

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011119\
 Data File : BM018546.D
 Acq On : 11 Jan 2019 22:09
 Operator : JU/SJ
 Sample : K1123-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 11 23:43:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 10 05:57:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	299459	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	1291681	20.00	ng	0.00
39) Acenaphthene-d10	14.40	164	800332	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	1922387	20.00	ng	0.00
76) Chrysene-d12	21.34	240	2507731	20.00	ng	0.00
87) Perylene-d12	23.63	264	3045151	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1045280	64.45	ng	0.00
7) Phenol-d6	6.93	99	878594	42.65	ng	0.00
23) Nitrobenzene-d5	8.92	82	1811055	81.28	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	1495716	146.78	ng	0.00
45) 2-Fluorobiphenyl	13.02	172	4965499	80.96	ng	0.00
79) Terphenyl-d14	19.79	244	8929311	75.06	ng	0.00

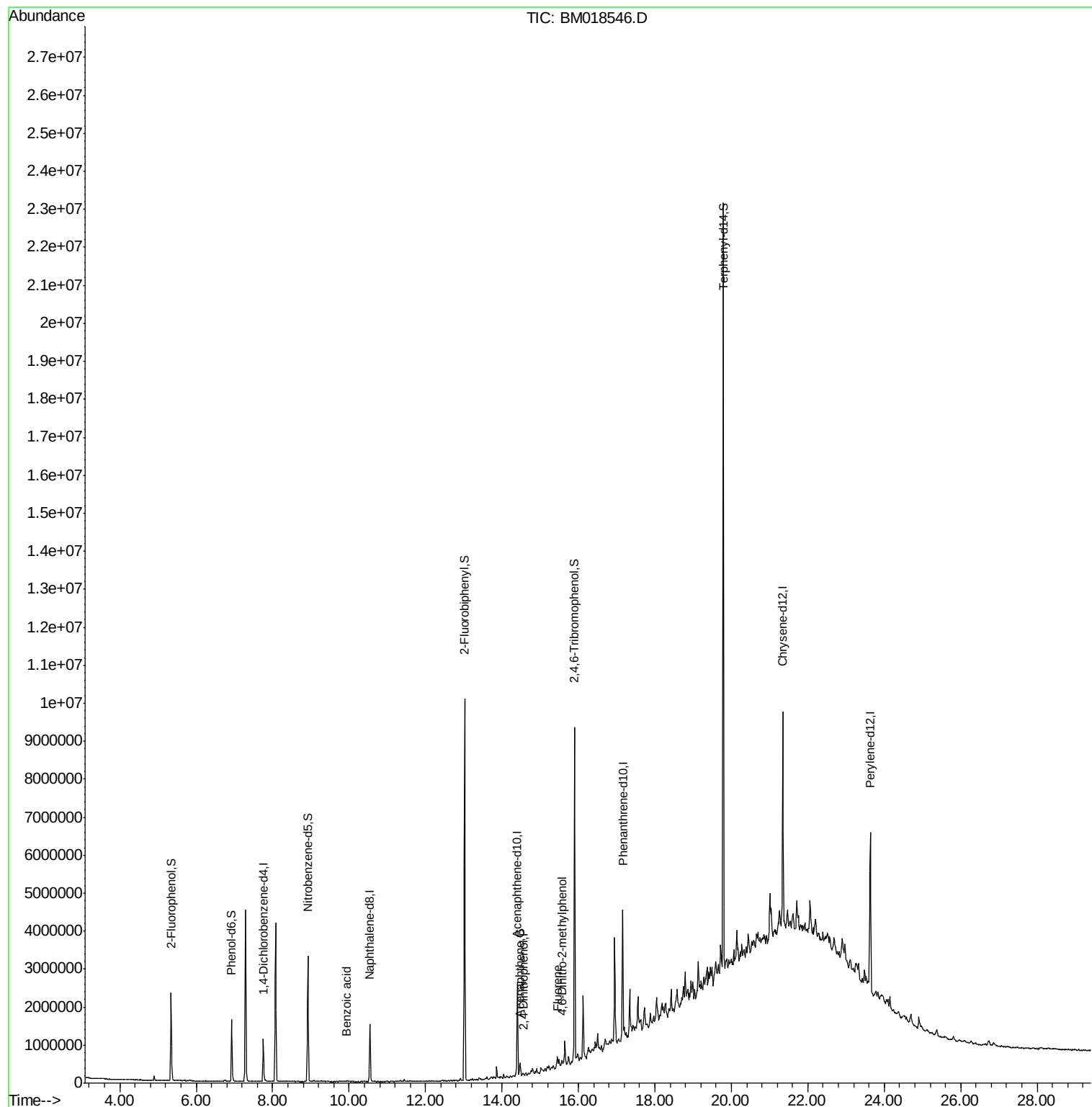
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.93	122	114	6.511	ng	# 15
52) Acenaphthene	14.47	154	110552	2.288	ng	97
54) 2,4-Dinitrophenol	14.56	184	121	7.216	ng	# 1
58) Fluorene	15.46	166	126055	2.120	ng	# 94
65) 4,6-Dinitro-2-methylphenol	15.58	198	3243	5.628	ng	# 1

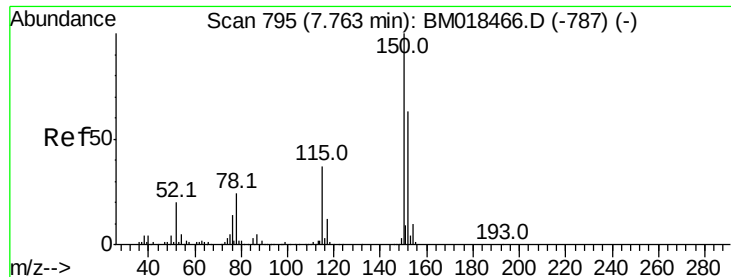
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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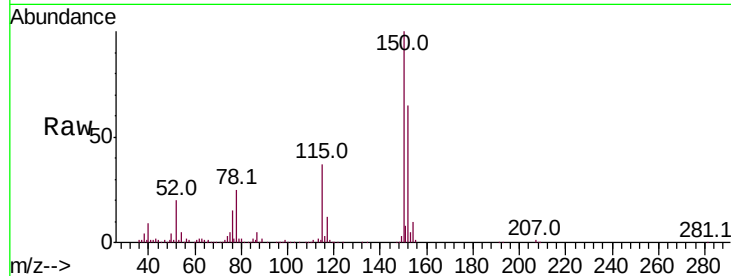


