

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
 Data File : BF108204.D
 Acq On : 16 Aug 2018 19:27
 Operator : JU/SJ
 Sample : J4282-05 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-081518-A

Quant Time: Aug 17 04:05:26 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

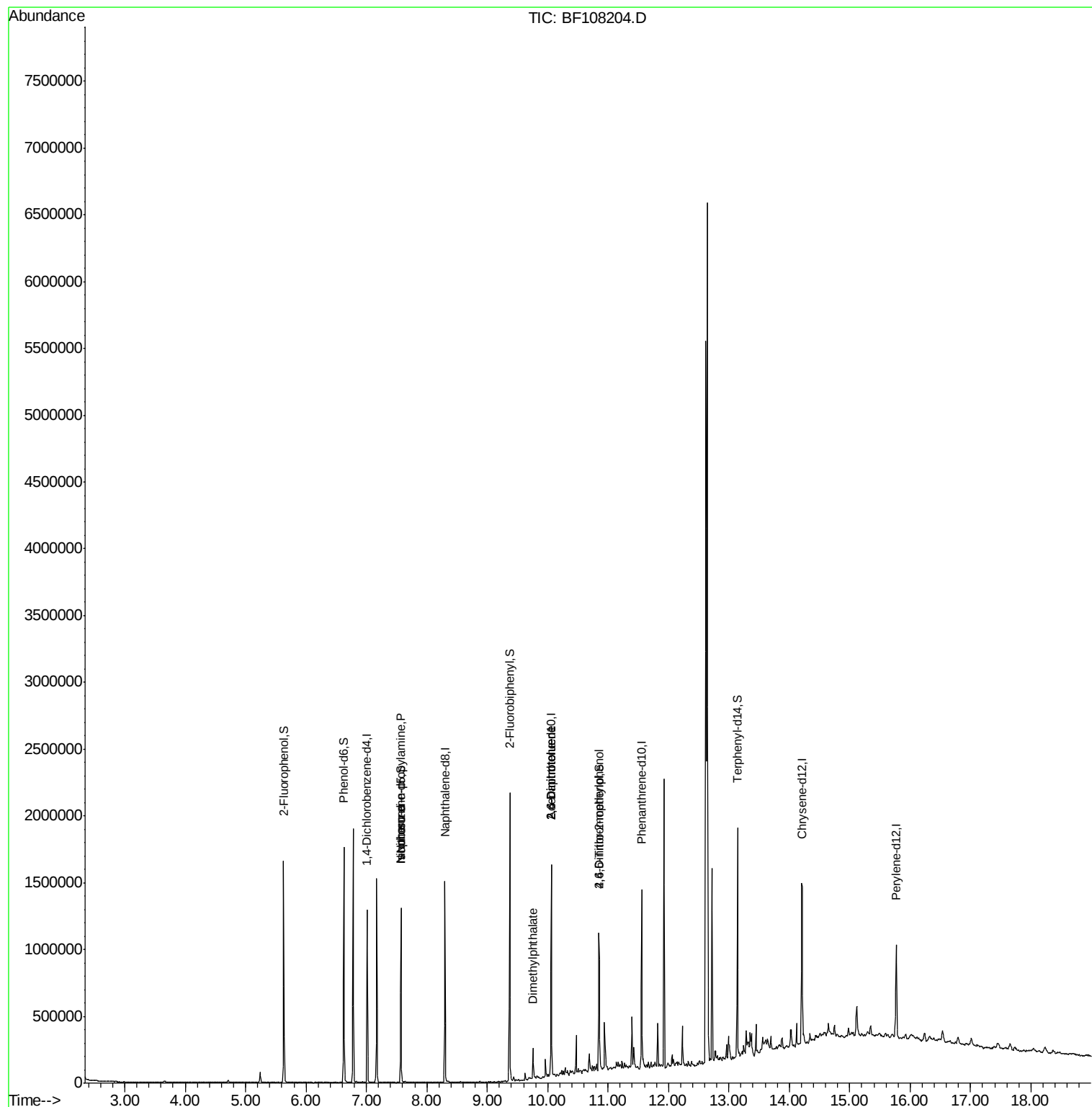
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	177854	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	647902	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	291732	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	475598	20.00	ng	0.00
75) Chrysene-d12	14.21	240	439242	20.00	ng	0.00
86) Perylene-d12	15.77	264	349011	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	416484	42.40	ng	0.00
7) Phenol-d6	6.63	99	564046	43.21	ng	0.00
23) Nitrobenzene-d5	7.57	82	365984	31.52	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	120183	41.30	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	668499	36.79	ng	0.00
78) Terphenyl-d14	13.14	244	558222	32.31	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	47469	5.377	ng	# 86
25) Isophorone	7.57	82	363681	16.433	ng	# 64
49) Dimethylphthalate	9.76	163	66611	3.278	ng	# 99
50) 2,6-Dinitrotoluene	10.06	165	39553	9.303	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	39553	7.227	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	131	5.424	ng	# 1

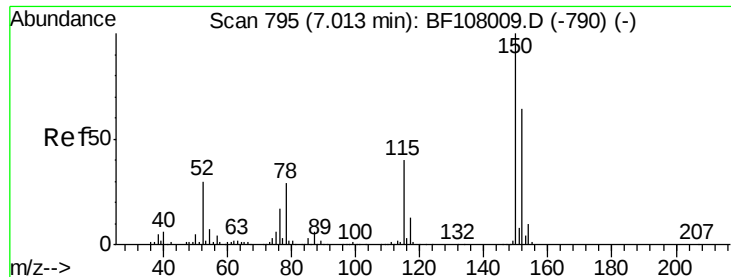
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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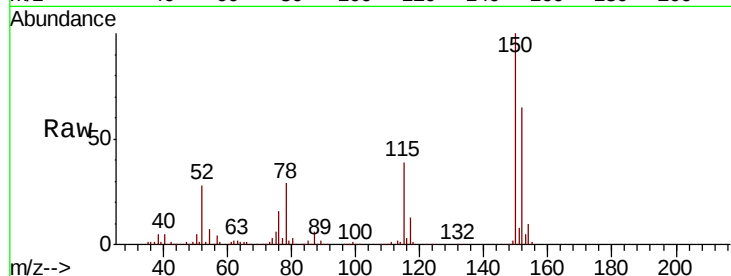


