

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
 Data File : BM018352.D
 Acq On : 21 Dec 2018 10:02
 Operator : JU/SJ
 Sample : J6347-05DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SD002-0612-01DL

Quant Time: Dec 21 12:53:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

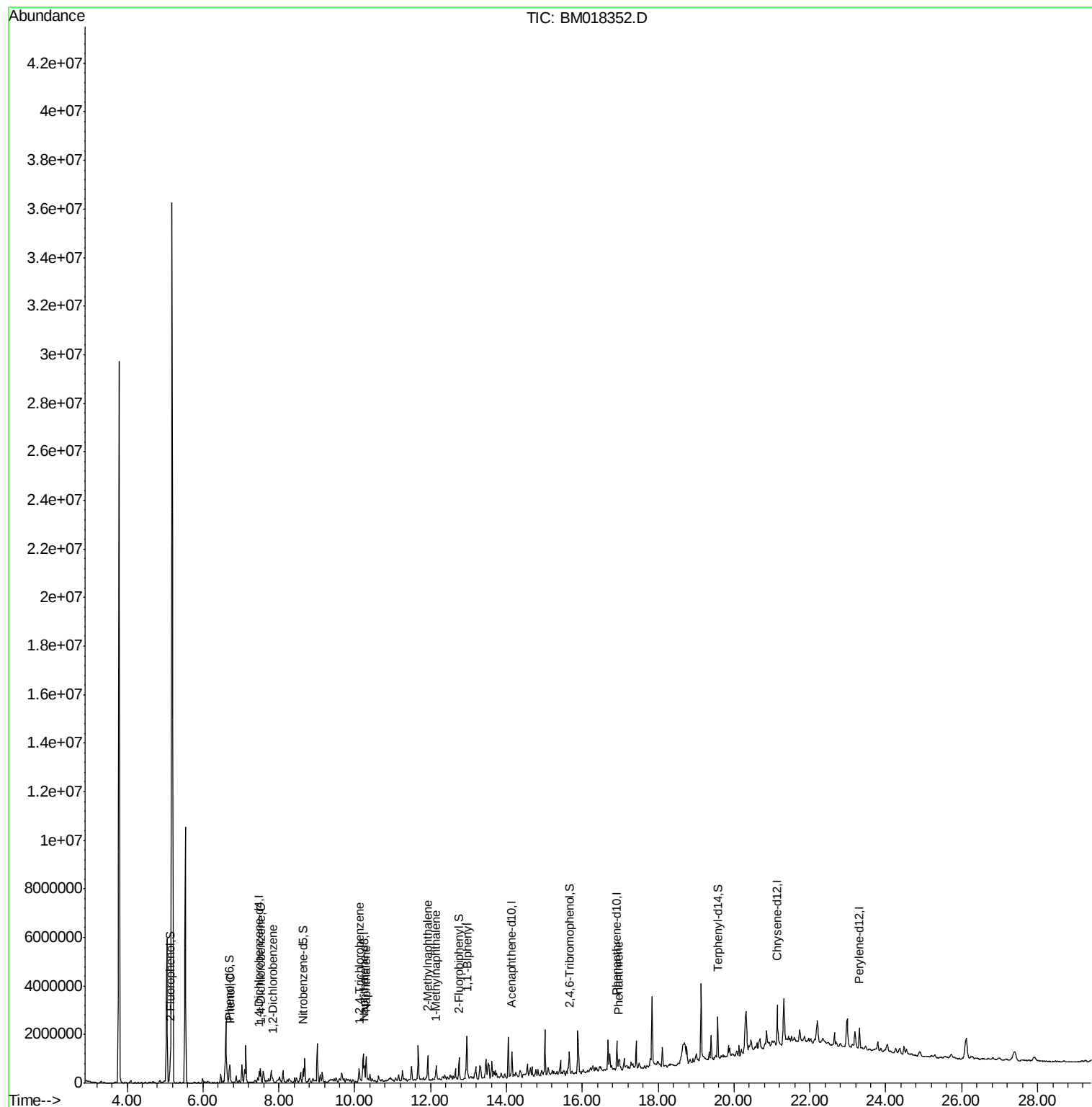
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	112853	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	466723	20.00	ng	-0.02
39) Acenaphthene-d10	14.15	164	283387	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	656551	20.00	ng	-0.01
76) Chrysene-d12	21.14	240	663522	20.00	ng	0.00
87) Perylene-d12	23.30	264	553931	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	249484	36.93	ng	0.00
7) Phenol-d6	6.69	99	330230	35.17	ng	-0.01
23) Nitrobenzene-d5	8.65	82	239242	26.29	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	138408	33.28	ng	0.00
45) 2-Fluorobiphenyl	12.75	172	433628	19.82	ng	-0.02
79) Terphenyl-d14	19.57	244	689258	23.49	ng	0.00
Target Compounds						
10) Phenol	6.72	94	37249	3.746	ng	Qvalue # 68
13) 1,4-Dichlorobenzene	7.52	146	156157	17.253	ng	98
14) 1,2-Dichlorobenzene	7.83	146	51085	5.855	ng	98
30) 1,2,4-Trichlorobenzene	10.12	180	151880	18.739	ng	96
31) Naphthalene	10.30	128	670927	29.399	ng	99
37) 2-Methylnaphthalene	11.93	142	466703	28.998	ng	96
38) 1-Methylnaphthalene	12.15	142	250848	15.973	ng	# 99
46) 1,1'-Biphenyl	12.96	154	160249	6.286	ng	98
71) Phenanthrene	16.96	178	235119	6.593	ng	98

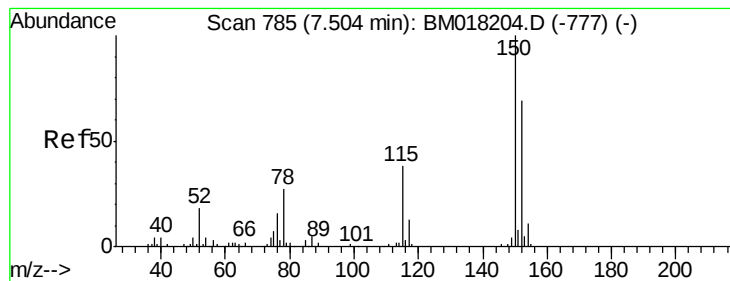
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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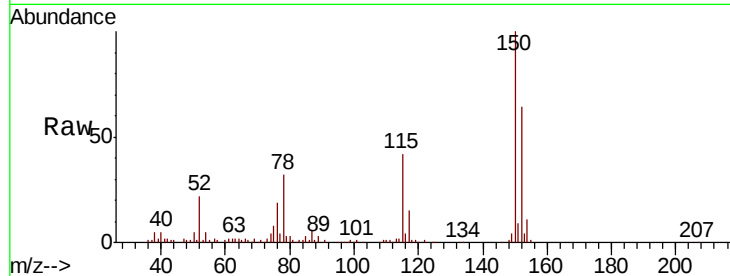


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018352.D
Acq: 21 Dec 2018 10:02

Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	116.1	174.1
115	65.5	44.6	67.0