#1

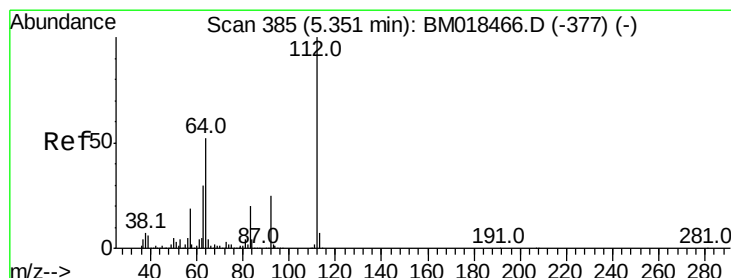
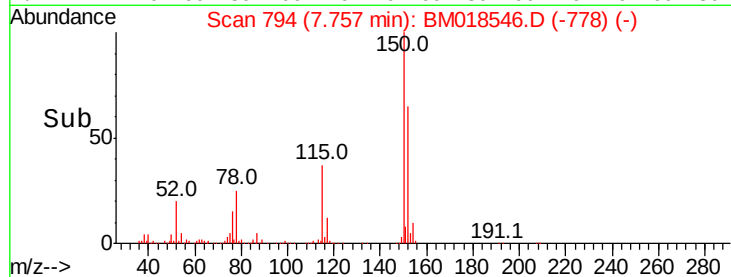
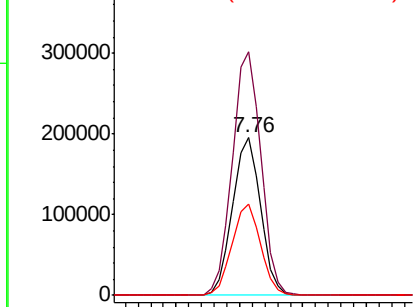
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM018546.D
Acq: 11 Jan 2019 22:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.9	190.3
115	57.6	45.5	68.3



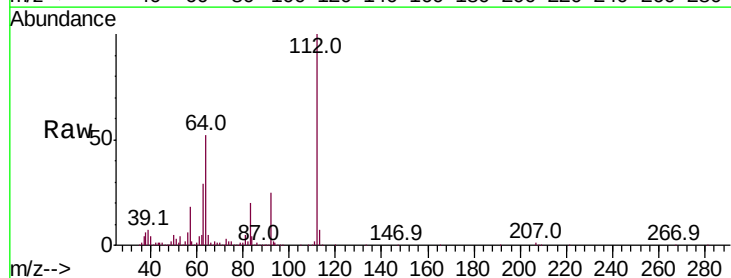
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



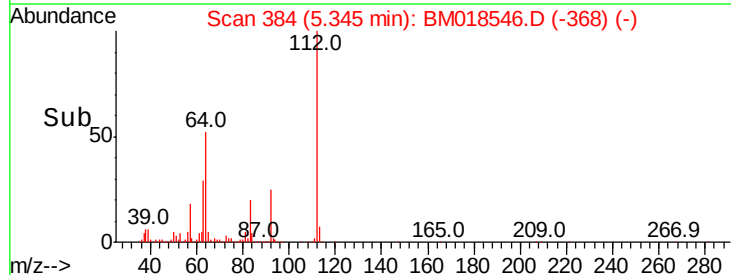
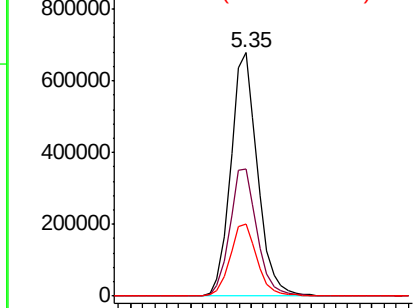
#5

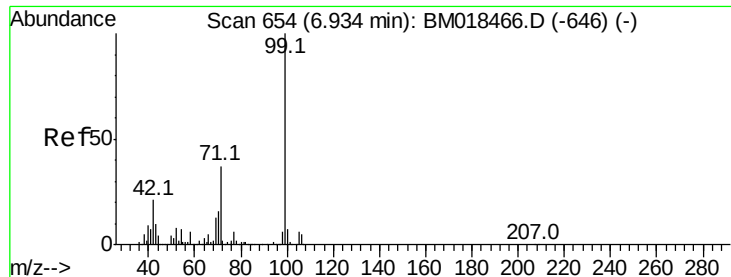
2-Fluorophenol
Concen: 64.453 ng
RT: 5.35 min Scan# 384
Delta R.T. -0.01 min
Lab File: BM018546.D
Acq: 11 Jan 2019 22:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	46.5	69.7
63	29.5	25.2	37.8



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: 42.653 ng

RT: 6.93 min Scan# 653

Delta R.T. -0.01 min

Lab File: BM018546.D

Acq: 11 Jan 2019 22:09

Instrument :

BNA_M

ClientSampleId :

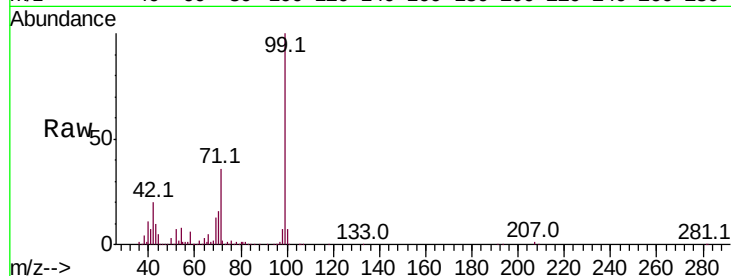
Tot Ion: 99 Resp: 878594

Ion Ratio Lower Upper

99 100

42 19.7 17.3 25.9

71 36.4 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)

6.93

600000

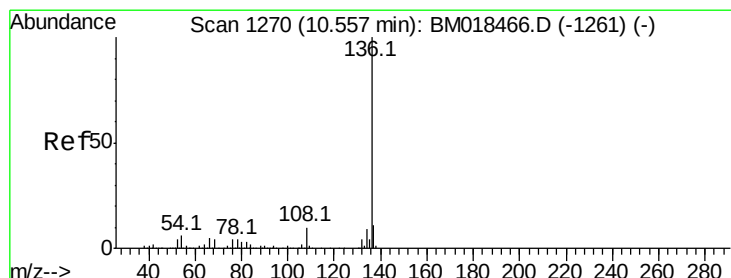
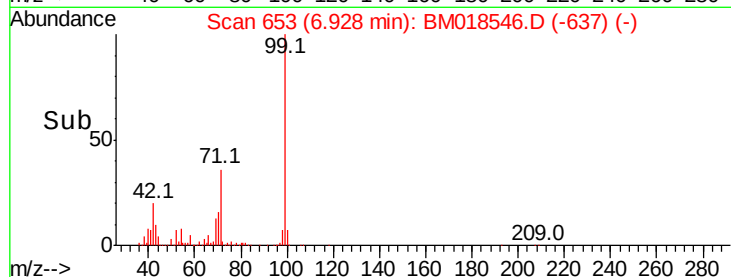
400000

