

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
 Data File : BF108557.D
 Acq On : 28 Aug 2018 16:05
 Operator : JU/SJ
 Sample : J4280-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 17:00:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

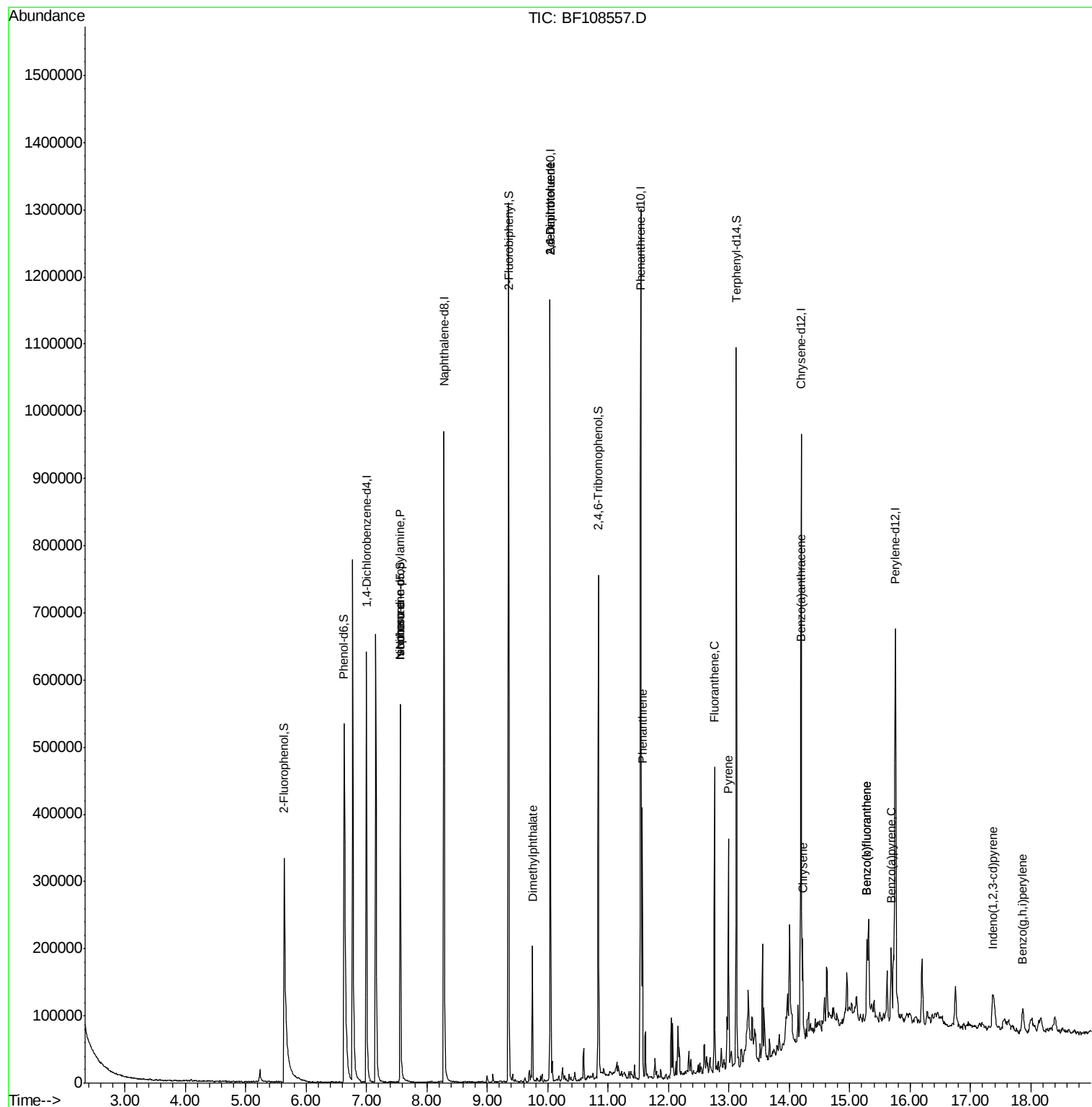
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	112416	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	447736	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	228357	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	436539	20.00	ng	0.00
75) Chrysene-d12	14.19	240	270564	20.00	ng	0.00
86) Perylene-d12	15.75	264	302378	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	221243	35.63	ng	0.00
7) Phenol-d6	6.63	99	304520	36.91	ng	0.00
23) Nitrobenzene-d5	7.56	82	194850	24.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	84791	37.22	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	380039	26.72	ng	-0.01
78) Terphenyl-d14	13.12	244	330732	31.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	25711	4.608	ng	# 80
25) Isophorone	7.56	82	194848	12.741	ng	# 64
49) Dimethylphthalate	9.75	163	76980	4.839	ng	100
50) 2,6-Dinitrotoluene	10.04	165	29769	8.945	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	29769	6.949	ng	# 23
70) Phenanthrene	11.57	178	144094	6.998	ng	97
74) Fluoranthene	12.76	202	172058	7.657	ng	93
77) Pyrene	12.99	202	141186	8.242	ng	98
80) Benzo(a)anthracene	14.18	228	61153	3.938	ng	98
82) Chrysene	14.22	228	56789	3.989	ng	98
85) Indeno(1,2,3-cd)pyrene	17.37	276	34960	2.834	ng	# 89
87) Benzo(b)fluoranthene	15.28	252	100172	5.544	ng	96
88) Benzo(k)fluoranthene	15.28	252	100172	6.031	ng	96
89) Benzo(a)pyrene	15.69	252	55832	3.451	ng	95
91) Benzo(a,h,i)perylene	17.87	276	30968	2.349	ng	# 90

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

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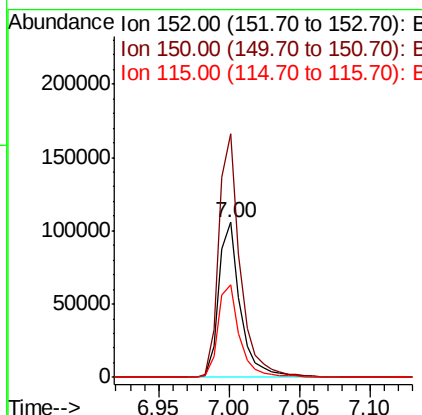
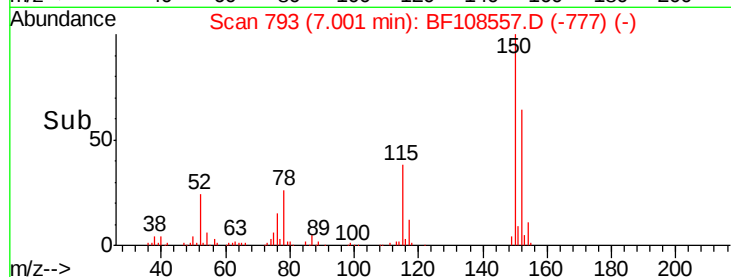
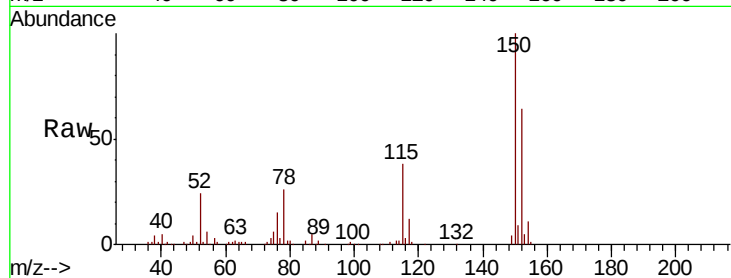


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108557.D
Acq: 28 Aug 2018 16:05

Instrument :
BNA_F
ClientSampled :

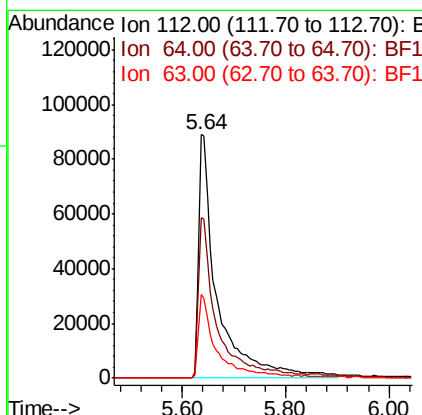
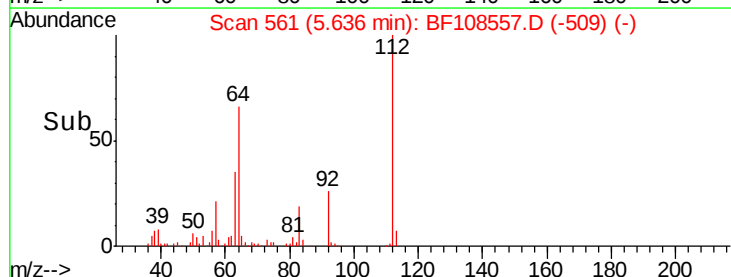
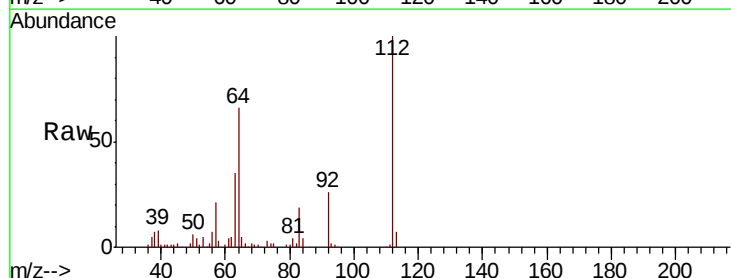
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	60.0	50.1	75.1



