

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF104994.D
 Acq On : 1 May 2018 19:53
 Operator : JU/SJ
 Sample : J2616-31
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-4

Quant Time: May 02 06:53:40 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

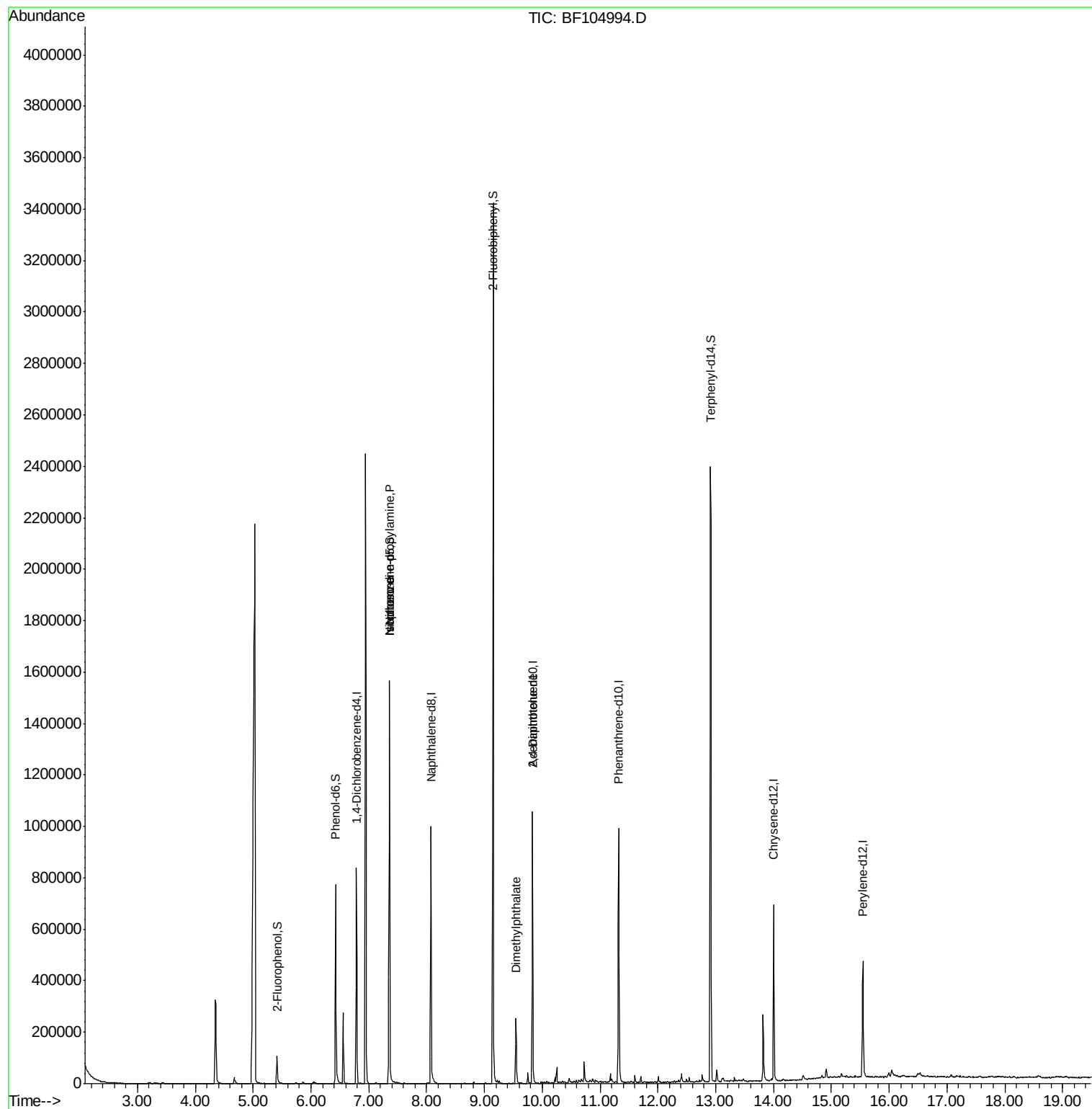
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	114974	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	481925	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	218519	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	352728	20.00	ng	0.00
75) Chrysene-d12	14.00	240	238616	20.00	ng	0.03
86) Perylene-d12	15.54	264	219677	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	43851	5.83	ng	0.00
7) Phenol-d6	6.43	99	325611	35.24	ng	0.00
23) Nitrobenzene-d5	7.36	82	607174	82.27	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	1703	0.75	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1096871	79.30	ng	0.00
78) Terphenyl-d14	12.91	244	878040	83.89	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	421	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	77901	12.904 ng	#	1
25) Isophorone	7.36	82	607169	38.904 ng	#	73
49) Dimethylphthalate	9.55	163	118792	6.894 ng	#	64
56) 2,4-Dinitrotoluene	9.83	165	27348	6.539 ng	#	99
76) Benzidine	12.91	184	11562	Below Cal		23
						97

