

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081917\
 Data File : BM011324.D
 Acq On : 19 Aug 2017 18:41
 Operator : SJ/JU
 Sample : I4848-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A2882RE

Quant Time: Aug 21 01:36:46 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 16 02:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	139697	20.00	ng	-0.02
21) Naphthalene-d8	10.02	136	533853	20.00	ng	-0.02
38) Acenaphthene-d10	13.93	164	458187	20.00	ng	-0.02
63) Phenanthrene-d10	16.70	188	1244580	20.00	ng	-0.02
75) Chrysene-d12	20.94	240	2190440	20.00	ng	0.00
86) Perylene-d12	23.04	264	1905943	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.91	112	92812	11.23	ng	-0.02
7) Phenol-d6	6.47	99	93712	7.98	ng	-0.02
23) Nitrobenzene-d5	8.42	82	568923	40.00	ng	-0.02
41) 2,4,6-Tribromophenol	15.44	330	195564	26.63	ng	-0.02
44) 2-Fluorobiphenyl	12.54	172	1224041	33.50	ng	-0.02
78) Terphenyl-d14	19.37	244	2504856	22.65	ng	-0.01

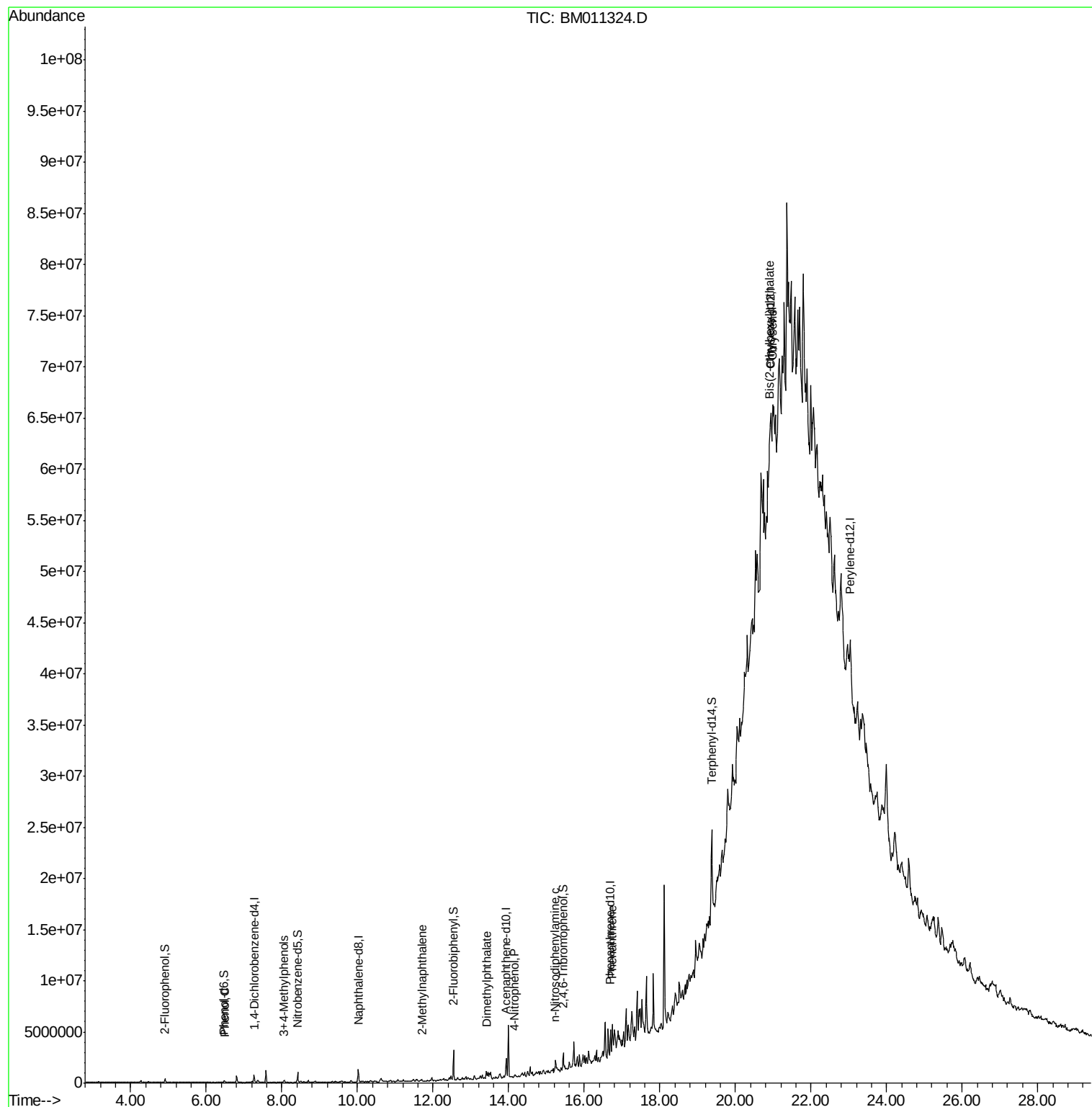
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	34879	2.73	ng	88
20) 3+4-Methylphenols	8.05	107	29212	2.58	ng	# 81
37) 2-Methylnaphthalene	11.70	142	54406	2.76	ng	# 72
49) Dimethylphthalate	13.41	163	329726	8.41	ng	98
55) 4-Nitrophenol	14.16	139	12928	2.14	ng	# 48
65) n-Nitrosodiphenylamine	15.22	169	81908	2.30	ng	# 63
70) Phenanthrene	16.74	178	214004	3.28	ng	# 89
82) Chrysene	20.98	228	319673	2.66	ng	# 26
83) Bis(2-ethylhexyl)phthalate	20.90	149	996027	14.63	ng	# 79

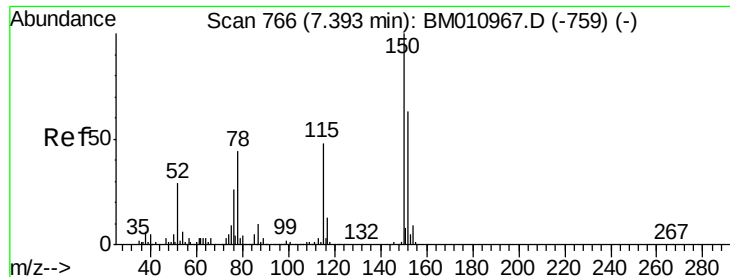
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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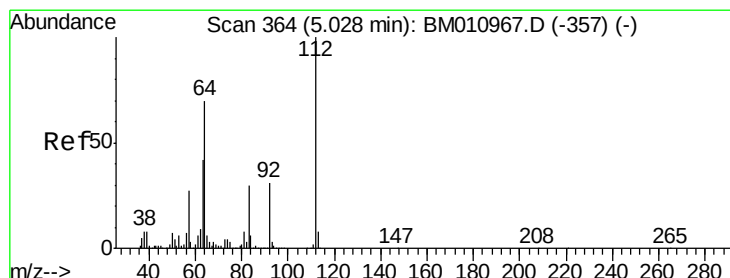
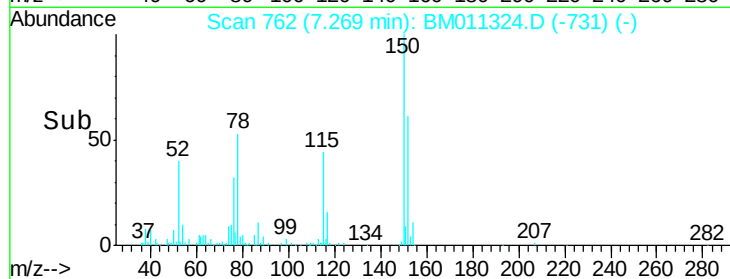
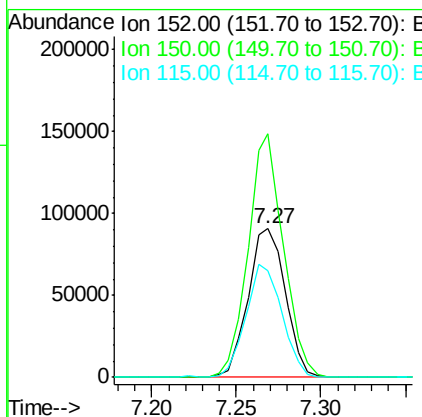
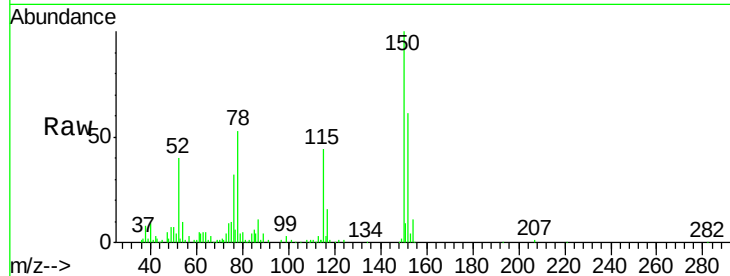


