

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108330.D
 Acq On : 21 Aug 2018 11:17
 Operator : JU/SJ
 Sample : J4500-24RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROCK

Quant Time: Aug 21 12:05:51 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

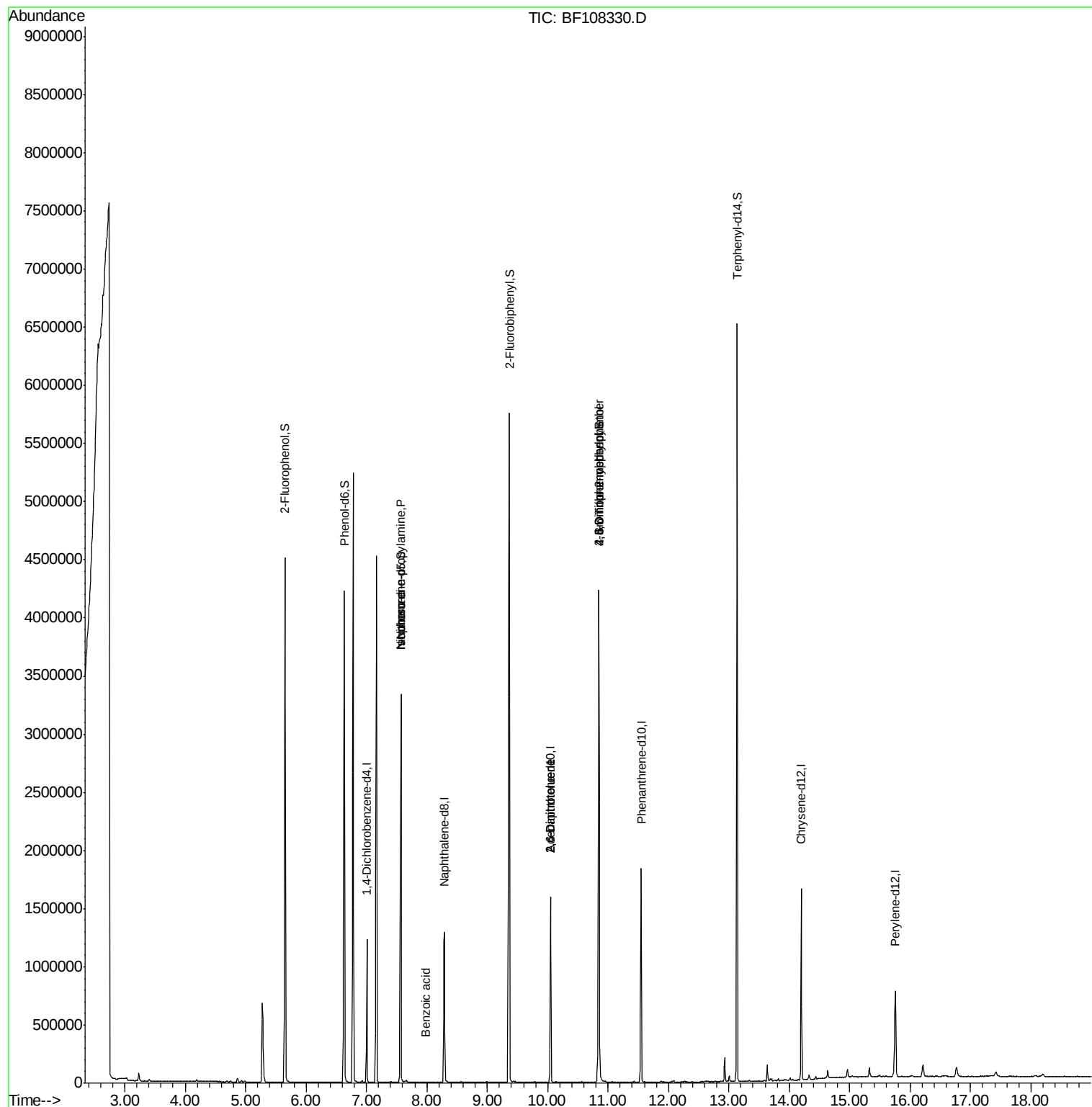
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	175050	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	649268	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	332775	20.00	ng	-0.02
63) Phenanthrene-d10	11.55	188	699998	20.00	ng	-0.01
75) Chrysene-d12	14.20	240	539948	20.00	ng	-0.02
86) Perylene-d12	15.75	264	371271	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1269592	131.31	ng	0.02
7) Phenol-d6	6.64	99	1505510	117.17	ng	0.00
23) Nitrobenzene-d5	7.57	82	1253282	107.71	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	598500	180.31	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2169773	104.68	ng	-0.01
78) Terphenyl-d14	13.14	244	2602263	122.54	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	170335	19.604	ng	# 82
25) Isophorone	7.57	82	1248187	56.282	ng	# 64
32) Benzoic acid	7.98	122	911	6.114	ng	# 88
50) 2,6-Dinitrotoluene	10.05	165	42169	8.695	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	42169	6.755	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	1357	5.817	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	38766	5.096	ng	# 1

