

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040517\
 Data File : BM009545.D
 Acq On : 05 Apr 2017 00:27
 Operator : SJ/MA
 Sample : I2495-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LSS-SP03-COMP

Quant Time: Apr 05 02:20:03 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 12:10:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	162	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	1122	20.00	ng	0.00
38) Acenaphthene-d10	14.49	164	490	20.00	ng	-0.01
63) Phenanthrene-d10	17.24	188	526	20.00	ng	0.00
75) Chrysene-d12	21.43	240	1729	20.00	ng	0.00
86) Perylene-d12	23.75	264	2100	20.00	ng	0.00

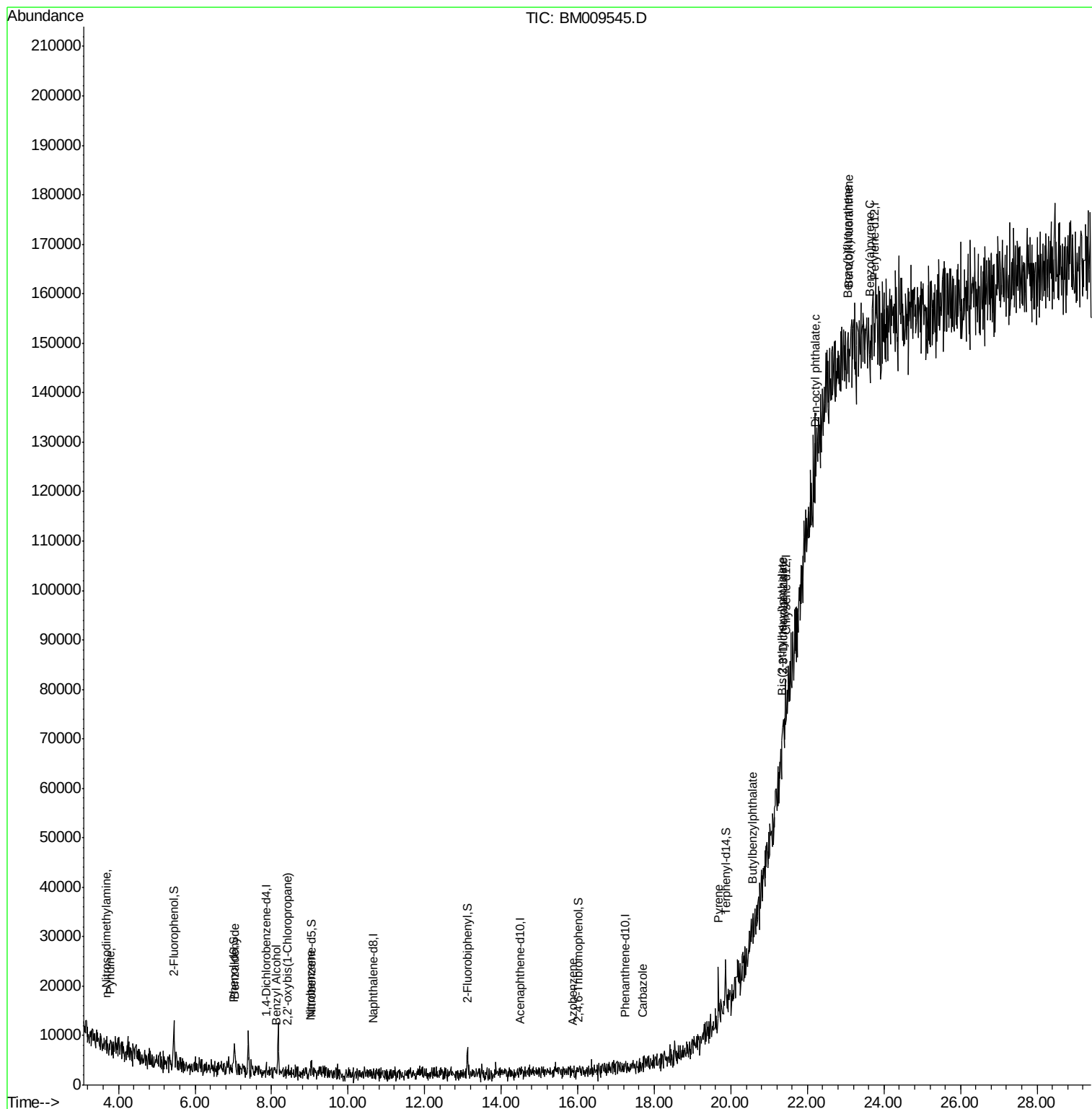
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	4233	435.54	ng	0.01
7) Phenol-d6	7.02	99	1557	117.48	ng	0.00
23) Nitrobenzene-d5	9.03	82	1625	54.30	ng	0.00
41) 2,4,6-Tribromophenol	16.00	330	111	18.23	ng	0.00
44) 2-Fluorobiphenyl	13.12	172	4952	121.77	ng	0.00
78) Terphenyl-d14	19.86	244	6638	80.23	ng	-0.01

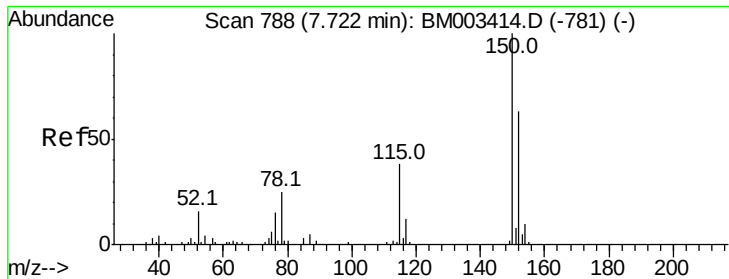
Target Compounds						Qvalue
3) Pyridine	3.79	79	142	10.28	ng	# 26
4) n-Nitrosodimethylamine	3.68	42	770	104.73	ng	# 1
9) Benzaldehyde	7.03	77	259	24.83	ng	# 2
15) Benzyl Alcohol	8.11	79	273	23.56	ng	# 12
16) 2,2'-oxybis(1-Chloropropan	8.41	45	369	18.04	ng	# 66
24) Nitrobenzene	9.00	77	108	3.68	ng	# 42
62) Azobenzene	15.87	77	172	3.86	ng	# 50
72) Carbazole	17.68	167	128	4.39	ng	# 59
77) Pyrene	19.67	202	233	2.38	ng	# 57
79) Butylbenzylphthalate	20.55	149	598	16.94	ng	# 88
81) 3,3'-Dichlorobenzidine	21.37	252	143	3.78	ng	# 26
83) Bis(2-ethylhexyl)phthalate	21.33	149	1314	24.94	ng	# 52
84) Di-n-octyl phthalate	22.22	149	736	8.39	ng	# 1
87) Benzo(b)fluoranthene	23.04	252	582	4.37	ng	# 1
88) Benzo(k)fluoranthene	23.07	252	584	4.56	ng	# 1
89) Benzo(a)pyrene	23.64	252	694	5.63	ng	# 26

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

```
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Acq On    : 05 Apr 2017  00:27  
