

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116808.D
 Acq On : 4 Sep 2019 11:57
 Operator : HP/JU
 Sample : K4643-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:04:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	55541	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	214345	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	109974	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	178254	20.00	ng	0.00
76) Chrysene-d12	14.00	240	151174	20.00	ng	0.00
87) Perylene-d12	15.44	264	142186	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	413103	120.50	ng	0.00
7) Phenol-d6	6.47	99	558068	123.97	ng	0.00
23) Nitrobenzene-d5	7.40	82	341339	90.91	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	118307	160.92	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	580040	88.97	ng	-0.01
79) Terphenyl-d14	12.95	244	597851	73.16	ng	0.00

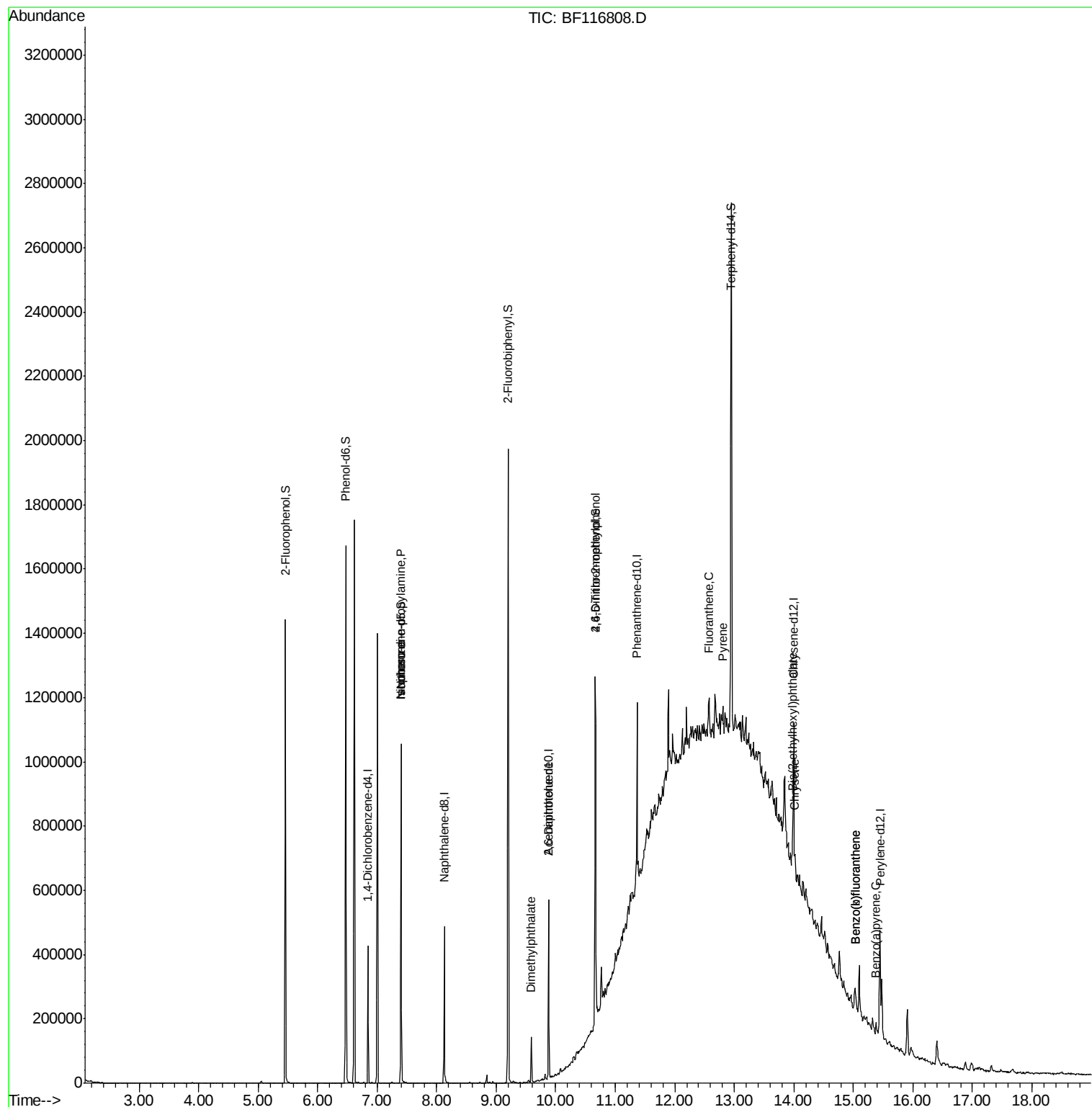
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	45072	15.206	ng	# 70
25) Isophorone	7.40	82	341335	44.864	ng	# 66
50) Dimethylphthalate	9.59	163	57516	7.575	ng	# 98
51) 2,6-Dinitrotoluene	9.88	165	14055	9.702	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.66	198	128	7.616	ng	# 1
75) Fluoranthene	12.57	202	41916	4.298	ng	# 86
78) Pyrene	12.80	202	36611	2.724	ng	# 88
83) Chrysene	14.02	228	23135	2.347	ng	# 92
84) Bis(2-ethylhexyl)phthalate	13.97	149	16823	2.085	ng	# 97
88) Benzo(b)fluoranthene	15.02	252	38268	4.452	ng	# 90
89) Benzo(k)fluoranthene	15.02	252	38268	4.882	ng	# 90
90) Benzo(a)pyrene	15.38	252	16551	2.213	ng	# 94

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

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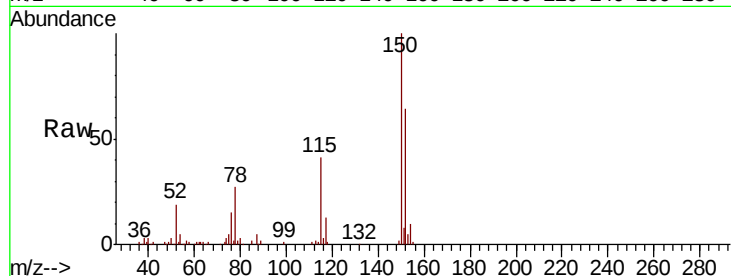


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116808.D
Acq: 4 Sep 2019 11:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.4	186.6
115	63.3	49.9	74.9

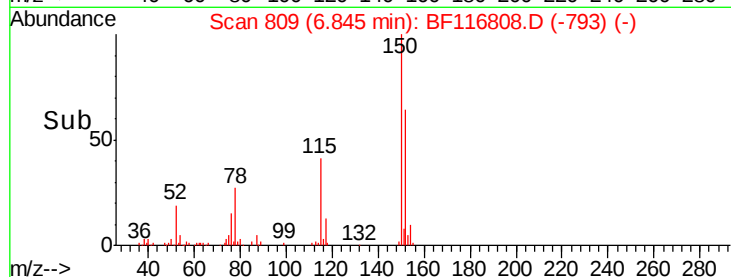
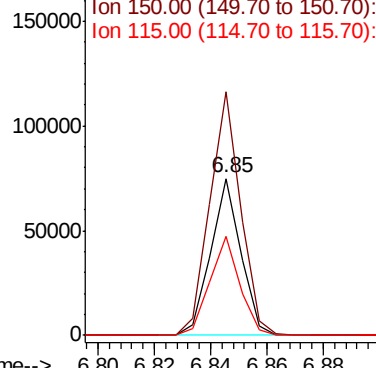


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

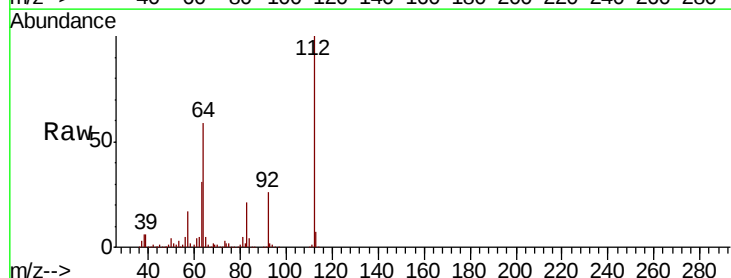
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.497 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116808.D
Acq: 4 Sep 2019 11:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.1	70.7
63	30.9	24.9	37.3