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

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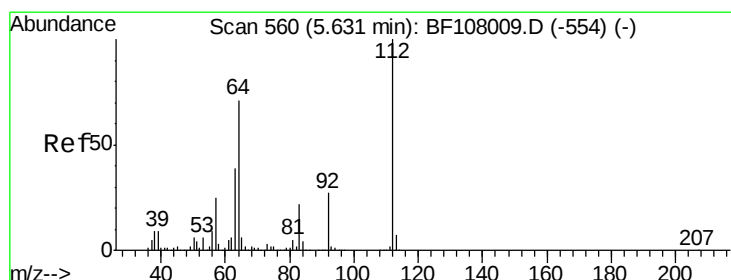
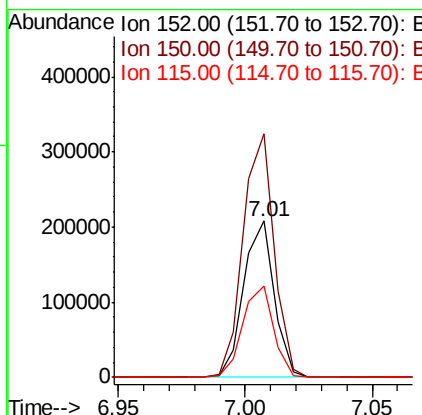
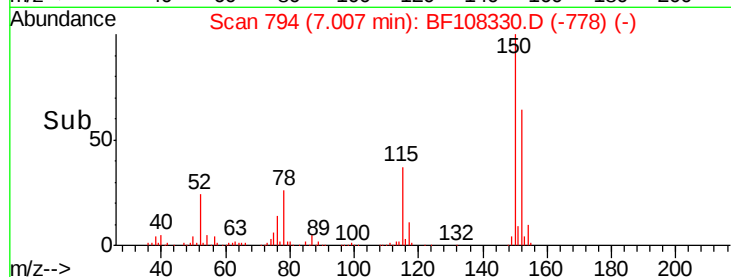
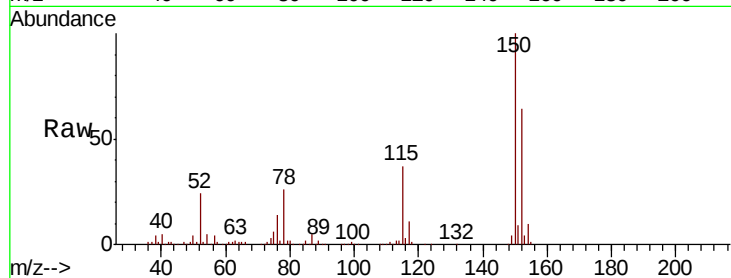


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108330.D
Acq: 21 Aug 2018 11:17

Instrument :
BNA_F
ClientSampleId :
ROCK

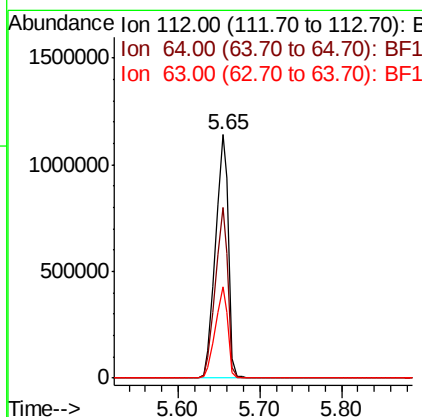
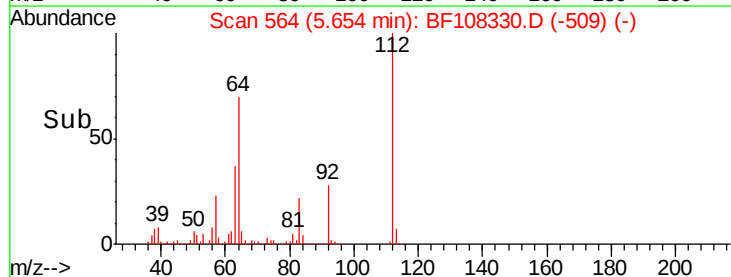
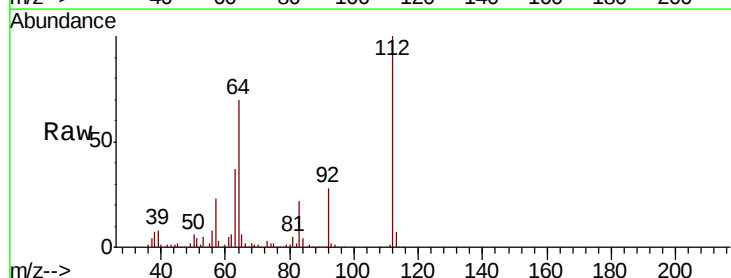
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	58.2	50.1	75.1



#5

2-Fluorophenol
Concen: 131.308 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108330.D
Acq: 21 Aug 2018 11:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	47.9	71.9
63	37.4	23.7	35.5





#7

Phenol-d6

Concen: 117.173 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108330.D

Acq: 21 Aug 2018 11:17

Instrument :

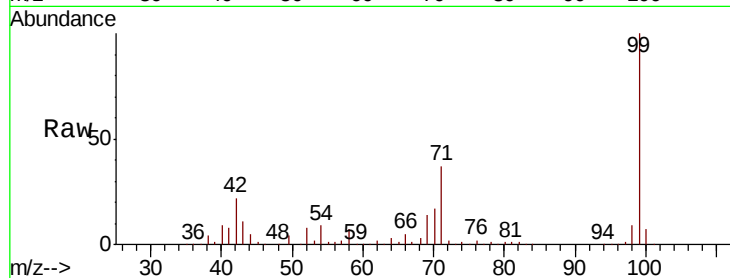
BNA_F

ClientSampleId :

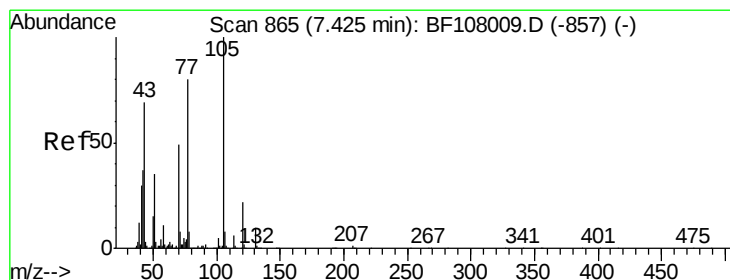
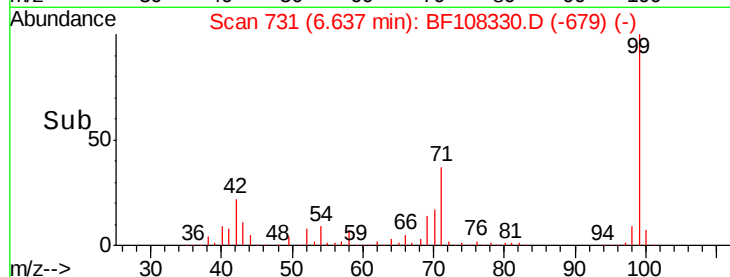
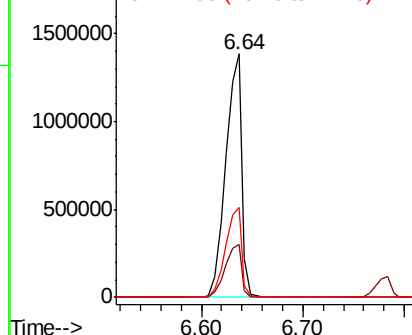
ROCK

