

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF104987.D
 Acq On : 1 May 2018 16:48
 Operator : JU/SJ
 Sample : J2616-25
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-3

Quant Time: May 02 06:50:04 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

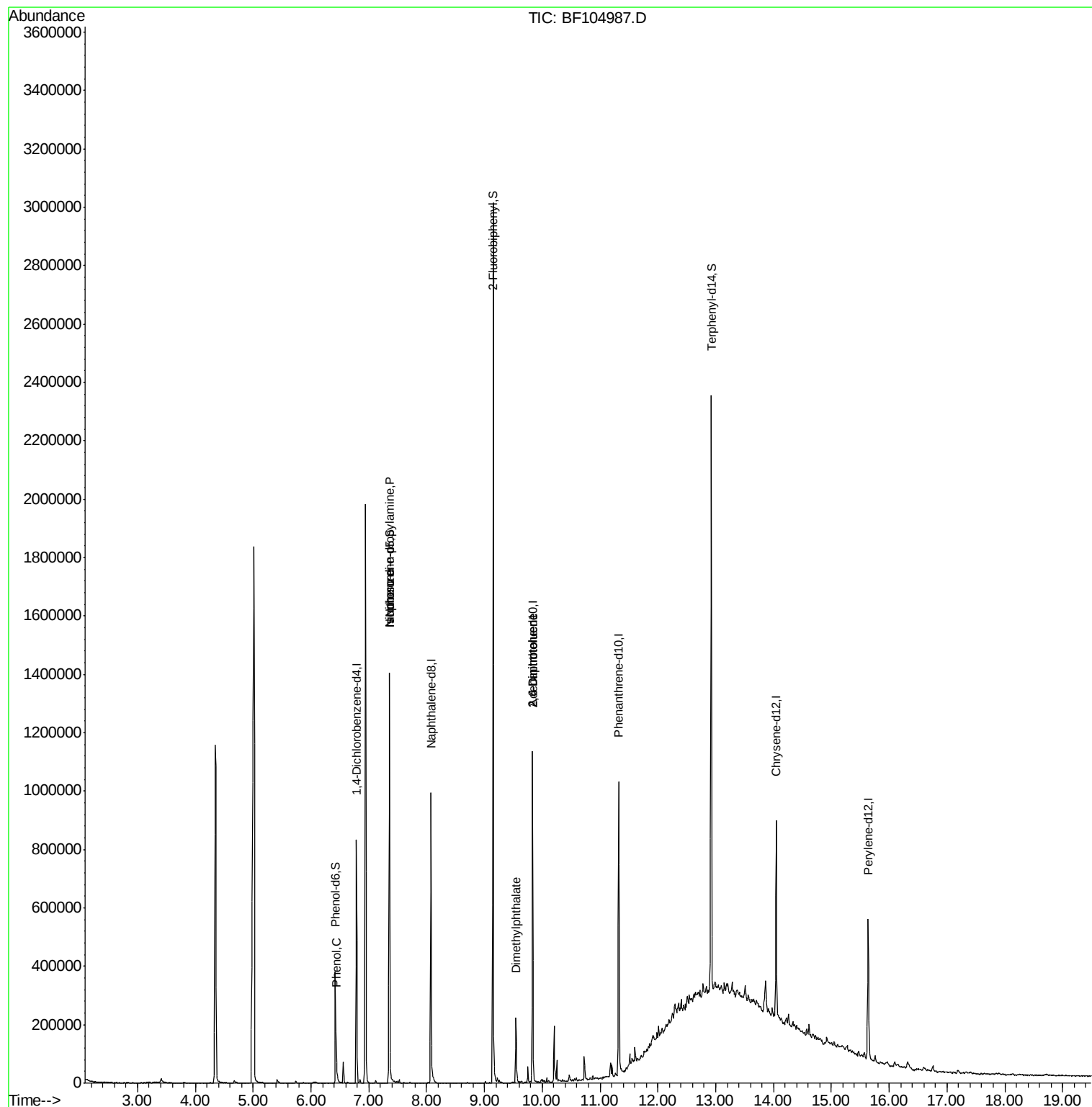
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	116469	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	489032	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	224970	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	371970	20.00	ng	0.00
75) Chrysene-d12	14.04	240	242228	20.00	ng	0.07
86) Perylene-d12	15.64	264	232708	20.00	ng	0.21
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	9241	1.21	ng	0.01
7) Phenol-d6	6.42	99	158808	16.97	ng	-0.01
23) Nitrobenzene-d5	7.36	82	472843	63.14	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.15	172	918511	64.50	ng	0.00
78) Terphenyl-d14	12.92	244	746844	70.29	ng	0.01
Target Compounds						
9) Benzaldehyde	6.56	77	228	Below Cal		Qvalue # 86
10) Phenol	6.44	94	23730	2.390	ng	92
19) n-Nitroso-di-n-propylamine	7.36	70	62349	10.195	ng	# 72
25) Isophorone	7.36	82	472891	29.860	ng	# 64
49) Dimethylphthalate	9.55	163	101356	5.713	ng	99
50) 2,6-Dinitrotoluene	9.83	165	27698	8.438	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	27698	6.432	ng	# 23
76) Benzydine	12.74	184	424	Below Cal		# 1

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

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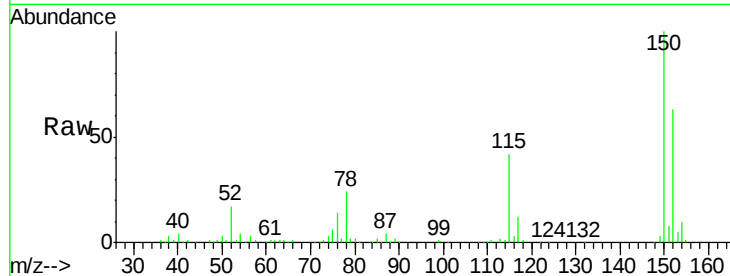


