

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081718\
 Data File : BM016464.D
 Acq On : 18 Aug 2018 09:13
 Operator : SJ/JU
 Sample : J4500-24
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ROCK

Quant Time: Aug 20 01:40:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM081718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 17 16:27:00 2018
 Response via : Initial Calibration

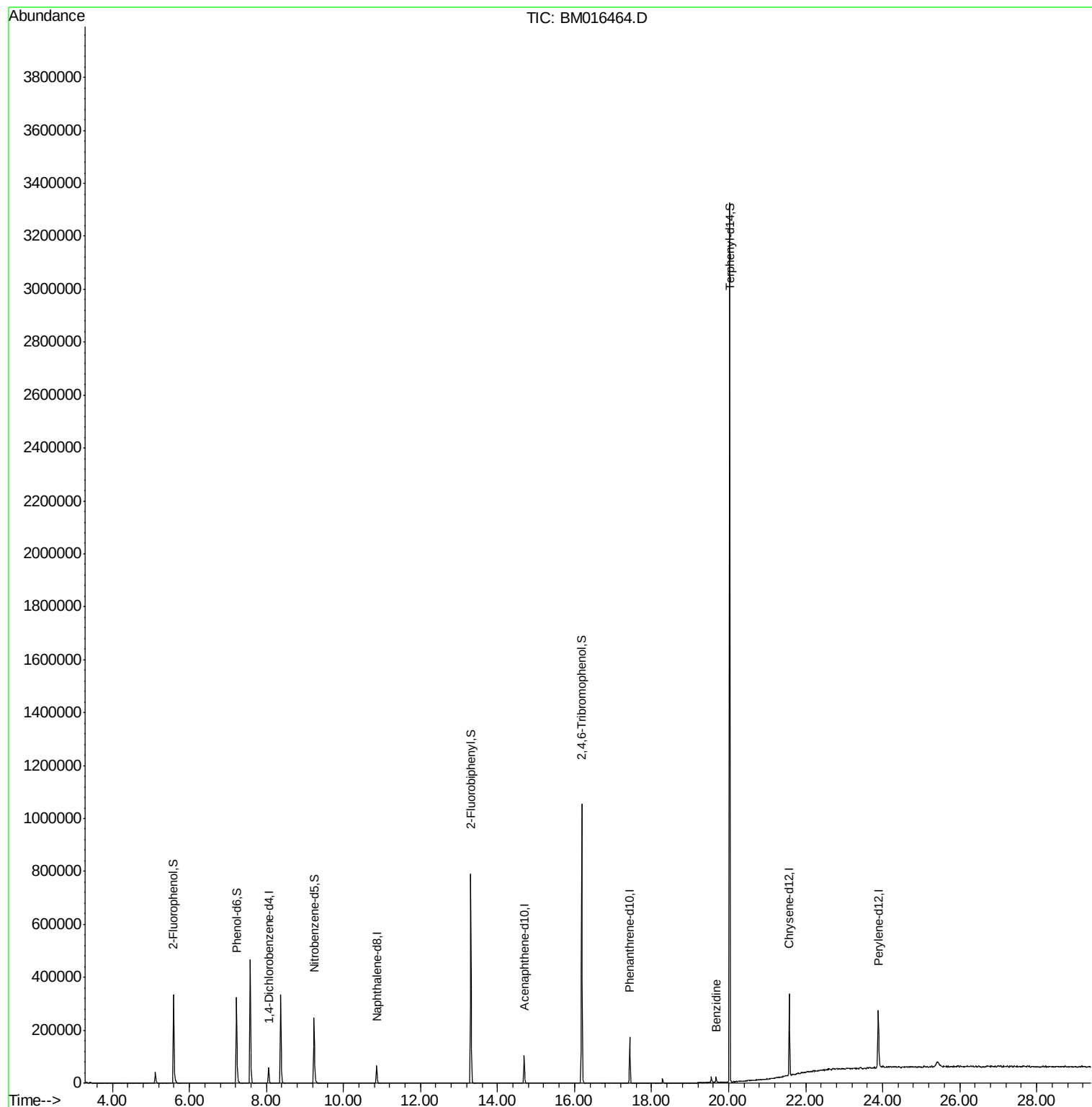
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	11611	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	44881	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	29830	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	83739	20.00	ng	-0.01
75) Chrysene-d12	21.58	240	122491	20.00	ng	0.00
86) Perylene-d12	23.88	264	140666	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	103985	150.51	ng	0.00
7) Phenol-d6	7.22	99	115156	124.00	ng	-0.01
23) Nitrobenzene-d5	9.24	82	117052	108.62	ng	0.00
41) 2,4,6-Tribromophenol	16.19	330	93499	207.53	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	274437	95.67	ng	-0.01
78) Terphenyl-d14	20.03	244	975354	120.35	ng	0.00
Target Compounds						
76) Benzidine	19.67	184	14279	5.297	ng	Qvalue 95

