

Data Path : U:\HPCHEM1\BNA M\DATA\BM082217\
 Data File : BM011338.D
 Acq On : 22 Aug 2017 21:48
 Operator : SJ/JU
 Sample : I4908-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-04-082117-A

Quant Time: Aug 23 03:41:20 2017
 Quant Method : Z:\HPCHEM1\BNA M\Methods\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 16 02:25:04 2017
 Response via : Initial Calibration

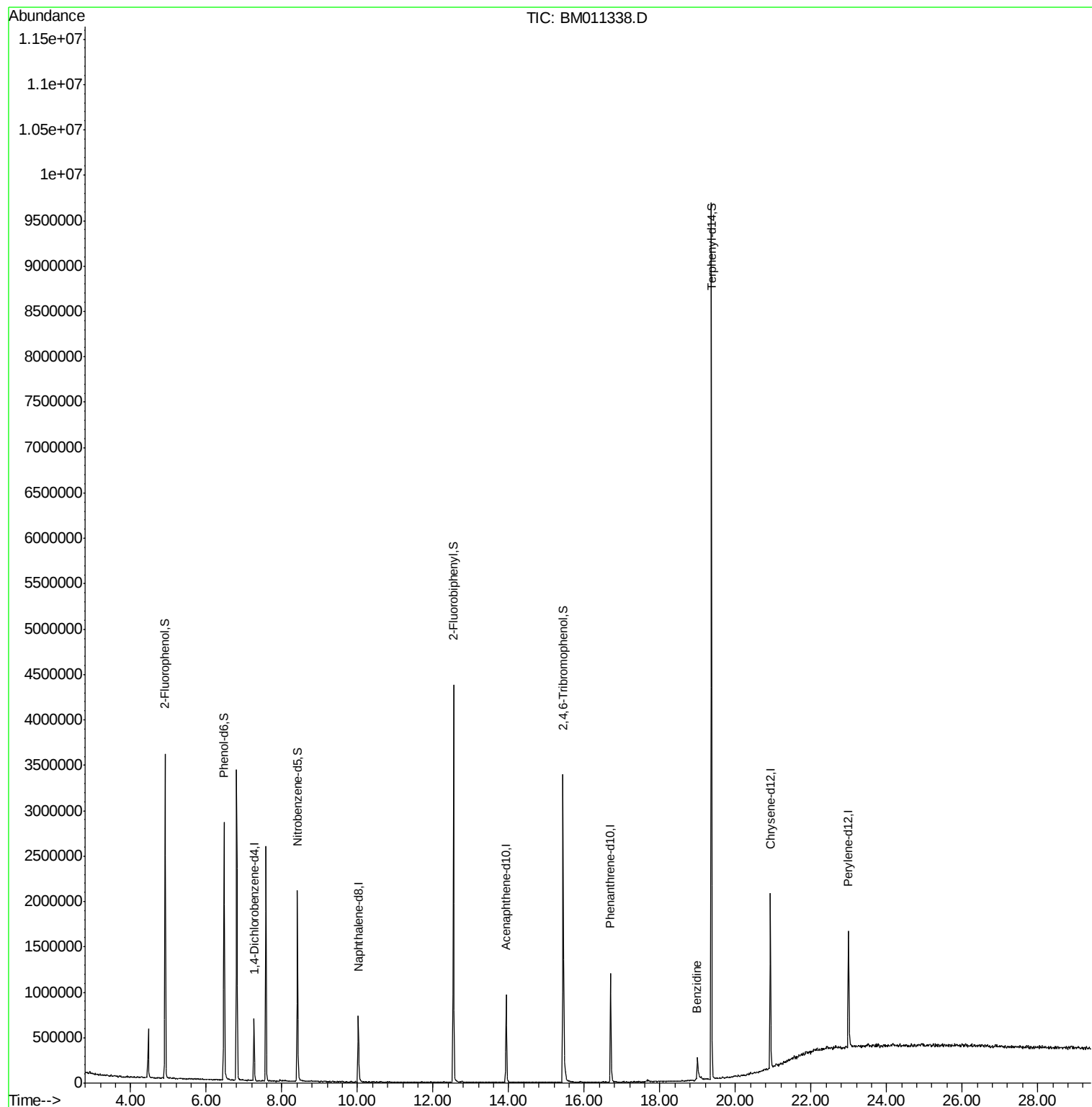
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	115395	20.00	ng	-0.02
21) Naphthalene-d8	10.02	136	424751	20.00	ng	-0.02
38) Acenaphthene-d10	13.93	164	266000	20.00	ng	-0.02
63) Phenanthrene-d10	16.70	188	715585	20.00	ng	-0.02
75) Chrysene-d12	20.92	240	964475	20.00	ng	-0.02
86) Perylene-d12	22.99	264	925884	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	874568	128.12	ng	-0.02
7) Phenol-d6	6.47	99	1147109	118.27	ng	-0.02
23) Nitrobenzene-d5	8.41	82	1217059	107.54	ng	-0.03
41) 2,4,6-Tribromophenol	15.45	330	503448	118.09	ng	-0.02
44) 2-Fluorobiphenyl	12.54	172	1853943	87.41	ng	-0.02
78) Terphenyl-d14	19.37	244	3489487	71.67	ng	-0.02
Target Compounds						
76) Benzidine	19.00	184	201204	8.720	ng	Qvalue # 93

