

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
 Data File : BF083563.D
 Acq On : 7 Dec 2015 18:29
 Operator : UM/IZ
 Sample : G4569-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-CLAY-002

Quant Time: Dec 08 01:16:51 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

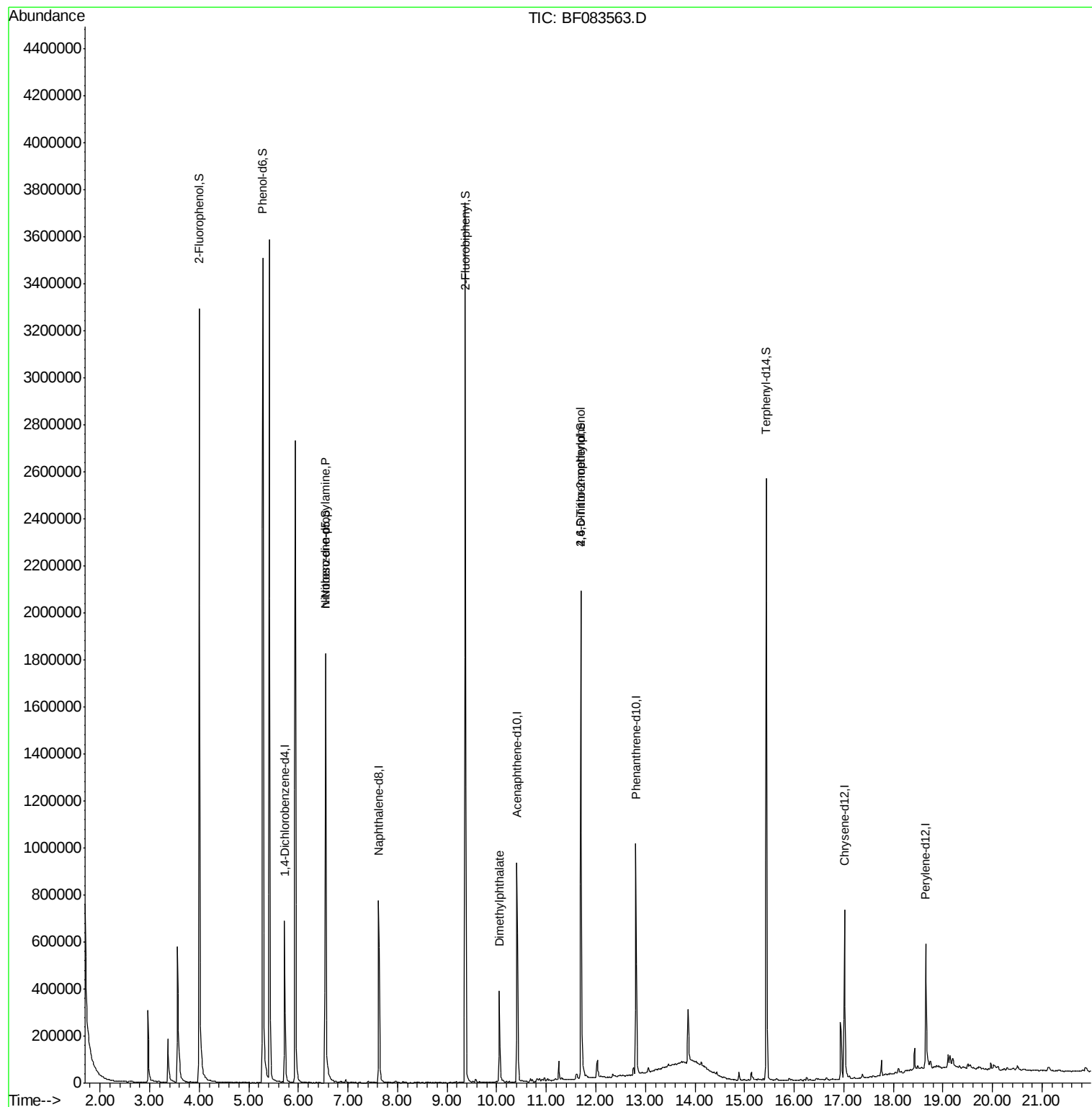
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.72	152	141793	20.00	ng	-0.05
21) Naphthalene-d8	7.62	136	563648	20.00	ng	-0.06
38) Acenaphthene-d10	10.41	164	276947	20.00	ng	-0.06
63) Phenanthrene-d10	12.81	188	518232	20.00	ng	-0.05
75) Chrysene-d12	17.01	240	380947	20.00	ng	-0.03
86) Perylene-d12	18.65	264	310943	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.00	112	1259806	134.79	ng	-0.03
7) Phenol-d6	5.29	99	1766495	137.18	ng	-0.03
23) Nitrobenzene-d5	6.54	82	1114874	92.46	ng	-0.06
41) 2,4,6-Tribromophenol	11.70	330	334853	131.07	ng	-0.06
44) 2-Fluorobiphenyl	9.37	172	1680293	82.29	ng	-0.06
78) Terphenyl-d14	15.44	244	1331747	77.79	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.54	70	143219	16.67	ng	# 82
49) Dimethylphthalate	10.05	163	215222	9.87	ng	97
64) 4,6-Dinitro-2-methylphenol	11.70	198	423	3.60	ng	# 1

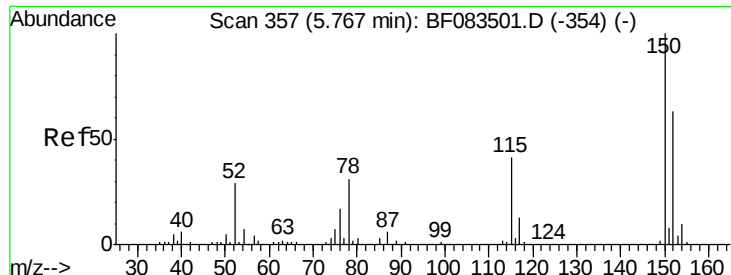
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 08 01:16:51 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
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QLast Update : Sat Dec 05 04:12:46 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.72 min Scan# 353

