

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098544.D
 Acq On : 14 Sep 2017 22:49
 Operator : SJ/JU
 Sample : I5161-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-8-13-26

Quant Time: Sep 15 05:03:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	131912	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	545752	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	245197	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	400742	20.00	ng	-0.02
75) Chrysene-d12	13.79	240	276644	20.00	ng	-0.02
86) Perylene-d12	15.19	264	303065	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	901149	101.00	ng	-0.02
7) Phenol-d6	6.30	99	1107189	97.74	ng	-0.02
23) Nitrobenzene-d5	7.22	82	602141	61.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	159774	97.63	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	791143	54.69	ng	-0.03
78) Terphenyl-d14	12.74	244	511094	39.88	ng	-0.02

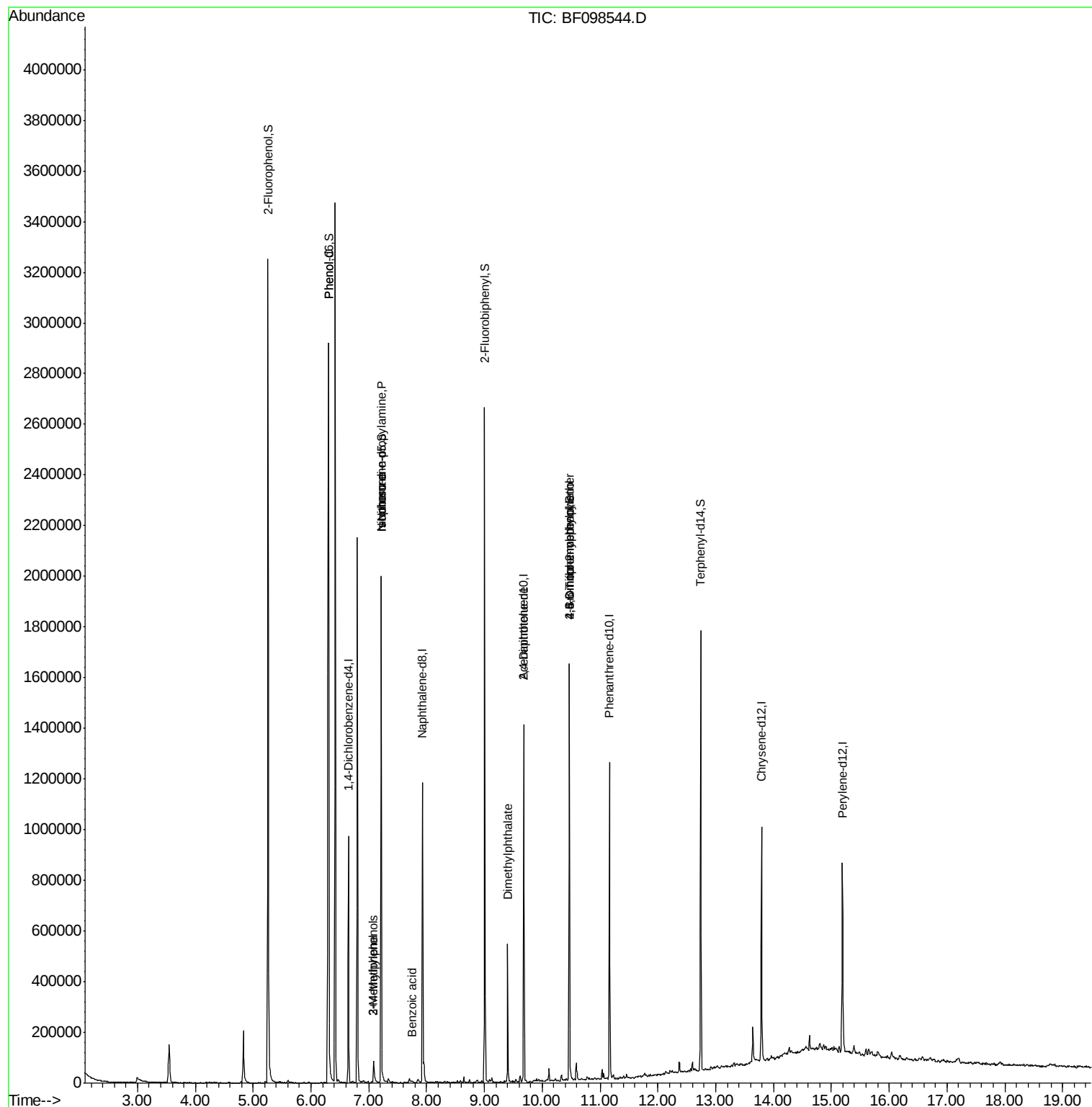
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.31	94	35346	2.686	ng	83
17) 2-Methylphenol	7.08	107	34942	4.368	ng	# 68
19) n-Nitroso-di-n-propylamine	7.22	70	81015	11.370	ng	# 81
20) 3+4-Methylphenols	7.08	107	34942	3.461	ng	# 57
25) Isophorone	7.22	82	597684	30.176	ng	# 67
32) Benzoic acid	7.76	122	948	8.107	ng	# 1
49) Dimethylphthalate	9.40	163	187423	9.875	ng	99
56) 2,4-Dinitrotoluene	9.68	165	31176	6.577	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.47	198	306	5.076	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	11754	3.090	ng	# 1

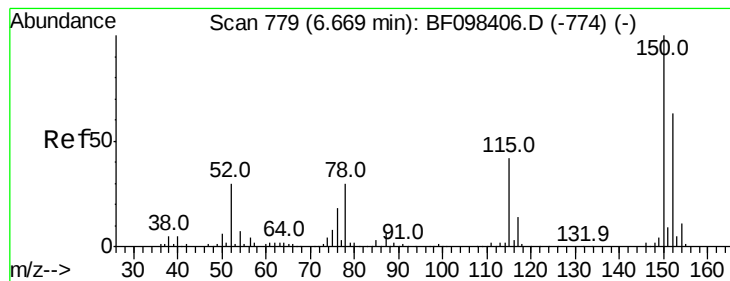
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.02 min

Lab File: BF098544.D

Acq: 14 Sep 2017 22:49

Instrument :

BNA_F

ClientSampleId :

RL-8-13-26

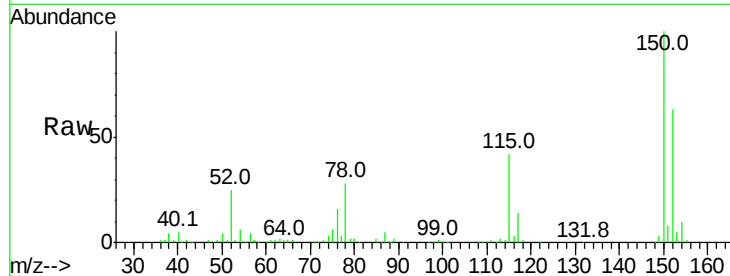
Tot Ion:152 Resp: 131912

Ion Ratio Lower Upper

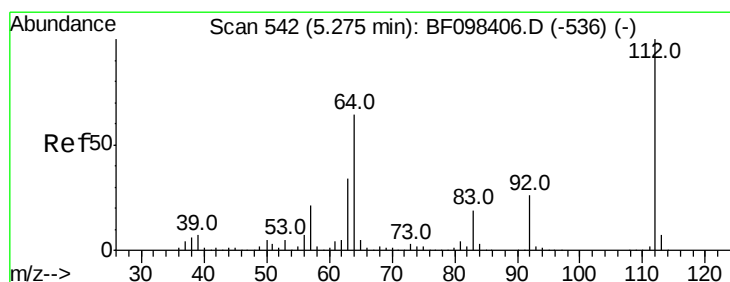
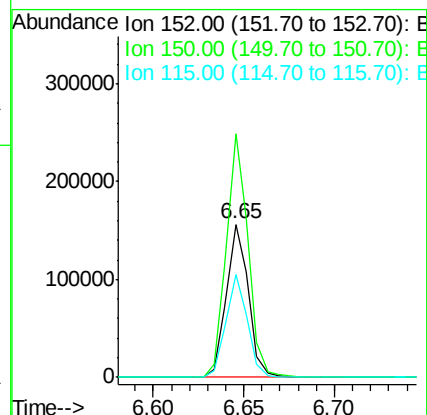
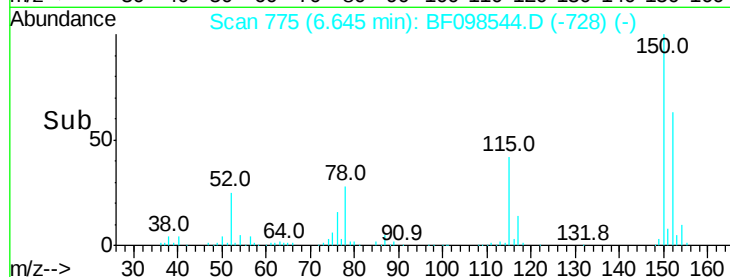
152 100