200000

0

6.85 6.90 6.95 7.00

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BM018546.D

Acq: 11 Jan 2019 22:09

Tgt Ion: 136 Resp: 1291681

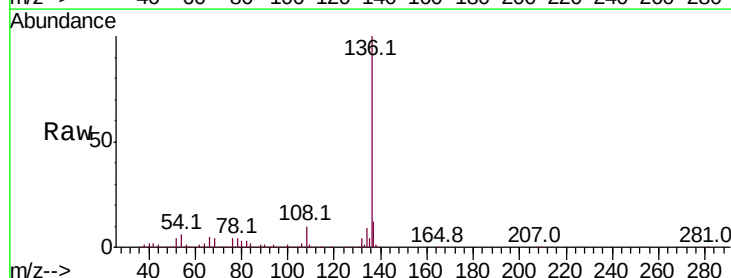
Ion Ratio Lower Upper

136 100

137 11.7 8.5 12.7

54 6.3 6.0 9.0

68 4.3 4.5 6.7#



Abundance Ion 136.00 (135.70 to 136.70): BM018466.D (-1261) (-)

Ion 137.00 (136.70 to 137.70): BM018466.D (-1261) (-)

Ion 54.00 (53.70 to 54.70): BM018466.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM018466.D (-1261) (-)

10.55

1200000

1000000

800000

600000

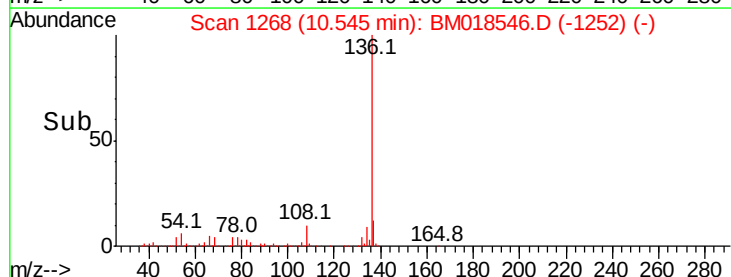
400000

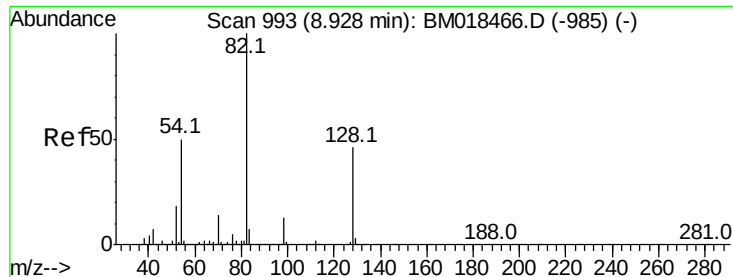
200000

0

10.50 10.60

Time-->





#23

Nitrobenzene-d5

Concen: 81.281 ng

RT: 8.92 min Scan# 992

Delta R.T. -0.00 min

Lab File: BM018546.D

Acq: 11 Jan 2019 22:09

Instrument :

BNA_M

ClientSampled :

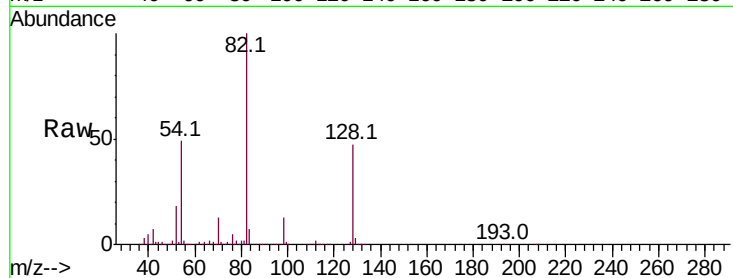
Tot Ion: 82 Resp: 1811055

Ion Ratio Lower Upper

82 100

128 46.8 36.3 54.5

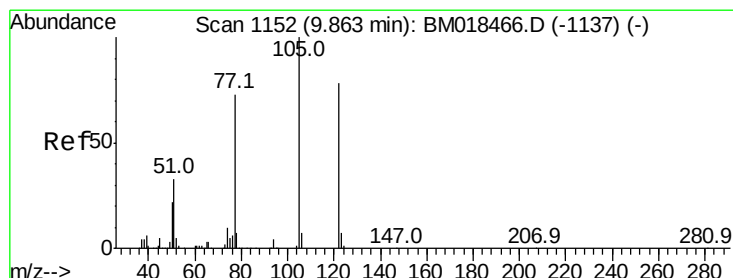
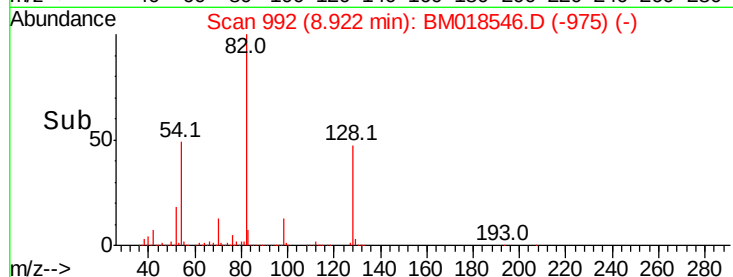
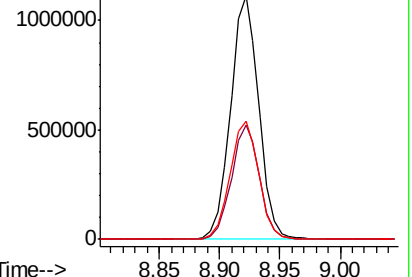
54 48.6 41.7 62.5



Abundance Ion 82.00 (81.70 to 82.70): BM018466.D (-985) (-)

Ion 128.00 (127.70 to 128.70): BM018466.D (-985) (-)

Ion 54.00 (53.70 to 54.70): BM018466.D (-985) (-)