Tot Ion: 99 Resp: 1505510

Ion	Ratio	Lower	Upper
99	100		
42	21.9	14.5	21.7#
71	37.0	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: 19.604 ng

RT: 7.57 min Scan# 890

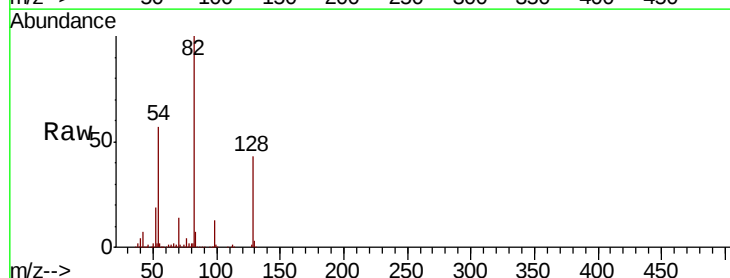
Delta R.T. 0.15 min

Lab File: BF108330.D

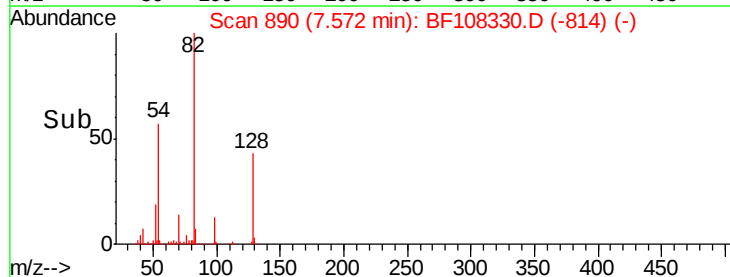
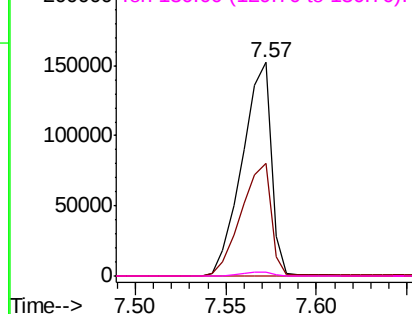
Acq: 21 Aug 2018 11:17

Tgt Ion: 70 Resp: 170335

Ion	Ratio	Lower	Upper
70	100		
42	52.6	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

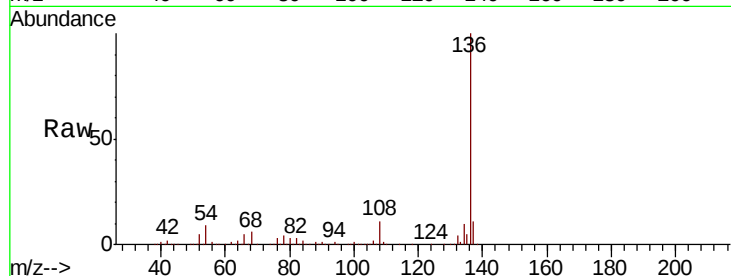




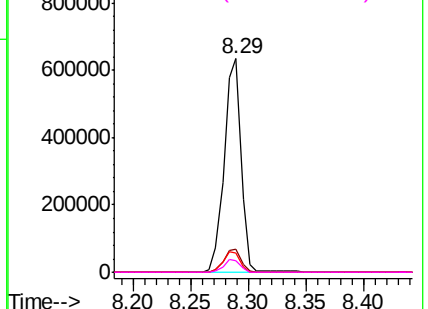
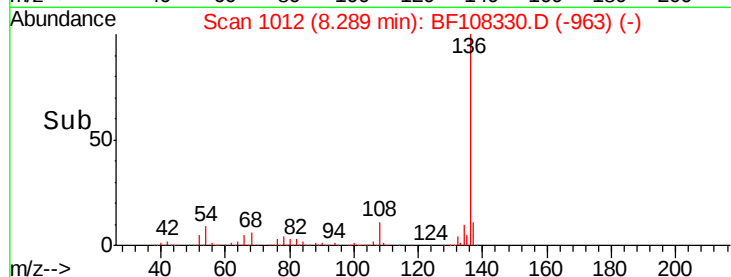
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF108330.D
Acq: 21 Aug 2018 11:17

Instrument :
BNA_F
ClientSampleId :
ROCK

Tot Ion:136	Resp: 649268
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

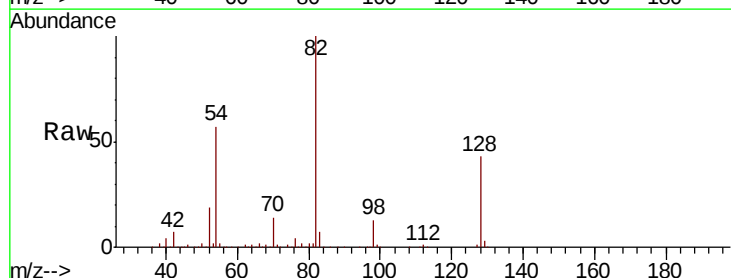


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

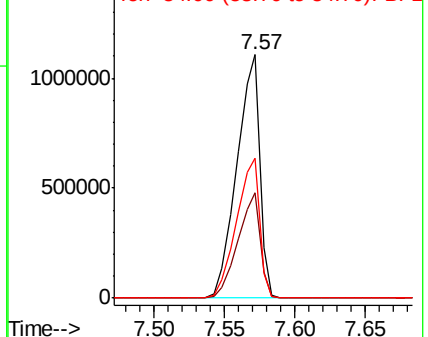
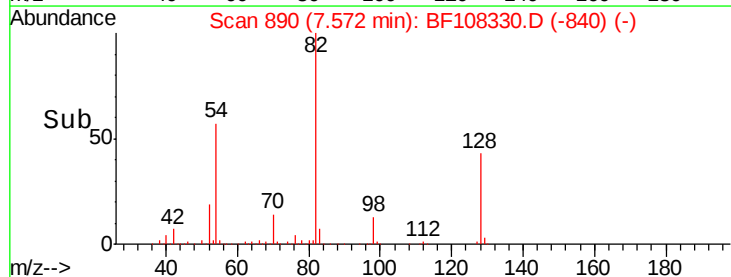


