

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114961.D
 Acq On : 11 Jun 2019 23:20
 Operator : HP/JU
 Sample : K3247-01RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 04:34:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	238626	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	918618	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	448190	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	835822	20.00	ng	0.00
76) Chrysene-d12	13.79	240	615228	20.00	ng	0.00
87) Perylene-d12	15.17	264	556195	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1241627	88.06	ng	0.00
7) Phenol-d6	6.30	99	1533820	90.19	ng	0.00
23) Nitrobenzene-d5	7.22	82	907536	60.70	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	404418	82.95	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	1770866	62.71	ng	0.00
79) Terphenyl-d14	12.74	244	1786600	57.75	ng	0.00

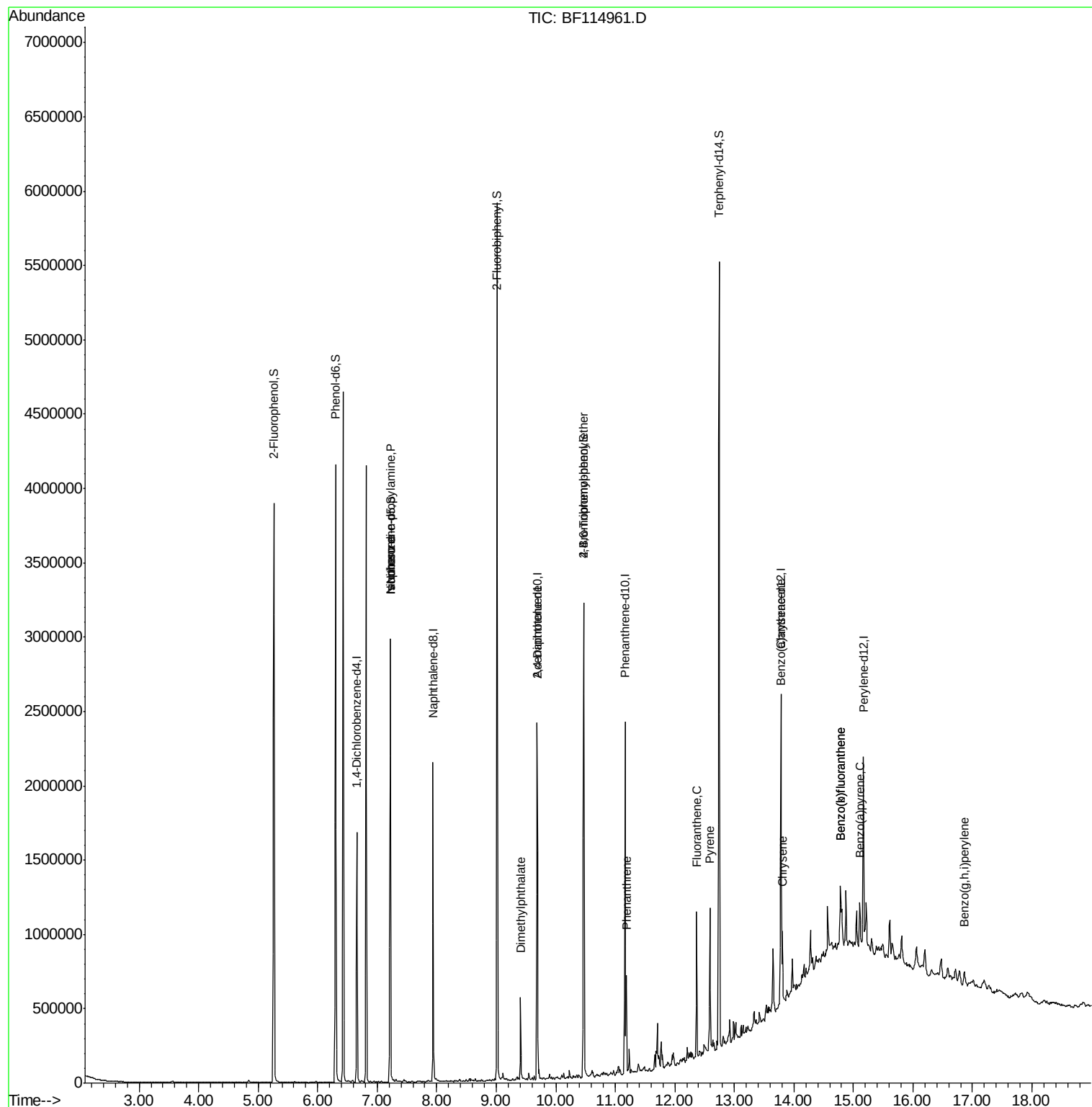
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	120251	11.307	ng	# 77
25) Isophorone	7.22	82	895188	30.576	ng	# 62
50) Dimethylphthalate	9.41	163	227833	6.763	ng	98
57) 2,4-Dinitrotoluene	9.69	165	58470	5.979	ng	# 27
67) 4-Bromophenyl-phenylether	10.47	248	26368	2.912	ng	# 1
71) Phenanthrene	11.19	178	253372	6.248	ng	95
75) Fluoranthene	12.36	202	404937	9.654	ng	96
78) Pyrene	12.59	202	374655	6.992	ng	97
81) Benzo(a)anthracene	13.77	228	193072	4.244	ng	97
83) Chrysene	13.81	228	175484	3.841	ng	97
88) Benzo(b)fluoranthene	14.78	252	273764	7.560	ng	# 91
89) Benzo(k)fluoranthene	14.78	252	273764	8.712	ng	# 91
90) Benzo(a)pyrene	15.11	252	134514	4.277	ng	# 94
92) Benzo(a,h,i)perylene	16.86	276	70046	2.645	ng	# 91

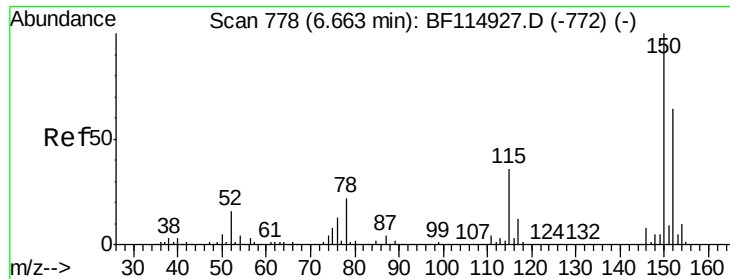
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
Data File : BF114961.D
Acq On : 11 Jun 2019 23:20
Operator : HP/JU
Sample : K3247-01RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 12 04:34:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 16:44:00 2019
Response via : Initial Calibration



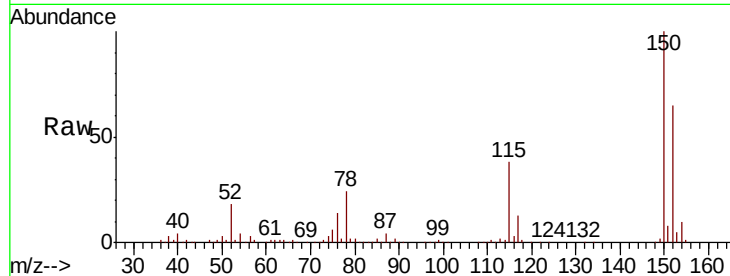


#1

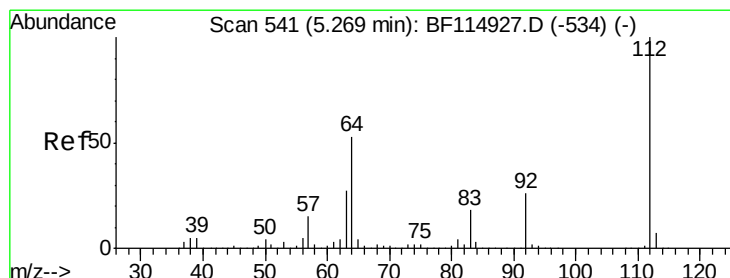
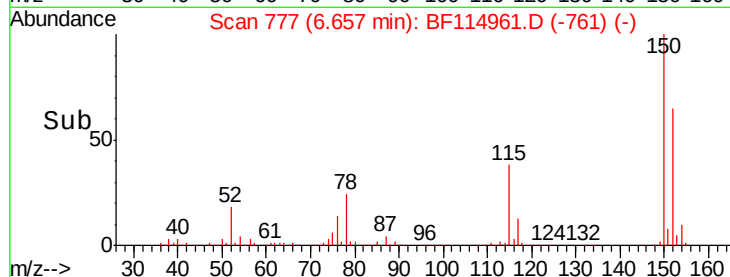
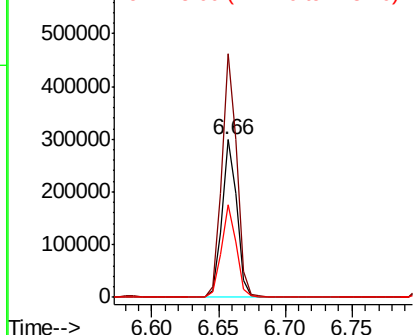
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114961.D
Acq: 11 Jun 2019 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 238626
Ion Ratio Lower Upper
152 100
150 154.7 125.2 187.8
115 59.2 45.0 67.4



