

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081318\
 Data File : BF108116.D
 Acq On : 13 Aug 2018 15:16
 Operator : JU/SJ
 Sample : J4272-19RE 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 13 17:12:17 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 08 12:24:24 2018
 Response via : Initial Calibration

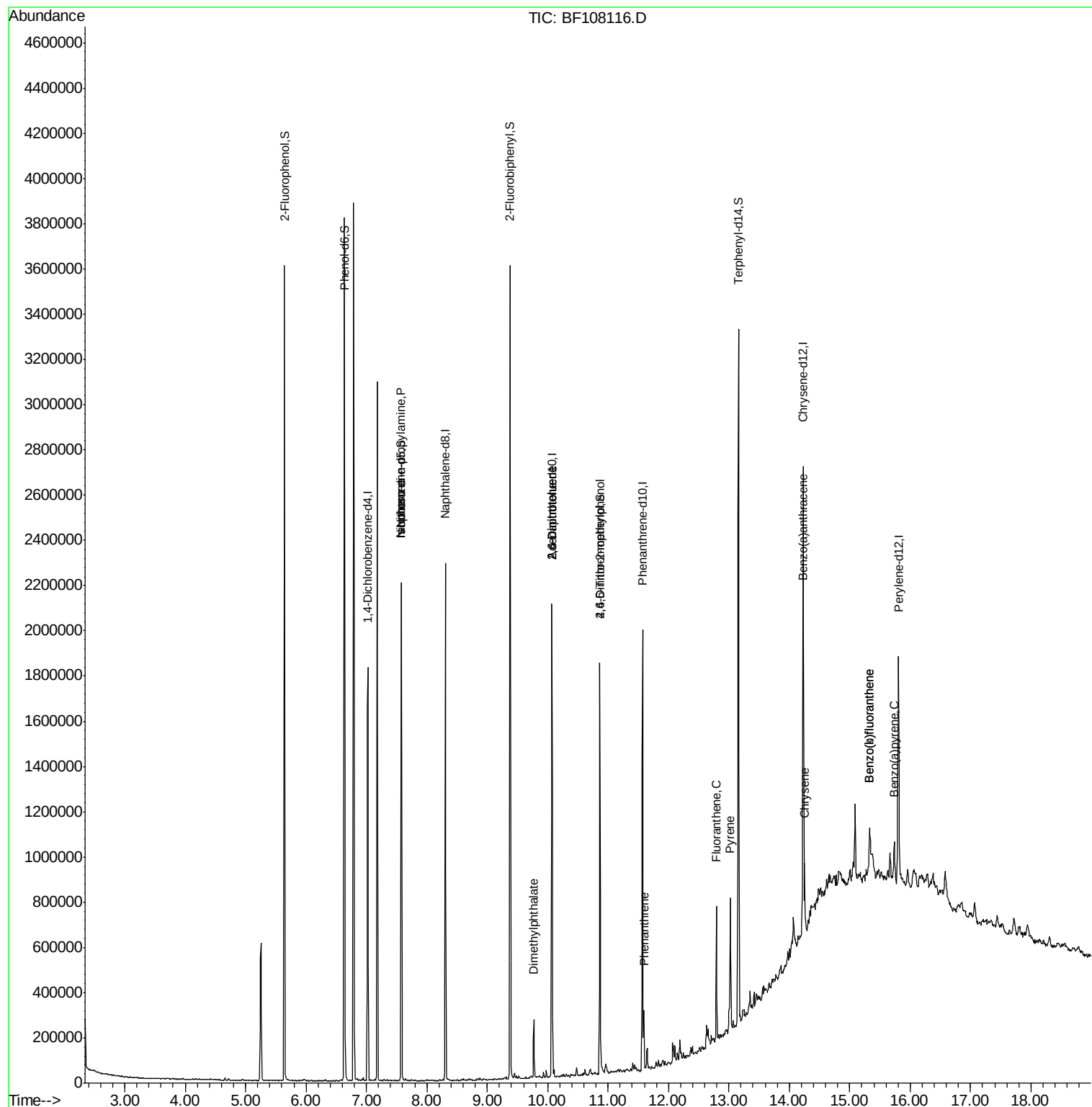
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	259084	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	902347	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	378326	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	660923	20.00	ng	0.01
75) Chrysene-d12	14.23	240	667843	20.00	ng	0.01
86) Perylene-d12	15.81	264	499249	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	835435	58.38	ng	0.01
7) Phenol-d6	6.64	99	1082265	56.91	ng	0.00
23) Nitrobenzene-d5	7.58	82	684959	42.36	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	203127	53.83	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1072973	45.53	ng	0.00
78) Terphenyl-d14	13.16	244	992160	37.77	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	92037	7.157	ng	# 86
25) Isophorone	7.58	82	683311	22.170	ng	# 64
49) Dimethylphthalate	9.77	163	83918	3.184	ng	# 98
50) 2,6-Dinitrotoluene	10.07	165	48590	8.813	ng	# 26
56) 2,4-Dinitrotoluene	10.07	165	48590	6.846	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.87	198	304	5.467	ng	# 1
70) Phenanthrene	11.60	178	89796	2.881	ng	98
74) Fluoranthene	12.80	202	246793	7.254	ng	94
77) Pyrene	13.02	202	233905	5.532	ng	99
80) Benzo(a)anthracene	14.22	228	138988	3.626	ng	97
82) Chrysene	14.25	228	113501	3.230	ng	95
87) Benzo(b)fluoranthene	15.33	252	161883	5.426	ng	# 85
88) Benzo(k)fluoranthene	15.33	252	161883	5.903	ng	# 88
89) Benzo(a)pyrene	15.74	252	80658	3.019	ng	# 85

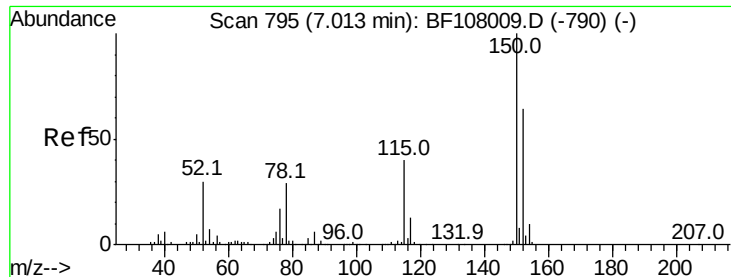
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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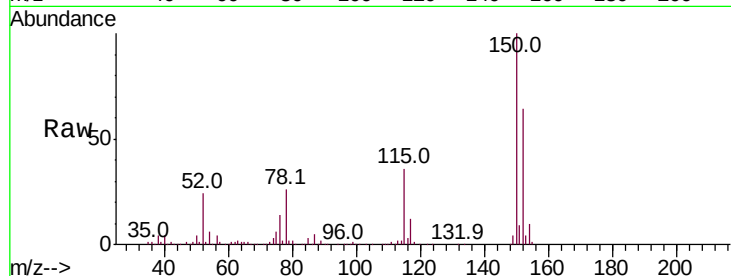


#1

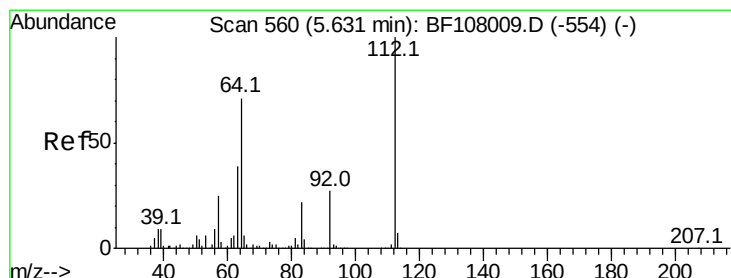
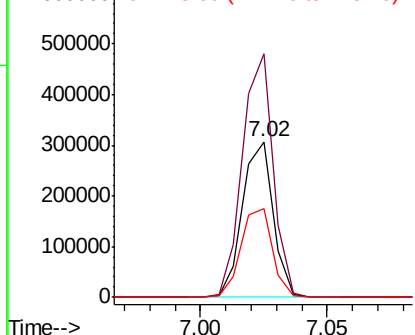
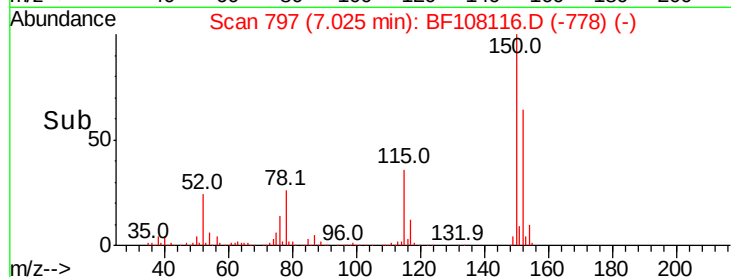
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108116.D
Acq: 13 Aug 2018 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 259084
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 57.0 50.1 75.1



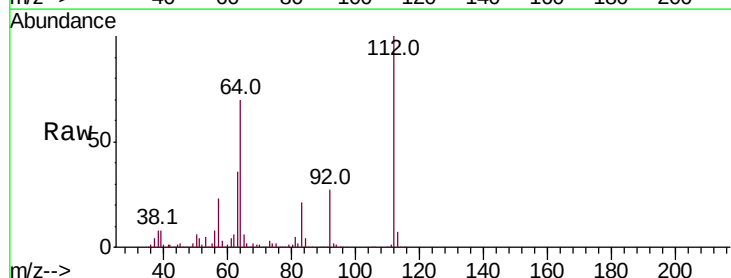
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



