

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

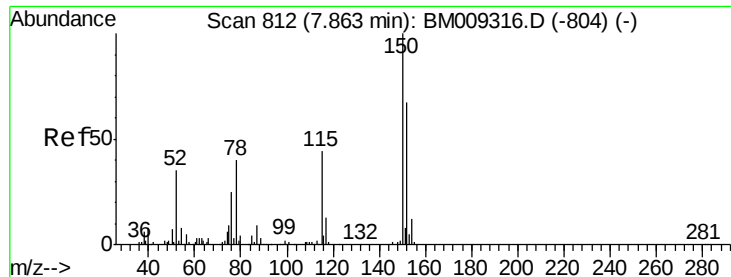
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	162	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	1122	20.00	ng	0.00
38) Acenaphthene-d10	14.49	164	490	20.00	ng	-0.01
63) Phenanthrene-d10	17.24	188	526	20.00	ng	0.00
75) Chrysene-d12	21.43	240	1729	20.00	ng	0.00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

```
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040517\  
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Sample    : I2495-13  
Misc      :  
ALS Vial  : 16      Sample Multiplier: 1
```



#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 :

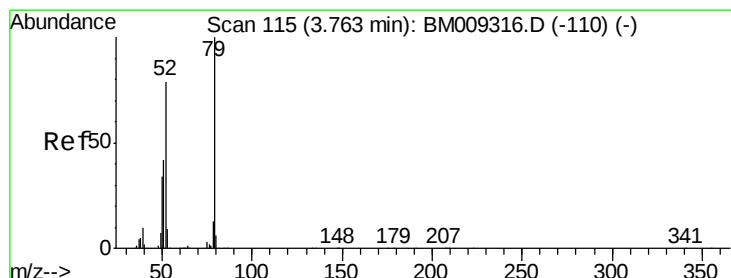
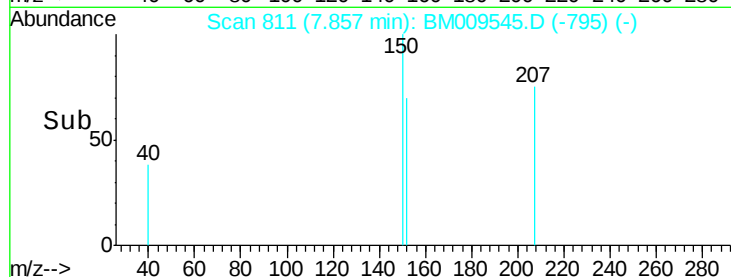
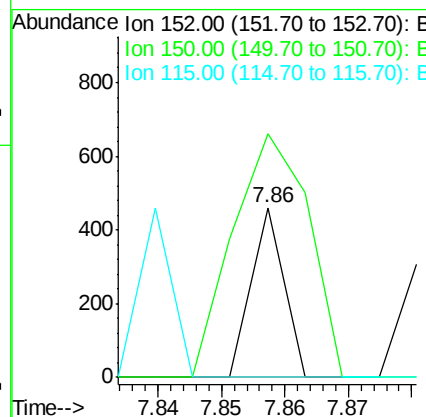
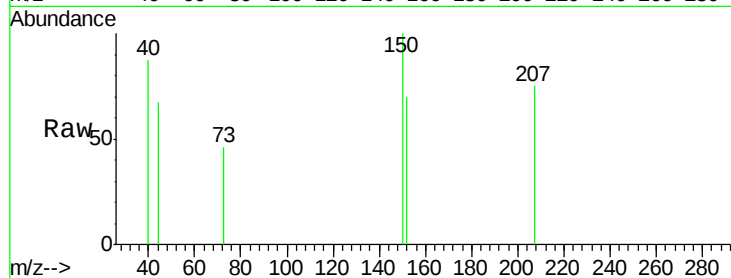
BNA_M

ClientSampleId :

LSS-SP03-COMP

Tgt 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

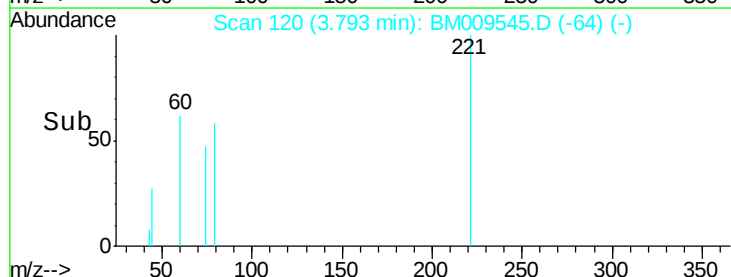
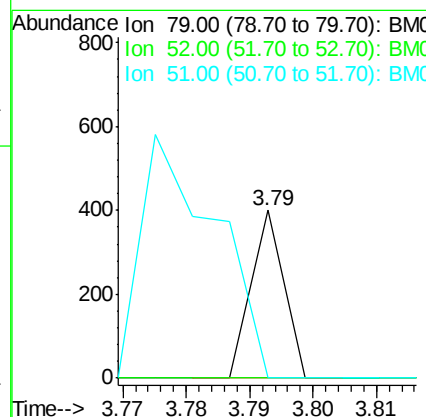
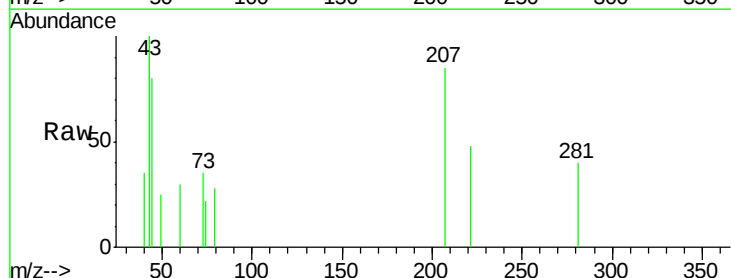
Delta R.T. 0.03 min

