

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114832.D
 Acq On : 5 Jun 2019 21:41
 Operator : HP/JU
 Sample : K3183-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:02:41 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	350278	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1354421	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	692354	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1350860	20.00	ng	0.00
76) Chrysene-d12	13.79	240	879418	20.00	ng	0.00
87) Perylene-d12	15.17	264	951650	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1954251	97.49	ng	0.01
7) Phenol-d6	6.30	99	2396383	98.24	ng	0.00
23) Nitrobenzene-d5	7.23	82	1483907	67.44	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	737073	98.79	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2588915	70.05	ng	0.00
79) Terphenyl-d14	12.75	244	2750939	60.83	ng	0.00

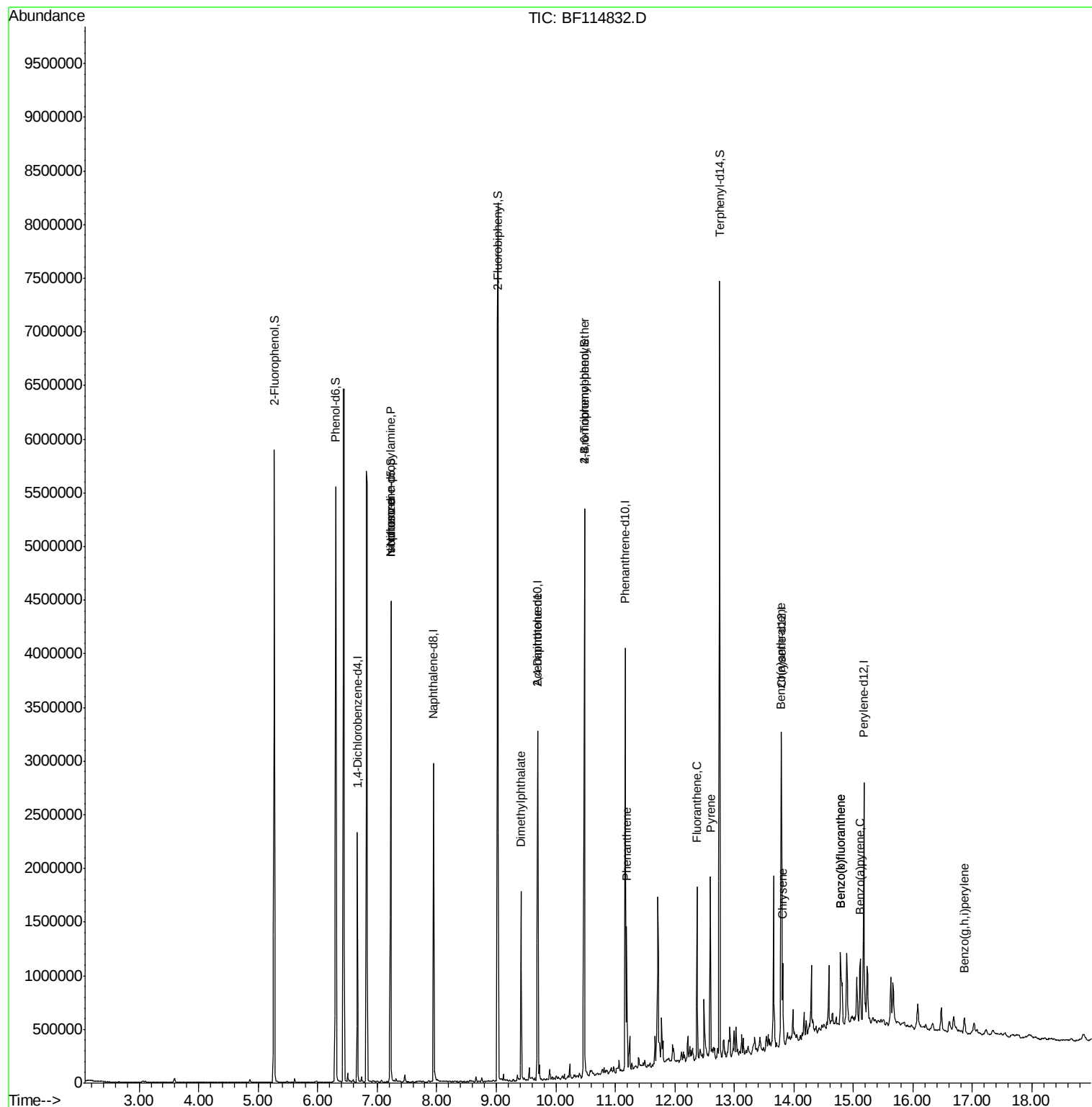
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	198657	12.303	ng	# 78
25) Isophorone	7.23	82	1470550	33.808	ng	# 61
50) Dimethylphthalate	9.42	163	670101	13.252	ng	98
57) 2,4-Dinitrotoluene	9.69	165	93323	6.242	ng	# 32
58) Fluorene	10.23	166	40526	Below	Cal	98
67) 4-Bromophenyl-phenylether	10.48	248	47169	3.074	ng	# 1
71) Phenanthrene	11.19	178	451736	7.005	ng	94
75) Fluoranthene	12.37	202	673380	10.032	ng	95
78) Pyrene	12.60	202	655319	8.590	ng	95
81) Benzo(a)anthracene	13.78	228	285953	4.220	ng	98
83) Chrysene	13.82	228	304041	4.612	ng	96
88) Benzo(b)fluoranthene	14.79	252	480153	7.925	ng	# 97
89) Benzo(k)fluoranthene	14.79	252	480153	9.333	ng	97
90) Benzo(a)pyrene	15.12	252	260057	4.959	ng	100
92) Benzo(a,h,i)perylene	16.87	276	113990	2.283	ng	98

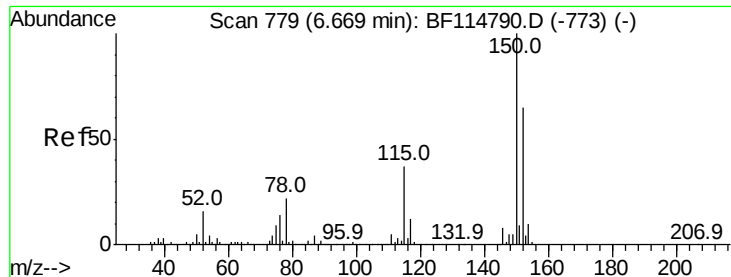
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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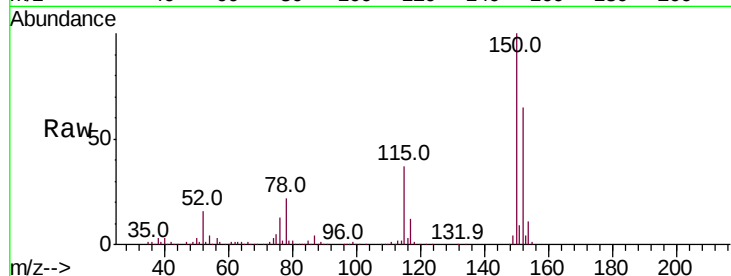


#1

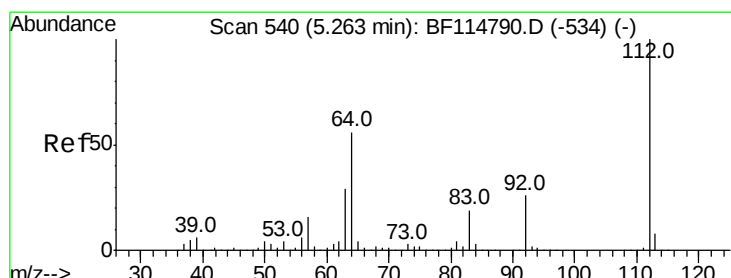
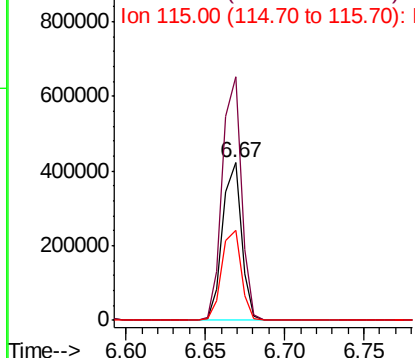
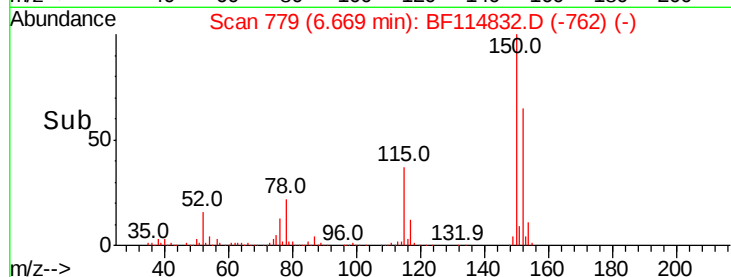
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114832.D
Acq: 5 Jun 2019 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 350278
Ion Ratio Lower Upper
152 100
150 154.5 124.0 186.0
115 56.8 46.3 69.5



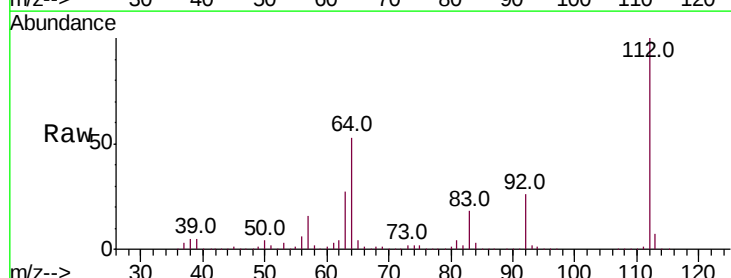
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



