

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082418\
 Data File : BF108486.D
 Acq On : 25 Aug 2018 1:39
 Operator : JU/SJ
 Sample : J4612-04 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200027

Quant Time: Aug 25 02:10:16 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

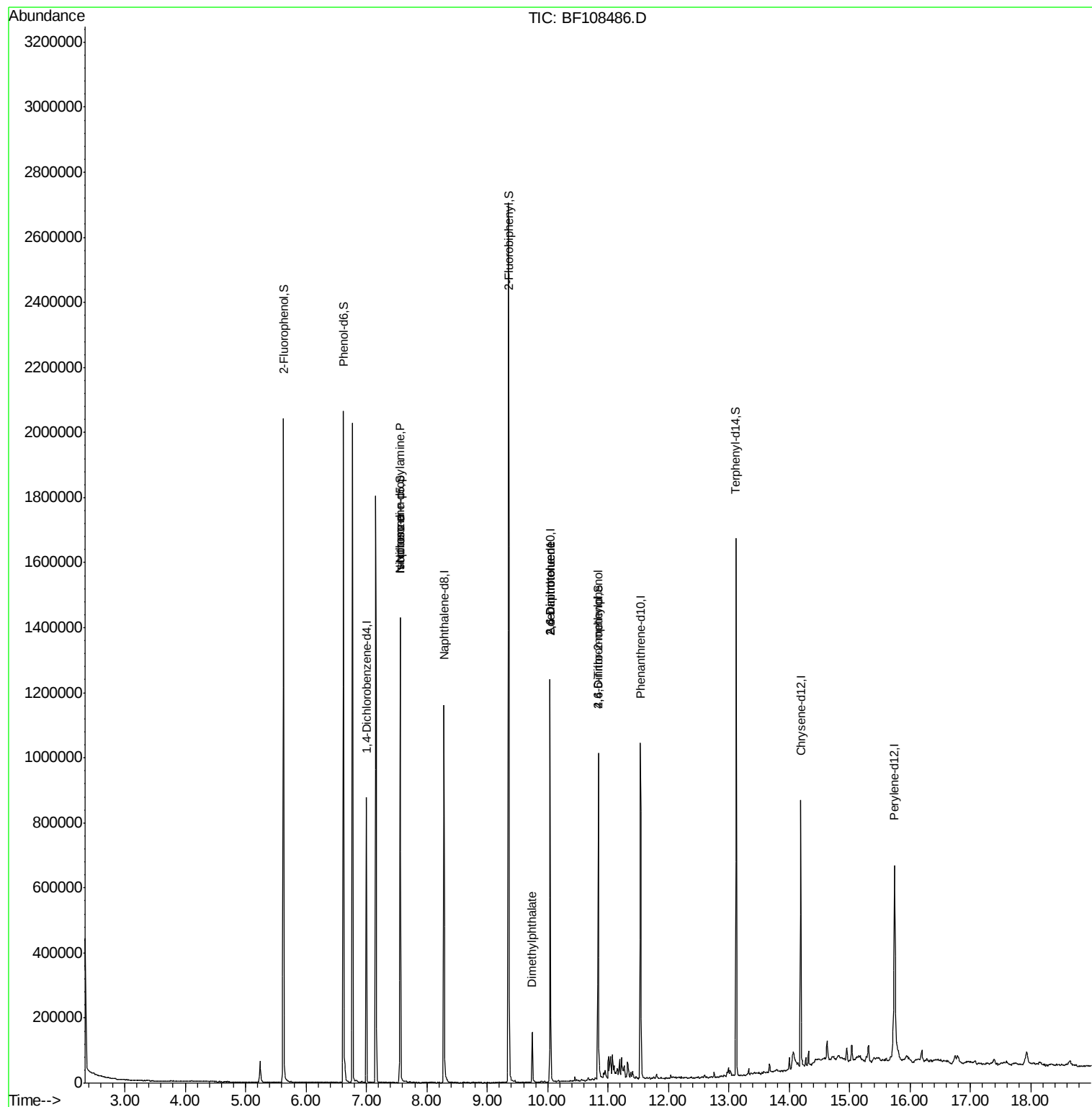
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	129392	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	494539	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	230454	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	375214	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	272748	20.00	ng	-0.01
86) Perylene-d12	15.74	264	278865	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	491507	68.77	ng	0.00
7) Phenol-d6	6.62	99	662492	69.76	ng	-0.01
23) Nitrobenzene-d5	7.56	82	425596	48.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	127734	55.57	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	802764	55.92	ng	-0.01
78) Terphenyl-d14	13.12	244	579328	54.01	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	56041	8.726	ng	# 82
25) Isophorone	7.56	82	425656	25.198	ng	# 64
49) Dimethylphthalate	9.75	163	71945	4.482	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	29908	8.905	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	29908	6.918	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	108	5.427	ng	# 1

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

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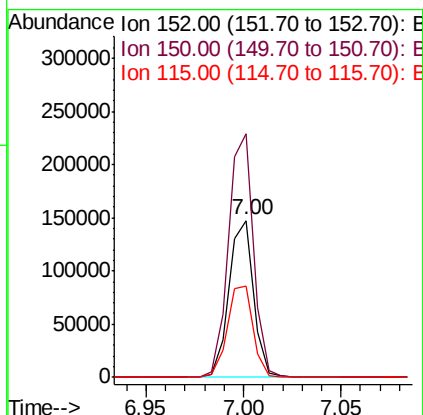
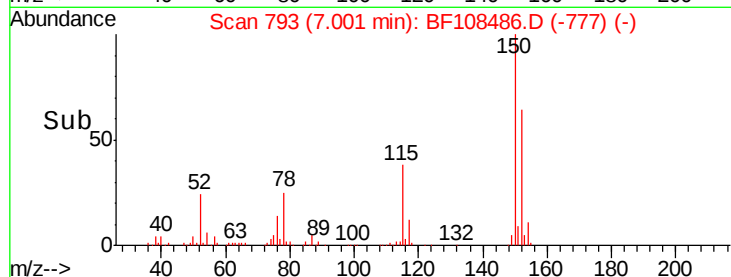
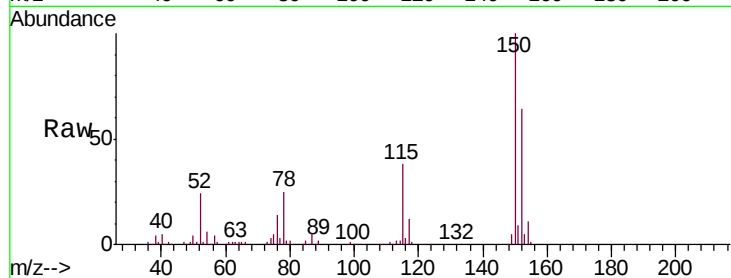


