

Data Path : Z:\HPCHEM1\BNA M\DATA\BM083117\
 Data File : BM011403.D
 Acq On : 01 Sep 2017 10:12
 Operator : SJ/JU
 Sample : I5023-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-01-082917-B

Quant Time: Sep 01 11:24:59 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM083117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 18:39:59 2017
 Response via : Initial Calibration

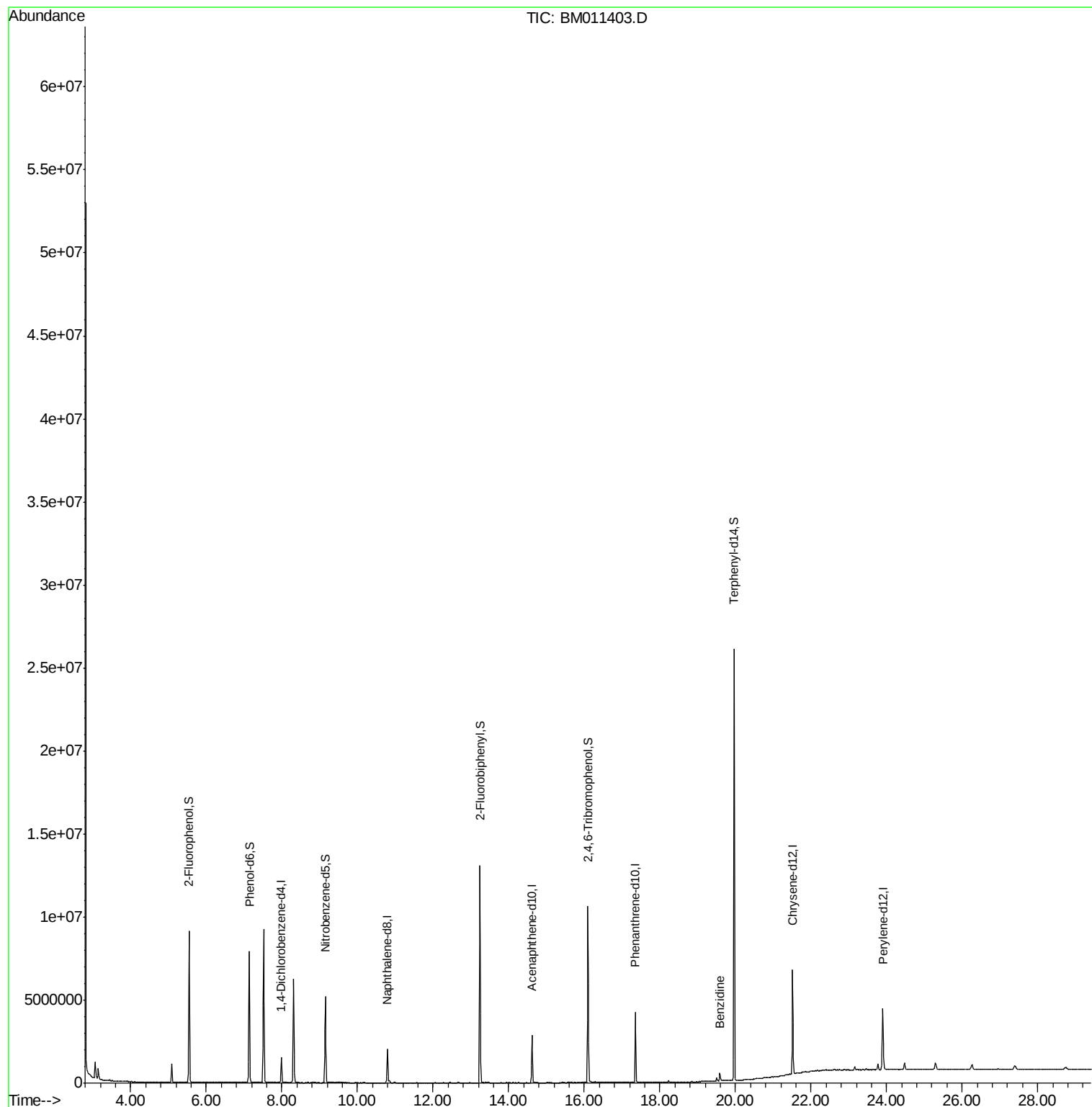
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	411683	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	1699750	20.00	ng	0.00
38) Acenaphthene-d10	14.62	164	945132	20.00	ng	-0.01
63) Phenanthrene-d10	17.36	188	2288321	20.00	ng	0.00
75) Chrysene-d12	21.52	240	2861729	20.00	ng	-0.02
86) Perylene-d12	23.90	264	2636779	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	3591649	146.85	ng	0.00
7) Phenol-d6	7.14	99	4377641	129.08	ng	0.00
23) Nitrobenzene-d5	9.15	82	2648976	102.70	ng	0.00
41) 2,4,6-Tribromophenol	16.10	330	1748043	159.86	ng	0.00
44) 2-Fluorobiphenyl	13.25	172	6639227	101.26	ng	0.00
78) Terphenyl-d14	19.97	244	10520555	91.22	ng	0.00
Target Compounds						
76) Benzidine	19.59	184	322291	5.706	ng	Qvalue 98

