

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114882.D
 Acq On : 7 Jun 2019 00:15
 Operator : HP/JU
 Sample : K3105-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRIANGLEDL

Quant Time: Jun 07 04:00:17 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	313843	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1246896	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	563932	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	938388	20.00	ng	0.00
76) Chrysene-d12	13.80	240	573043	20.00	ng	0.01
87) Perylene-d12	15.19	264	556012	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1140716	63.51	ng	0.01
7) Phenol-d6	6.30	99	1402217	64.16	ng	0.00
23) Nitrobenzene-d5	7.23	82	804014	39.69	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	308052	50.69	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1369057	45.48	ng	0.00
79) Terphenyl-d14	12.75	244	1050064	35.64	ng	0.00

Target Compounds

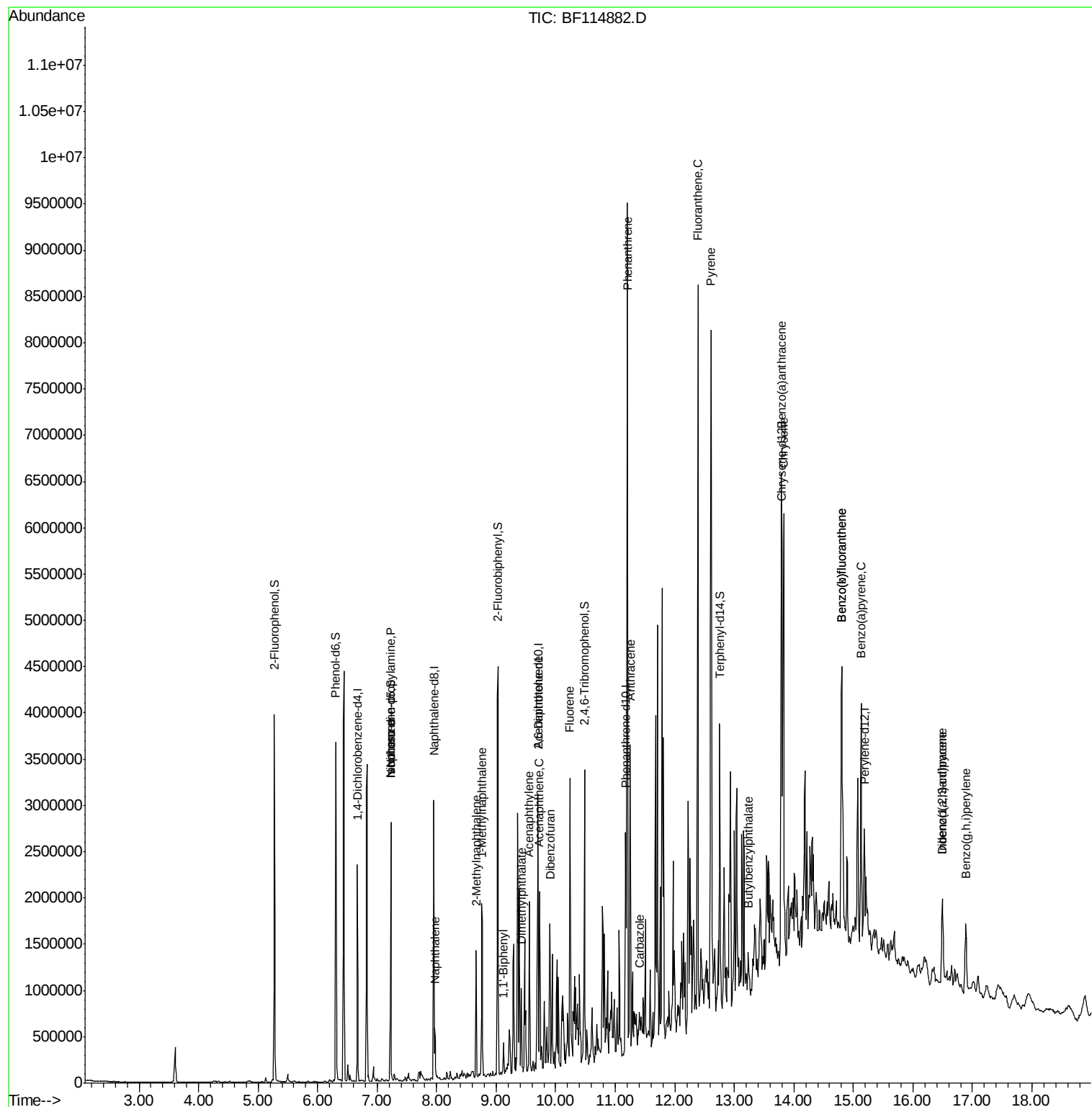
						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	106010	7.328	ng	# 76
25) Isophorone	7.23	82	783587	19.568	ng	# 61
31) Naphthalene	7.97	128	219416	3.909	ng	95
37) 2-Methylnaphthalene	8.66	142	358360	9.204	ng	98
38) 1-Methylnaphthalene	8.76	142	507714	13.750	ng	99
46) 1,1'-Biphenyl	9.12	154	86527	2.070	ng	96
49) Acenaphthylene	9.56	152	434238	8.431	ng	95
50) Dimethylphthalate	9.42	163	229172	5.564	ng	98
51) 2,6-Dinitrotoluene	9.70	165	108128	11.163	ng	# 35
52) Acenaphthene	9.73	154	386801	11.465	ng	98
55) Dibenzofuran	9.90	168	227758	4.855	ng	# 93
58) Fluorene	10.24	166	731227	19.000	ng	99
71) Phenanthrene	11.20	178	3761373	83.964	ng	98
72) Anthracene	11.25	178	1259087	26.707	ng	95
73) Carbazole	11.40	167	124568	3.082	ng	98
75) Fluoranthene	12.39	202	3305403	70.892	ng	99
78) Pyrene	12.62	202	3691466	74.257	ng	99
80) Butylbenzylphthalate	13.23	149	59416	2.367	ng	99
81) Benzo(a)anthracene	13.79	228	1921417	43.512	ng	96
83) Chrysene	13.83	228	1920486	44.707	ng	97
86) Indeno(1,2,3-cd)pyrene	16.50	276	617857	12.606	ng	96
88) Benzo(b)fluoranthene	14.80	252	2182936	61.671	ng	98
89) Benzo(k)fluoranthene	14.80	252	2182936	72.621	ng	99
90) Benzo(a)pyrene	15.13	252	1245235	40.645	ng	98
91) Dibenzo(a,h)anthracene	16.50	278	190700	6.573	ng	# 90
92) Benzo(g,h,i)perylene	16.89	276	586101	20.088	ng	98

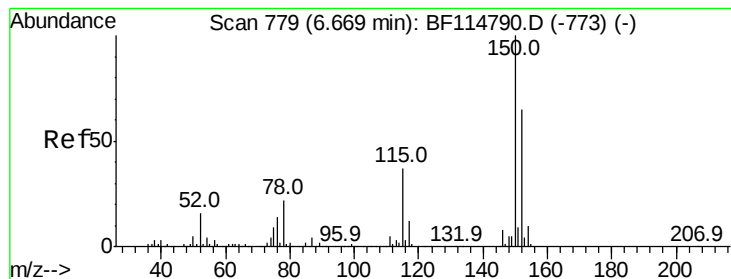
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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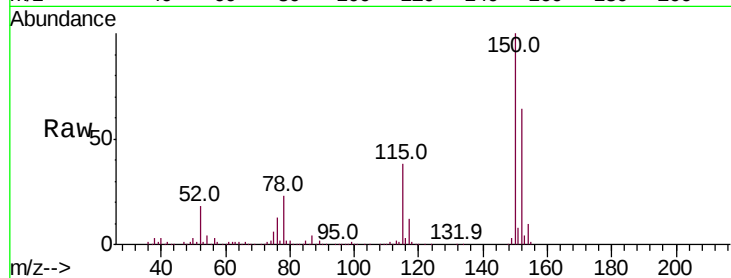


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114882.D
Acq: 7 Jun 2019 00:15

Instrument :
BNA_F
ClientSampleId :
TRIANGLEDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.0	186.0
115	59.3	46.3	69.5

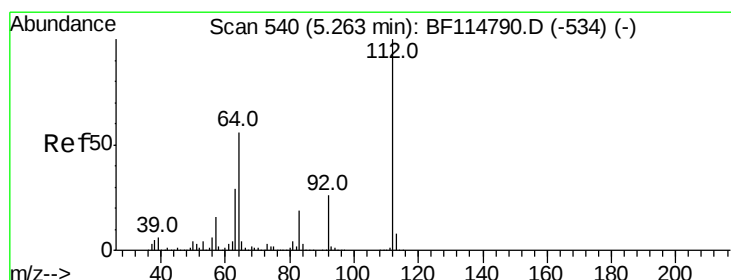
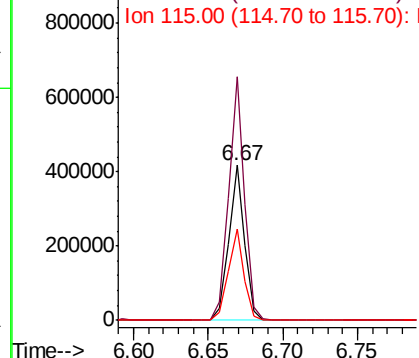
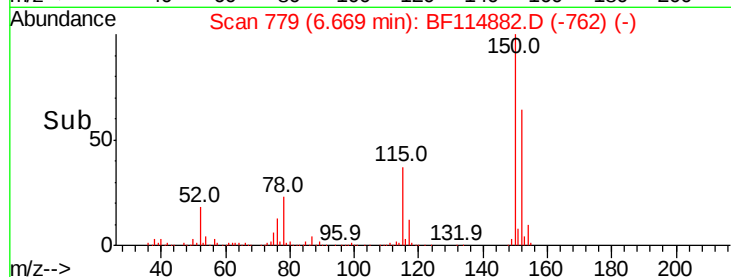


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

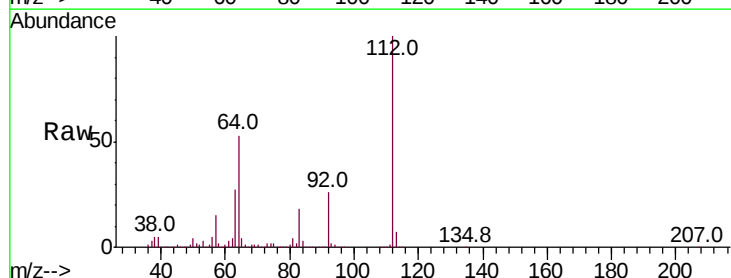
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 63.511 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114882.D
Acq: 7 Jun 2019 00:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	44.6	66.8
63	27.0	23.0	34.4

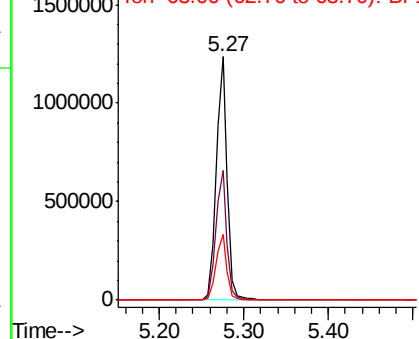
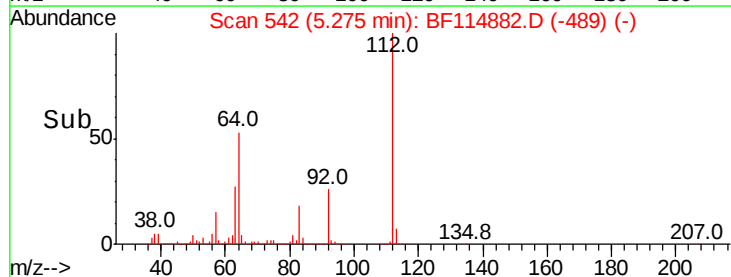


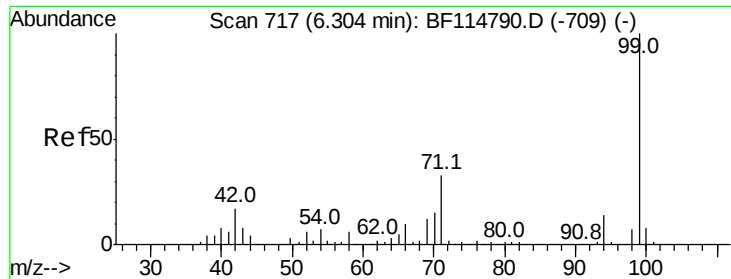
Abundance

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: 64.160 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

BNA_F

ClientSampleId :