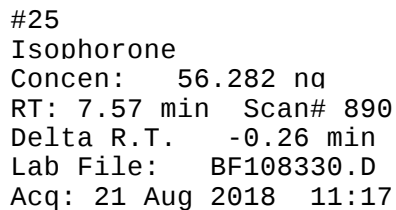
#23
Nitrobenzene-d5
Concen: 107.714 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108330.D
Acq: 21 Aug 2018 11:17

Tgt Ion: 82	Ratio	Resp: 1253282	
82	100	Lower	Upper
128	43.5	36.1	54.1
54	57.2	41.4	62.2

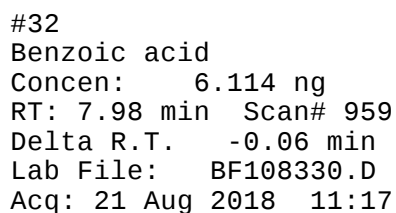
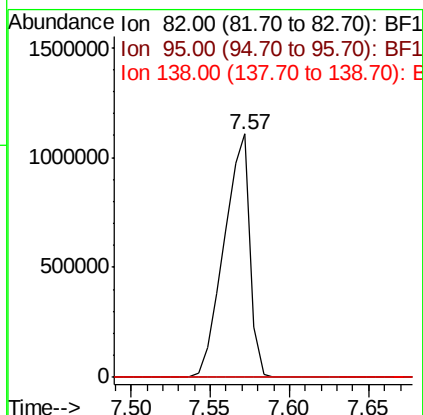
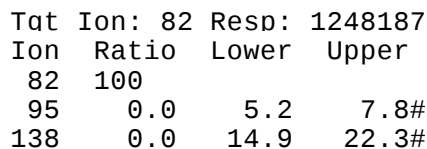


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

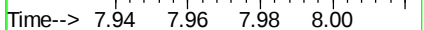
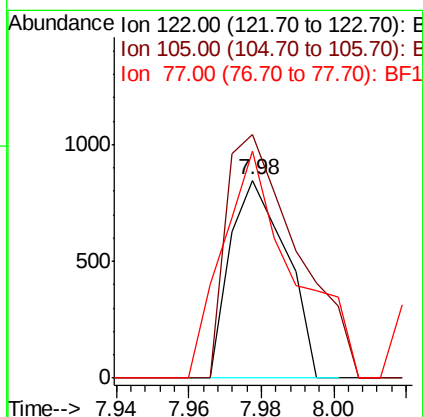


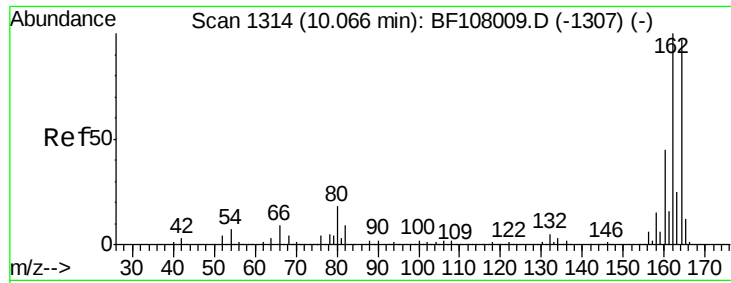


Instrument :
BNA_F
ClientSampleId :
ROCK



Tgt	Ion:122	Resp:	911
Ion	Ratio	Lower	Upper
122	100		
105	123.0	101.1	141.1
77	114.7	70.7	110.7#

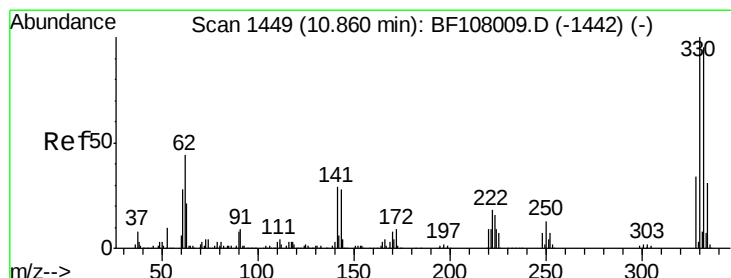
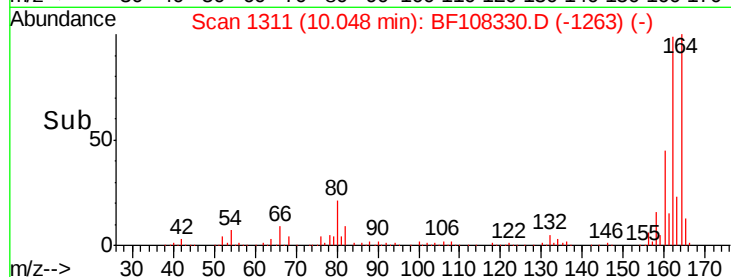
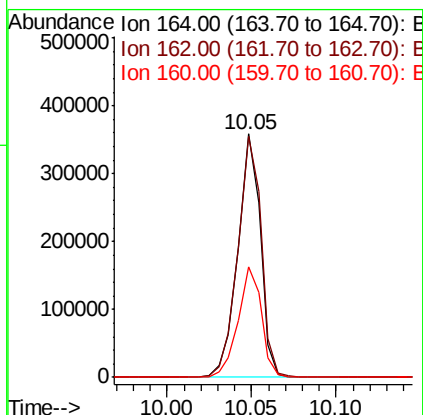
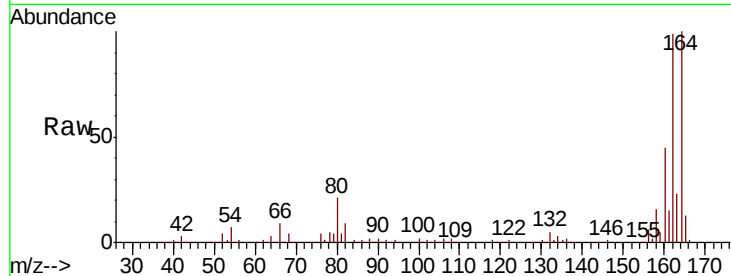