150 158.8 126.2 189.2

115 67.2 52.2 78.2



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: 101.004 ng

RT: 5.26 min Scan# 539

Delta R.T. -0.02 min

Lab File: BF098544.D

Acq: 14 Sep 2017 22:49

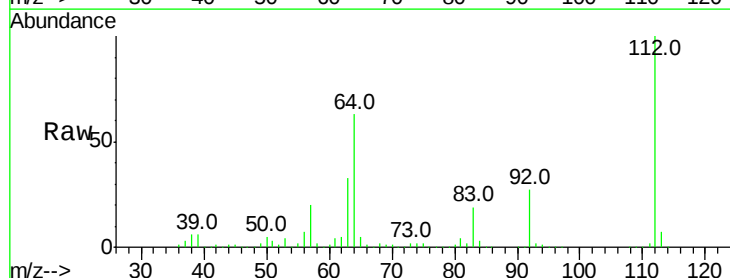
Tgt Ion:112 Resp: 901149

Ion Ratio Lower Upper

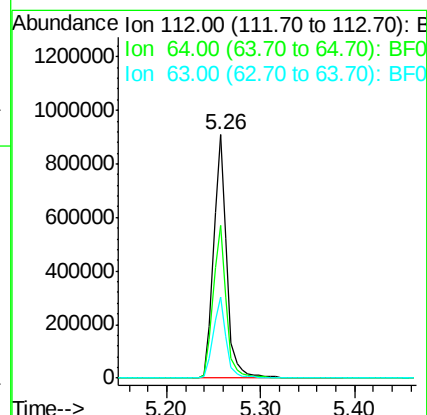
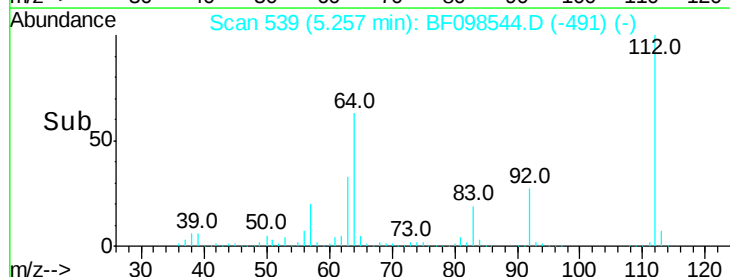
112 100

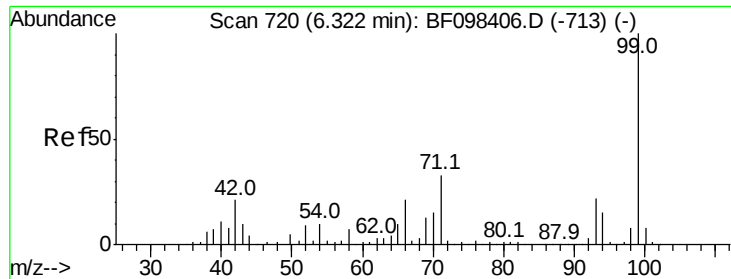
64 62.7 46.0 69.0

63 33.1 23.4 35.0



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: 97.741 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098544.D

Acq: 14 Sep 2017 22:49

Instrument :

BNA_F

ClientSampleId :

RL-8-13-26

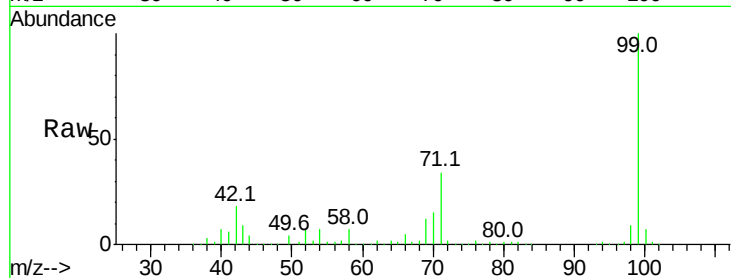
Tot Ion: 99 Resp: 1107189

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

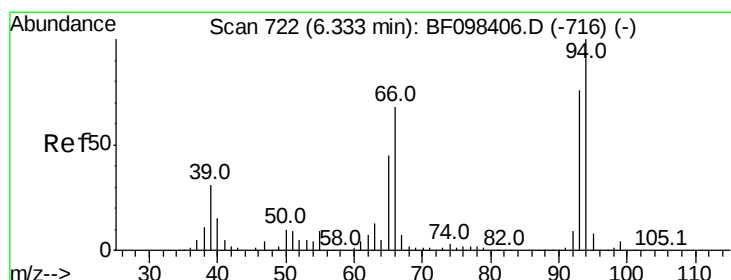
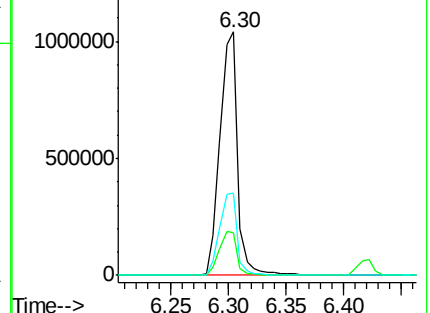
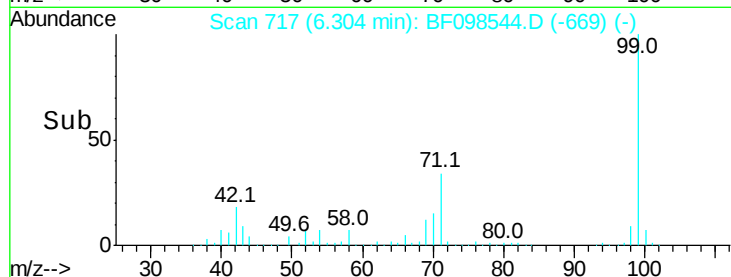
71 33.6 24.5 36.7



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



#10

Phenol

Concen: 2.686 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF098544.D

Acq: 14 Sep 2017 22:49

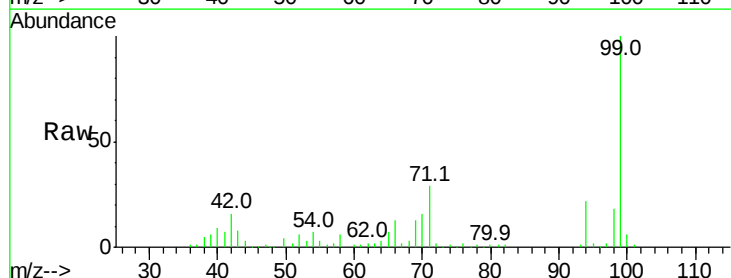
Tgt Ion: 94 Resp: 35346

Ion Ratio Lower Upper

94 100

65 33.5 9.9 49.9

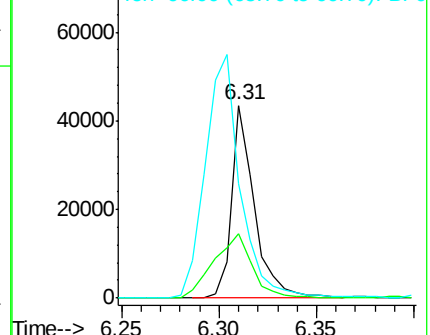
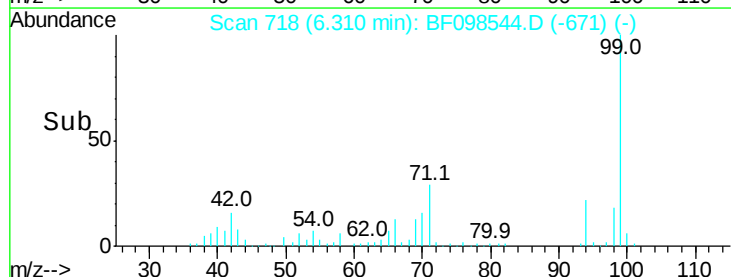
66 58.9 23.1 63.1

