

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052217\
 Data File : BM010124.D
 Acq On : 23 May 2017 04:11
 Operator : SJ/MA
 Sample : I3222-11
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EX-21

Quant Time: May 23 06:51:12 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:25:49 2017
 Response via : Initial Calibration

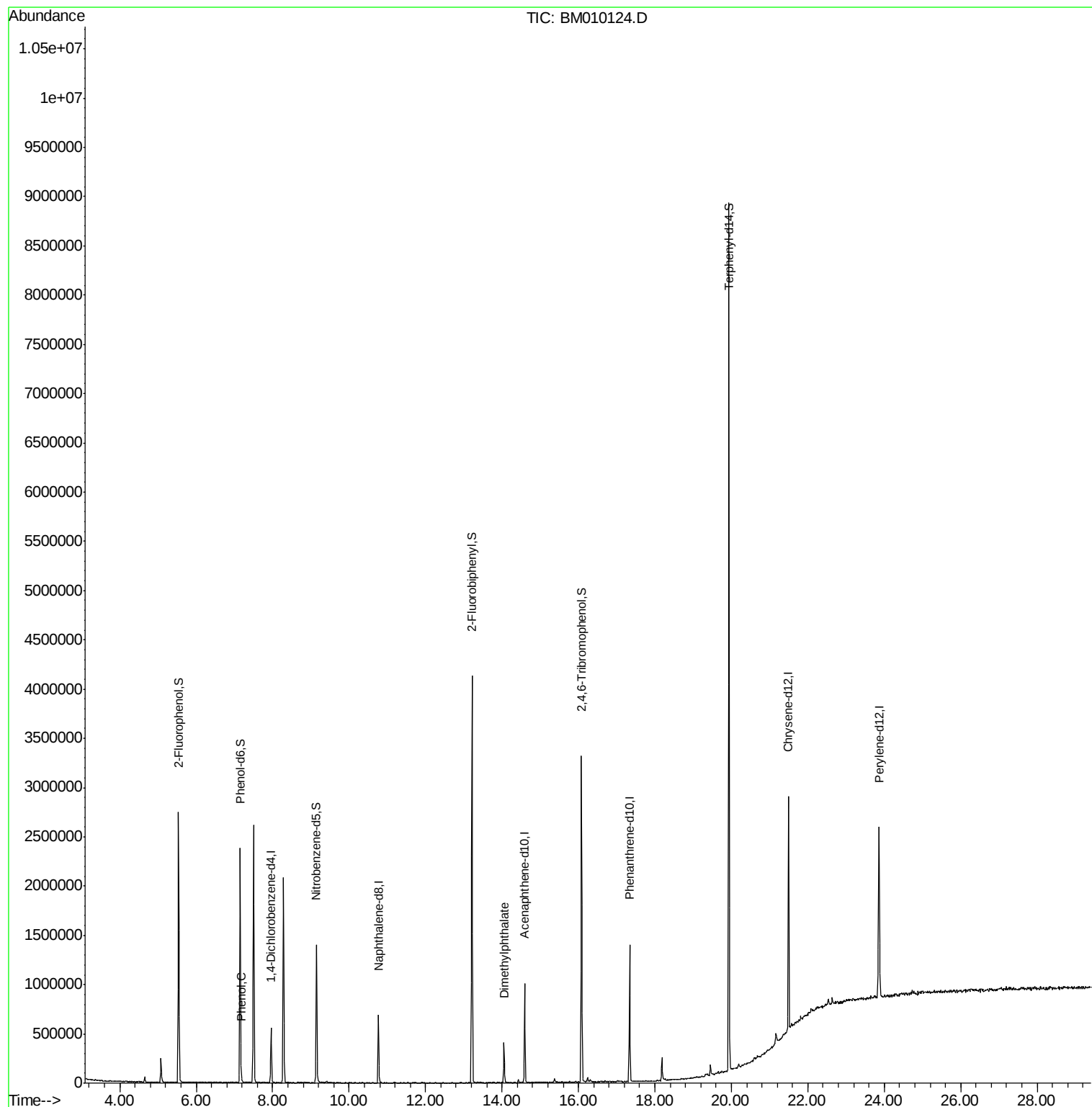
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	148908	20.00	ng	-0.01
21) Naphthalene-d8	10.77	136	496301	20.00	ng	-0.02
38) Acenaphthene-d10	14.59	164	315562	20.00	ng	-0.02
63) Phenanthrene-d10	17.33	188	802741	20.00	ng	-0.02
75) Chrysene-d12	21.49	240	1226985	20.00	ng	-0.02
86) Perylene-d12	23.86	264	1405208	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1001724	121.48	ng	-0.02
7) Phenol-d6	7.15	99	1238743	116.75	ng	-0.02
23) Nitrobenzene-d5	9.15	82	791888	86.08	ng	-0.02
41) 2,4,6-Tribromophenol	16.08	330	593749	123.89	ng	-0.02
44) 2-Fluorobiphenyl	13.22	172	2006644	81.75	ng	-0.02
78) Terphenyl-d14	19.94	244	3538183	65.57	ng	-0.01
Target Compounds						
10) Phenol	7.18	94	26091	2.33	ng	Qvalue 99
49) Dimethylphthalate	14.05	163	239660	8.51	ng	# 99