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 762
Delta R.T. -0.02 min
Lab File: BM011324.D
Acq: 19 Aug 2017 18:41

Instrument :
BNA_M
ClientSampled :
A2882RE

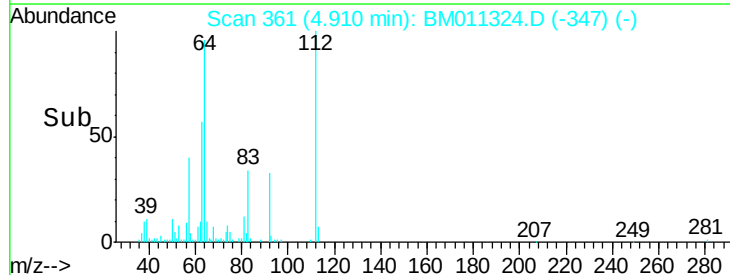
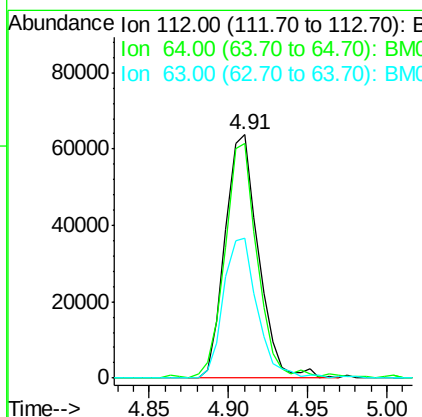
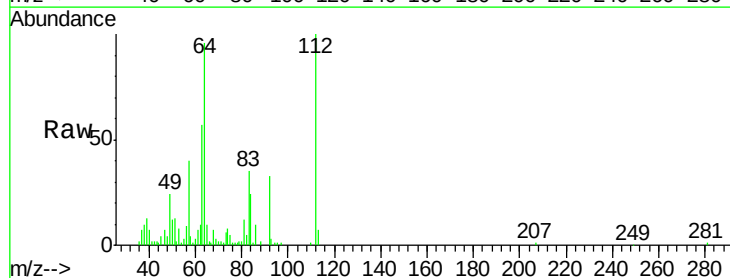
Tot Ion	Ratio	Lower	Upper
152	100		
150	163.6	119.5	179.3
115	71.9	43.0	64.4

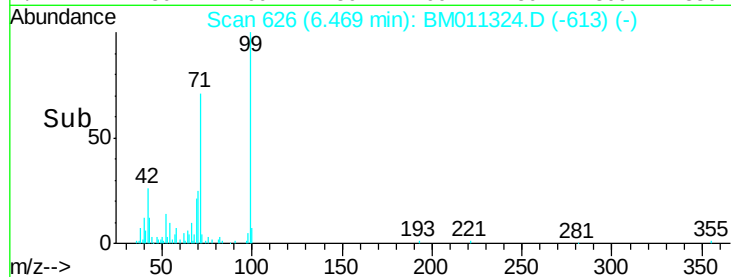
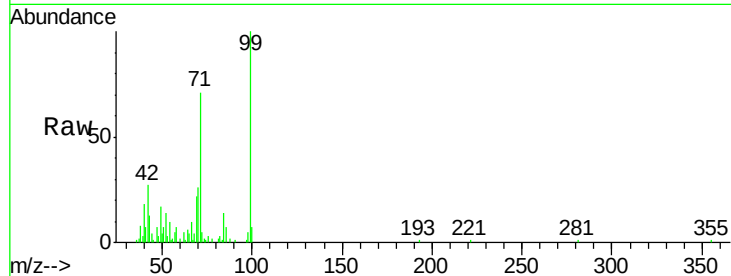
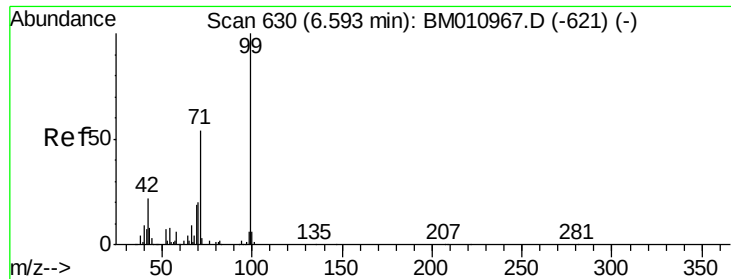


#5

2-Fluorophenol
Concen: 11.23 ng
RT: 4.91 min Scan# 361
Delta R.T. -0.02 min
Lab File: BM011324.D
Acq: 19 Aug 2017 18:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	96.3	38.6	57.8
63	57.3	19.3	28.9





#7

Phenol-d6

Concen: 7.98 ng

RT: 6.47 min Scan# 626

Delta R.T. -0.02 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

Instrument :

BNA_M

ClientSampleId :

A2882RE

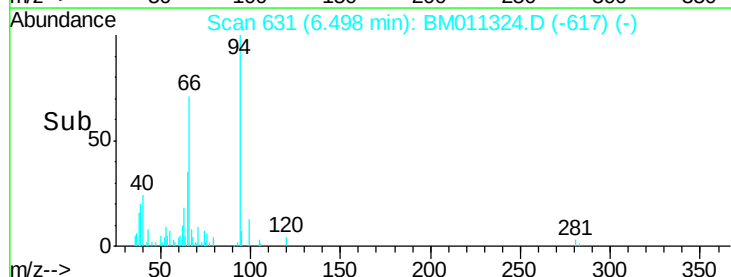
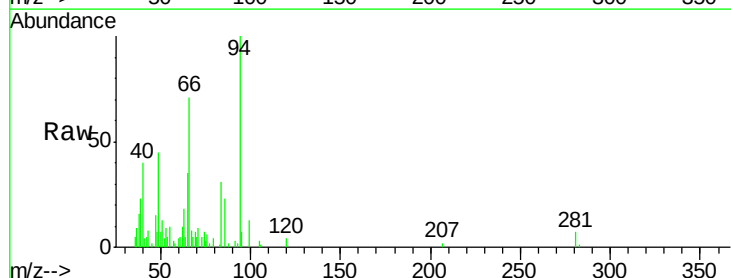
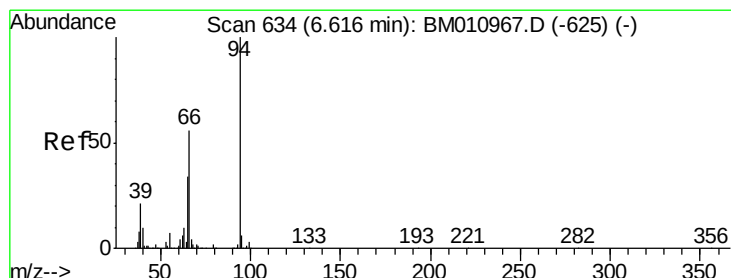
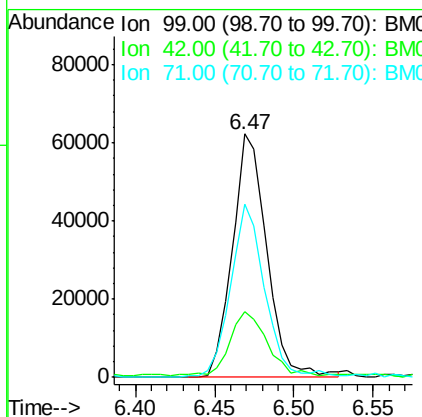
Tot Ion: 99 Resp: 93712

