

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080717\
 Data File : BM011158.D
 Acq On : 07 Aug 2017 18:42
 Operator : SJ/JU
 Sample : I4613-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-080317

Quant Time: Aug 08 01:50:25 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 17:29:06 2017
 Response via : Initial Calibration

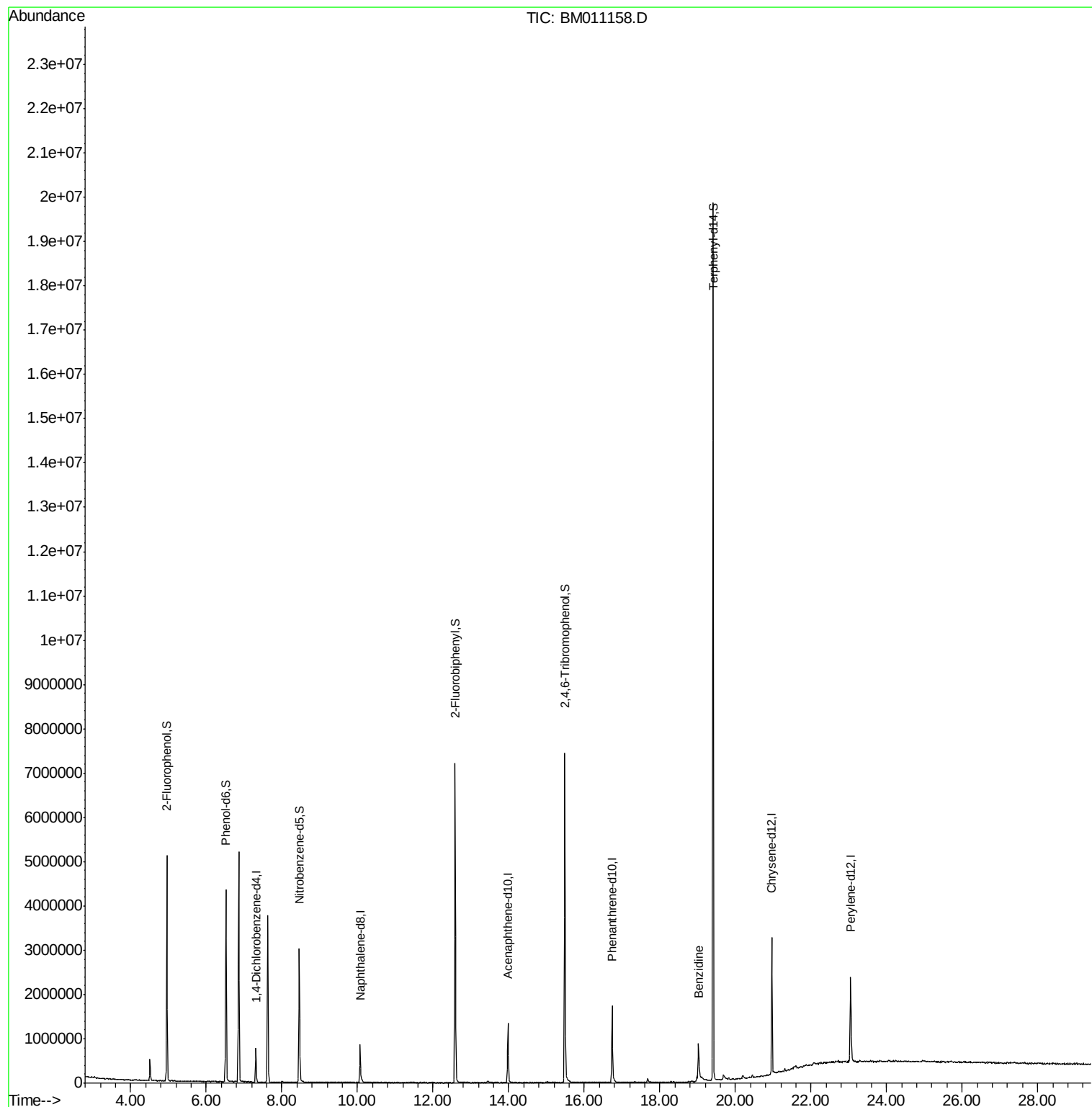
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.31	152	138393	20.00	ng	-0.08
21) Naphthalene-d8	10.07	136	520358	20.00	ng	-0.08
38) Acenaphthene-d10	13.98	164	372913	20.00	ng	-0.07
63) Phenanthrene-d10	16.74	188	976191	20.00	ng	-0.07
75) Chrysene-d12	20.96	240	1495620	20.00	ng	-0.06
86) Perylene-d12	23.04	264	1482405	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	1323235	161.63	ng	-0.07
7) Phenol-d6	6.52	99	1687475	145.07	ng	-0.07
23) Nitrobenzene-d5	8.46	82	1652860	119.22	ng	-0.08
41) 2,4,6-Tribromophenol	15.49	330	1002827	167.78	ng	-0.07
44) 2-Fluorobiphenyl	12.59	172	3029842	101.90	ng	-0.08
78) Terphenyl-d14	19.41	244	7016261	92.93	ng	-0.06
Target Compounds						
76) Benzidine	19.03	184	614374	17.171	ng	Qvalue 99

