

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
 Data File : BF101610.D
 Acq On : 21 Dec 2017 16:45
 Operator : SJ/JU
 Sample : I6990-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-CONCRETE

Quant Time: Dec 21 18:11:29 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

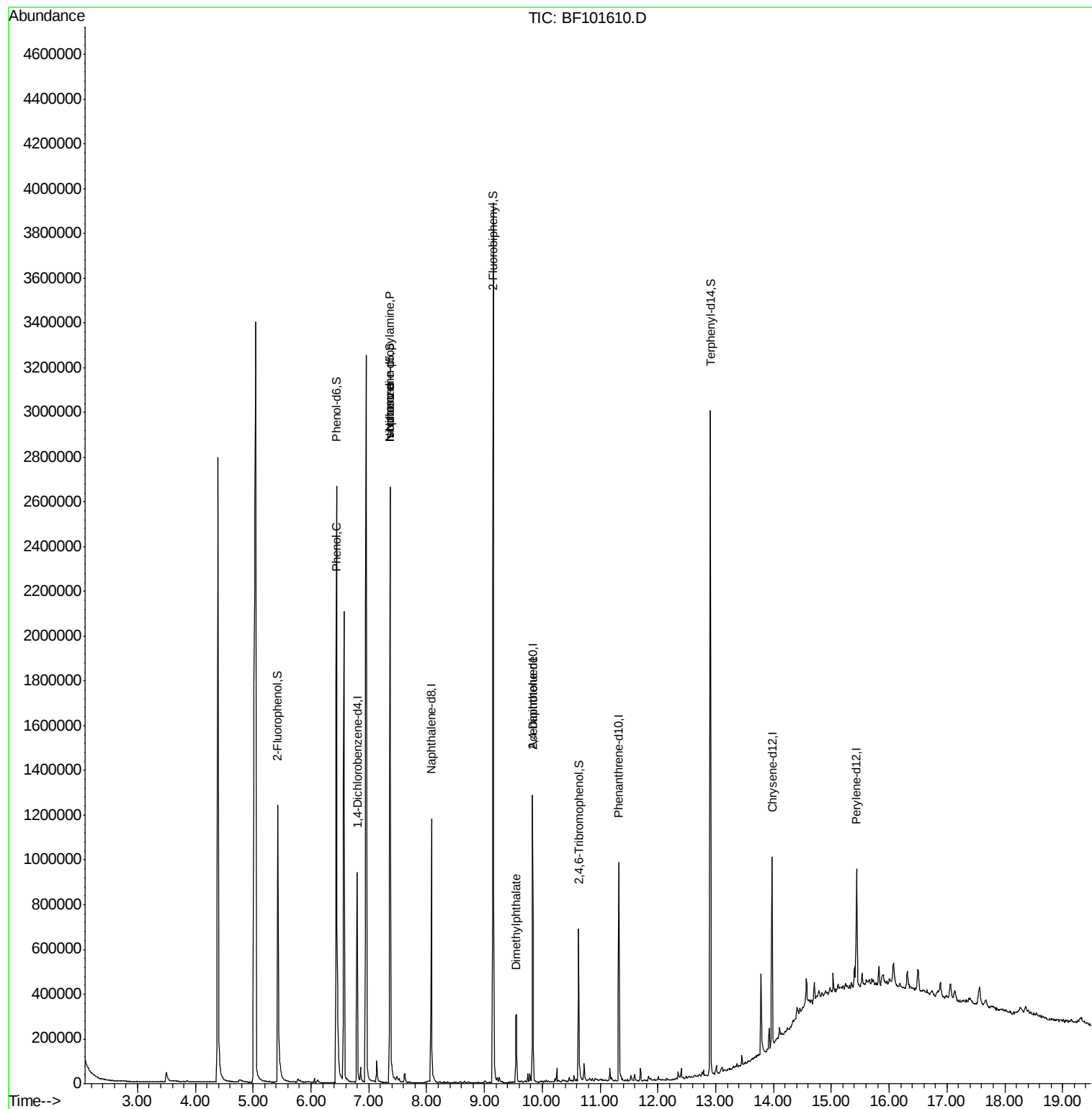
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	154473	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	603286	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	233579	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	365690	20.00	ng	0.00
75) Chrysene-d12	13.97	240	305510	20.00	ng	0.00
86) Perylene-d12	15.44	264	265940	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	482841	46.56	ng	0.01
7) Phenol-d6	6.44	99	1082759	83.89	ng	0.00
23) Nitrobenzene-d5	7.37	82	976248	90.08	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	78747	34.99	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1458575	96.87	ng	0.00
78) Terphenyl-d14	12.91	244	1071896	84.58	ng	0.00
Target Compounds						
10) Phenol	6.45	94	44124	3.000	ng	# 76
19) n-Nitroso-di-n-propylamine	7.37	70	133779	15.784	ng	# 82
25) Isophorone	7.37	82	976242	44.903	ng	# 64
49) Dimethylphthalate	9.55	163	141904	7.553	ng	100
56) 2,4-Dinitrotoluene	9.83	165	29900	6.950	ng	# 23