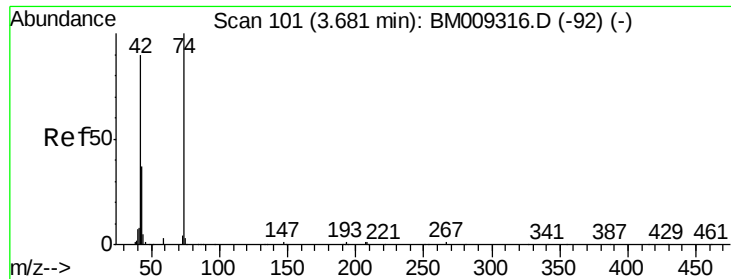
Lab File: BM009545.D

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

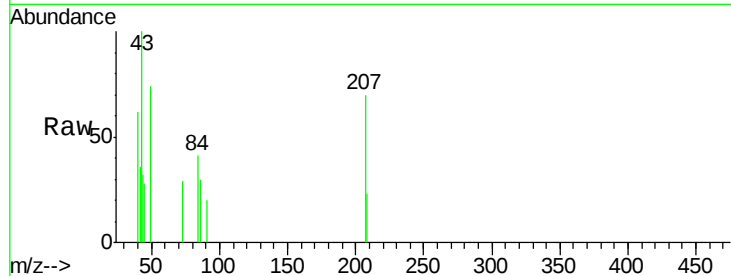
Tgt Ion: 42 Resp: 770

Ion Ratio Lower Upper

42 100

74 0.0 119.3 178.9#

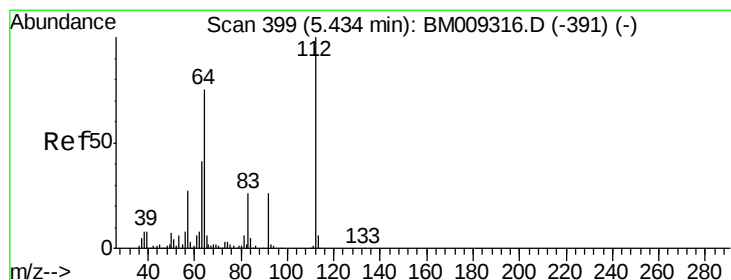
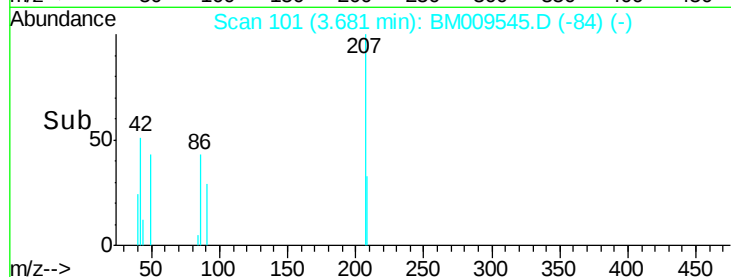
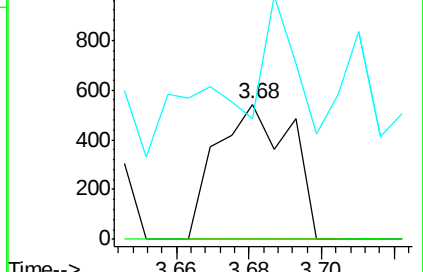
44 89.5 5.4 8.2#



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) (-)



