

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111915\
 Data File : BF083067.D
 Acq On : 20 Nov 2015 7:19
 Operator : UM/IZ
 Sample : G4458-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SES-EFFLUENT-MS-1

Quant Time: Nov 20 08:08:09 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	106740	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	398732	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	211541	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	429265	20.00	ng	0.00
75) Chrysene-d12	13.85	240	402346	20.00	ng	-0.01
86) Perylene-d12	15.23	264	294867	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	5984	0.87	ng	0.01
7) Phenol-d6	6.34	99	619	0.07	ng	-0.01
23) Nitrobenzene-d5	7.26	82	675893	77.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	29920	13.32	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1193527	75.99	ng	-0.01
78) Terphenyl-d14	12.81	244	1134739	66.58	ng	0.00

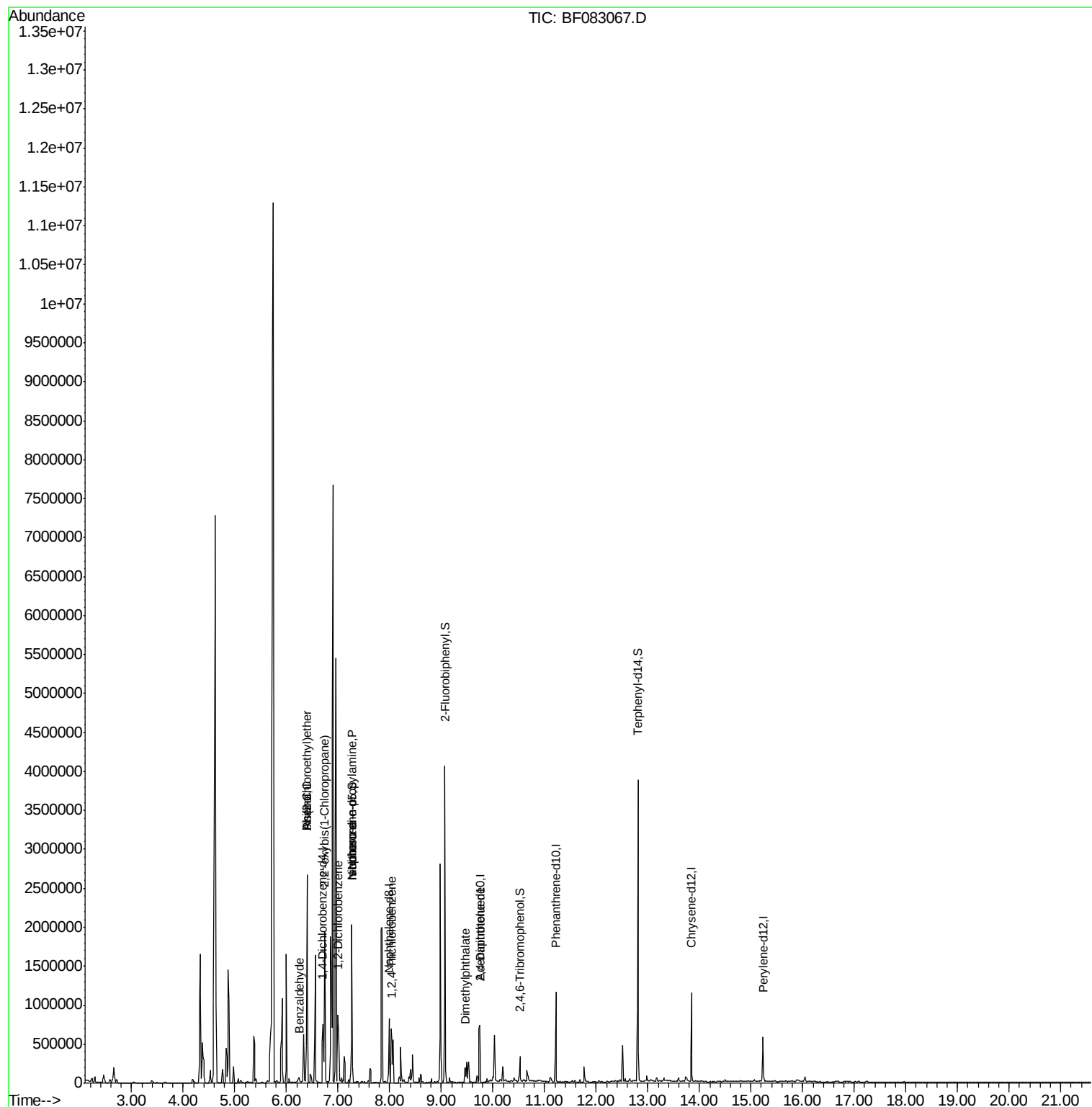
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.40	93	704021	56.87	ng	# 28
9) Benzaldehyde	6.25	77	17210	2.28	ng	# 23
10) Phenol	6.40	94	29226	2.77	ng	# 8
11) bis(2-Chloroethyl)ether	6.40	93	704021	91.87	ng	# 39
14) 1,2-Dichlorobenzene	7.00	146	334758	41.69	ng	# 47
16) 2,2'-oxybis(1-Chloropropan	6.74	45	539443	45.16	ng	87
19) n-Nitroso-di-n-propylamine	7.26	70	91650	13.86	ng	# 76
25) Isophorone	7.26	82	541424	32.96	ng	# 69
30) 1,2,4-Trichlorobenzene	8.04	180	158280	23.22	ng	# 62
49) Dimethylphthalate	9.47	163	91647	5.26	ng	# 97
56) 2,4-Dinitrotoluene	9.74	165	25957	5.17	ng	# 21

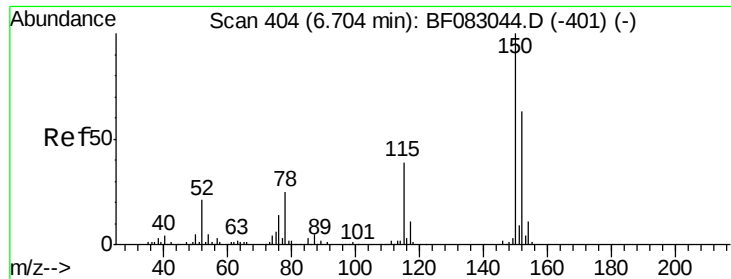
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SES-EFFLUENT-MS-1

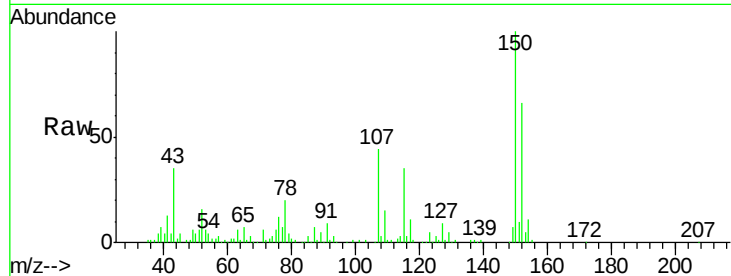
Tgt Ion:152 Resp: 106740

Ion Ratio Lower Upper

152 100

150 150.6 126.4 189.6

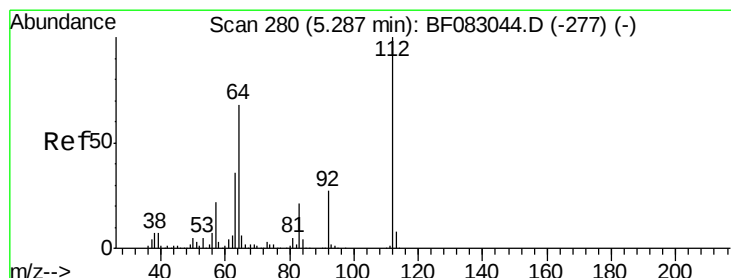
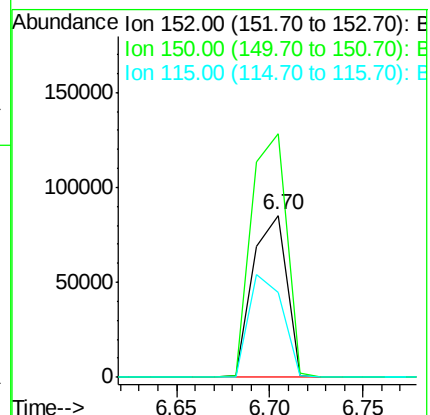
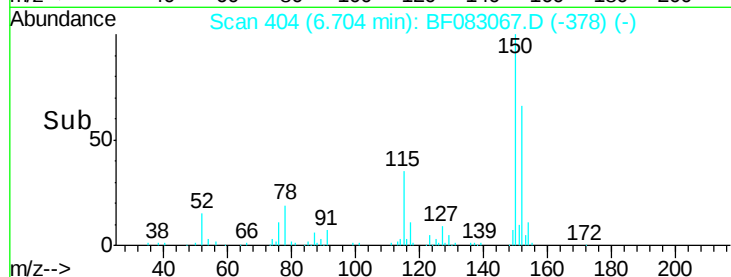
115 52.3 49.0 73.6



