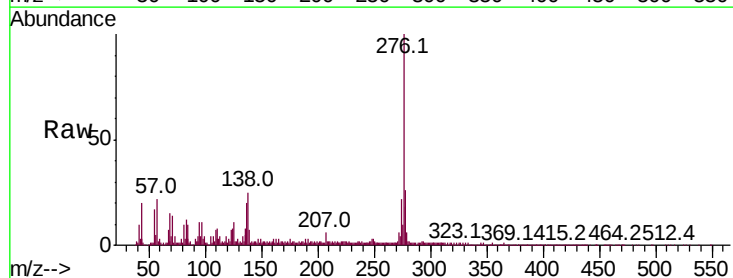
Instrument :
BNA_F
ClientSampleId :

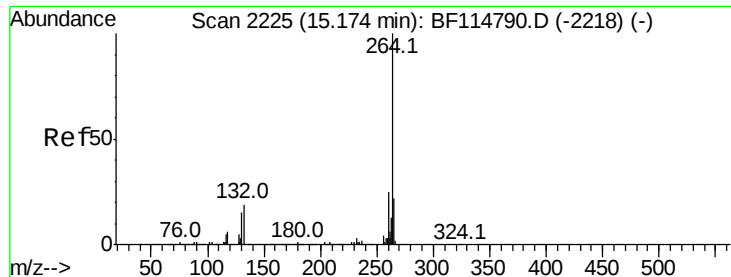
Tot Ion:228 Resp: 628902
Ion Ratio Lower Upper
228 100
226 30.5 26.0 39.0
229 23.7 17.1 25.7



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.338 ng
RT: 16.49 min Scan# 2448
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion:276 Resp: 331987
Ion Ratio Lower Upper
276 100
138 25.8 22.2 33.4
277 27.1 20.6 30.8

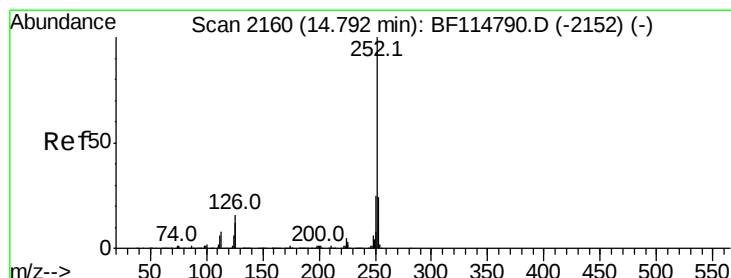
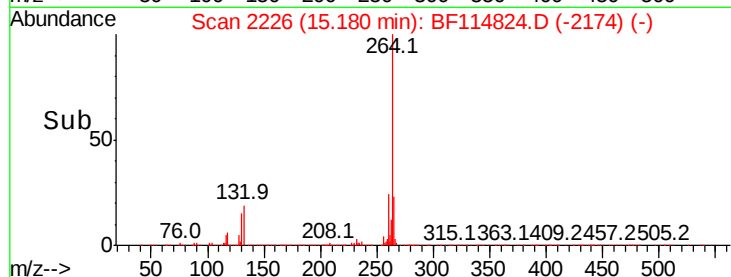
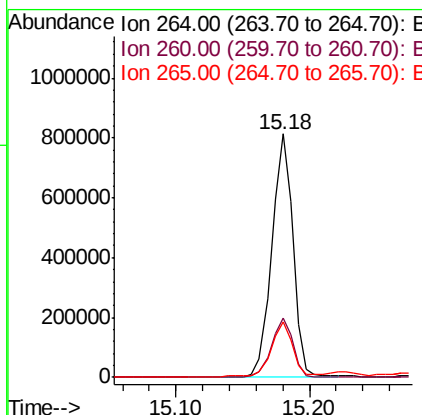
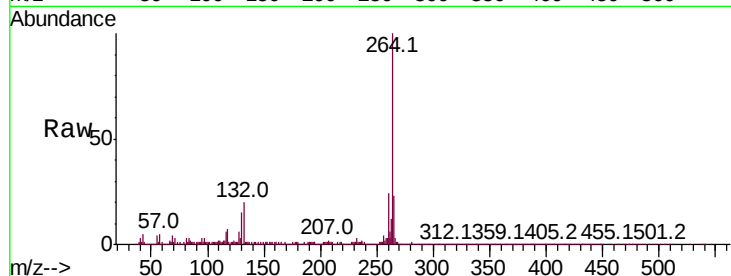




