

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116032.D
 Acq On : 6 Aug 2019 23:49
 Operator : HP/JU
 Sample : K4124-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15

Quant Time: Aug 07 05:48:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	124715	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	473824	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	243109	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	394430	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	279500	20.00	ng	-0.02
87) Perylene-d12	15.46	264	345488	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	882750	118.49	ng	0.01
7) Phenol-d6	6.48	99	1013896	107.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	797026	97.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	315991	134.06	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1386803	106.85	ng	-0.02
79) Terphenyl-d14	12.95	244	1299963	98.00	ng	-0.02

Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.29	42	107	0.026	ng	# 1
6) Aniline	6.62	93	1415	0.105	ng	# 1
9) Benzaldehyde	6.48	77	1462	0.225	ng	# 1
10) Phenol	6.49	94	3837	0.347	ng	# 1
11) bis(2-Chloroethyl)ether	6.62	93	1415	0.174	ng	# 1
15) Benzyl Alcohol	7.00	79	12835	1.799	ng	# 42
16) 2,2'-oxybis(1-Chloropropan	7.13	45	399	0.036	ng	# 65
18) Hexachloroethane	7.41	117	141	0.040	ng	# 1
22) Acetophenone	7.26	105	747	0.072	ng	# 59
24) Nitrobenzene	7.40	77	2442	0.276	ng	# 34
31) Naphthalene	8.15	128	719	0.032	ng	# 68
37) 2-Methylnaphthalene	8.85	142	1170	0.080	ng	# 99
38) 1-Methylnaphthalene	8.93	142	657	0.047	ng	# 99
46) 1,1'-Biphenyl	9.30	154	2668	0.155	ng	# 89
48) 2-Nitroaniline	9.20	65	2309	0.489	ng	# 1
50) Dimethylphthalate	9.59	163	8886	0.537	ng	# 98
52) Acenaphthene	9.90	154	226	0.018	ng	# 74
58) Fluorene	10.66	166	13165	0.920	ng	# 87
60) Diethylphthalate	10.29	149	542	0.035	ng	# 58
63) Azobenzene	10.66	77	1545	0.097	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.66	198	517	0.247	ng	# 1
66) n-Nitrosodiphenylamine	10.66	169	9449	0.796	ng	# 44
71) Phenanthrene	11.39	178	786	0.039	ng	# 59
72) Anthracene	11.39	178	786	0.039	ng	# 60
74) Di-n-butylphthalate	11.92	149	1602	0.074	ng	# 77
75) Fluoranthene	12.58	202	446	0.021	ng	# 64
77) Benzidine	12.95	184	18072	1.914	ng	# 97
78) Pyrene	12.81	202	294	0.014	ng	# 56
80) Butylbenzylphthalate	13.39	149	128	0.014	ng	# 75
81) Benzo(a)anthracene	14.00	228	1115	0.062	ng	# 28
83) Chrysene	14.00	228	1115	0.064	ng	# 28
85) Di-n-octyl phthalate	14.58	149	290	0.016	ng	# 1
88) Benzo(b)fluoranthene	14.84	252	107	0.005	ng	# 1
89) Benzo(k)fluoranthene	14.84	252	107	0.005	ng	# 1

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QLast Update : Wed Jul 31 15:31:51 2019
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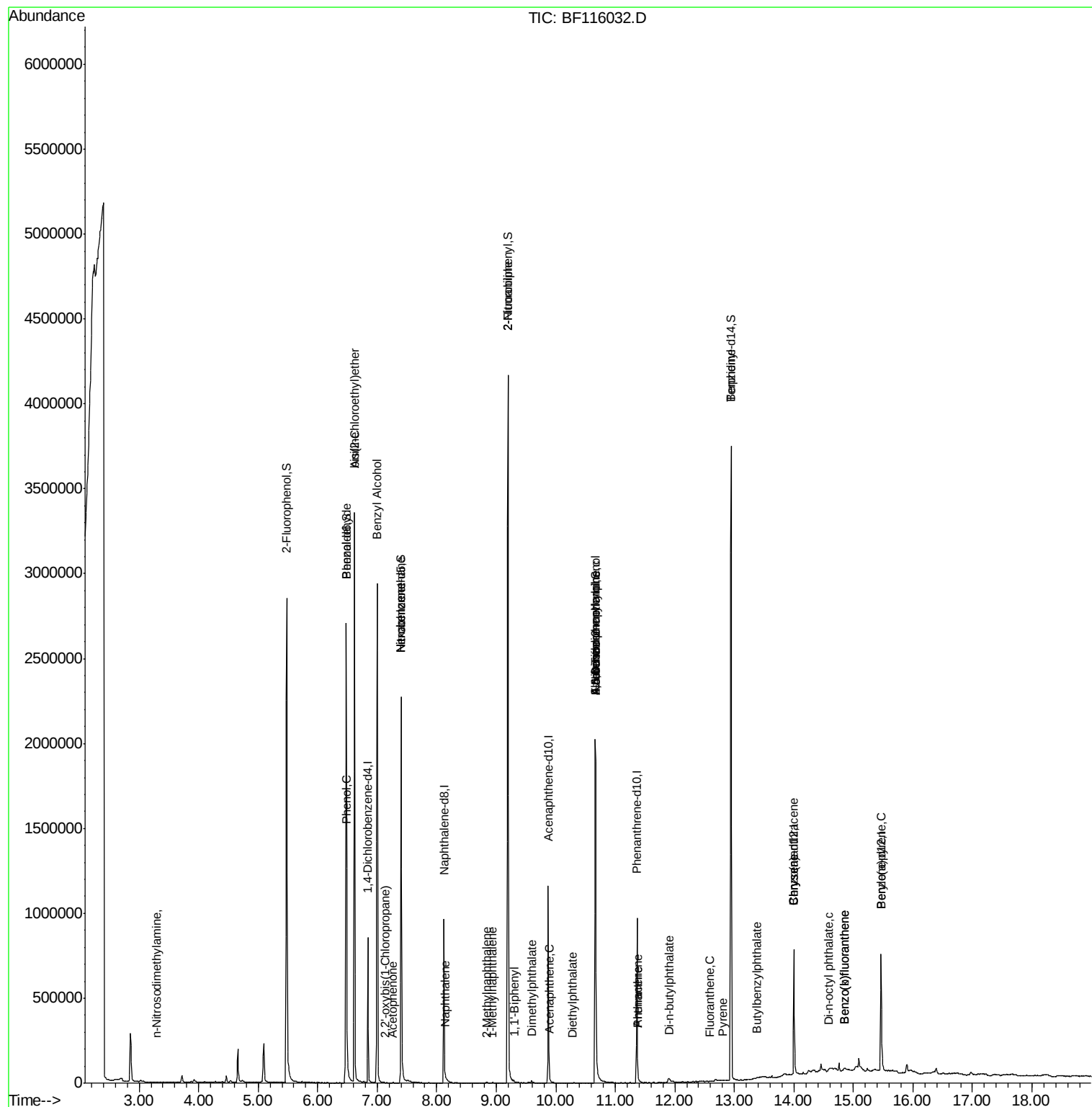
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	15.47	252	1326	0.074	ng	# 1

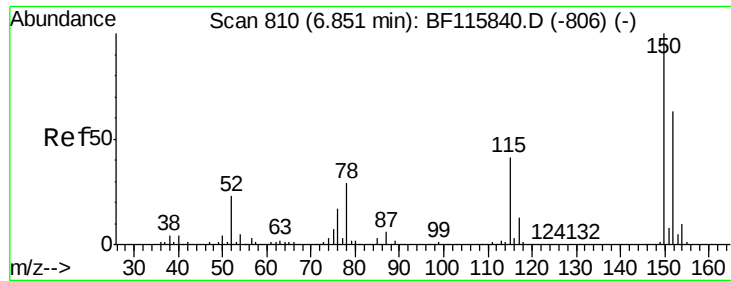
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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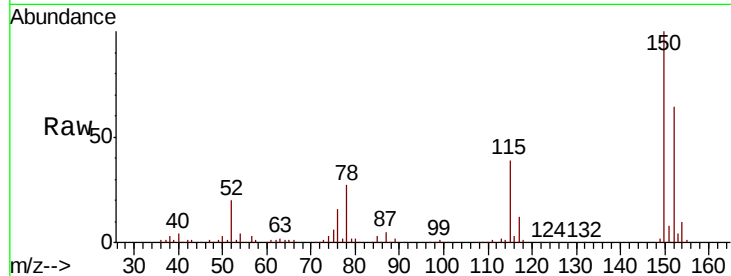


#1

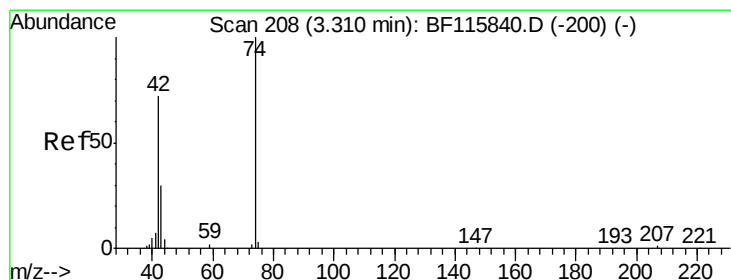
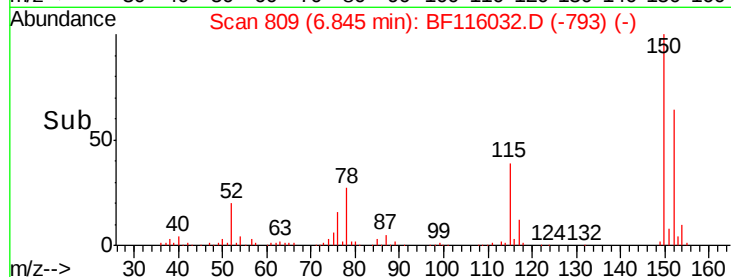
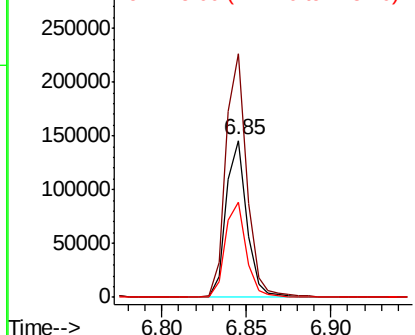
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116032.D
Acq: 6 Aug 2019 23:49

Instrument :
BNA_F
ClientSampleId :
TP-15

Tot Ion:152 Resp: 124715
Ion Ratio Lower Upper
152 100
150 155.1 127.4 191.0
115 60.3 51.8 77.8



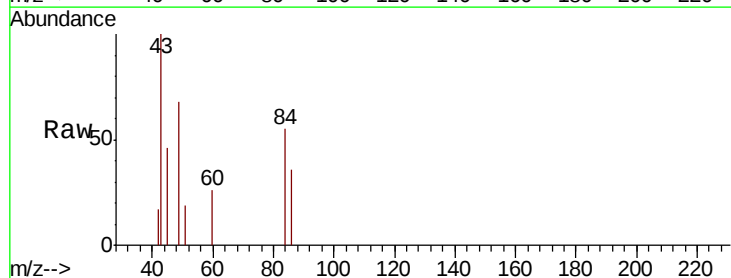
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



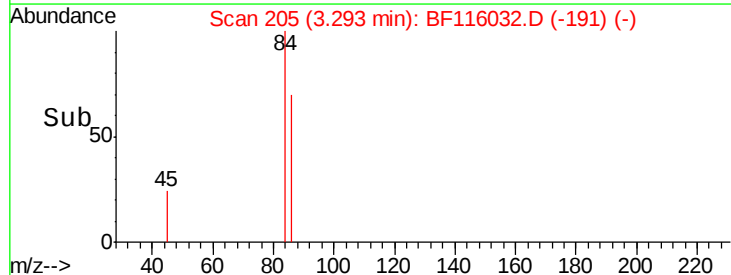
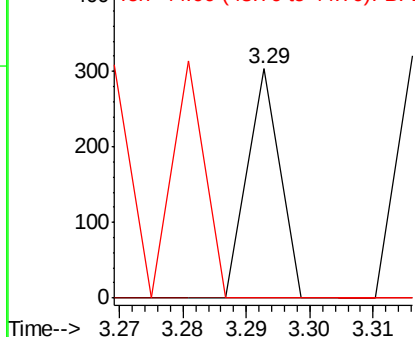
#4

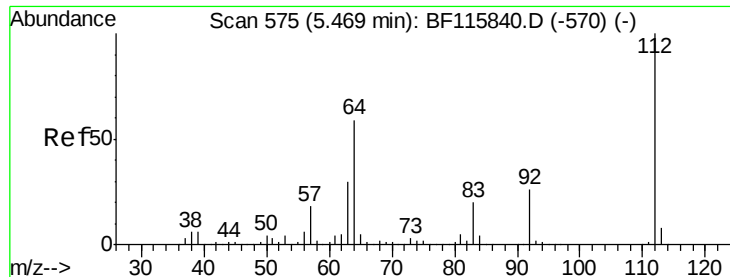
n-Nitrosodimethylamine
Concen: 0.026 ng
RT: 3.29 min Scan# 205
Delta R.T. -0.02 min
Lab File: BF116032.D
Acq: 6 Aug 2019 23:49

Tgt Ion: 42 Resp: 107
Ion Ratio Lower Upper
42 100
74 0.0 111.0 166.4#
44 0.0 4.7 7.1#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 118.492 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

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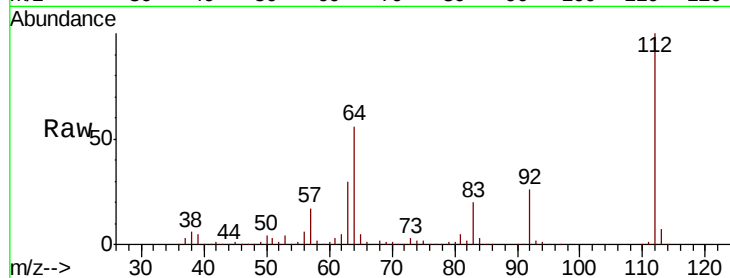
Tot Ion:112 Resp: 882750

Ion Ratio Lower Upper

112 100

64 56.2 46.8 70.2

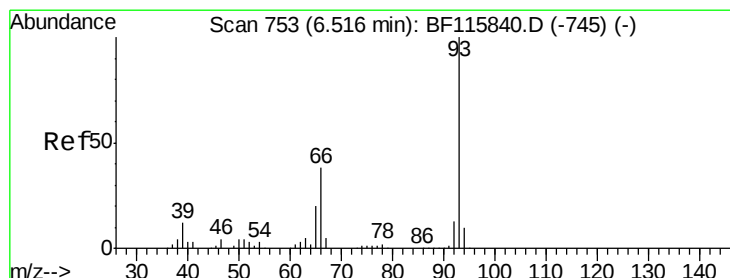
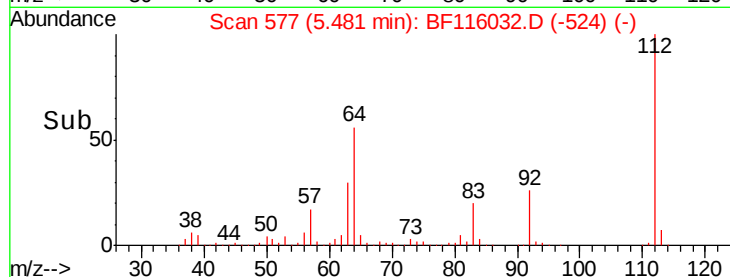
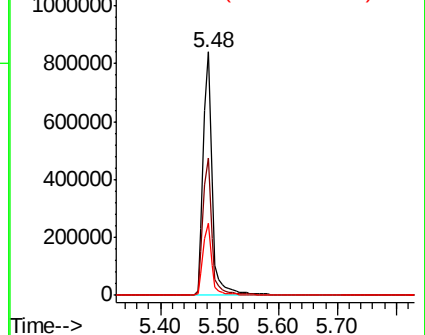
63 29.6 24.2 36.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.105 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.10 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