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: 0.87 ng

RT: 5.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

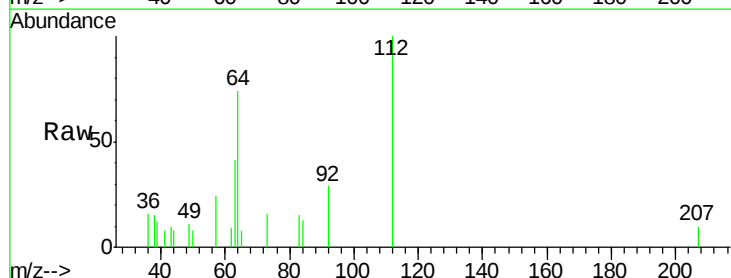
Tgt Ion:112 Resp: 5984

Ion Ratio Lower Upper

112 100

64 74.0 54.8 82.2

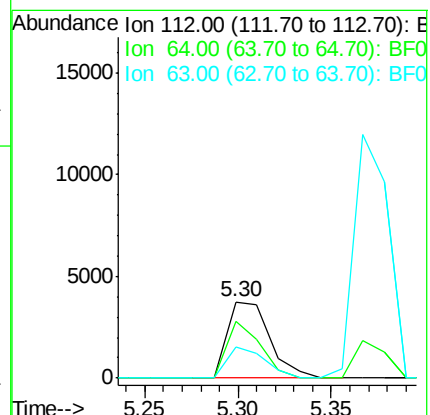
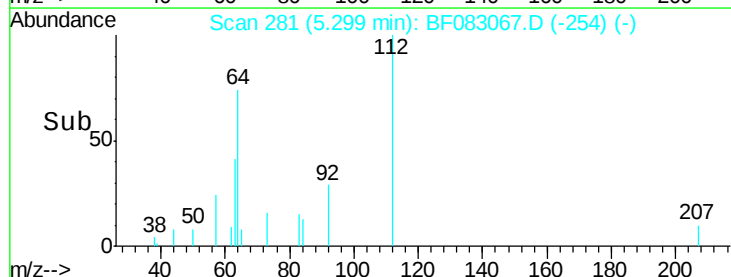
63 41.1 29.0 43.4

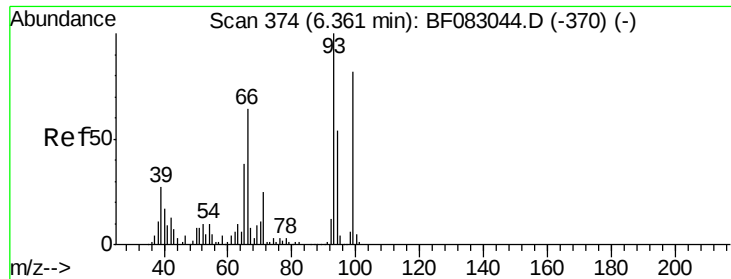


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 56.87 ng

RT: 6.40 min Scan# 377

Delta R.T. 0.03 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SES-EFFLUENT-MS-1

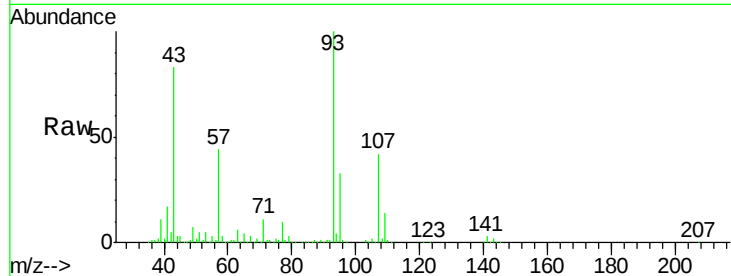
Tgt Ion: 93 Resp: 704021

Ion Ratio Lower Upper

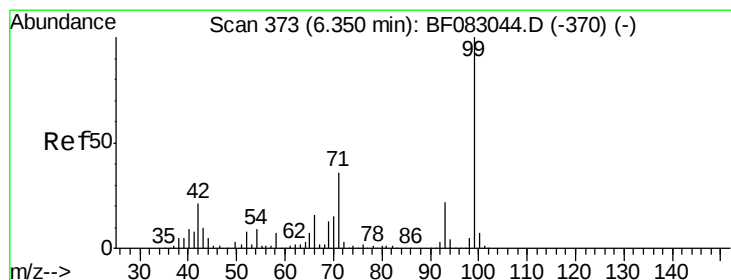
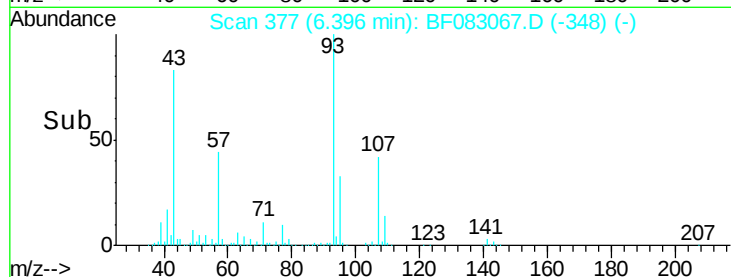
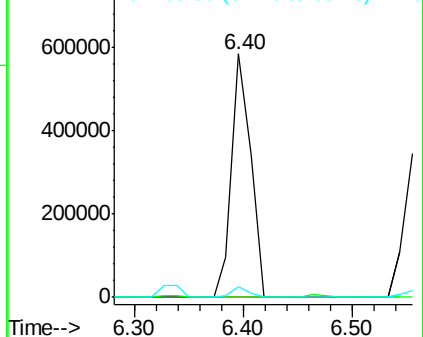
93 100

66 0.3 51.4 77.2#

65 4.3 30.7 46.1#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 0.07 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

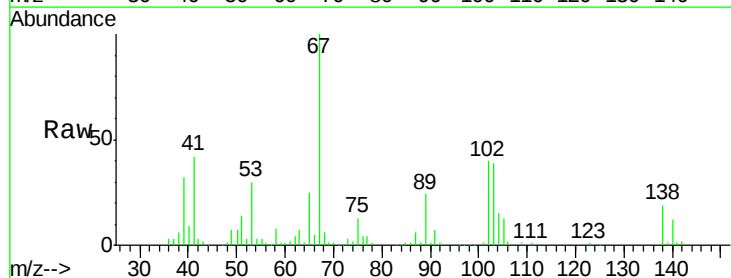
Tgt Ion: 99 Resp: 619

Ion Ratio Lower Upper

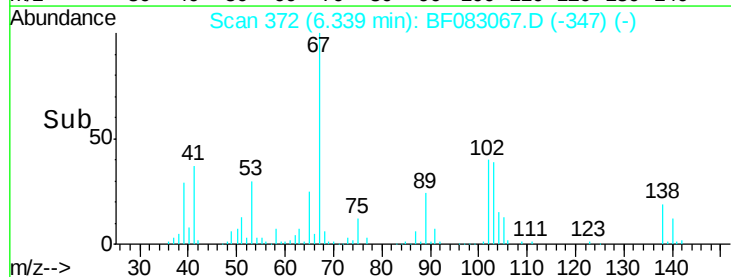
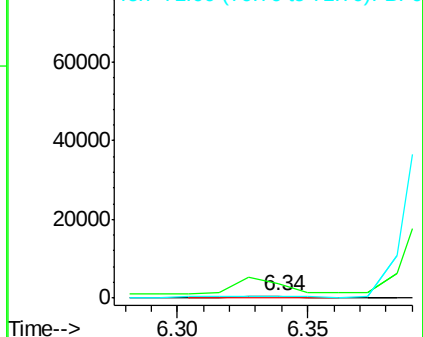
99 100

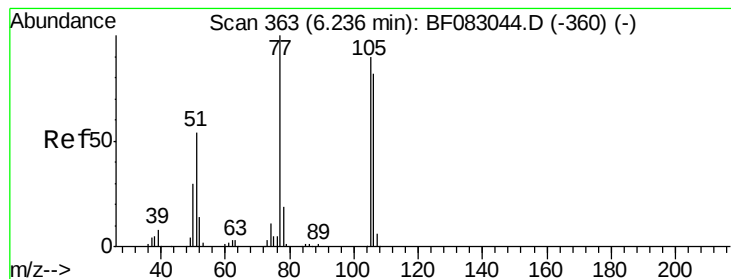
42 807.1 16.6 25.0#

71 104.1 29.2 43.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.28 ng

RT: 6.25 min Scan# 364

Delta R.T. 0.01 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SES-EFFLUENT-MS-1