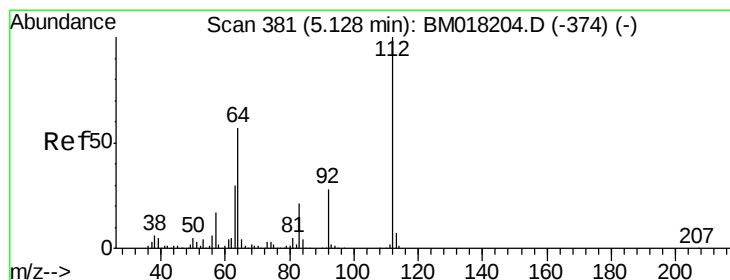
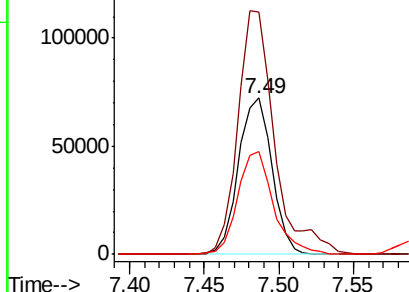
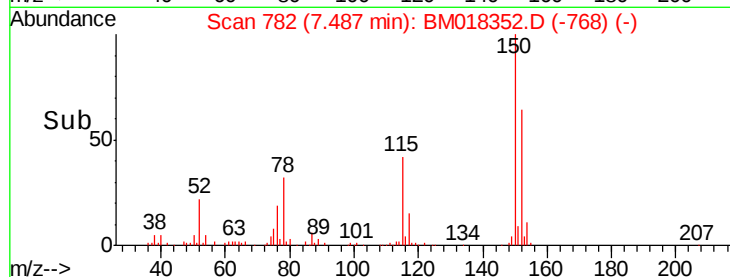


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

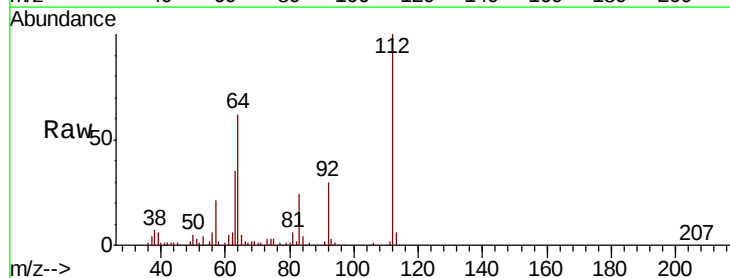
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 36.929 ng
RT: 5.13 min Scan# 382
Delta R.T. 0.01 min
Lab File: BM018352.D
Acq: 21 Dec 2018 10:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	45.4	68.2
63	34.7	24.0	36.0

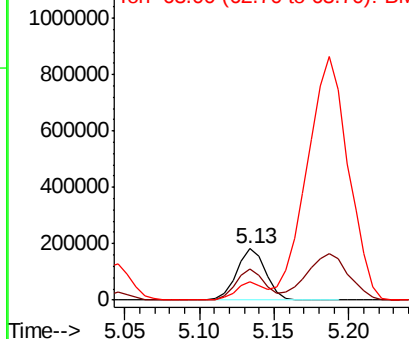
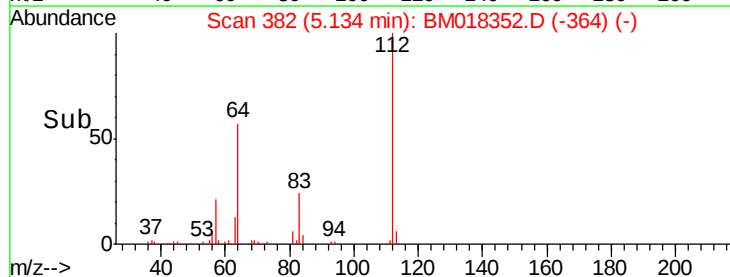


Abundance

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: 35.169 ng

RT: 6.69 min Scan# 647

Delta R.T. -0.01 min

Lab File: BM018352.D

Acq: 21 Dec 2018 10:02

Instrument :

BNA_M

ClientSampleId :

P001-SD002-0612-01DL

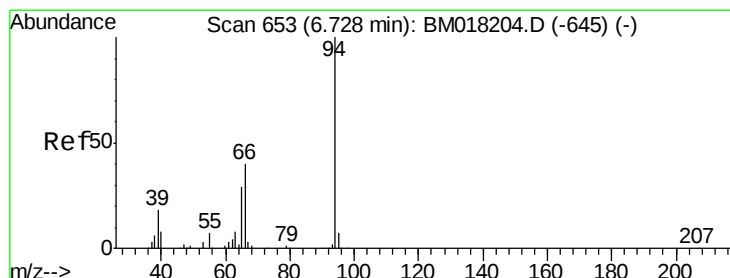
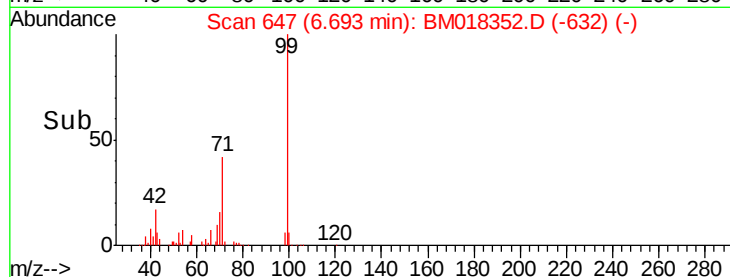
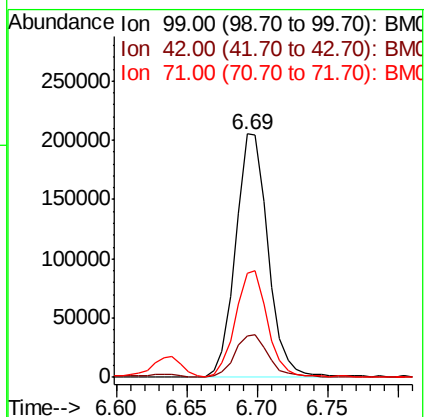
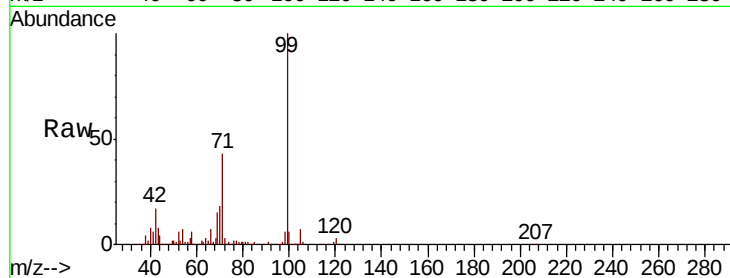
Tot Ion: 99 Resp: 330230

Ion Ratio Lower Upper

99 100

42 17.2 12.3 18.5

71 42.6 30.2 45.2



#10

Phenol

Concen: 3.746 ng

RT: 6.72 min Scan# 652

Delta R.T. -0.01 min

Lab File: BM018352.D

Acq: 21 Dec 2018 10:02

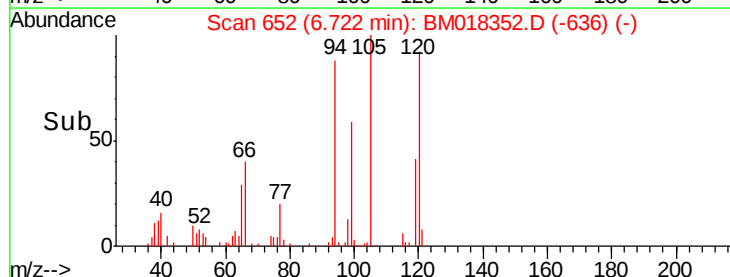
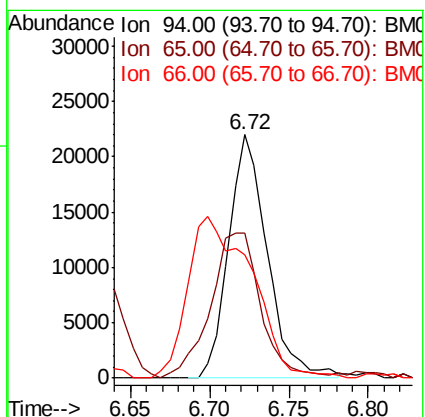
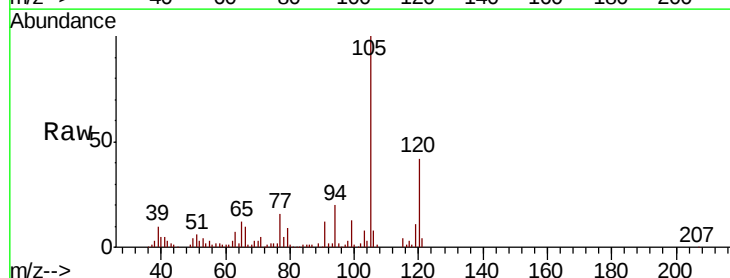
Tgt Ion: 94 Resp: 37249