#1

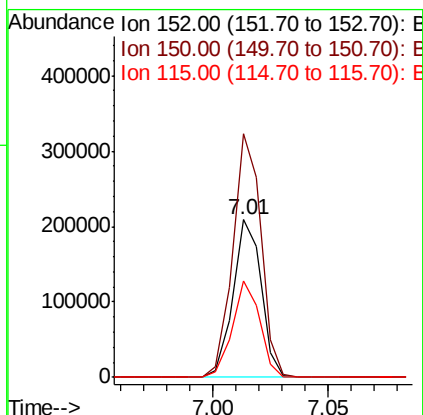
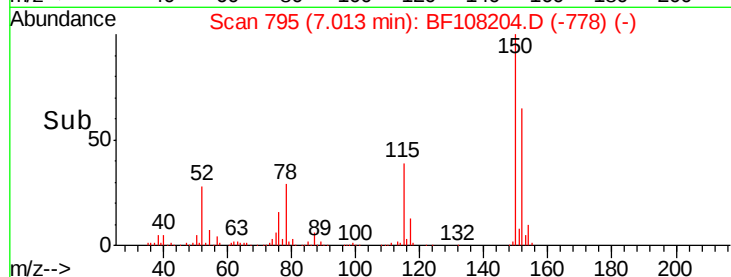
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108204.D
Acq: 16 Aug 2018 19:27

Instrument :
BNA_F
ClientSampleId :
SU-01-081518-A

Tgt Ion:152 Resp: 177854
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 60.9 50.1 75.1



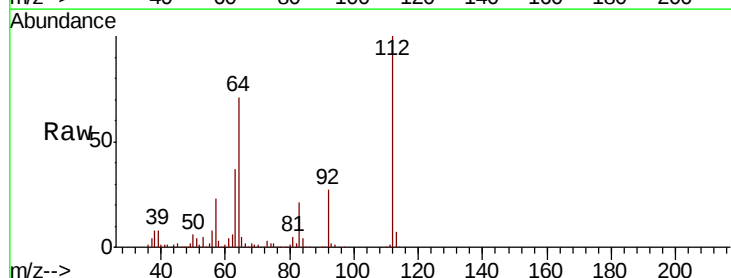
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



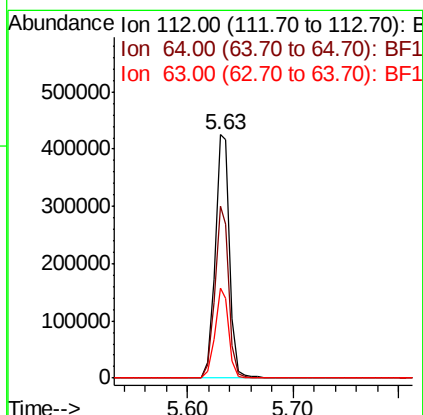
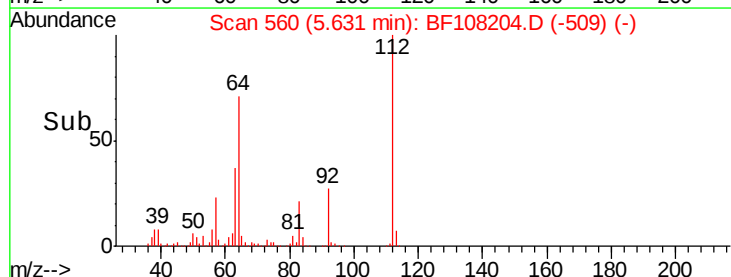
#5

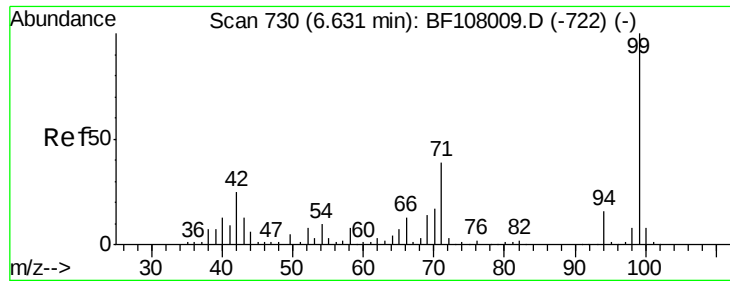
2-Fluorophenol
Concen: 42.396 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108204.D
Acq: 16 Aug 2018 19:27

Tgt Ion:112 Resp: 416484
Ion Ratio Lower Upper
112 100
64 70.8 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: 43.207 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108204.D

Acq: 16 Aug 2018 19:27

Instrument :

BNA_F

ClientSampleId :