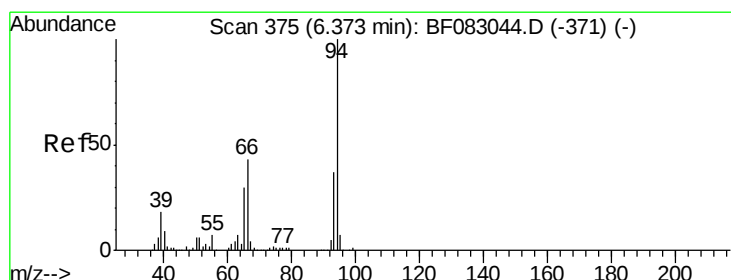
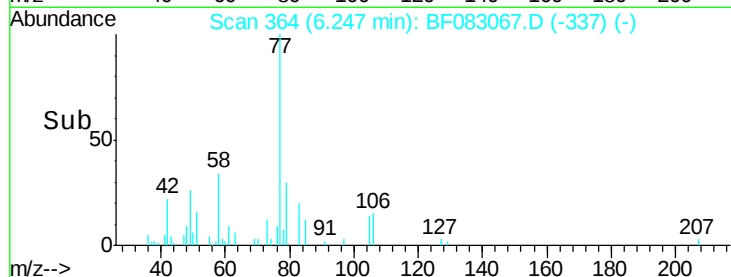
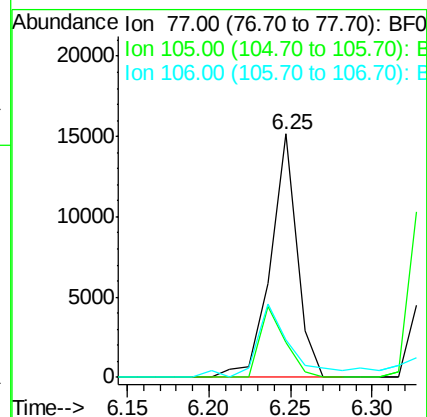
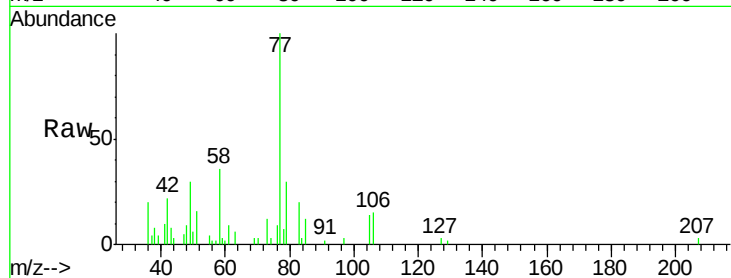
Tgt Ion: 77 Resp: 17210

Ion Ratio Lower Upper

77 100

105 14.5 69.6 109.6#

106 15.4 62.0 102.0#



#10

Phenol

Concen: 2.77 ng

RT: 6.40 min Scan# 377

Delta R.T. 0.02 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

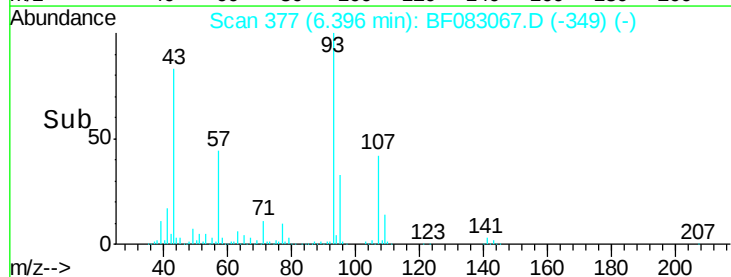
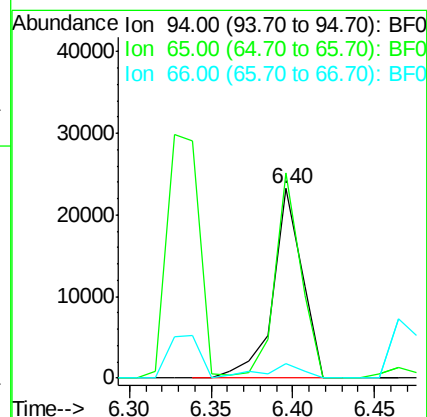
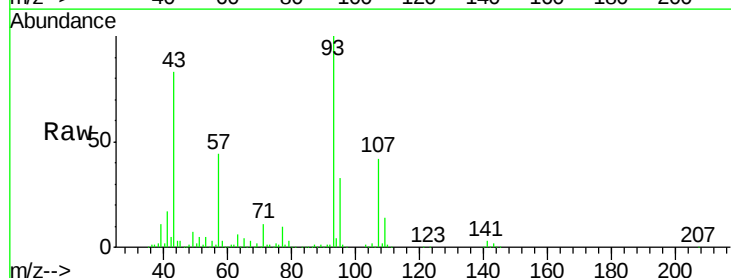
Tgt Ion: 94 Resp: 29226

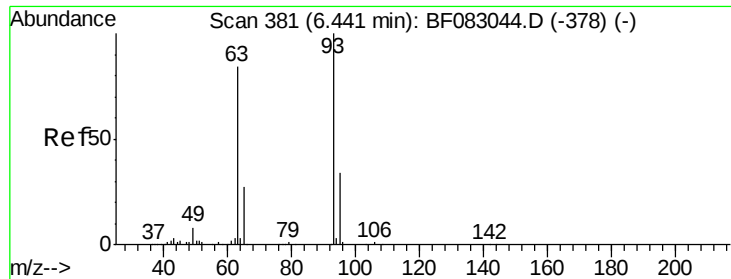
Ion Ratio Lower Upper

94 100

65 108.3 10.1 50.1#

66 7.5 23.2 63.2#

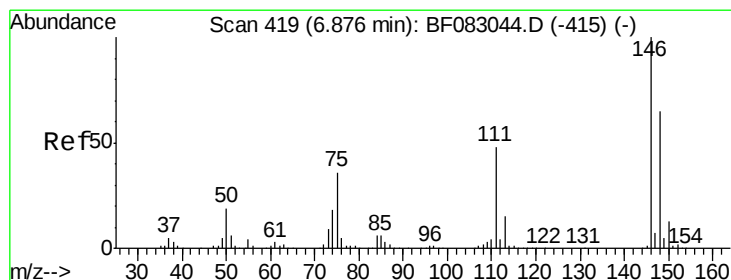
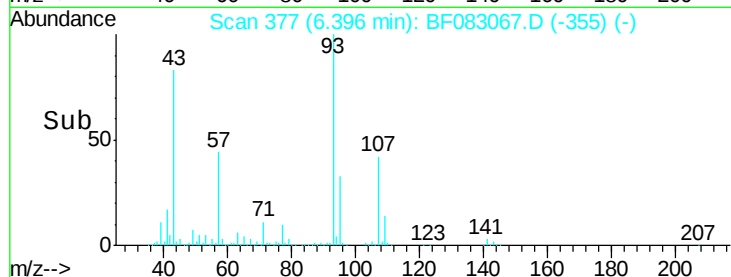
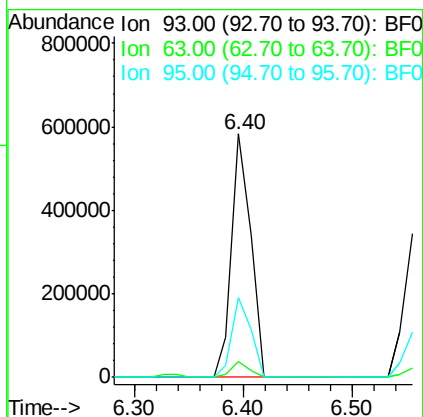
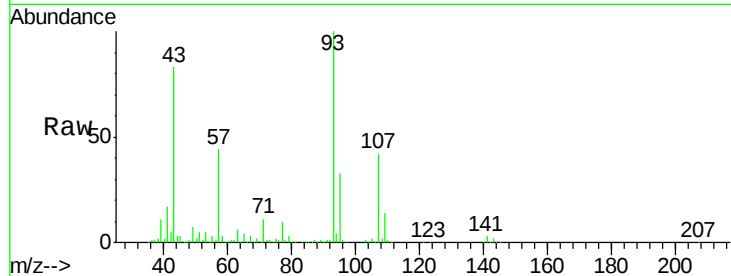