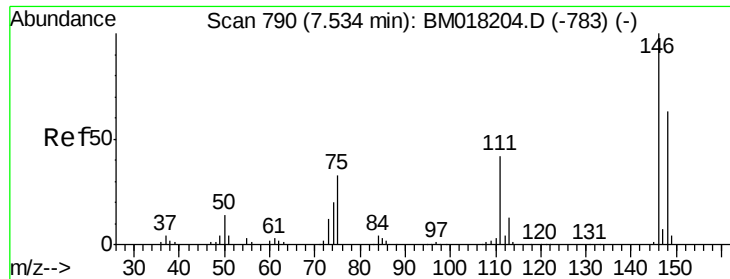
Ion Ratio Lower Upper

94 100

65 59.5 9.5 49.5#

66 50.6 21.3 61.3

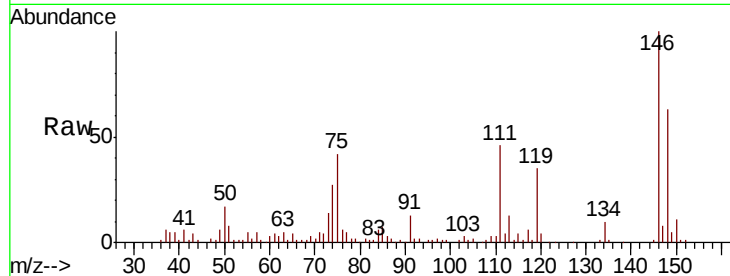




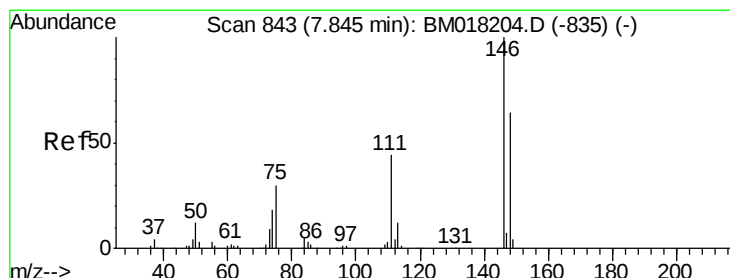
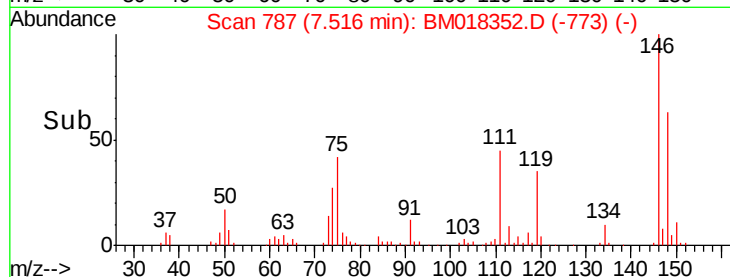
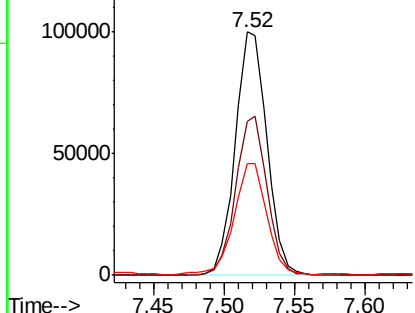
#13
1,4-Dichlorobenzene
Concen: 17.253 ng
RT: 7.52 min Scan# 787
Delta R.T. -0.02 min
Lab File: BM018352.D
Acq: 21 Dec 2018 10:02

Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01DL

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.7	76.1
111	45.9	34.2	51.2

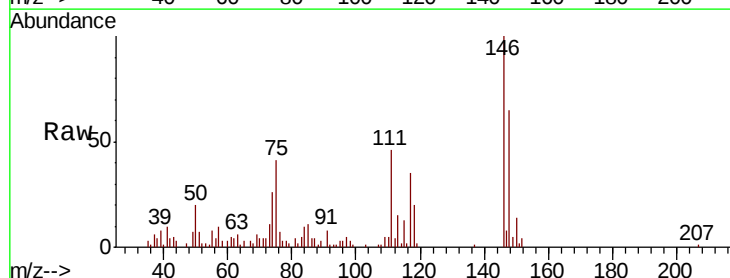


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

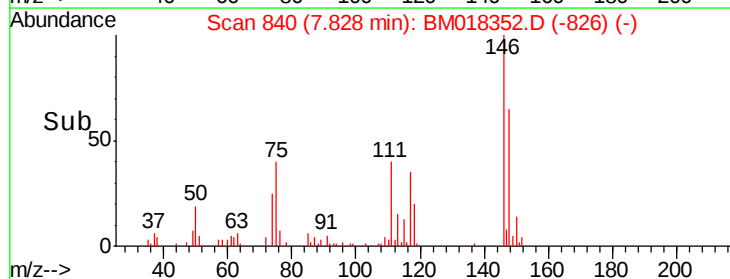
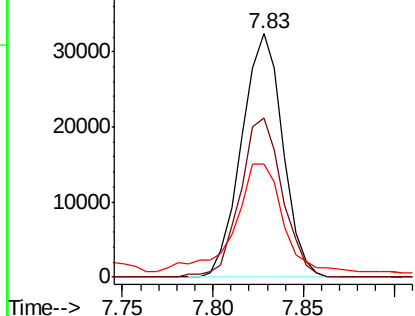


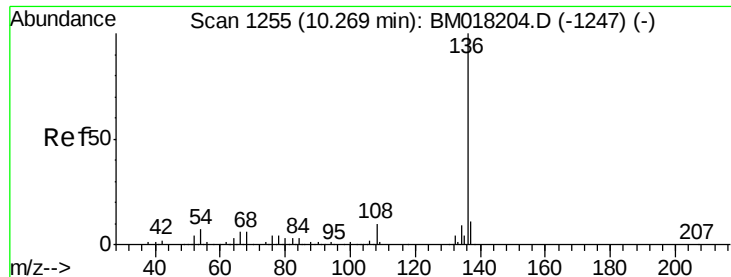
#14
1,2-Dichlorobenzene
Concen: 5.855 ng
RT: 7.83 min Scan# 840
Delta R.T. -0.02 min
Lab File: BM018352.D
Acq: 21 Dec 2018 10:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.3	76.9
111	46.3	35.8	53.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