Delta R.T. -0.05 min

Lab File: BF083563.D

Acq: 7 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-002

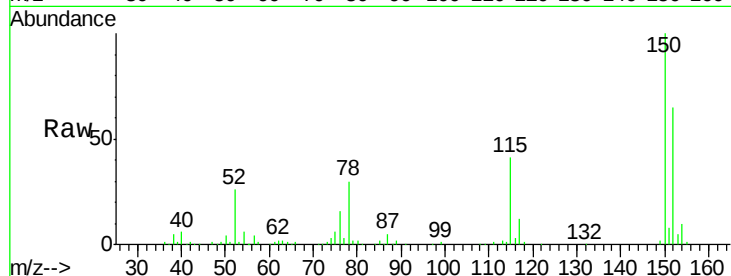
Tgt Ion:152 Resp: 141793

Ion Ratio Lower Upper

152 100

150 154.1 126.5 189.7

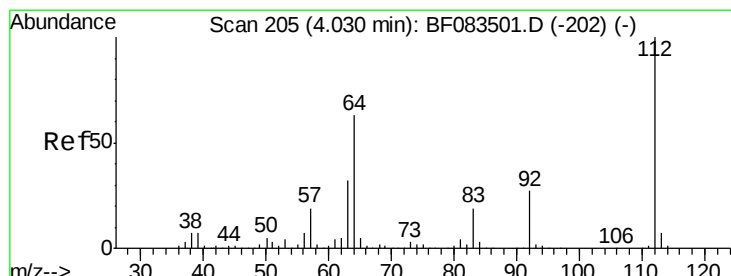
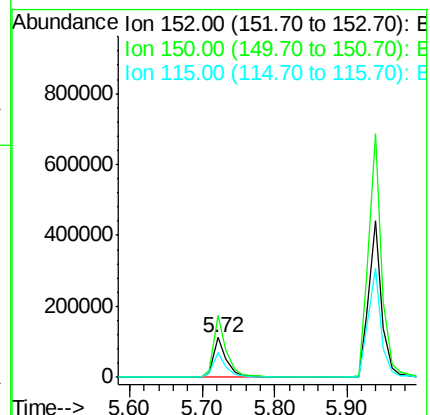
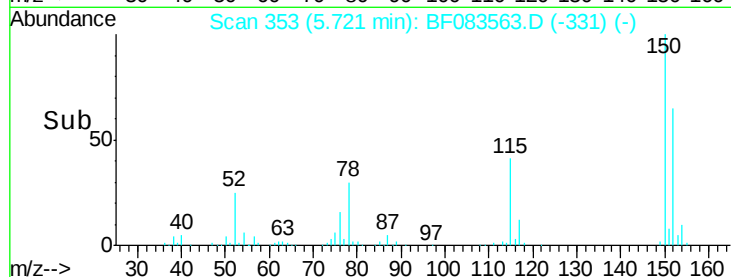
115 62.5 52.3 78.5



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: 134.79 ng

RT: 4.00 min Scan# 202

Delta R.T. -0.03 min

Lab File: BF083563.D

Acq: 7 Dec 2015 18:29

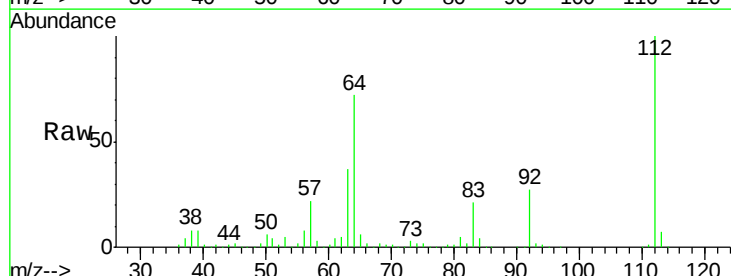
Tgt Ion:112 Resp: 1259806

Ion Ratio Lower Upper

112 100

64 72.5 50.5 75.7

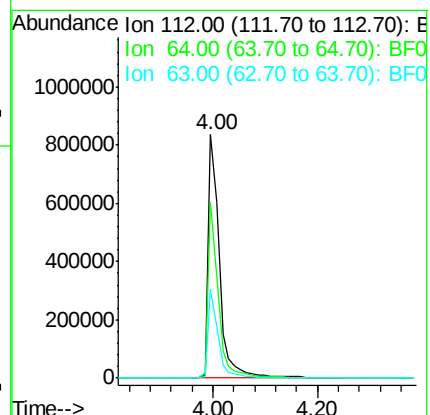
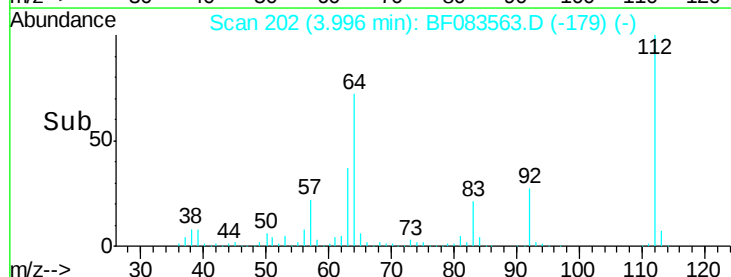
63 36.7 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.18 ng