#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

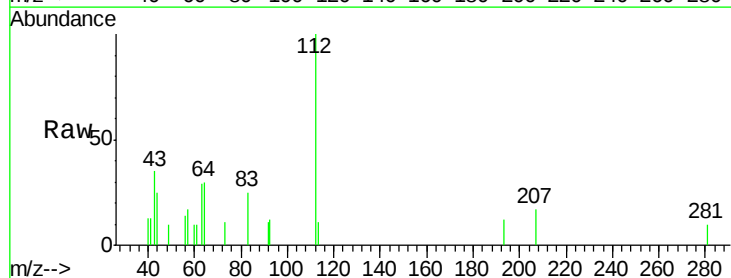
Tgt Ion: 112 Resp: 4233

Ion Ratio Lower Upper

112 100

64 29.6 38.6 57.8#

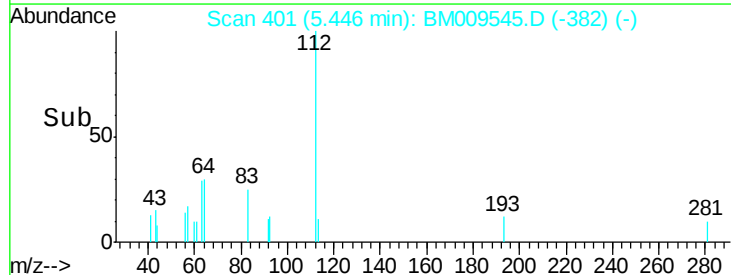
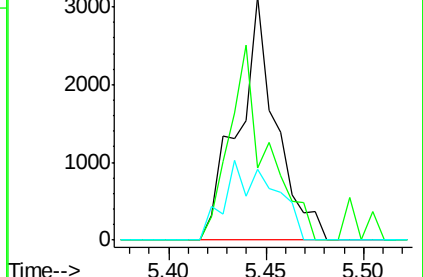
63 29.3 19.3 28.9#

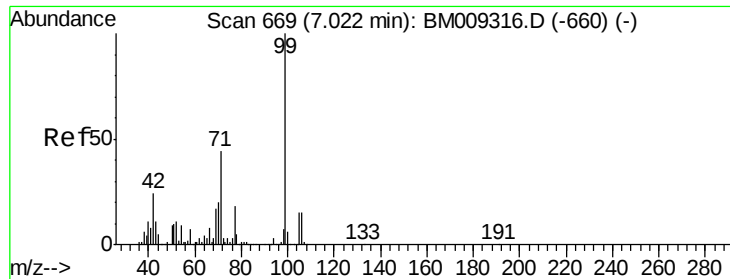


Abundance Ion 112.00 (111.70 to 112.70): BM009545.D (-382) (-)

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

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





#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

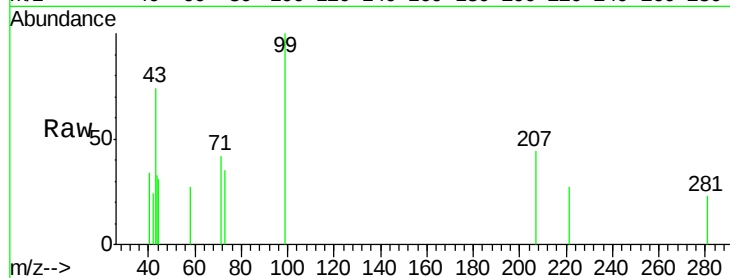
Tgt Ion: 99 Resp: 1557

Ion Ratio Lower Upper

99 100

42 24.0 11.0 16.4#

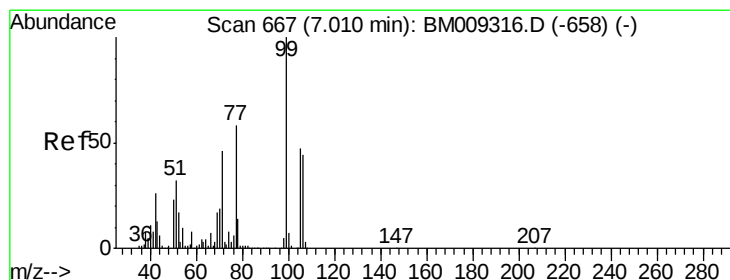
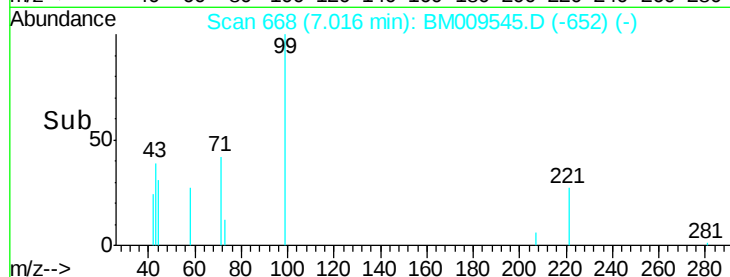
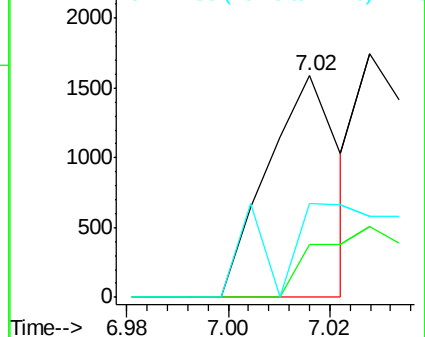
71 42.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM009316.D (-660) (-)

Ion 42.00 (41.70 to 42.70): BM009316.D (-660) (-)

Ion 71.00 (70.70 to 71.70): BM009316.D (-660) (-)