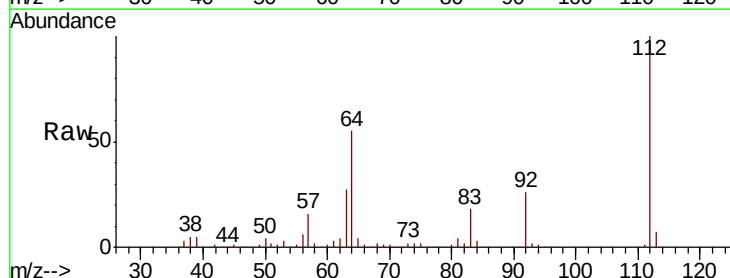
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



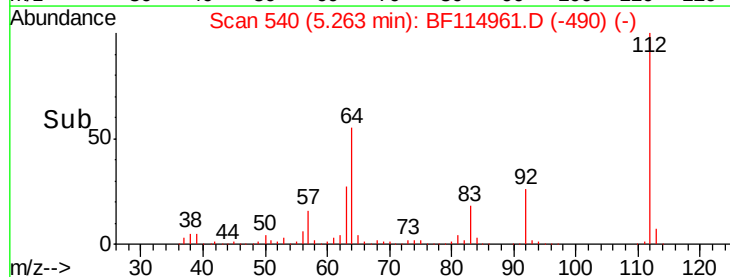
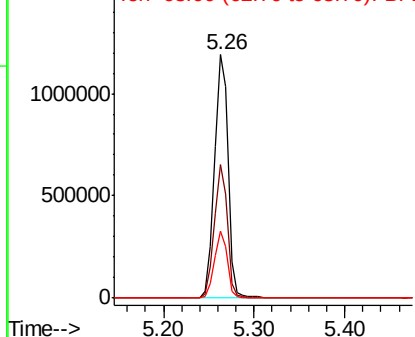
#5

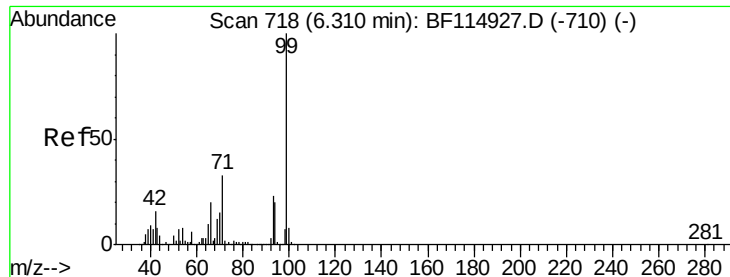
2-Fluorophenol
Concen: 88.060 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF114961.D
Acq: 11 Jun 2019 23:20

Tgt Ion:112 Resp: 1241627
Ion Ratio Lower Upper
112 100
64 54.8 42.1 63.1
63 27.5 21.8 32.8



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: 90.188 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114961.D

Acq: 11 Jun 2019 23:20

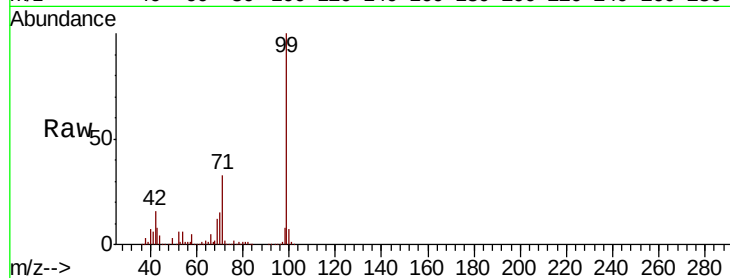
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1533820

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.1	19.7
71	33.1	26.8	40.2

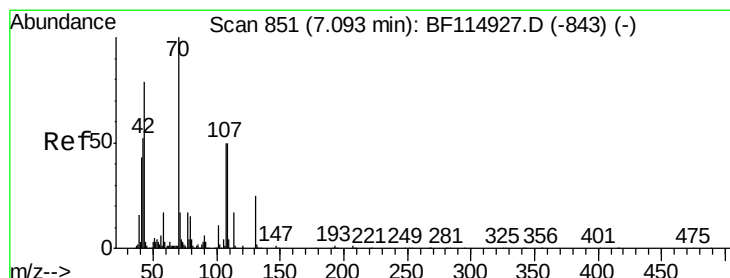
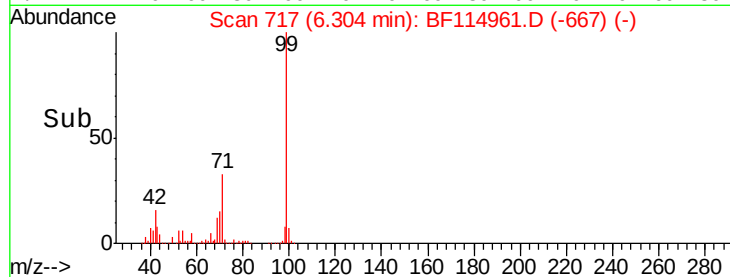


Abundance

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: 11.307 ng

RT: 7.22 min Scan# 873

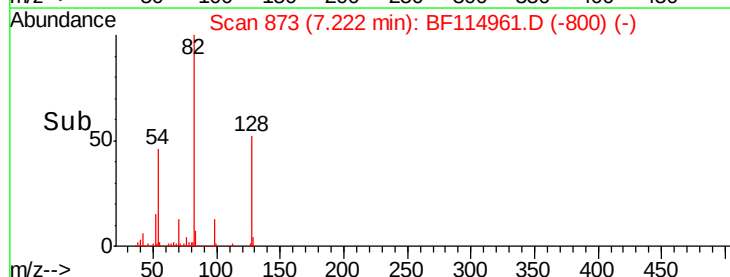
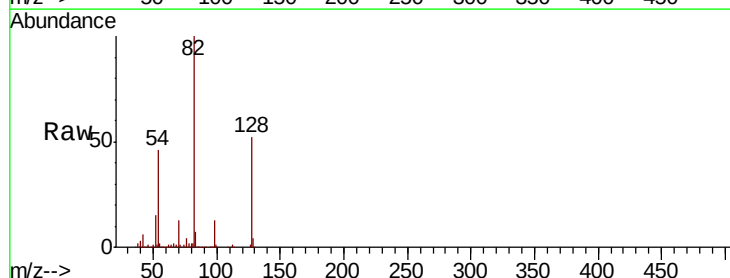
Delta R.T. 0.13 min

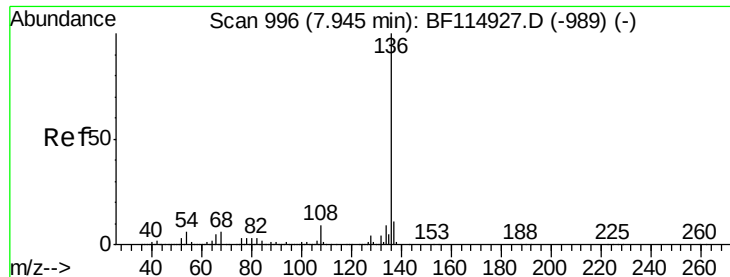
Lab File: BF114961.D

Acq: 11 Jun 2019 23:20

Tgt Ion: 70 Resp: 120251

Ion	Ratio	Lower	Upper
70	100		
42	43.4	41.7	62.5
101	0.0	8.4	12.6#
130	2.7	19.9	29.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF114961.D

Acq: 11 Jun 2019 23:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 918618

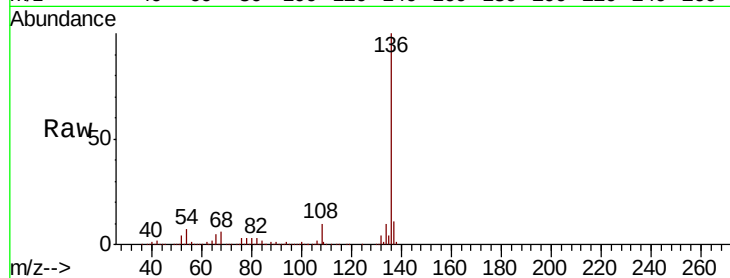
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 6.9 5.2 7.8

68 6.1 4.6 7.0

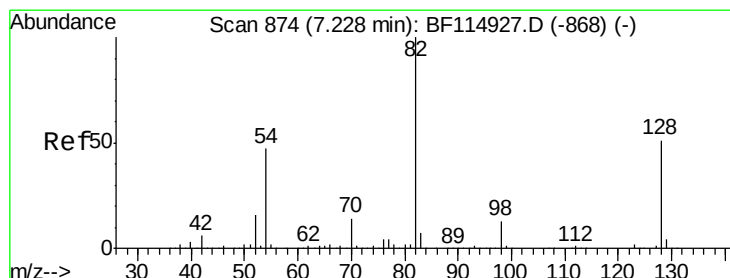
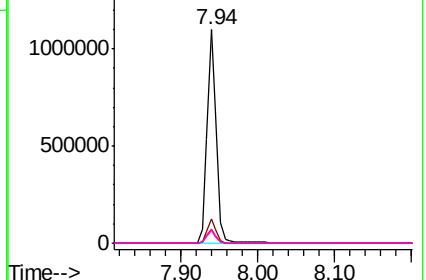
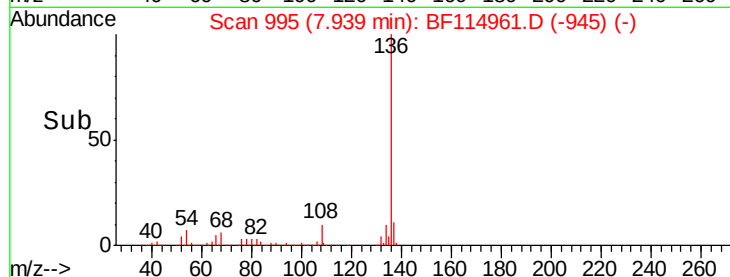