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108486.D
Acq: 25 Aug 2018 1:39

Instrument :
BNA_F
ClientSampleId :
RBR200027

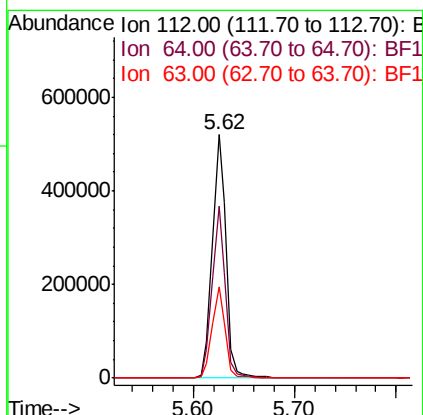
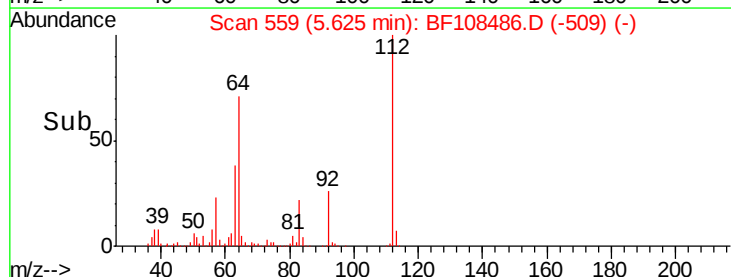
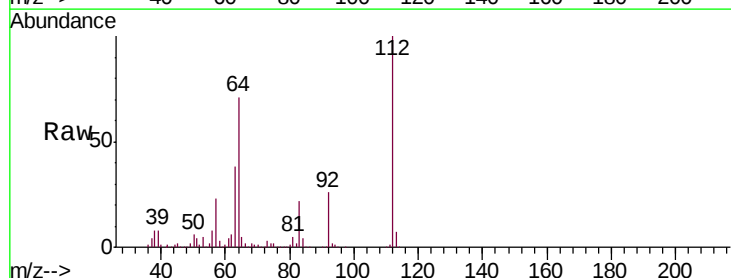
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	58.2	50.1	75.1



#5

2-Fluorophenol
Concen: 68.772 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108486.D
Acq: 25 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.7	47.9	71.9
63	37.7	23.7	35.5





#7

Phenol-d6

Concen: 69.756 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108486.D

Acq: 25 Aug 2018 1:39

Instrument :

BNA_F

ClientSampleId :

RBR200027

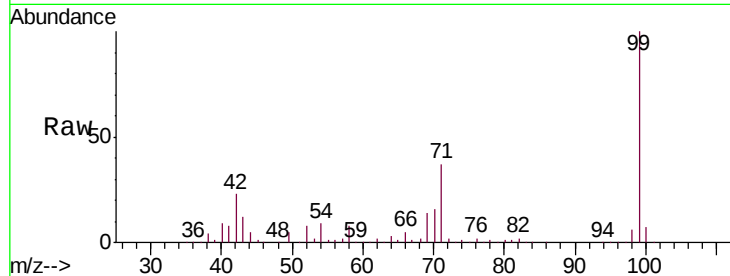
Tgt Ion: 99 Resp: 662492

Ion Ratio Lower Upper

99 100

42 22.6 14.5 21.7#

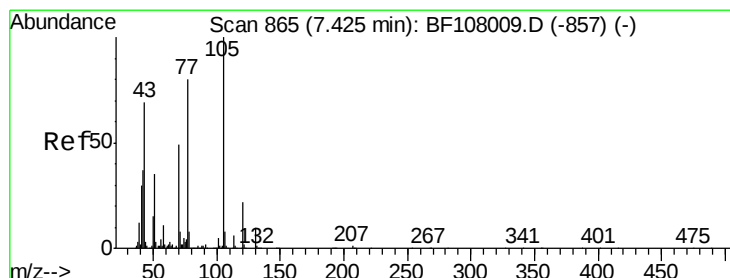
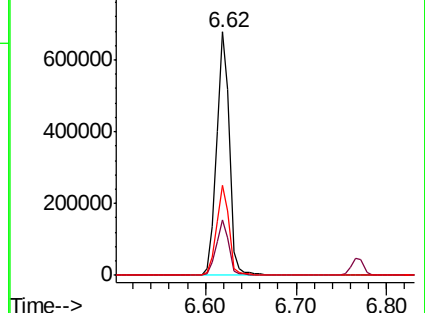
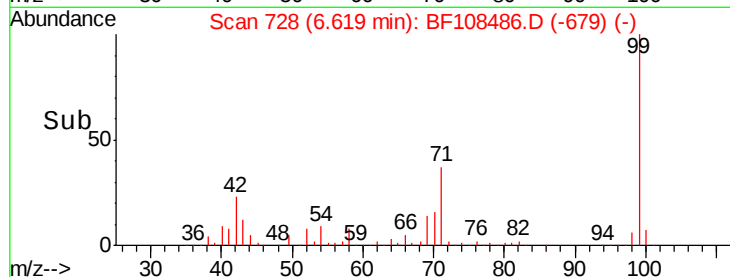
71 37.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.726 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108486.D