Operator  : SJ/MA  
Sample    : I2495-13  
Misc      :  
ALS Vial  : 16      Sample Multiplier: 1
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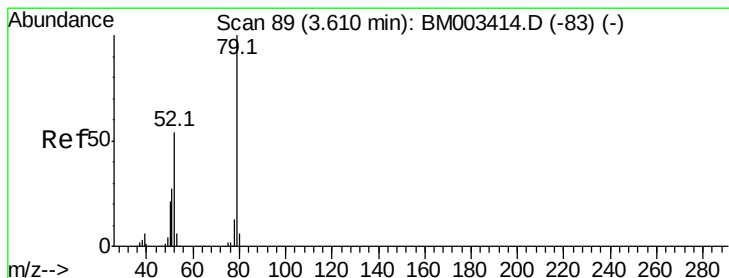
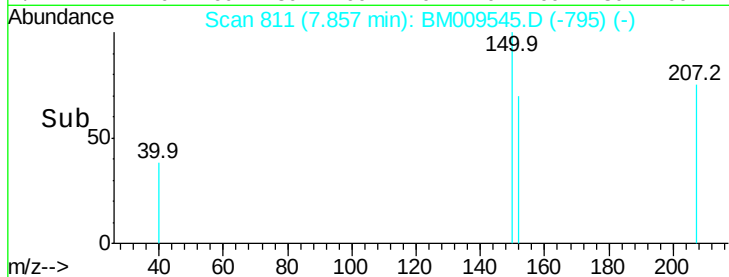
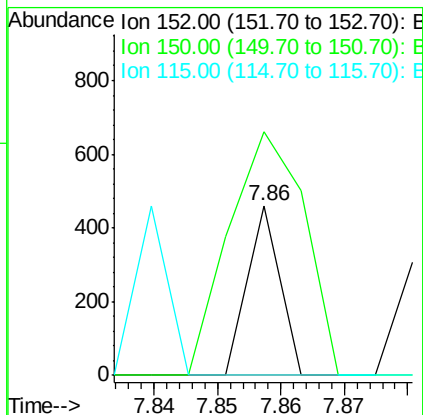
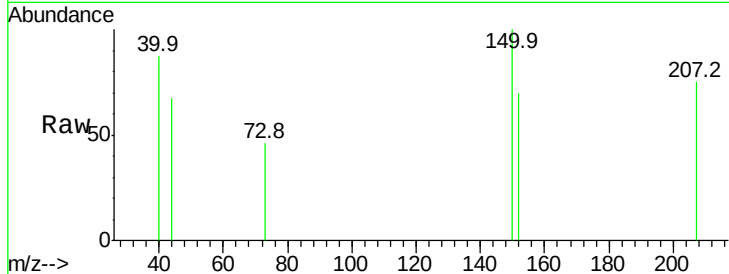


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BM009545.D
Acq: 05 Apr 2017 00:27

Instrument :
BNA_M
ClientSampleId :
LSS-SP03-COMP

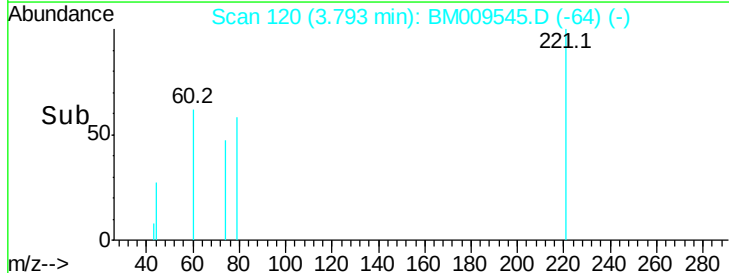
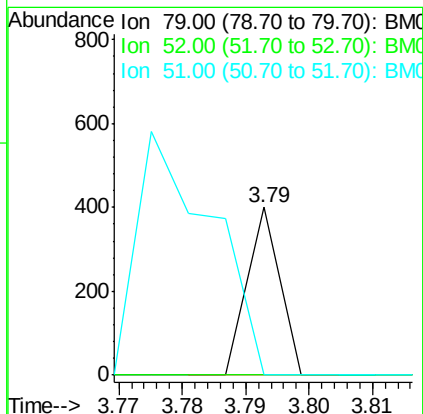
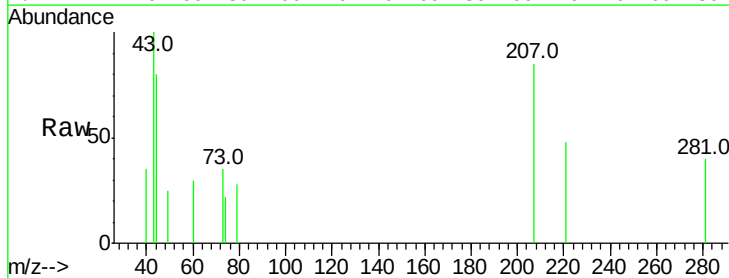
Tot Ion:152 Resp: 162
Ion Ratio Lower Upper
152 100
150 143.7 119.5 179.3
115 0.0 43.0 64.4#

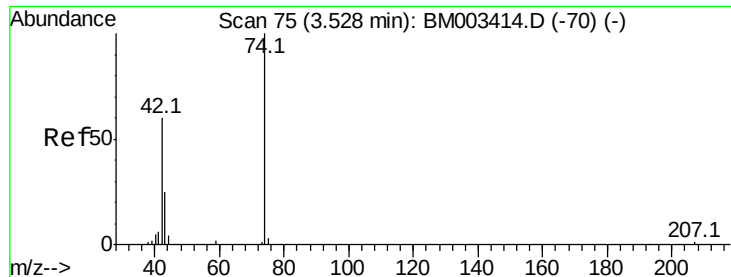


#3

Pyridine
Concen: 10.28 ng
RT: 3.79 min Scan# 120
Delta R.T. 0.03 min
Lab File: BM009545.D
Acq: 05 Apr 2017 00:27

Tgt Ion: 79 Resp: 142
Ion Ratio Lower Upper
79 100
52 0.0 51.1 76.7#
51 0.0 26.1 39.1#





#4

n-Nitrosodimethylamine

Concen: 104.73 ng

RT: 3.68 min Scan# 101

Delta R.T. 0.00 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

Instrument :

BNA_M

ClientSampleId :

LSS-SP03-COMP

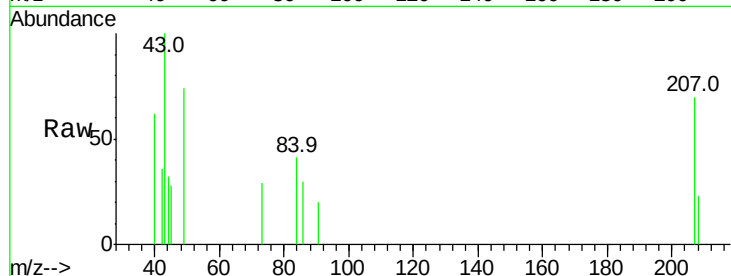
Tot Ion: 42 Resp: 770

Ion Ratio Lower Upper

42 100

74 0.0 119.3 178.9#

44 89.5 5.4 8.2#

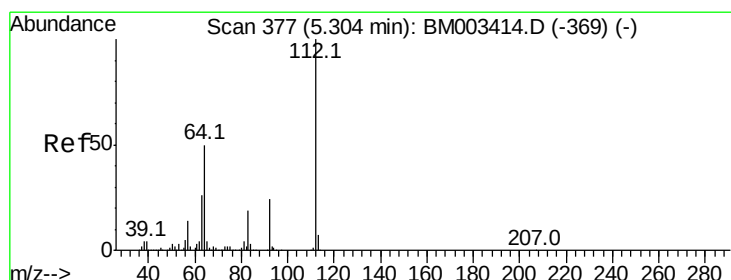
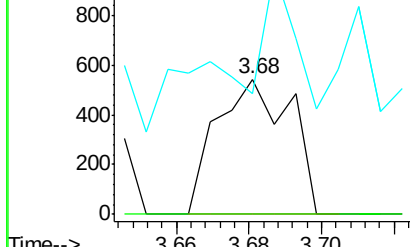
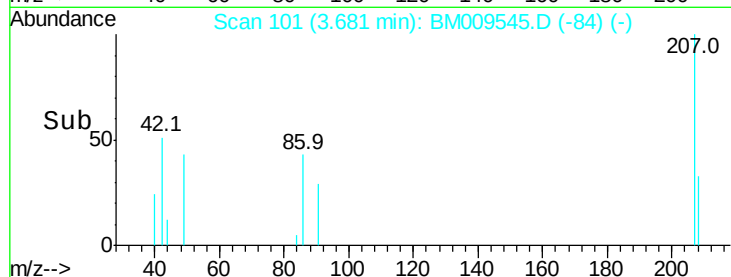


Abundance Ion 42.00 (41.70 to 42.70): BM009545.D (-84) (-)

Ion 74.00 (73.70 to 74.70): BM009545.D (-84) (-)

Ion 44.00 (43.70 to 44.70): BM009545.D (-84) (-)

Time-->



#5

2-Fluorophenol

Concen: 435.54 ng

RT: 5.45 min Scan# 401

Delta R.T. 0.01 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

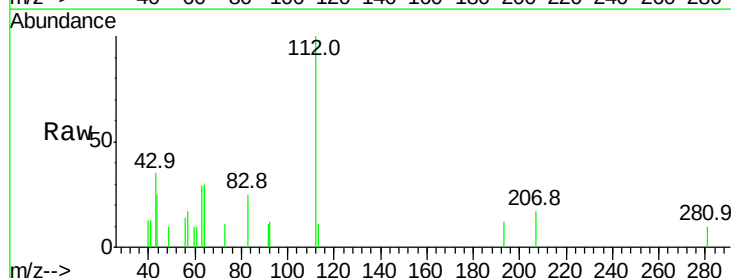
Tgt Ion: 112 Resp: 4233

Ion Ratio Lower Upper

112 100

64 29.6 38.6 57.8#

63 29.3 19.3 28.9#

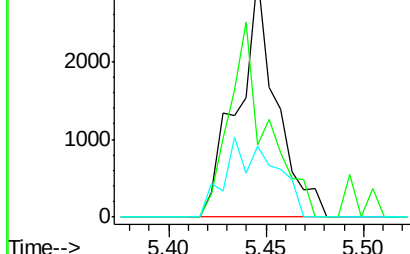
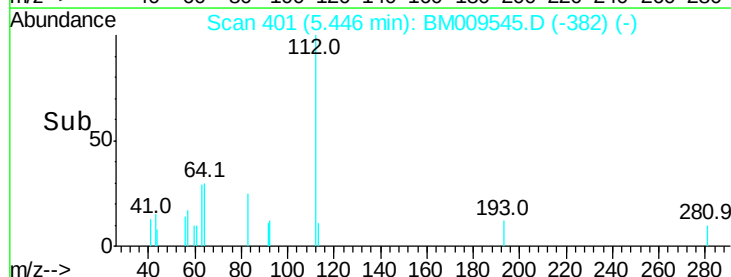