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

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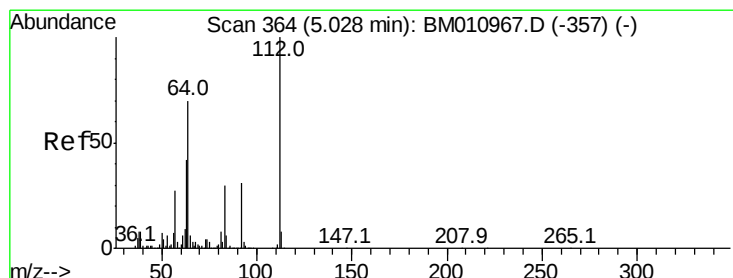
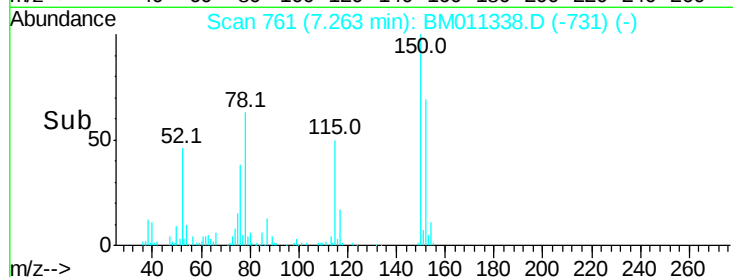
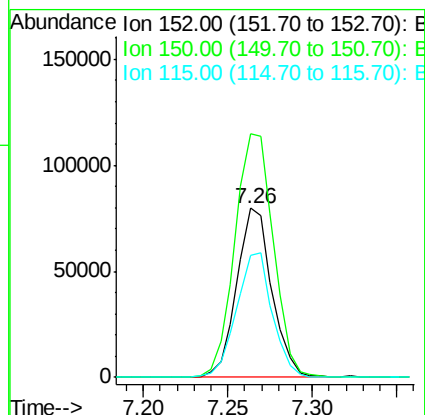
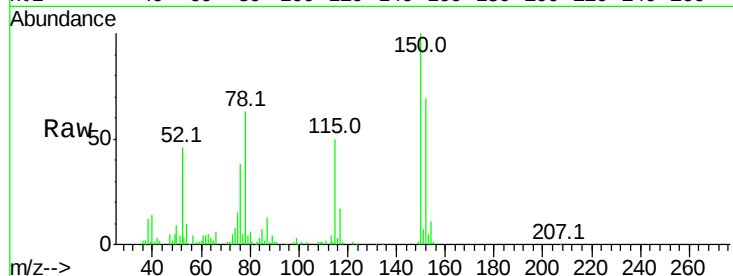


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.26 min Scan# 761
Delta R.T. -0.02 min
Lab File: BM011338.D
Acq: 22 Aug 2017 21:48

Instrument :
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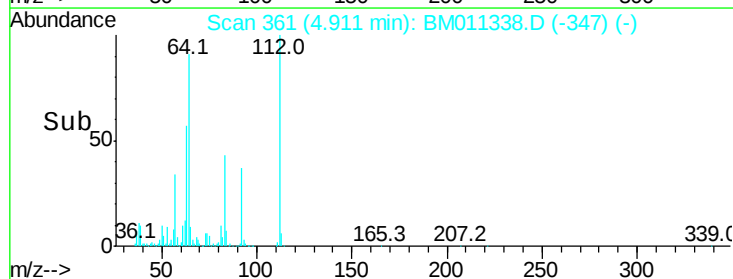
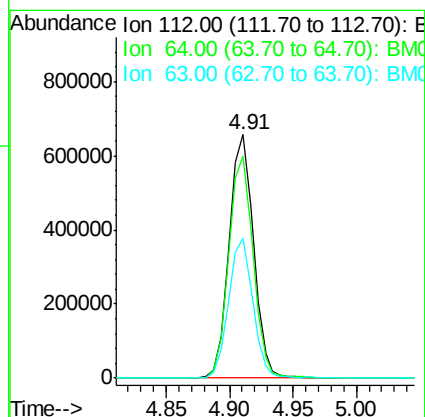
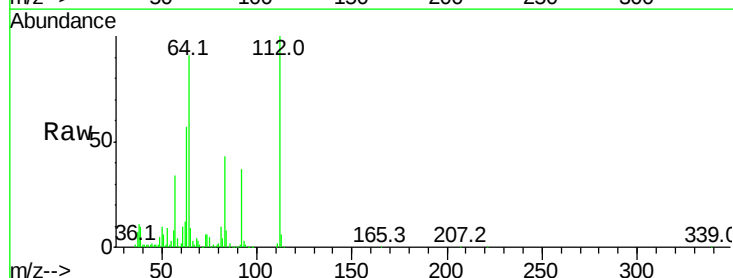
Tot Ion:152 Resp: 115395
Ion Ratio Lower Upper
152 100
150 144.2 119.5 179.3
115 72.1 43.0 64.4#