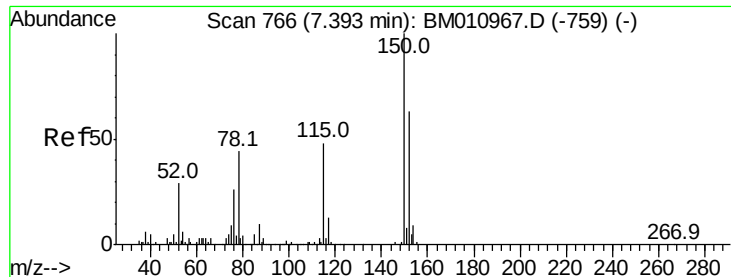
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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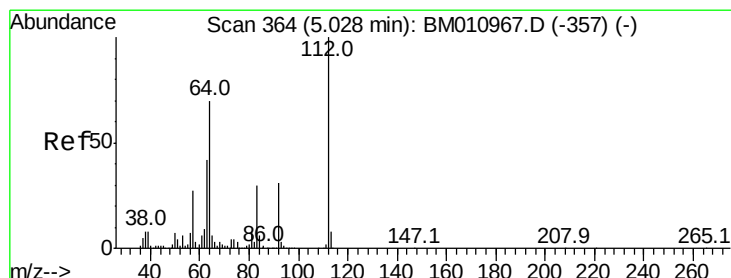
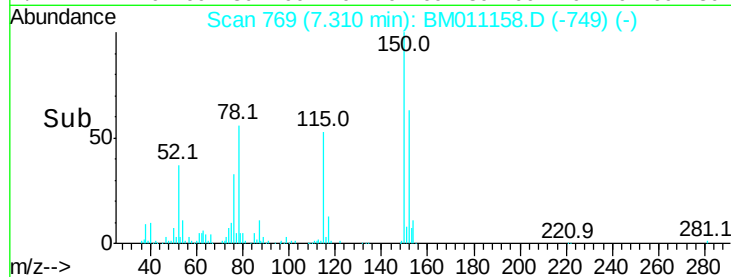
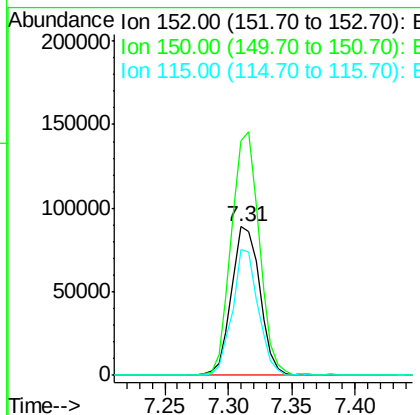
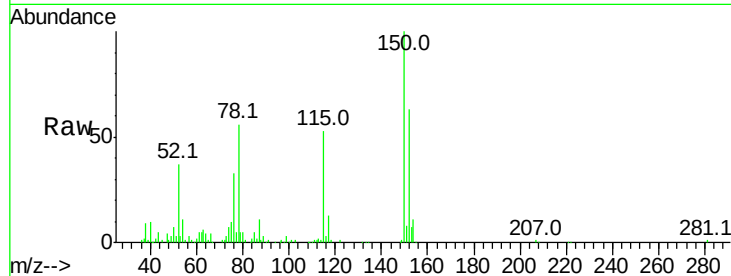


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.31 min Scan# 769
Delta R.T. -0.08 min
Lab File: BM011158.D
Acq: 07 Aug 2017 18:42

Instrument :
BNA_M
ClientSampleId :
TR-05-080317

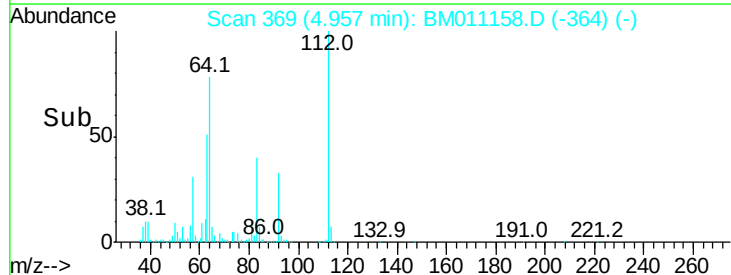
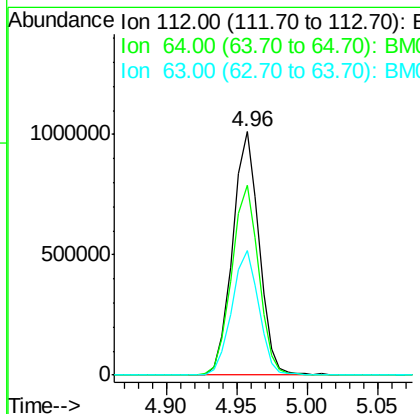
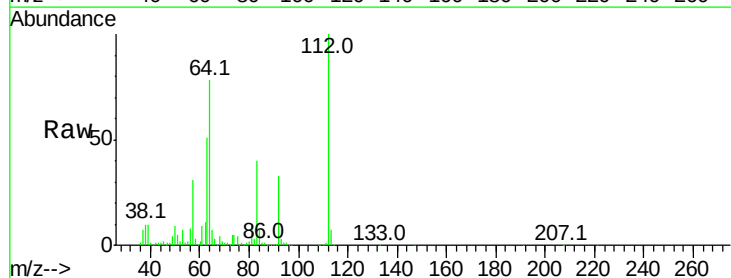
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	119.5	179.3
115	84.5	43.0	64.4