#32

Benzoic acid

Concen: 6.511 ng

RT: 9.93 min Scan# 1164

Delta R.T. 0.03 min

Lab File: BM018546.D

Acq: 11 Jan 2019 22:09

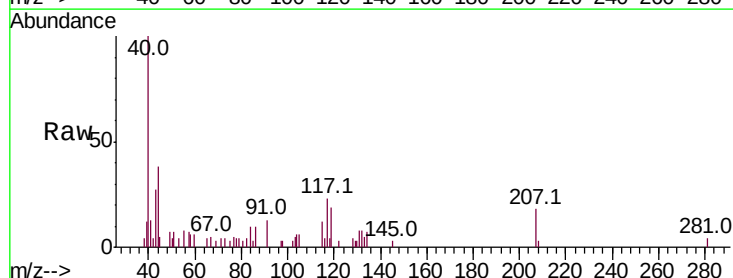
Tgt Ion:122 Resp: 114

Ion Ratio Lower Upper

122 100

105 199.1 100.4 140.4#

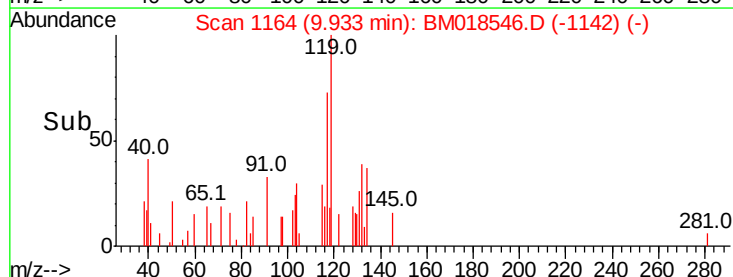
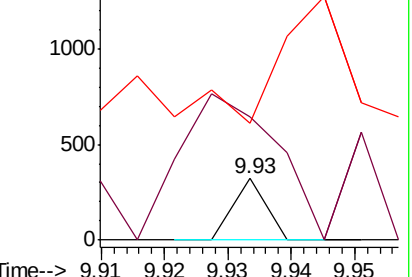
77 190.4 71.7 111.7#

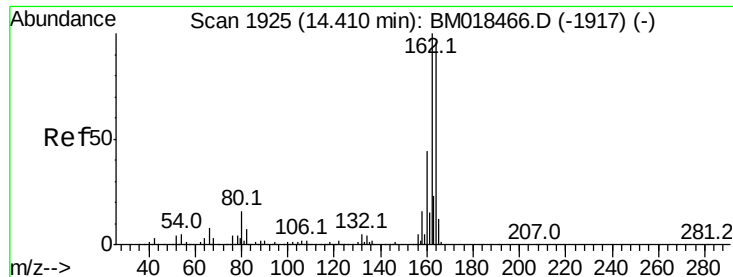


Abundance Ion 122.00 (121.70 to 122.70): BM018466.D (-1137) (-)

Ion 105.00 (104.70 to 105.70): BM018466.D (-1137) (-)

Ion 77.00 (76.70 to 77.70): BM018466.D (-1137) (-)

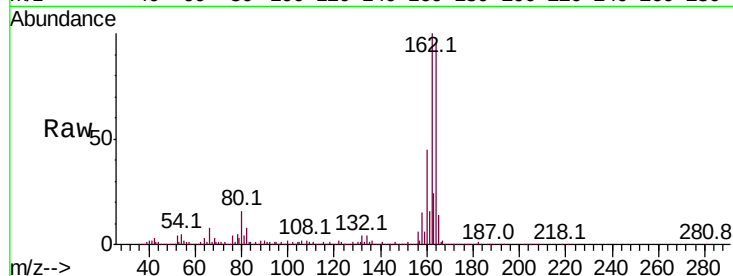




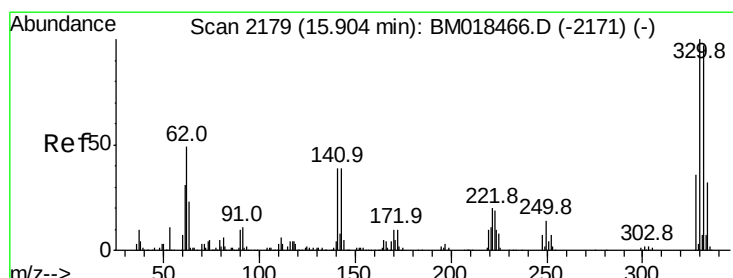
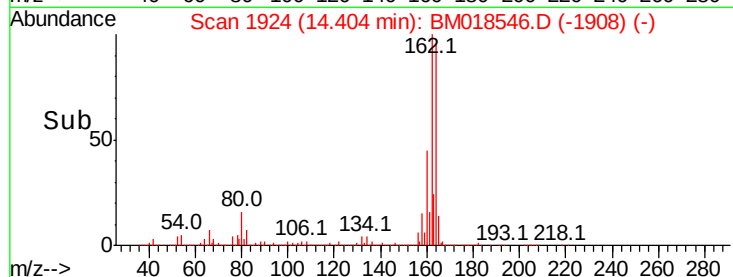
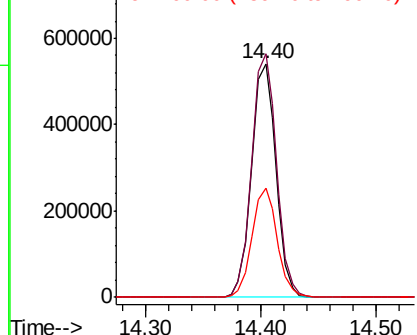
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.40 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BM018546.D
Acq: 11 Jan 2019 22:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.0	124.4
160	46.7	37.1	55.7