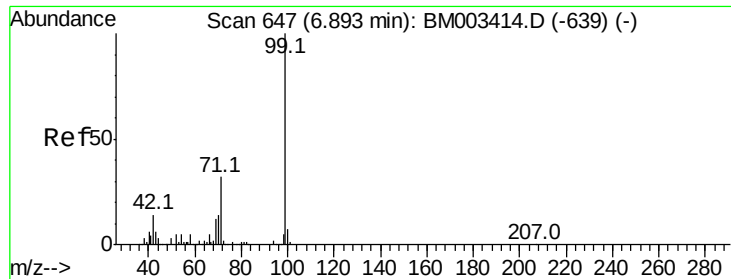
Abundance Ion 112.00 (111.70 to 112.70): BM009545.D (-382) (-)

Ion 64.00 (63.70 to 64.70): BM009545.D (-382) (-)

Ion 63.00 (62.70 to 63.70): BM009545.D (-382) (-)

Time-->





#7

Phenol-d6

Concen: 117.48 ng

RT: 7.02 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

Instrument :

BNA_M

ClientSampleId :

LSS-SP03-COMP

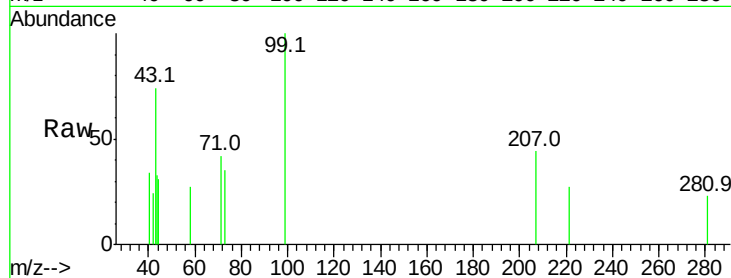
Tot Ion: 99 Resp: 1557

Ion Ratio Lower Upper

99 100

42 24.0 11.0 16.4#

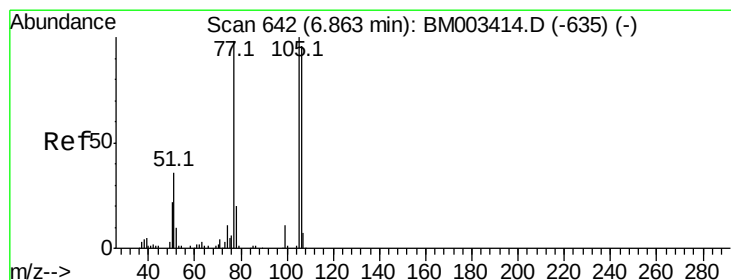
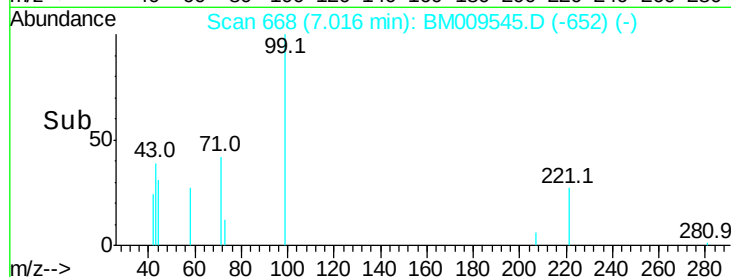
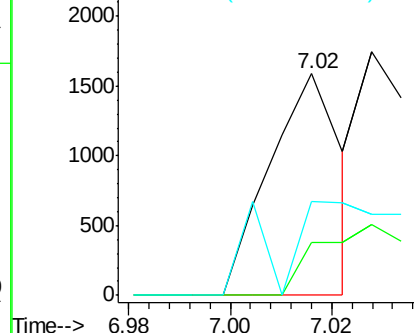
71 42.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM003414.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM003414.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM003414.D (-639) (-)



#9

Benzaldehyde

Concen: 24.83 ng

RT: 7.03 min Scan# 670

Delta R.T. 0.02 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

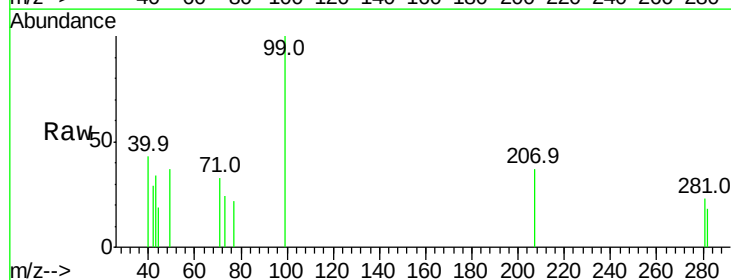
Tgt Ion: 77 Resp: 259

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

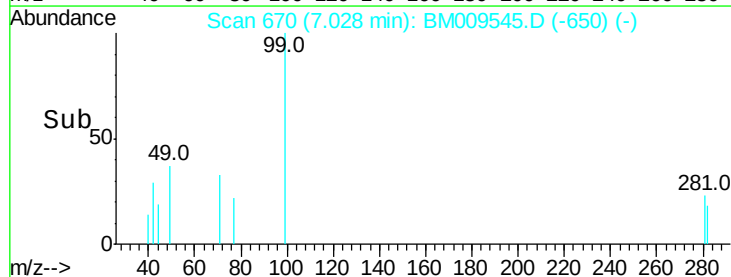
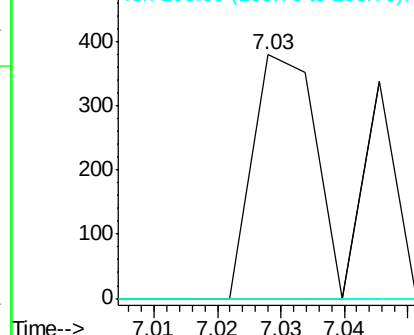
106 0.0 73.7 113.7#

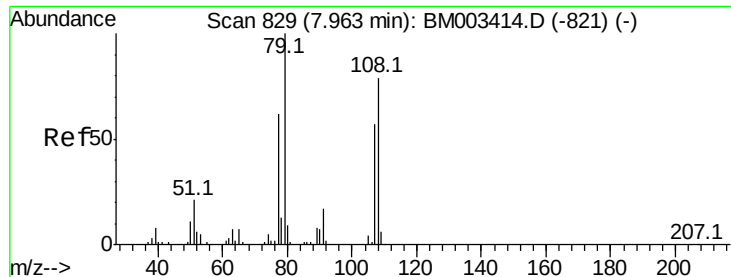


Abundance Ion 77.00 (76.70 to 77.70): BM003414.D (-635) (-)

Ion 105.00 (104.70 to 105.70): BM003414.D (-635) (-)

Ion 106.00 (105.70 to 106.70): BM003414.D (-635) (-)





#15

Benzyl Alcohol

Concen: 23.56 ng

RT: 8.11 min Scan# 854

Delta R.T. 0.01 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

Instrument :

BNA_M

ClientSampleId :

LSS-SP03-COMP

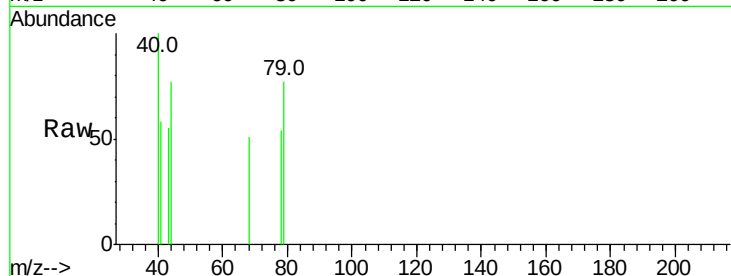
Tot Ion: 79 Resp: 273

Ion Ratio Lower Upper

79 100

108 0.0 65.0 97.4#

77 0.0 53.0 79.6#



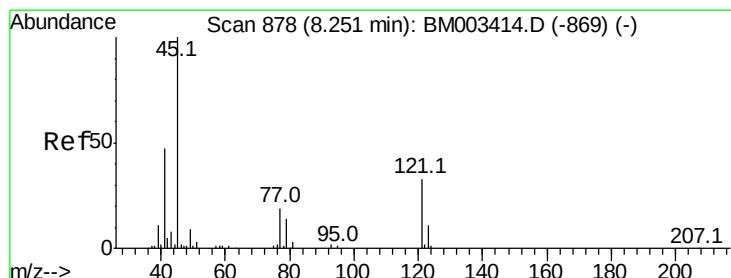
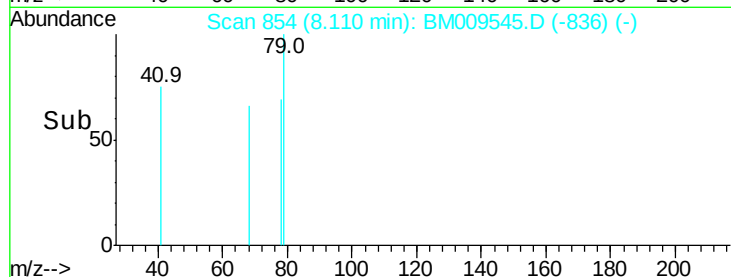
Abundance Ion 79.00 (78.70 to 79.70): BM003414.D (-821) (-)

Ion 108.00 (107.70 to 108.70): BM003414.D (-821) (-)