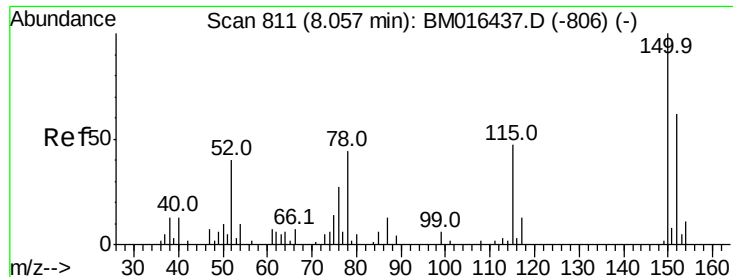
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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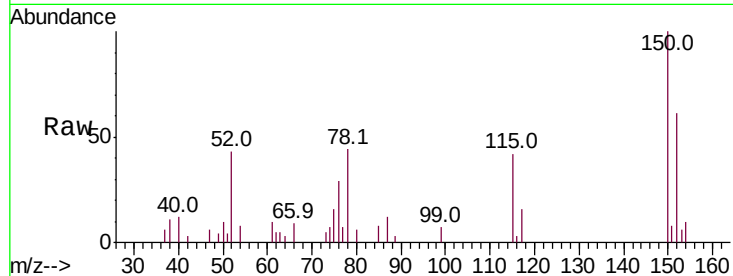


#1

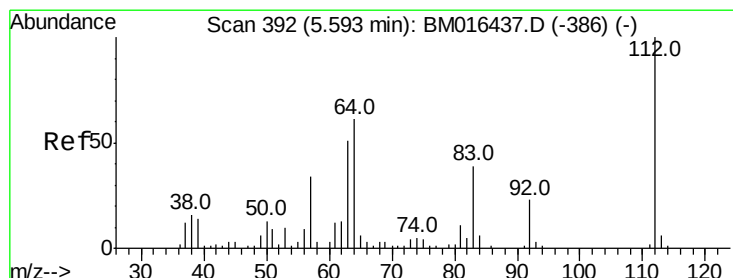
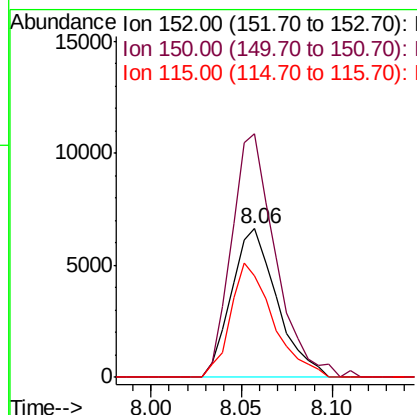
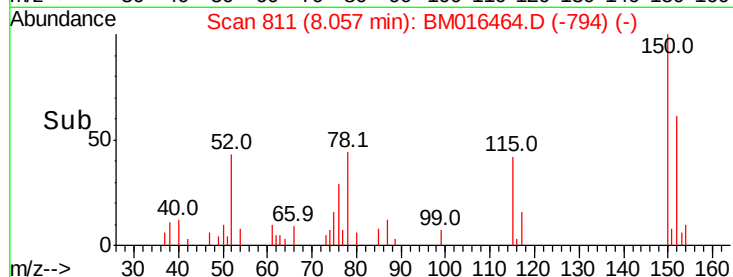
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 811
Delta R.T. 0.00 min
Lab File: BM016464.D
Acq: 18 Aug 2018 09:13

Instrument :
BNA_M
ClientSampled :
ROCK

Tot Ion:152 Resp: 11611
Ion Ratio Lower Upper
152 100
150 164.2 119.5 179.3
115 68.5 43.0 64.4#



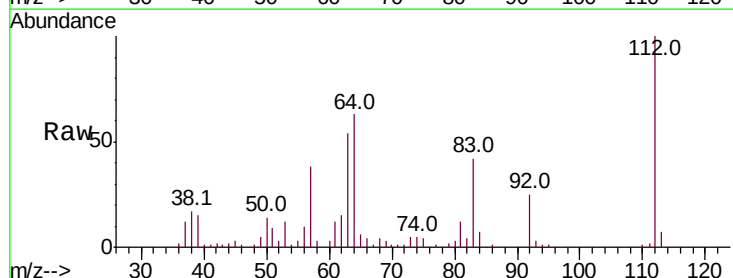
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



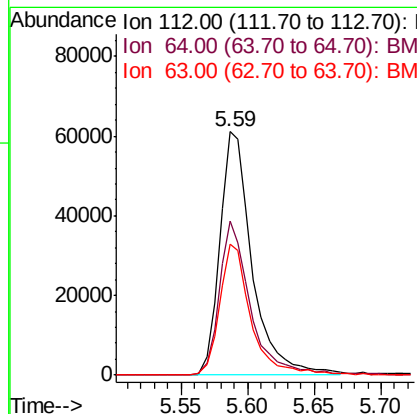
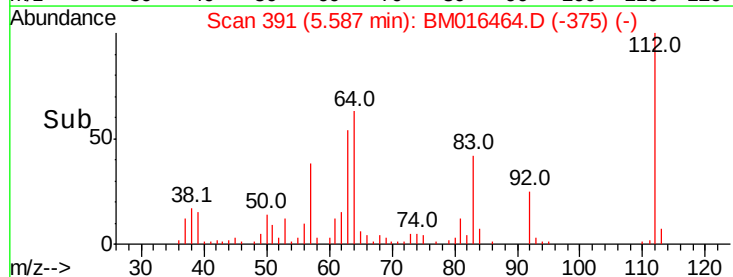
#5