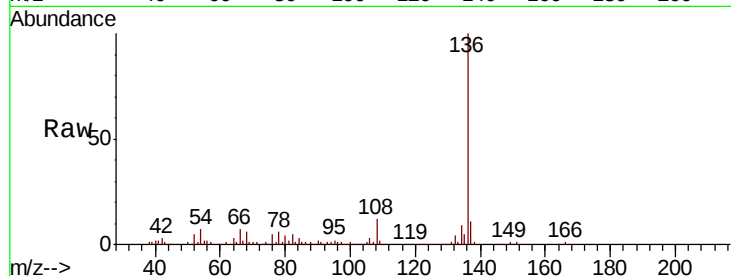




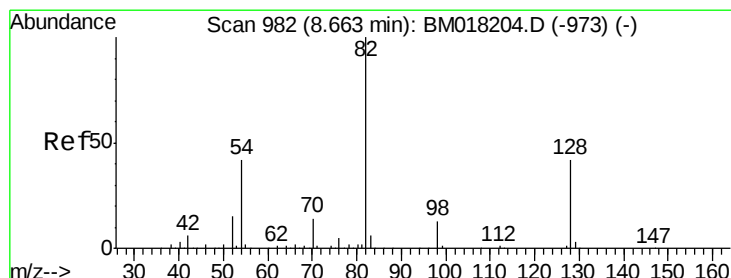
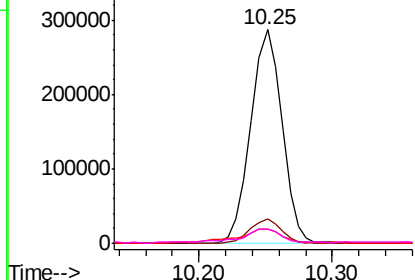
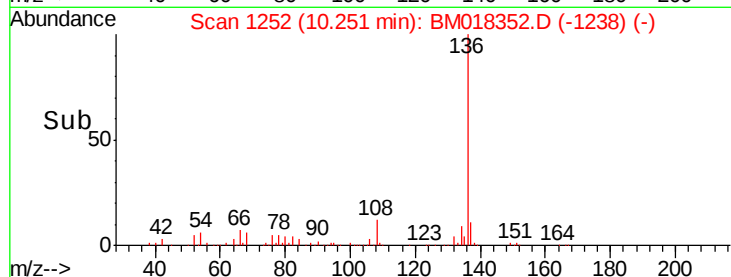
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018352.D
Acq: 21 Dec 2018 10:02

Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01DL

Tot Ion:136	Resp:	466723
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.2 13.8
54	6.8	5.2 7.8
68	6.5	5.0 7.6

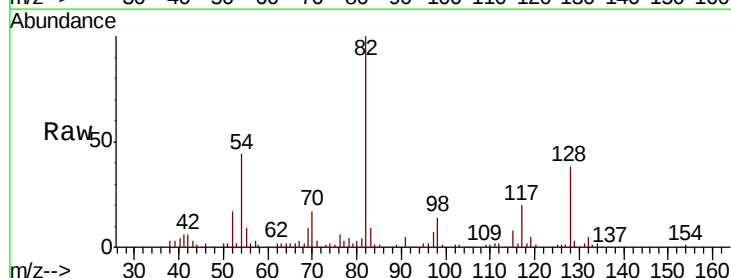


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

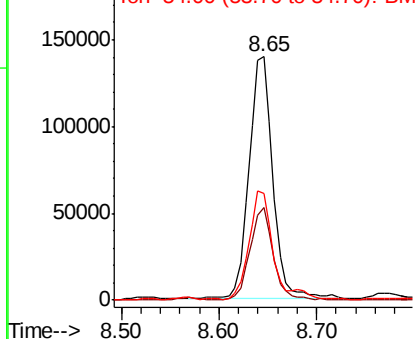
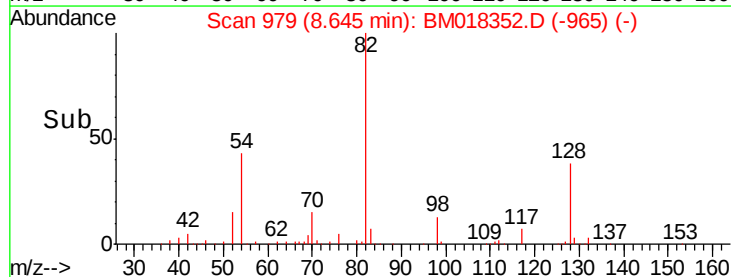


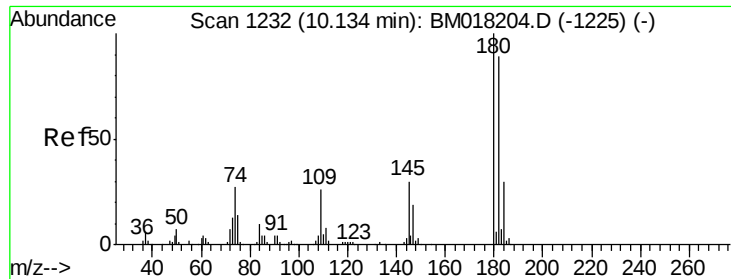
#23
Nitrobenzene-d5
Concen: 26.293 ng
RT: 8.65 min Scan# 979
Delta R.T. -0.02 min
Lab File: BM018352.D
Acq: 21 Dec 2018 10:02

Tgt Ion: 82	Resp:	239242
Ion	Ratio	Lower Upper
82	100	
128	38.3	33.4 50.2
54	43.8	33.4 50.2



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM

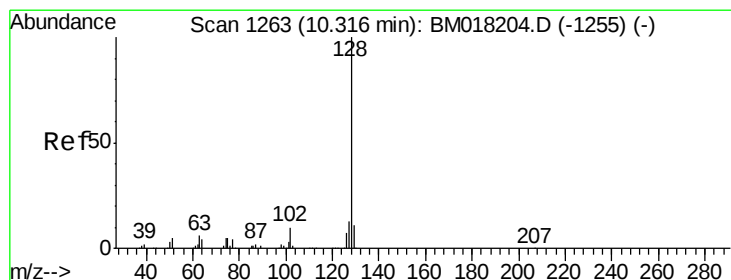
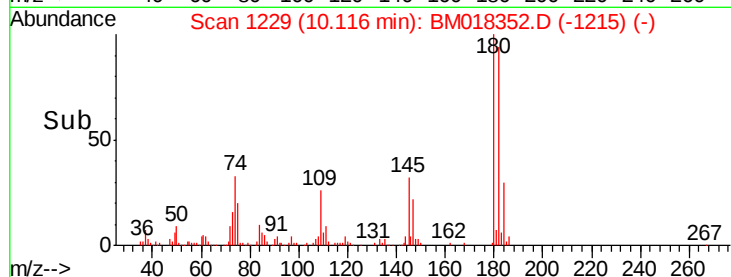
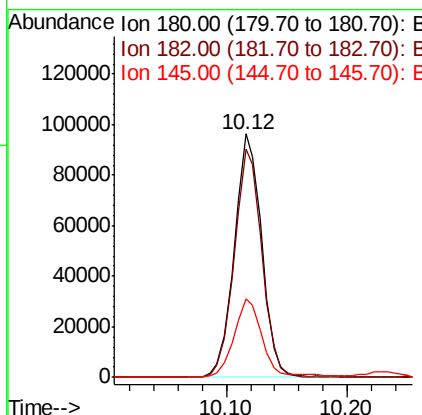
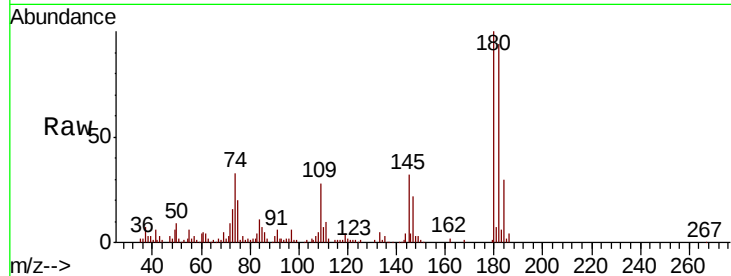




#30
 1,2,4-Trichlorobenzene
 Concen: 18.739 ng
 RT: 10.12 min Scan# 1229
 Delta R.T. -0.02 min
 Lab File: BM018352.D
 Acq: 21 Dec 2018 10:02