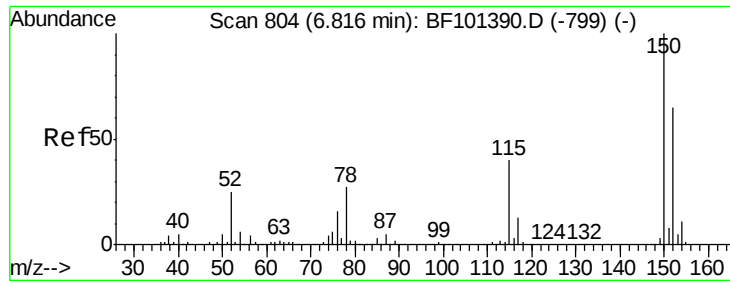
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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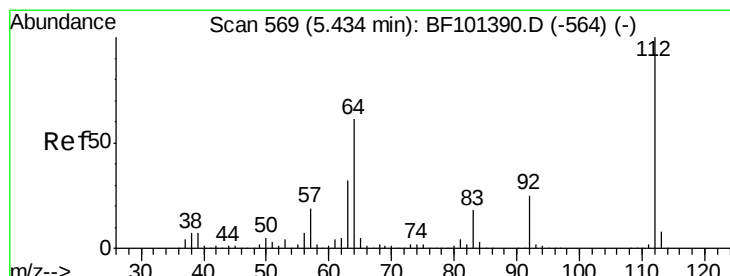
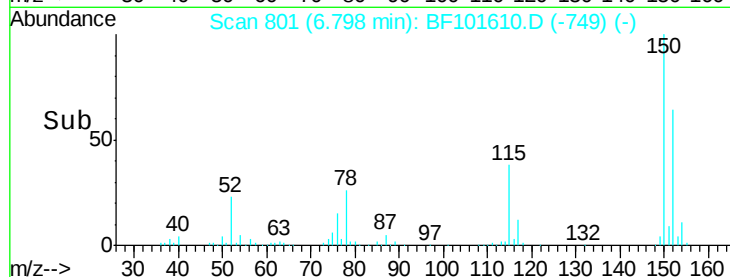
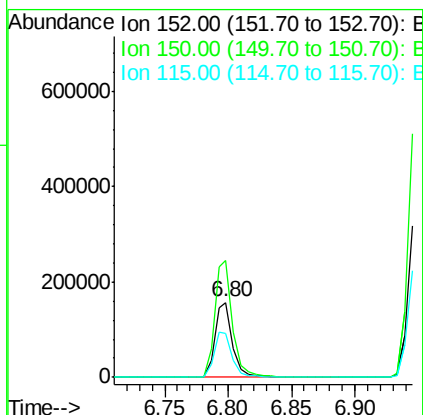
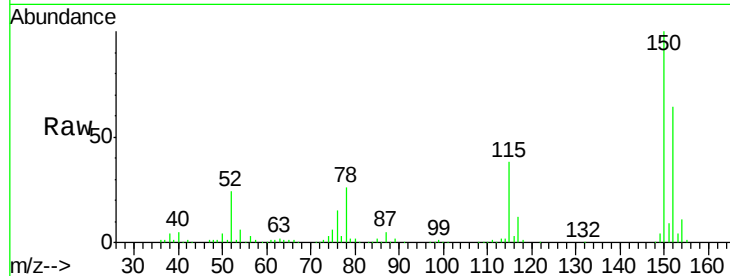


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101610.D
Acq: 21 Dec 2017 16:45

Instrument :
BNA_F
ClientSampleId :
MH-CONCRETE

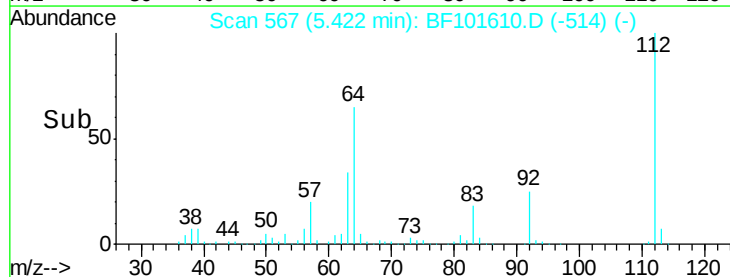
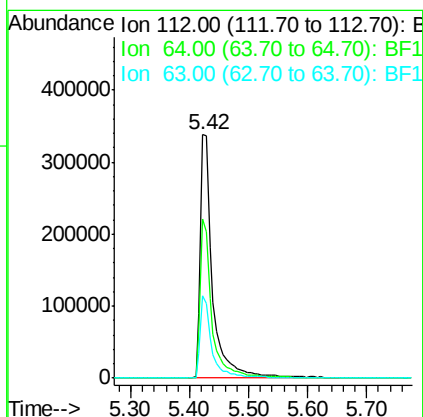
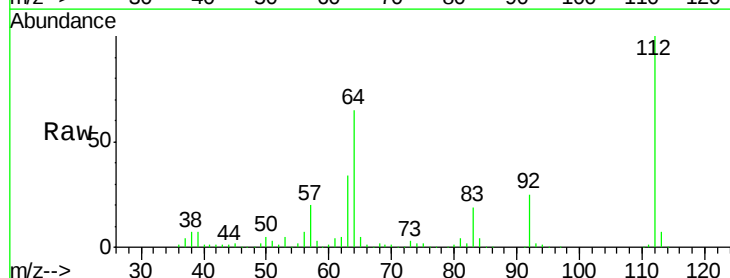
Tgt Ion:152 Resp: 154473
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 59.4 50.1 75.1

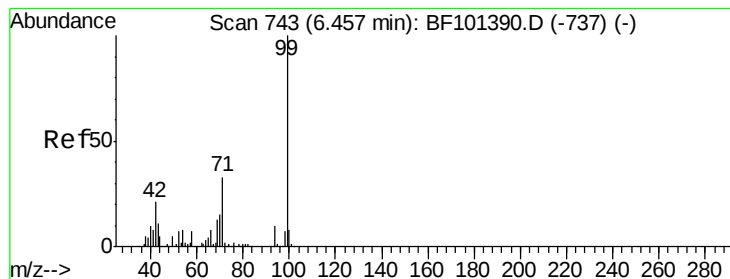


#5

2-Fluorophenol
Concen: 46.560 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF101610.D
Acq: 21 Dec 2017 16:45

Tgt Ion:112 Resp: 482841
Ion Ratio Lower Upper
112 100
64 65.4 47.9 71.9
63 33.6 23.7 35.5





#7

Phenol-d6

Concen: 83.895 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF101610.D

Acq: 21 Dec 2017 16:45

Instrument :

BNA_F

ClientSampleId :