#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

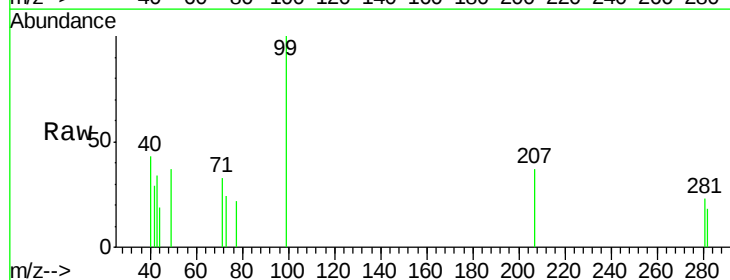
Tgt Ion: 77 Resp: 259

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

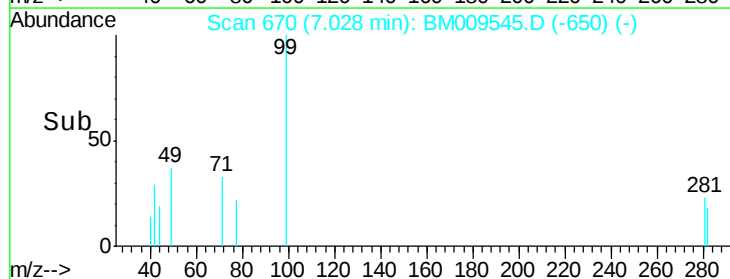
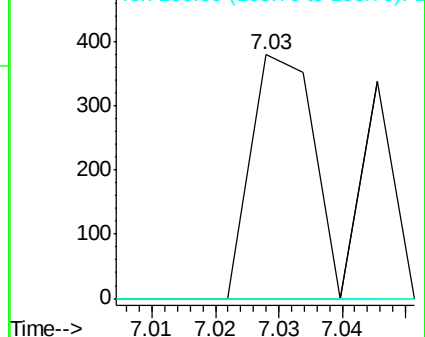
106 0.0 73.7 113.7#

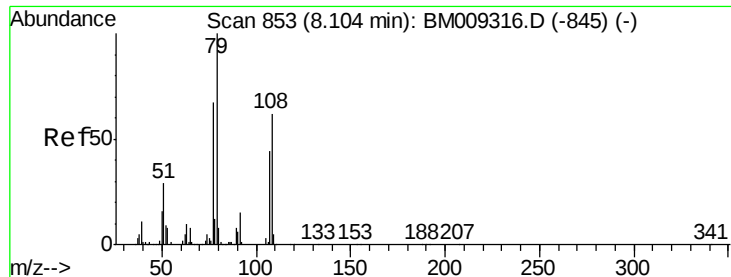


Abundance Ion 77.00 (76.70 to 77.70): BM009316.D (-658) (-)

Ion 105.00 (104.70 to 105.70): BM009316.D (-658) (-)

Ion 106.00 (105.70 to 106.70): BM009316.D (-658) (-)

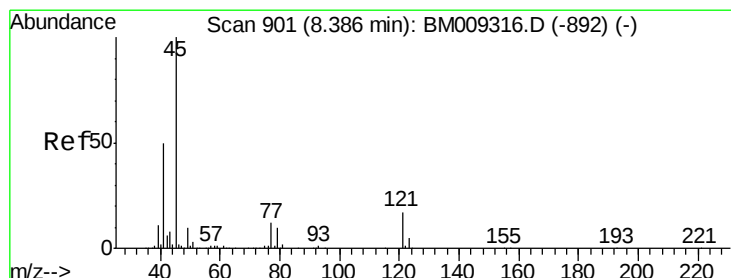
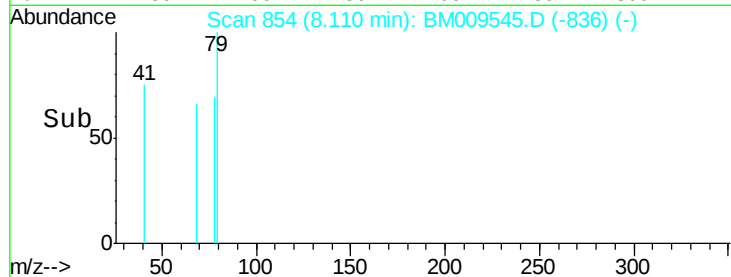
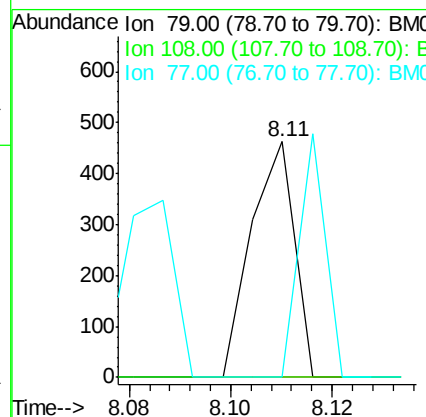
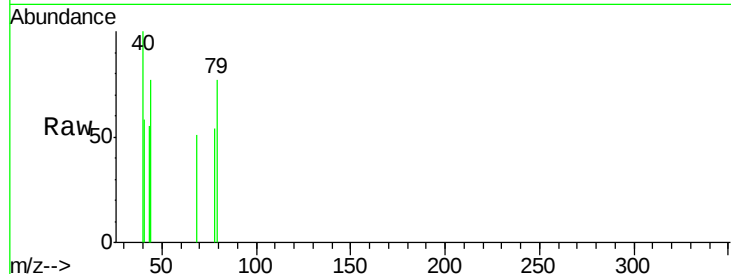




#15
Benzyl Alcohol
Concen: 23.56 ng
RT: 8.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BM009545.D
Acq: 05 Apr 2017 00:27