#1

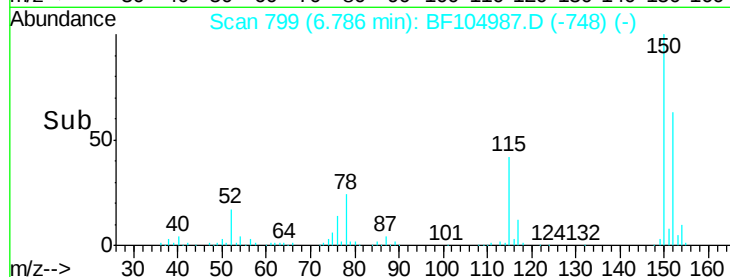
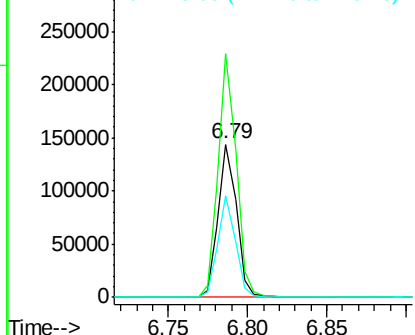
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF104987.D
 Acq: 1 May 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-3

Tgt Ion:152 Resp: 116469
 Ion Ratio Lower Upper
 152 100
 150 159.0 124.6 186.8
 115 66.1 50.1 75.1



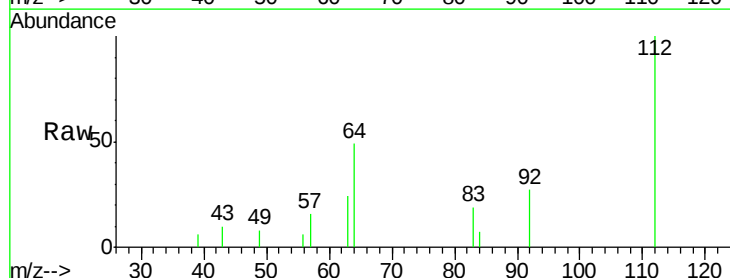
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



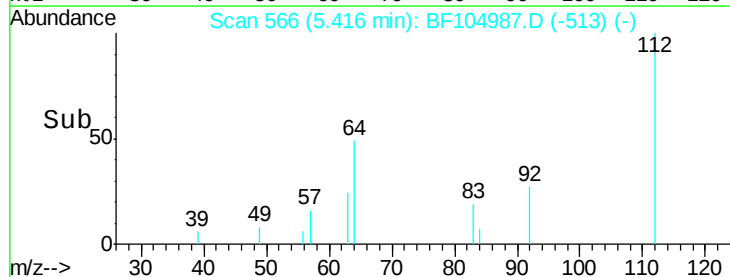
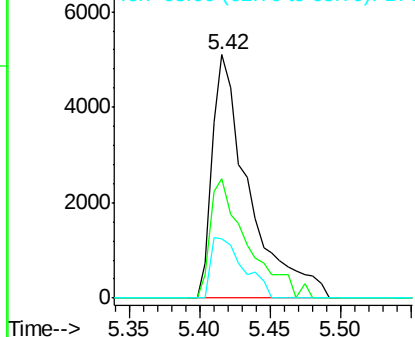
#5

2-Fluorophenol
 Concen: 1.213 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF104987.D
 Acq: 1 May 2018 16:48

Tgt Ion:112 Resp: 9241
 Ion Ratio Lower Upper
 112 100
 64 49.3 47.9 71.9
 63 24.4 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: 16.969 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF104987.D

Acq: 1 May 2018 16:48

Instrument :

BNA_F

ClientSampleId :

CONCRETE-3

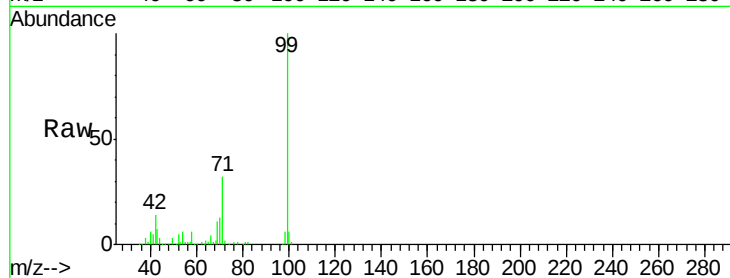
Tgt Ion: 99 Resp: 158808

Ion Ratio Lower Upper

99 100

42 14.2 14.5 21.7#

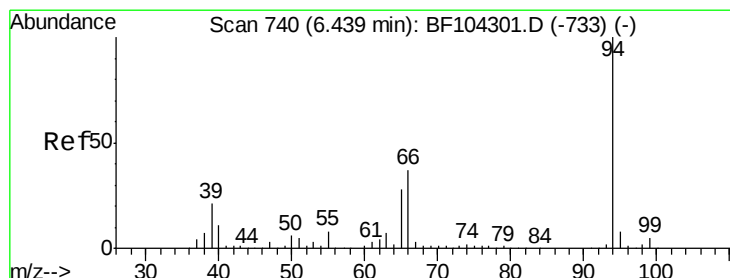
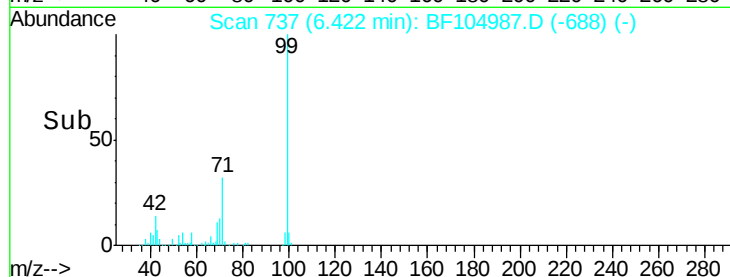
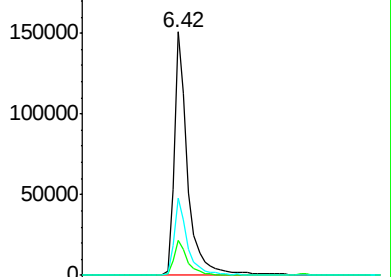
71 31.8 25.4 38.0