Ion Ratio Lower Upper

99 100

42 26.8 11.0 16.4#

71 71.2 23.4 35.2#



#10

Phenol

Concen: 2.73 ng

RT: 6.50 min Scan# 631

Delta R.T. -0.02 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

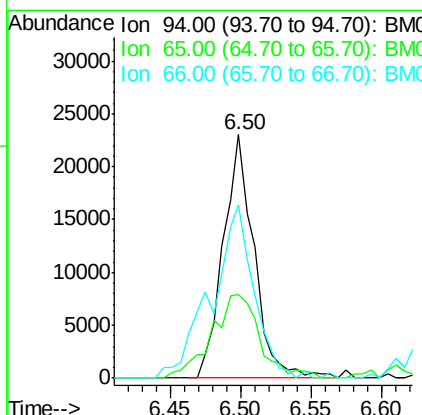
Tgt Ion: 94 Resp: 34879

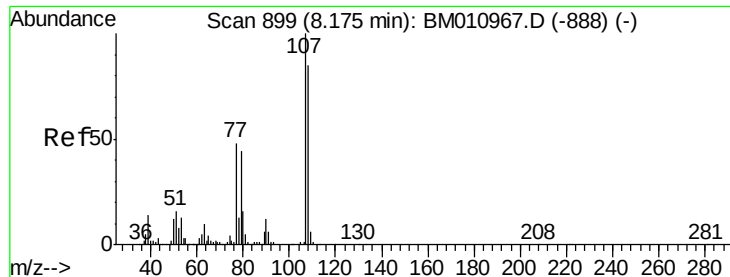
Ion Ratio Lower Upper

94 100

65 34.6 18.8 58.8

66 71.4 39.9 79.9

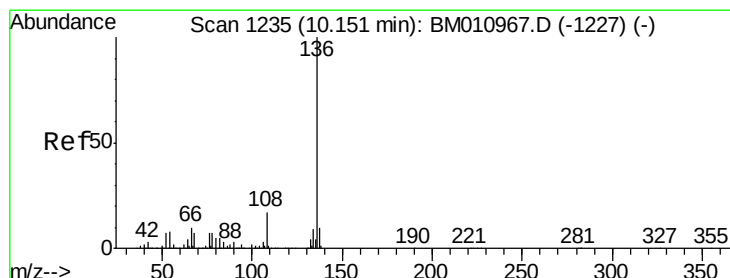
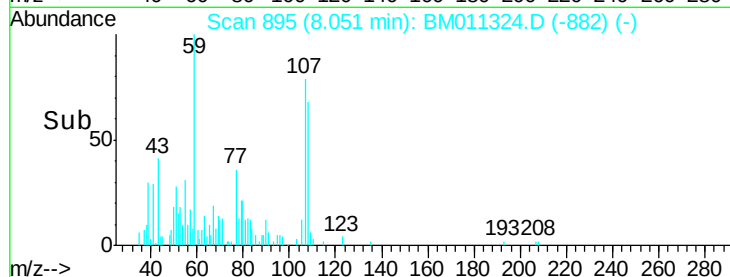
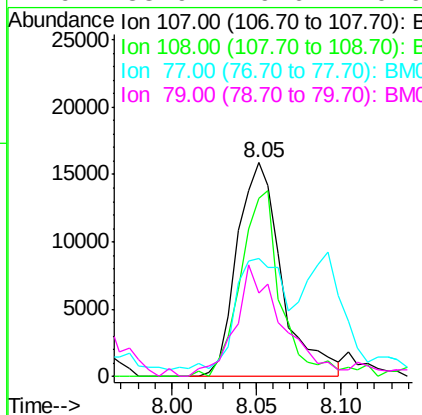
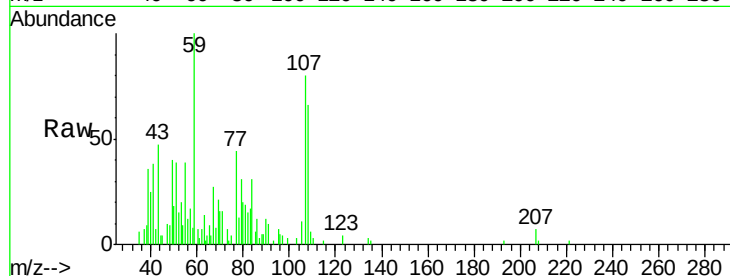




#20
3+4-Methylphenols
Concen: 2.58 ng
RT: 8.05 min Scan# 895
Delta R.T. -0.02 min
Lab File: BM011324.D
Acq: 19 Aug 2017 18:41

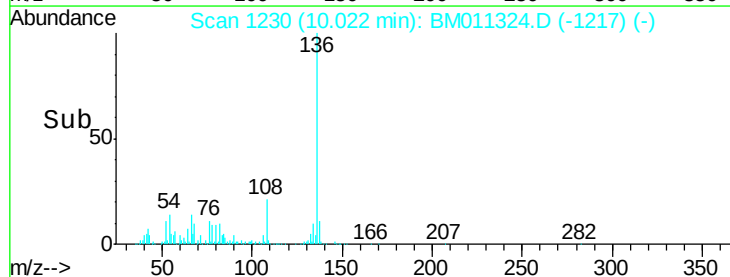
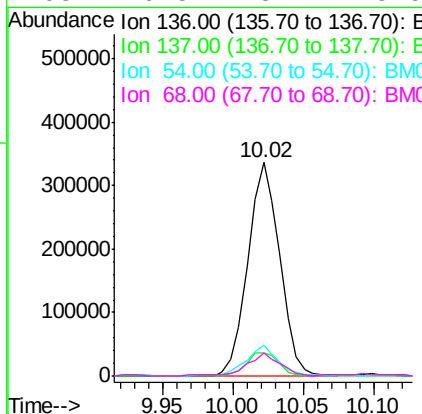
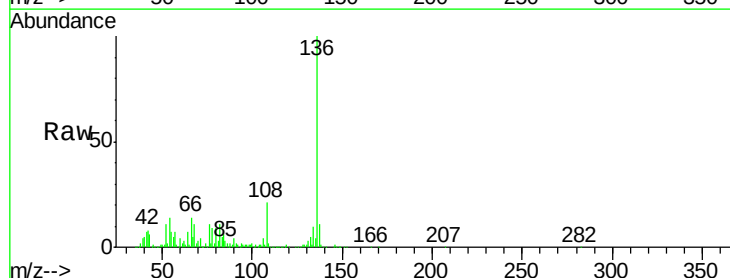
Instrument :
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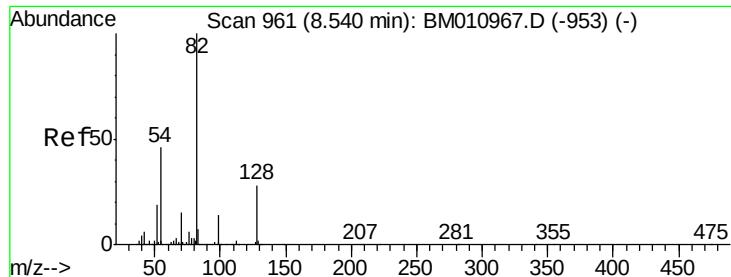
Tot Ion:	107	Resp:	29212
Ion	Ratio	Lower	Upper
107	100		
108	83.2	73.2	113.2
77	55.2	10.7	50.7#
79	38.9	9.6	49.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.02 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BM011324.D
Acq: 19 Aug 2017 18:41

Tgt Ion:	136	Resp:	533853
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	14.1	4.6	6.8#
68	10.5	3.7	5.5#