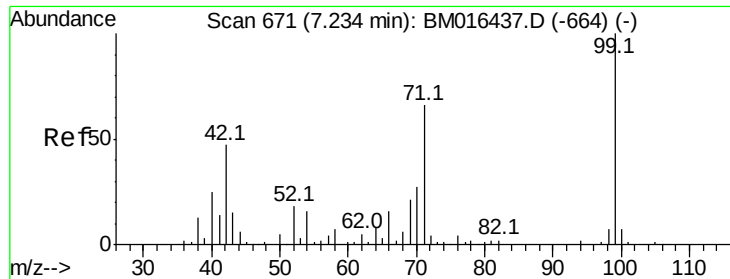
2-Fluorophenol
Concen: N.D. ng
RT: 5.59 min Scan# 391
Delta R.T. -0.01 min
Lab File: BM016464.D
Acq: 18 Aug 2018 09:13

Tgt Ion:112 Resp: 103985
Ion Ratio Lower Upper
112 100
64 63.2 38.6 57.8#
63 53.8 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: N.D. ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BM016464.D

Acq: 18 Aug 2018 09:13

Instrument :

BNA_M

ClientSampled :

ROCK

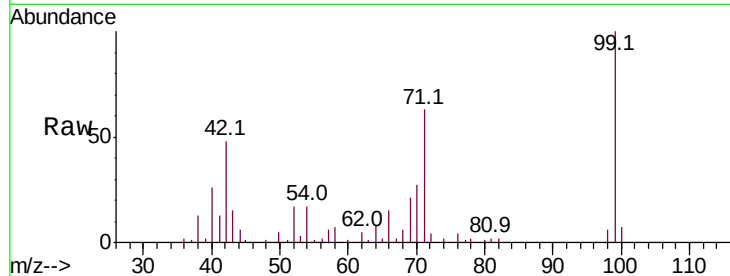
Tot Ion: 99 Resp: 115156

Ion Ratio Lower Upper

99 100

42 48.4 11.0 16.4#

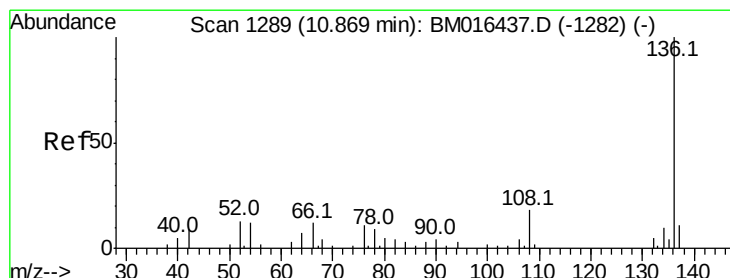
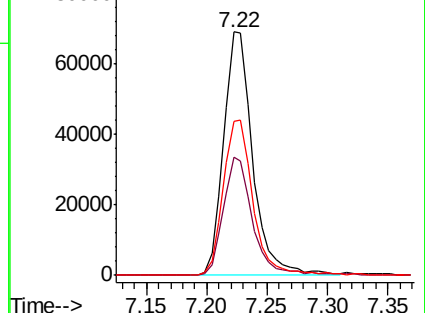
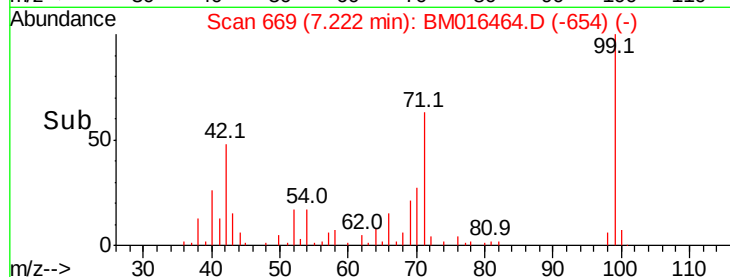
71 63.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016464.D (-654) (-)

Ion 42.00 (41.70 to 42.70): BM016464.D (-654) (-)

Ion 71.00 (70.70 to 71.70): BM016464.D (-654) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BM016464.D

Acq: 18 Aug 2018 09:13

Tgt Ion: 136 Resp: 44881

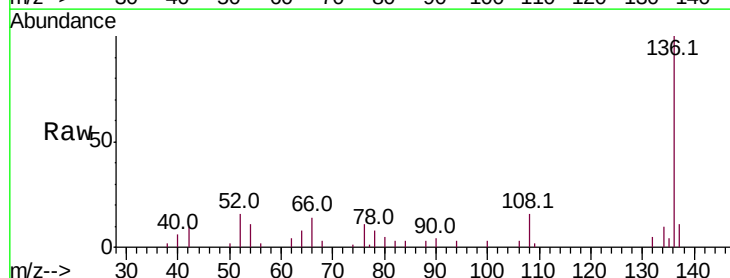
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.9 4.6 6.8#