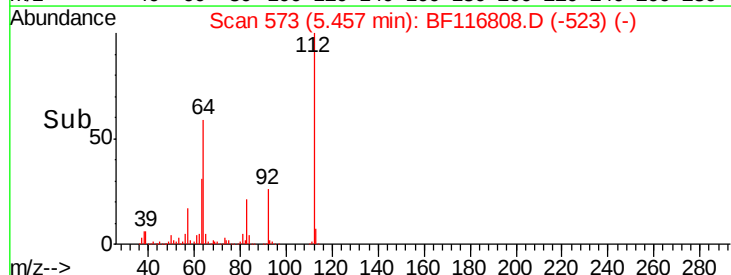
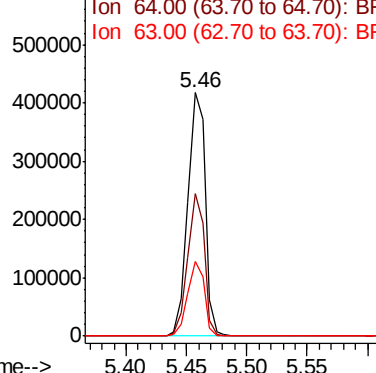


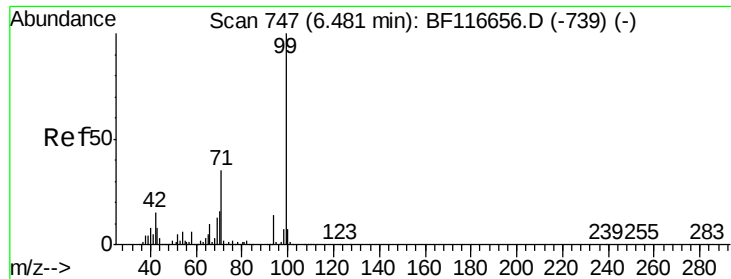
Abundance

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: 123.966 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

Instrument :

BNA_F

ClientSampleId :

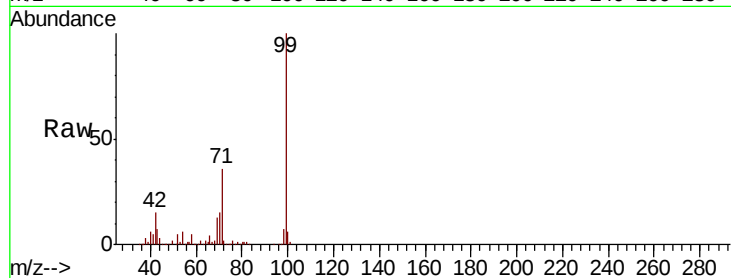
Tot Ion: 99 Resp: 558068

Ion Ratio Lower Upper

99 100

42 14.9 13.7 20.5

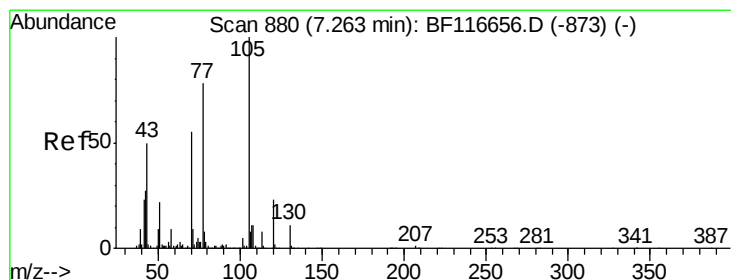
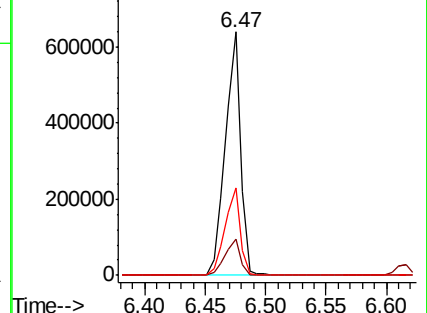
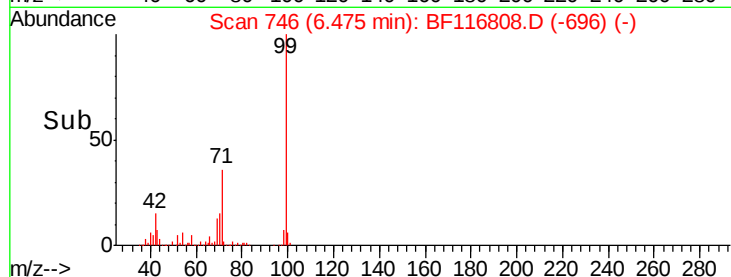
71 35.7 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 15.206 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

Tgt Ion: 70 Resp: 45072

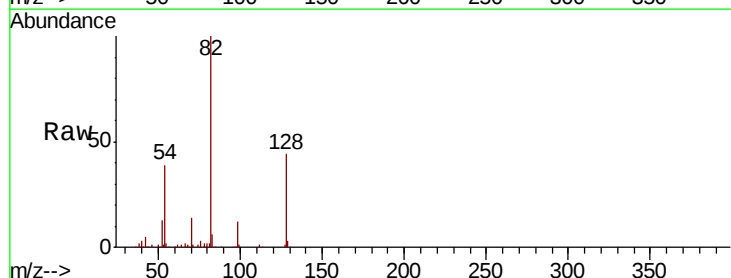
Ion Ratio Lower Upper

70 100

42 34.8 43.5 65.3#

101 0.0 7.8 11.6#

130 1.8 16.6 24.8#

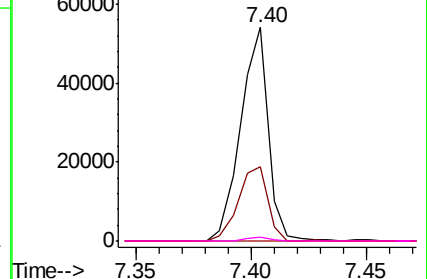
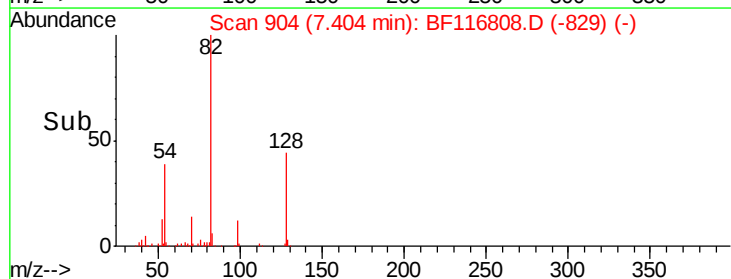


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

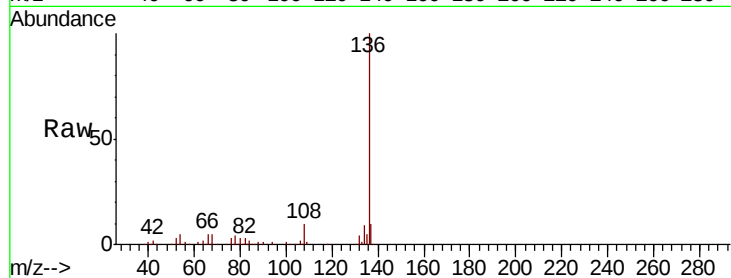




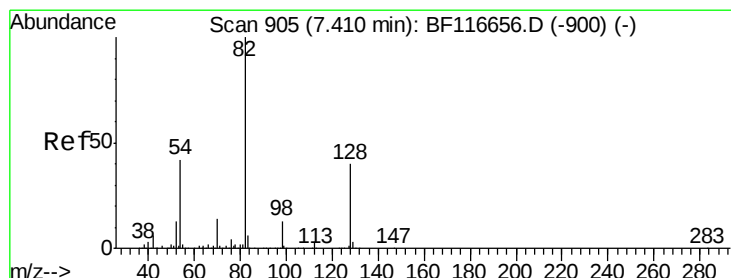
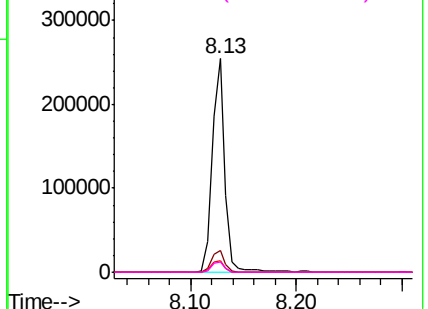
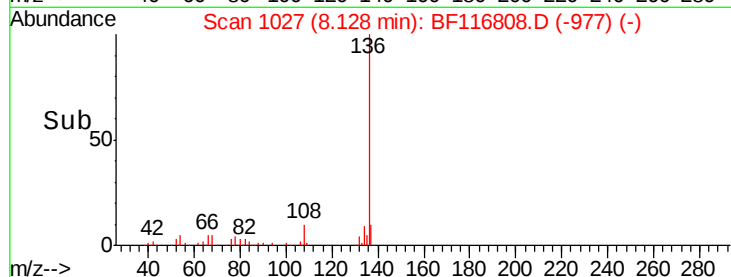
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116808.D
Acq: 4 Sep 2019 11:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	214345
Ion Ratio	Lower	Upper
136 100		
137 10.3	8.9	13.3
54 5.2	4.8	7.2
68 4.7	4.0	6.0