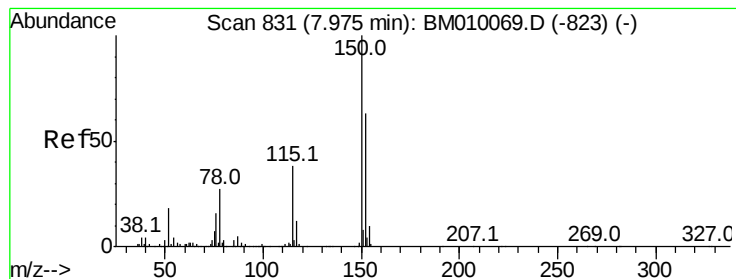
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.96 min Scan# 829

Delta R.T. -0.01 min

Lab File: BM010124.D

Acq: 23 May 2017 04:11

Instrument :

BNA_M

ClientSampled :

EX-21

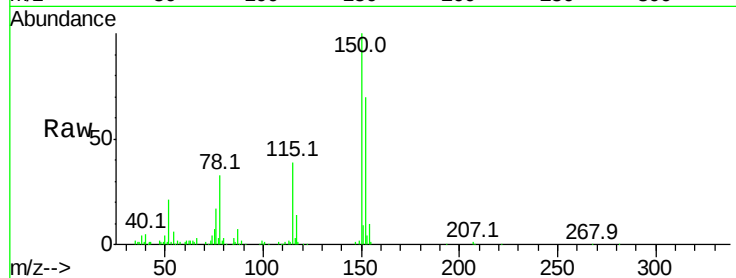
Tot Ion:152 Resp: 148908

Ion Ratio Lower Upper

152 100

150 143.1 119.5 179.3

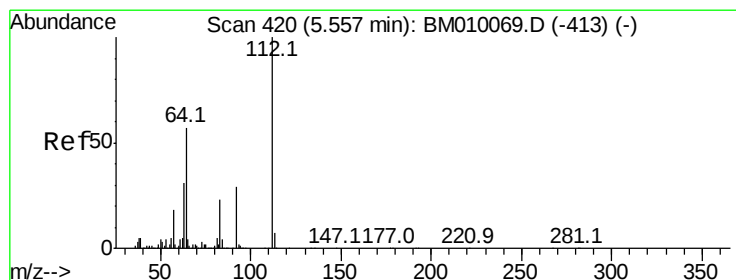
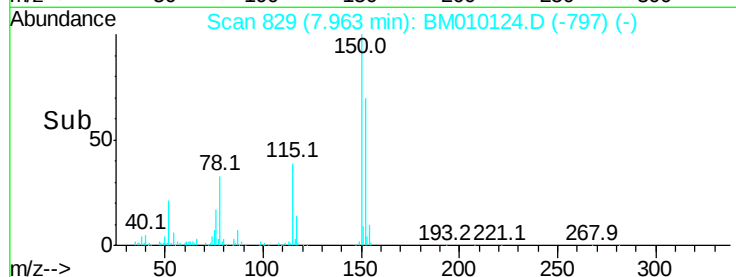
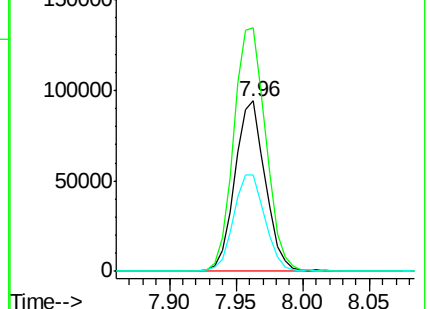
115 56.4 43.0 64.4