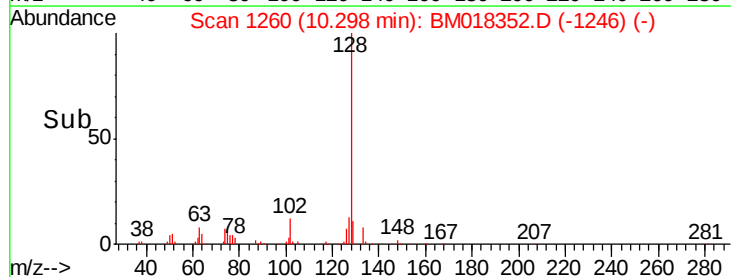
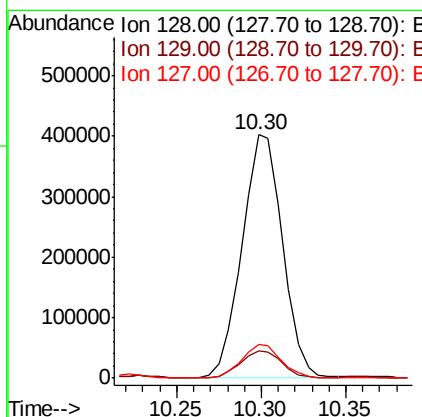
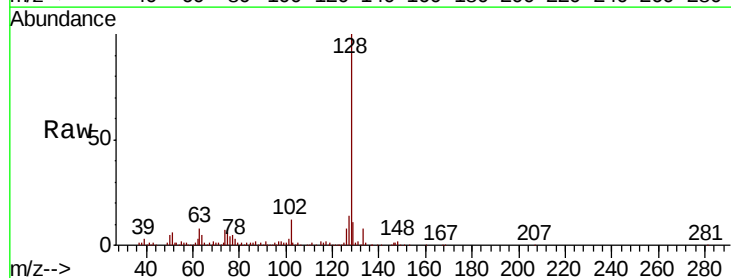
Instrument :
 BNA_M
 ClientSampleId :
 P001-SD002-0612-01DL

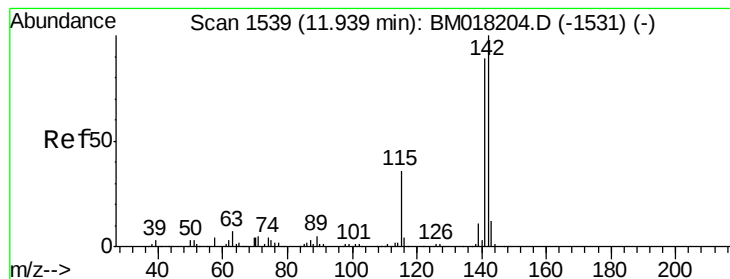
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	71.4	107.2
145	32.1	24.4	36.6



#31
 Naphthalene
 Concen: 29.399 ng
 RT: 10.30 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BM018352.D
 Acq: 21 Dec 2018 10:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.9	10.4	15.6





#37

2-Methylnaphthalene

Concen: 28.998 ng

RT: 11.93 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BM018352.D

Acq: 21 Dec 2018 10:02

Instrument :

BNA_M

ClientSampleId :

P001-SD002-0612-01DL

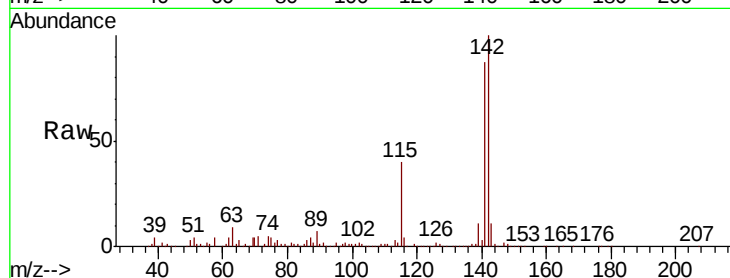
Tot Ion:142 Resp: 466703

Ion Ratio Lower Upper

142 100

141 86.7 71.4 107.2

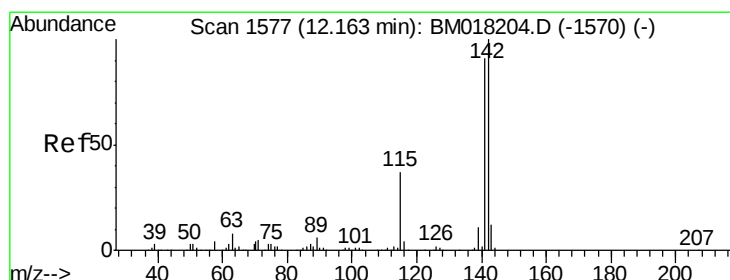
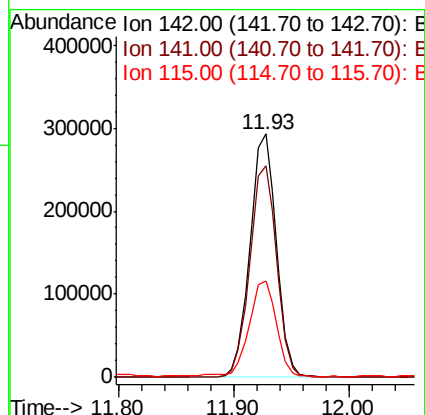
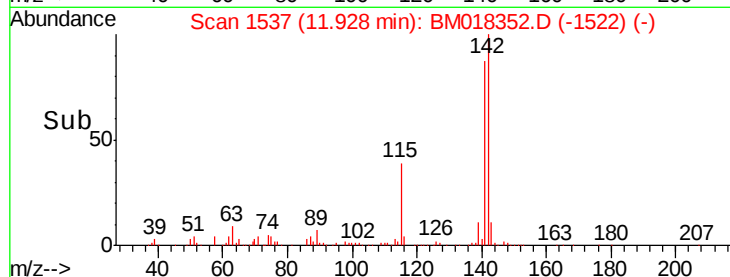
115 39.8 29.0 43.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 15.973 ng

RT: 12.15 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BM018352.D

Acq: 21 Dec 2018 10:02

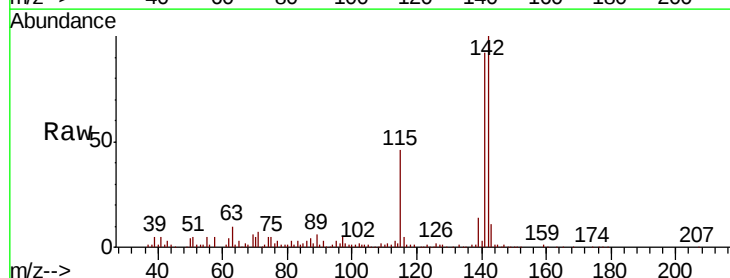
Tgt Ion:142 Resp: 250848

Ion Ratio Lower Upper

142 100

141 91.6 73.0 109.4

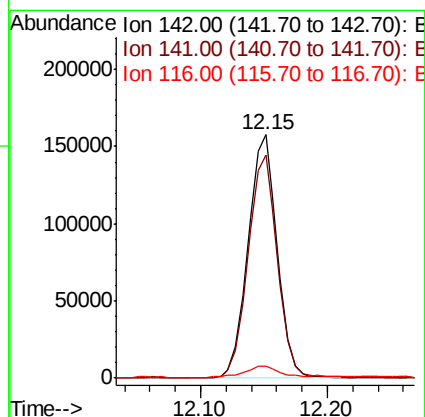
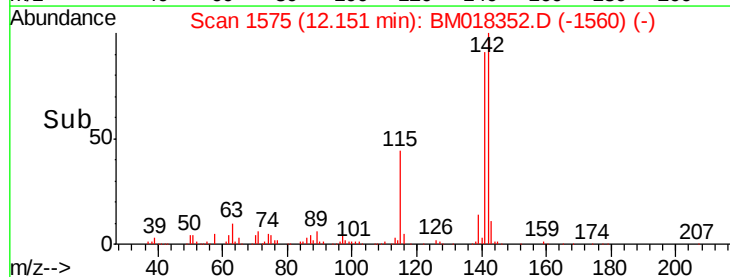
116 5.0 3.0 4.6#