68 2.5 3.7 5.5#

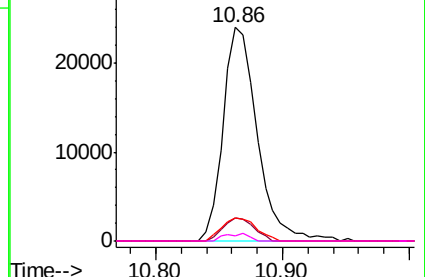
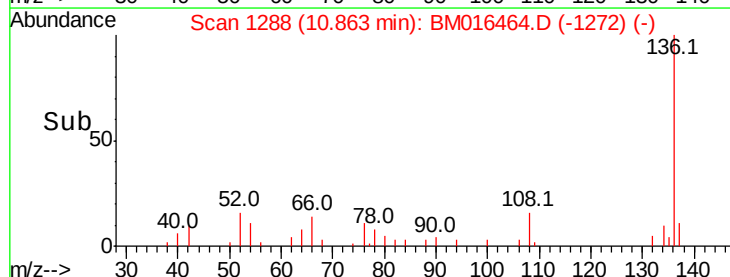


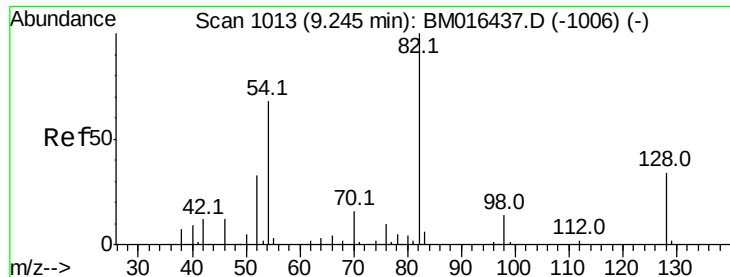
Abundance Ion 136.00 (135.70 to 136.70): BM016464.D (-1272) (-)

Ion 137.00 (136.70 to 137.70): BM016464.D (-1272) (-)

Ion 54.00 (53.70 to 54.70): BM016464.D (-1272) (-)

Ion 68.00 (67.70 to 68.70): BM016464.D (-1272) (-)

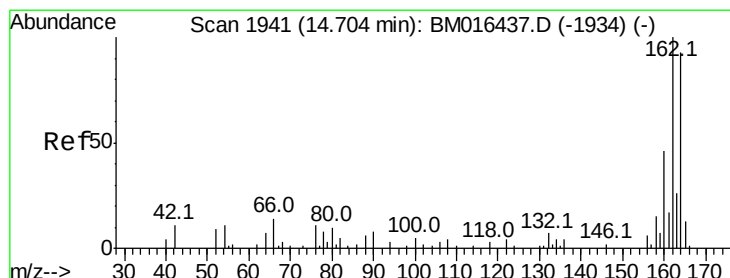
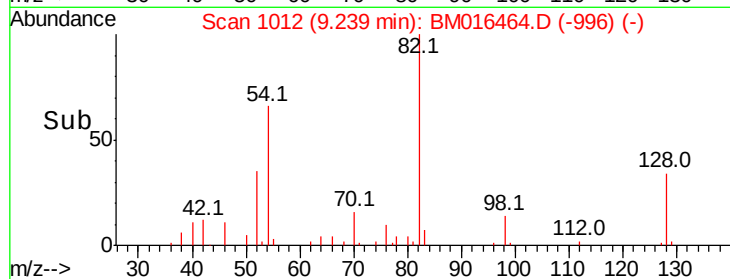
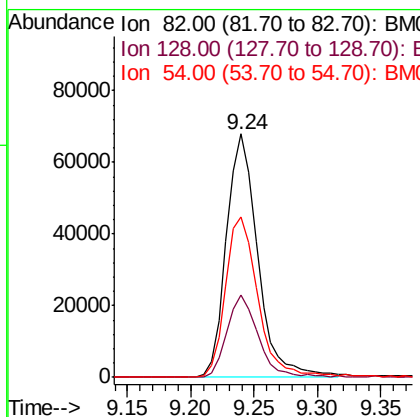
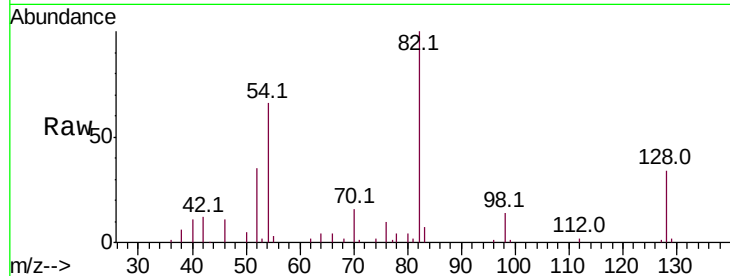




#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.24 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BM016464.D
 Acq: 18 Aug 2018 09:13