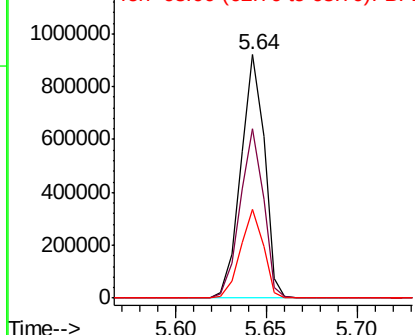
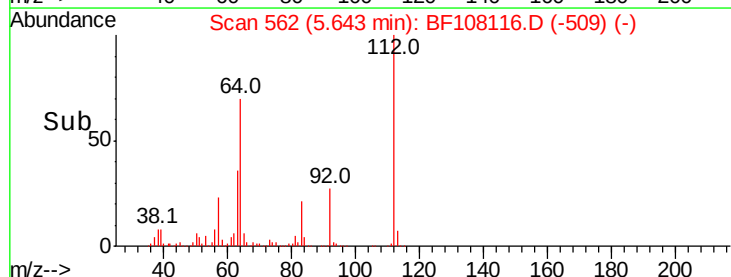
#5

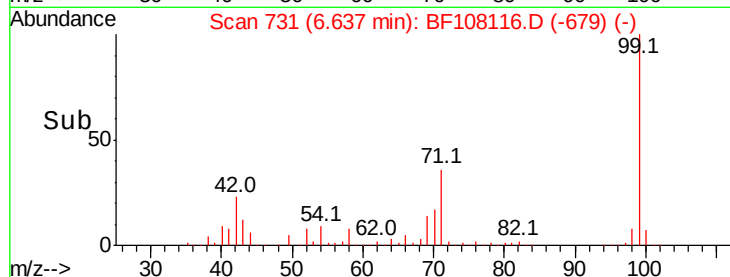
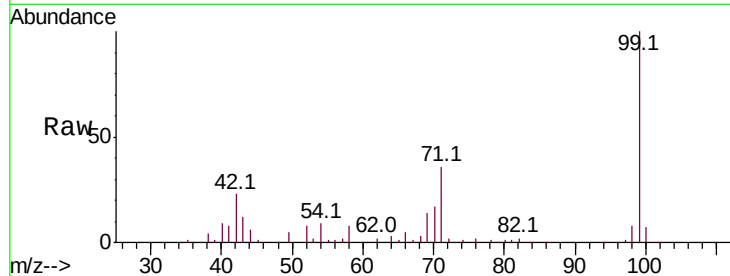
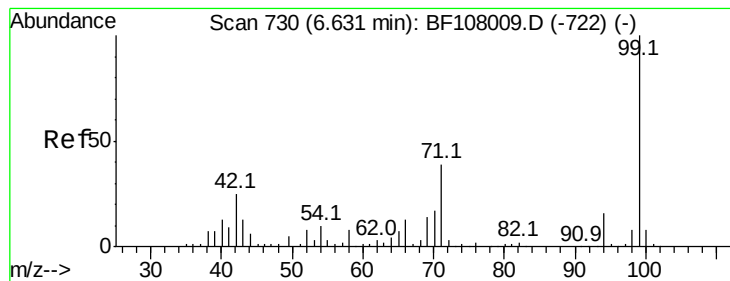
2-Fluorophenol
Concen: 58.379 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108116.D
Acq: 13 Aug 2018 15:16

Tgt Ion:112 Resp: 835435
Ion Ratio Lower Upper
112 100
64 69.8 47.9 71.9
63 36.4 23.7 35.5#



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: 56.911 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108116.D

Acq: 13 Aug 2018 15:16

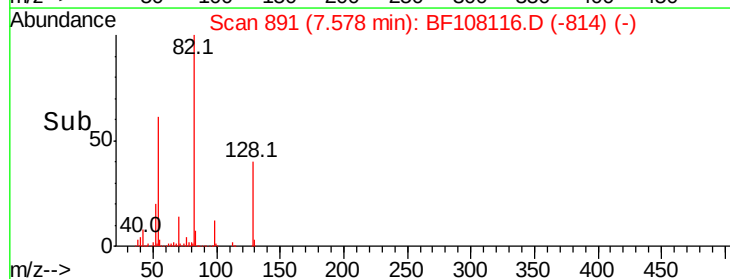
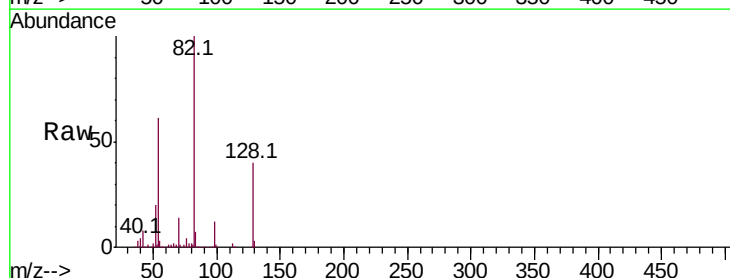
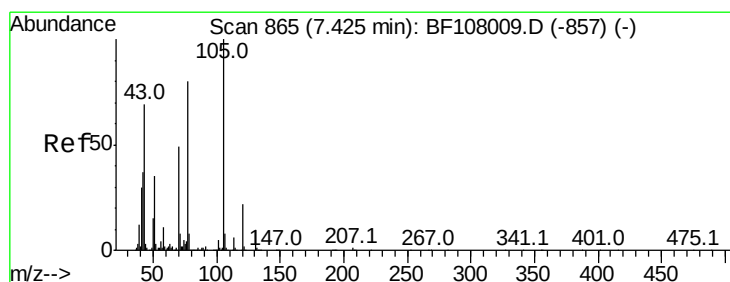
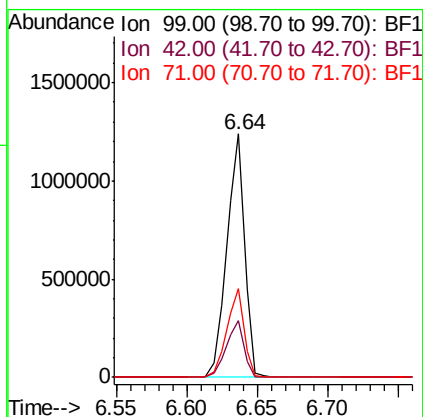
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1082265

Ion	Ratio	Lower	Upper
99	100		
42	23.3	14.5	21.7#
71	36.2	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 7.157 ng

RT: 7.58 min Scan# 891

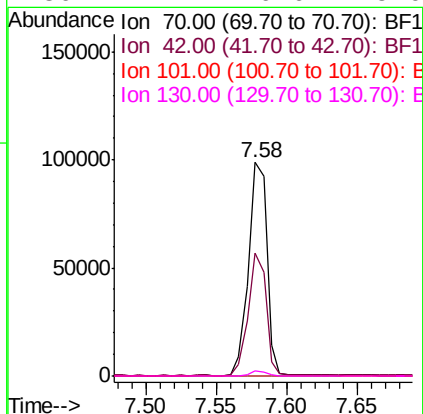
Delta R.T. 0.15 min

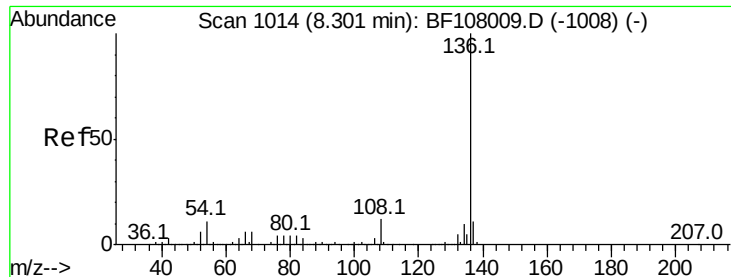
Lab File: BF108116.D

Acq: 13 Aug 2018 15:16

Tgt Ion: 70 Resp: 92037

Ion	Ratio	Lower	Upper
70	100		
42	57.5	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#