RT: 5.29 min Scan# 315

Delta R.T. -0.03 min

Lab File: BF083563.D

Acq: 7 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-002

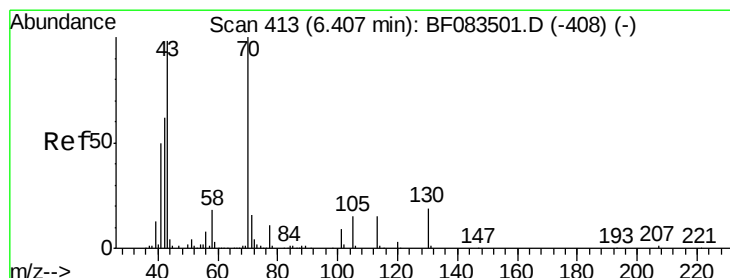
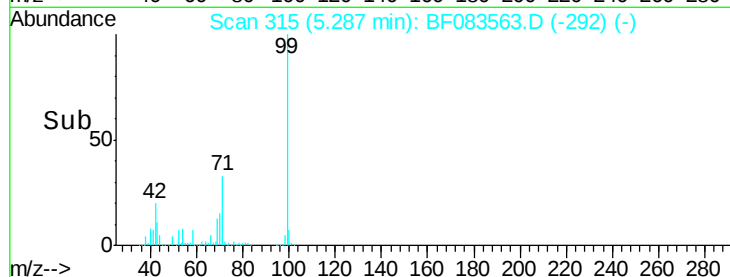
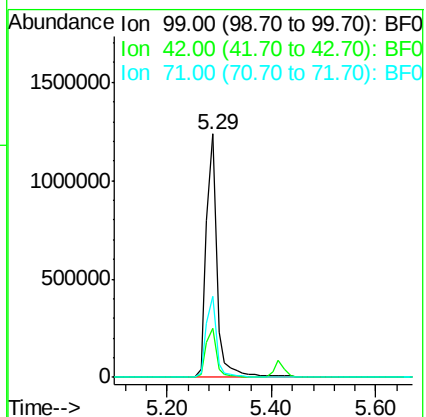
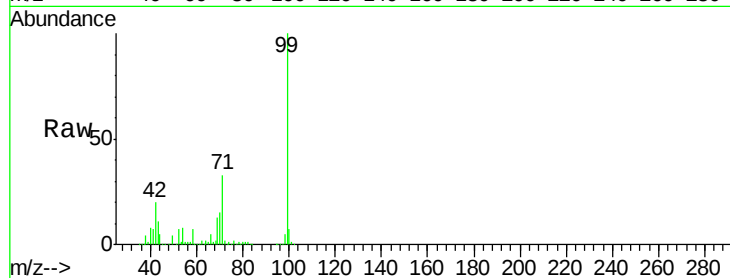
Tgt Ion: 99 Resp: 1766495

Ion Ratio Lower Upper

99 100

42 20.0 17.3 25.9

71 33.4 26.6 40.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.67 ng

RT: 6.54 min Scan# 425

Delta R.T. 0.14 min

Lab File: BF083563.D

Acq: 7 Dec 2015 18:29

Tgt Ion: 70 Resp: 143219

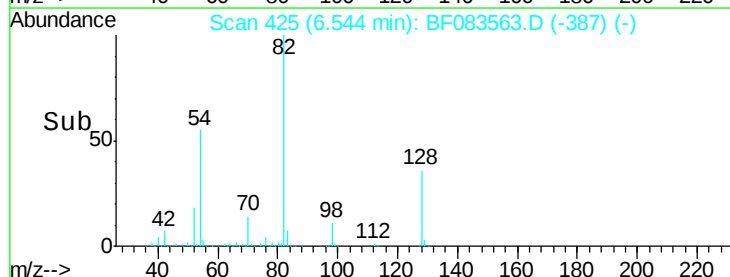
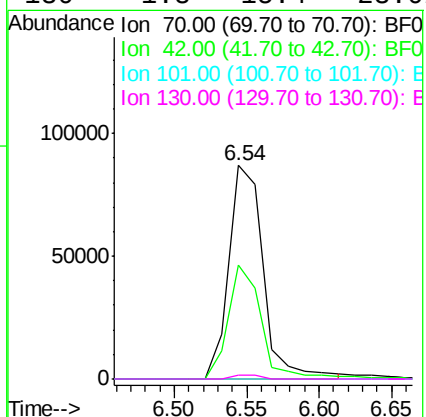
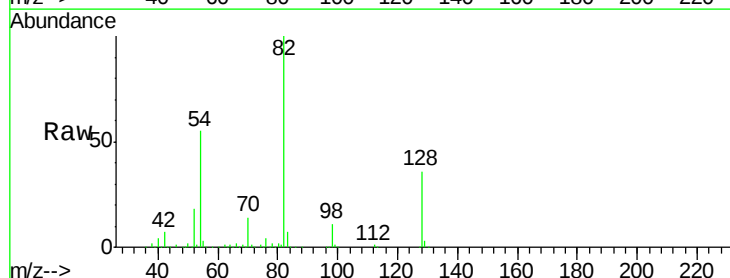
Ion Ratio Lower Upper