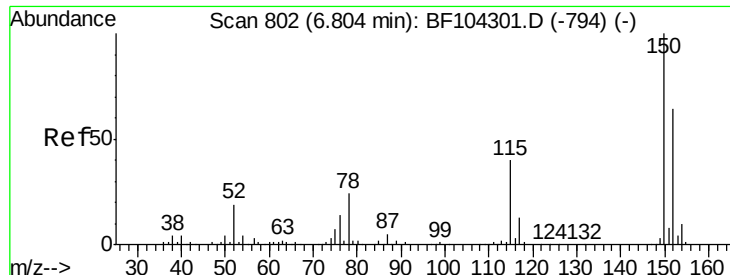
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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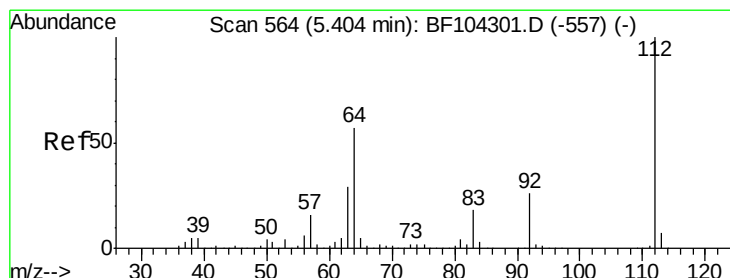
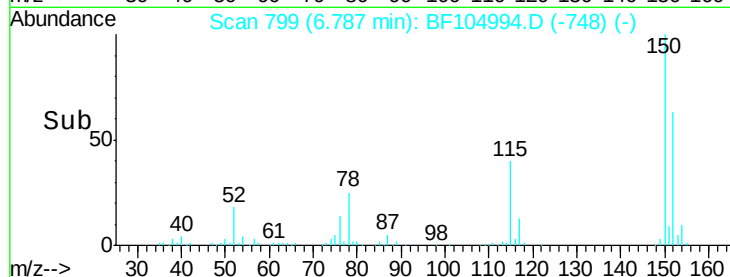
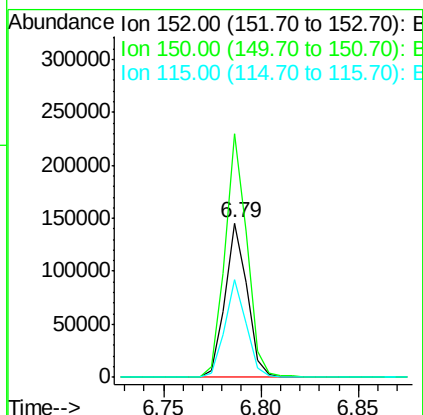
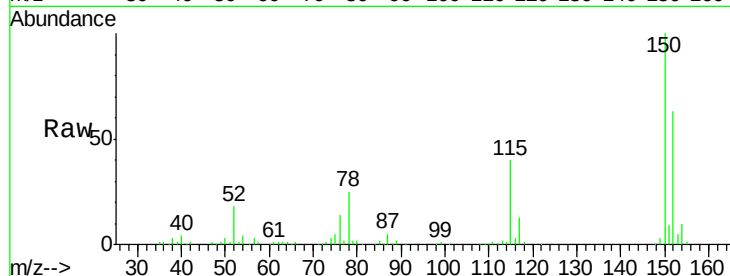


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF104994.D
Acq: 1 May 2018 19:53

Instrument :
BNA_F
ClientSampleId :
CONCRETE-4

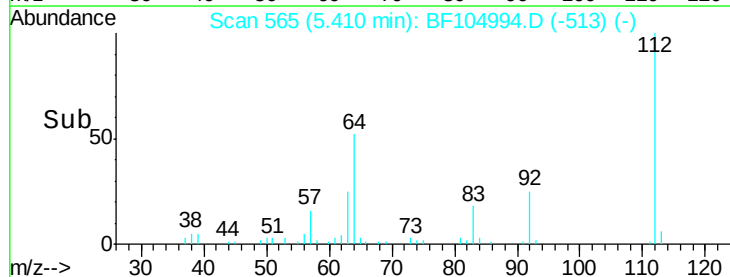
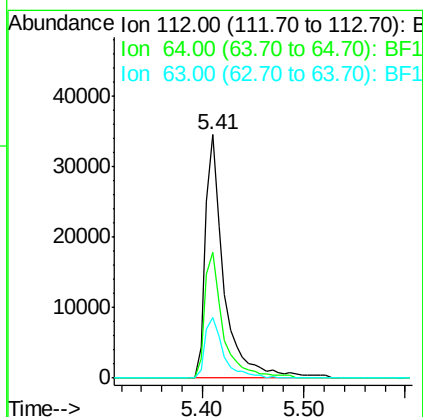
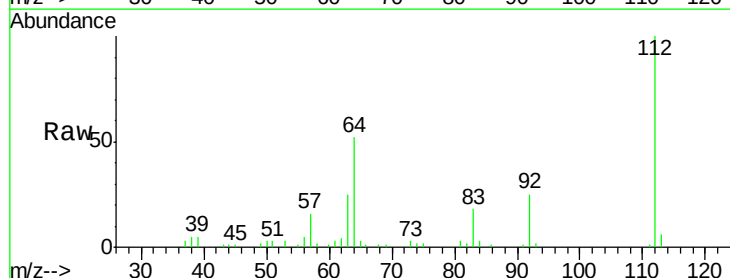
Tgt Ion:152 Resp: 114974
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 63.1 50.1 75.1

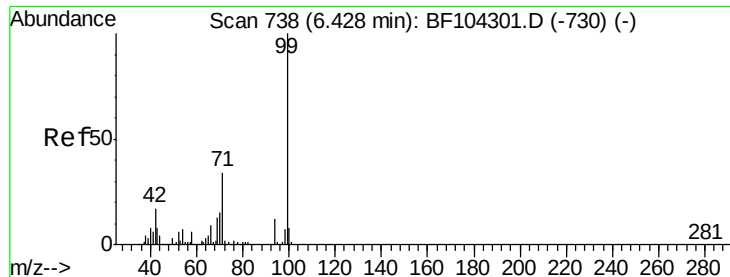


#5

2-Fluorophenol
Concen: 5.832 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF104994.D
Acq: 1 May 2018 19:53

Tgt Ion:112 Resp: 43851
Ion Ratio Lower Upper
112 100
64 51.9 47.9 71.9
63 25.1 23.7 35.5





#7

Phenol-d6

Concen: 35.244 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF104994.D

Acq: 1 May 2018 19:53

Instrument :

BNA_F

ClientSampleId :