TRIANGLEDL

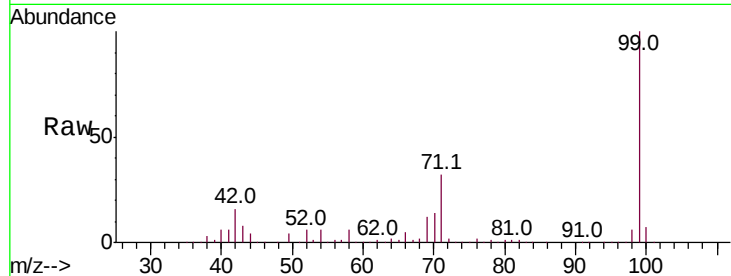
Tot Ion: 99 Resp: 1402217

Ion Ratio Lower Upper

99 100

42 16.3 13.3 19.9

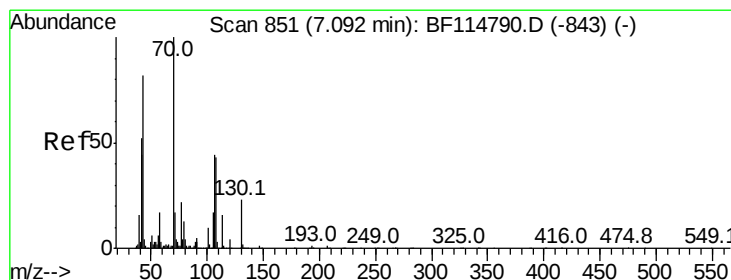
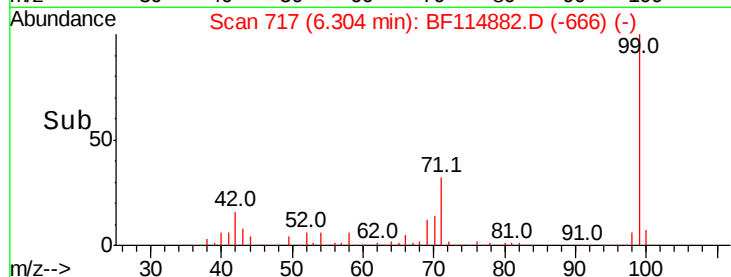
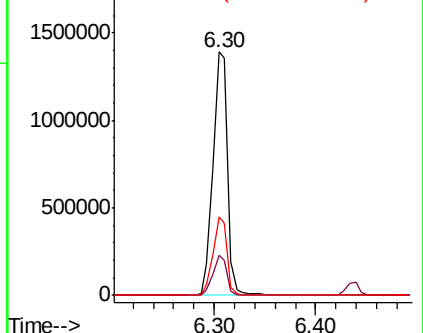
71 32.1 26.3 39.5



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: 7.328 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Tgt Ion: 70 Resp: 106010

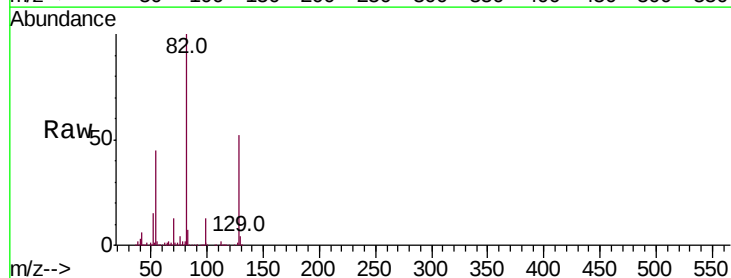
Ion Ratio Lower Upper

70 100

42 41.3 41.8 62.8#

101 0.0 8.2 12.4#

130 2.1 18.5 27.7#

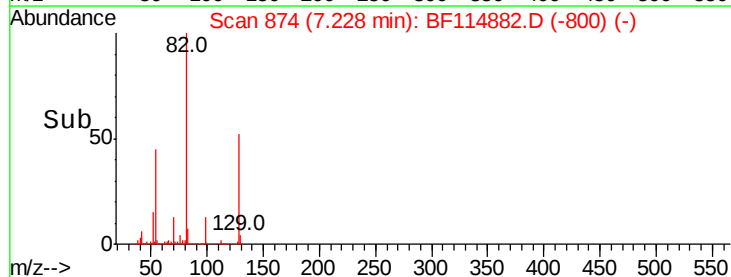
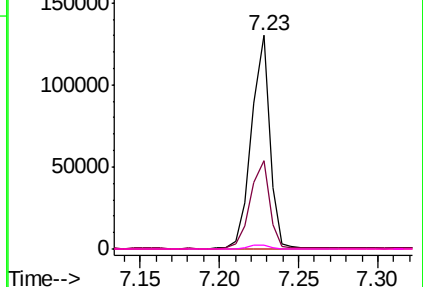


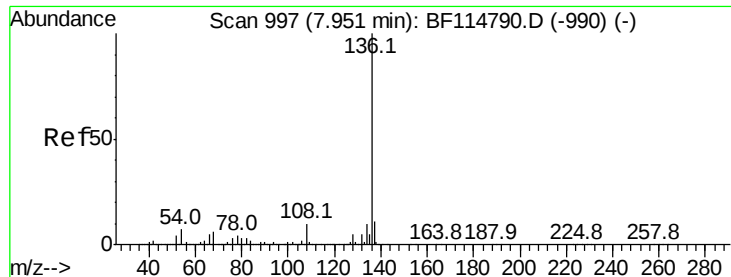
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 997

Delta R.T. 0.00 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

BNA_F

ClientSampleId :

TRIANGLEDL

Tot Ion:136 Resp: 1246896

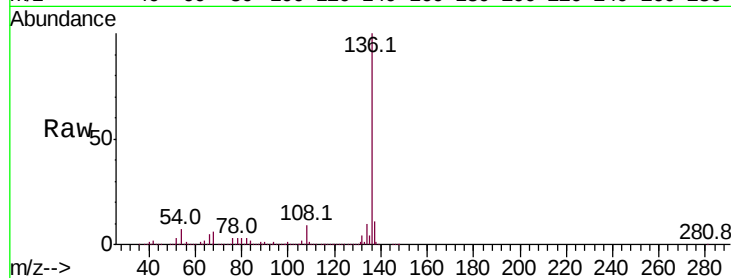
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.7 5.4 8.0

68 5.8 4.6 6.8

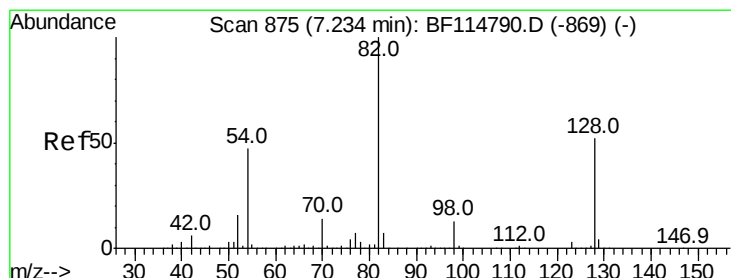
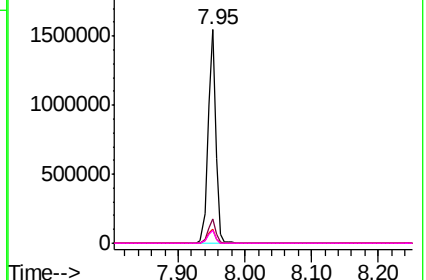
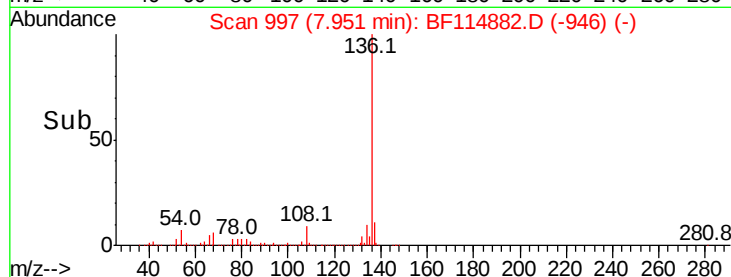


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.694 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

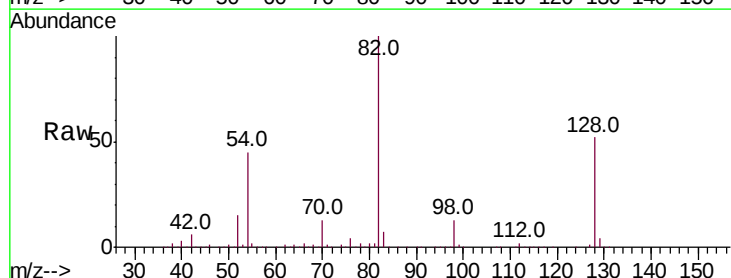
Tgt Ion: 82 Resp: 804014

Ion Ratio Lower Upper

82 100

128 52.1 41.8 62.6

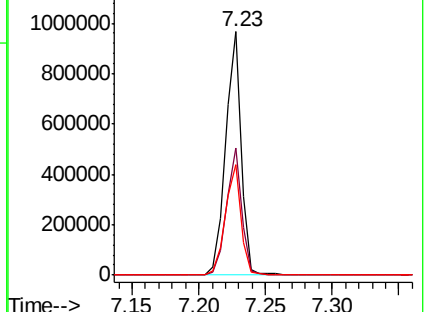
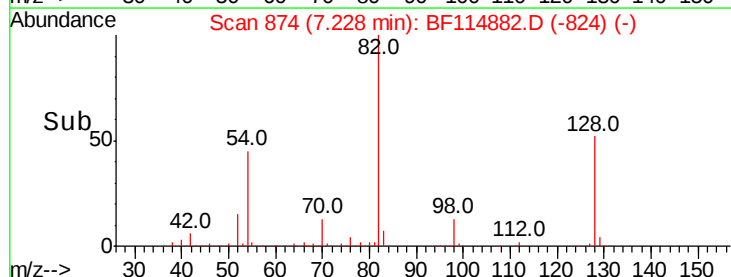
54 45.3 37.9 56.9

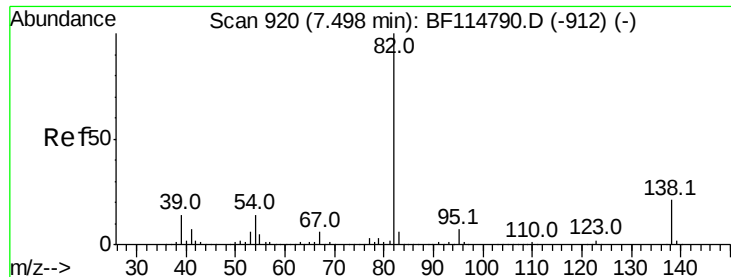


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 19.568 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

BNA_F

ClientSampleId :

TRIANGLEDL

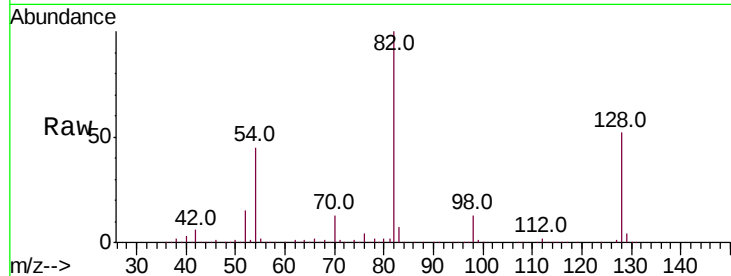
Tot Ion: 82 Resp: 783587

Ion Ratio Lower Upper

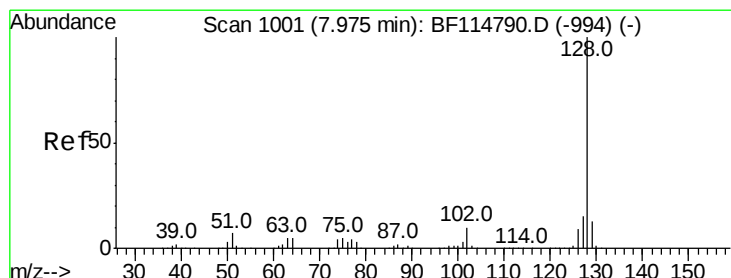
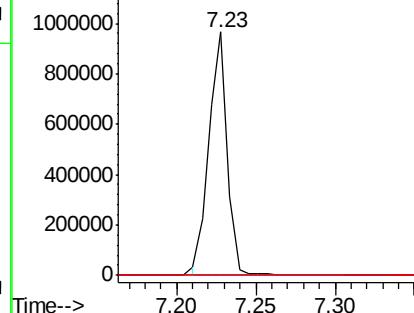
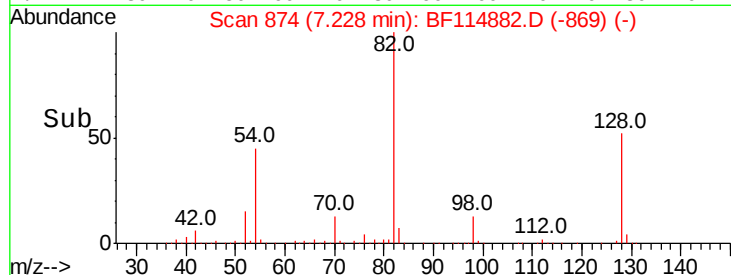
82 100

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



#31

Naphthalene

Concen: 3.909 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

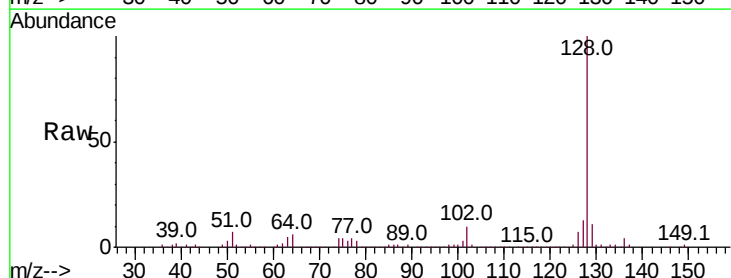
Tgt Ion: 128 Resp: 219416

Ion Ratio Lower Upper

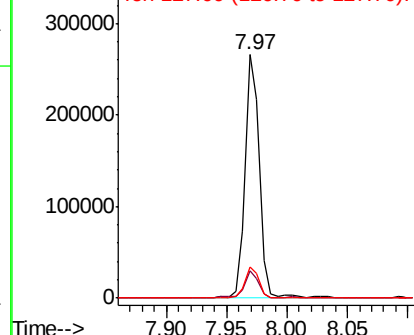
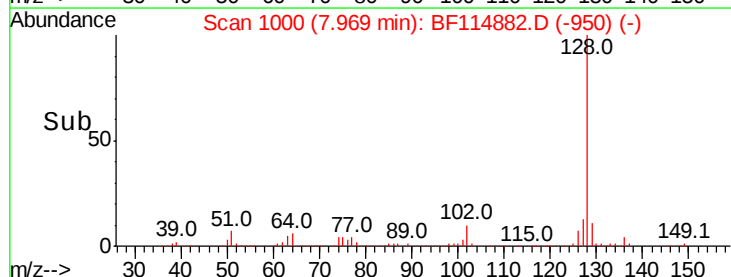
128 100