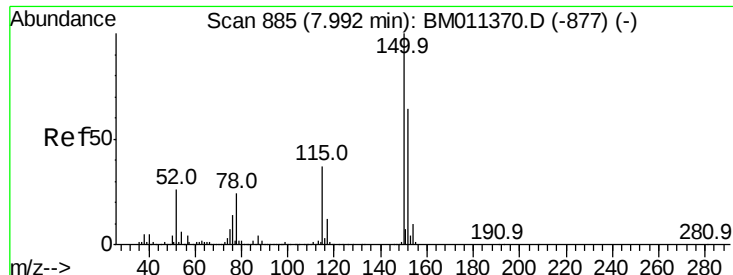
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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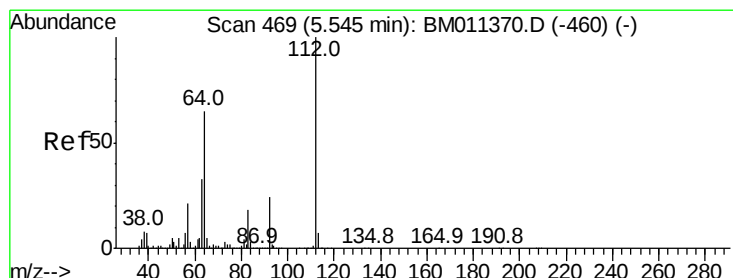
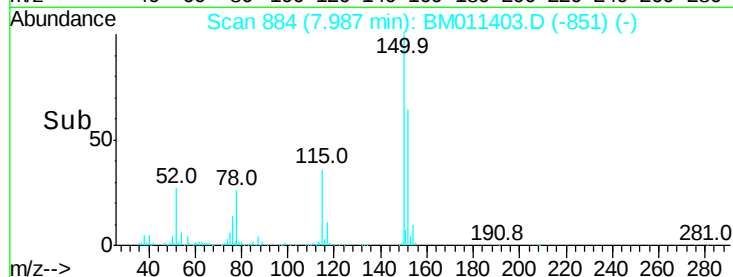
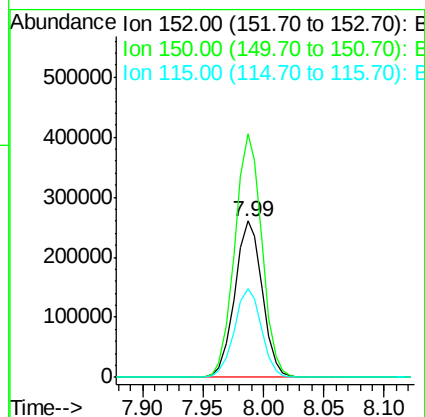
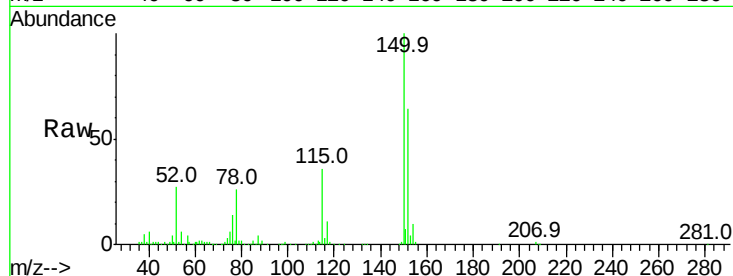


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BM011403.D
Acq: 01 Sep 2017 10:12

Instrument :
BNA_M
ClientSampleId :
PL-01-082917-B

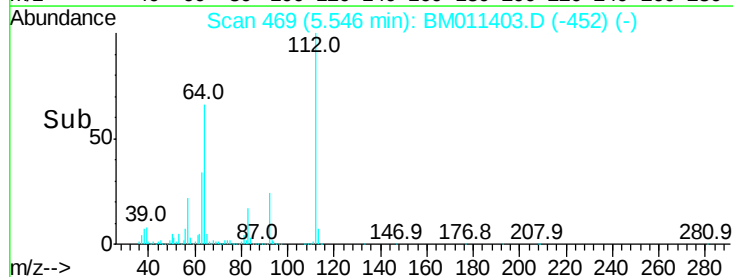
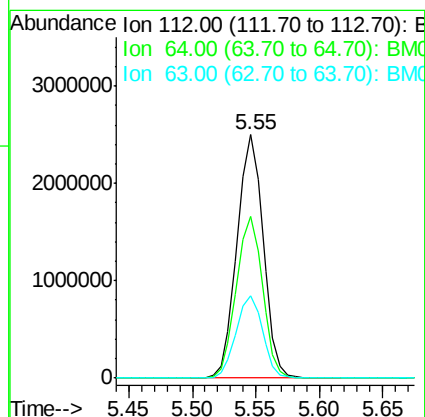
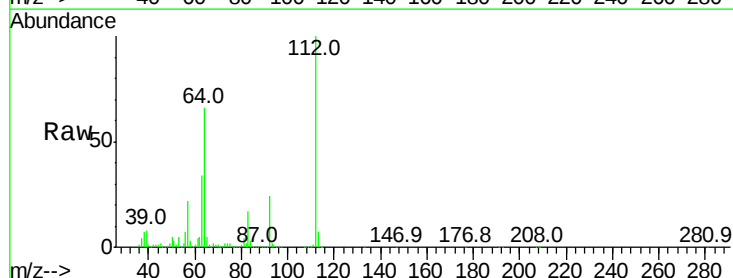
Tot Ion:152 Resp: 411683
Ion Ratio Lower Upper
152 100
150 155.8 119.5 179.3
115 56.7 43.0 64.4