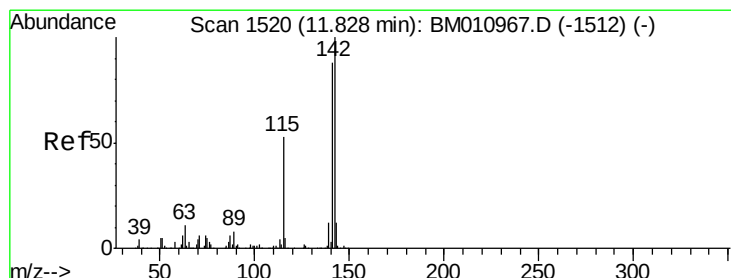
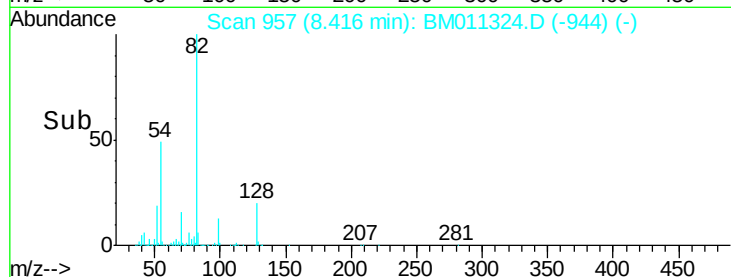
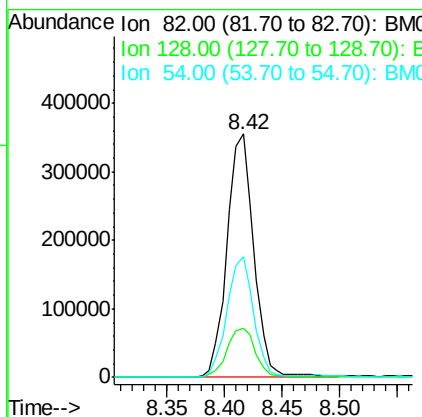
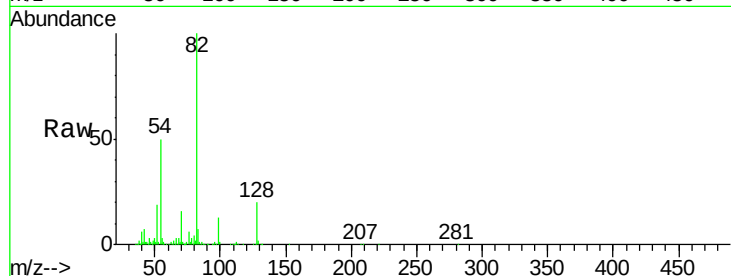




#23
 Nitrobenzene-d5
 Concen: 40.00 ng
 RT: 8.42 min Scan# 957
 Delta R.T. -0.02 min
 Lab File: BM011324.D
 Acq: 19 Aug 2017 18:41

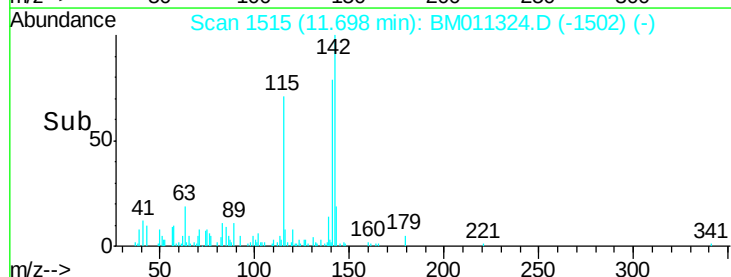
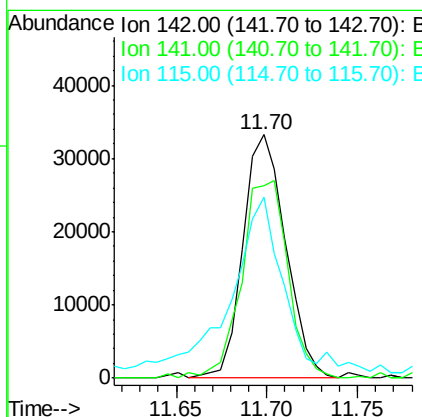
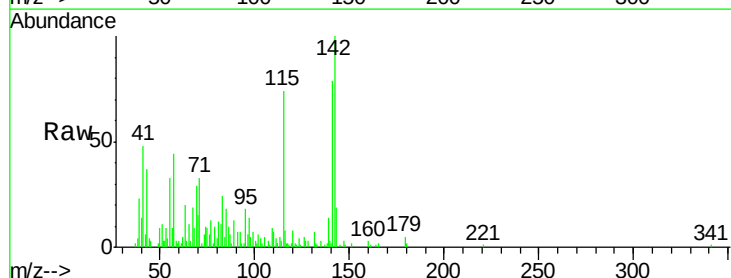
Instrument :
 BNA_M
 ClientSampleId :
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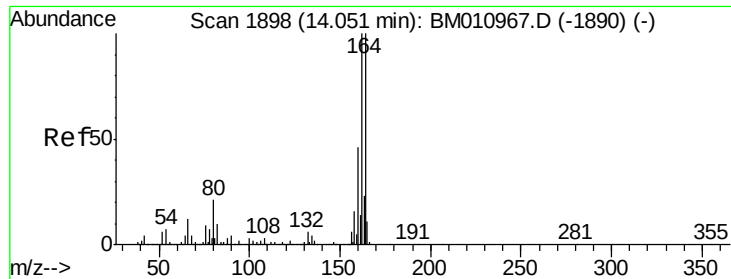
Tot Ion	82	Resp	568923
Ion Ratio	Lower	Upper	
82	100		
128	20.0	32.8	49.2#
54	49.6	40.6	60.8



#37
 2-Methylnaphthalene
 Concen: 2.76 ng
 RT: 11.70 min Scan# 1515
 Delta R.T. -0.02 min
 Lab File: BM011324.D
 Acq: 19 Aug 2017 18:41

Tgt Ion	142	Resp	54406
Ion Ratio	Lower	Upper	
142	100		
141	79.1	71.9	107.9
115	74.2	25.4	38.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 13.93 min Scan# 1895

Delta R.T. -0.02 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

Instrument :

BNA_M

ClientSampleId :

A2882RE

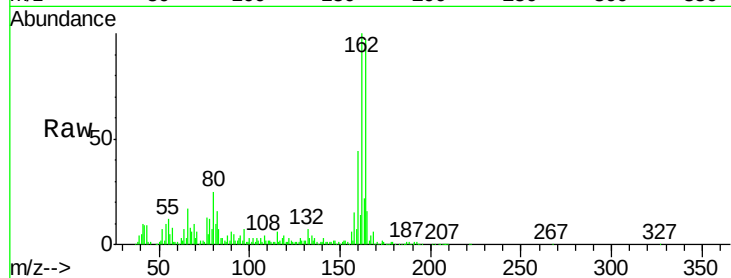
Tot Ion:164 Resp: 458187

Ion Ratio Lower Upper

164 100

162 102.9 82.4 123.6

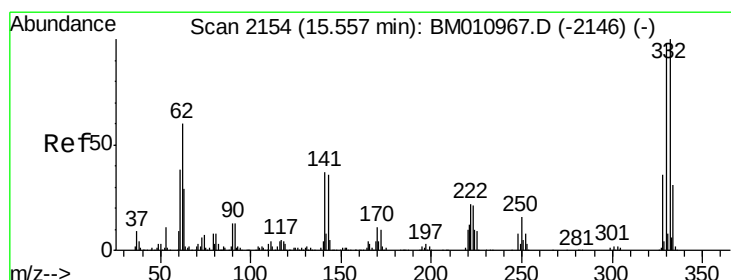
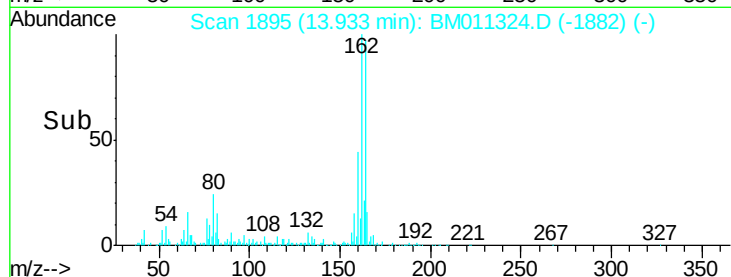
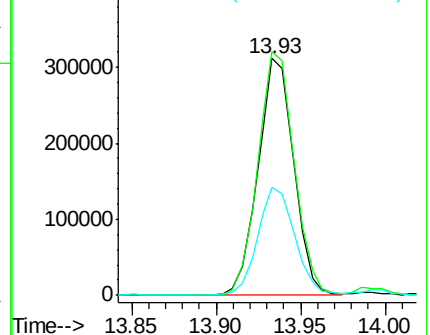
160 45.7 35.8 53.6