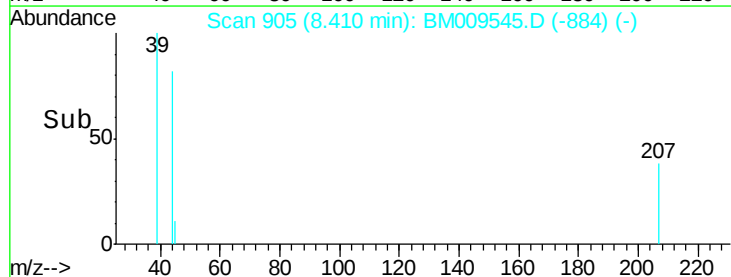
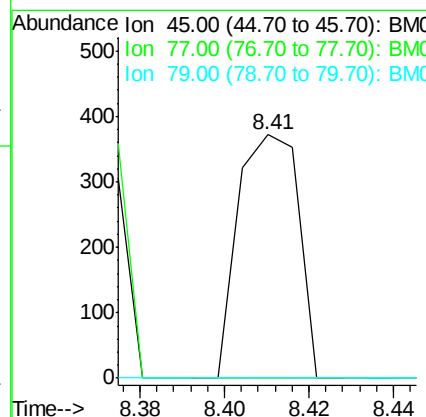
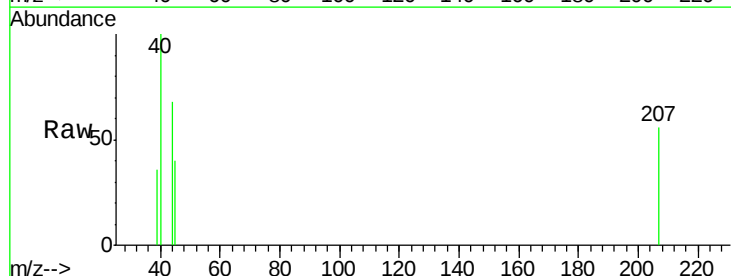
Instrument :
BNA_M
ClientSampleId :
LSS-SP03-COMP

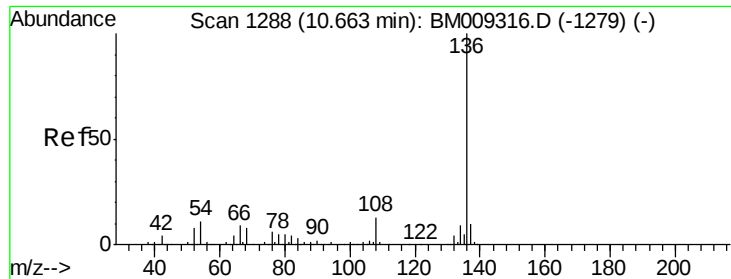
Tgt Ion: 79 Resp: 273
Ion Ratio Lower Upper
79 100
108 0.0 65.0 97.4#
77 0.0 53.0 79.6#



#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

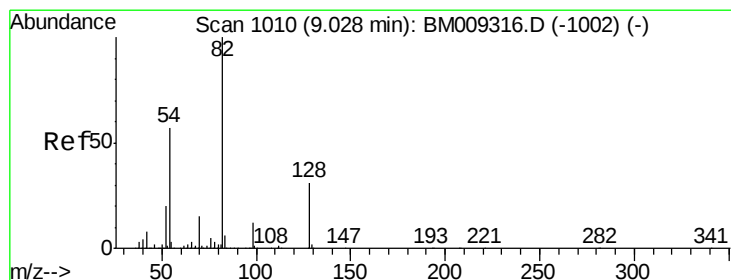
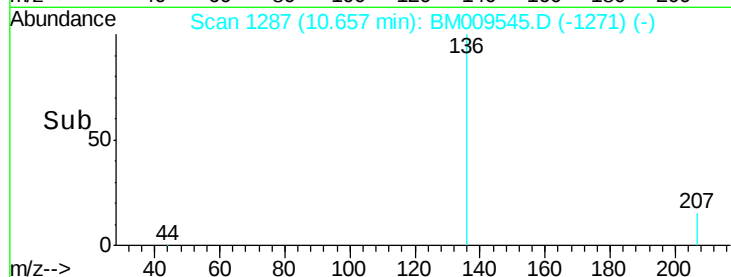
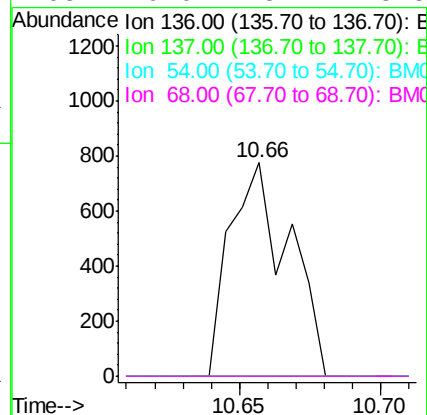
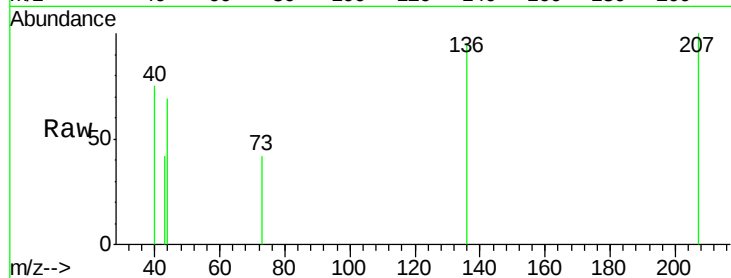




