

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051117\
 Data File : BM010011.D
 Acq On : 12 May 2017 07:05
 Operator : SJ/MA
 Sample : I3079-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 12 08:06:56 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 19:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	60257	20.00	ng	-0.02
21) Naphthalene-d8	10.56	136	262587	20.00	ng	-0.02
38) Acenaphthene-d10	14.42	164	175814	20.00	ng	-0.02
63) Phenanthrene-d10	17.17	188	447109	20.00	ng	-0.03
75) Chrysene-d12	21.36	240	485129	20.00	ng	-0.03
86) Perylene-d12	23.65	264	371797	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	229701	59.65	ng	-0.02
7) Phenol-d6	6.97	99	227060	36.80	ng	0.00
23) Nitrobenzene-d5	8.93	82	651456	90.67	ng	-0.02
41) 2,4,6-Tribromophenol	15.92	330	394852	164.10	ng	-0.02
44) 2-Fluorobiphenyl	13.03	172	1176263	89.47	ng	-0.02
78) Terphenyl-d14	19.80	244	1835647	79.75	ng	-0.02

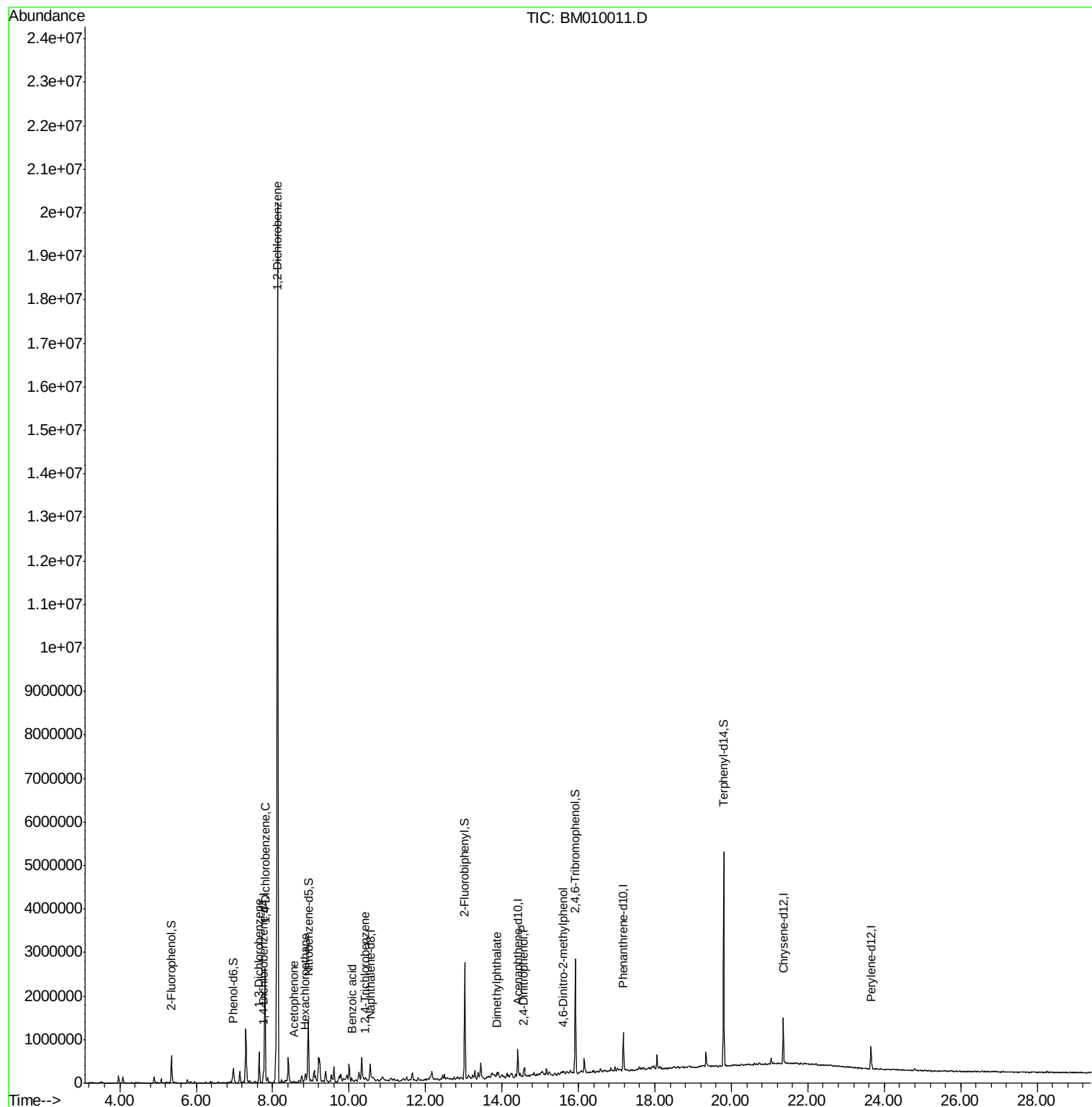
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,3-Dichlorobenzene	7.65	146	203707	43.65	ng	# 83
13) 1,4-Dichlorobenzene	7.80	146	827721	173.10	ng	# 94
14) 1,2-Dichlorobenzene	8.13	146	7441885	1605.20	ng	# 93
18) Hexachloroethane	8.85	117	6114	3.08	ng	# 1
22) Acetophenone	8.55	105	21060	2.62	ng	# 57
30) 1,2,4-Trichlorobenzene	10.42	180	11201	2.29	ng	# 89
32) Benzoic acid	10.07	122	24361	8.45	ng	# 26
49) Dimethylphthalate	13.87	163	49231	3.18	ng	# 96
53) 2,4-Dinitrophenol	14.55	184	134	9.09	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.60	198	1450	6.29	ng	# 1

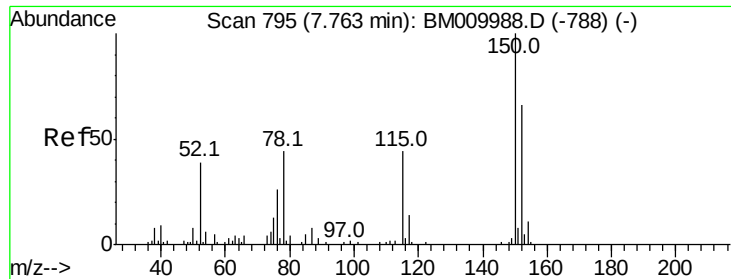
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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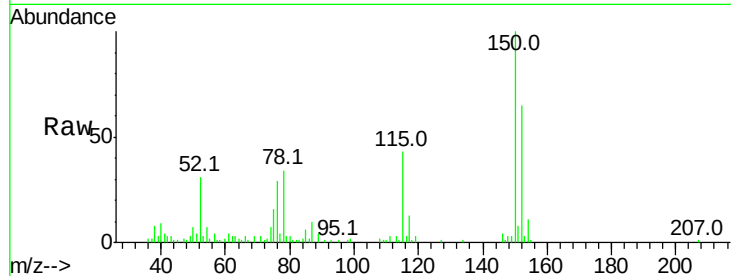


#1

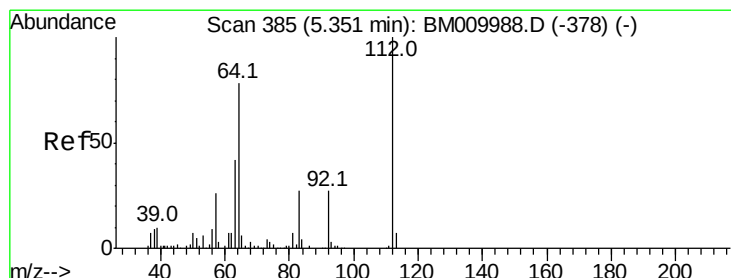
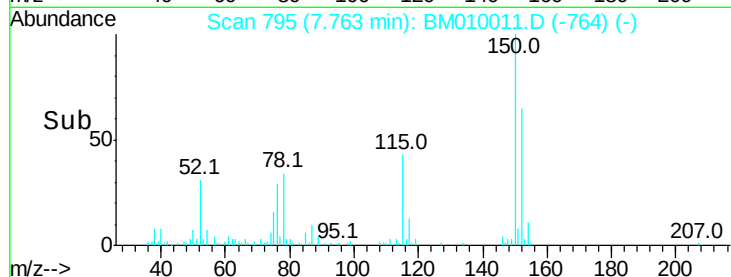
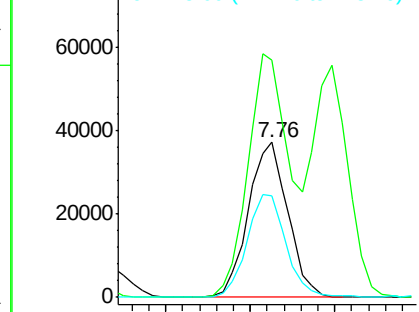
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 795
Delta R.T. -0.02 min
Lab File: BM010011.D
Acq: 12 May 2017 07:05