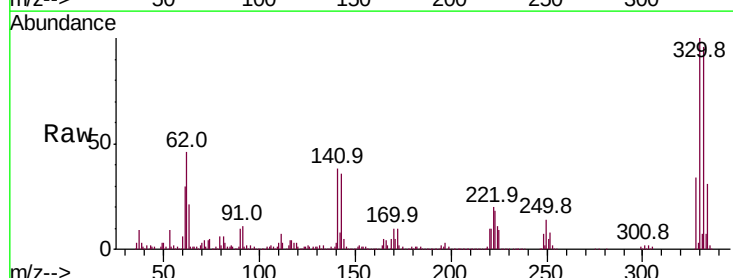


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

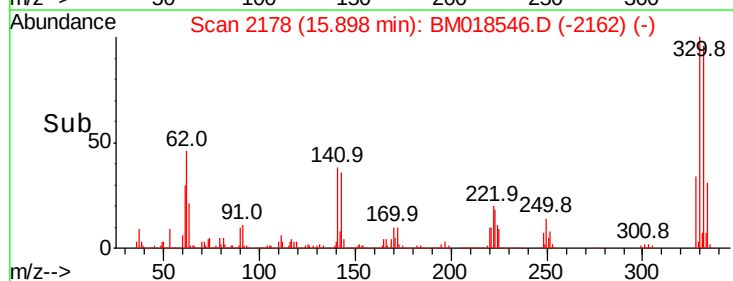
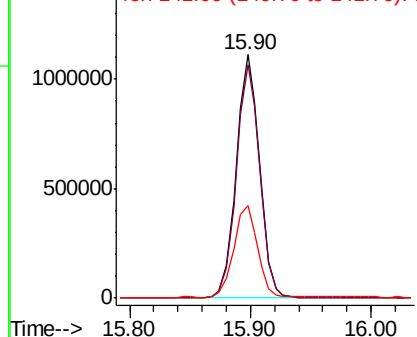


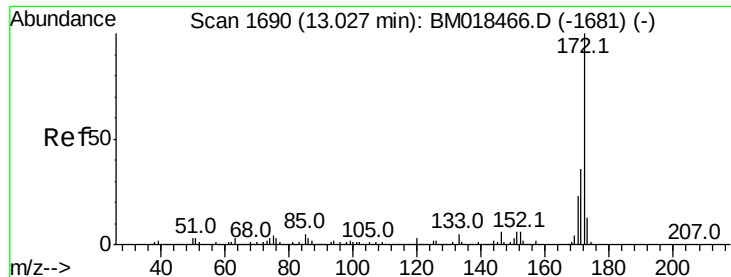
#42
2,4,6-Tribromophenol
Concen: 146.776 ng
RT: 15.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BM018546.D
Acq: 11 Jan 2019 22:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.6	116.4
141	38.1	31.7	47.5



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

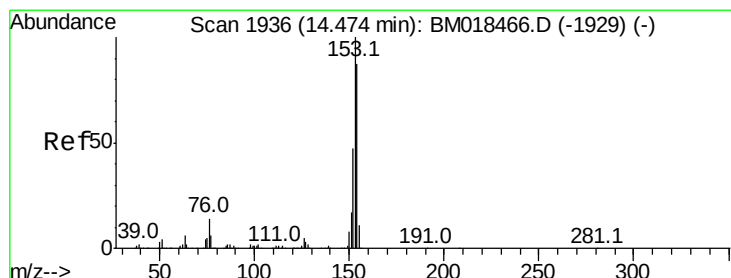
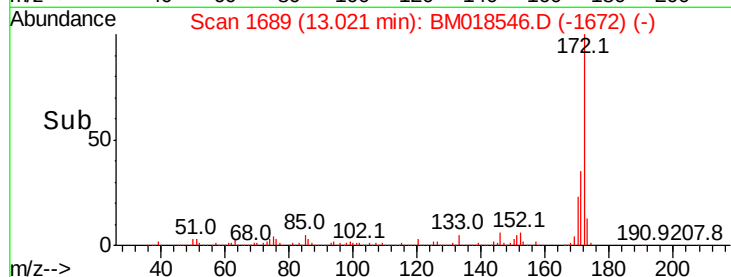
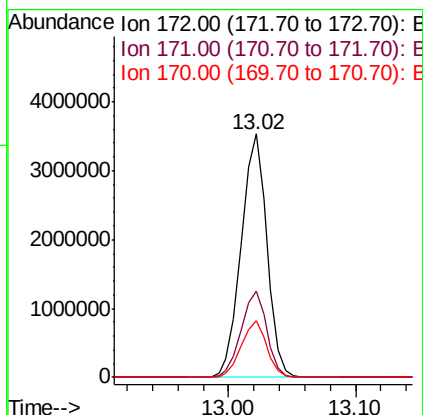
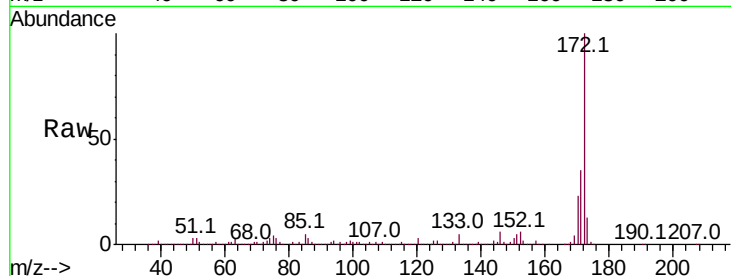




#45
2-Fluorobiphenyl
Concen: 80.958 ng
RT: 13.02 min Scan# 1689
Delta R.T. -0.00 min
Lab File: BM018546.D
Acq: 11 Jan 2019 22:09

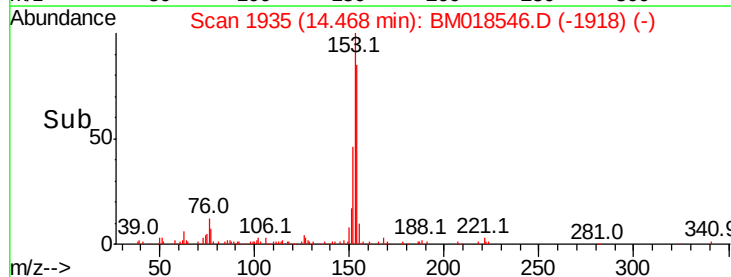
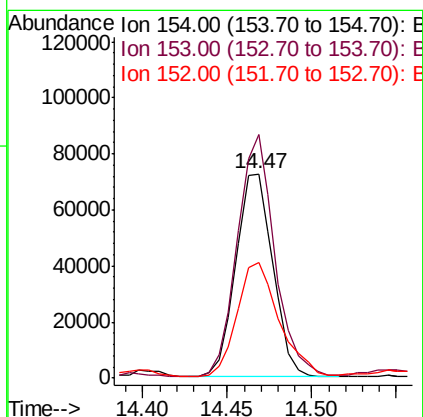
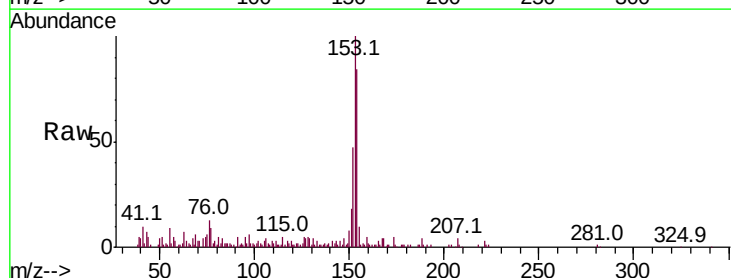
Instrument :
BNA_M
ClientSampleId :