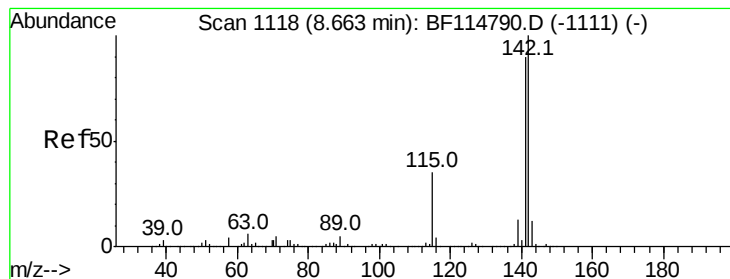
129 11.4 10.0 15.0

127 12.7 12.2 18.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 9.204 ng

RT: 8.66 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

BNA_F

ClientSampleId :

TRIANGLEDL

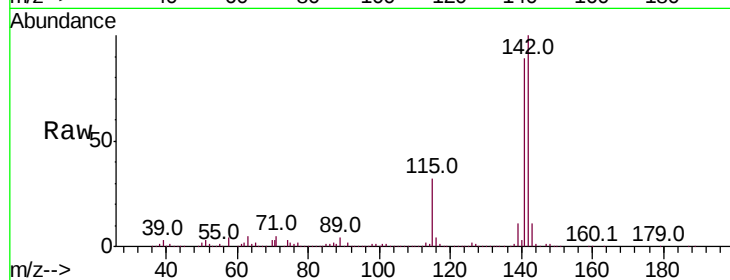
Tot Ion:142 Resp: 358360

Ion Ratio Lower Upper

142 100

141 89.2 71.6 107.4

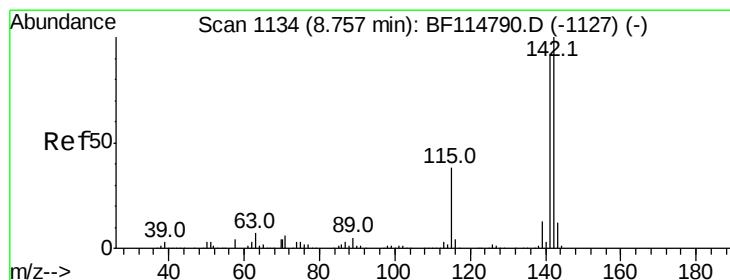
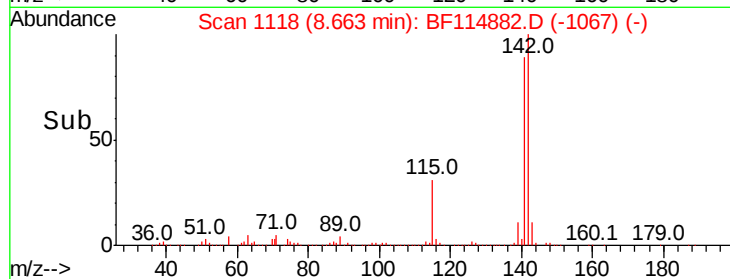
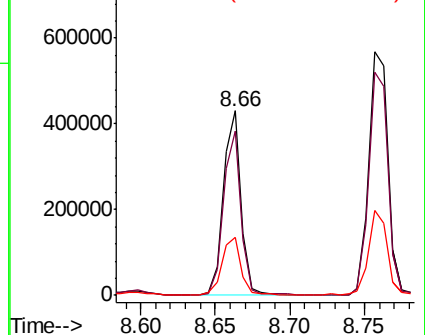
115 31.5 28.2 42.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 13.750 ng

RT: 8.76 min Scan# 1134

Delta R.T. 0.00 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

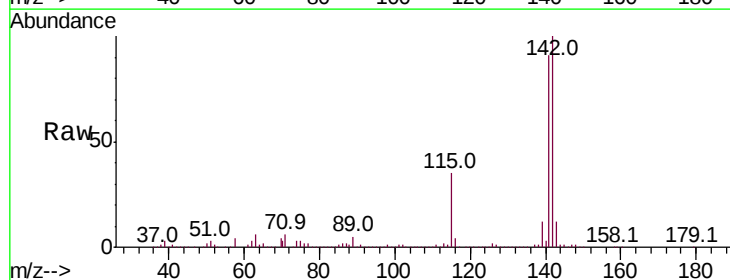
Tgt Ion:142 Resp: 507714

Ion Ratio Lower Upper

142 100

141 91.5 73.8 110.6

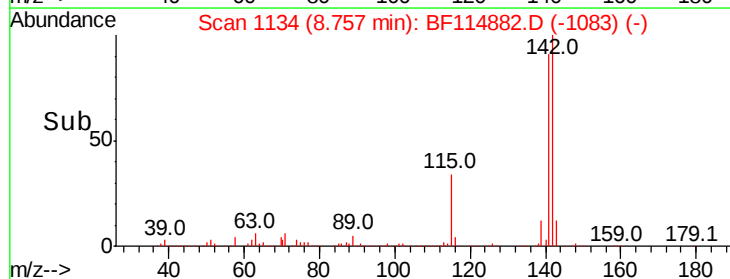
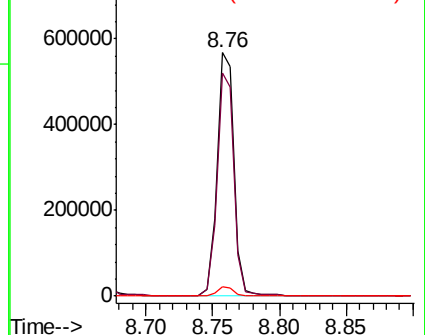
116 3.7 3.3 4.9

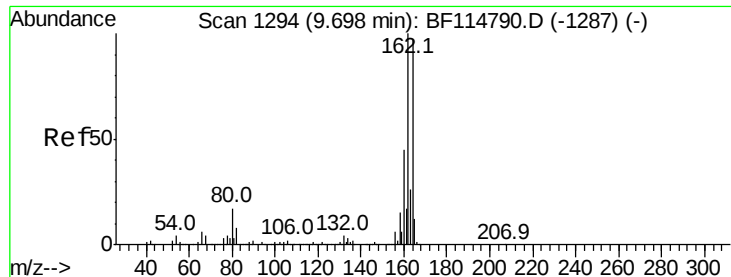


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

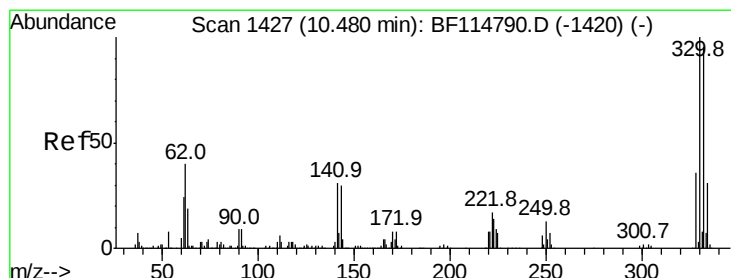
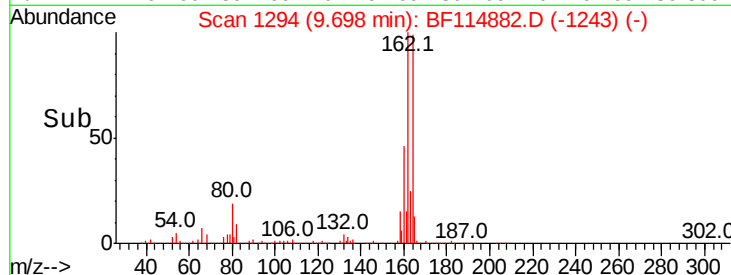
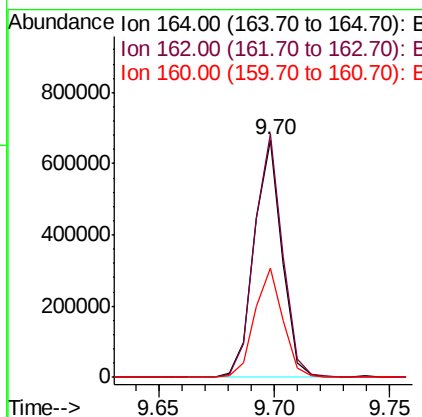
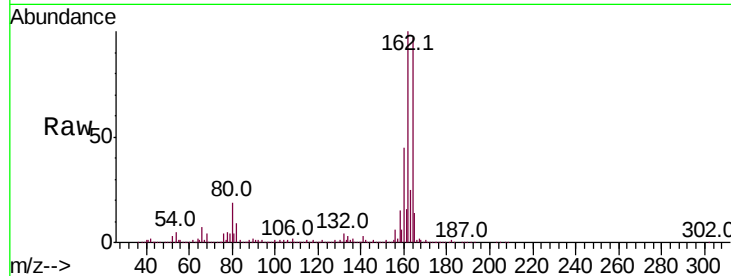




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: BF114882.D
 Acq: 7 Jun 2019 00:15

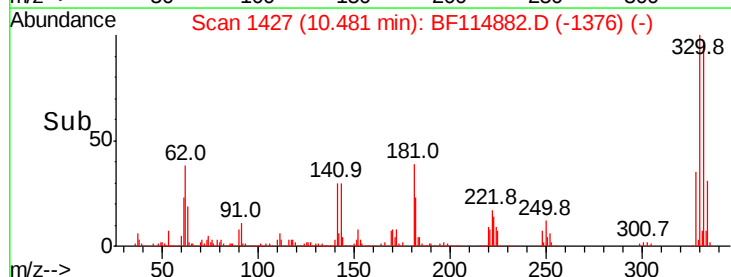
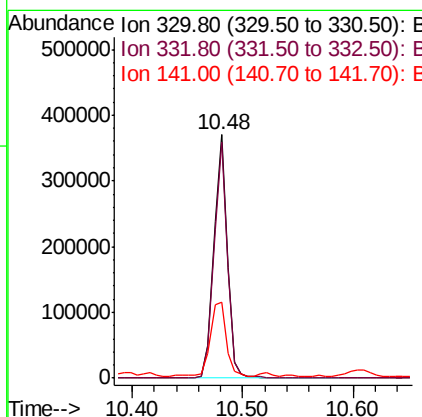
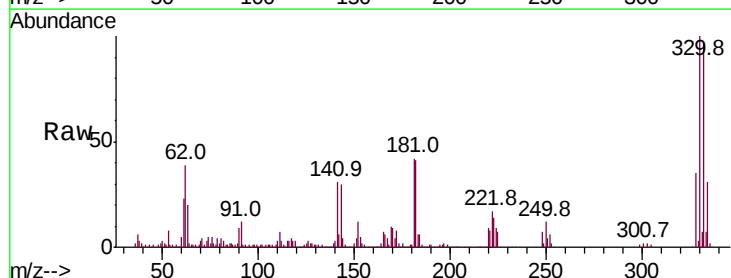
Instrument :
 BNA_F
 ClientSampleId :
 TRIANGLEDL

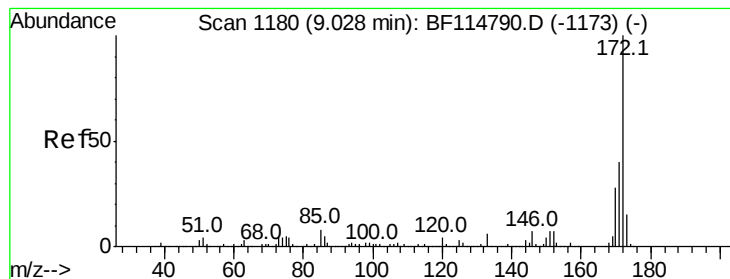
Tot Ion:164 Resp: 563932
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.3 123.5
 160 46.0 36.7 55.1



#42
 2,4,6-Tribromophenol
 Concen: 50.689 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BF114882.D
 Acq: 7 Jun 2019 00:15

Tgt Ion:330 Resp: 308052
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.3 115.9
 141 34.7 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 45.477 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

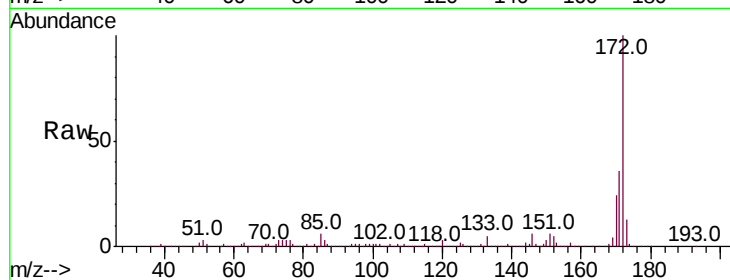
BNA_F

ClientSampleId :