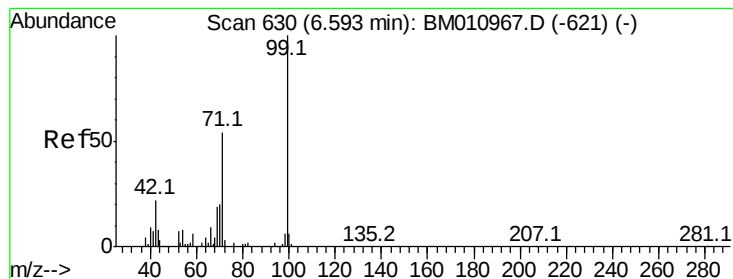


#5

2-Fluorophenol
Concen: 128.117 ng
RT: 4.91 min Scan# 361
Delta R.T. -0.02 min
Lab File: BM011338.D
Acq: 22 Aug 2017 21:48

Tgt Ion:112 Resp: 874568
Ion Ratio Lower Upper
112 100
64 90.9 38.6 57.8#
63 57.2 19.3 28.9#





#7

Phenol-d6

Concen: 118.271 ng

RT: 6.47 min Scan# 626

Delta R.T. -0.02 min

Lab File: BM011338.D

Acq: 22 Aug 2017 21:48

Instrument :

BNA_M

ClientSampleId :

TR-04-082117-A

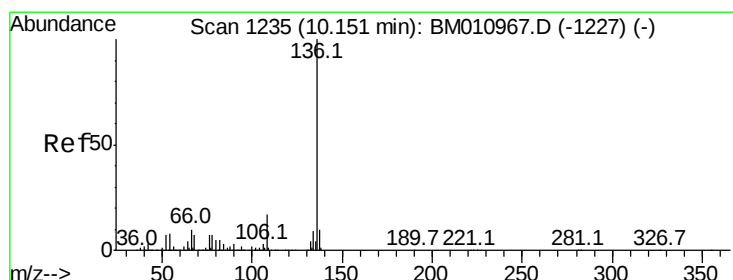
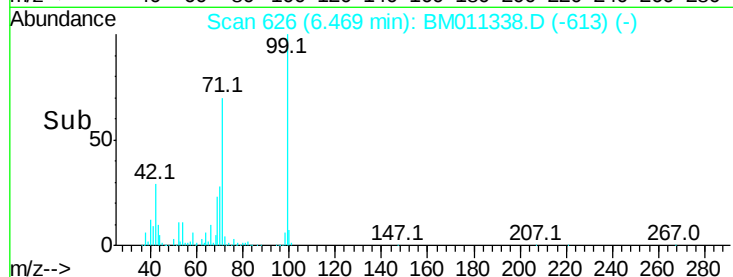
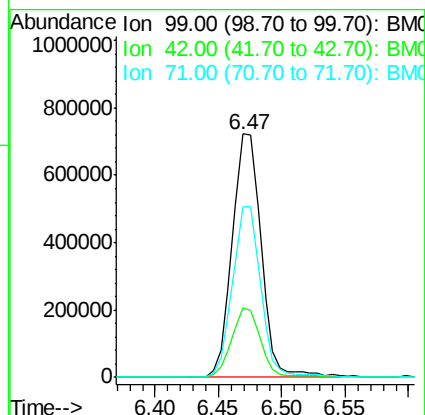
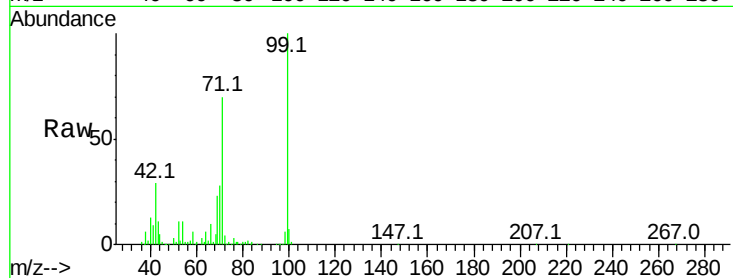
Tot Ion: 99 Resp: 1147109