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: 121.48 ng

RT: 5.54 min Scan# 417

Delta R.T. -0.02 min

Lab File: BM010124.D

Acq: 23 May 2017 04:11

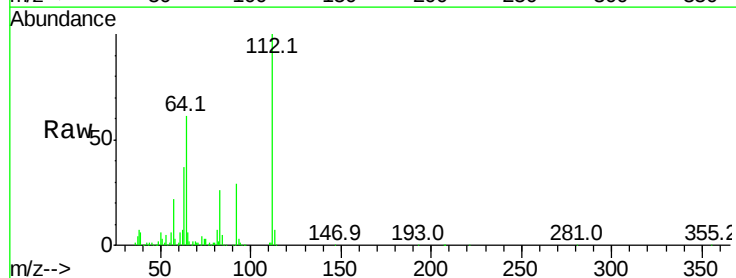
Tgt Ion:112 Resp: 1001724

Ion Ratio Lower Upper

112 100

64 60.9 38.6 57.8#

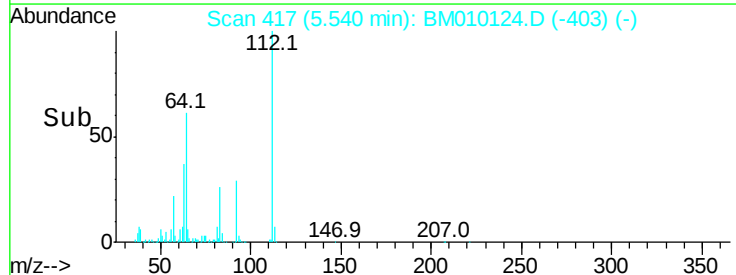
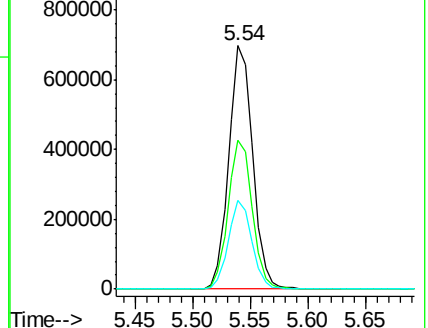
63 36.6 19.3 28.9#



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: 116.75 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.02 min

Lab File: BM010124.D

Acq: 23 May 2017 04:11

Instrument :

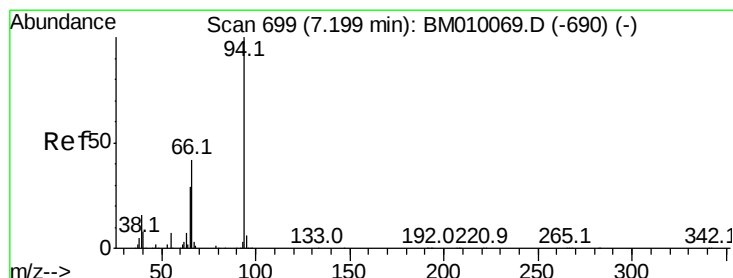
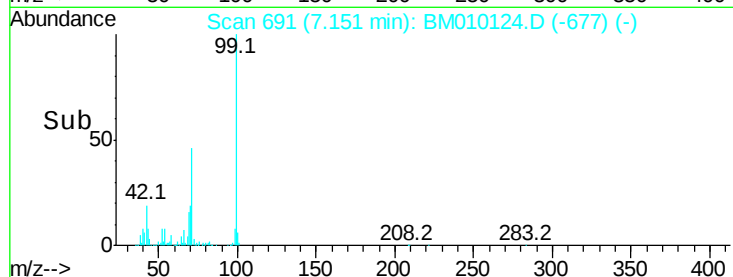
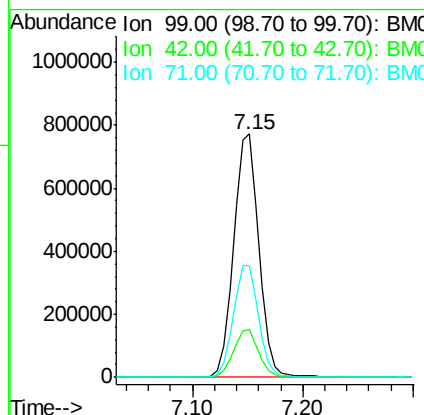
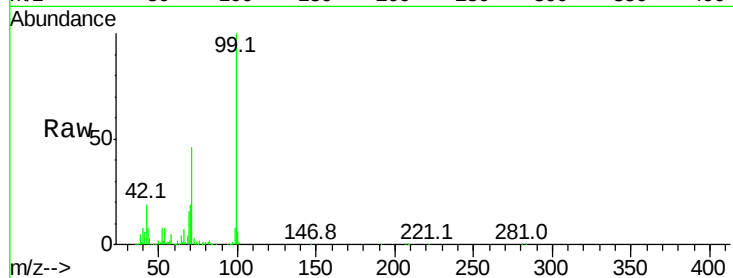
BNA_M

ClientSampleId :