#11
bis(2-Chloroethyl)ether
Concen: 91.87 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.05 min
Lab File: BF083067.D
Acq: 20 Nov 2015 7:19

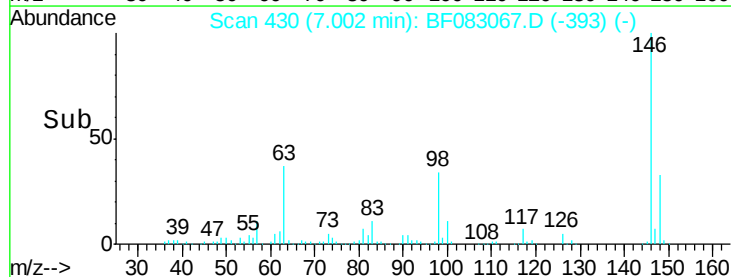
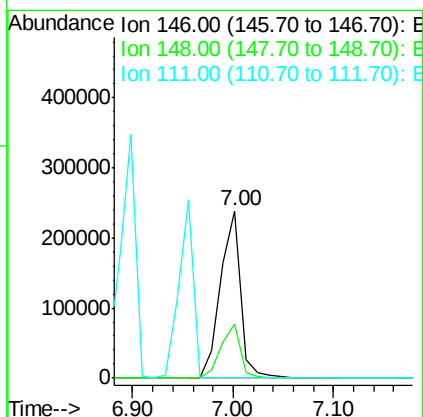
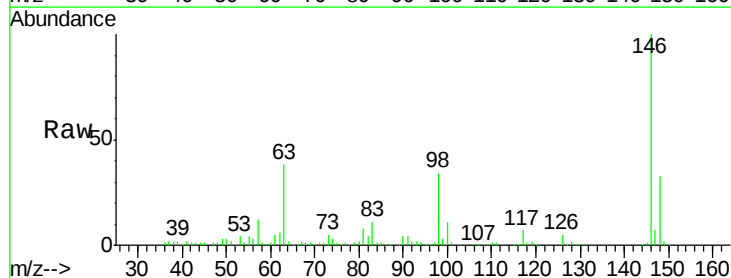
Instrument :
BNA_F
ClientSampleId :
SES-EFFLUENT-MS-1

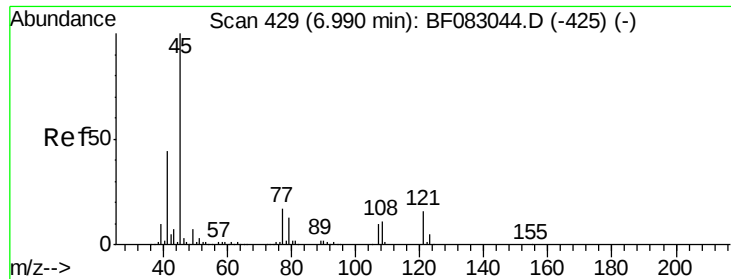
Tgt Ion: 93 Resp: 704021
Ion Ratio Lower Upper
93 100
63 6.3 63.6 103.6#
95 32.7 13.8 53.8



#14
1,2-Dichlorobenzene
Concen: 41.69 ng
RT: 7.00 min Scan# 430
Delta R.T. 0.13 min
Lab File: BF083067.D
Acq: 20 Nov 2015 7:19

Tgt Ion: 146 Resp: 334758
Ion Ratio Lower Upper
146 100
148 32.8 51.8 77.6#
111 0.6 38.2 57.2#

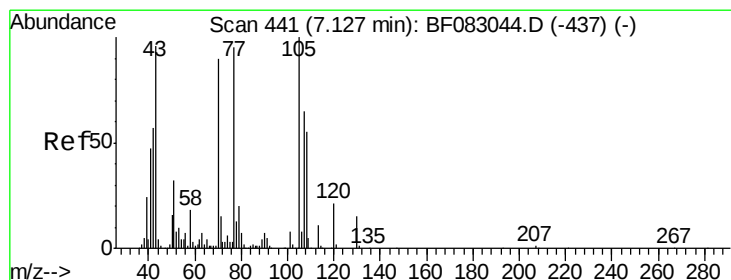
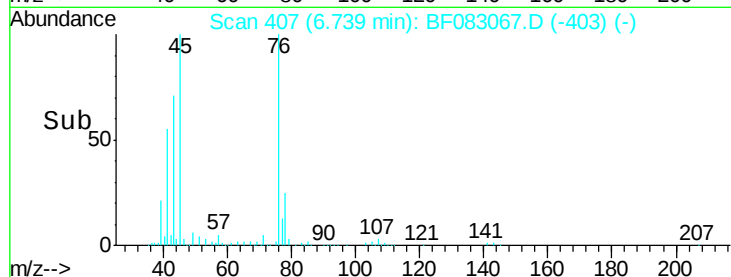
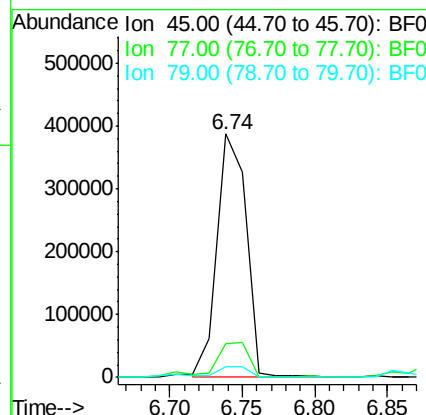
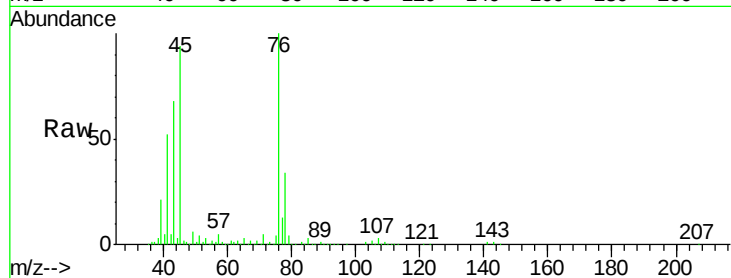




#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.16 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.25 min
Lab File: BF083067.D
Acq: 20 Nov 2015 7:19

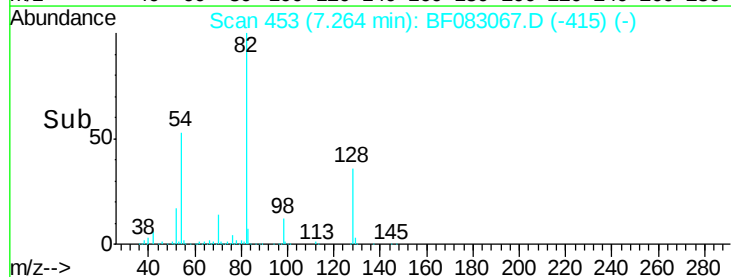
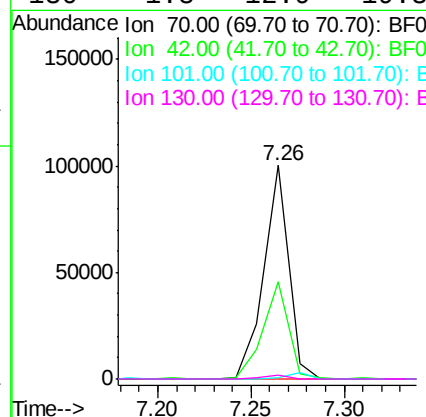
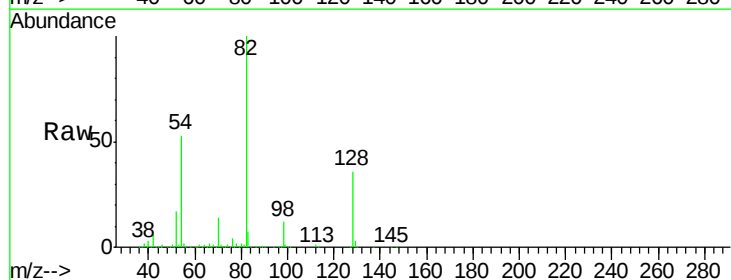
Instrument :
BNA_F
ClientSampleId :
SES-EFFLUENT-MS-1