Ion Ratio Lower Upper

99 100

42 28.8 11.0 16.4#

71 70.1 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.02 min Scan# 1230

Delta R.T. -0.02 min

Lab File: BM011338.D

Acq: 22 Aug 2017 21:48

Tgt Ion: 136 Resp: 424751

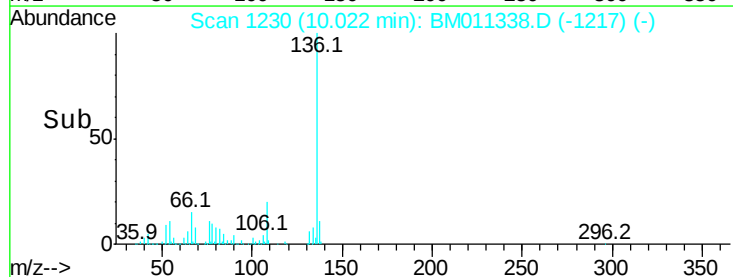
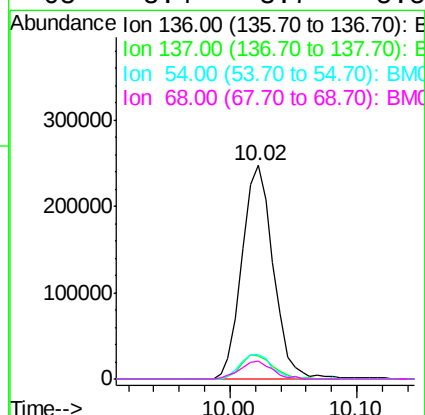
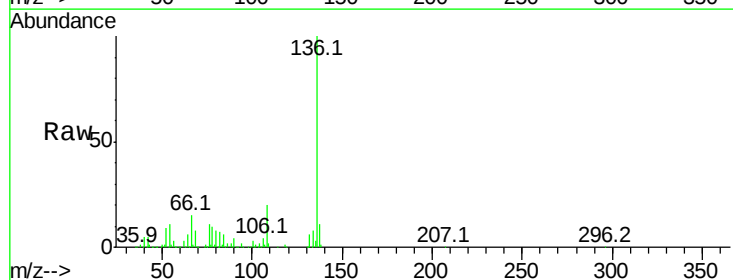
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.5 4.6 6.8#

68 8.4 3.7 5.5#



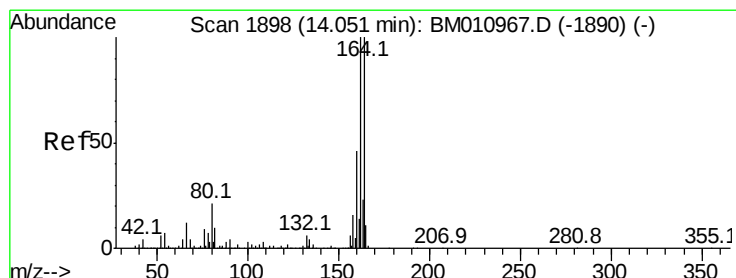
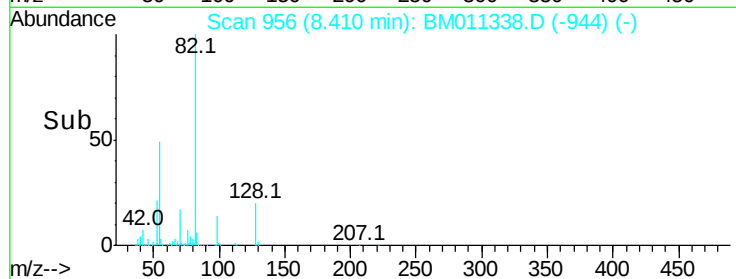
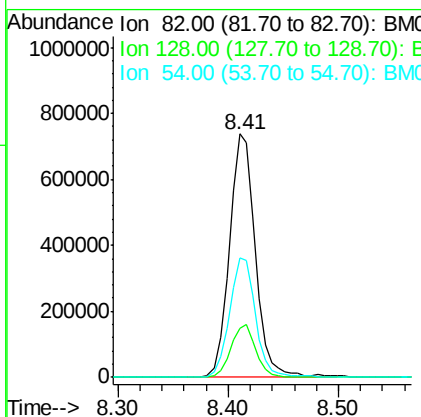
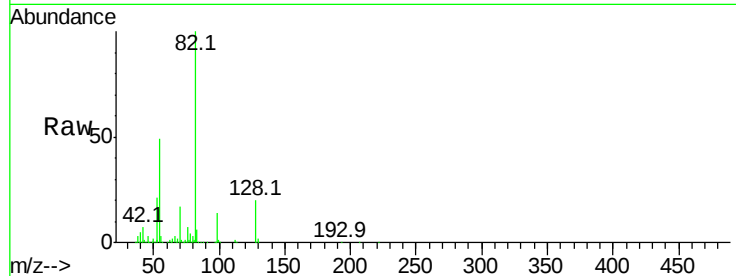


#23
 Nitrobenzene-d5
 Concen: 107.541 ng
 RT: 8.41 min Scan# 956
 Delta R.T. -0.03 min
 Lab File: BM011338.D
 Acq: 22 Aug 2017 21:48