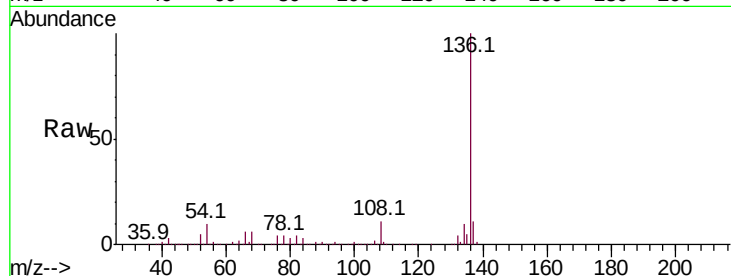




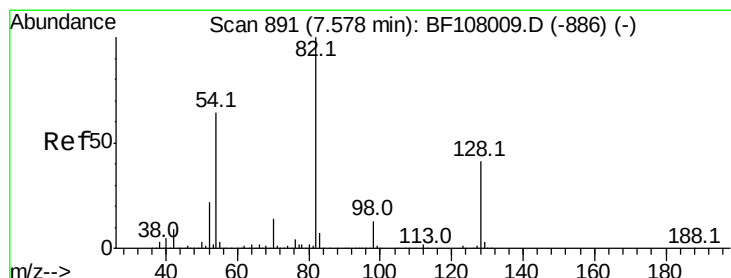
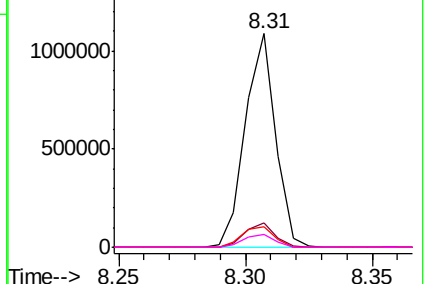
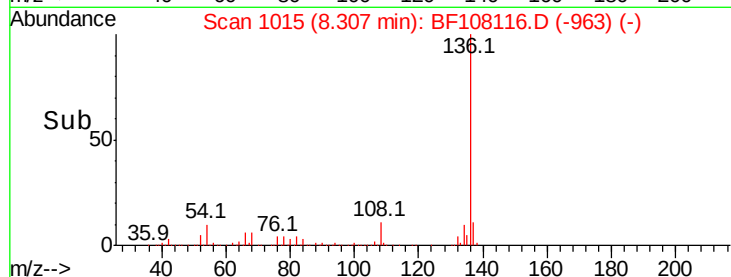
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.31 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF108116.D
Acq: 13 Aug 2018 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	902347
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	9.7	6.6 9.8
68	6.3	5.0 7.4

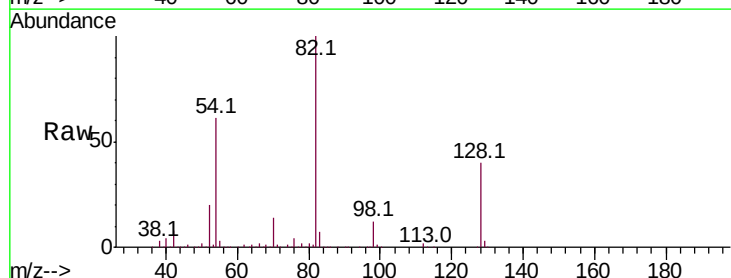


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

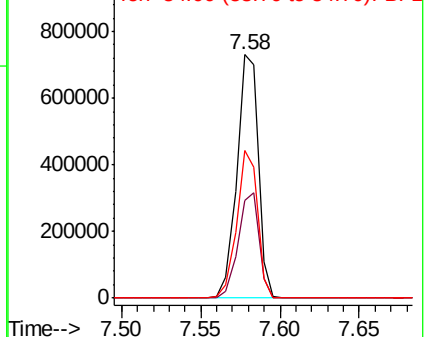
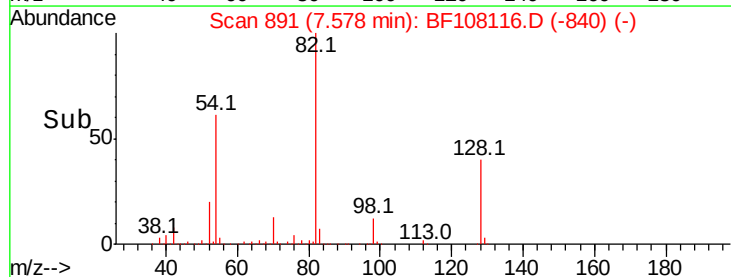


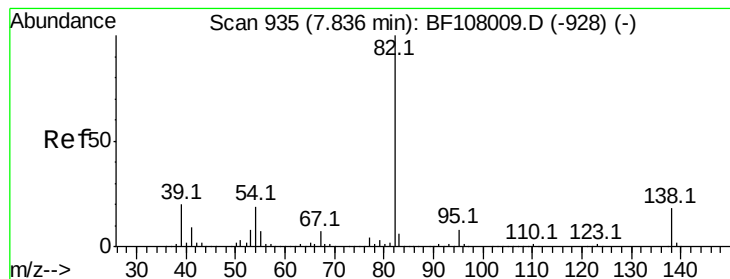
#23
Nitrobenzene-d5
Concen: 42.358 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108116.D
Acq: 13 Aug 2018 15:16

Tgt Ion: 82	Resp:	684959
Ion Ratio	Lower	Upper
82	100	
128	39.9	36.1 54.1
54	60.6	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: 22.170 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108116.D

Acq: 13 Aug 2018 15:16

Instrument :

BNA_F

ClientSampleId :

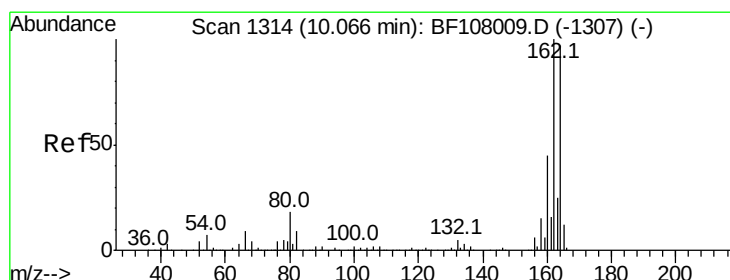
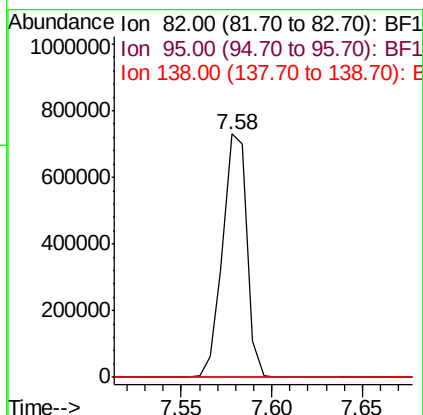
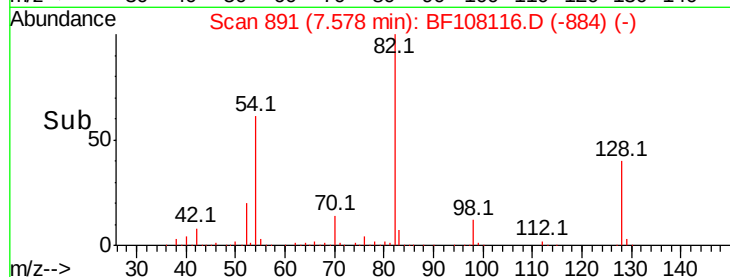
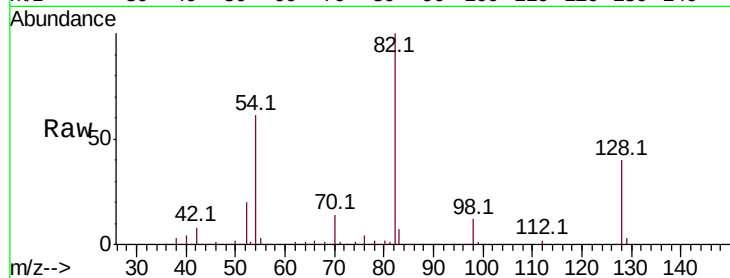
Tot Ion: 82 Resp: 683311

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF108116.D

Acq: 13 Aug 2018 15:16

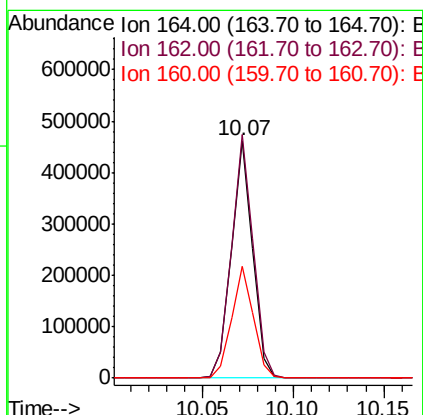
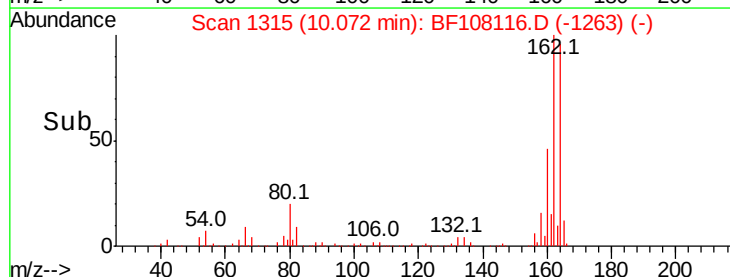
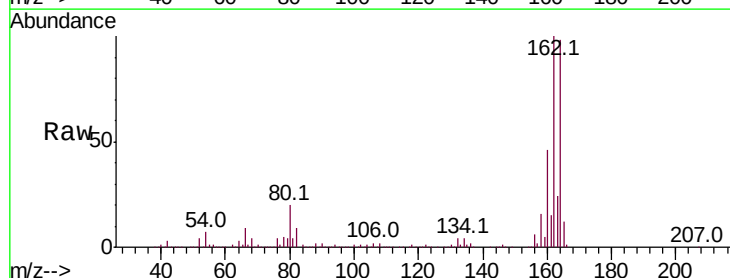
Tgt Ion:164 Resp: 378326

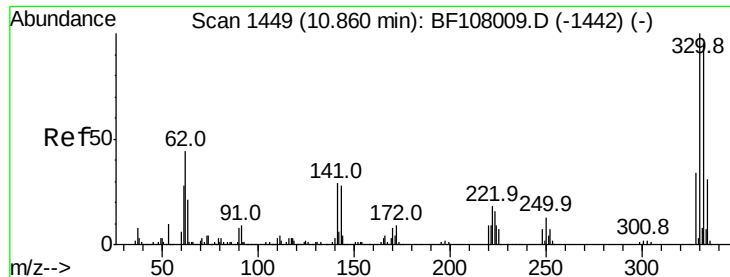
Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