#5

2-Fluorophenol
Concen: 35.631 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108557.D
Acq: 28 Aug 2018 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	47.9	71.9
63	34.6	23.7	35.5





#7

Phenol-d6

Concen: 36.906 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108557.D

Acq: 28 Aug 2018 16:05

Instrument :

BNA_F

ClientSampled :

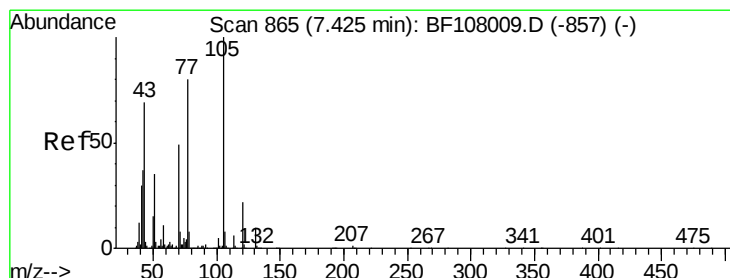
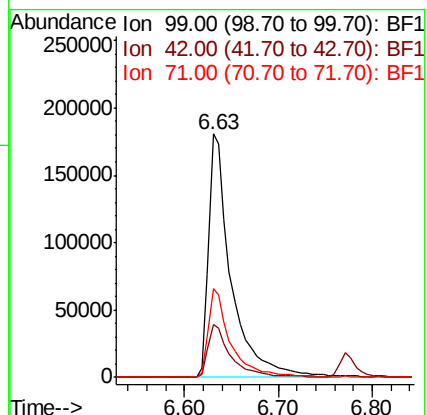
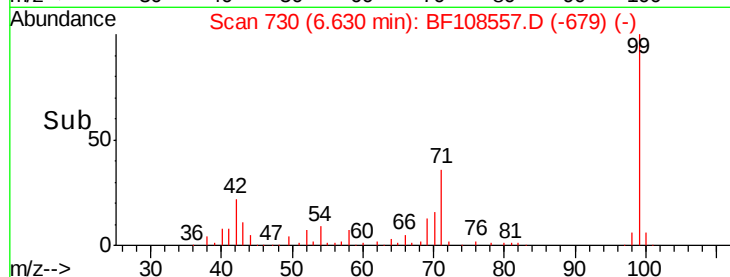
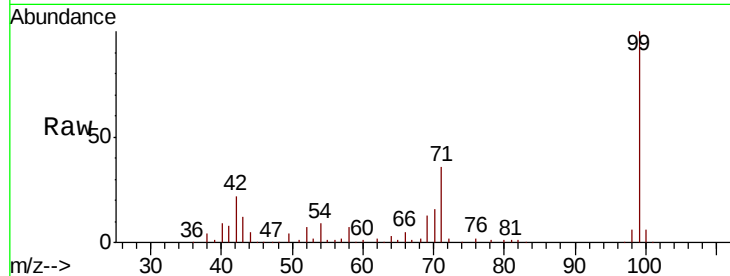
Tot Ion: 99 Resp: 304520

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

71 36.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.608 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108557.D

Acq: 28 Aug 2018 16:05

Tgt Ion: 70 Resp: 25711

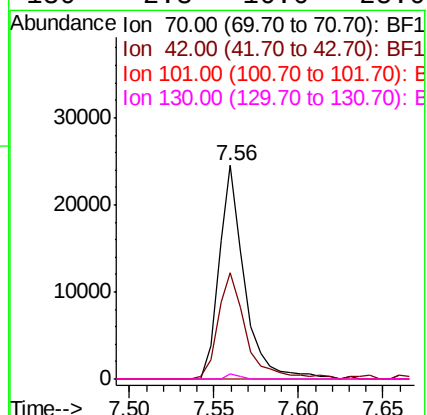
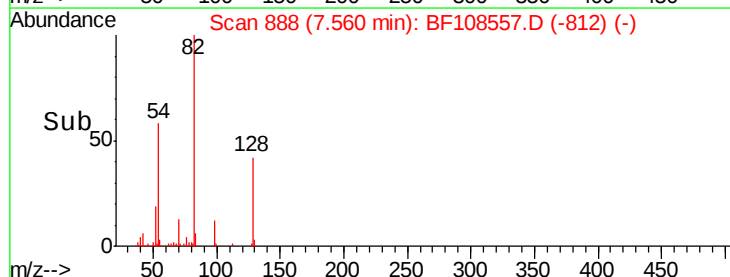
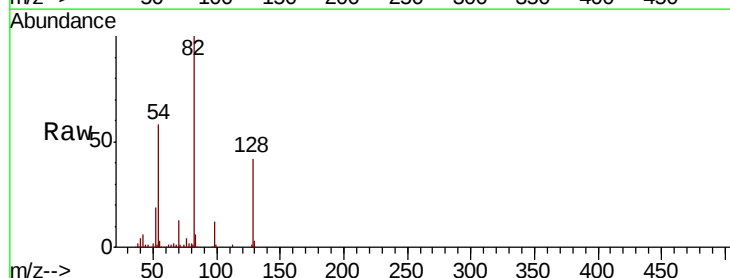
Ion Ratio Lower Upper

70 100

42 49.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

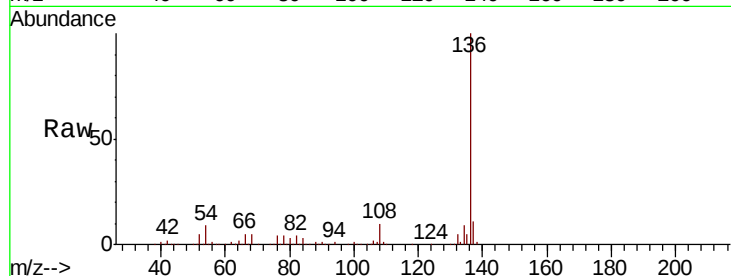




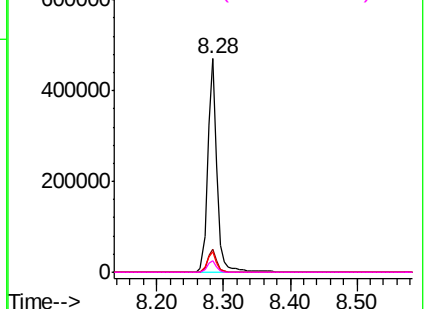
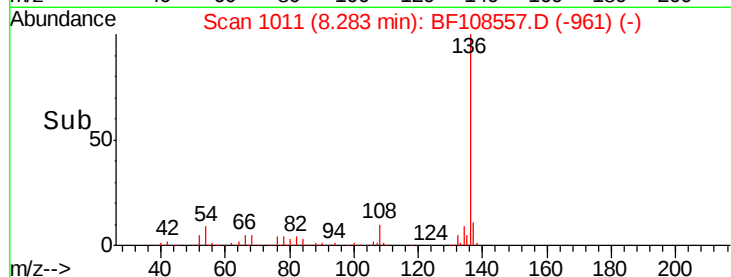
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108557.D
Acq: 28 Aug 2018 16:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	447736
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.9	13.3
54 9.3	6.6	9.8
68 5.4	5.0	7.4

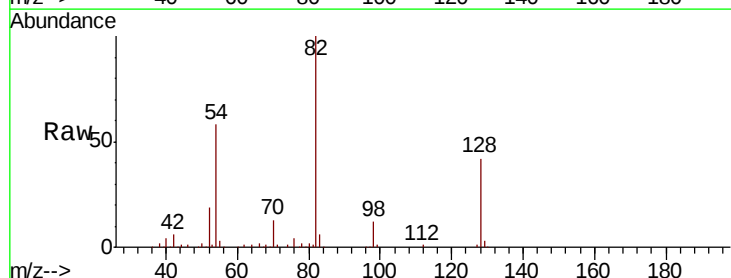


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

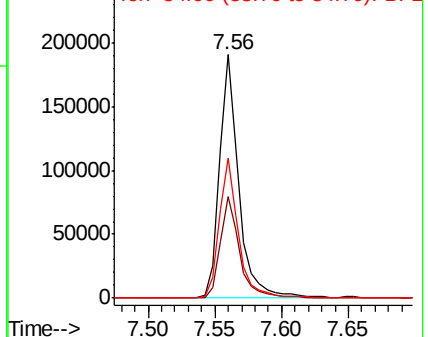
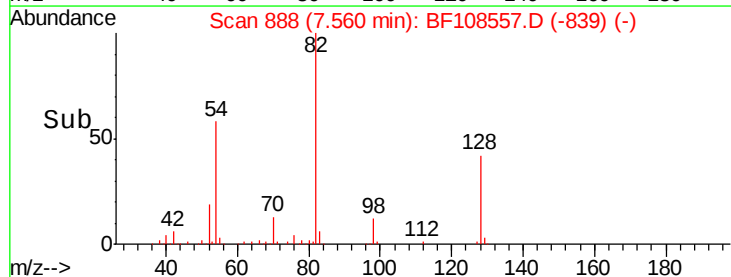