Instrument :
 BNA_M
 ClientSampleId :
 TR-04-082117-A

Tot Ion: 82 Resp: 1217059

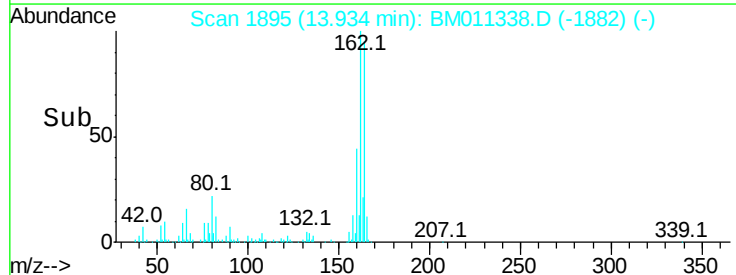
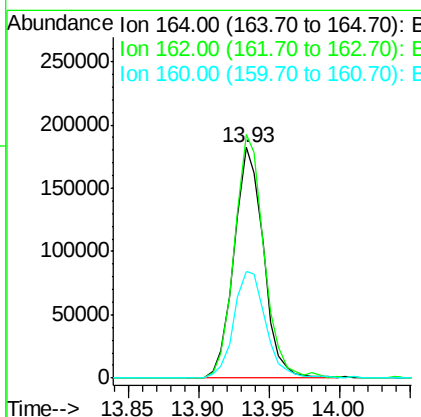
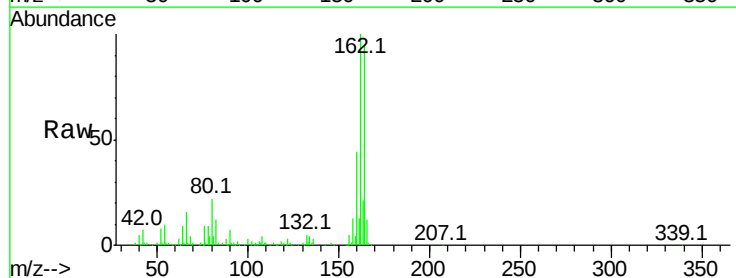
Ion	Ratio	Lower	Upper
82	100		
128	20.4	32.8	49.2#
54	49.3	40.6	60.8



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.93 min Scan# 1895
 Delta R.T. -0.02 min
 Lab File: BM011338.D
 Acq: 22 Aug 2017 21:48

Tgt Ion: 164 Resp: 266000

Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.4	123.6
160	46.2	35.8	53.6

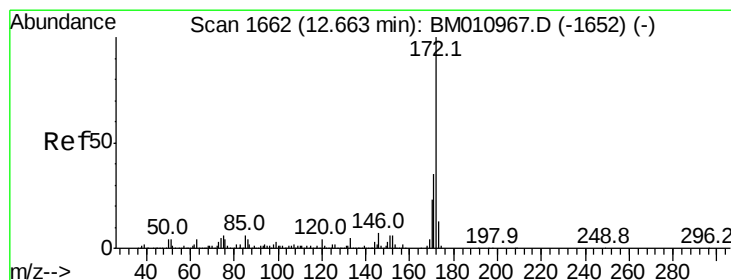
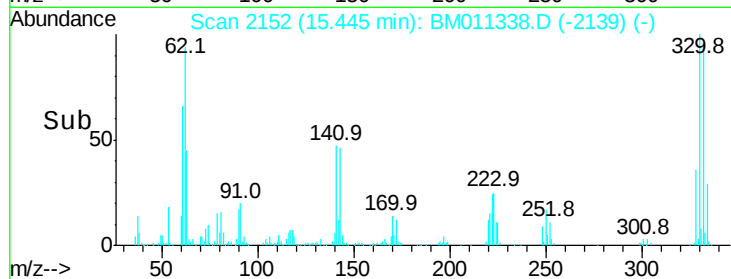
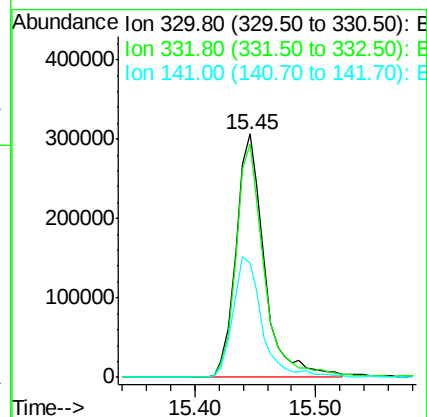
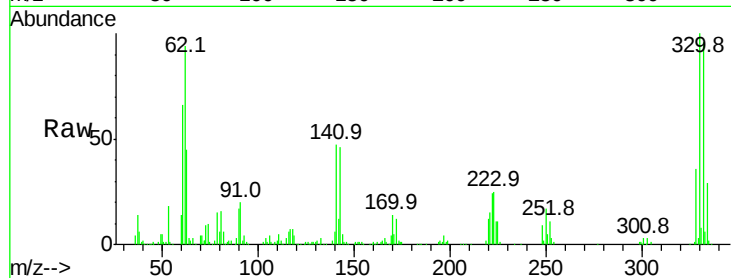




#41
 2,4,6-Tribromophenol
 Concen: 118.085 ng
 RT: 15.45 min Scan# 2152
 Delta R.T. -0.02 min
 Lab File: BM011338.D
 Acq: 22 Aug 2017 21:48