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

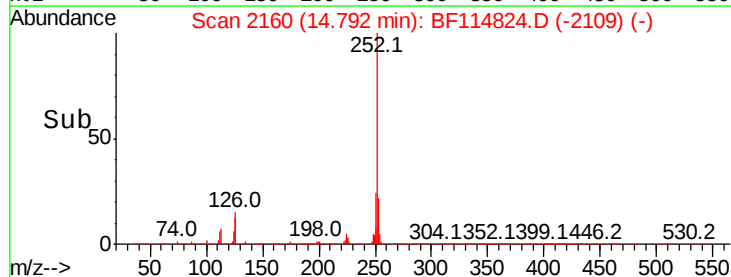
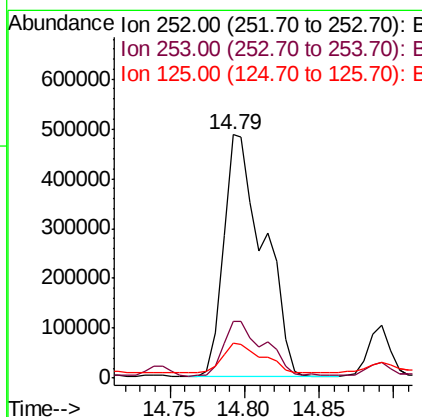
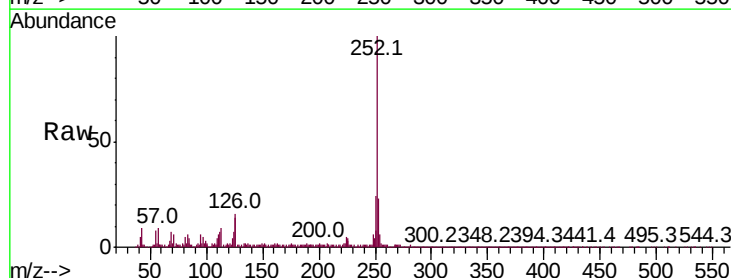
Instrument :
BNA_F
ClientSampleId :

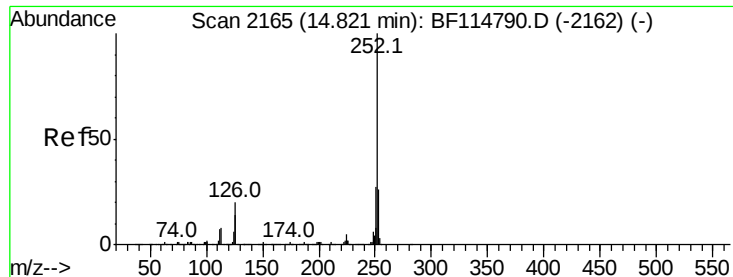
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	22.9	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 15.812 ng
RT: 14.79 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.0	28.6
125	14.1	9.4	14.0#

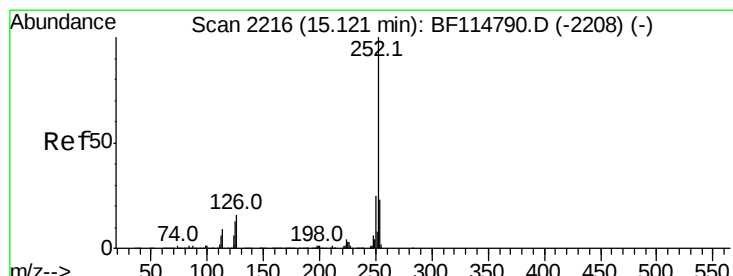
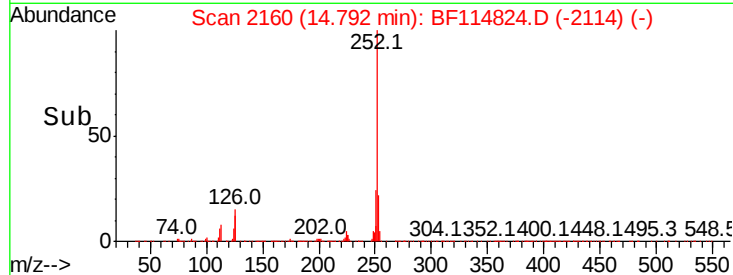
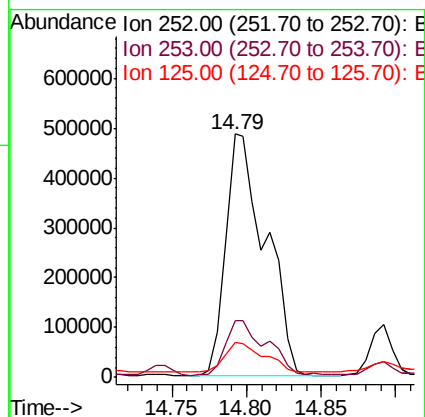
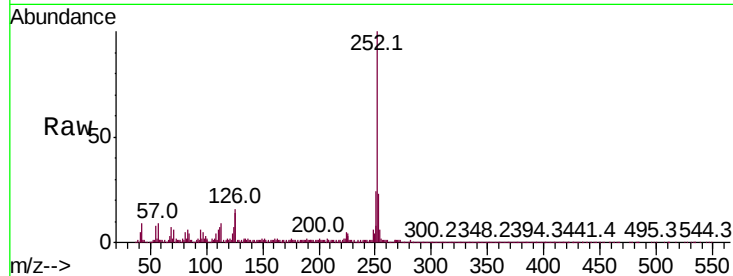