SU-01-081518-A

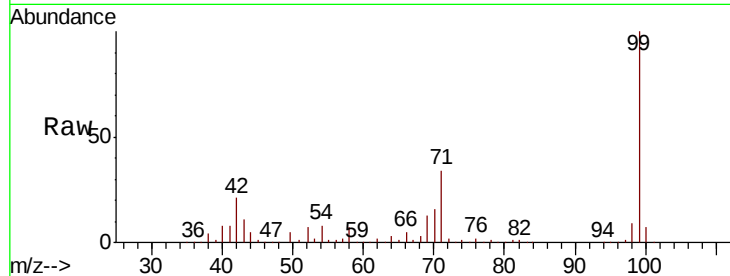
Tgt Ion: 99 Resp: 564046

Ion Ratio Lower Upper

99 100

42 21.2 14.5 21.7

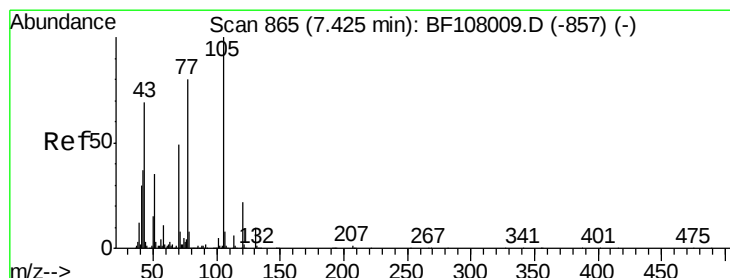
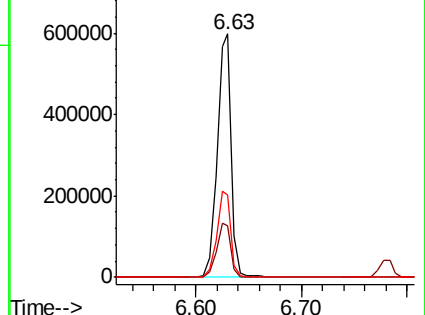
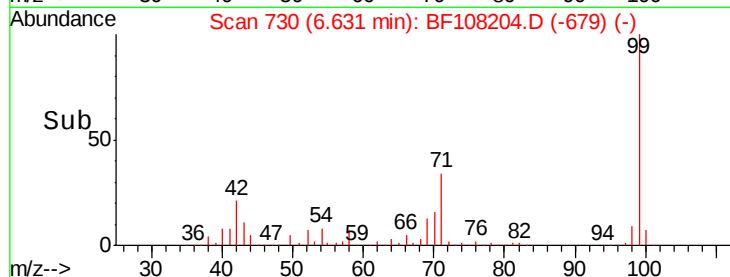
71 33.9 25.4 38.0



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: 5.377 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF108204.D

Acq: 16 Aug 2018 19:27

Tgt Ion: 70 Resp: 47469

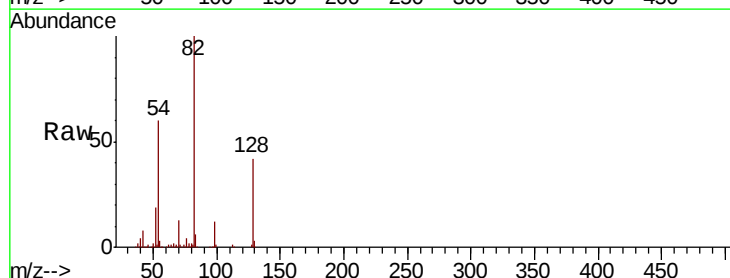
Ion Ratio Lower Upper

70 100

42 56.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

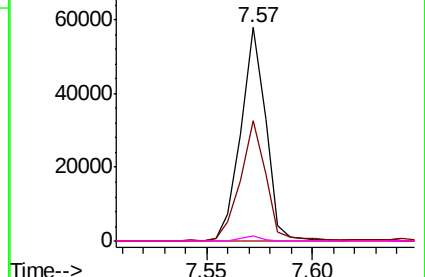
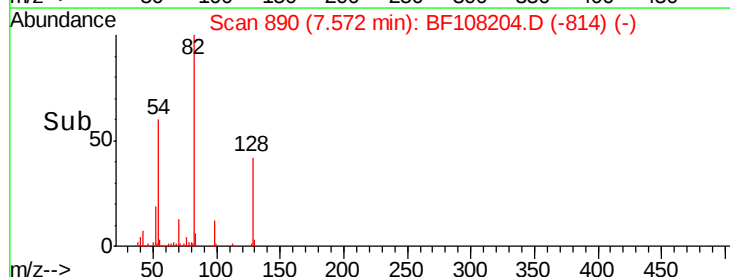


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

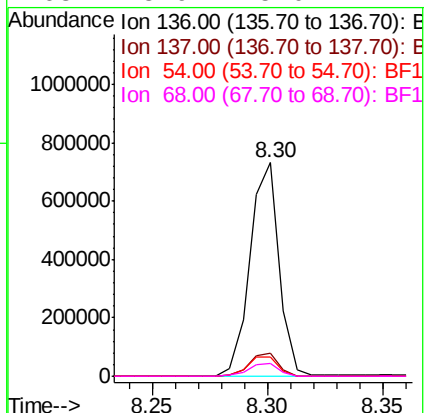
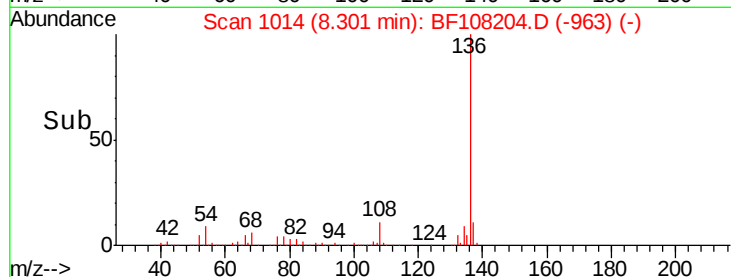
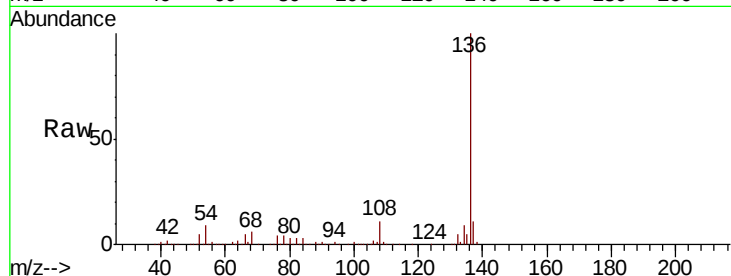




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108204.D
Acq: 16 Aug 2018 19:27