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



#41

2,4,6-Tribromophenol

Concen: 26.63 ng

RT: 15.44 min Scan# 2152

Delta R.T. -0.02 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

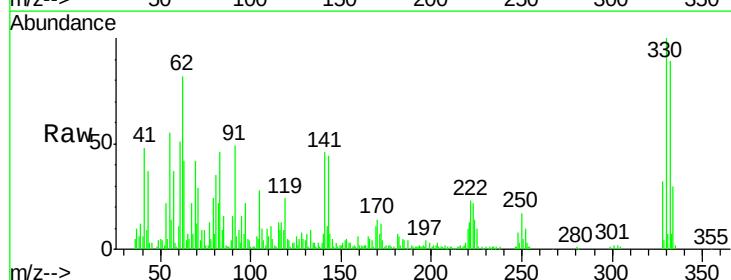
Tgt Ion:330 Resp: 195564

Ion Ratio Lower Upper

330 100

332 93.1 0.0 0.0#

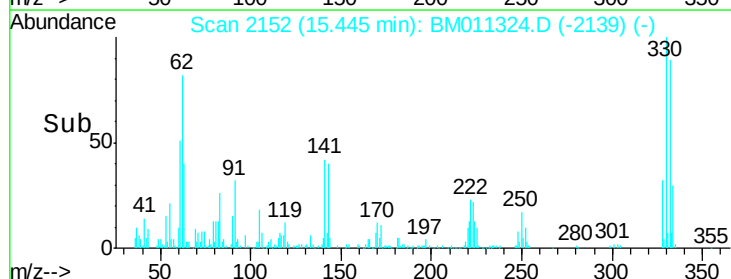
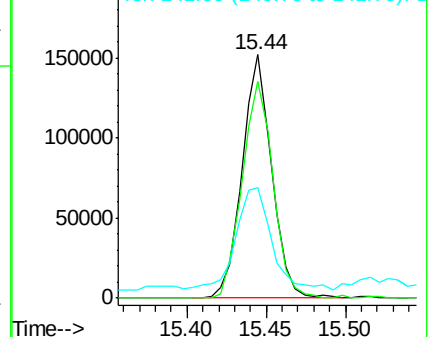
141 50.8 0.0 0.0#

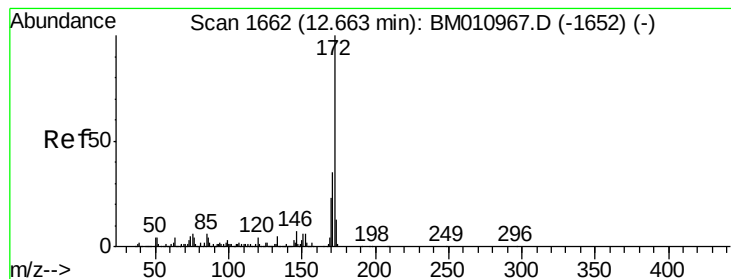


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 33.50 ng

RT: 12.54 min Scan# 1658

Delta R.T. -0.02 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

Instrument :

BNA_M

ClientSampleId :

A2882RE

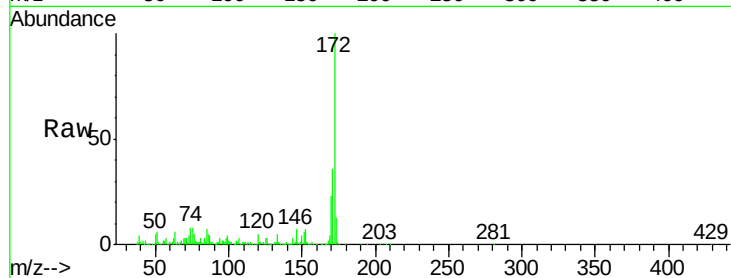
Tot Ion:172 Resp: 1224041

Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

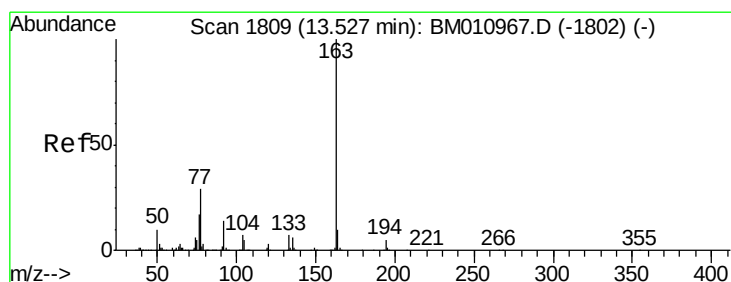
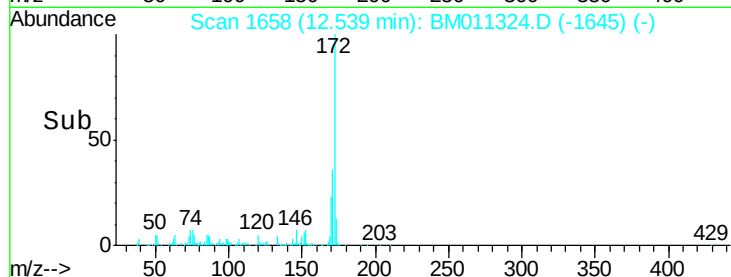
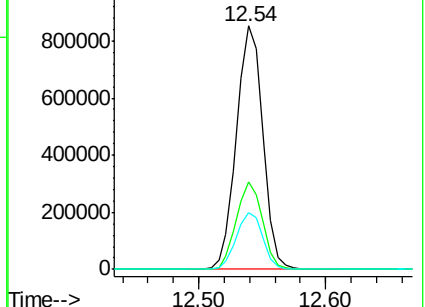
170 23.3 18.8 28.2



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



#49

Dimethylphthalate

Concen: 8.41 ng

RT: 13.41 min Scan# 1806

Delta R.T. -0.03 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

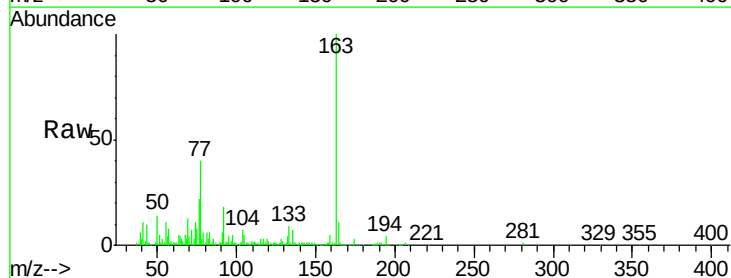
Tgt Ion:163 Resp: 329726

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

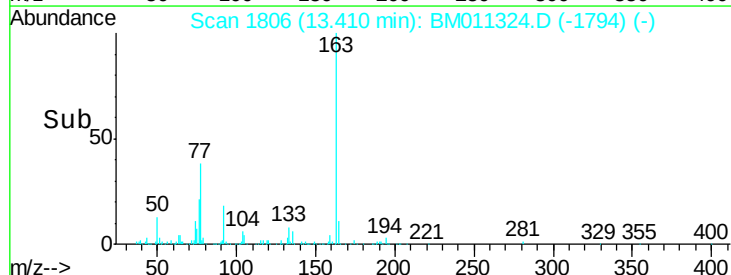
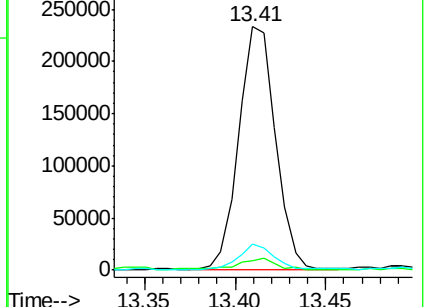
164 10.9 8.2 12.2