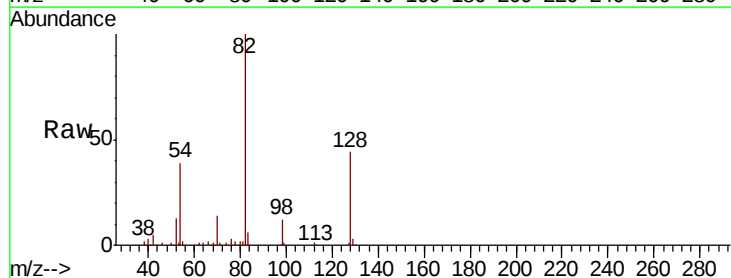


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

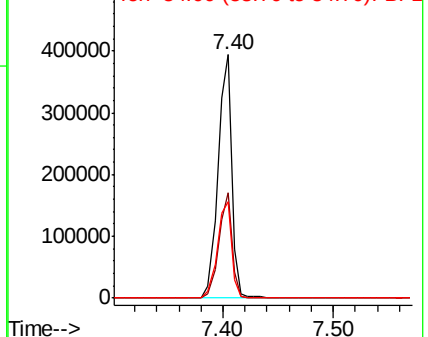
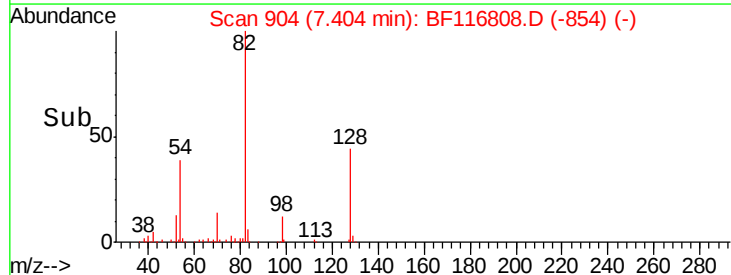


#23
Nitrobenzene-d5
Concen: 90.910 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116808.D
Acq: 4 Sep 2019 11:57

Tgt	Ion: 82	Resp:	341339
Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.8	49.2
54	39.3	36.9	55.3



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: 44.864 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

Instrument :

BNA_F

ClientSampleId :

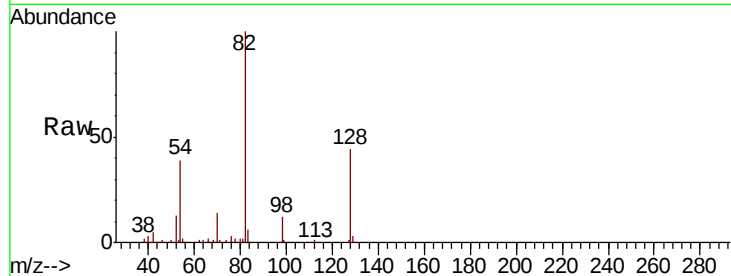
Tot Ion: 82 Resp: 341335

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

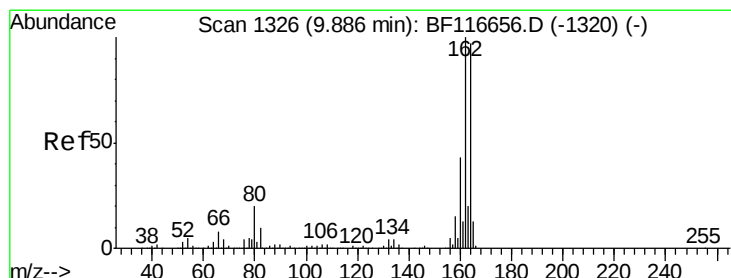
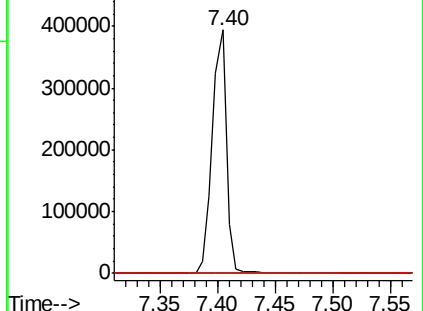
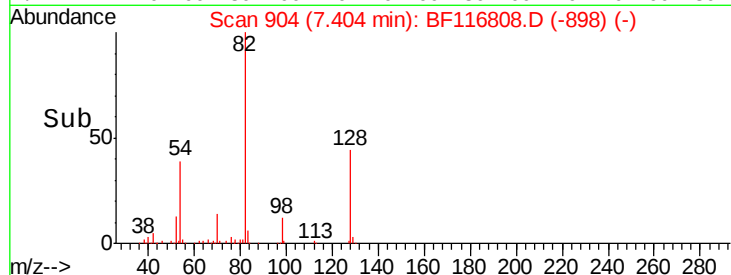
138 0.0 13.5 20.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

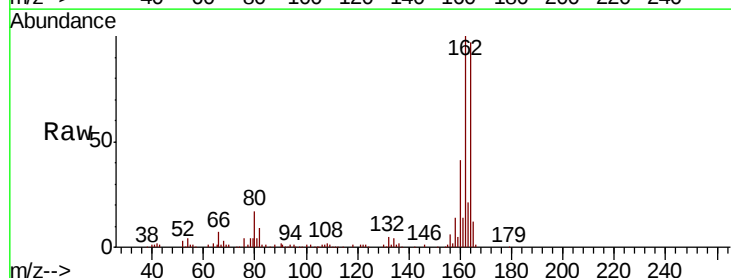
Tgt Ion: 164 Resp: 109974

Ion Ratio Lower Upper

164 100

162 103.5 81.4 122.0

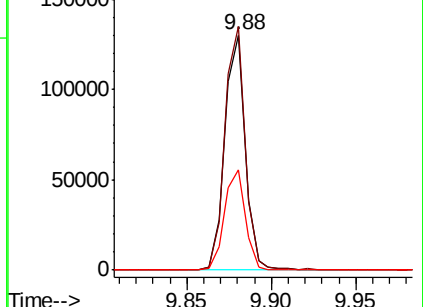
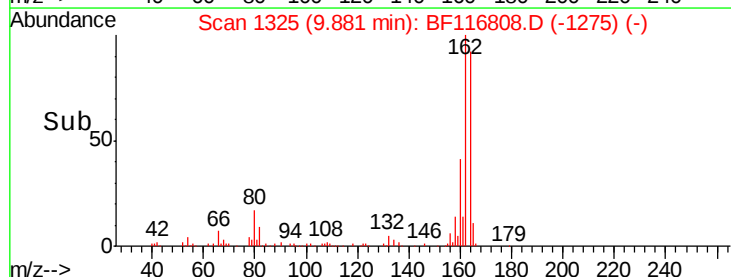
160 42.8 35.4 53.2