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	119.5	179.3
115	65.5	43.0	64.4#



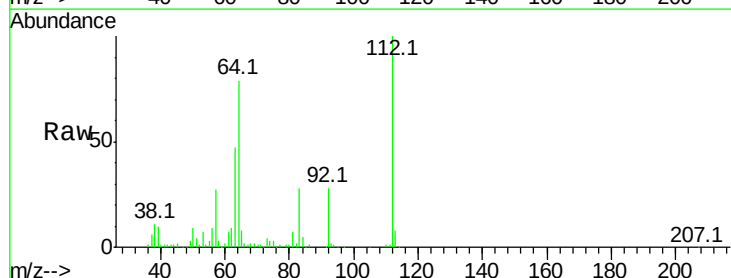
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



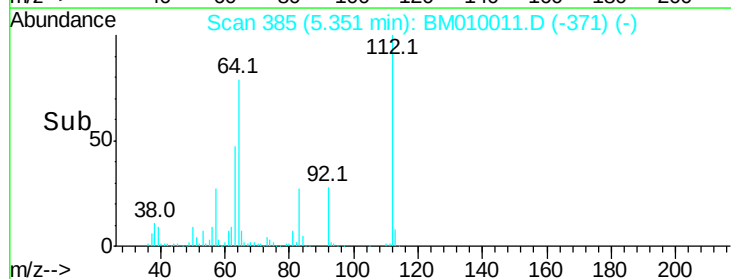
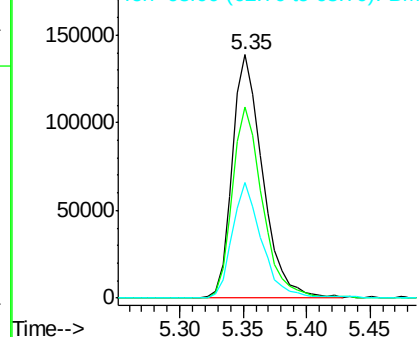
#5

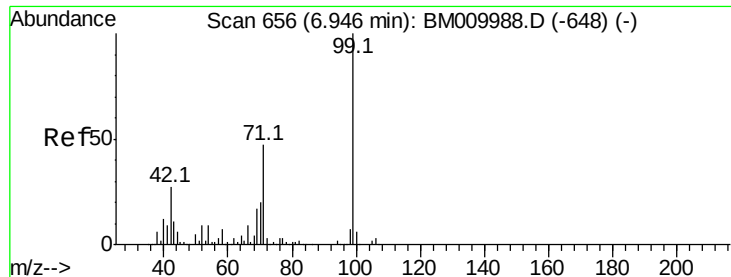
2-Fluorophenol
Concen: 59.65 ng
RT: 5.35 min Scan# 385
Delta R.T. -0.02 min
Lab File: BM010011.D
Acq: 12 May 2017 07:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.6	38.6	57.8#
63	47.4	19.3	28.9#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 36.80 ng

RT: 6.97 min Scan# 660

Delta R.T. -0.00 min

Lab File: BM010011.D

Acq: 12 May 2017 07:05

Instrument :

BNA_M

ClientSampled :

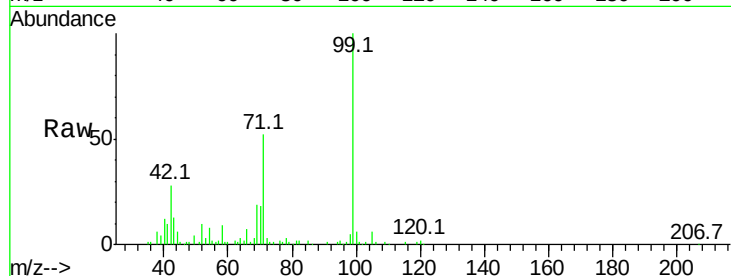
Tot Ion: 99 Resp: 227060

Ion Ratio Lower Upper

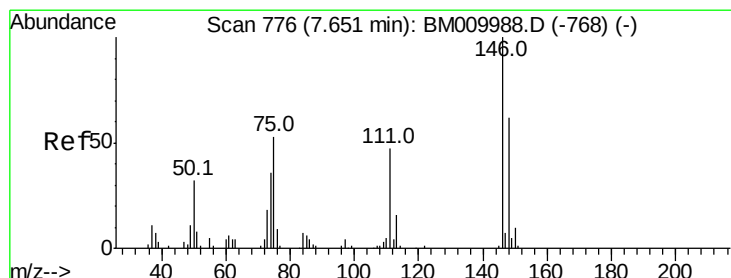
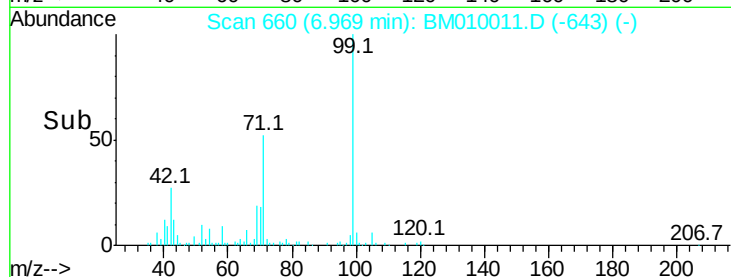
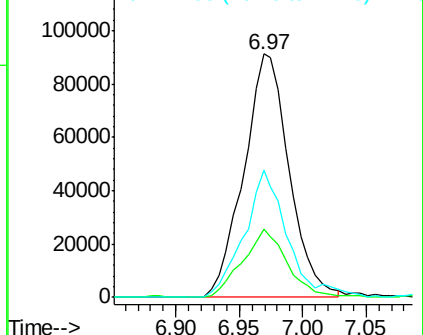
99 100

42 27.8 11.0 16.4#

71 52.2 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM0
Ion 42.00 (41.70 to 42.70): BM0
Ion 71.00 (70.70 to 71.70): BM0



#12

1,3-Dichlorobenzene

Concen: 43.65 ng

RT: 7.65 min Scan# 775

Delta R.T. -0.02 min

Lab File: BM010011.D

Acq: 12 May 2017 07:05

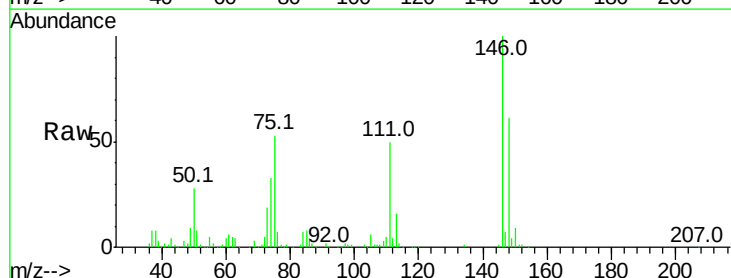
Tgt Ion: 146 Resp: 203707

Ion Ratio Lower Upper

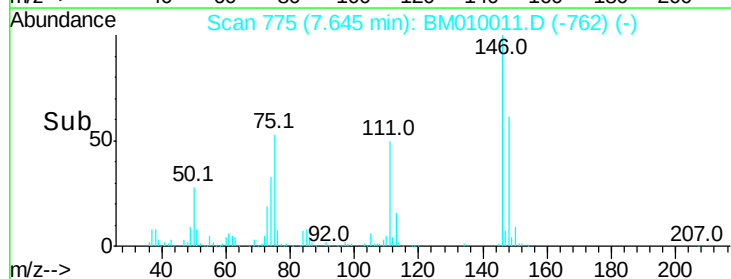
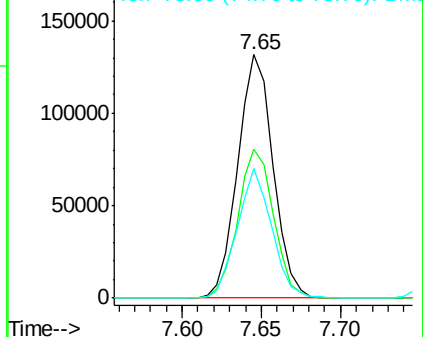
146 100