160 46.8 38.3 57.5

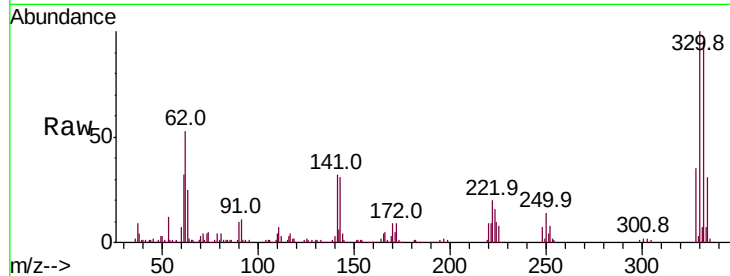




#41
 2,4,6-Tribromophenol
 Concen: 53.827 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF108116.D
 Acq: 13 Aug 2018 15:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	32.3	29.9	44.9

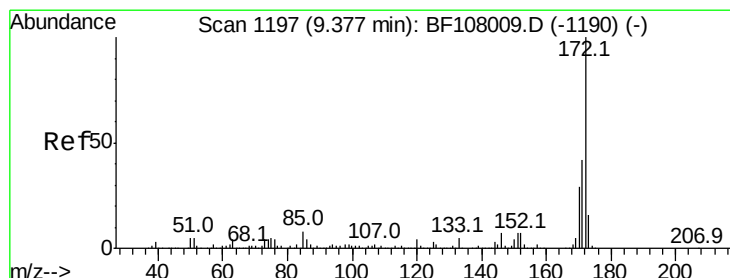
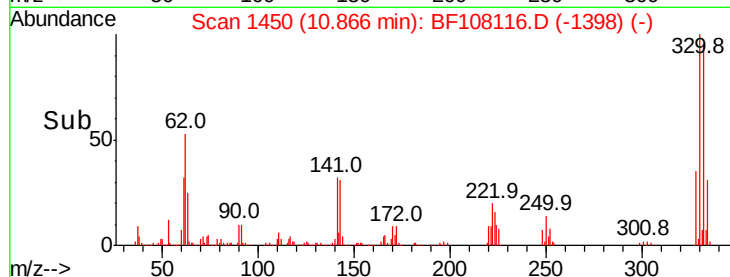
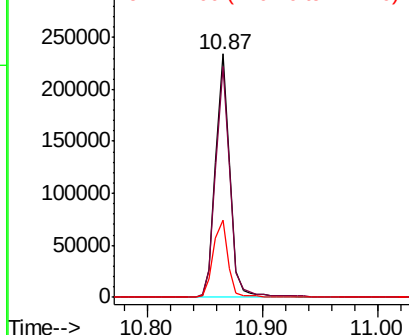


Abundance

Ion 329.80 (329.50 to 330.50): E

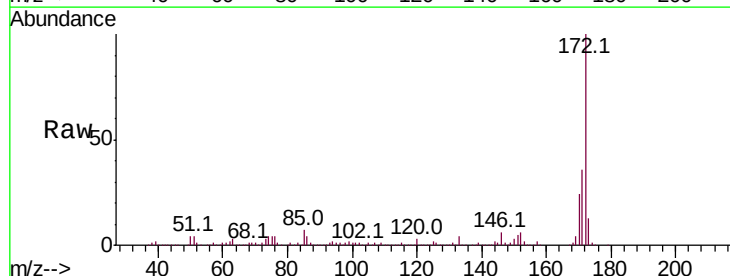
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 45.533 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108116.D
 Acq: 13 Aug 2018 15:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.7	19.6	29.4

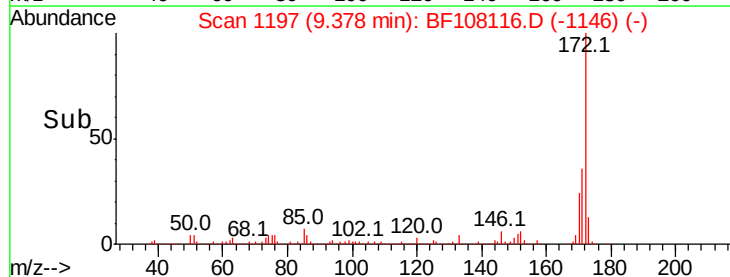
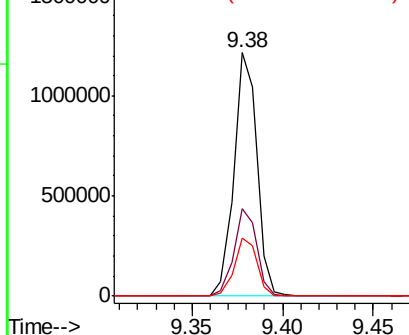


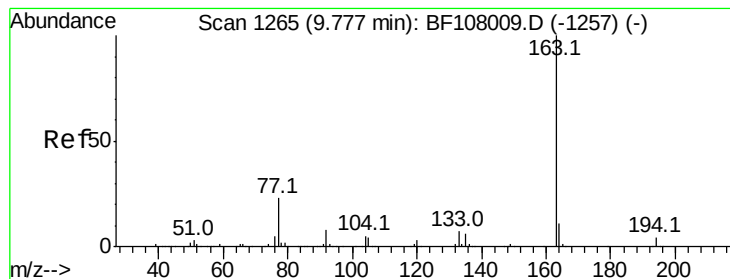
Abundance

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: 3.184 ng

RT: 9.77 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF108116.D

Acq: 13 Aug 2018 15:16

Instrument :

BNA_F

ClientSampleId :

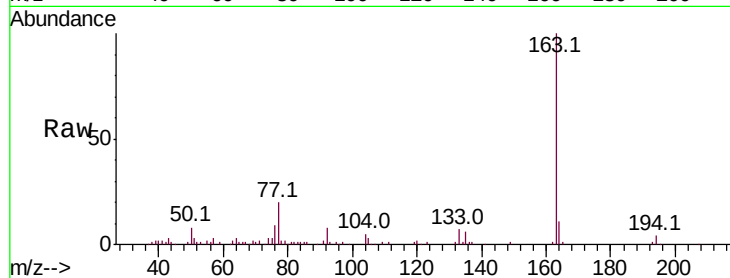
Tot Ion:163 Resp: 83918

Ion Ratio Lower Upper

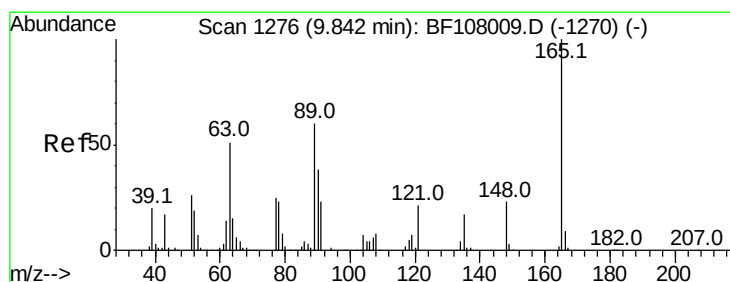
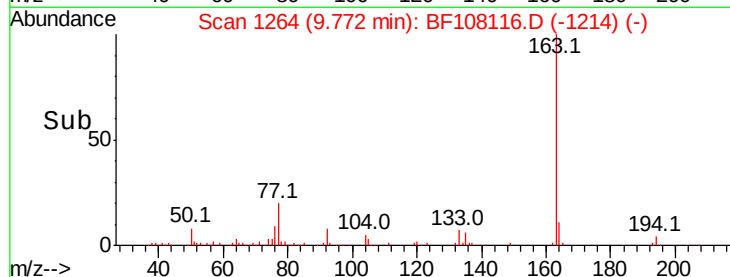
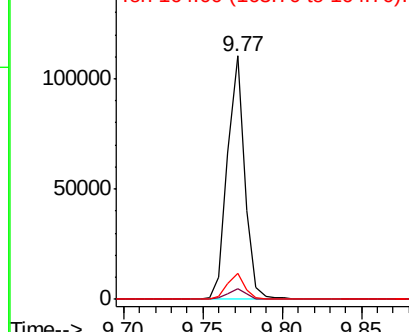
163 100

194 4.4 2.7 4.1#

164 10.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
150000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.813 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.23 min

