

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082118\
 Data File : BM016506.D
 Acq On : 22 Aug 2018 04:43
 Operator : SJ/JU
 Sample : PB112247TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB112247TB

Quant Time: Aug 22 05:57:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 16:31:22 2018
 Response via : Initial Calibration

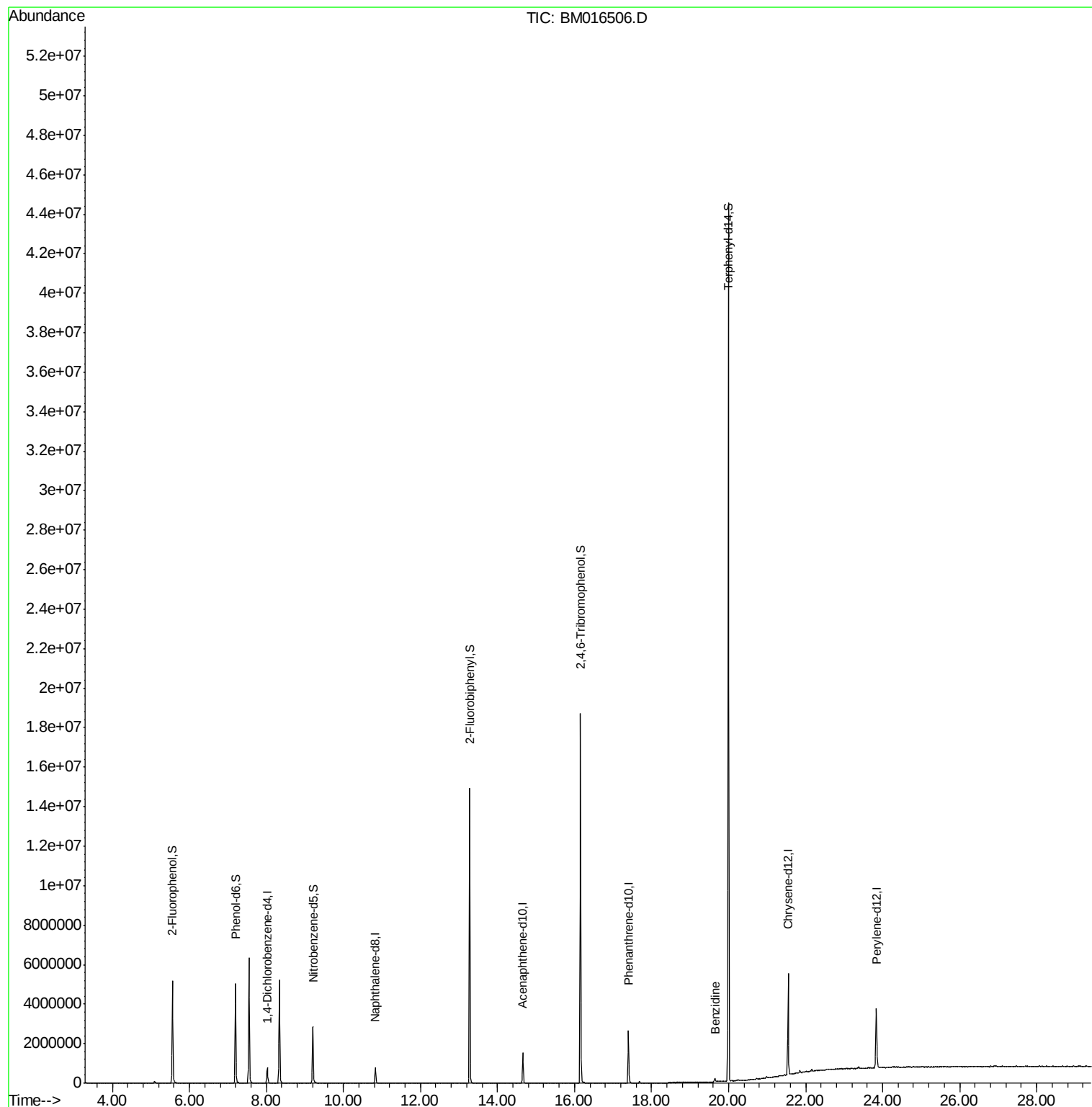
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	197299	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	581063	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	468913	20.00	ng	-0.01
63) Phenanthrene-d10	17.40	188	1633693	20.00	ng	0.00
75) Chrysene-d12	21.54	240	2271394	20.00	ng	0.00
86) Perylene-d12	23.83	264	2408057	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1771769	175.97	ng	0.00
7) Phenol-d6	7.20	99	2162148	162.28	ng	0.00
23) Nitrobenzene-d5	9.20	82	1616509	127.02	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	3392423	258.80	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	6843241	140.28	ng	0.00
78) Terphenyl-d14	19.99	244	13615548	126.87	ng	-0.01
Target Compounds						
76) Benzidine	19.64	184	135991	3.113	ng	Qvalue # 95