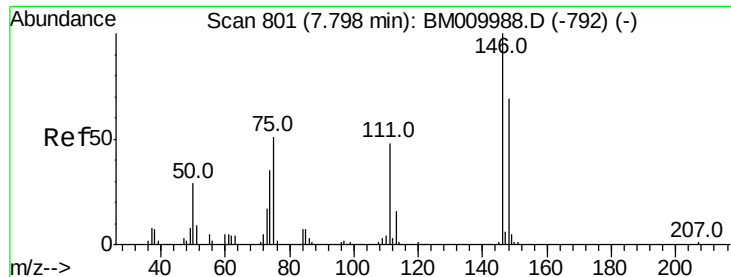
148 61.0 50.9 76.3

75 53.1 21.4 32.2#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BM0

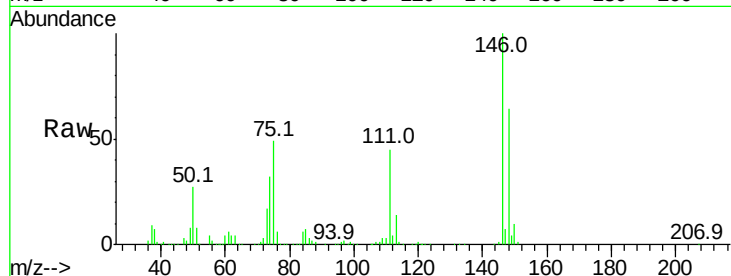




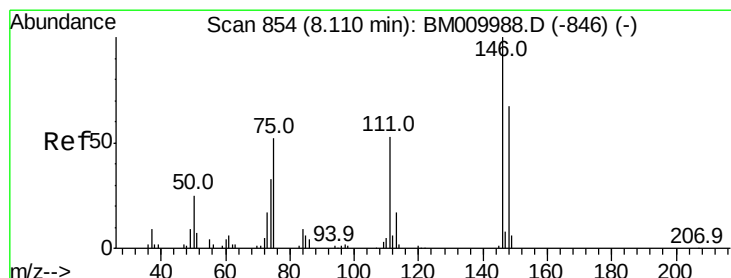
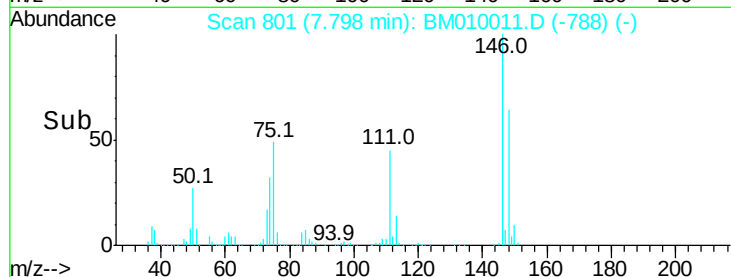
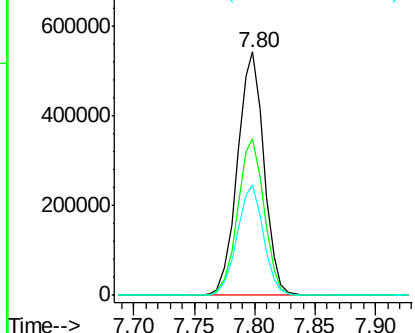
#13
1,4-Dichlorobenzene
Concen: 173.10 ng
RT: 7.80 min Scan# 801
Delta R.T. -0.02 min
Lab File: BM010011.D
Acq: 12 May 2017 07:05

Instrument :
BNA_M
ClientSampleId :

Tot Ion:146 Resp: 827721
Ion Ratio Lower Upper
146 100
148 64.3 51.9 77.9
111 45.2 29.2 43.8#

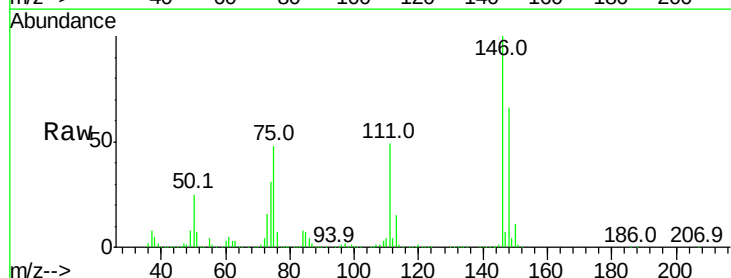


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

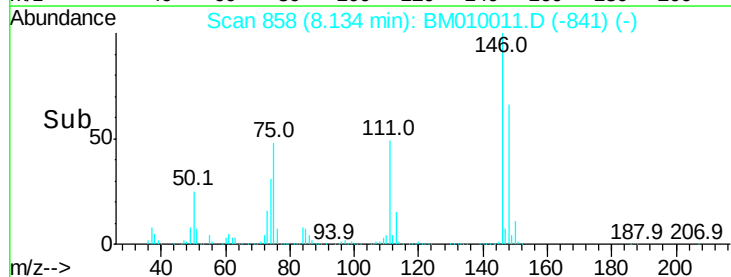
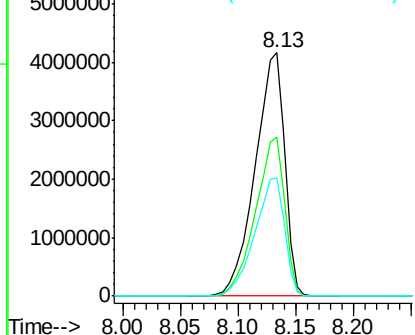


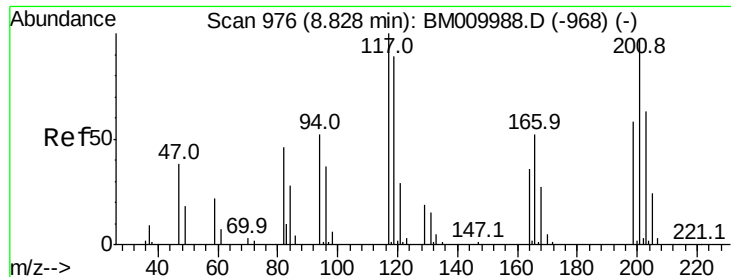
#14
1,2-Dichlorobenzene
Concen: 1605.20 ng
RT: 8.13 min Scan# 858
Delta R.T. -0.00 min
Lab File: BM010011.D
Acq: 12 May 2017 07:05

Tgt Ion:146 Resp: 7441885
Ion Ratio Lower Upper
146 100
148 65.6 52.3 78.5
111 48.7 30.6 45.8#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

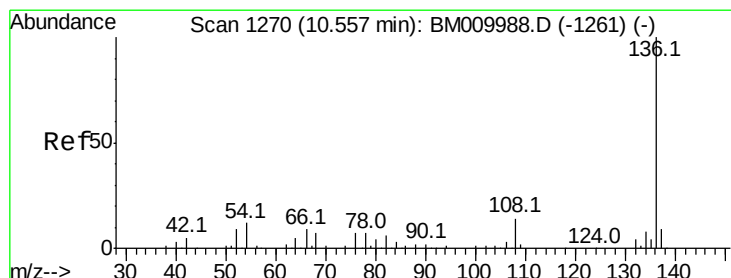
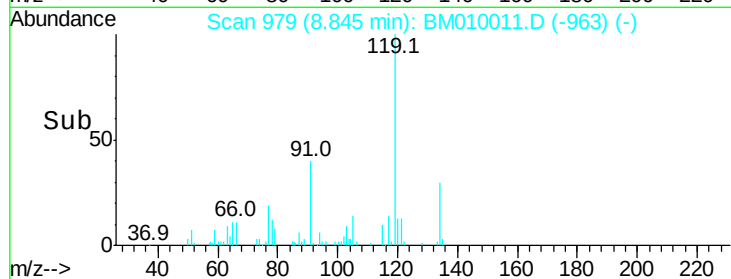
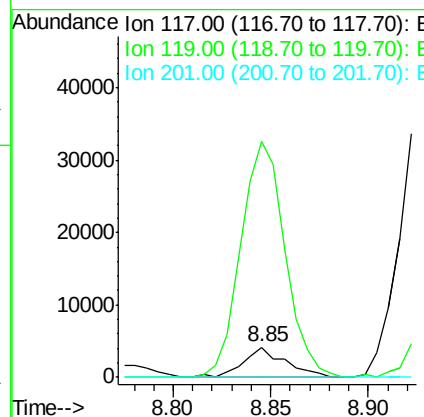
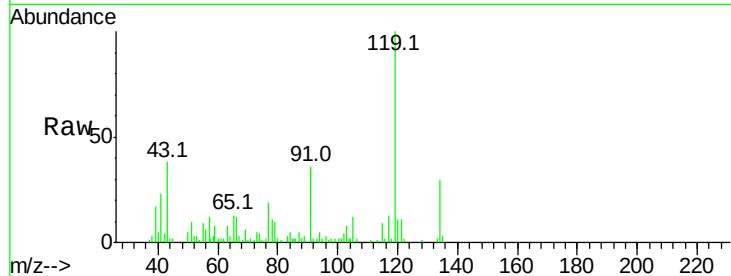