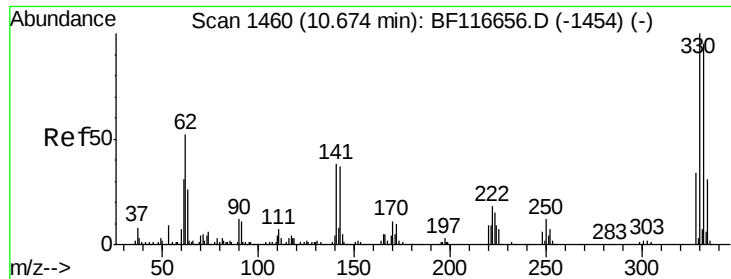


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

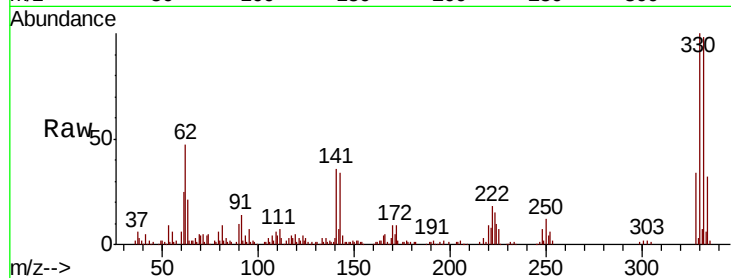




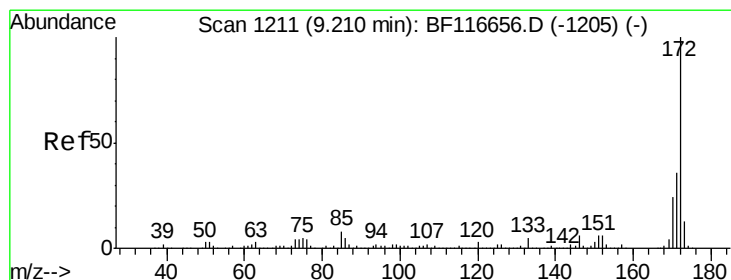
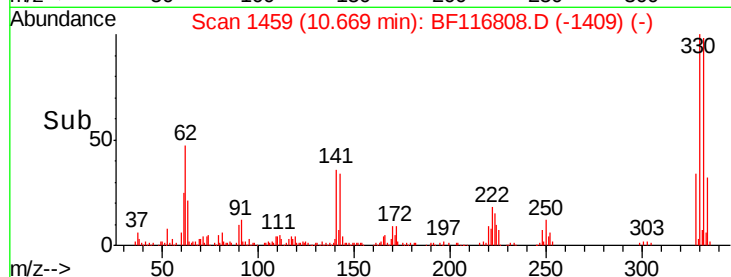
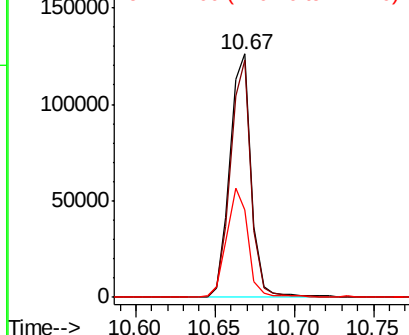
#42
 2,4,6-Tribromophenol
 Concen: 160.918 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116808.D
 Acq: 4 Sep 2019 11:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.9	115.3
141	45.3	31.4	47.2

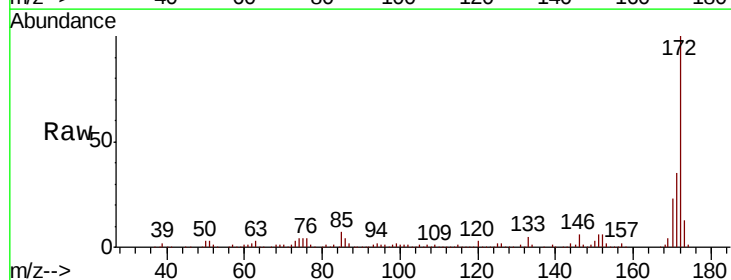


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

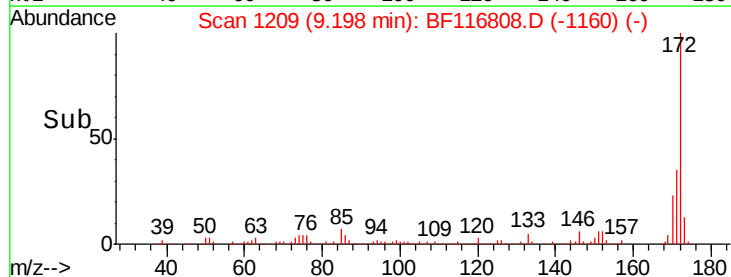
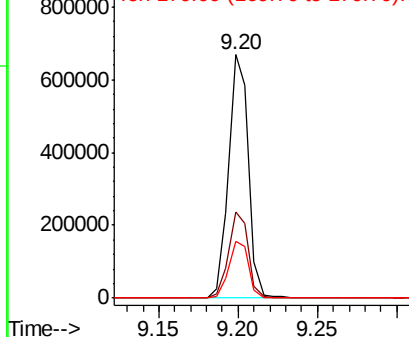


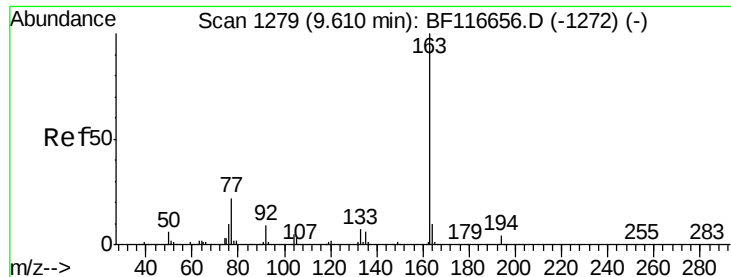
#45
 2-Fluorobiphenyl
 Concen: 88.973 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116808.D
 Acq: 4 Sep 2019 11:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.6
170	23.1	18.9	28.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

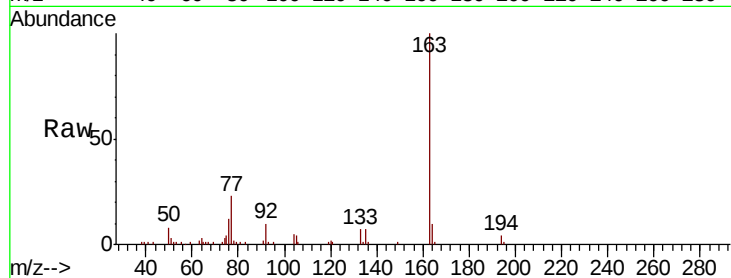




#50
Dimethylphthalate
Concen: 7.575 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116808.D
Acq: 4 Sep 2019 11:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.8	8.6	12.8

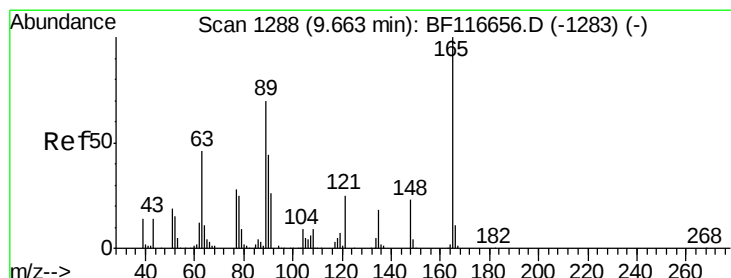
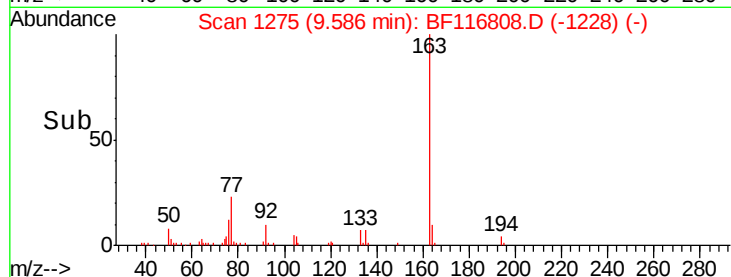
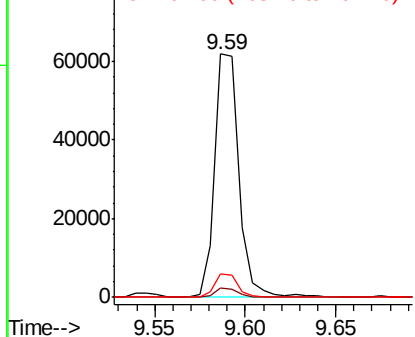


Abundance

Ion 163.00 (162.70 to 163.70): E

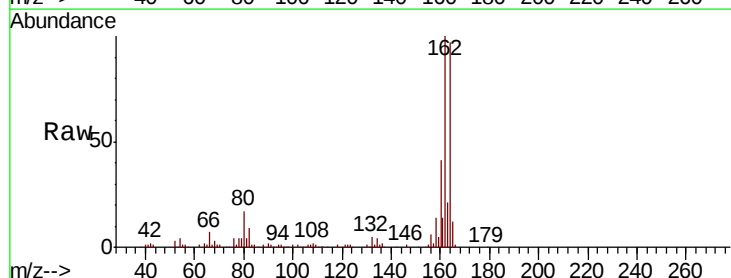
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 9.702 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116808.D
Acq: 4 Sep 2019 11:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.3	70.9#
89	0.0	52.5	78.7#