CONCRETE-4

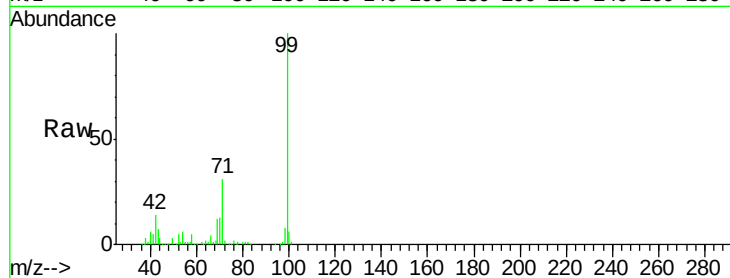
Tgt Ion: 99 Resp: 325611

Ion Ratio Lower Upper

99 100

42 14.0 14.5 21.7#

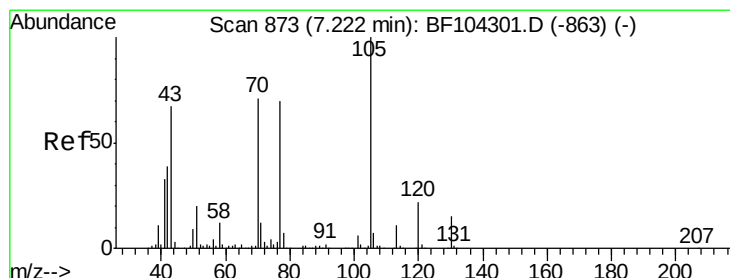
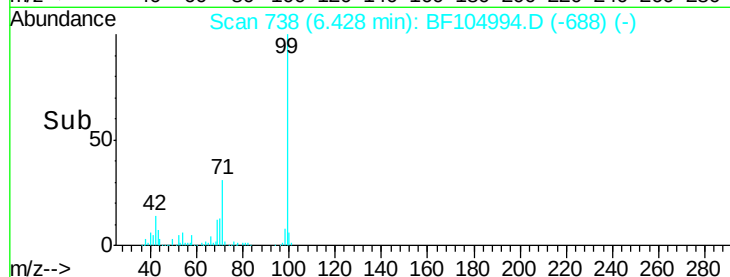
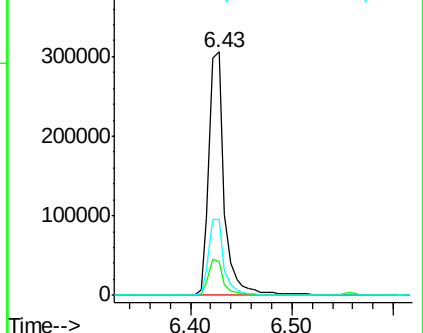
71 30.9 25.4 38.0



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: 12.904 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF104994.D

Acq: 1 May 2018 19:53

Tgt Ion: 70 Resp: 77901

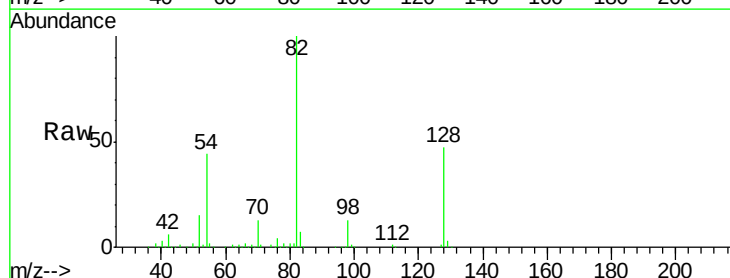
Ion Ratio Lower Upper

70 100

42 42.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

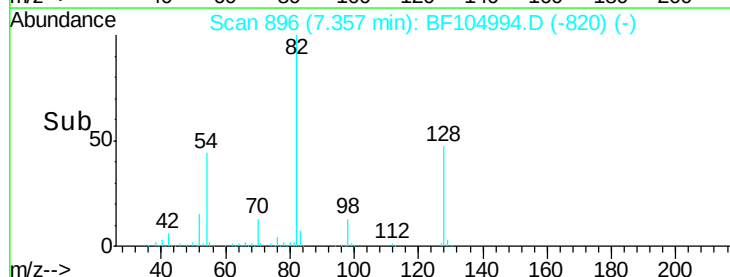
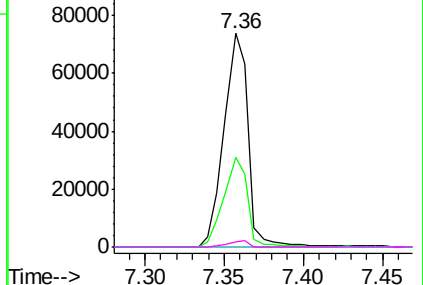


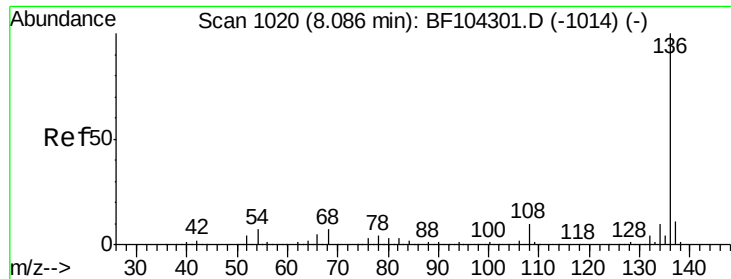
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