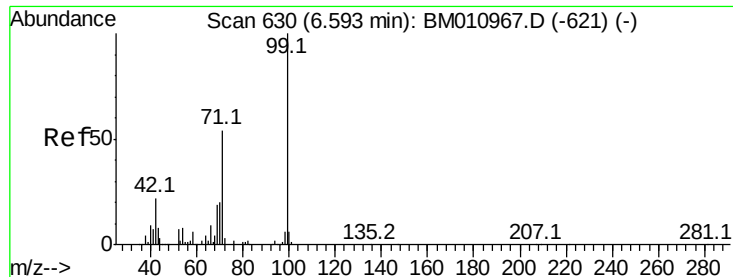


#5

2-Fluorophenol
Concen: 161.630 ng
RT: 4.96 min Scan# 369
Delta R.T. -0.07 min
Lab File: BM011158.D
Acq: 07 Aug 2017 18:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.1	38.6	57.8
63	51.2	19.3	28.9





#7

Phenol-d6

Concen: 145.072 ng

RT: 6.52 min Scan# 635

Delta R.T. -0.07 min

Lab File: BM011158.D

Acq: 07 Aug 2017 18:42

Instrument :

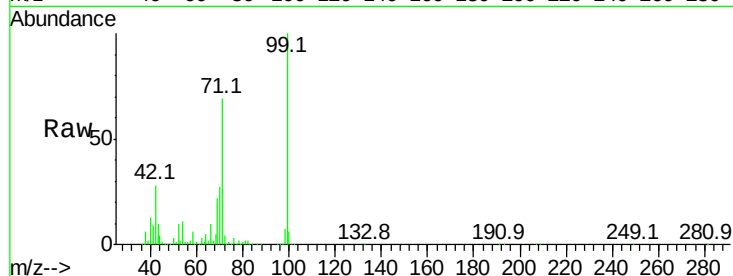
BNA_M

ClientSampleId :

TR-05-080317

Tot Ion: 99 Resp: 1687475

Ion	Ratio	Lower	Upper
99	100		
42	27.8	11.0	16.4#
71	68.5	23.4	35.2#

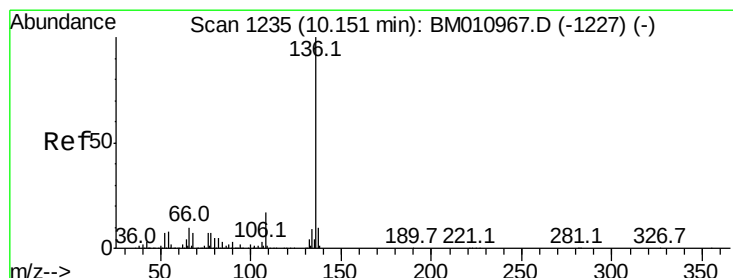
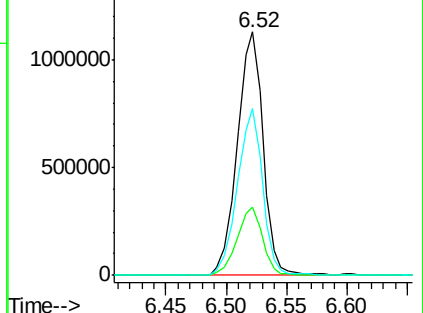
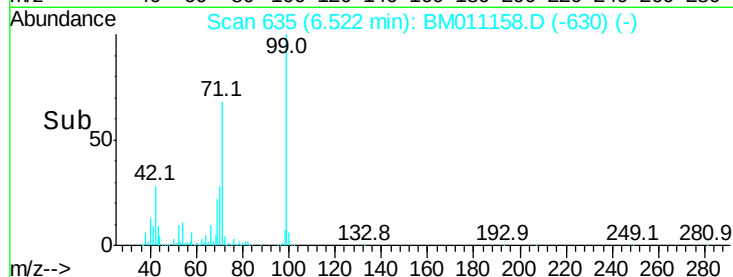


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.07 min Scan# 1238

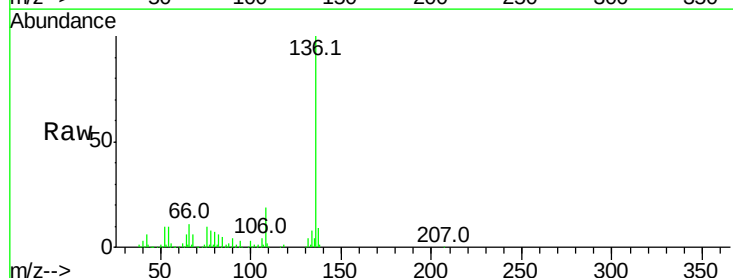
Delta R.T. -0.08 min

Lab File: BM011158.D

Acq: 07 Aug 2017 18:42

Tgt Ion: 136 Resp: 520358

Ion	Ratio	Lower	Upper
136	100		
137	9.0	8.7	13.1
54	10.2	4.6	6.8#
68	6.1	3.7	5.5#