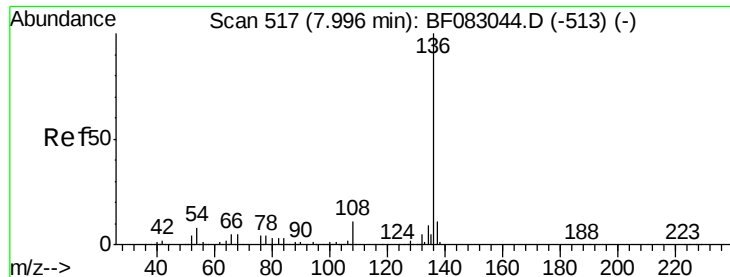
Tgt Ion: 45 Resp: 539443
Ion Ratio Lower Upper
45 100
77 14.1 0.0 36.7
79 4.1 0.0 33.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.86 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.14 min
Lab File: BF083067.D
Acq: 20 Nov 2015 7:19

Tgt Ion: 70 Resp: 91650
Ion Ratio Lower Upper
70 100
42 45.8 50.2 75.2#
101 0.4 6.8 10.2#
130 1.8 12.9 19.3#

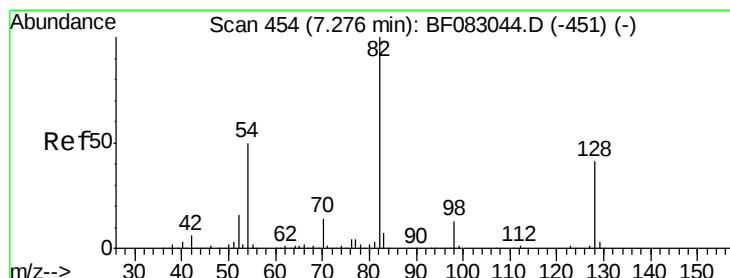
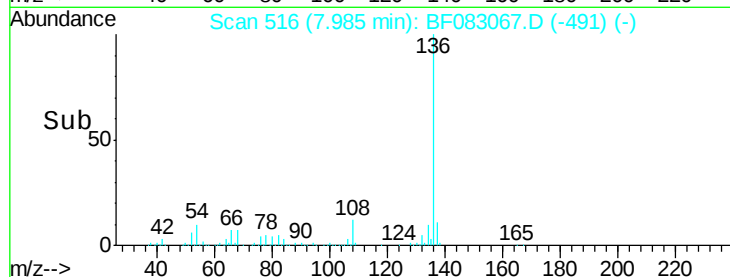
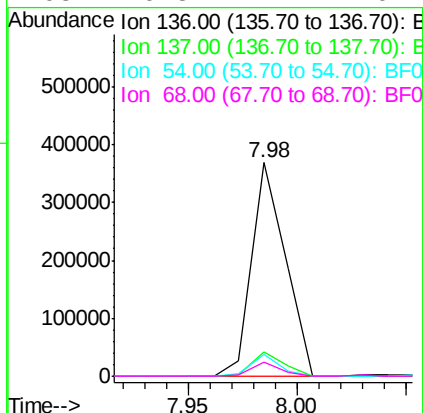
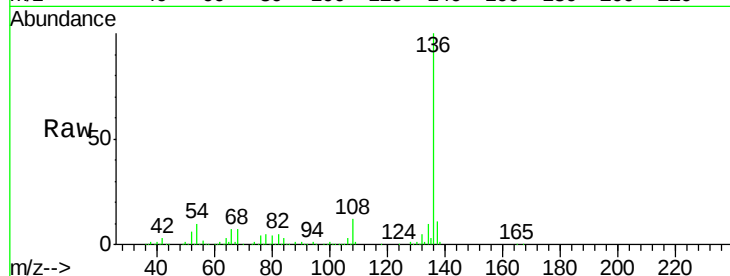




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.01 min
Lab File: BF083067.D
Acq: 20 Nov 2015 7:19

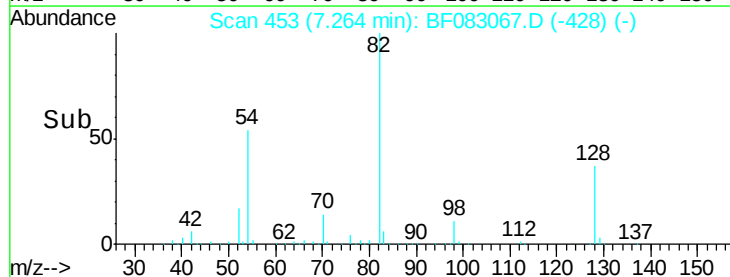
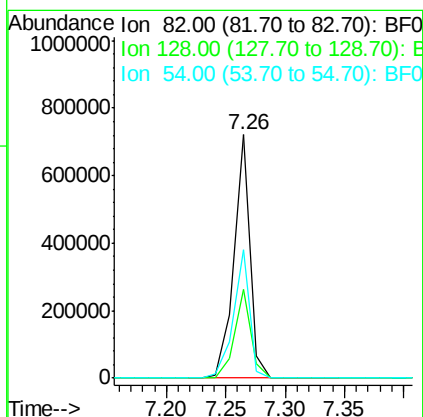
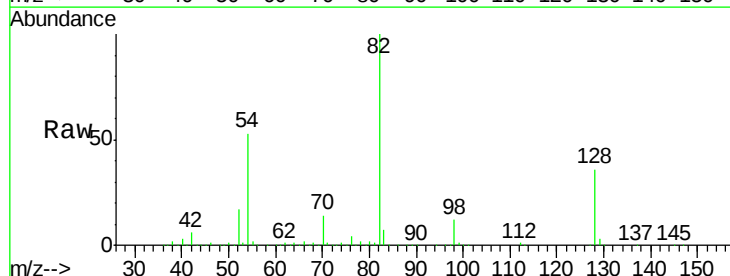
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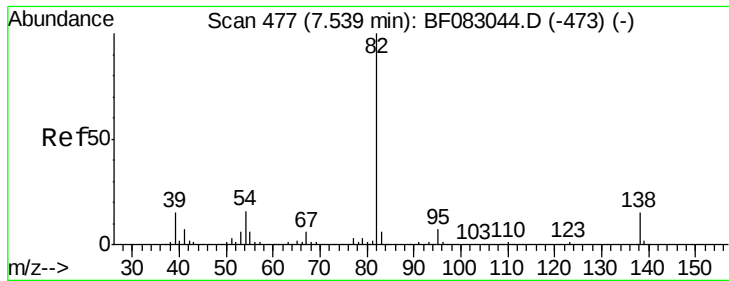
Tgt Ion:	136	Resp:	398732
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	10.5	6.2	9.2#
68	6.8	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 77.60 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF083067.D
Acq: 20 Nov 2015 7:19

Tgt Ion:	82	Resp:	675893
Ion	Ratio	Lower	Upper
82	100		
128	36.5	33.1	49.7
54	52.6	39.8	59.6





#25

Isophorone

Concen: 32.96 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.27 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SES-EFFLUENT-MS-1

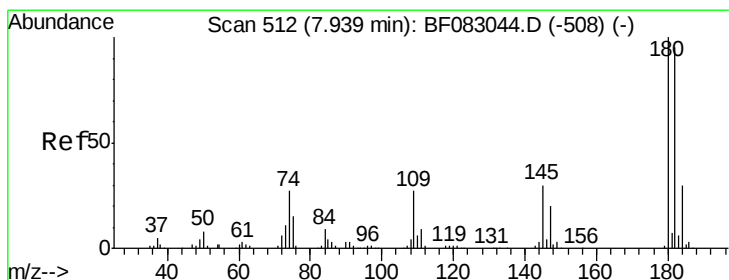
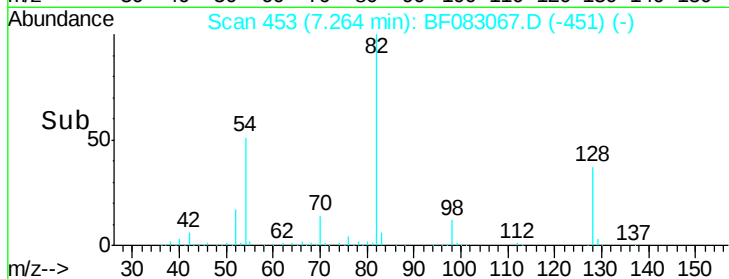
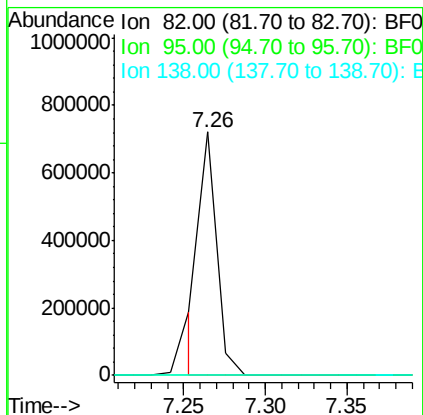
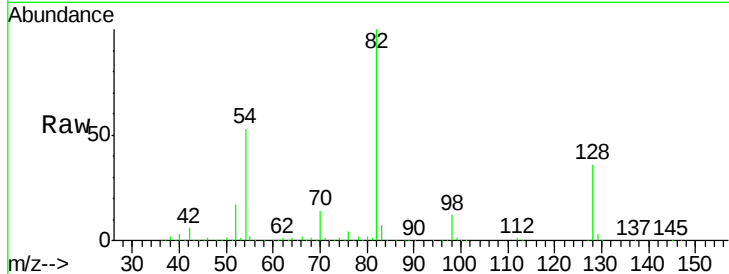
Tgt Ion: 82 Resp: 541424