#18
Hexachloroethane
Concen: 3.08 ng
RT: 8.85 min Scan# 979
Delta R.T. -0.01 min
Lab File: BM010011.D
Acq: 12 May 2017 07:05

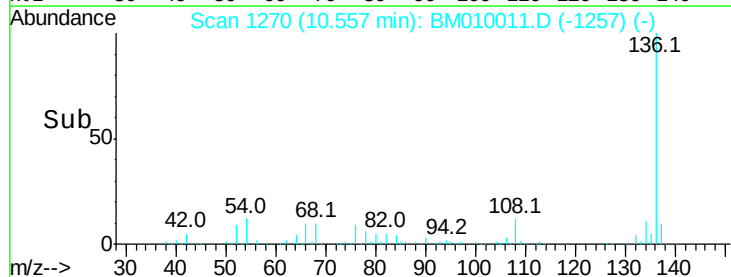
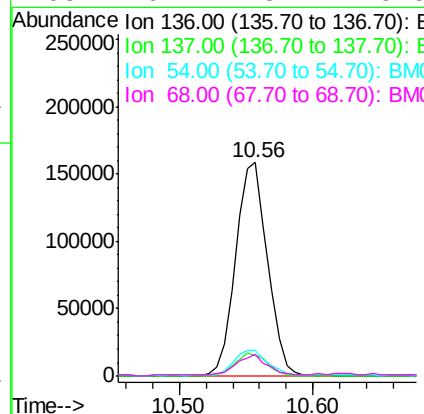
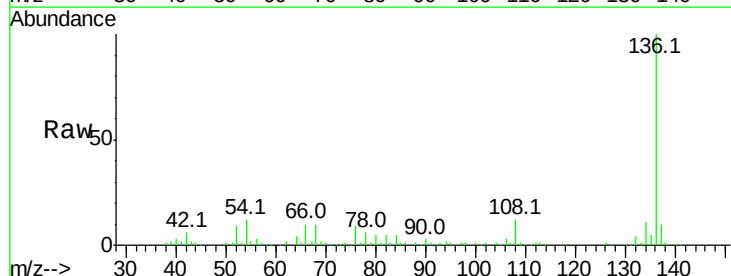
Instrument :
BNA_M
ClientSampled :

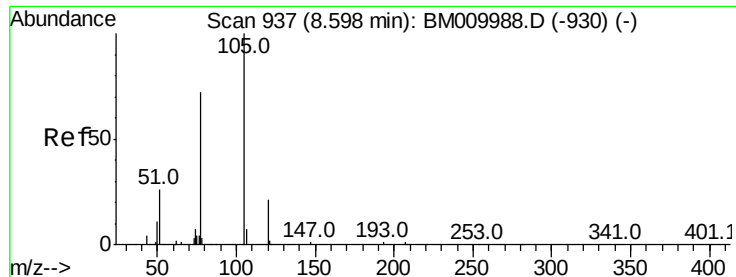
Tot Ion:117 Resp: 6114
Ion Ratio Lower Upper
117 100
119 776.0 79.2 118.8#
201 0.0 69.8 104.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BM010011.D
Acq: 12 May 2017 07:05

Tgt Ion:136 Resp: 262587
Ion Ratio Lower Upper
136 100
137 9.7 8.7 13.1
54 11.9 4.6 6.8#
68 10.2 3.7 5.5#





#22

Acetophenone

Concen: 2.62 ng

RT: 8.55 min Scan# 928

Delta R.T. -0.07 min

Lab File: BM010011.D

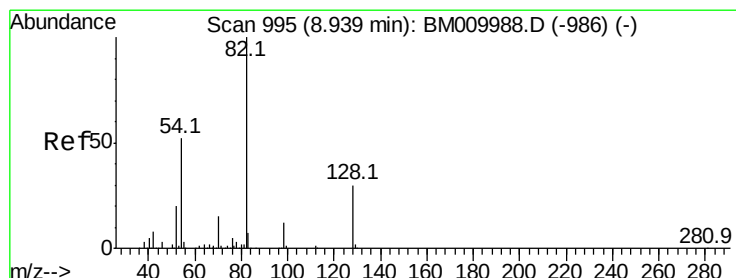
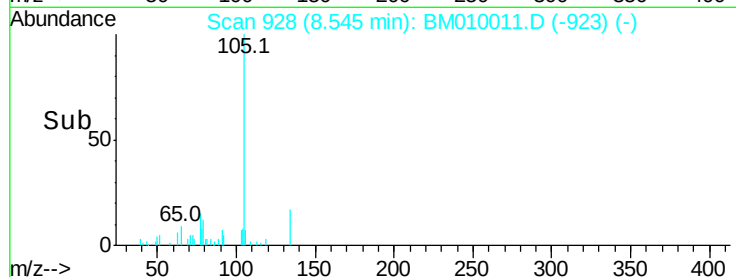
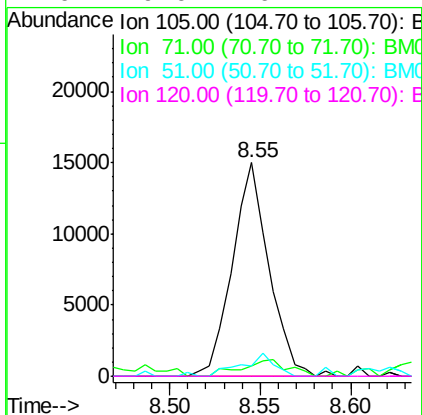
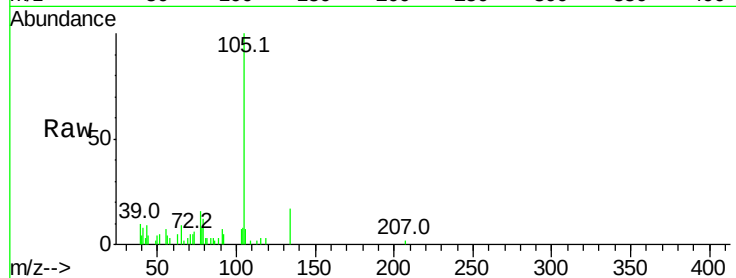
Acq: 12 May 2017 07:05

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	105	Resp:	21060
Ion Ratio	Lower	Upper	
105	100		
71	5.1	0.6	1.0#
51	4.7	21.6	32.4#
120	0.0	16.1	24.1#



#23

Nitrobenzene-d5

Concen: 90.67 ng

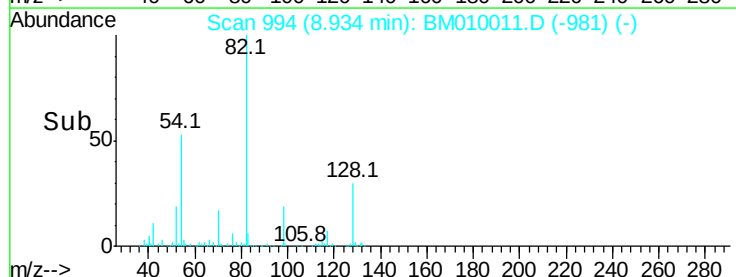
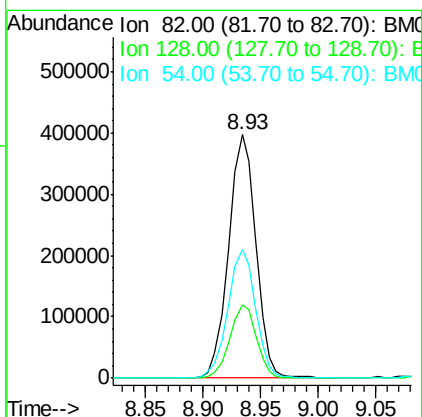
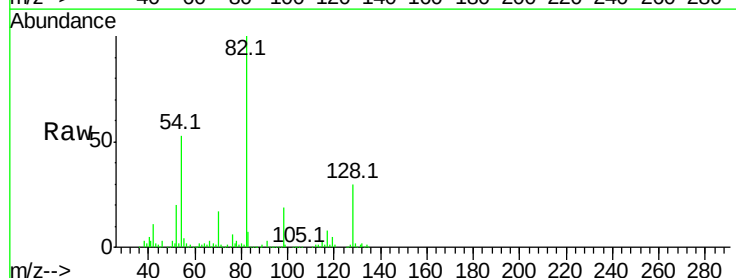
RT: 8.93 min Scan# 994