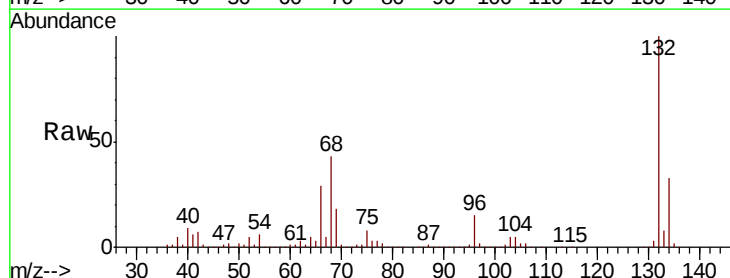
Tgt Ion: 93 Resp: 1415

Ion Ratio Lower Upper

93 100

66 18760.4 31.4 47.0#

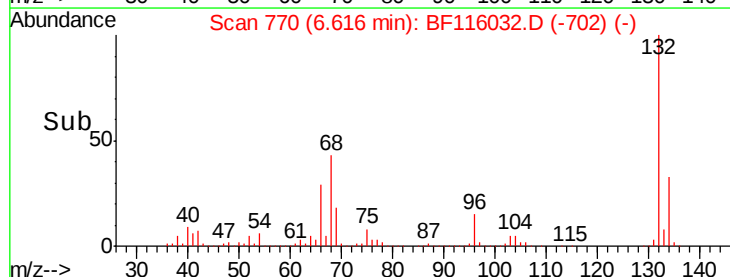
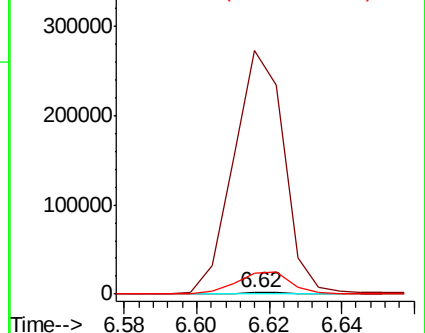
65 1626.9 16.5 24.7#

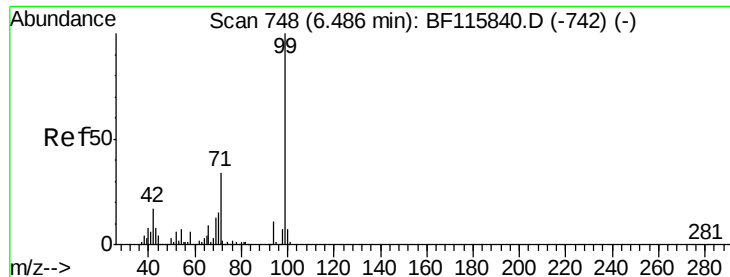


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 107.869 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

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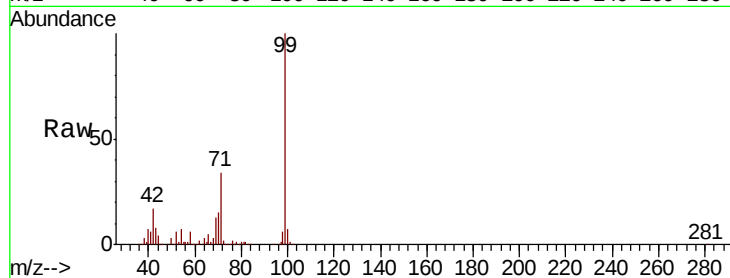
Tot Ion: 99 Resp: 1013896

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.6

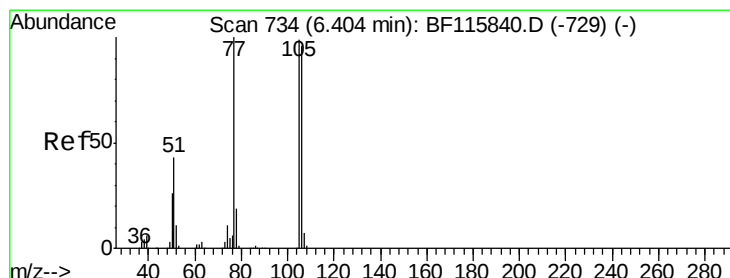
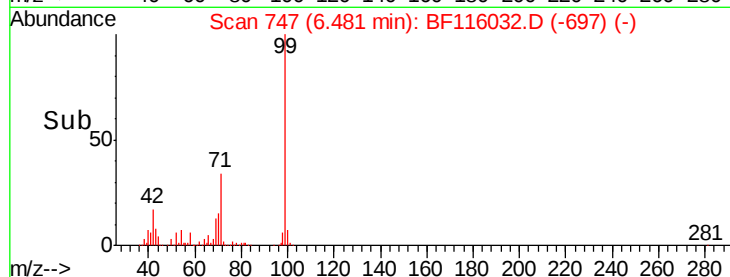
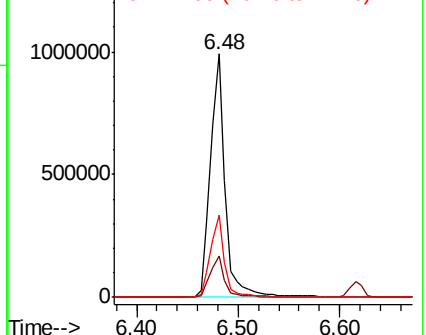
71 33.9 27.1 40.7



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



#9

Benzaldehyde

Concen: 0.225 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.08 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

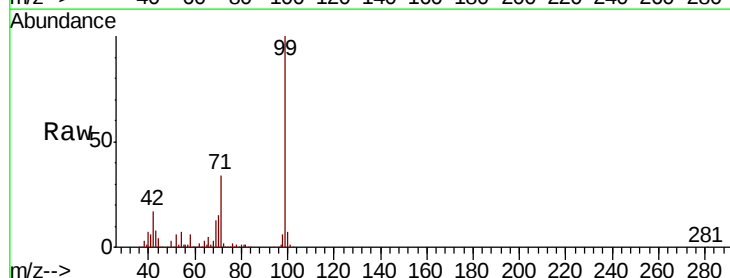
Tgt Ion: 77 Resp: 1462

Ion Ratio Lower Upper

77 100

105 0.0 79.0 119.0#

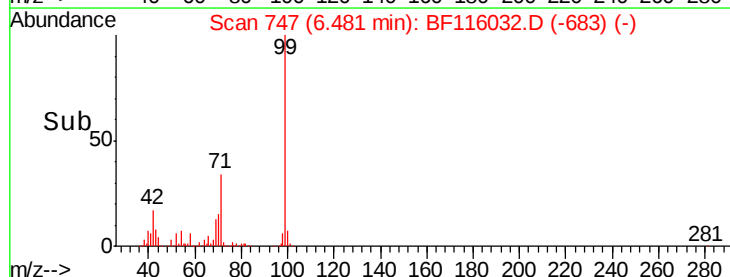
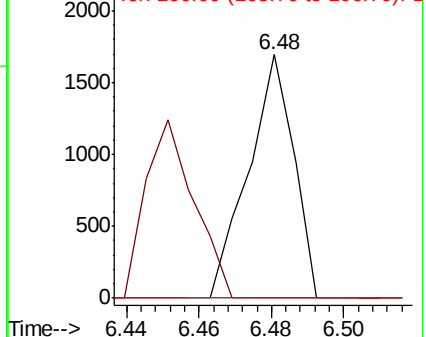
106 0.0 76.2 116.2#

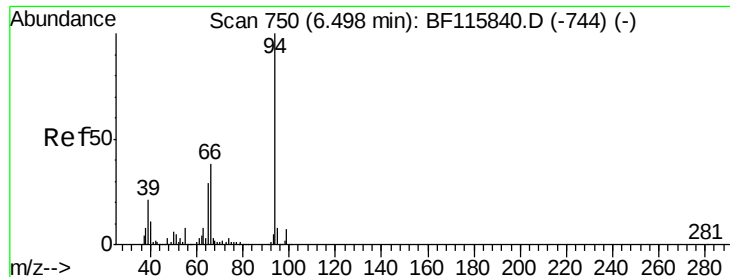


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.347 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

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ClientSampleId :

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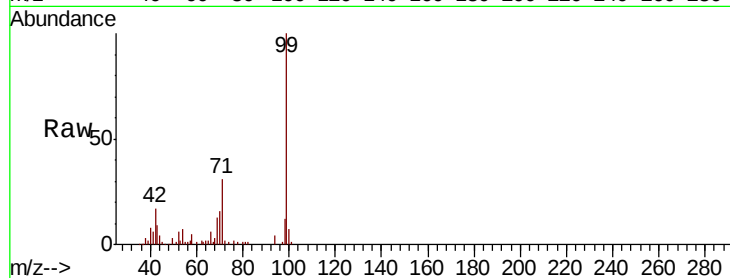
Tot Ion: 94 Resp: 3837

Ion Ratio Lower Upper

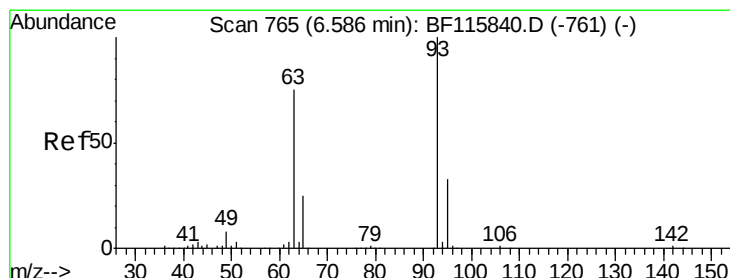
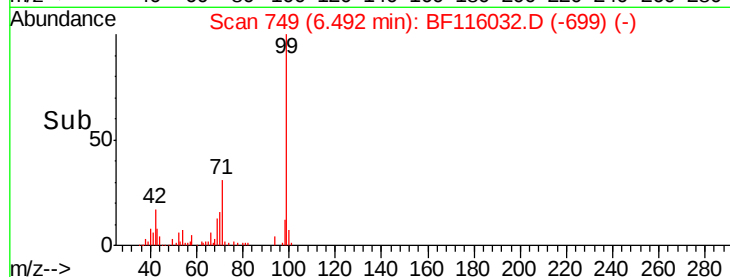
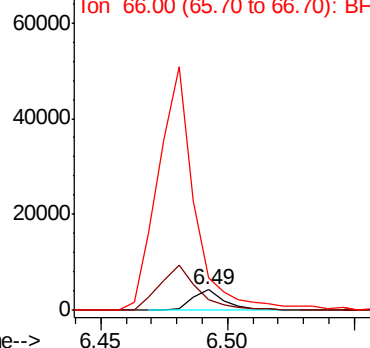
94 100

65 53.3 8.9 48.9#

66 156.4 18.0 58.0#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#11

bis(2-Chloroethyl)ether

Concen: 0.174 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.03 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

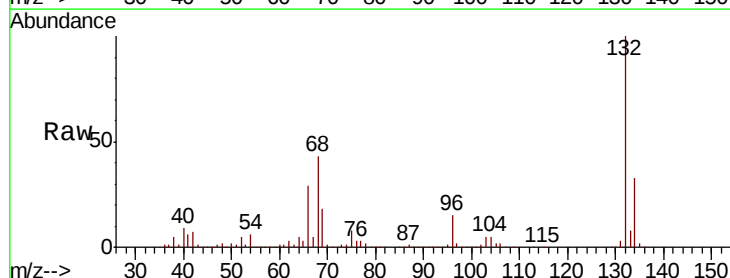
Tgt Ion: 93 Resp: 1415

Ion Ratio Lower Upper

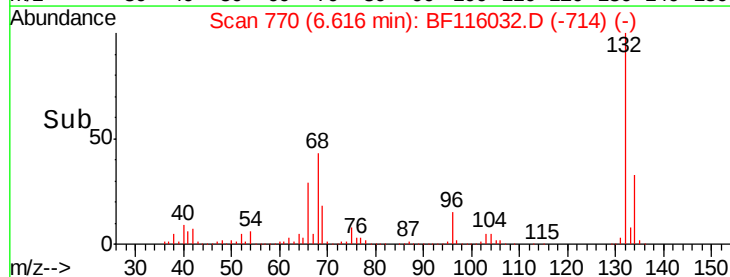
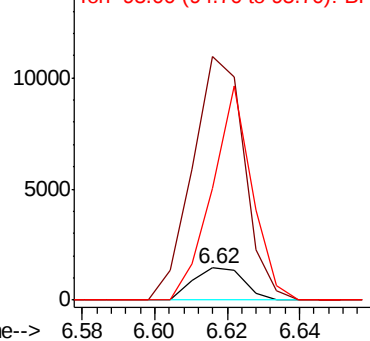
93 100

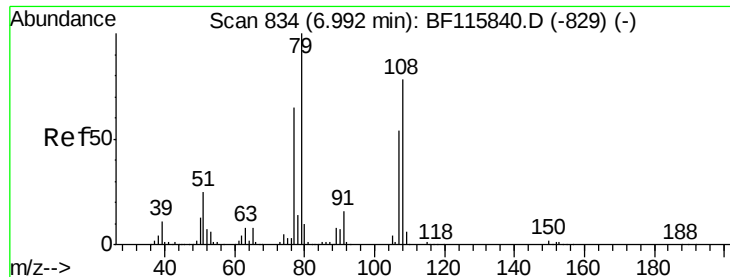
63 752.7 54.9 94.9#

95 346.0 13.3 53.3#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 1.799 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF116032.D

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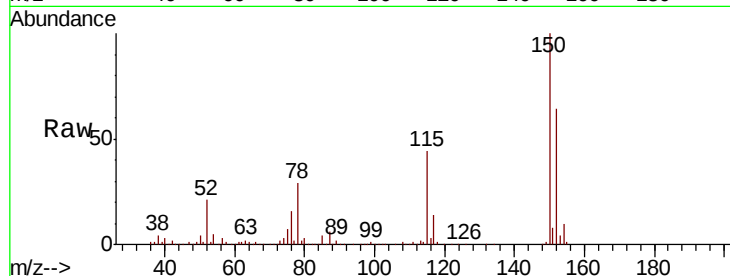
Tot Ion: 79 Resp: 12835

Ion Ratio Lower Upper

79 100

108 34.7 62.8 94.2#

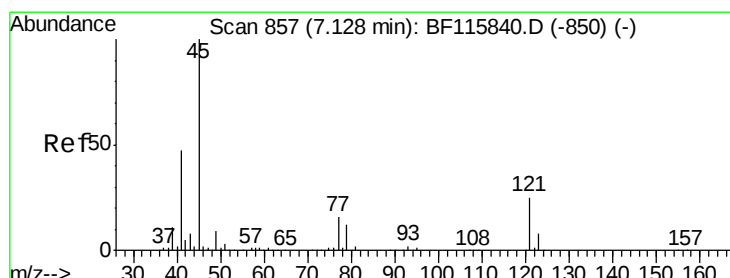
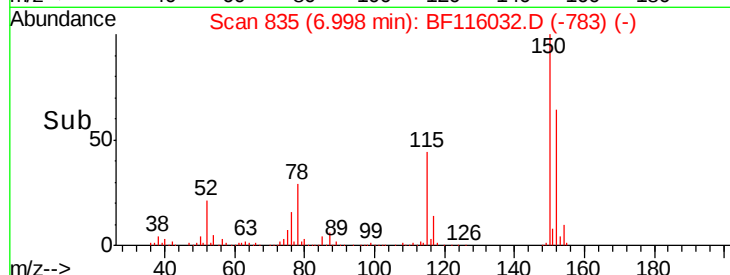
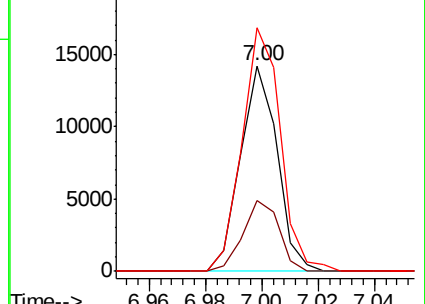
77 118.4 52.0 78.0#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.036 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.01 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

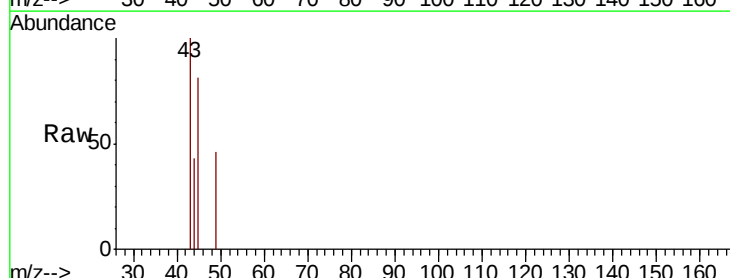
Tgt Ion: 45 Resp: 399

Ion Ratio Lower Upper

45 100

77 0.0 0.0 36.3

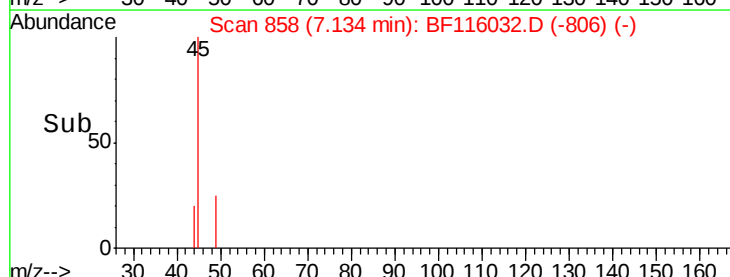
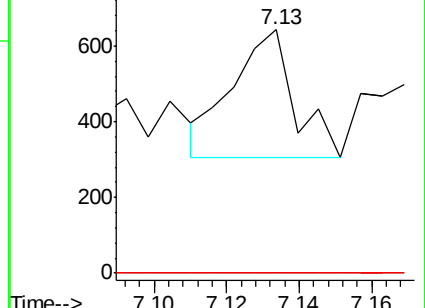
79 0.0 0.0 32.5