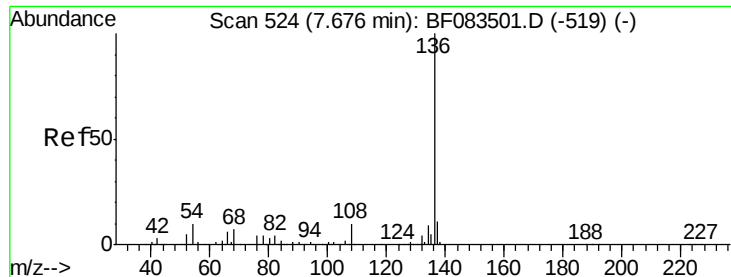
70 100

42 53.3 49.2 73.8

101 0.0 7.1 10.7#

130 1.8 15.4 23.0#

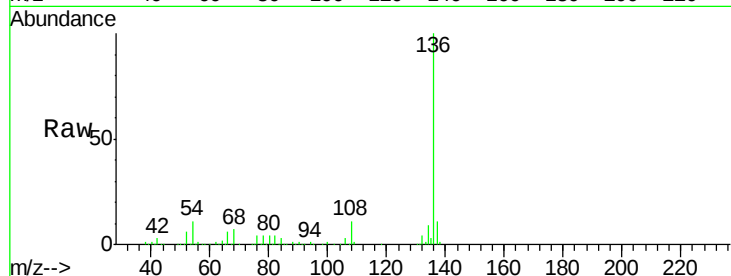




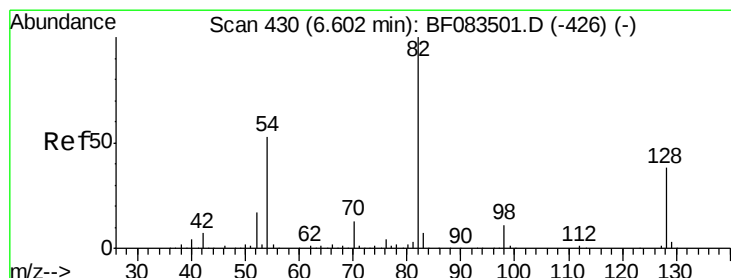
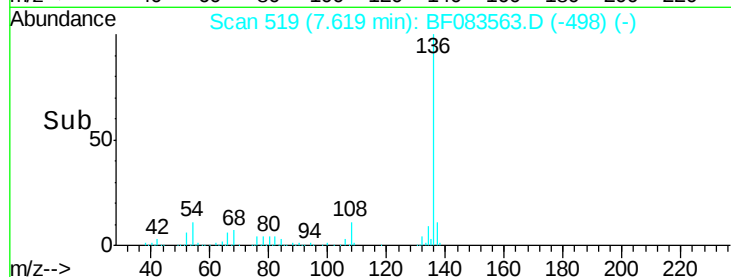
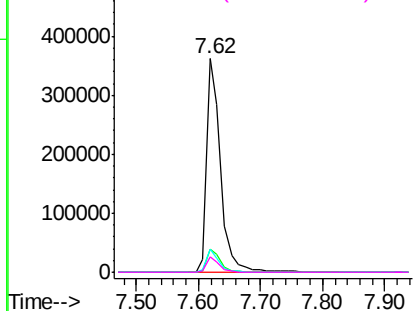
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.62 min Scan# 519
Delta R.T. -0.06 min
Lab File: BF083563.D
Acq: 7 Dec 2015 18:29

Instrument :
BNA_F
ClientSampleId :
IM-CLAY-002

Tgt Ion:	136	Resp:	563648
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.0	7.8	11.6
68	7.4	5.7	8.5

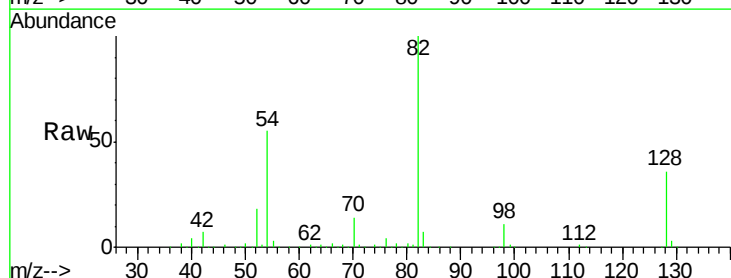


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

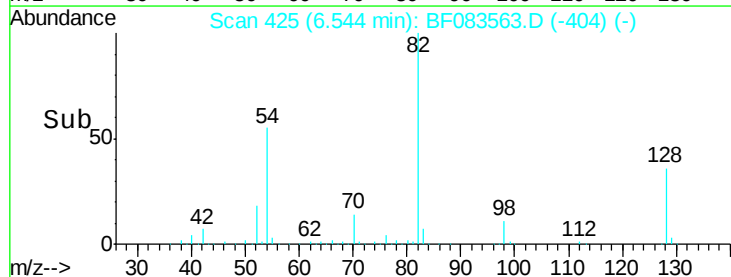
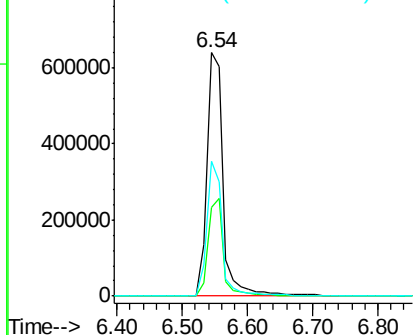


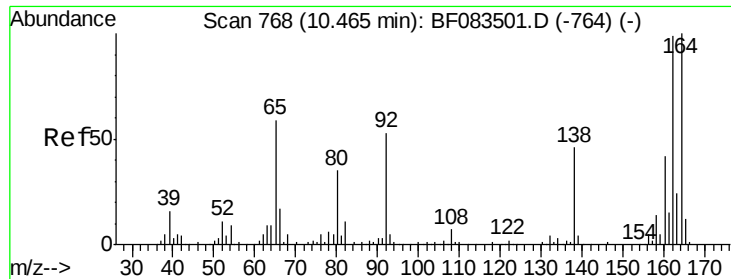
#23
Nitrobenzene-d5
Concen: 92.46 ng
RT: 6.54 min Scan# 425
Delta R.T. -0.06 min
Lab File: BF083563.D
Acq: 7 Dec 2015 18:29

Tgt Ion:	82	Resp:	1114874
Ion	Ratio	Lower	Upper
82	100		
128	36.4	30.7	46.1
54	55.2	42.5	63.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