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BM009545.D
Acq: 05 Apr 2017 00:27

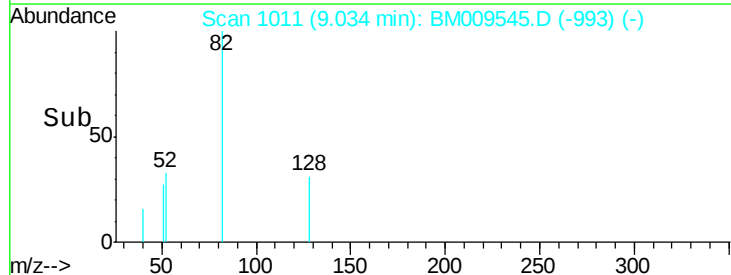
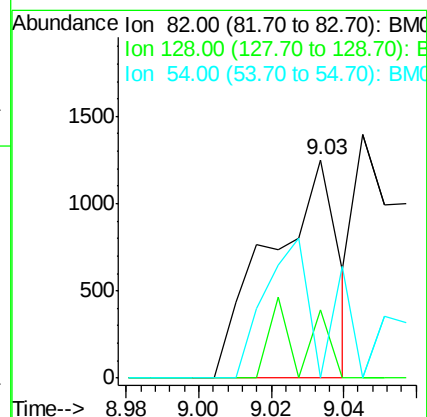
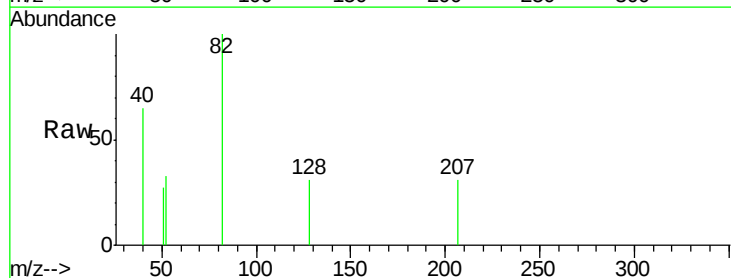
Instrument :
BNA_M
ClientSampleId :
LSS-SP03-COMP

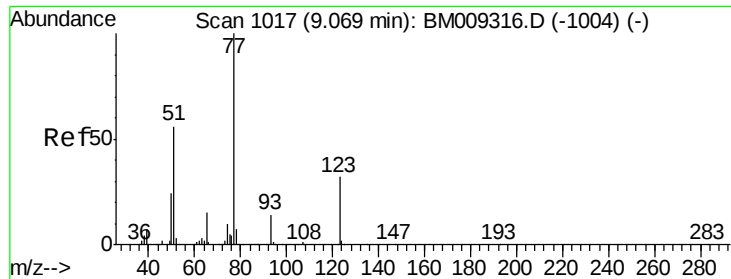
Tgt Ion: 136 Resp: 1122
Ion Ratio Lower Upper
136 100
137 0.0 8.7 13.1#
54 0.0 4.6 6.8#
68 0.0 3.7 5.5#



#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#

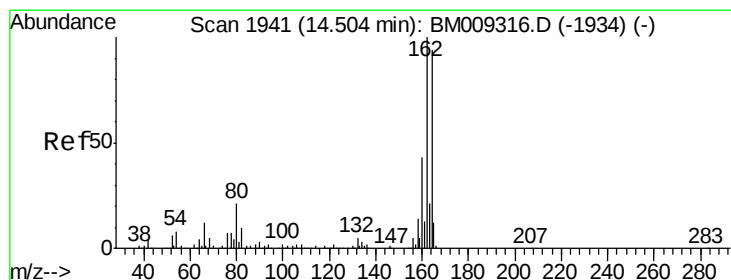
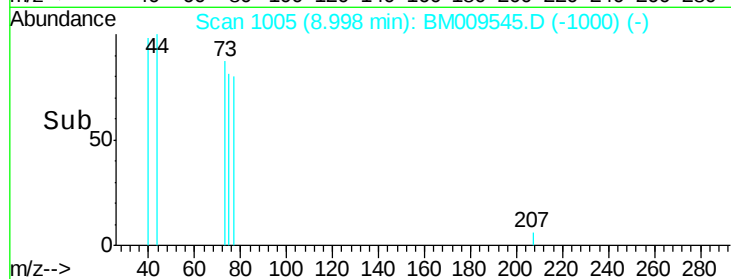
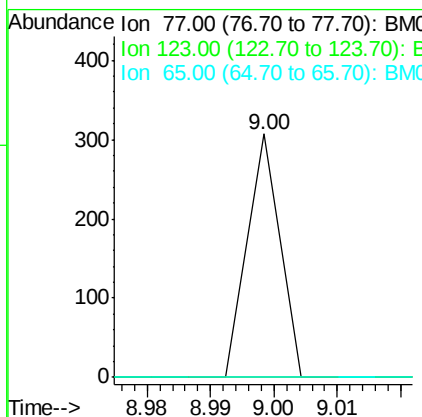
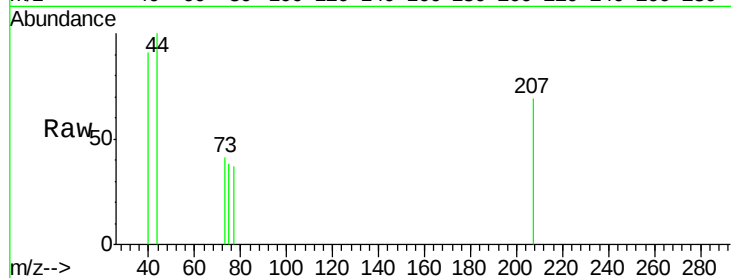