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.701 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF114961.D

Acq: 11 Jun 2019 23:20

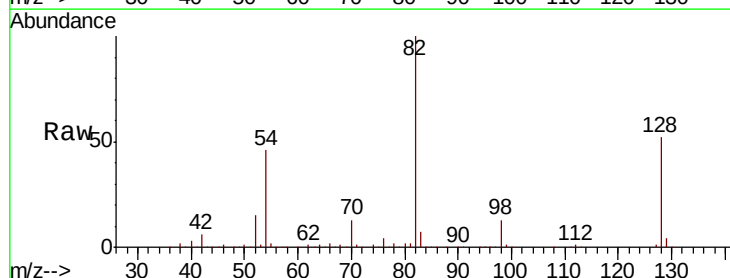
Tgt Ion: 82 Resp: 907536

Ion Ratio Lower Upper

82 100

128 51.9 40.9 61.3

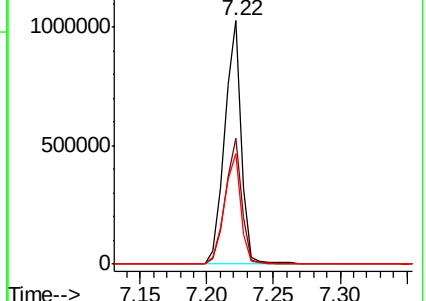
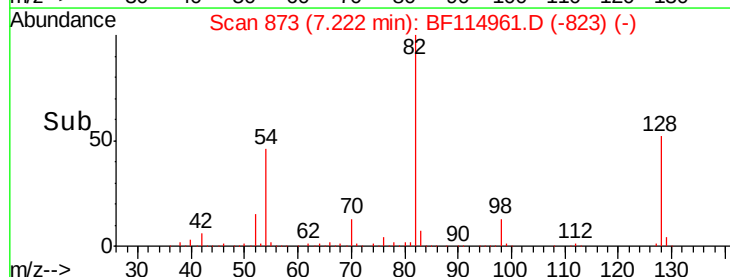
54 45.5 37.4 56.0

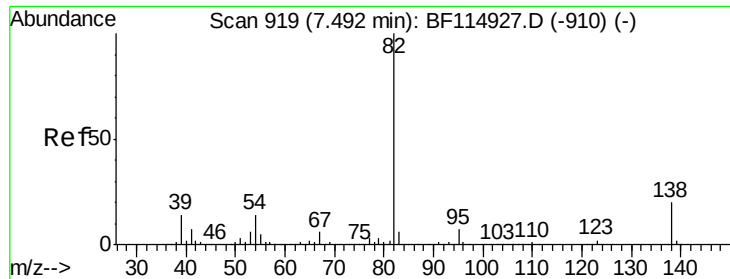


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.576 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.27 min

Lab File: BF114961.D

Acq: 11 Jun 2019 23:20

Instrument :

BNA_F

ClientSampleId :

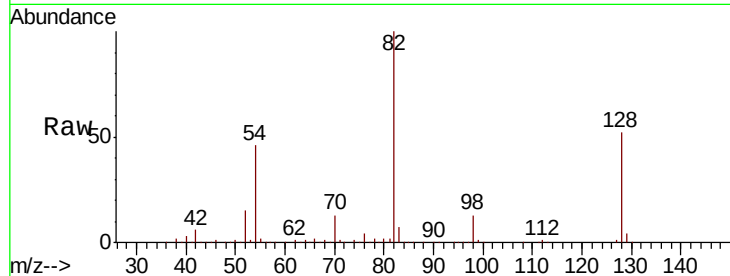
Tot Ion: 82 Resp: 895188

Ion Ratio Lower Upper

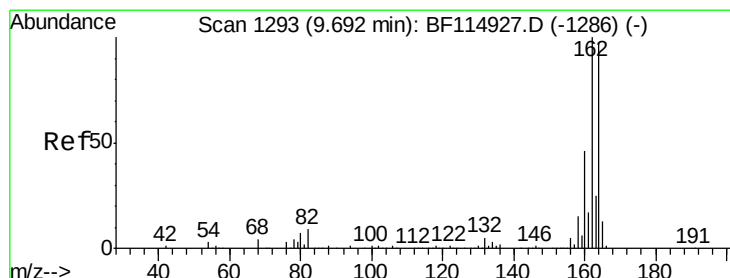
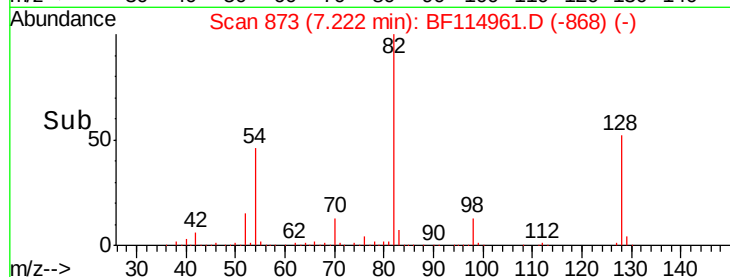
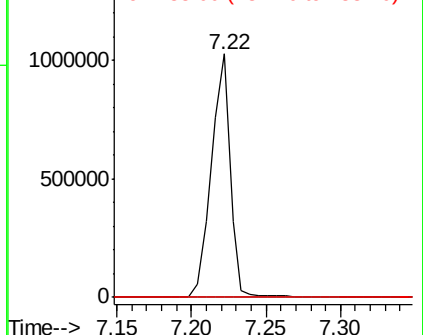
82 100

95 0.0 5.7 8.5#

138 0.0 16.4 24.6#



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: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF114961.D

Acq: 11 Jun 2019 23:20

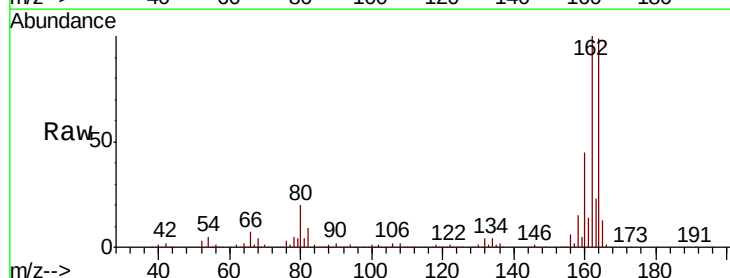
Tgt Ion: 164 Resp: 448190

Ion Ratio Lower Upper

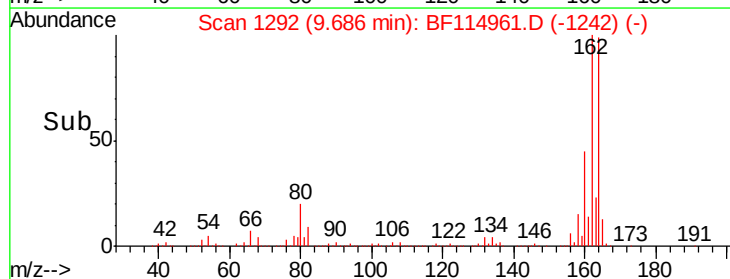
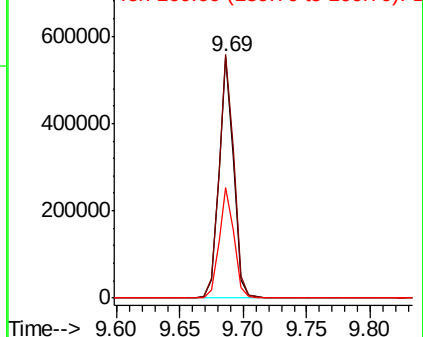
164 100

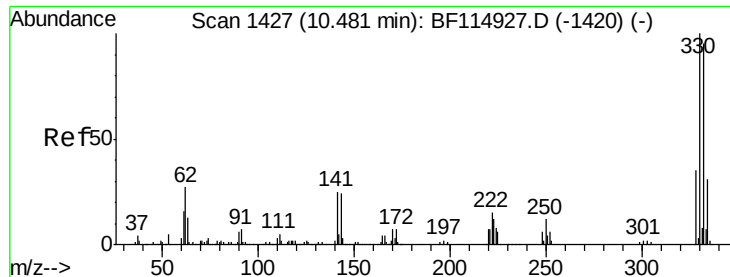
162 101.0 82.4 123.6

160 45.6 37.5 56.3



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

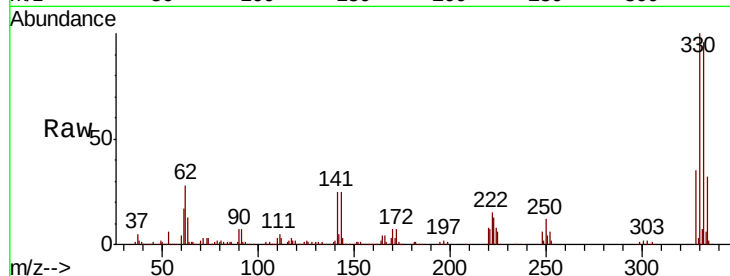




#42
 2,4,6-Tribromophenol
 Concen: 82.950 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF114961.D
 Acq: 11 Jun 2019 23:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	330	332	141
Resp:	404418		
Ion Ratio	100	95.8	34.4
Lower		76.4	26.8
Upper		114.6	40.2