Lab File: BF108116.D

Acq: 13 Aug 2018 15:16

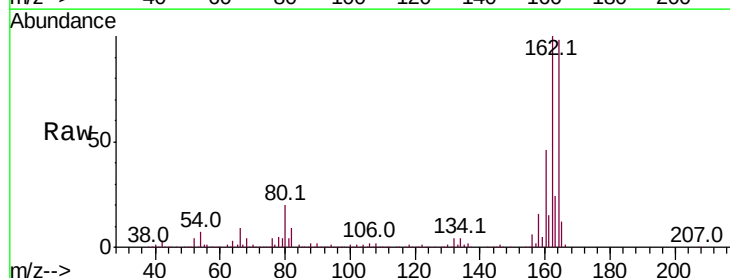
Tgt Ion:165 Resp: 48590

Ion Ratio Lower Upper

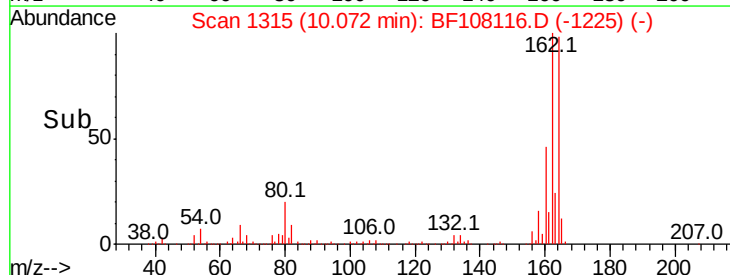
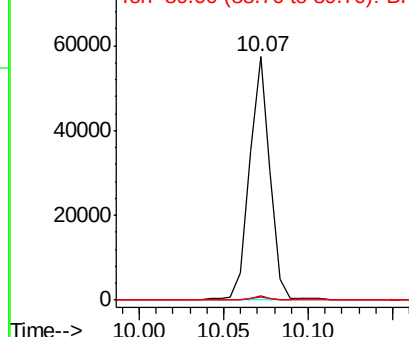
165 100

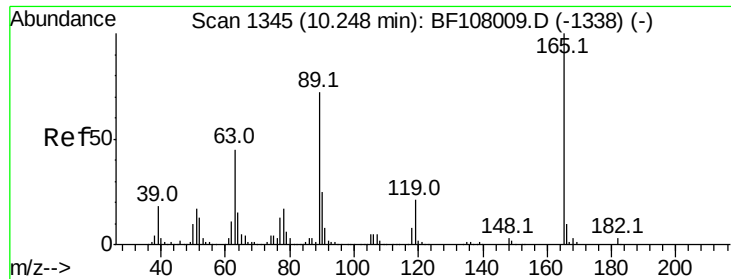
63 1.8 44.7 67.1#

89 1.3 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
80000 Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

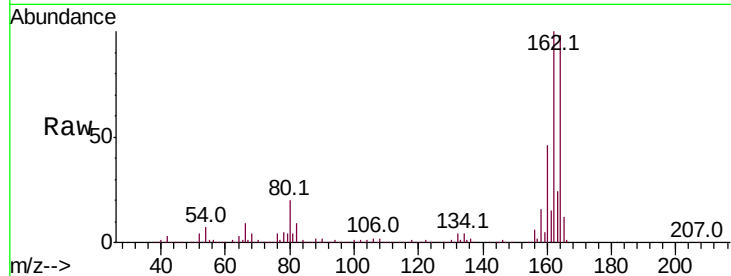




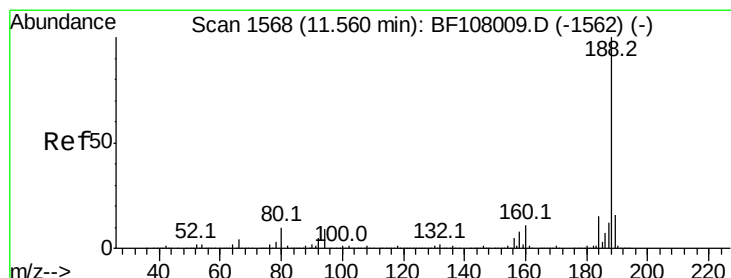
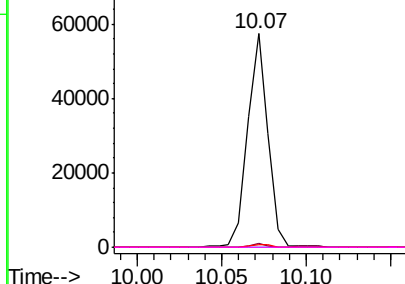
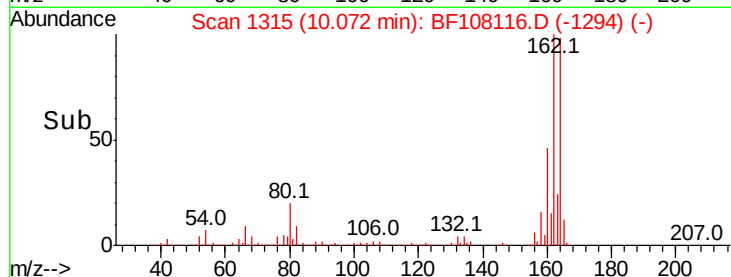
#56
 2,4-Dinitrotoluene
 Concen: 6.846 ng
 RT: 10.07 min Scan# 1315
 Delta R.T. -0.18 min
 Lab File: BF108116.D
 Acq: 13 Aug 2018 15:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 48590
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#

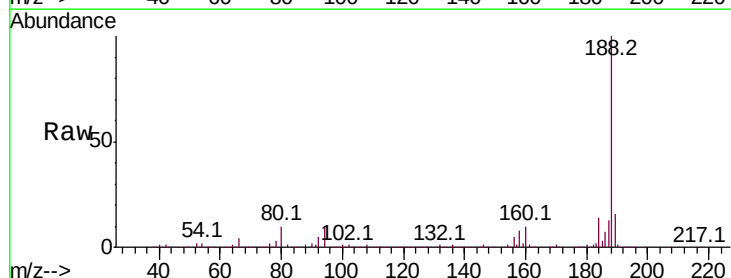


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

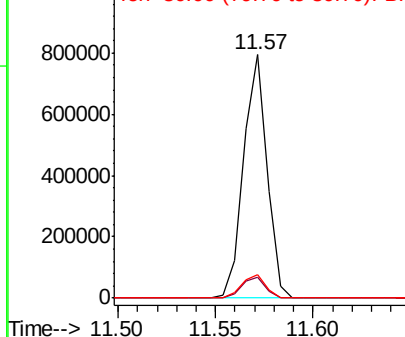
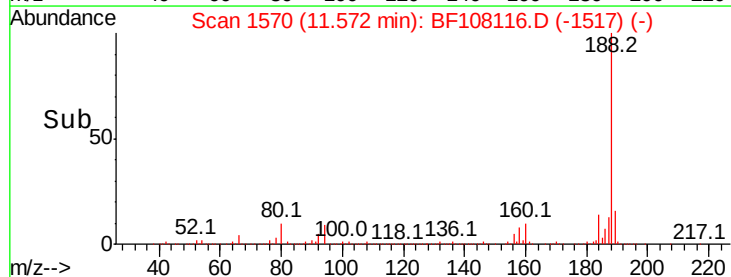


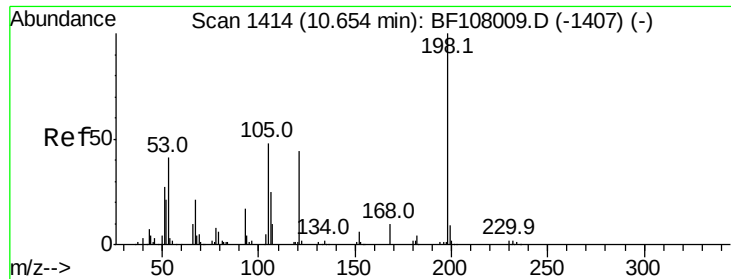
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF108116.D
 Acq: 13 Aug 2018 15:16

Tgt Ion:188 Resp: 660923
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.5 12.7
 80 9.6 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

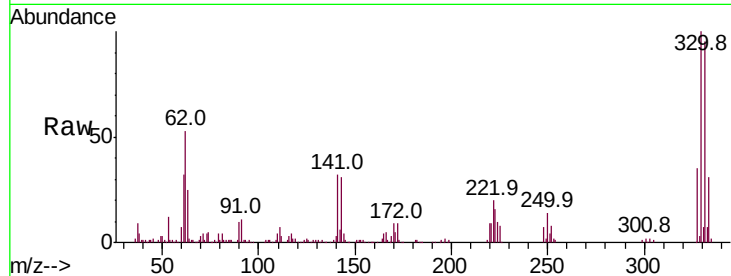




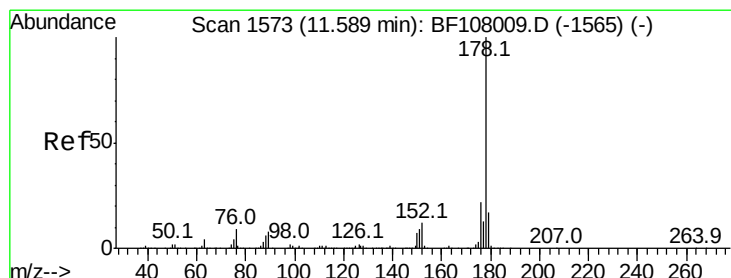
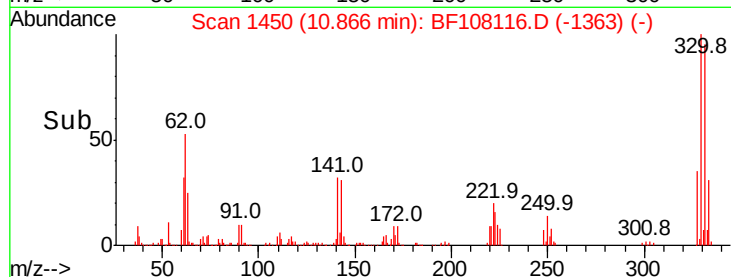
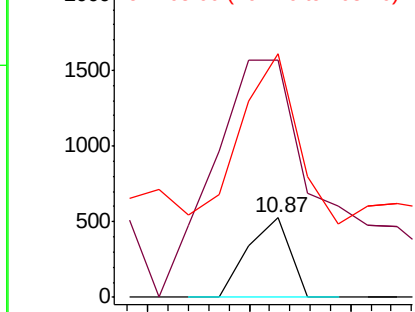
#64
4,6-Dinitro-2-methylphenol
Concen: 5.467 ng
RT: 10.87 min Scan# 1450
Delta R.T. 0.21 min
Lab File: BF108116.D
Acq: 13 Aug 2018 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 304
Ion Ratio Lower Upper
198 100
51 298.3 37.7 77.7#
105 306.9 36.3 76.3#