EX-21

Tot Ion: 99 Resp: 1238743

Ion	Ratio	Lower	Upper
99	100		
42	19.4	11.0	16.4#
71	45.8	23.4	35.2#



#10

Phenol

Concen: 2.33 ng

RT: 7.18 min Scan# 696

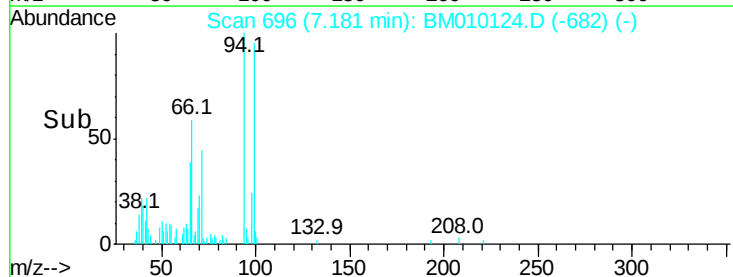
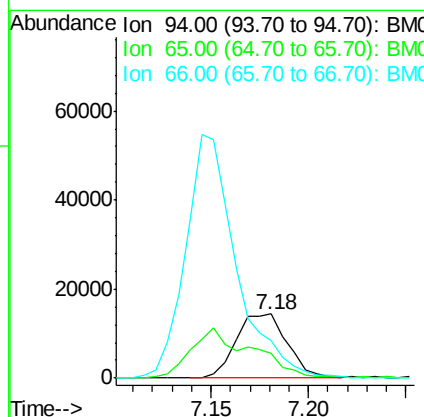
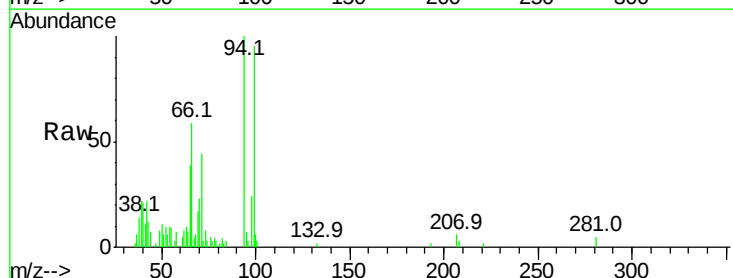
Delta R.T. -0.02 min

Lab File: BM010124.D

Acq: 23 May 2017 04:11

Tgt Ion: 94 Resp: 26091

Ion	Ratio	Lower	Upper
94	100		
65	39.4	18.8	58.8
66	59.2	39.9	79.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BM010124.D

Acq: 23 May 2017 04:11

Instrument :

BNA_M

ClientSampleId :

EX-21

Tot Ion:136 Resp: 496301

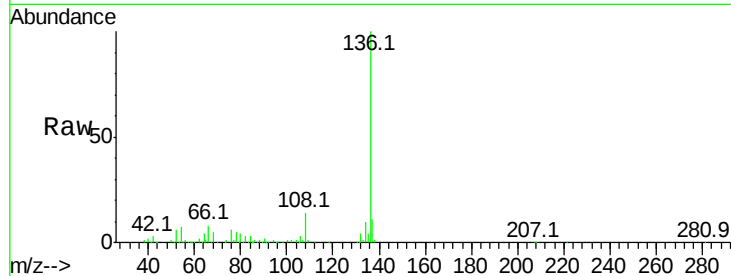
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 7.0 4.6 6.8#

68 4.9 3.7 5.5

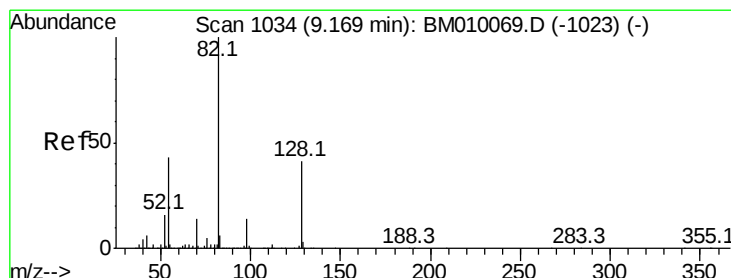
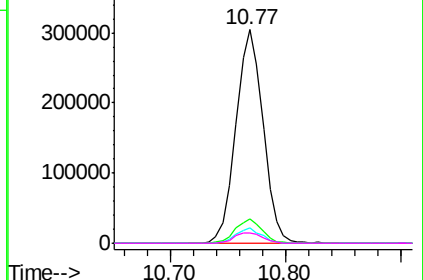
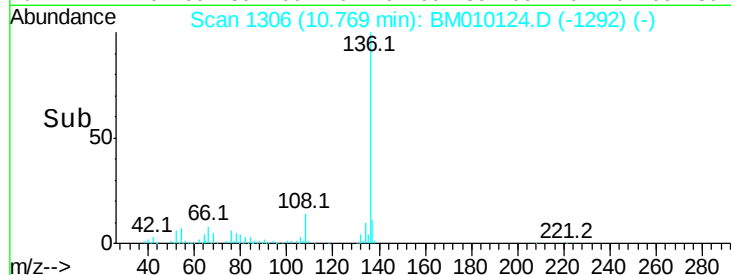