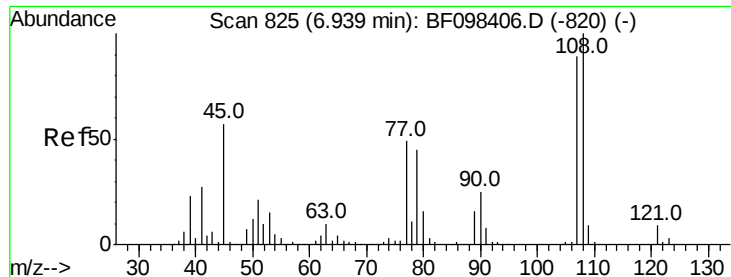


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

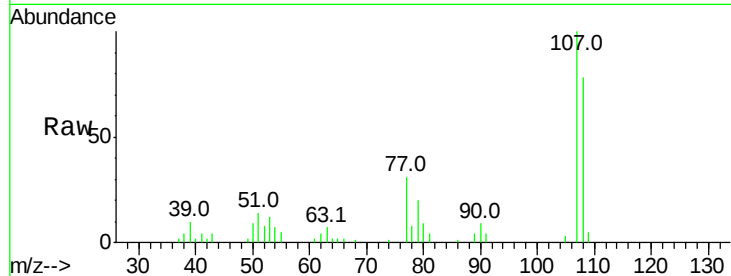




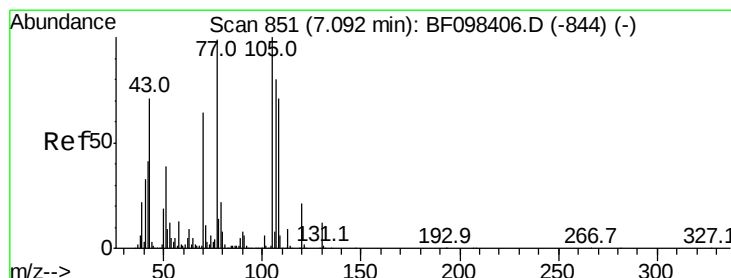
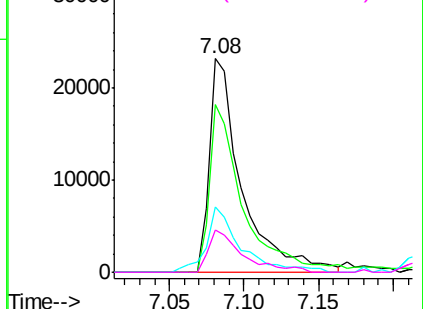
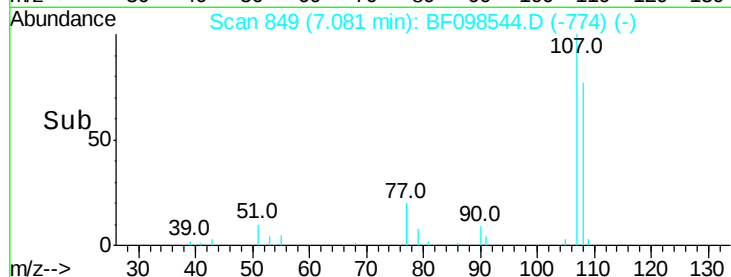
#17
2-Methylphenol
Concen: 4.368 ng
RT: 7.08 min Scan# 849
Delta R.T. 0.14 min
Lab File: BF098544.D
Acq: 14 Sep 2017 22:49

Instrument :
BNA_F
ClientSampleId :
RL-8-13-26

Tot Ion:107 Resp: 34942
Ion Ratio Lower Upper
107 100
108 78.5 93.4 140.0#
77 30.8 35.8 53.6#
79 20.0 34.8 52.2#

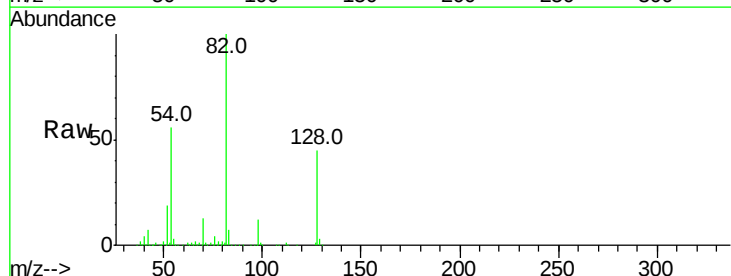


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

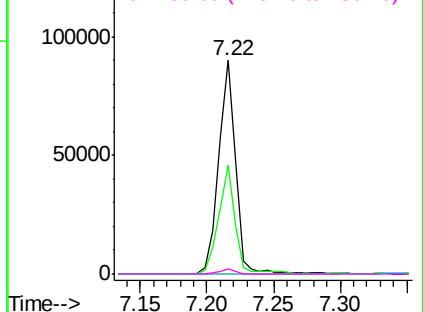
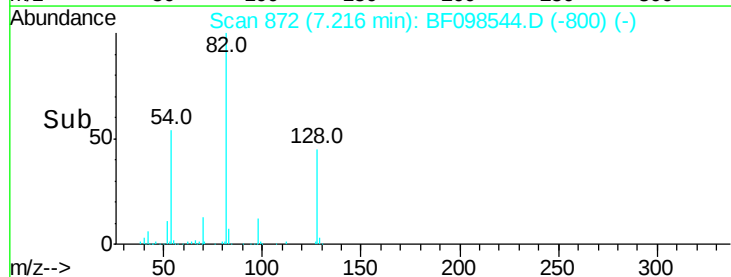


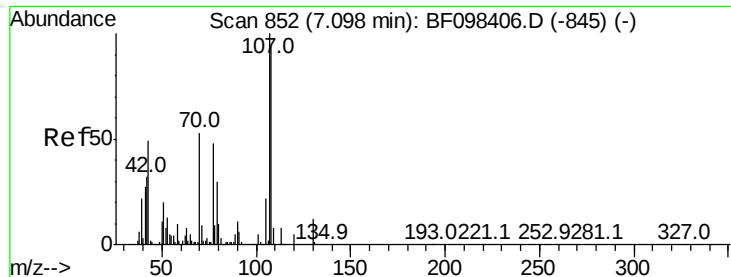
#19
n-Nitroso-di-n-propylamine
Concen: 11.370 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.12 min
Lab File: BF098544.D
Acq: 14 Sep 2017 22:49

Tgt Ion: 70 Resp: 81015
Ion Ratio Lower Upper
70 100
42 50.7 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

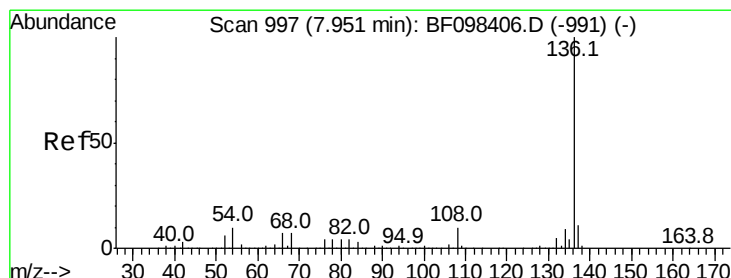
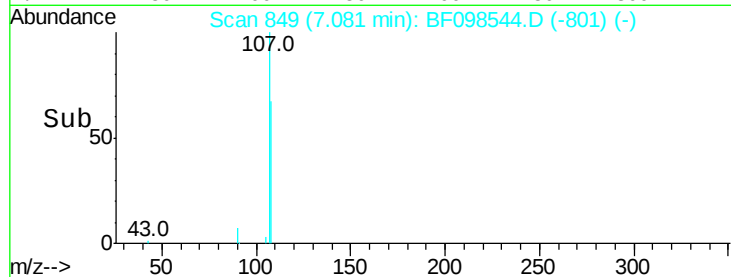
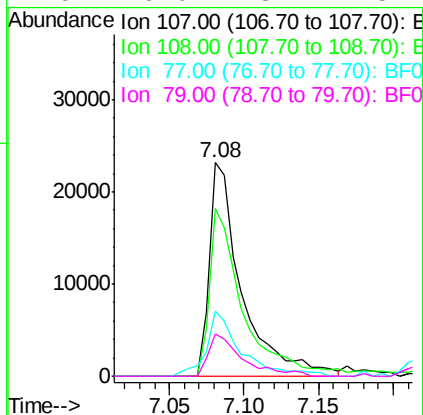
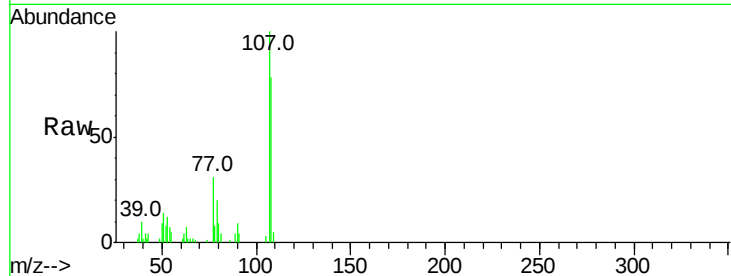