Acq: 25 Aug 2018 1:39

Tgt Ion: 70 Resp: 56041

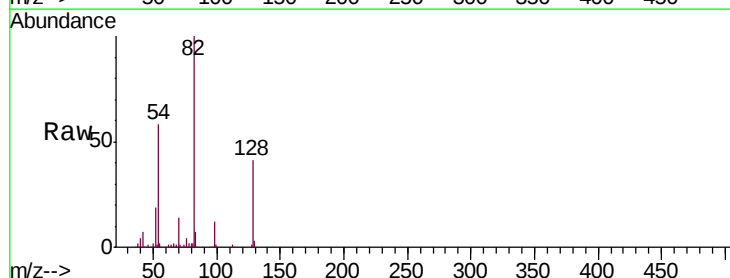
Ion Ratio Lower Upper

70 100

42 53.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

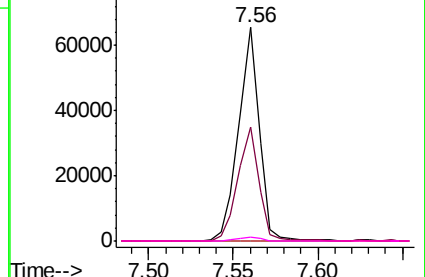
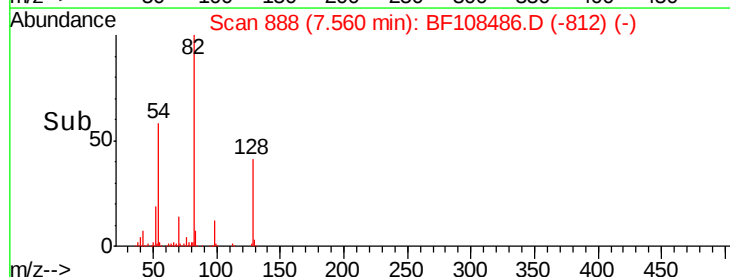


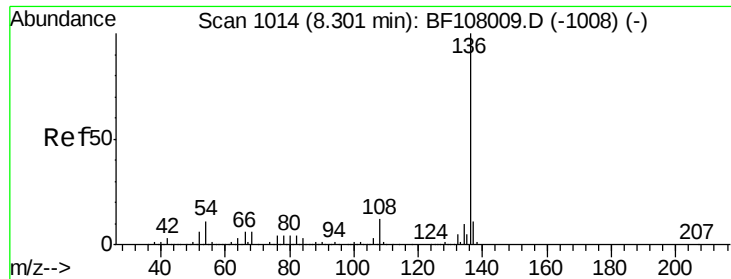
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

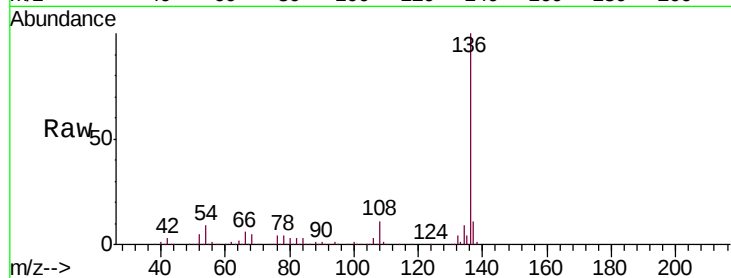




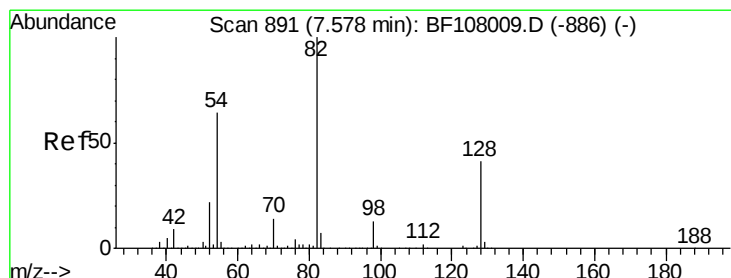
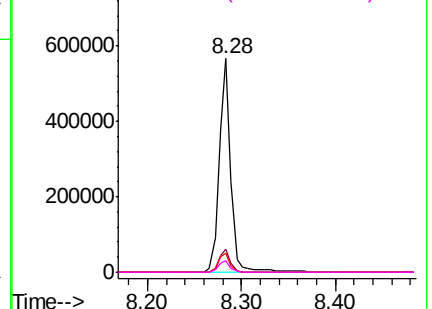
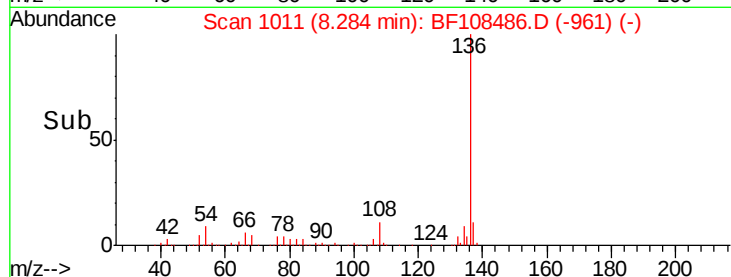
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108486.D
Acq: 25 Aug 2018 1:39

Instrument :
BNA_F
ClientSampleId :
RBR200027

Tgt Ion:	136	Resp:	494539
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	6.6	9.8
68	5.5	5.0	7.4