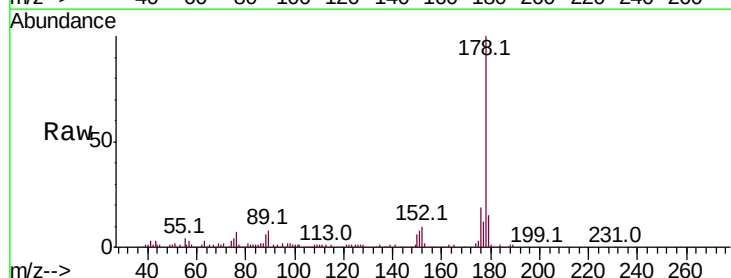


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

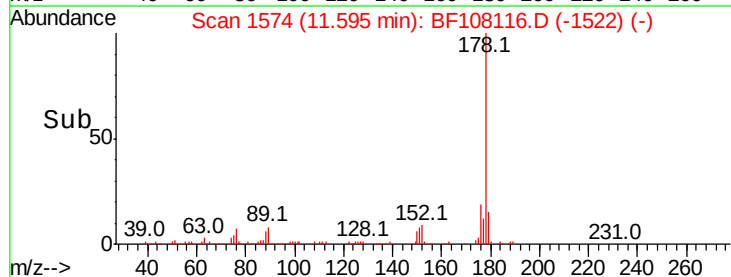
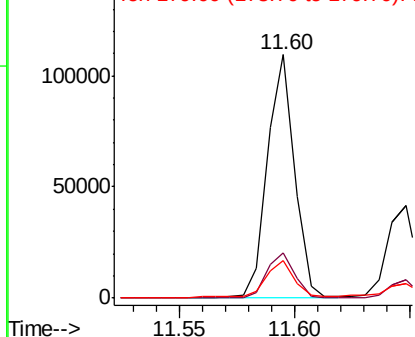


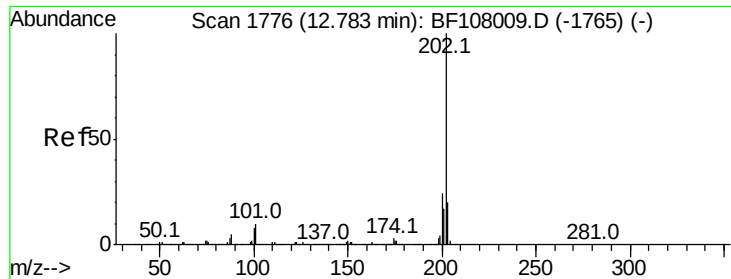
#70
Phenanthrene
Concen: 2.881 ng
RT: 11.60 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF108116.D
Acq: 13 Aug 2018 15:16

Tgt Ion:178 Resp: 89796
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.5 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: 7.254 ng

RT: 12.80 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF108116.D

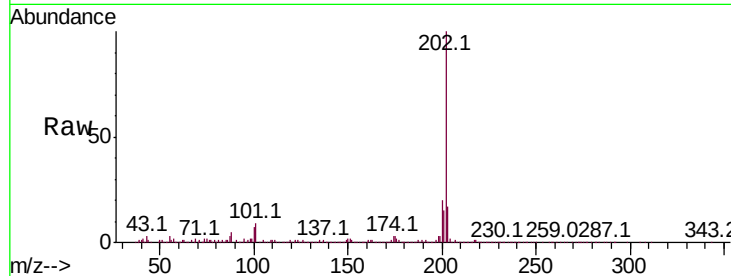
Acq: 13 Aug 2018 15:16

Instrument :

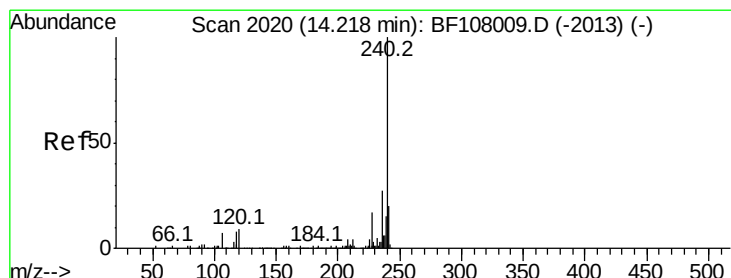
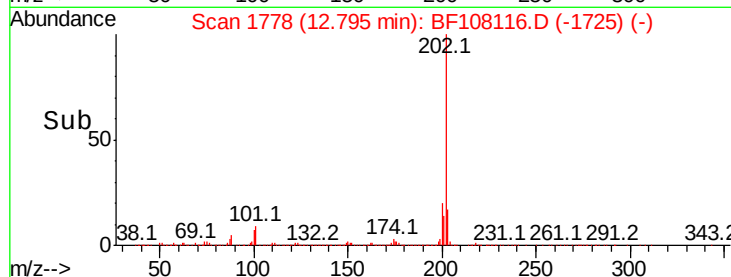
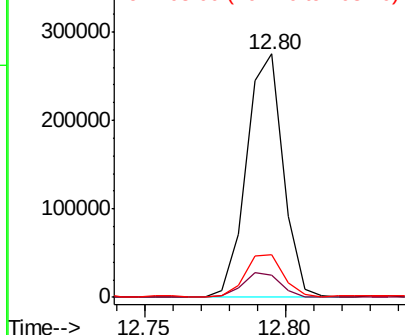
BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	246793
Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	34.1
203	17.3	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

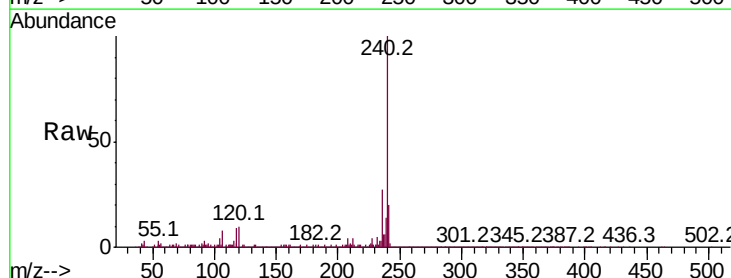
RT: 14.23 min Scan# 2022

Delta R.T. 0.01 min

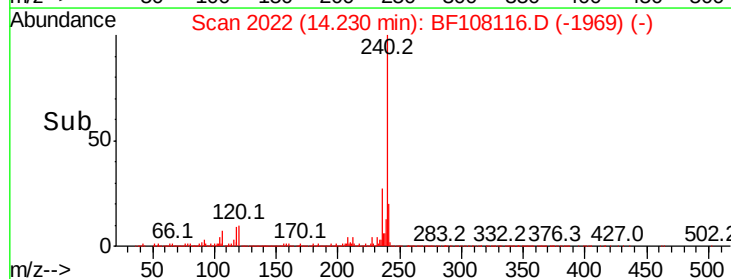
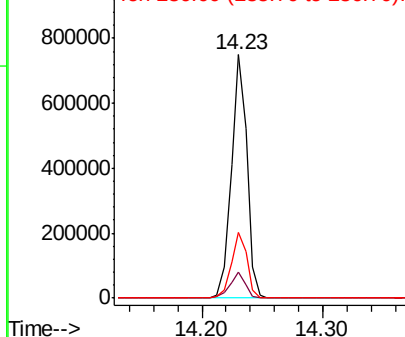
Lab File: BF108116.D

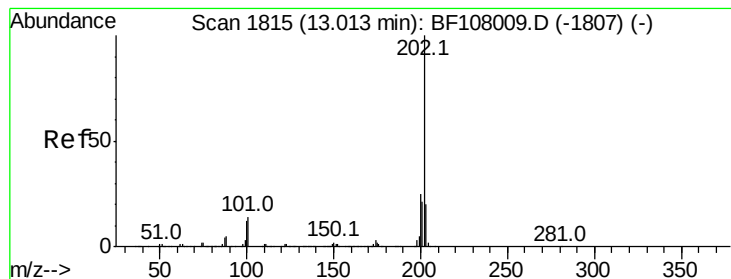
Acq: 13 Aug 2018 15:16

Tgt Ion:	240	Resp:	667843
Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	26.9	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

Pvrene

Concen: 5.532 ng

RT: 13.02 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF108116.D

Acq: 13 Aug 2018 15:16

Instrument :

BNA_F

ClientSampleId :