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108330.D
 Acq: 21 Aug 2018 11:17

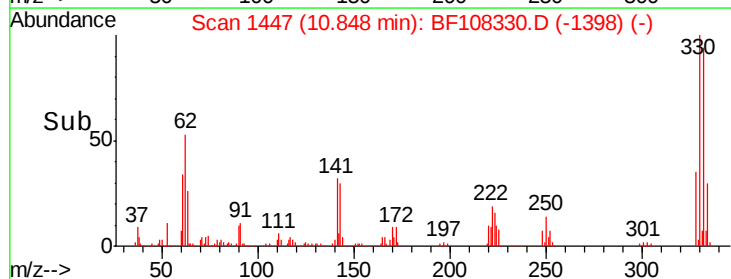
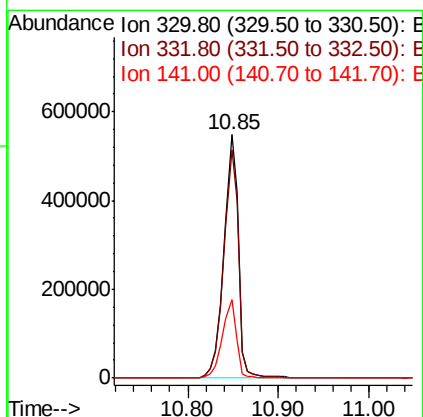
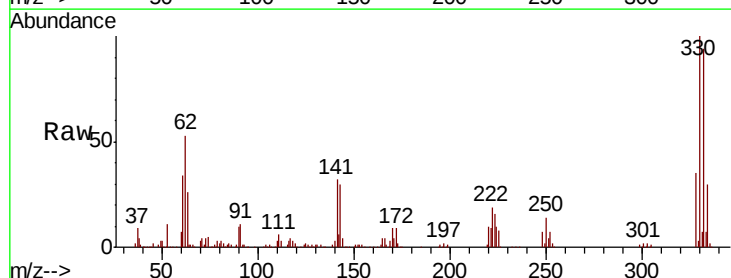
Instrument :
 BNA_F
 ClientSampleId :
 ROCK

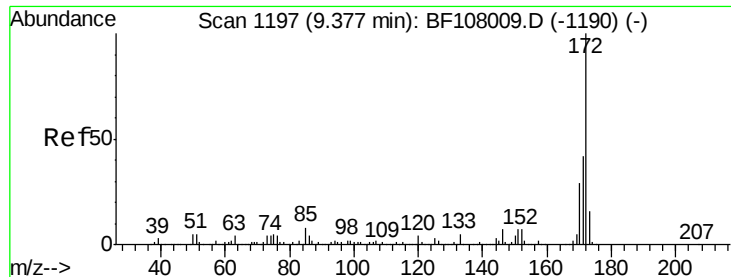
Tot Ion:164 Resp: 332775
 Ion Ratio Lower Upper
 164 100
 162 98.8 86.1 129.1
 160 45.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 180.307 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF108330.D
 Acq: 21 Aug 2018 11:17

Tgt Ion:330 Resp: 598500
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 31.5 29.9 44.9



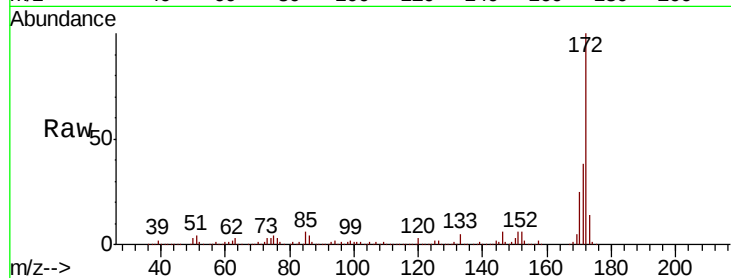


#44
 2-Fluorobiphenyl
 Concen: 104.680 ng
 RT: 9.37 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF108330.D
 Acq: 21 Aug 2018 11:17

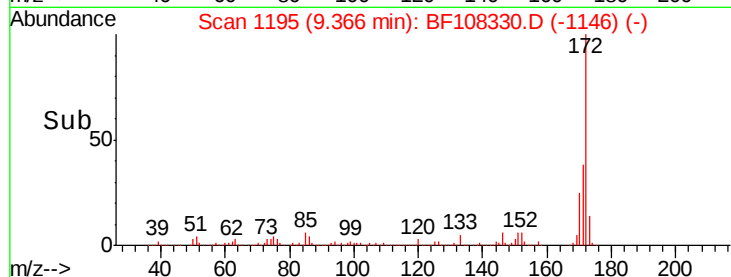
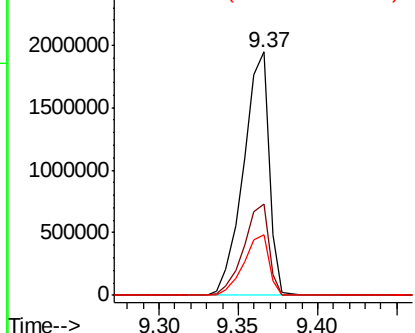
Instrument :
 BNA_F
 ClientSampleId :
 ROCK

Tot Ion:172 Resp: 2169773

Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.7	44.5
170	25.1	19.6	29.4



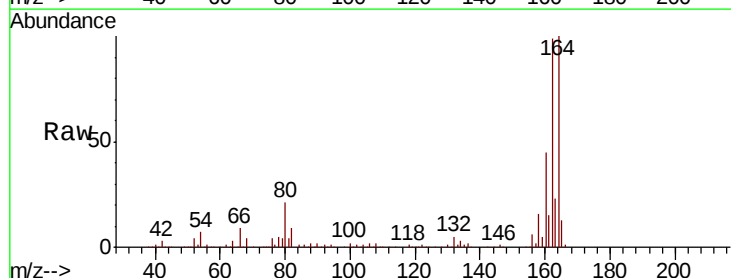
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