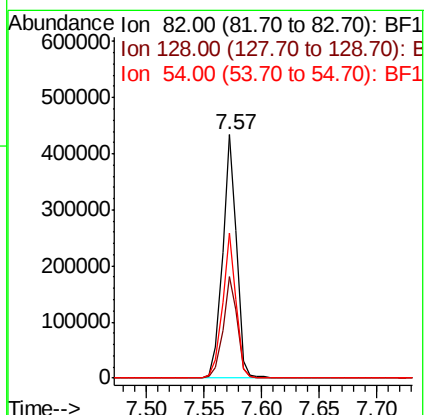
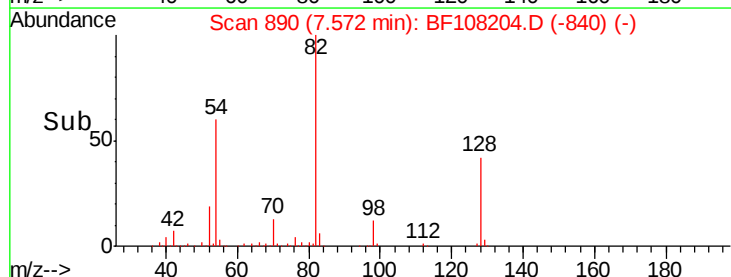
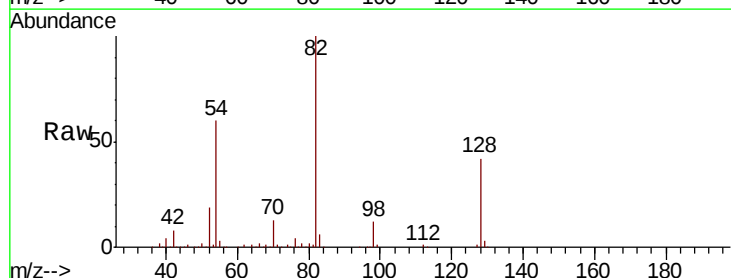
Instrument :
BNA_F
ClientSampleId :
SU-01-081518-A

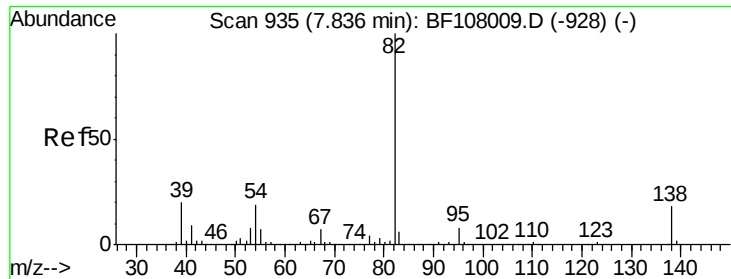
Tgt Ion:	136	Resp:	647902
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.2	6.6	9.8
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 31.521 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108204.D
Acq: 16 Aug 2018 19:27

Tgt Ion:	82	Resp:	365984
Ion	Ratio	Lower	Upper
82	100		
128	41.6	36.1	54.1
54	59.7	41.4	62.2





#25

Isophorone

Concen: 16.433 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108204.D

Acq: 16 Aug 2018 19:27

Instrument :

BNA_F

ClientSampleId :

SU-01-081518-A

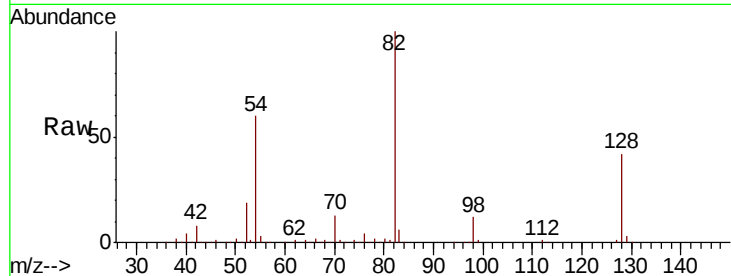
Tgt Ion: 82 Resp: 363681

Ion Ratio Lower Upper

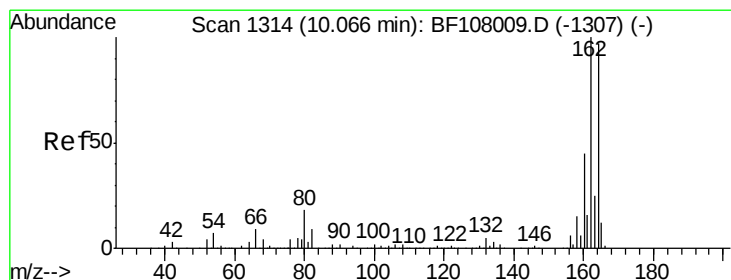
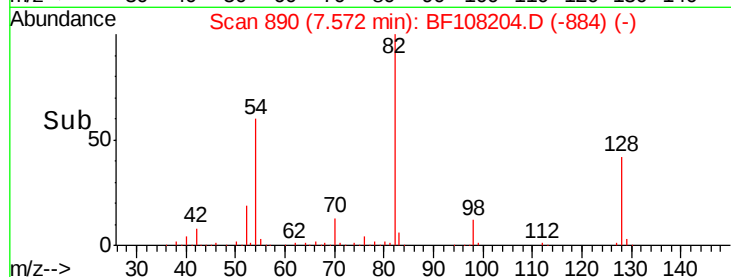
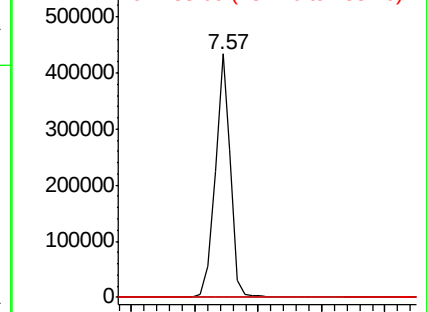
82 100

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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108204.D

