

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108512.D
 Acq On : 27 Aug 2018 16:01
 Operator : JU/SJ
 Sample : J4646-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 27 16:41:22 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	116005	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	461374	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	229374	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	394201	20.00	ng	0.00
75) Chrysene-d12	14.19	240	299566	20.00	ng	0.00
86) Perylene-d12	15.75	264	280809	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	298584	46.60	ng	-0.01
7) Phenol-d6	6.62	99	412421	48.44	ng	-0.01
23) Nitrobenzene-d5	7.56	82	265747	32.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	104017	45.46	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	529362	37.05	ng	-0.01
78) Terphenyl-d14	13.12	244	416302	35.33	ng	0.00

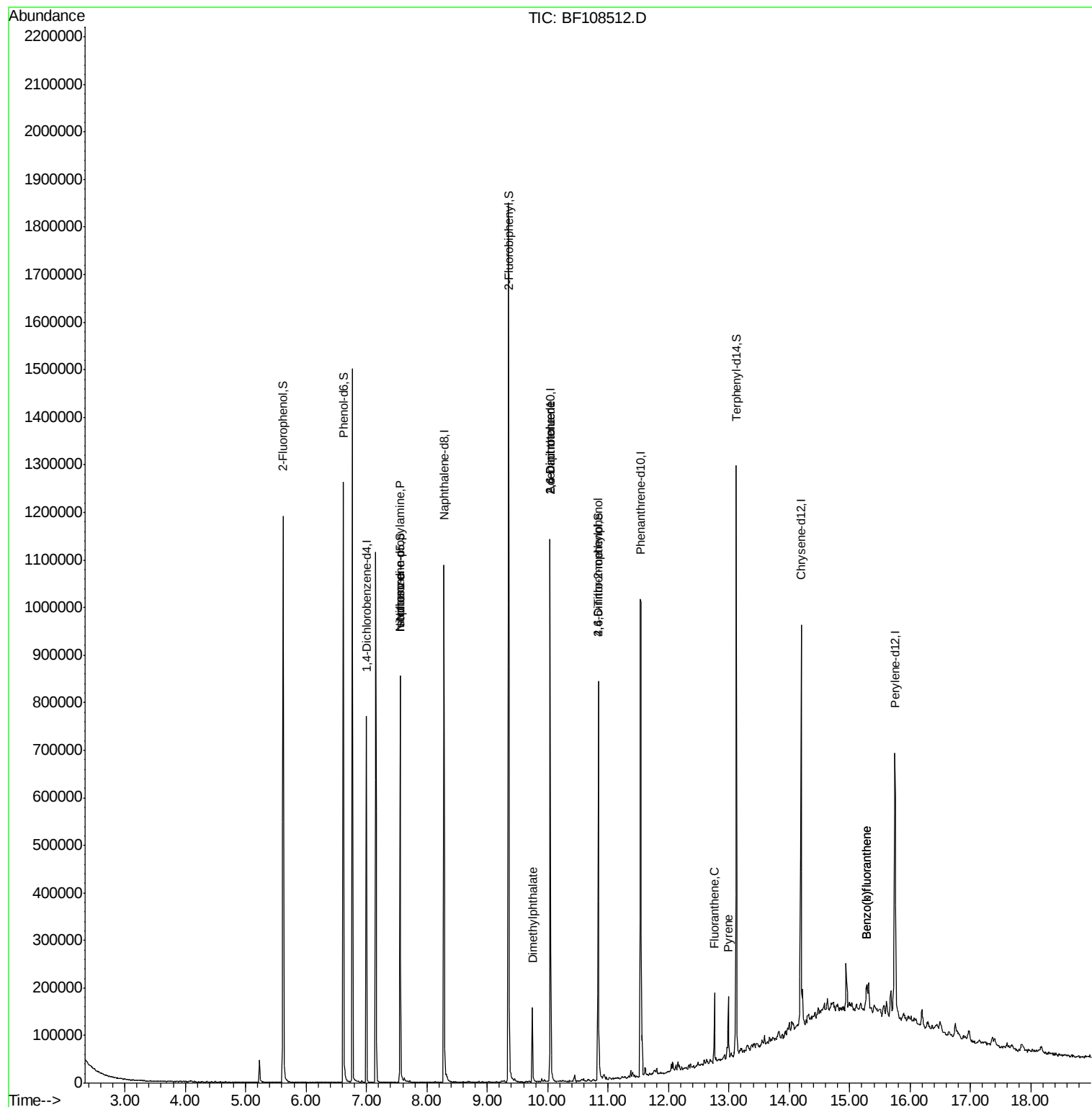
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	35112	6.098	ng	# 83
25) Isophorone	7.56	82	265745	16.863	ng	# 64
49) Dimethylphthalate	9.75	163	70525	4.414	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	28633	8.565	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	28633	6.654	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	116	5.428	ng	# 1
74) Fluoranthene	12.76	202	59492	2.932	ng	94
77) Pyrene	12.99	202	52346	2.760	ng	99
87) Benzo(b)fluoranthene	15.28	252	45928	2.737	ng	96
88) Benzo(k)fluoranthene	15.28	252	45928	2.978	ng	98

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

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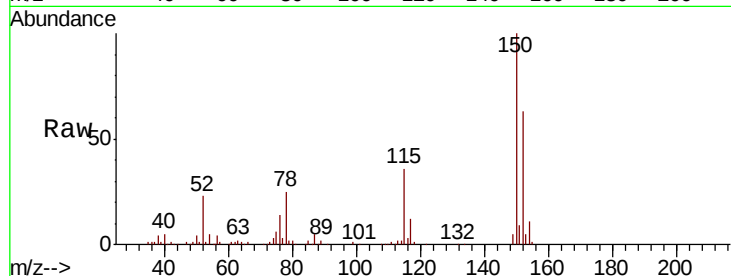


#1

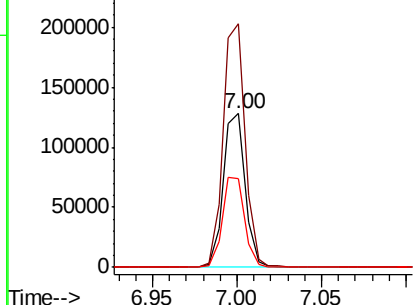
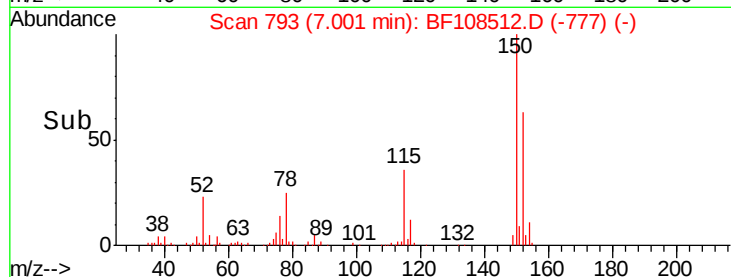
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108512.D
Acq: 27 Aug 2018 16:01