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



#10

Phenol

Concen: 2.390 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104987.D

Acq: 1 May 2018 16:48

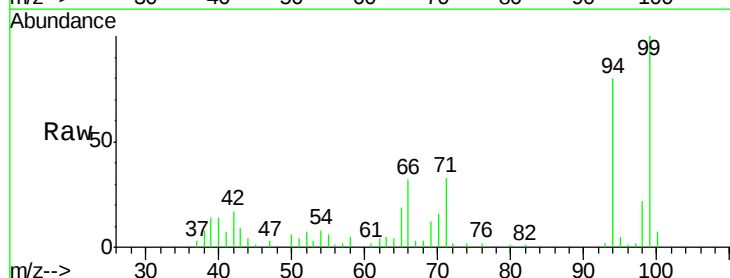
Tgt Ion: 94 Resp: 23730

Ion Ratio Lower Upper

94 100

65 24.0 7.9 47.9

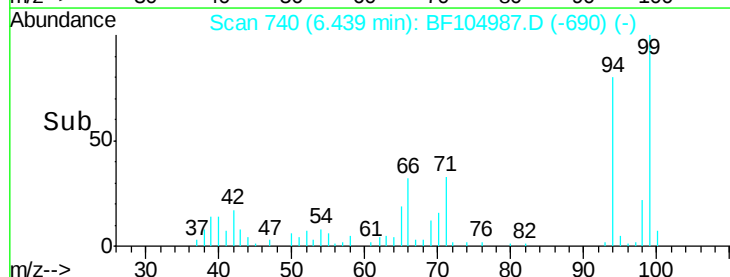
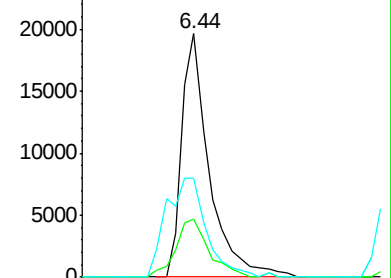
66 40.8 16.2 56.2

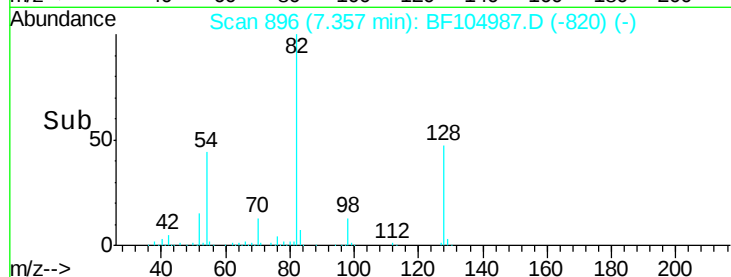
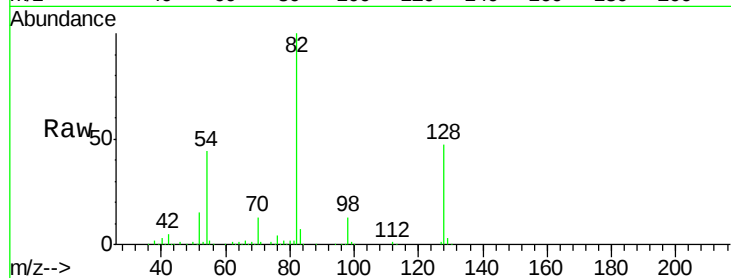
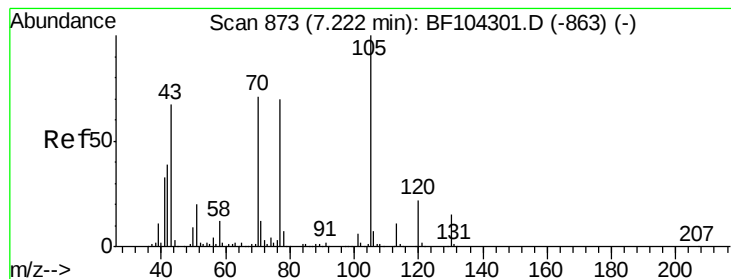


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.195 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF104987.D

Acq: 1 May 2018 16:48

Instrument :

BNA_F

ClientSampleId :

CONCRETE-3

Tgt Ion: 70 Resp: 62349

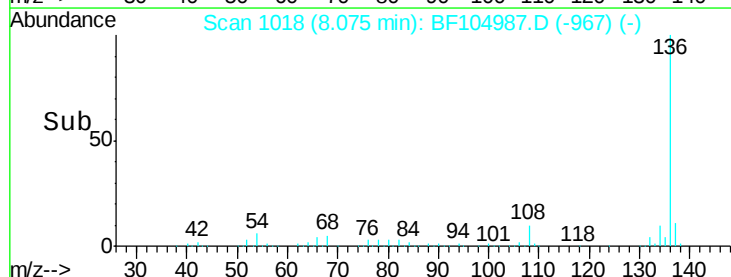
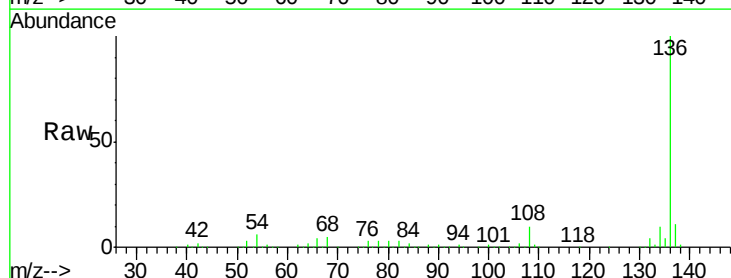
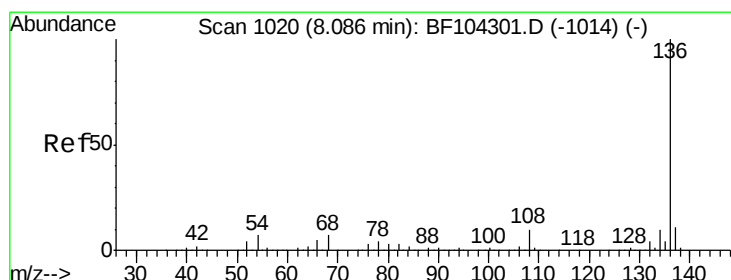
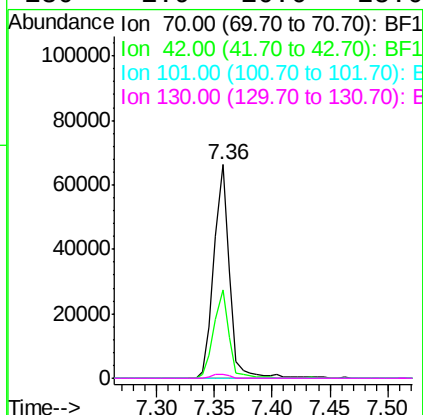
Ion Ratio Lower Upper