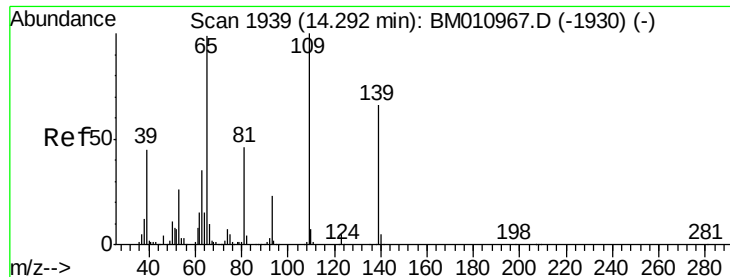


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

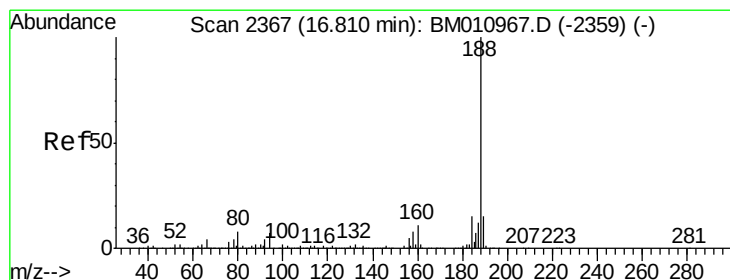
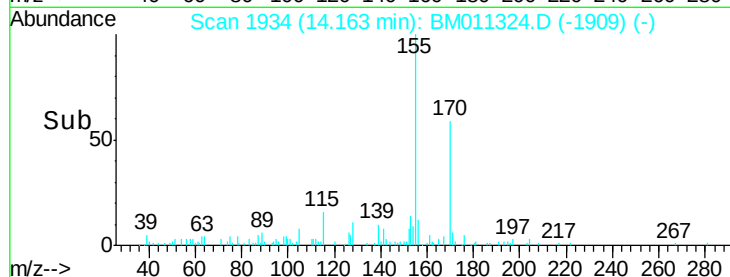
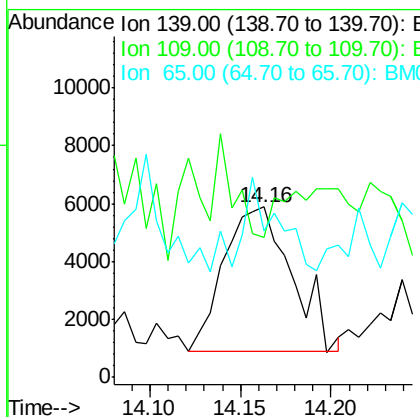
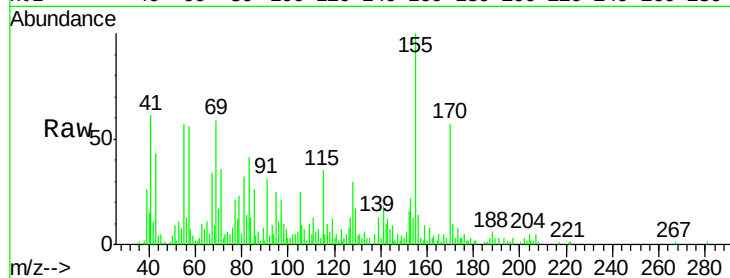




#55
4-Nitrophenol
Concen: 2.14 ng
RT: 14.16 min Scan# 1934
Delta R.T. -0.05 min
Lab File: BM011324.D
Acq: 19 Aug 2017 18:41

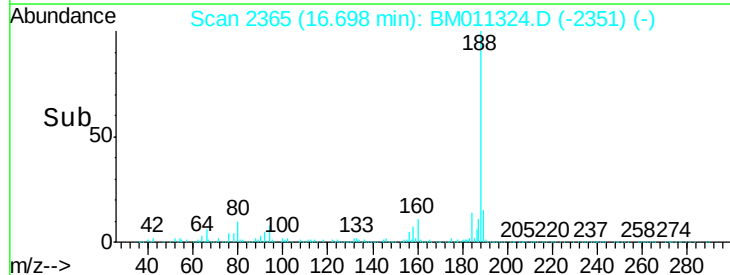
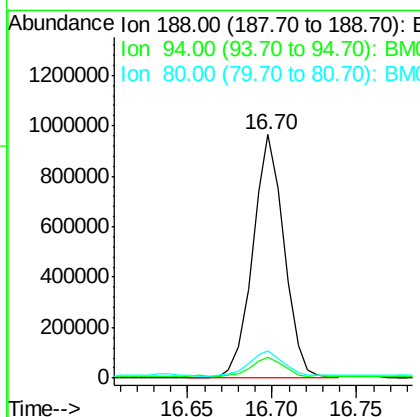
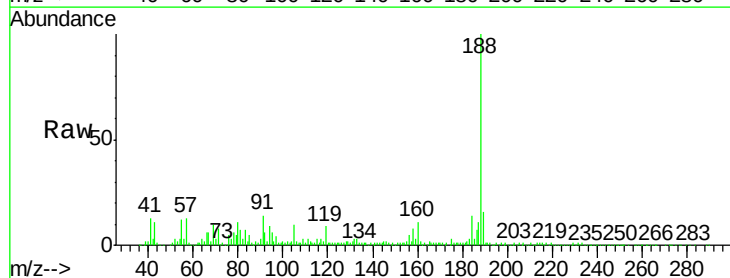
Instrument :
BNA_M
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A2882RE

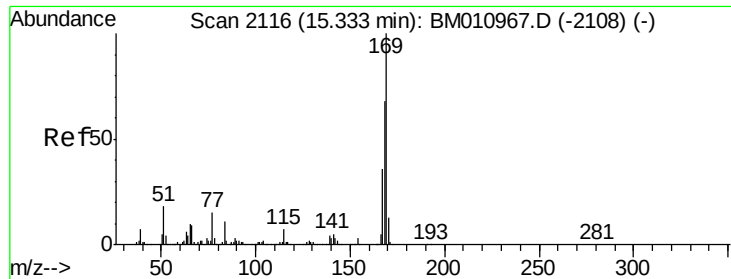
Tot Ion:139 Resp: 12928
Ion Ratio Lower Upper
139 100
109 82.2 130.0 170.0#
65 86.2 130.0 170.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.70 min Scan# 2365
Delta R.T. -0.02 min
Lab File: BM011324.D
Acq: 19 Aug 2017 18:41

Tgt Ion:188 Resp: 1244580
Ion Ratio Lower Upper
188 100
94 8.5 8.7 13.1#
80 11.1 9.3 13.9





#65

n-Nitrosodiphenylamine

Concen: 2.30 ng

RT: 15.22 min Scan# 2114

Delta R.T. -0.02 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

Instrument :

BNA_M

ClientSampleId :