#89
Benzo(k)fluoranthene
Concen: 18.620 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.03 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

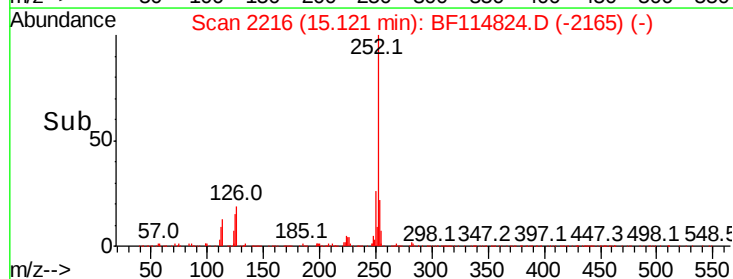
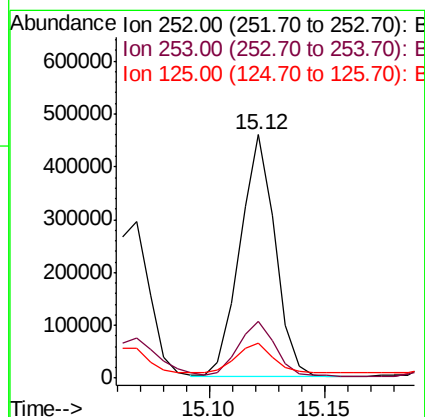
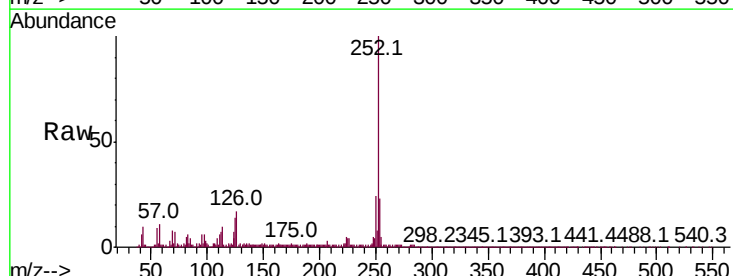
Instrument :
BNA_F
ClientSampleId :

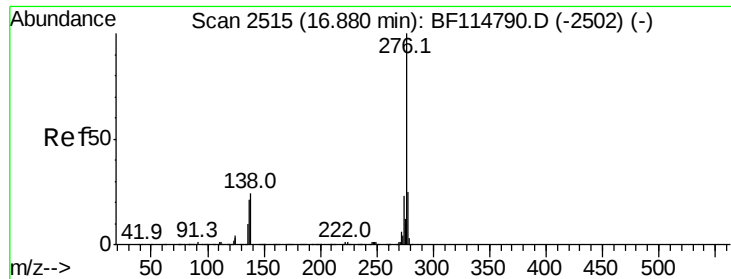
Tot Ion:252 Resp: 905746
Ion Ratio Lower Upper
252 100
253 23.1 19.3 28.9
125 14.1 10.1 15.1



#90
Benzo(a)pyrene
Concen: 9.827 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF114824.D
Acq: 5 Jun 2019 18:09

Tgt Ion:252 Resp: 487223
Ion Ratio Lower Upper
252 100
253 23.3 18.5 27.7
125 14.5 10.1 15.1





#92
 Benzo(a,h,i)perylene
 Concen: 6.395 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. 0.00 min
 Lab File: BF114824.D
 Acq: 5 Jun 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.8	29.6
138	25.3	19.4	29.2