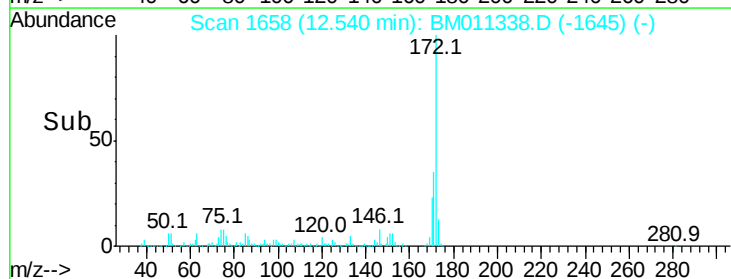
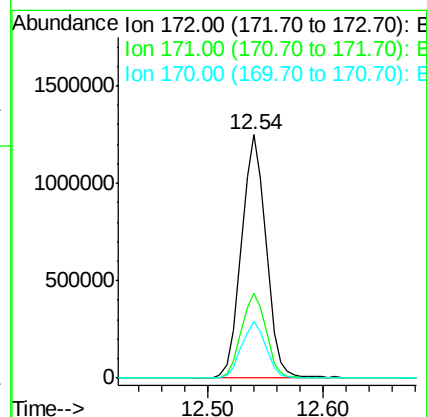
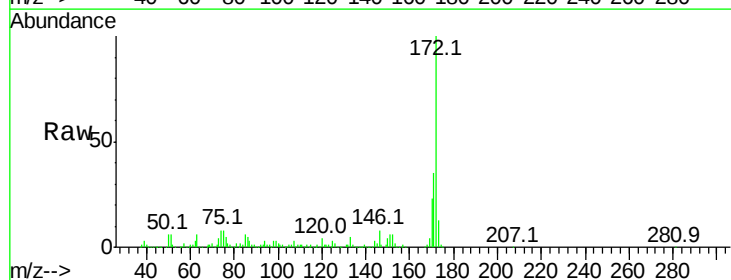
Instrument :
 BNA_M
 ClientSampleId :
 TR-04-082117-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	0.0	0.0#
141	50.5	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 87.410 ng
 RT: 12.54 min Scan# 1658
 Delta R.T. -0.02 min
 Lab File: BM011338.D
 Acq: 22 Aug 2017 21:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.5	42.7
170	23.1	18.8	28.2

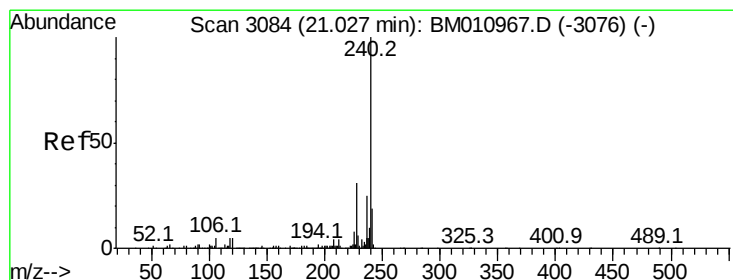
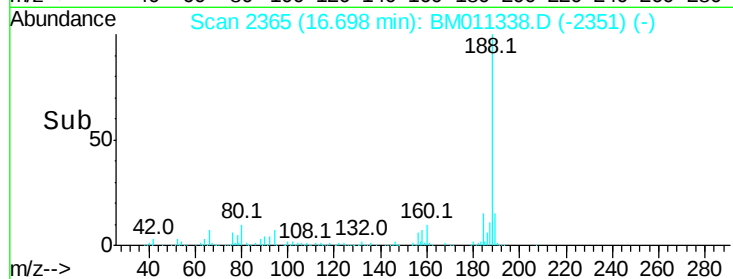
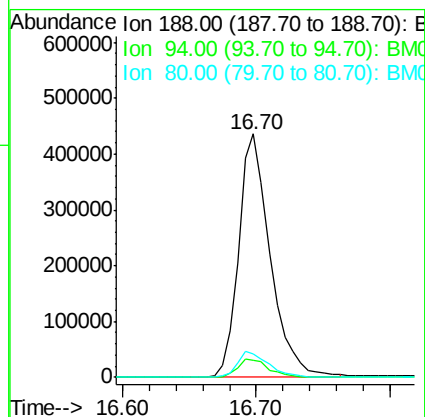
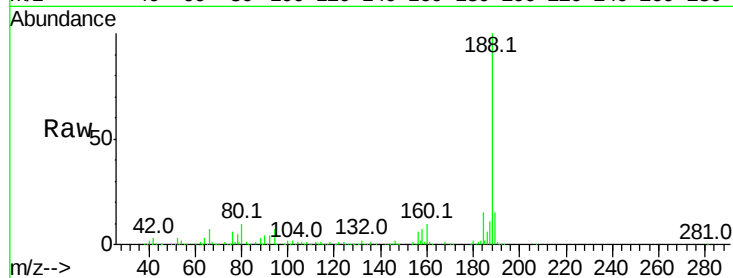