#20
 3+4-Methylphenols
 Concen: 3.461 ng
 RT: 7.08 min Scan# 849
 Delta R.T. -0.02 min
 Lab File: BF098544.D
 Acq: 14 Sep 2017 22:49

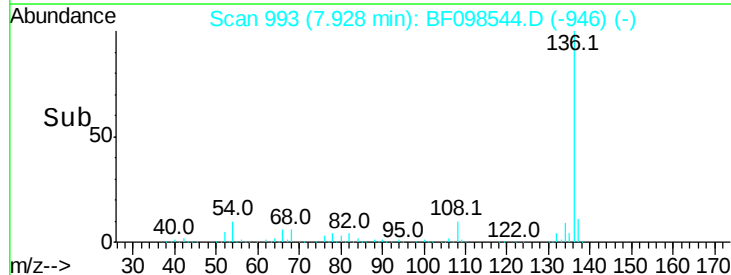
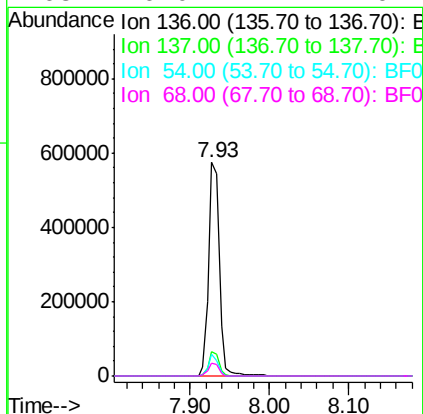
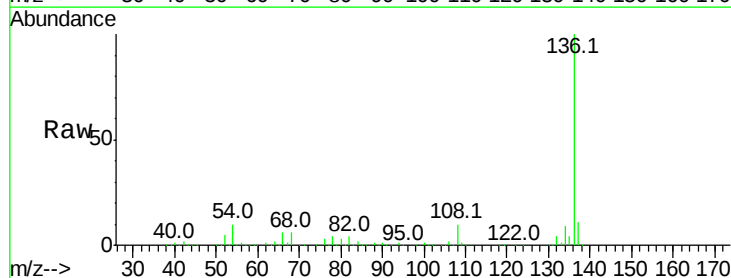
Instrument :
 BNA_F
 ClientSampleId :
 RL-8-13-26

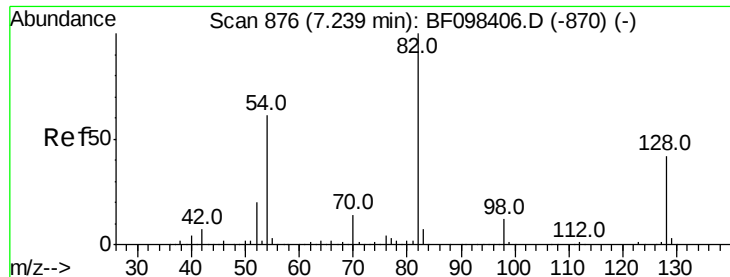
Tot Ion:	107	Resp:	34942
Ion	Ratio	Lower	Upper
107	100		
108	78.5	71.0	111.0
77	30.8	90.5	130.5#
79	20.0	8.4	48.4



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.93 min Scan# 993
 Delta R.T. -0.02 min
 Lab File: BF098544.D
 Acq: 14 Sep 2017 22:49

Tgt Ion:	136	Resp:	545752
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	10.1	4.9	7.3#
68	6.0	4.1	6.1

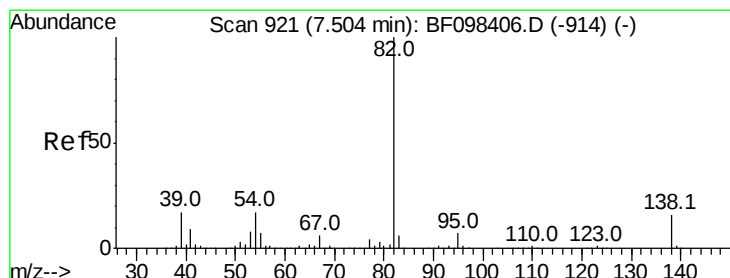
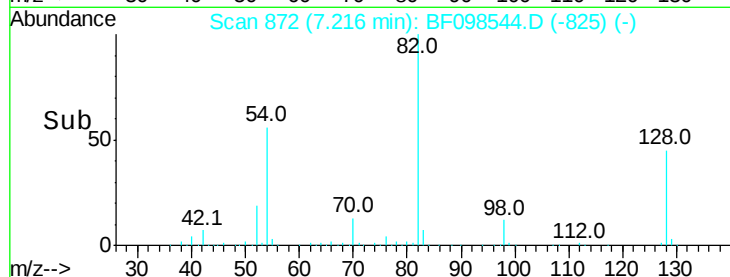
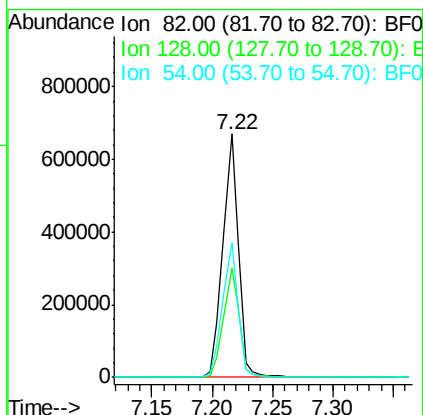
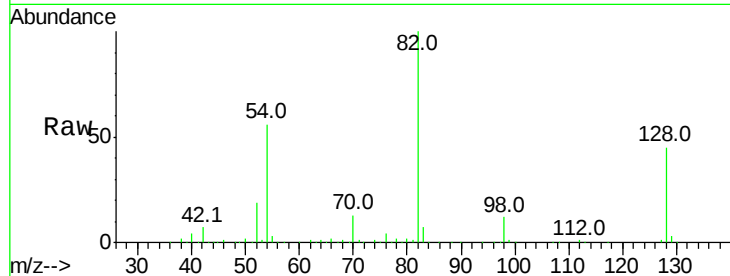




#23
Nitrobenzene-d5
Concen: 61.510 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098544.D
Acq: 14 Sep 2017 22:49

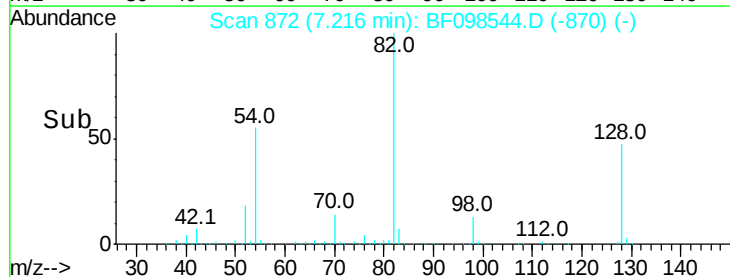
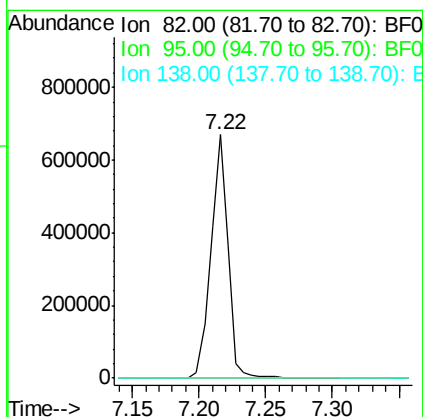
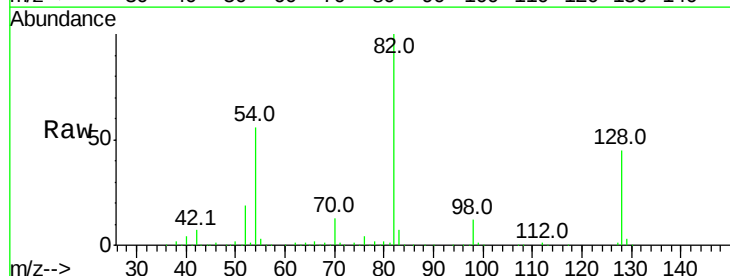
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RL-8-13-26