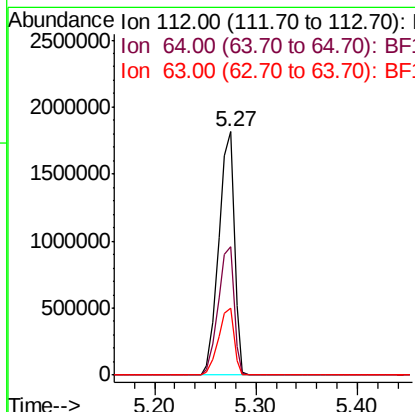
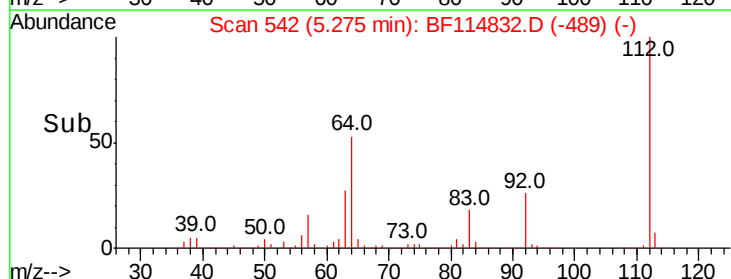
#5

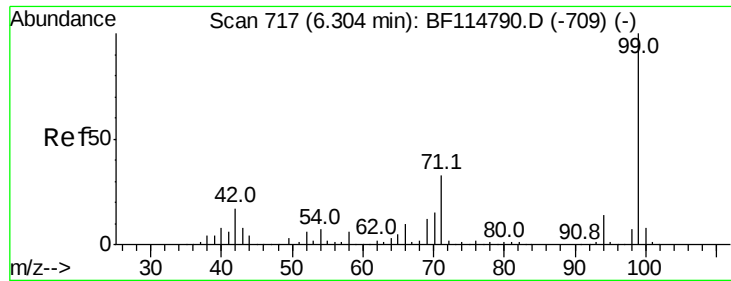
2-Fluorophenol
Concen: 97.487 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114832.D
Acq: 5 Jun 2019 21:41

Tgt Ion:112 Resp: 1954251
Ion Ratio Lower Upper
112 100
64 52.8 44.6 66.8
63 27.4 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: 98.244 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

Instrument :

BNA_F

ClientSampled :

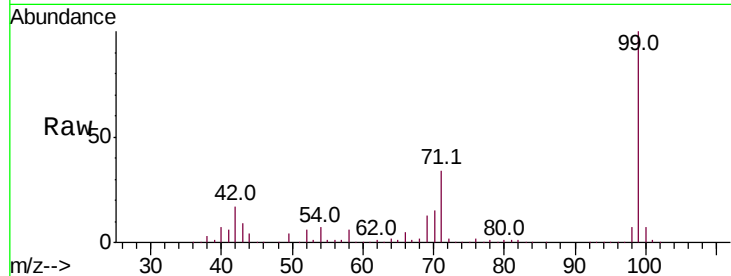
Tot Ion: 99 Resp: 2396383

Ion Ratio Lower Upper

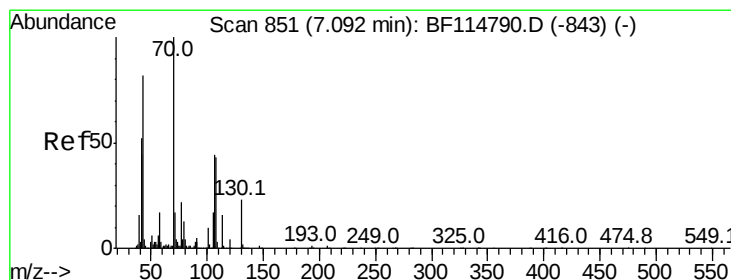
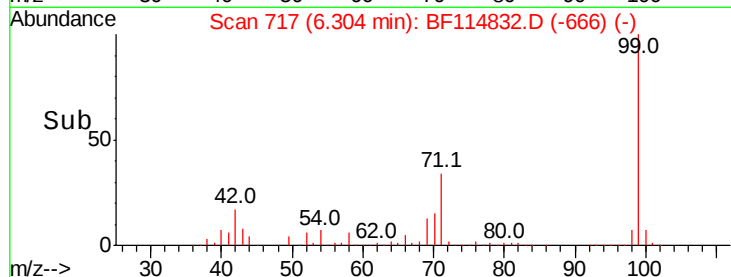
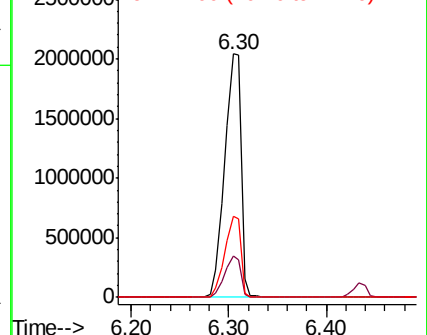
99 100

42 17.2 13.3 19.9

71 33.5 26.3 39.5



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: 12.303 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

Tgt Ion: 70 Resp: 198657

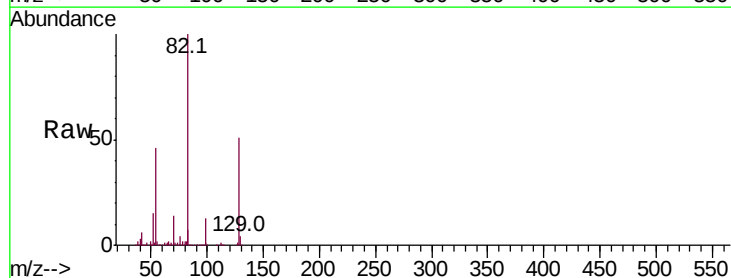
Ion Ratio Lower Upper

70 100

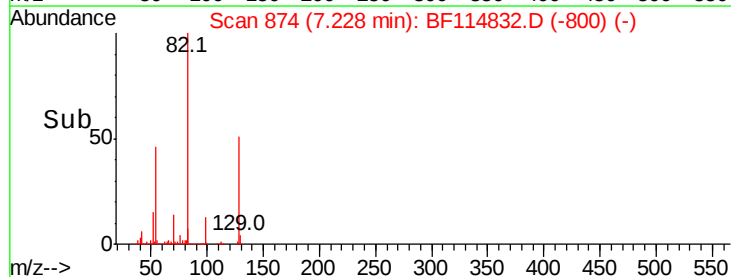
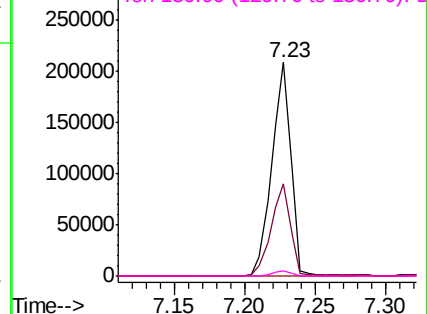
42 43.4 41.8 62.8

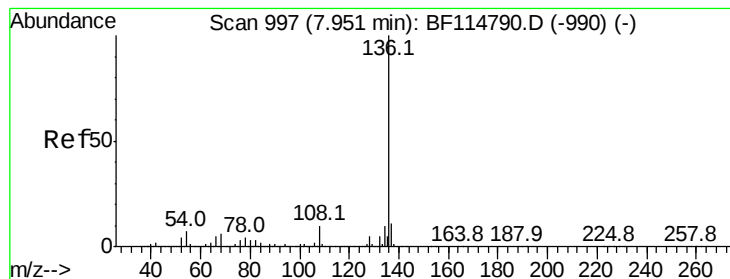
101 0.0 8.2 12.4#

130 2.4 18.5 27.7#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1354421

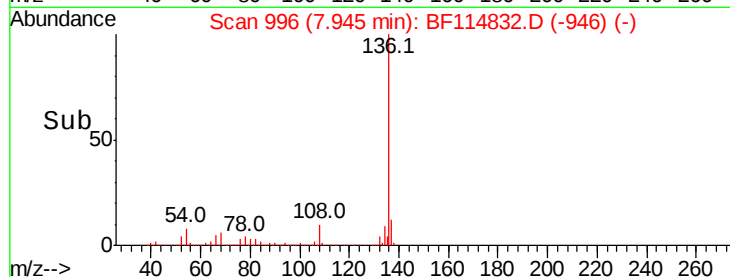
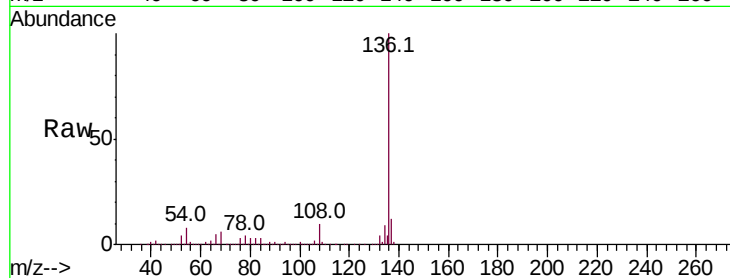
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	7.5	5.4	8.0
68	6.4	4.6	6.8

136 100

137 11.7 9.1 13.7

54 7.5 5.4 8.0

68 6.4 4.6 6.8

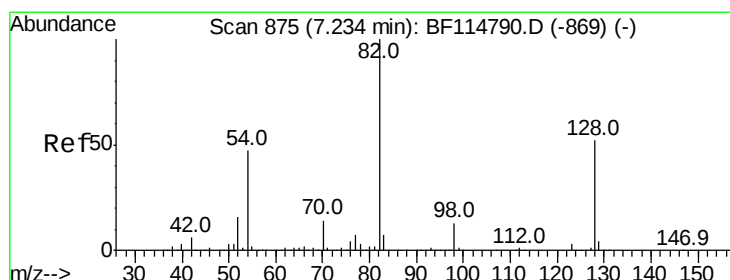
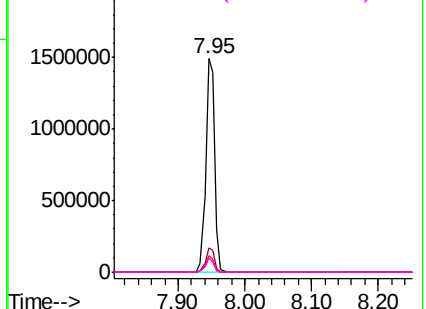