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	57.5	50.1	75.1



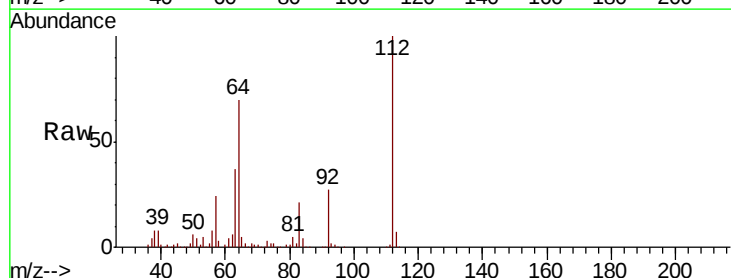
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



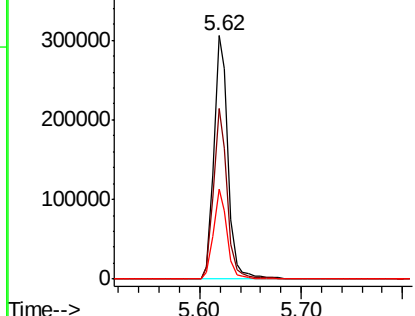
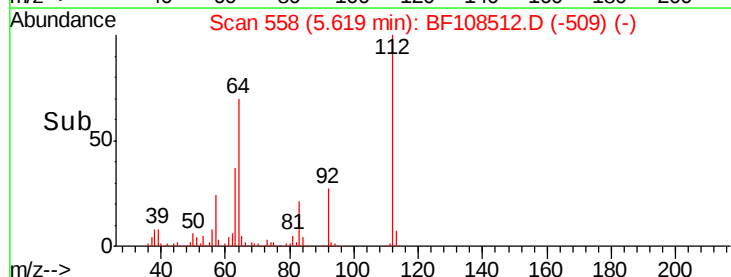
#5

2-Fluorophenol
Concen: 46.599 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108512.D
Acq: 27 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	47.9	71.9
63	36.9	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: 48.436 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108512.D

Acq: 27 Aug 2018 16:01

Instrument :

BNA_F

ClientSampled :

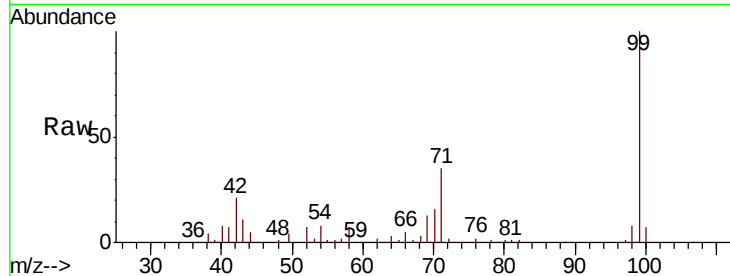
Tot Ion: 99 Resp: 412421

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

71 34.8 25.4 38.0



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

500000

400000

300000

200000

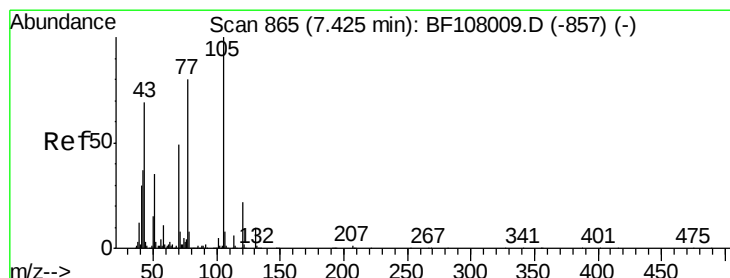
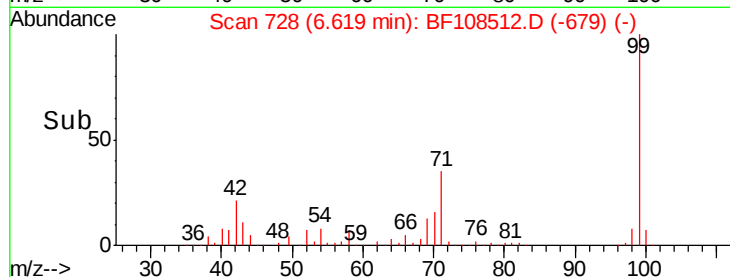
100000

0

6.62

6.55 6.60 6.65 6.70

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 6.098 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108512.D

Acq: 27 Aug 2018 16:01

Tgt Ion: 70 Resp: 35112

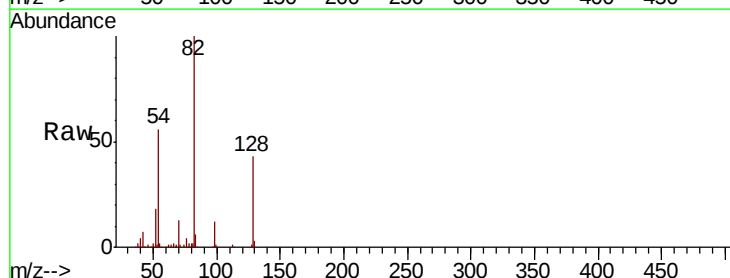
Ion Ratio Lower Upper

70 100

42 54.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



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

50000

40000

30000

20000

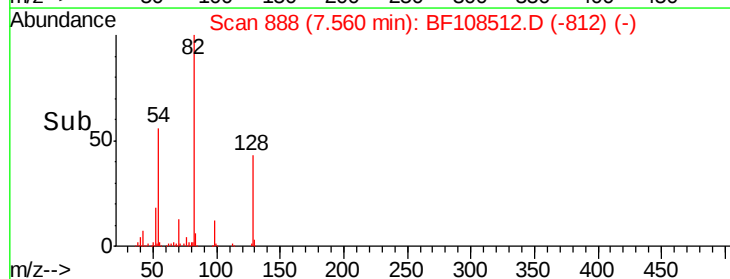
10000

0

7.56

7.50 7.55 7.60 7.65

Time-->

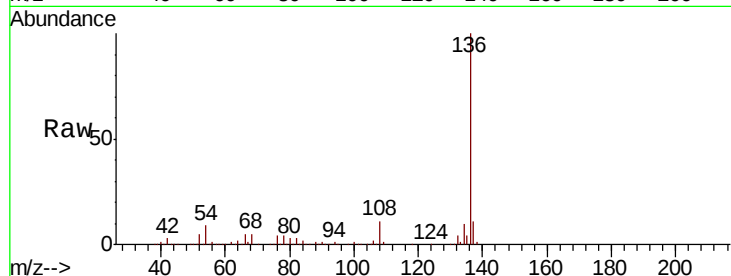




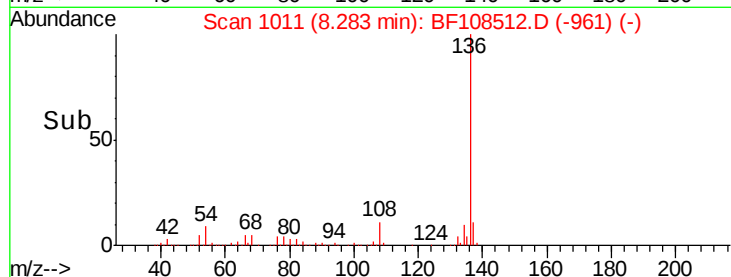
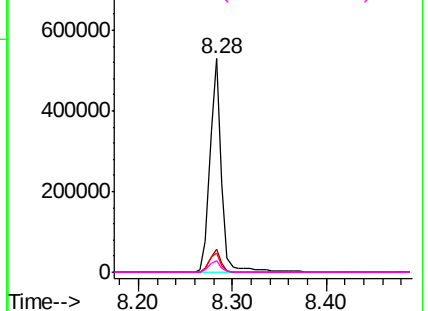
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108512.D
Acq: 27 Aug 2018 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	461374
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	9.2	6.6 9.8
68	5.5	5.0 7.4