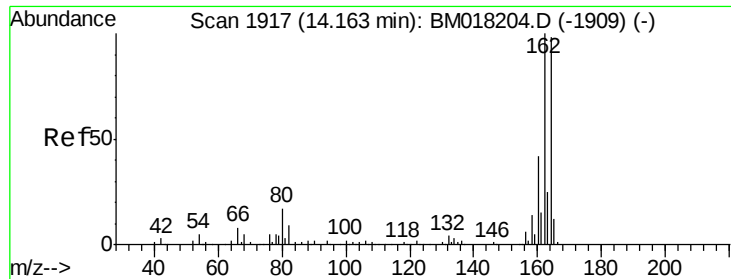


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.15 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018352.D

Acq: 21 Dec 2018 10:02

Instrument :

BNA_M

ClientSampleId :

P001-SD002-0612-01DL

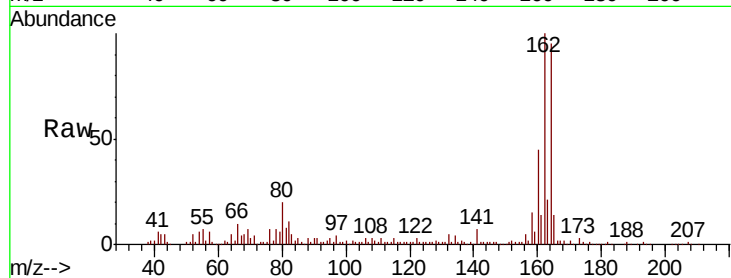
Tot Ion:164 Resp: 283387

Ion Ratio Lower Upper

164 100

162 105.5 81.8 122.6

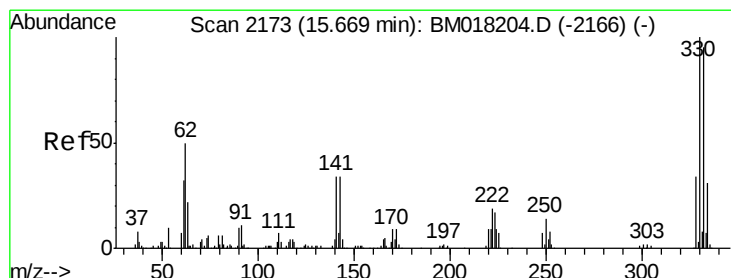
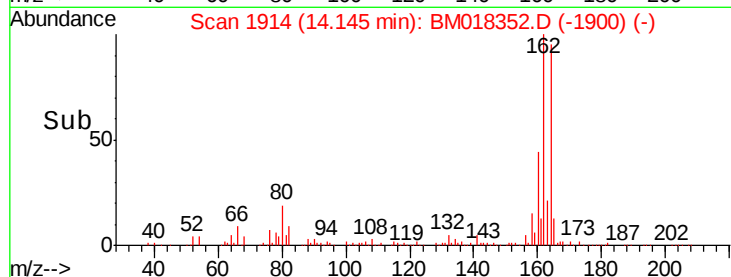
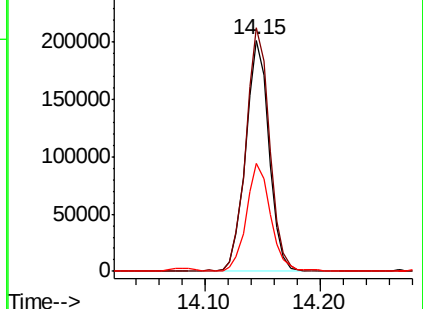
160 47.0 34.6 51.8



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: 33.276 ng

RT: 15.66 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BM018352.D

Acq: 21 Dec 2018 10:02

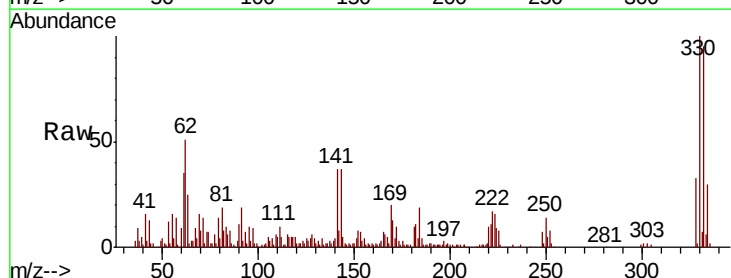
Tgt Ion:330 Resp: 138408

Ion Ratio Lower Upper

330 100

332 96.1 78.6 118.0

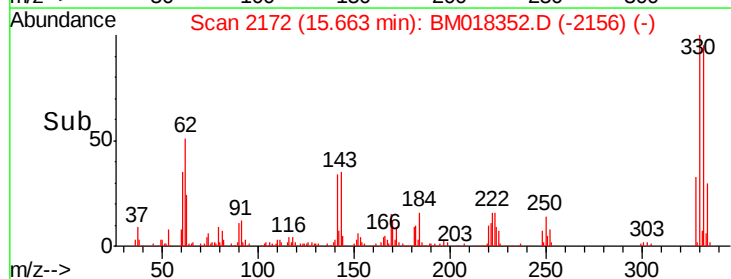
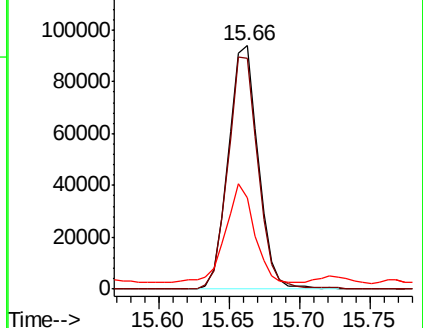
141 38.6 27.1 40.7

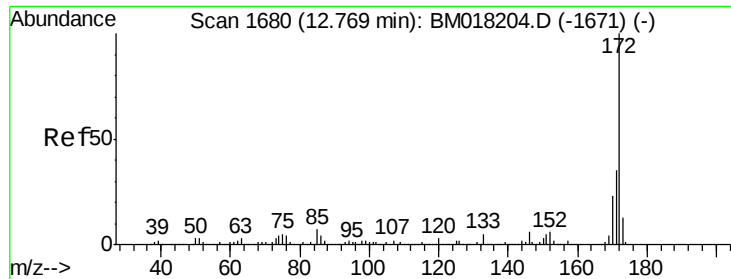


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

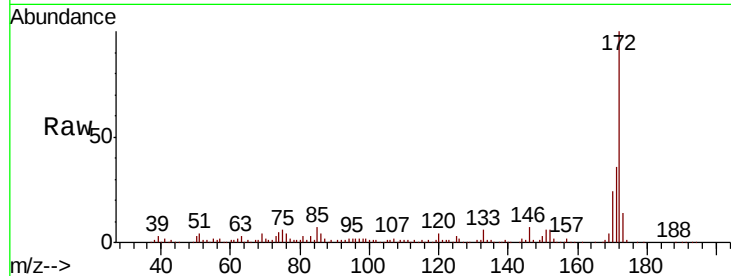




#45
2-Fluorobiphenyl
Concen: 19.819 ng
RT: 12.75 min Scan# 1677
Delta R.T. -0.02 min
Lab File: BM018352.D
Acq: 21 Dec 2018 10:02

Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.3	42.5
170	23.7	18.1	27.1

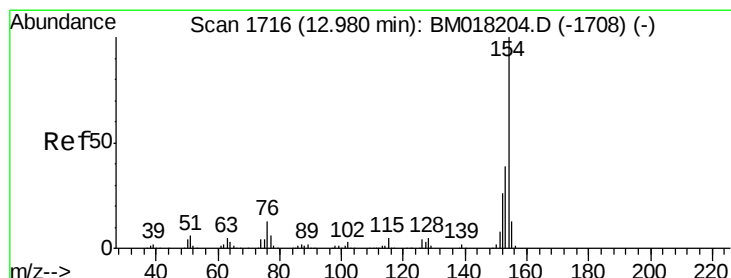
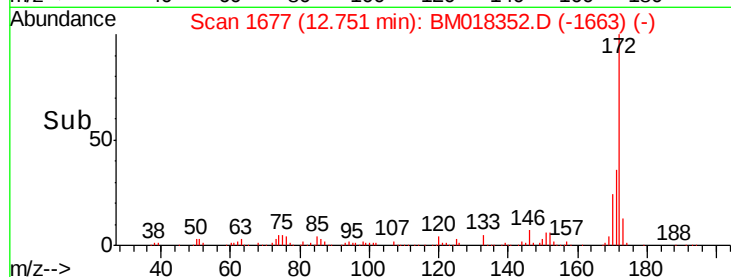
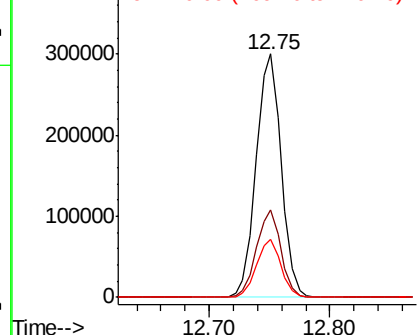


Abundance

Ion 172.00 (171.70 to 172.70): E

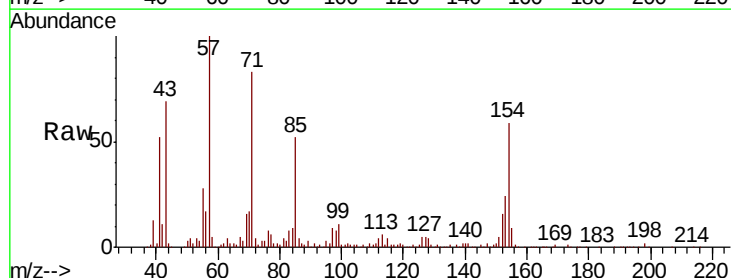
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 6.286 ng
RT: 12.96 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BM018352.D
Acq: 21 Dec 2018 10:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	19.5	59.5
76	13.2	0.0	33.1

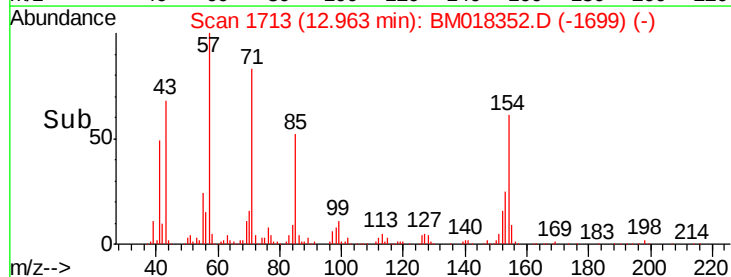
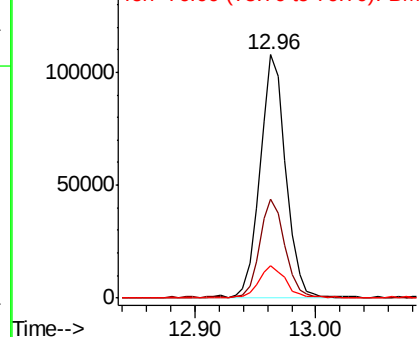


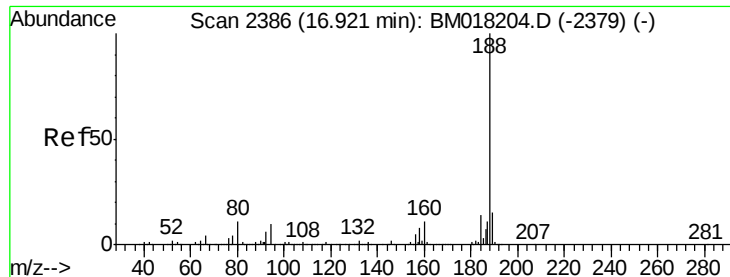
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

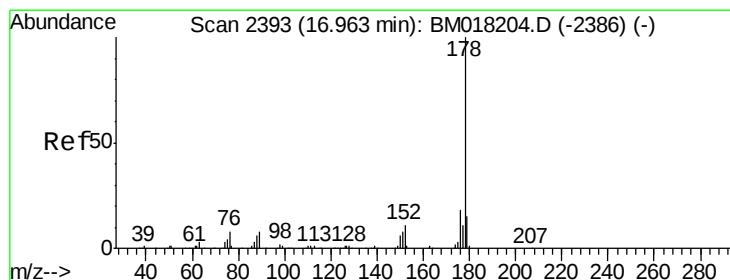
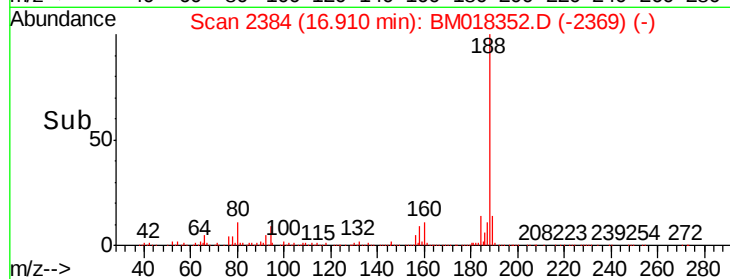
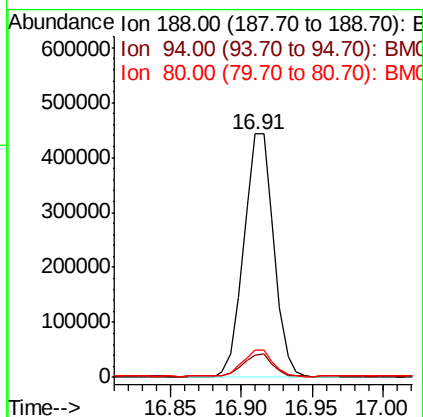
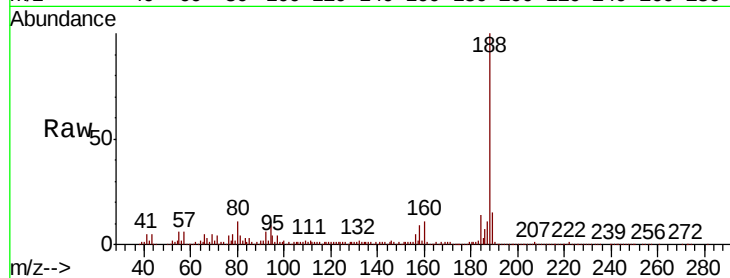




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018352.D
Acq: 21 Dec 2018 10:02

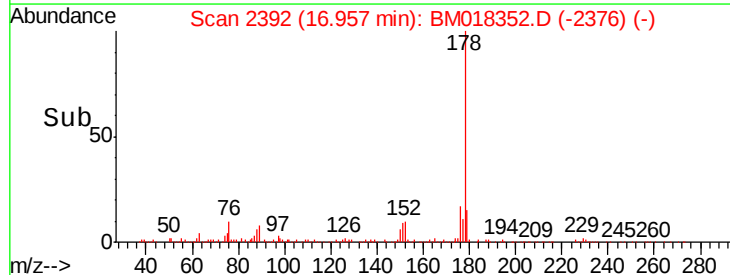
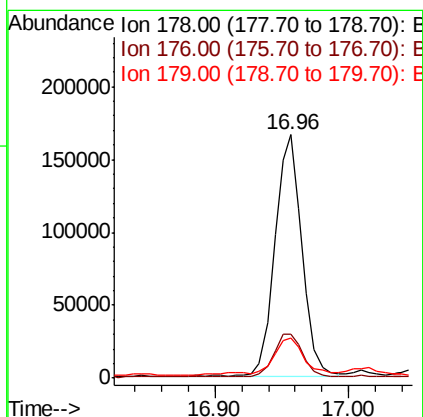
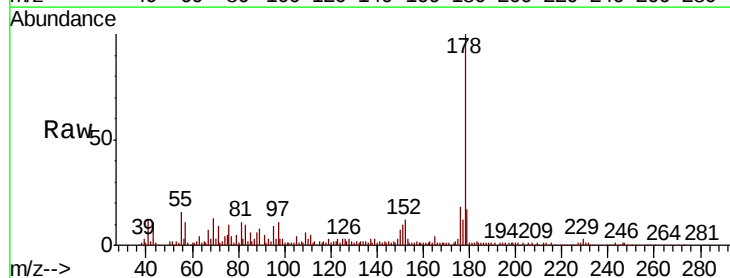
Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01DL