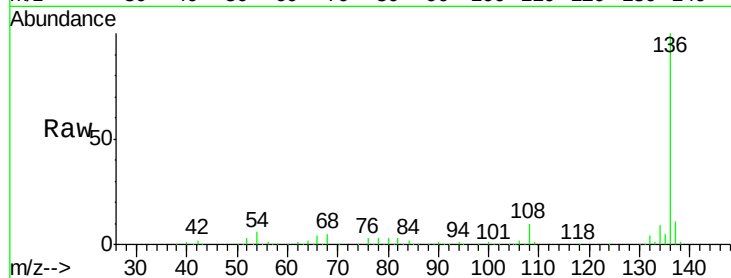




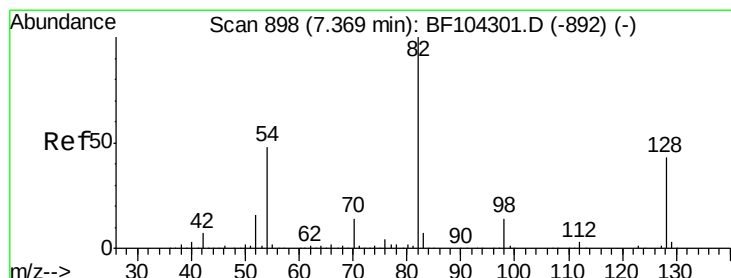
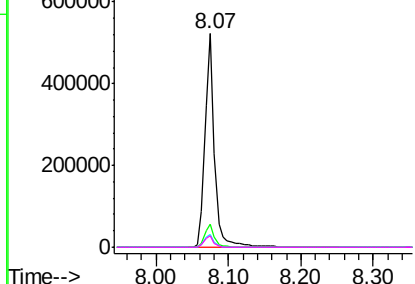
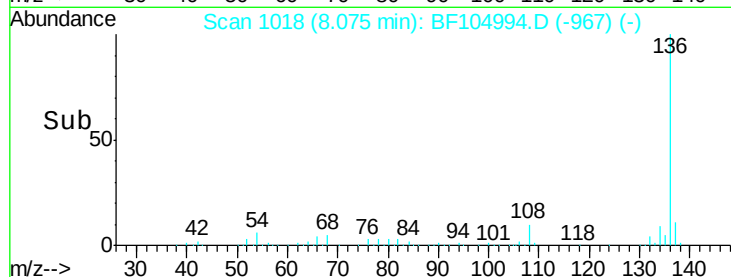
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF104994.D
Acq: 1 May 2018 19:53

Instrument :
BNA_F
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CONCRETE-4

Tgt Ion:	136	Resp:	481925
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.0	6.6	9.8#
68	5.2	5.0	7.4

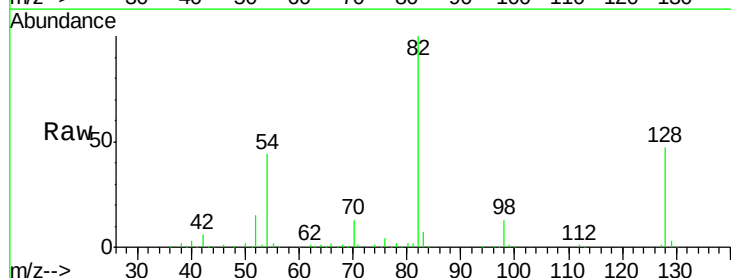


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

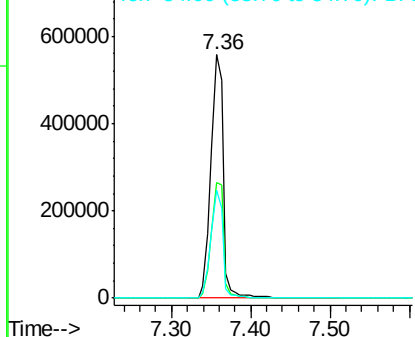
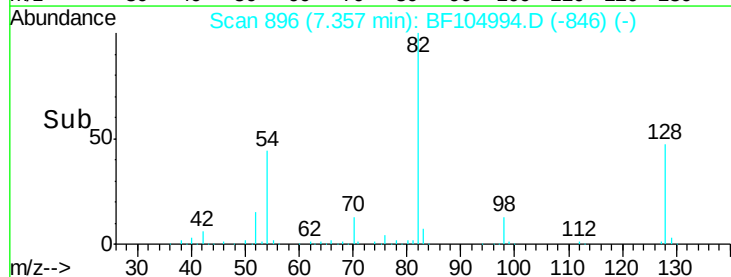


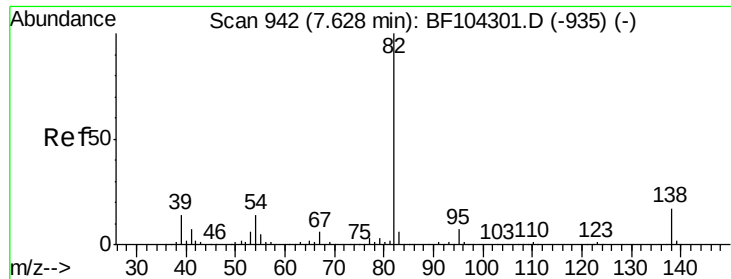
#23
Nitrobenzene-d5
Concen: 82.269 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104994.D
Acq: 1 May 2018 19:53

Tgt Ion:	82	Resp:	607174
Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	44.1	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: 38.904 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF104994.D

Acq: 1 May 2018 19:53

Instrument :

BNA_F

ClientSampleId :