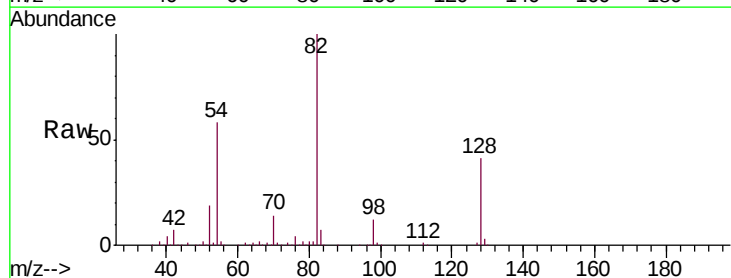


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

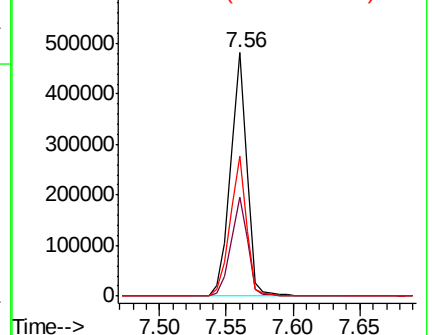
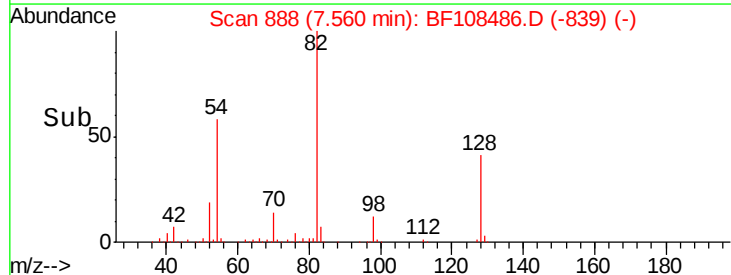


#23
Nitrobenzene-d5
Concen: 48.022 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108486.D
Acq: 25 Aug 2018 1:39

Tgt Ion:	82	Resp:	425596
Ion	Ratio	Lower	Upper
82	100		
128	40.8	36.1	54.1
54	57.6	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

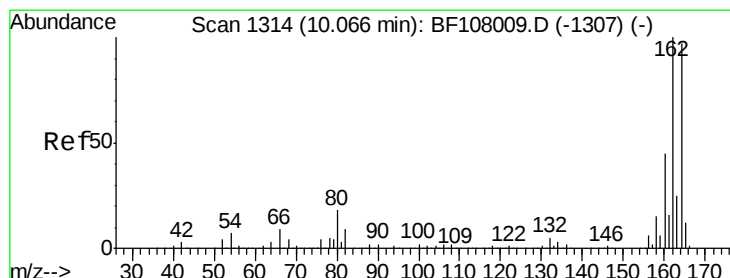
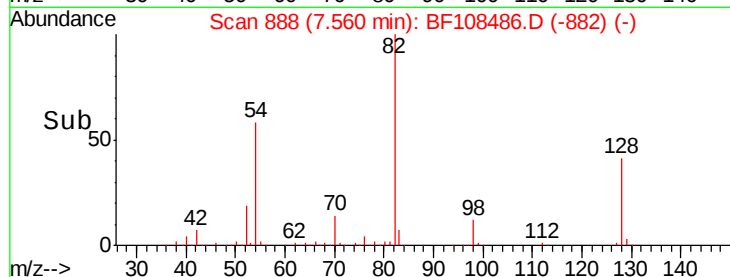
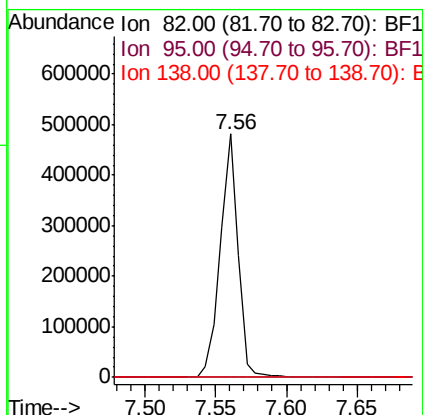
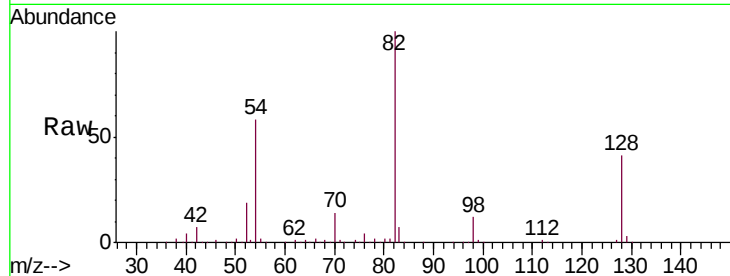




#25
Isophorone
Concen: 25.198 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.26 min
Lab File: BF108486.D
Acq: 25 Aug 2018 1:39

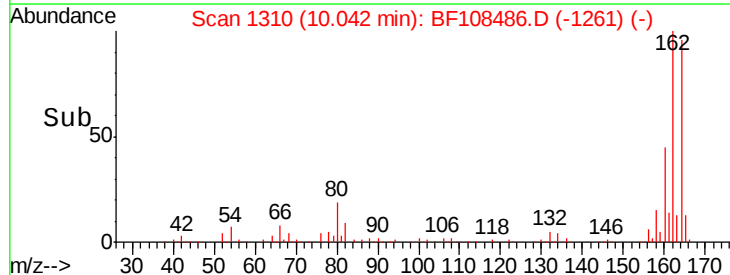
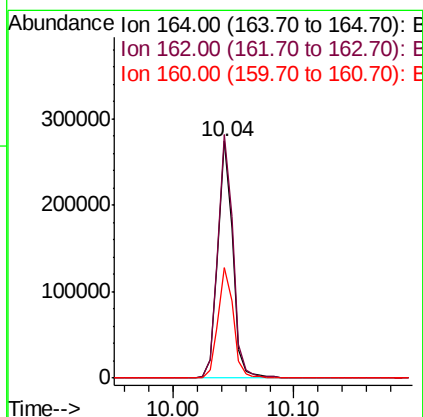
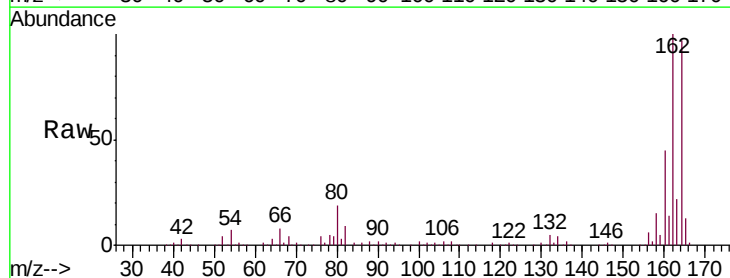
Instrument :
BNA_F
ClientSampleId :
RBR200027