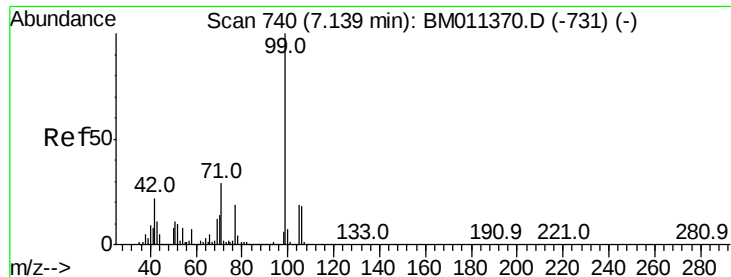


#5

2-Fluorophenol
Concen: 146.854 ng
RT: 5.55 min Scan# 469
Delta R.T. 0.00 min
Lab File: BM011403.D
Acq: 01 Sep 2017 10:12

Tgt Ion:112 Resp: 3591649
Ion Ratio Lower Upper
112 100
64 66.2 38.6 57.8#
63 33.6 19.3 28.9#





#7

Phenol-d6

Concen: 129.085 ng

RT: 7.14 min Scan# 740

Delta R.T. 0.00 min

Lab File: BM011403.D

Acq: 01 Sep 2017 10:12

Instrument :

BNA_M

ClientSampleId :

PL-01-082917-B

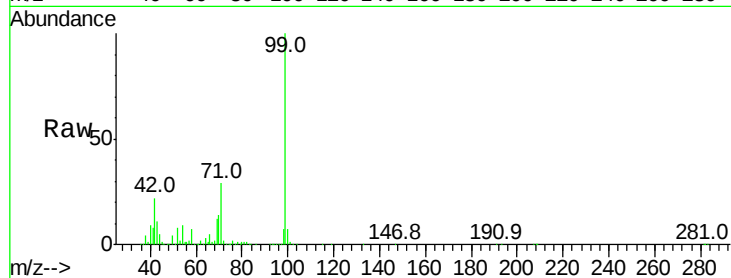
Tot Ion: 99 Resp: 4377641

Ion Ratio Lower Upper

99 100

42 22.3 11.0 16.4#

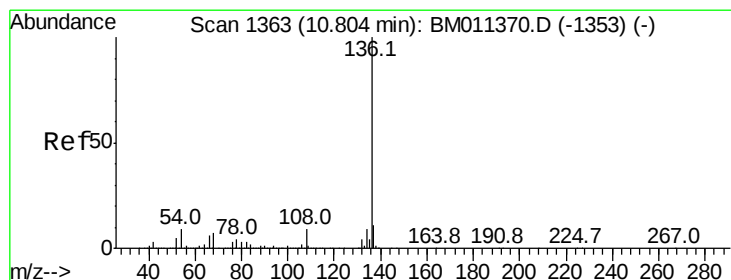
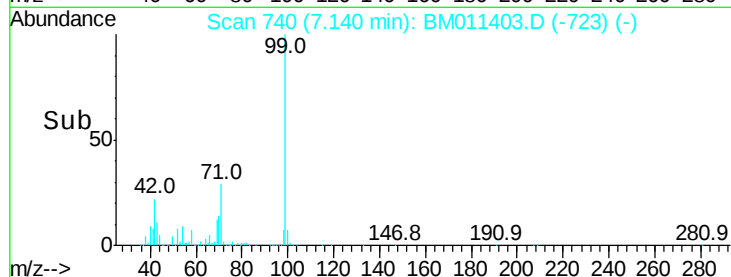
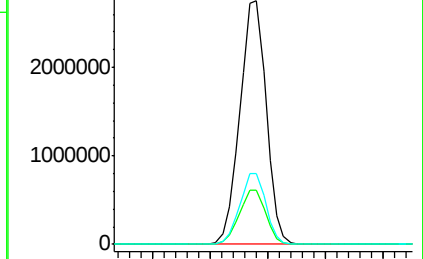
71 28.9 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM011370.D (-731) (-)

Ion 42.00 (41.70 to 42.70): BM011370.D (-731) (-)

Ion 71.00 (70.70 to 71.70): BM011370.D (-731) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BM011403.D

Acq: 01 Sep 2017 10:12

Tgt Ion: 136 Resp: 1699750

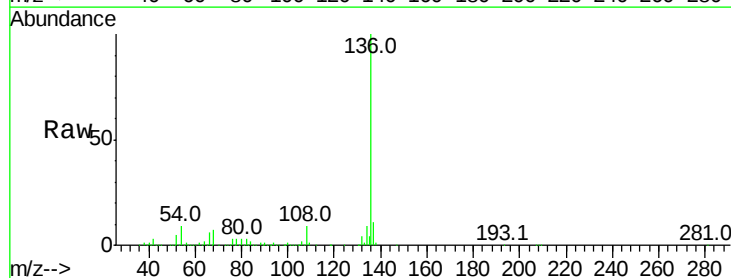
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 9.2 4.6 6.8#