CONCRETE-4

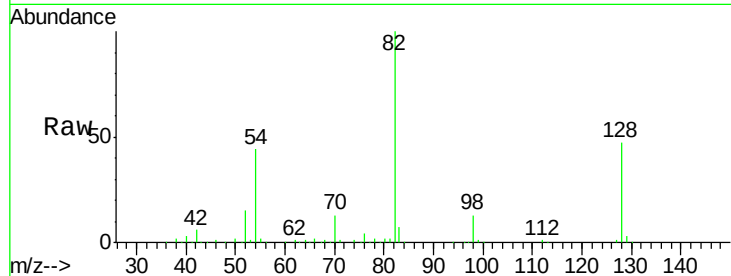
Tgt Ion: 82 Resp: 607169

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

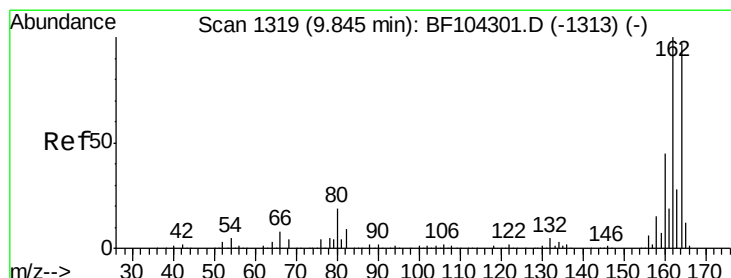
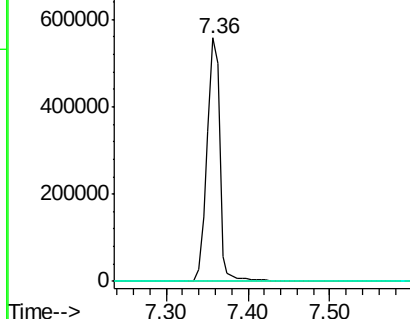
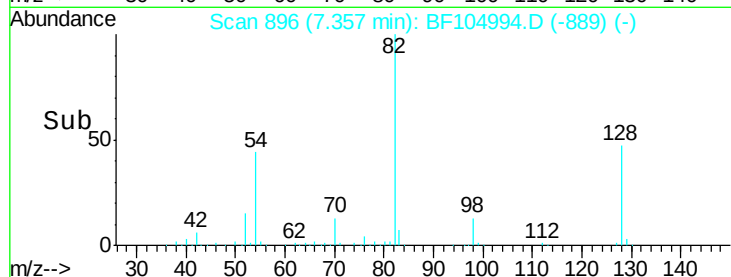
138 0.0 14.9 22.3#



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): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF104994.D

Acq: 1 May 2018 19:53

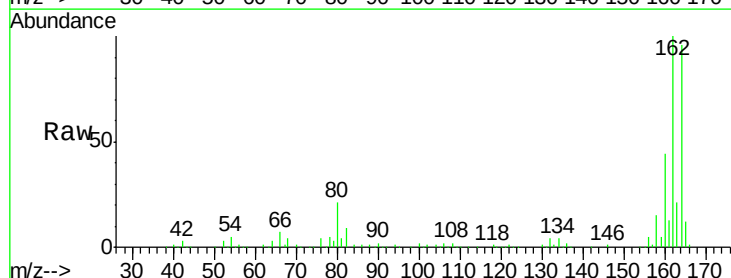
Tgt Ion: 164 Resp: 218519

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

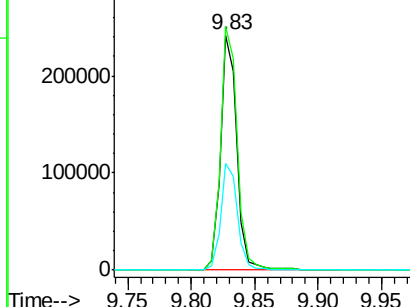
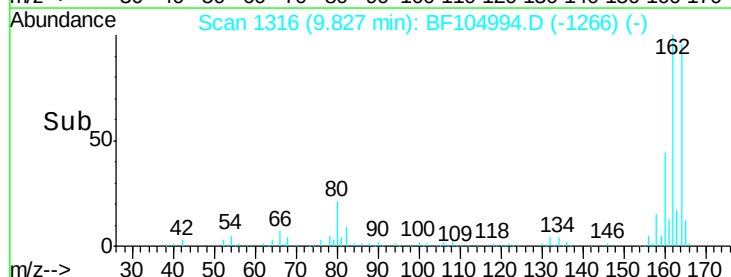
160 45.4 38.3 57.5

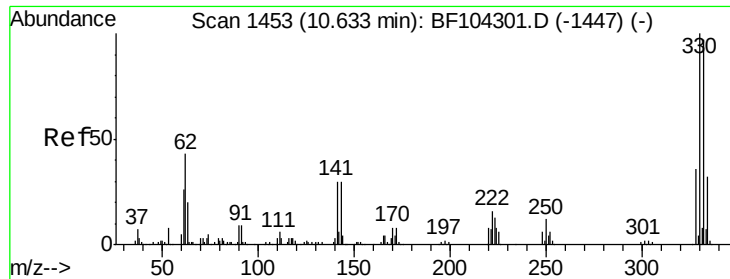


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

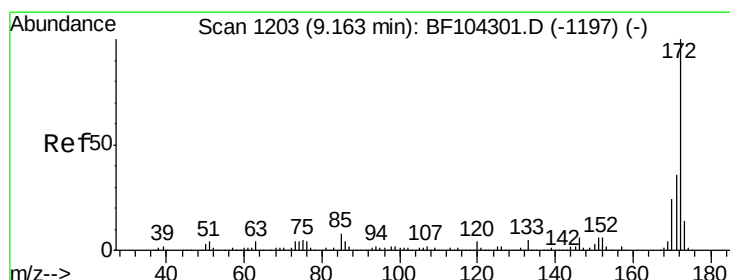
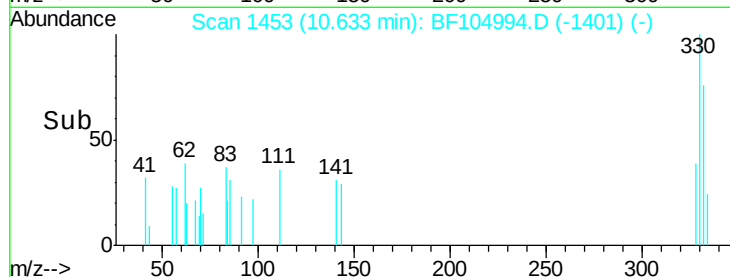
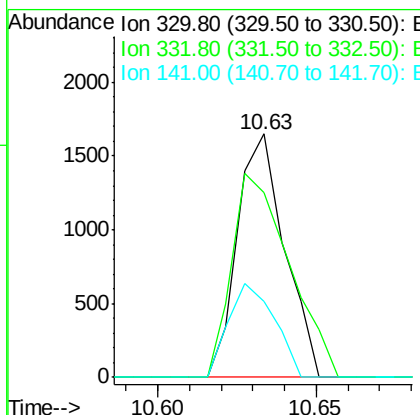
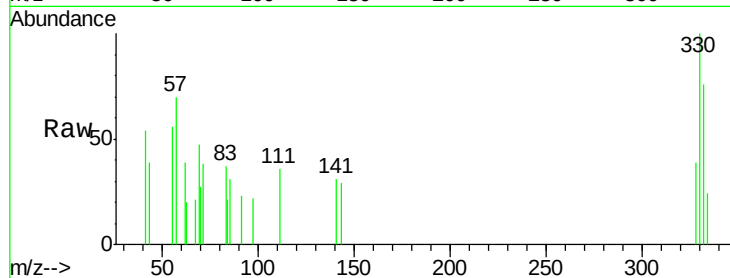