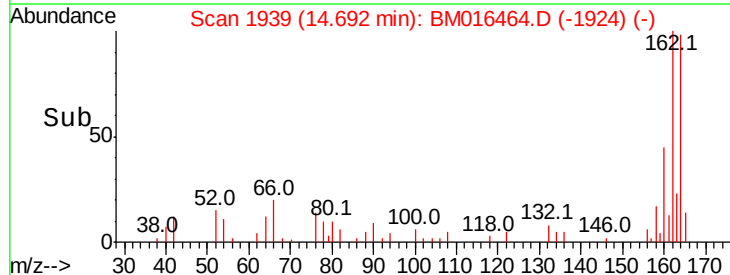
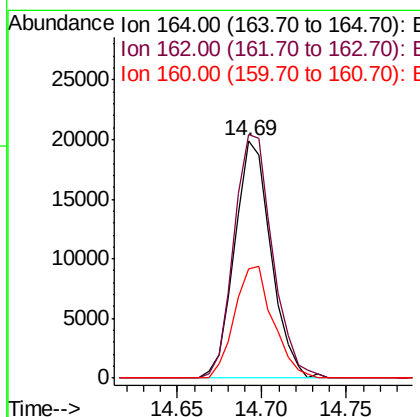
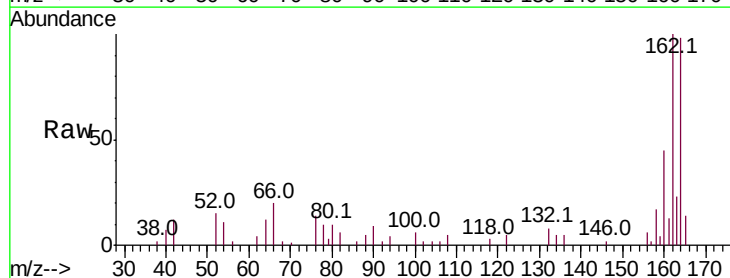
Instrument :
 BNA_M
 ClientSampleId :
 ROCK

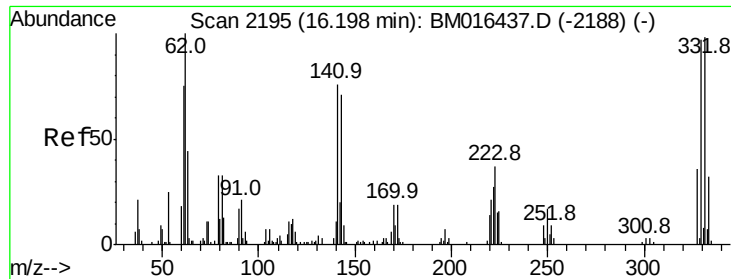
Tot Ion: 82 Resp: 117052
 Ion Ratio Lower Upper
 82 100
 128 33.7 32.8 49.2
 54 66.1 40.6 60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1939
 Delta R.T. -0.01 min
 Lab File: BM016464.D
 Acq: 18 Aug 2018 09:13

Tgt Ion:164 Resp: 29830
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.4 123.6
 160 46.1 35.8 53.6

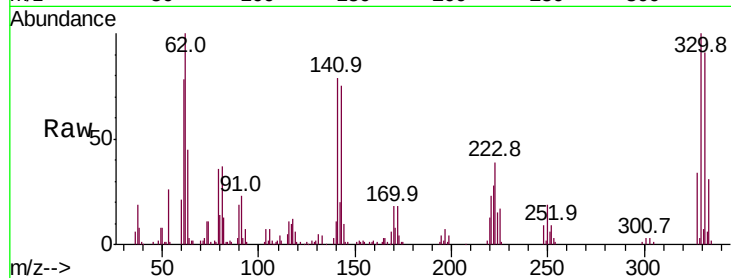




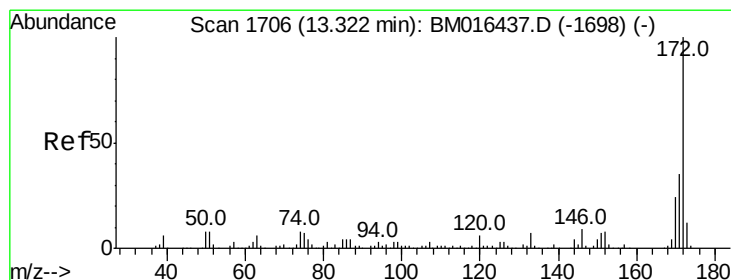
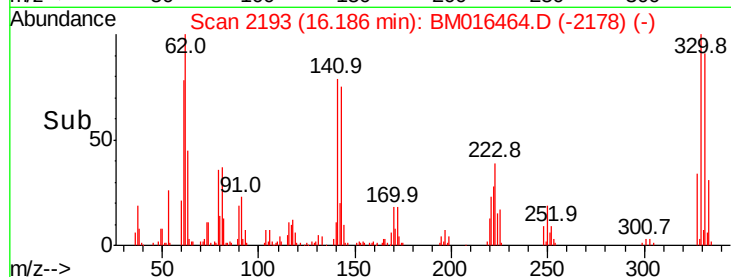
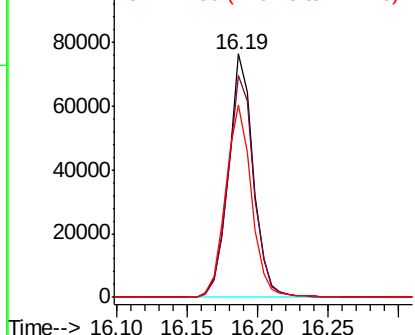
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.19 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BM016464.D
 Acq: 18 Aug 2018 09:13