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.444 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

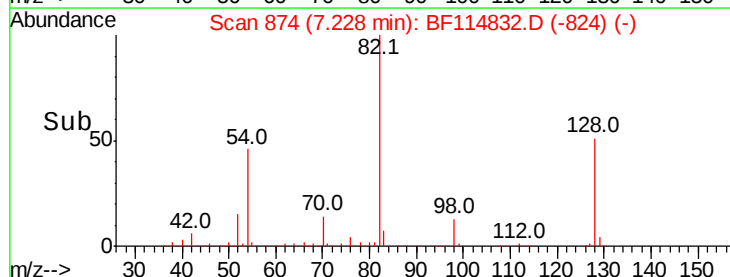
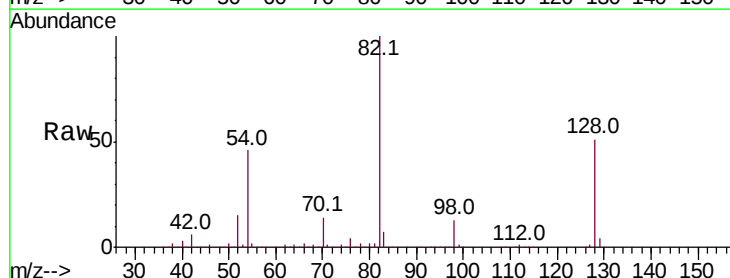
Tgt Ion: 82 Resp: 1483907

Ion	Ratio	Lower	Upper
82	100		
128	51.0	41.8	62.6
54	46.2	37.9	56.9

82 100

128 51.0 41.8 62.6

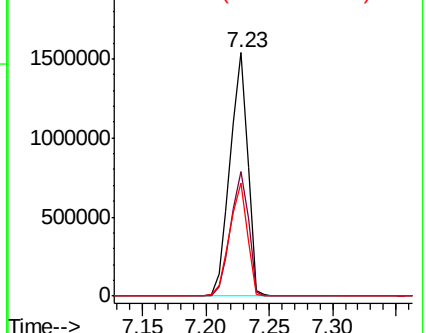
54 46.2 37.9 56.9

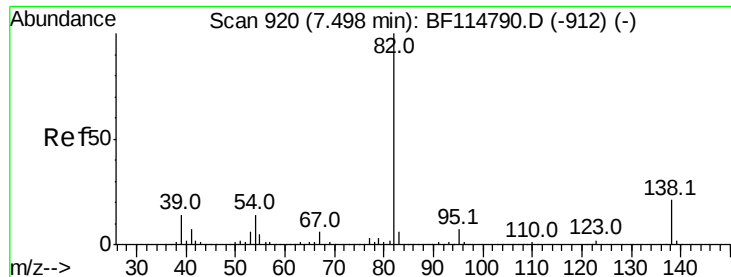


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.808 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

Instrument :

BNA_F

ClientSampleId :

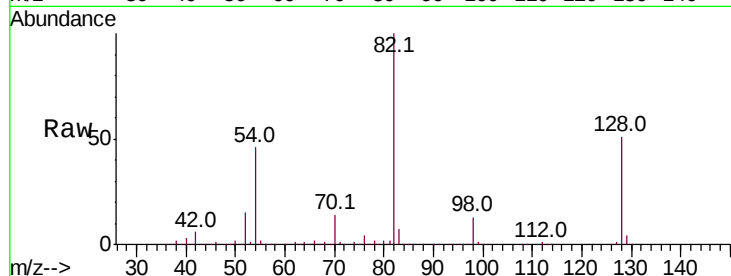
Tot Ion: 82 Resp: 1470550

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

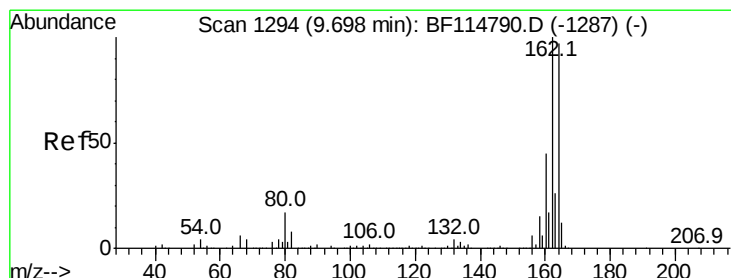
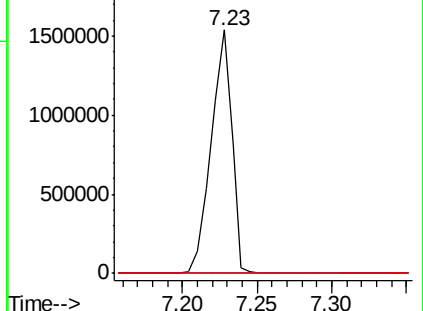
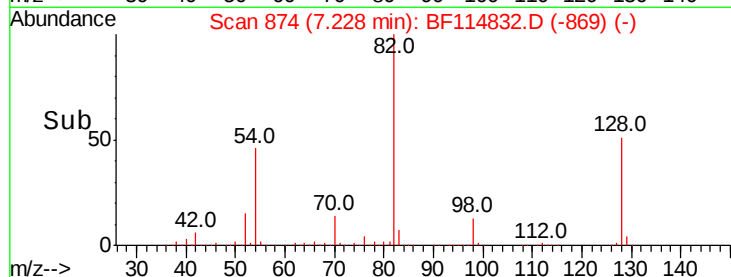
138 0.0 16.9 25.3#



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: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

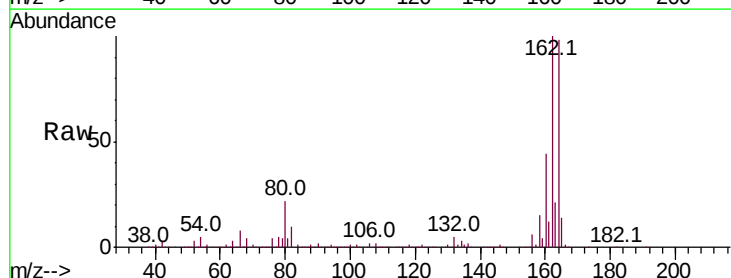
Tgt Ion:164 Resp: 692354

Ion Ratio Lower Upper

164 100

162 101.7 82.3 123.5

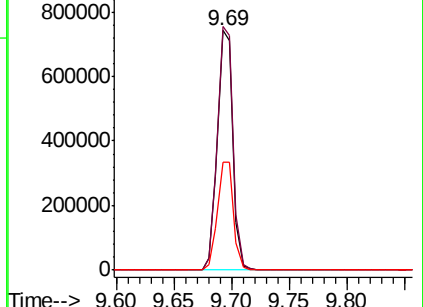
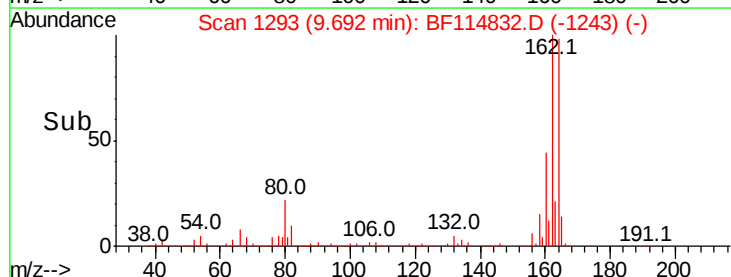
160 45.0 36.7 55.1

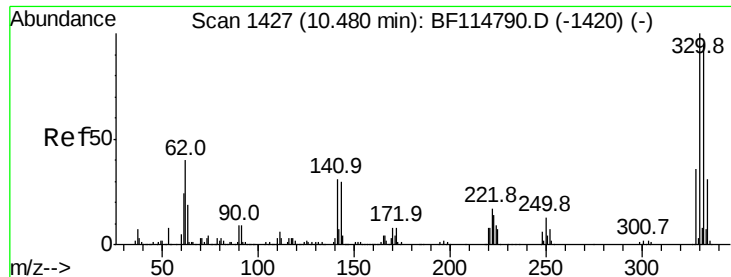


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

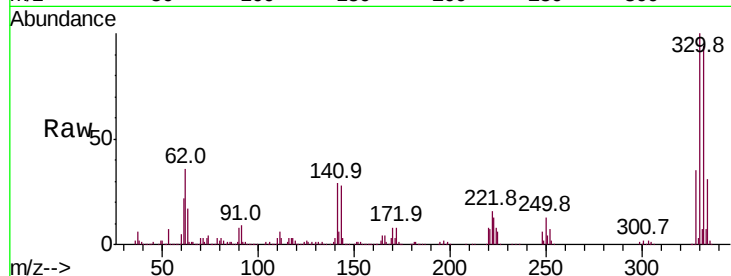




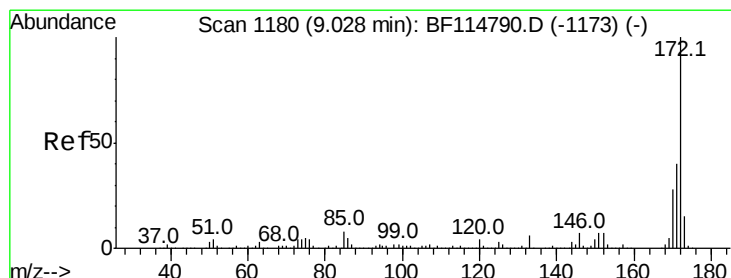
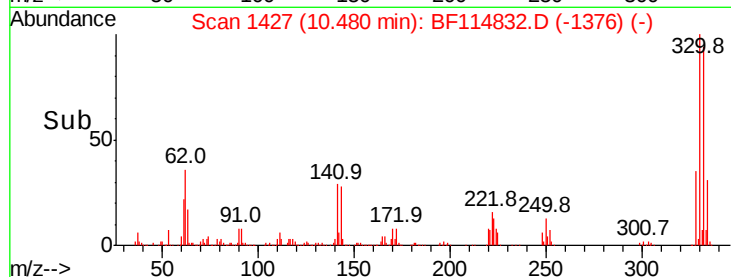
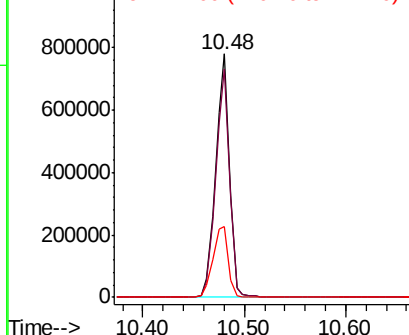
#42
 2,4,6-Tribromophenol
 Concen: 98.787 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BF114832.D
 Acq: 5 Jun 2019 21:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.3	115.9
141	32.6	26.2	39.4