70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF104987.D

Acq: 1 May 2018 16:48

Tgt Ion: 136 Resp: 489032

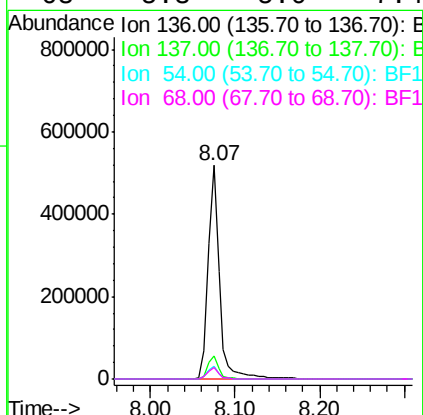
Ion Ratio Lower Upper

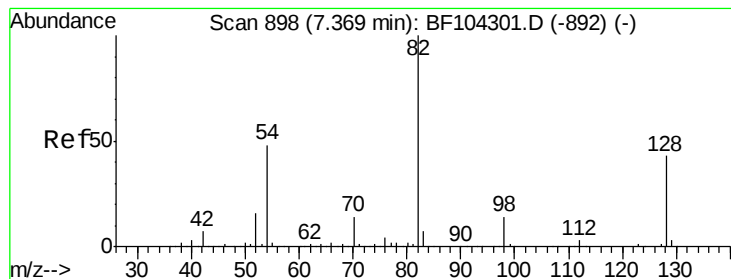
136 100

137 10.9 8.9 13.3

54 6.1 6.6 9.8#

68 5.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 63.136 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF104987.D

Acq: 1 May 2018 16:48

Instrument :

BNA_F

ClientSampleId :

CONCRETE-3

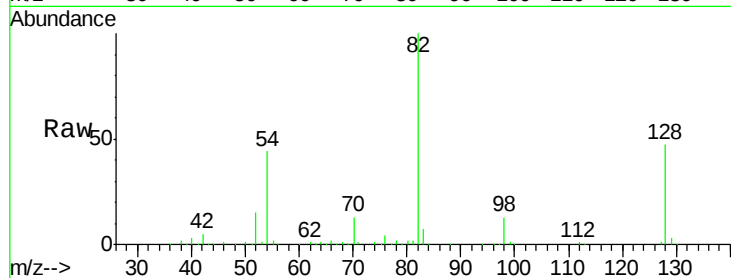
Tgt Ion: 82 Resp: 472843

Ion Ratio Lower Upper

82 100

128 46.6 36.1 54.1

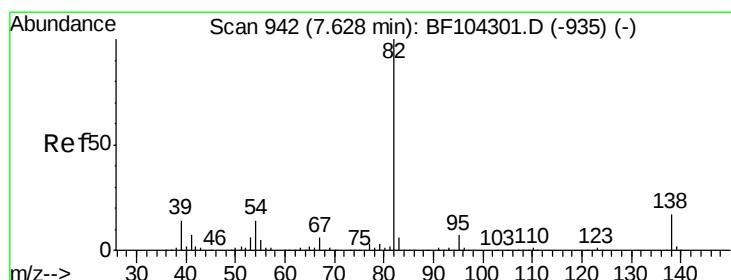
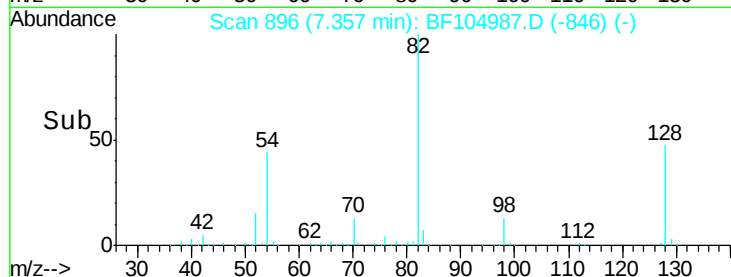
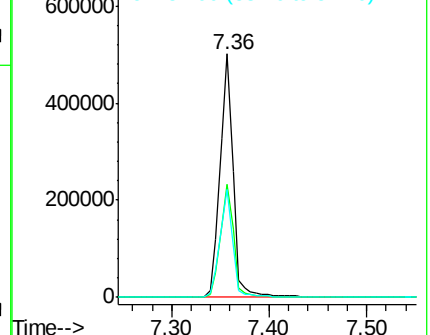
54 44.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 29.860 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF104987.D

Acq: 1 May 2018 16:48

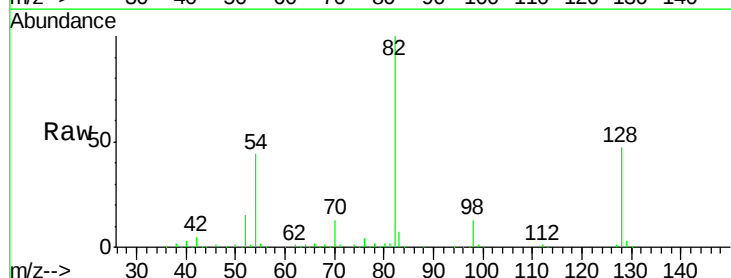
Tgt Ion: 82 Resp: 472891

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

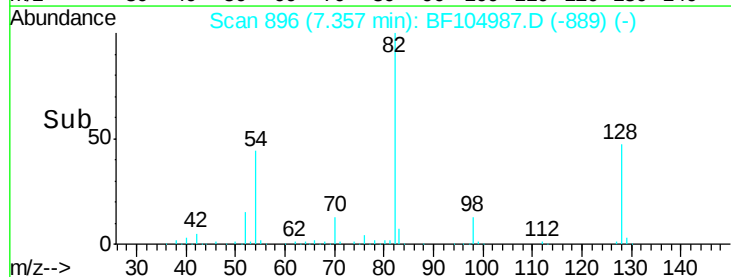
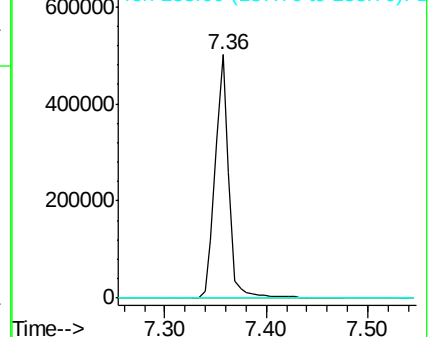
138 0.0 14.9 22.3#