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 12.2 18.4#



#30

1,2,4-Trichlorobenzene

Concen: 23.22 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.10 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

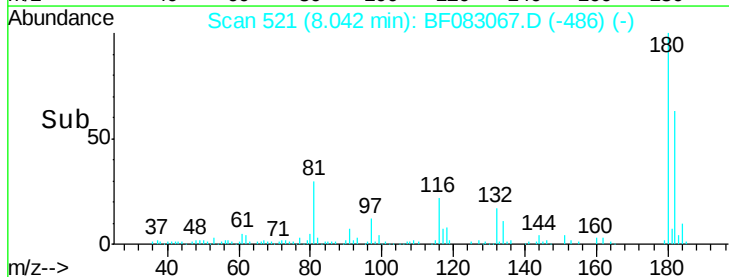
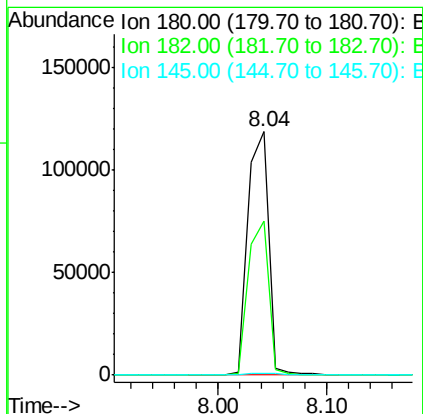
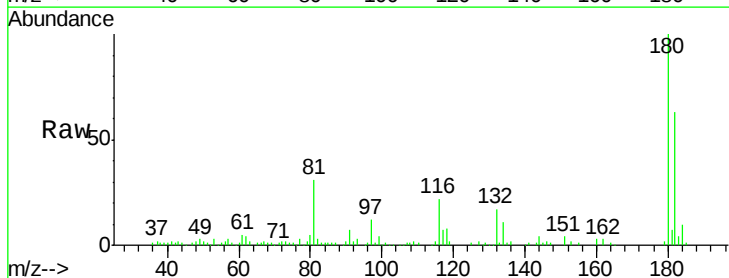
Tgt Ion: 180 Resp: 158280

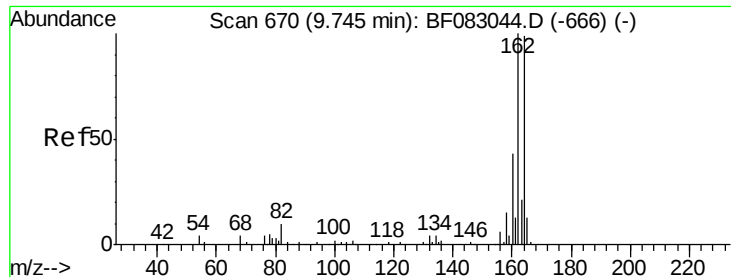
Ion Ratio Lower Upper

180 100

182 63.4 76.2 114.4#

145 0.9 24.0 36.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SES-EFFLUENT-MS-1

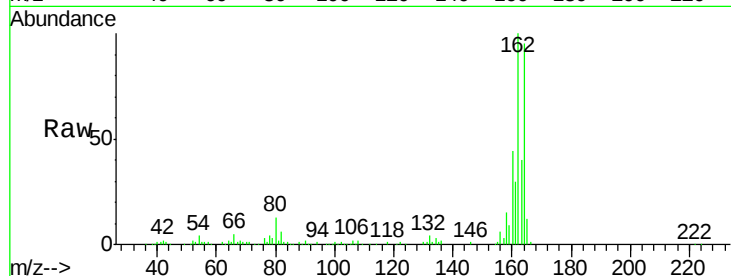
Tgt Ion:164 Resp: 211541

Ion Ratio Lower Upper

164 100

162 105.4 80.5 120.7

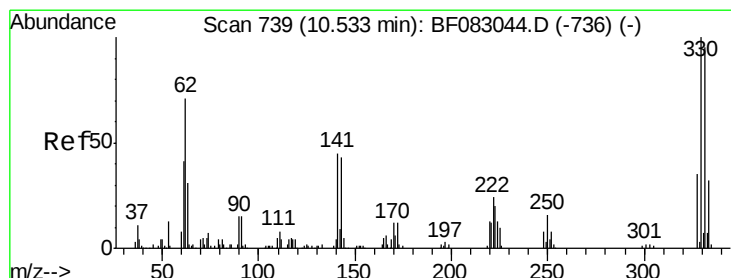
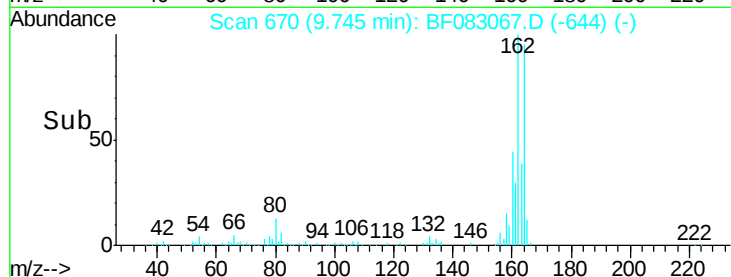
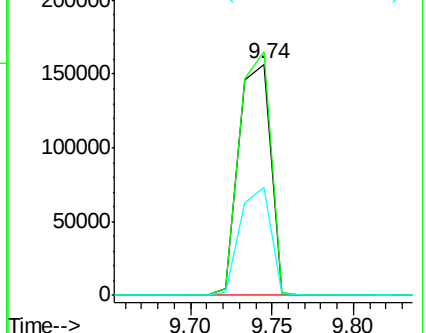
160 46.6 35.0 52.4



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: 13.32 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

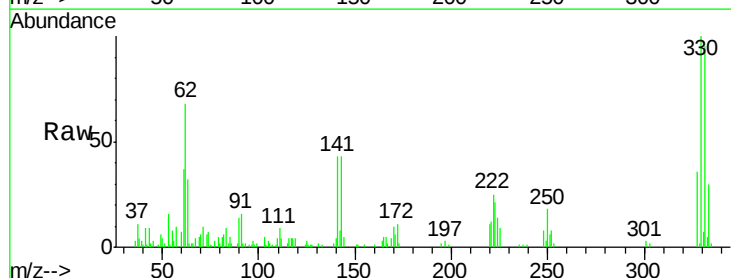
Tgt Ion:330 Resp: 29920

Ion Ratio Lower Upper

330 100

332 97.6 77.6 116.4

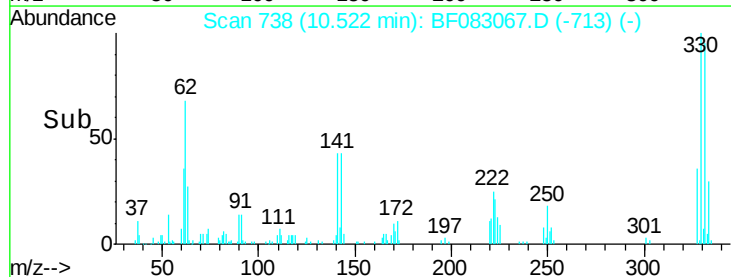
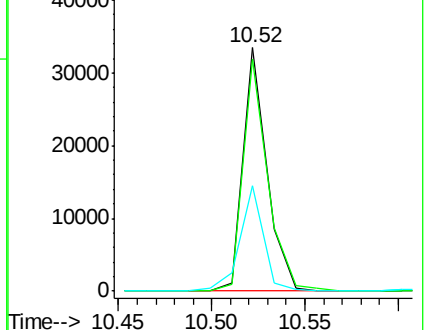
141 43.3 34.6 52.0