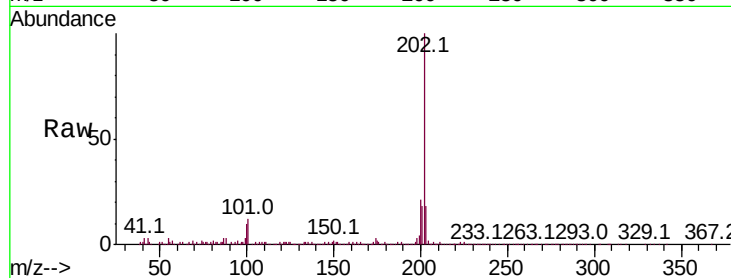
Tot Ion:202 Resp: 233905

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

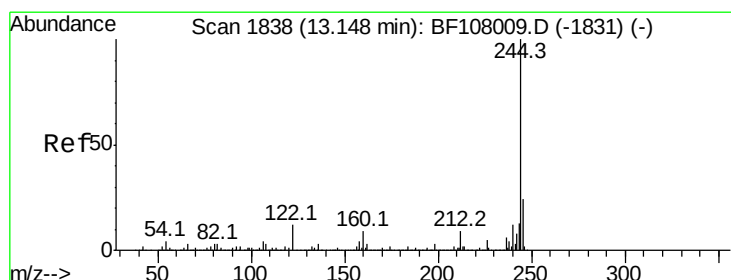
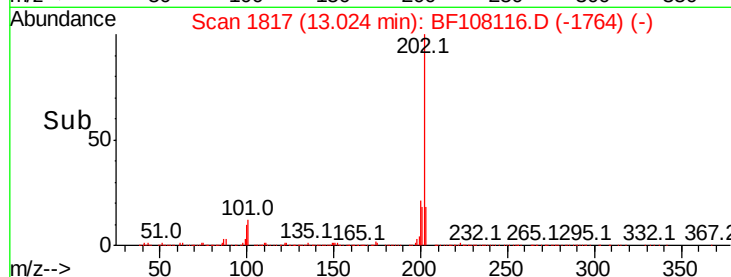
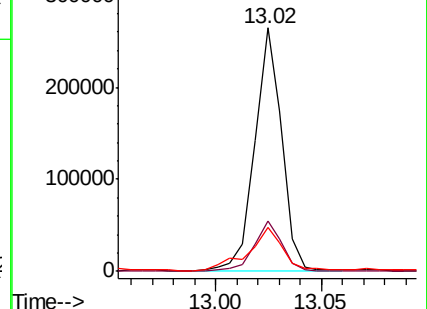
203 18.0 14.3 21.5



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



#78

Terphenyl-d14

Concen: 37.773 ng

RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108116.D

Acq: 13 Aug 2018 15:16

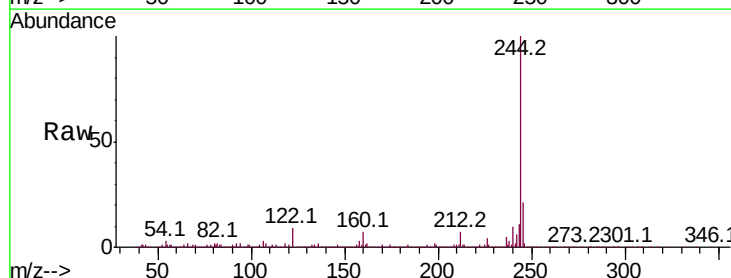
Tgt Ion:244 Resp: 992160

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

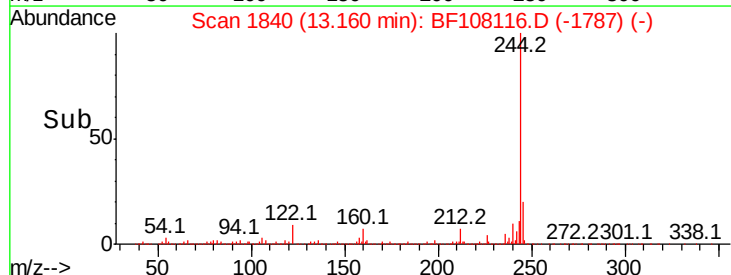
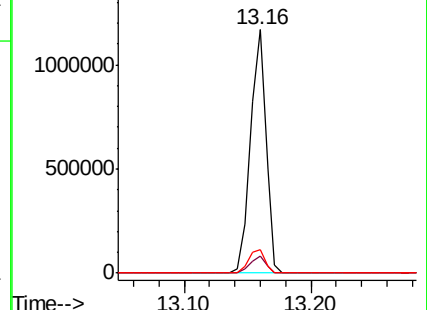
122 9.4 11.0 16.4#

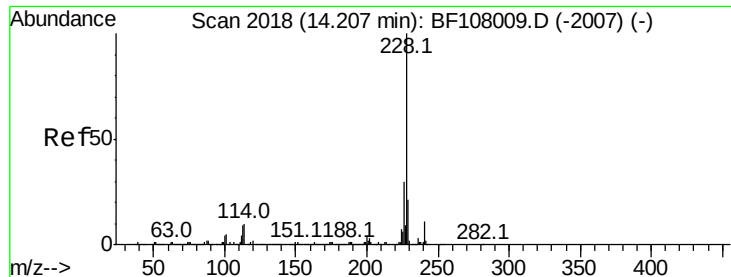


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.626 ng

RT: 14.22 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF108116.D

Acq: 13 Aug 2018 15:16

Instrument :

BNA_F

ClientSampleId :

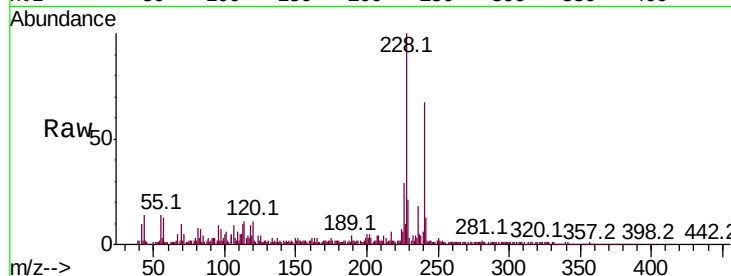
Tot Ion:228 Resp: 138988

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

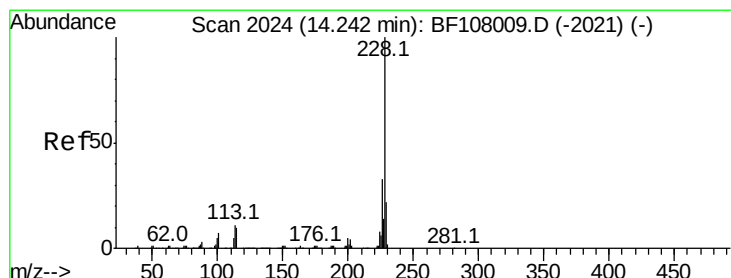
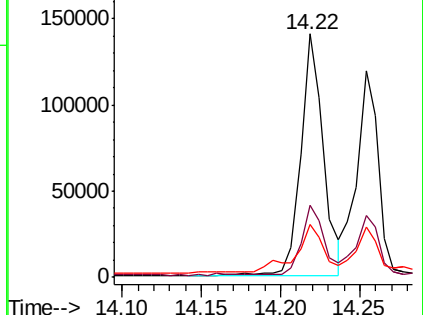
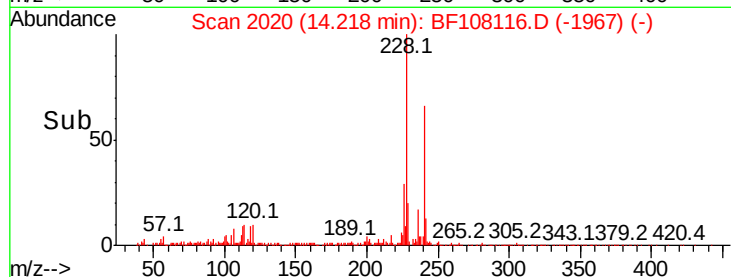
229 21.5 15.8 23.6



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



#82

Chrysene

Concen: 3.230 ng

RT: 14.25 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF108116.D

Acq: 13 Aug 2018 15:16

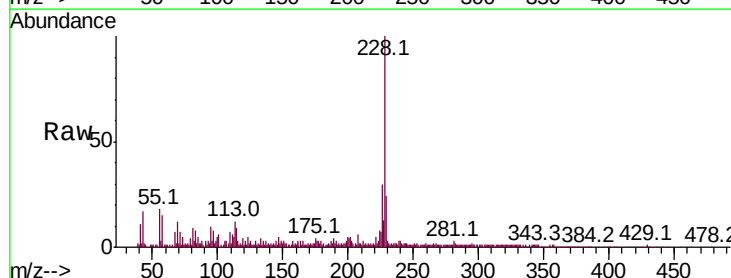
Tgt Ion:228 Resp: 113501

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

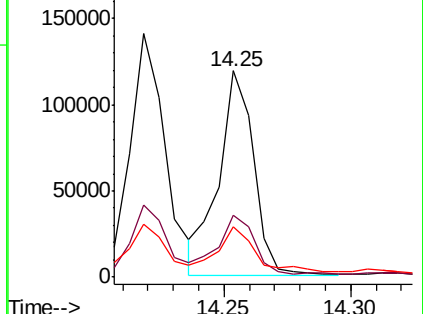
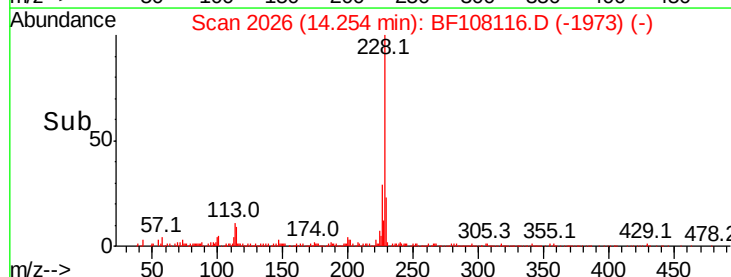
229 24.3 16.2 24.4