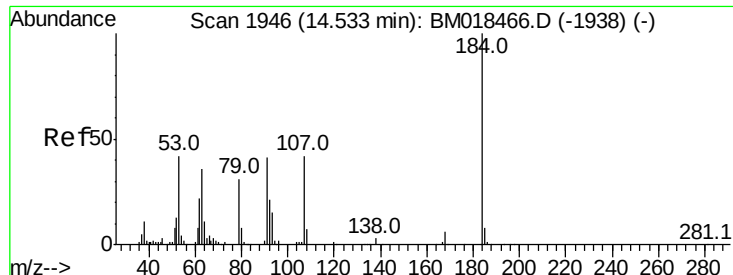
Tot Ion:172 Resp: 4965499
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.0 18.9 28.3



#52
Acenaphthene
Concen: 2.288 ng
RT: 14.47 min Scan# 1935
Delta R.T. -0.00 min
Lab File: BM018546.D
Acq: 11 Jan 2019 22:09

Tgt Ion:154 Resp: 110552
Ion Ratio Lower Upper
154 100
153 119.0 92.3 138.5
152 56.5 43.8 65.6

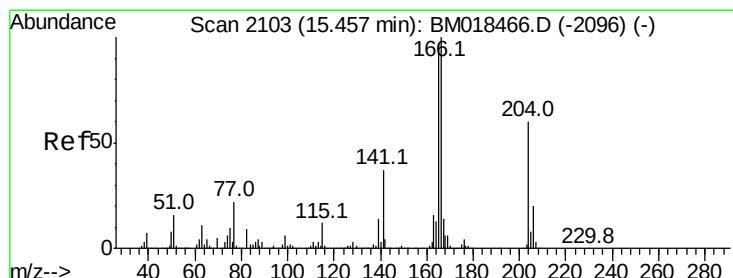
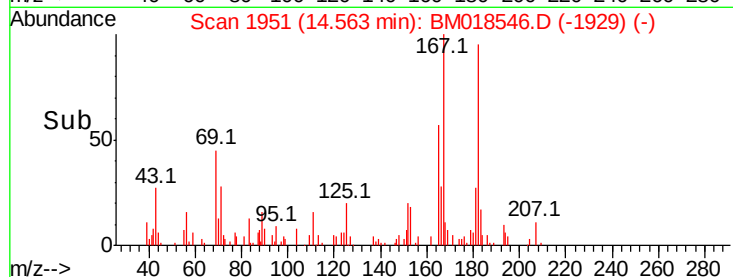
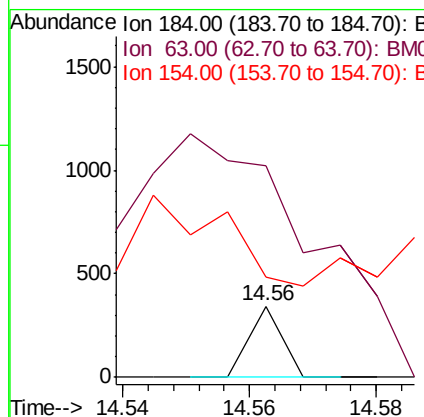
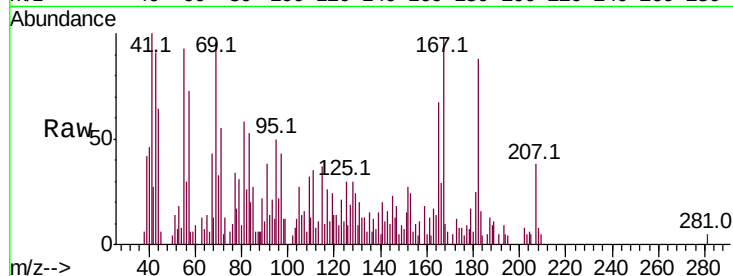




#54
2,4-Dinitrophenol
Concen: 7.216 ng
RT: 14.56 min Scan# 1951
Delta R.T. 0.03 min
Lab File: BM018546.D
Acq: 11 Jan 2019 22:09

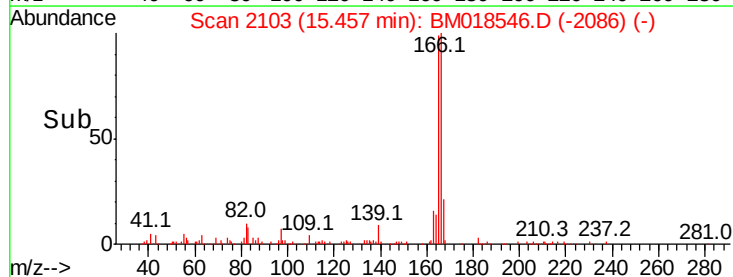
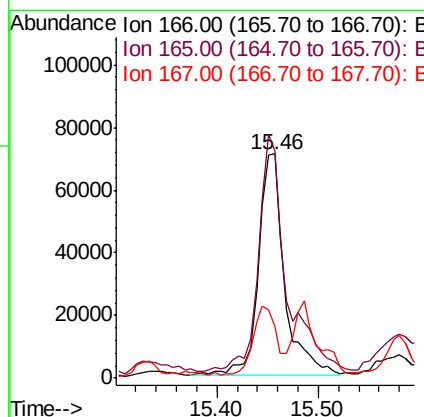
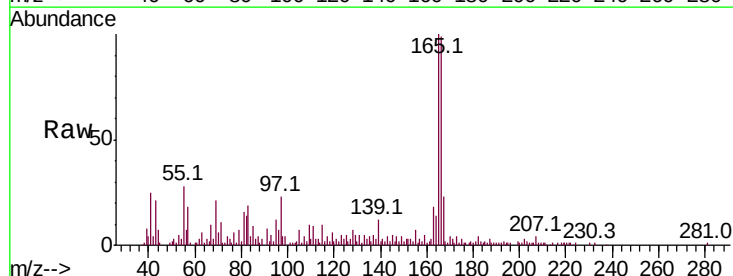
Instrument :
BNA_M
ClientSampled :