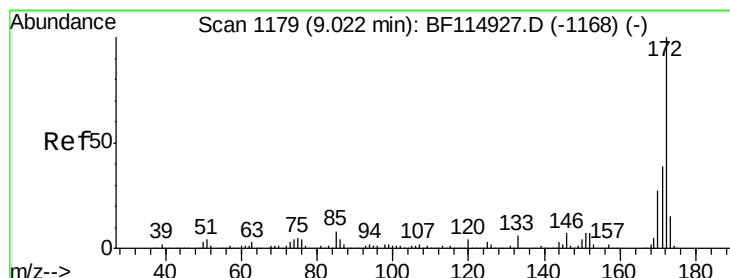
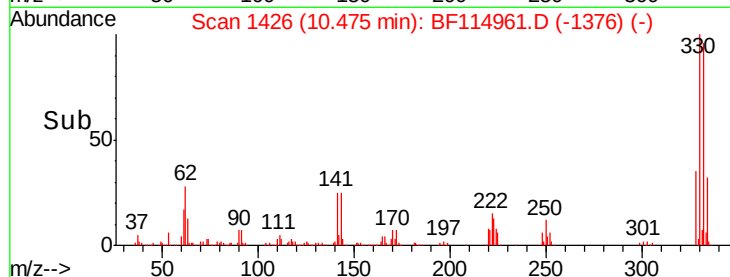
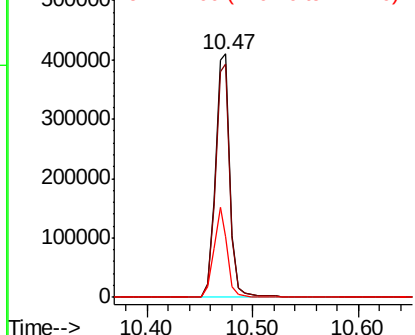


Abundance

Ion 329.80 (329.50 to 330.50): E

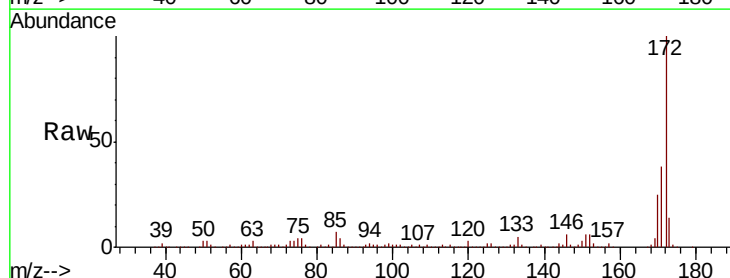
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.707 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF114961.D
 Acq: 11 Jun 2019 23:20

Tgt Ion	172	171	170
Resp:	1770866		
Ion Ratio	100	37.6	25.4
Lower		31.3	21.4
Upper		46.9	32.0

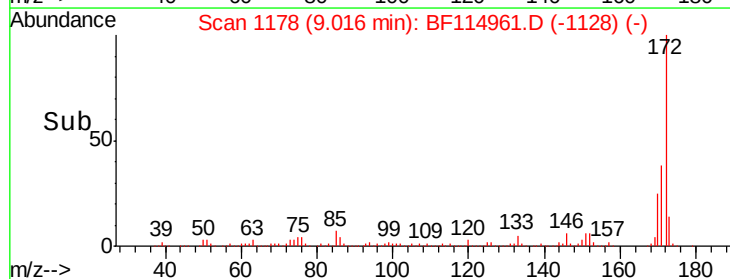
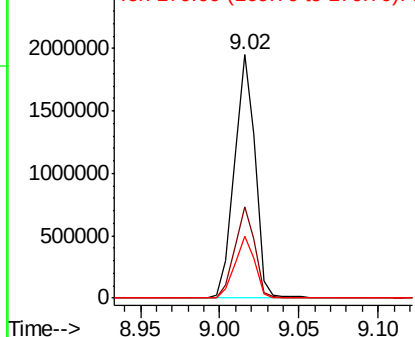


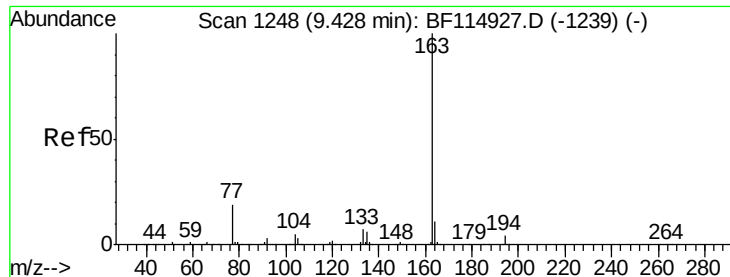
Abundance

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

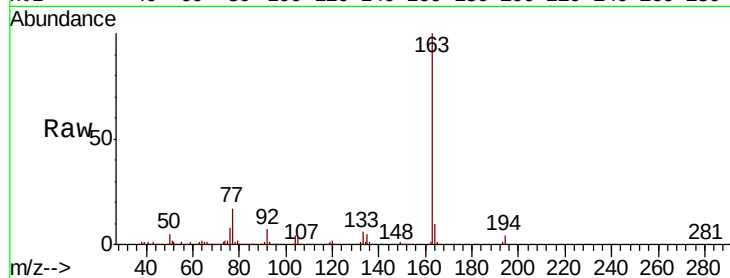




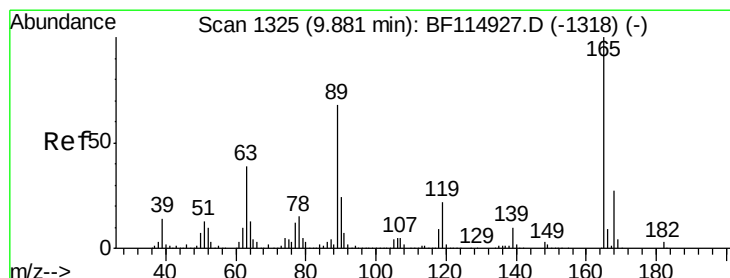
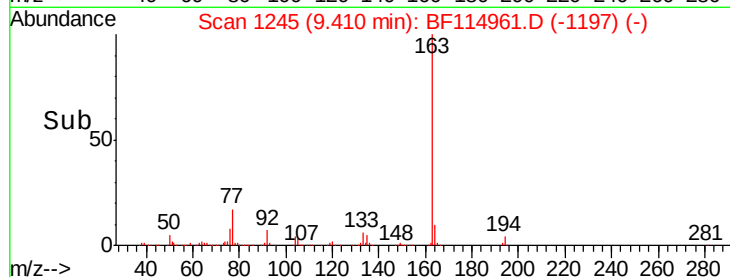
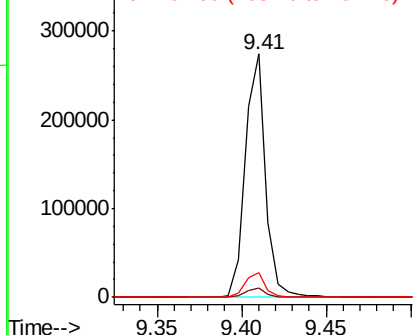
#50
Dimethylphthalate
Concen: 6.763 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF114961.D
Acq: 11 Jun 2019 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 227833
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.0 8.7 13.1

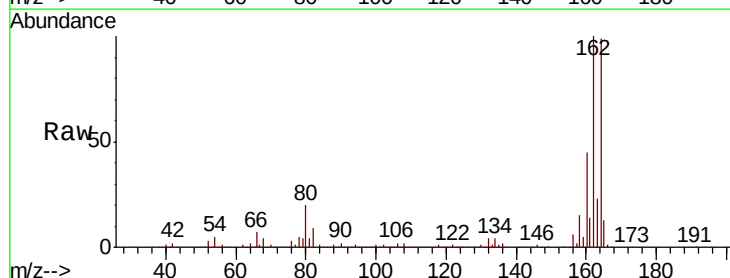


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

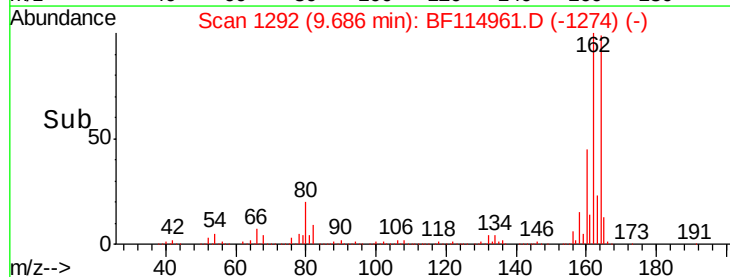
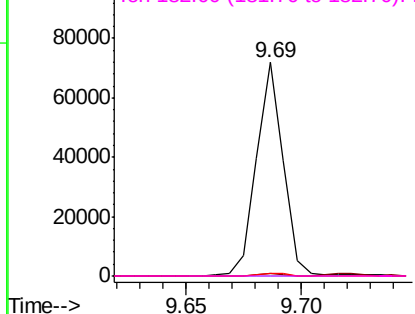