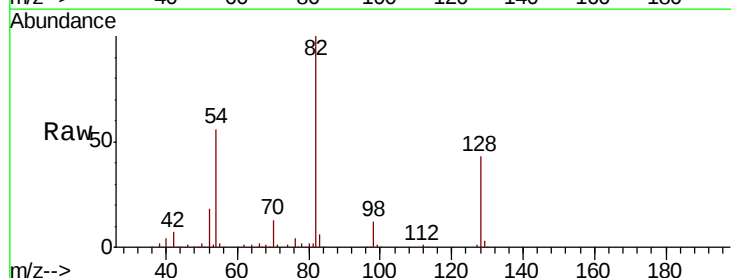


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

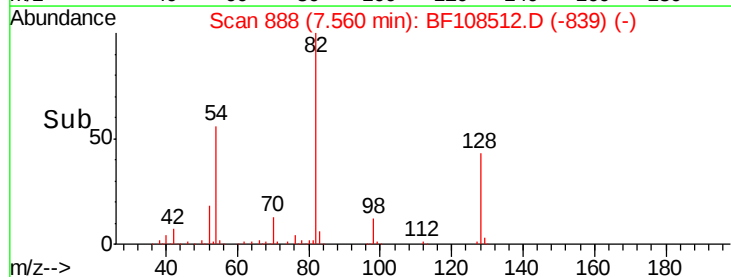
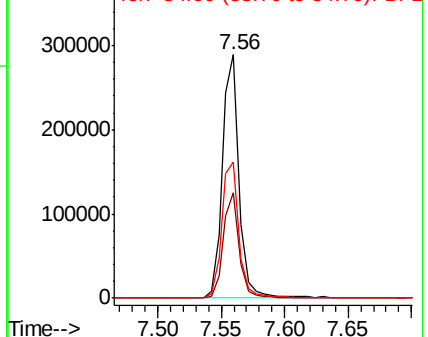


#23
Nitrobenzene-d5
Concen: 32.141 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108512.D
Acq: 27 Aug 2018 16:01

Tgt Ion: 82	Resp:	265747
Ion	Ratio	Lower Upper
82	100	
128	43.2	36.1 54.1
54	55.9	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: 16.863 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF108512.D

Acq: 27 Aug 2018 16:01

Instrument :

BNA_F

ClientSampled :

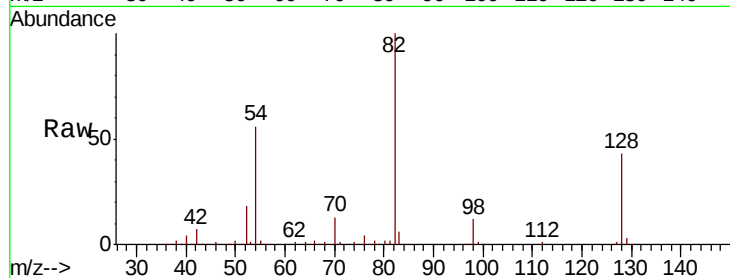
Tot Ion: 82 Resp: 265745

Ion Ratio Lower Upper

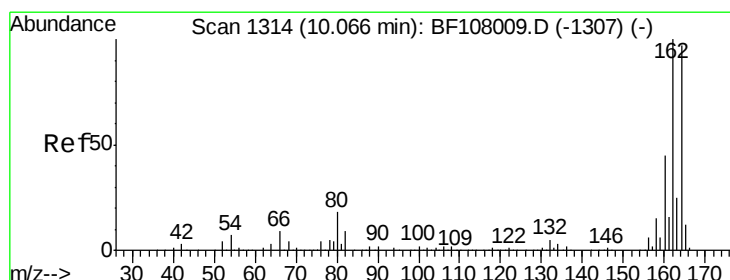
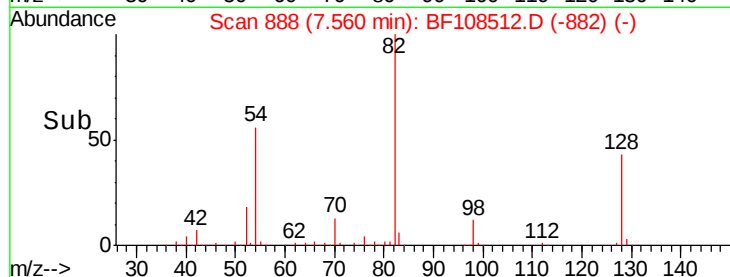
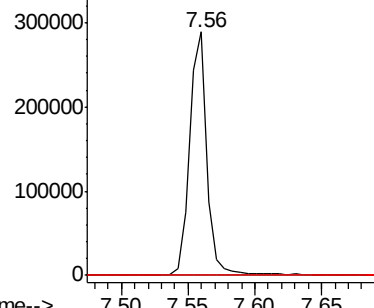
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108512.D

Acq: 27 Aug 2018 16:01

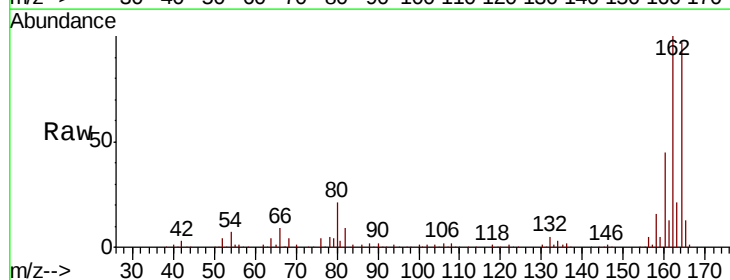
Tgt Ion:164 Resp: 229374

Ion Ratio Lower Upper

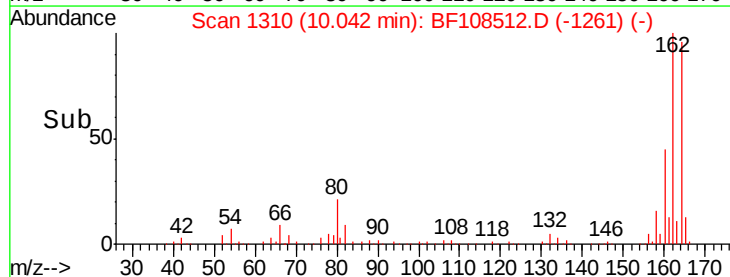
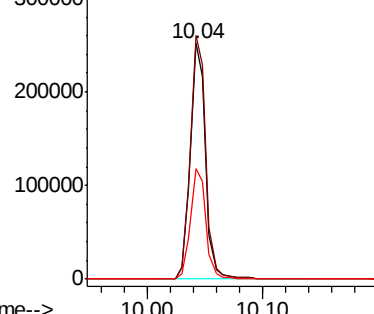
164 100