TRIANGLEDL

Tot Ion:172 Resp: 1369057

Ion	Ratio	Lower	Upper
172	100		
171	36.1	32.3	48.5
170	23.9	22.4	33.6

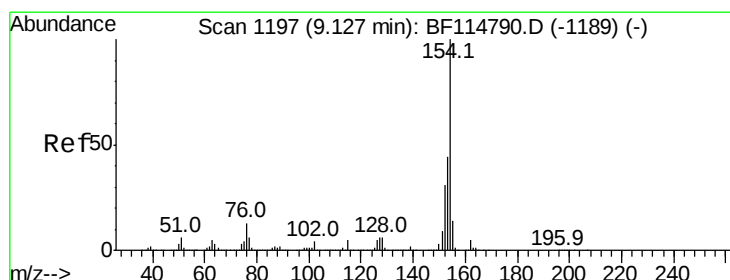
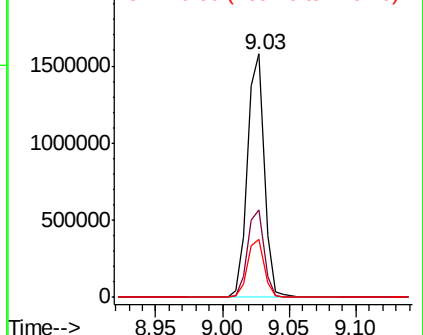
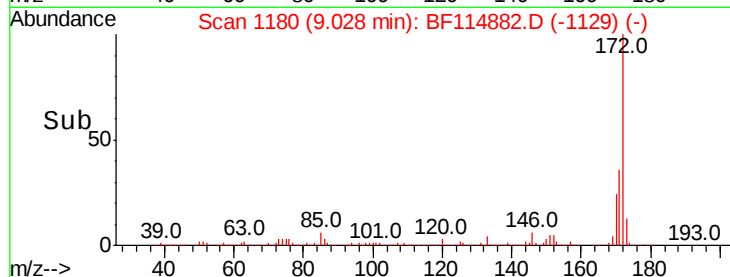


Abundance

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



#46

1,1'-Biphenyl

Concen: 2.070 ng

RT: 9.12 min Scan# 1196

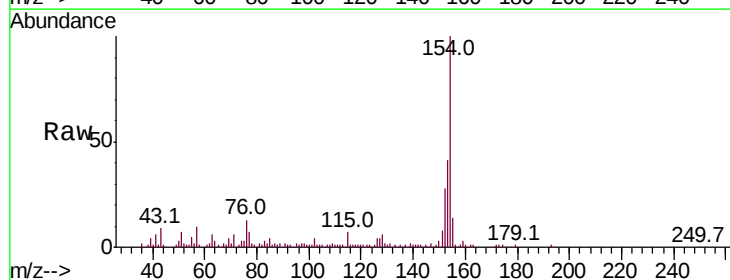
Delta R.T. -0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Tgt Ion:154 Resp: 86527

Ion	Ratio	Lower	Upper
154	100		
153	40.9	23.9	63.9
76	13.4	0.0	33.2

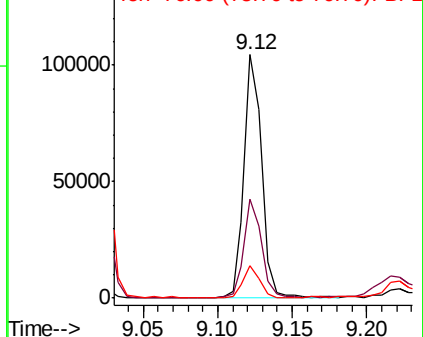
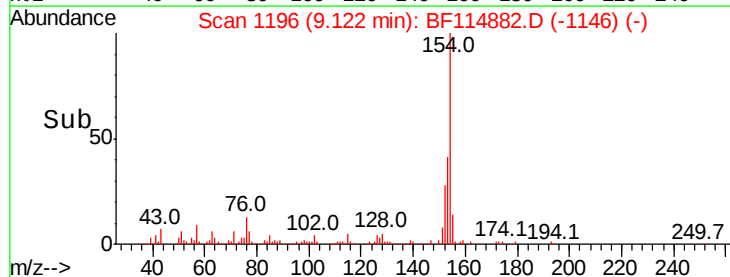


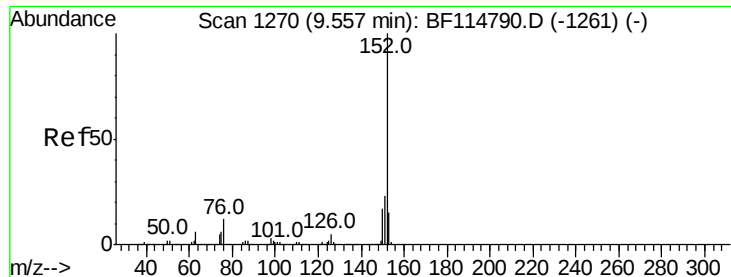
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 8.431 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

BNA_F

ClientSampleId :

TRIANGLEDL

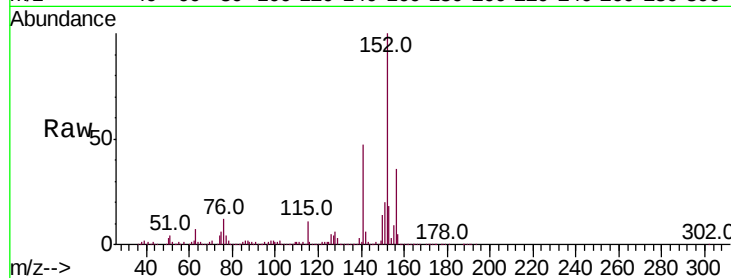
Tot Ion:152 Resp: 434238

Ion Ratio Lower Upper

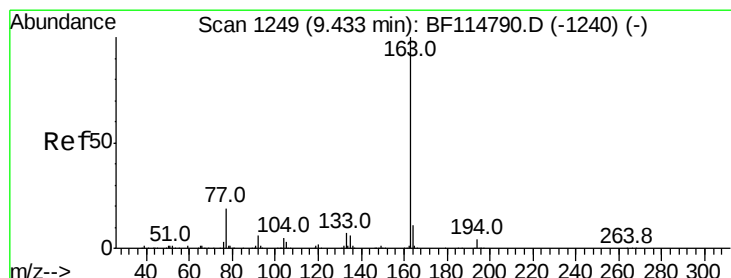
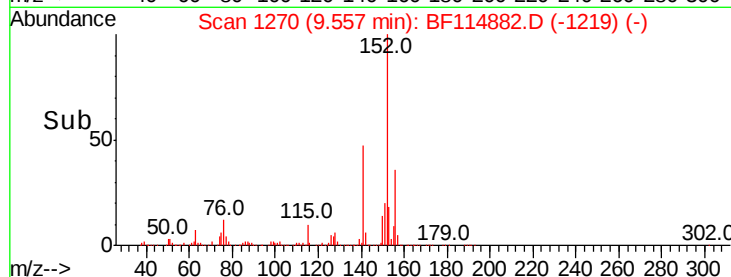
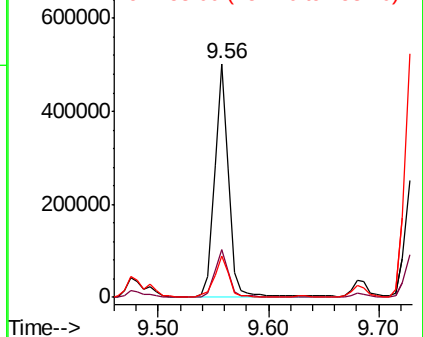
152 100

151 20.4 18.3 27.5

153 17.7 12.3 18.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.564 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

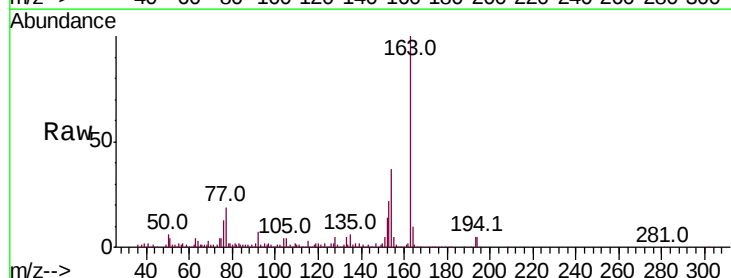
Tgt Ion:163 Resp: 229172

Ion Ratio Lower Upper

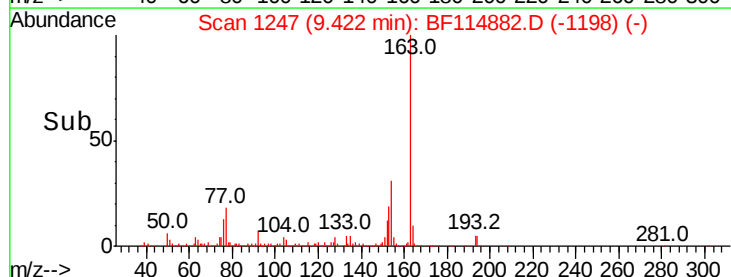
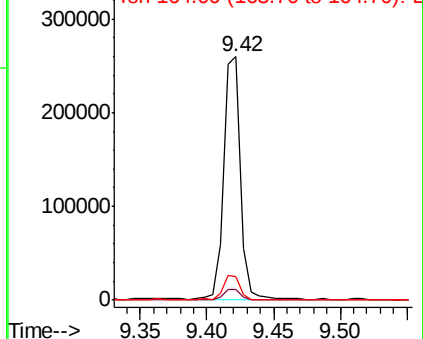
163 100

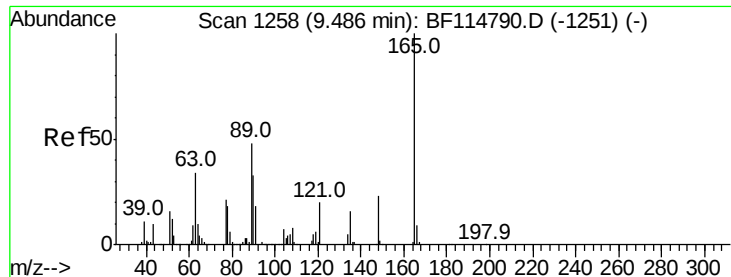
194 4.6 3.4 5.2

164 9.8 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





#51

2,6-Dinitrotoluene

Concen: 11.163 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.21 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

BNA_F

ClientSampleId :

TRIANGLEDL

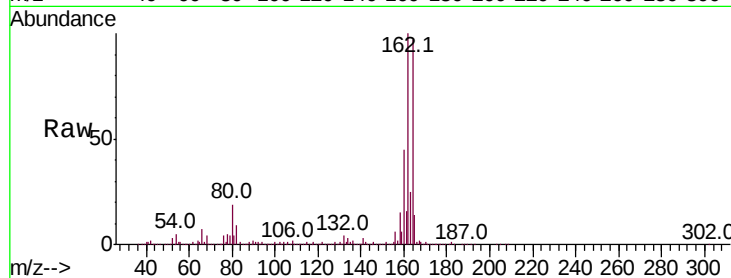
Tot Ion:165 Resp: 108128

Ion Ratio Lower Upper

165 100

63 2.5 35.1 52.7#

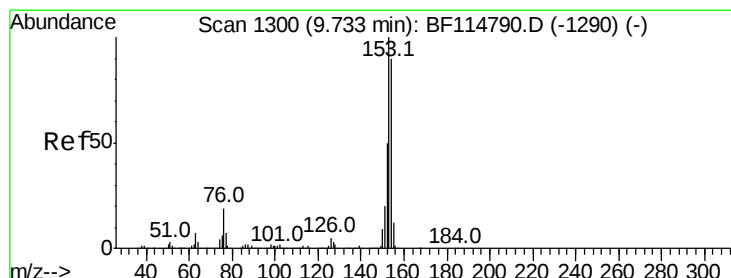
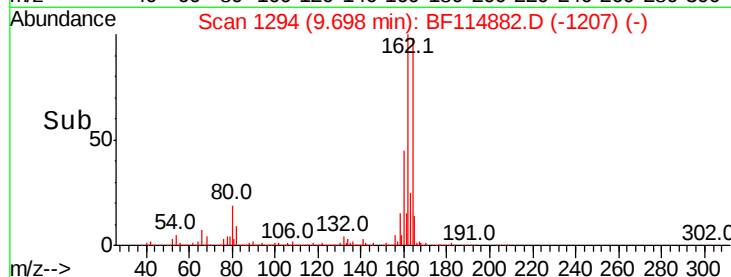
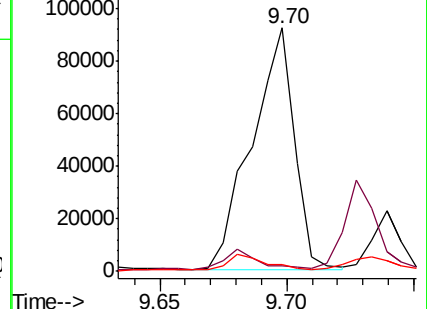
89 2.9 38.2 57.2#



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



#52

Acenaphthene

Concen: 11.465 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

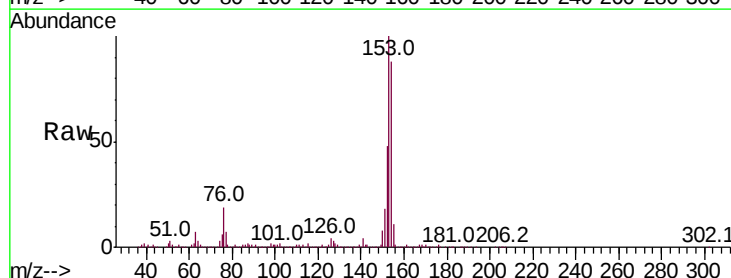
Tgt Ion:154 Resp: 386801

Ion Ratio Lower Upper

154 100

153 113.0 88.5 132.7

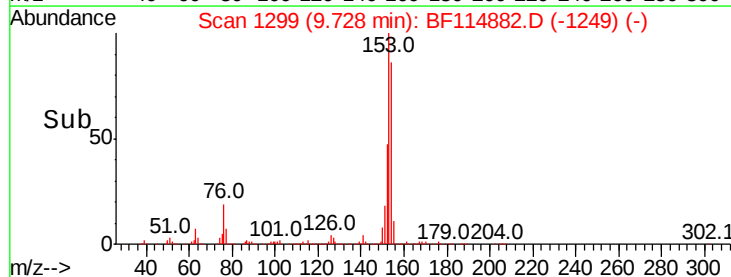
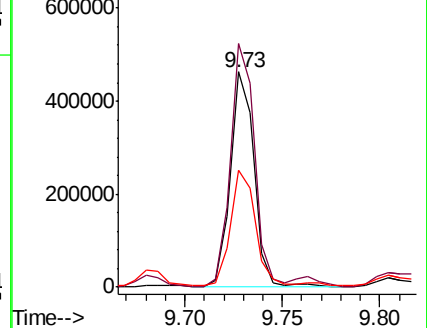
152 54.1 44.1 66.1