Ion 77.00 (76.70 to 77.70): BM003414.D (-821) (-)

8.11

Time-->



#16

2,2'-oxybis(1-Chloropropane)

Concen: 18.04 ng

RT: 8.41 min Scan# 905

Delta R.T. 0.02 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

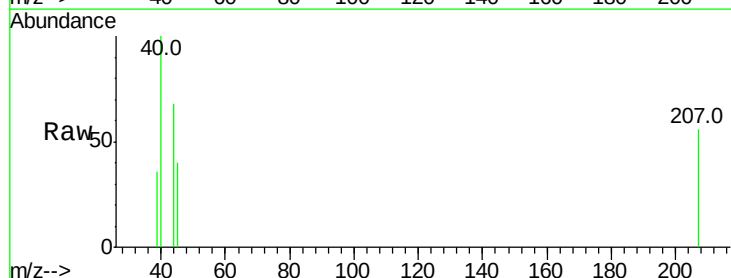
Tgt Ion: 45 Resp: 369

Ion Ratio Lower Upper

45 100

77 0.0 0.0 35.2

79 0.0 0.0 32.0



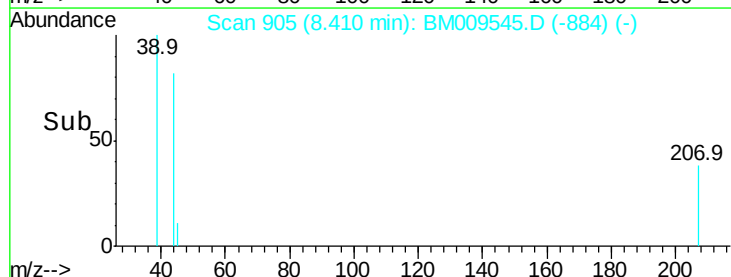
Abundance Ion 45.00 (44.70 to 45.70): BM003414.D (-869) (-)

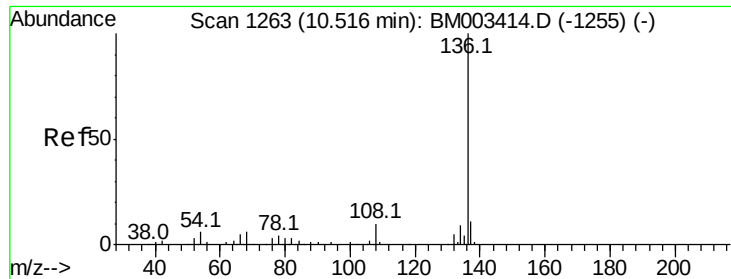
Ion 77.00 (76.70 to 77.70): BM003414.D (-869) (-)

Ion 79.00 (78.70 to 79.70): BM003414.D (-869) (-)

8.41

Time-->

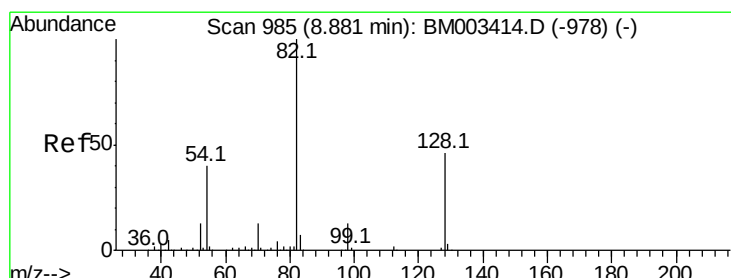
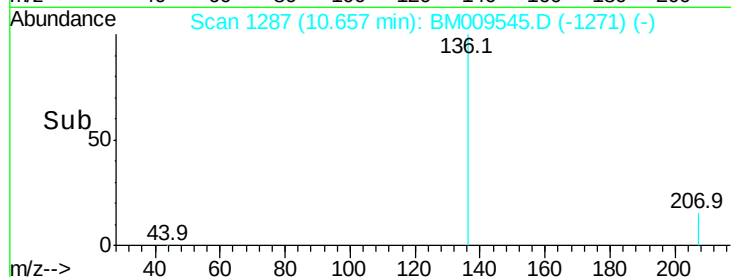
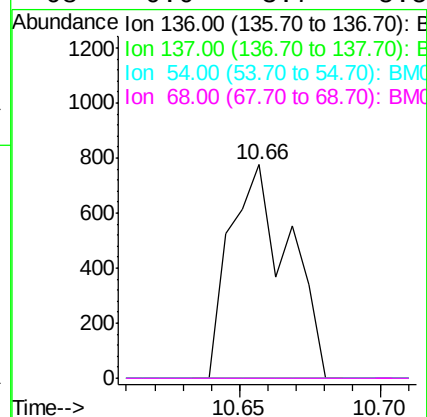
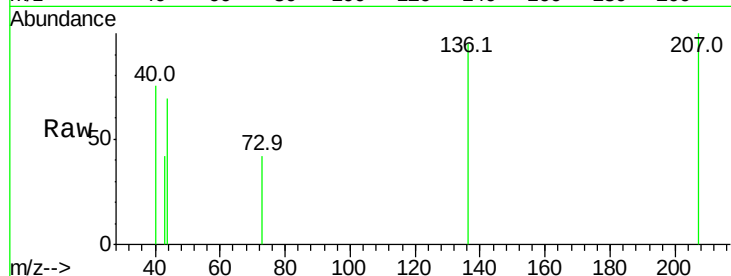




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BM009545.D
Acq: 05 Apr 2017 00:27

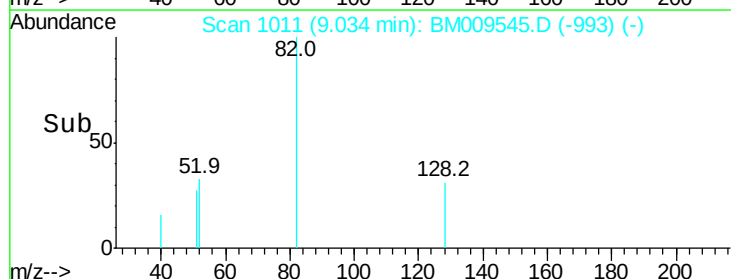
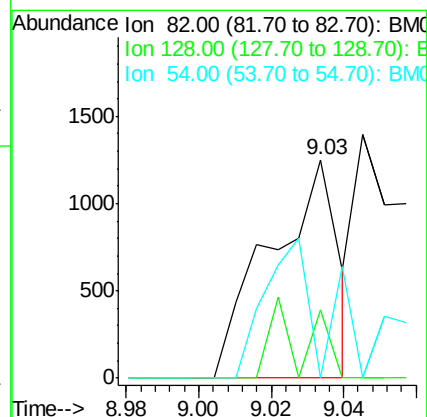
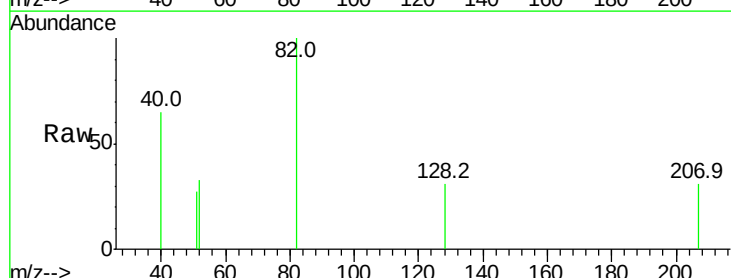
Instrument :
BNA_M
ClientSampleId :
LSS-SP03-COMP

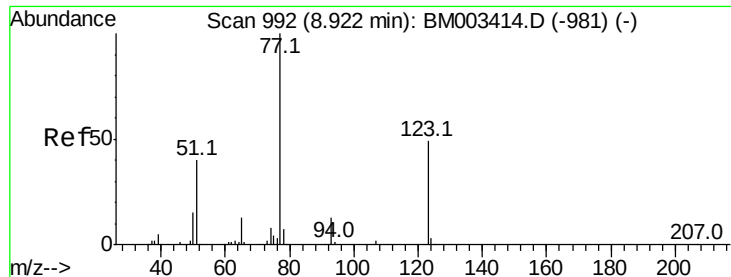
Tot Ion:136	Resp:	1122
Ion	Ratio	Lower Upper
136	100	
137	0.0	8.7 13.1#
54	0.0	4.6 6.8#
68	0.0	3.7 5.5#



#23
Nitrobenzene-d5
Concen: 54.30 ng
RT: 9.03 min Scan# 1011
Delta R.T. 0.01 min
Lab File: BM009545.D
Acq: 05 Apr 2017 00:27

Tgt Ion: 82	Resp:	1625
Ion	Ratio	Lower Upper
82	100	
128	31.5	32.8 49.2#
54	0.0	40.6 60.8#





#24

Nitrobenzene

Concen: 3.68 ng

RT: 9.00 min Scan# 1005

Delta R.T. -0.07 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

Instrument :

BNA_M

ClientSampleId :

LSS-SP03-COMP

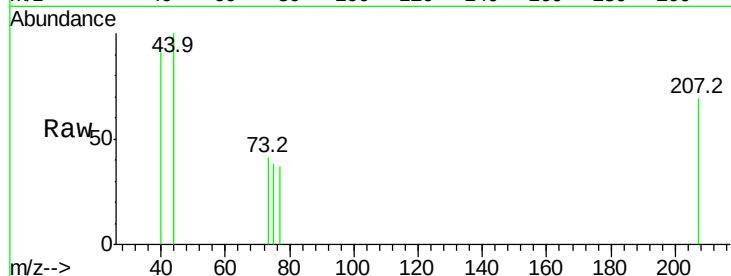
Tot Ion: 77 Resp: 108

Ion Ratio Lower Upper

77 100

123 0.0 32.6 49.0#

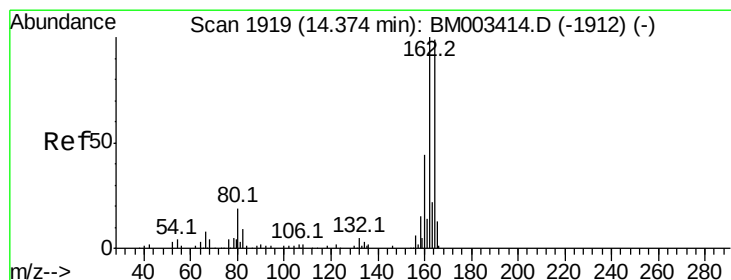
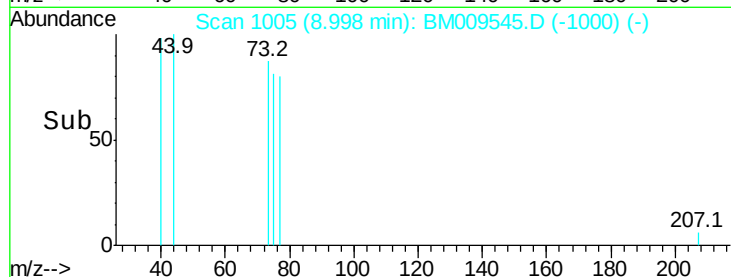
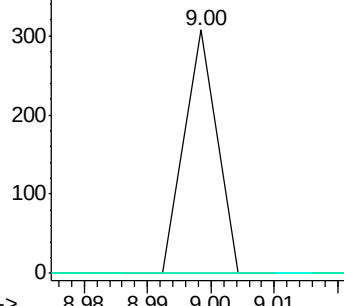
65 0.0 10.9 16.3#



Abundance Ion 77.00 (76.70 to 77.70): BM003414.D (-981) (-)

Ion 123.00 (122.70 to 123.70): BM003414.D (-981) (-)