A2882RE

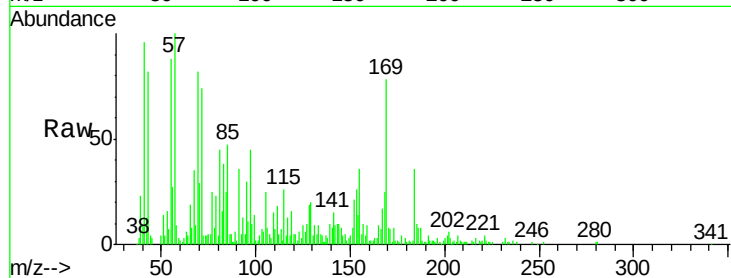
Tot Ion:169 Resp: 81908

Ion Ratio Lower Upper

169 100

168 32.1 53.9 80.9#

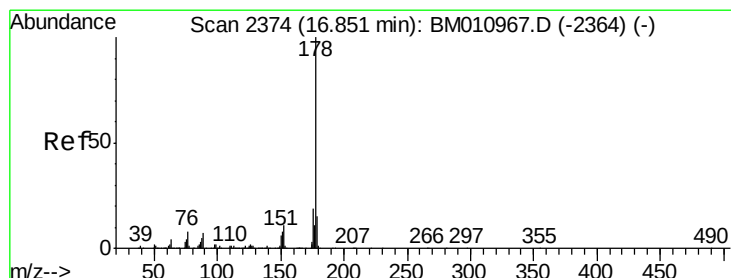
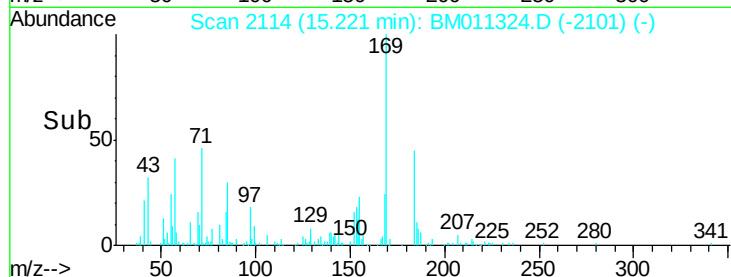
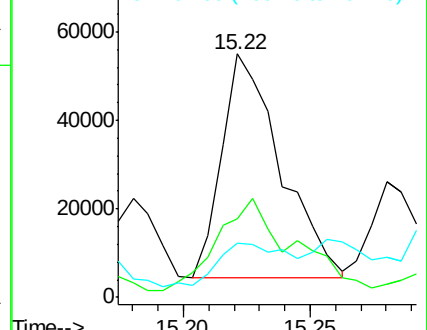
167 22.1 28.9 43.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 3.28 ng

RT: 16.74 min Scan# 2372

Delta R.T. -0.02 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

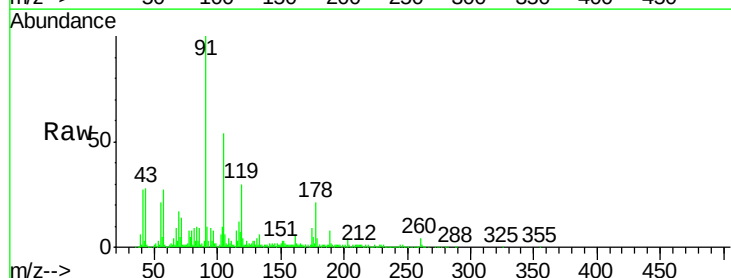
Tgt Ion:178 Resp: 214004

Ion Ratio Lower Upper

178 100

176 23.2 15.2 22.8#

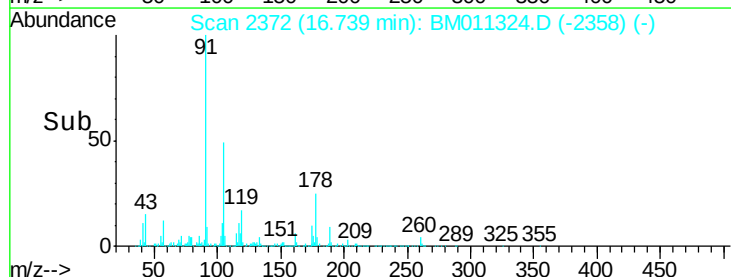
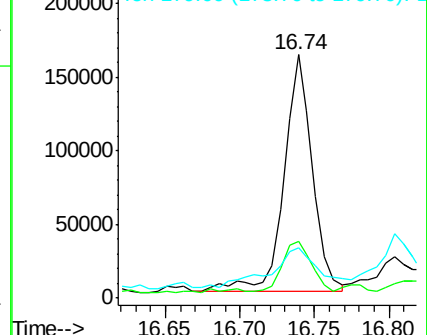
179 20.7 12.1 18.1#

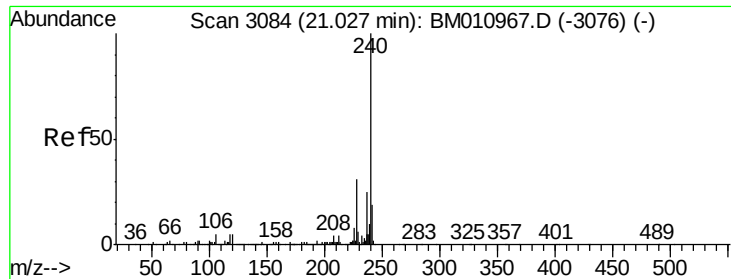


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 20.94 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

Instrument :

BNA_M

ClientSampleId :

A2882RE

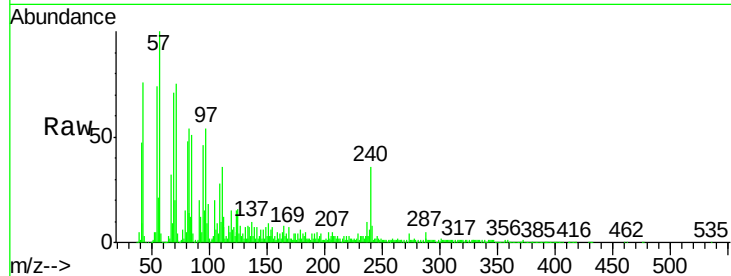
Tot Ion:240 Resp: 2190440

Ion Ratio Lower Upper

240 100

120 16.1 8.2 12.2#

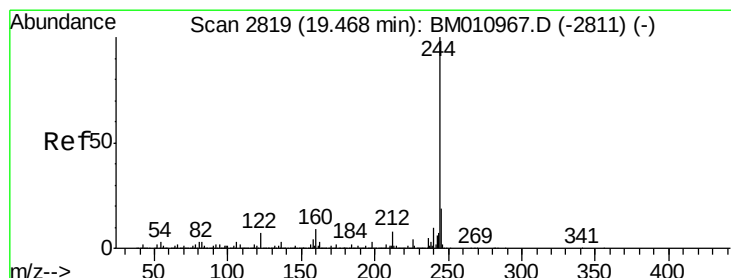
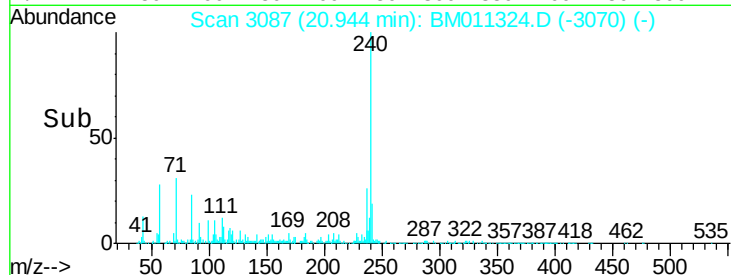
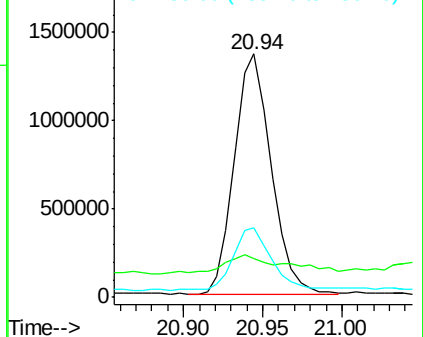
236 28.7 20.0 30.0