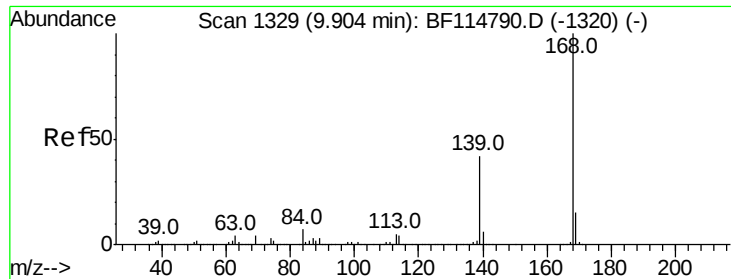


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

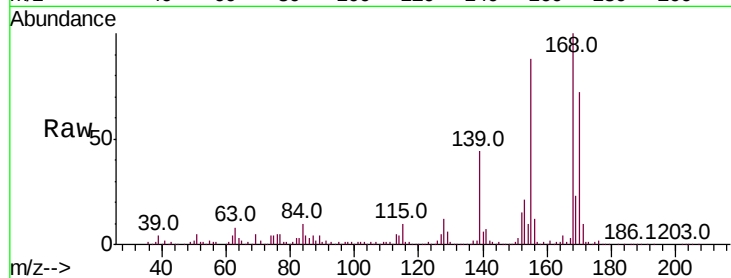




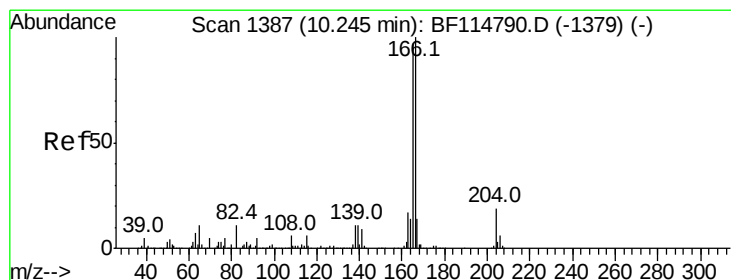
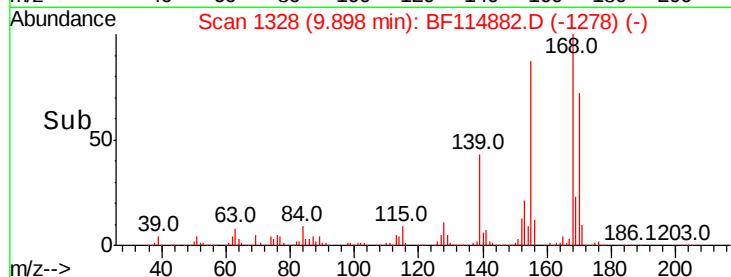
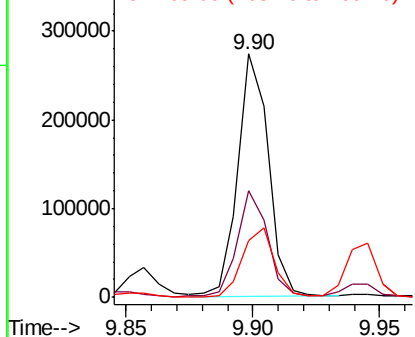
#55
Dibenzenofuran
Concen: 4.855 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF114882.D
Acq: 7 Jun 2019 00:15

Instrument :
BNA_F
ClientSampleId :
TRIANGLEDL

Tot Ion	Ratio	Lower	Upper
168	100		
139	43.6	33.8	50.6
169	23.3	11.9	17.9

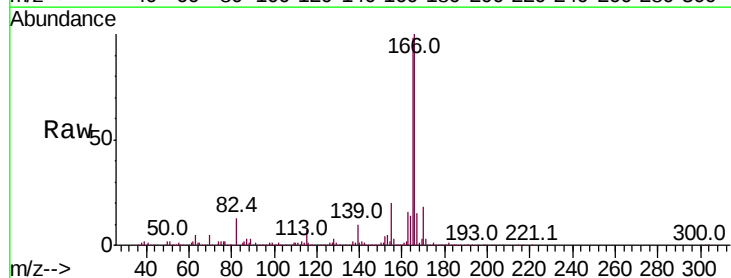


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

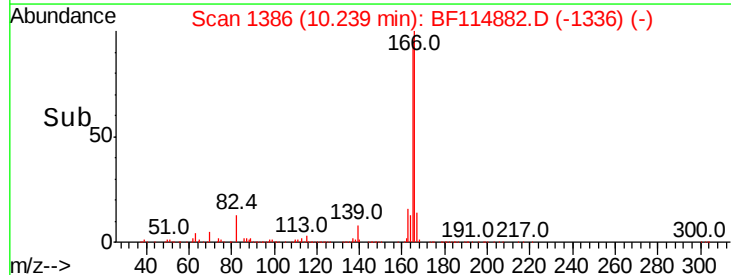
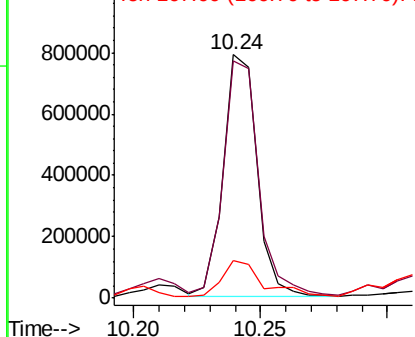


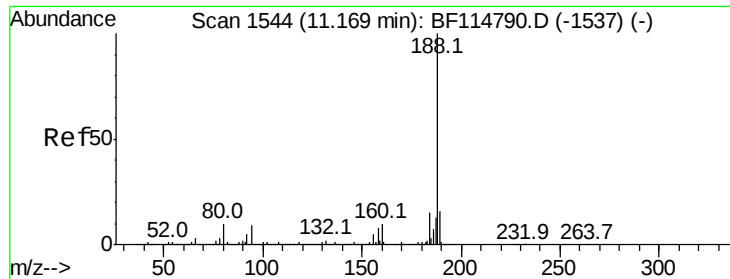
#58
Fluorene
Concen: 19.000 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BF114882.D
Acq: 7 Jun 2019 00:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.9	116.9
167	15.4	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: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

BNA_F

ClientSampleId :

TRIANGLEDL

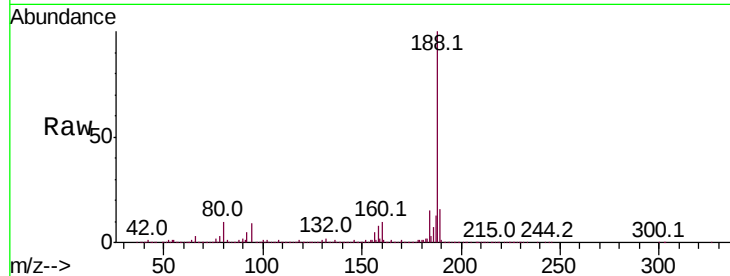
Tot Ion:188 Resp: 938388

Ion Ratio Lower Upper

188 100

94 9.4 7.6 11.4

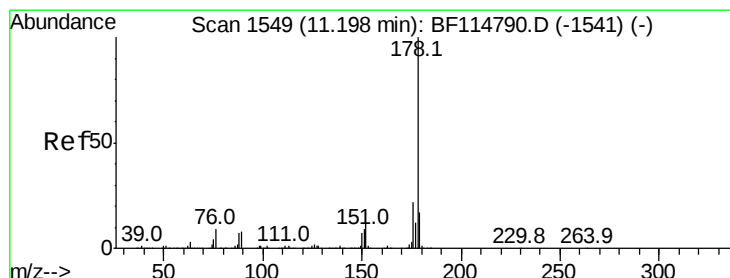
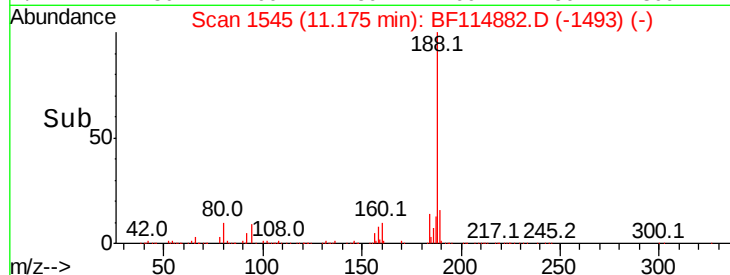
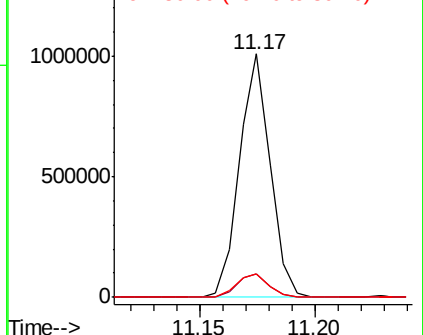
80 9.7 8.3 12.5



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: 83.964 ng

RT: 11.20 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

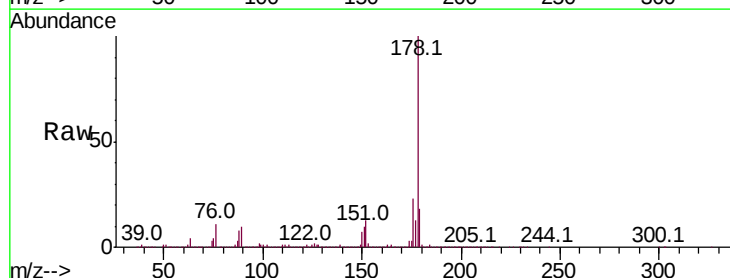
Tgt Ion:178 Resp: 3761373

Ion Ratio Lower Upper

178 100

176 23.0 17.7 26.5

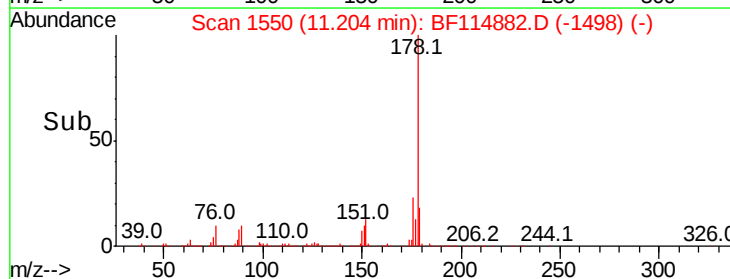
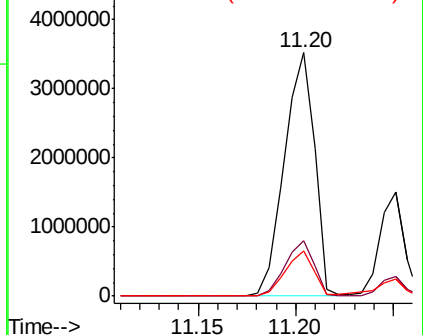
179 18.4 13.7 20.5

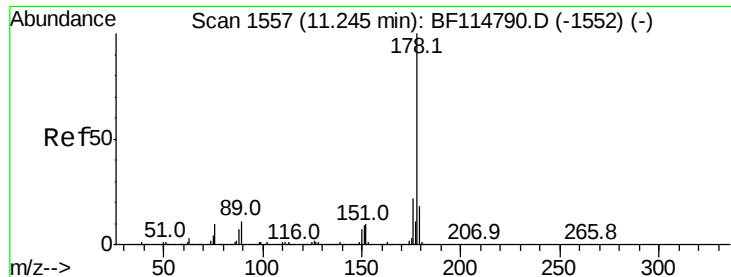


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 26.707 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

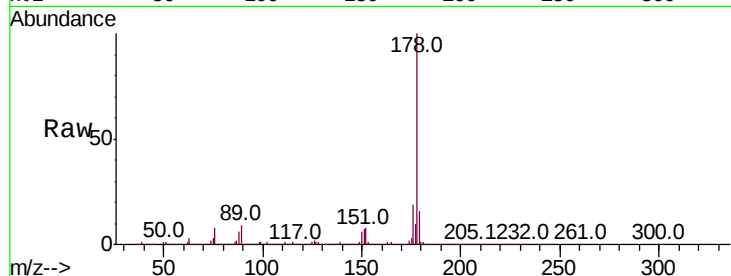
BNA_F

ClientSampleId :