#23
Nitrobenzene-d5
Concen: 24.284 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108557.D
Acq: 28 Aug 2018 16:05

Tgt Ion: 82	Resp: 194850
Ion Ratio	Lower Upper
82 100	
128 41.8	36.1 54.1
54 57.5	41.4 62.2



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: 12.741 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF108557.D

Acq: 28 Aug 2018 16:05

Instrument :

BNA_F

ClientSampled :

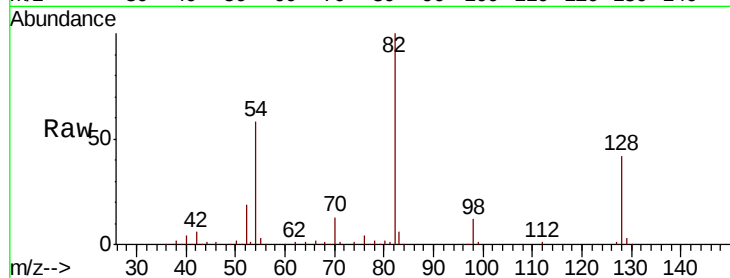
Tot Ion: 82 Resp: 194848

Ion Ratio Lower Upper

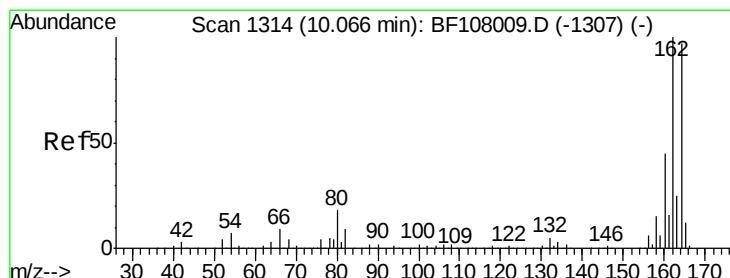
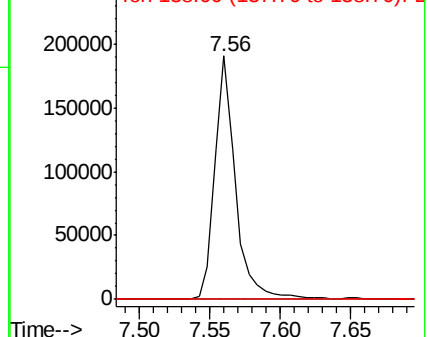
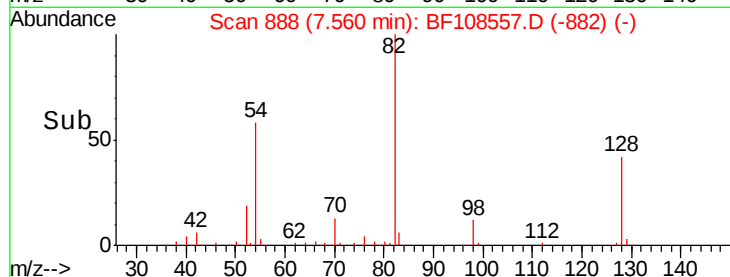
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108557.D

Acq: 28 Aug 2018 16:05

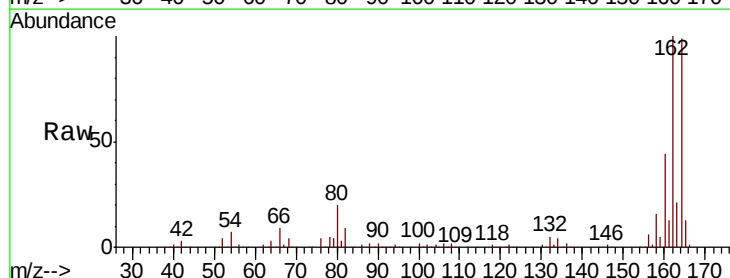
Tgt Ion: 164 Resp: 228357

Ion Ratio Lower Upper

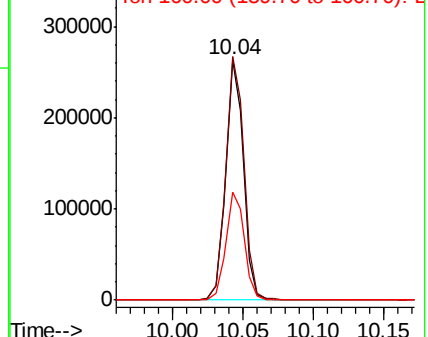
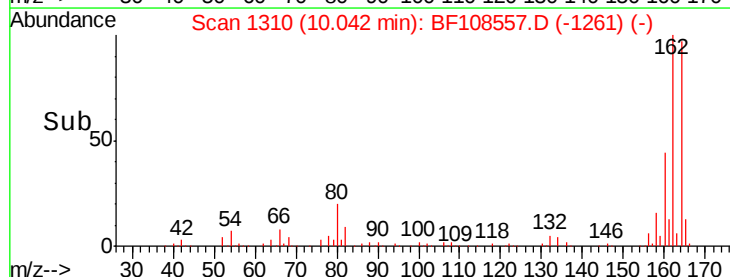
164 100

162 101.5 86.1 129.1

160 44.9 38.3 57.5



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

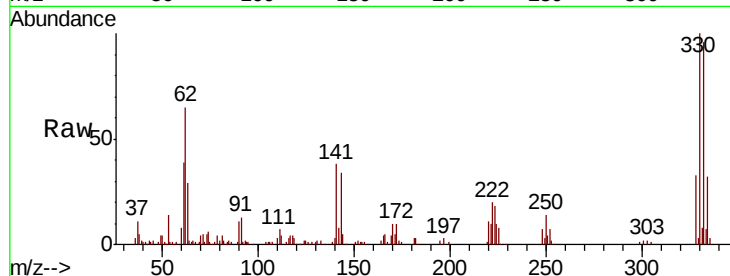




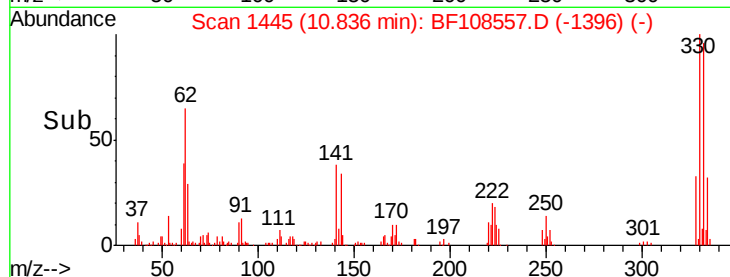
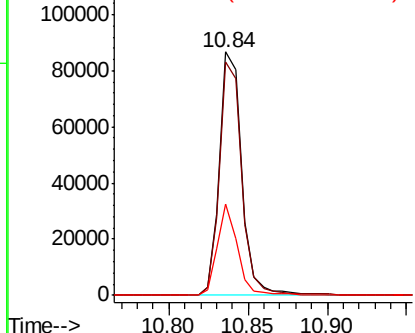
#41
 2,4,6-Tribromophenol
 Concen: 37.225 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108557.D
 Acq: 28 Aug 2018 16:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 84791
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 33.8 29.9 44.9

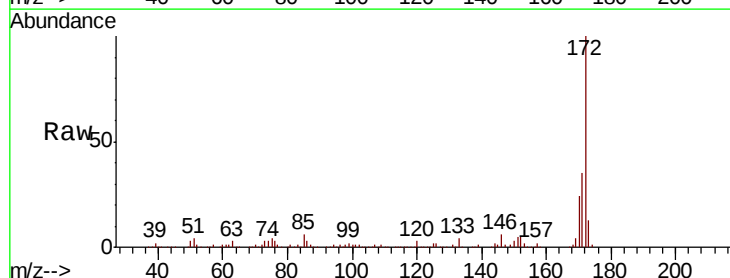


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

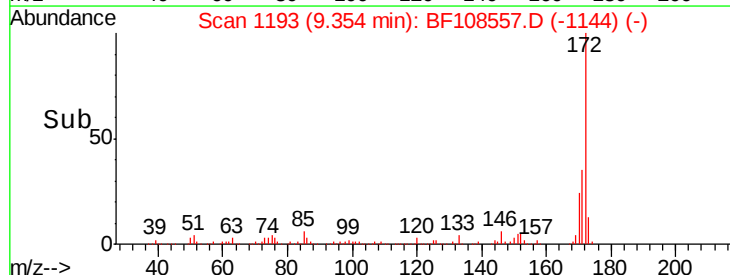
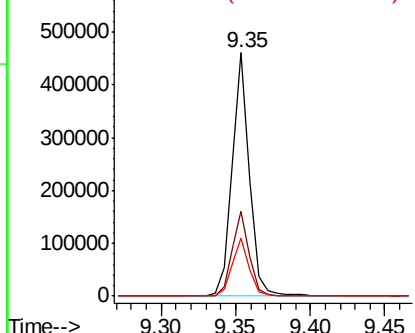