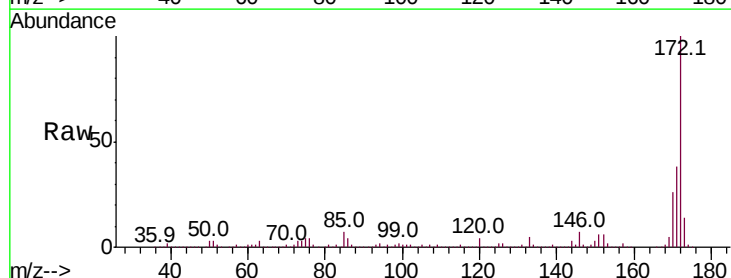


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

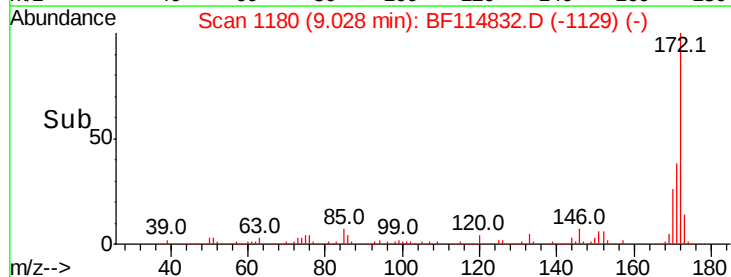
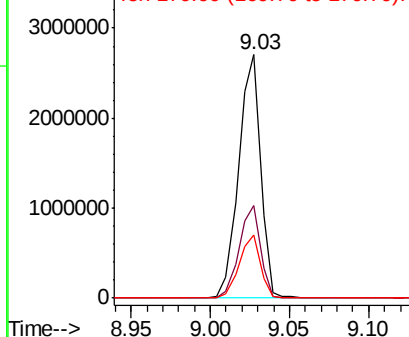


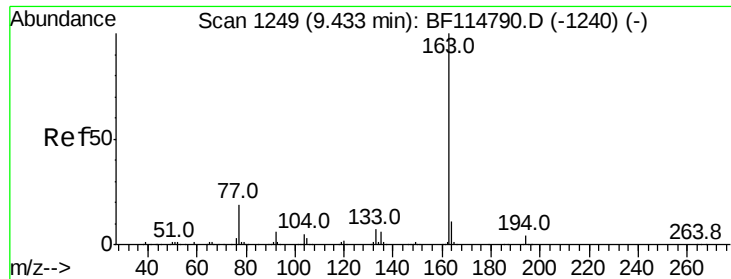
#45
 2-Fluorobiphenyl
 Concen: 70.047 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF114832.D
 Acq: 5 Jun 2019 21:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	32.3	48.5
170	26.0	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

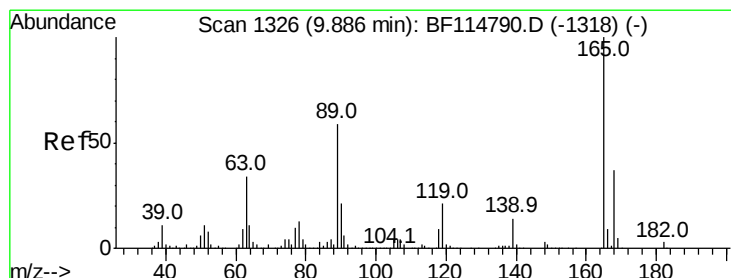
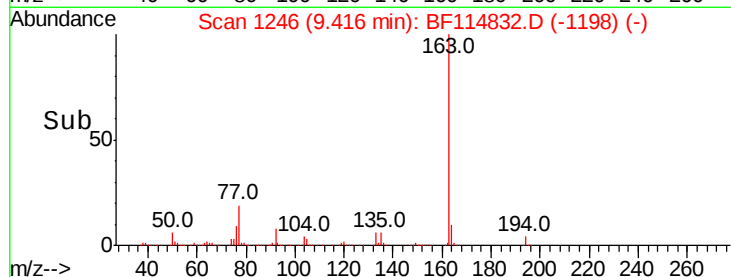
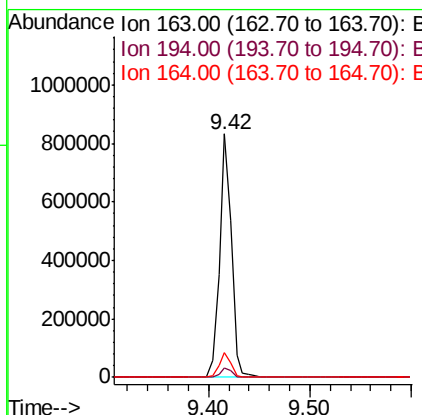
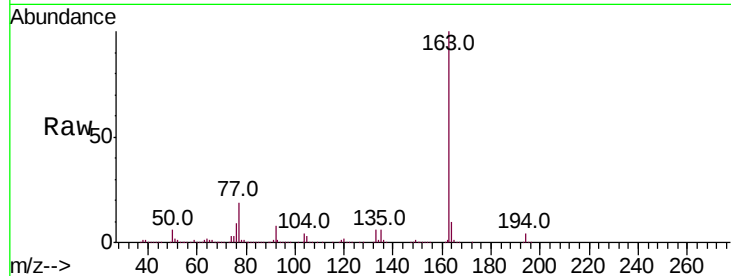




#50
Dimethylphthalate
Concen: 13.252 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114832.D
Acq: 5 Jun 2019 21:41

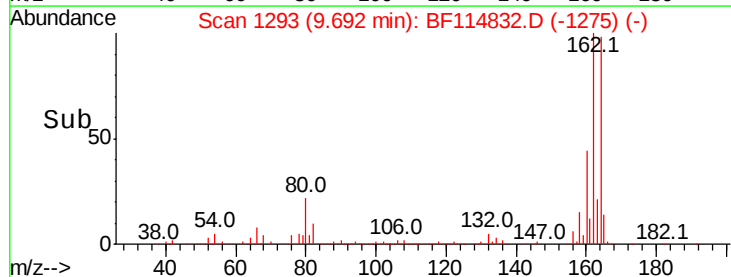
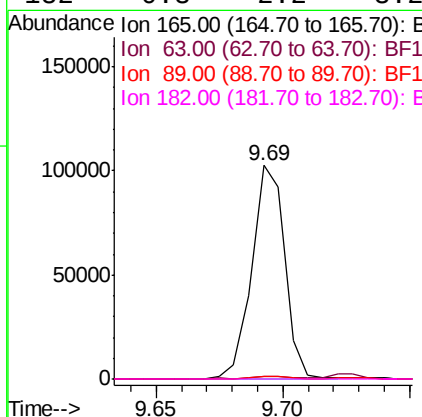
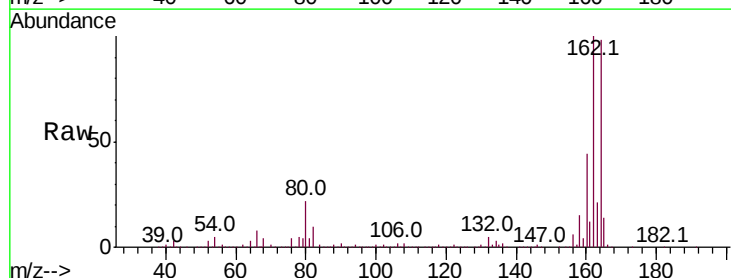
Instrument :
BNA_F
ClientSampled :

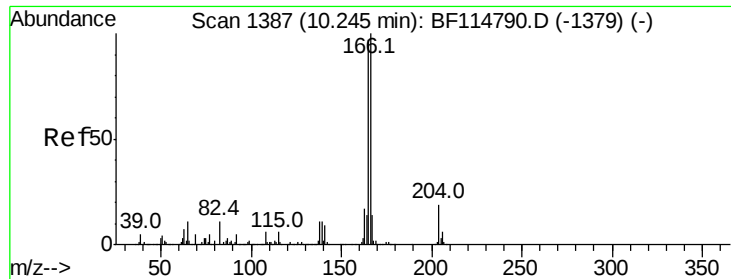
Tot Ion:163 Resp: 670101
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 10.2 8.6 13.0



#57
2,4-Dinitrotoluene
Concen: 6.242 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.19 min
Lab File: BF114832.D
Acq: 5 Jun 2019 21:41

Tgt Ion:165 Resp: 93323
Ion Ratio Lower Upper
165 100
63 1.1 27.0 40.4#
89 1.1 47.0 70.6#
182 0.3 2.2 3.2#





#58

Fluorene

Concen: Below Cal

RT: 10.23 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

Instrument :

BNA_F

ClientSampled :