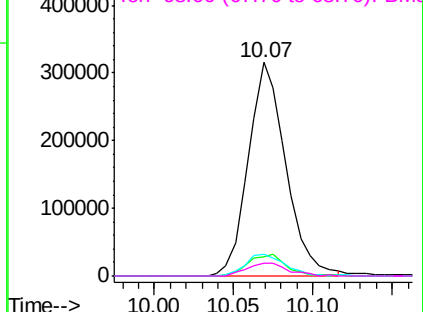
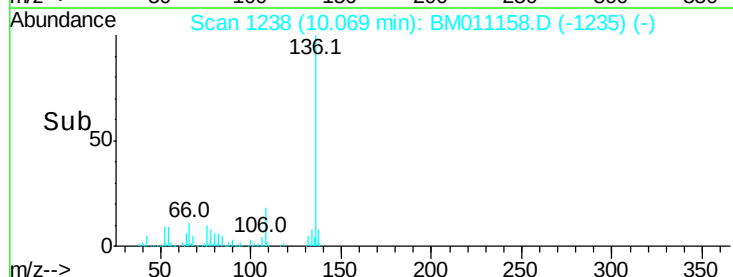
Abundance

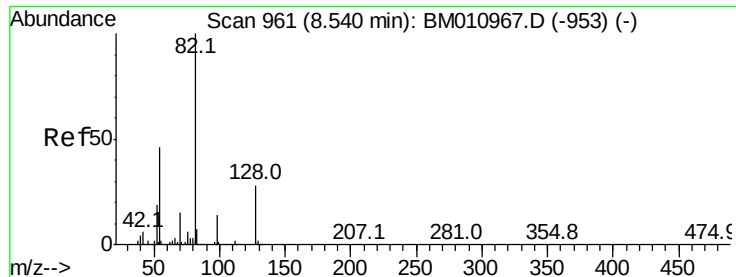
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0

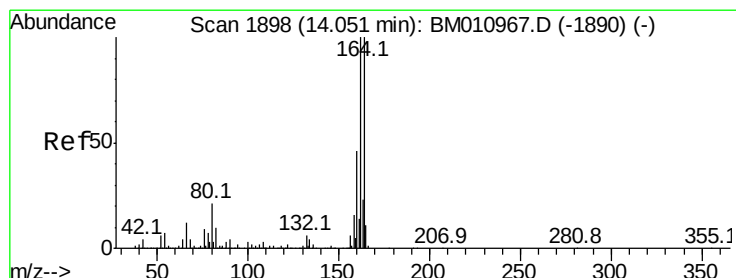
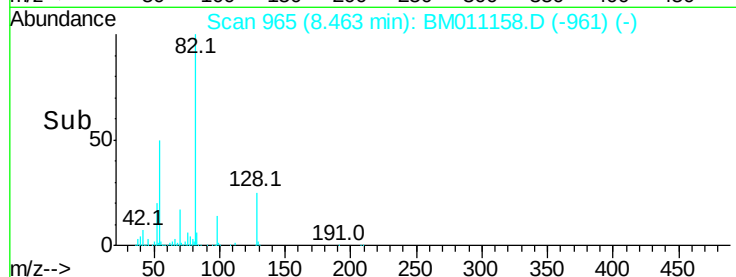
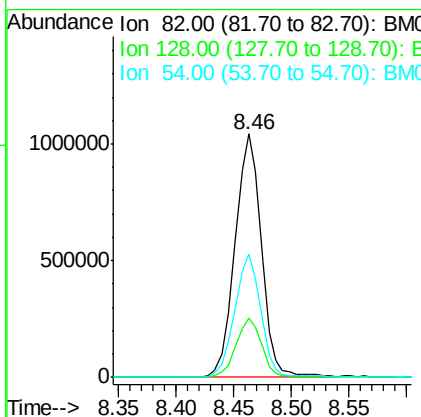
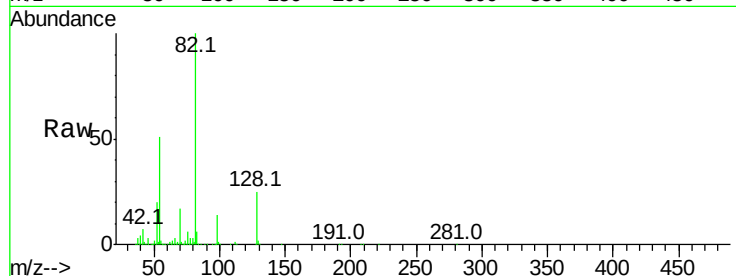




#23
 Nitrobenzene-d5
 Concen: 119.215 ng
 RT: 8.46 min Scan# 965
 Delta R.T. -0.08 min
 Lab File: BM011158.D
 Acq: 07 Aug 2017 18:42