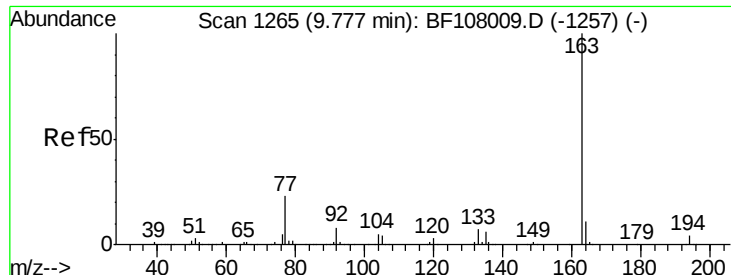
#44
 2-Fluorobiphenyl
 Concen: 26.719 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108557.D
 Acq: 28 Aug 2018 16:05

Tgt Ion:172 Resp: 380039
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.8 19.6 29.4



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

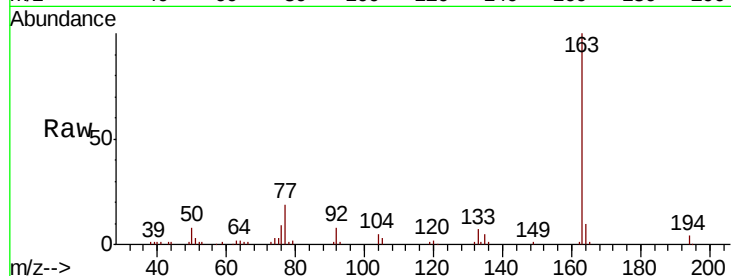




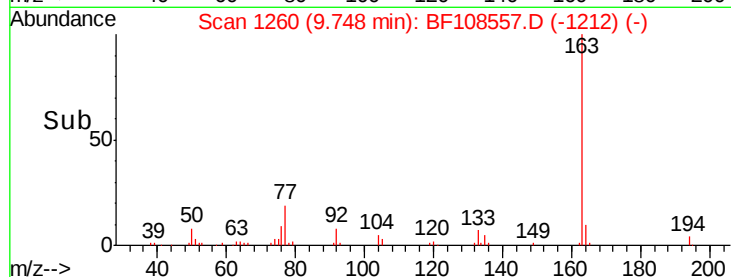
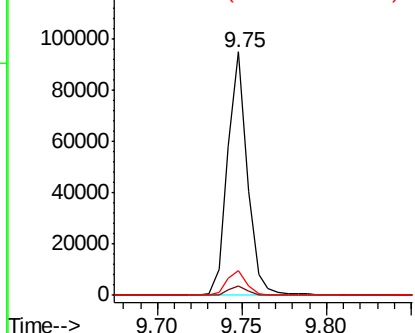
#49
Dimethylphthalate
Concen: 4.839 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108557.D
Acq: 28 Aug 2018 16:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 76980
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.3 8.2 12.2

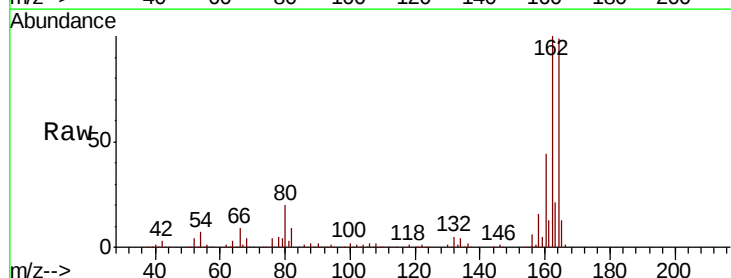


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

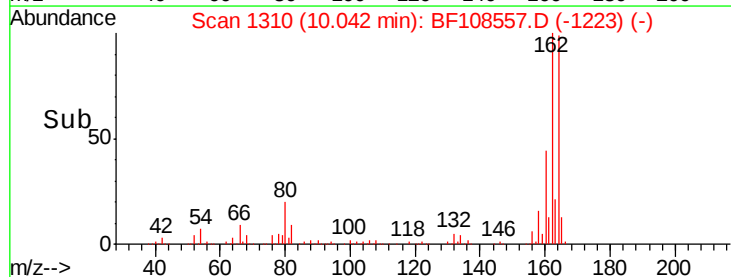
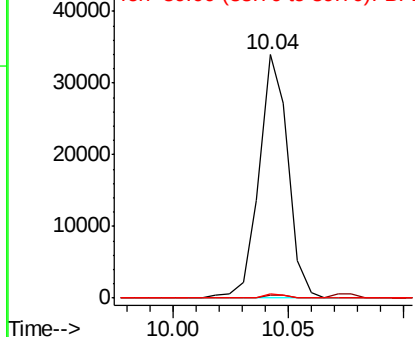


#50
2,6-Dinitrotoluene
Concen: 8.945 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108557.D
Acq: 28 Aug 2018 16:05

Tgt Ion:165 Resp: 29769
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.8 44.0 66.0#



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

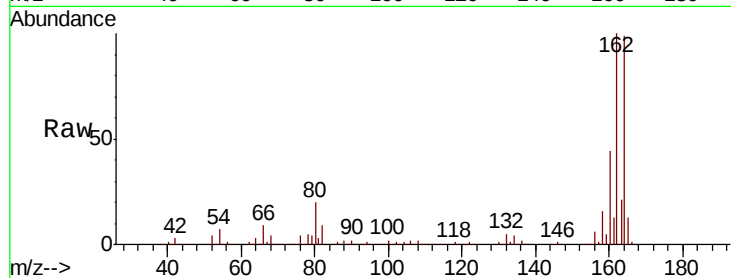




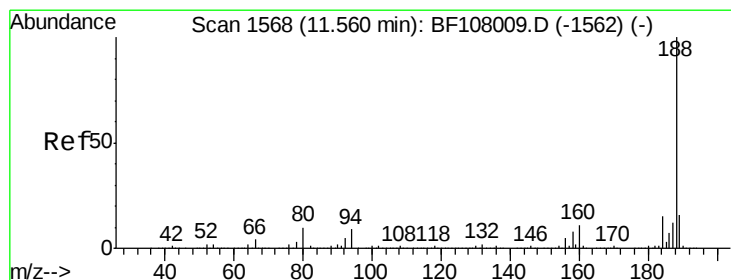
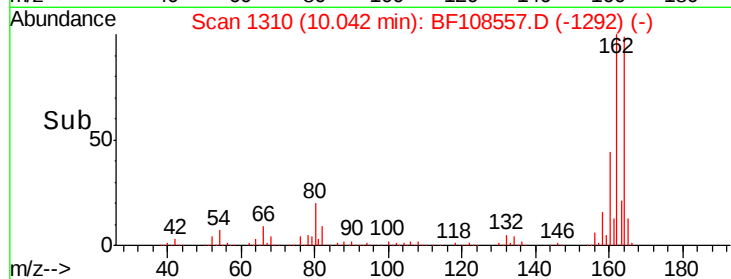
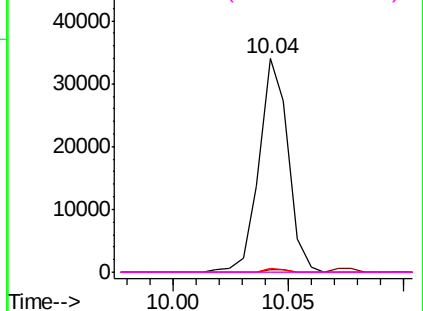
#56
 2,4-Dinitrotoluene
 Concen: 6.949 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108557.D
 Acq: 28 Aug 2018 16:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	165	Resp:	29769
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