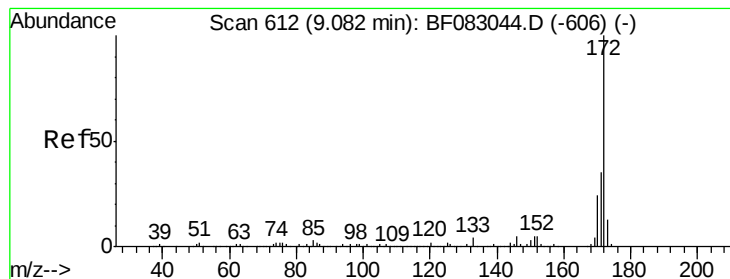


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 75.99 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.01 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SES-EFFLUENT-MS-1

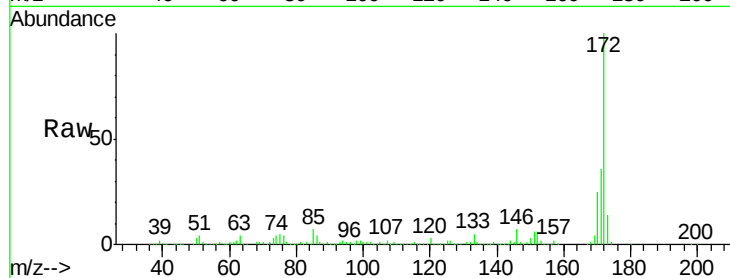
Tgt Ion:172 Resp: 1193527

Ion Ratio Lower Upper

172 100

171 36.2 28.2 42.4

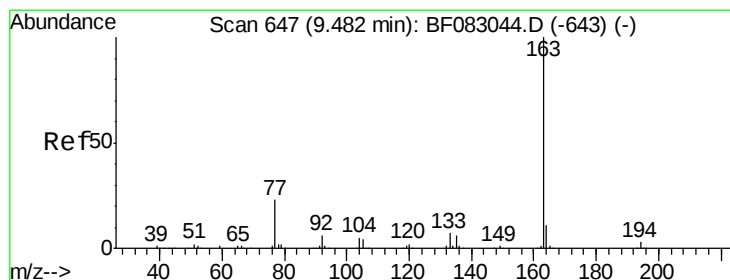
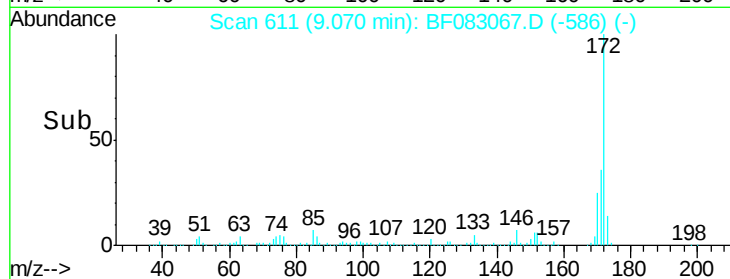
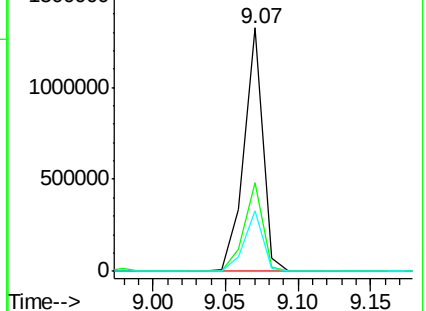
170 24.7 19.4 29.0



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: 5.26 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.01 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

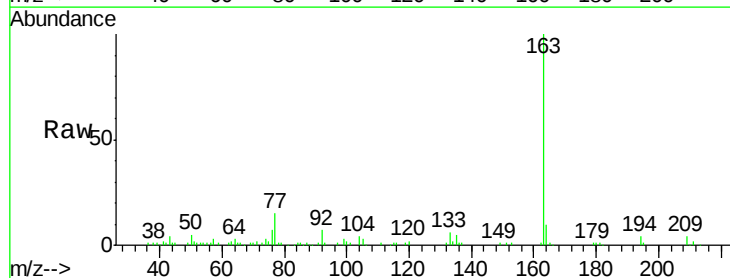
Tgt Ion:163 Resp: 91647

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

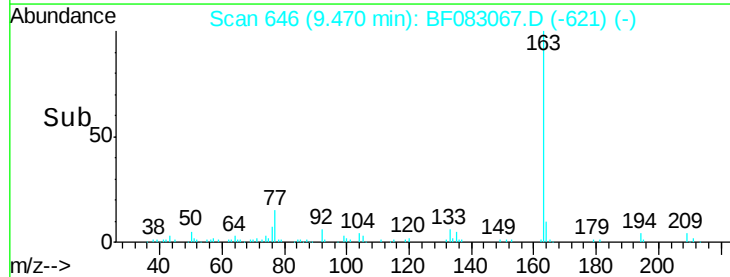
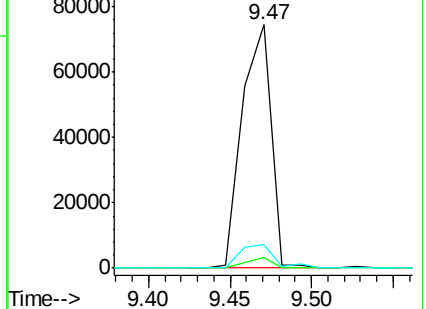
164 9.5 8.5 12.7

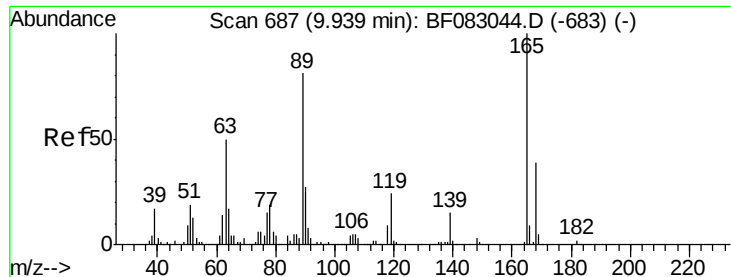


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

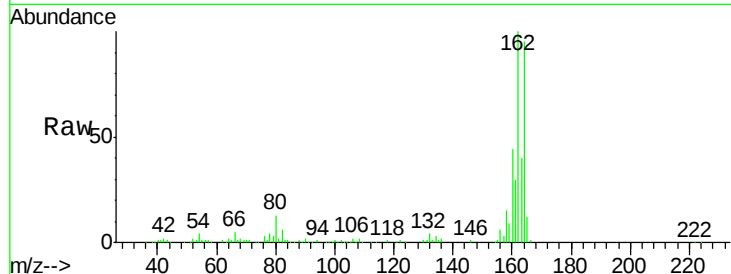




#56
 2,4-Dinitrotoluene
 Concen: 5.17 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.19 min
 Lab File: BF083067.D
 Acq: 20 Nov 2015 7:19

Instrument :
 BNA_F
 ClientSampleId :
 SES-EFFLUENT-MS-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.1	40.6	61.0#
89	3.1	64.4	96.6#
182	0.0	1.6	2.4#

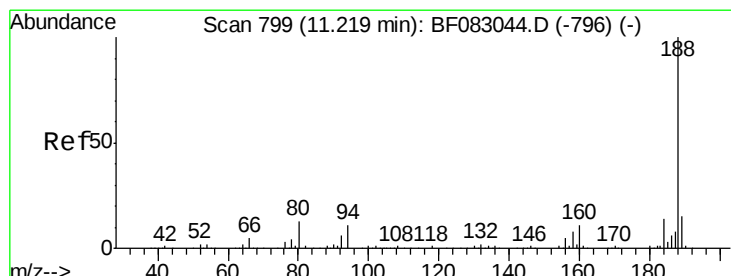
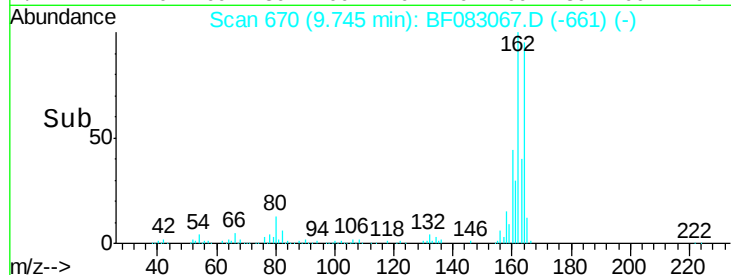
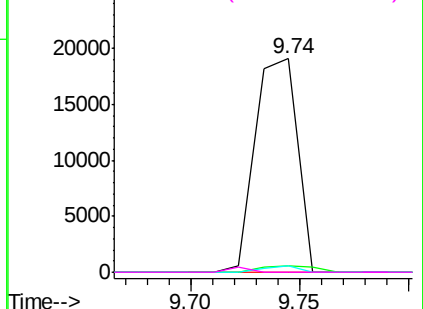