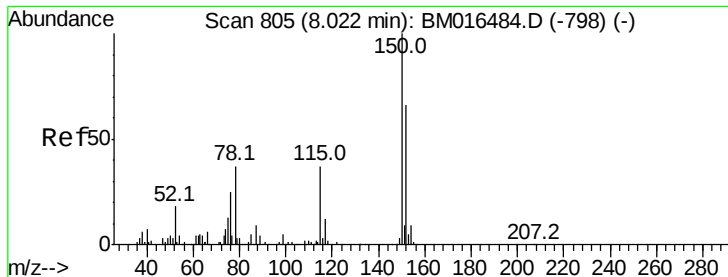
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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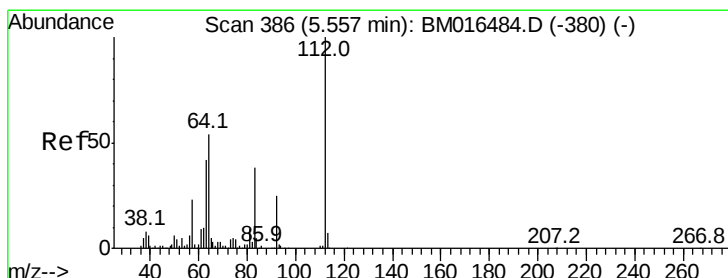
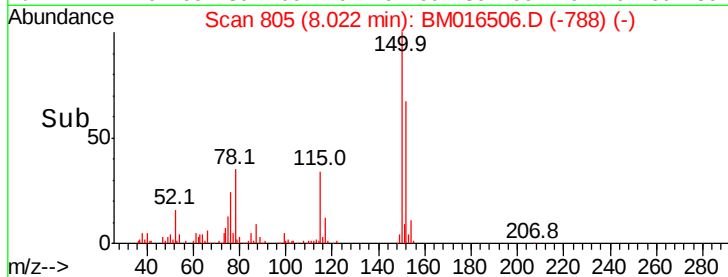
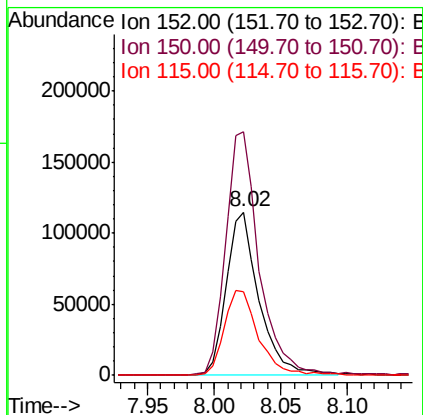
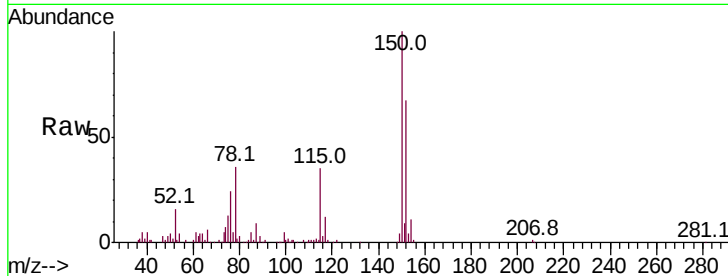


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BM016506.D
 Acq: 22 Aug 2018 04:43

Instrument :
 BNA_M
 ClientSampleId :
 PB112247TB

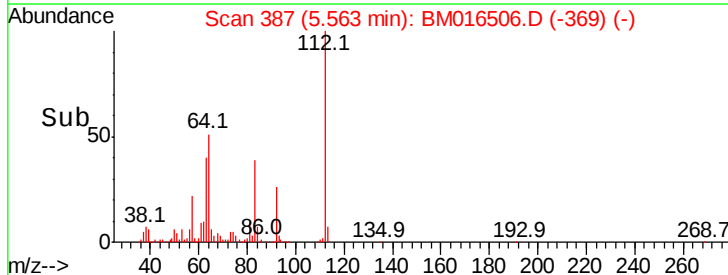
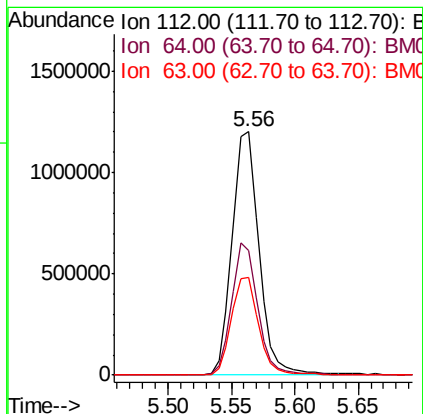
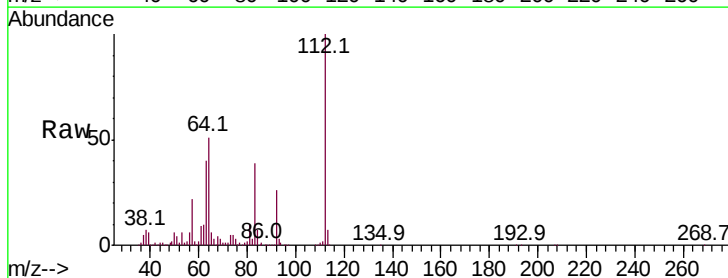
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.2	119.5	179.3
115	51.6	43.0	64.4