MH-CONCRETE

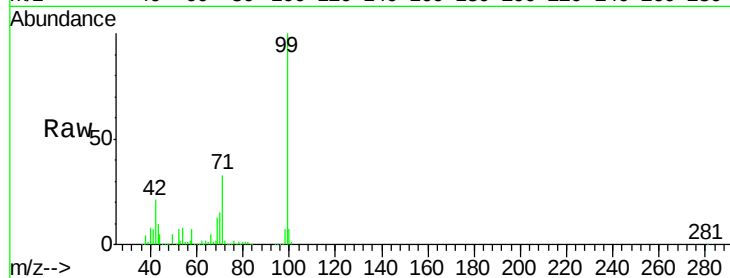
Tgt Ion: 99 Resp: 1082759

Ion Ratio Lower Upper

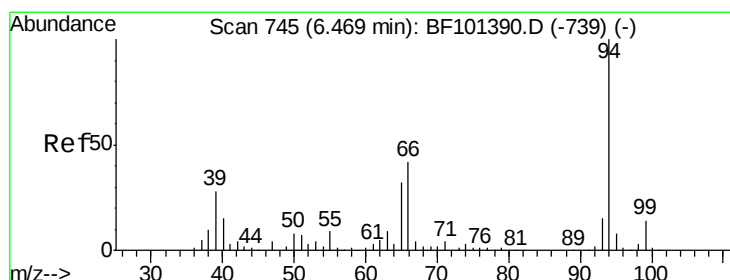
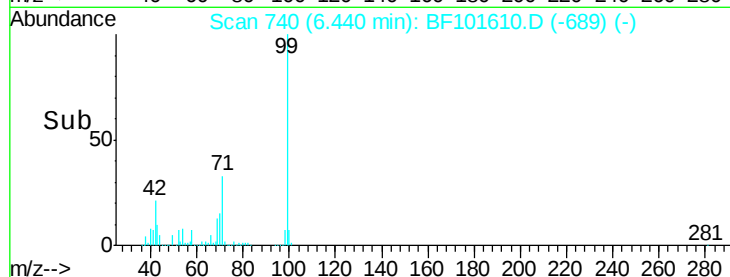
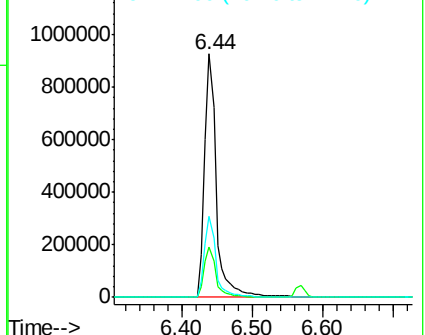
99 100

42 20.9 14.5 21.7

71 33.2 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



#10

Phenol

Concen: 3.000 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101610.D

Acq: 21 Dec 2017 16:45

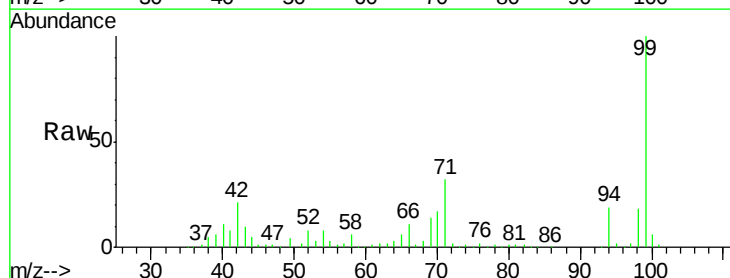
Tgt Ion: 94 Resp: 44124

Ion Ratio Lower Upper

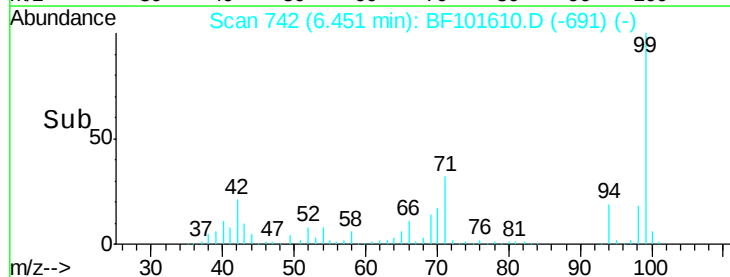
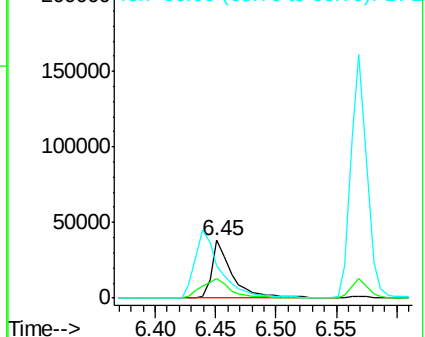
94 100

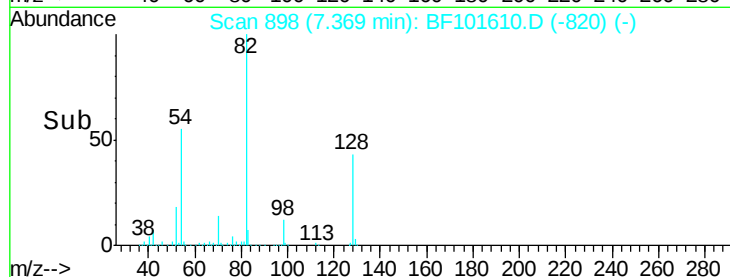
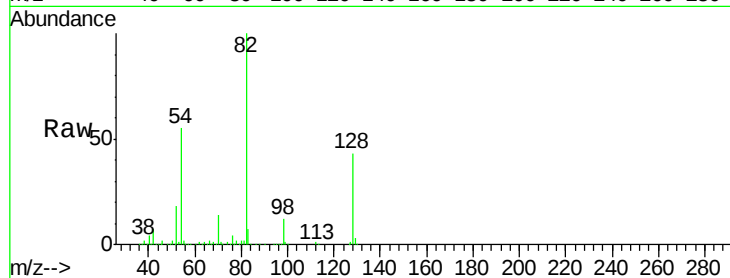
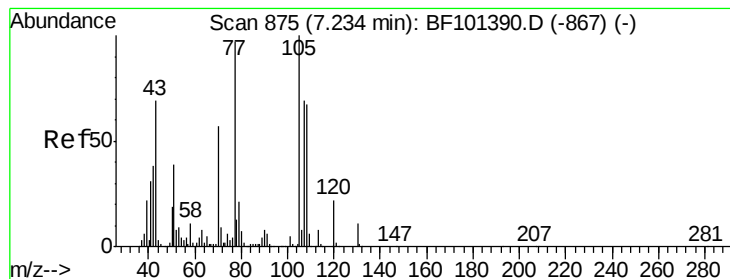
65 33.9 7.9 47.9

66 56.4 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: 15.784 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.16 min

Lab File: BF101610.D

Acq: 21 Dec 2017 16:45

Instrument :

BNA_F

ClientSampleId :