Instrument :
 BNA_M
 ClientSampled :
 ROCK

Tot Ion:330 Resp: 93499
 Ion Ratio Lower Upper
 330 100
 332 95.5 0.0 0.0#
 141 82.5 0.0 0.0#

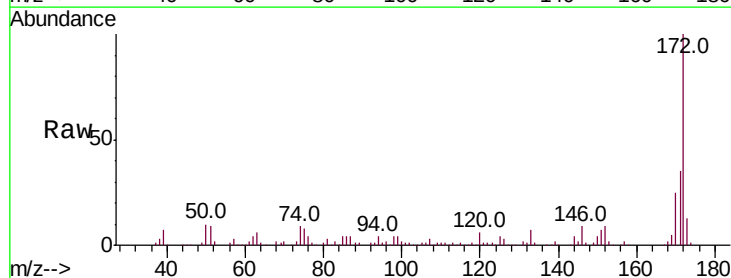


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

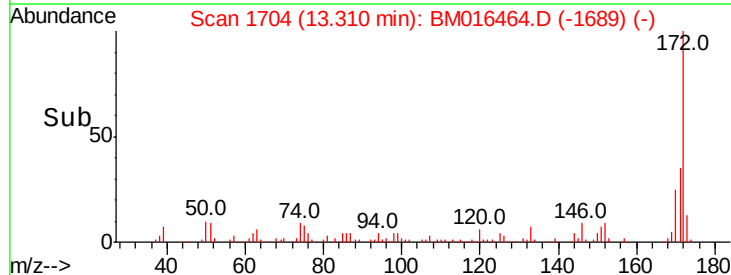
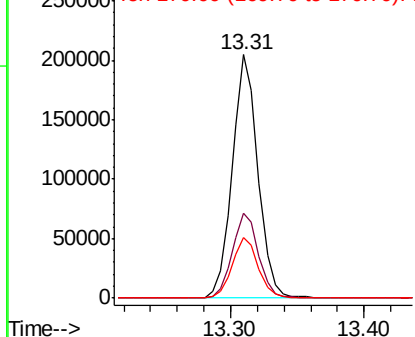


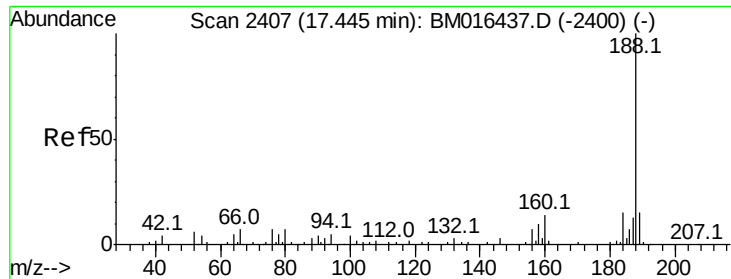
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.31 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BM016464.D
 Acq: 18 Aug 2018 09:13

Tgt Ion:172 Resp: 274437
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.5 42.7
 170 24.8 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

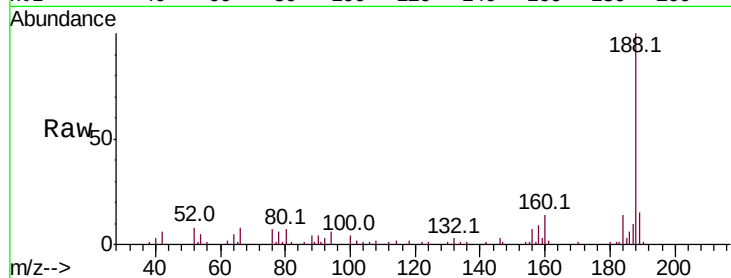




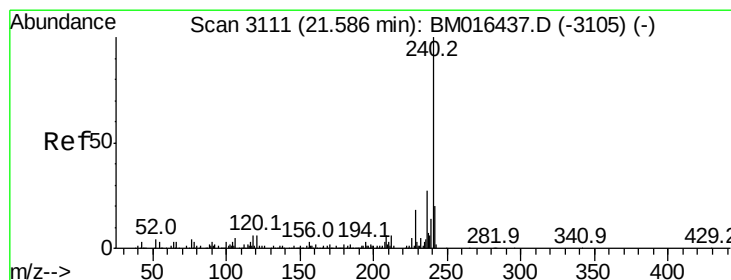
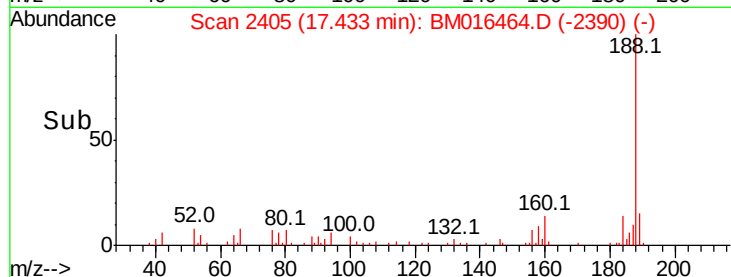
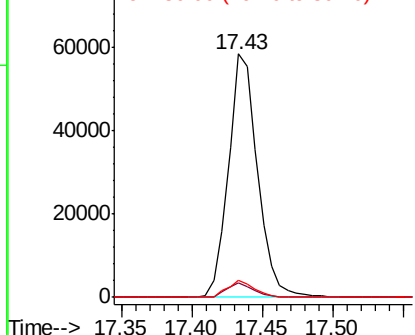
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BM016464.D
Acq: 18 Aug 2018 09:13