Acq: 16 Aug 2018 19:27

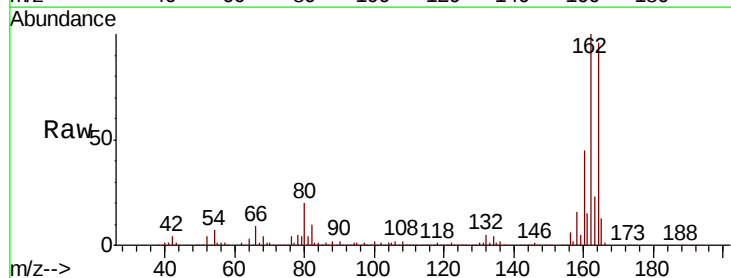
Tgt Ion: 164 Resp: 291732

Ion Ratio Lower Upper

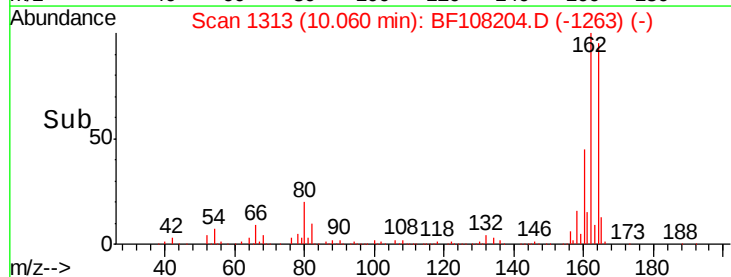
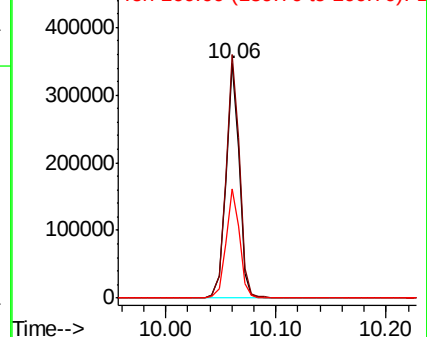
164 100

162 103.9 86.1 129.1

160 46.5 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

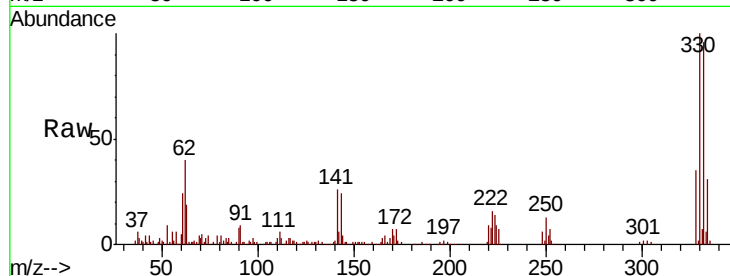




#41
 2,4,6-Tribromophenol
 Concen: 41.301 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108204.D
 Acq: 16 Aug 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-081518-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	33.0	29.9	44.9

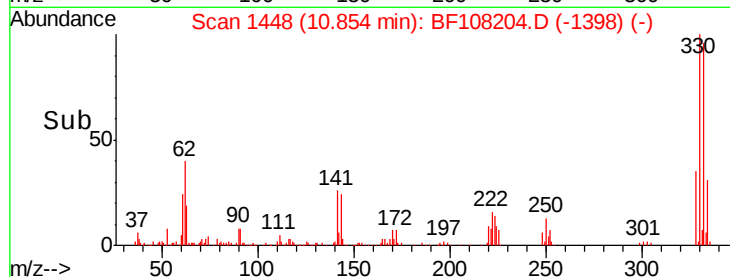
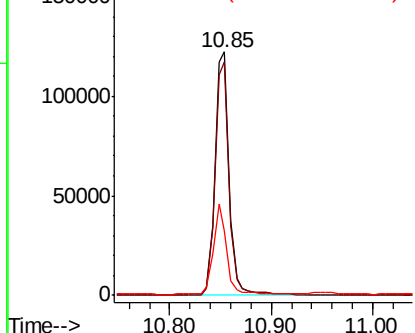


Abundance

Ion 329.80 (329.50 to 330.50): E

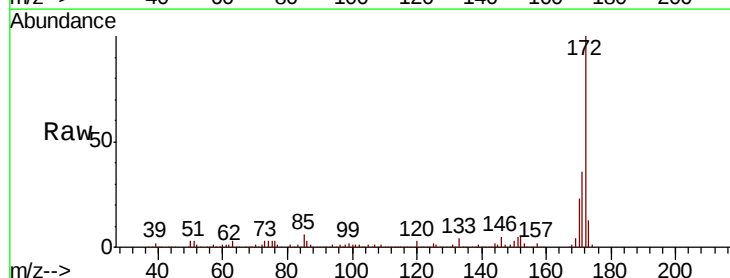
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 36.789 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108204.D
 Acq: 16 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.3	19.6	29.4

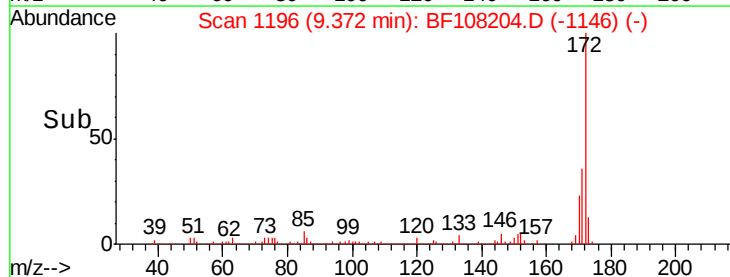
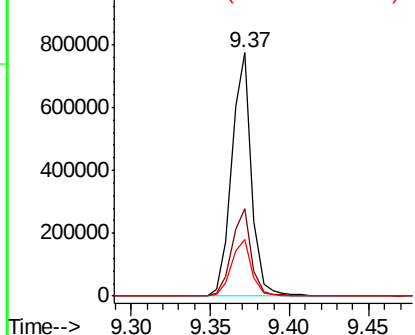