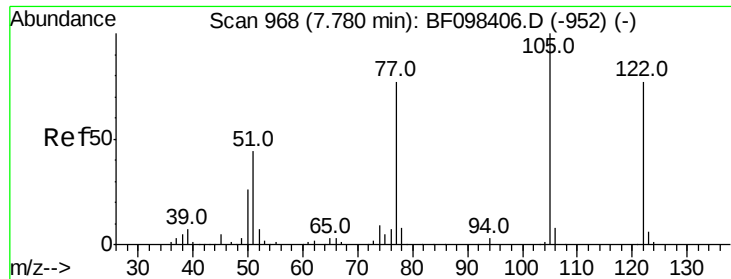
Tot Ion: 82 Resp: 602141
Ion Ratio Lower Upper
82 100
128 44.7 34.0 51.0
54 55.6 42.2 63.2



#25
Isophorone
Concen: 30.176 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.29 min
Lab File: BF098544.D
Acq: 14 Sep 2017 22:49

Tgt Ion: 82 Resp: 597684
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

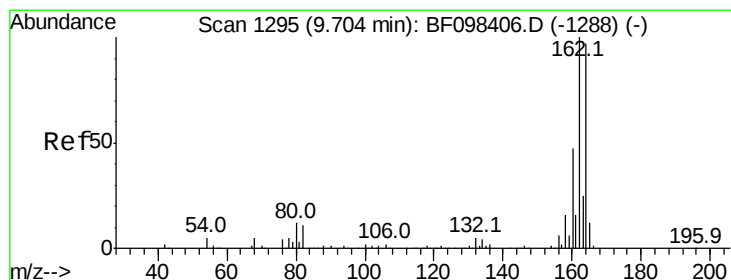
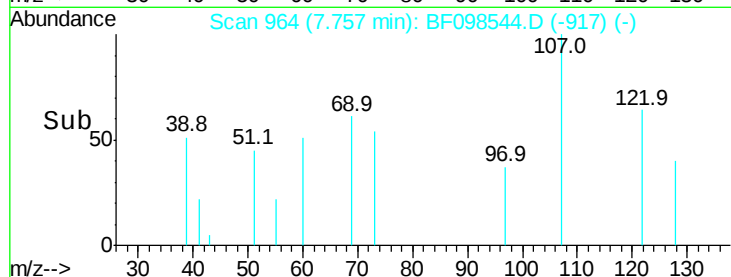
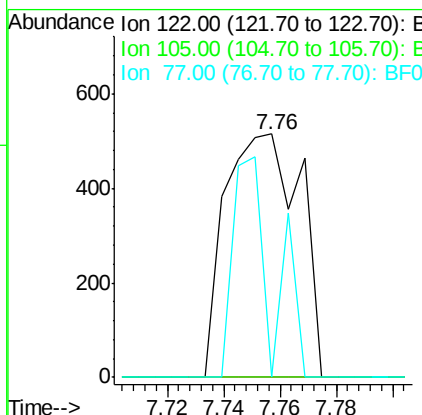
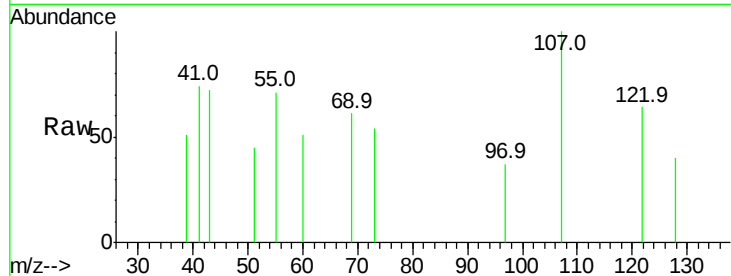




#32
Benzoic acid
Concen: 8.107 ng
RT: 7.76 min Scan# 964
Delta R.T. -0.02 min
Lab File: BF098544.D
Acq: 14 Sep 2017 22:49

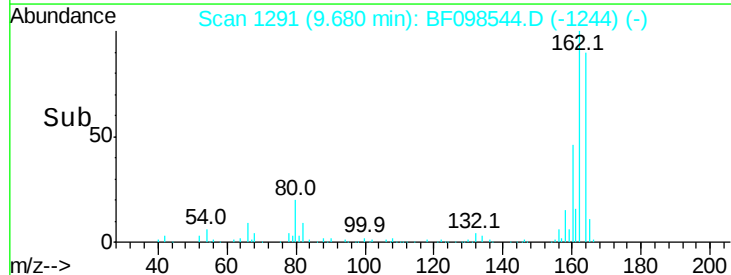
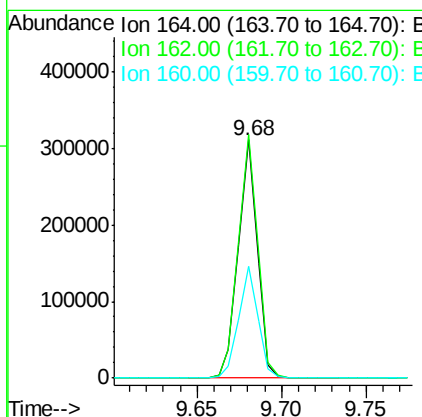
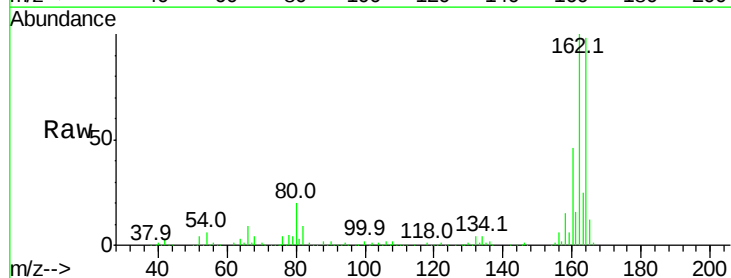
Instrument :
BNA_F
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RL-8-13-26

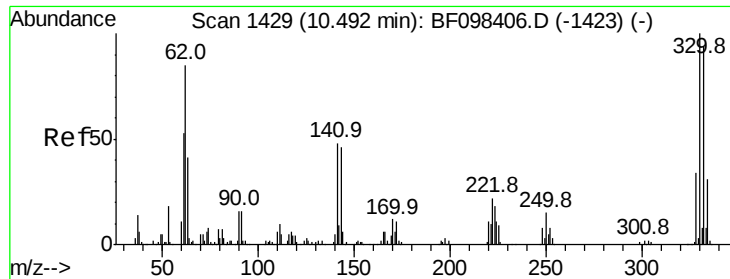
Tot Ion:122 Resp: 948
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF098544.D
Acq: 14 Sep 2017 22:49

Tgt Ion:164 Resp: 245197
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 46.8 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 97.632 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.02 min

Lab File: BF098544.D

Acq: 14 Sep 2017 22:49

Instrument :

BNA_F

ClientSampleId :