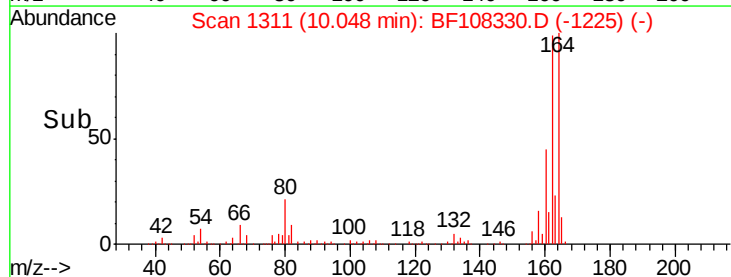
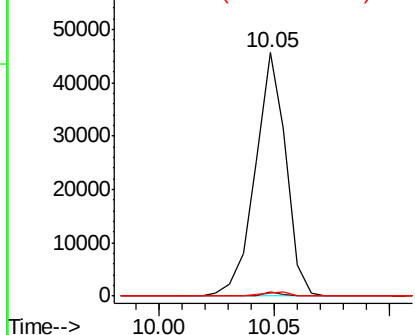
#50
 2,6-Dinitrotoluene
 Concen: 8.695 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108330.D
 Acq: 21 Aug 2018 11:17

Tgt Ion:165 Resp: 42169

Ion	Ratio	Lower	Upper
165	100		
63	1.6	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

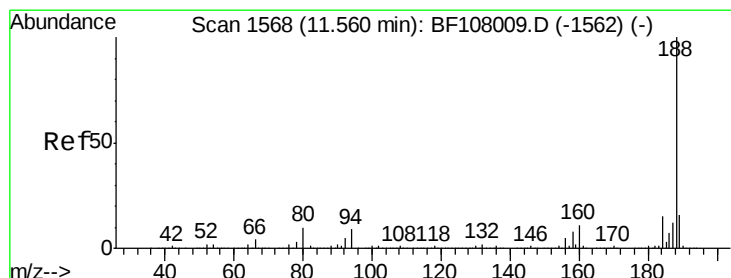
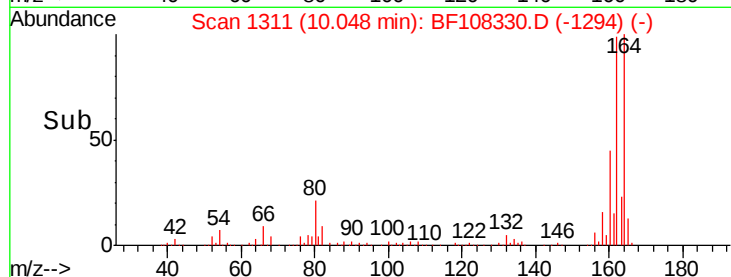
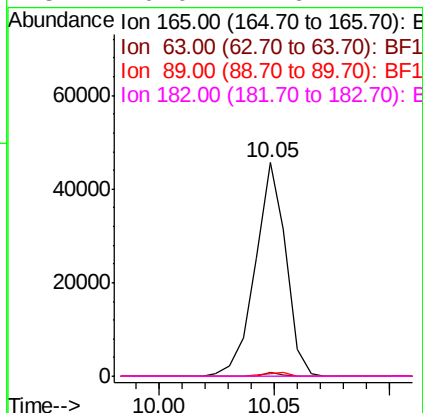
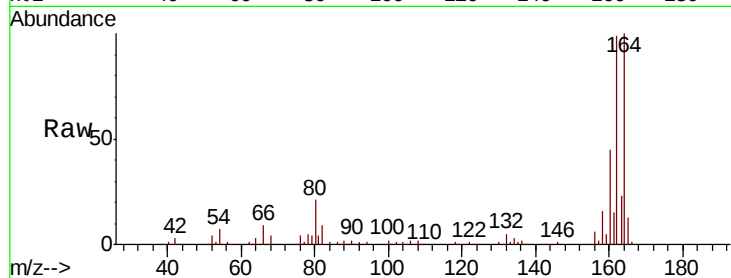




#56
 2,4-Dinitrotoluene
 Concen: 6.755 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108330.D
 Acq: 21 Aug 2018 11:17

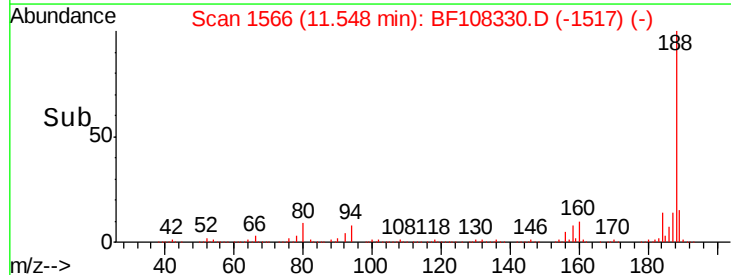
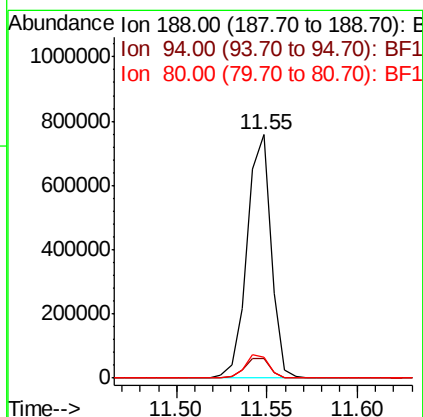
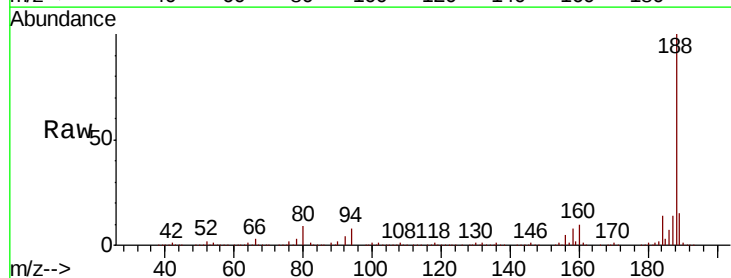
Instrument :
 BNA_F
 ClientSampleId :
 ROCK