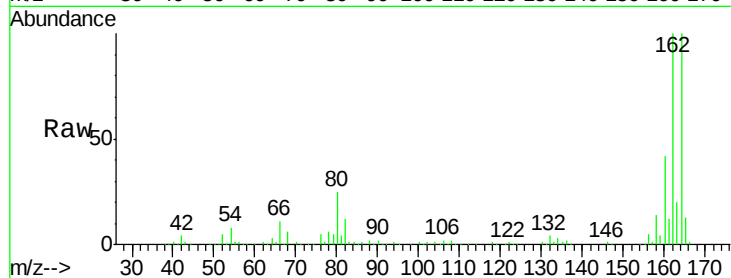




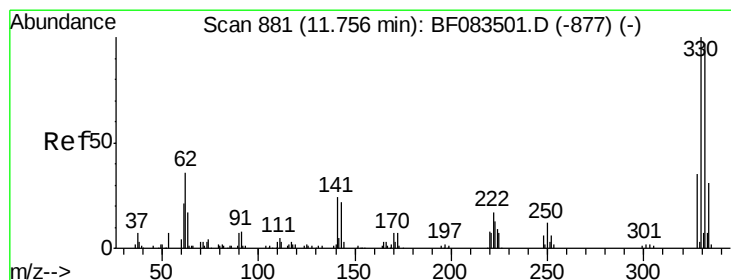
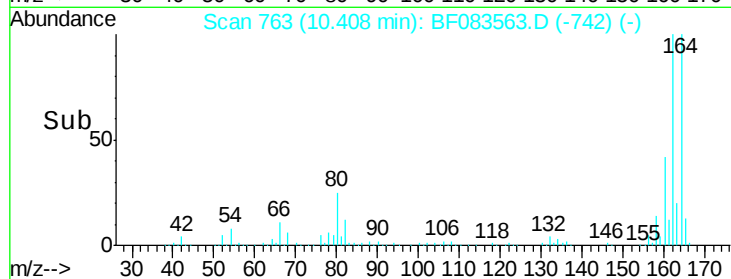
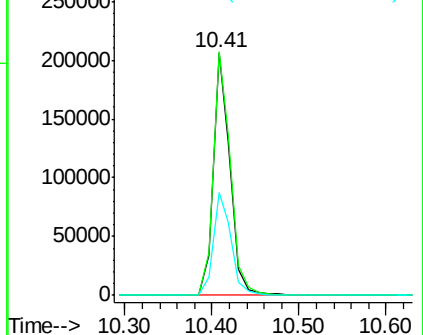
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.41 min Scan# 763
Delta R.T. -0.06 min
Lab File: BF083563.D
Acq: 7 Dec 2015 18:29

Instrument :
BNA_F
ClientSampleId :
IM-CLAY-002

Tgt Ion:164 Resp: 276947
Ion Ratio Lower Upper
164 100
162 100.3 78.8 118.2
160 42.6 33.4 50.2

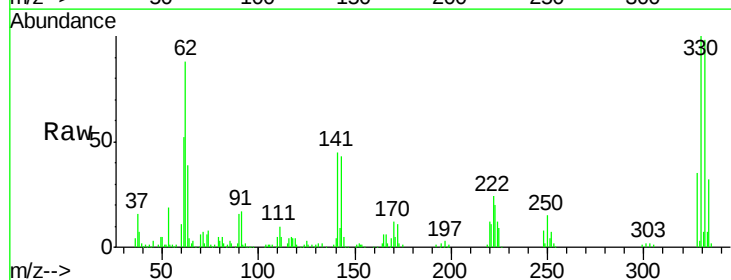


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

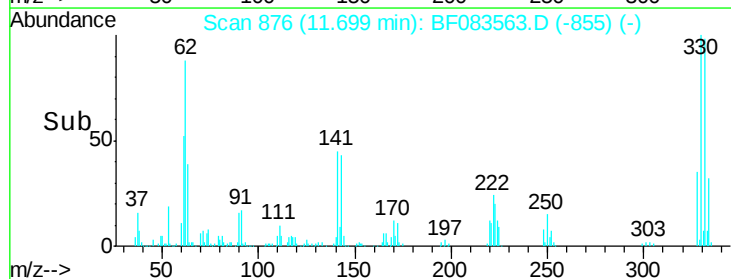
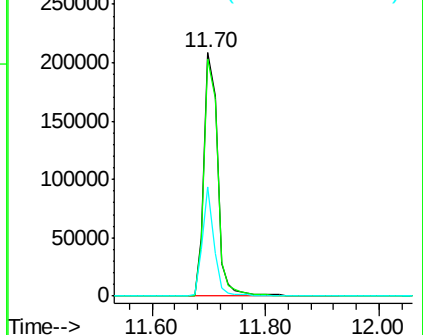


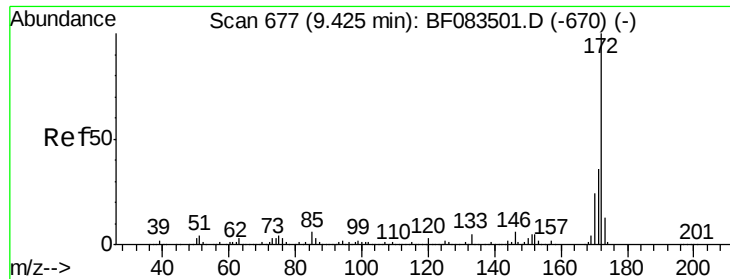
#41
2,4,6-Tribromophenol
Concen: 131.07 ng
RT: 11.70 min Scan# 876
Delta R.T. -0.06 min
Lab File: BF083563.D
Acq: 7 Dec 2015 18:29

Tgt Ion:330 Resp: 334853
Ion Ratio Lower Upper
330 100
332 98.0 0.0 0.0#
141 38.3 0.0 0.0#