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.70 min Scan# 2365
Delta R.T. -0.02 min
Lab File: BM011338.D
Acq: 22 Aug 2017 21:48

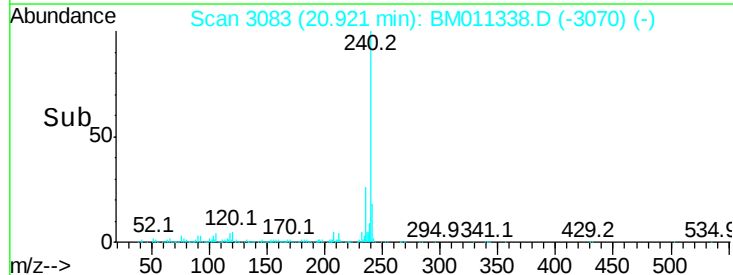
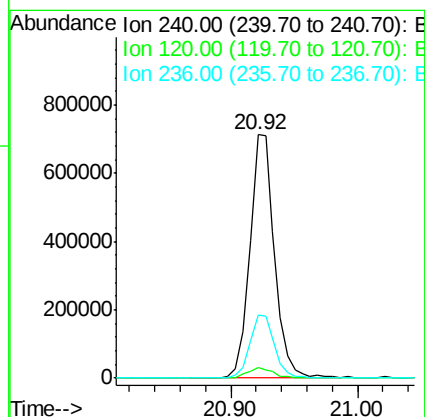
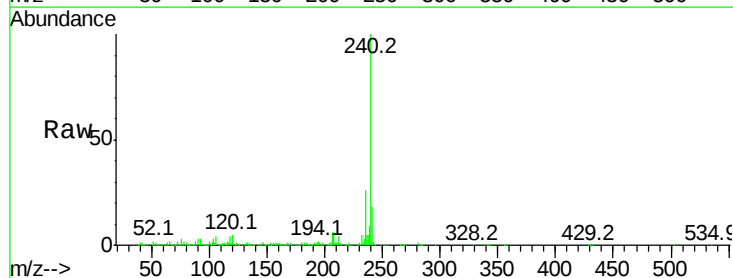
Instrument :
BNA_M
ClientSampleId :
TR-04-082117-A

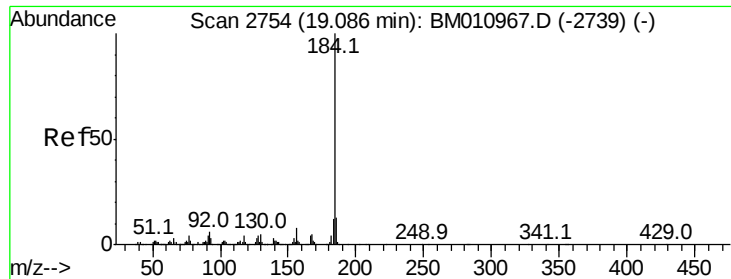
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.9	8.7	13.1#
80	9.6	9.3	13.9



#75
Chrysene-d12
Concen: 20.000 ng
RT: 20.92 min Scan# 3083
Delta R.T. -0.02 min
Lab File: BM011338.D
Acq: 22 Aug 2017 21:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.5	8.2	12.2#
236	25.8	20.0	30.0





#76

Benzidine

Concen: 8.720 ng

RT: 19.00 min Scan# 2756

Delta R.T. -0.01 min

Lab File: BM011338.D

Acq: 22 Aug 2017 21:48

Instrument :

BNA_M

ClientSampleId :