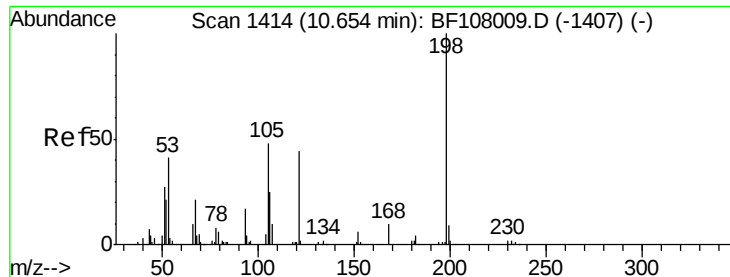
Tot Ion:165	Resp:	42169
Ion Ratio	Lower	Upper
165	100	
63	1.6	36.4 54.6#
89	1.3	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF108330.D
 Acq: 21 Aug 2018 11:17

Tgt Ion:188	Resp:	699998
Ion Ratio	Lower	Upper
188	100	
94	8.3	8.5 12.7#
80	8.7	9.2 13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.817 ng

RT: 10.84 min Scan# 1446

Delta R.T. 0.19 min

Lab File: BF108330.D

Acq: 21 Aug 2018 11:17

Instrument :

BNA_F

ClientSampled :

ROCK

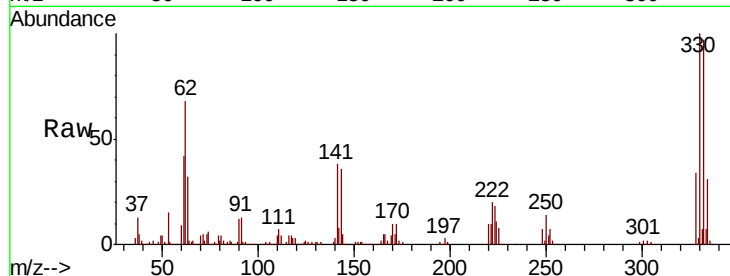
Tot Ion:198 Resp: 1357

Ion Ratio Lower Upper

198 100

51 138.6 37.7 77.7#

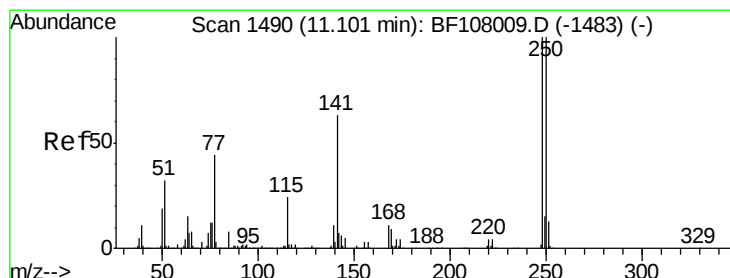
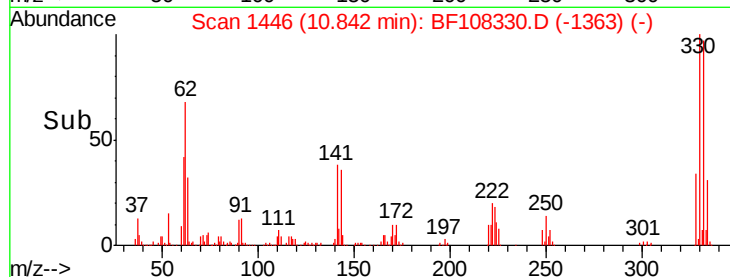
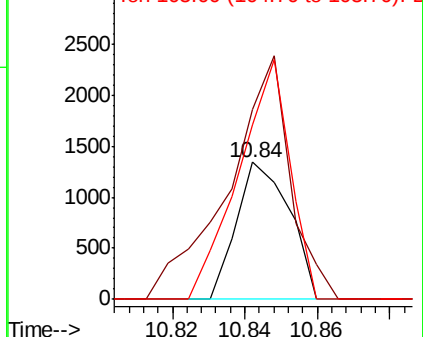
105 127.5 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 5.096 ng

RT: 10.85 min Scan# 1447

Delta R.T. -0.25 min

Lab File: BF108330.D

Acq: 21 Aug 2018 11:17

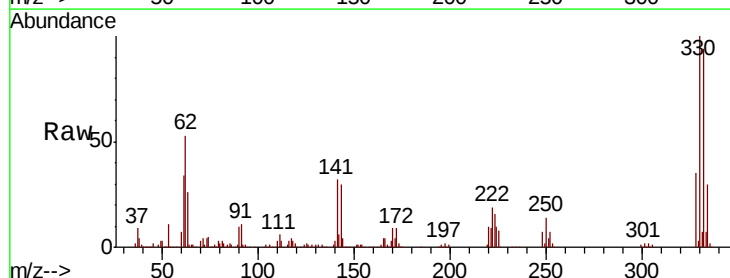
Tgt Ion:248 Resp: 38766

Ion Ratio Lower Upper

248 100

250 202.1 76.9 115.3#

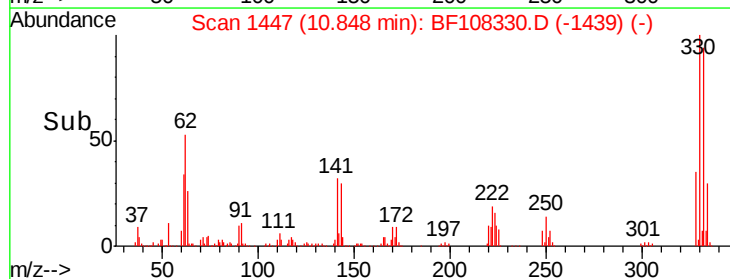
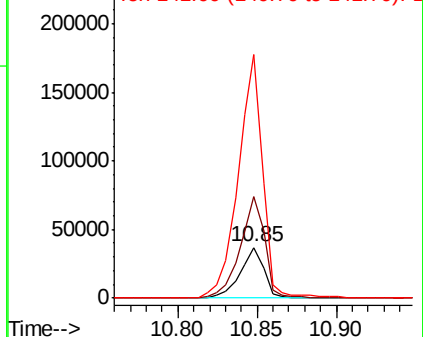
141 482.3 74.4 111.6#