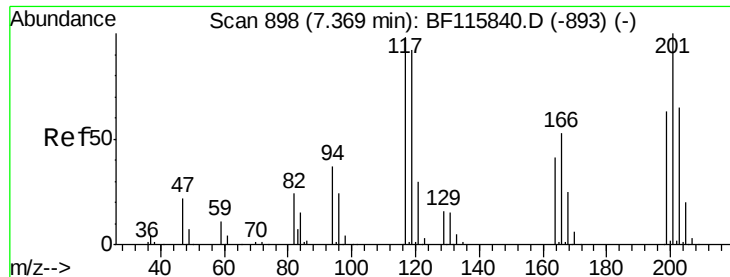


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

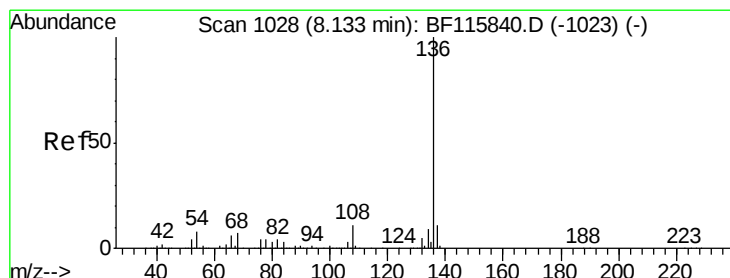
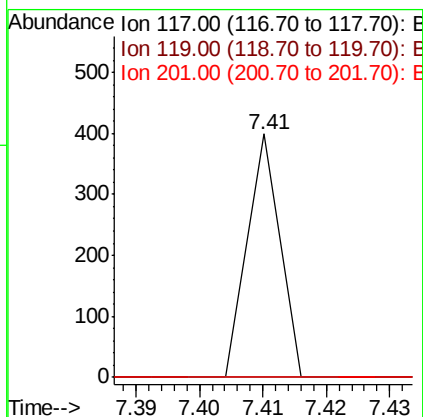
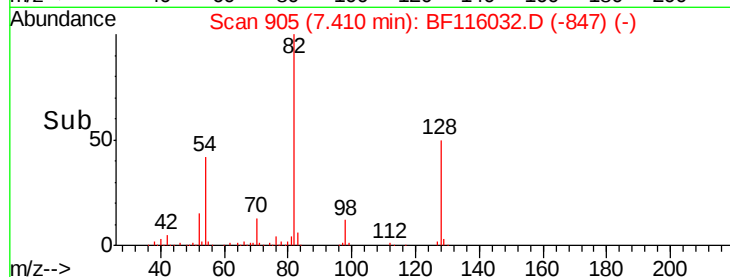
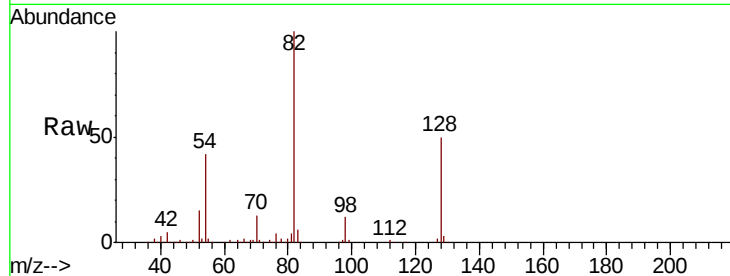




#18
Hexachloroethane
Concen: 0.040 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.04 min
Lab File: BF116032.D
Acq: 6 Aug 2019 23:49

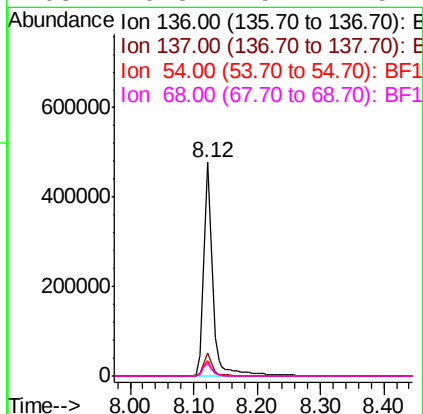
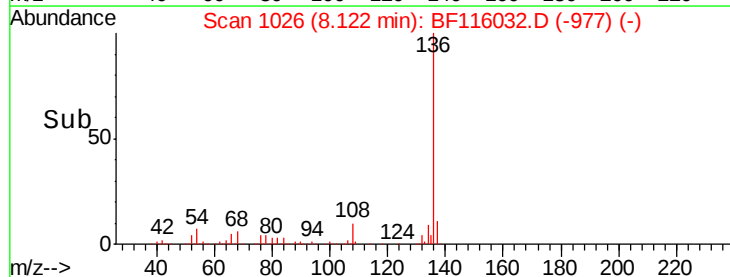
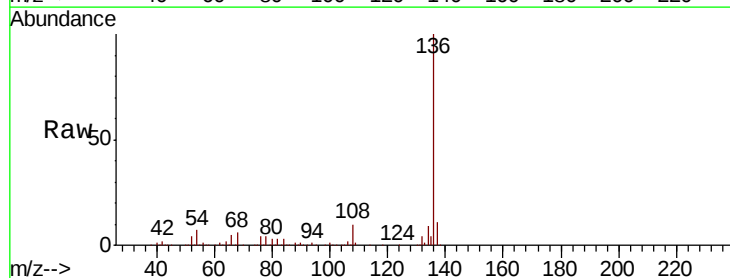
Instrument :
BNA_F
ClientSampleId :
TP-15

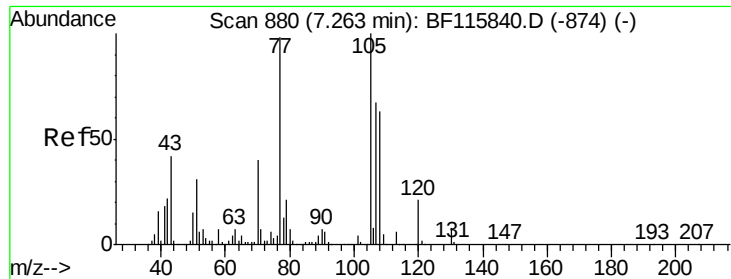
Tot Ion:117 Resp: 141
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
201 0.0 82.0 123.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116032.D
Acq: 6 Aug 2019 23:49

Tgt Ion:136 Resp: 473824
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.0 6.1 9.1
68 6.3 5.4 8.2

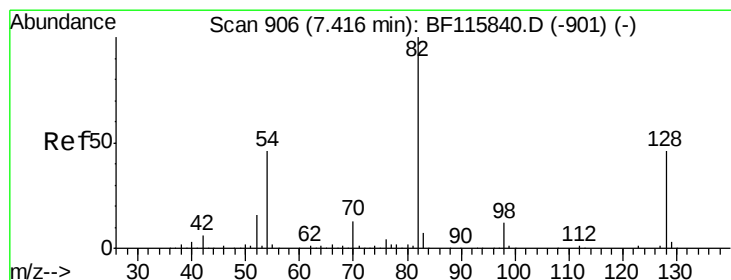
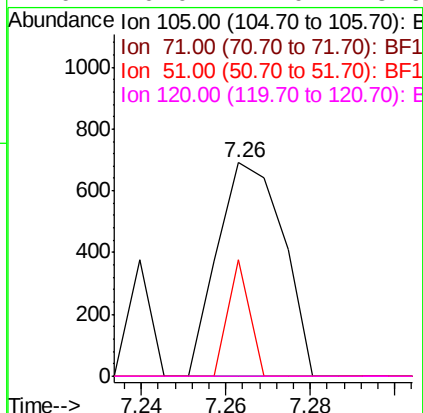
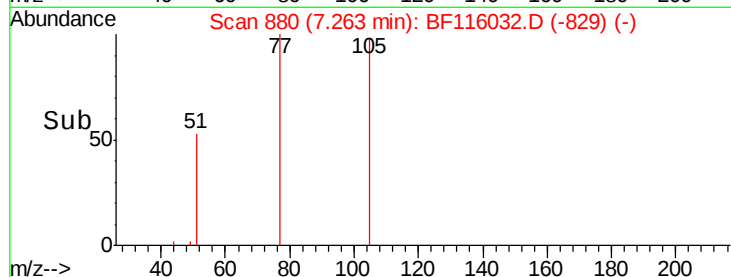
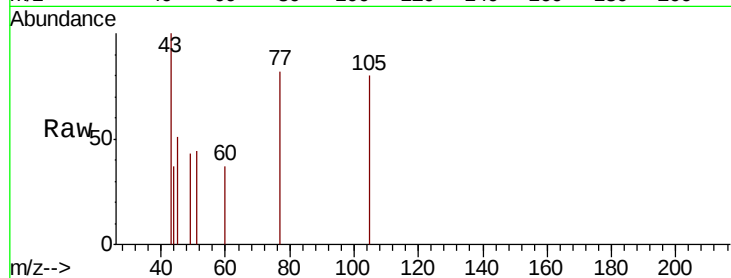




#22
Acetophenone
Concen: 0.072 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF116032.D
Acq: 6 Aug 2019 23:49

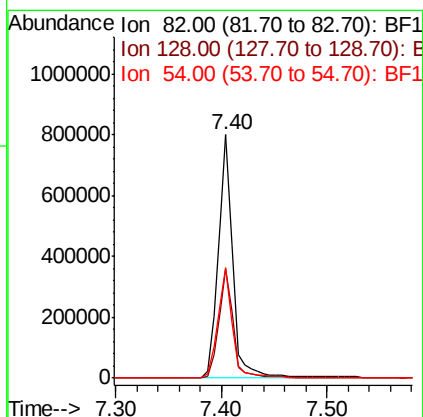
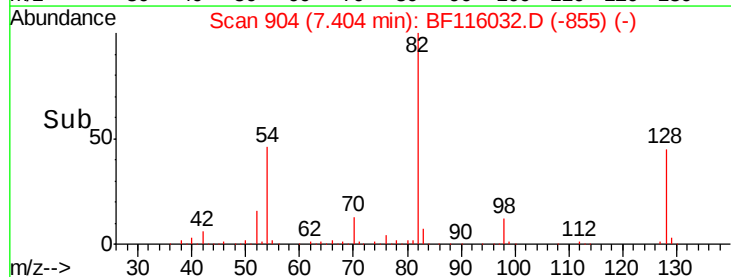
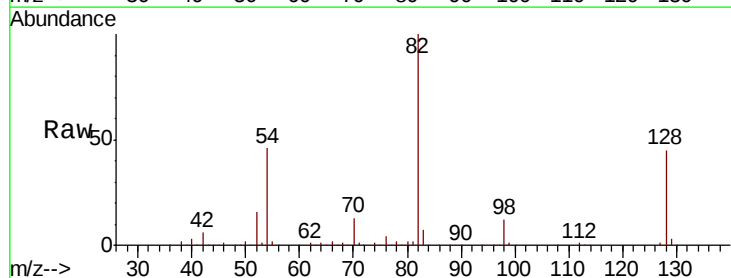
Instrument :
BNA_F
ClientSampleId :
TP-15

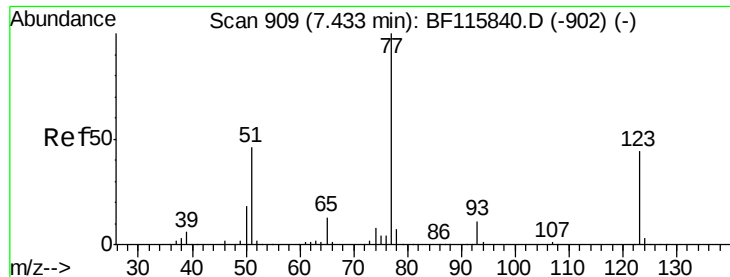
Tot Ion:105 Resp: 747
Ion Ratio Lower Upper
105 100
71 0.0 5.4 8.0#
51 54.3 24.6 36.8#
120 0.0 17.0 25.6#



#23
Nitrobenzene-d5
Concen: 97.097 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116032.D
Acq: 6 Aug 2019 23:49

Tgt Ion: 82 Resp: 797026
Ion Ratio Lower Upper
82 100
128 44.6 36.6 55.0
54 45.6 36.6 55.0





#24

Nitrobenzene

Concen: 0.276 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.03 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

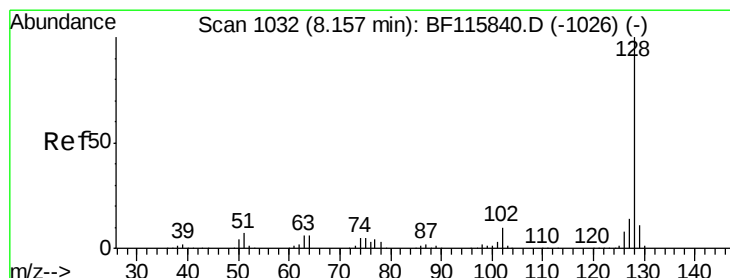
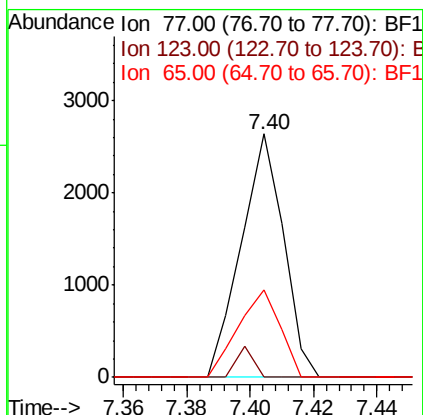
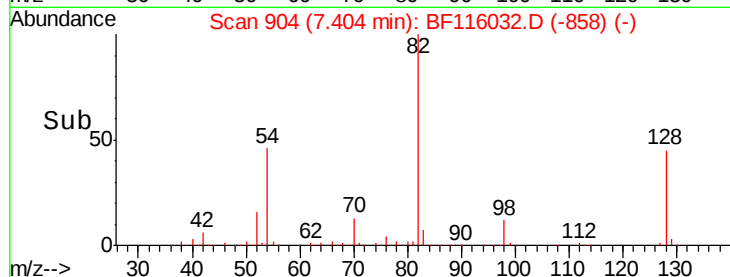
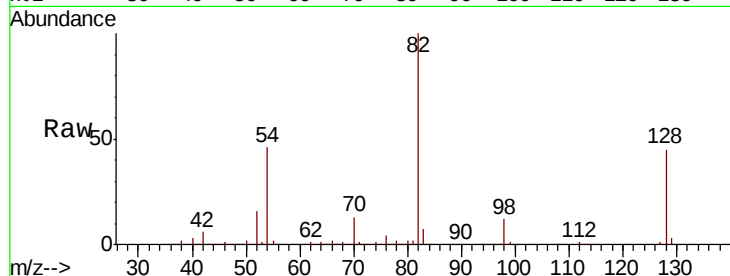
Tot Ion: 77 Resp: 2442