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23

Nitrobenzene-d5

Concen: 86.08 ng

RT: 9.15 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BM010124.D

Acq: 23 May 2017 04:11

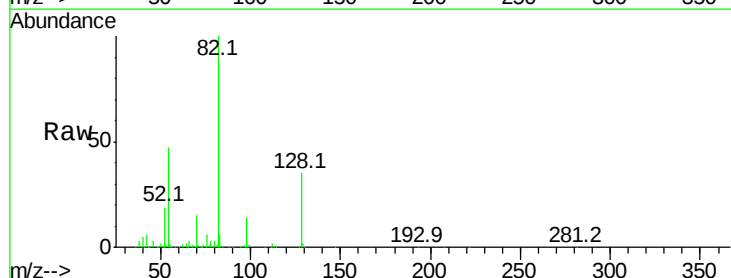
Tgt Ion: 82 Resp: 791888

Ion Ratio Lower Upper

82 100

128 35.1 32.8 49.2

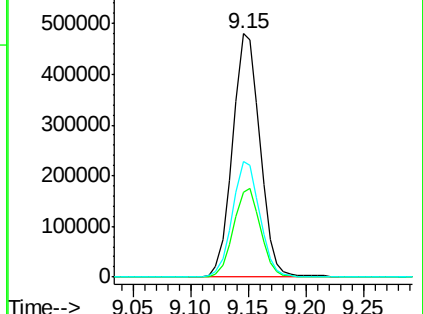
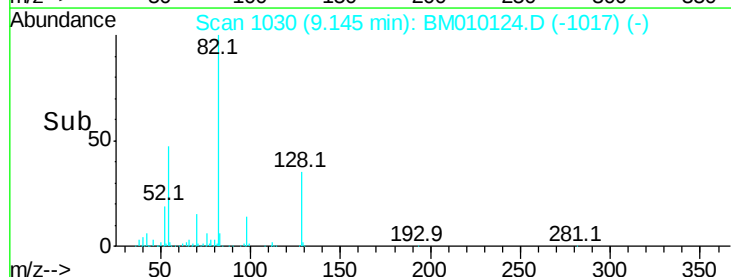
54 47.3 40.6 60.8

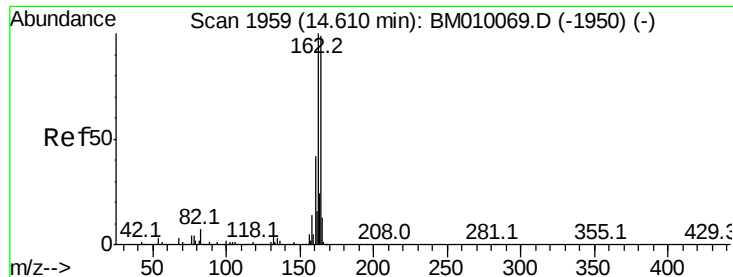


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.59 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BM010124.D

Acq: 23 May 2017 04:11

Instrument :

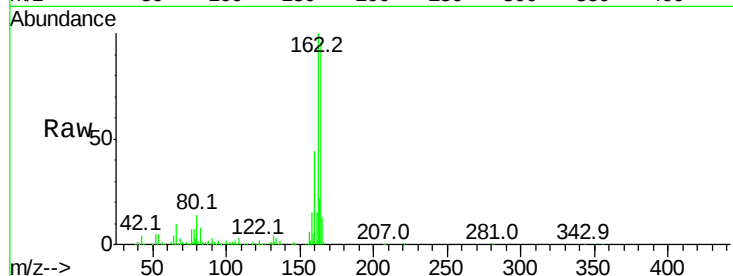
BNA_M

ClientSampleId :

EX-21

Tot Ion:164 Resp: 315562

Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.4	123.6
160	46.1	35.8	53.6

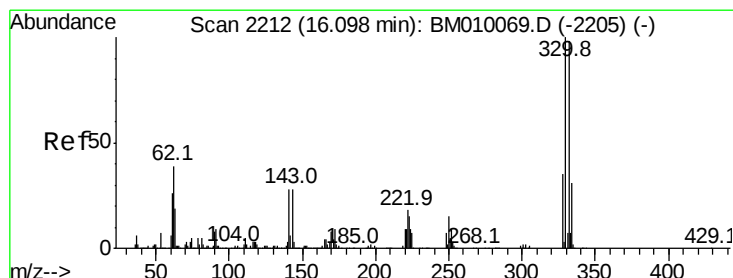
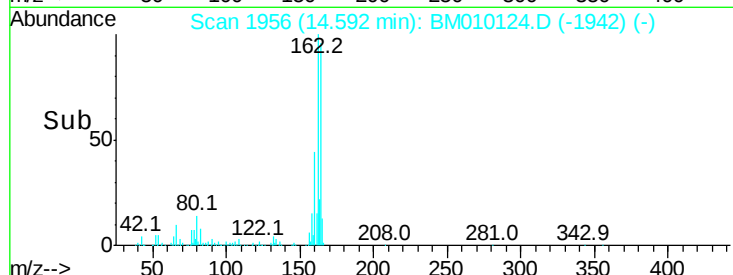
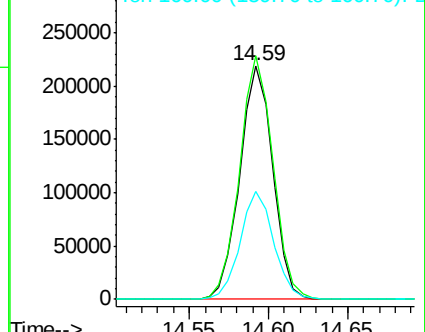