#41
 2,4,6-Tribromophenol
 Concen: 0.751 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: BF104994.D
 Acq: 1 May 2018 19:53

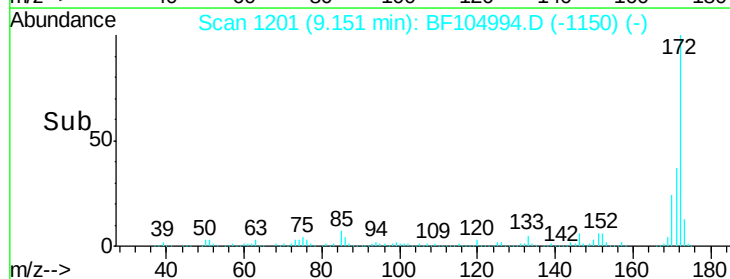
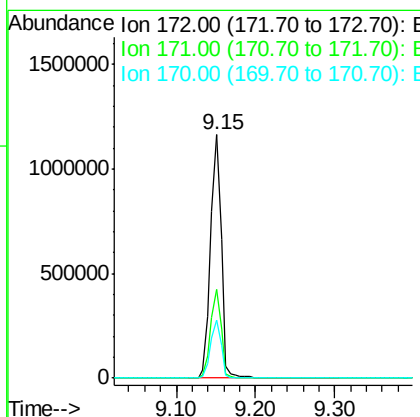
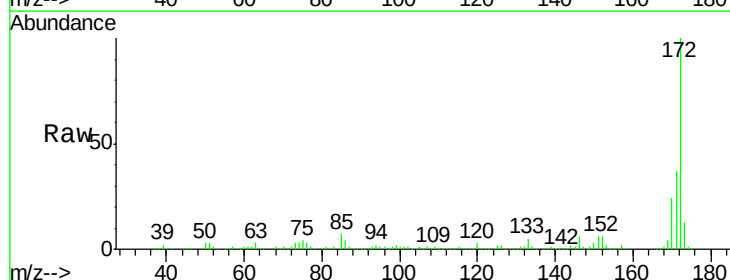
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-4

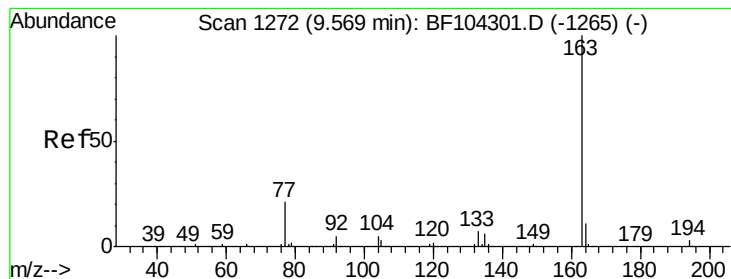
Tgt Ion: 330 Resp: 1703
 Ion Ratio Lower Upper
 330 100
 332 101.7 77.0 115.6
 141 37.5 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 79.297 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF104994.D
 Acq: 1 May 2018 19:53

Tgt Ion: 172 Resp: 1096871
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 23.8 19.6 29.4





#49

Dimethylphthalate

Concen: 6.894 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF104994.D

Acq: 1 May 2018 19:53

Instrument :

BNA_F

ClientSampleId :

CONCRETE-4

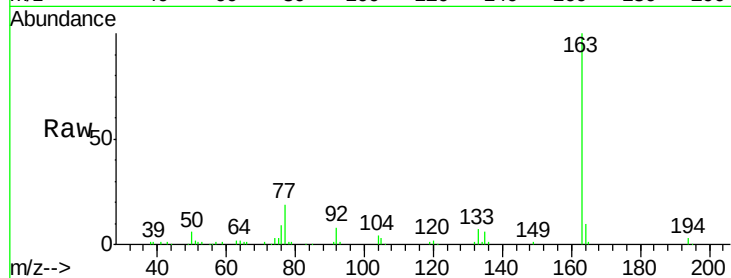
Tgt Ion:163 Resp: 118792

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

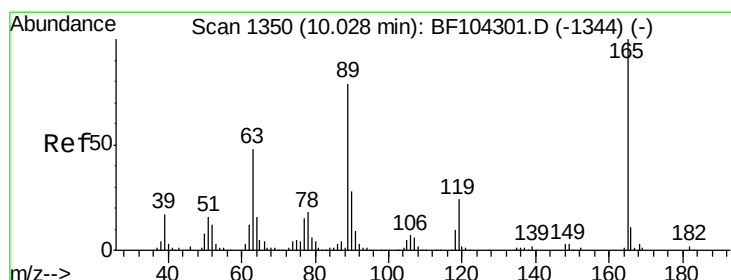
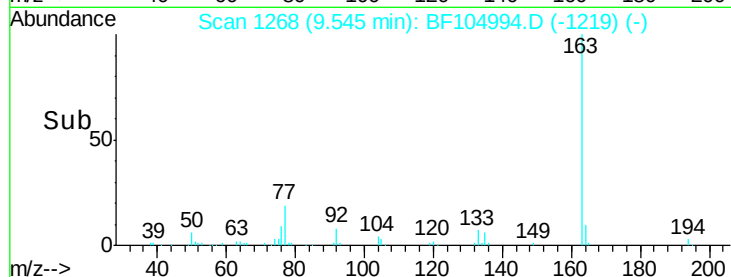
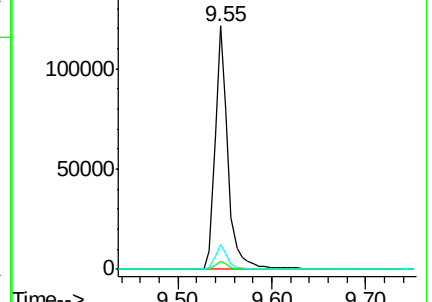
164 9.9 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.539 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.21 min