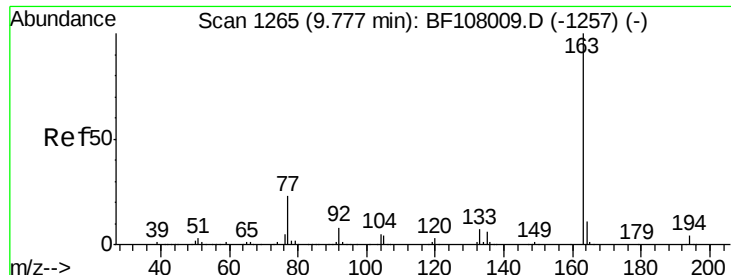
Abundance

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

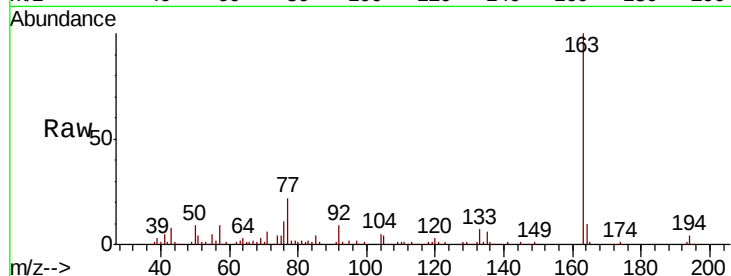




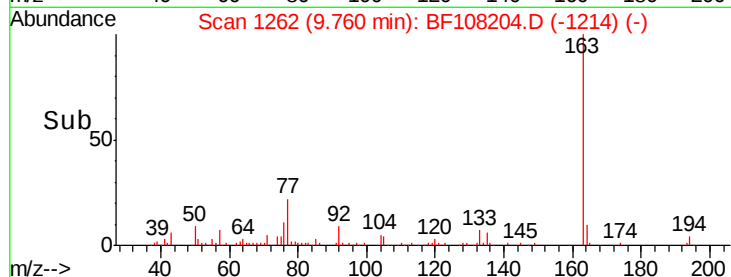
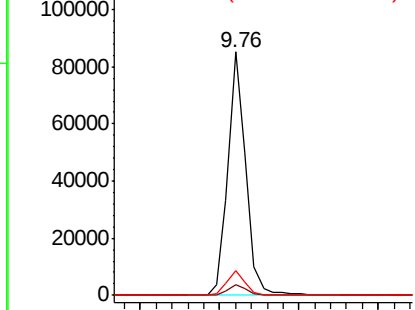
#49
Dimethylphthalate
Concen: 3.278 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108204.D
Acq: 16 Aug 2018 19:27

Instrument :
BNA_F
ClientSampleId :
SU-01-081518-A

Tgt Ion:163 Resp: 66611
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.0 8.2 12.2

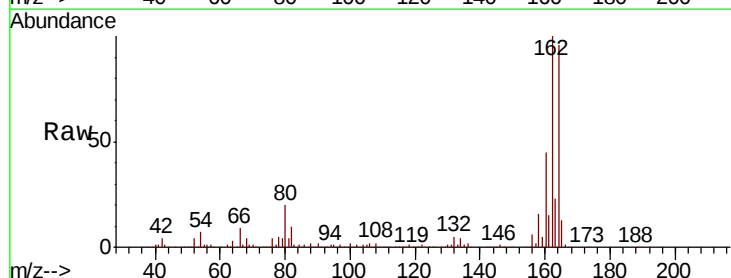


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

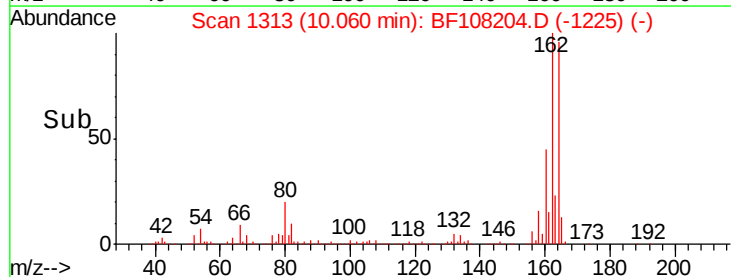
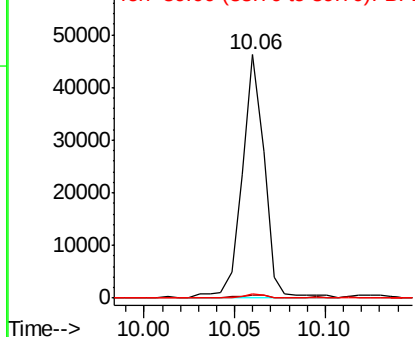


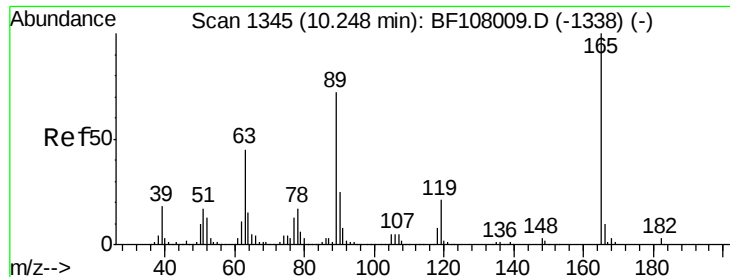
#50
2,6-Dinitrotoluene
Concen: 9.303 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108204.D
Acq: 16 Aug 2018 19:27

Tgt Ion:165 Resp: 39553
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 2.0 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

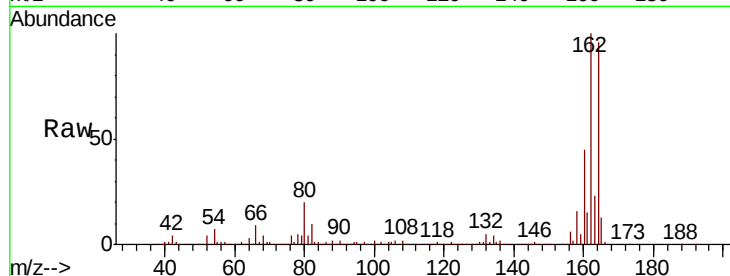




#56
2,4-Dinitrotoluene
Concen: 7.227 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108204.D
Acq: 16 Aug 2018 19:27

Instrument :
BNA_F
ClientSampleId :
SU-01-081518-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#