RL-8-13-26

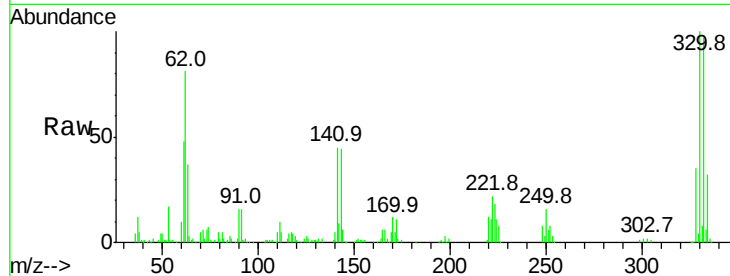
Tot Ion:330 Resp: 159774

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

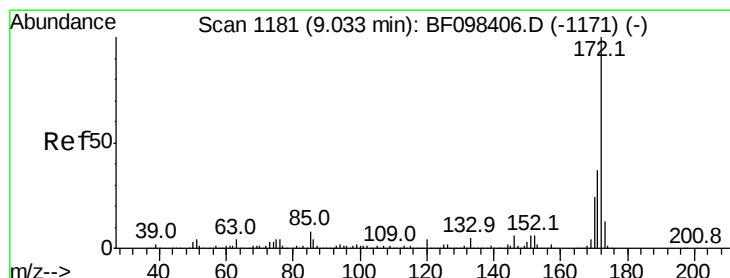
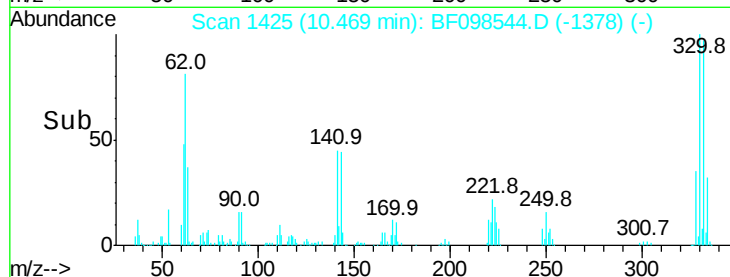
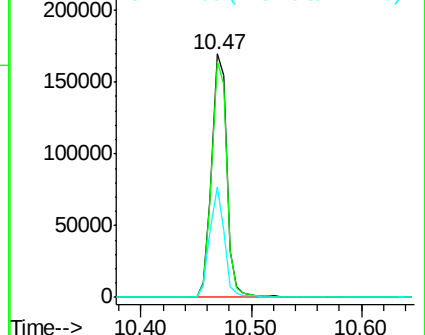
141 42.6 31.4 47.2



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: 54.688 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.03 min

Lab File: BF098544.D

Acq: 14 Sep 2017 22:49

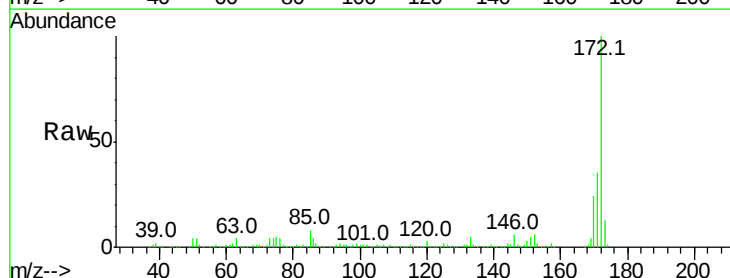
Tgt Ion:172 Resp: 791143

Ion Ratio Lower Upper

172 100

171 35.2 29.6 44.4

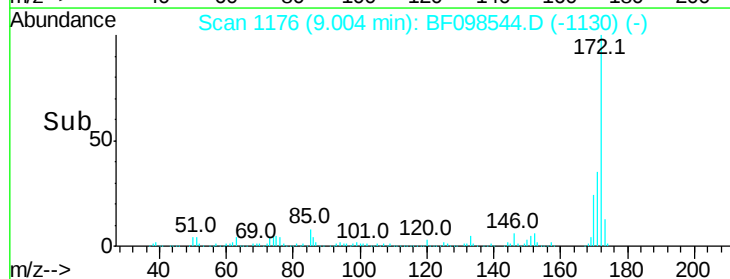
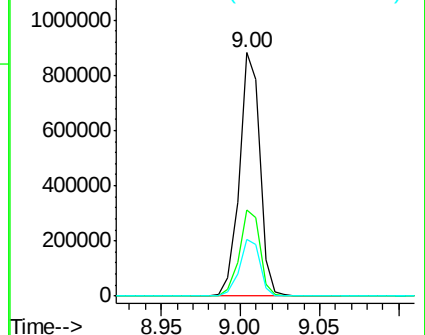
170 23.5 19.8 29.8

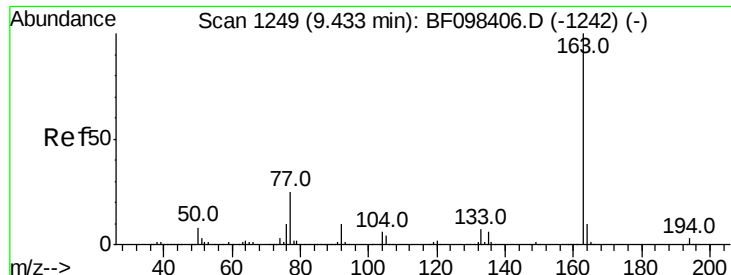


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

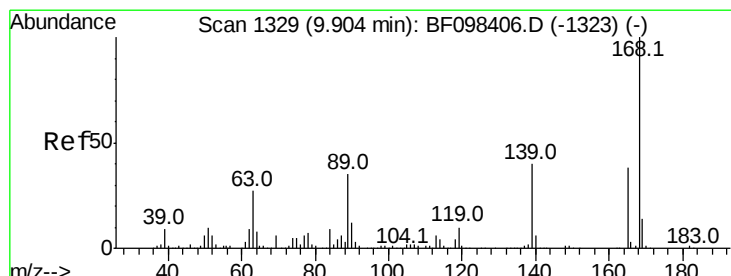
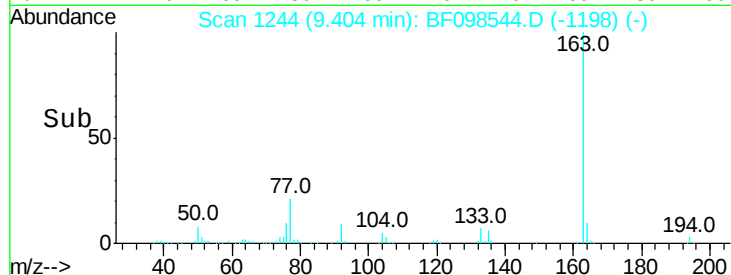
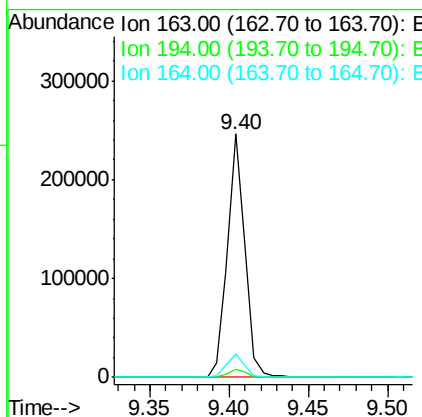
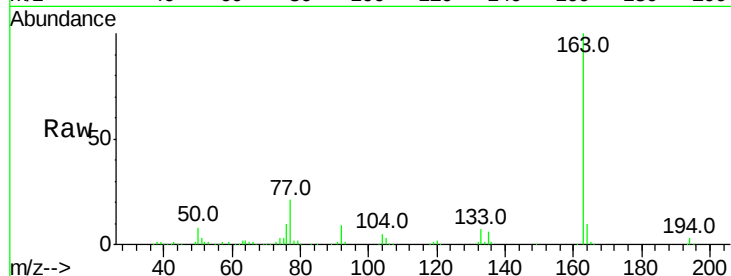




#49
Dimethylphthalate
Concen: 9.875 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098544.D
Acq: 14 Sep 2017 22:49