#24
 Nitrobenzene
 Concen: 3.68 ng
 RT: 9.00 min Scan# 1005
 Delta R.T. -0.07 min
 Lab File: BM009545.D
 Acq: 05 Apr 2017 00:27

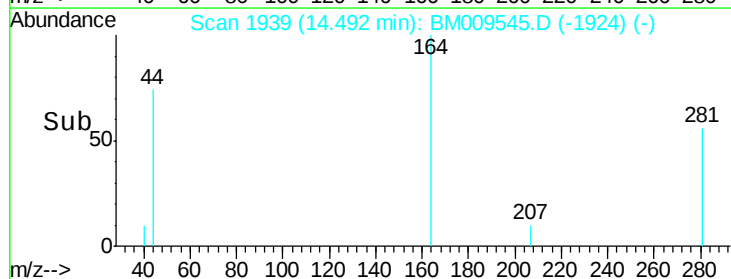
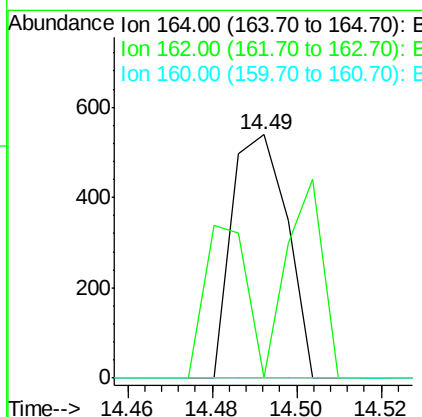
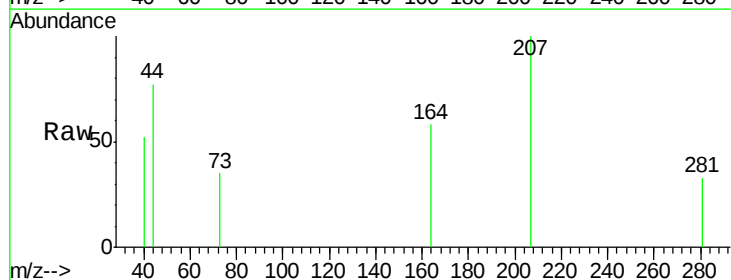
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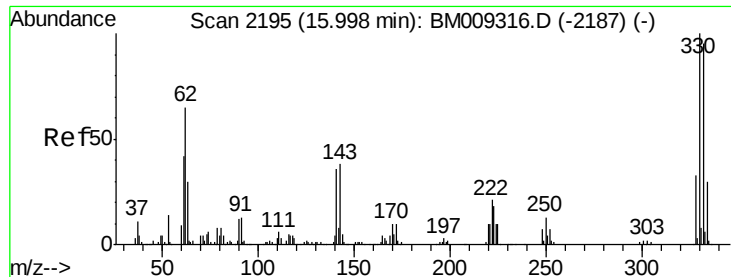
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.6	49.0#
65	0.0	10.9	16.3#



#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	Ratio	Lower	Upper
164	100		
162	0.0	82.4	123.6#
160	0.0	35.8	53.6#

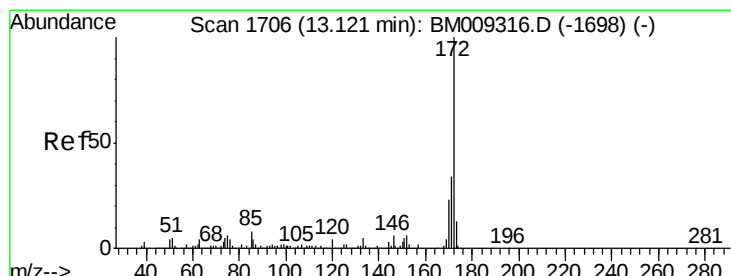
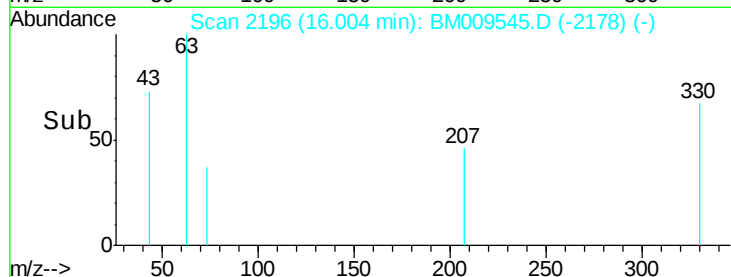
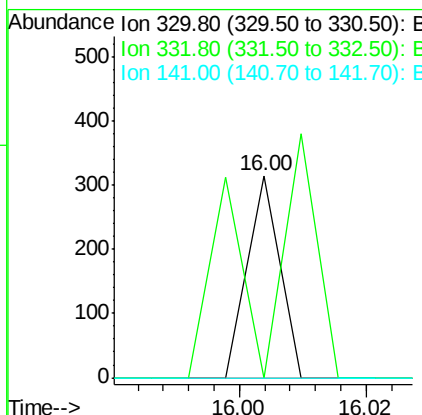
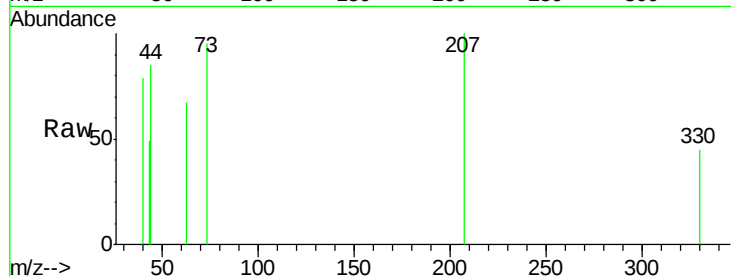