68 6.8 3.7 5.5#

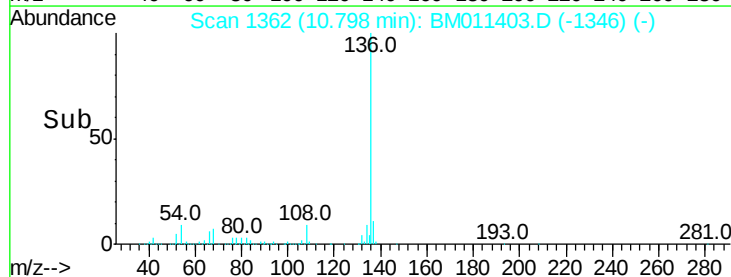
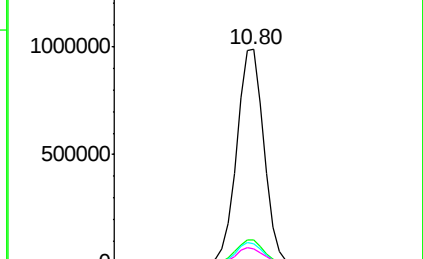


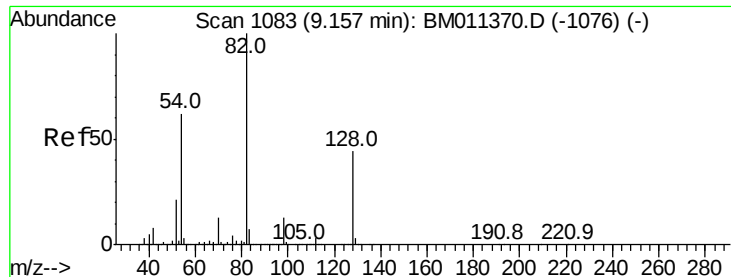
Abundance Ion 136.00 (135.70 to 136.70): BM011370.D (-1353) (-)

Ion 137.00 (136.70 to 137.70): BM011370.D (-1353) (-)

Ion 54.00 (53.70 to 54.70): BM011370.D (-1353) (-)

Ion 68.00 (67.70 to 68.70): BM011370.D (-1353) (-)



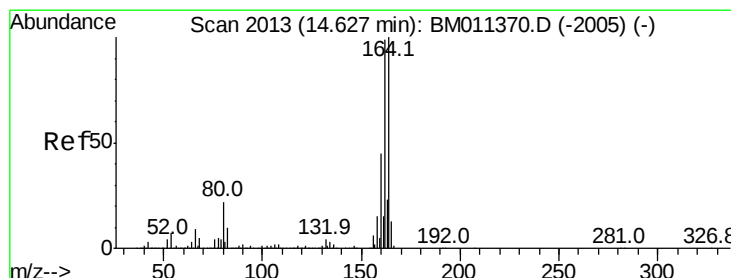
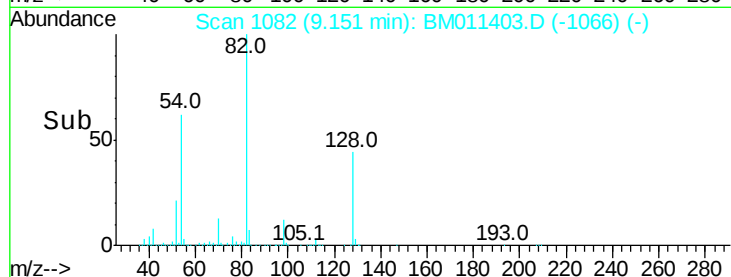
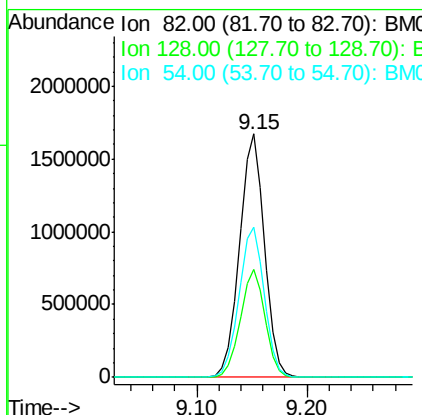
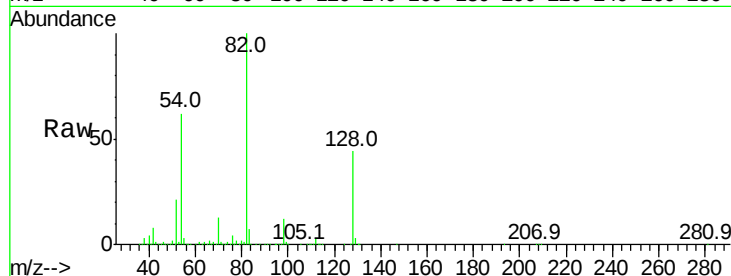


#23
 Nitrobenzene-d5
 Concen: 102.699 ng
 RT: 9.15 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: BM011403.D
 Acq: 01 Sep 2017 10:12