TR-04-082117-A

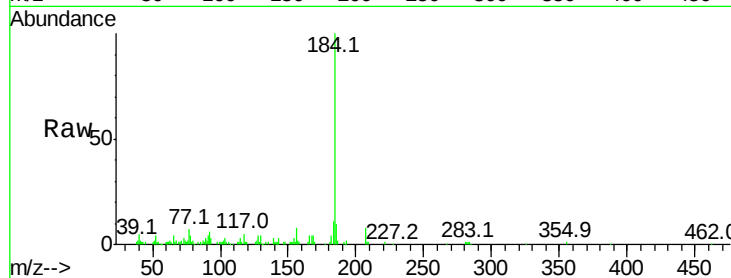
Tot Ion:184 Resp: 201204

Ion Ratio Lower Upper

184 100

185 9.6 11.3 16.9#

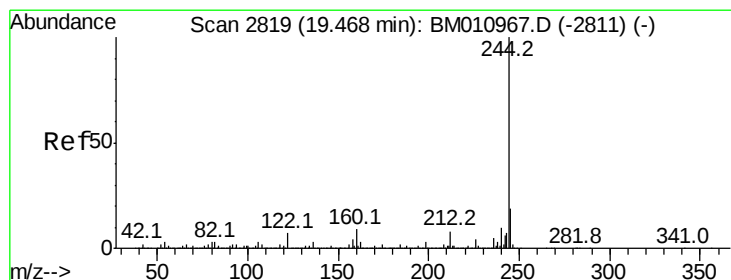
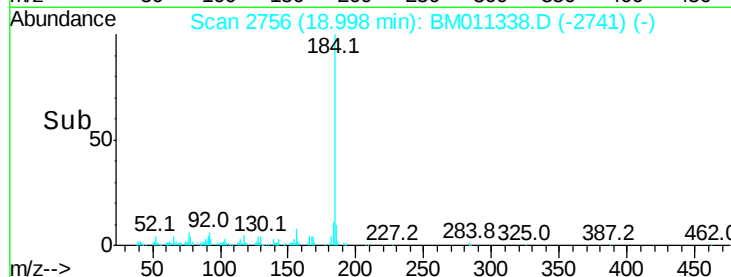
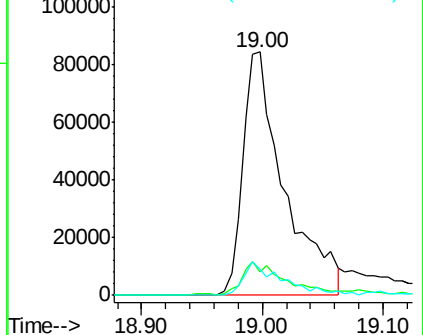
183 10.8 8.9 13.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 71.668 ng

RT: 19.37 min Scan# 2819

Delta R.T. -0.02 min

Lab File: BM011338.D

Acq: 22 Aug 2017 21:48

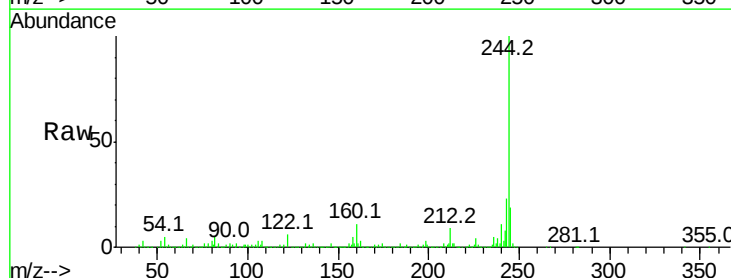
Tgt Ion:244 Resp: 3489487

Ion Ratio Lower Upper

244 100

212 8.6 4.9 7.3#

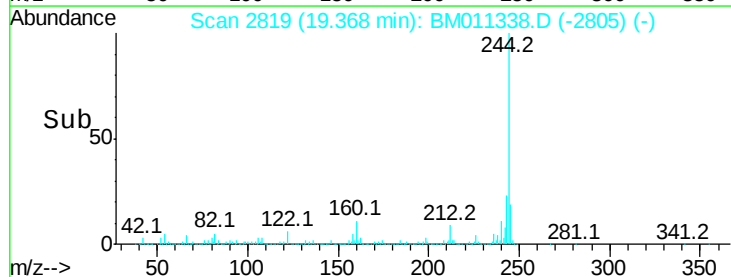
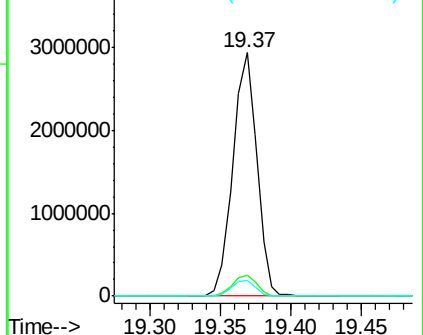
122 6.5 6.2 9.4

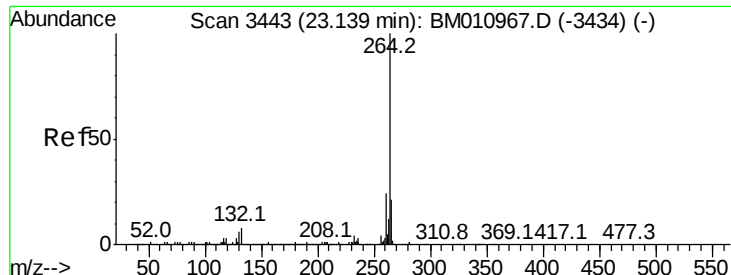


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 22.99 min Scan# 3435

Delta R.T. -0.03 min

Lab File: BM011338.D

Acq: 22 Aug 2017 21:48

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TR-04-082117-A

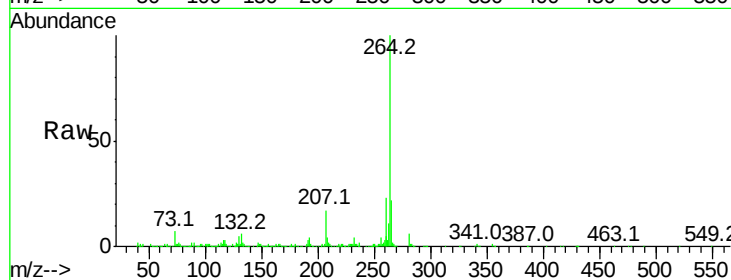
Tot Ion:264 Resp: 925884

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.8 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