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

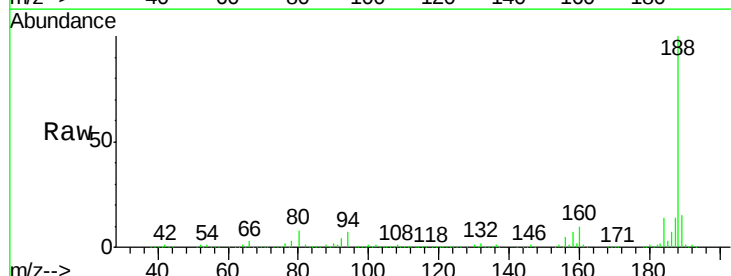
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF083067.D
 Acq: 20 Nov 2015 7:19

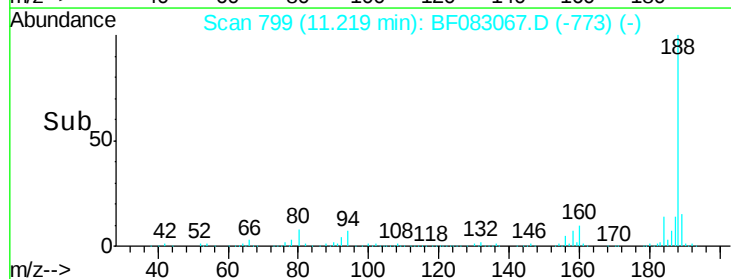
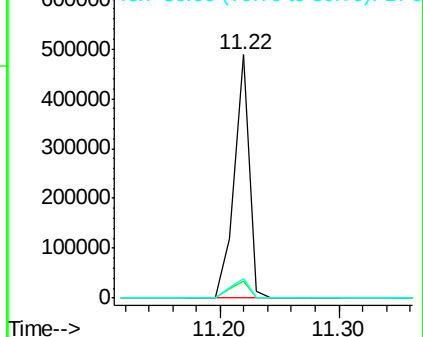
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	9.0	13.4#
80	7.9	10.2	15.4#

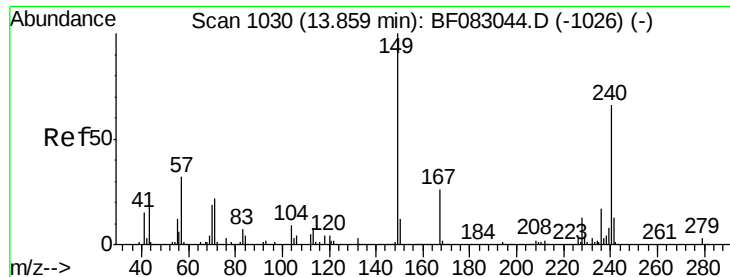


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SES-EFFLUENT-MS-1

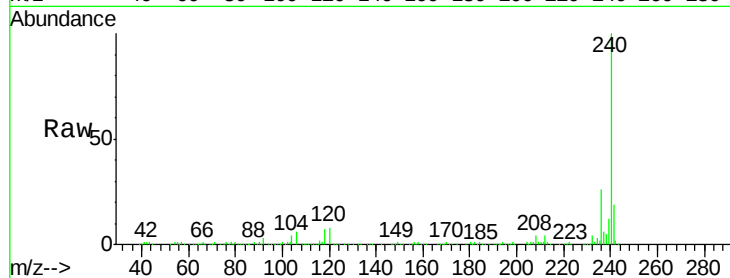
Tgt Ion:240 Resp: 402346

Ion Ratio Lower Upper

240 100

120 7.6 5.3 7.9

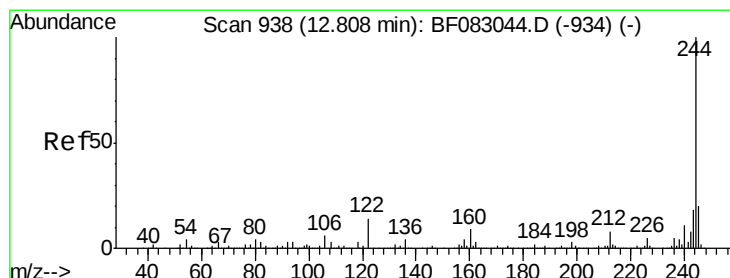
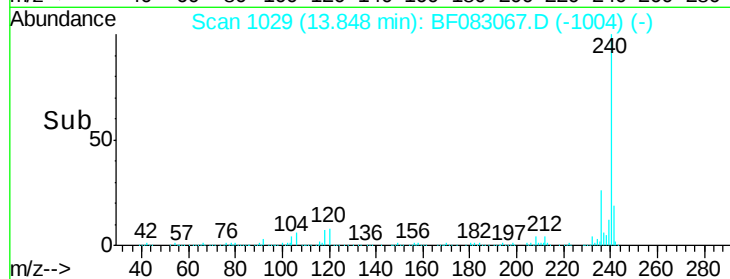
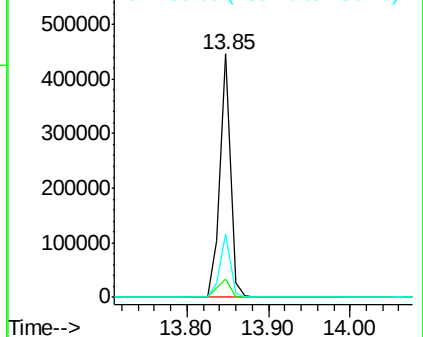
236 26.2 20.4 30.6



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: 66.58 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF083067.D

Acq: 20 Nov 2015 7:19

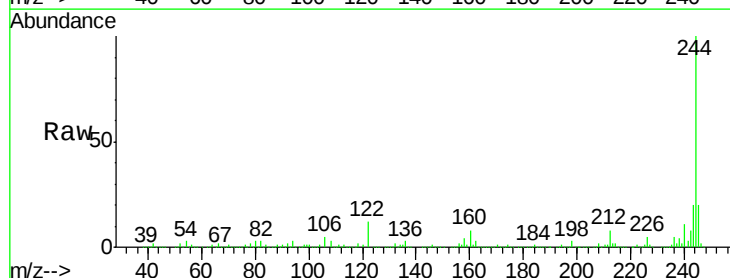
Tgt Ion:244 Resp: 1134739

Ion Ratio Lower Upper

244 100

212 8.3 6.4 9.6

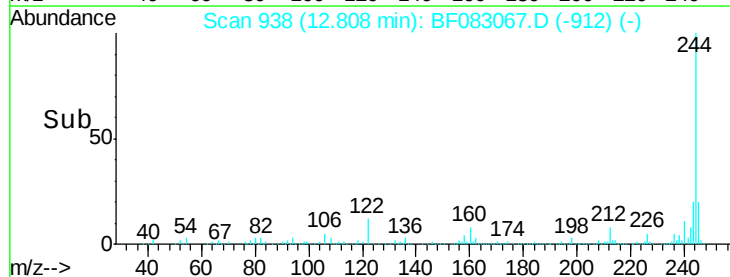
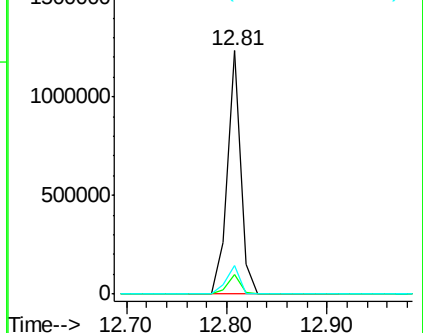
122 12.0 10.9 16.3

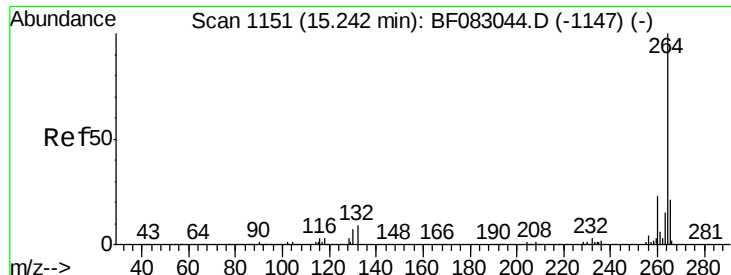


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF083067.D
Acq: 20 Nov 2015 7:19

Instrument :
BNA_F
ClientSampleId :
SES-EFFLUENT-MS-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	21.9	17.0	25.6