MH-CONCRETE

Tgt Ion: 70 Resp: 133779

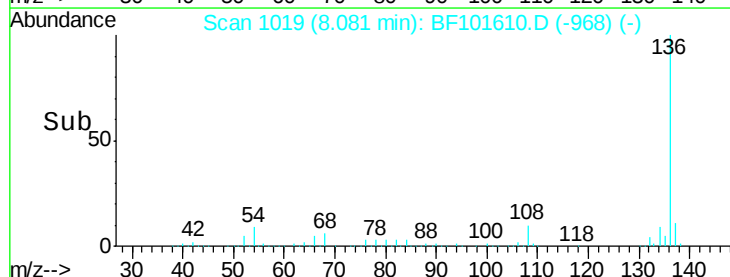
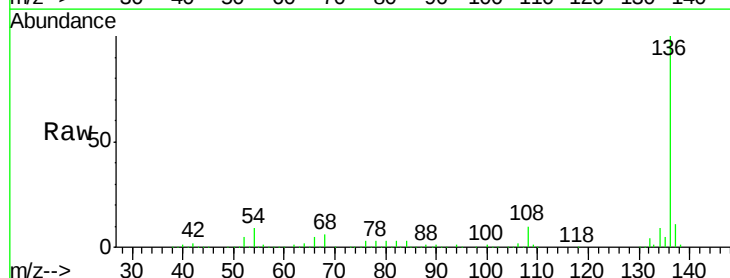
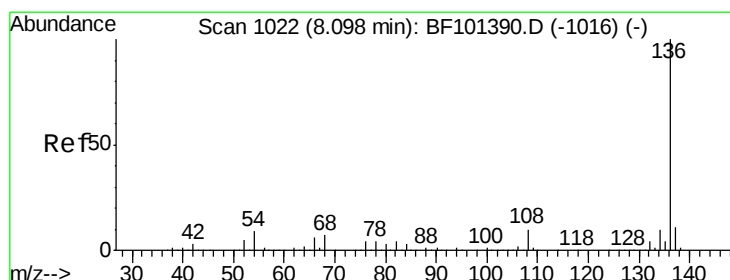
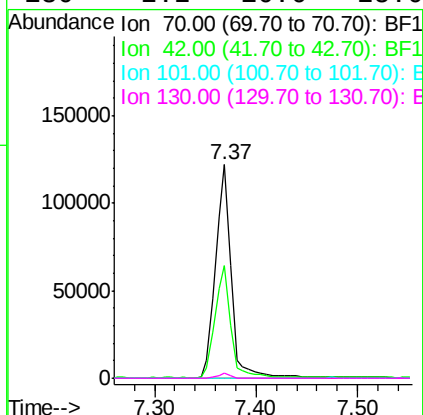
Ion Ratio Lower Upper

70 100

42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF101610.D

Acq: 21 Dec 2017 16:45

Tgt Ion:136 Resp: 603286

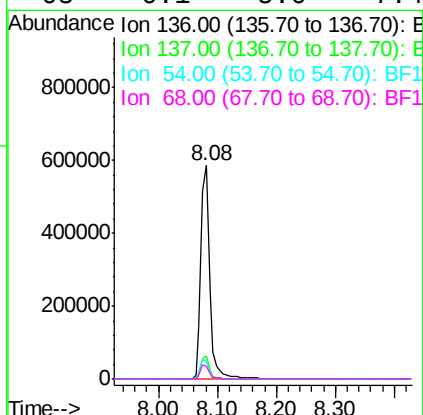
Ion Ratio Lower Upper

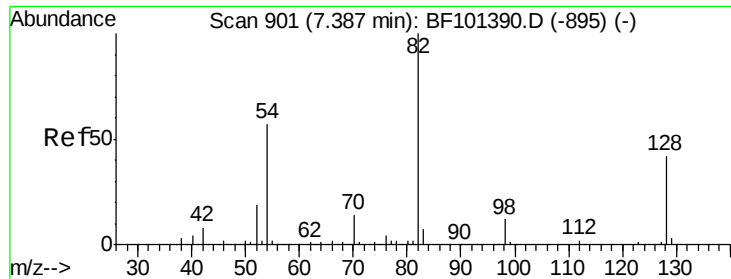
136 100

137 10.7 8.9 13.3

54 8.6 6.6 9.8

68 6.1 5.0 7.4

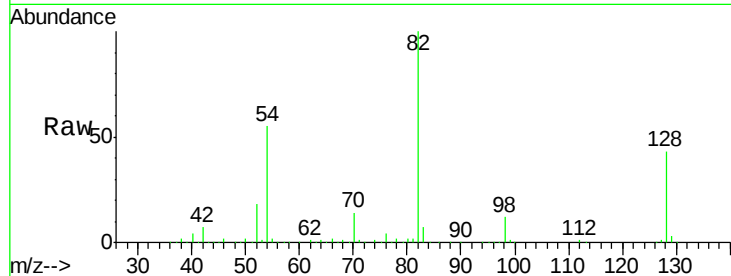




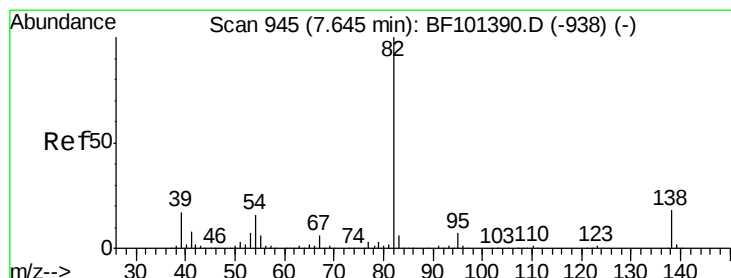
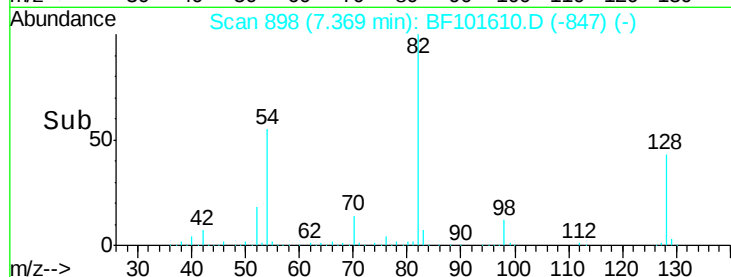
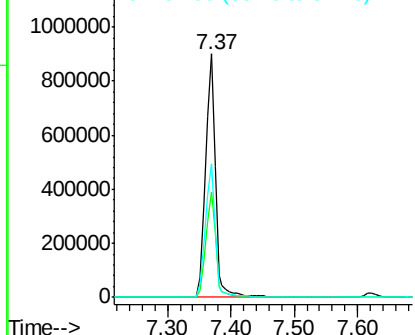
#23
 Nitrobenzene-d5
 Concen: 90.079 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF101610.D
 Acq: 21 Dec 2017 16:45

Instrument :
 BNA_F
 ClientSampleId :
 MH-CONCRETE

Tgt Ion: 82 Resp: 976248
 Ion Ratio Lower Upper
 82 100
 128 43.0 36.1 54.1
 54 55.0 41.4 62.2