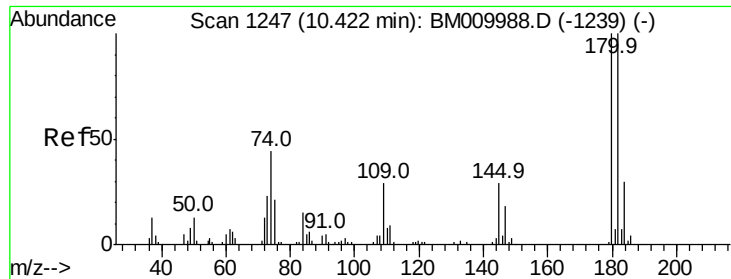
Delta R.T. -0.02 min

Lab File: BM010011.D

Acq: 12 May 2017 07:05

Tgt Ion:	82	Resp:	651456
Ion Ratio	Lower	Upper	
82	100		
128	30.0	32.8	49.2#
54	52.9	40.6	60.8

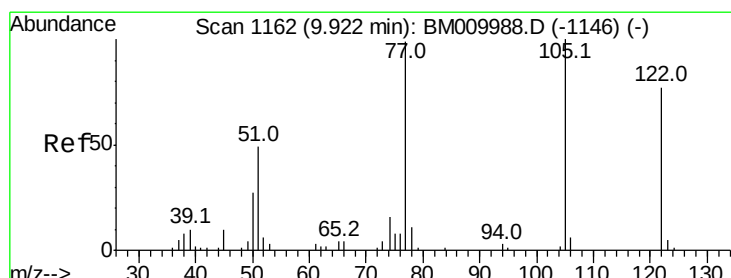
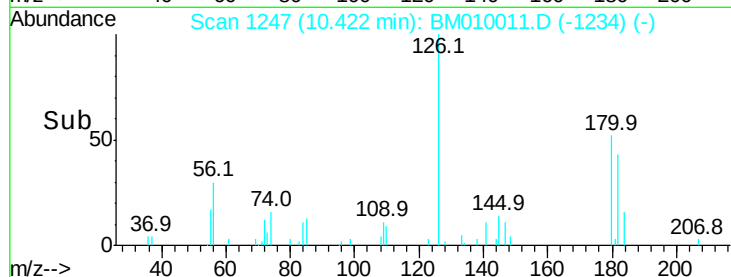
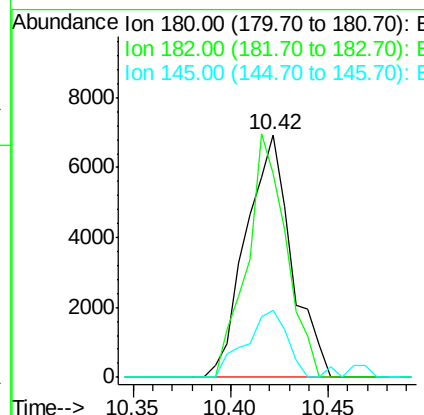
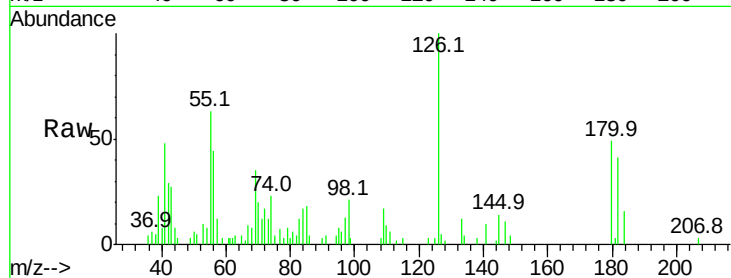




#30
 1,2,4-Trichlorobenzene
 Concen: 2.29 ng
 RT: 10.42 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: BM010011.D
 Acq: 12 May 2017 07:05

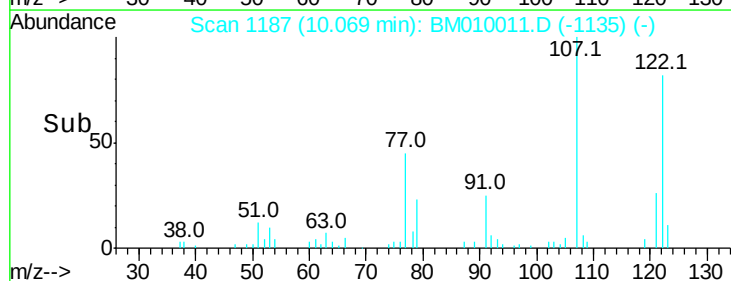
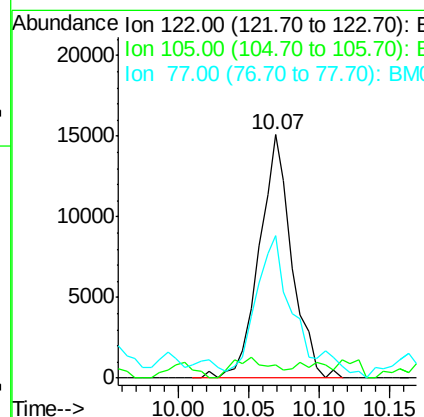
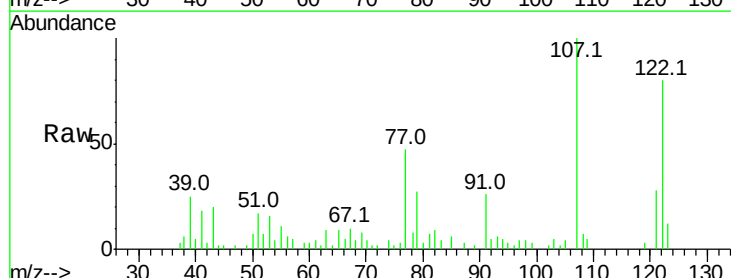
Instrument :
 BNA_M
 ClientSampleId :

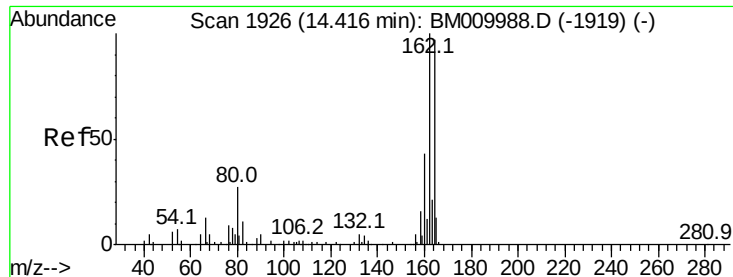
Tot Ion	Ratio	Lower	Upper
180	100		
182	83.8	77.6	116.4
145	27.5	23.4	35.2



#32
 Benzoic acid
 Concen: 8.45 ng
 RT: 10.07 min Scan# 1187
 Delta R.T. 0.11 min
 Lab File: BM010011.D
 Acq: 12 May 2017 07:05

Tgt Ion	Ratio	Lower	Upper
122	100		
105	5.3	99.9	139.9#
77	58.6	73.7	113.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.42 min Scan# 1926

Delta R.T. -0.02 min

Lab File: BM010011.D

Acq: 12 May 2017 07:05

Instrument :

BNA_M

ClientSampleId :