Ion 65.00 (64.70 to 65.70): BM003414.D (-981) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.49 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

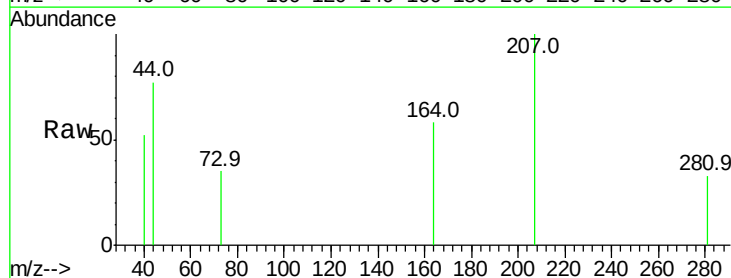
Tgt Ion: 164 Resp: 490

Ion Ratio Lower Upper

164 100

162 0.0 82.4 123.6#

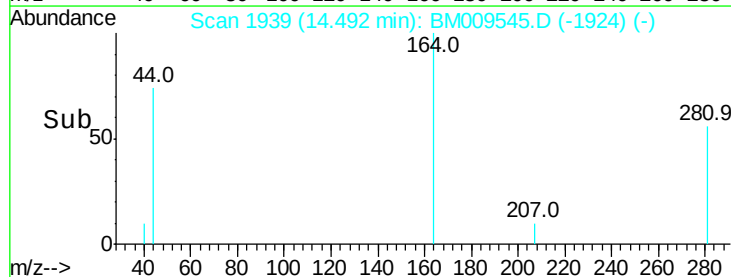
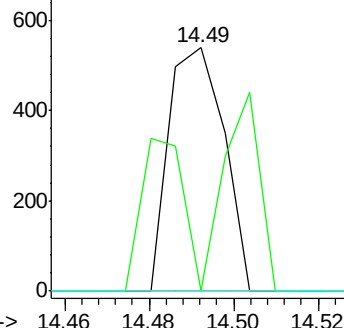
160 0.0 35.8 53.6#

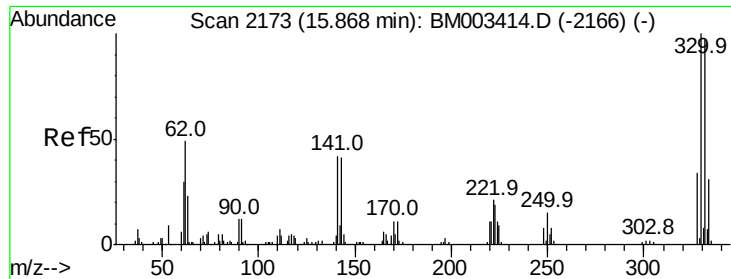


Abundance Ion 164.00 (163.70 to 164.70): BM003414.D (-1912) (-)

Ion 162.00 (161.70 to 162.70): BM003414.D (-1912) (-)

Ion 160.00 (159.70 to 160.70): BM003414.D (-1912) (-)

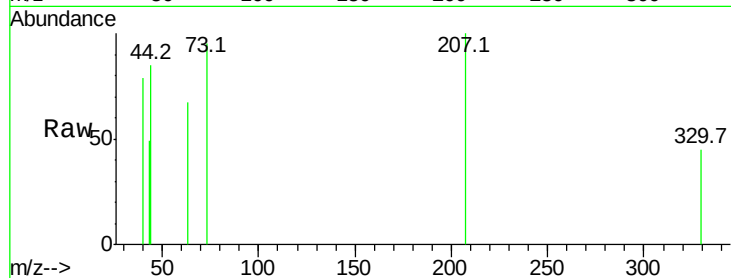




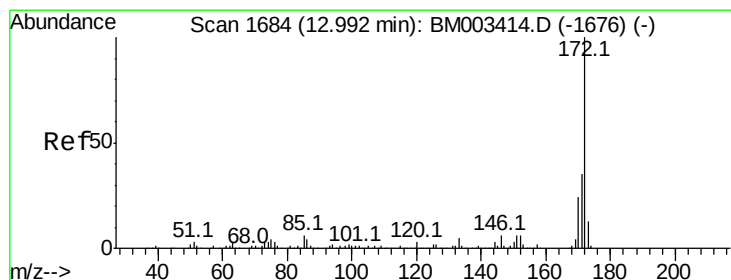
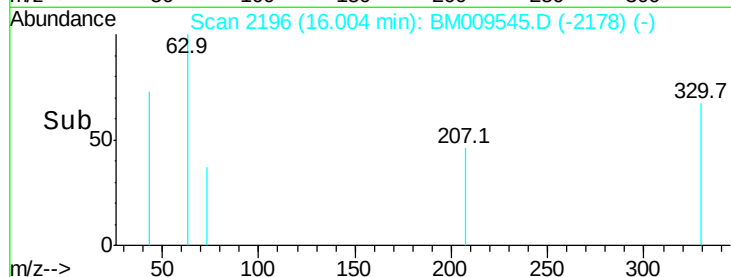
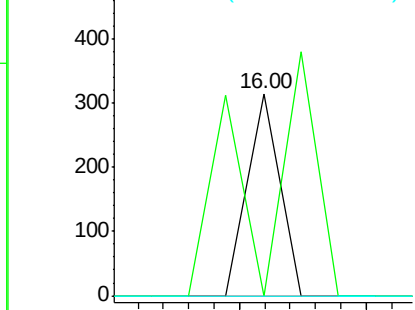
#41
 2,4,6-Tribromophenol
 Concen: 18.23 ng
 RT: 16.00 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BM009545.D
 Acq: 05 Apr 2017 00:27

Instrument :
 BNA_M
 ClientSampleId :
 LSS-SP03-COMP

Tot Ion:330 Resp: 111
 Ion Ratio Lower Upper
 330 100
 332 99.1 0.0 0.0#
 141 0.0 0.0 0.0

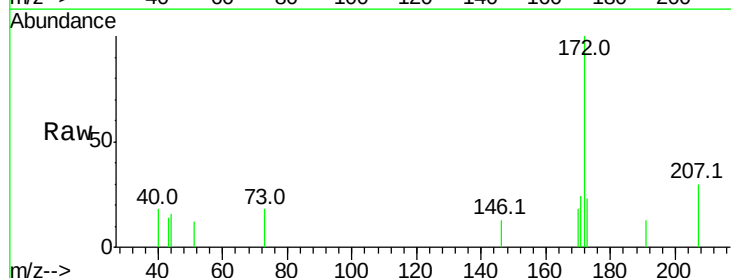


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

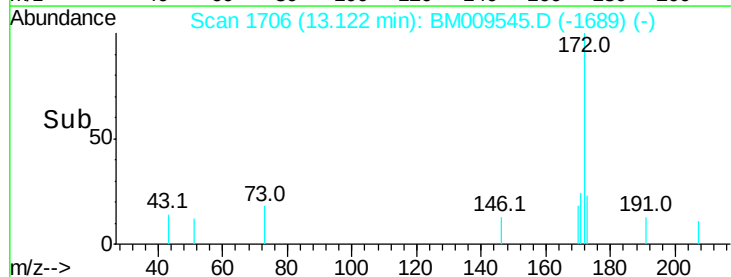
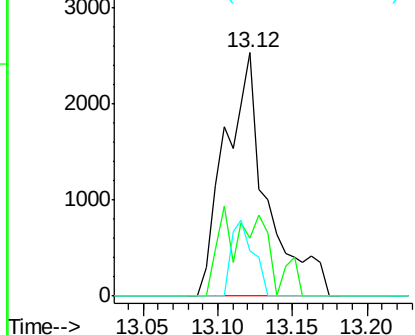


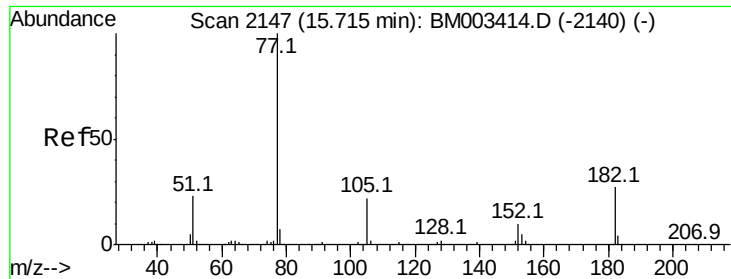
#44
 2-Fluorobiphenyl
 Concen: 121.77 ng
 RT: 13.12 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: BM009545.D
 Acq: 05 Apr 2017 00:27

Tgt Ion:172 Resp: 4952
 Ion Ratio Lower Upper
 172 100
 171 24.0 28.5 42.7#
 170 18.4 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





#62

Azobenzene

Concen: 3.86 ng

RT: 15.87 min Scan# 2173

Delta R.T. 0.03 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

Instrument :

BNA_M

ClientSampleId :

LSS-SP03-COMP

Tot Ion: 77 Resp: 172

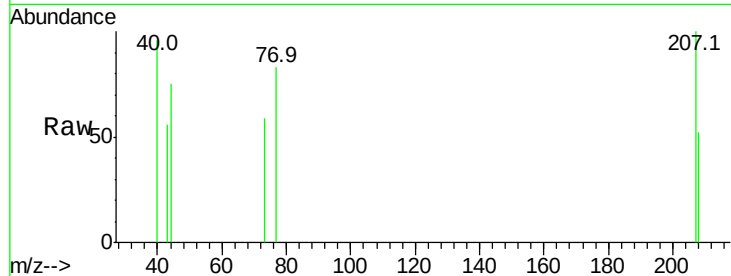
Ion Ratio Lower Upper

77 100

182 0.0 6.5 46.5#

105 0.0 3.8 43.8#

51 0.0 5.5 45.5#