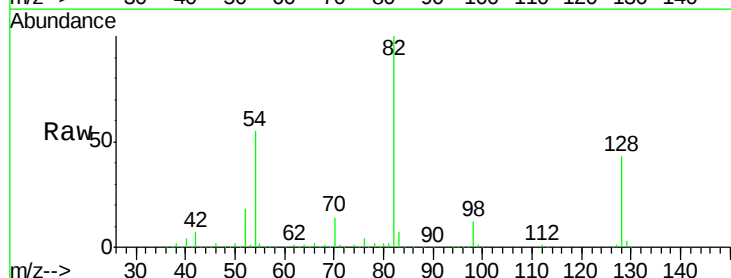


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

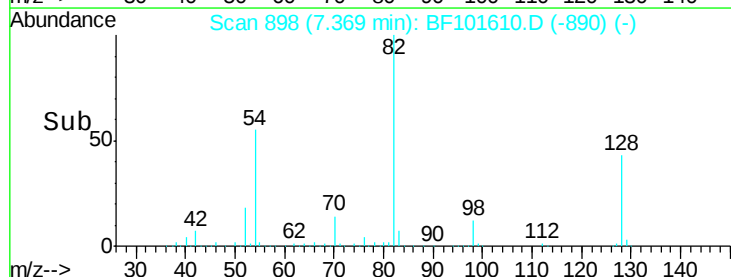
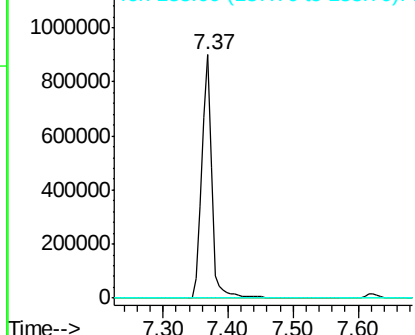


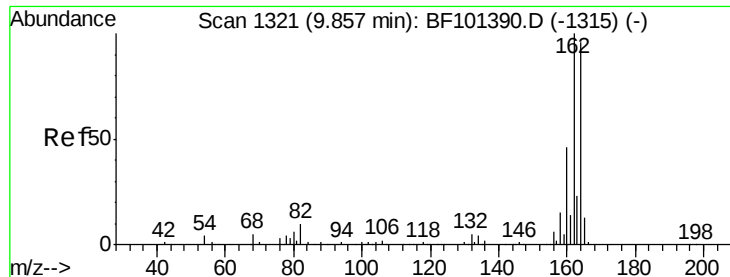
#25
 Isophorone
 Concen: 44.903 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.25 min
 Lab File: BF101610.D
 Acq: 21 Dec 2017 16:45

Tgt Ion: 82 Resp: 976242
 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

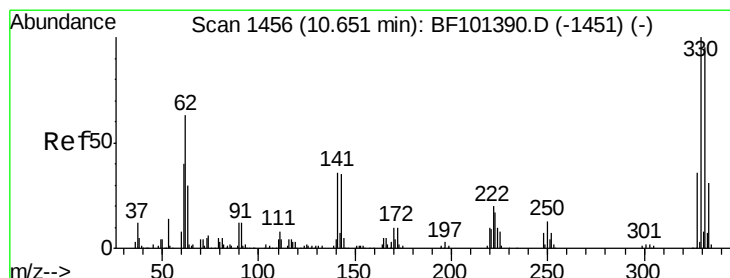
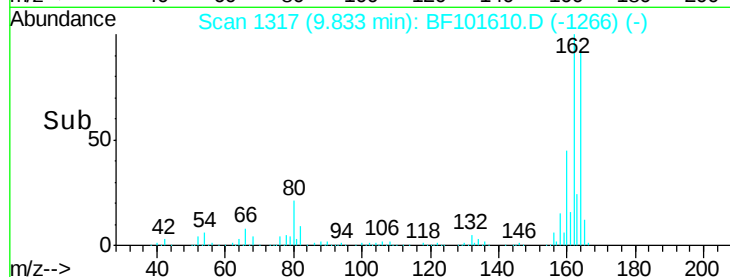
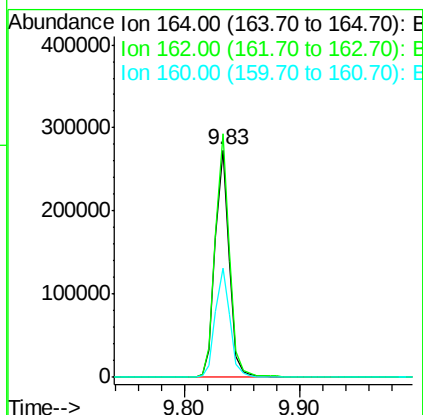
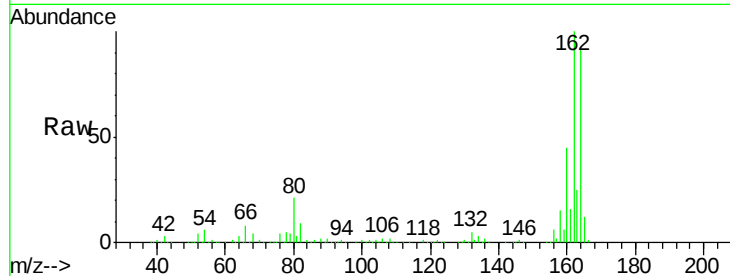




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF101610.D
 Acq: 21 Dec 2017 16:45