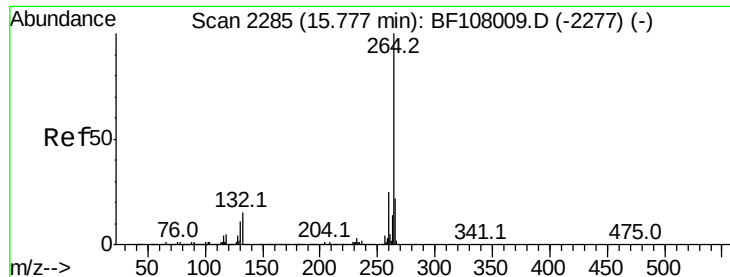


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

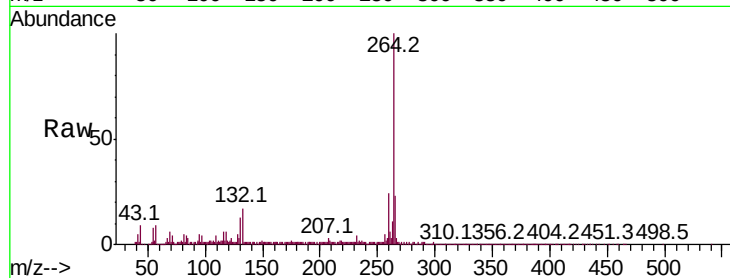




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2290
Delta R.T. 0.03 min
Lab File: BF108116.D
Acq: 13 Aug 2018 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.1	17.5	26.3

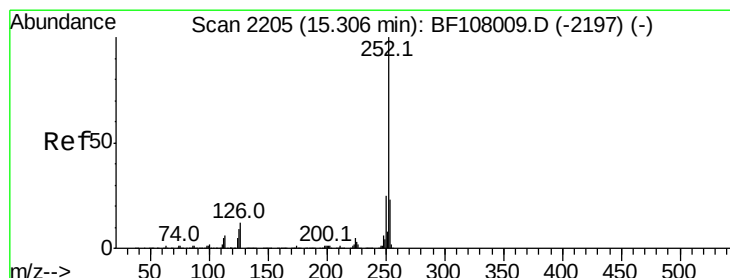
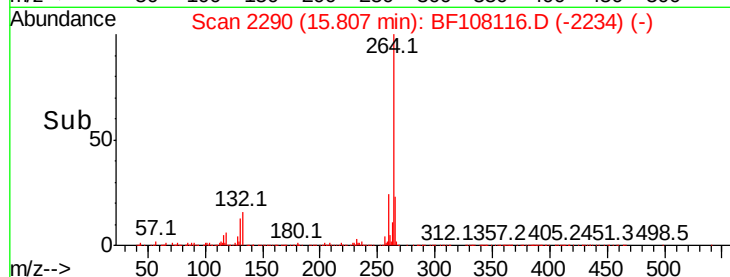
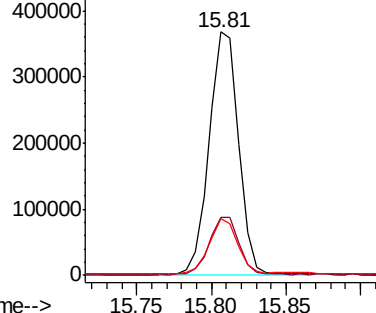


Abundance

Ion 264.00 (263.70 to 264.70): E

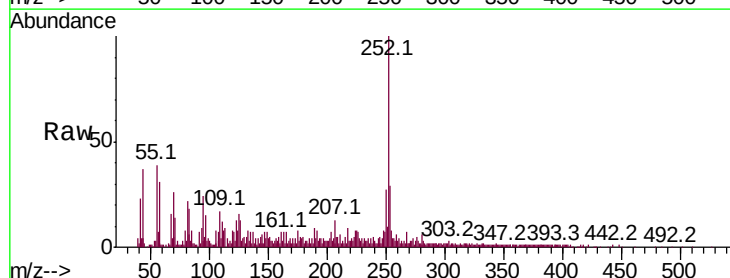
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 5.426 ng
RT: 15.33 min Scan# 2209
Delta R.T. 0.02 min
Lab File: BF108116.D
Acq: 13 Aug 2018 15:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.0	25.6#
125	16.1	9.0	13.6#

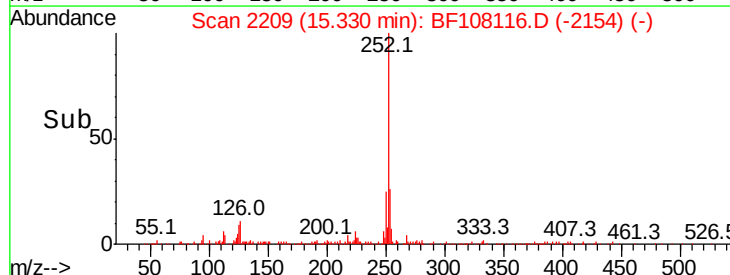
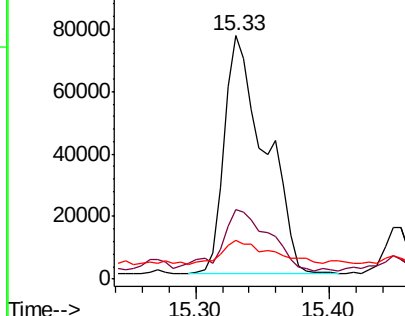


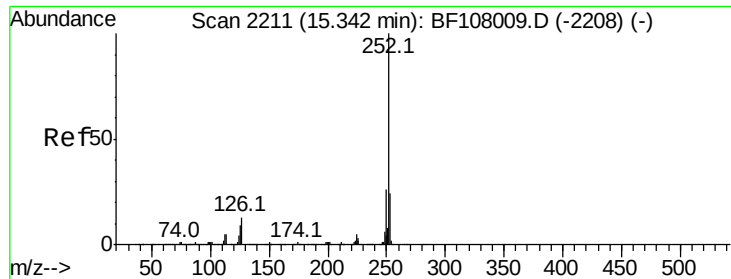
Abundance

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

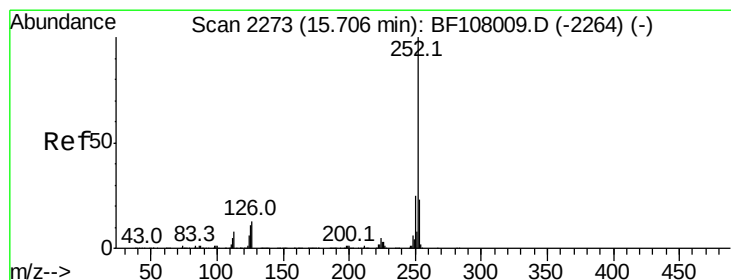
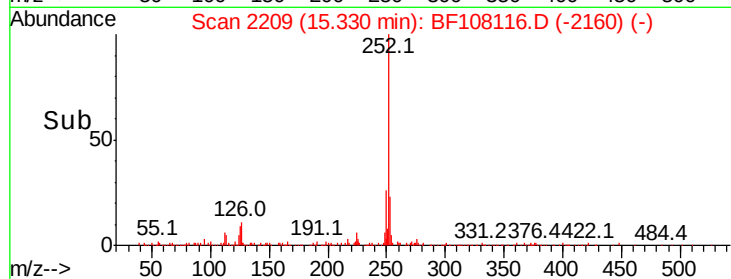
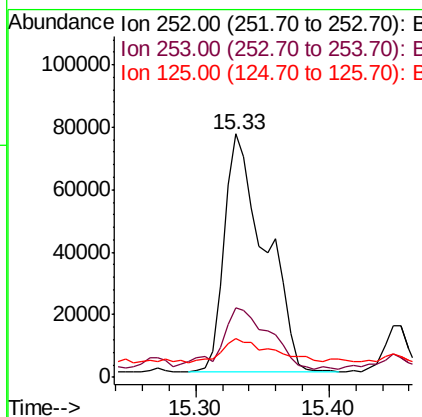
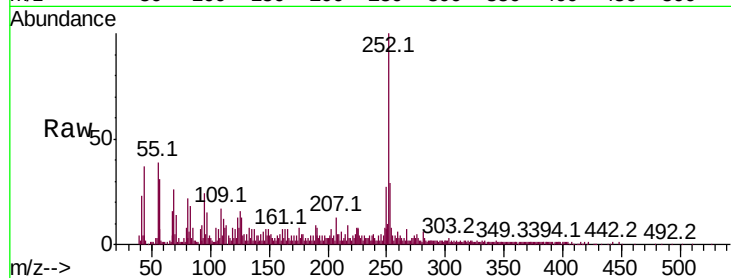




#88
Benzo(k)fluoranthene
Concen: 5.903 ng
RT: 15.33 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF108116.D
Acq: 13 Aug 2018 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.9	26.9#
125	16.1	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 3.019 ng
RT: 15.74 min Scan# 2278
Delta R.T. 0.03 min
Lab File: BF108116.D
Acq: 13 Aug 2018 15:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.1	25.7#
125	18.1	9.8	14.6#