Tgt Ion: 82 Resp: 425656
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: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108486.D
Acq: 25 Aug 2018 1:39

Tgt Ion: 164 Resp: 230454
Ion Ratio Lower Upper
164 100
162 102.8 86.1 129.1
160 46.7 38.3 57.5

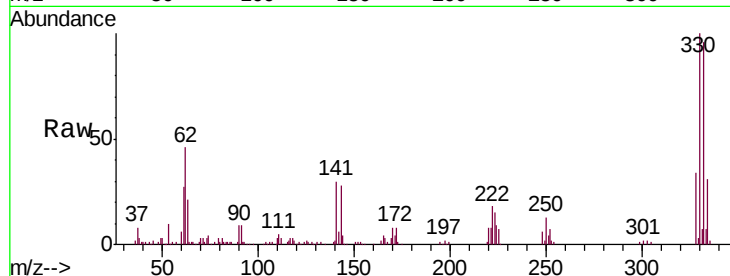




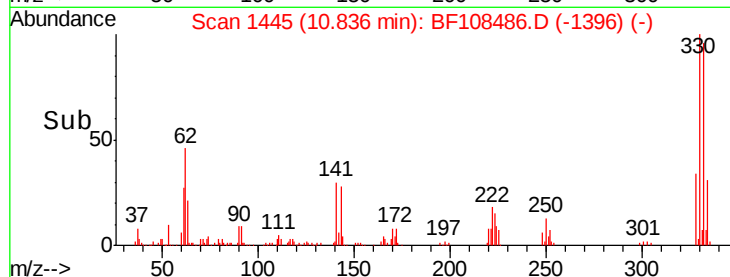
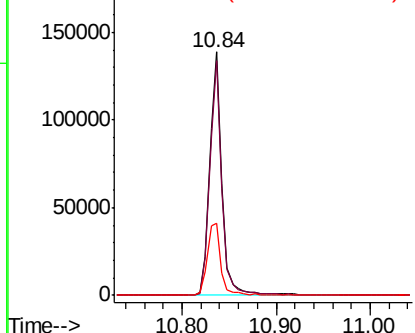
#41
 2,4,6-Tribromophenol
 Concen: 55.567 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108486.D
 Acq: 25 Aug 2018 1:39

Instrument :
 BNA_F
 ClientSampleId :
 RBR200027

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	33.1	29.9	44.9

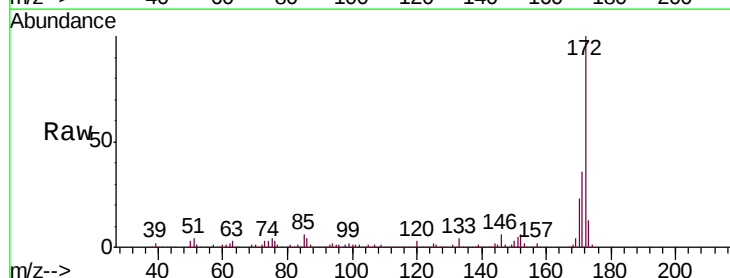


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

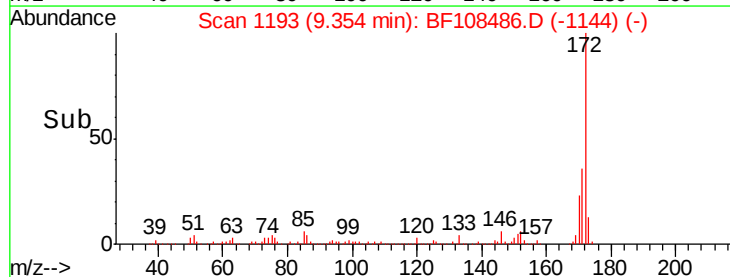
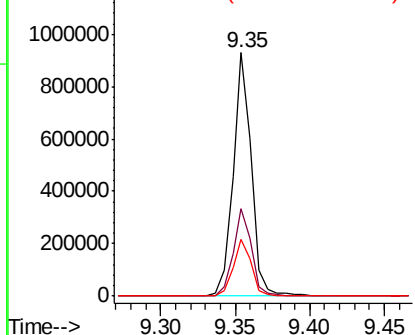


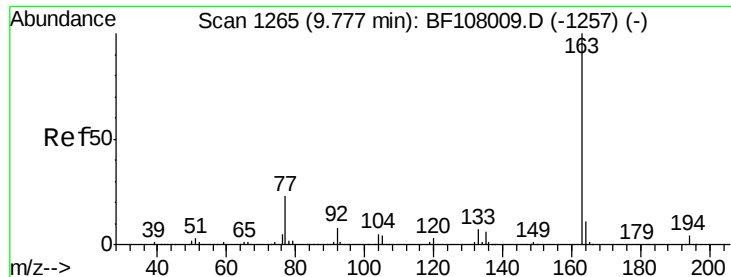
#44
 2-Fluorobiphenyl
 Concen: 55.925 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108486.D
 Acq: 25 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.4	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