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



#78

Terphenyl-d14

Concen: 22.65 ng

RT: 19.37 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

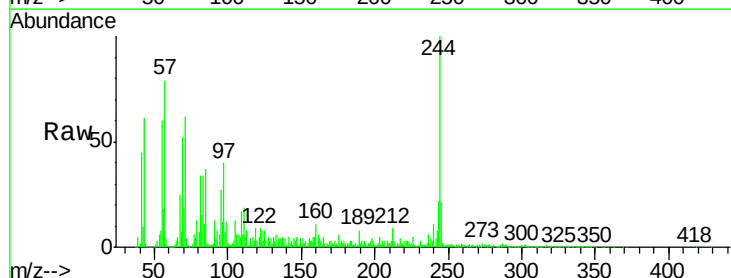
Tgt Ion:244 Resp: 2504856

Ion Ratio Lower Upper

244 100

212 9.3 4.9 7.3#

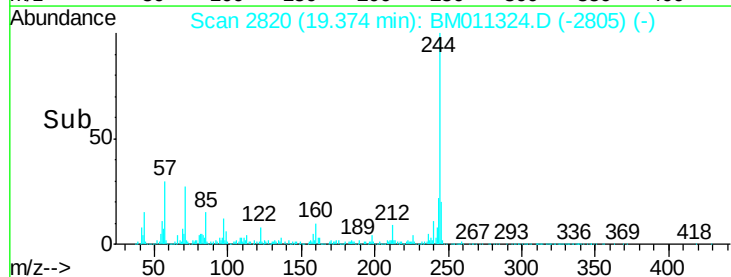
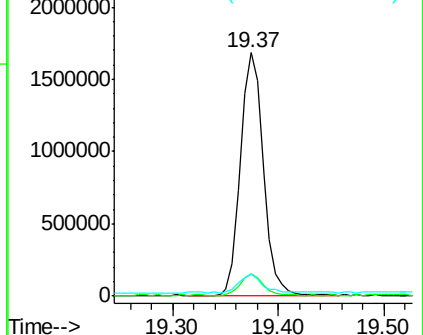
122 9.1 6.2 9.4

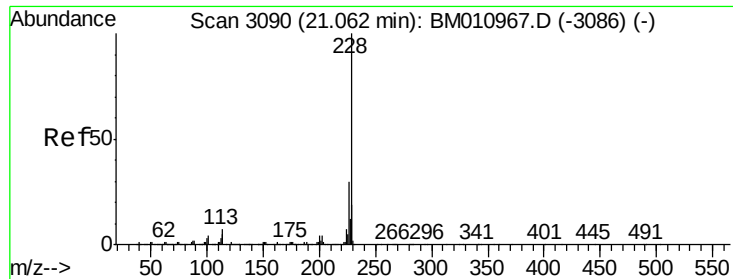


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.66 ng

RT: 20.98 min Scan# 3093

Delta R.T. 0.00 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

Instrument :

BNA_M

ClientSampleId :

A2882RE

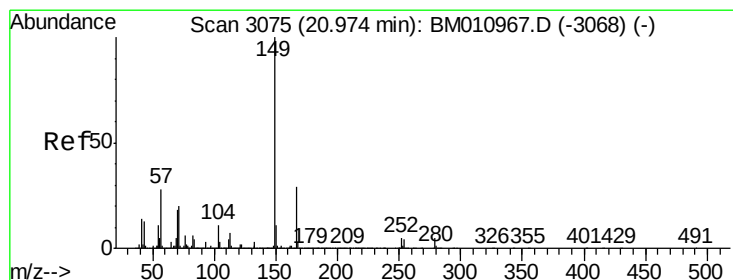
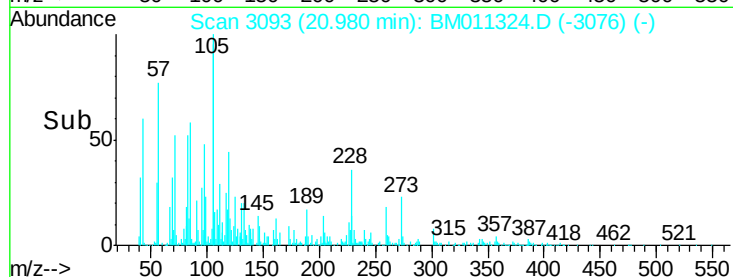
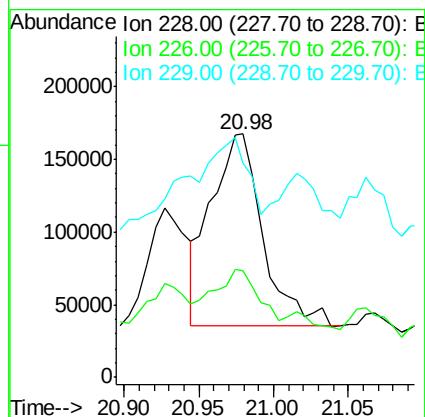
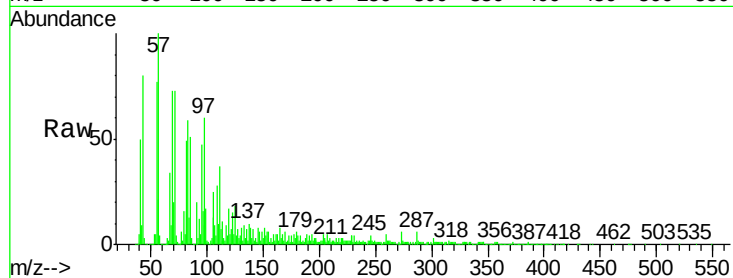
Tot Ion:228 Resp: 319673

Ion Ratio Lower Upper

228 100

226 43.7 24.1 36.1#

229 87.7 15.5 23.3#



#83

Bis(2-ethylhexyl)phthalate

Concen: 14.63 ng

RT: 20.90 min Scan# 3079

Delta R.T. 0.00 min

Lab File: BM011324.D

Acq: 19 Aug 2017 18:41

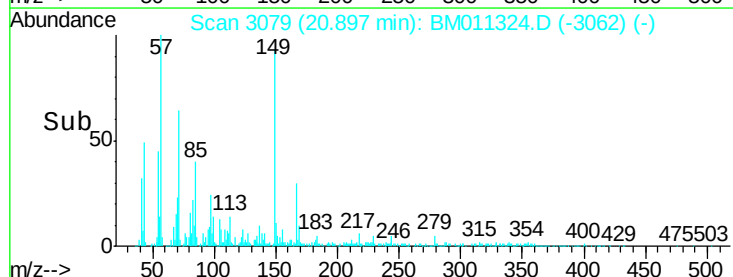
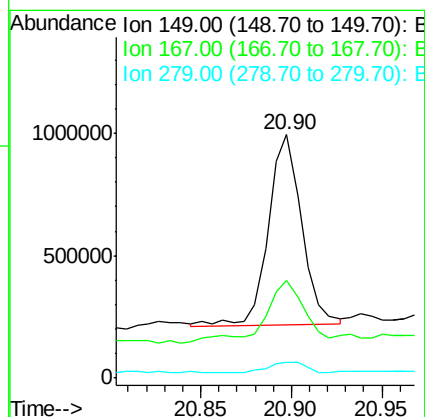
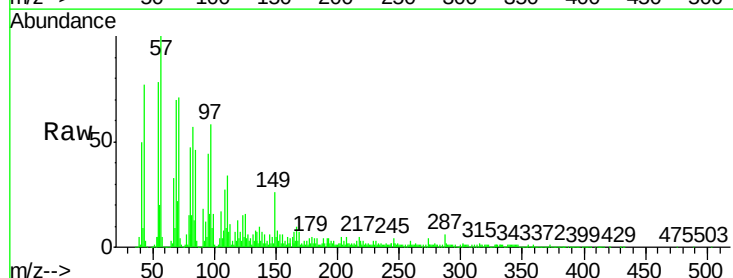
Tgt Ion:149 Resp: 996027

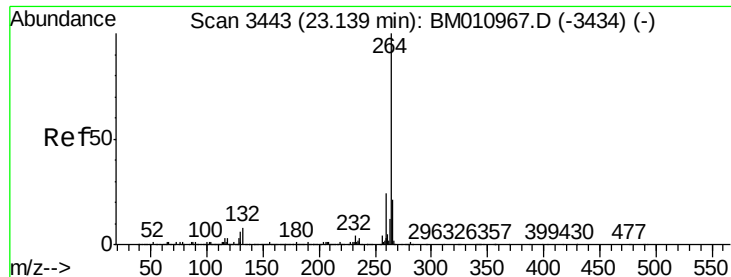
Ion Ratio Lower Upper

149 100

167 40.4 22.4 33.6#

279 6.6 3.4 5.0#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.04 min Scan# 3443
Delta R.T. 0.02 min
Lab File: BM011324.D
Acq: 19 Aug 2017 18:41

Instrument :
BNA_M
ClientSampleId :
A2882RE

Tot Ion:264 Resp: 1905943

Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.6	27.8
265	22.4	17.3	25.9