#5

2-Fluorophenol
 Concen: Below ng
 RT: 5.56 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: BM016506.D
 Acq: 22 Aug 2018 04:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	38.6	57.8
63	39.9	19.3	28.9





#7

Phenol-d6

Concen: Below na

RT: 7.20 min Scan# 665

Delta R.T. 0.00 min

Lab File: BM016506.D

Acq: 22 Aug 2018 04:43

Instrument :

BNA_M

ClientSampleId :

PB112247TB

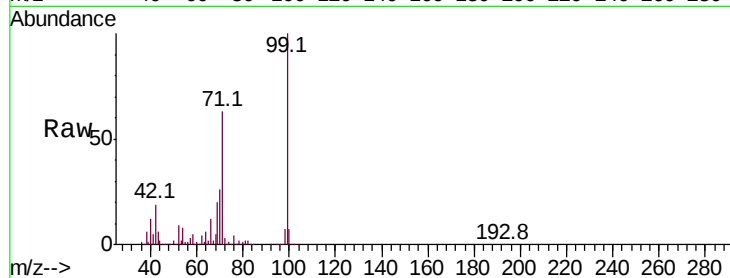
Tot Ion: 99 Resp: 2162148

Ion Ratio Lower Upper

99 100

42 19.1 11.0 16.4#

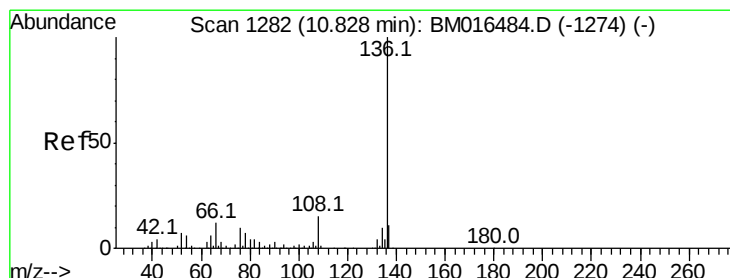
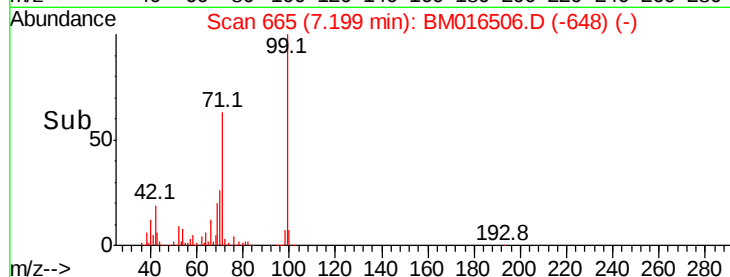
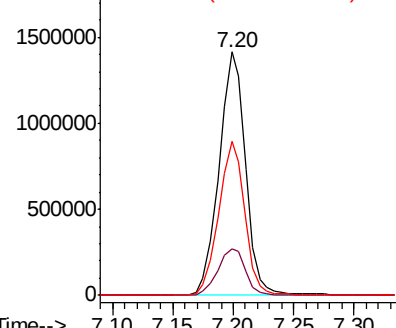
71 63.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016484.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM016484.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM016484.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BM016506.D

Acq: 22 Aug 2018 04:43

Tgt Ion:136 Resp: 581063

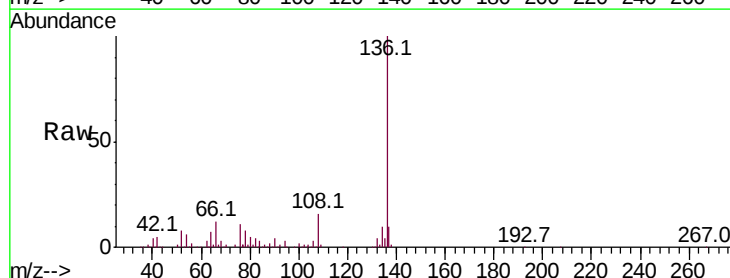
Ion Ratio Lower Upper

136 100

137 9.6 8.7 13.1

54 6.3 4.6 6.8

68 3.2 3.7 5.5#

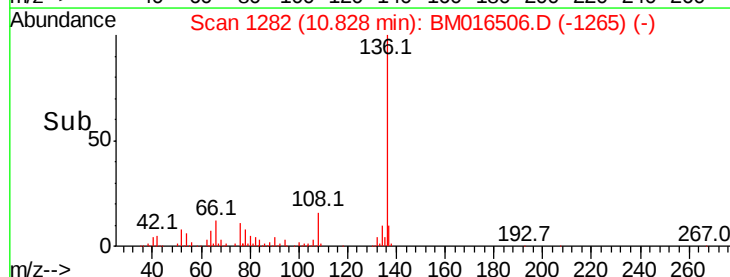
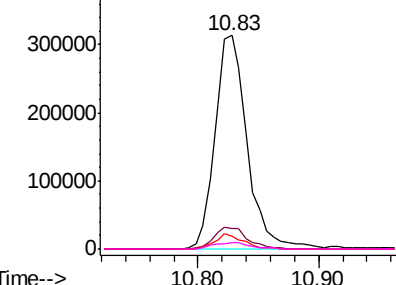