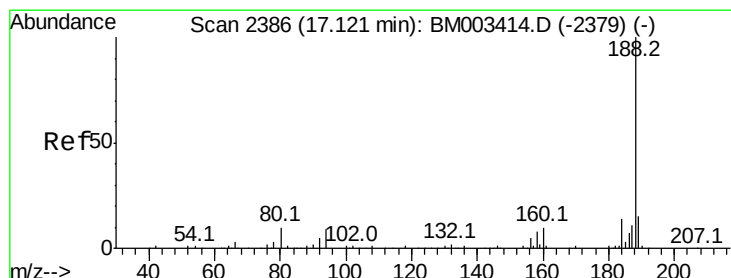
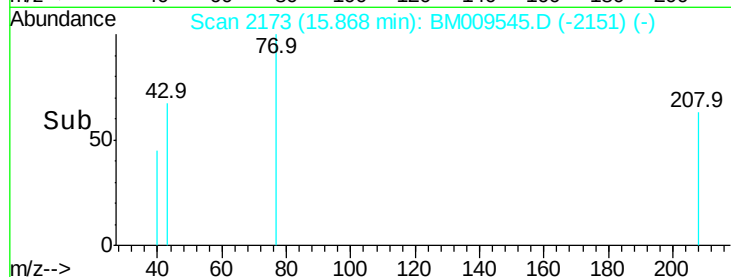
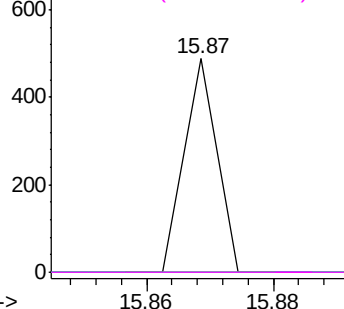


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.24 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

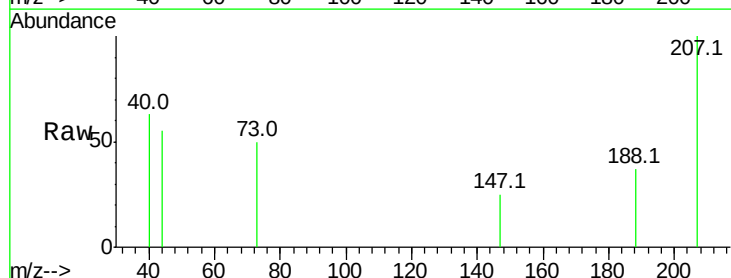
Tgt Ion: 188 Resp: 526

Ion Ratio Lower Upper

188 100

94 0.0 8.7 13.1#

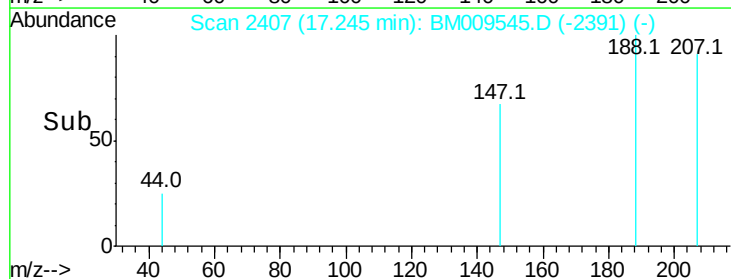
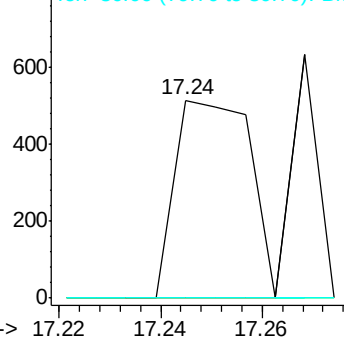
80 0.0 9.3 13.9#

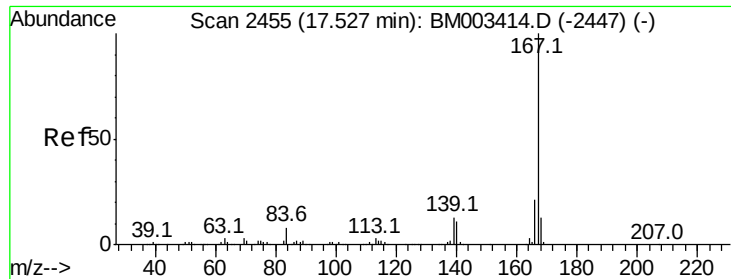


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#72

Carbazole

Concen: 4.39 ng

RT: 17.68 min Scan# 2481

Delta R.T. 0.02 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

Instrument :

BNA_M

ClientSampleId :

LSS-SP03-COMP

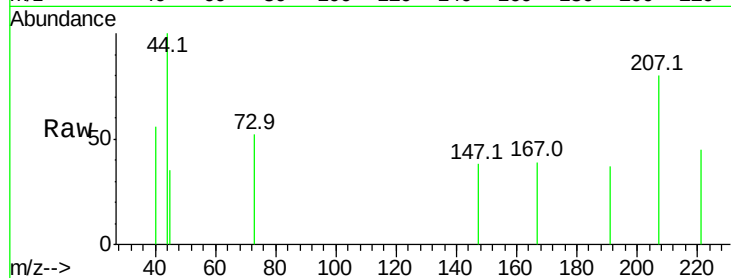
Tot Ion:167 Resp: 128

Ion Ratio Lower Upper

167 100

166 0.0 17.2 25.8#

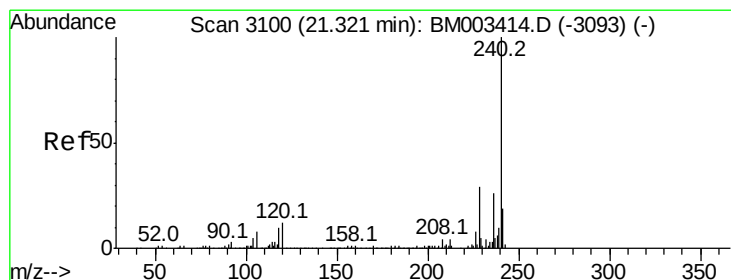
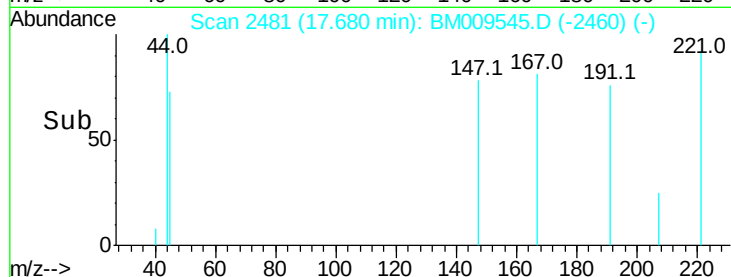
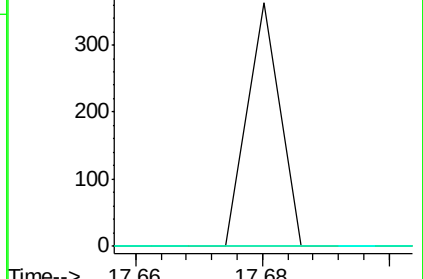
139 0.0 10.8 16.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.43 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

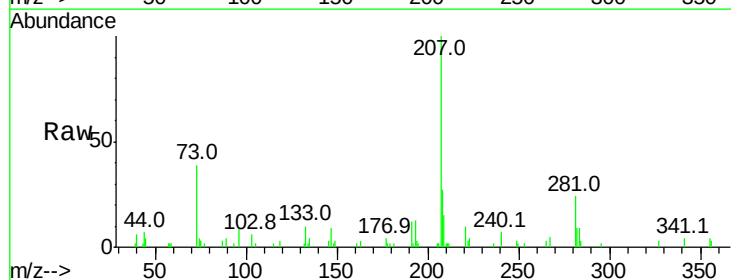
Tgt Ion:240 Resp: 1729

Ion Ratio Lower Upper

240 100

120 0.0 8.2 12.2#

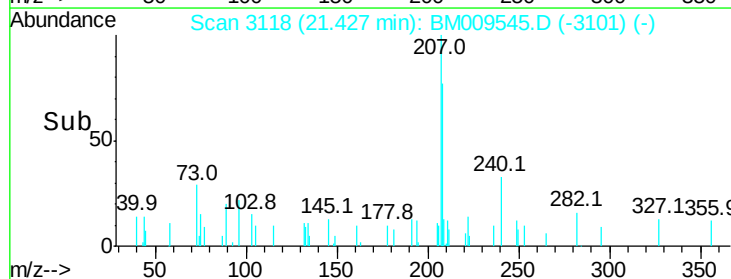
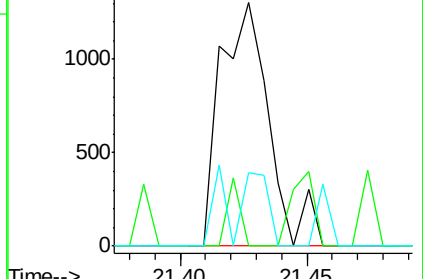
236 29.9 20.0 30.0

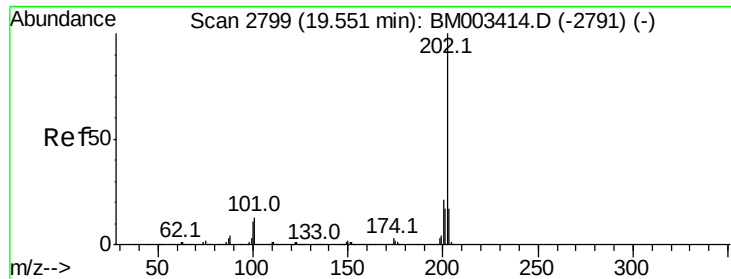


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

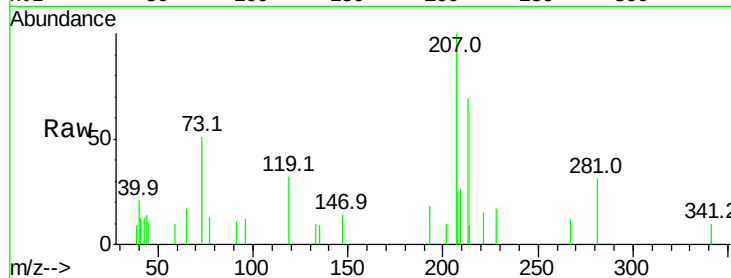




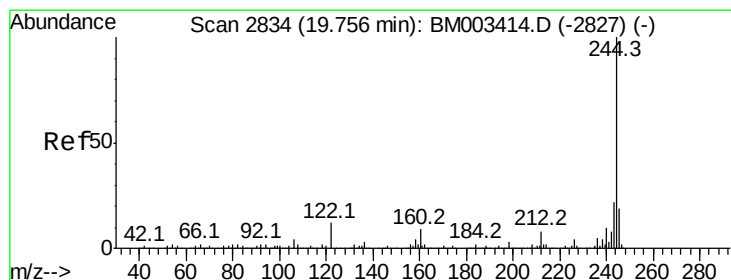
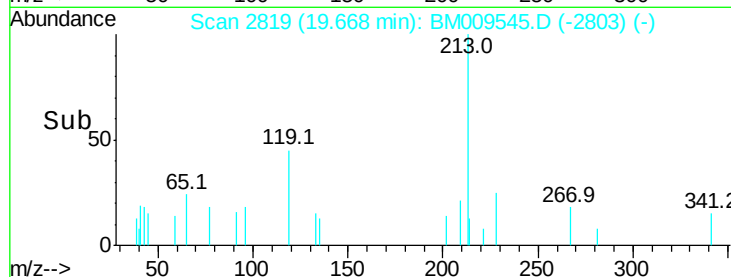
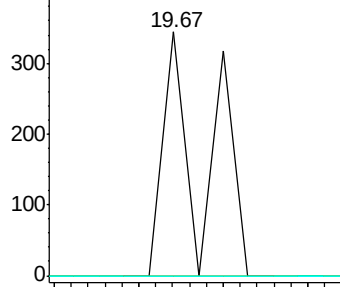
#77
 Pvrene
 Concen: 2.38 ng
 RT: 19.67 min Scan# 2819
 Delta R.T. -0.01 min
 Lab File: BM009545.D
 Acq: 05 Apr 2017 00:27

Instrument :
 BNA_M
 ClientSampleId :
 LSS-SP03-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.9	25.3#
203	0.0	14.1	21.1#

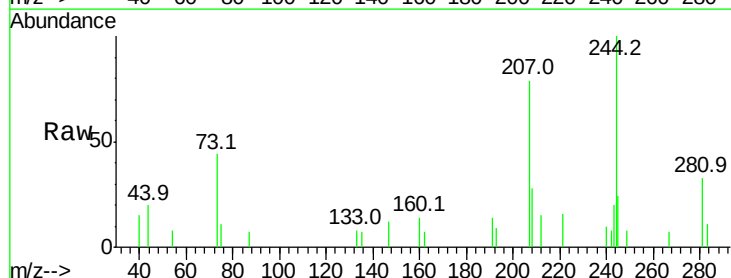


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