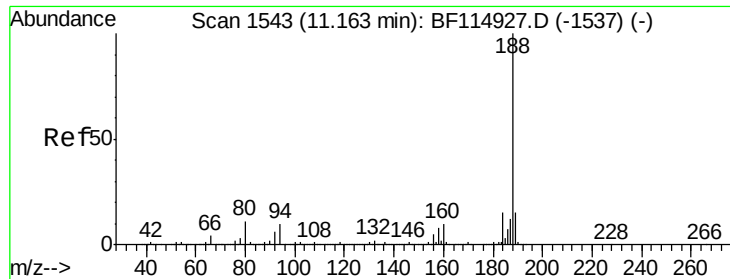
#57
2,4-Dinitrotoluene
Concen: 5.979 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.19 min
Lab File: BF114961.D
Acq: 11 Jun 2019 23:20

Tgt Ion:165 Resp: 58470
Ion Ratio Lower Upper
165 100
63 1.2 31.8 47.6#
89 1.4 54.2 81.2#
182 0.0 2.1 3.1#



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: 11.16 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BF114961.D

Acq: 11 Jun 2019 23:20

Instrument :

BNA_F

ClientSampleId :

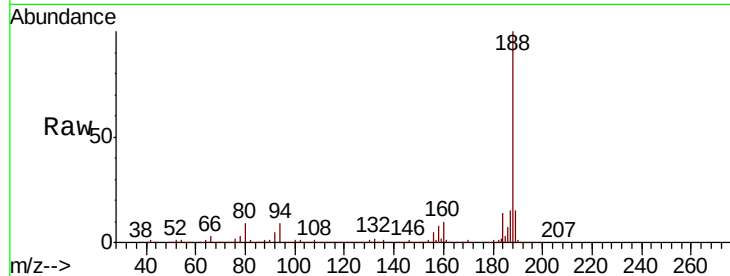
Tot Ion:188 Resp: 835822

Ion Ratio Lower Upper

188 100

94 9.3 8.1 12.1

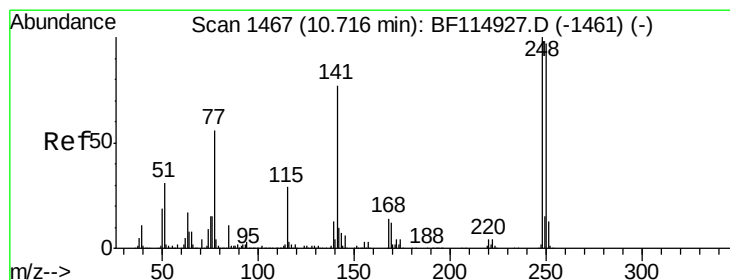
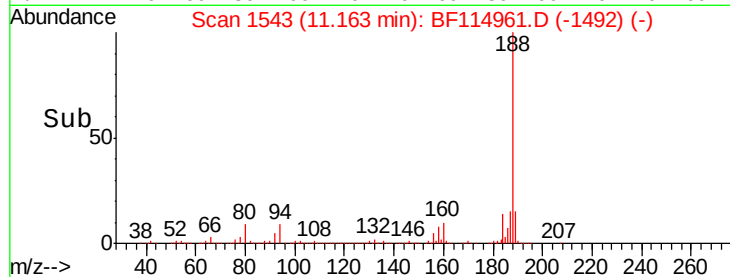
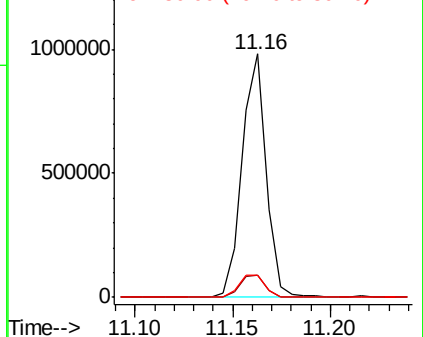
80 9.3 8.6 12.8



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



#67

4-Bromophenyl-phenylether

Concen: 2.912 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.25 min

Lab File: BF114961.D

Acq: 11 Jun 2019 23:20

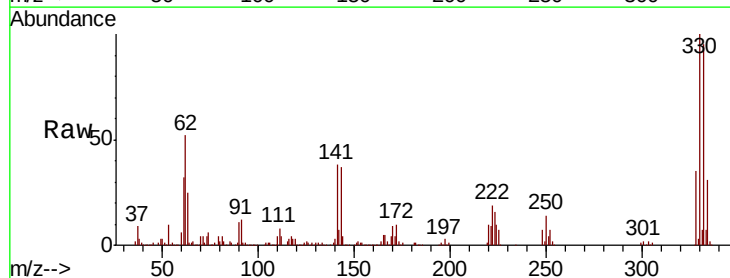
Tgt Ion:248 Resp: 26368

Ion Ratio Lower Upper

248 100

250 198.3 77.4 116.0#

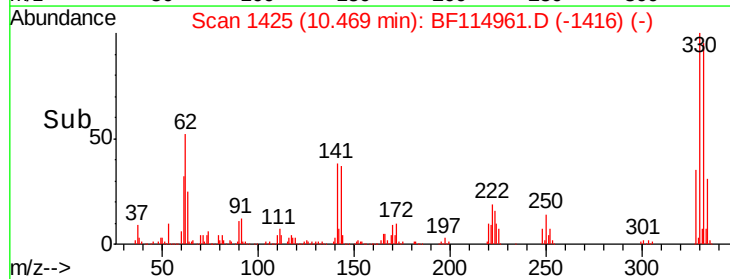
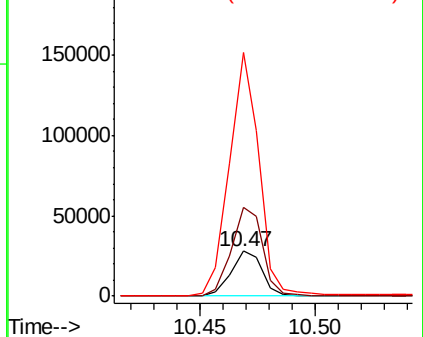
141 542.3 61.8 92.6#

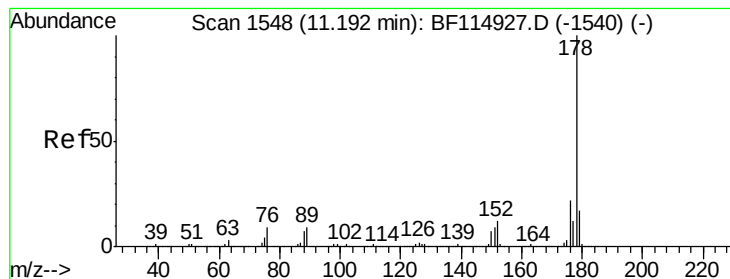


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 6.248 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF114961.D

Acq: 11 Jun 2019 23:20

Instrument :

BNA_F

ClientSampleId :

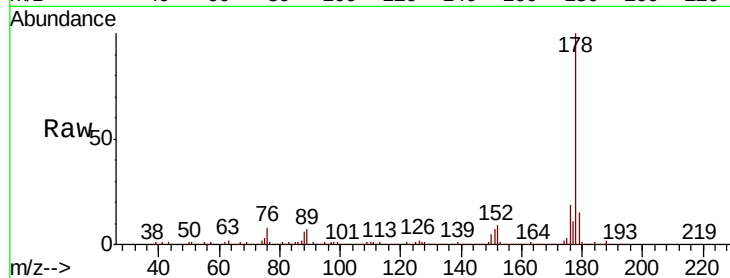
Tot Ion:178 Resp: 253372

Ion Ratio Lower Upper

178 100

176 18.9 17.4 26.2

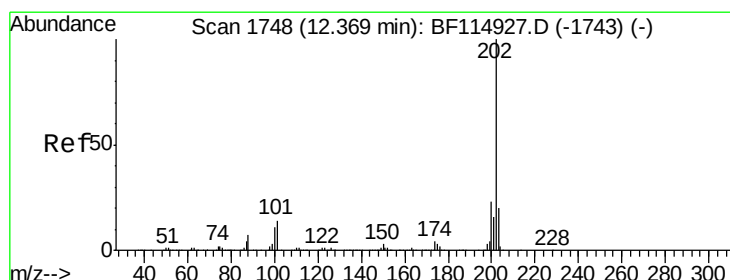
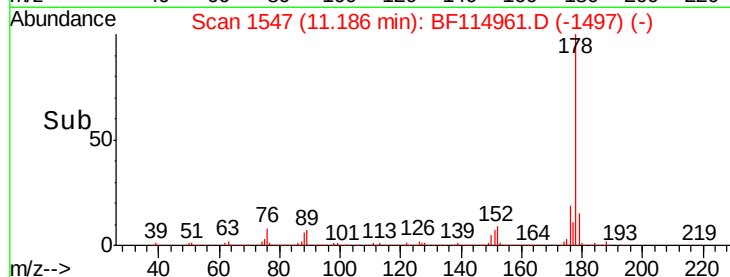
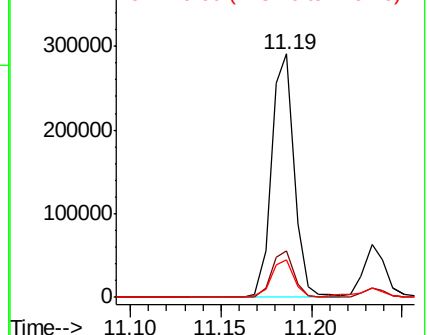
179 15.2 13.6 20.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 9.654 ng