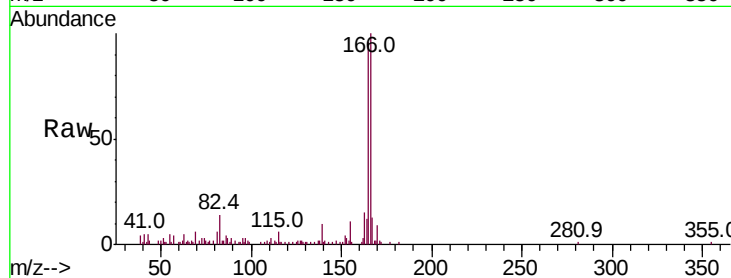
Tot Ion:166 Resp: 40526

Ion Ratio Lower Upper

166 100

165 95.9 77.9 116.9

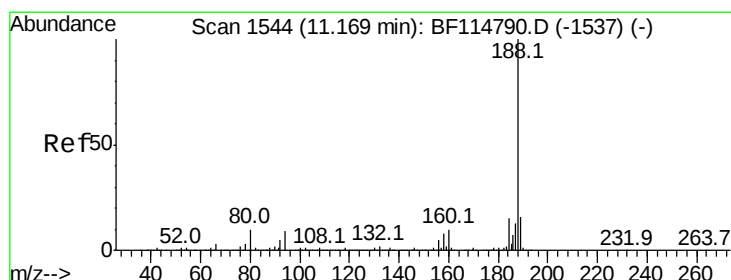
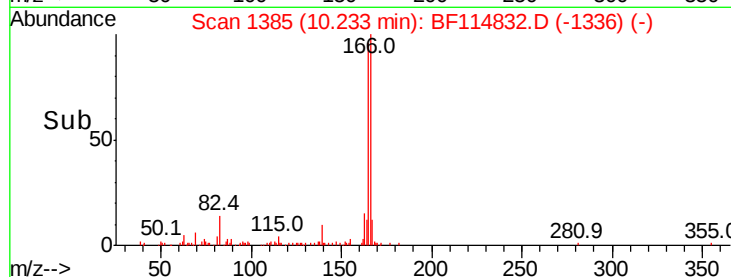
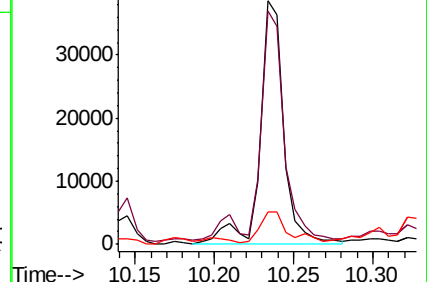
167 13.3 11.3 16.9



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# 1544

Delta R.T. 0.00 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

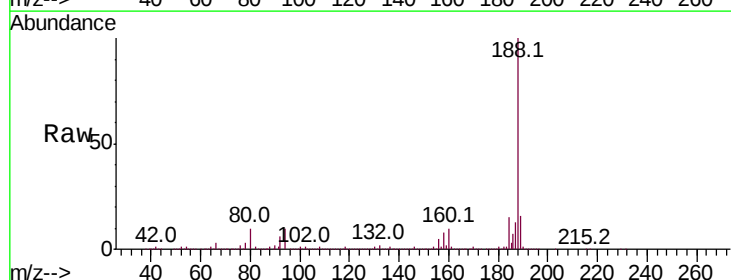
Tgt Ion:188 Resp: 1350860

Ion Ratio Lower Upper

188 100

94 9.9 7.6 11.4

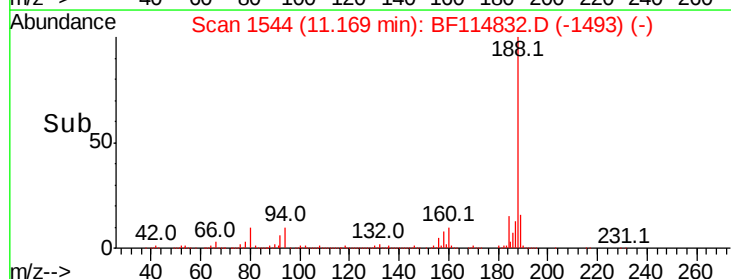
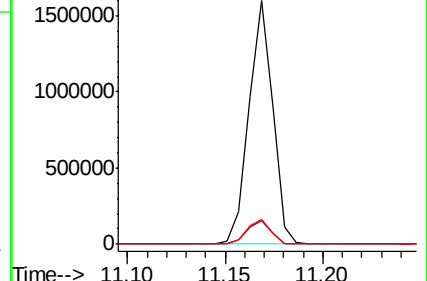
80 10.1 8.3 12.5

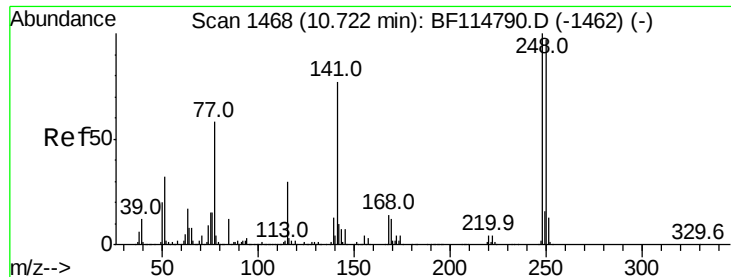


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

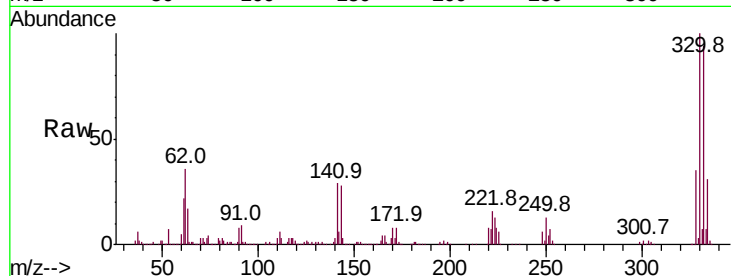




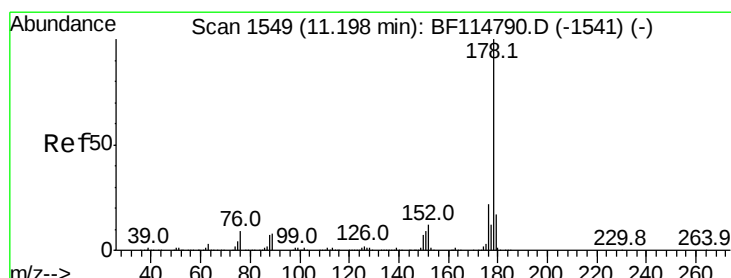
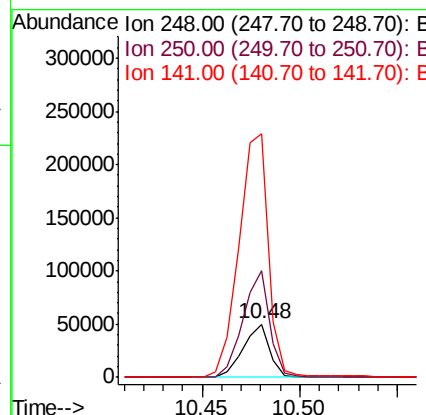
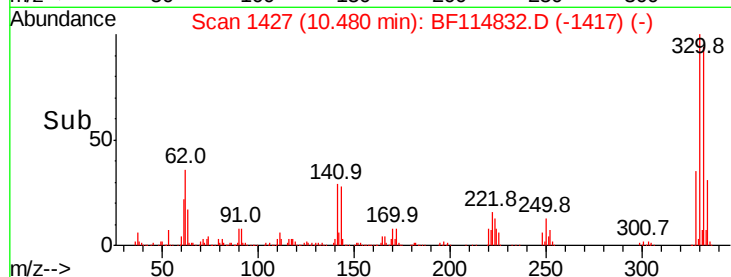
#67
 4-Bromophenyl-phenylether
 Concen: 3.074 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.24 min
 Lab File: BF114832.D
 Acq: 5 Jun 2019 21:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 47169
 Ion Ratio Lower Upper
 248 100
 250 199.5 77.5 116.3#
 141 456.9 61.8 92.8#

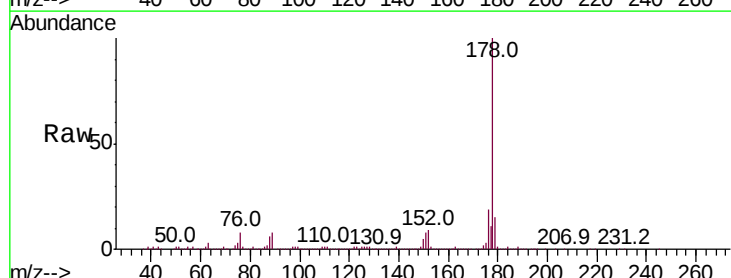


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

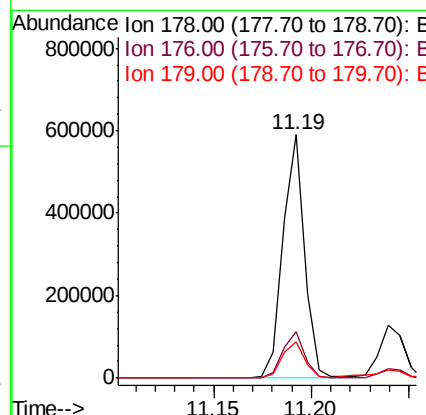
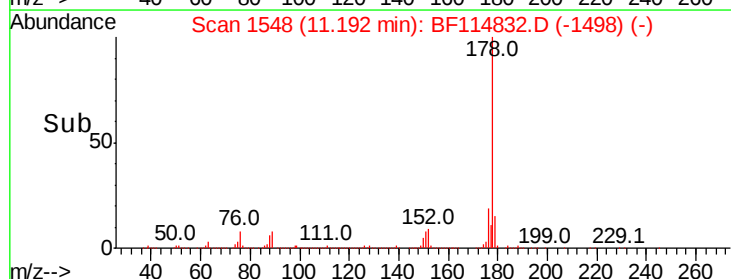