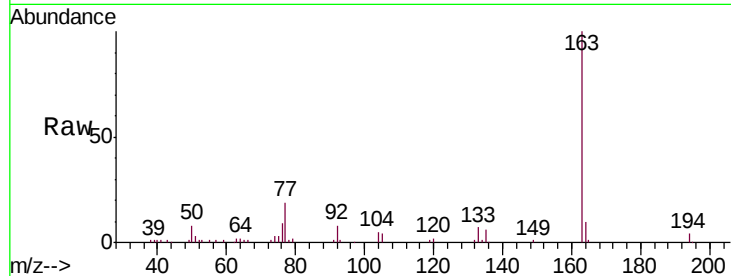




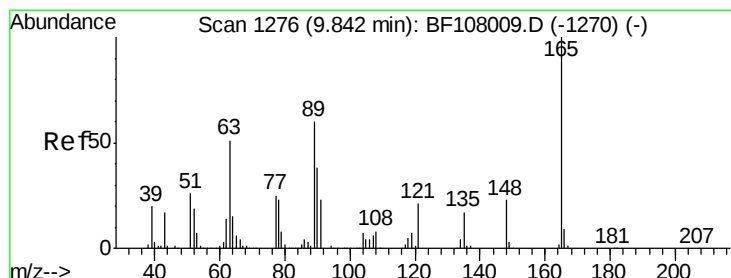
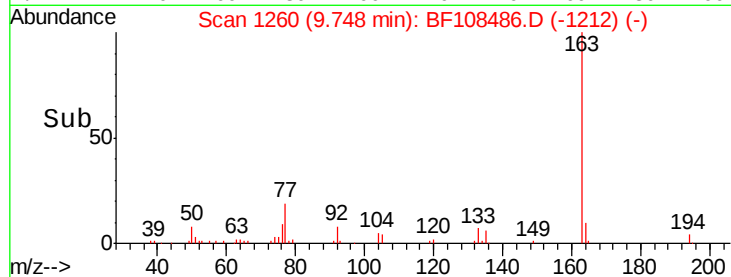
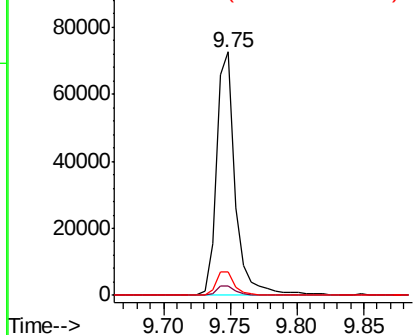
#49
Dimethylphthalate
Concen: 4.482 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108486.D
Acq: 25 Aug 2018 1:39

Instrument :
BNA_F
ClientSampleId :
RBR200027

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1
164	9.5	8.2	12.2

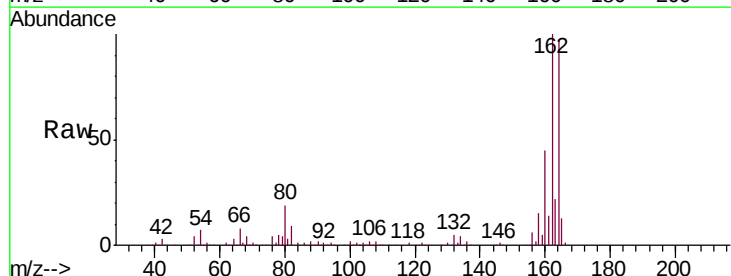


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

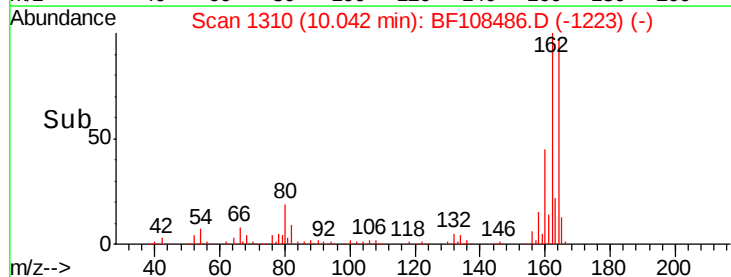
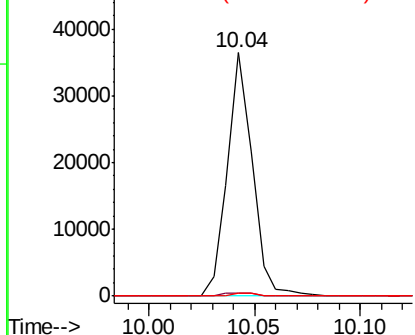


#50
2,6-Dinitrotoluene
Concen: 8.905 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108486.D
Acq: 25 Aug 2018 1:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.2	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

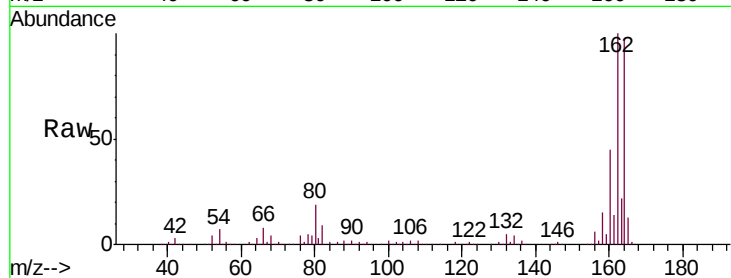




#56
 2,4-Dinitrotoluene
 Concen: 6.918 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108486.D
 Acq: 25 Aug 2018 1:39

Instrument :
 BNA_F
 ClientSampleId :
 RBR200027

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

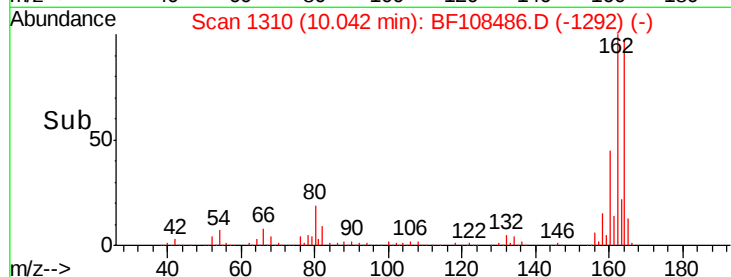
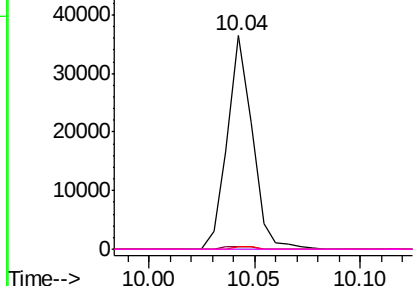