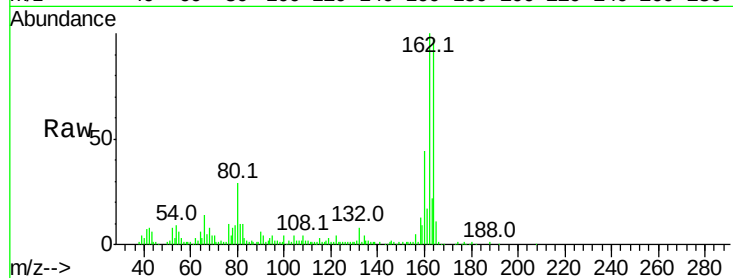
Tot Ion:164 Resp: 175814

Ion Ratio Lower Upper

164 100

162 103.1 82.4 123.6

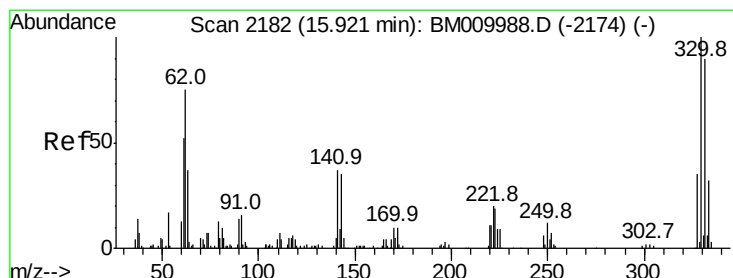
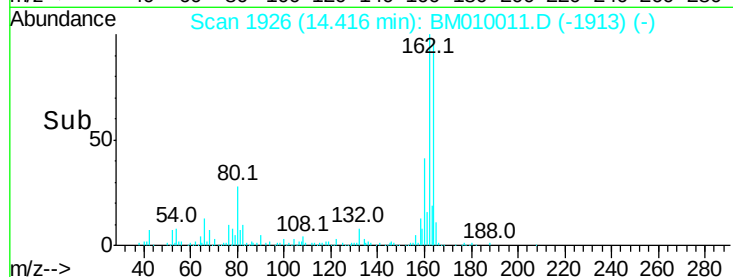
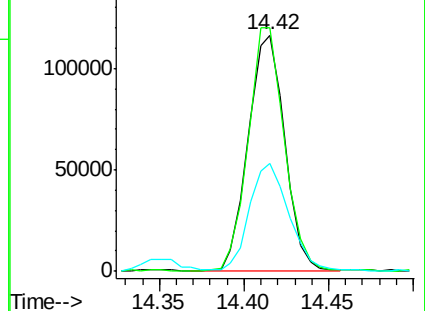
160 45.7 35.8 53.6



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: 164.10 ng

RT: 15.92 min Scan# 2181

Delta R.T. -0.02 min

Lab File: BM010011.D

Acq: 12 May 2017 07:05

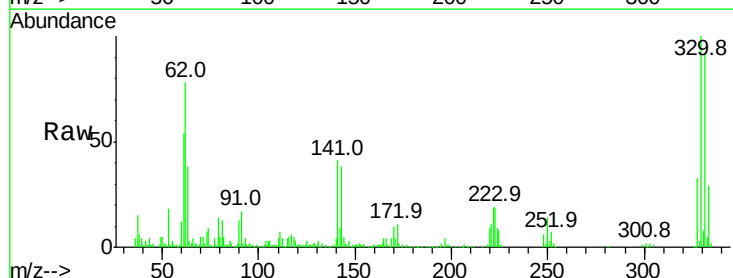
Tgt Ion:330 Resp: 394852

Ion Ratio Lower Upper

330 100

332 95.5 0.0 0.0#

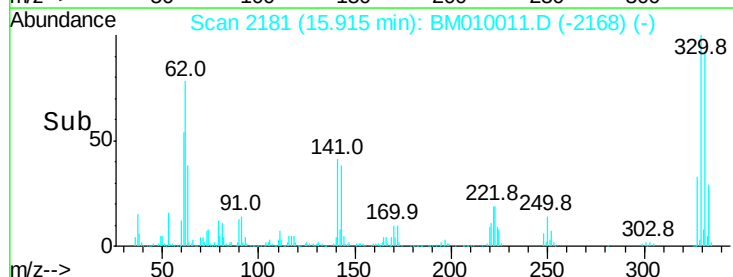
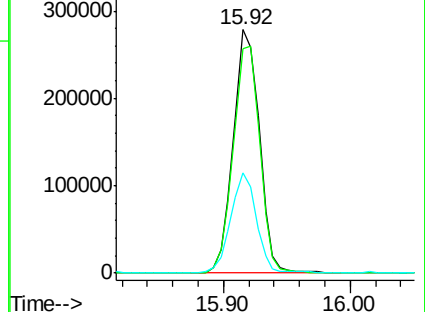
141 40.1 0.0 0.0#

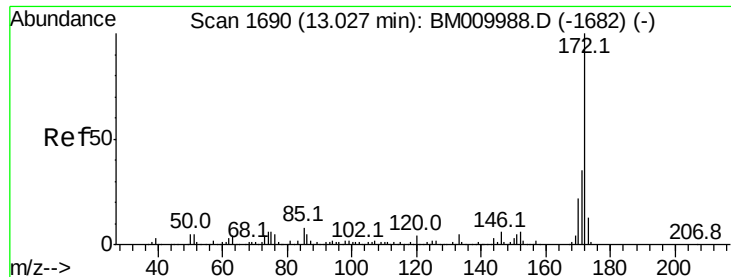


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

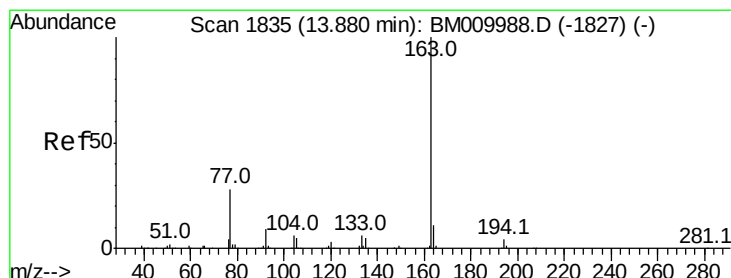
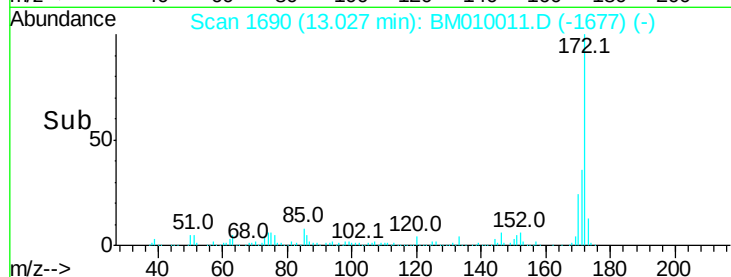
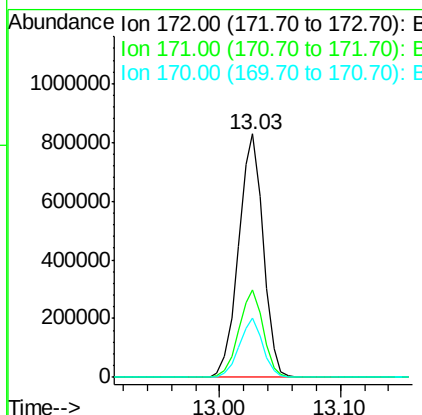
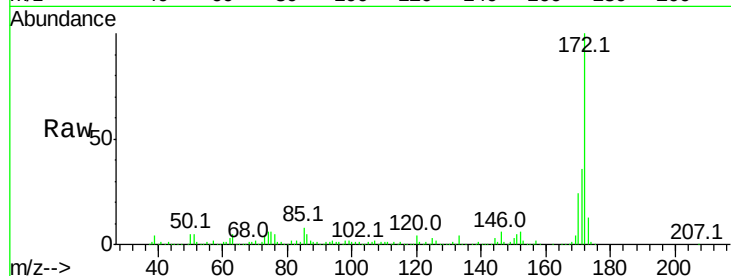




#44
2-Fluorobiphenyl
Concen: 89.47 ng
RT: 13.03 min Scan# 1690
Delta R.T. -0.02 min
Lab File: BM010011.D
Acq: 12 May 2017 07:05

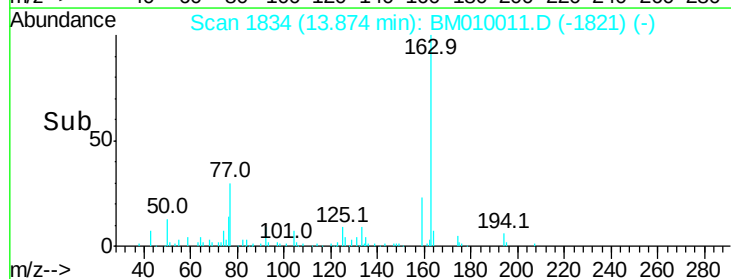
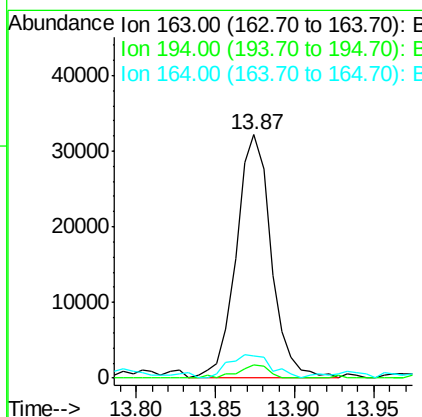
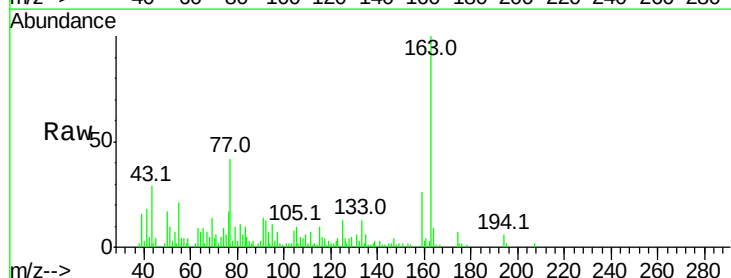
Instrument :
BNA_M
ClientSampleId :