Ion Ratio Lower Upper

77 100

123 0.0 35.5 53.3#

65 35.9 10.6 15.8#



#31

Naphthalene

Concen: 0.032 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

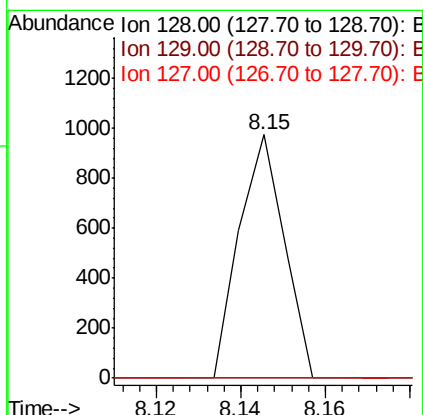
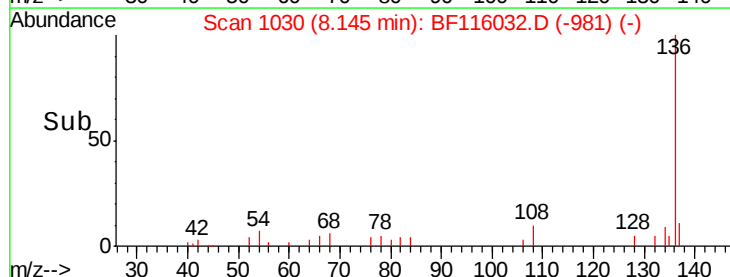
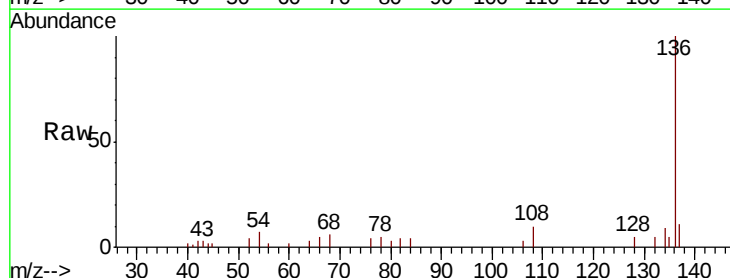
Tgt Ion: 128 Resp: 719

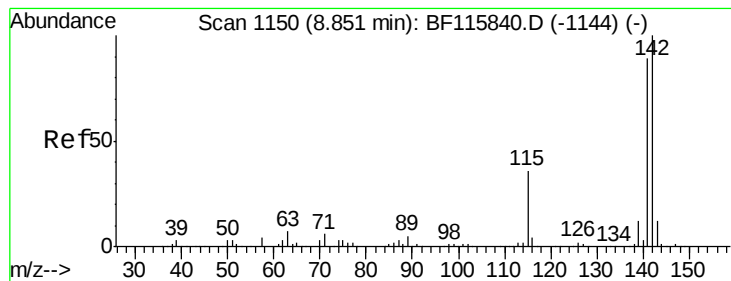
Ion Ratio Lower Upper

128 100

129 0.0 9.2 13.8#

127 0.0 11.0 16.4#





#37

2-Methylnaphthalene

Concen: 0.080 ng

RT: 8.85 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

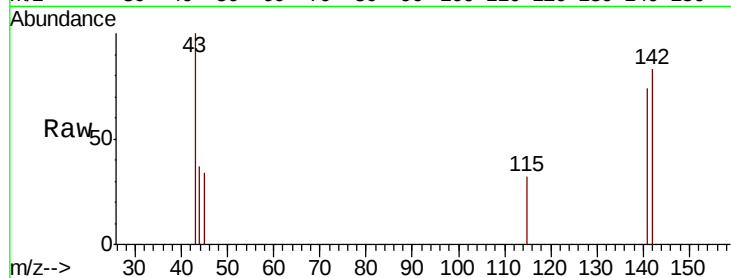
Tot Ion:142 Resp: 1170

Ion Ratio Lower Upper

142 100

141 88.8 71.4 107.2

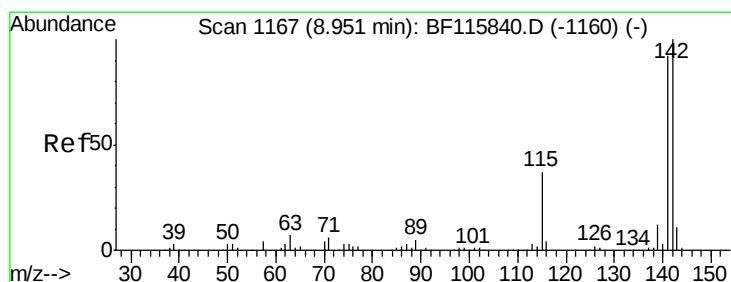
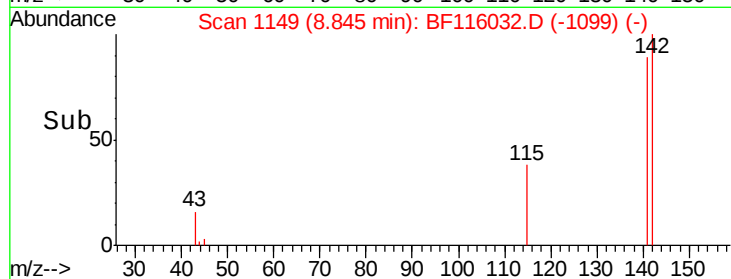
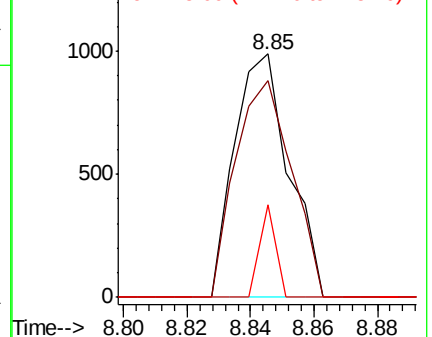
115 38.2 28.9 43.3



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: 0.047 ng

RT: 8.93 min Scan# 1164

Delta R.T. -0.02 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

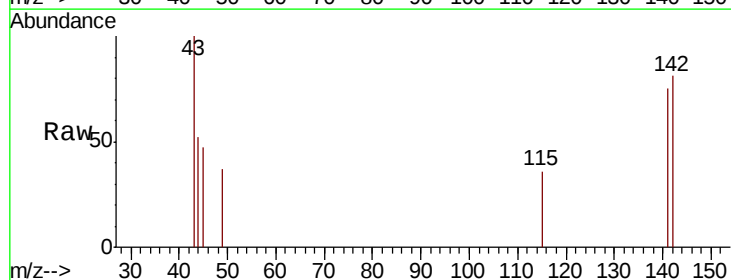
Tgt Ion:142 Resp: 657

Ion Ratio Lower Upper

142 100

141 92.2 73.8 110.6

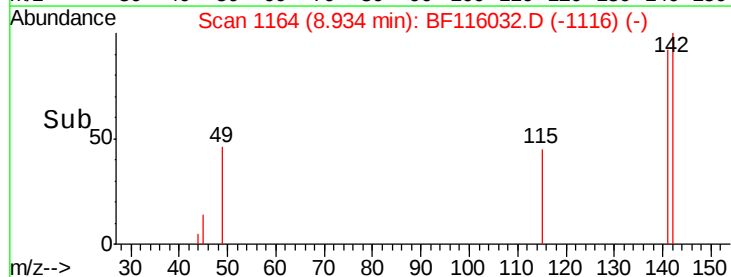
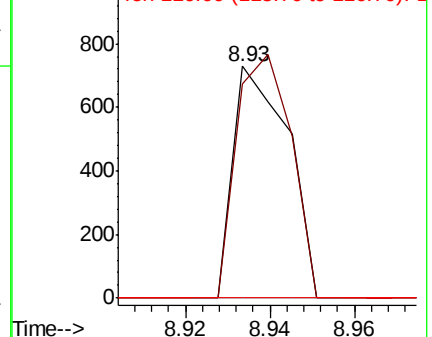
116 0.0 3.1 4.7#

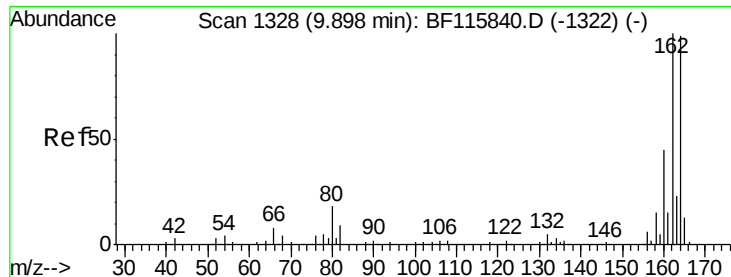


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

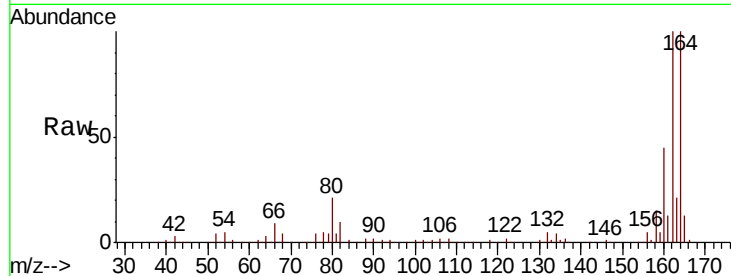




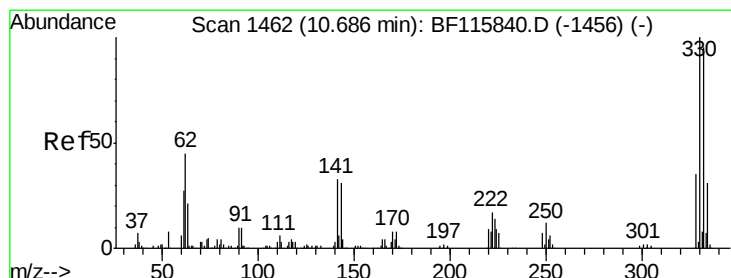
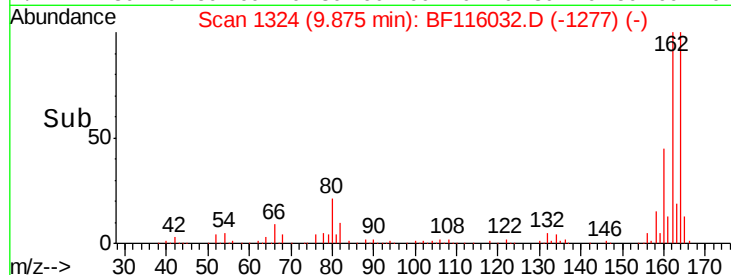
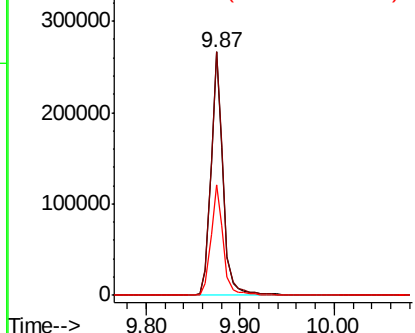
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116032.D
Acq: 6 Aug 2019 23:49

Instrument :
BNA_F
ClientSampleId :
TP-15

Tot Ion:164 Resp: 243109
Ion Ratio Lower Upper
164 100
162 100.0 80.8 121.2
160 45.4 36.2 54.4

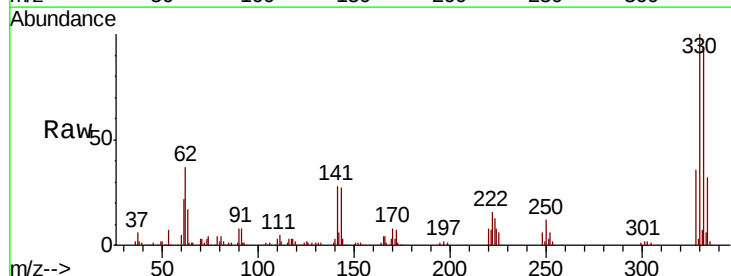


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

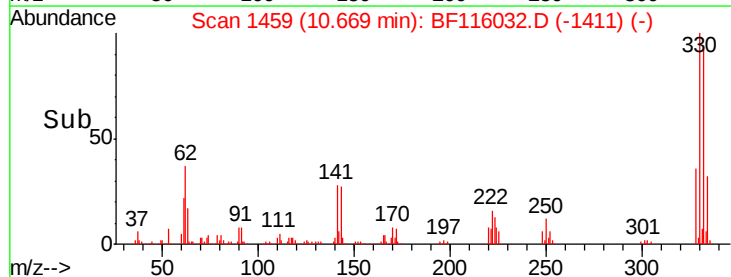
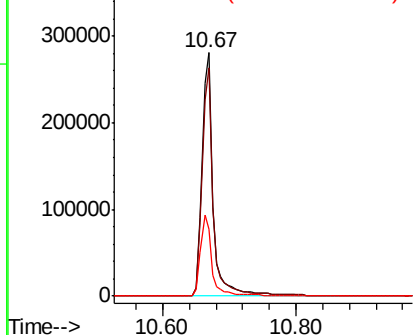


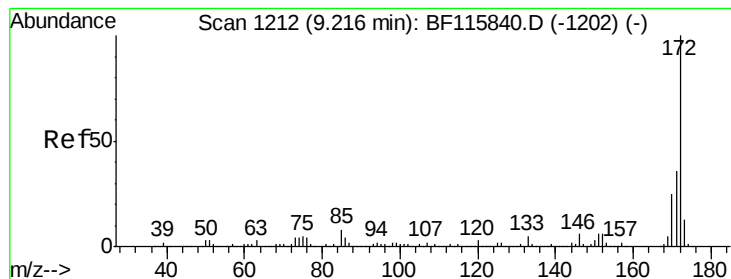
#42
2,4,6-Tribromophenol
Concen: 134.064 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF116032.D
Acq: 6 Aug 2019 23:49

Tgt Ion:330 Resp: 315991
Ion Ratio Lower Upper
330 100
332 93.9 77.7 116.5
141 34.3 28.1 42.1



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: 106.849 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

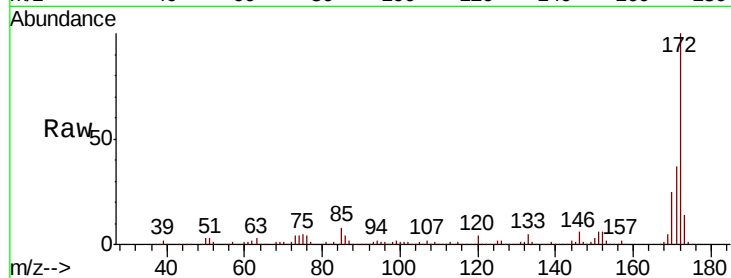
Tot Ion:172 Resp: 1386803

Ion Ratio Lower Upper

172 100

171 36.7 29.1 43.7

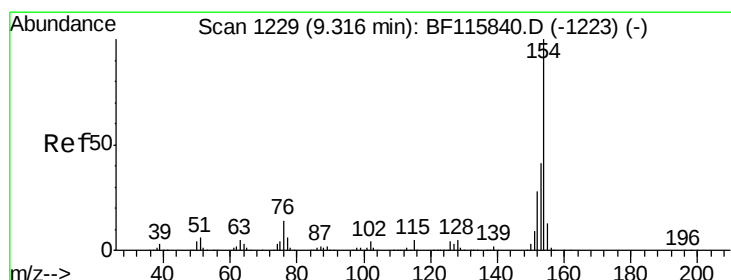
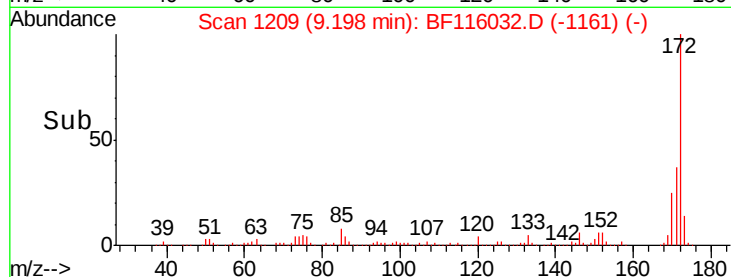
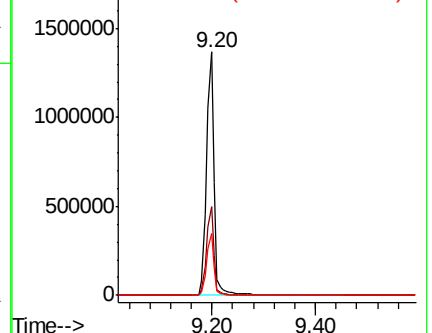
170 25.3 20.1 30.1



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: 0.155 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.02 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