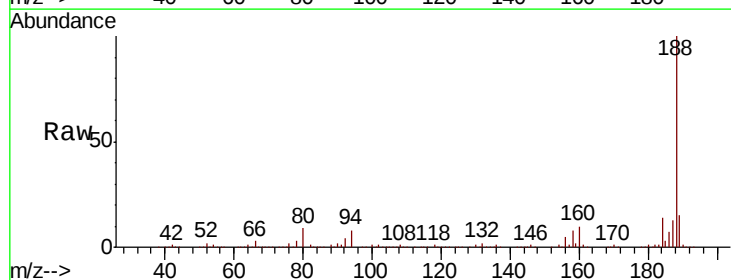


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

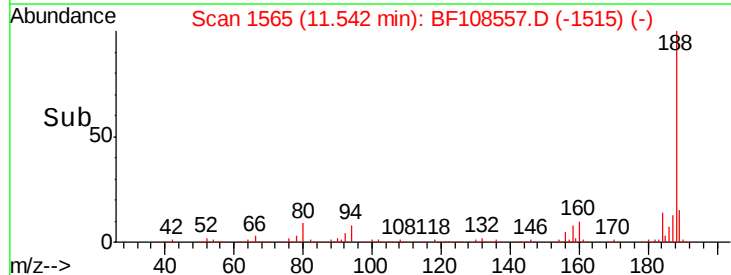
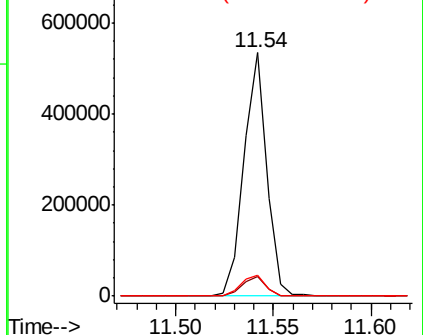


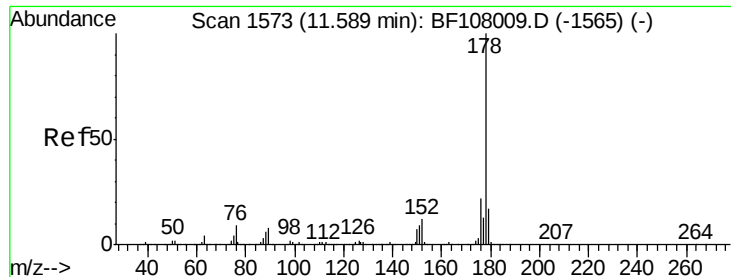
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108557.D
 Acq: 28 Aug 2018 16:05

Tgt Ion:	188	Resp:	436539
Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	8.6	9.2	13.8#



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





#70

Phenanthrene

Concen: 6.998 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF108557.D

Acq: 28 Aug 2018 16:05

Instrument :

BNA_F

ClientSampleId :

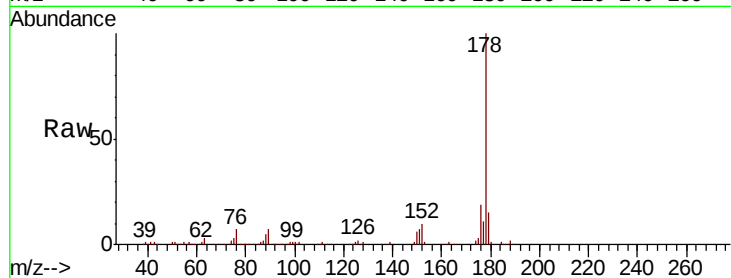
Tot Ion:178 Resp: 144094

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

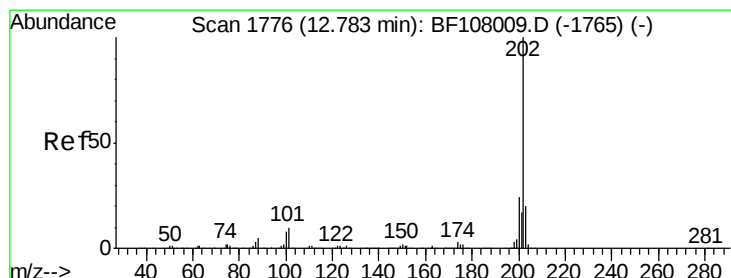
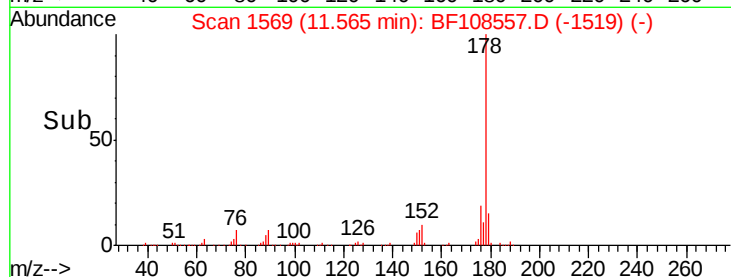
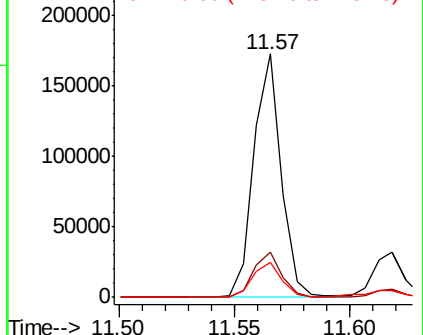
179 14.5 13.0 19.6



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

Fluoranthene

Concen: 7.657 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108557.D

Acq: 28 Aug 2018 16:05

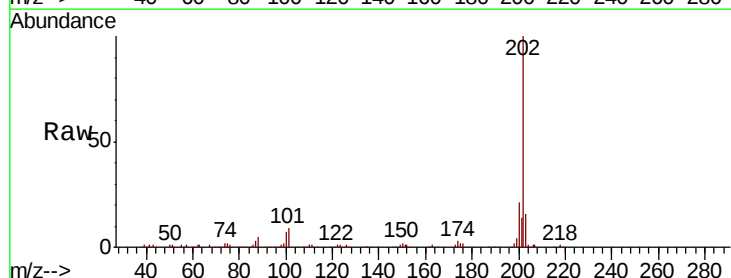
Tgt Ion:202 Resp: 172058

Ion Ratio Lower Upper

202 100

101 9.4 0.0 34.1

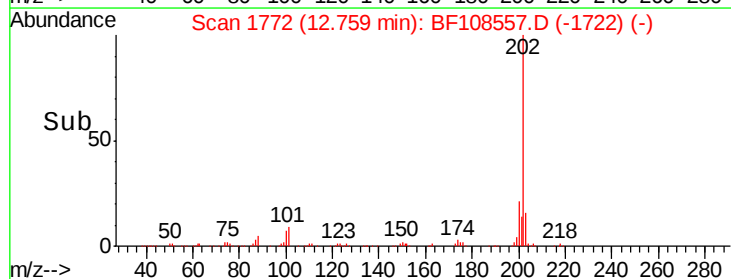
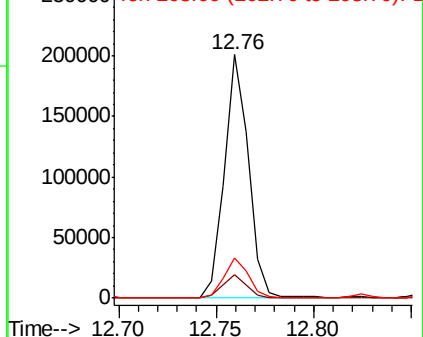
203 16.5 0.0 38.1

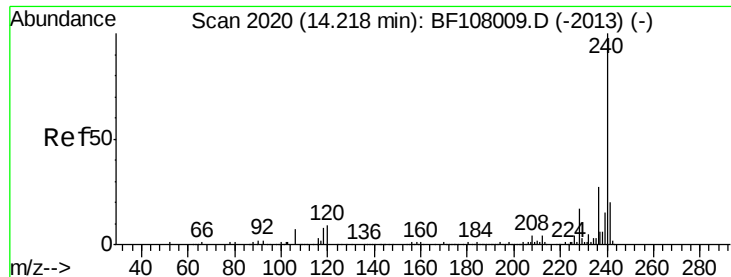


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108557.D

Acq: 28 Aug 2018 16:05

Instrument :

BNA_F

ClientSampleId :

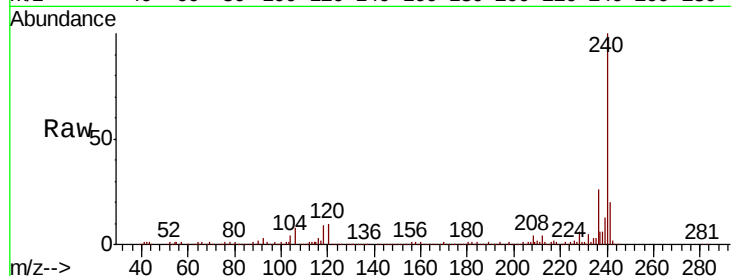
Tot Ion:240 Resp: 270564

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

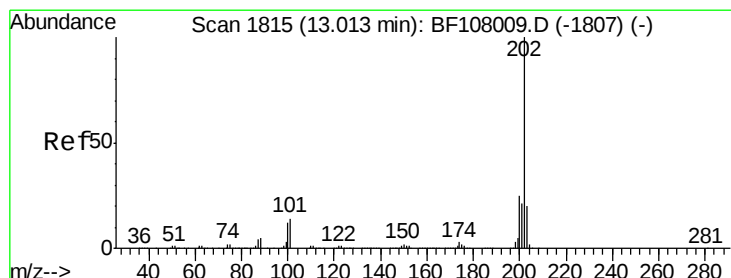
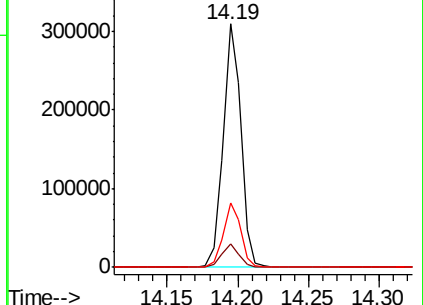
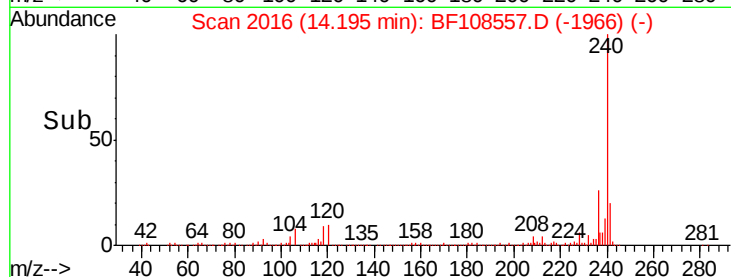
236 26.4 20.7 31.1