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: 82.29 ng

RT: 9.37 min Scan# 672

Delta R.T. -0.06 min

Lab File: BF083563.D

Acq: 7 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-002

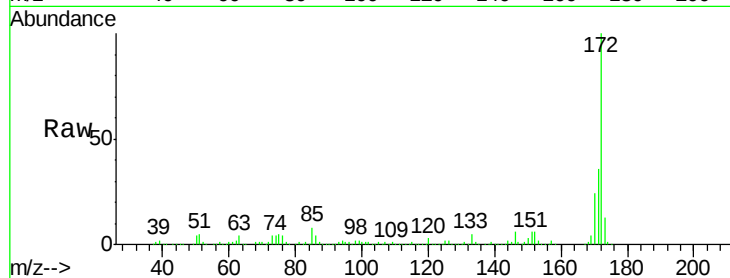
Tgt Ion:172 Resp: 1680293

Ion Ratio Lower Upper

172 100

171 35.9 28.6 42.8

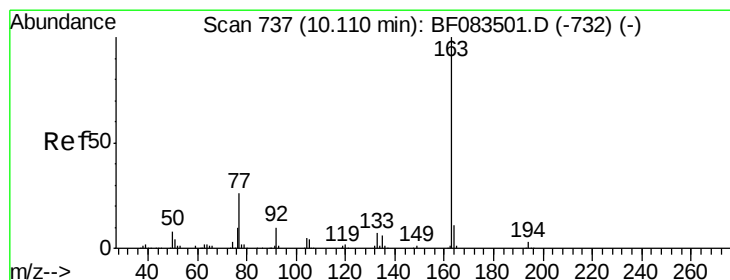
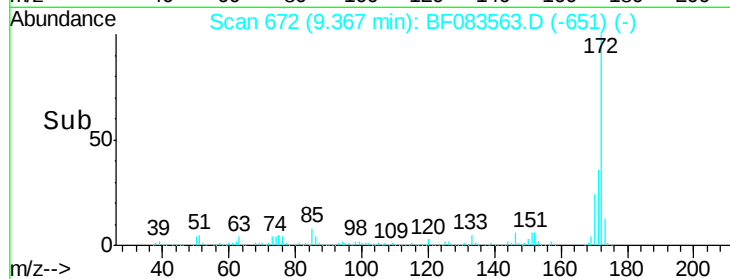
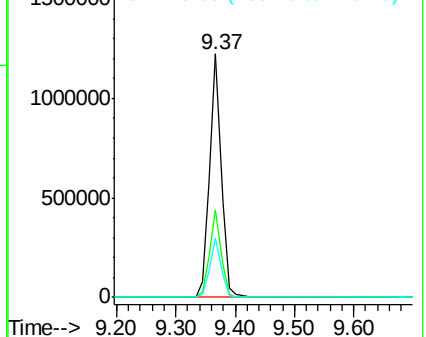
170 24.3 19.4 29.0



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: 9.87 ng

RT: 10.05 min Scan# 732

Delta R.T. -0.06 min

Lab File: BF083563.D

Acq: 7 Dec 2015 18:29

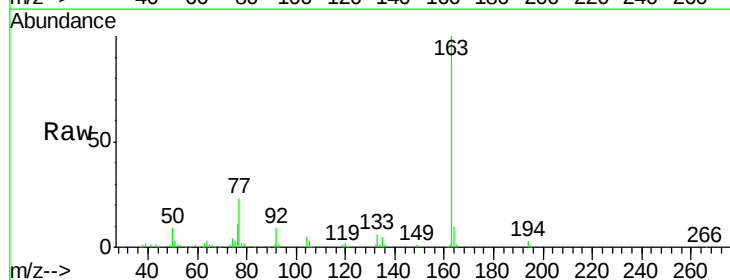
Tgt Ion:163 Resp: 215222

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

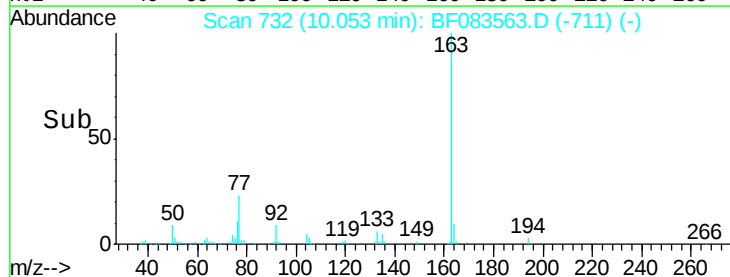
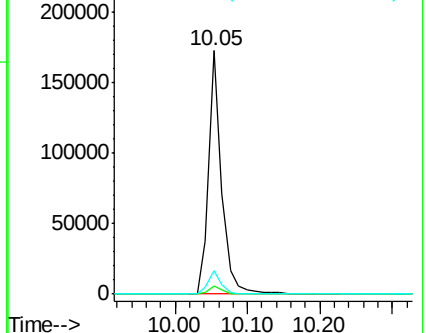
164 9.6 8.6 13.0