162 103.4 86.1 129.1

160 46.8 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

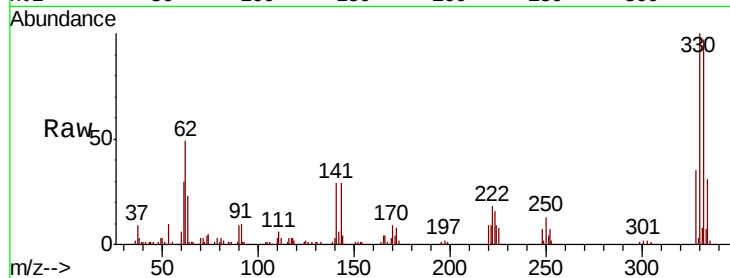




#41
 2,4,6-Tribromophenol
 Concen: 45.463 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108512.D
 Acq: 27 Aug 2018 16:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	32.7	29.9	44.9

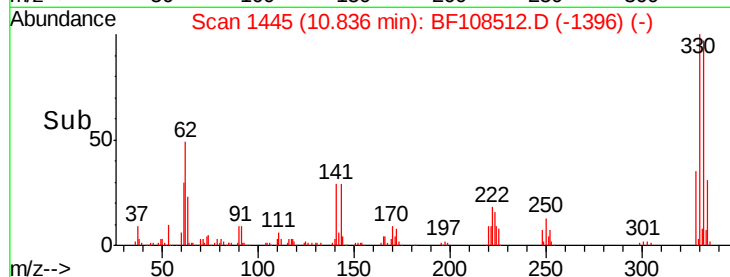
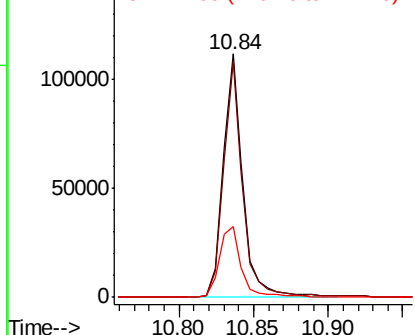


Abundance

Ion 329.80 (329.50 to 330.50): E

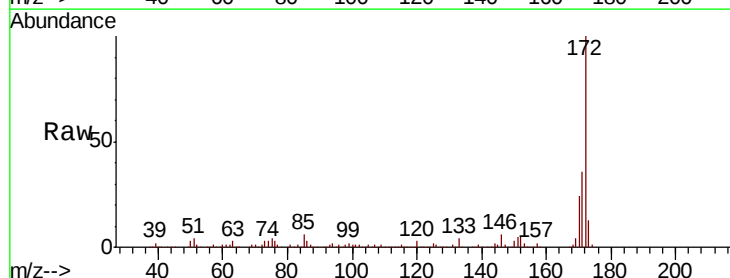
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 37.052 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108512.D
 Acq: 27 Aug 2018 16:01

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

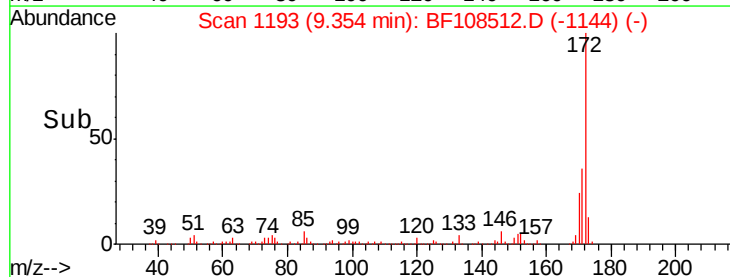
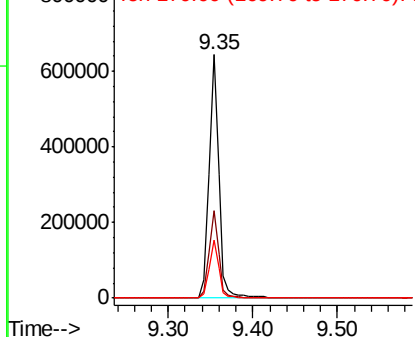


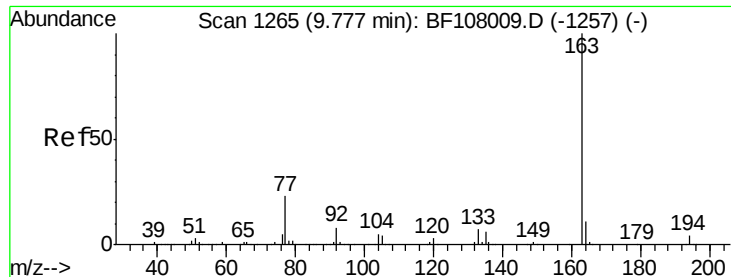
Abundance

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

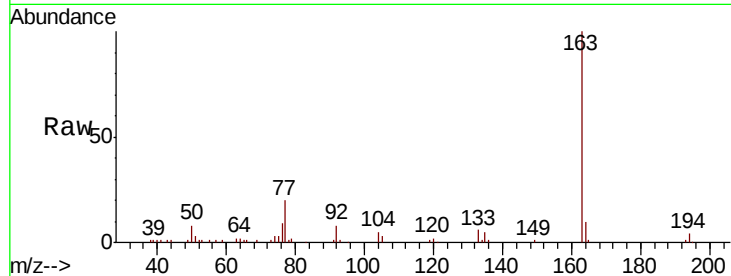




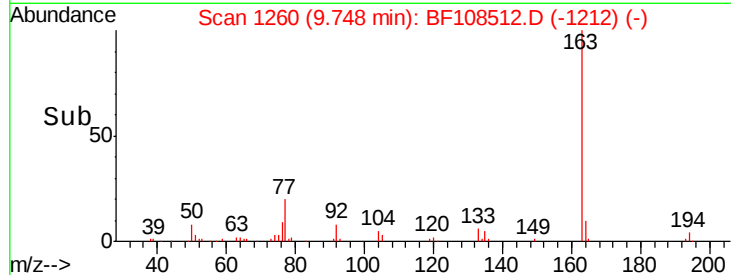
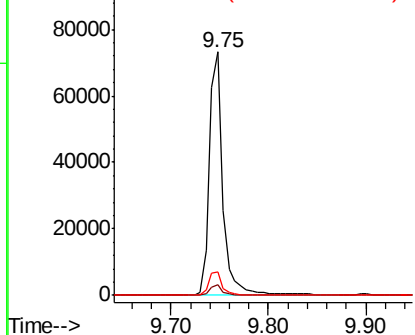
#49
Dimethylphthalate
Concen: 4.414 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108512.D
Acq: 27 Aug 2018 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 70525
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 9.7 8.2 12.2