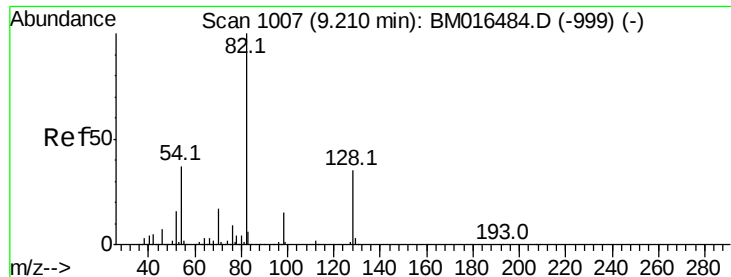
Abundance Ion 136.00 (135.70 to 136.70): BM016484.D (-1274) (-)

Ion 137.00 (136.70 to 137.70): BM016484.D (-1274) (-)

Ion 54.00 (53.70 to 54.70): BM016484.D (-1274) (-)

Ion 68.00 (67.70 to 68.70): BM016484.D (-1274) (-)

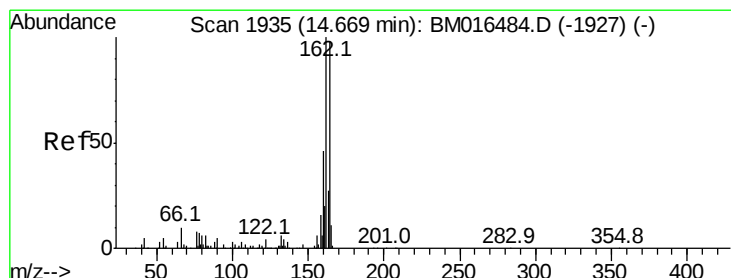
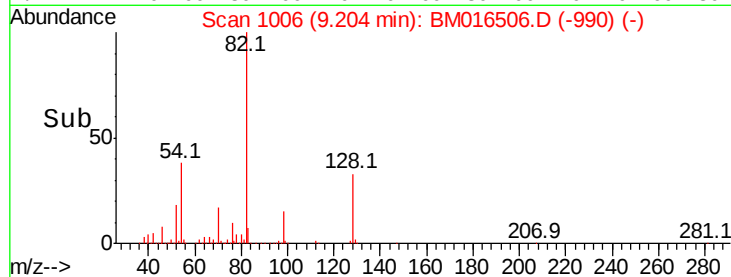
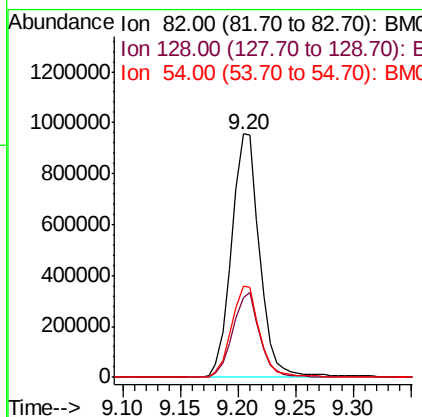
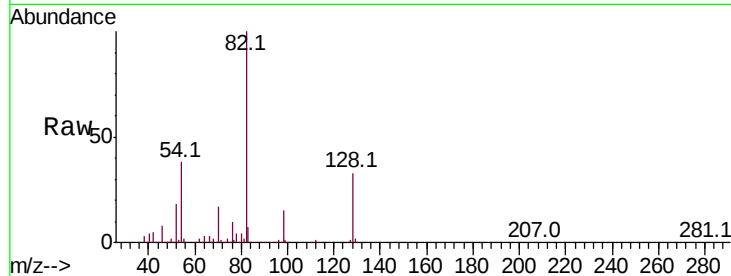




#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BM016506.D
Acq: 22 Aug 2018 04:43