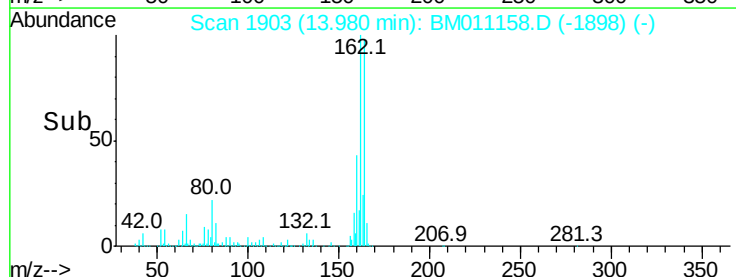
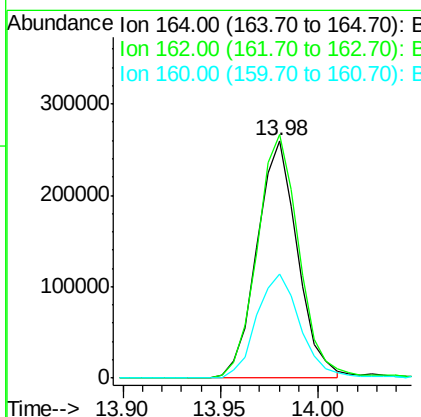
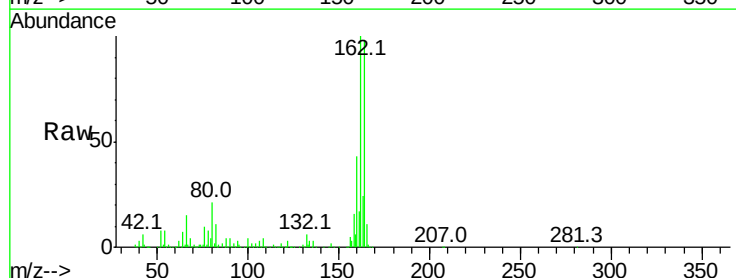
Instrument :
 BNA_M
 ClientSampleId :
 TR-05-080317

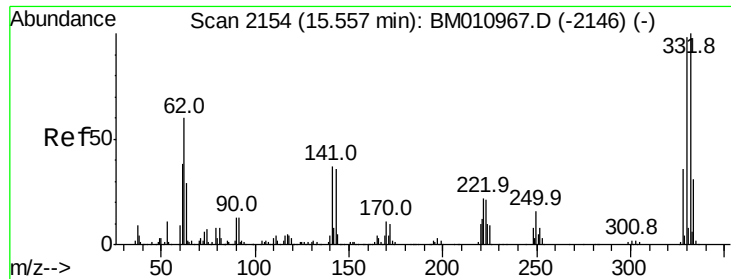
Tot Ion	82	Resp	1652860
Ion	Ratio	Lower	Upper
82	100		
128	24.5	32.8	49.2#
54	50.5	40.6	60.8



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.98 min Scan# 1903
 Delta R.T. -0.07 min
 Lab File: BM011158.D
 Acq: 07 Aug 2017 18:42

Tgt Ion	164	Resp	372913
Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.4	123.6
160	43.9	35.8	53.6

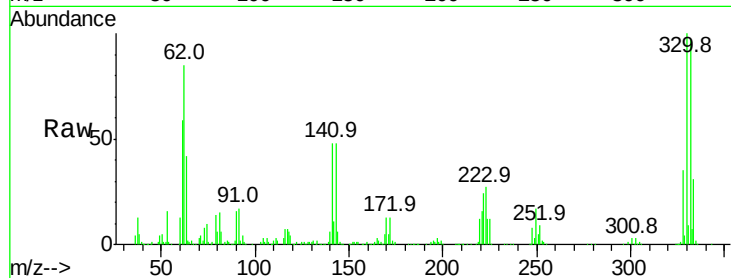




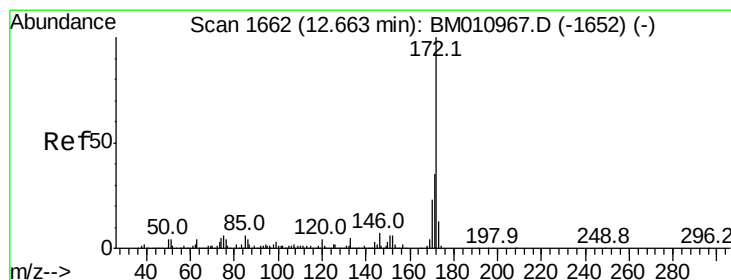
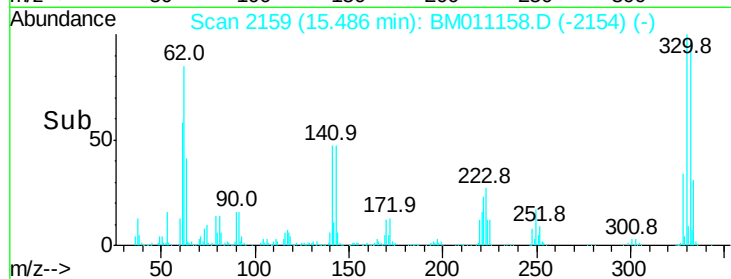
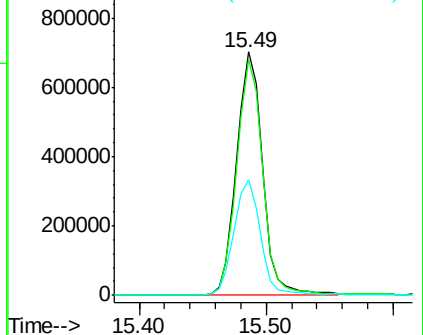
#41
 2,4,6-Tribromophenol
 Concen: 167.781 ng
 RT: 15.49 min Scan# 2159
 Delta R.T. -0.07 min
 Lab File: BM011158.D
 Acq: 07 Aug 2017 18:42