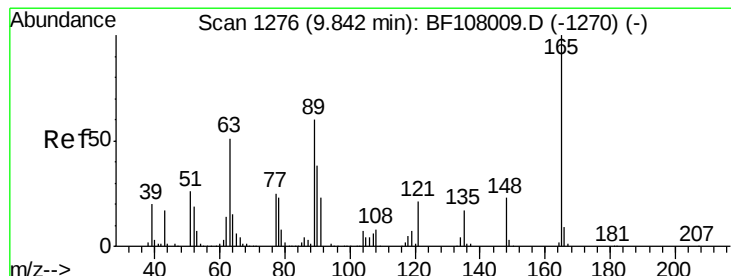


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

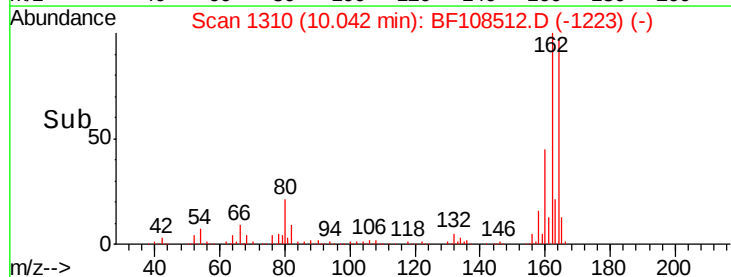
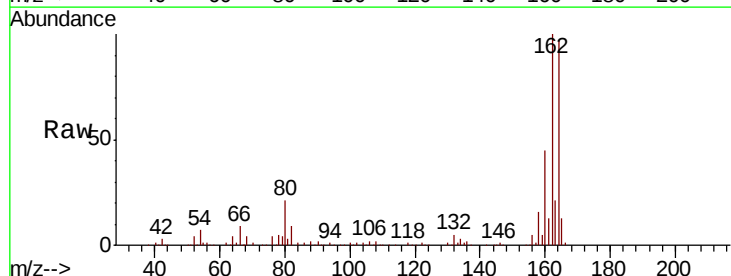
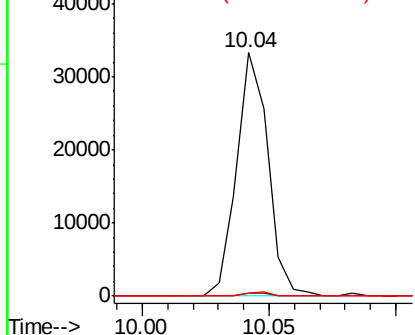


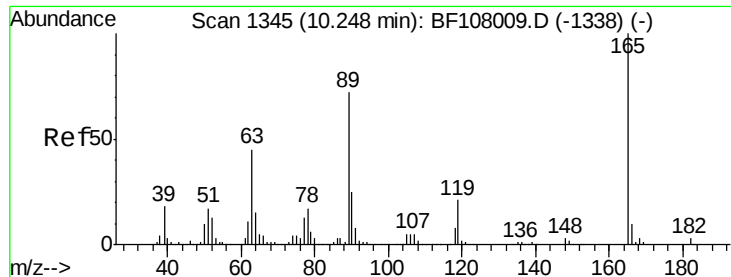
#50
2,6-Dinitrotoluene
Concen: 8.565 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108512.D
Acq: 27 Aug 2018 16:01

Tgt Ion:165 Resp: 28633
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.3 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

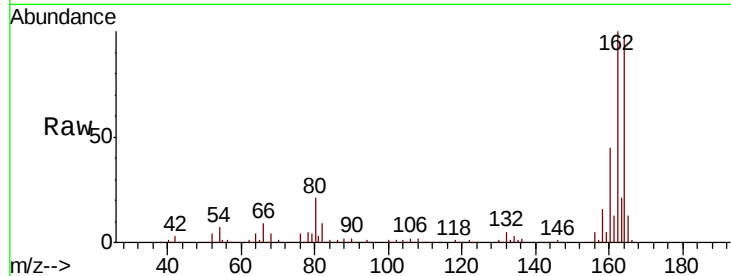




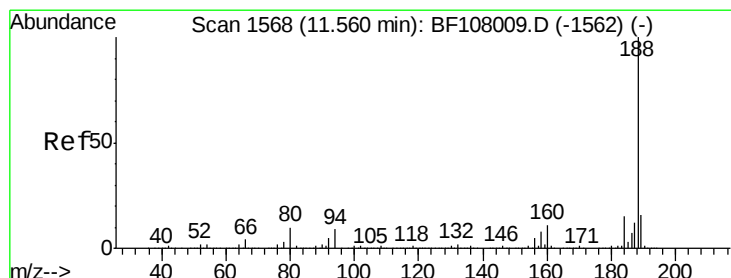
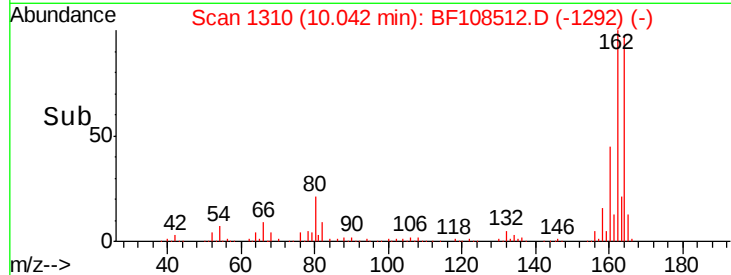
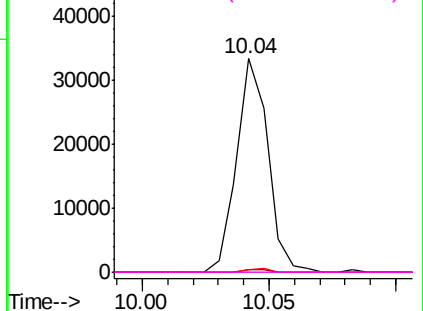
#56
 2,4-Dinitrotoluene
 Concen: 6.654 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108512.D
 Acq: 27 Aug 2018 16:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	28633
Ion Ratio	Lower	Upper
165	100	
63	1.1	36.4 54.6#
89	1.3	57.8 86.6#
182	0.0	1.6 2.4#