Instrument :
 BNA_M
 ClientSampleId :
 PL-01-082917-B

Tot Ion: 82 Resp: 2648976

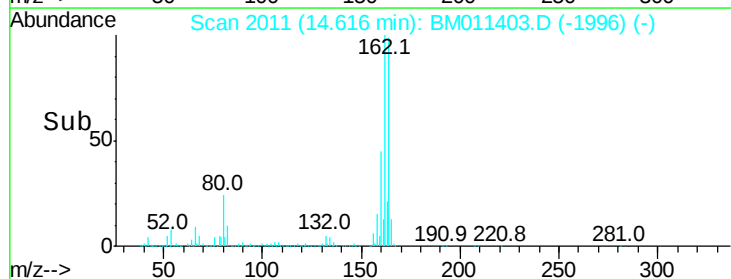
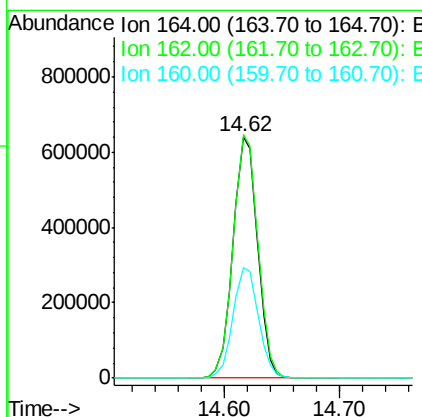
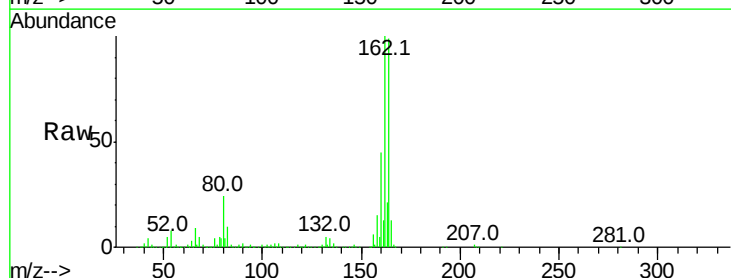
Ion	Ratio	Lower	Upper
82	100		
128	44.2	32.8	49.2
54	61.7	40.6	60.8#

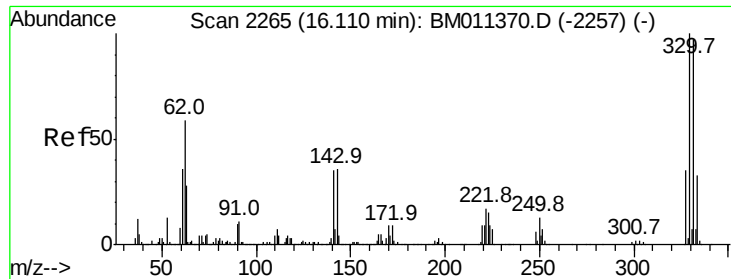


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.62 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BM011403.D
 Acq: 01 Sep 2017 10:12

Tgt Ion: 164 Resp: 945132

Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.4	123.6
160	45.6	35.8	53.6

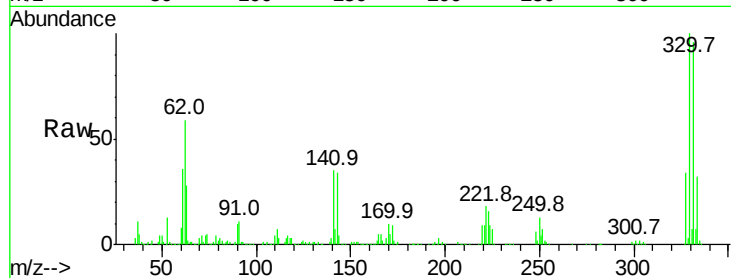




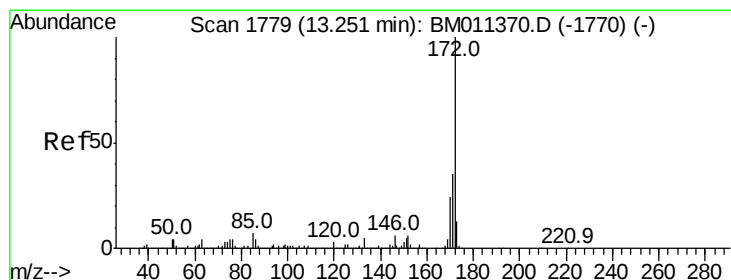
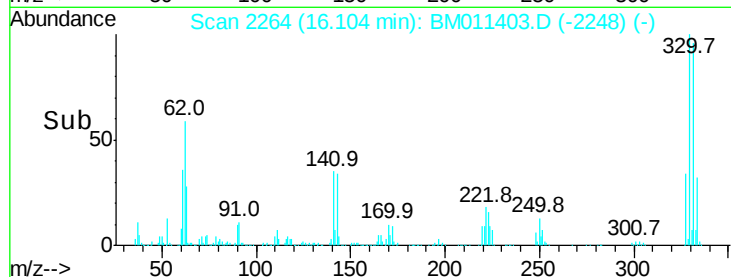
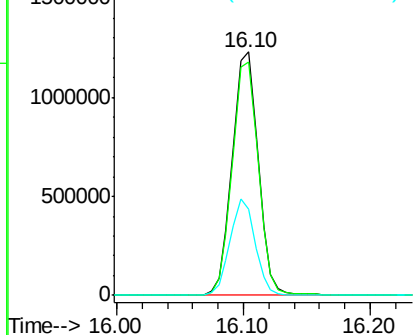
#41
 2,4,6-Tribromophenol
 Concen: 159.861 ng
 RT: 16.10 min Scan# 2264
 Delta R.T. -0.01 min
 Lab File: BM011403.D
 Acq: 01 Sep 2017 10:12