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-080317

Tot Ion:330 Resp: 1002827
 Ion Ratio Lower Upper
 330 100
 332 95.6 0.0 0.0#
 141 48.2 0.0 0.0#

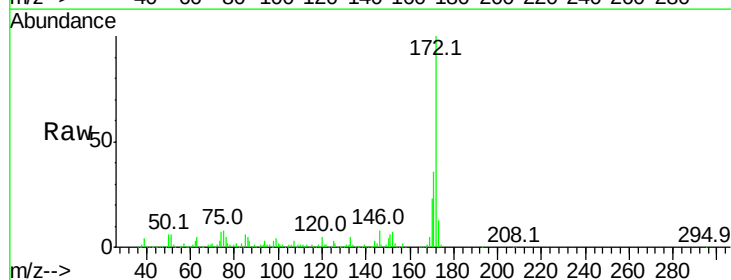


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

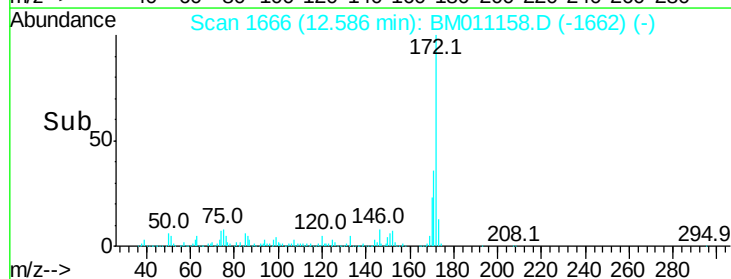
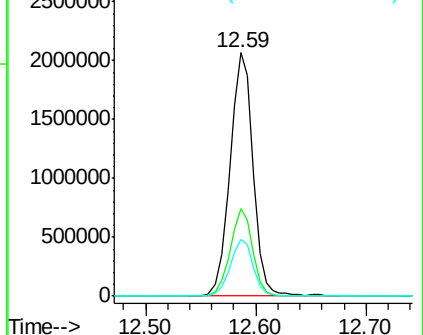


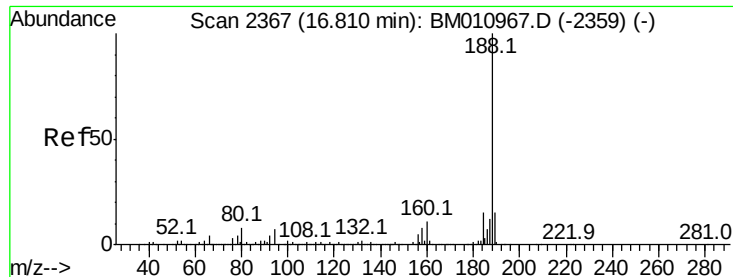
#44
 2-Fluorobiphenyl
 Concen: 101.896 ng
 RT: 12.59 min Scan# 1666
 Delta R.T. -0.08 min
 Lab File: BM011158.D
 Acq: 07 Aug 2017 18:42

Tgt Ion:172 Resp: 3029842
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.5 42.7
 170 23.1 18.8 28.2



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

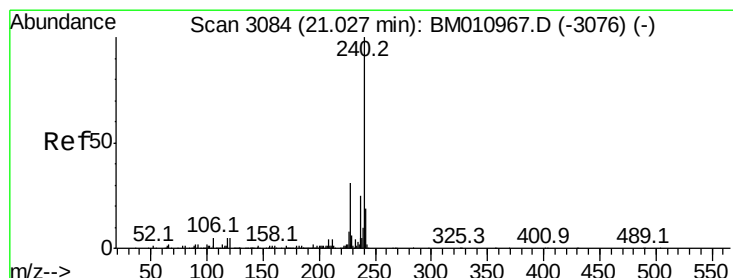
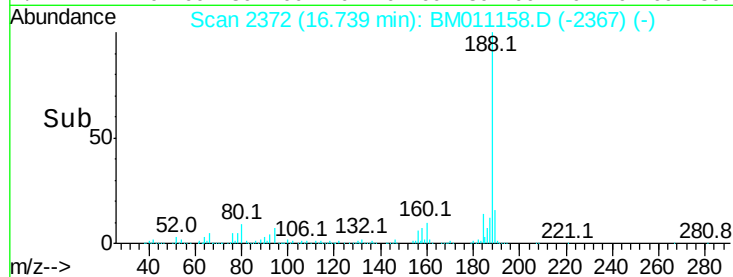
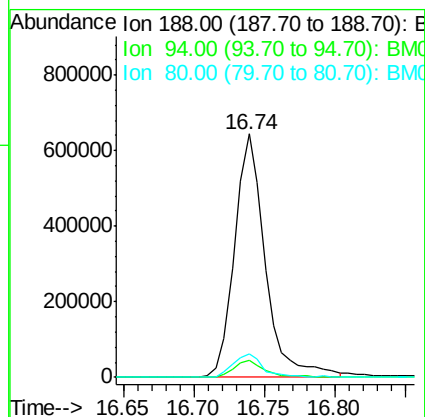
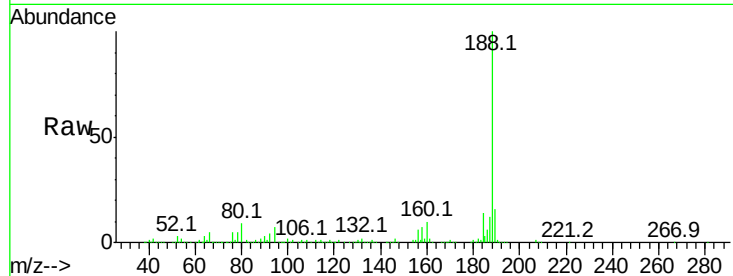