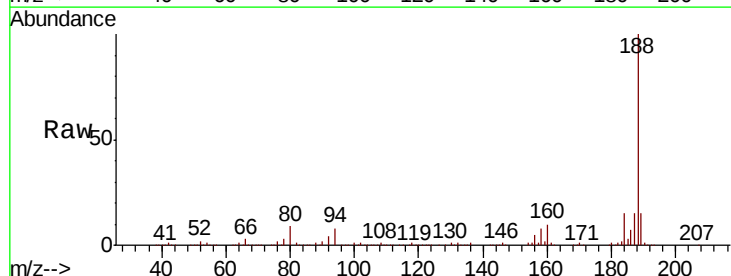


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

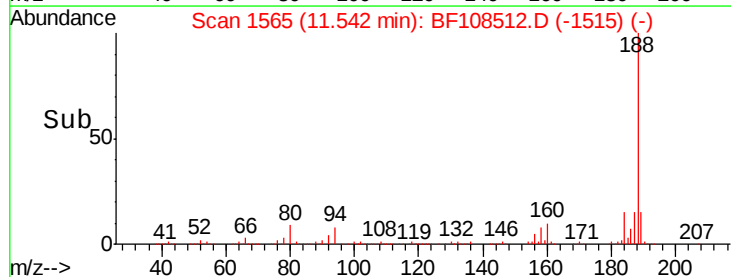
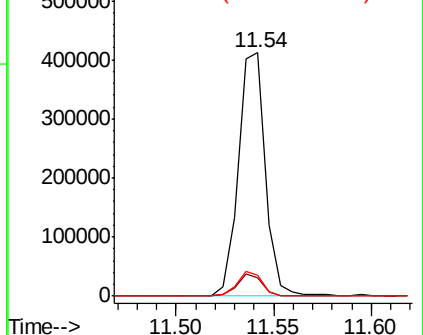


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108512.D
 Acq: 27 Aug 2018 16:01

Tgt Ion:188	Resp:	394201
Ion Ratio	Lower	Upper
188	100	
94	7.6	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





#64

4,6-Dinitro-2-methylphenol

Concen: 5.428 ng

RT: 10.84 min Scan# 1445

Delta R.T. 0.19 min

Lab File: BF108512.D

Acq: 27 Aug 2018 16:01

Instrument :

BNA_F

ClientSampleId :

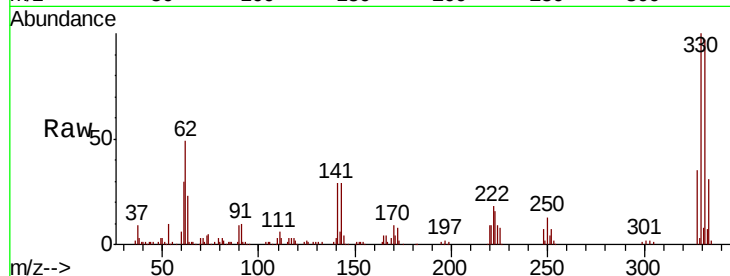
Tot Ion:198 Resp: 116

Ion Ratio Lower Upper

198 100

51 174.2 37.7 77.7#

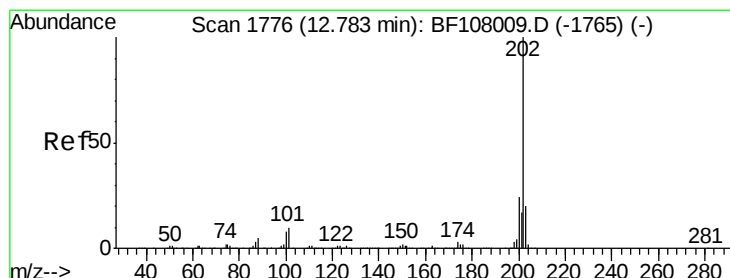
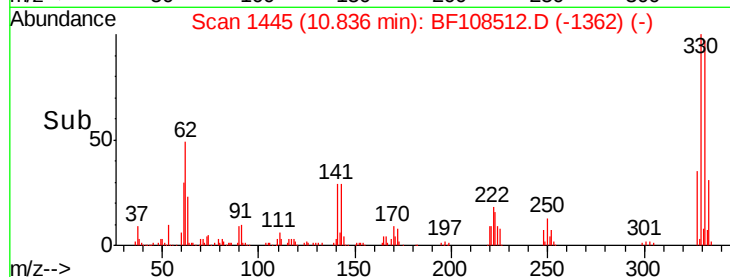
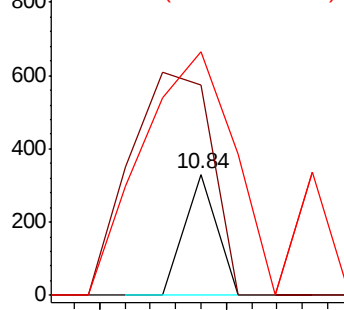
105 201.5 36.3 76.3#



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



#74

Fluoranthene

Concen: 2.932 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108512.D

Acq: 27 Aug 2018 16:01

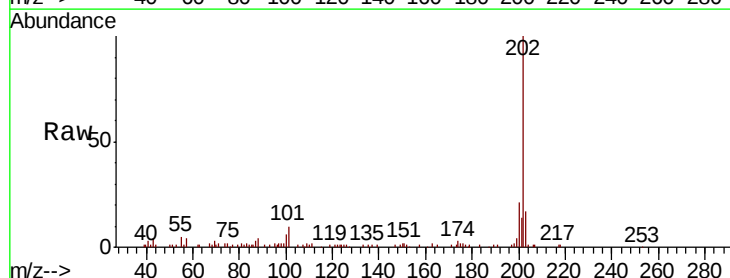
Tgt Ion:202 Resp: 59492

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

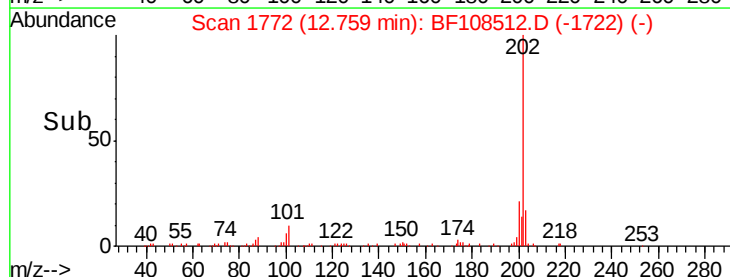
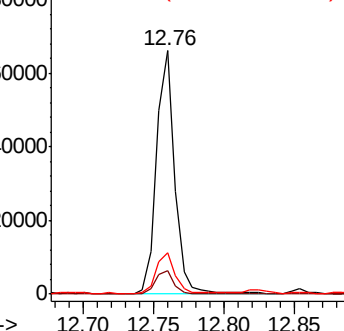
203 17.0 0.0 38.1

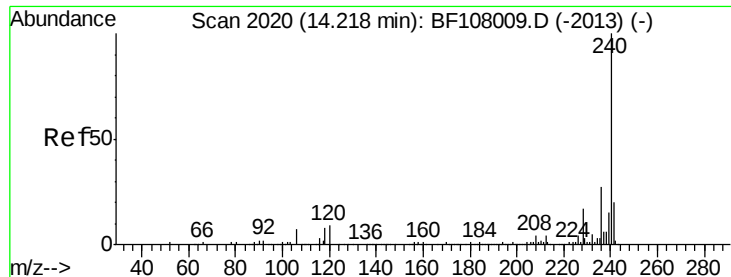


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF108512.D

Acq: 27 Aug 2018 16:01

Instrument :

BNA_F

ClientSampleId :