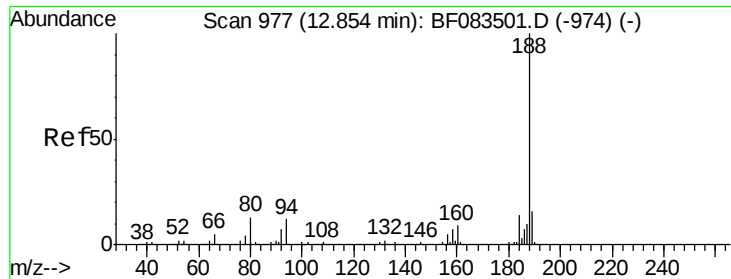


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

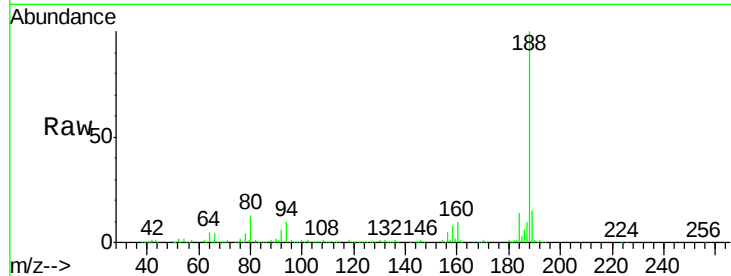




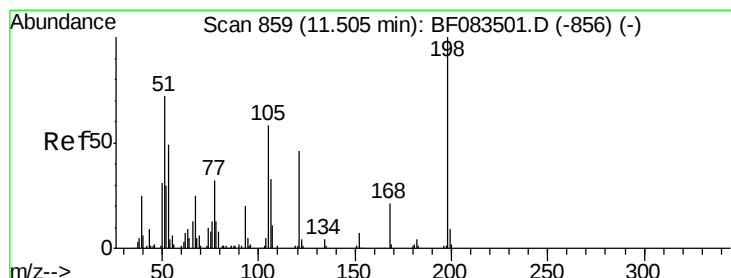
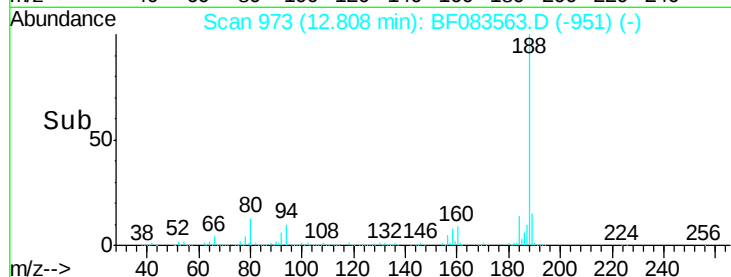
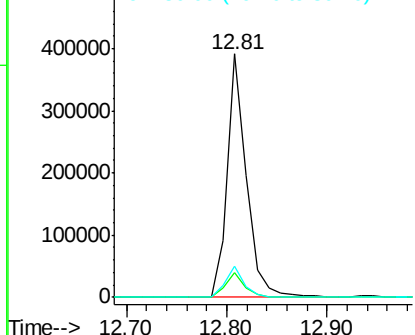
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.81 min Scan# 973
Delta R.T. -0.05 min
Lab File: BF083563.D
Acq: 7 Dec 2015 18:29

Instrument :
BNA_F
ClientSampleId :
IM-CLAY-002

Tgt Ion:188 Resp: 518232
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 12.6 10.6 16.0

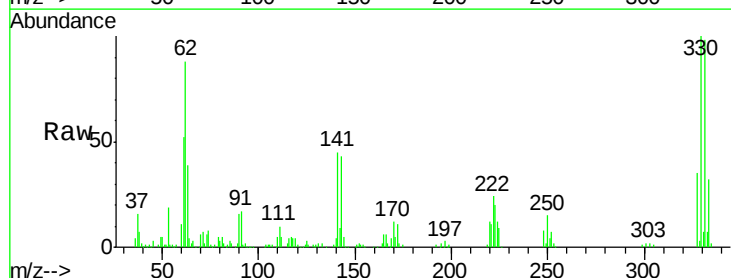


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

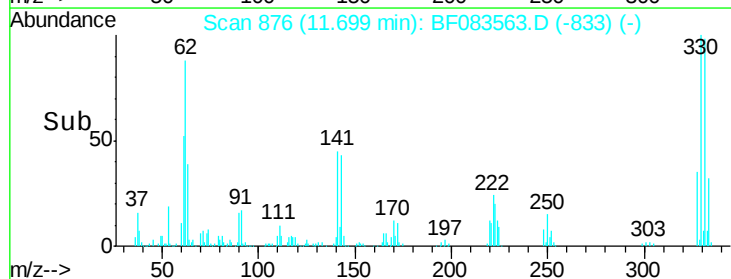
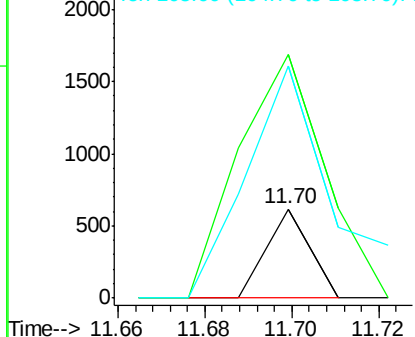


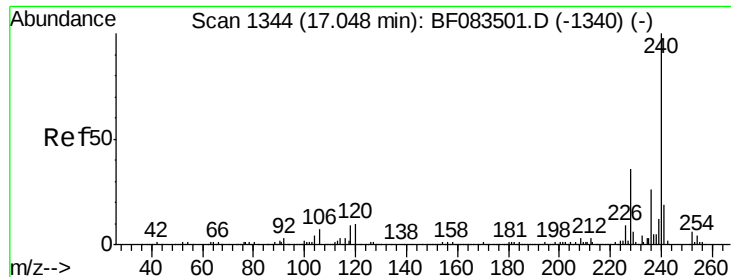
#64
4,6-Dinitro-2-methylphenol
Concen: 3.60 ng
RT: 11.70 min Scan# 876
Delta R.T. 0.20 min
Lab File: BF083563.D
Acq: 7 Dec 2015 18:29

Tgt Ion:198 Resp: 423
Ion Ratio Lower Upper
198 100
51 273.4 53.8 93.8#
105 260.9 38.6 78.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BF083563.D