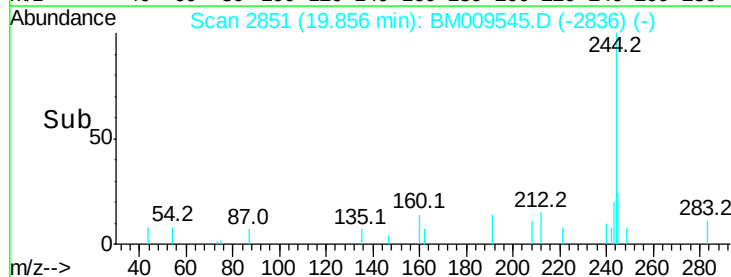
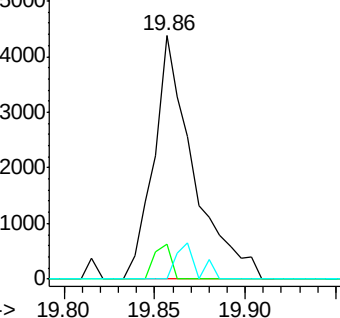


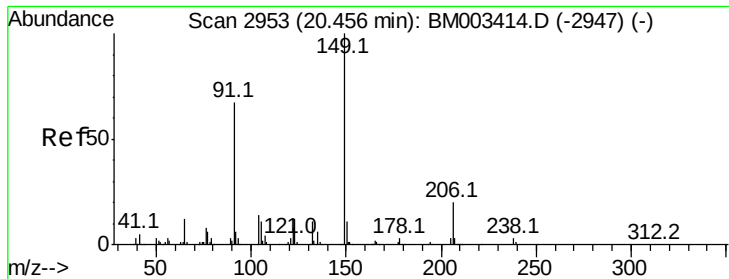
#78
 Terphenyl-d14
 Concen: 80.23 ng
 RT: 19.86 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BM009545.D
 Acq: 05 Apr 2017 00:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	14.6	4.9	7.3#
122	0.0	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





#79

Butylbenzylphthalate

Concen: 16.94 ng

RT: 20.55 min Scan# 2969

Delta R.T. -0.01 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

Instrument :

BNA_M

ClientSampleId :

LSS-SP03-COMP

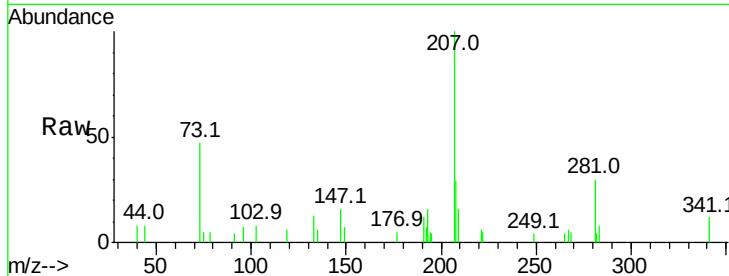
Tot Ion:149 Resp: 598

Ion Ratio Lower Upper

149 100

91 61.0 50.1 75.1

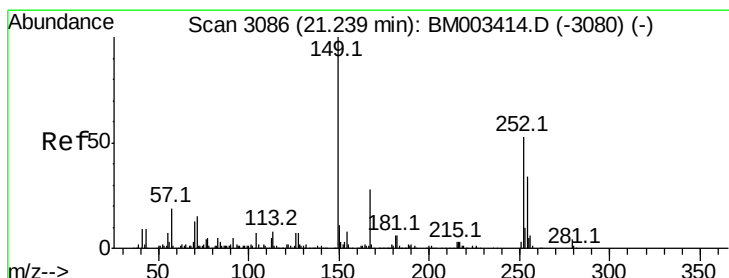
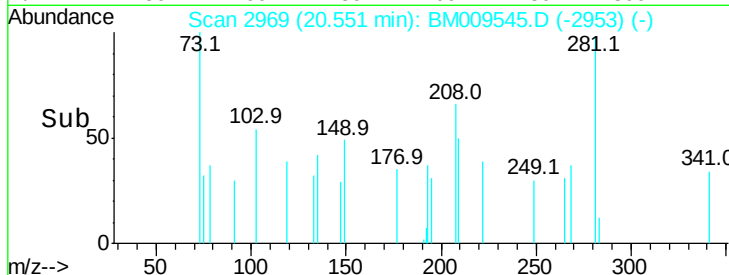
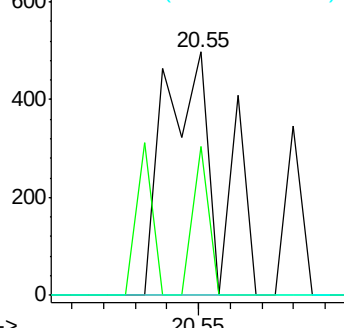
206 0.0 16.2 24.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#81

3,3'-Dichlorobenzidine

Concen: 3.78 ng

RT: 21.37 min Scan# 3109

Delta R.T. 0.03 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

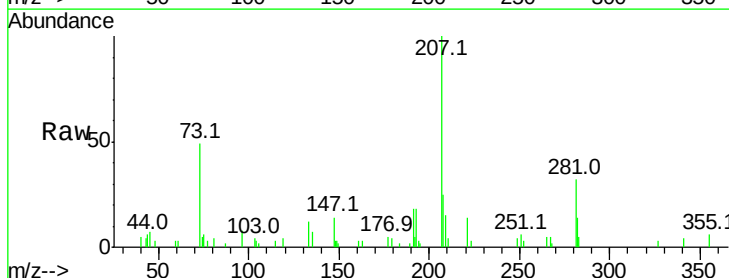
Tgt Ion:252 Resp: 143

Ion Ratio Lower Upper

252 100

254 0.0 51.9 77.9#

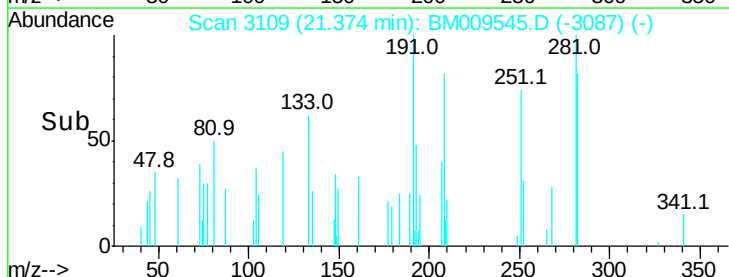
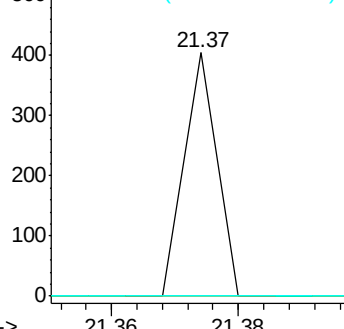
126 0.0 9.8 14.8#

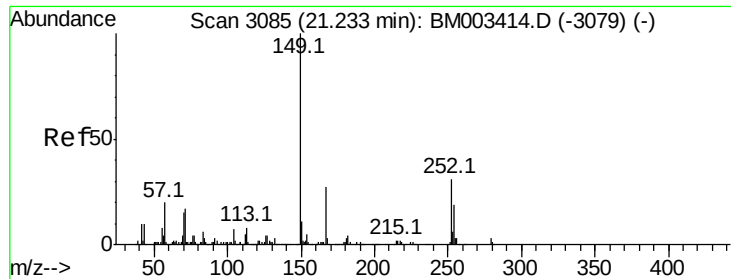


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 24.94 ng

RT: 21.33 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

Instrument :

BNA_M

ClientSampleId :

LSS-SP03-COMP

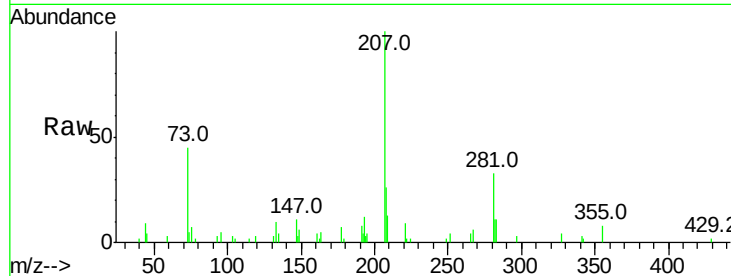
Tot Ion:149 Resp: 1314

Ion Ratio Lower Upper

149 100

167 0.0 22.4 33.6#

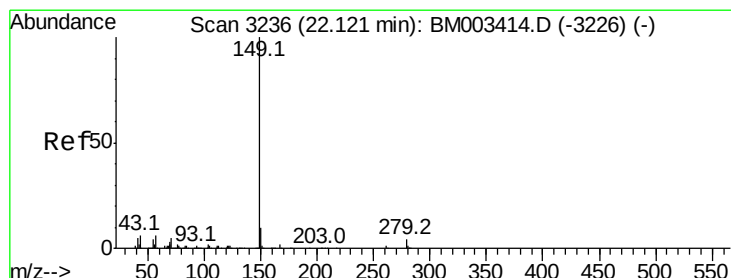
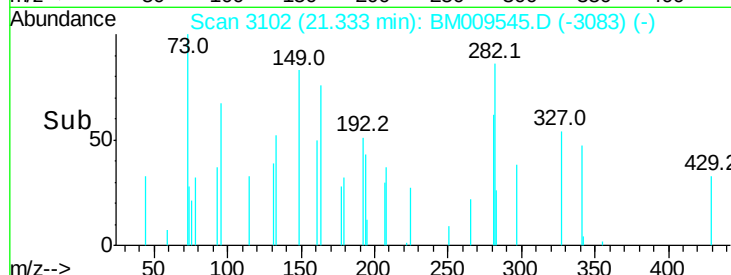
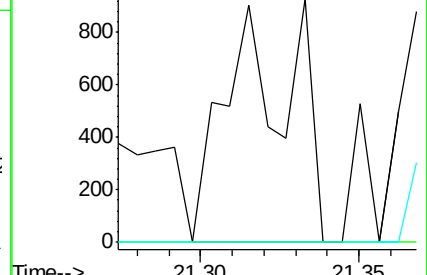
279 0.0 3.4 5.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 8.39 ng

RT: 22.22 min Scan# 3252

Delta R.T. -0.01 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

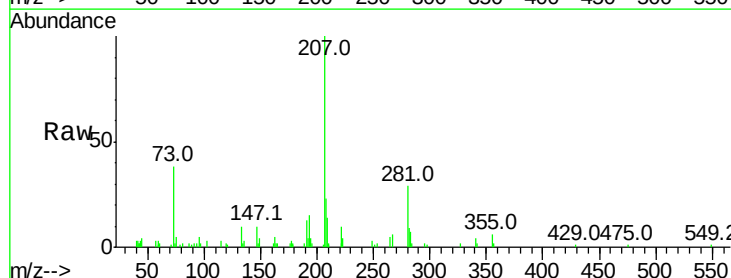