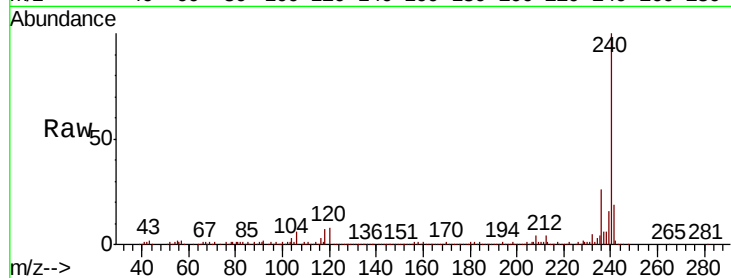
Tot Ion:240 Resp: 299566

Ion Ratio Lower Upper

240 100

120 8.4 9.5 14.3#

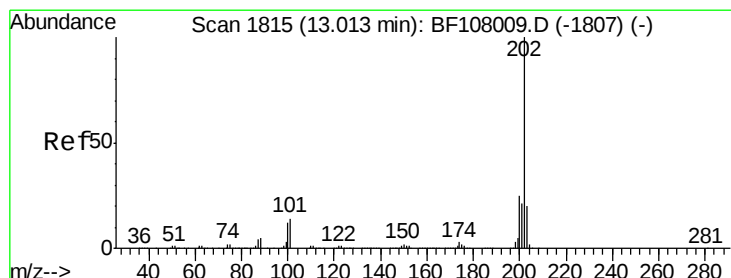
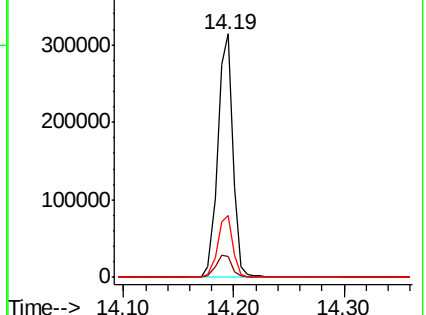
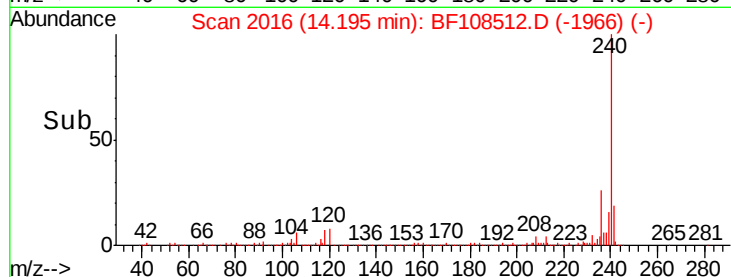
236 25.7 20.7 31.1



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: 2.760 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108512.D

Acq: 27 Aug 2018 16:01

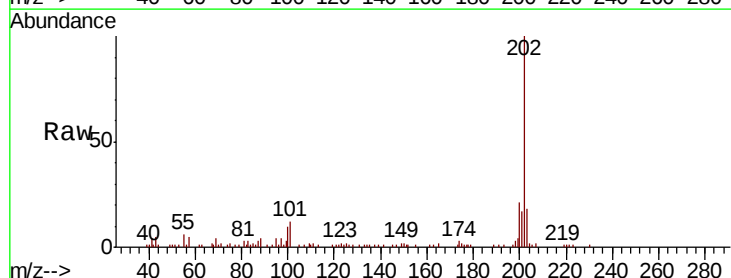
Tgt Ion:202 Resp: 52346

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

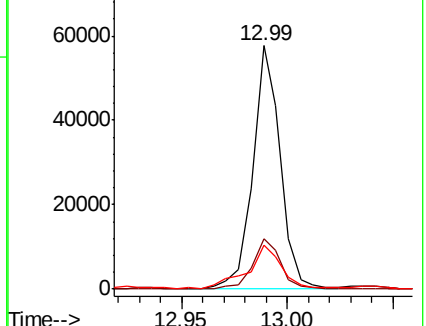
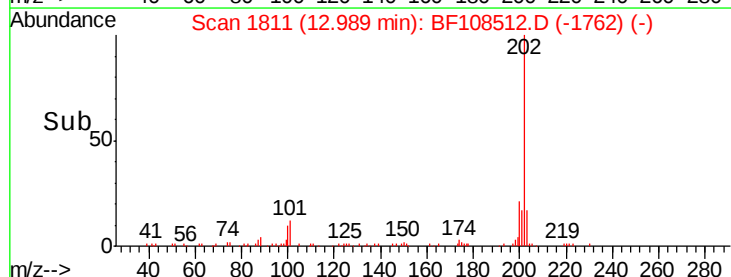
203 17.8 14.3 21.5

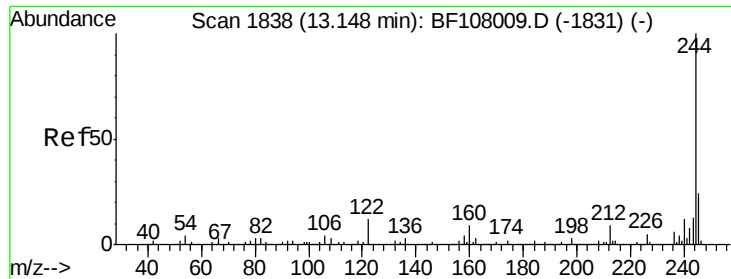


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 35.334 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108512.D

Acq: 27 Aug 2018 16:01

Instrument :

BNA_F

ClientSampleId :

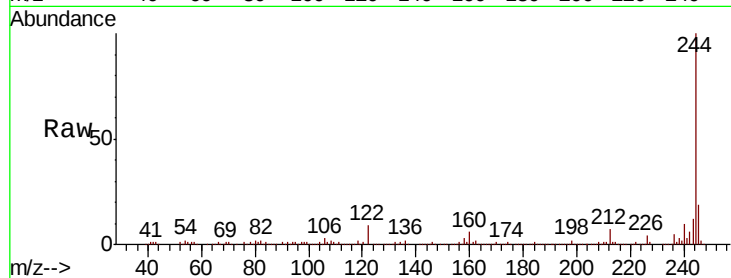
Tot Ion:244 Resp: 416302

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

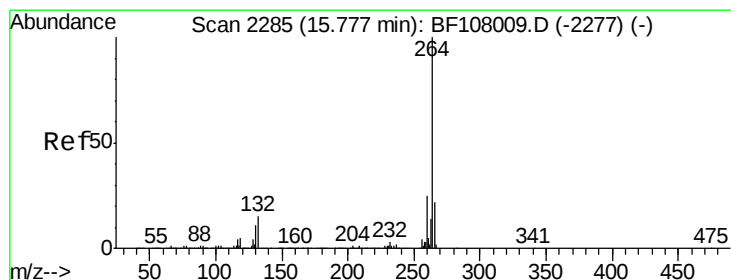
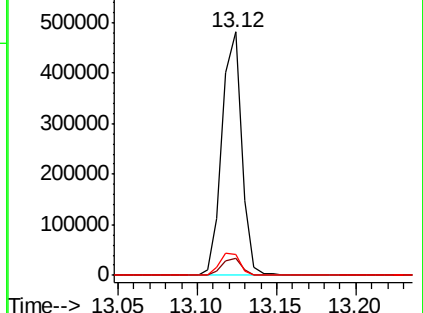
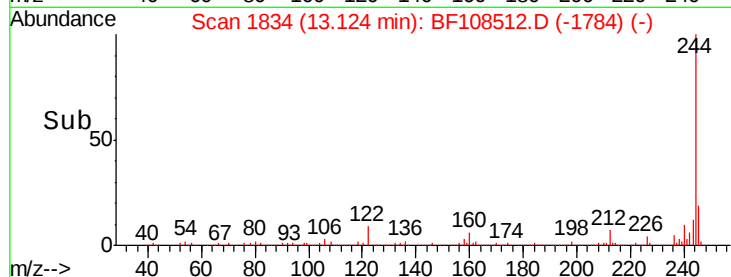
122 8.6 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108512.D