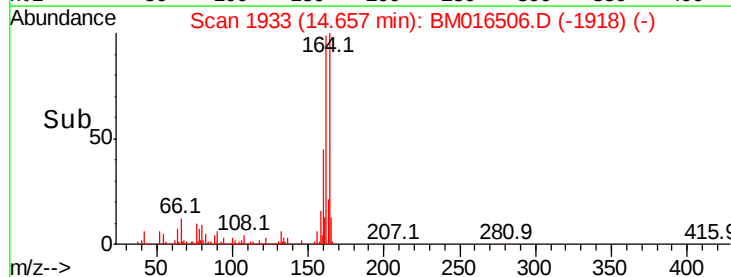
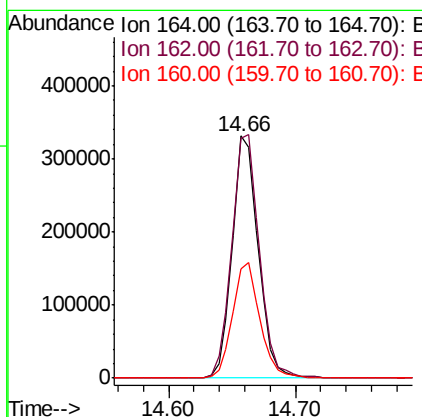
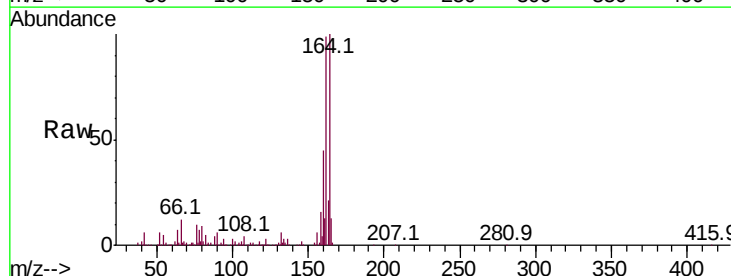
Instrument :
BNA_M
ClientSampleId :
PB112247TB

Tot Ion: 82 Resp: 1616509
Ion Ratio Lower Upper
82 100
128 33.0 32.8 49.2
54 37.7 40.6 60.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1933
Delta R.T. -0.01 min
Lab File: BM016506.D
Acq: 22 Aug 2018 04:43

Tgt Ion: 164 Resp: 468913
Ion Ratio Lower Upper
164 100
162 98.8 82.4 123.6
160 45.0 35.8 53.6





#41

2,4,6-Tribromophenol

Concen: N.D. ng

RT: 16.16 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BM016506.D

Acq: 22 Aug 2018 04:43

Instrument :

BNA_M

ClientSampleId :

PB112247TB

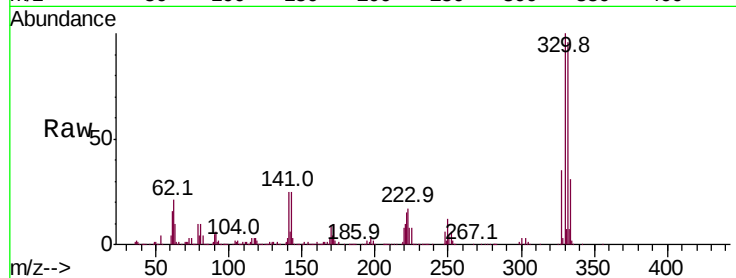
Tot Ion:330 Resp: 3392423

Ion Ratio Lower Upper

330 100

332 96.4 0.0 0.0#

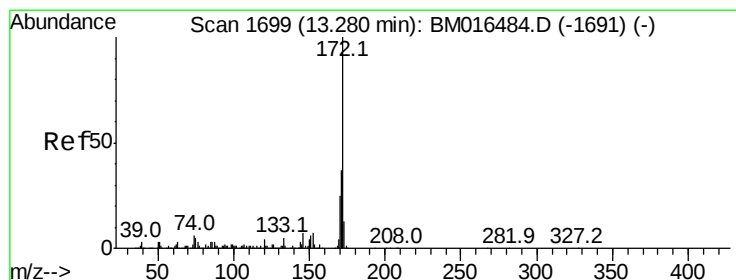
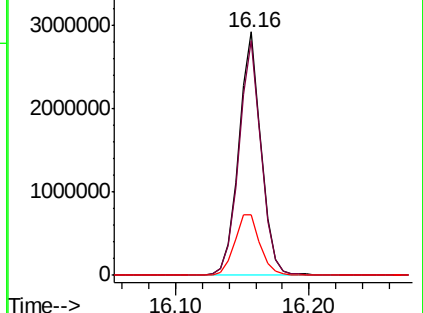
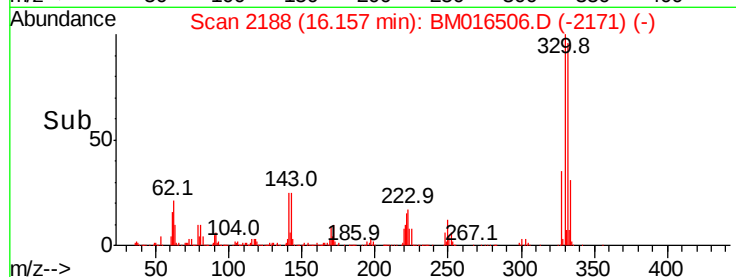
141 28.7 0.0 0.0#