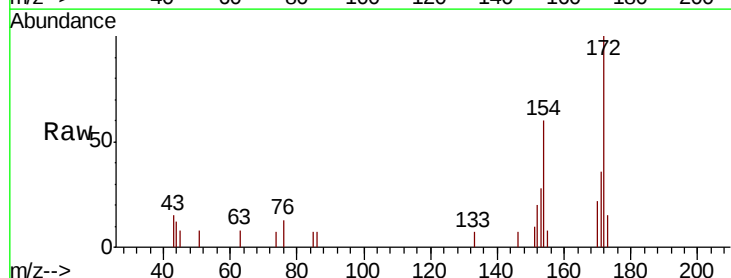
Tgt Ion:154 Resp: 2668

Ion Ratio Lower Upper

154 100

153 46.1 20.9 60.9

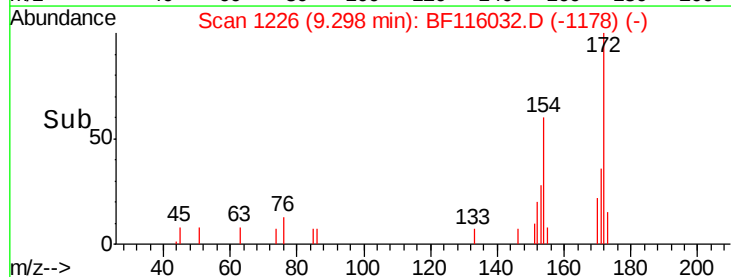
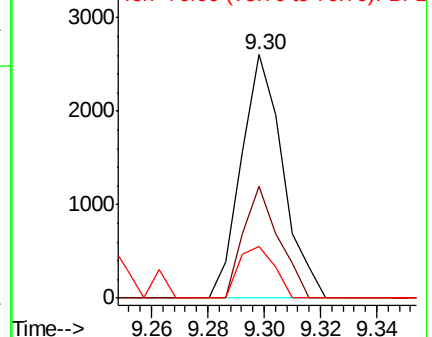
76 21.3 0.0 34.3

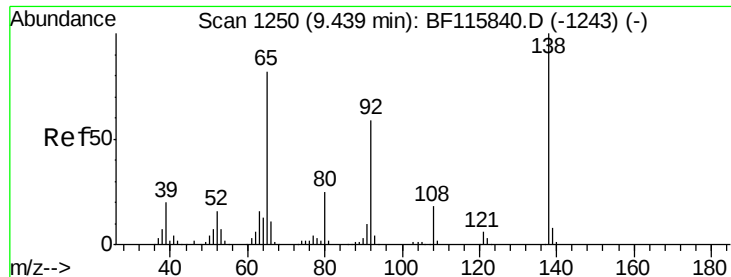


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

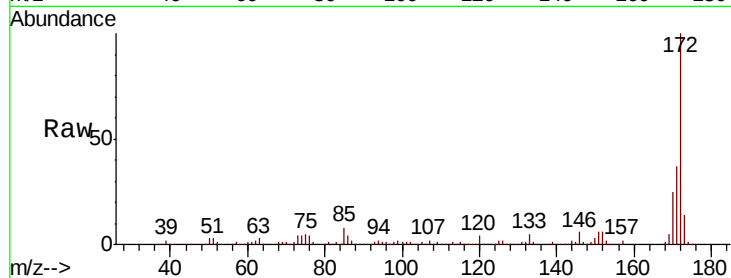




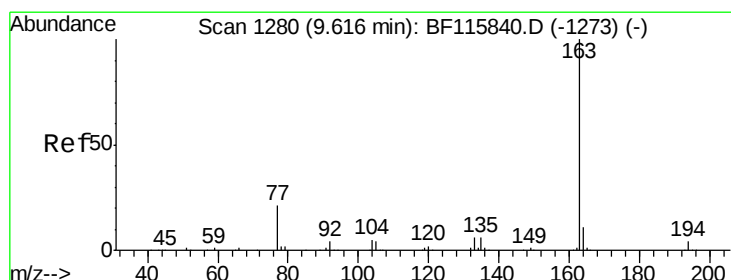
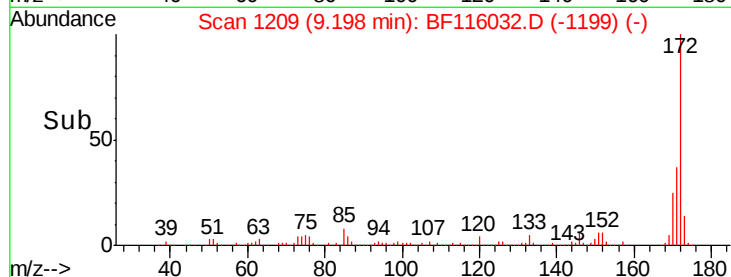
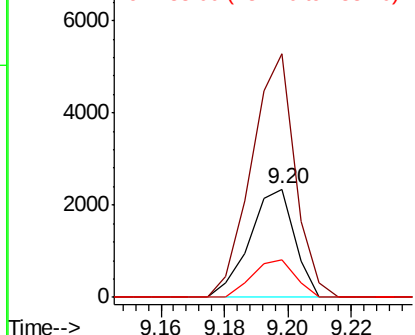
#48
2-Nitroaniline
Concen: 0.489 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.24 min
Lab File: BF116032.D
Acq: 6 Aug 2019 23:49

Instrument :
BNA_F
ClientSampleId :
TP-15

Tot Ion: 65 Resp: 2309
Ion Ratio Lower Upper
65 100
92 224.7 57.1 85.7#
138 34.4 97.1 145.7#

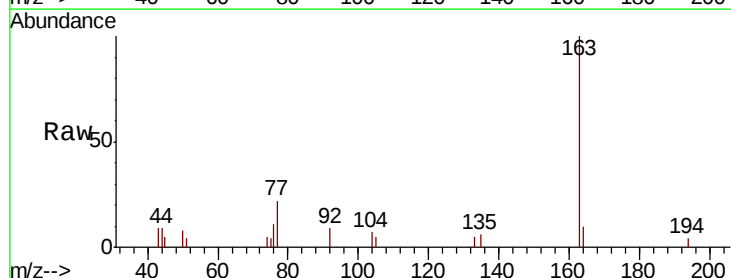


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

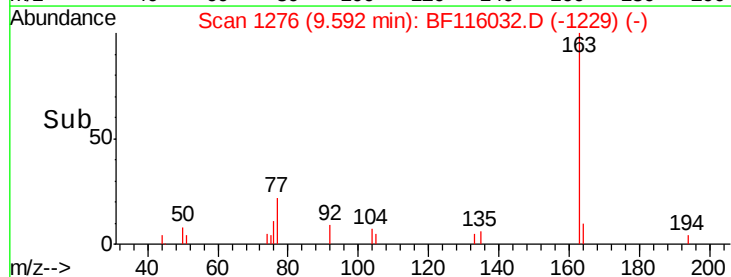
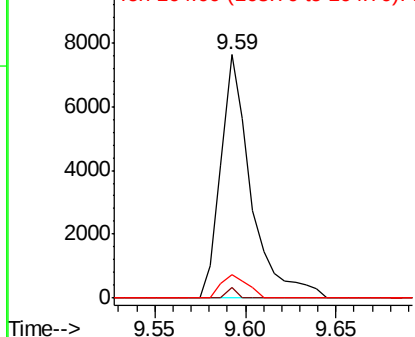


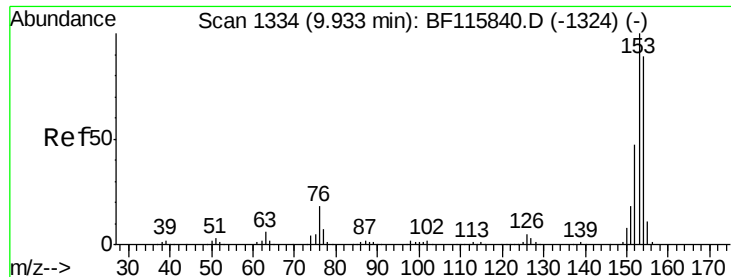
#50
Dimethylphthalate
Concen: 0.537 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116032.D
Acq: 6 Aug 2019 23:49

Tgt Ion:163 Resp: 8886
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.6
164 9.6 8.4 12.6



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





#52

Acenaphthene

Concen: 0.018 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.03 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

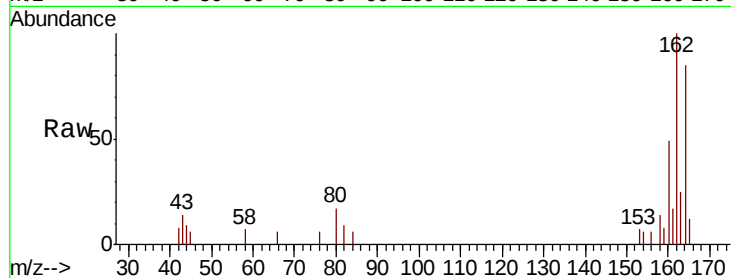
Tot Ion:154 Resp: 226

Ion Ratio Lower Upper

154 100

153 116.5 90.1 135.1

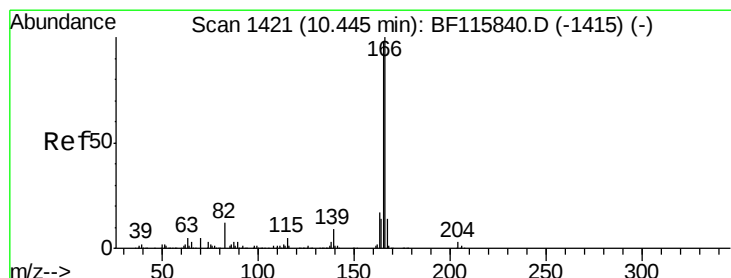
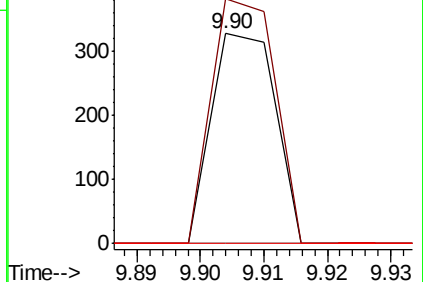
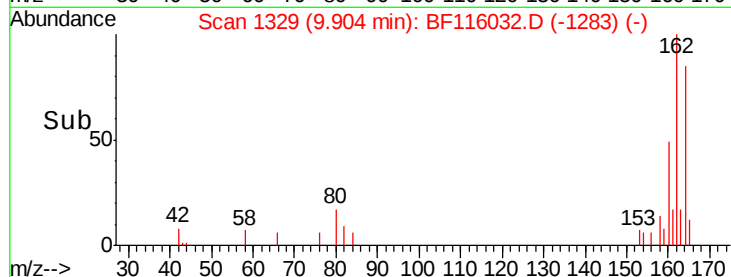
152 0.0 42.6 63.8#



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



#58

Fluorene

Concen: 0.920 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.22 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

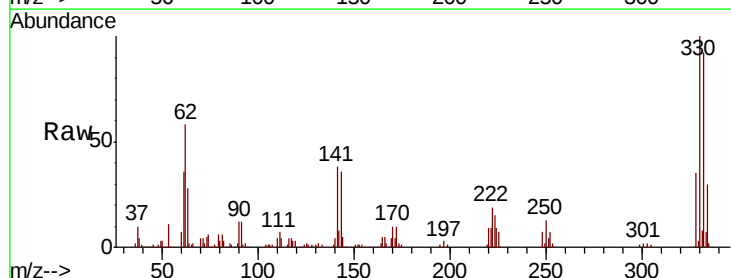
Tgt Ion:166 Resp: 13165

Ion Ratio Lower Upper

166 100

165 105.7 78.6 118.0

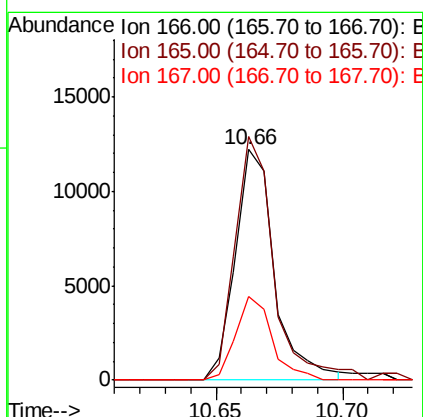
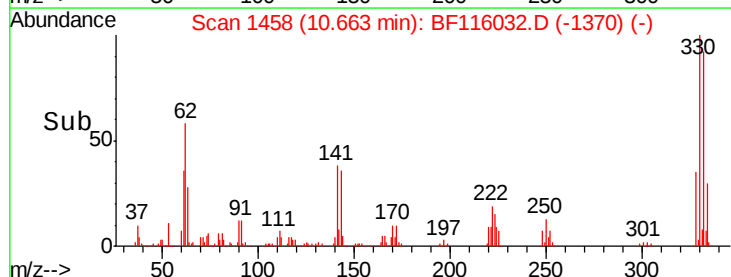
167 36.3 10.9 16.3#

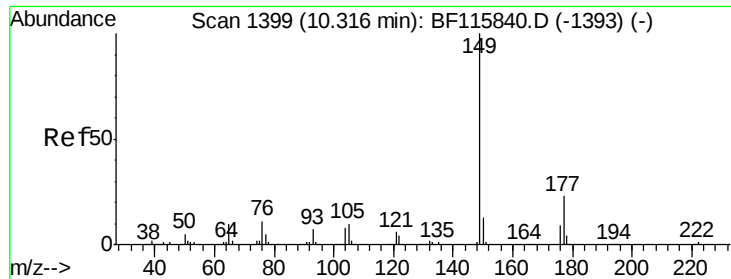


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

Diethylphthalate

Concen: 0.035 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.03 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

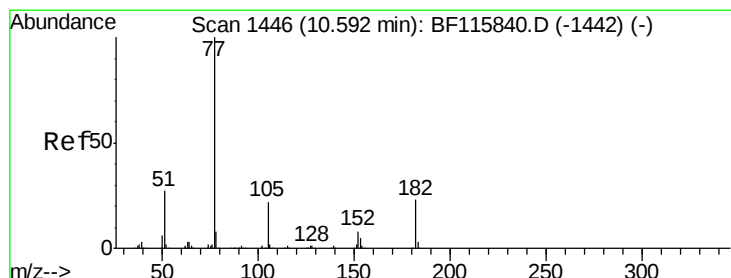
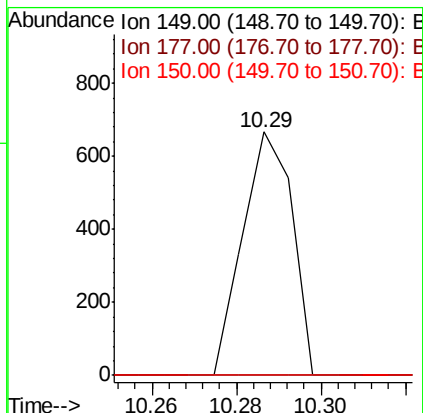
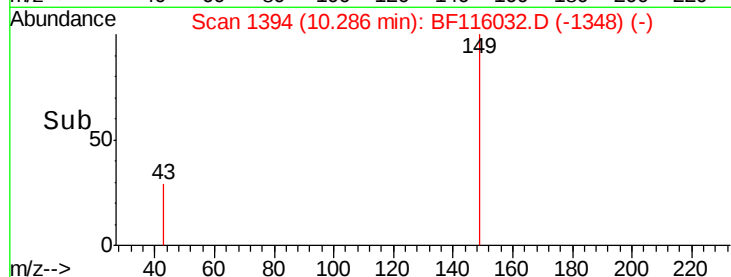
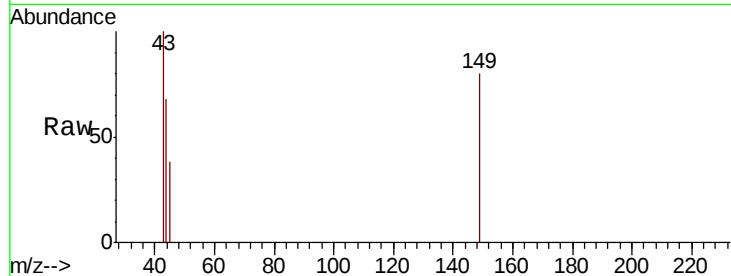
Tot Ion:149 Resp: 542

Ion Ratio Lower Upper

149 100

177 0.0 18.4 27.6#

150 0.0 10.1 15.1#



#63

Azobenzene

Concen: 0.097 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.07 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Tgt Ion: 77 Resp: 1545