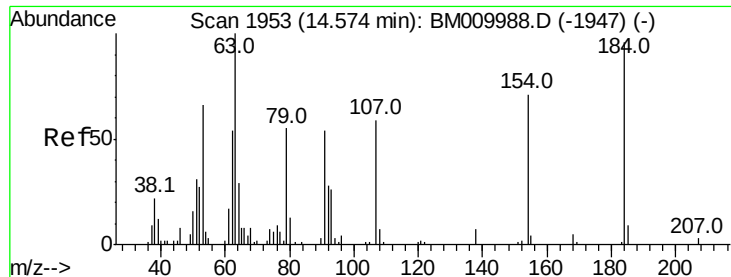
Tot Ion:172 Resp: 1176263
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.2 18.8 28.2



#49
Dimethylphthalate
Concen: 3.18 ng
RT: 13.87 min Scan# 1834
Delta R.T. -0.02 min
Lab File: BM010011.D
Acq: 12 May 2017 07:05

Tgt Ion:163 Resp: 49231
Ion Ratio Lower Upper
163 100
194 5.5 2.7 4.1#
164 9.2 8.2 12.2

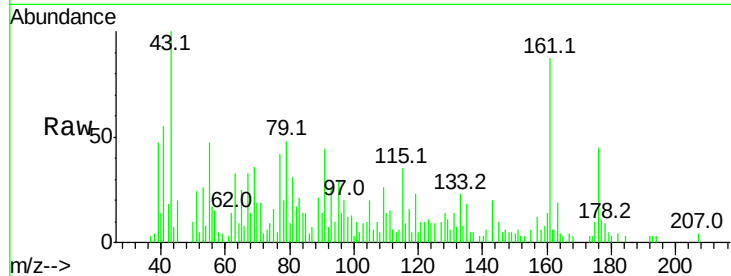




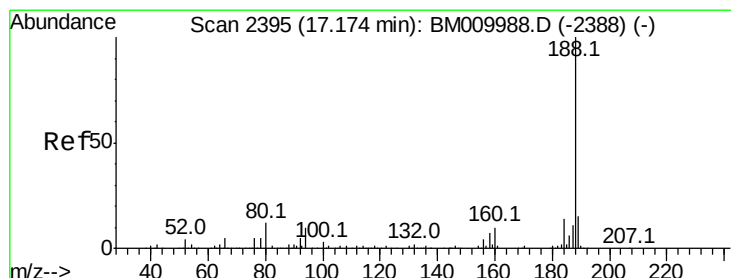
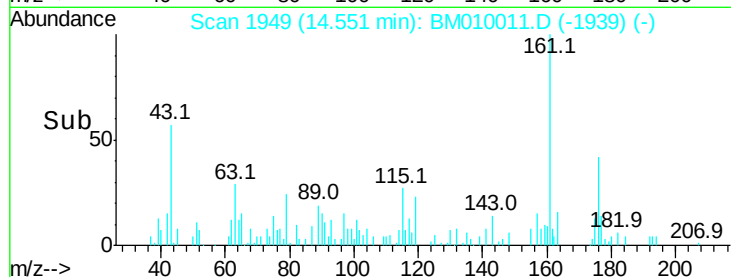
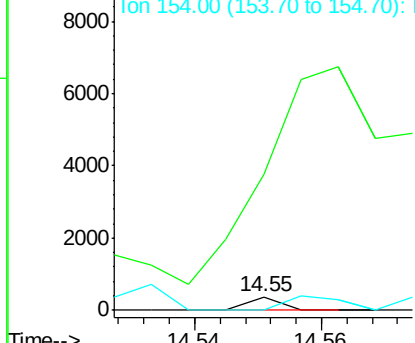
#53
2,4-Dinitrophenol
Concen: 9.09 ng
RT: 14.55 min Scan# 1949
Delta R.T. -0.04 min
Lab File: BM010011.D
Acq: 12 May 2017 07:05

Instrument :
BNA_M
ClientSampleId :

Tot Ion:184 Resp: 134
Ion Ratio Lower Upper
184 100
63 987.7 69.2 103.8#
154 0.0 53.3 79.9#

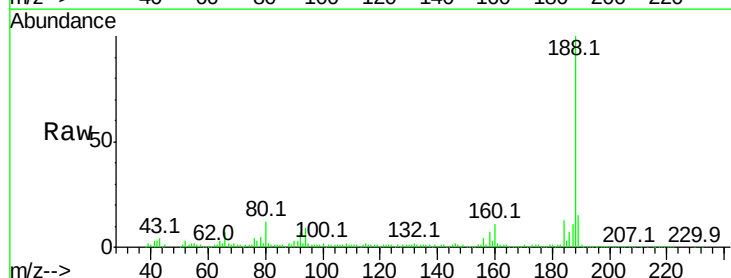


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 154.00 (153.70 to 154.70): E

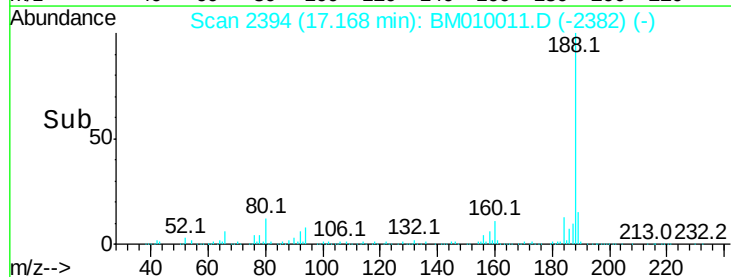
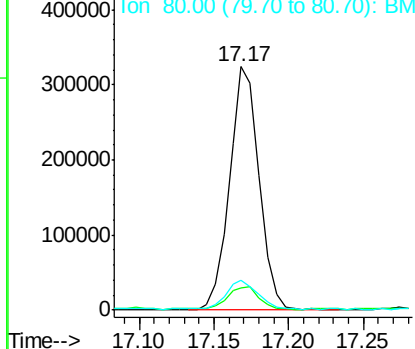


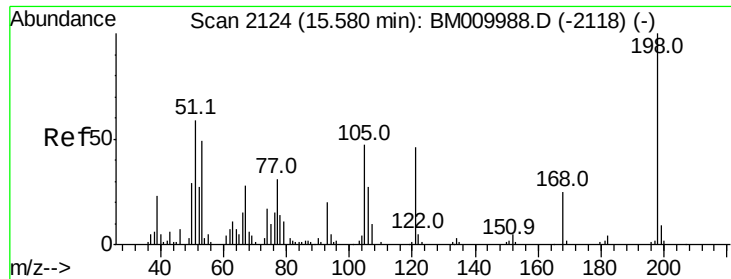
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.17 min Scan# 2394
Delta R.T. -0.03 min
Lab File: BM010011.D
Acq: 12 May 2017 07:05

Tgt Ion:188 Resp: 447109
Ion Ratio Lower Upper
188 100
94 9.3 8.7 13.1
80 12.2 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.29 ng

RT: 15.60 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BM010011.D

Acq: 12 May 2017 07:05

Instrument :

BNA_M

ClientSampleId :