Lab File: BF104994.D

Acq: 1 May 2018 19:53

Tgt Ion:165 Resp: 27348

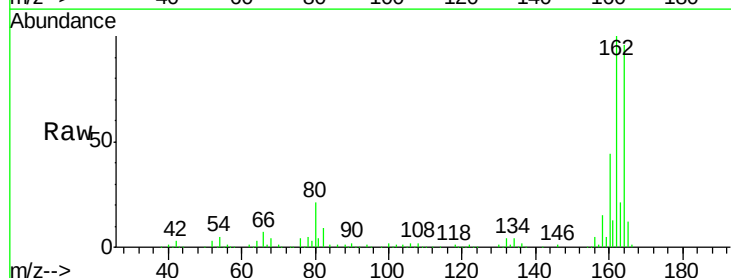
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

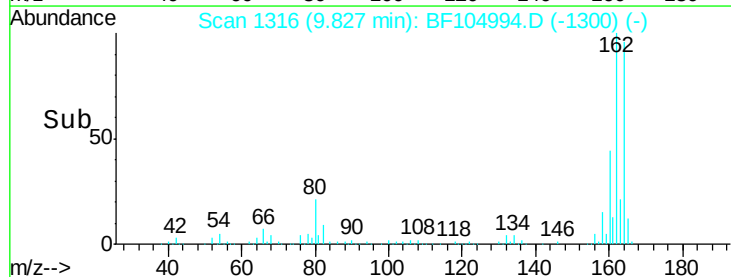
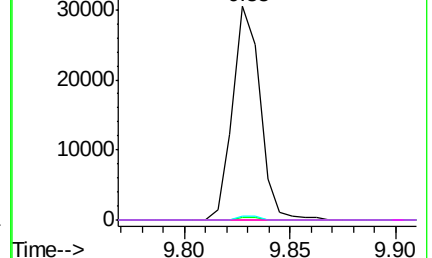


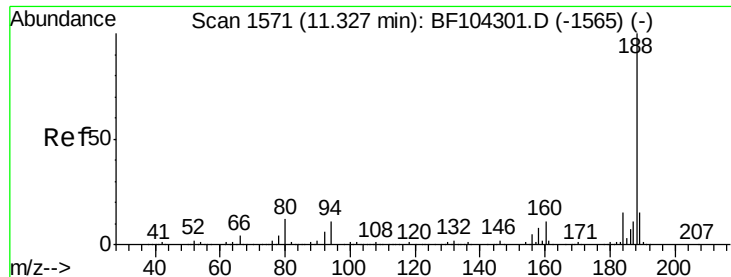
Abundance Ion 165.00 (164.70 to 165.70): E

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

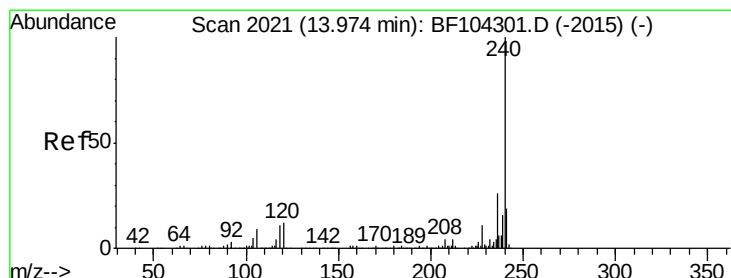
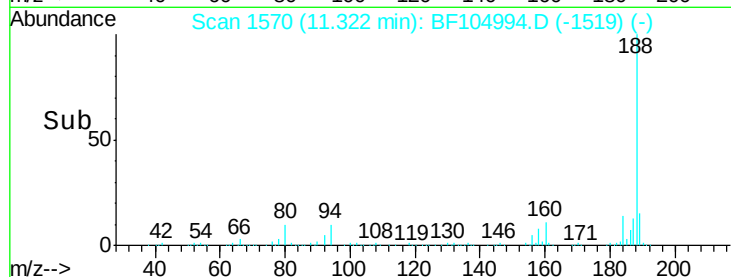
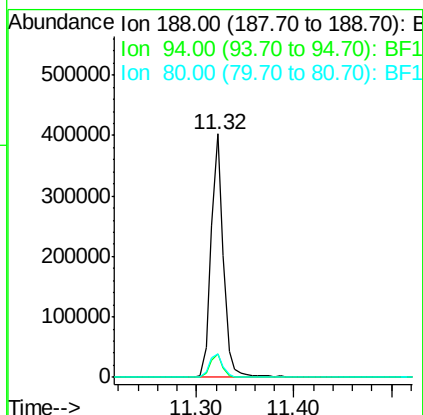
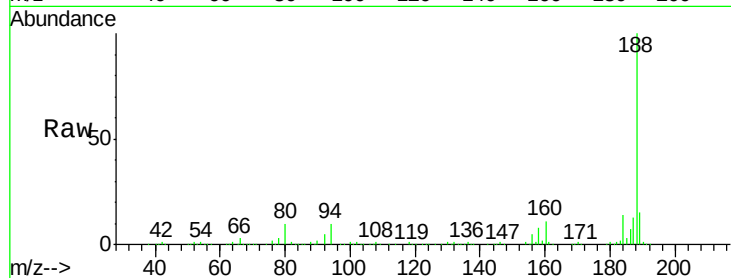




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF104994.D
Acq: 1 May 2018 19:53