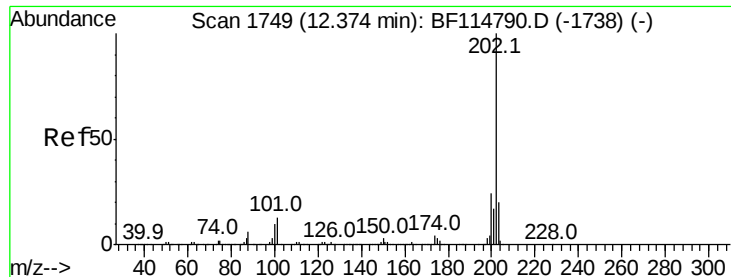
#71
 Phenanthrene
 Concen: 7.005 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF114832.D
 Acq: 5 Jun 2019 21:41

Tgt Ion:178 Resp: 451736
 Ion Ratio Lower Upper
 178 100
 176 18.9 17.7 26.5
 179 15.0 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





#75

Fluoranthene

Concen: 10.032 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

Instrument :

BNA_F

ClientSampleId :

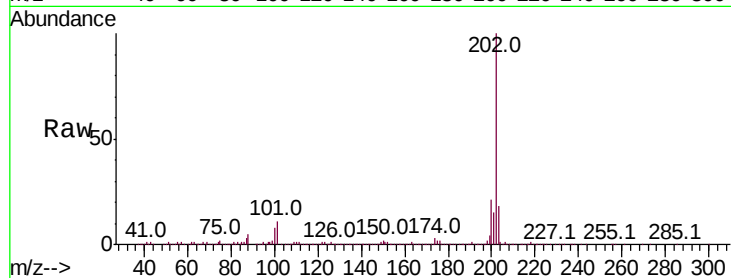
Tot Ion:202 Resp: 673380

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.8

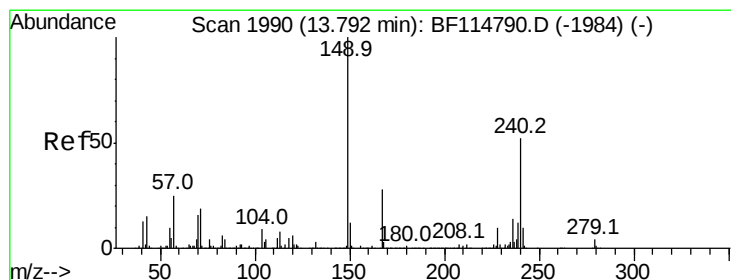
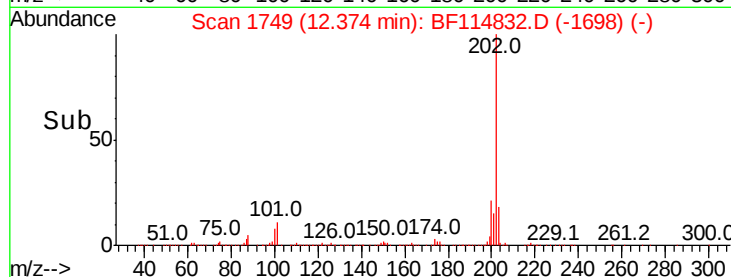
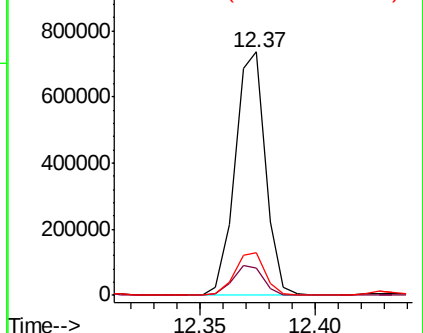
203 17.8 0.2 40.2



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: BF114832.D

Acq: 5 Jun 2019 21:41

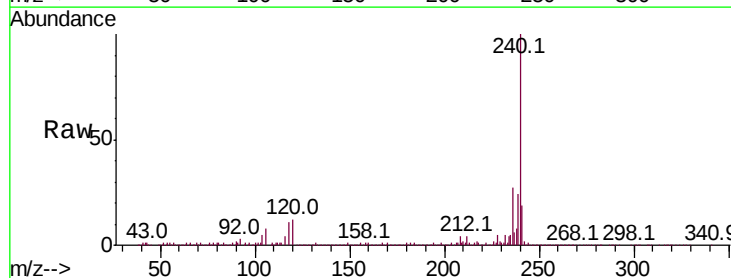
Tgt Ion:240 Resp: 879418

Ion Ratio Lower Upper

240 100

120 12.0 9.0 13.4

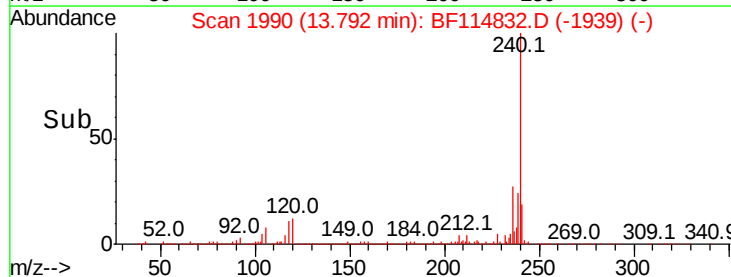
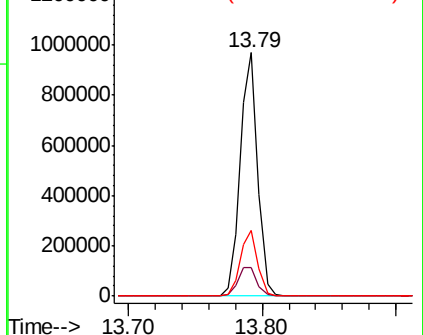
236 27.0 21.4 32.0

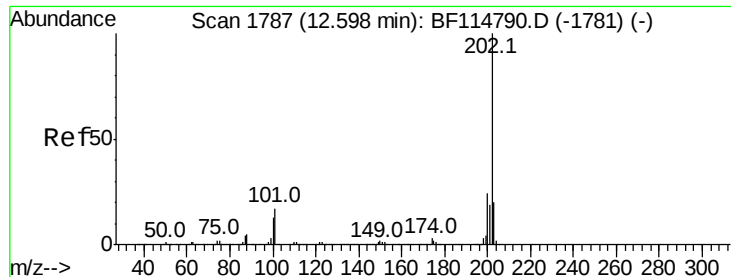


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.590 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

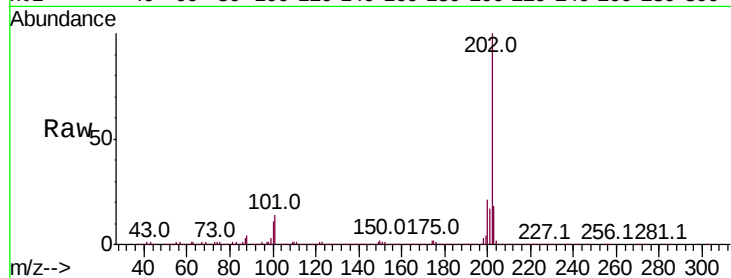
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 655319

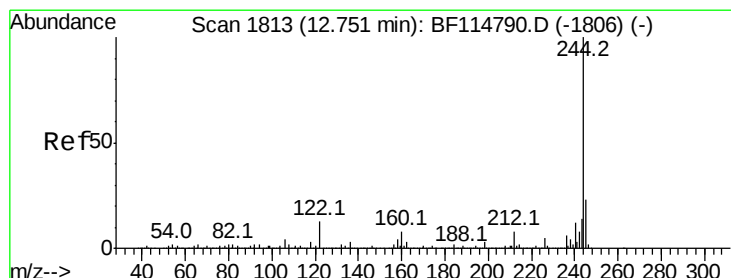
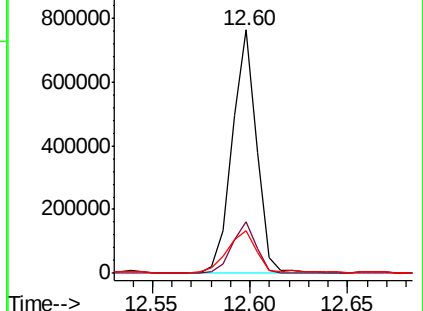
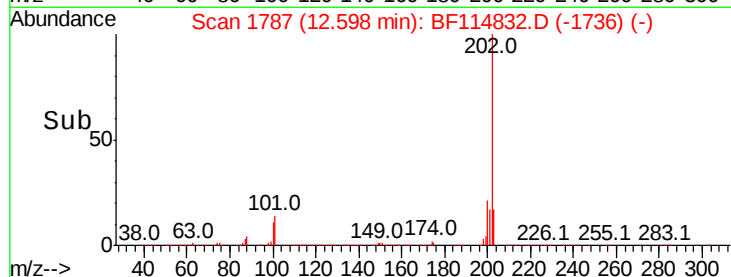
Ion	Ratio	Lower	Upper
202	100		
200	21.1	19.2	28.8
203	17.7	15.9	23.9



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: 60.835 ng

RT: 12.75 min Scan# 1813

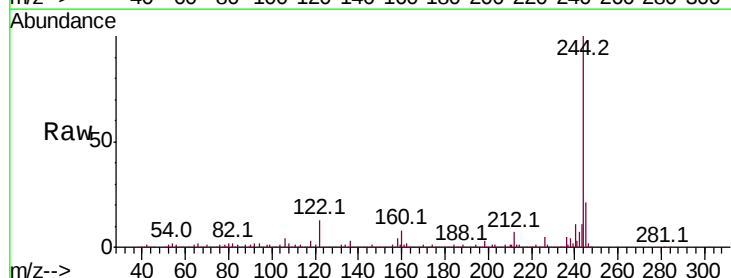
Delta R.T. 0.00 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