RT: 12.36 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BF114961.D

Acq: 11 Jun 2019 23:20

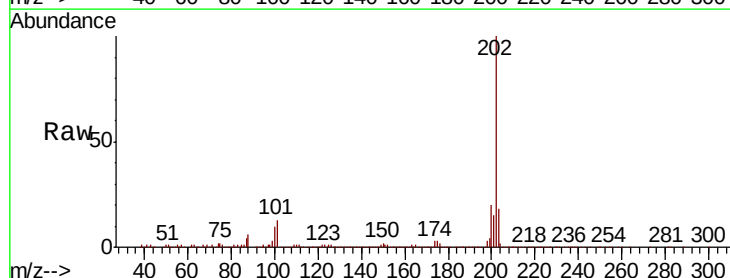
Tgt Ion:202 Resp: 404937

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.3

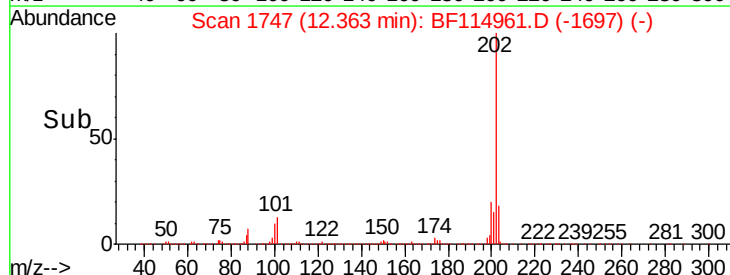
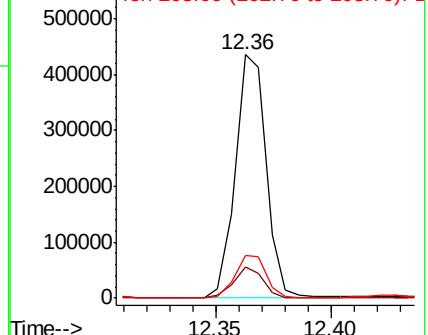
203 17.7 0.0 39.6

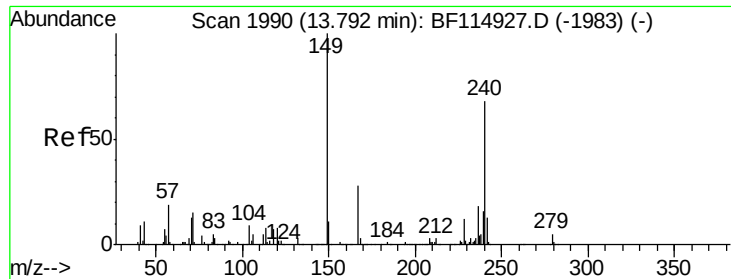


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

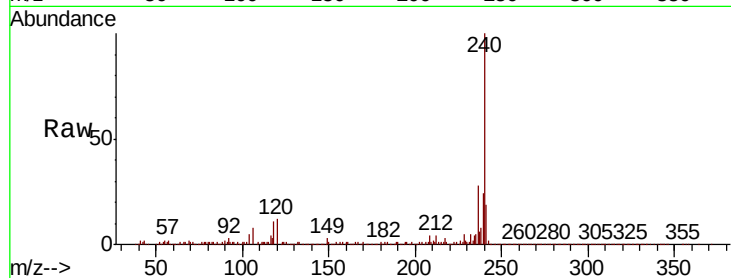




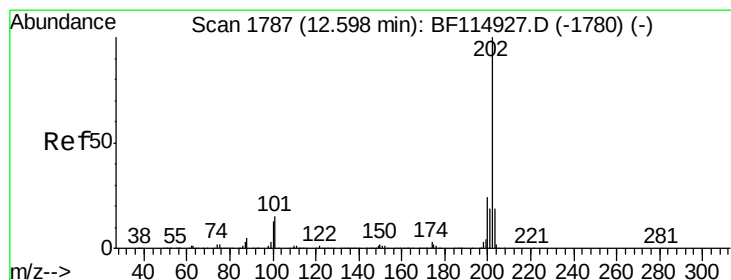
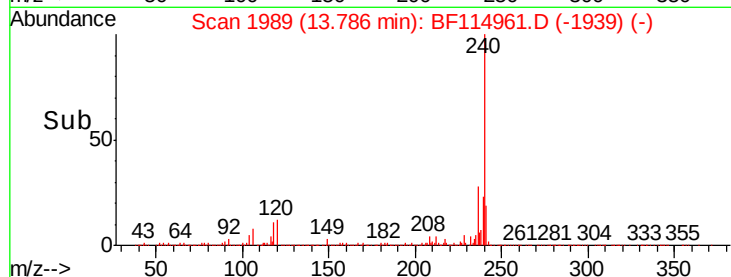
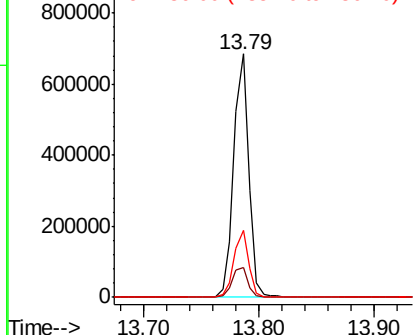
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114961.D
Acq: 11 Jun 2019 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 615228
Ion Ratio Lower Upper
240 100
120 12.3 9.2 13.8
236 27.7 21.7 32.5

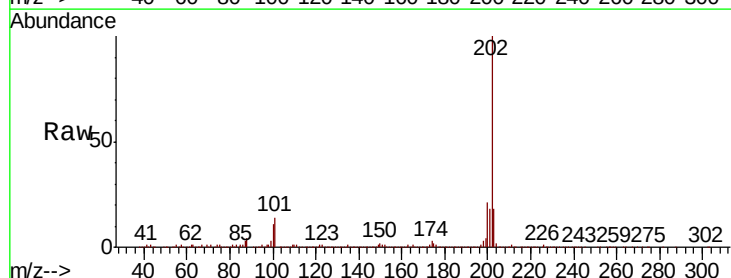


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

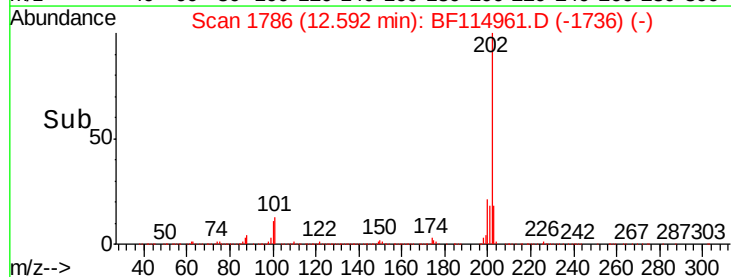
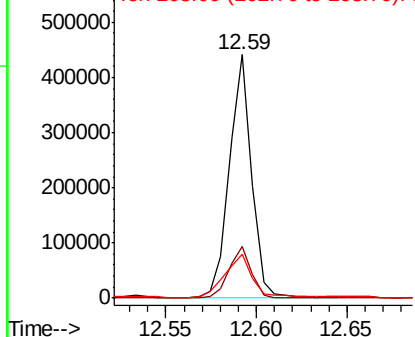


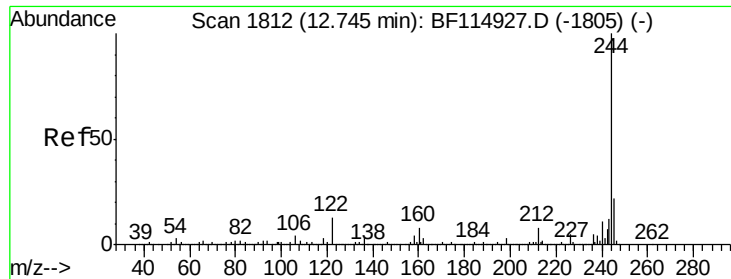
#78
Pyrene
Concen: 6.992 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114961.D
Acq: 11 Jun 2019 23:20

Tgt Ion:202 Resp: 374655
Ion Ratio Lower Upper
202 100
200 21.3 18.9 28.3
203 18.2 15.2 22.8