Tgt Ion:149 Resp: 736

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

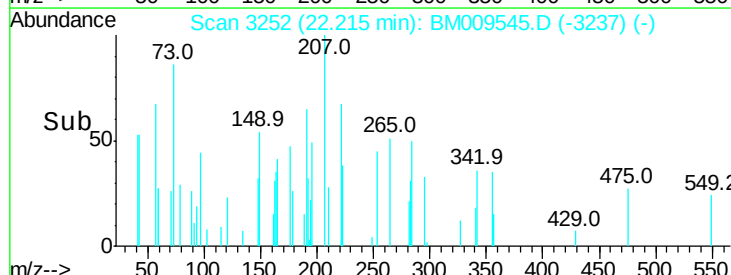
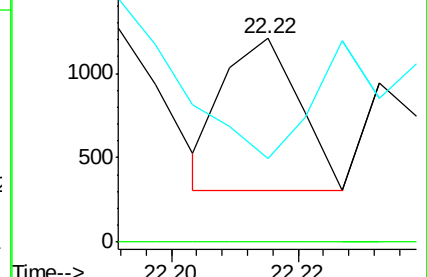
43 291.3 7.3 10.9#

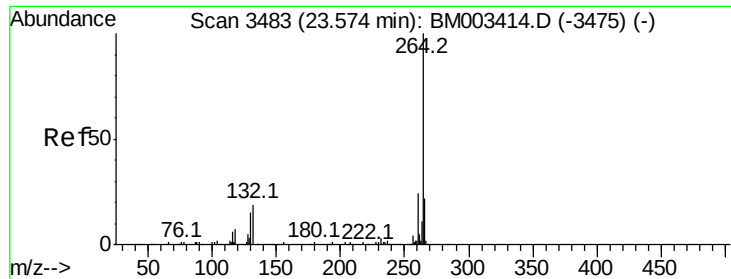


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0

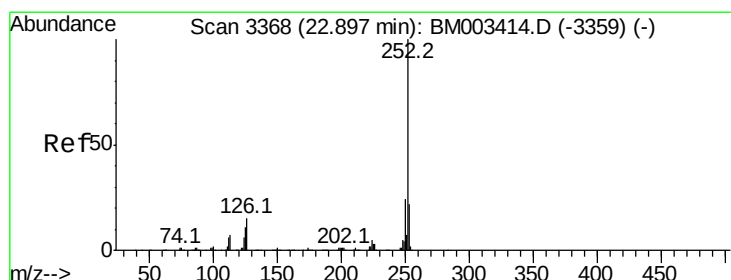
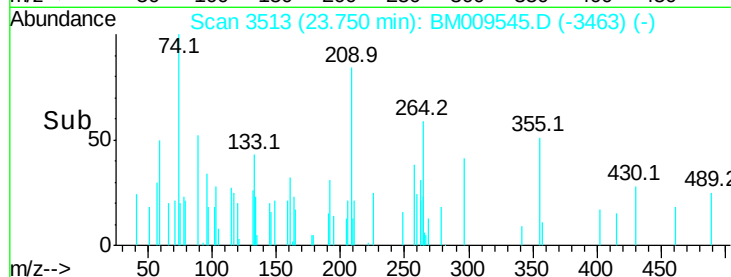
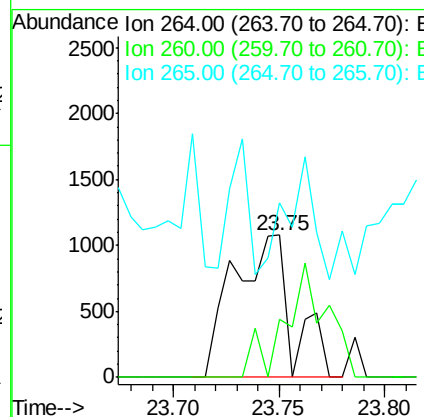
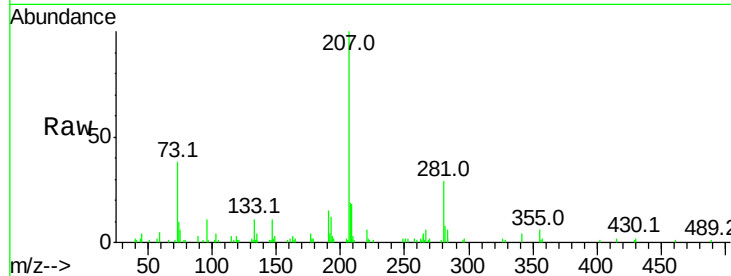




#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.75 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM009545.D
Acq: 05 Apr 2017 00:27

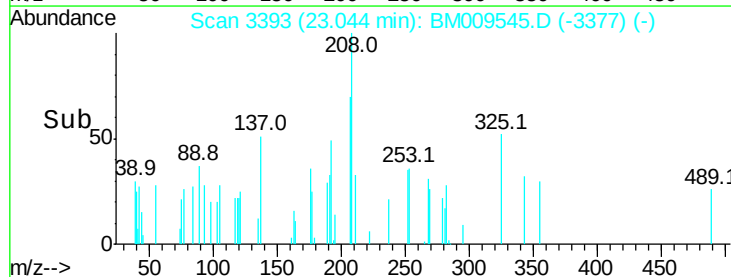
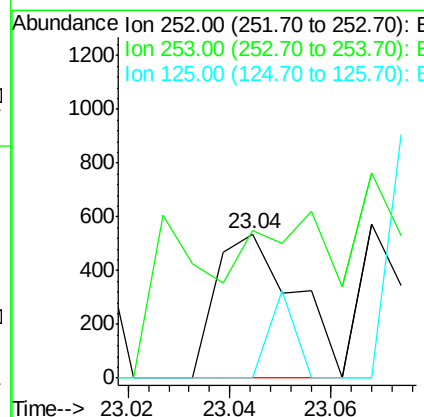
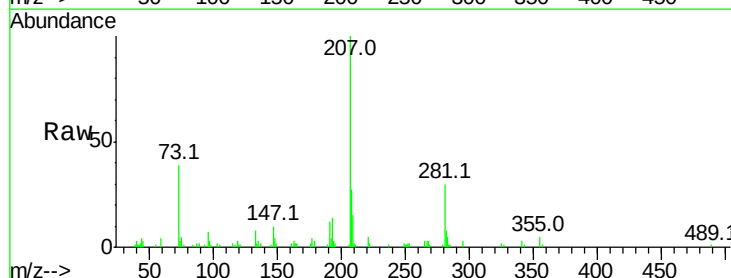
Instrument :
BNA_M
ClientSampleId :
LSS-SP03-COMP

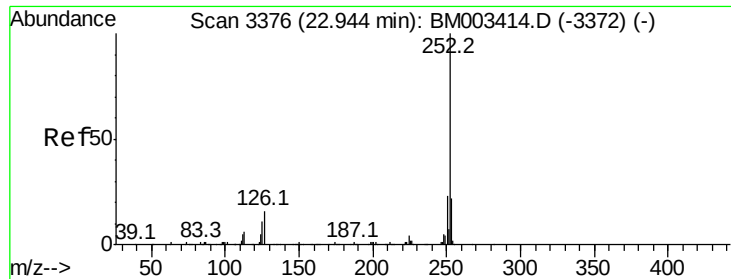
Tot Ion:264 Resp: 2100
Ion Ratio Lower Upper
264 100
260 40.4 18.6 27.8#
265 122.8 17.3 25.9#



#87
Benzo(b)fluoranthene
Concen: 4.37 ng
RT: 23.04 min Scan# 3393
Delta R.T. -0.01 min
Lab File: BM009545.D
Acq: 05 Apr 2017 00:27

Tgt Ion:252 Resp: 582
Ion Ratio Lower Upper
252 100
253 102.4 18.0 27.0#
125 0.0 9.9 14.9#





#88

Benzo(k)fluoranthene

Concen: 4.56 ng

RT: 23.07 min Scan# 3397

Delta R.T. -0.03 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

Instrument :

BNA_M

ClientSampleId :

LSS-SP03-COMP

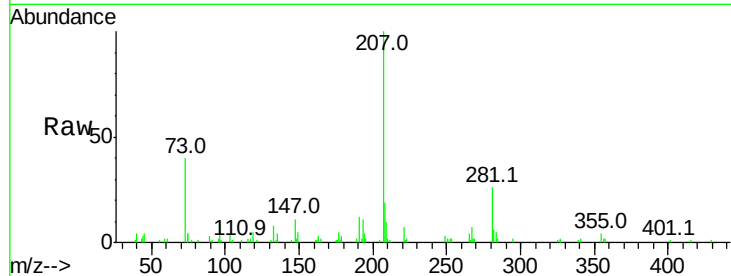
Tot Ion:252 Resp: 584

Ion Ratio Lower Upper

252 100

253 133.2 17.2 25.8#

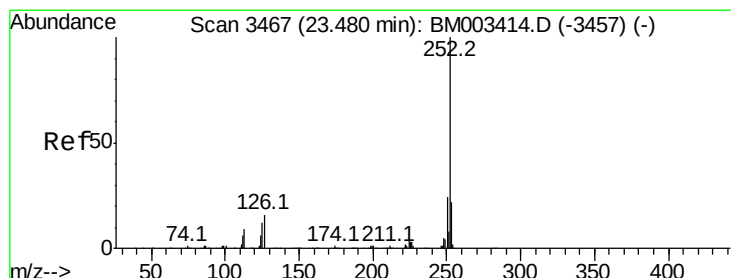
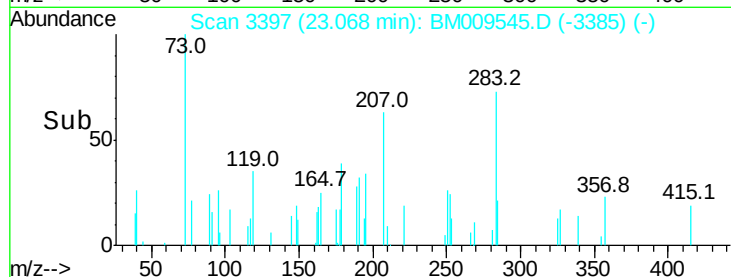
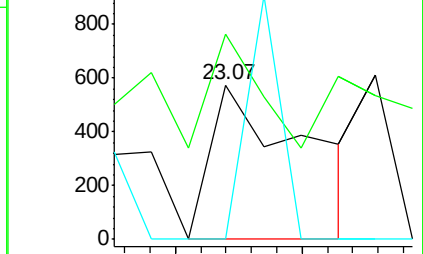
125 0.0 8.1 12.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 5.63 ng

RT: 23.64 min Scan# 3494

Delta R.T. -0.02 min

Lab File: BM009545.D

Acq: 05 Apr 2017 00:27

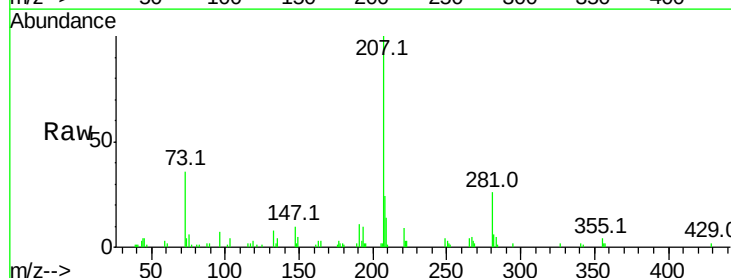
Tgt Ion:252 Resp: 694

Ion Ratio Lower Upper

252 100

253 0.0 17.6 26.4#

125 60.7 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