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: 13.28 min Scan# 1699

Delta R.T. 0.00 min

Lab File: BM016506.D

Acq: 22 Aug 2018 04:43

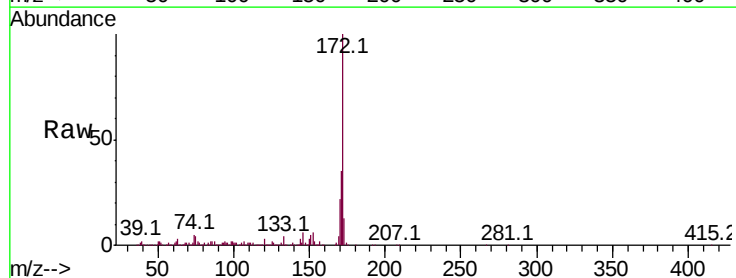
Tgt Ion:172 Resp: 6843241

Ion Ratio Lower Upper

172 100

171 35.0 28.5 42.7

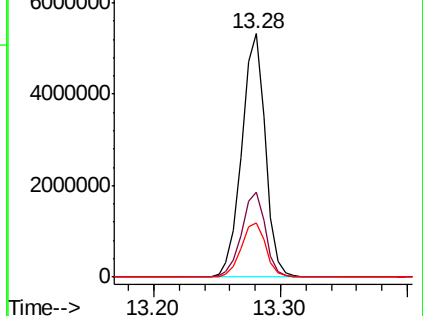
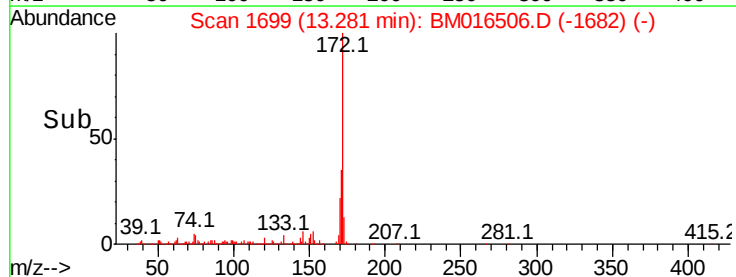
170 22.5 18.8 28.2

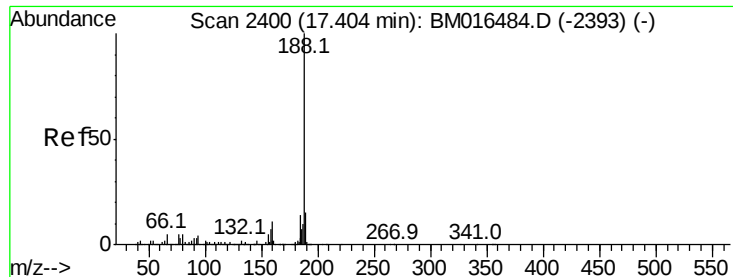


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.40 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM016506.D

Acq: 22 Aug 2018 04:43

Instrument :

BNA_M

ClientSampleId :

PB112247TB

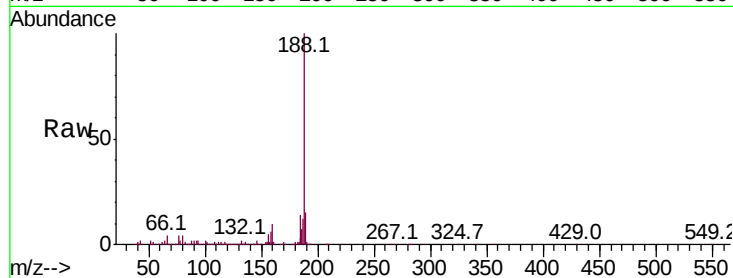
Tot Ion:188 Resp: 1633693

Ion Ratio Lower Upper

188 100

94 2.3 8.7 13.1#

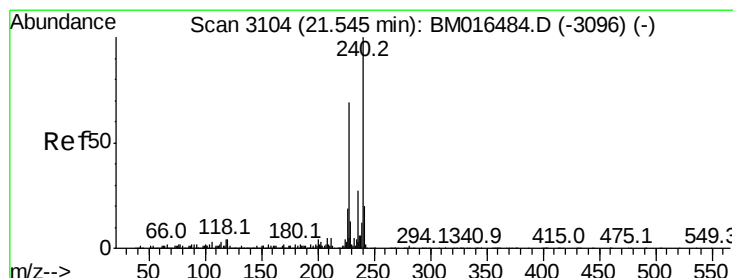
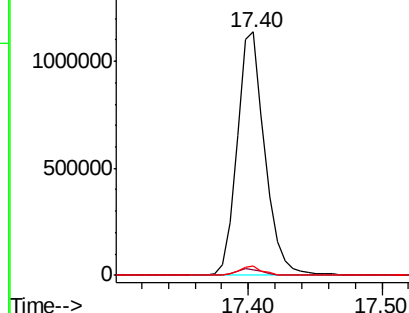
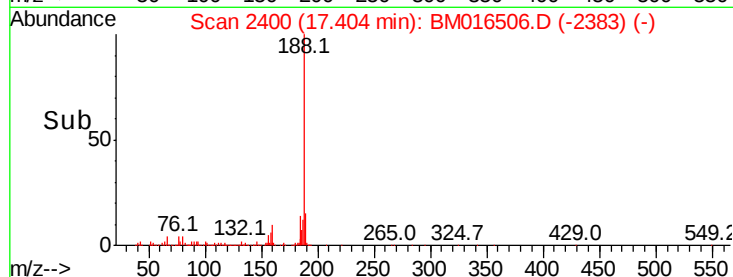
80 3.7 9.3 13.9#