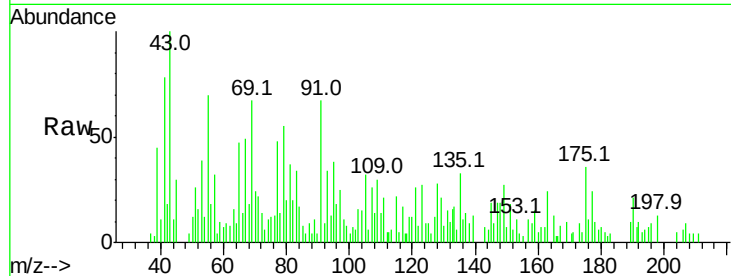
Tot Ion:198 Resp: 1450

Ion Ratio Lower Upper

198 100

51 208.9 28.8 68.8#

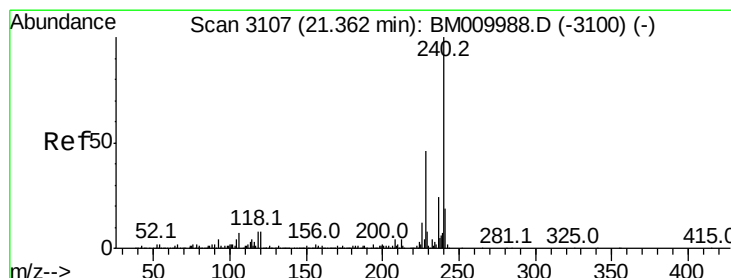
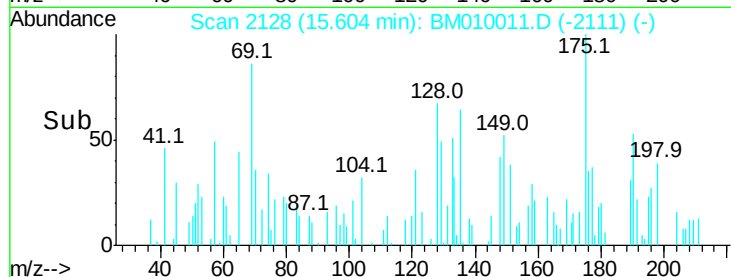
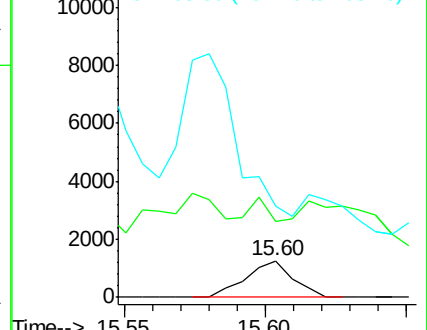
105 250.6 30.5 70.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.36 min Scan# 3106

Delta R.T. -0.03 min

Lab File: BM010011.D

Acq: 12 May 2017 07:05

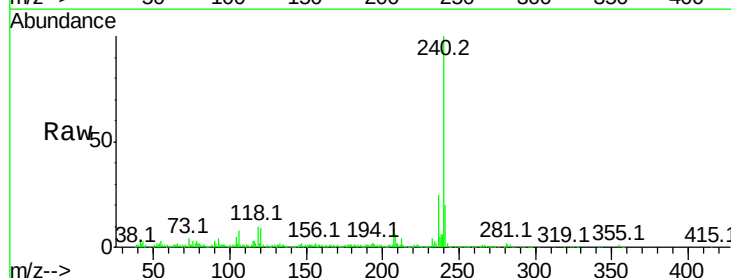
Tgt Ion:240 Resp: 485129

Ion Ratio Lower Upper

240 100

120 9.4 8.2 12.2

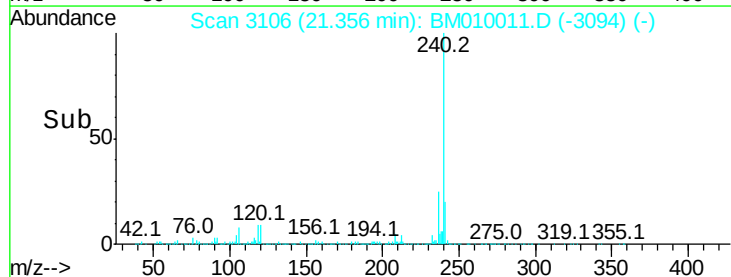
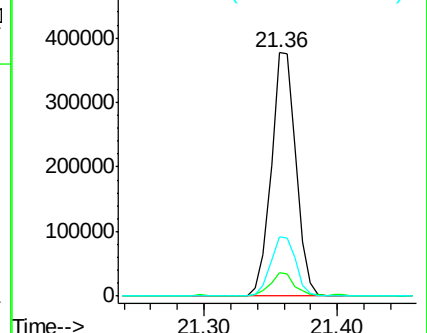
236 24.5 20.0 30.0

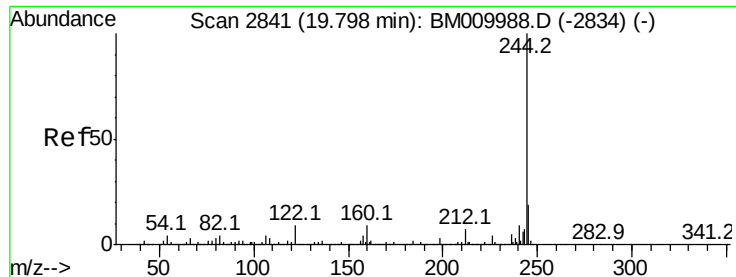


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 79.75 ng

RT: 19.80 min Scan# 2841

Delta R.T. -0.02 min

Lab File: BM010011.D

Acq: 12 May 2017 07:05

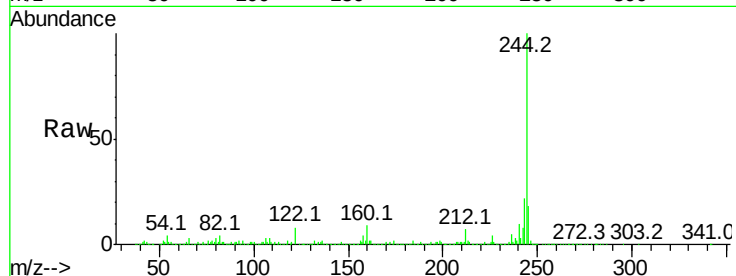
Instrument :

BNA_M

ClientSampleId :

Tot Ion:244 Resp: 1835647

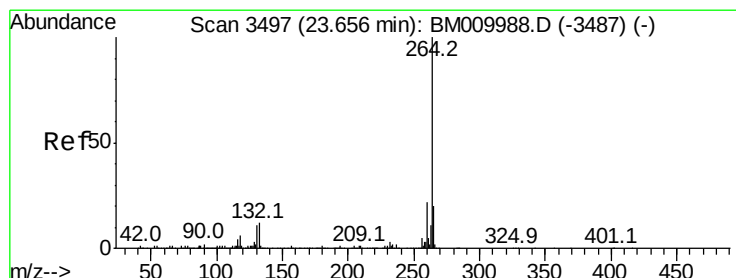
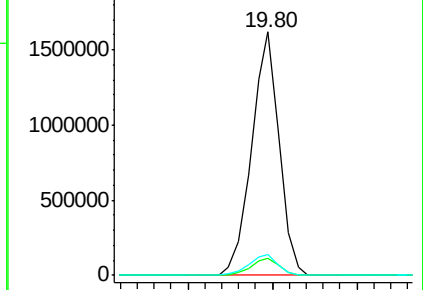
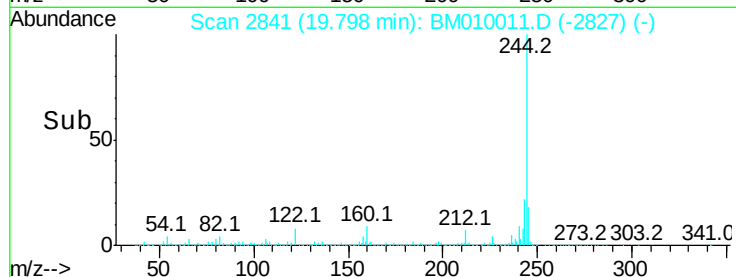
Ion	Ratio	Lower	Upper
244	100		
212	7.0	4.9	7.3
122	8.5	6.2	9.4



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: 20.00 ng

RT: 23.65 min Scan# 3496

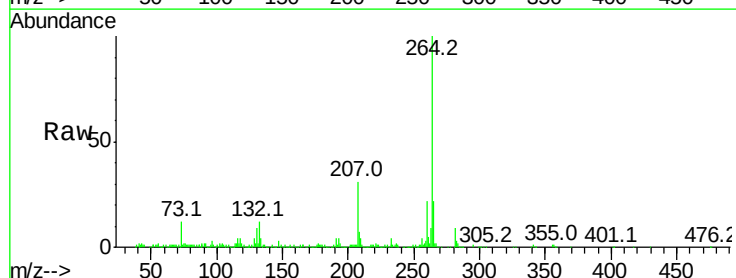
Delta R.T. -0.04 min

Lab File: BM010011.D

Acq: 12 May 2017 07:05

Tgt Ion:264 Resp: 371797

Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.6	27.8
265	21.7	17.3	25.9



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