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

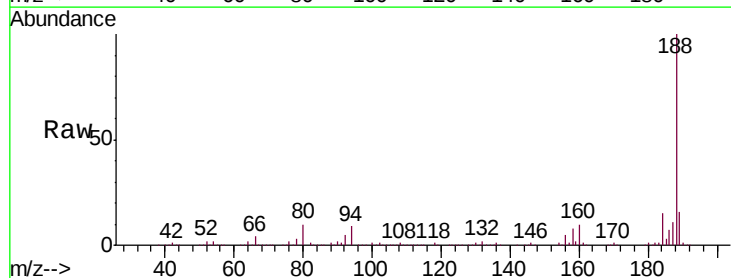
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108486.D
 Acq: 25 Aug 2018 1:39

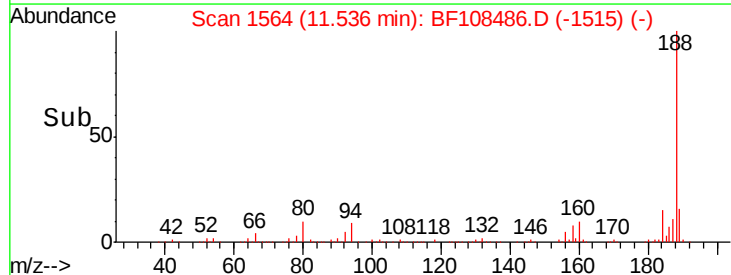
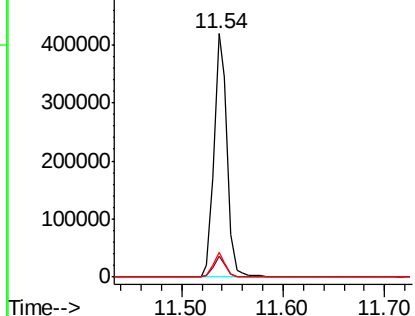
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	10.2	9.2	13.8

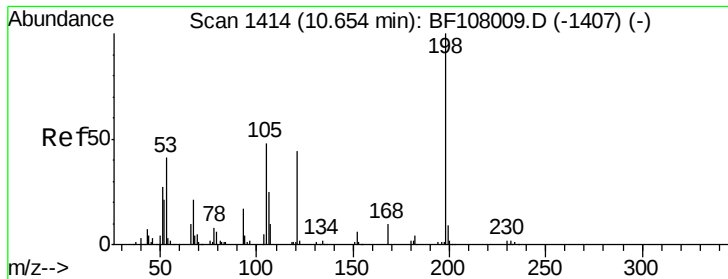


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

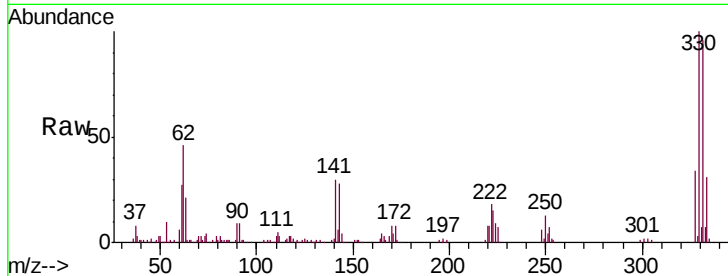




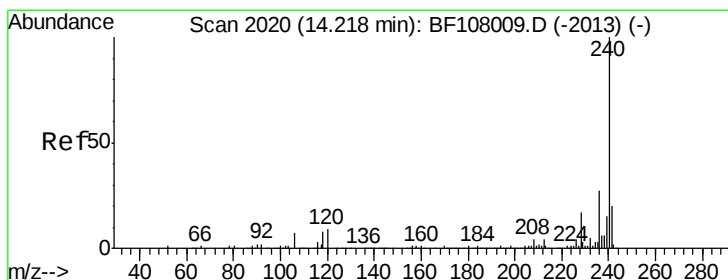
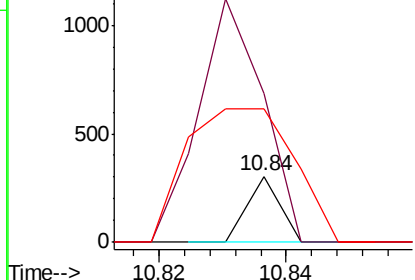
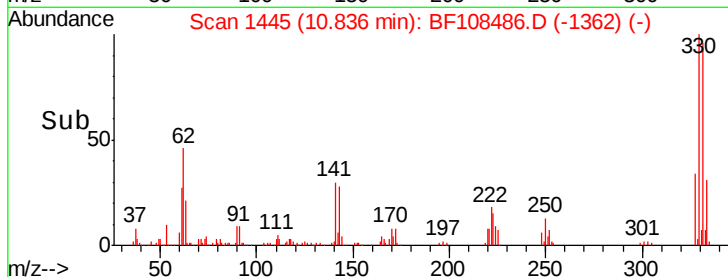
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.427 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108486.D
 Acq: 25 Aug 2018 1:39

Instrument :
 BNA_F
 ClientSampled :
 RBR200027

Tgt Ion:198 Resp: 108
 Ion Ratio Lower Upper
 198 100
 51 225.2 37.7 77.7#
 105 201.6 36.3 76.3#