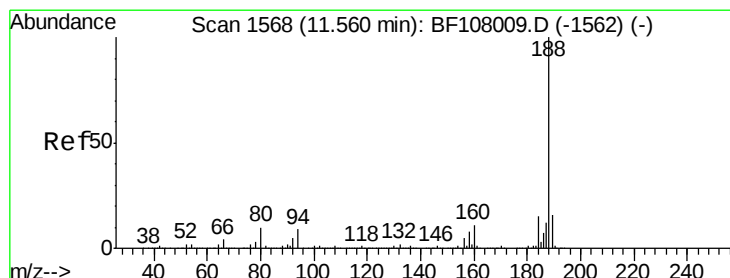
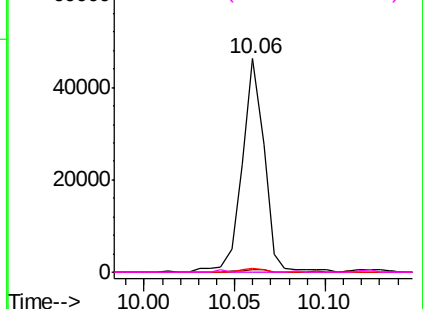
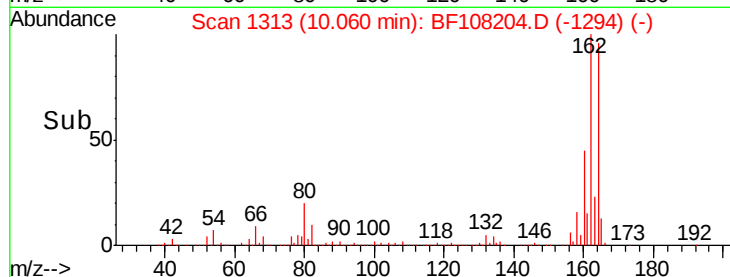


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

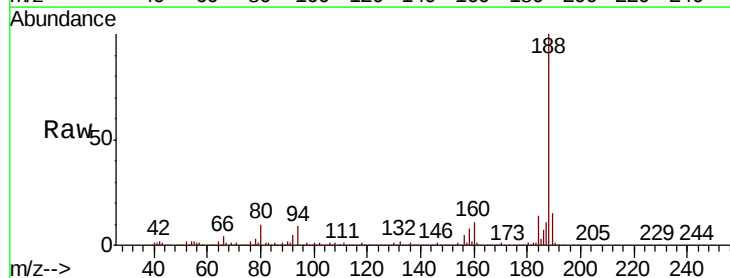
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108204.D
Acq: 16 Aug 2018 19:27

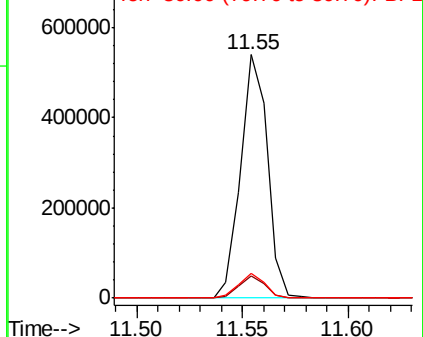
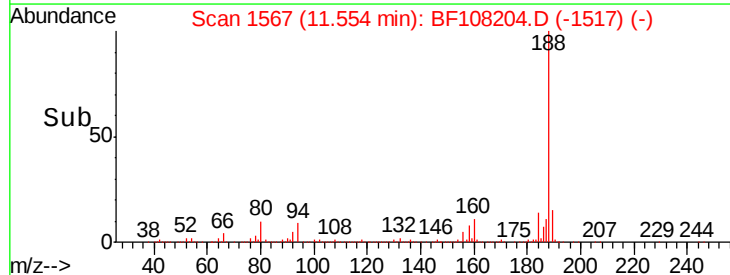
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.4	9.2	13.8



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

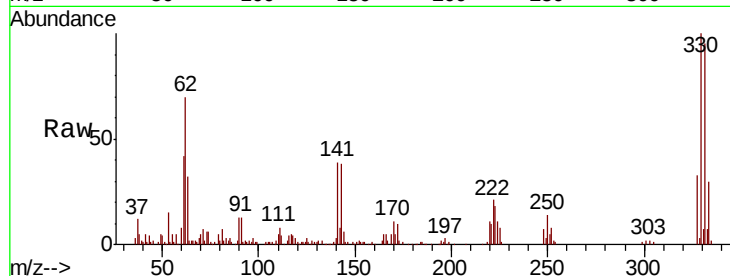




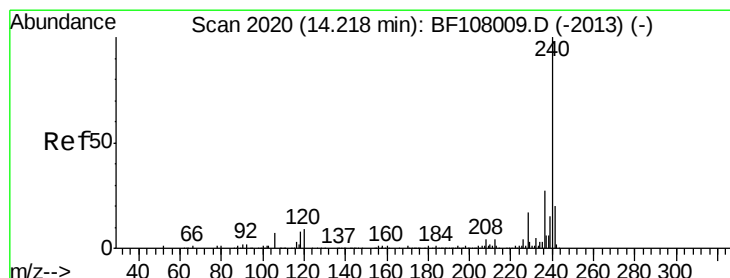
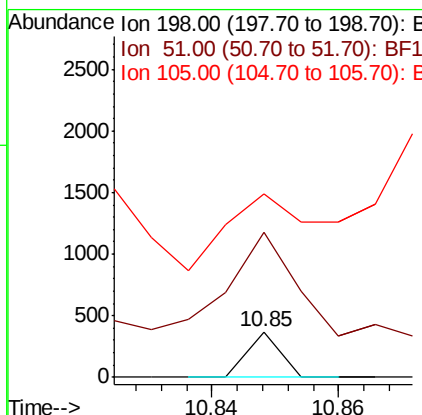
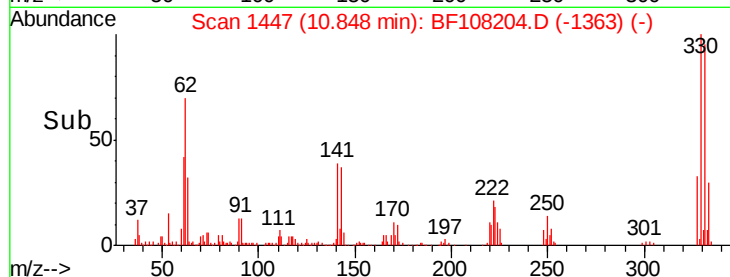
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.424 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. 0.20 min
 Lab File: BF108204.D
 Acq: 16 Aug 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-081518-A

Tgt Ion:198 Resp: 131
 Ion Ratio Lower Upper
 198 100
 51 319.2 37.7 77.7#
 105 403.0 36.3 76.3#