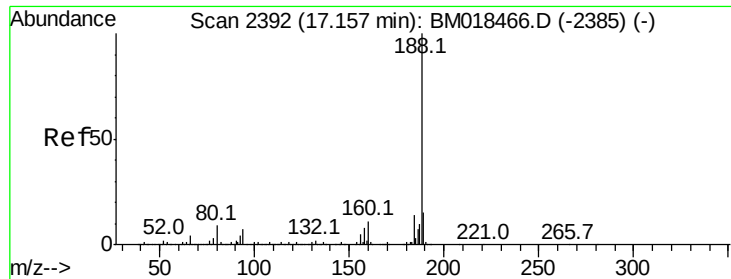
Tot Ion:184 Resp: 121
Ion Ratio Lower Upper
184 100
63 296.5 55.9 83.9#
154 140.4 54.2 81.4#



#58
Fluorene
Concen: 2.120 ng
RT: 15.46 min Scan# 2103
Delta R.T. -0.00 min
Lab File: BM018546.D
Acq: 11 Jan 2019 22:09

Tgt Ion:166 Resp: 126055
Ion Ratio Lower Upper
166 100
165 101.4 78.3 117.5
167 22.8 10.9 16.3#

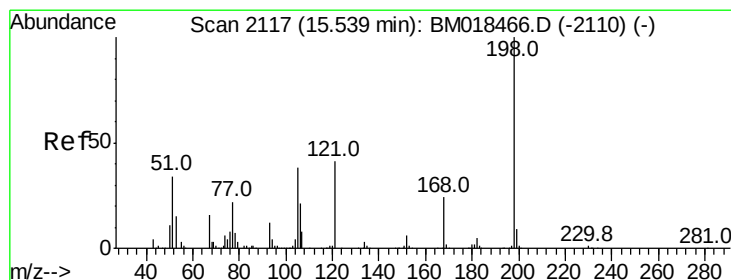
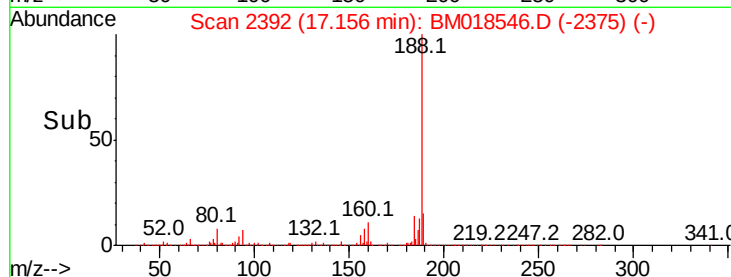
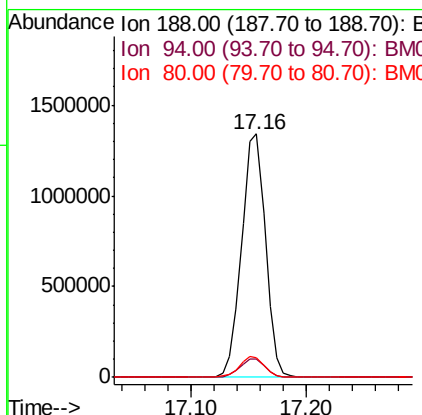
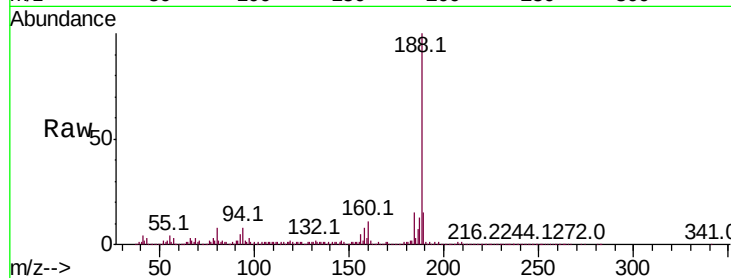




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2392
Delta R.T. -0.00 min
Lab File: BM018546.D
Acq: 11 Jan 2019 22:09

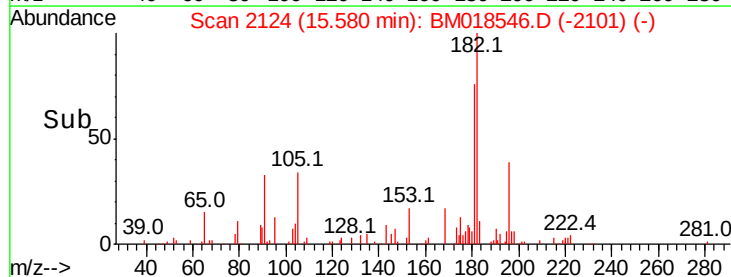
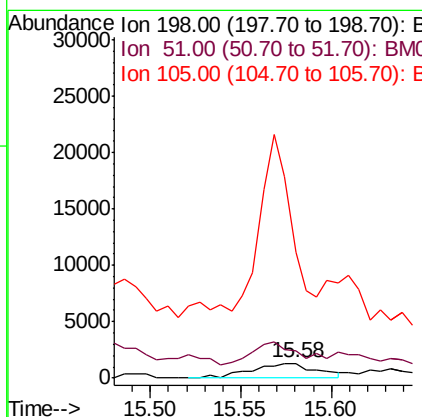
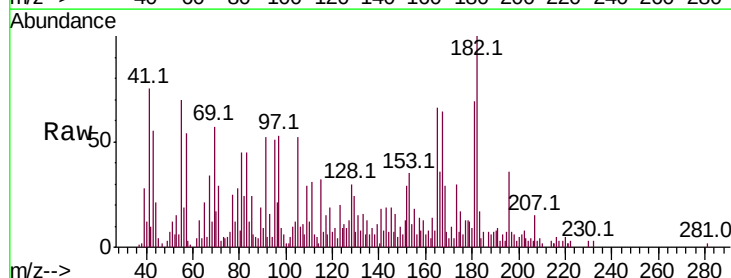
Instrument :
BNA_M
ClientSampleId :

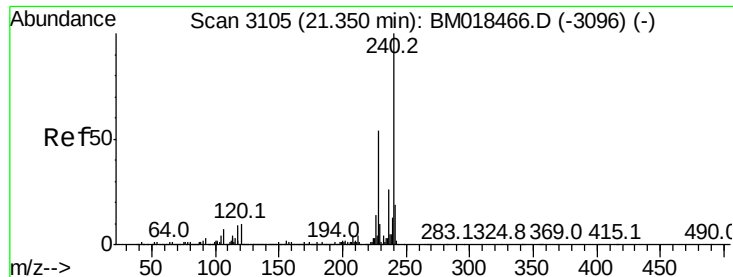
Tot Ion:188 Resp: 1922387
Ion Ratio Lower Upper
188 100
94 7.6 7.1 10.7
80 8.2 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.628 ng
RT: 15.58 min Scan# 2124
Delta R.T. 0.04 min
Lab File: BM018546.D
Acq: 11 Jan 2019 22:09