Instrument :
 BNA_M
 ClientSampleId :
 PL-01-082917-B

Tot Ion:330 Resp: 1748043
 Ion Ratio Lower Upper
 330 100
 332 96.6 0.0 0.0#
 141 38.5 0.0 0.0#

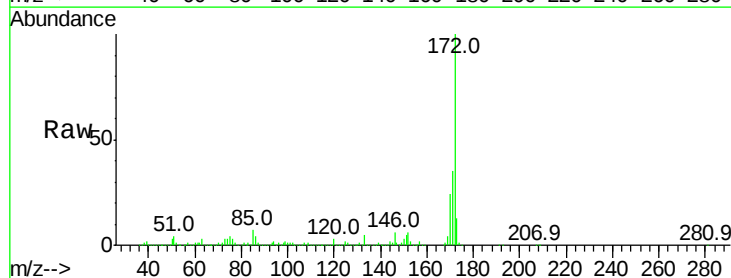


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

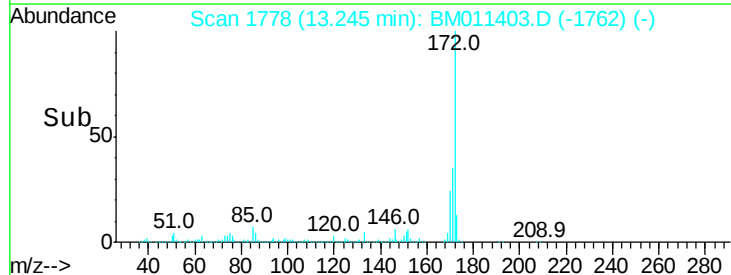
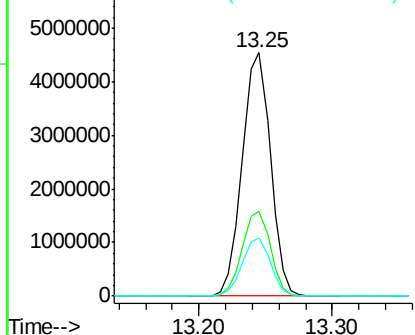


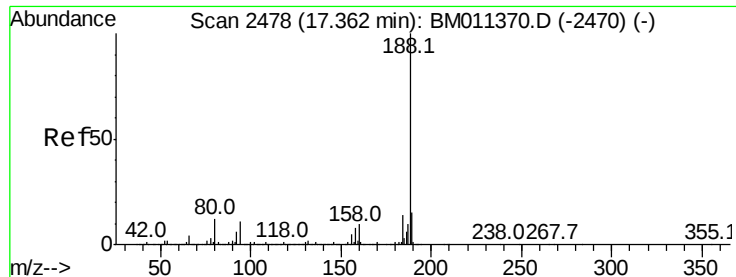
#44
 2-Fluorobiphenyl
 Concen: 101.259 ng
 RT: 13.25 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BM011403.D
 Acq: 01 Sep 2017 10:12

Tgt Ion:172 Resp: 6639227
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.5 42.7
 170 24.0 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

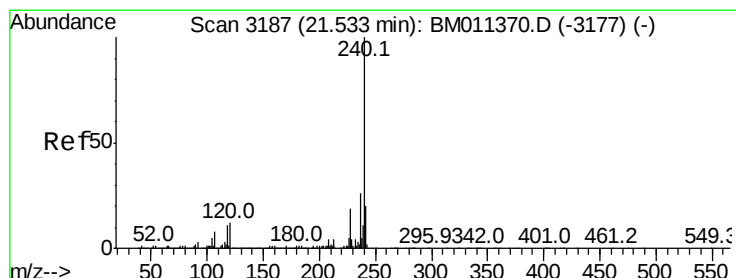
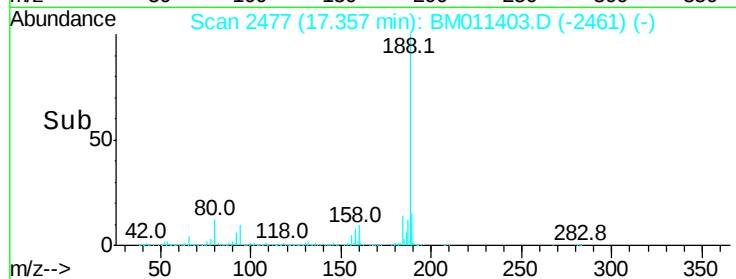
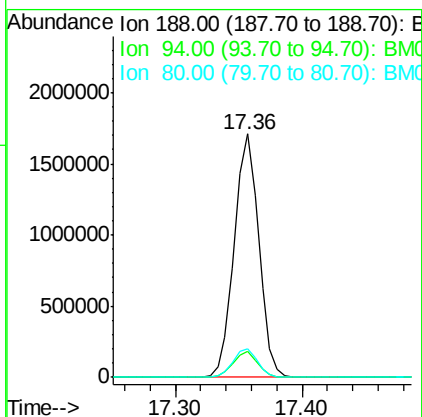
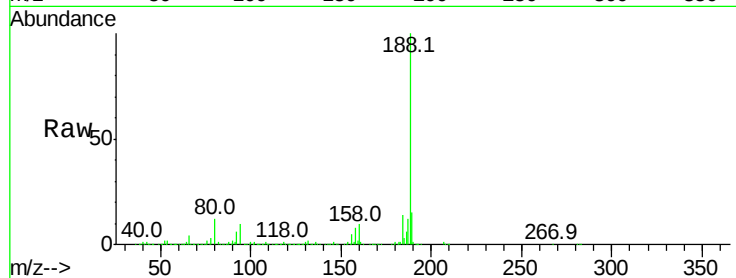