Acq: 7 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

IM-CLAY-002

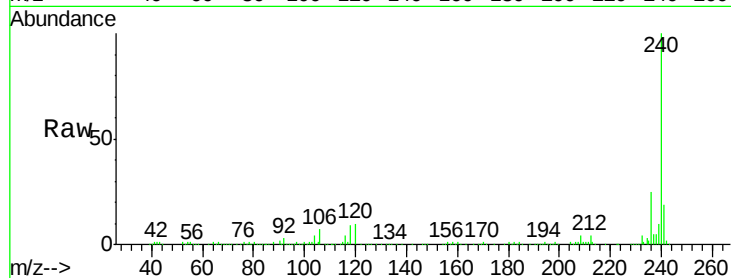
Tgt Ion:240 Resp: 380947

Ion Ratio Lower Upper

240 100

120 10.4 8.1 12.1

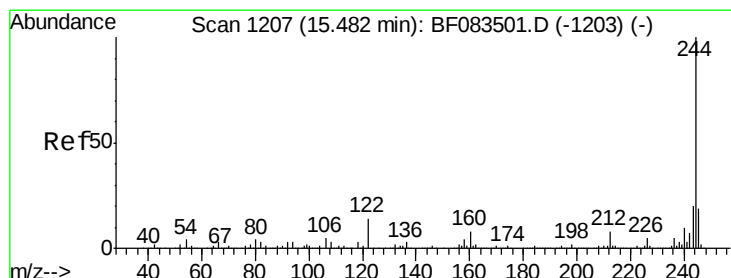
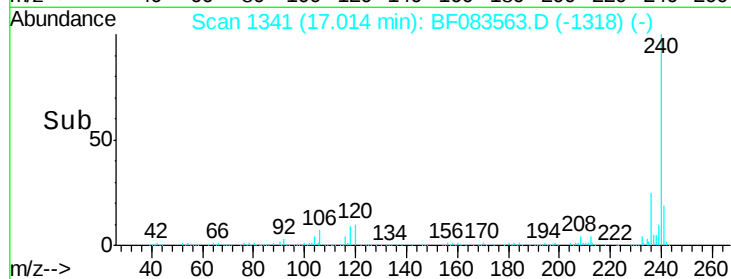
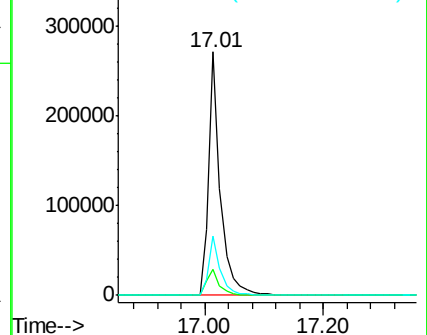
236 24.6 20.8 31.2



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: 77.79 ng

RT: 15.44 min Scan# 1203

Delta R.T. -0.05 min

Lab File: BF083563.D

Acq: 7 Dec 2015 18:29

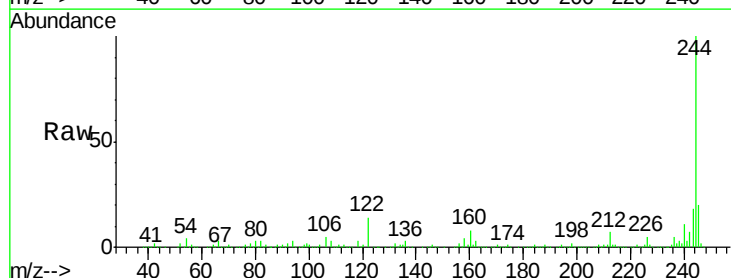
Tgt Ion:244 Resp: 1331747

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

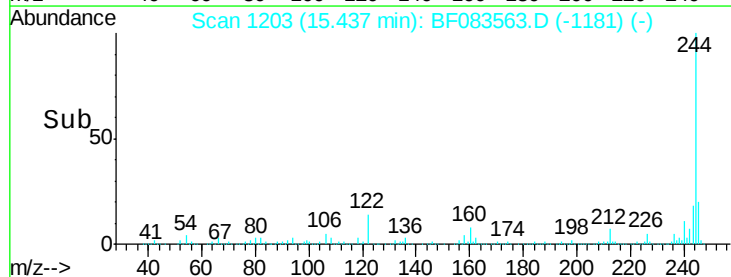
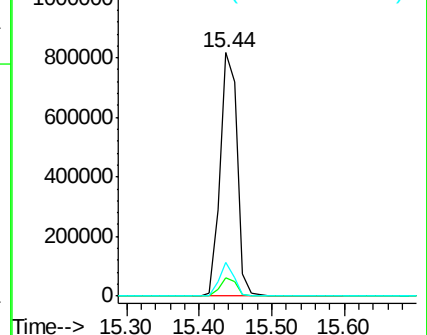
122 13.8 11.0 16.6

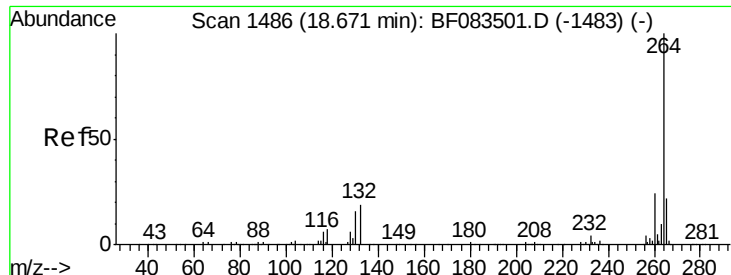


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

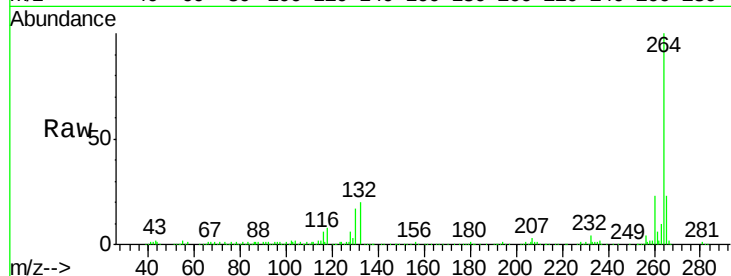




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF083563.D
Acq: 7 Dec 2015 18:29

Instrument :
BNA_F
ClientSampleId :
IM-CLAY-002

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	23.0	17.8	26.6



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