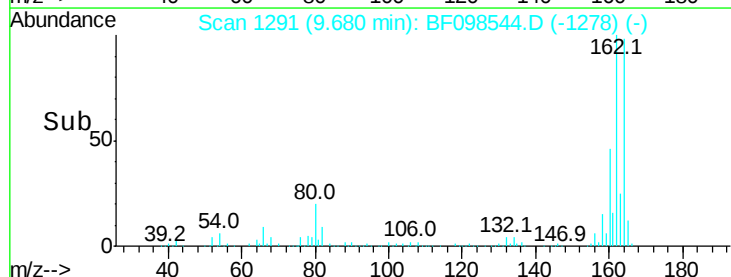
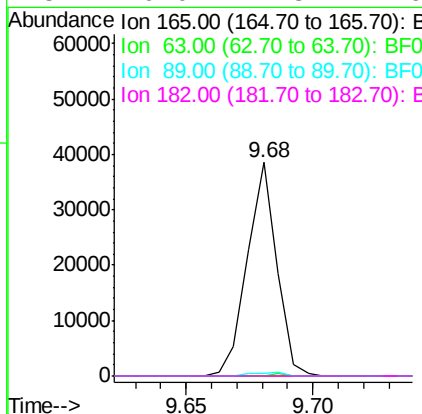
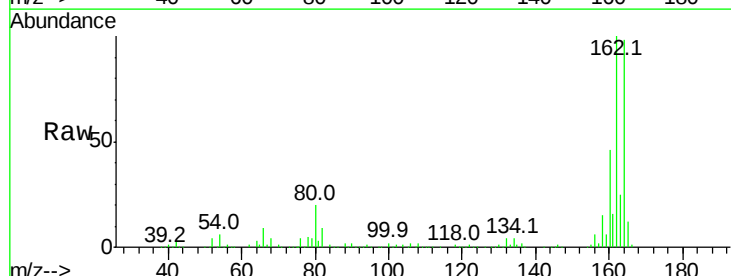
Instrument :
BNA_F
ClientSampleId :
RL-8-13-26

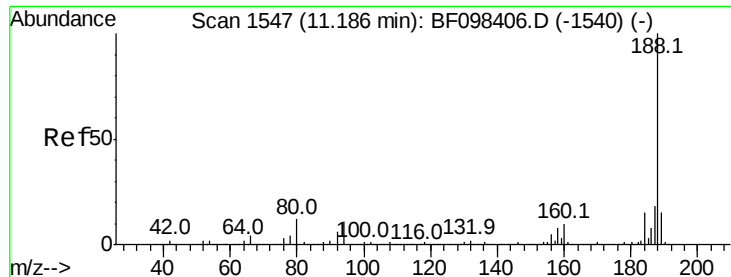
Tot Ion:163 Resp: 187423
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.9 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.577 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.22 min
Lab File: BF098544.D
Acq: 14 Sep 2017 22:49

Tgt Ion:165 Resp: 31176
Ion Ratio Lower Upper
165 100
63 0.0 25.4 38.0#
89 1.5 46.4 69.6#
182 0.0 1.8 2.6#

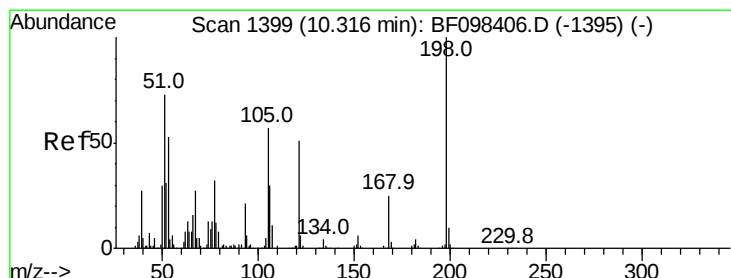
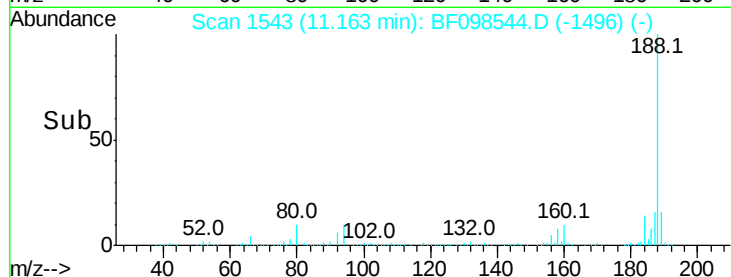
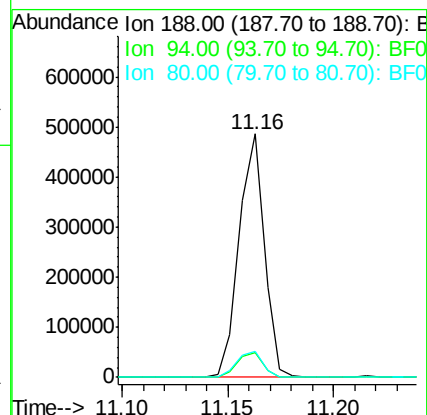
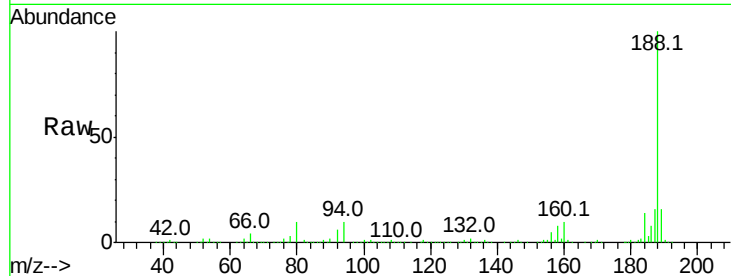




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BF098544.D
 Acq: 14 Sep 2017 22:49

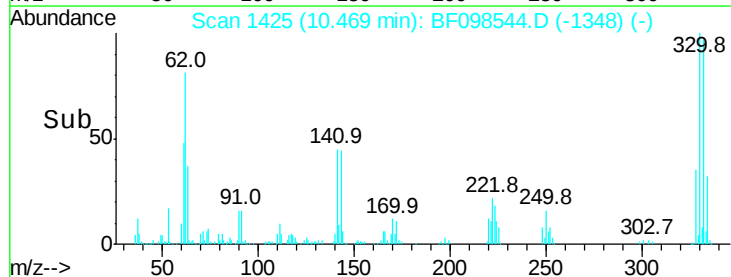
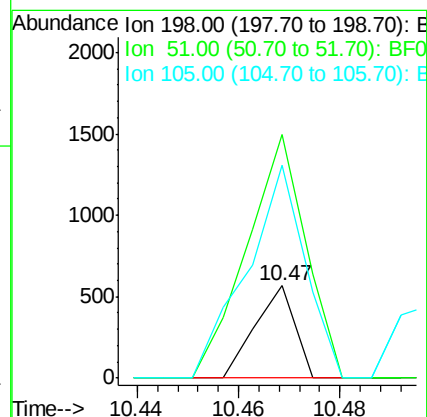
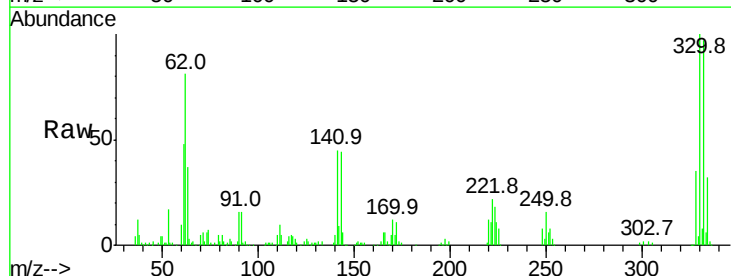
Instrument :
 BNA_F
 ClientSampleId :
 RL-8-13-26

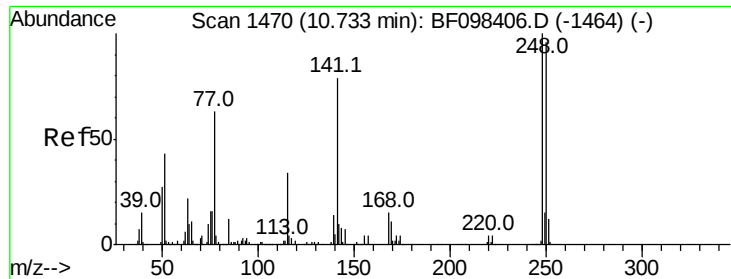
Tot Ion:188 Resp: 400742
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.4 14.2
 80 10.4 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.076 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.15 min
 Lab File: BF098544.D
 Acq: 14 Sep 2017 22:49

Tgt Ion:198 Resp: 306
 Ion Ratio Lower Upper
 198 100
 51 264.3 53.2 93.2#
 105 230.7 45.8 85.8#