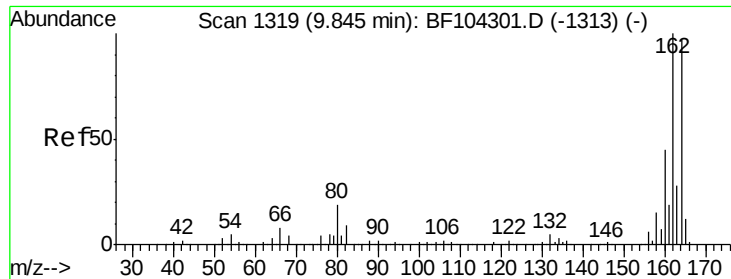


Abundance Ion 82.00 (81.70 to 82.70): BF1

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# 1317

Delta R.T. -0.00 min

Lab File: BF104987.D

Acq: 1 May 2018 16:48

Instrument :

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ClientSampleId :

CONCRETE-3

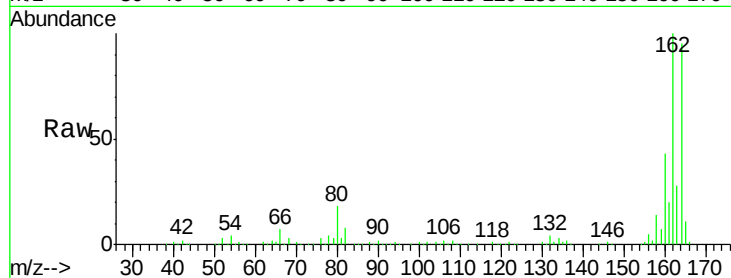
Tgt Ion:164 Resp: 224970

Ion Ratio Lower Upper

164 100

162 105.7 86.1 129.1

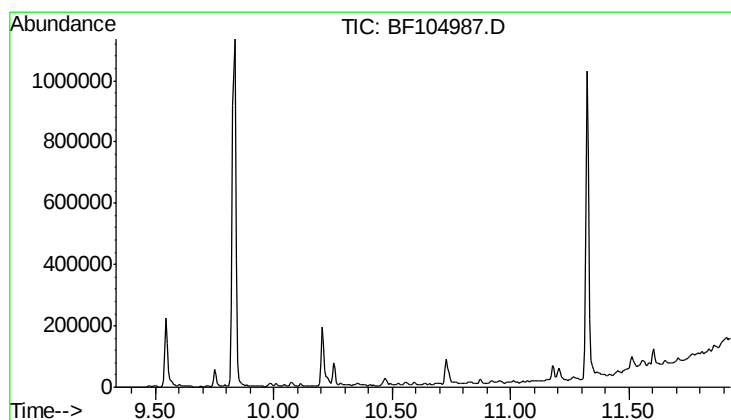
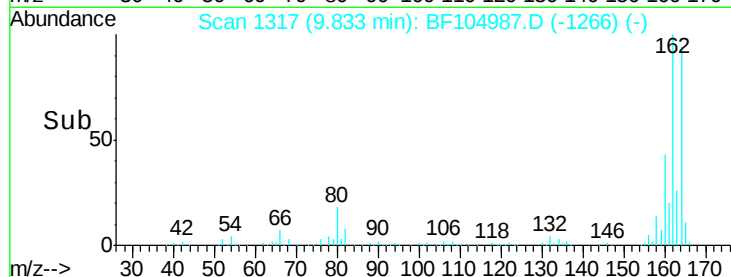
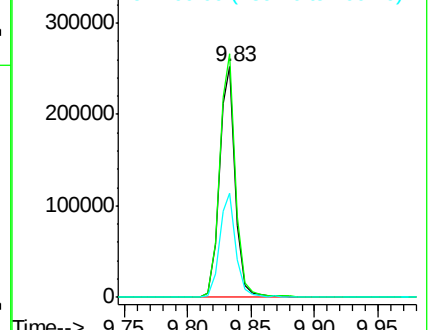
160 45.5 38.3 57.5