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.36 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BM011403.D
Acq: 01 Sep 2017 10:12

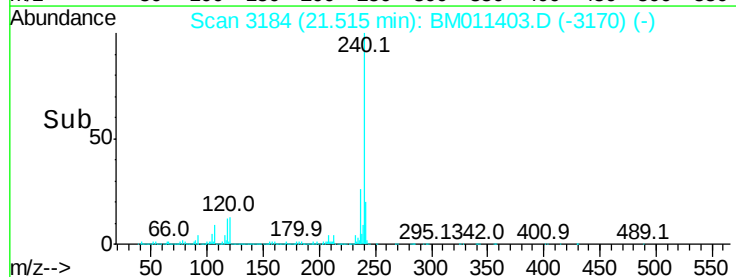
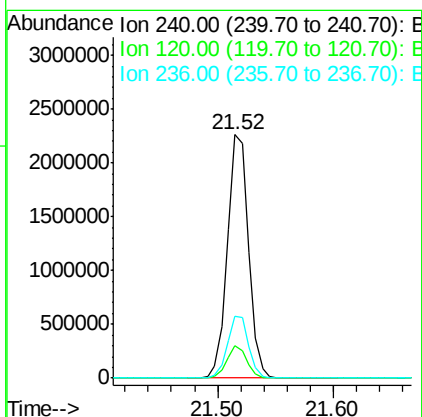
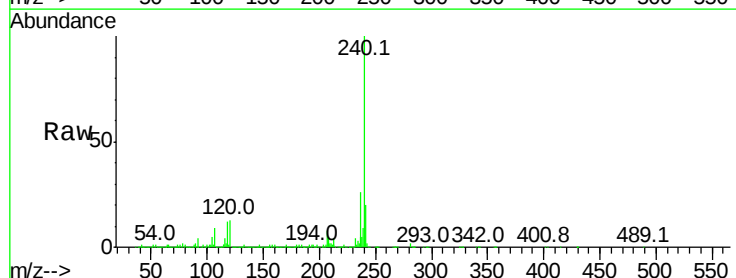
Instrument :
BNA_M
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PL-01-082917-B

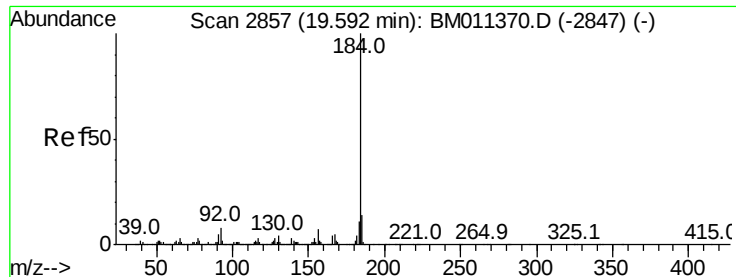
Tot Ion:188 Resp: 2288321
Ion Ratio Lower Upper
188 100
94 10.5 8.7 13.1
80 11.7 9.3 13.9



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.52 min Scan# 3184
Delta R.T. -0.02 min
Lab File: BM011403.D
Acq: 01 Sep 2017 10:12

Tgt Ion:240 Resp: 2861729
Ion Ratio Lower Upper
240 100
120 13.2 8.2 12.2#
236 25.6 20.0 30.0





#76

Benzidine

Concen: 5.706 ng

RT: 19.59 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BM011403.D

Acq: 01 Sep 2017 10:12

Instrument :

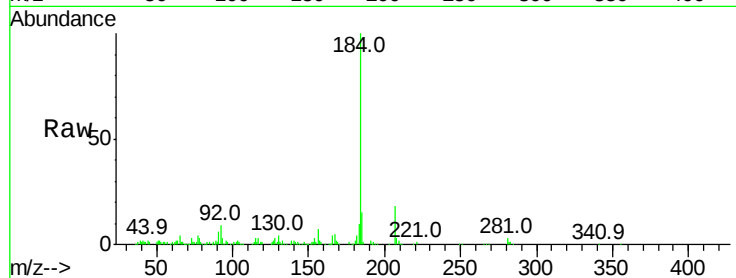
BNA_M

ClientSampleId :