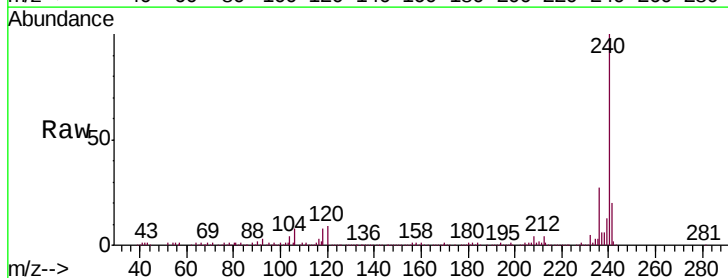


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

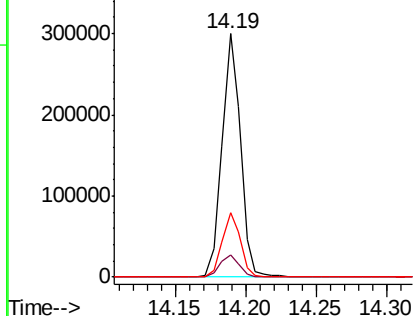
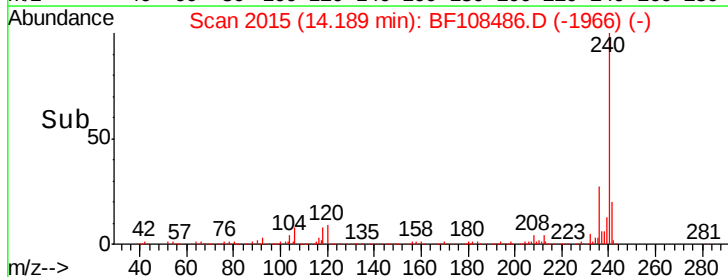


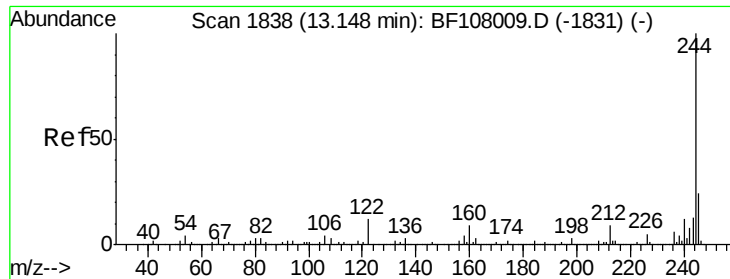
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108486.D
 Acq: 25 Aug 2018 1:39

Tgt Ion:240 Resp: 272748
 Ion Ratio Lower Upper
 240 100
 120 9.3 9.5 14.3#
 236 26.5 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





#78

Terphenyl-d14

Concen: 54.005 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108486.D

Acq: 25 Aug 2018 1:39

Instrument :

BNA_F

ClientSampleId :

RBR200027

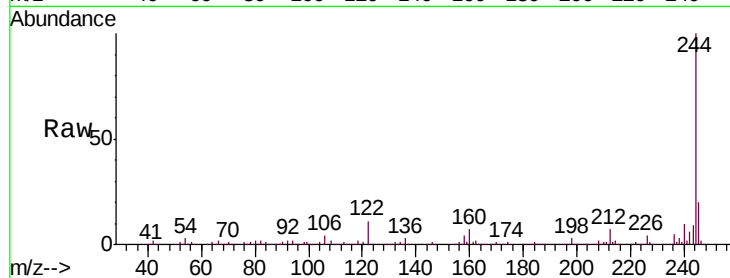
Tgt Ion:244 Resp: 579328

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

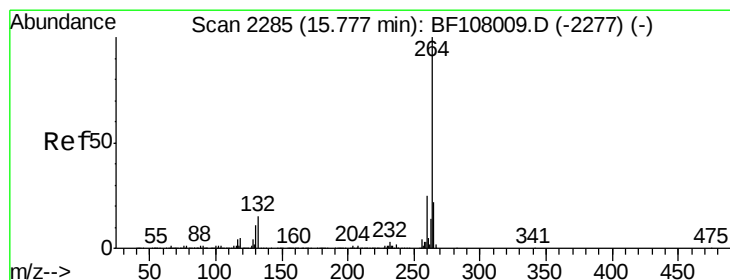
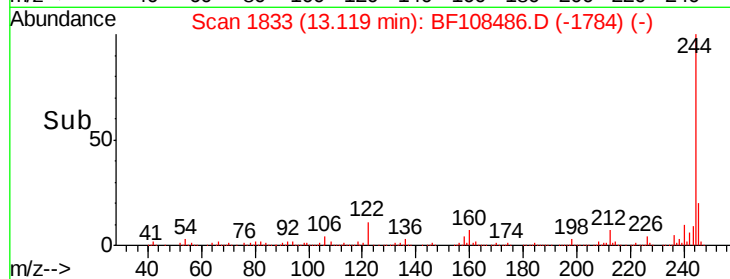
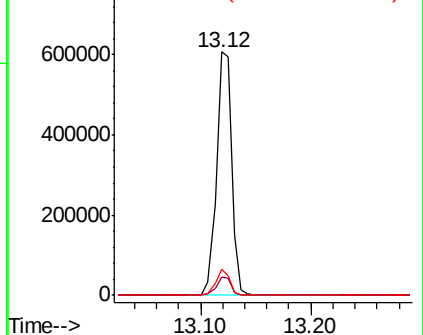
122 10.6 11.0 16.4#



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: 15.74 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF108486.D

Acq: 25 Aug 2018 1:39

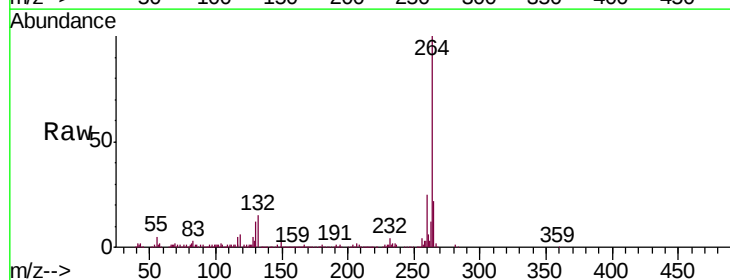
Tgt Ion:264 Resp: 278865

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 22.1 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