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: 0.000 ng

Expected RT: 10.63 min

Lab File: BF104987.D

Acq: 1 May 2018 16:48

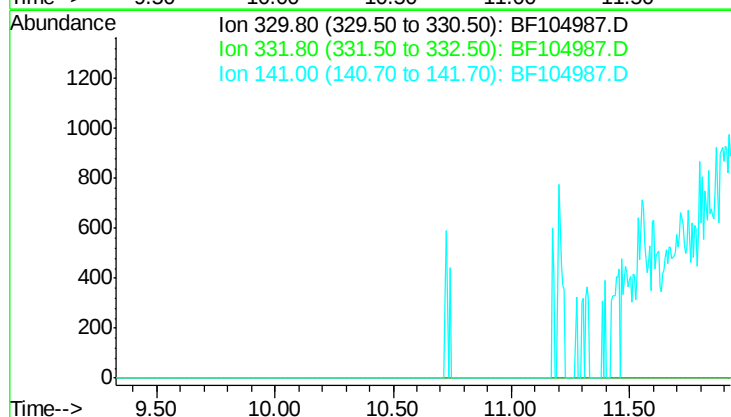
Tgt Ion: 330

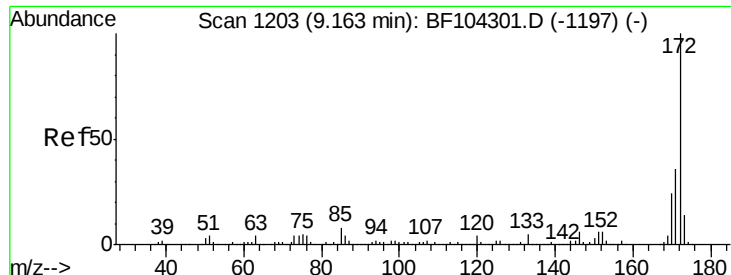
Sig Exp Ratio

330 100

332 96.3

141 37.4

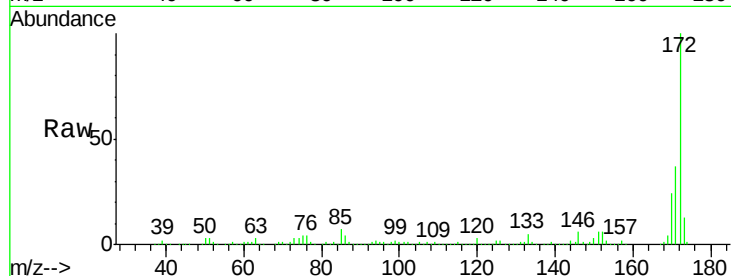




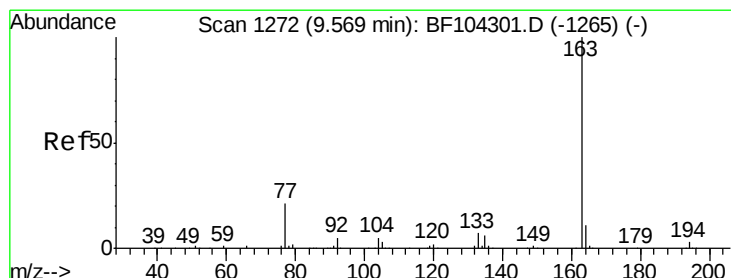
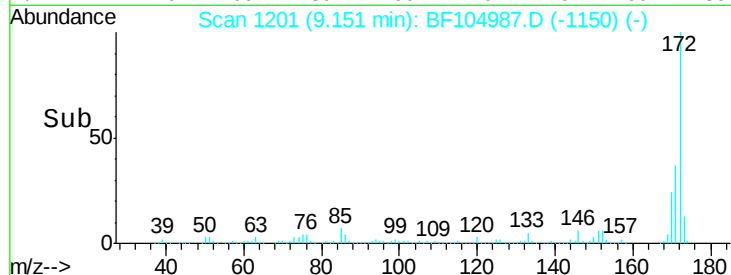
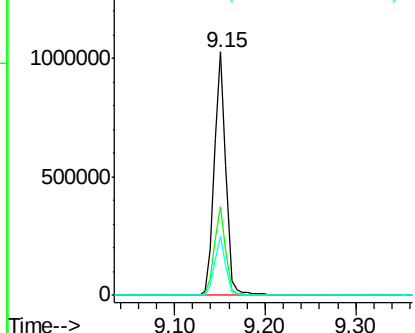
#44
 2-Fluorobiphenyl
 Concen: 64.498 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF104987.D
 Acq: 1 May 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-3

Tgt Ion:172 Resp: 918511
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.2 19.6 29.4

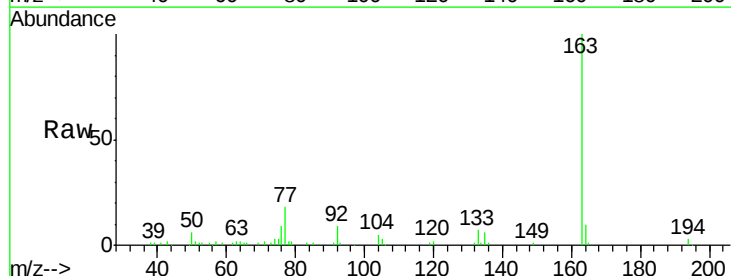


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

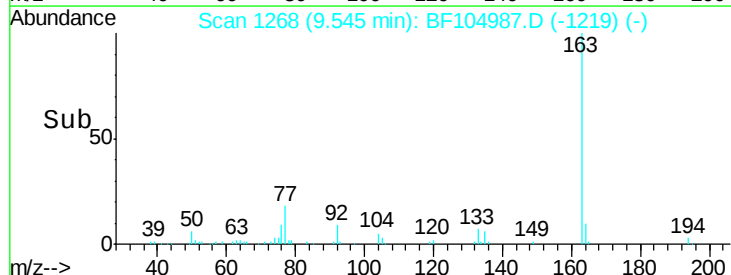
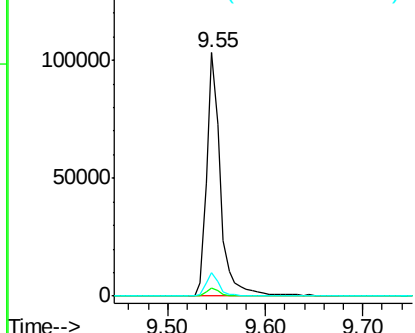


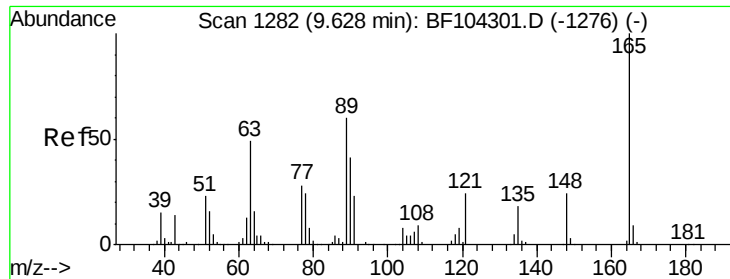
#49
 Dimethylphthalate
 Concen: 5.713 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF104987.D
 Acq: 1 May 2018 16:48

Tgt Ion:163 Resp: 101356
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.7 4.1
 164 9.8 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

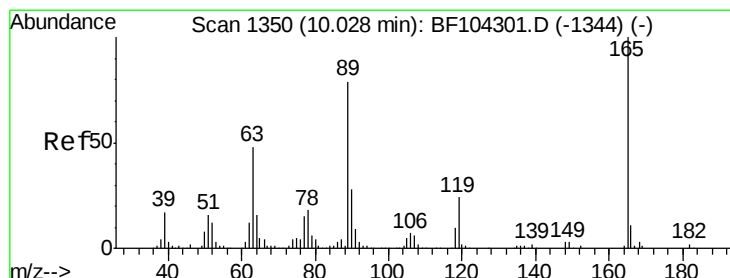
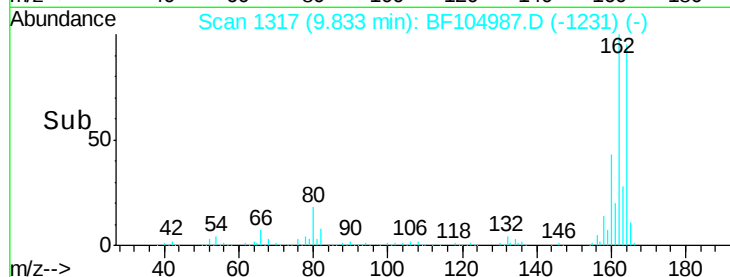
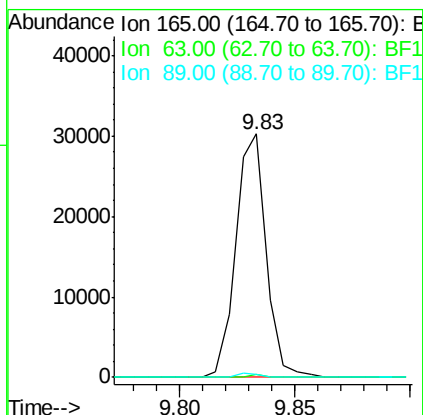
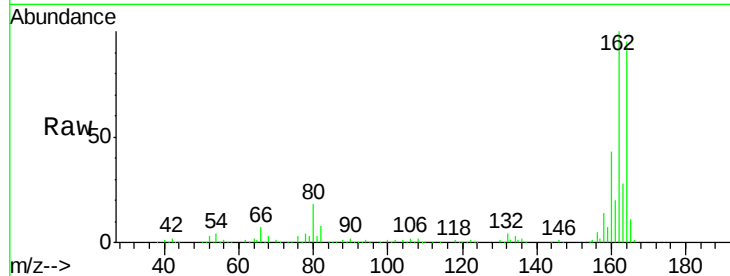