Acq: 27 Aug 2018 16:01

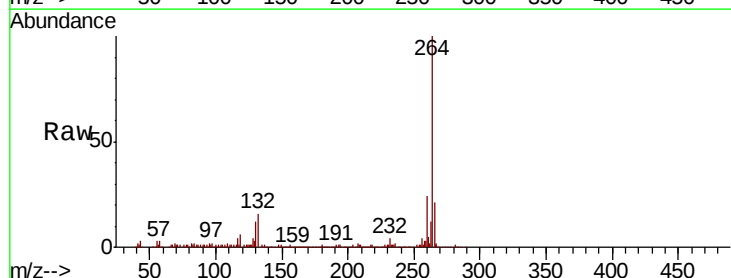
Tgt Ion:264 Resp: 280809

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

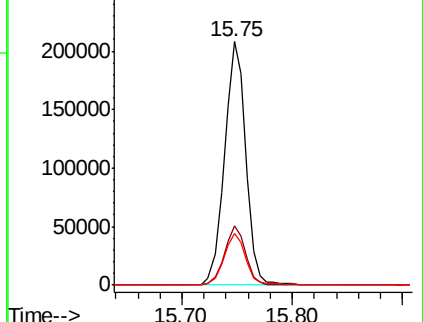
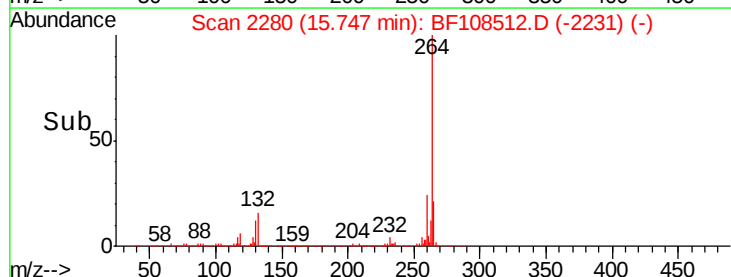
265 21.3 17.5 26.3

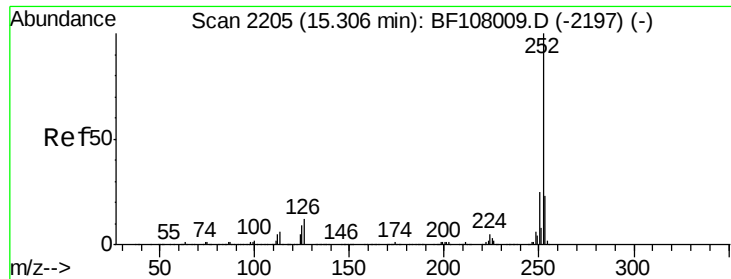


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

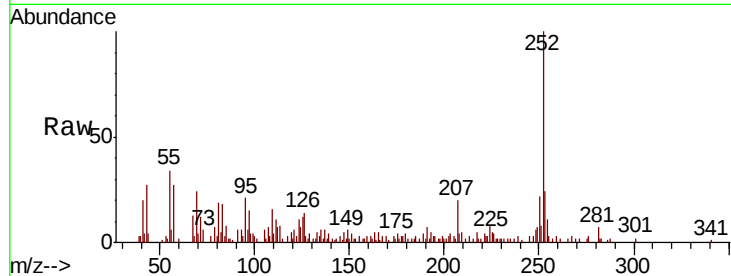




#87
Benzo(b)fluoranthene
Concen: 2.737 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108512.D
Acq: 27 Aug 2018 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	12.3	9.0	13.6

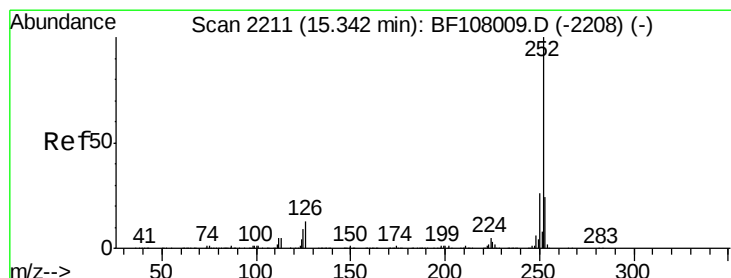
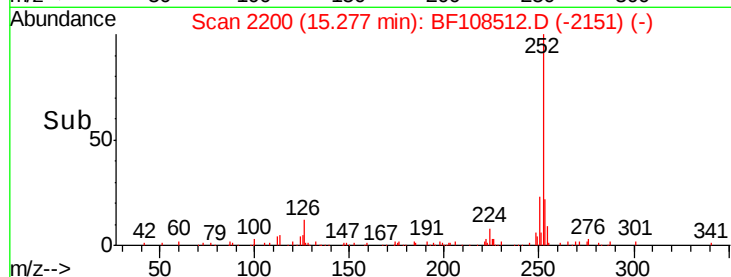
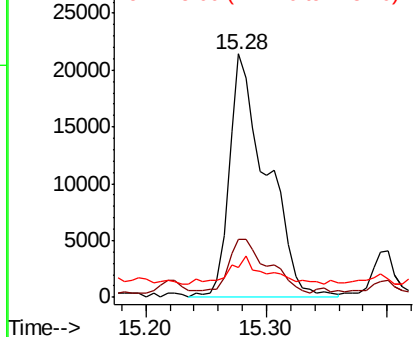


Abundance

Ion 252.00 (251.70 to 252.70): E

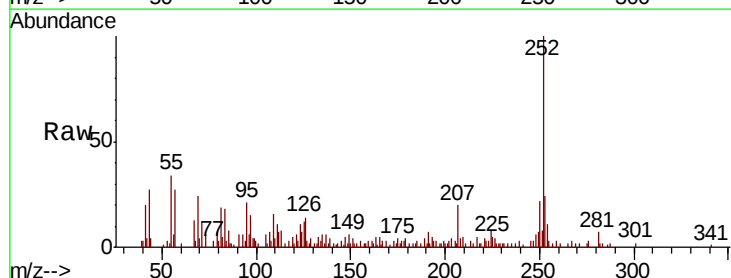
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.978 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.05 min
Lab File: BF108512.D
Acq: 27 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	12.3	10.2	15.2



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