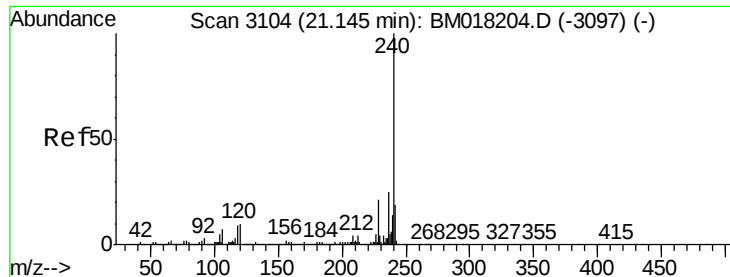
Tot Ion:188 Resp: 656551
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 11.3 9.0 13.6



#71
Phenanthrene
Concen: 6.593 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BM018352.D
Acq: 21 Dec 2018 10:02

Tgt Ion:178 Resp: 235119
Ion Ratio Lower Upper
178 100
176 17.9 14.7 22.1
179 16.5 12.0 18.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM018352.D

Acq: 21 Dec 2018 10:02

Instrument :

BNA_M

ClientSampleId :

P001-SD002-0612-01DL

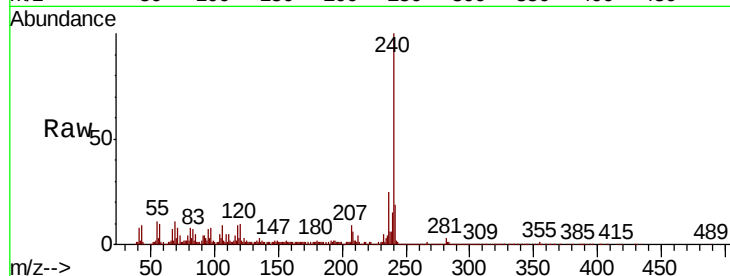
Tot Ion:240 Resp: 663522

Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

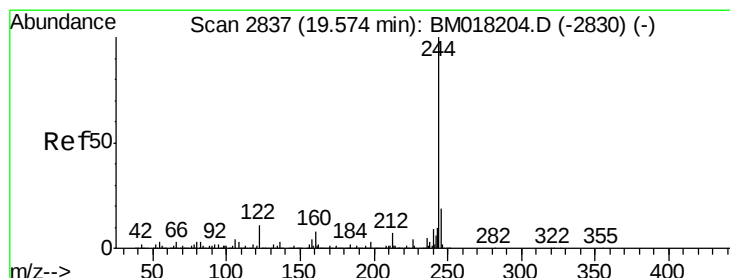
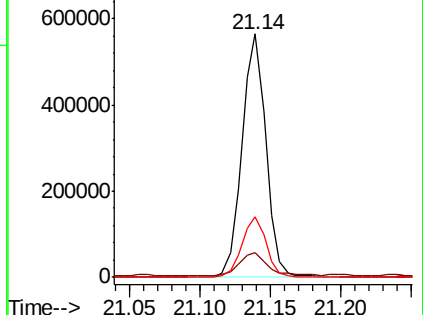
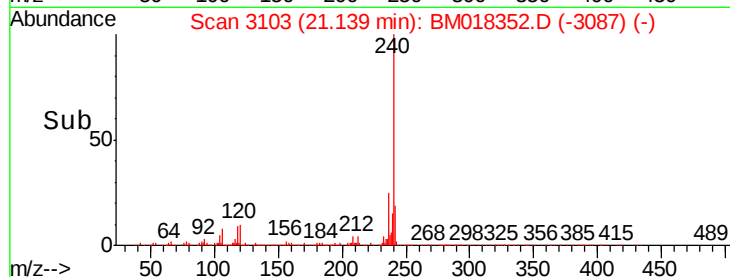
236 25.1 20.3 30.5



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: 23.494 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BM018352.D

Acq: 21 Dec 2018 10:02

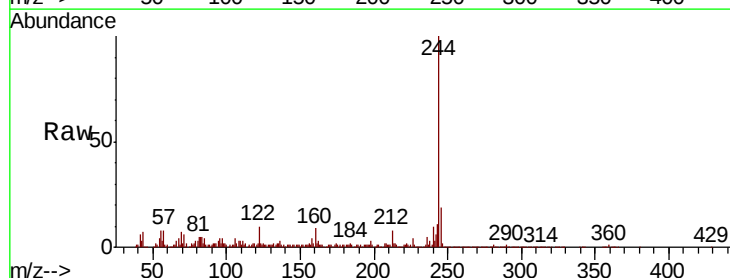
Tgt Ion:244 Resp: 689258

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

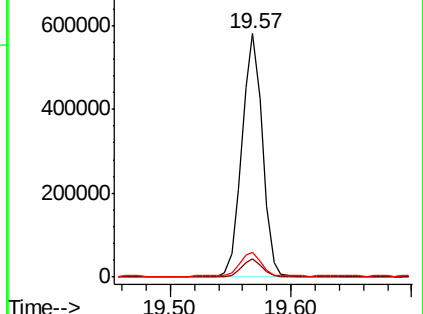
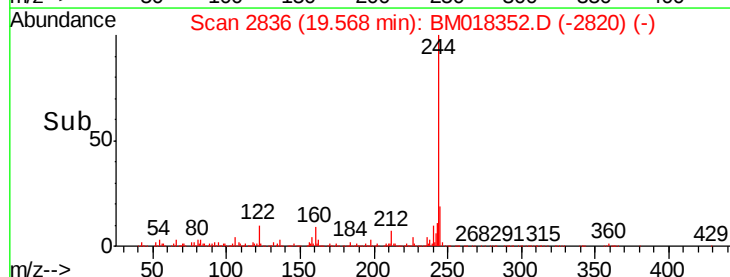
122 10.2 9.0 13.6

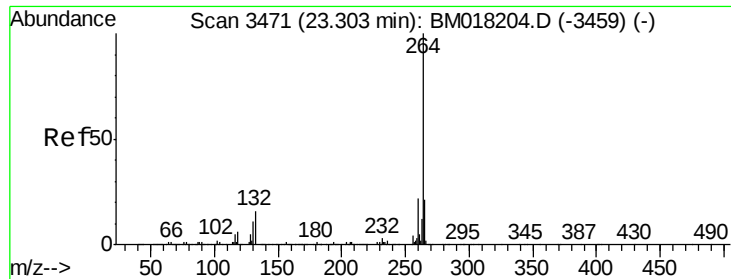


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

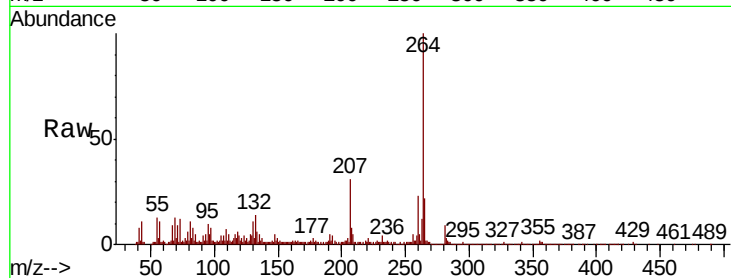




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3471
Delta R.T. 0.00 min
Lab File: BM018352.D
Acq: 21 Dec 2018 10:02

Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01DL

Tot Ion:	264	Resp:	553931
Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.5	26.3
265	22.1	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