#50
 2,6-Dinitrotoluene
 Concen: 8.438 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.21 min
 Lab File: BF104987.D
 Acq: 1 May 2018 16:48

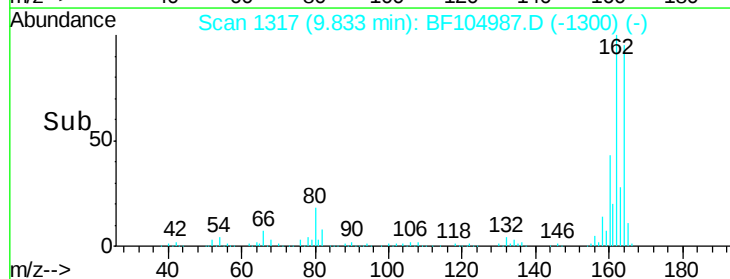
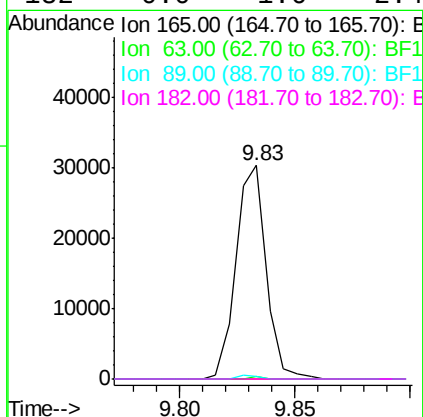
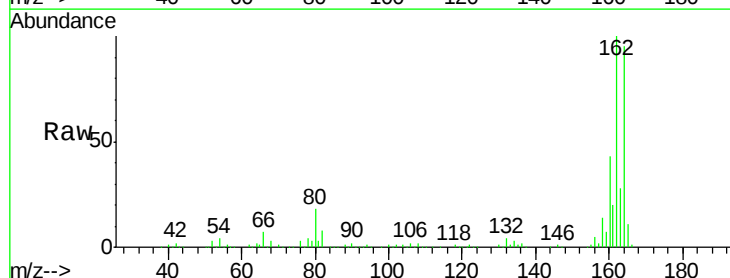
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-3

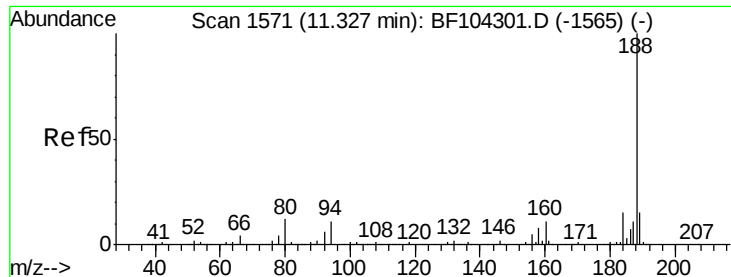
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.432 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.20 min
 Lab File: BF104987.D
 Acq: 1 May 2018 16:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

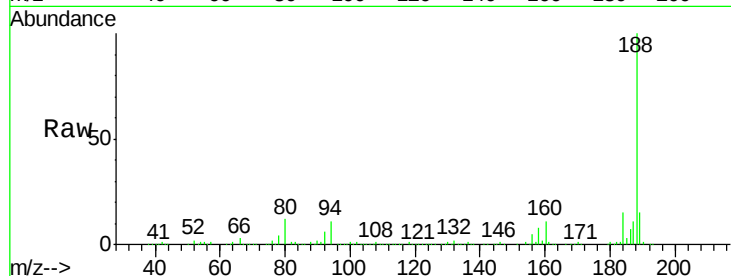




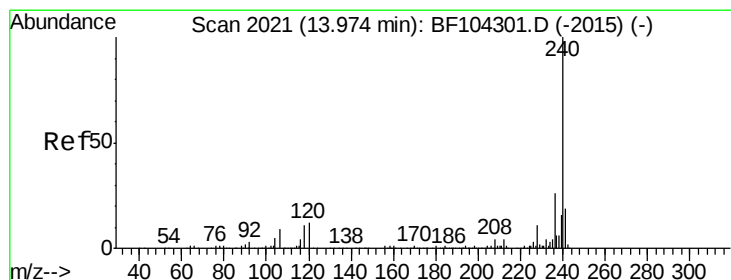
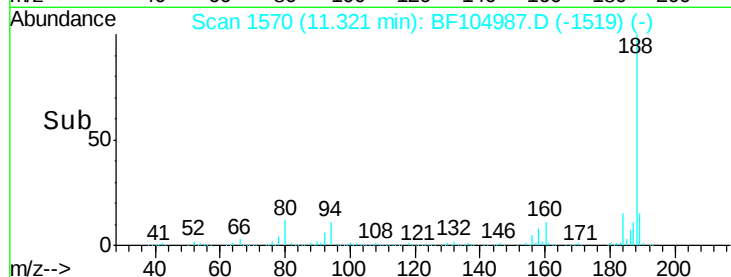
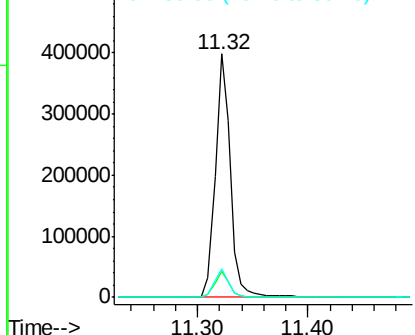
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF104987.D
Acq: 1 May 2018 16:48

Instrument :
BNA_F
ClientSampleId :
CONCRETE-3

Tgt Ion:188 Resp: 371970
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.6 9.2 13.8