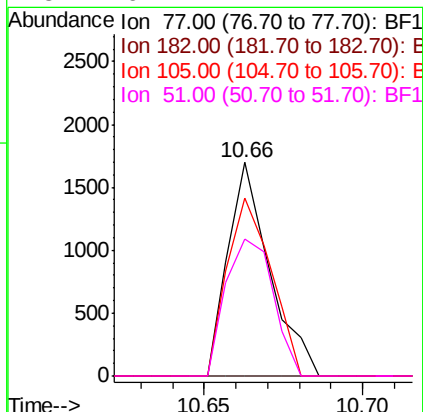
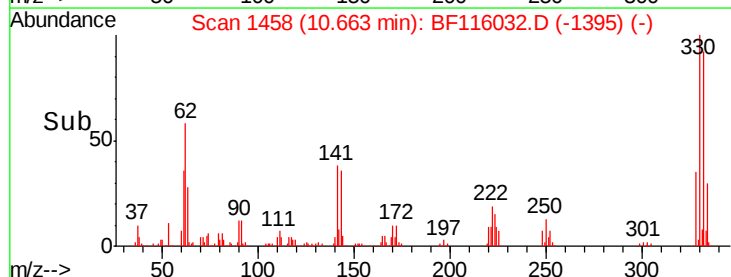
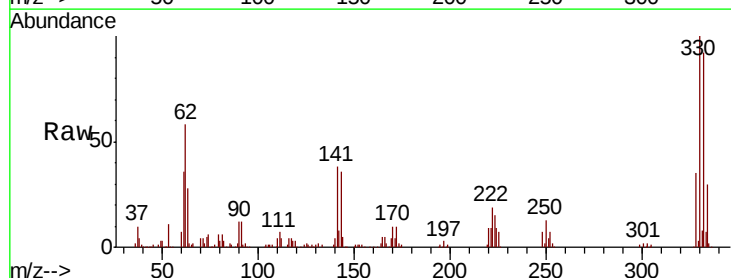
Ion Ratio Lower Upper

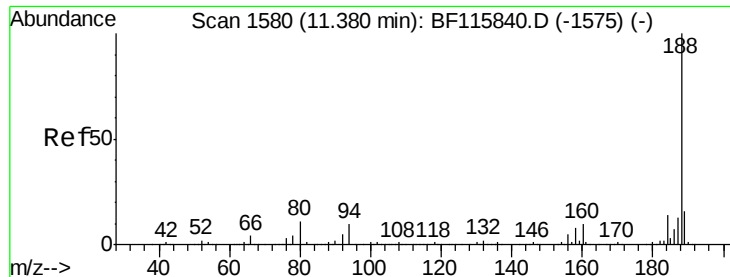
77 100

182 0.0 2.6 42.6#

105 83.2 1.6 41.6#

51 64.2 7.4 47.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

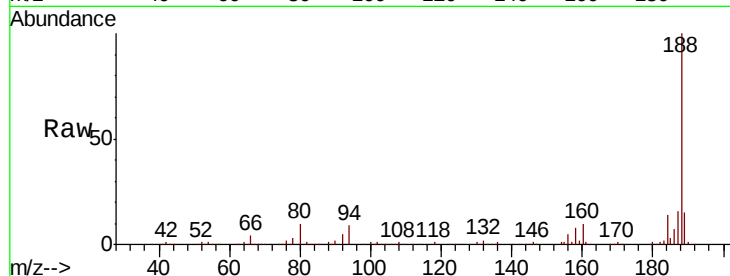
Tot Ion:188 Resp: 394430

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

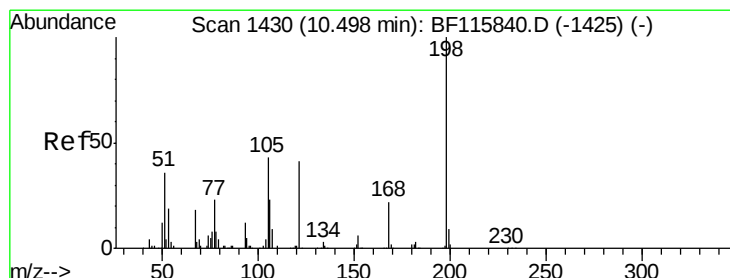
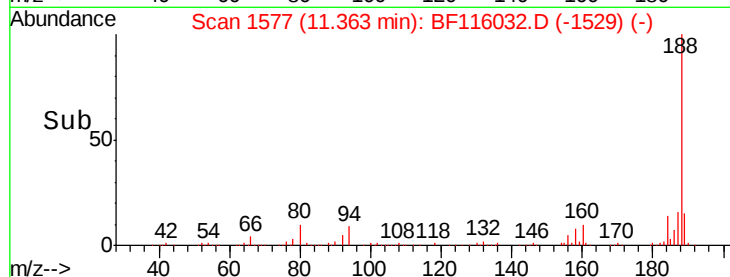
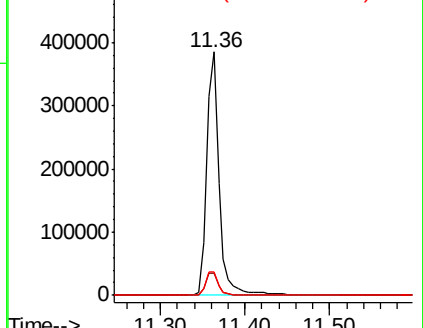
80 9.8 8.6 12.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 0.247 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.16 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

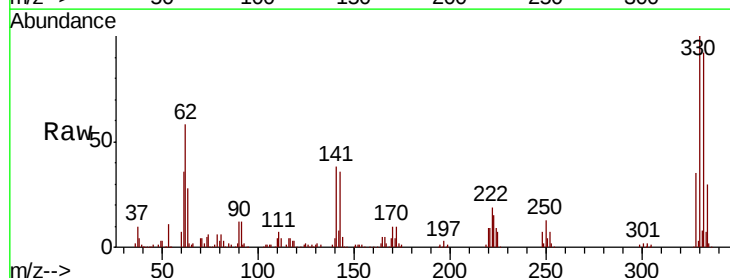
Tgt Ion:198 Resp: 517

Ion Ratio Lower Upper

198 100

51 138.5 21.1 61.1#

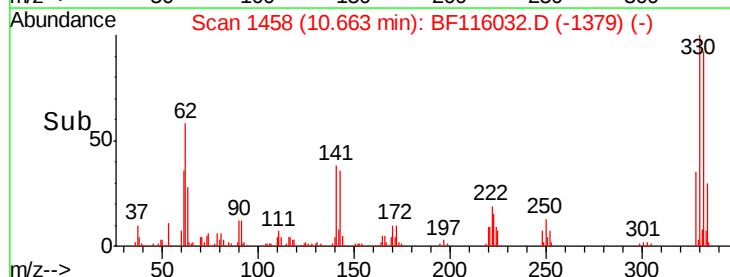
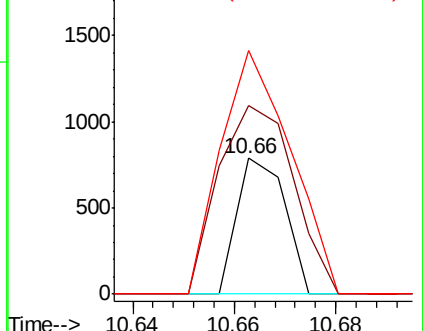
105 179.3 24.5 64.5#

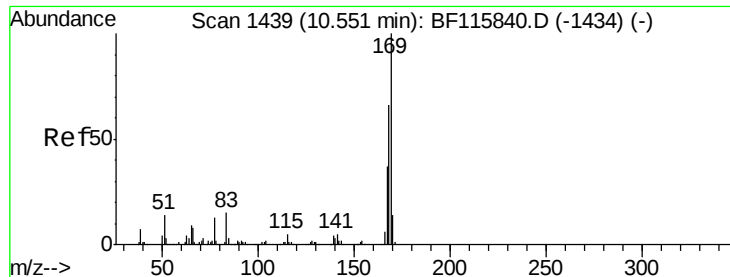


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#66

n-Nitrosodiphenylamine

Concen: 0.796 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.11 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

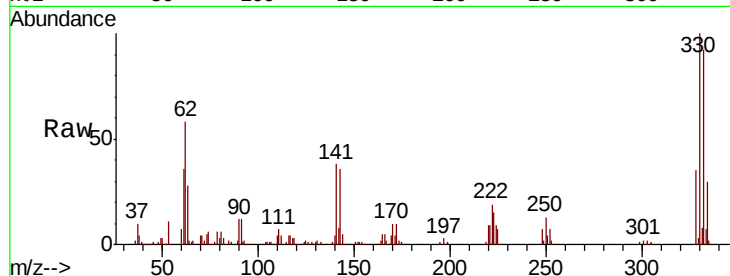
Tot Ion:169 Resp: 9449

Ion Ratio Lower Upper

169 100

168 7.1 53.0 79.6#

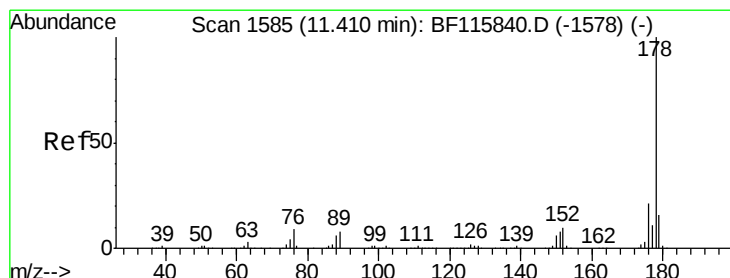
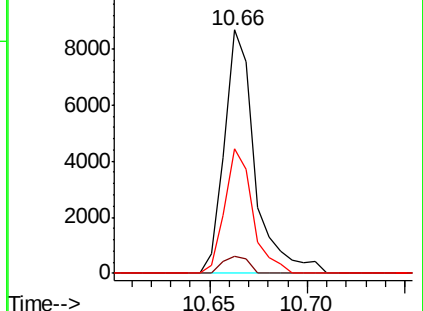
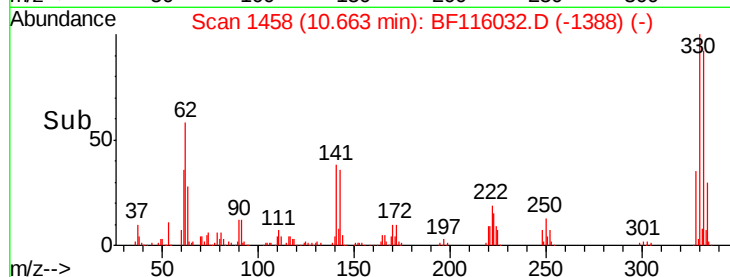
167 51.0 29.9 44.9#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#71

Phenanthrene

Concen: 0.039 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

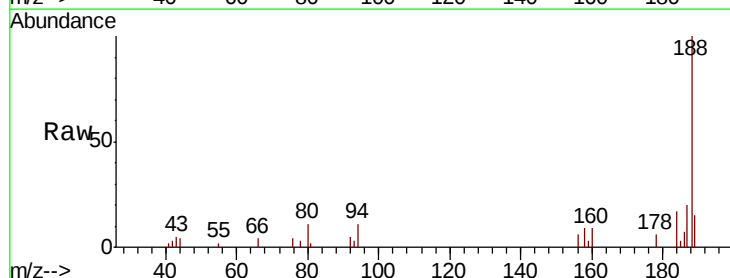
Tgt Ion:178 Resp: 786

Ion Ratio Lower Upper

178 100

176 0.0 16.5 24.7#

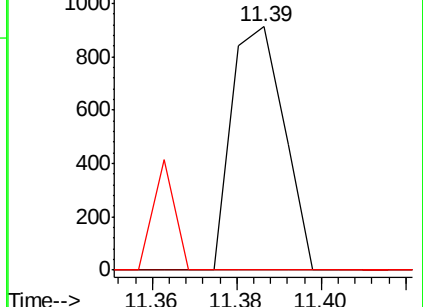
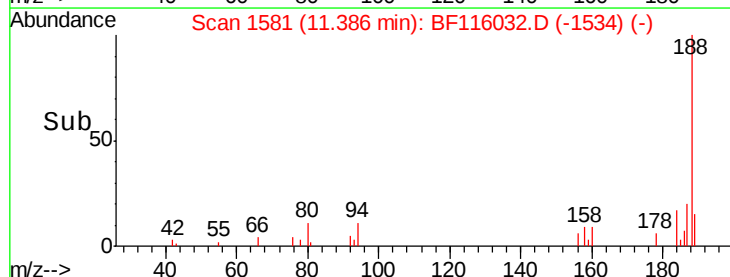
179 0.0 12.6 18.8#

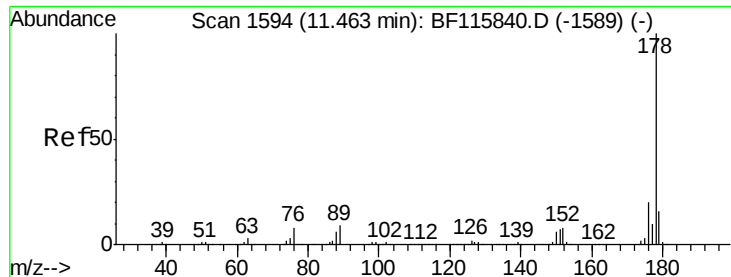


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 0.039 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.08 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

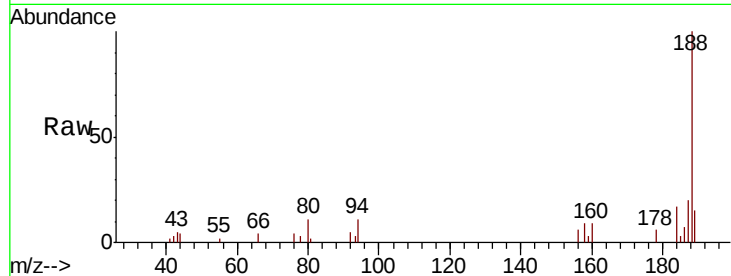
Tot Ion:178 Resp: 786

Ion Ratio Lower Upper

178 100

176 0.0 15.7 23.5#

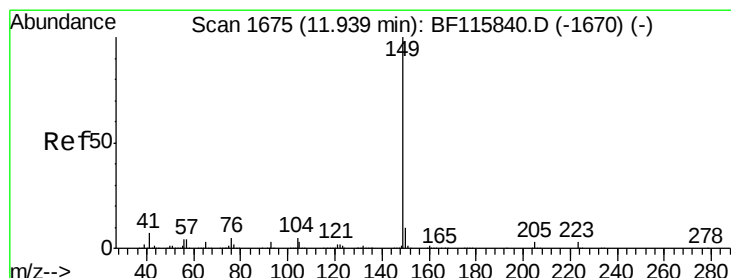
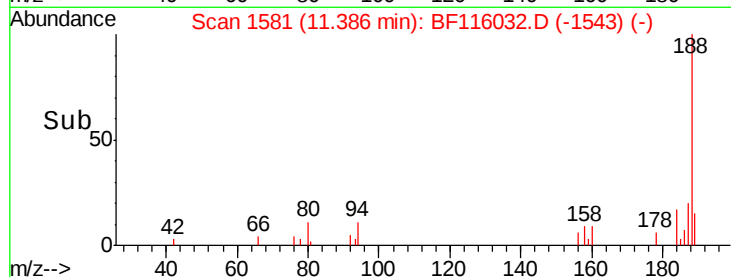
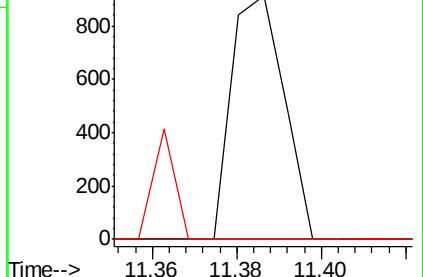
179 0.0 12.4 18.6#



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



#74

Di-n-butylphthalate

Concen: 0.074 ng

RT: 11.92 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

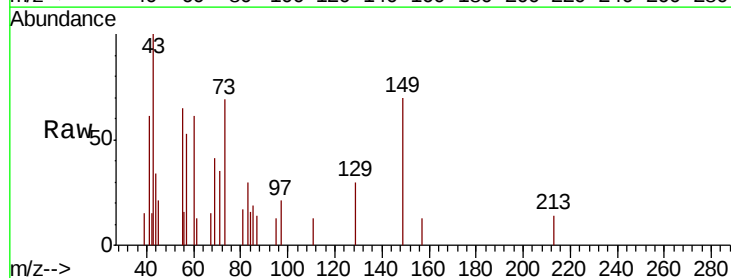
Tgt Ion:149 Resp: 1602

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

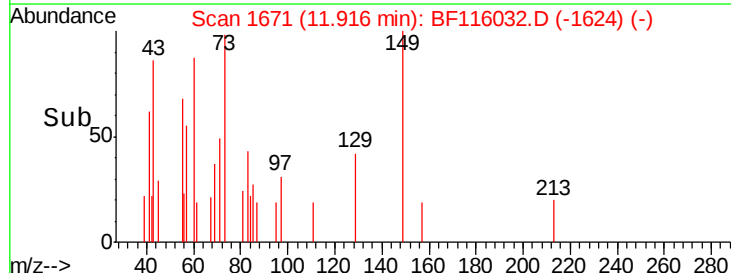
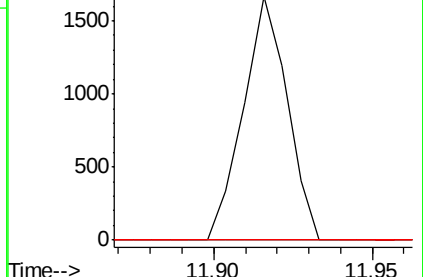
104 0.0 4.3 6.5#