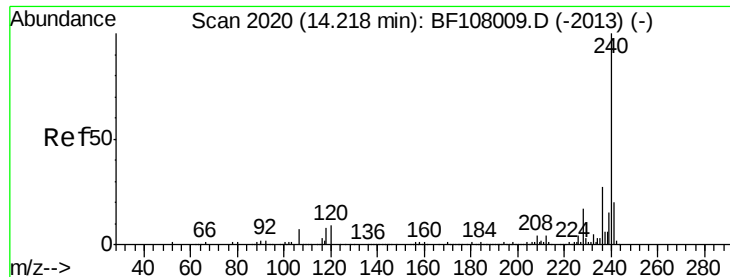


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF108330.D

Acq: 21 Aug 2018 11:17

Instrument :

BNA_F

ClientSampleId :

ROCK

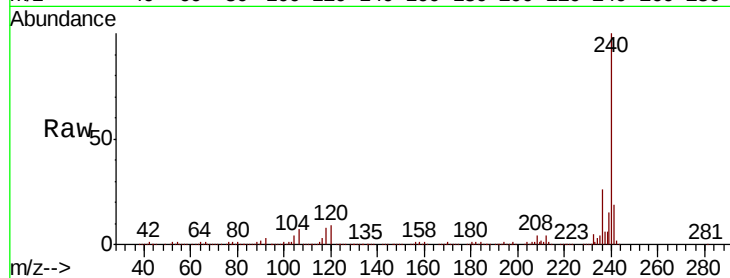
Tot Ion:240 Resp: 539948

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

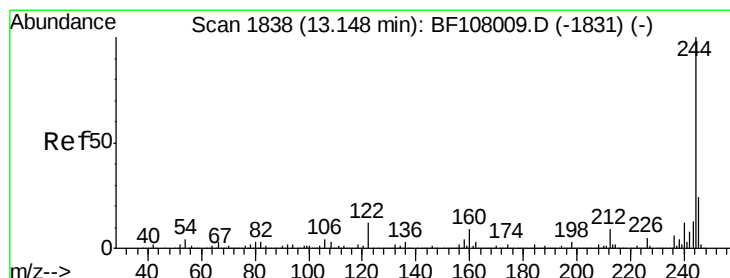
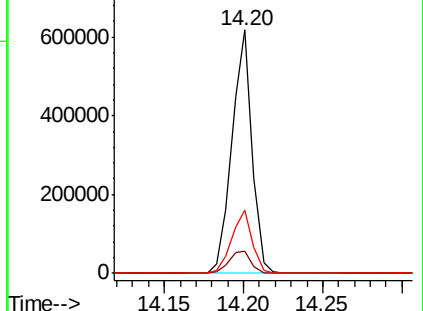
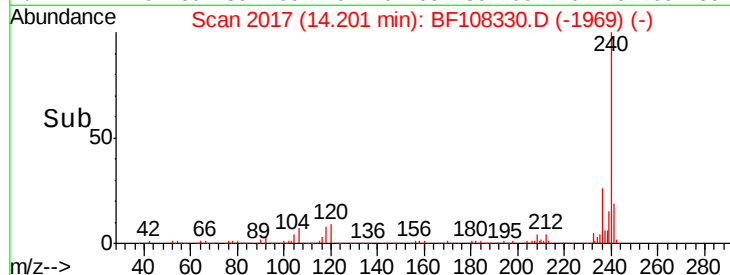
236 26.1 20.7 31.1



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: 122.538 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108330.D

Acq: 21 Aug 2018 11:17

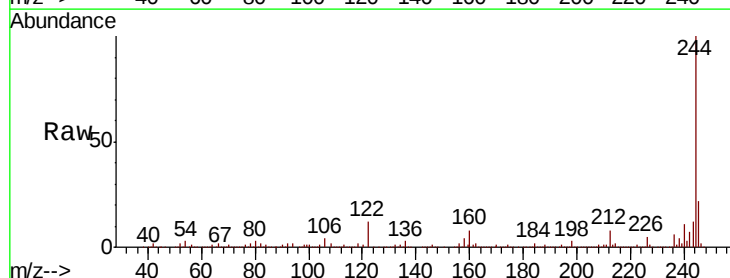
Tgt Ion:244 Resp: 2602263

Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.0#

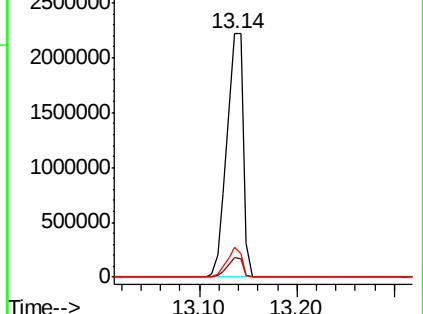
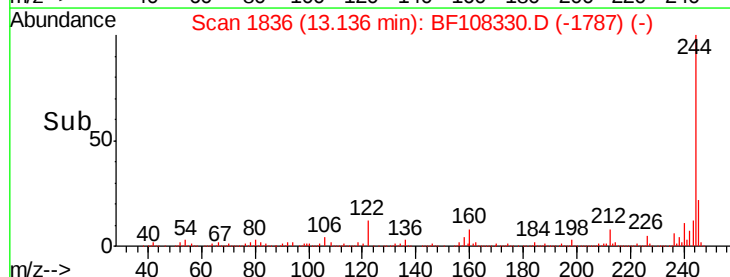
122 12.4 11.0 16.4

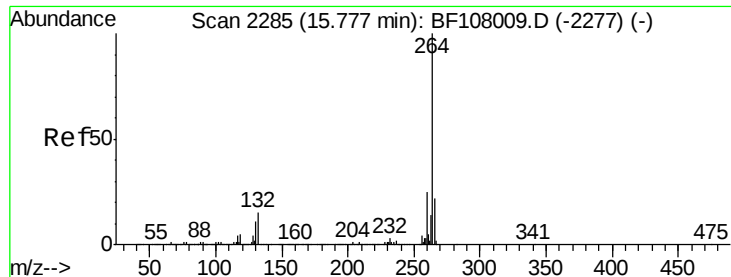


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108330.D
Acq: 21 Aug 2018 11:17

Instrument :
BNA_F
ClientSampleId :
ROCK

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	17.5	26.3