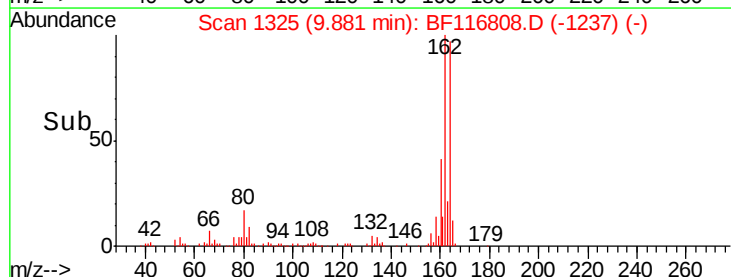
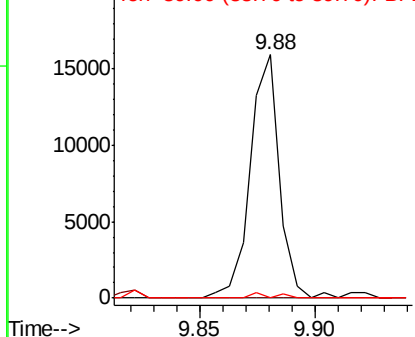


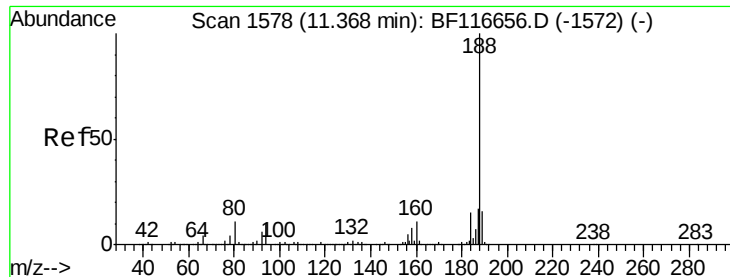
Abundance

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

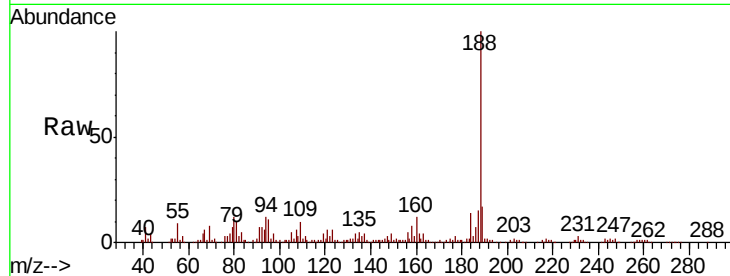




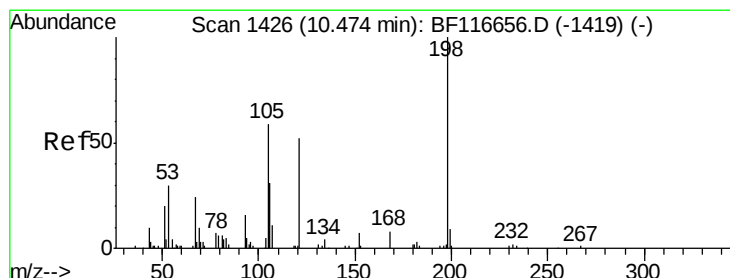
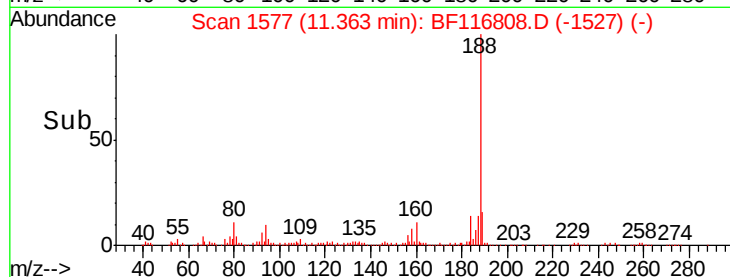
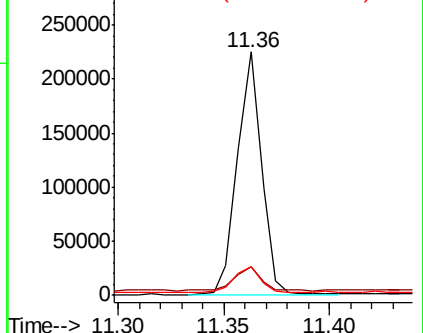
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116808.D
Acq: 4 Sep 2019 11:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 178254
Ion Ratio Lower Upper
188 100
94 11.8 7.3 10.9#
80 11.9 8.4 12.6

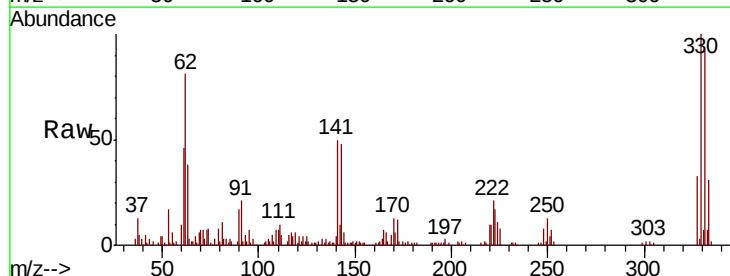


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

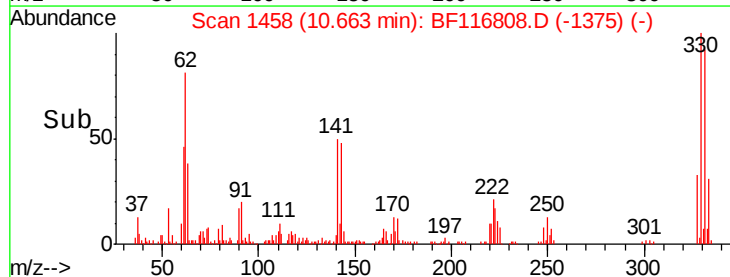
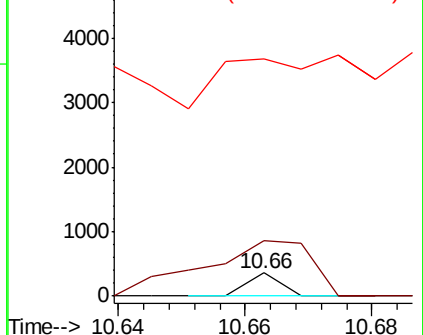


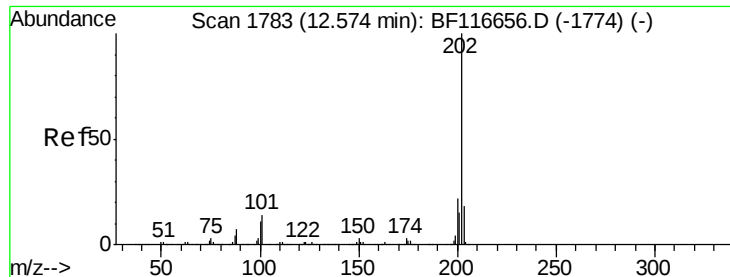
#65
4,6-Dinitro-2-methylphenol
Concen: 7.616 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.19 min
Lab File: BF116808.D
Acq: 4 Sep 2019 11:57

Tgt Ion:198 Resp: 128
Ion Ratio Lower Upper
198 100
51 237.5 18.4 58.4#
105 1010.7 22.9 62.9#



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





#75

Fluoranthene

Concen: 4.298 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

Instrument :

BNA_F

ClientSampleId :