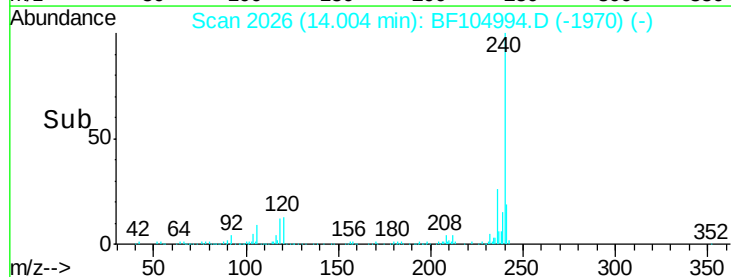
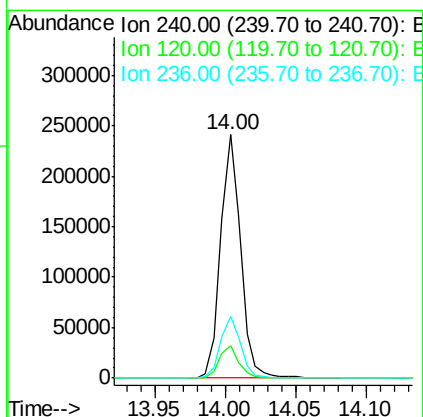
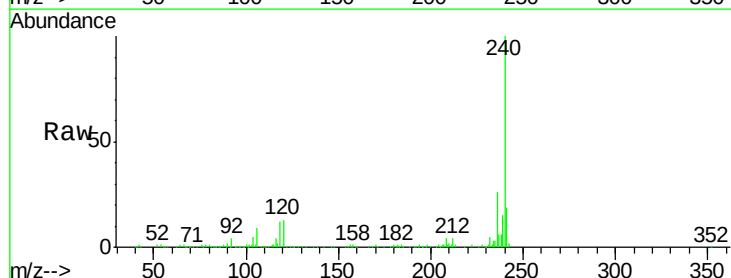
Instrument :
BNA_F
ClientSampleId :
CONCRETE-4

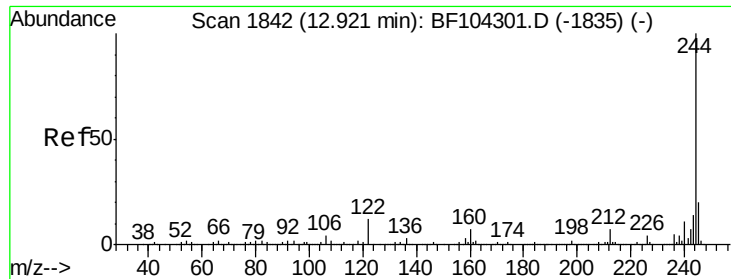
Tgt Ion:188 Resp: 352728
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 9.8 9.2 13.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.03 min
Lab File: BF104994.D
Acq: 1 May 2018 19:53

Tgt Ion:240 Resp: 238616
Ion Ratio Lower Upper
240 100
120 13.1 9.5 14.3
236 25.6 20.7 31.1

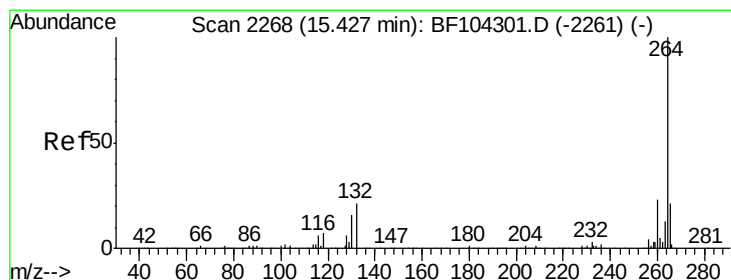
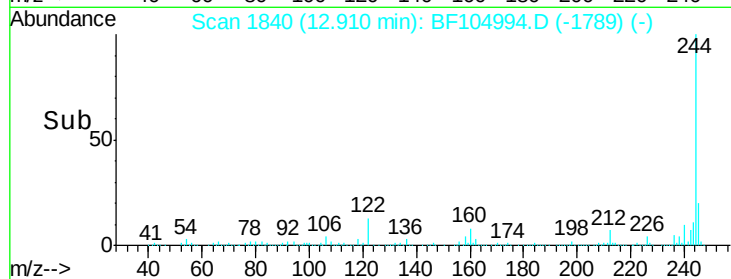
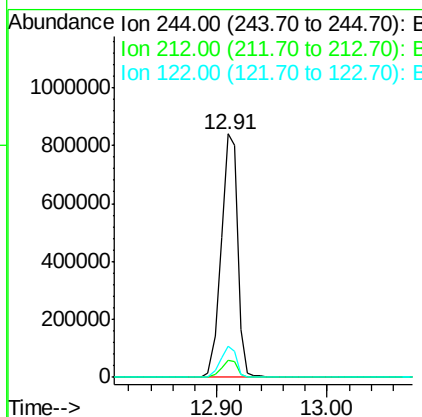
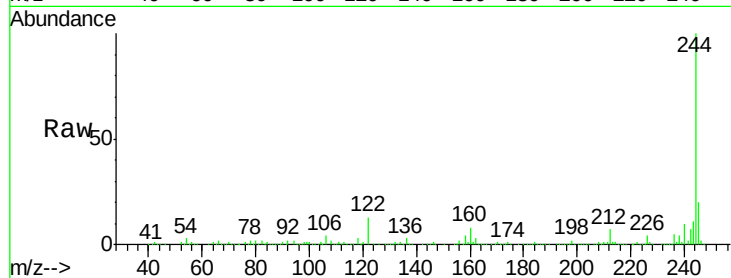




#78
 Terphenyl-d14
 Concen: 83.891 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF104994.D
 Acq: 1 May 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-4

Tgt Ion:244 Resp: 878040
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 13.0 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.11 min
 Lab File: BF104994.D
 Acq: 1 May 2018 19:53

Tgt Ion:264 Resp: 219677
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.7 17.5 26.3