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2372
Delta R.T. -0.07 min
Lab File: BM011158.D
Acq: 07 Aug 2017 18:42

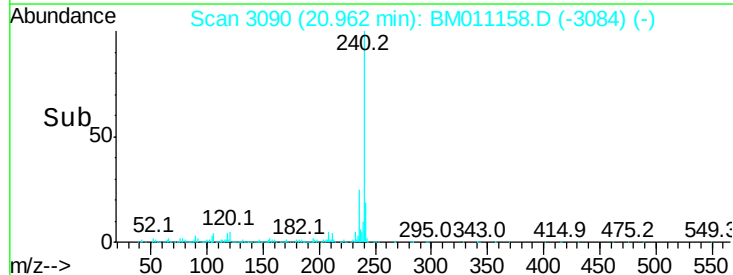
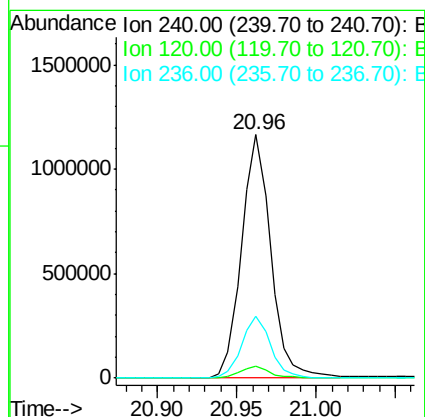
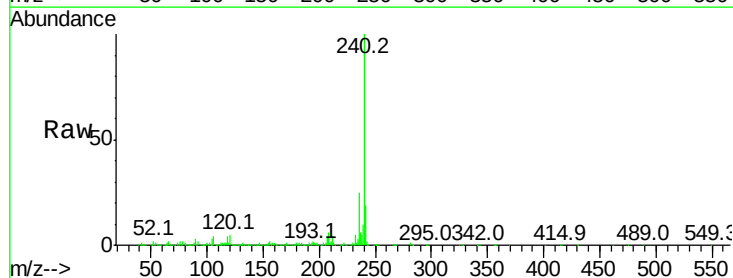
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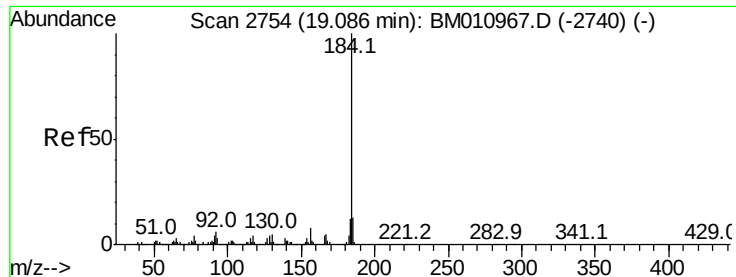
Tot Ion:188 Resp: 976191
Ion Ratio Lower Upper
188 100
94 7.0 8.7 13.1#
80 9.4 9.3 13.9



#75
Chrysene-d12
Concen: 20.000 ng
RT: 20.96 min Scan# 3090
Delta R.T. -0.06 min
Lab File: BM011158.D
Acq: 07 Aug 2017 18:42

Tgt Ion:240 Resp: 1495620
Ion Ratio Lower Upper
240 100
120 4.9 8.2 12.2#
236 25.2 20.0 30.0





#76

Benzidine

Concen: 17.171 ng

RT: 19.03 min Scan# 2761

Delta R.T. -0.06 min

Lab File: BM011158.D

Acq: 07 Aug 2017 18:42

Instrument :

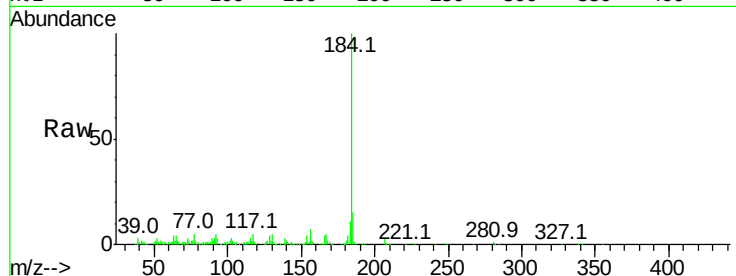
BNA_M

ClientSampleId :