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: 21.54 min Scan# 3104

Delta R.T. 0.00 min

Lab File: BM016506.D

Acq: 22 Aug 2018 04:43

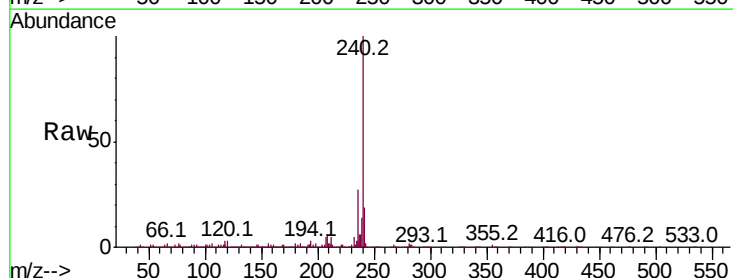
Tgt Ion:240 Resp: 2271394

Ion Ratio Lower Upper

240 100

120 2.7 8.2 12.2#

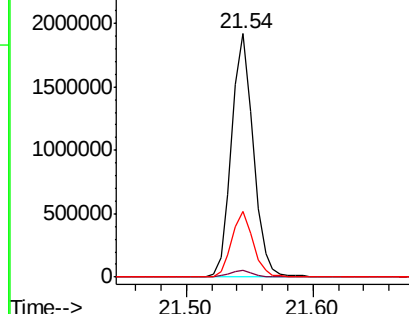
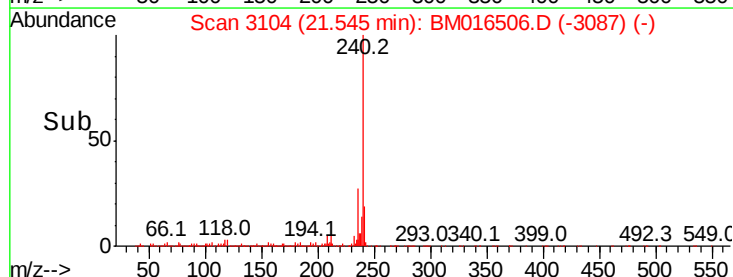
236 27.0 20.0 30.0

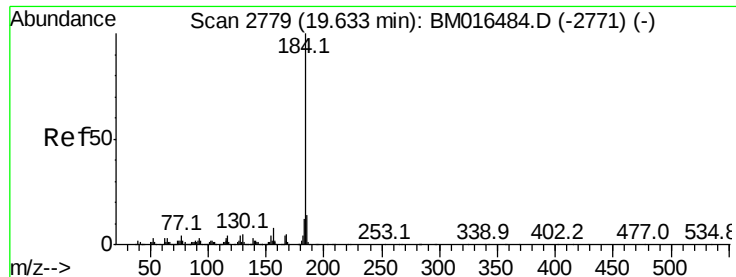


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.113 ng

RT: 19.64 min Scan# 2781

Delta R.T. 0.01 min

Lab File: BM016506.D

Acq: 22 Aug 2018 04:43

Instrument :

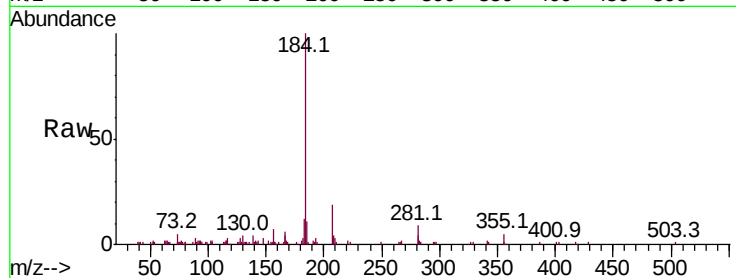
BNA_M

ClientSampleId :