Tgt Ion:244 Resp: 2750939

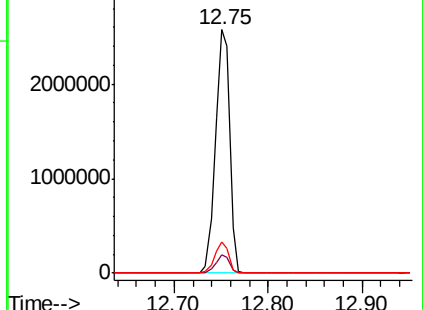
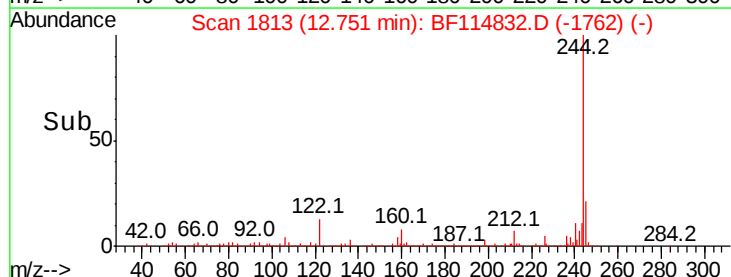
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.5	9.7
122	12.7	10.5	15.7

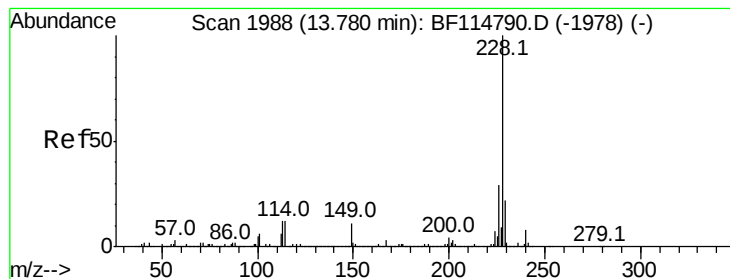


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.220 ng

RT: 13.78 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

Instrument :

BNA_F

ClientSampleId :

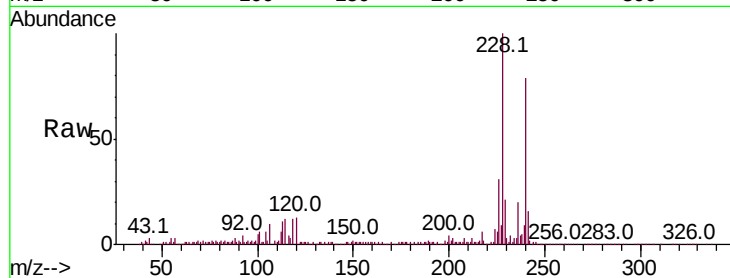
Tot Ion:228 Resp: 285953

Ion Ratio Lower Upper

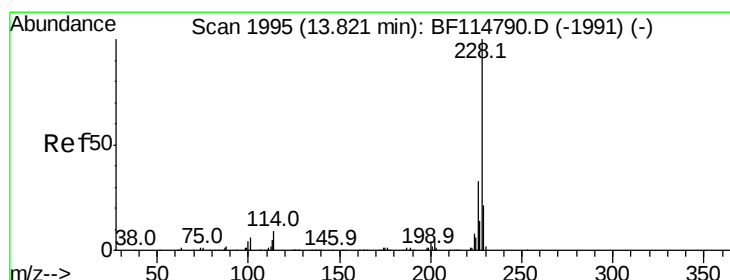
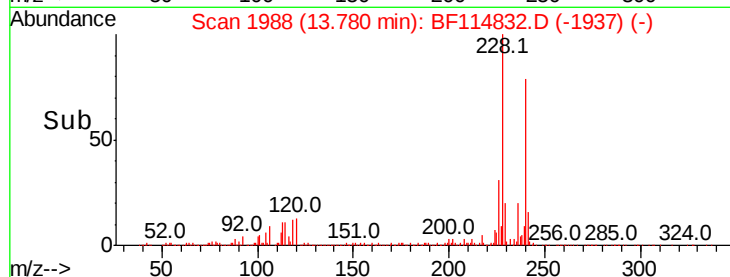
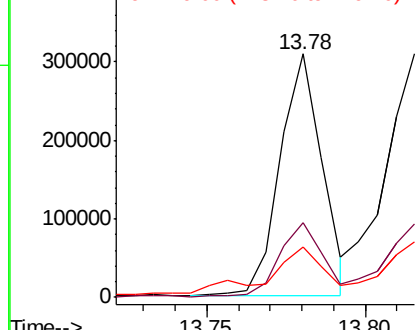
228 100

226 30.9 23.4 35.2

229 20.9 17.4 26.0



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: 4.612 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF114832.D

Acq: 5 Jun 2019 21:41

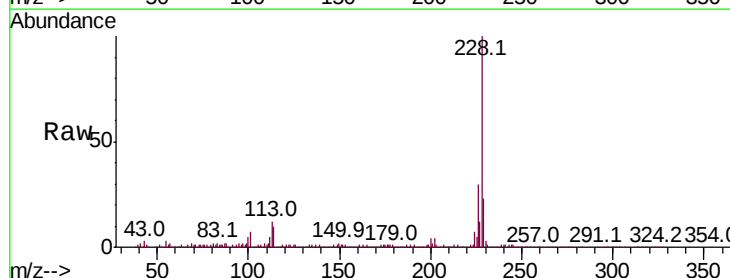
Tgt Ion:228 Resp: 304041

Ion Ratio Lower Upper

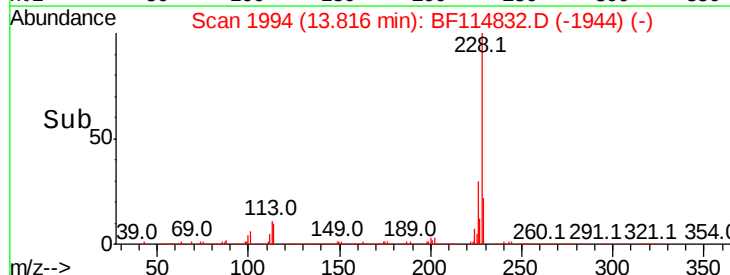
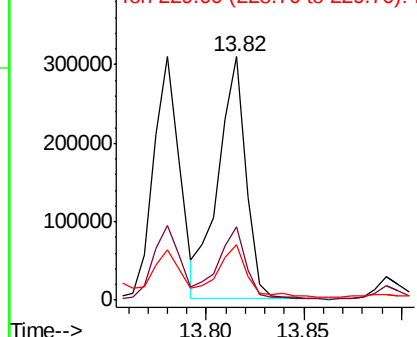
228 100

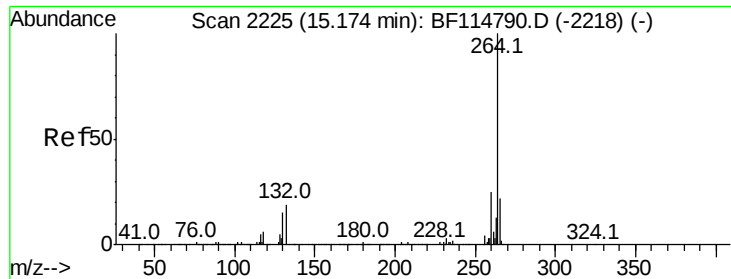
226 30.2 26.0 39.0

229 23.0 17.1 25.7



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

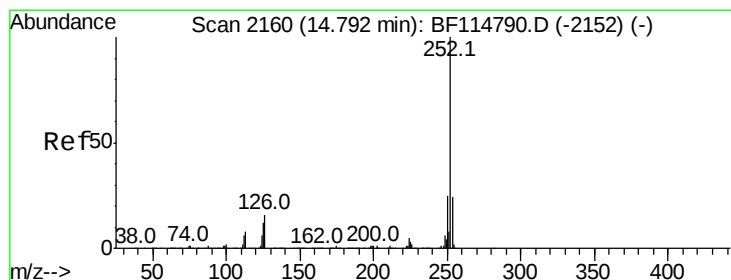
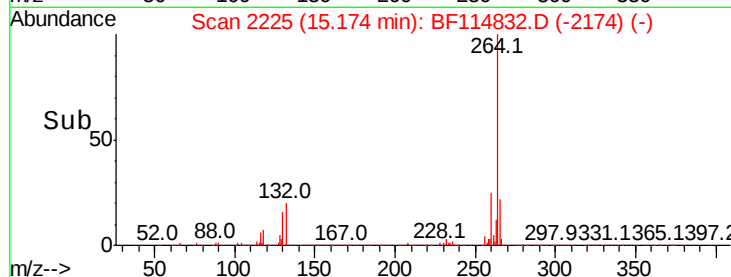
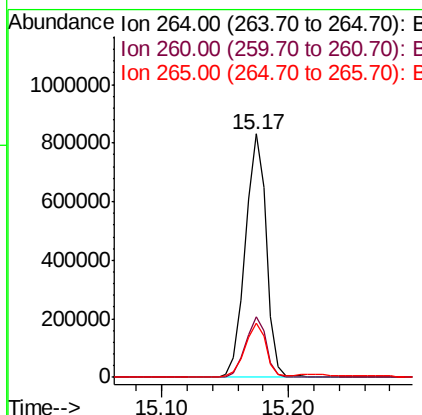
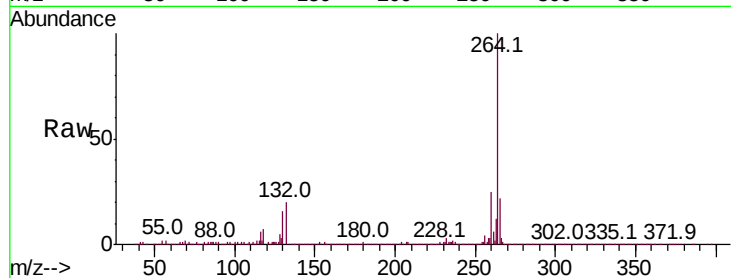