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

Pyrene

Concen: 8.242 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108557.D

Acq: 28 Aug 2018 16:05

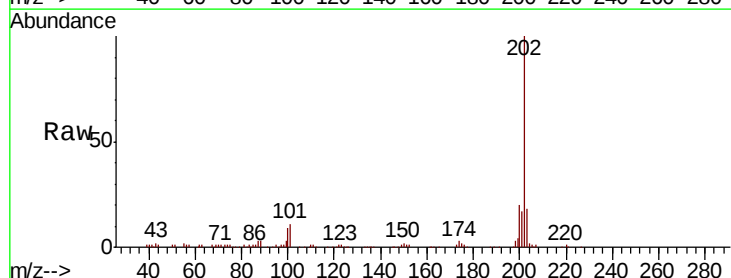
Tgt Ion:202 Resp: 141186

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

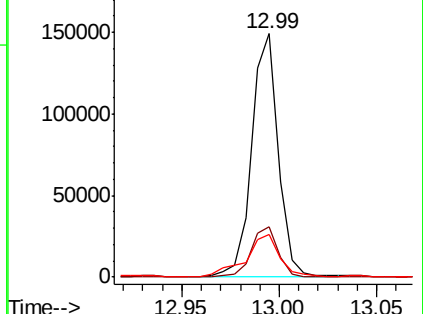
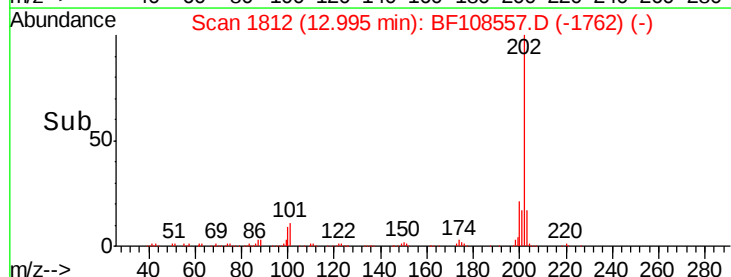
203 17.5 14.3 21.5

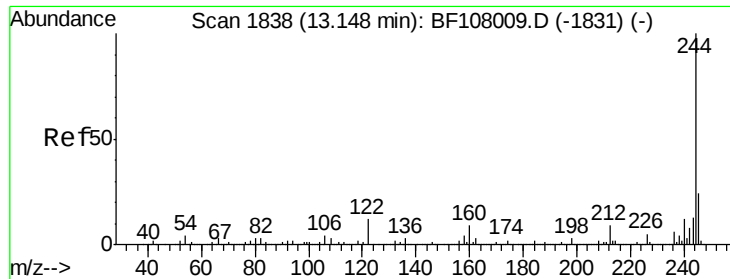


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

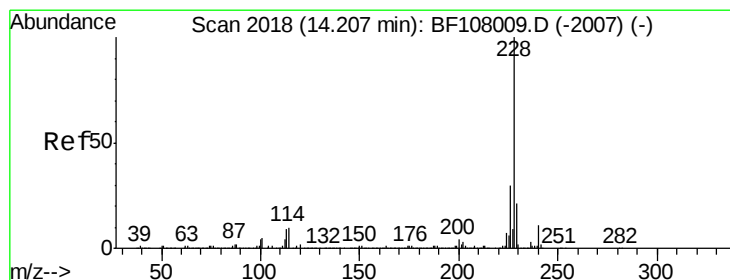
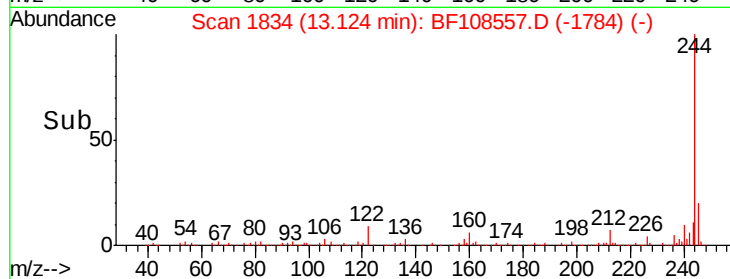
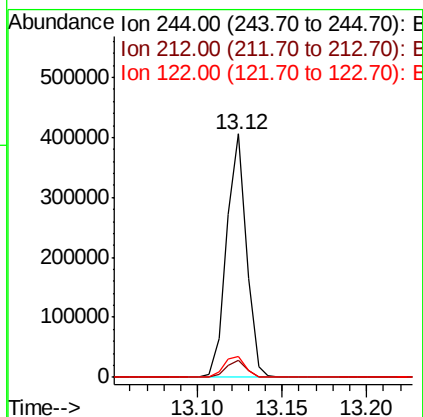
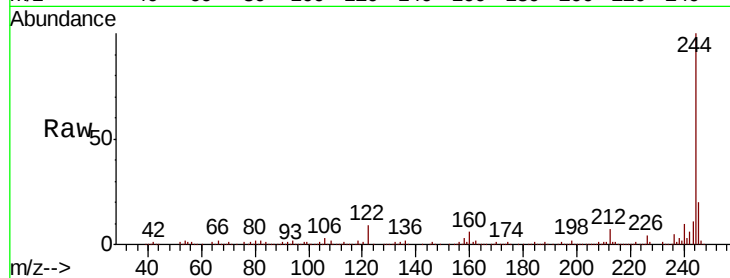




#78
 Terphenyl-d14
 Concen: 31.080 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108557.D
 Acq: 28 Aug 2018 16:05

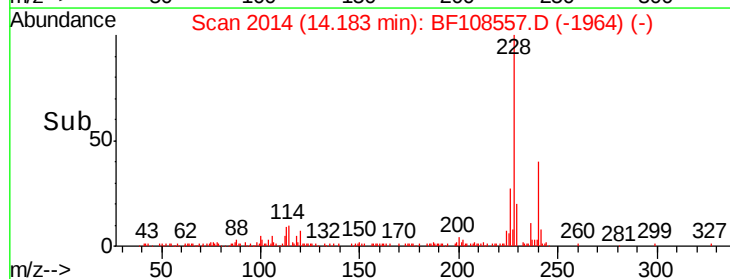
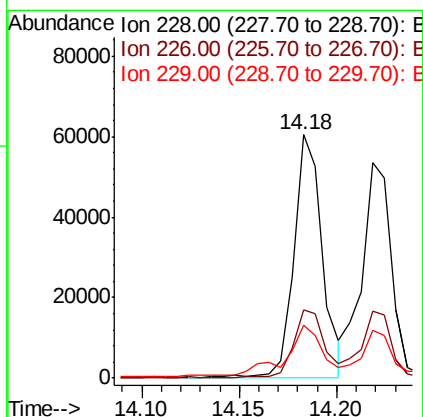
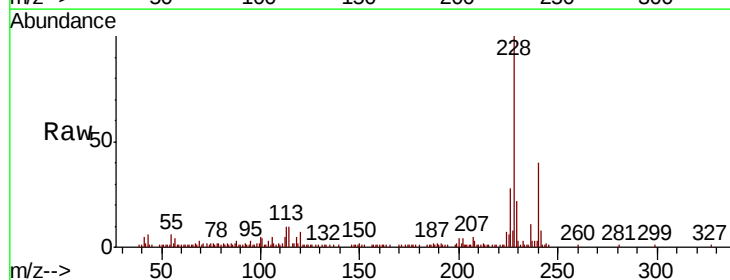
Instrument :
 BNA_F
 ClientSampleId :