PB112247TB

Tot Ion:184 Resp: 135991

Ion	Ratio	Lower	Upper
184	100		
185	11.2	11.3	16.9#
183	11.7	8.9	13.3

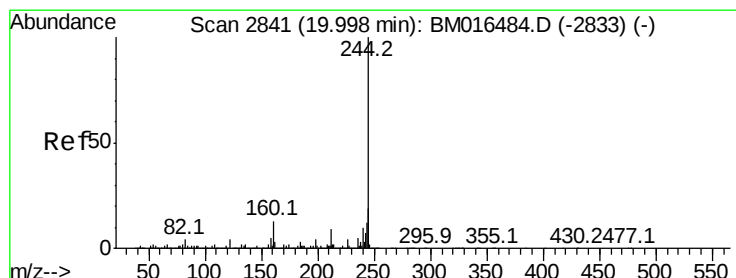
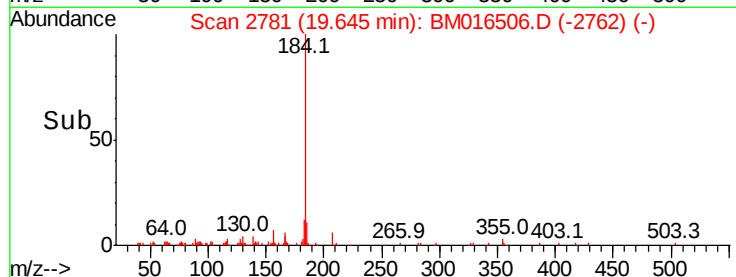
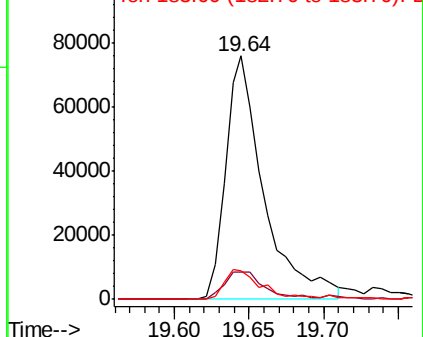


Abundance

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: Below ng

RT: 19.99 min Scan# 2839

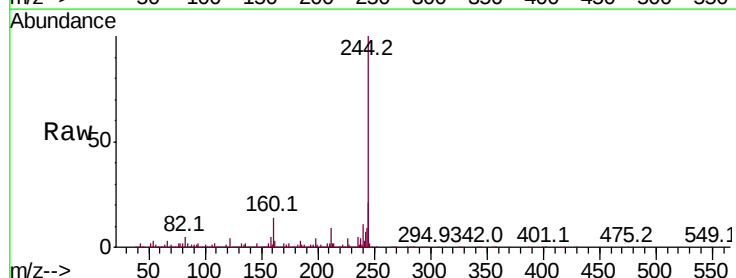
Delta R.T. -0.01 min

Lab File: BM016506.D

Acq: 22 Aug 2018 04:43

Tgt Ion:244 Resp:13615548

Ion	Ratio	Lower	Upper
244	100		
212	9.5	4.9	7.3#
122	4.3	6.2	9.4#

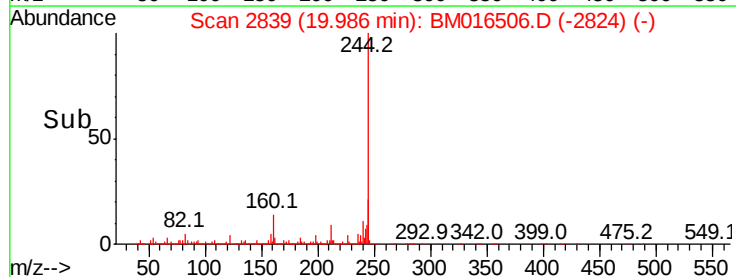
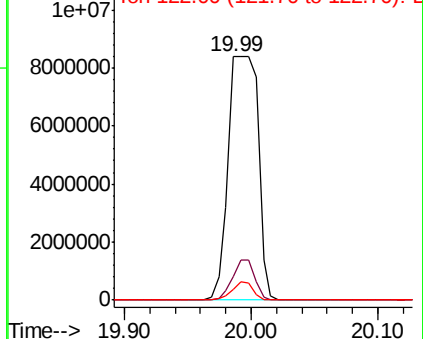


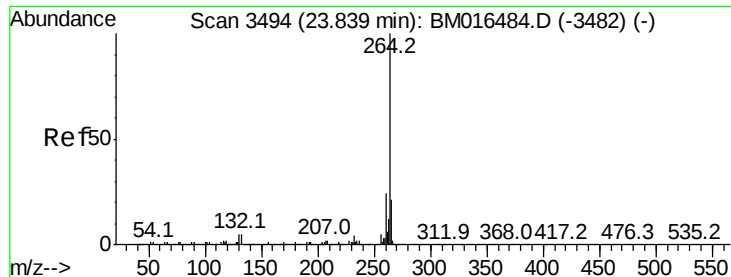
Abundance

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: 23.83 min Scan# 3493
Delta R.T. -0.01 min
Lab File: BM016506.D
Acq: 22 Aug 2018 04:43

Instrument :
BNA_M
ClientSampleId :
PB112247TB

Tot Ion:264 Resp: 2408057

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.8	17.3	25.9