TRIANGLEDL

Tot Ion:178 Resp: 1259087

Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.4	26.0
179	16.0	14.2	21.4

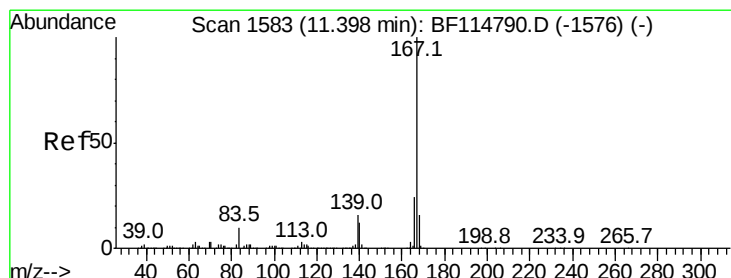
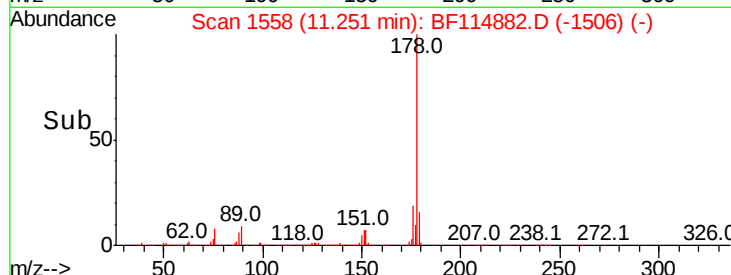
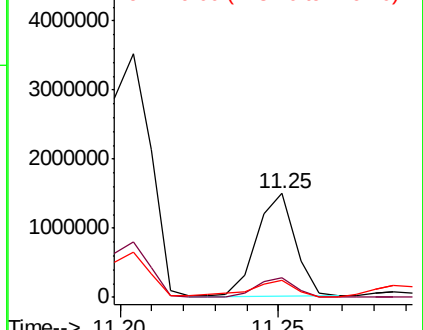


Abundance

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



#73

Carbazole

Concen: 3.082 ng

RT: 11.40 min Scan# 1583

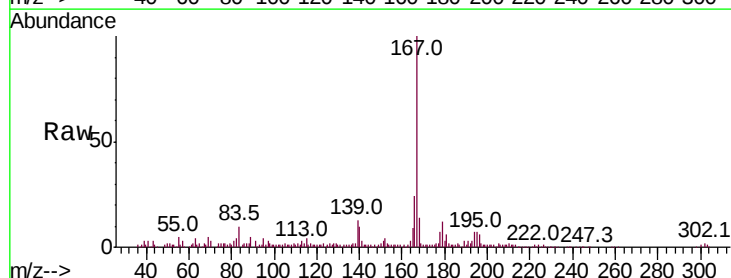
Delta R.T. 0.00 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Tgt Ion:167 Resp: 124568

Ion	Ratio	Lower	Upper
167	100		
166	24.0	19.1	28.7
139	13.4	12.4	18.6

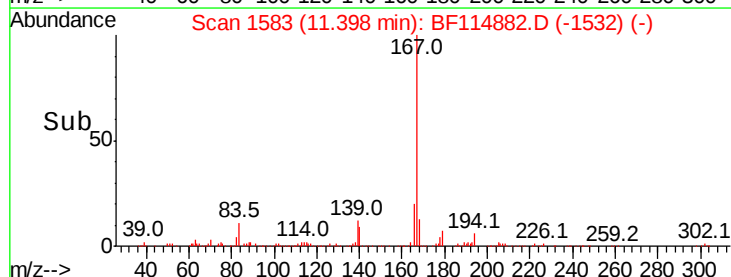
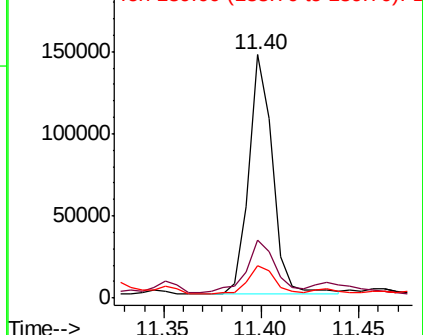


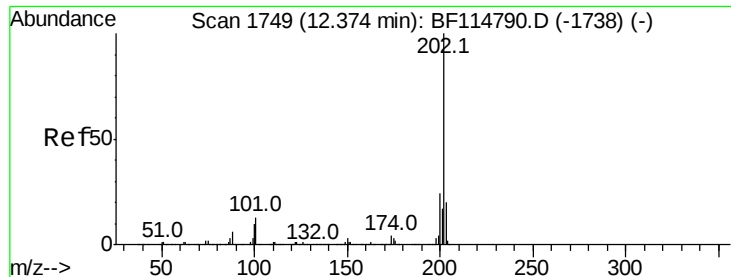
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 70.892 ng

RT: 12.39 min Scan# 1751

Delta R.T. 0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

BNA_F

ClientSampleId :

TRIANGLEDL

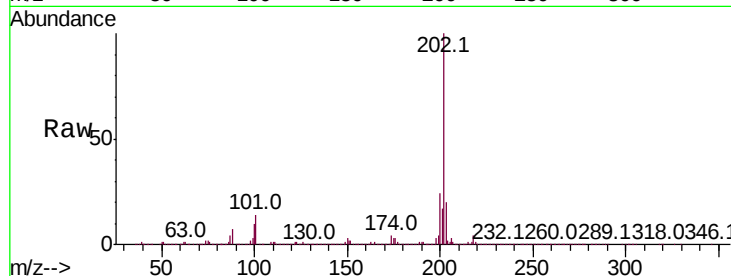
Tot Ion:202 Resp: 3305403

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	32.8
203	20.4	0.2	40.2

202 100

101 13.9 0.0 32.8

203 20.4 0.2 40.2

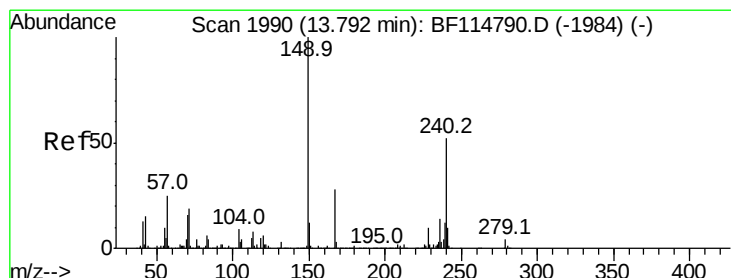
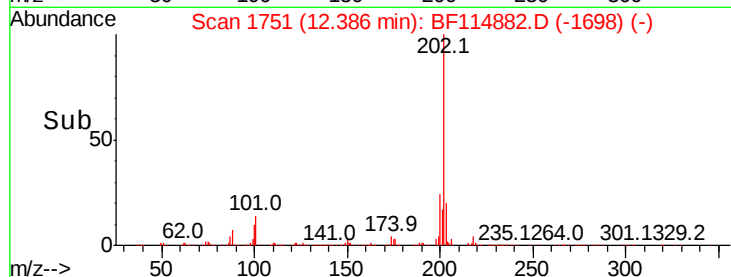
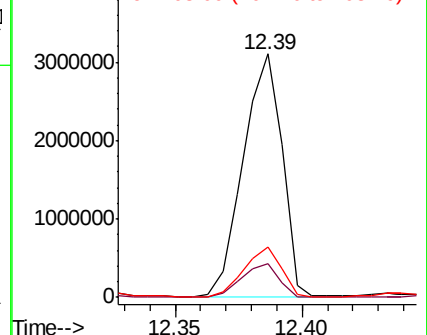


Abundance

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# 1992

Delta R.T. 0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

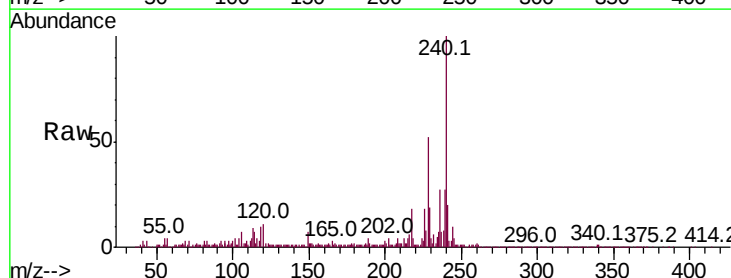
Tgt Ion:240 Resp: 573043

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.4
236	27.3	21.4	32.0

240 100

120 11.3 9.0 13.4

236 27.3 21.4 32.0

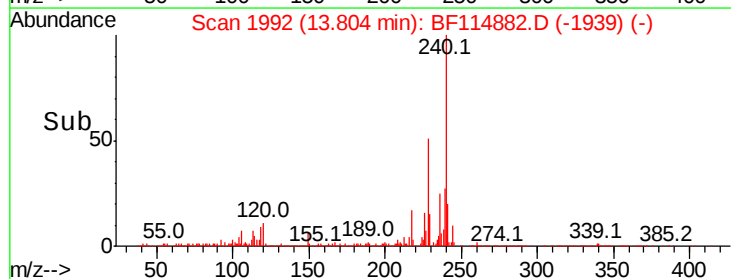
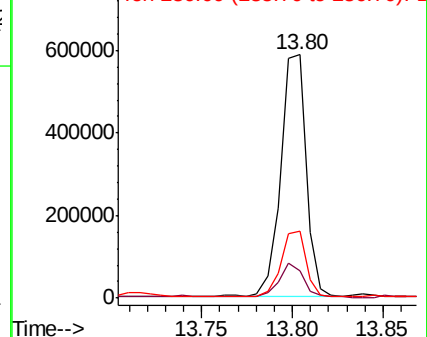


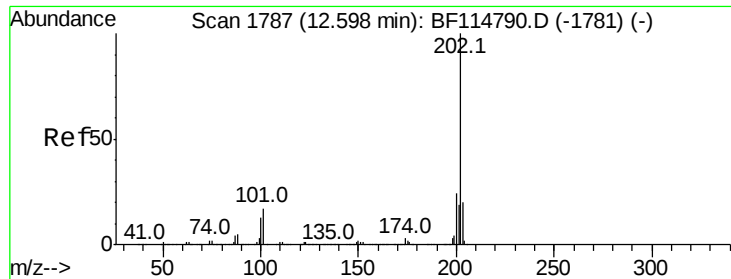
Abundance

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: 74.257 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.02 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

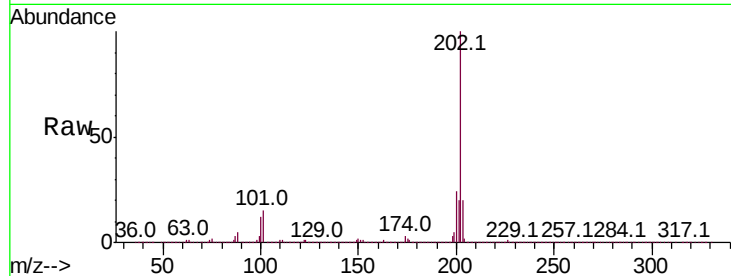
BNA_F

ClientSampleId :

TRIANGLEDL

Tot Ion:202 Resp: 3691466

Ion	Ratio	Lower	Upper
202	100		
200	24.5	19.2	28.8
203	19.8	15.9	23.9



Abundance

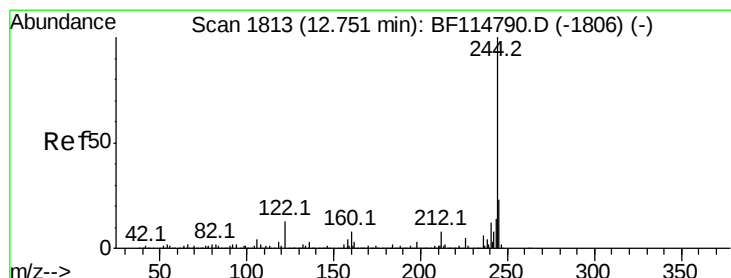
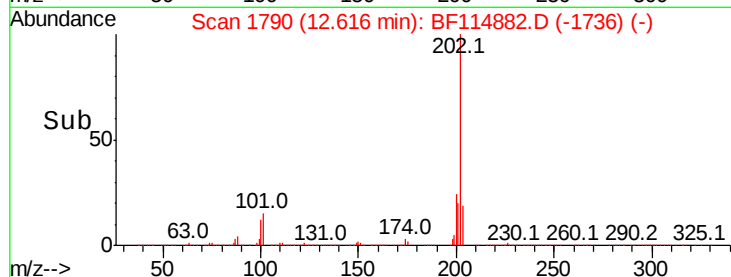
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.62

Time-->



#79

Terphenyl-d14

Concen: 35.636 ng

RT: 12.75 min Scan# 1813

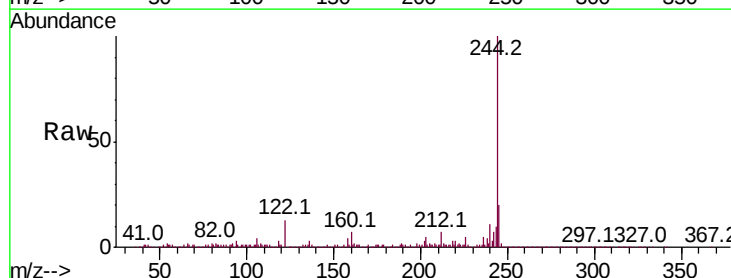
Delta R.T. 0.00 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Tgt Ion:244 Resp: 1050064