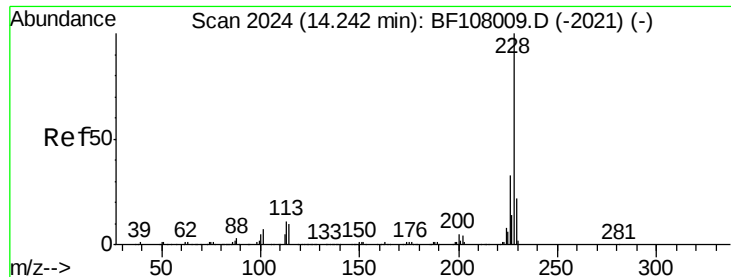
Tot Ion:244 Resp: 330732
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 8.6 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 3.938 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF108557.D
 Acq: 28 Aug 2018 16:05

Tgt Ion:228 Resp: 61153
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 33.8
 229 21.6 15.8 23.6





#82

Chrysene

Concen: 3.989 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108557.D

Acq: 28 Aug 2018 16:05

Instrument :

BNA_F

ClientSampleId :

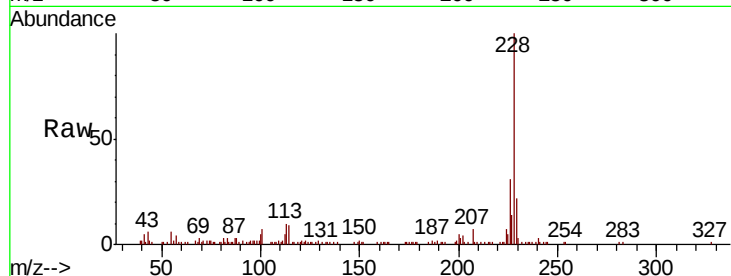
Tot Ion:228 Resp: 56789

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

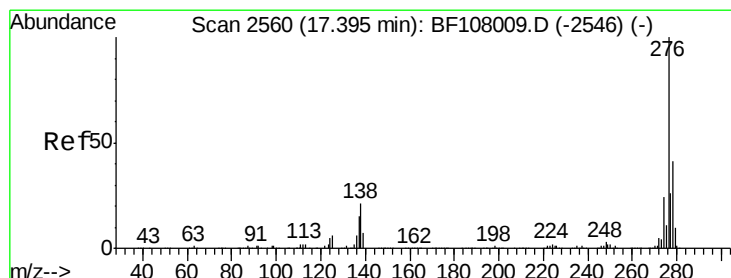
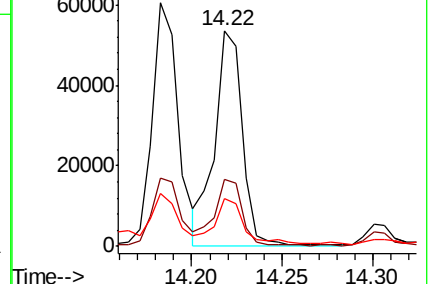
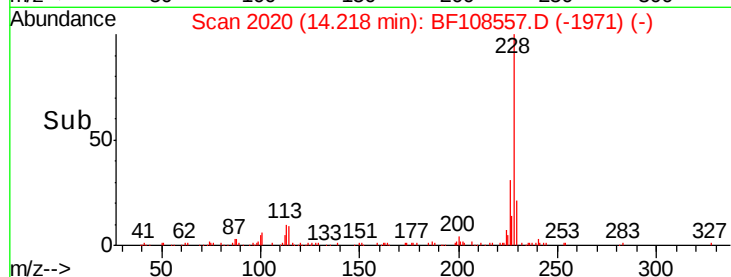
229 22.1 16.2 24.4



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

Indeno(1,2,3-cd)pyrene

Concen: 2.834 ng

RT: 17.37 min Scan# 2556

Delta R.T. -0.00 min

Lab File: BF108557.D

Acq: 28 Aug 2018 16:05

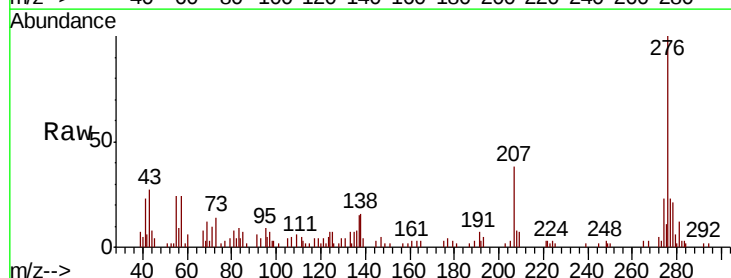
Tgt Ion:276 Resp: 34960

Ion Ratio Lower Upper

276 100

138 21.1 25.0 37.6#

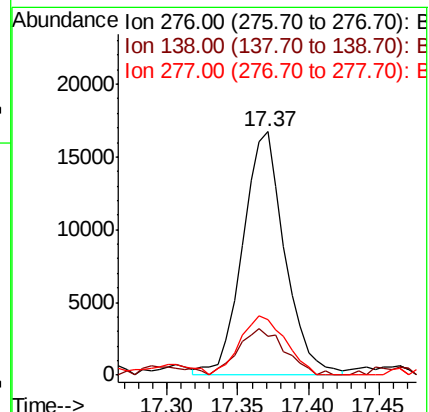
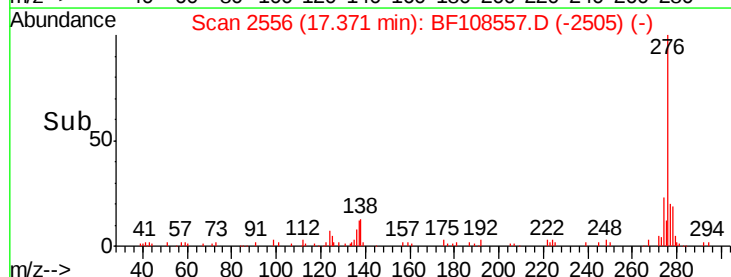
277 26.2 20.1 30.1

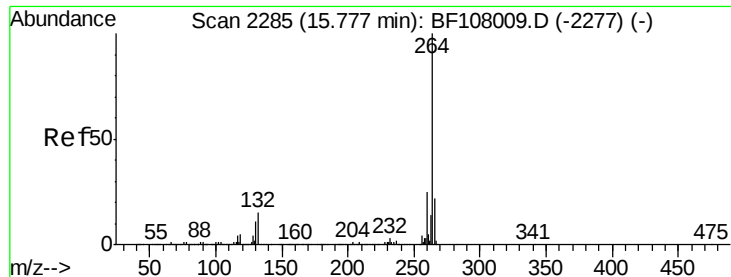


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

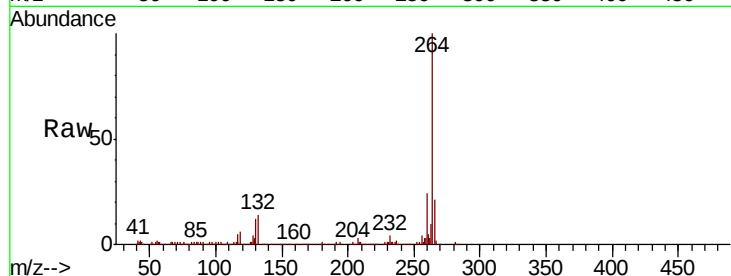




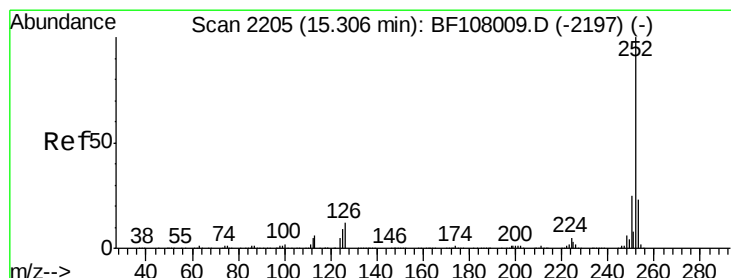
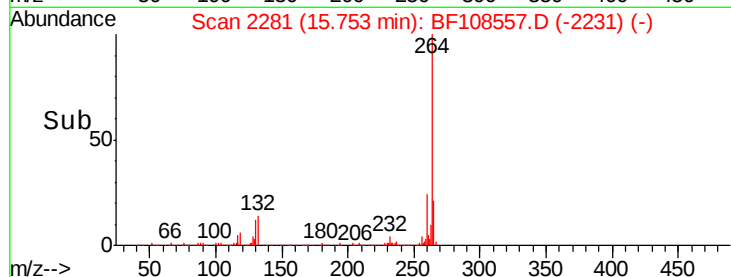
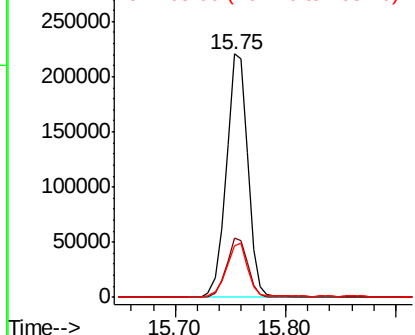
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108557.D
Acq: 28 Aug 2018 16:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.1	17.5	26.3