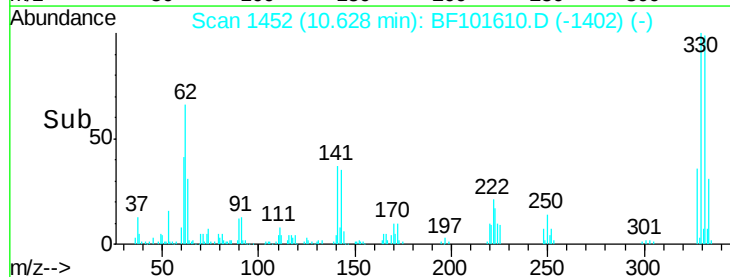
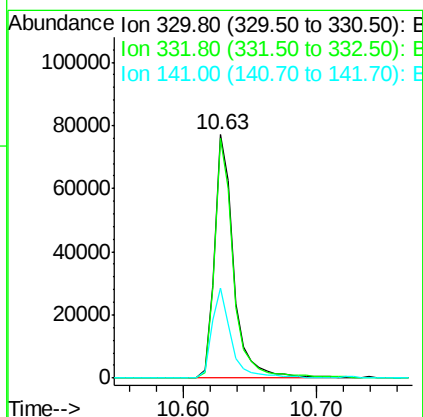
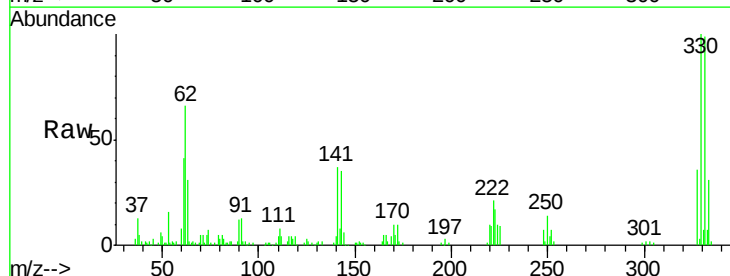
Instrument :
 BNA_F
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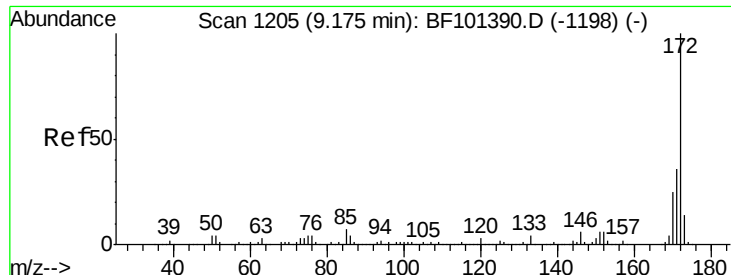
Tgt Ion:164 Resp: 233579
 Ion Ratio Lower Upper
 164 100
 162 107.0 86.1 129.1
 160 48.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 34.988 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101610.D
 Acq: 21 Dec 2017 16:45

Tgt Ion:330 Resp: 78747
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 37.1 29.9 44.9

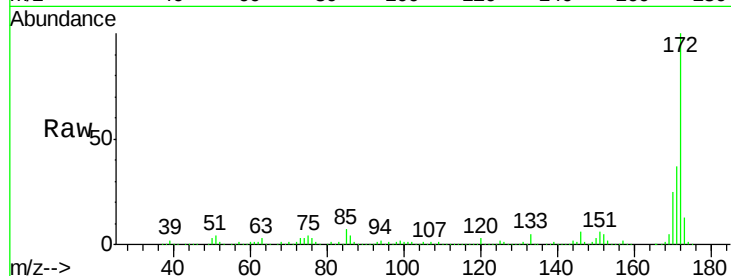




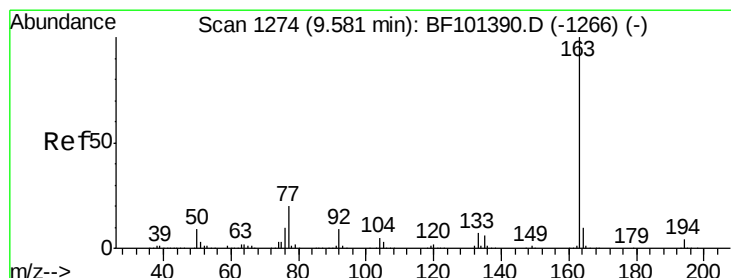
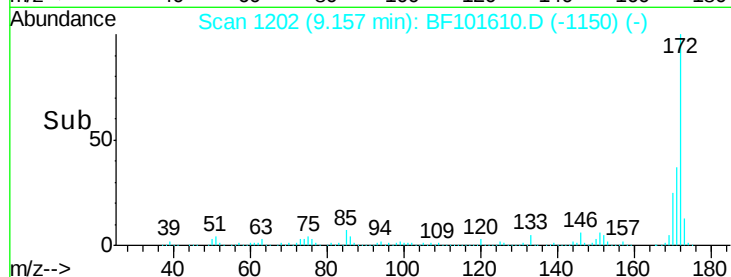
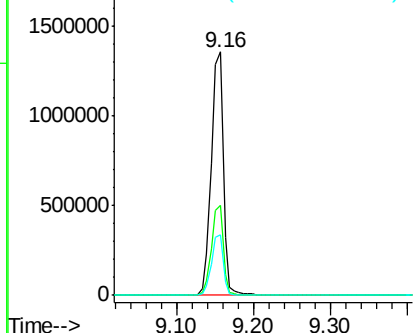
#44
 2-Fluorobiphenyl
 Concen: 96.867 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: BF101610.D
 Acq: 21 Dec 2017 16:45

Instrument :
 BNA_F
 ClientSampleId :
 MH-CONCRETE

Tgt Ion:172 Resp: 1458575
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 25.0 19.6 29.4

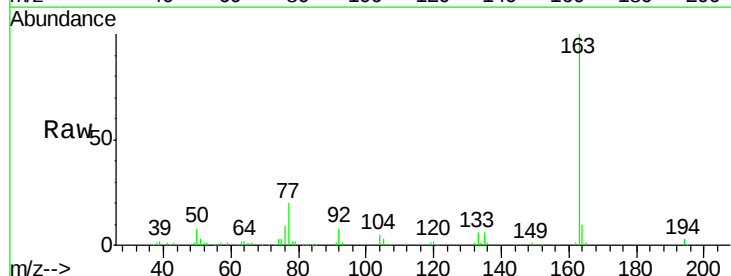


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

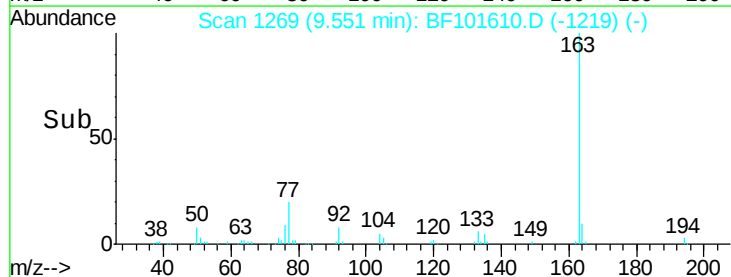
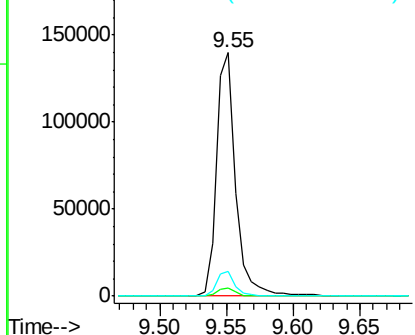