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.5	9.7
122	13.2	10.5	15.7



Abundance

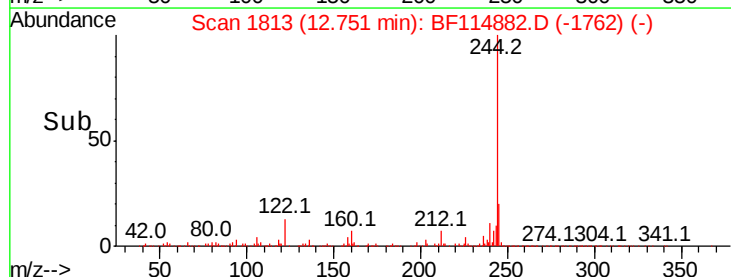
Ion 244.00 (243.70 to 244.70): E

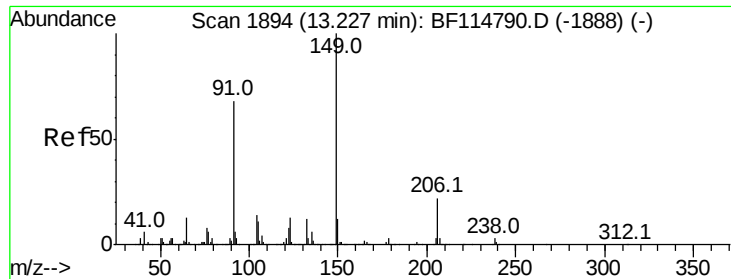
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.75

Time-->

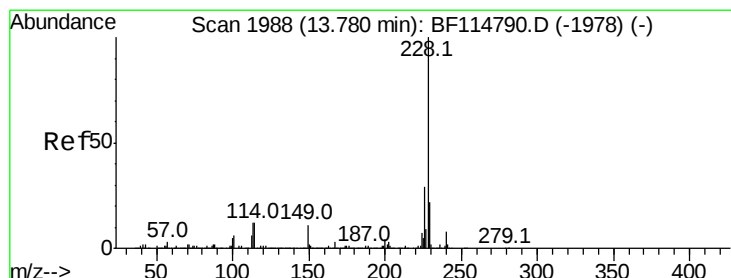
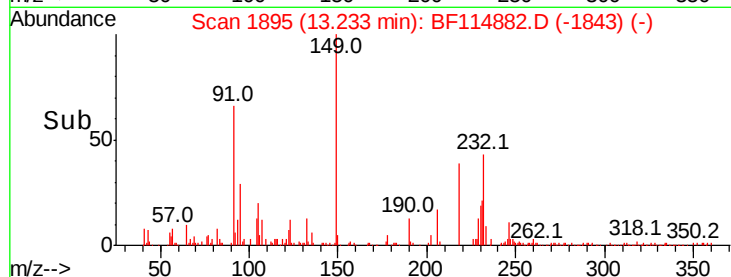
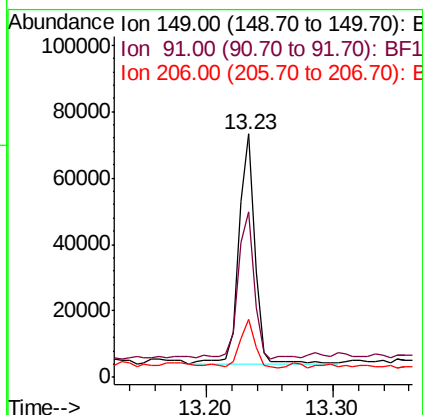
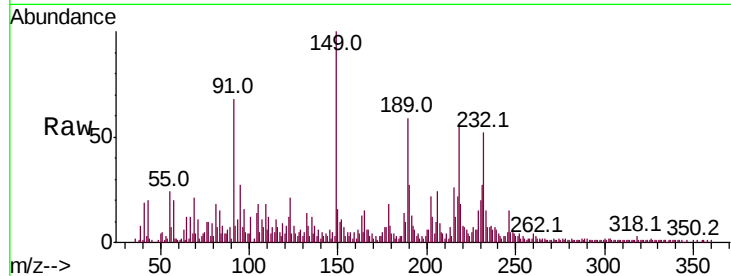




#80
Butylbenzylphthalate
Concen: 2.367 ng
RT: 13.23 min Scan# 1895
Delta R.T. 0.01 min
Lab File: BF114882.D
Acq: 7 Jun 2019 00:15

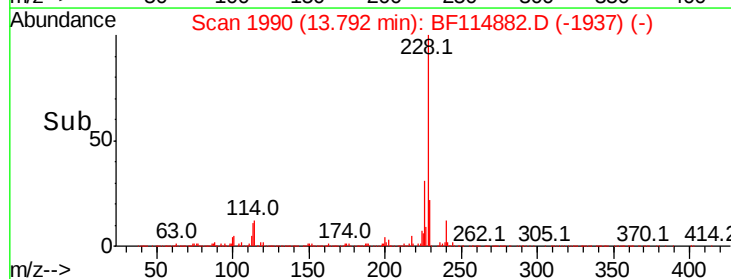
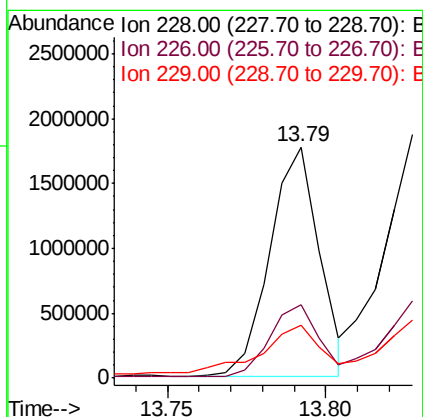
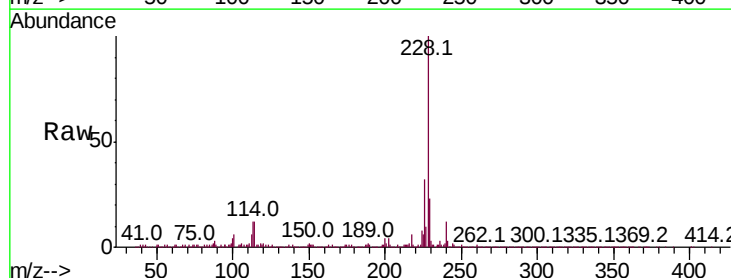
Instrument :
BNA_F
ClientSampleId :
TRIANGLEDL

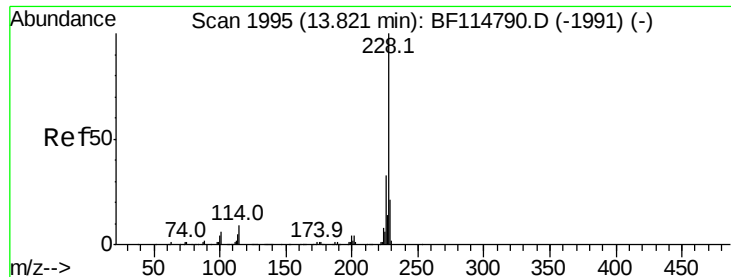
Tot Ion:149 Resp: 59416
Ion Ratio Lower Upper
149 100
91 68.0 54.6 82.0
206 23.7 17.2 25.8



#81
Benzo(a)anthracene
Concen: 43.512 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.01 min
Lab File: BF114882.D
Acq: 7 Jun 2019 00:15

Tgt Ion:228 Resp: 1921417
Ion Ratio Lower Upper
228 100
226 31.8 23.4 35.2
229 22.8 17.4 26.0





#83

Chrysene

Concen: 44.707 ng

RT: 13.83 min Scan# 1996

Delta R.T. 0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

BNA_F

ClientSampleId :

TRIANGLEDL

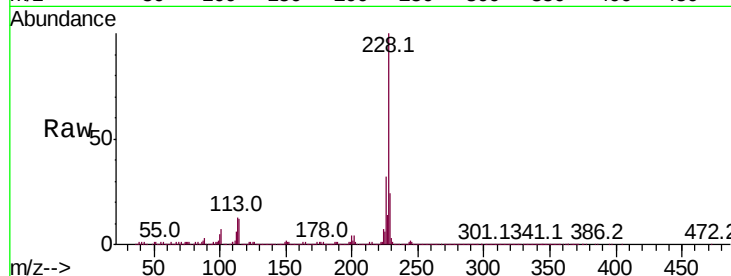
Tot Ion:228 Resp: 1920486

Ion Ratio Lower Upper

228 100

226 31.7 26.0 39.0

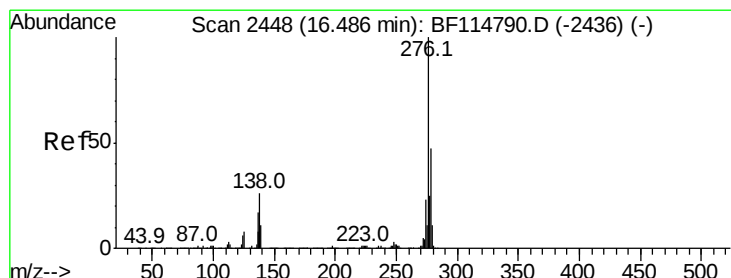
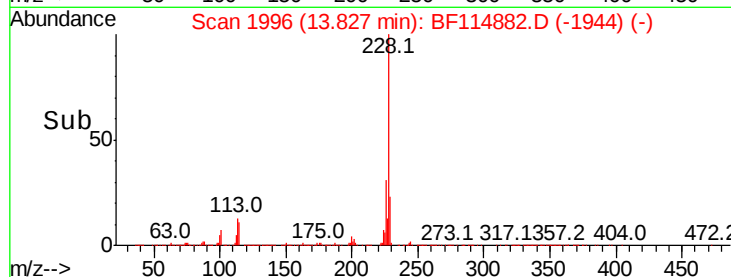
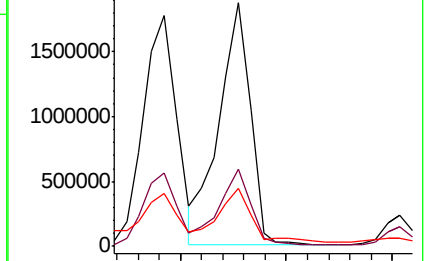
229 23.9 17.1 25.7



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 12.606 ng

RT: 16.50 min Scan# 2450

Delta R.T. 0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

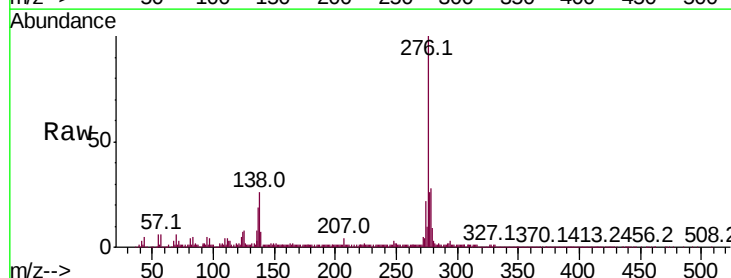
Tgt Ion:276 Resp: 617857

Ion Ratio Lower Upper

276 100

138 25.4 22.2 33.4

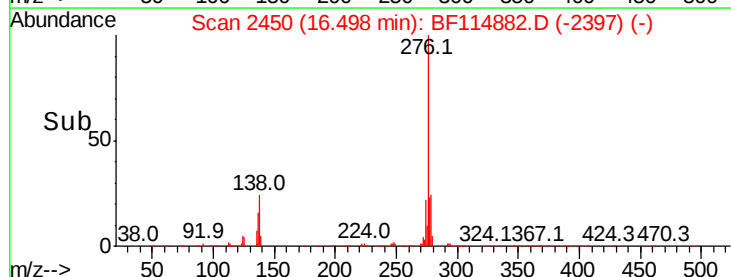
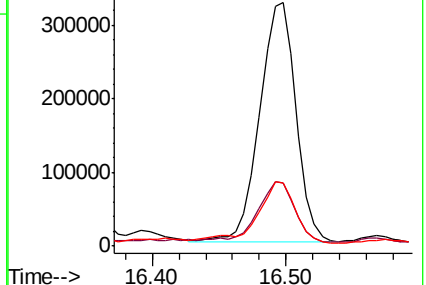
277 27.4 20.6 30.8

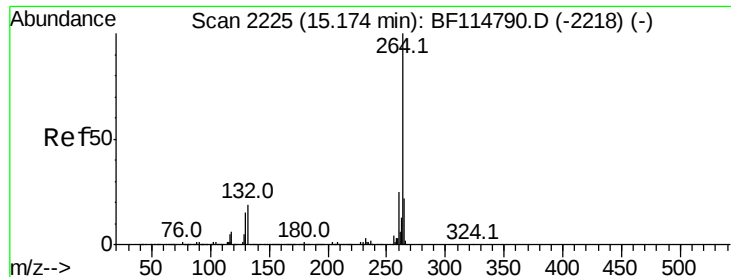


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



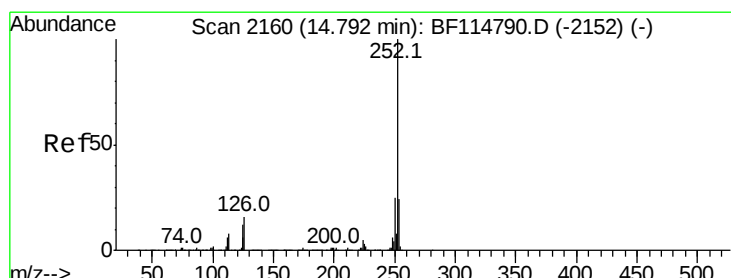
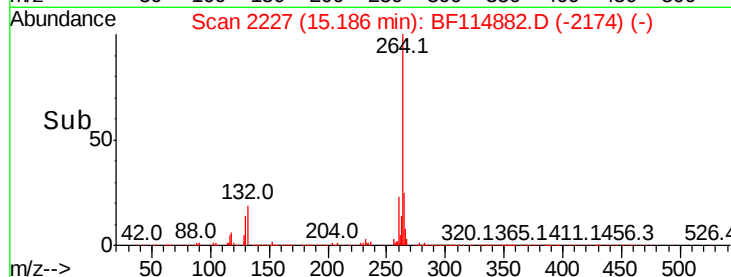
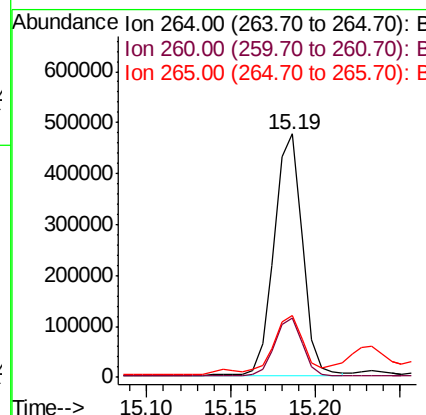
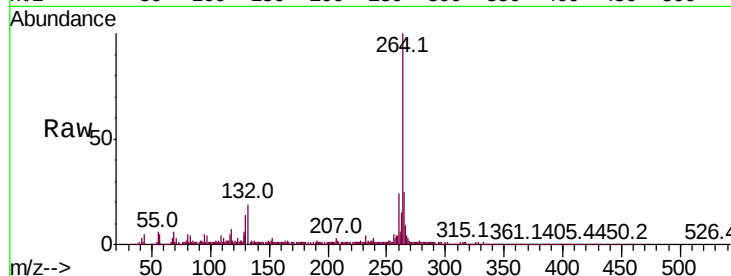