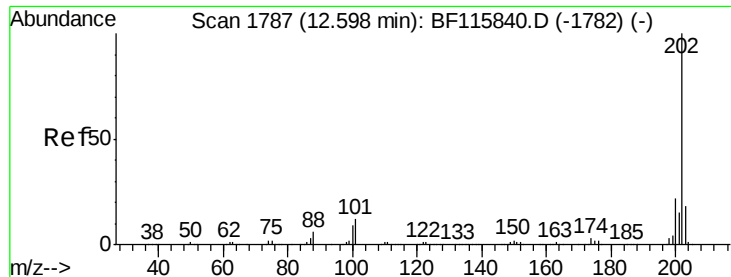


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.021 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.02 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

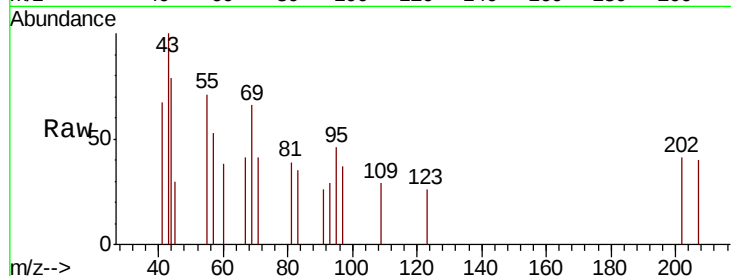
Tot Ion:202 Resp: 446

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.5

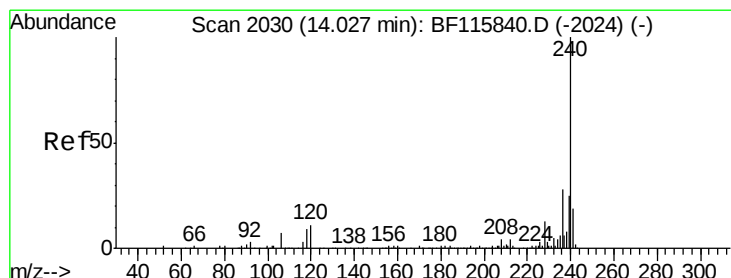
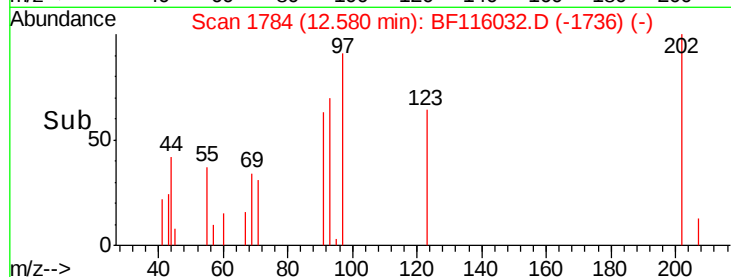
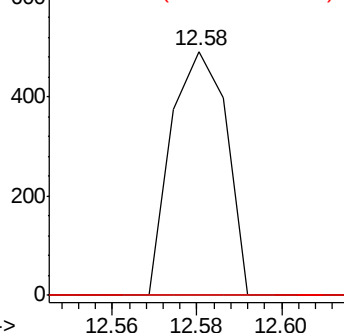
203 0.0 0.0 37.9



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: 14.00 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

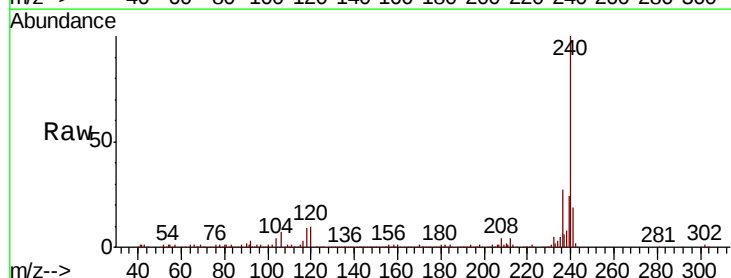
Tgt Ion:240 Resp: 279500

Ion Ratio Lower Upper

240 100

120 10.4 8.5 12.7

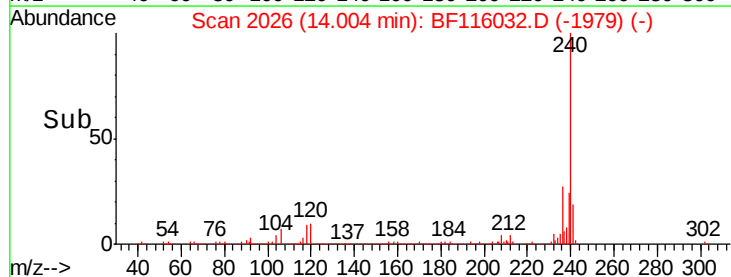
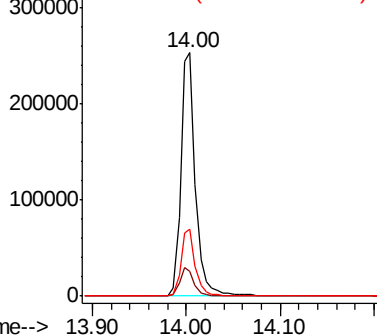
236 27.4 22.2 33.2

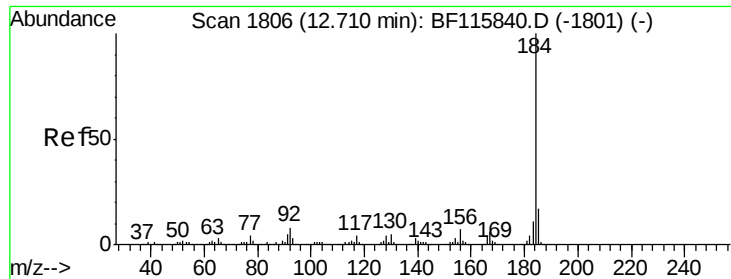


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.914 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.24 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

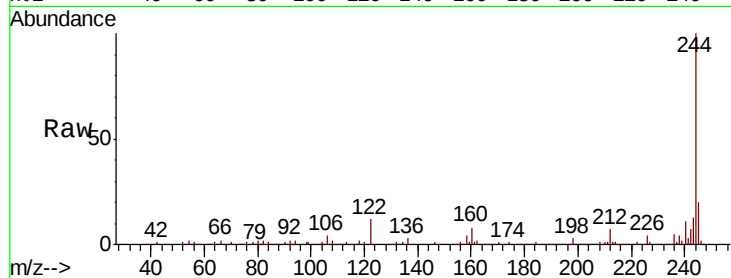
Tot Ion:184 Resp: 18072

Ion Ratio Lower Upper

184 100

185 16.1 13.4 20.2

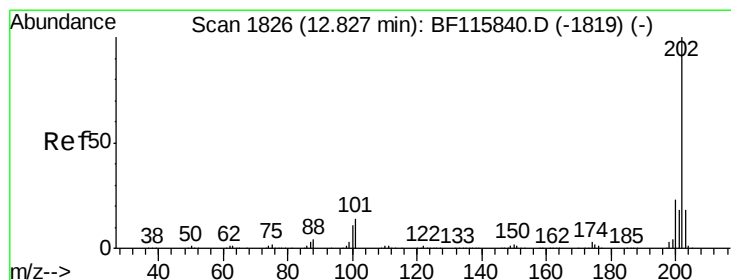
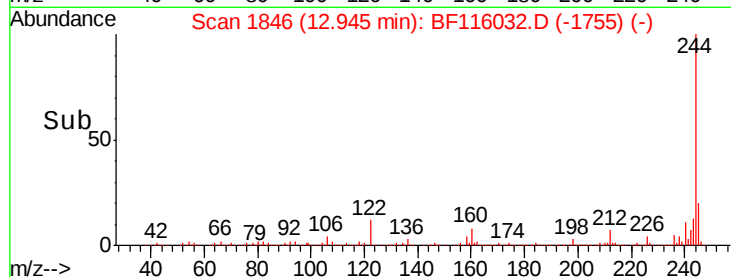
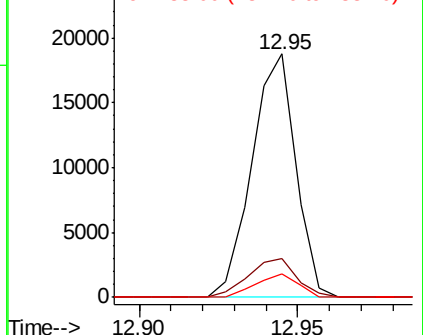
183 9.5 9.1 13.7



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.014 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

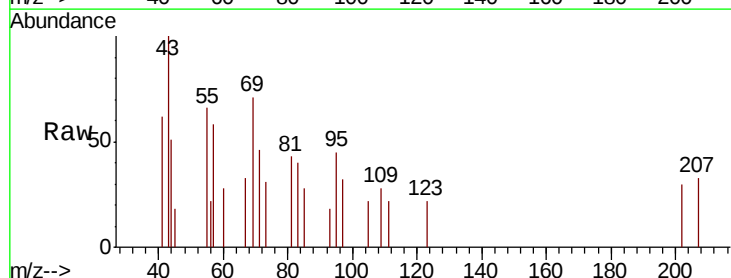
Tgt Ion:202 Resp: 294

Ion Ratio Lower Upper

202 100

200 0.0 18.2 27.2#

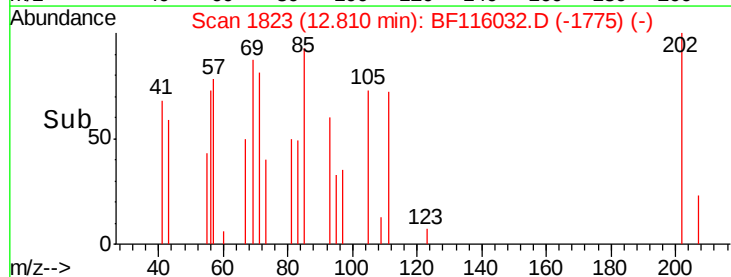
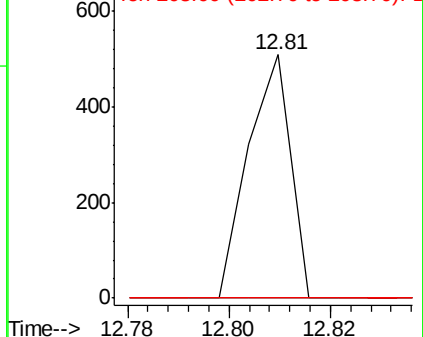
203 0.0 14.3 21.5#

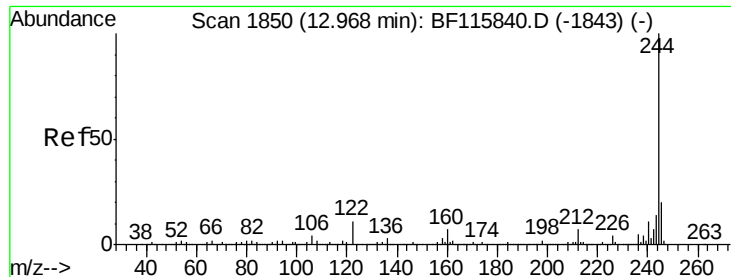


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 98.005 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

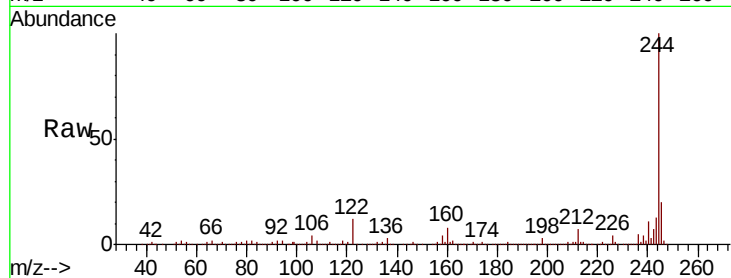
Tot Ion:244 Resp: 1299963

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

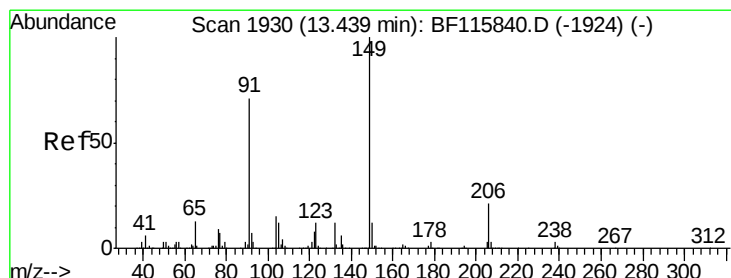
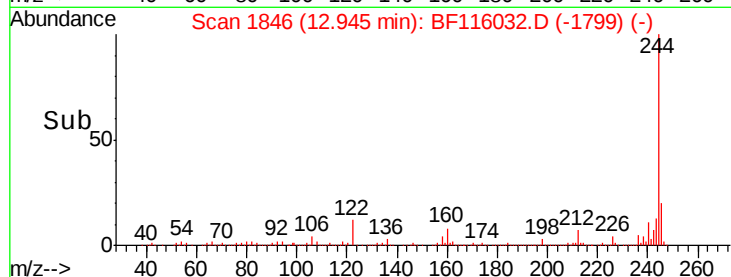
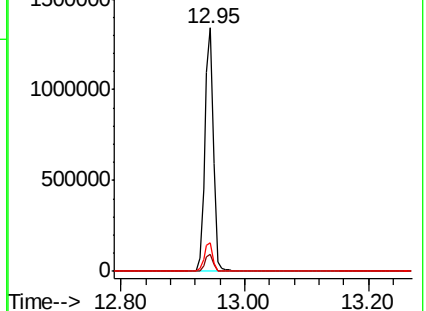
122 11.7 8.6 13.0



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



#80

Butylbenzylphthalate

Concen: 0.014 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.05 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

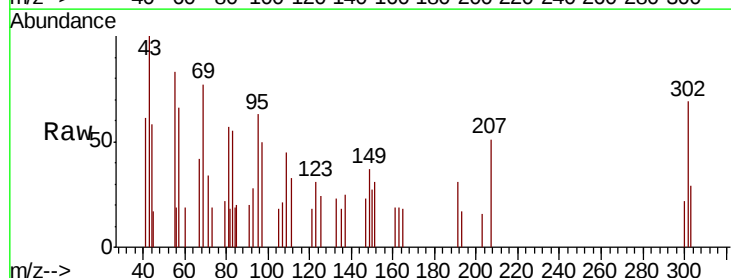
Tgt Ion:149 Resp: 128

Ion Ratio Lower Upper

149 100

91 55.4 57.0 85.6#

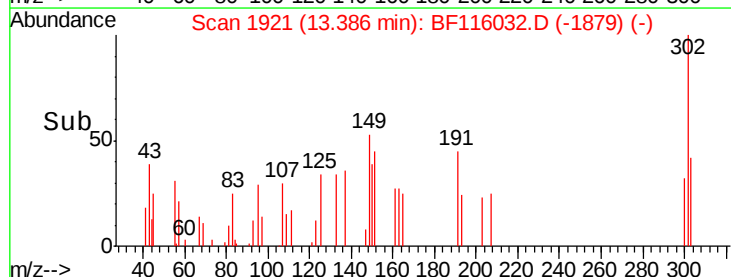
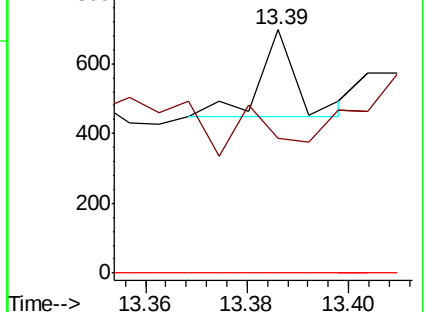
206 0.0 16.9 25.3#

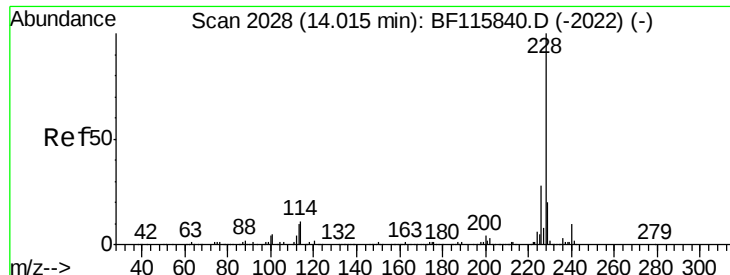


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.062 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