TR-05-080317

Tot Ion:184 Resp: 614374

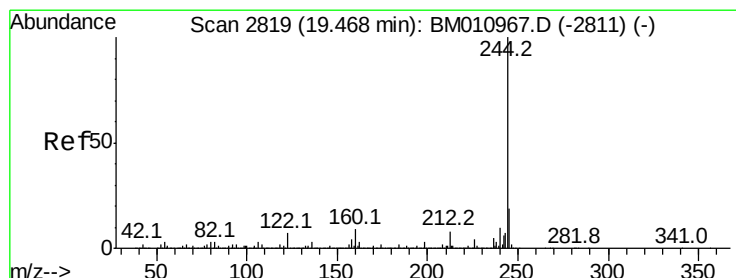
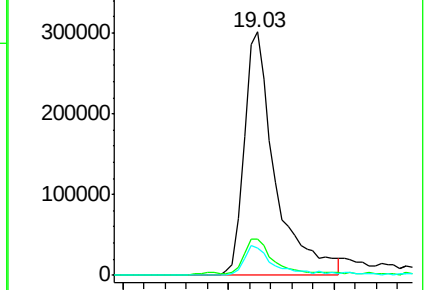
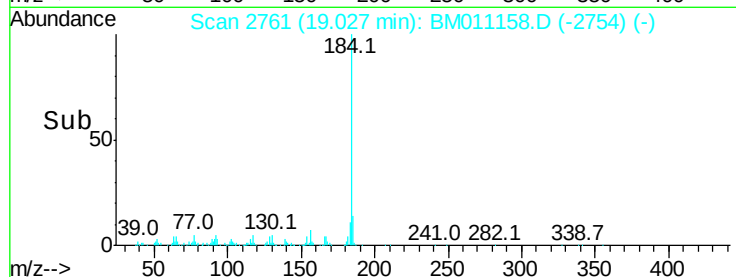
Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.3	16.9
183	11.4	8.9	13.3



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: 92.927 ng

RT: 19.41 min Scan# 2826

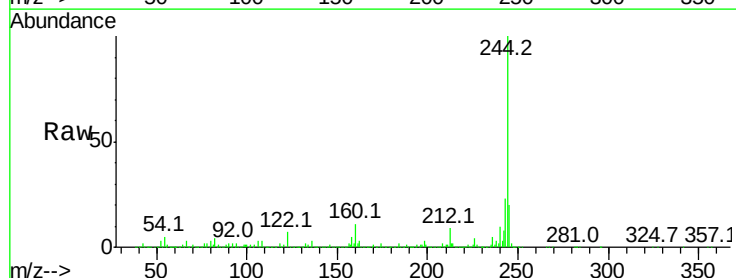
Delta R.T. -0.06 min

Lab File: BM011158.D

Acq: 07 Aug 2017 18:42

Tgt Ion:244 Resp: 7016261

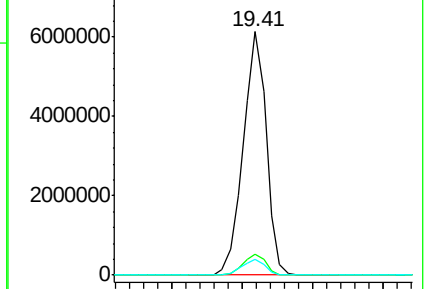
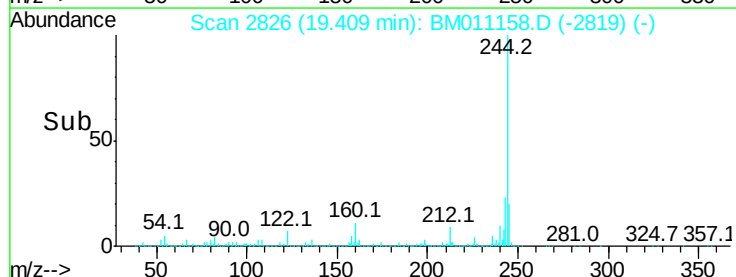
Ion	Ratio	Lower	Upper
244	100		
212	8.7	4.9	7.3#
122	6.5	6.2	9.4

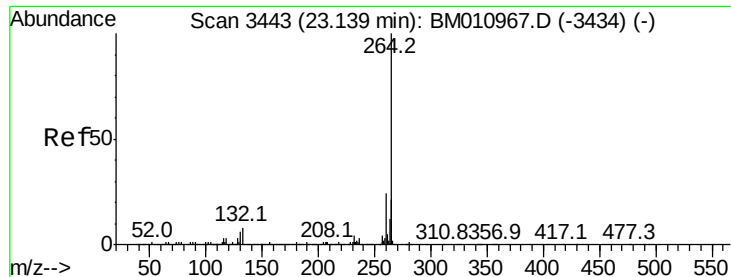


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.04 min Scan# 3444
 Delta R.T. -0.09 min
 Lab File: BM011158.D
 Acq: 07 Aug 2017 18:42

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-080317

Tot Ion:264 Resp: 1482405

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	22.5	17.3	25.9