PL-01-082917-B

Tot Ion:184 Resp: 322291

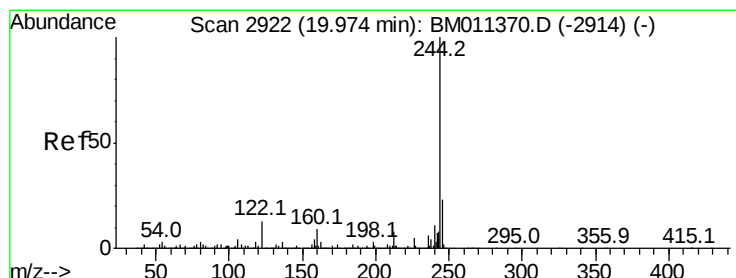
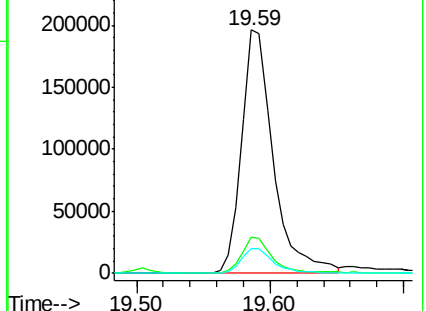
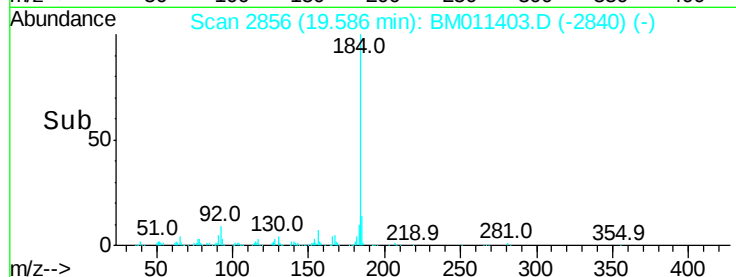
Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.3	16.9
183	10.1	8.9	13.3



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: 91.217 ng

RT: 19.97 min Scan# 2921

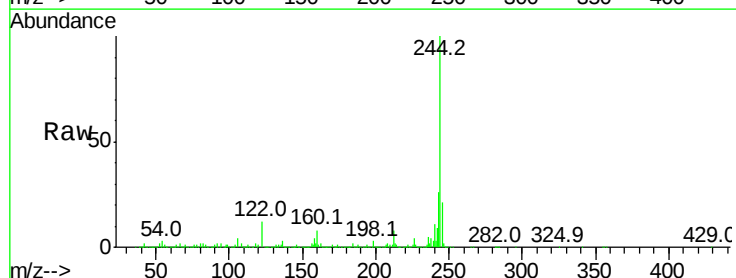
Delta R.T. -0.01 min

Lab File: BM011403.D

Acq: 01 Sep 2017 10:12

Tgt Ion:244 Resp:10520555

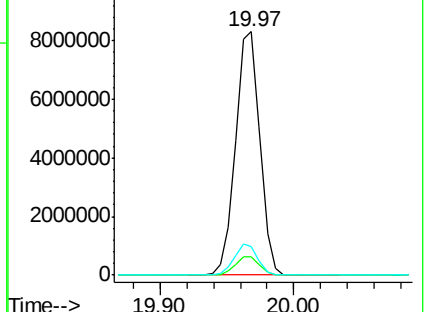
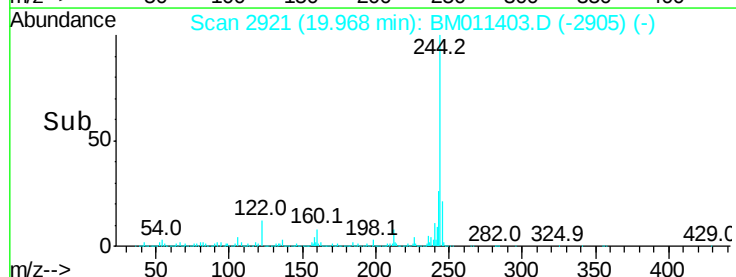
Ion	Ratio	Lower	Upper
244	100		
212	7.7	4.9	7.3#
122	11.6	6.2	9.4#

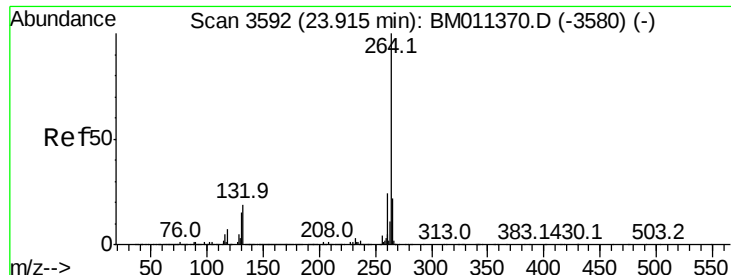


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.90 min Scan# 3589
Delta R.T. -0.02 min
Lab File: BM011403.D
Acq: 01 Sep 2017 10:12

Instrument :
BNA_M
ClientSampleId :
PL-01-082917-B

Tot Ion: 264 Resp: 2636779

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	22.3	17.3	25.9