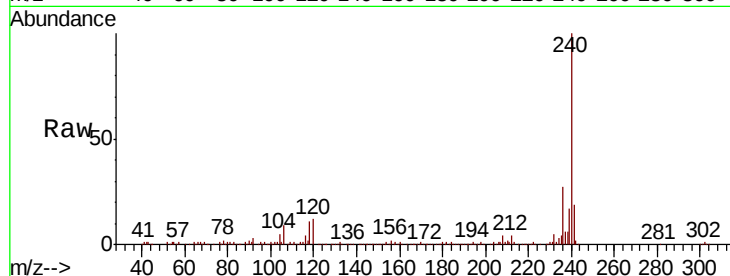
Tot Ion:228 Resp: 1115

Ion Ratio Lower Upper

228 100

226 0.0 22.5 33.7#

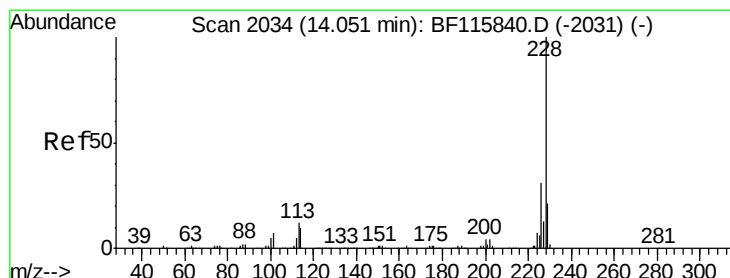
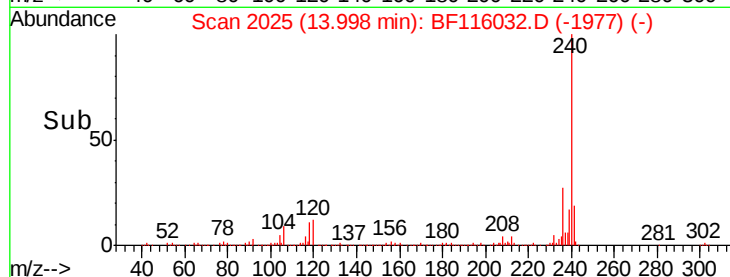
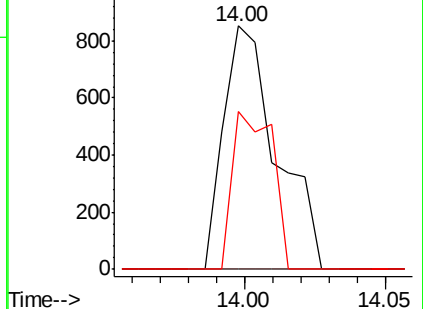
229 64.7 16.1 24.1#



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: 0.064 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.05 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

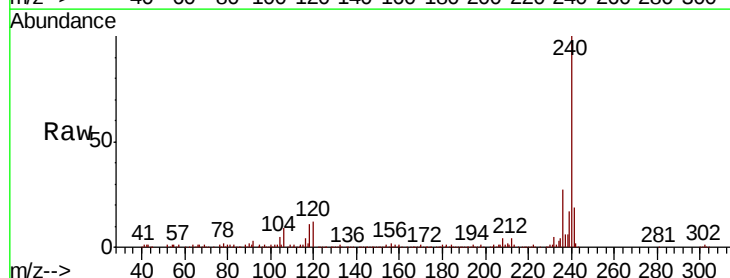
Tgt Ion:228 Resp: 1115

Ion Ratio Lower Upper

228 100

226 0.0 24.8 37.2#

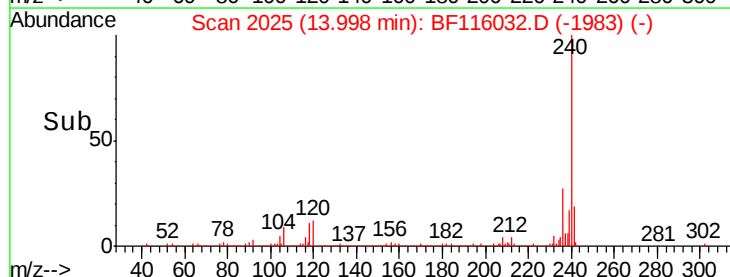
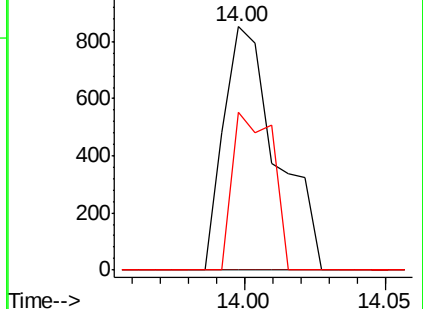
229 64.7 16.4 24.6#

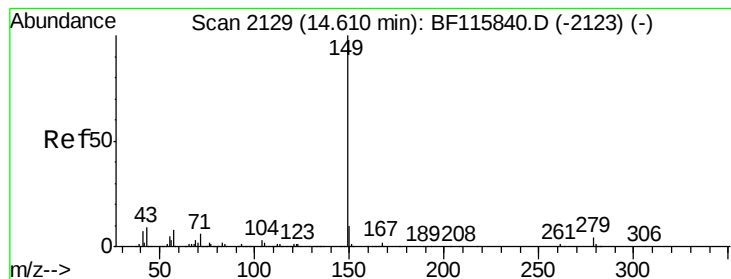


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Di-n-octyl phthalate

Concen: 0.016 ng

RT: 14.58 min Scan# 2124

Delta R.T. -0.03 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

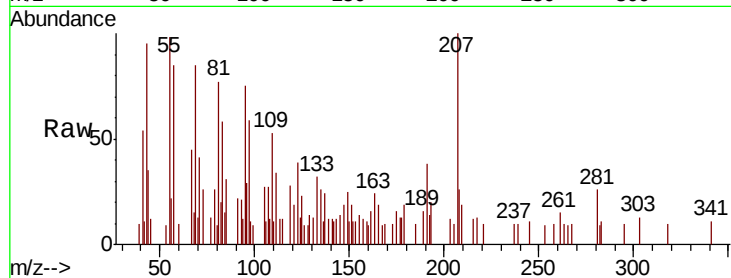
Tot Ion:149 Resp: 290

Ion Ratio Lower Upper

149 100

167 184.1 1.2 1.8#

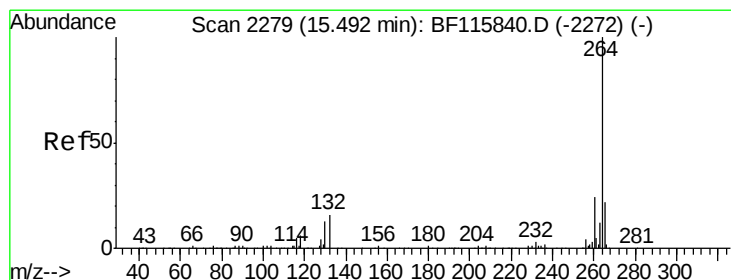
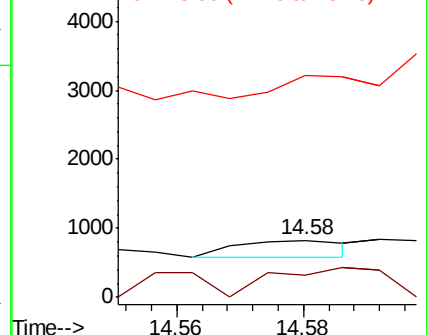
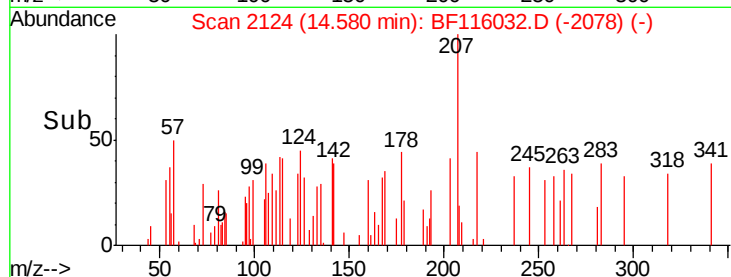
43 352.4 7.4 11.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.03 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

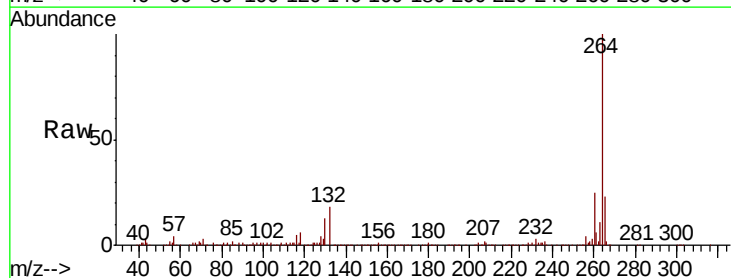
Tgt Ion:264 Resp: 345488

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

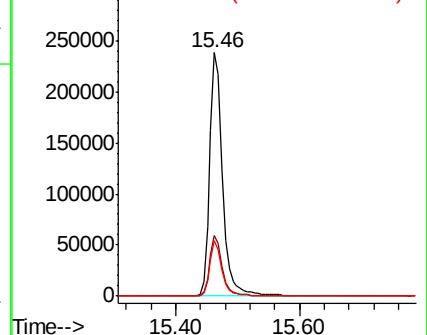
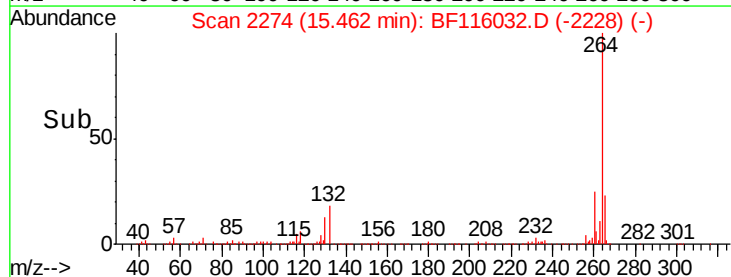
265 22.7 17.5 26.3

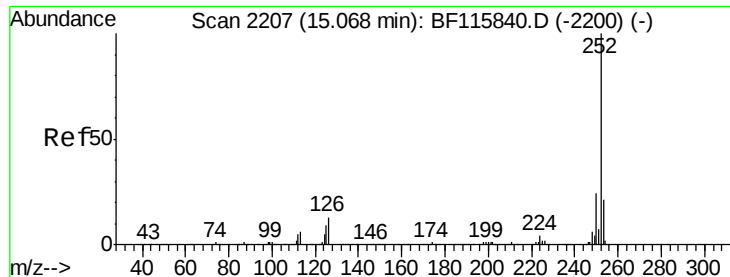


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 0.005 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.22 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

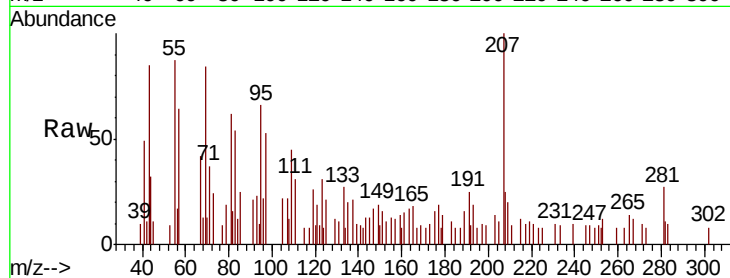
Tot Ion:252 Resp: 107

Ion Ratio Lower Upper

252 100

253 153.0 17.2 25.8#

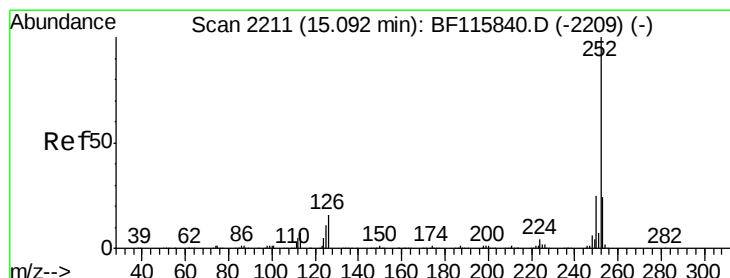
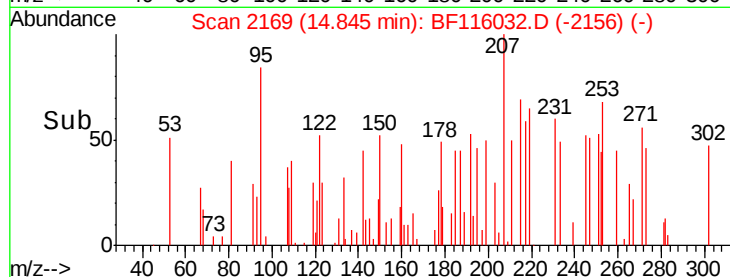
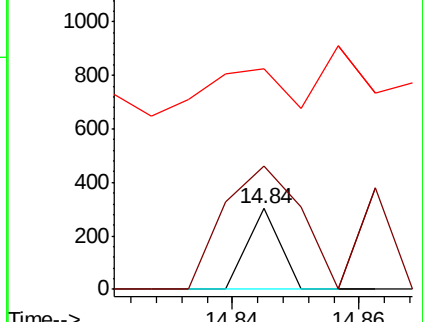
125 273.2 7.4 11.0#



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



#89

Benzo(k)fluoranthene

Concen: 0.005 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.25 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

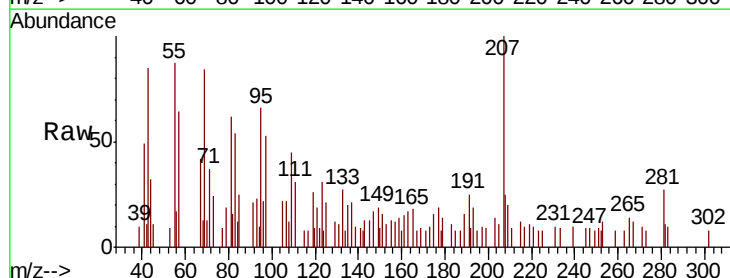
Tgt Ion:252 Resp: 107

Ion Ratio Lower Upper

252 100

253 153.0 18.2 27.4#

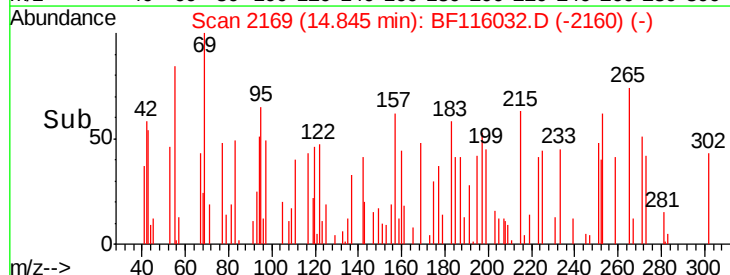
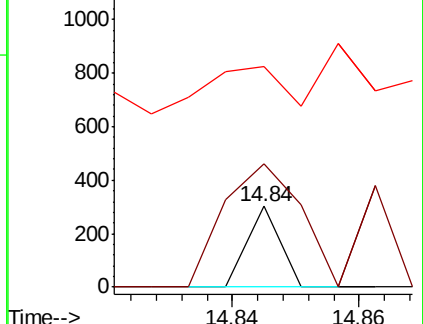
125 273.2 8.9 13.3#

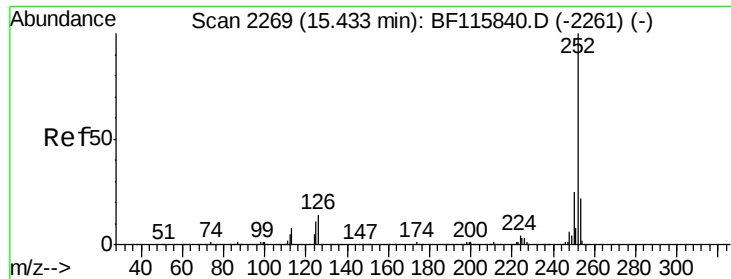


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.074 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.04 min

Lab File: BF116032.D

Acq: 6 Aug 2019 23:49

Instrument :

BNA_F

ClientSampleId :

TP-15

Tot Ion:252 Resp: 1326

Ion Ratio Lower Upper

252 100

253 51.7 17.8 26.6#

125 132.2 8.8 13.2#