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

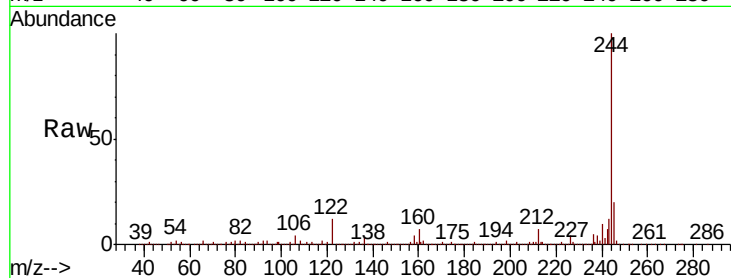




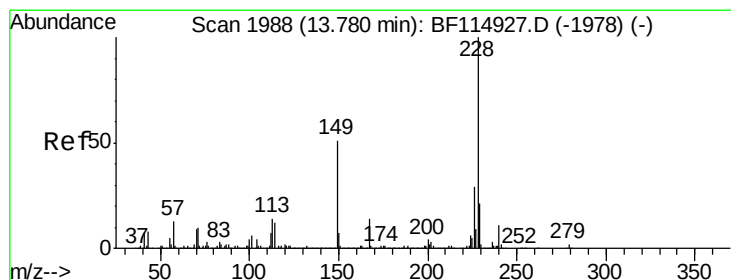
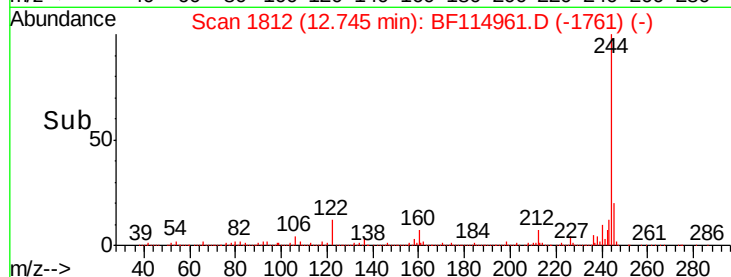
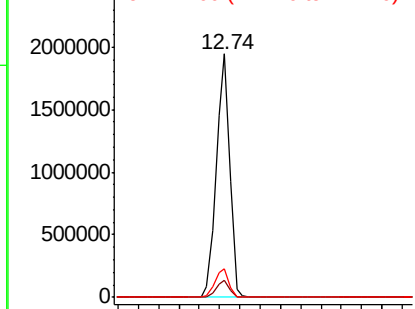
#79
 Terphenyl-d14
 Concen: 57.752 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BF114961.D
 Acq: 11 Jun 2019 23:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1786600
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.2
 122 11.8 10.2 15.4

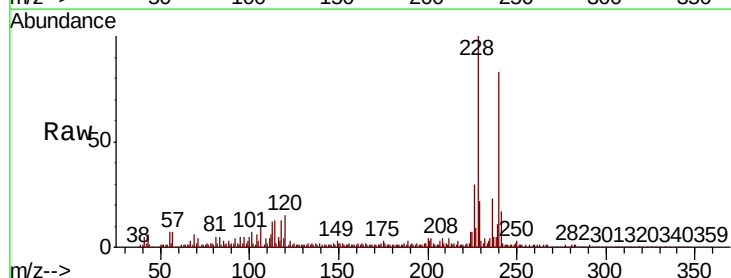


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

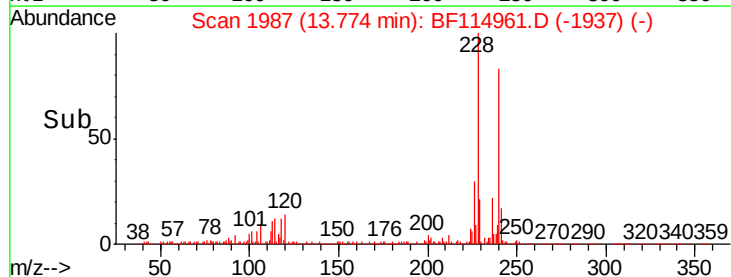
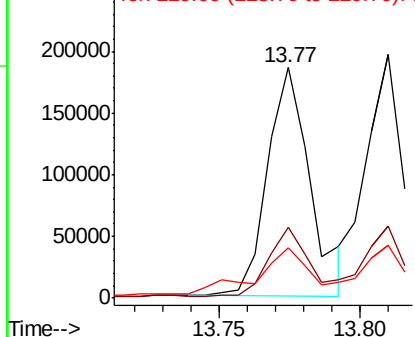


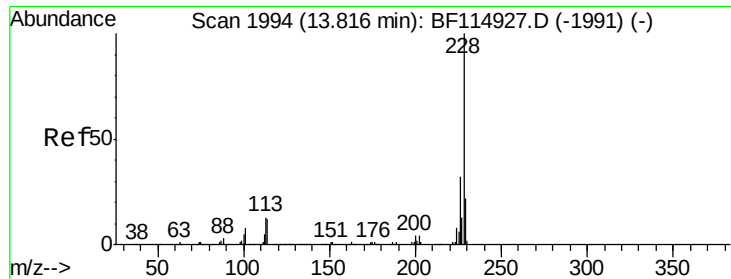
#81
 Benzo(a)anthracene
 Concen: 4.244 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: BF114961.D
 Acq: 11 Jun 2019 23:20

Tgt Ion:228 Resp: 193072
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.8 34.2
 229 21.8 16.6 25.0



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

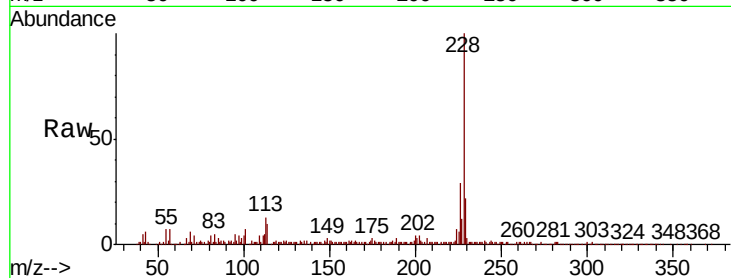




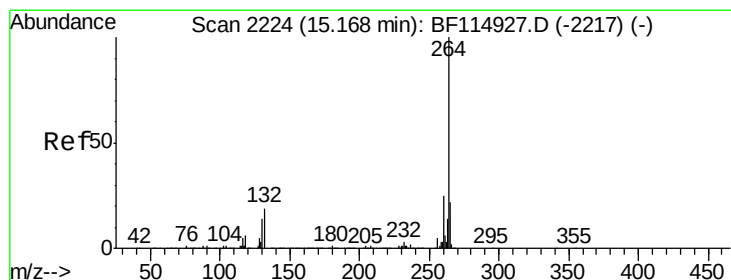
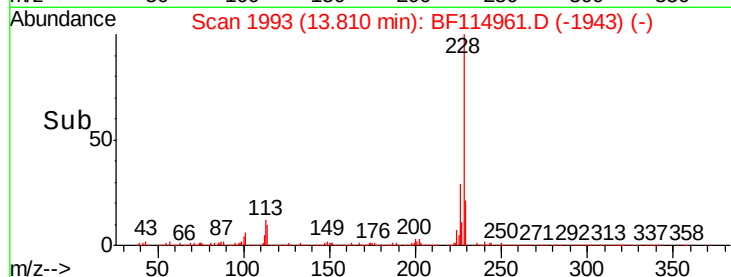
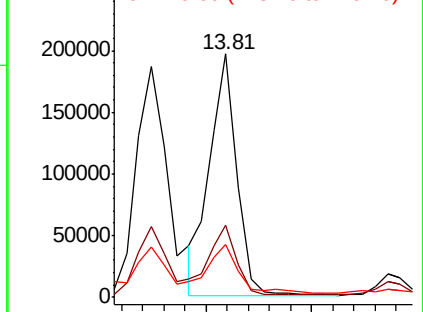
#83
Chrysene
Concen: 3.841 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114961.D
Acq: 11 Jun 2019 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 175484
Ion Ratio Lower Upper
228 100
226 29.5 25.8 38.8
229 22.0 17.2 25.8

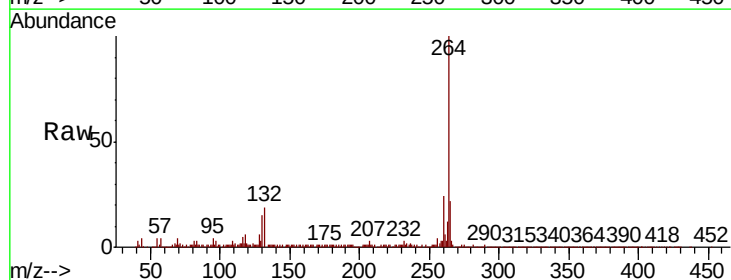


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

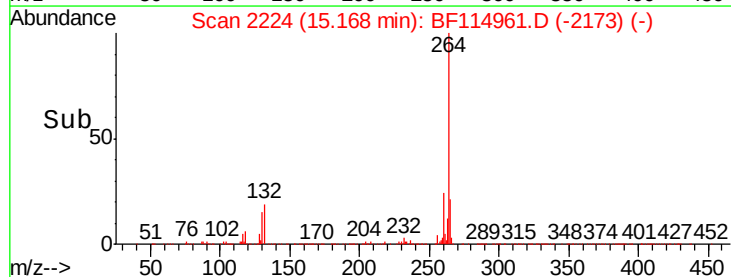
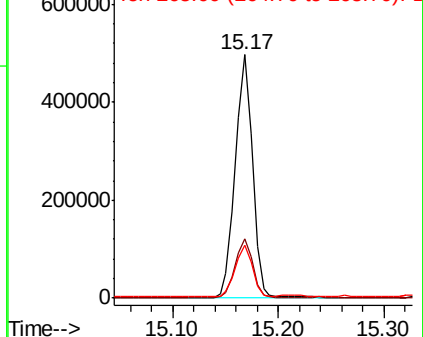


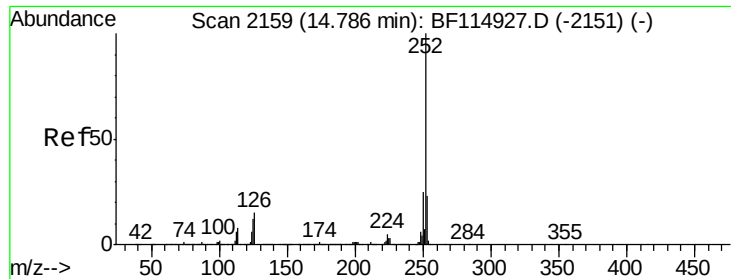
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF114961.D
Acq: 11 Jun 2019 23:20