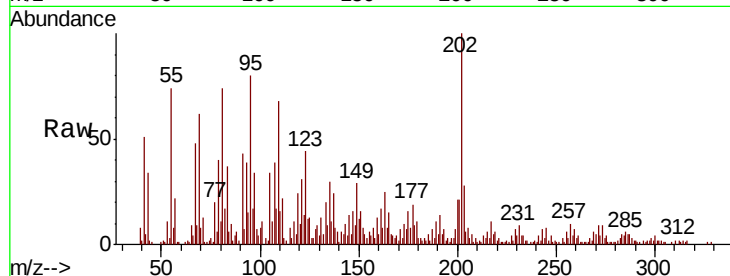
Tot Ion:202 Resp: 41916

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.3

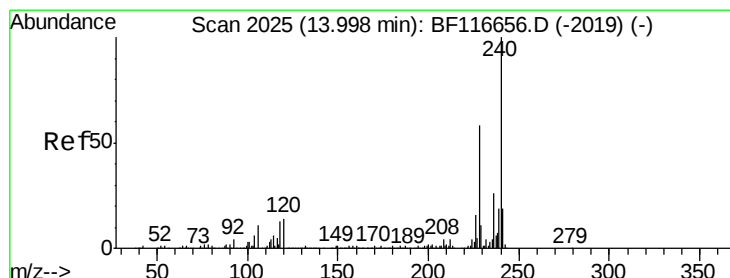
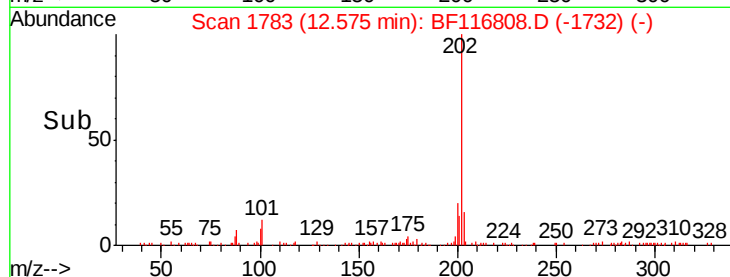
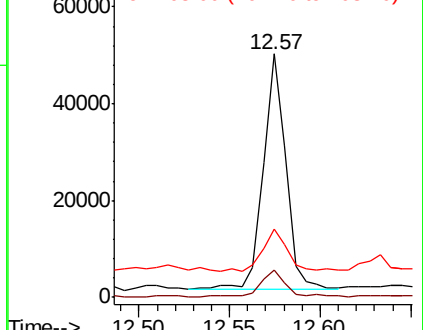
203 28.0 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

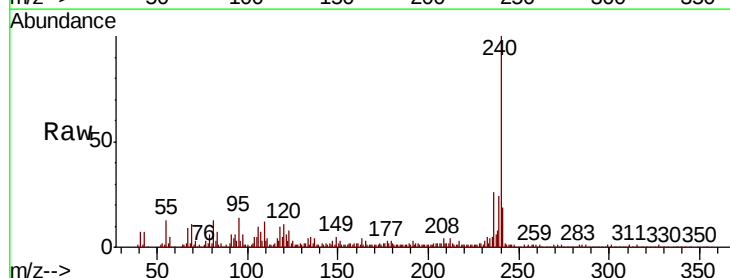
Tgt Ion:240 Resp: 151174

Ion Ratio Lower Upper

240 100

120 11.2 9.1 13.7

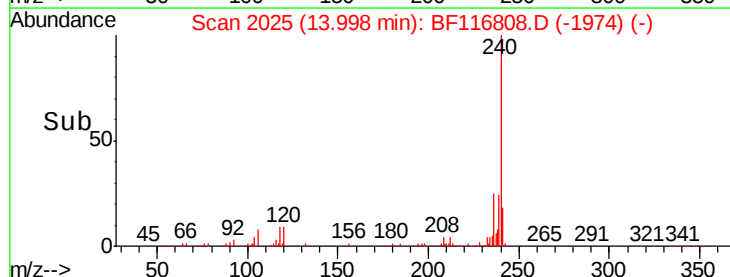
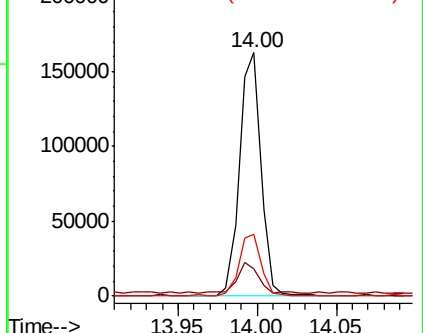
236 25.7 21.1 31.7

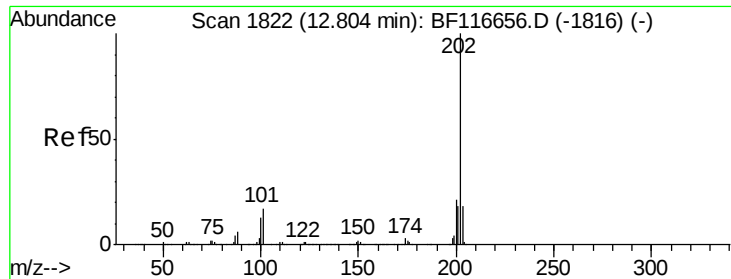


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.724 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

Instrument :

BNA_F

ClientSampleId :

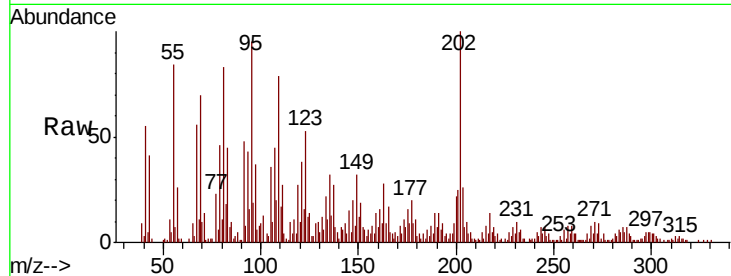
Tot Ion:202 Resp: 36611

Ion Ratio Lower Upper

202 100

200 22.4 16.5 24.7

203 26.5 13.7 20.5#

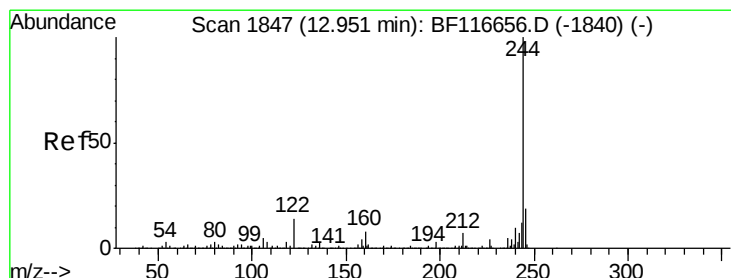
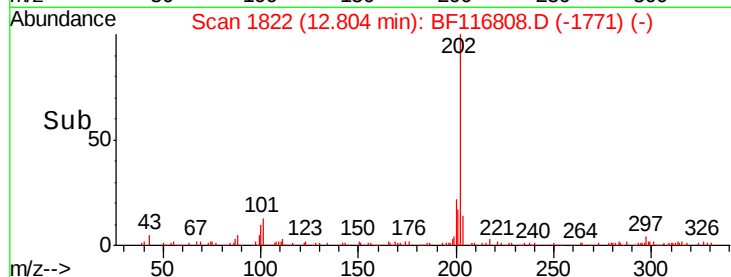
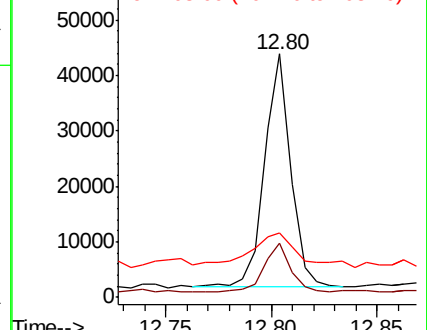


Abundance

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: 73.160 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