Abundance

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: 123.89 ng

RT: 16.08 min Scan# 2209

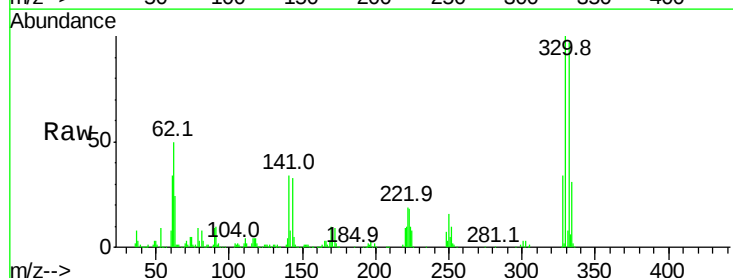
Delta R.T. -0.02 min

Lab File: BM010124.D

Acq: 23 May 2017 04:11

Tgt Ion:330 Resp: 593749

Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	31.8	0.0	0.0#

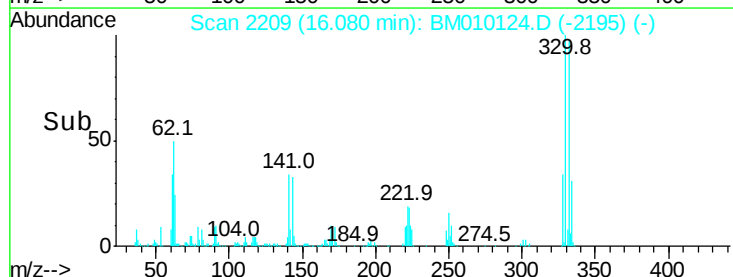
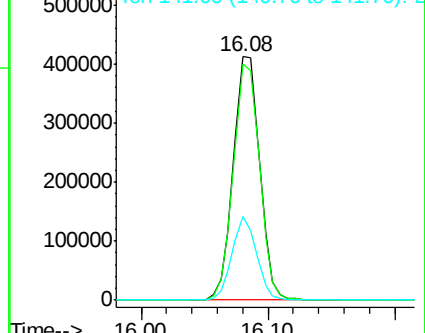


Abundance

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

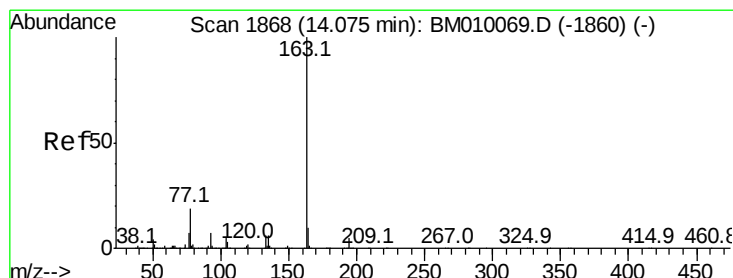
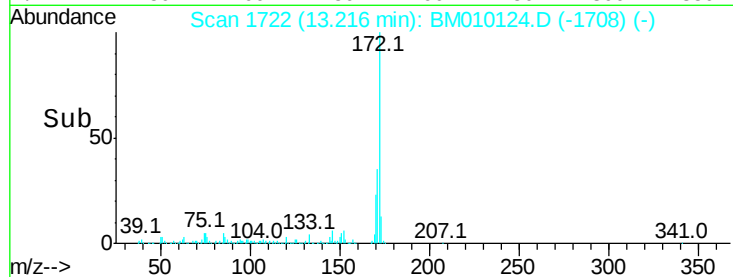
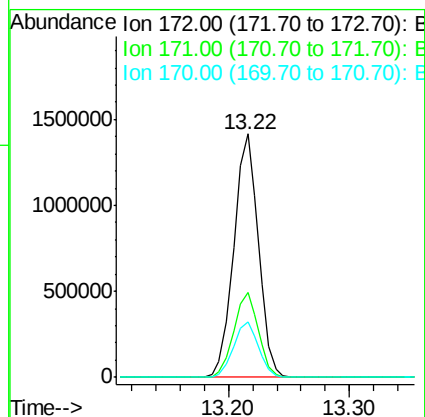
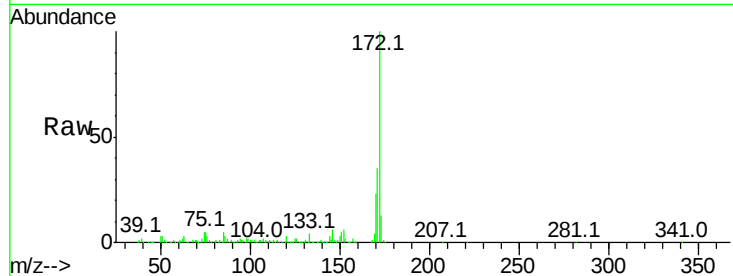




#44
2-Fluorobiphenyl
Concen: 81.75 ng
RT: 13.22 min Scan# 1722
Delta R.T. -0.02 min
Lab File: BM010124.D
Acq: 23 May 2017 04:11