Tgt Ion:264 Resp: 556195
Ion Ratio Lower Upper
264 100
260 24.4 19.7 29.5
265 21.6 17.5 26.3



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: 7.560 ng

RT: 14.78 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BF114961.D

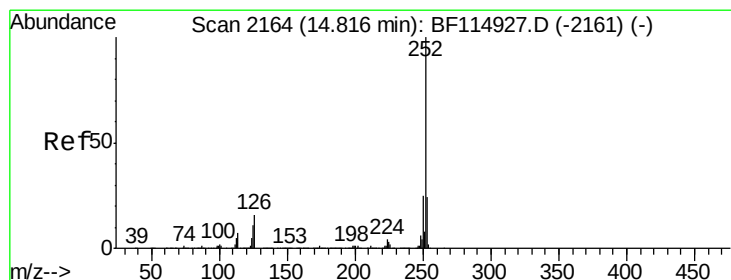
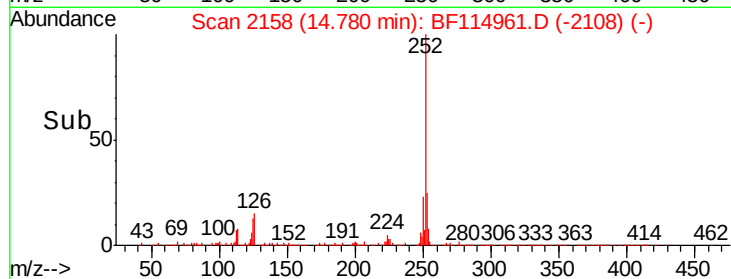
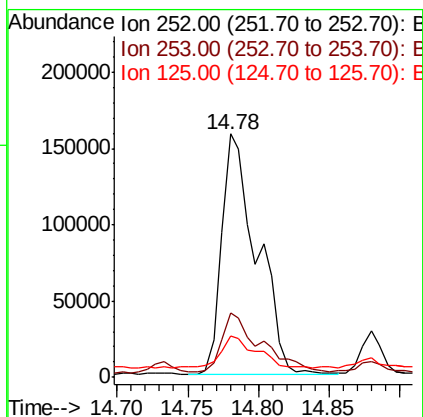
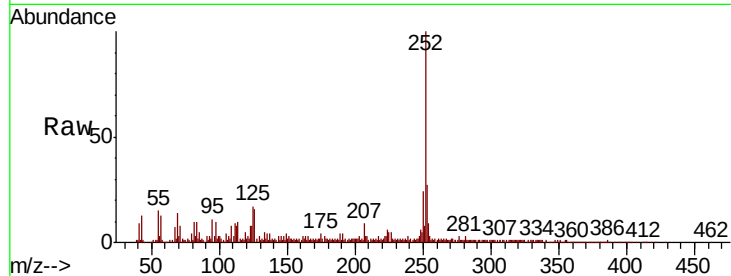
Acq: 11 Jun 2019 23:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	273764
Ion Ratio	Lower	Upper
252	100	
253	26.5	18.6 28.0
125	17.0	9.5 14.3#



#89

Benzo(k)fluoranthene

Concen: 8.712 ng

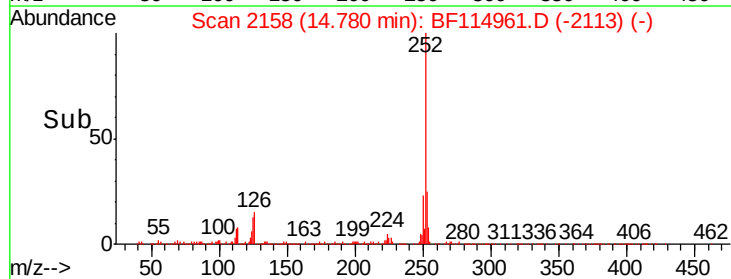
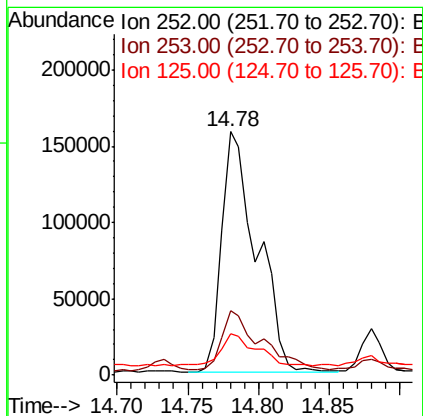
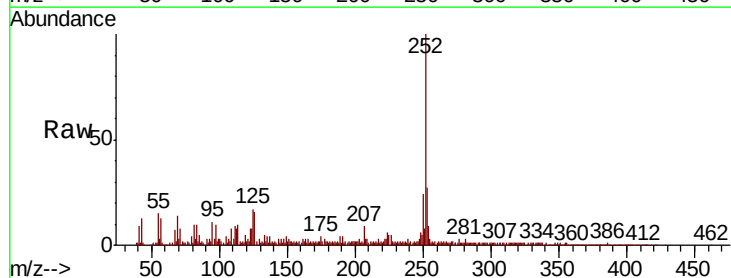
RT: 14.78 min Scan# 2158

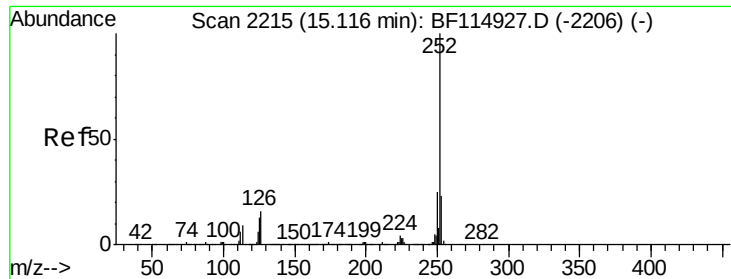
Delta R.T. -0.04 min

Lab File: BF114961.D

Acq: 11 Jun 2019 23:20

Tgt Ion:252	Resp:	273764
Ion Ratio	Lower	Upper
252	100	
253	26.5	18.6 28.0
125	17.0	9.2 13.8#

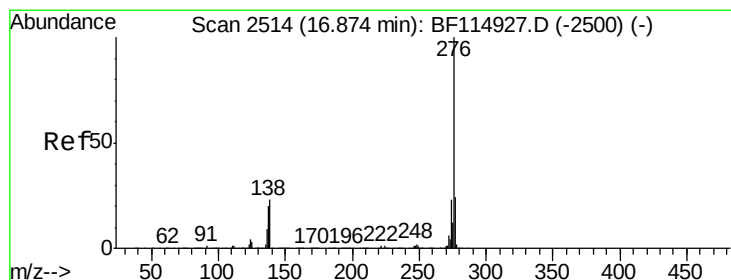
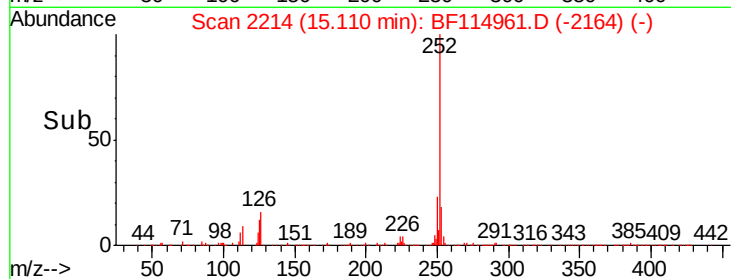
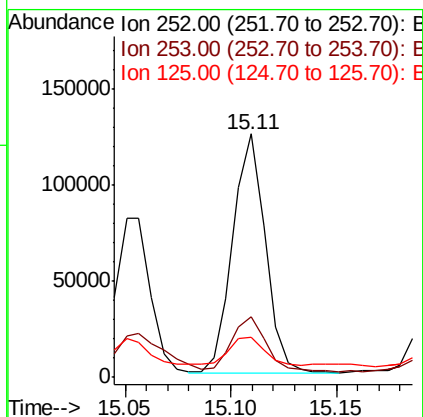
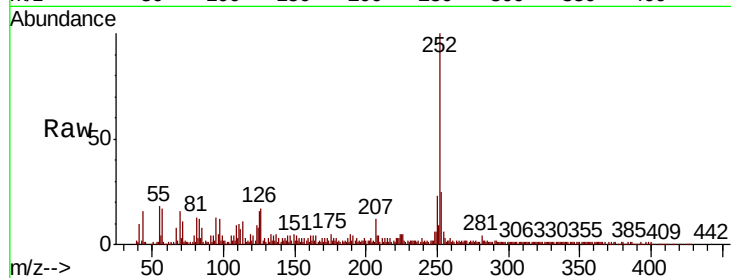




#90
Benzo(a)pyrene
Concen: 4.277 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114961.D
Acq: 11 Jun 2019 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	16.5	10.1	15.1#



#92
Benzo(g,h,i)perylene
Concen: 2.645 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BF114961.D
Acq: 11 Jun 2019 23:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.0	28.6
138	29.3	18.7	28.1#