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.01 min
Lab File: BF114882.D
Acq: 7 Jun 2019 00:15

Instrument :
BNA_F
ClientSampleId :
TRIANGLEDL

Tot Ion:264 Resp: 556012

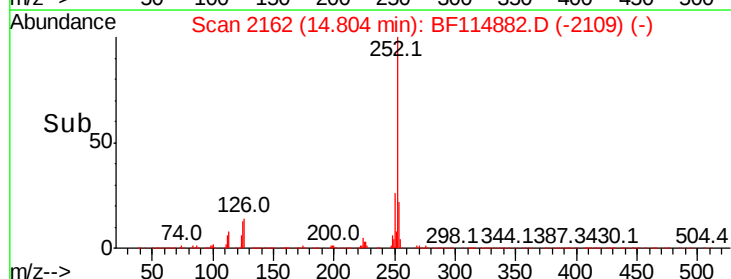
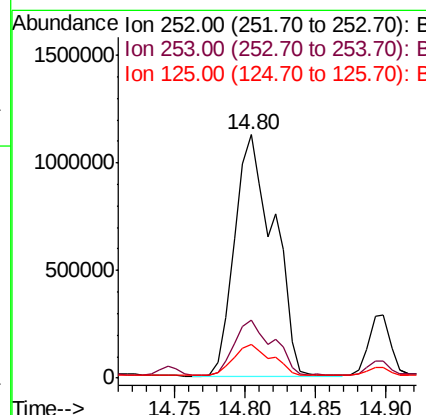
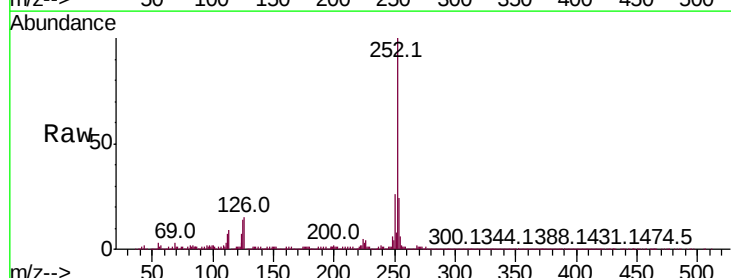
Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	25.3	17.7	26.5

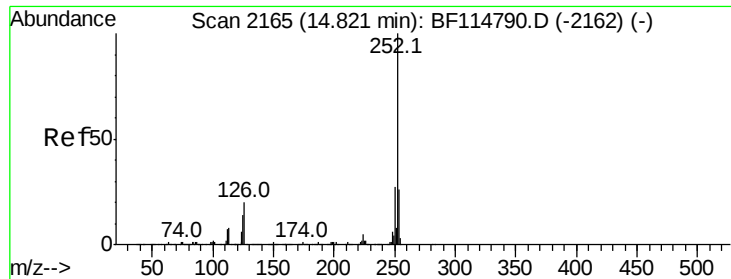


#88
Benzo(b)fluoranthene
Concen: 61.671 ng
RT: 14.80 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BF114882.D
Acq: 7 Jun 2019 00:15

Tgt Ion:252 Resp: 2182936

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.0	28.6
125	13.7	9.4	14.0

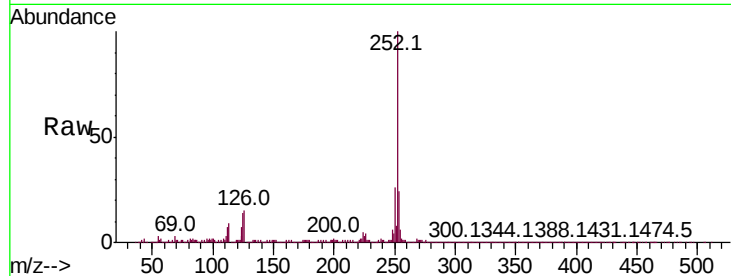




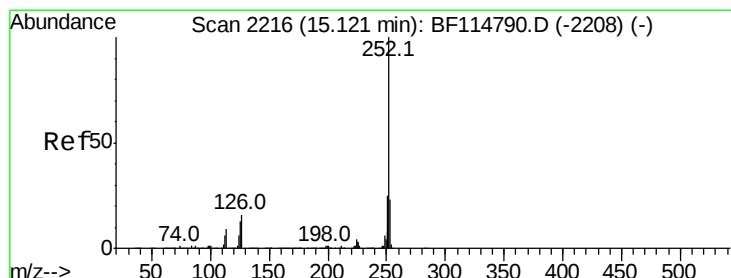
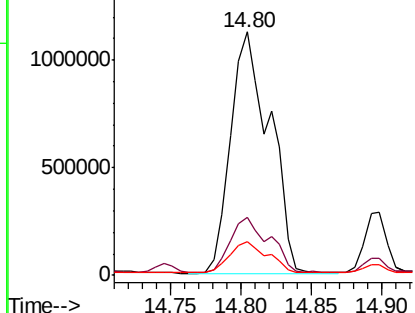
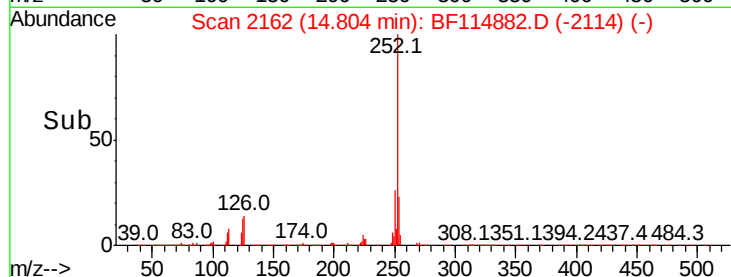
#89
Benzo(k)fluoranthene
Concen: 72.621 ng
RT: 14.80 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF114882.D
Acq: 7 Jun 2019 00:15

Instrument :
BNA_F
ClientSampleId :
TRIANGLEDL

Tot Ion:252 Resp: 2182936
Ion Ratio Lower Upper
252 100
253 23.9 19.3 28.9
125 13.7 10.1 15.1

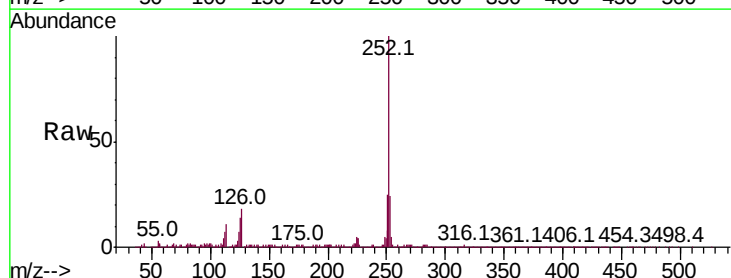


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

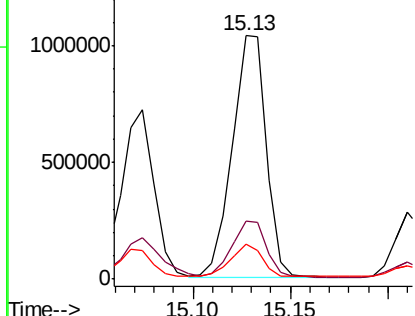
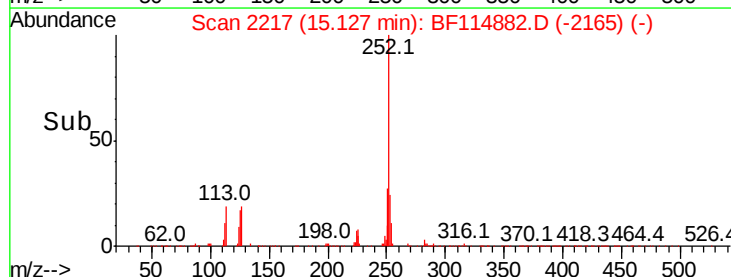


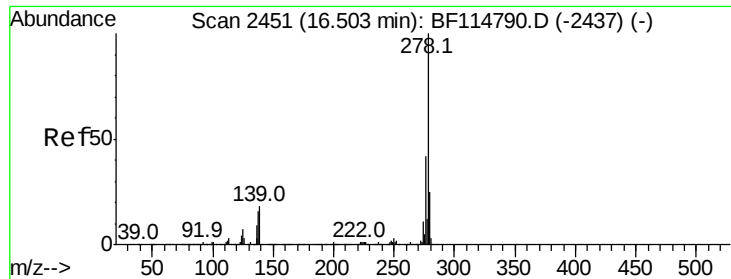
#90
Benzo(a)pyrene
Concen: 40.645 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF114882.D
Acq: 7 Jun 2019 00:15

Tgt Ion:252 Resp: 1245235
Ion Ratio Lower Upper
252 100
253 23.9 18.5 27.7
125 14.1 10.1 15.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 6.573 ng

RT: 16.50 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

Instrument :

BNA_F

ClientSampleId :

TRIANGLEDL

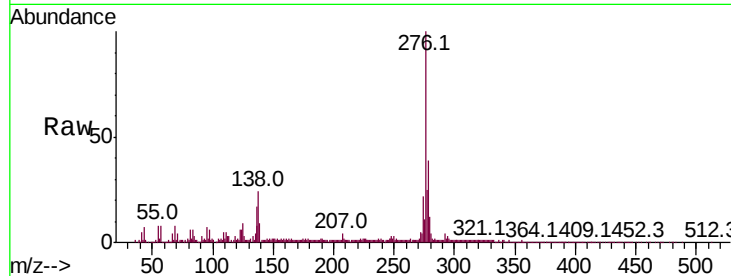
Tot Ion:278 Resp: 190700

Ion Ratio Lower Upper

278 100

139 23.1 14.6 22.0#

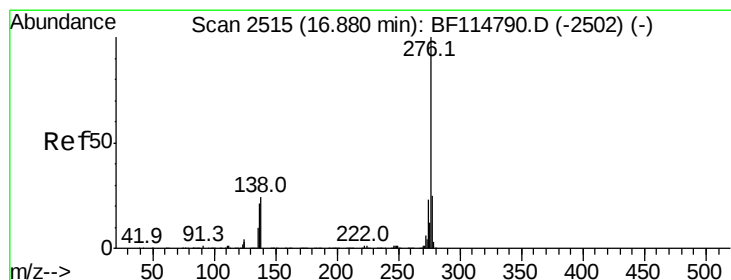
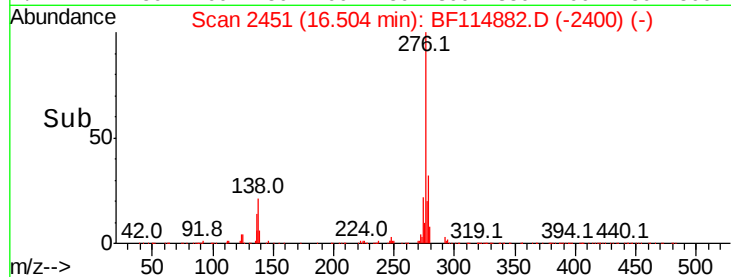
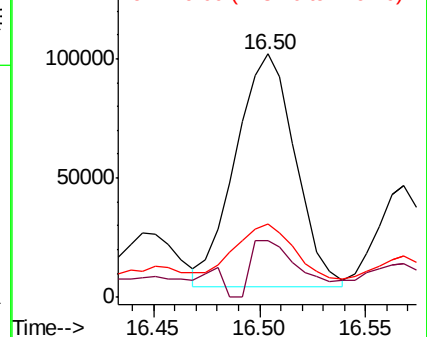
279 30.2 20.1 30.1#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 20.088 ng

RT: 16.89 min Scan# 2517

Delta R.T. 0.01 min

Lab File: BF114882.D

Acq: 7 Jun 2019 00:15

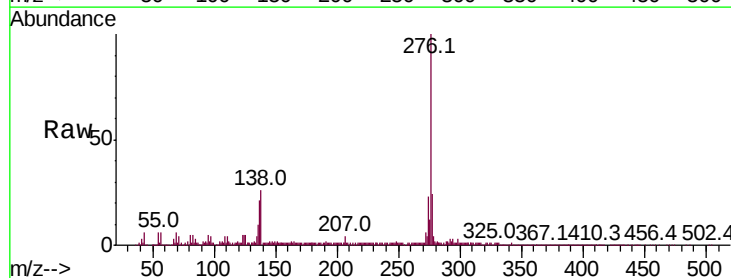
Tgt Ion:276 Resp: 586101

Ion Ratio Lower Upper

276 100

277 24.3 19.8 29.6

138 25.8 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