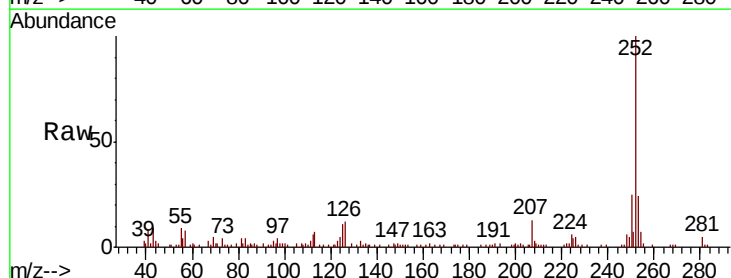


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

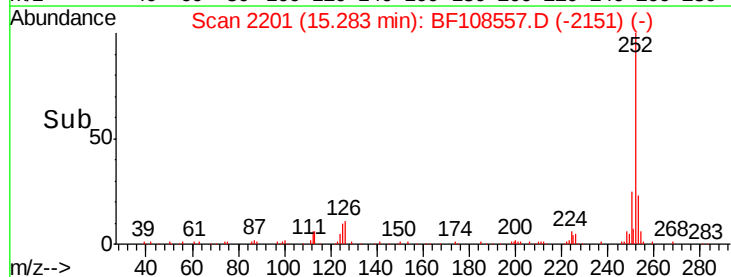
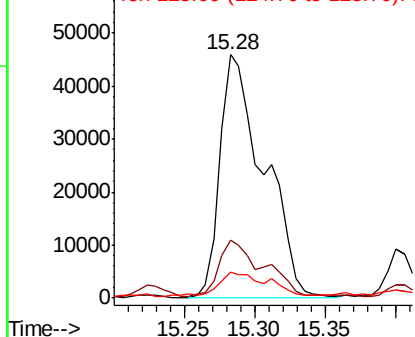


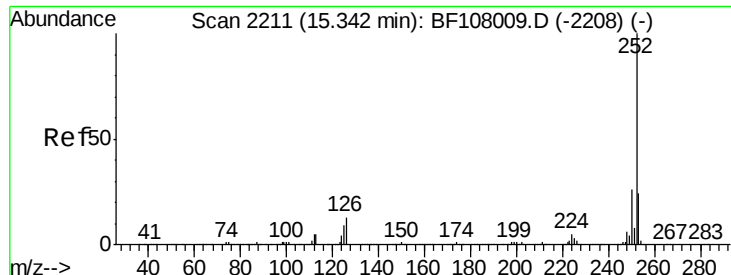
#87
Benzo(b)fluoranthene
Concen: 5.544 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108557.D
Acq: 28 Aug 2018 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	10.6	9.0	13.6



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

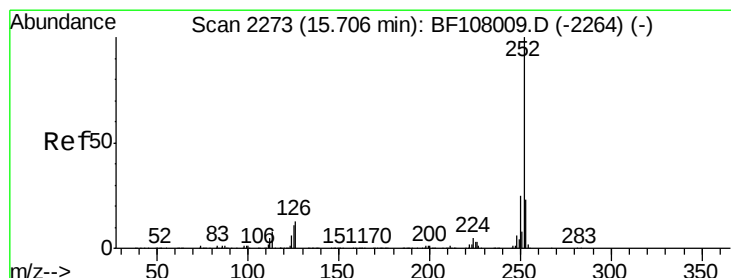
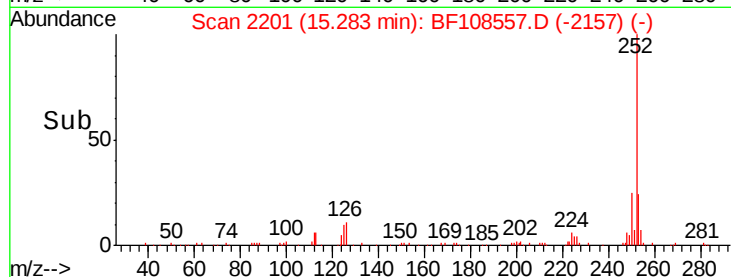
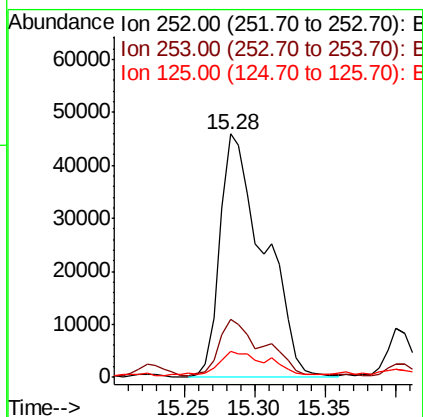
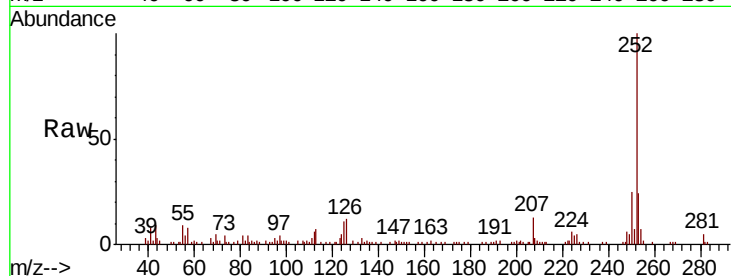




#88
Benzo(k)fluoranthene
Concen: 6.031 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108557.D
Acq: 28 Aug 2018 16:05

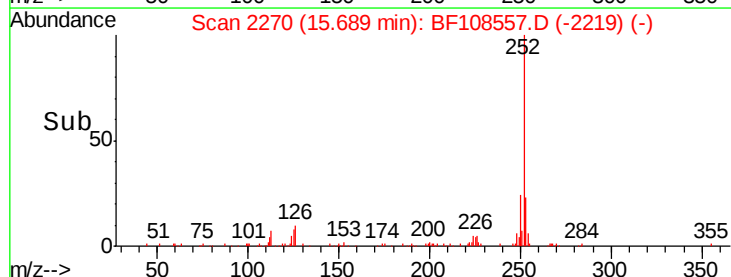
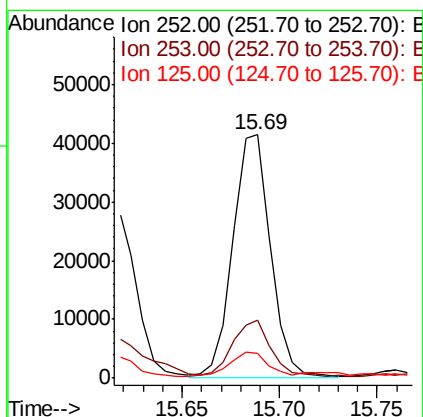
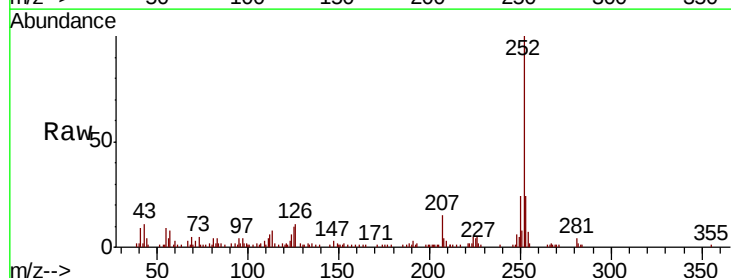
Instrument :
BNA_F
ClientSampleId :

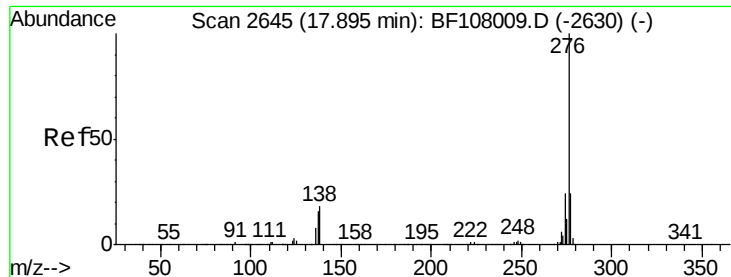
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	10.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.451 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF108557.D
Acq: 28 Aug 2018 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	10.2	9.8	14.6

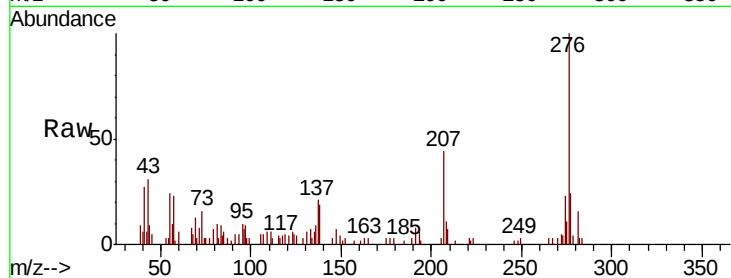




#91
 Benzo(a,h,i)perylene
 Concen: 2.349 ng
 RT: 17.87 min Scan# 2640
 Delta R.T. -0.00 min
 Lab File: BF108557.D
 Acq: 28 Aug 2018 16:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	19.3	21.8	32.8



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