Instrument :
BNA_M
ClientSampleId :
ROCK

Tot Ion:188 Resp: 83739
Ion Ratio Lower Upper
188 100
94 6.0 8.7 13.1#
80 6.8 9.3 13.9#

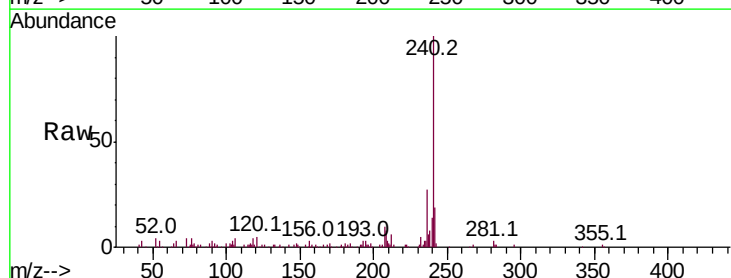


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

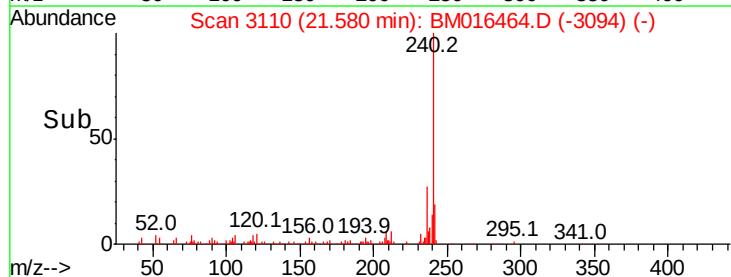
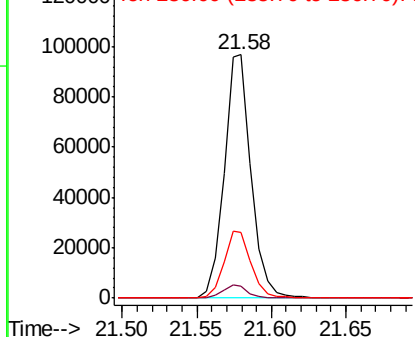


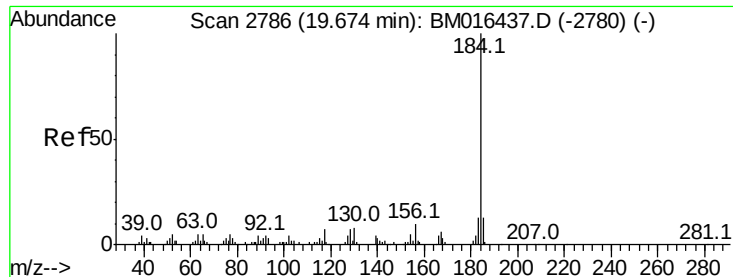
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3110
Delta R.T. -0.01 min
Lab File: BM016464.D
Acq: 18 Aug 2018 09:13

Tgt Ion:240 Resp: 122491
Ion Ratio Lower Upper
240 100
120 4.7 8.2 12.2#
236 27.2 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





#76

Benzidine

Concen: 5.297 ng

RT: 19.67 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BM016464.D

Acq: 18 Aug 2018 09:13

Instrument :

BNA_M

ClientSampleId :