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF114832.D
Acq: 5 Jun 2019 21:41

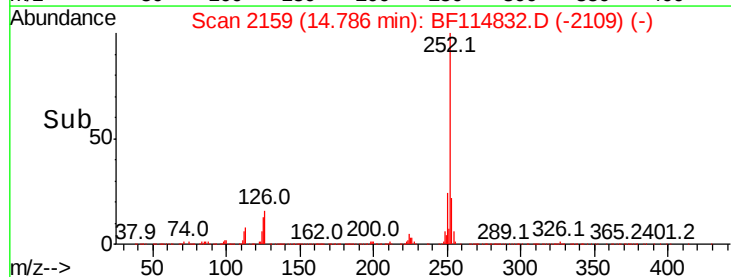
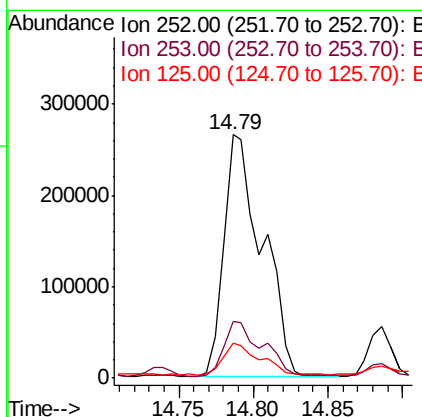
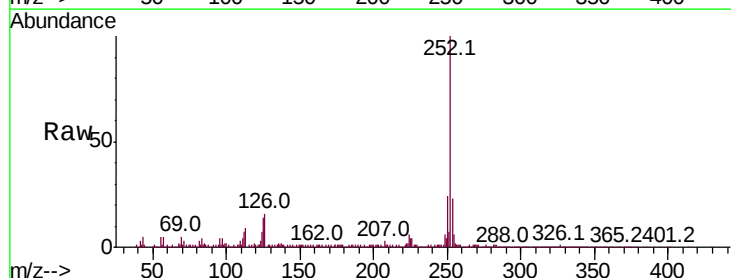
Instrument :
BNA_F
ClientSampleId :

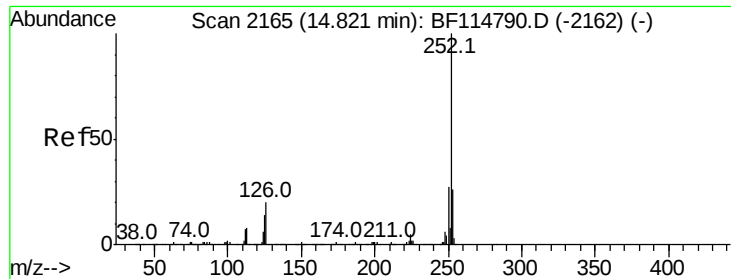
Tot Ion:264 Resp: 951650
Ion Ratio Lower Upper
264 100
260 24.8 20.1 30.1
265 22.3 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 7.925 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BF114832.D
Acq: 5 Jun 2019 21:41

Tgt Ion:252 Resp: 480153
Ion Ratio Lower Upper
252 100
253 23.4 19.0 28.6
125 14.5 9.4 14.0#

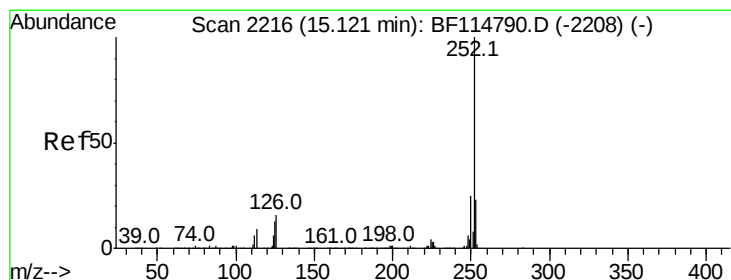
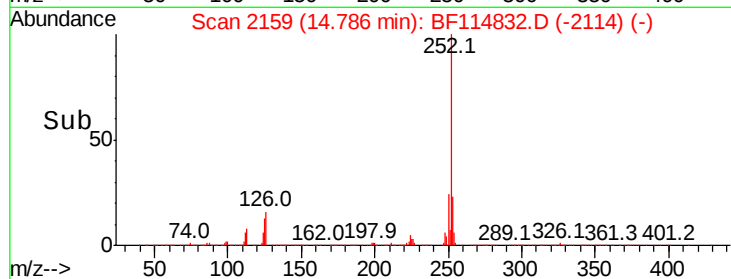
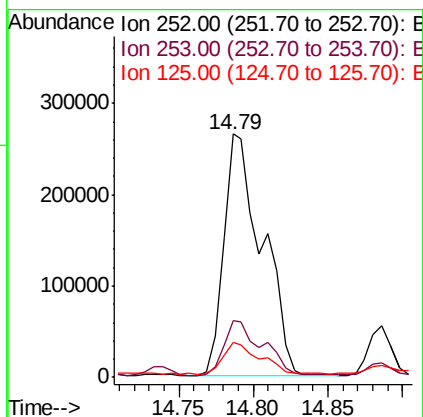
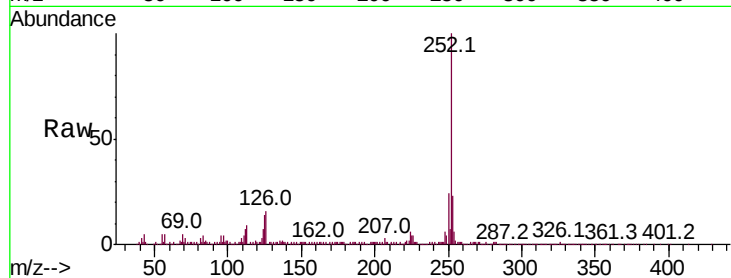




#89
Benzo(k)fluoranthene
Concen: 9.333 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.04 min
Lab File: BF114832.D
Acq: 5 Jun 2019 21:41

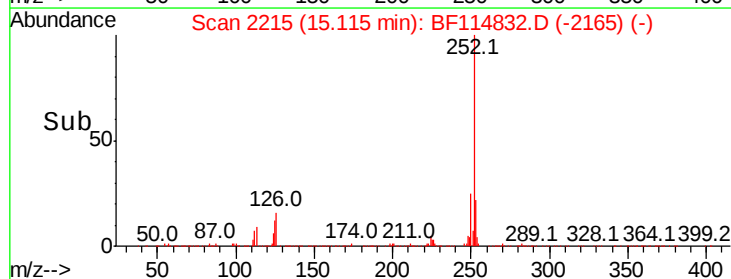
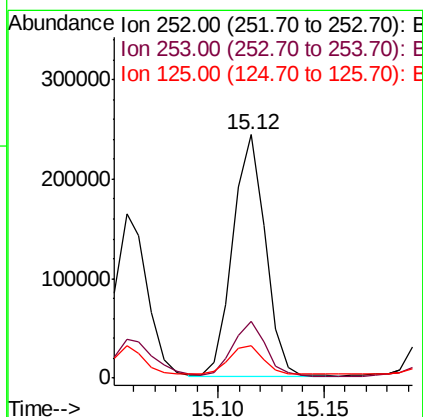
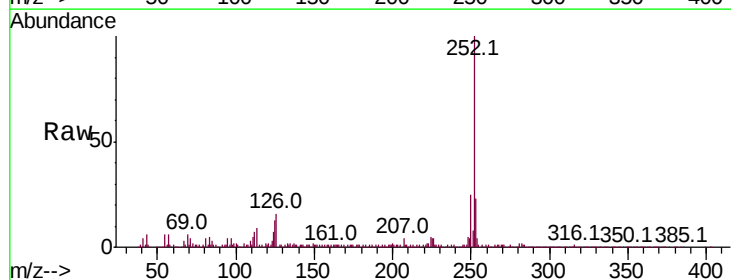
Instrument :
BNA_F
ClientSampleId :

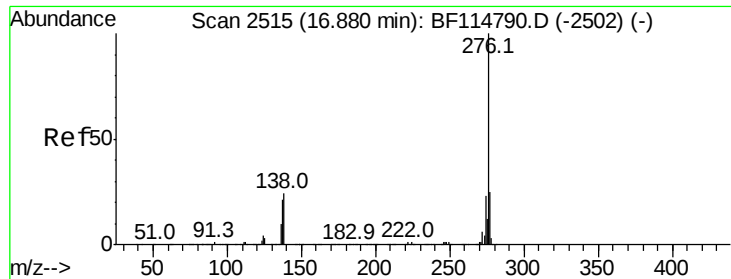
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.3	28.9
125	14.5	10.1	15.1



#90
Benzo(a)pyrene
Concen: 4.959 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF114832.D
Acq: 5 Jun 2019 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	13.1	10.1	15.1

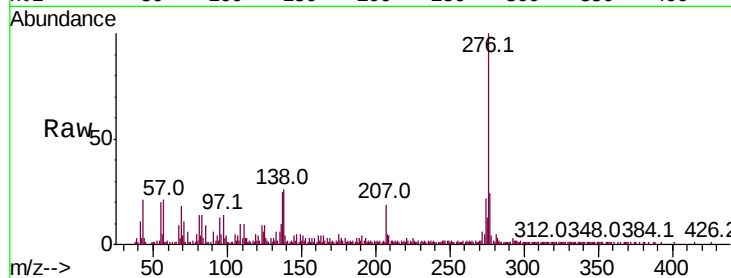




#92
 Benzo(a,h,i)perylene
 Concen: 2.283 ng
 RT: 16.87 min Scan# 2513
 Delta R.T. -0.01 min
 Lab File: BF114832.D
 Acq: 5 Jun 2019 21:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.6
138	25.9	19.4	29.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