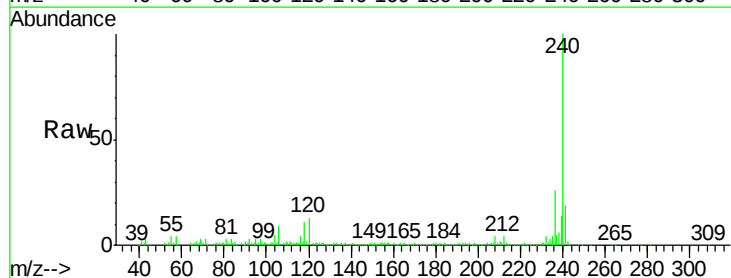


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

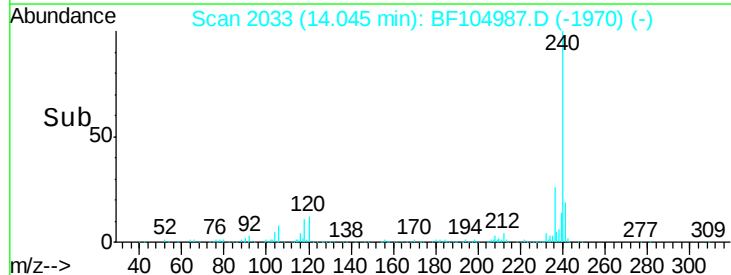
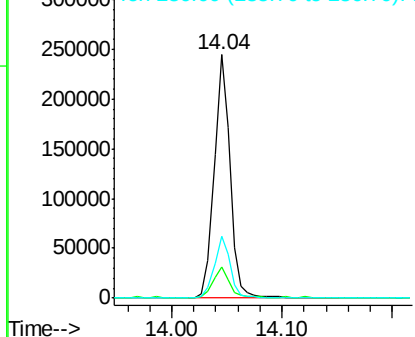


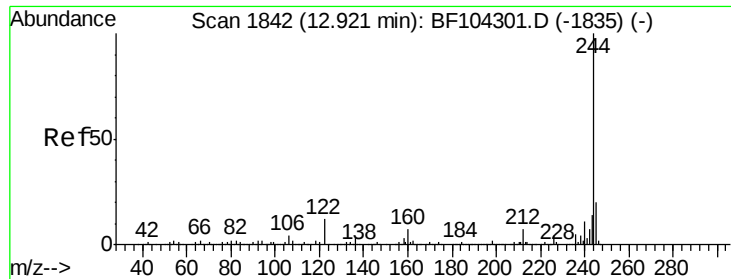
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.07 min
Lab File: BF104987.D
Acq: 1 May 2018 16:48

Tgt Ion:240 Resp: 242228
Ion Ratio Lower Upper
240 100
120 12.9 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





#78

Terphenyl-d14

Concen: 70.292 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF104987.D

Acq: 1 May 2018 16:48

Instrument :

BNA_F

ClientSampleId :

CONCRETE-3

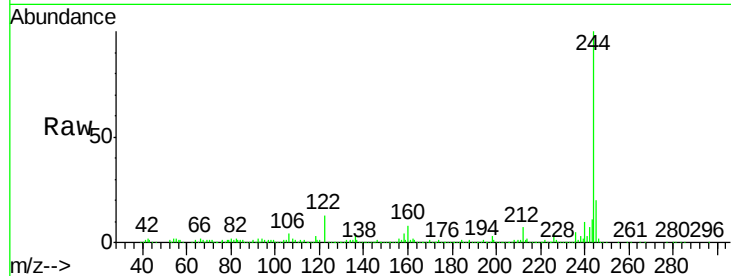
Tgt Ion:244 Resp: 746844

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

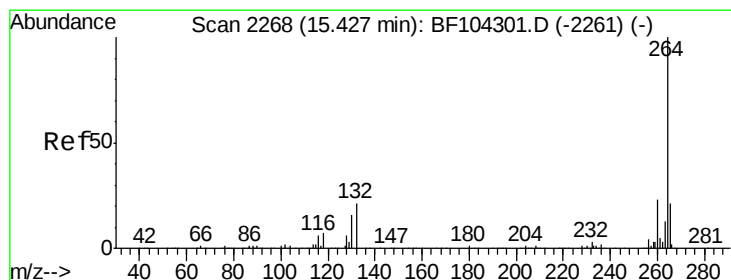
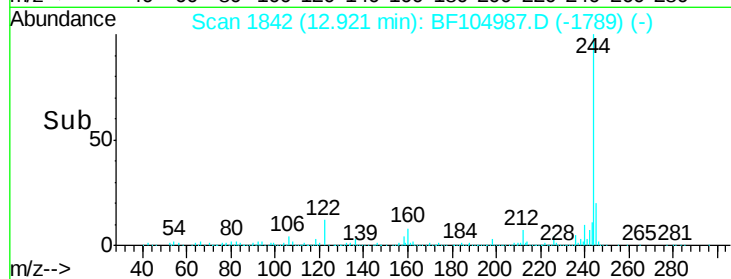
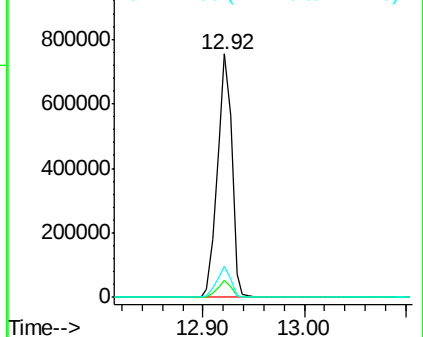
122 12.6 11.0 16.4



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: 15.64 min Scan# 2304

Delta R.T. 0.21 min

Lab File: BF104987.D

Acq: 1 May 2018 16:48

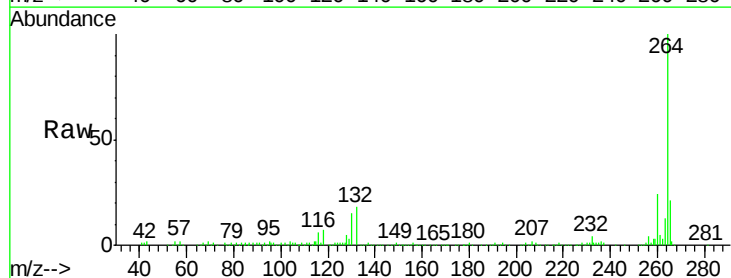
Tgt Ion:264 Resp: 232708

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.2 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