ROCK

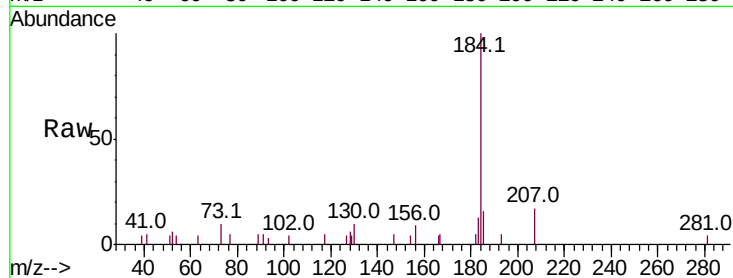
Tot Ion:184 Resp: 14279

Ion Ratio Lower Upper

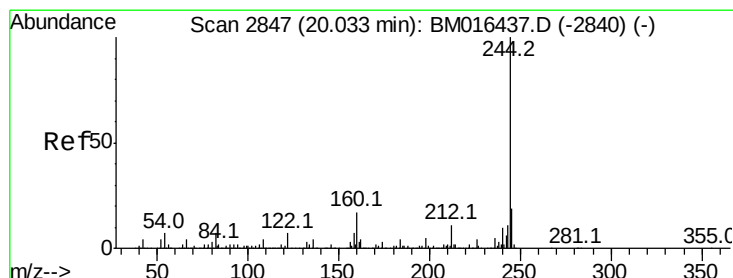
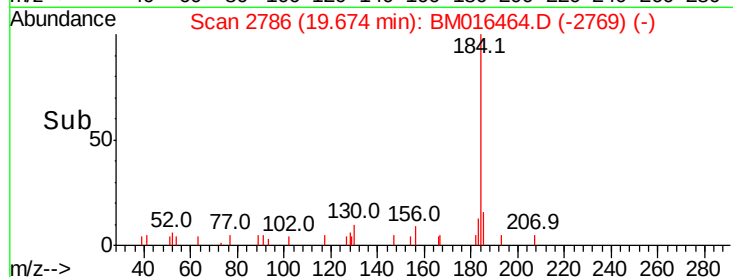
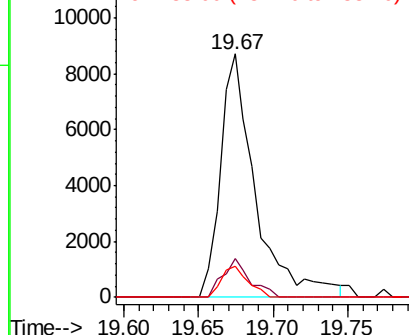
184 100

185 16.0 11.3 16.9

183 12.9 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: N.D. ng

RT: 20.03 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BM016464.D

Acq: 18 Aug 2018 09:13

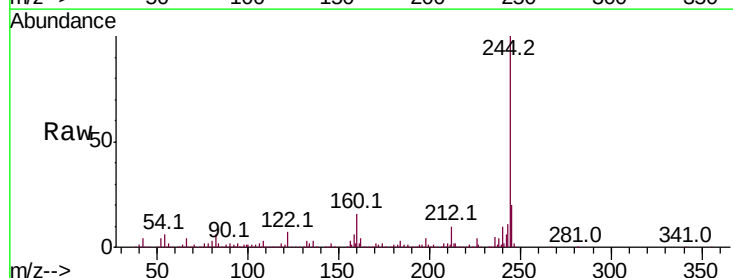
Tgt Ion:244 Resp: 975354

Ion Ratio Lower Upper

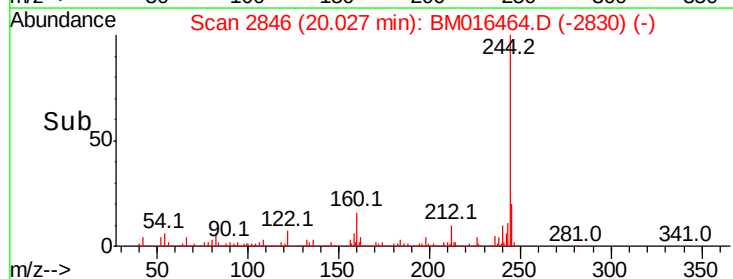
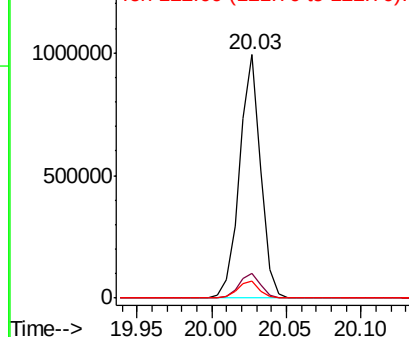
244 100

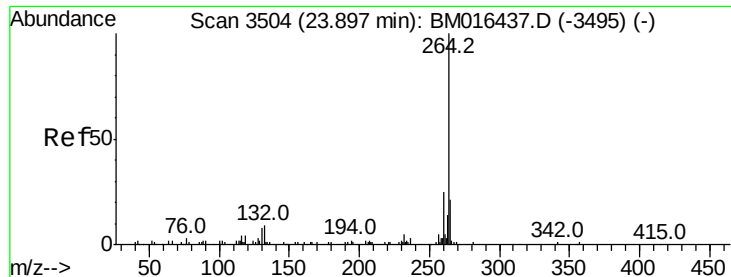
212 10.2 4.9 7.3#

122 6.9 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

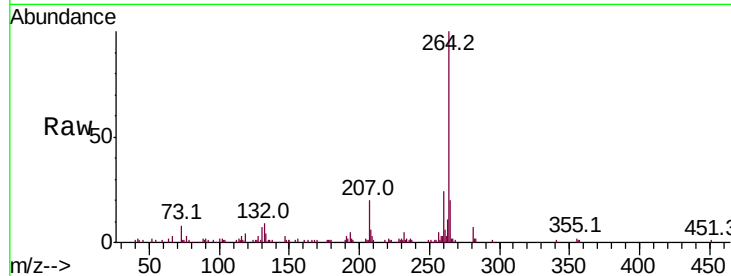




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.88 min Scan# 3501
Delta R.T. -0.02 min
Lab File: BM016464.D
Acq: 18 Aug 2018 09:13

Instrument :
BNA_M
ClientSampleId :
ROCK

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	19.6	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