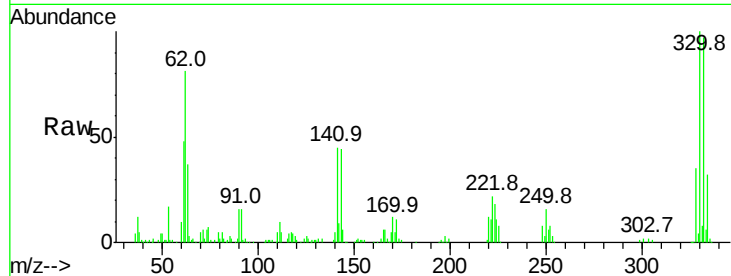




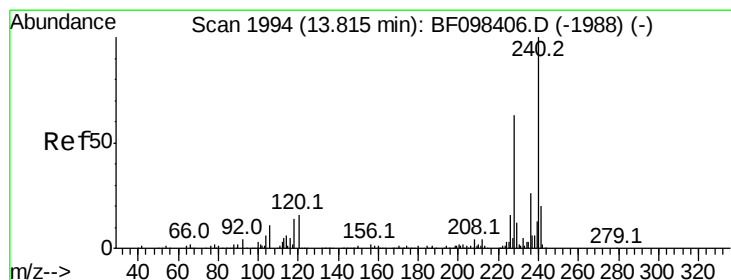
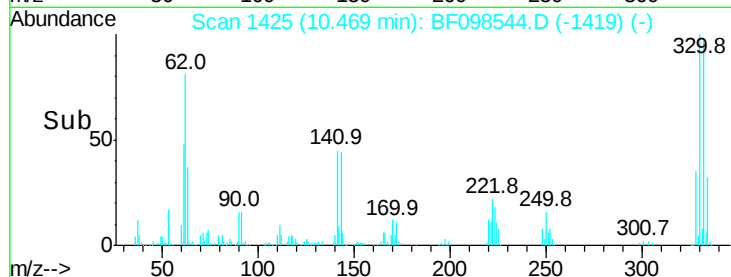
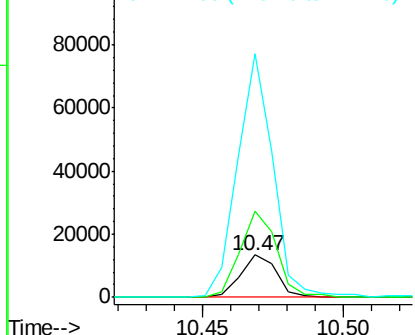
#66
4-Bromophenyl-phenylether
Concen: 3.090 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.26 min
Lab File: BF098544.D
Acq: 14 Sep 2017 22:49

Instrument :
BNA_F
ClientSampleId :
RL-8-13-26

Tot Ion:248 Resp: 11754
Ion Ratio Lower Upper
248 100
250 204.0 76.8 115.2#
141 572.5 68.6 103.0#

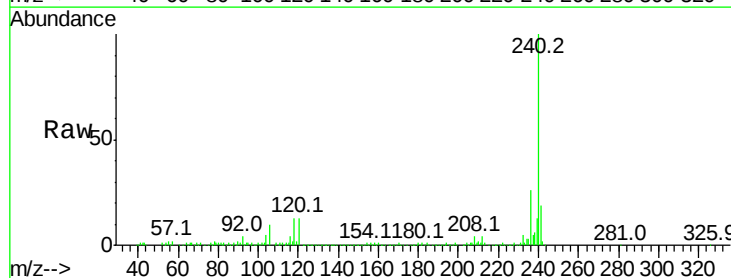


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

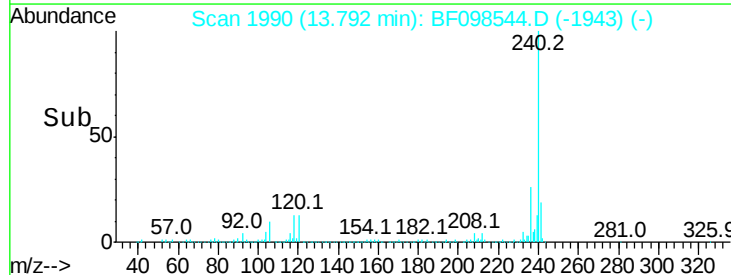
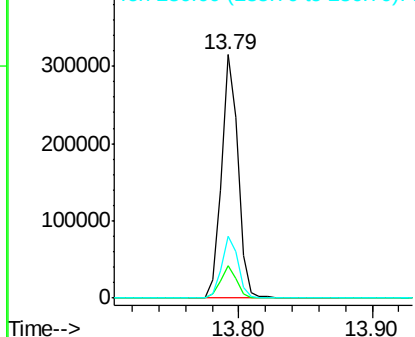


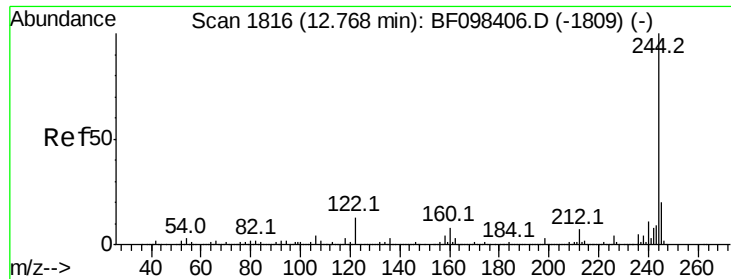
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.02 min
Lab File: BF098544.D
Acq: 14 Sep 2017 22:49

Tgt Ion:240 Resp: 276644
Ion Ratio Lower Upper
240 100
120 13.5 5.8 8.8#
236 25.5 20.5 30.7



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

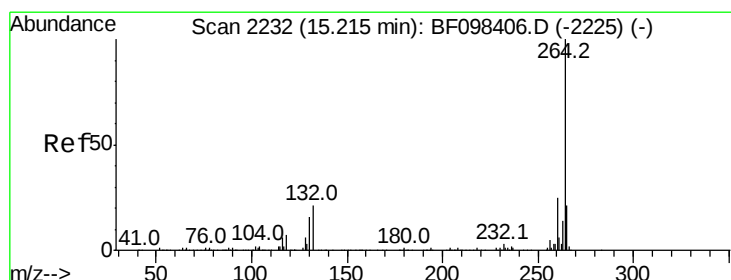
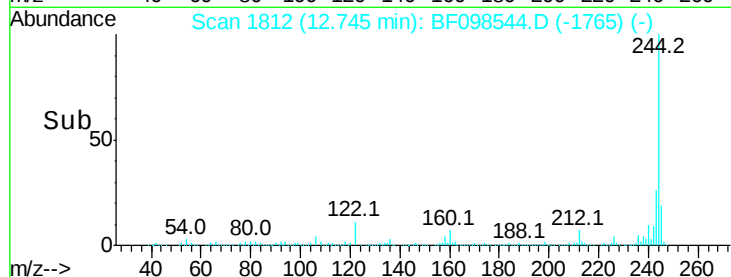
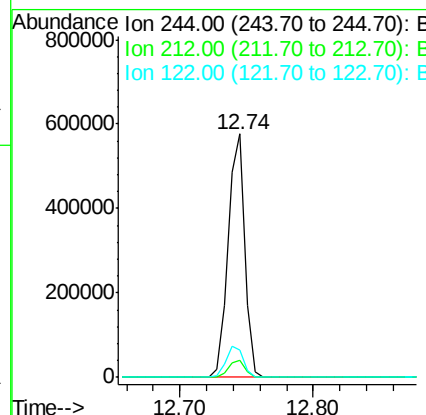
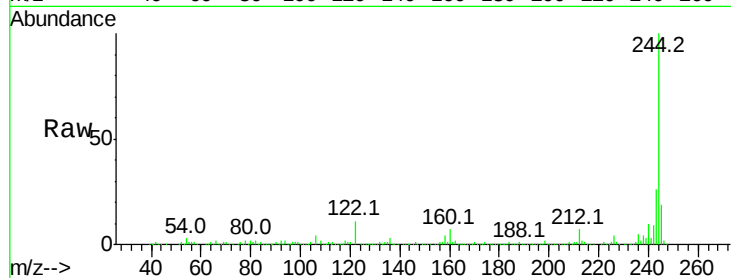




#78
 Terphenyl-d14
 Concen: 39.877 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.02 min
 Lab File: BF098544.D
 Acq: 14 Sep 2017 22:49

Instrument :
 BNA_F
 ClientSampleId :
 RL-8-13-26

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	11.3	10.3	15.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.19 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BF098544.D
 Acq: 14 Sep 2017 22:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.6	17.2	25.8