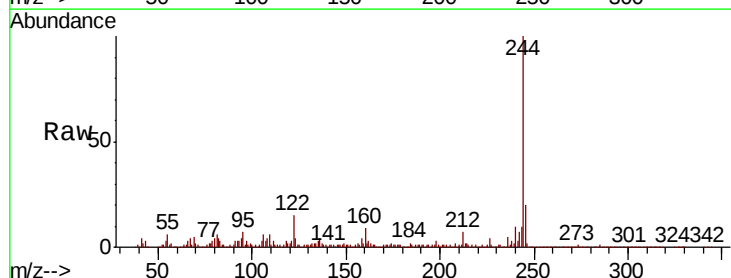
Tgt Ion:244 Resp: 597851

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 15.2 10.2 15.4

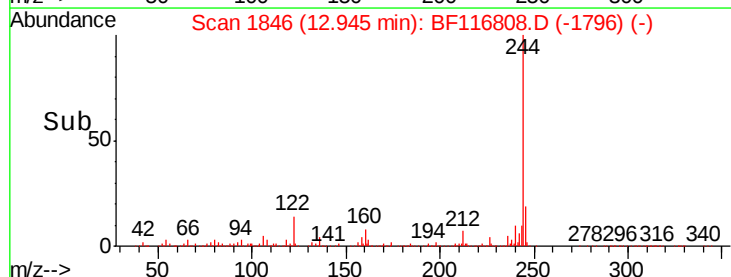
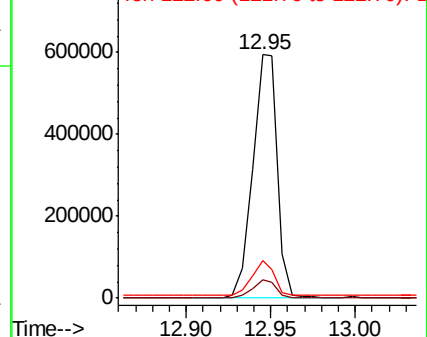


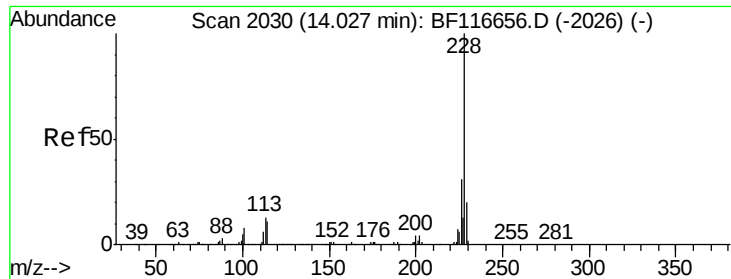
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Chrysene

Concen: 2.347 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

Instrument :

BNA_F

ClientSampleId :

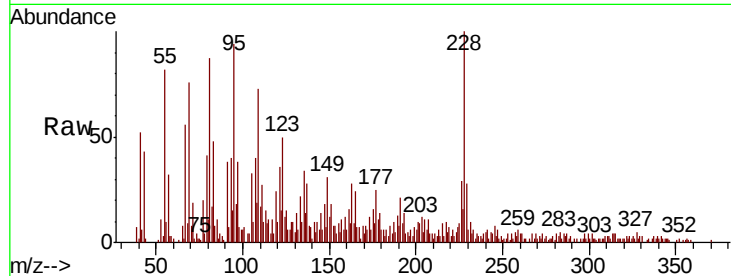
Tot Ion:228 Resp: 23135

Ion Ratio Lower Upper

228 100

226 29.3 24.0 36.0

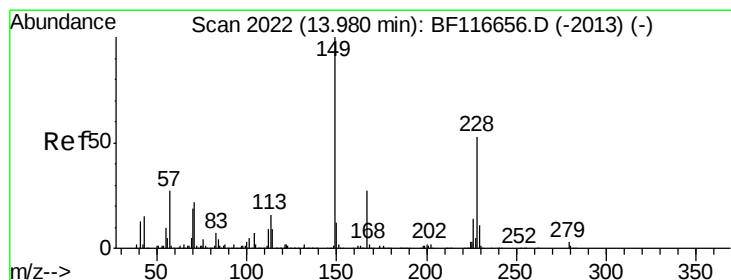
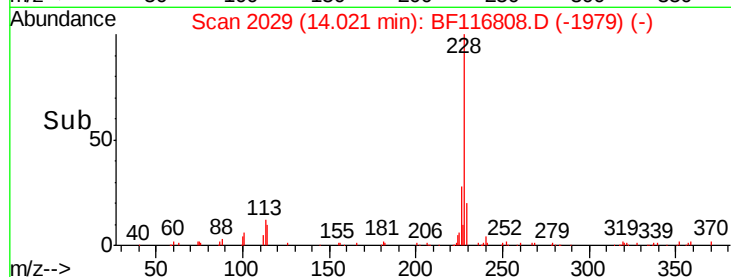
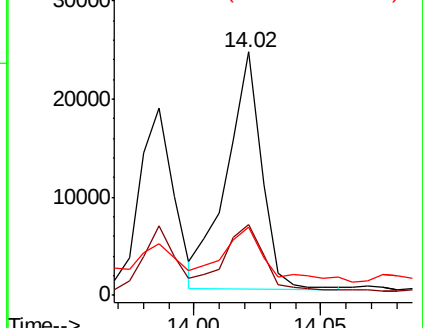
229 27.9 15.4 23.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.085 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

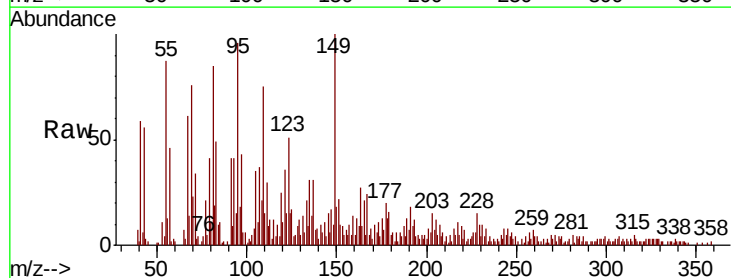
Tgt Ion:149 Resp: 16823

Ion Ratio Lower Upper

149 100

167 24.2 21.0 31.4

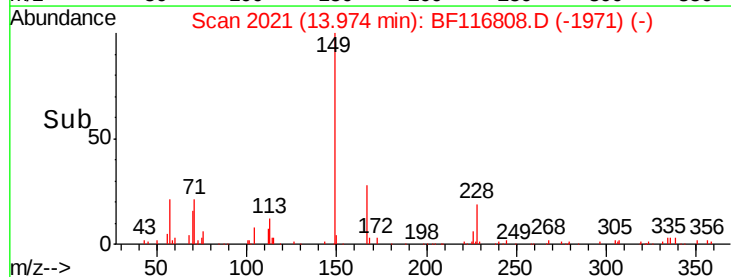
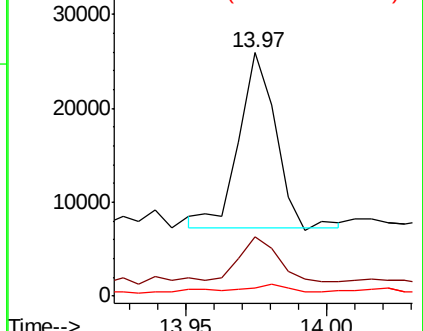
279 3.3 2.8 4.2