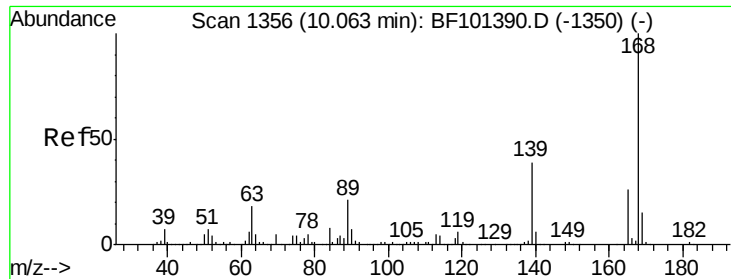
#49
 Dimethylphthalate
 Concen: 7.553 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF101610.D
 Acq: 21 Dec 2017 16:45

Tgt Ion:163 Resp: 141904
 Ion Ratio Lower Upper
 163 100
 194 3.5 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

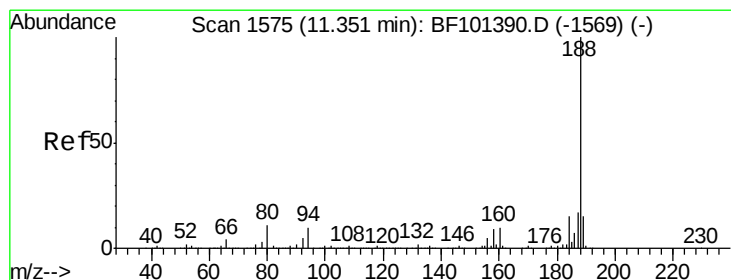
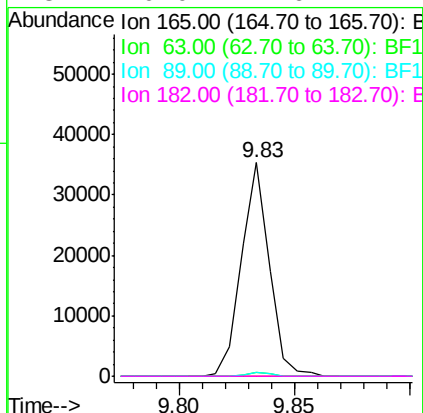
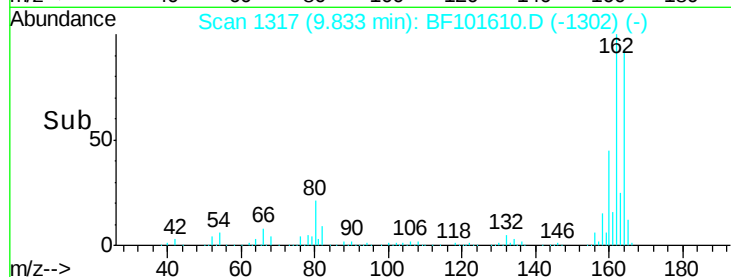
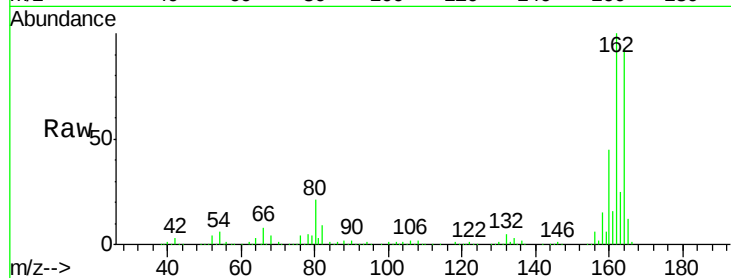




#56
2,4-Dinitrotoluene
Concen: 6.950 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.21 min
Lab File: BF101610.D
Acq: 21 Dec 2017 16:45

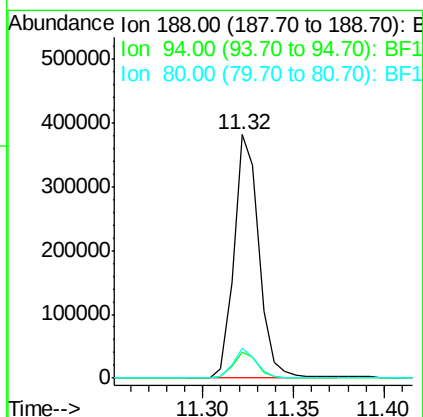
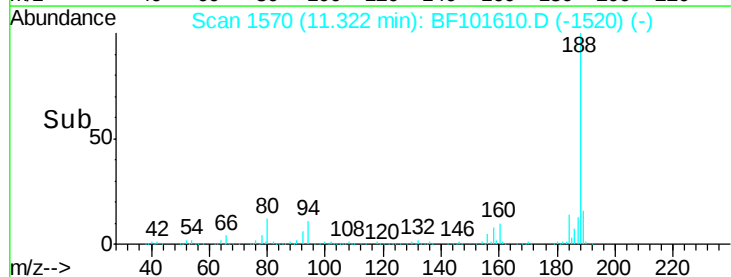
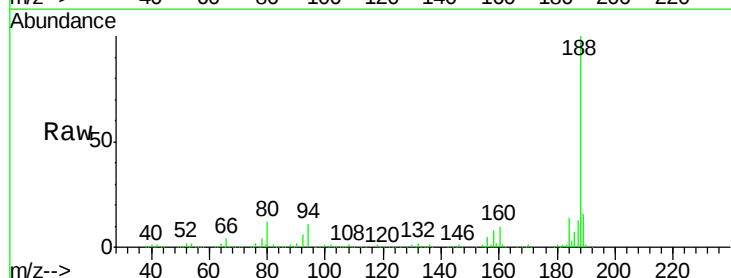
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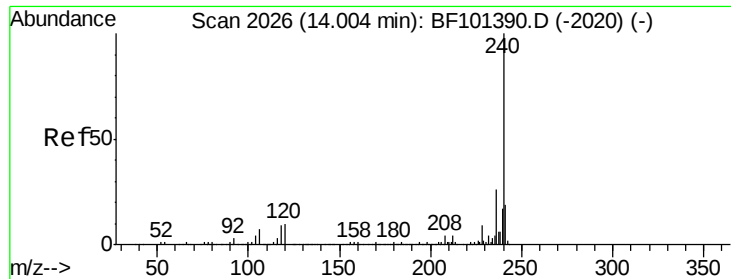
Tgt Ion:	165	Resp:	29900
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101610.D
Acq: 21 Dec 2017 16:45