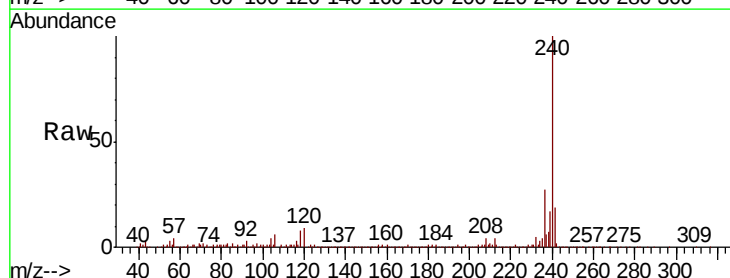


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

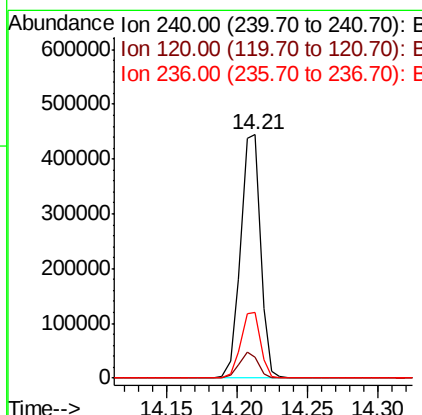
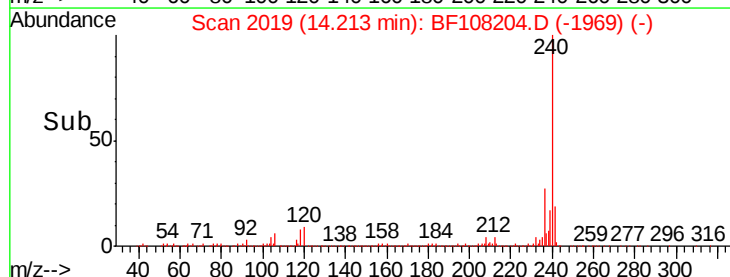


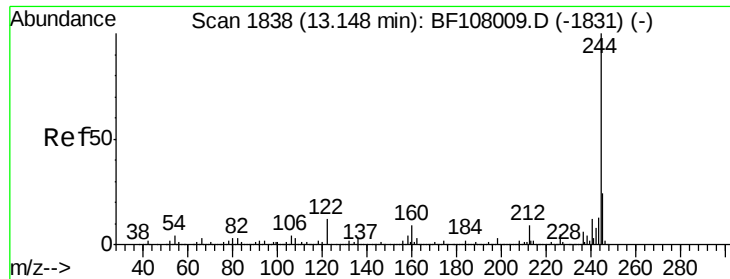
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF108204.D
 Acq: 16 Aug 2018 19:27

Tgt Ion:240 Resp: 439242
 Ion Ratio Lower Upper
 240 100
 120 8.7 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





#78

Terphenyl-d14

Concen: 32.313 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108204.D

Acq: 16 Aug 2018 19:27

Instrument :

BNA_F

ClientSampleId :

SU-01-081518-A

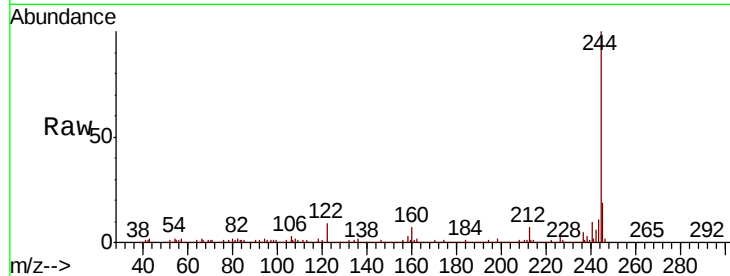
Tgt Ion:244 Resp: 558222

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

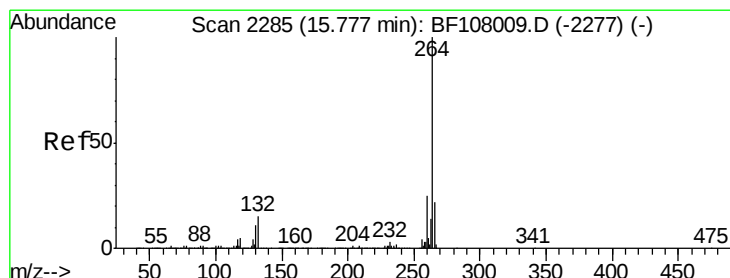
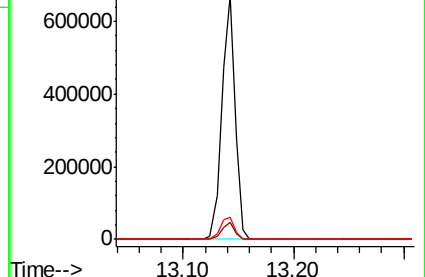
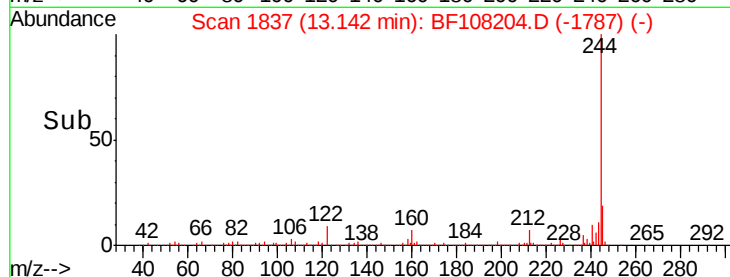
122 9.1 11.0 16.4#



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: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108204.D

Acq: 16 Aug 2018 19:27

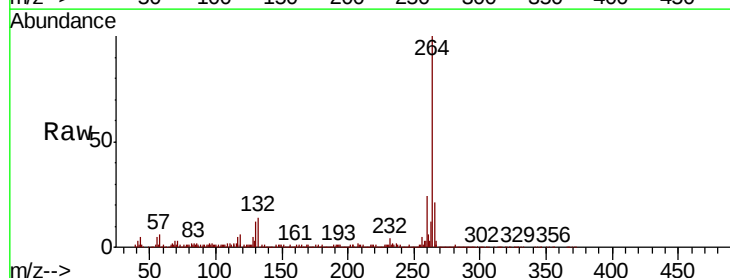
Tgt Ion:264 Resp: 349011

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.4 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