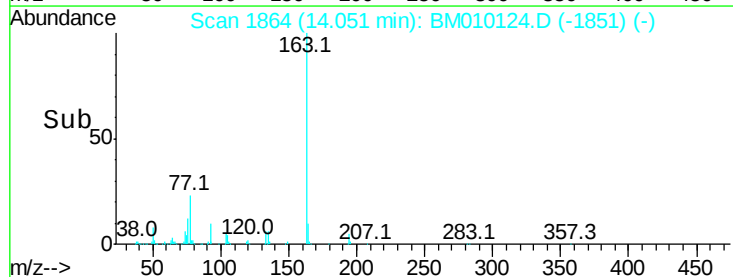
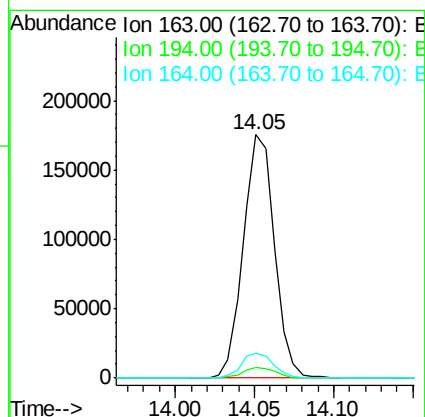
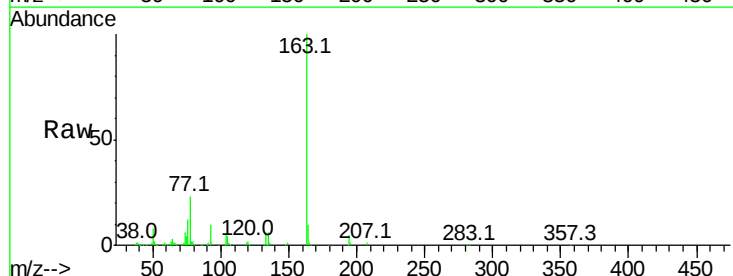
Instrument :
BNA_M
ClientSampleId :
EX-21

Tot Ion:172 Resp: 2006644
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.0 18.8 28.2



#49
Dimethylphthalate
Concen: 8.51 ng
RT: 14.05 min Scan# 1864
Delta R.T. -0.02 min
Lab File: BM010124.D
Acq: 23 May 2017 04:11

Tgt Ion:163 Resp: 239660
Ion Ratio Lower Upper
163 100
194 4.6 2.7 4.1#
164 10.3 8.2 12.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.33 min Scan# 2422

Delta R.T. -0.02 min

Lab File: BM010124.D

Acq: 23 May 2017 04:11

Instrument :

BNA_M

ClientSampleId :

EX-21

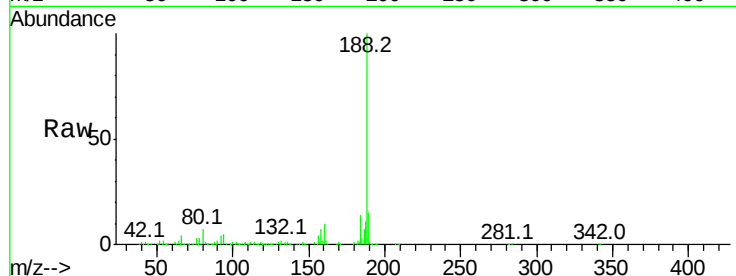
Tot Ion:188 Resp: 802741

Ion Ratio Lower Upper

188 100

94 5.4 8.7 13.1#

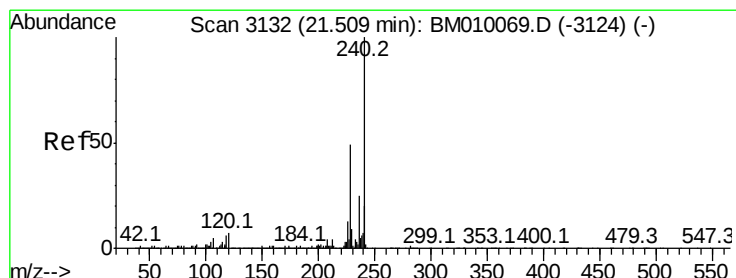
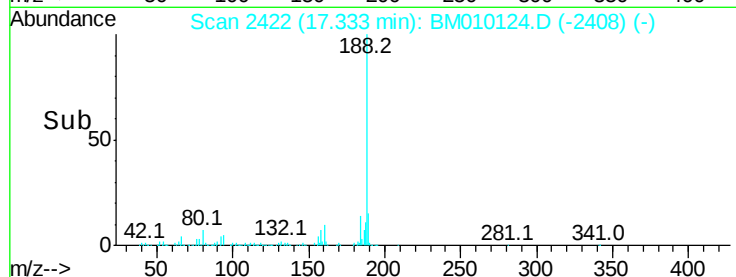
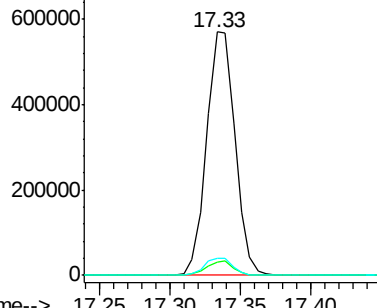
80 7.2 9.3 13.9#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.49 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BM010124.D