Tgt Ion:	188	Resp:	365690
Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	12.1	9.2	13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF101610.D

Acq: 21 Dec 2017 16:45

Instrument :

BNA_F

ClientSampleId :

MH-CONCRETE

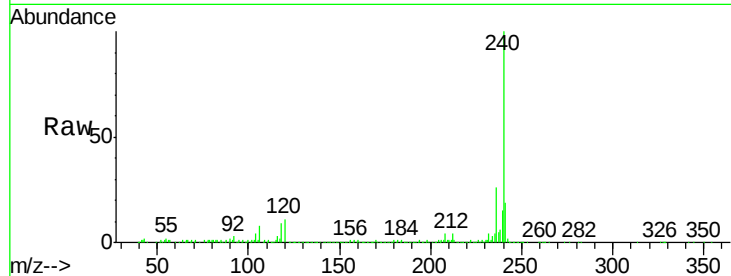
Tgt Ion:240 Resp: 305510

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

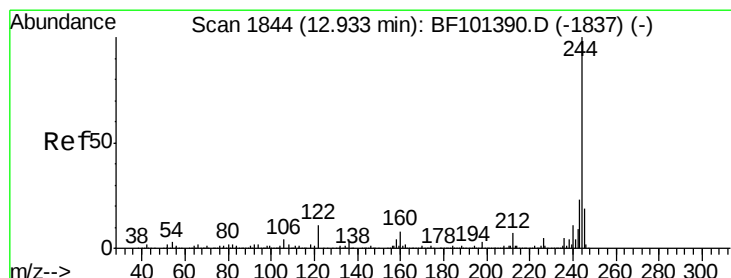
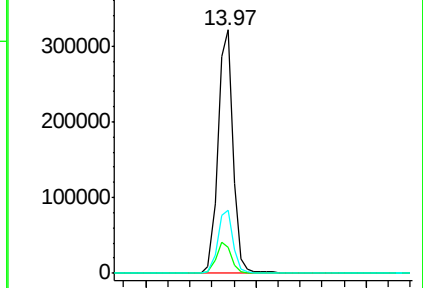
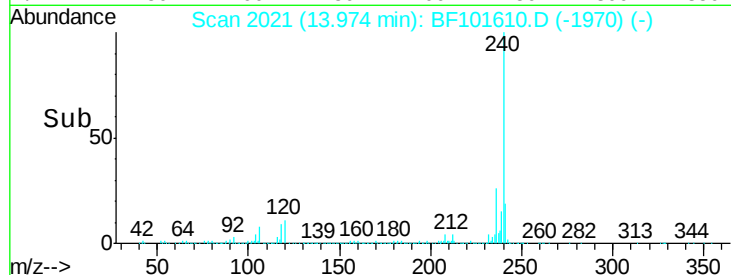
236 25.7 20.7 31.1



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: 84.583 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF101610.D

Acq: 21 Dec 2017 16:45

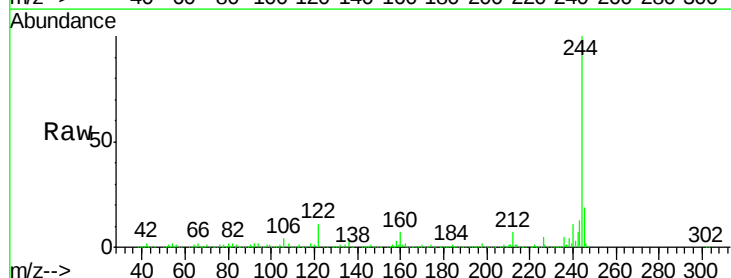
Tgt Ion:244 Resp: 1071896

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

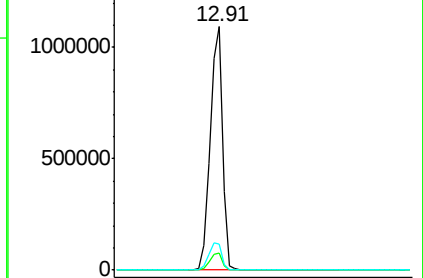
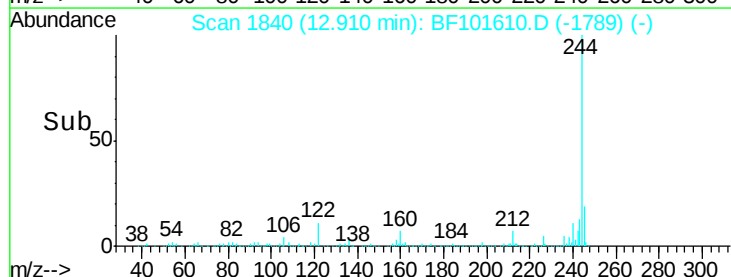
122 10.8 11.0 16.4#

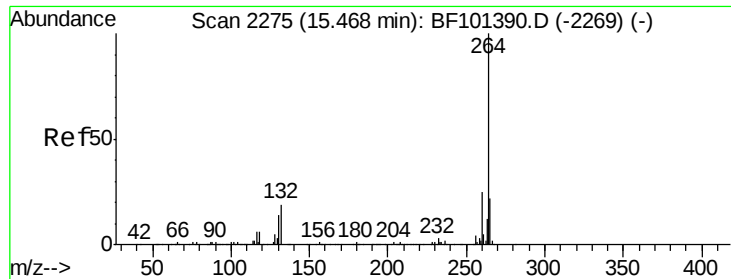


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

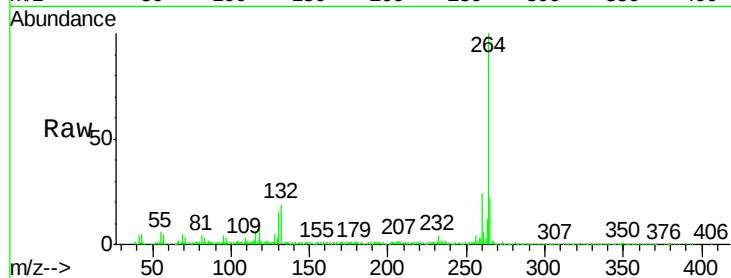




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101610.D
Acq: 21 Dec 2017 16:45

Instrument :
BNA_F
ClientSampleId :
MH-CONCRETE

Tgt Ion: 264 Resp: 265940
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.2 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