Tgt Ion:198 Resp: 3243
Ion Ratio Lower Upper
198 100
51 191.3 29.6 69.6#
105 863.3 25.5 65.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.34 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BM018546.D

Acq: 11 Jan 2019 22:09

Instrument :

BNA_M

ClientSampled :

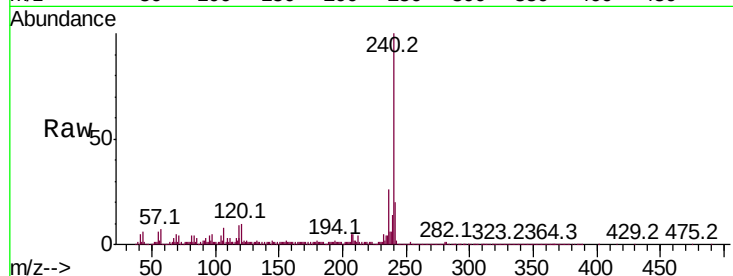
Tot Ion:240 Resp: 2507731

Ion Ratio Lower Upper

240 100

120 10.1 8.4 12.6

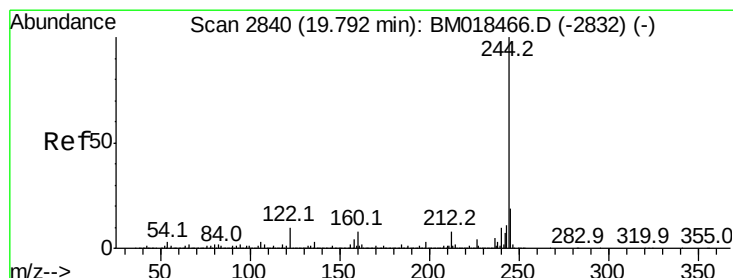
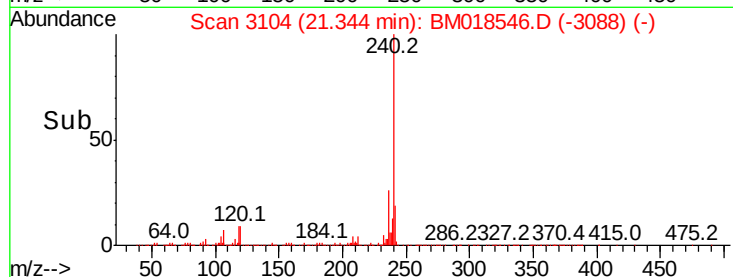
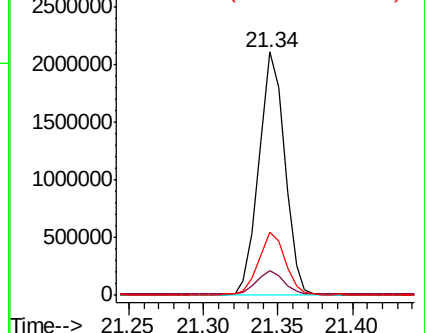
236 26.0 20.7 31.1



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



#79

Terphenyl-d14

Concen: 75.061 ng

RT: 19.79 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BM018546.D

Acq: 11 Jan 2019 22:09

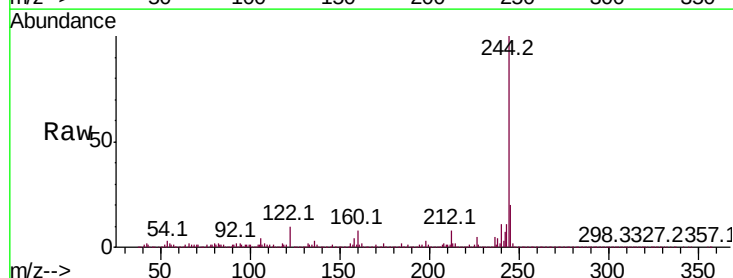
Tgt Ion:244 Resp: 8929311

Ion Ratio Lower Upper

244 100

212 8.0 5.9 8.9

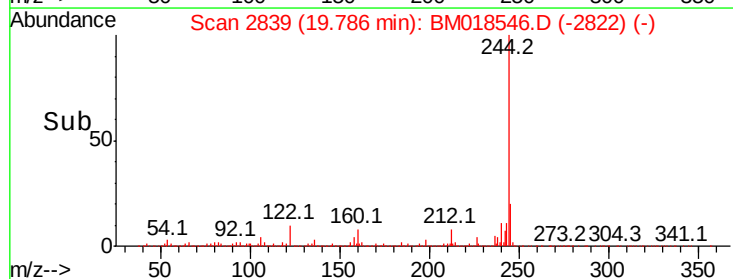
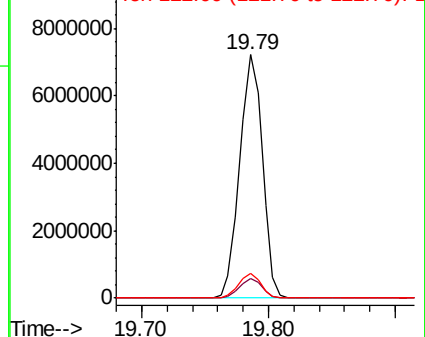
122 10.0 9.0 13.4

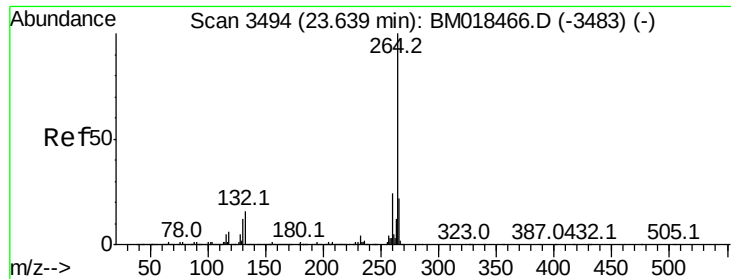


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.63 min Scan# 3493
 Delta R.T. -0.00 min
 Lab File: BM018546.D
 Acq: 11 Jan 2019 22:09

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:264 Resp: 3045151

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.4	16.8	25.2