Acq: 23 May 2017 04:11

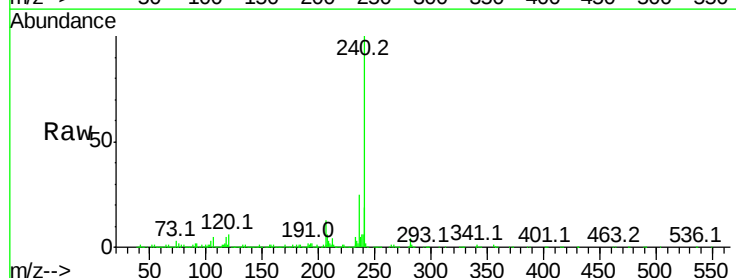
Tgt Ion:240 Resp: 1226985

Ion Ratio Lower Upper

240 100

120 5.7 8.2 12.2#

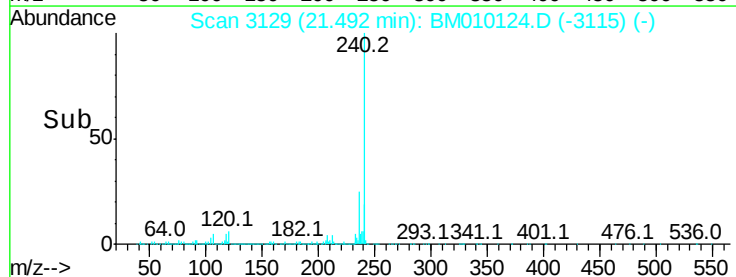
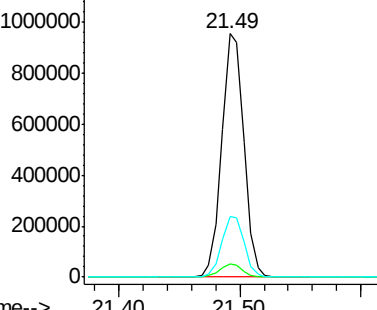
236 24.8 20.0 30.0



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



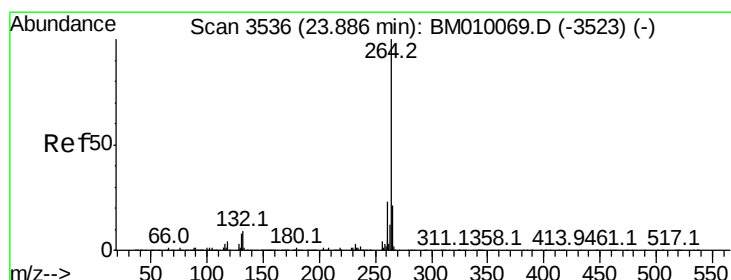
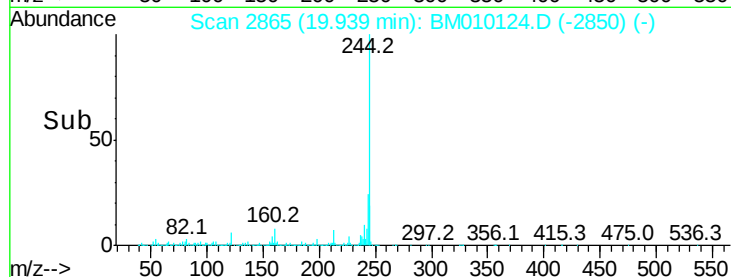
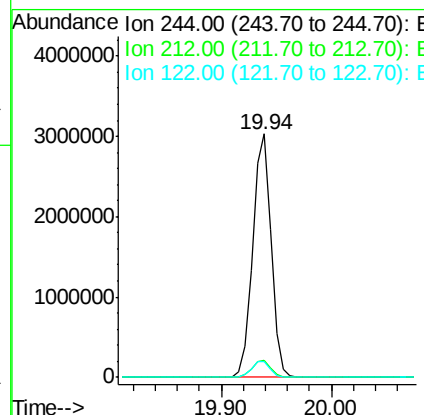
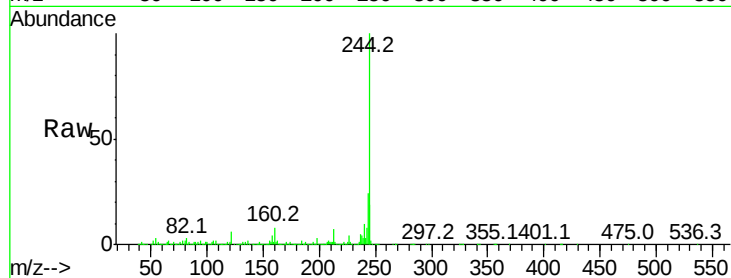


#78
 Terphenyl-d14
 Concen: 65.57 ng
 RT: 19.94 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BM010124.D
 Acq: 23 May 2017 04:11

Instrument :
 BNA_M
 ClientSampleId :
 EX-21

Tot Ion:244 Resp: 3538183

Ion	Ratio	Lower	Upper
244	100		
212	7.2	4.9	7.3
122	6.4	6.2	9.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.86 min Scan# 3532
 Delta R.T. -0.02 min
 Lab File: BM010124.D
 Acq: 23 May 2017 04:11

Tgt Ion:264 Resp: 1405208

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.6	17.3	25.9