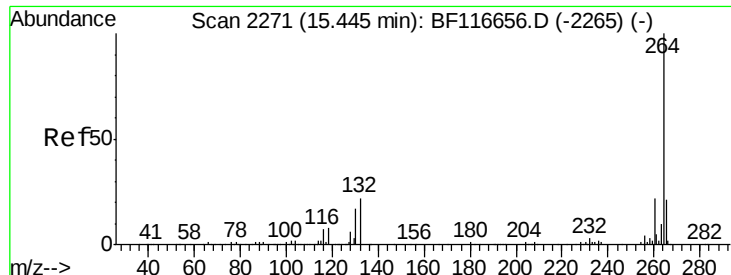


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

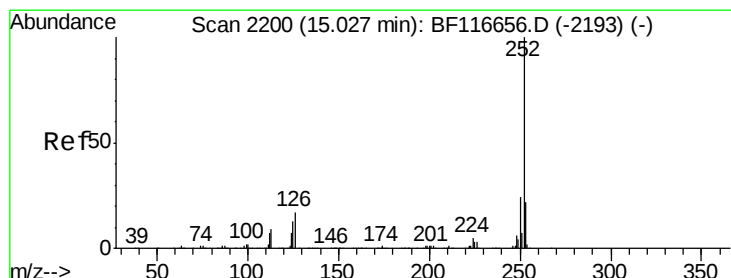
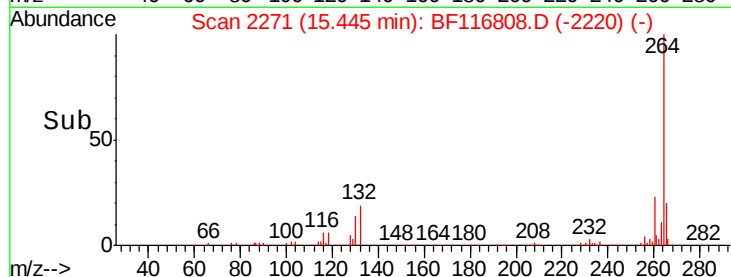
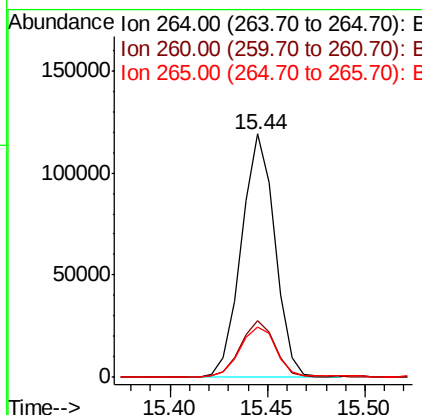
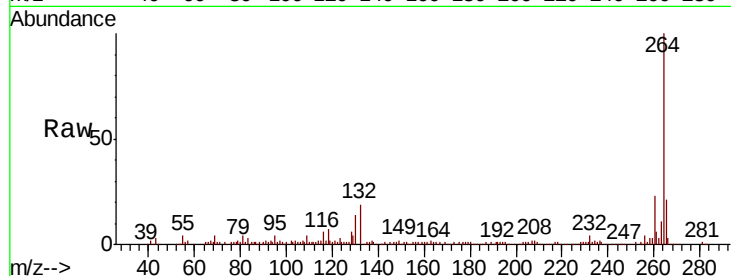




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116808.D
Acq: 4 Sep 2019 11:57

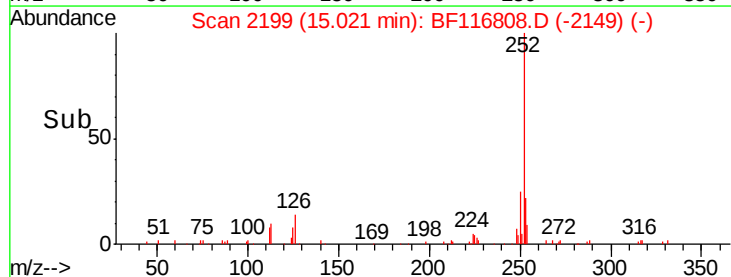
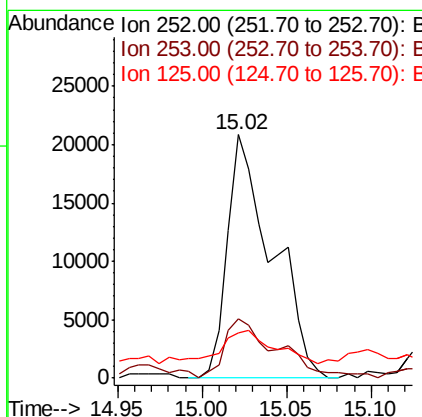
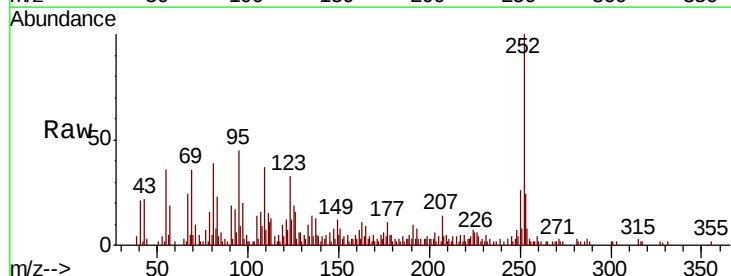
Instrument :
BNA_F
ClientSampleId :

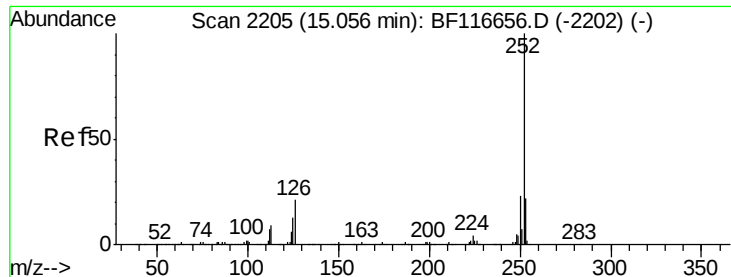
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.3	27.5
265	20.5	16.5	24.7



#88
Benzo(b)fluoranthene
Concen: 4.452 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116808.D
Acq: 4 Sep 2019 11:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.7	26.5
125	18.7	8.2	12.2#





#89

Benzo(k)fluoranthene

Concen: 4.882 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.04 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

Instrument :

BNA_F

ClientSampleId :

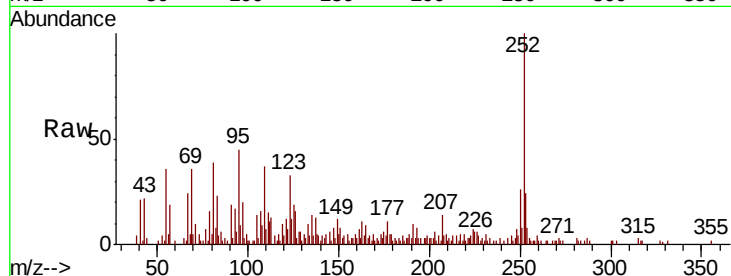
Tot Ion:252 Resp: 38268

Ion Ratio Lower Upper

252 100

253 24.3 17.7 26.5

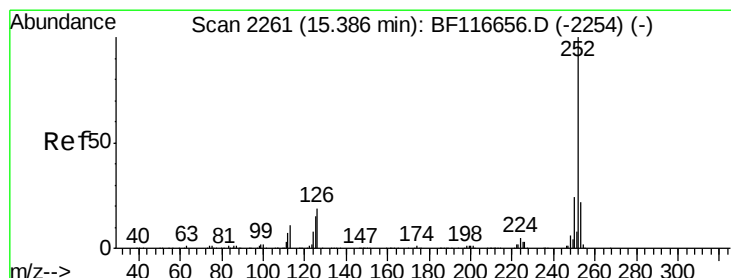
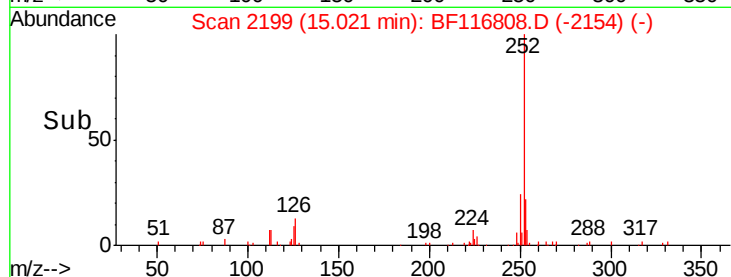
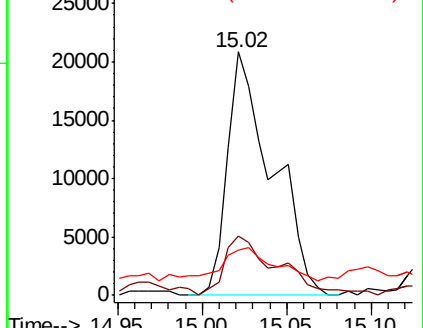
125 18.7 8.6 13.0#



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



#90

Benzo(a)pyrene

Concen: 2.213 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BF116808.D

Acq: 4 Sep 2019 11:57

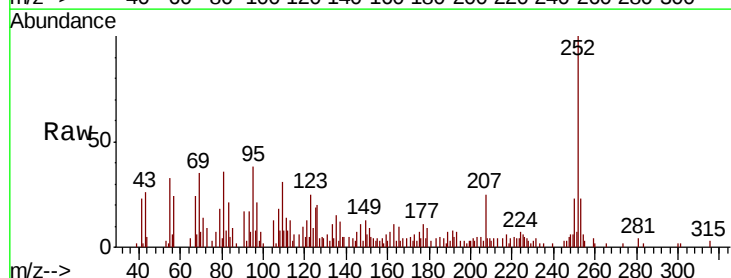
Tgt Ion:252 Resp: 16551

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

125 18.8 9.8 14.8#



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