#41
 2,4,6-Tribromophenol
 Concen: 18.23 ng
 RT: 16.00 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BM009545.D
 Acq: 05 Apr 2017 00:27

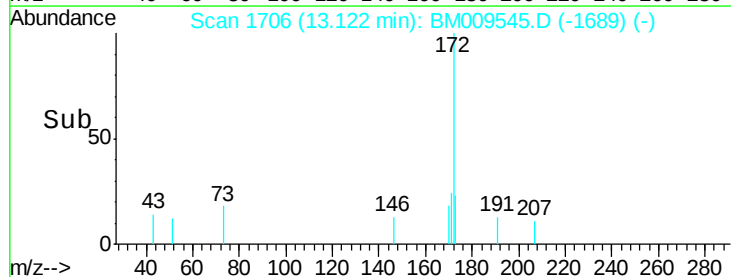
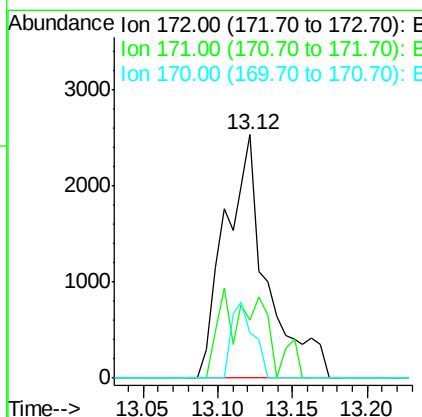
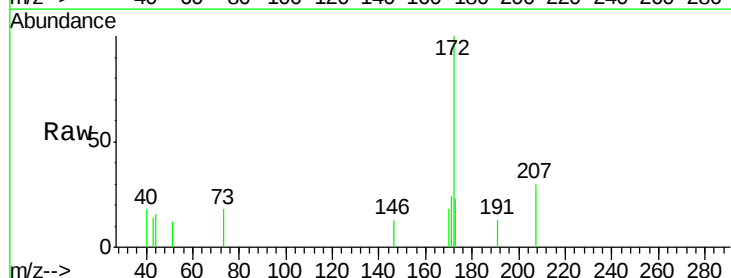
Instrument :
 BNA_M
 ClientSampleId :
 LSS-SP03-COMP

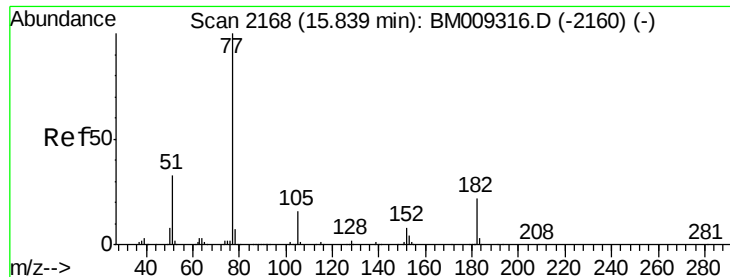
Tgt Ion: 330 Resp: 111
 Ion Ratio Lower Upper
 330 100
 332 99.1 0.0 0.0#
 141 0.0 0.0 0.0



#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#





#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

Tgt Ion: 77 Resp: 172

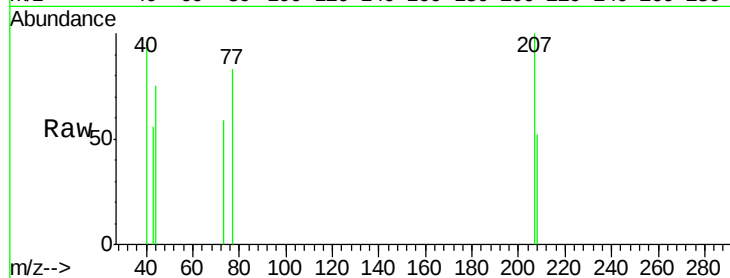
Ion Ratio Lower Upper

77 100

182 0.0 6.5 46.5#

105 0.0 3.8 43.8#

51 0.0 5.5 45.5#

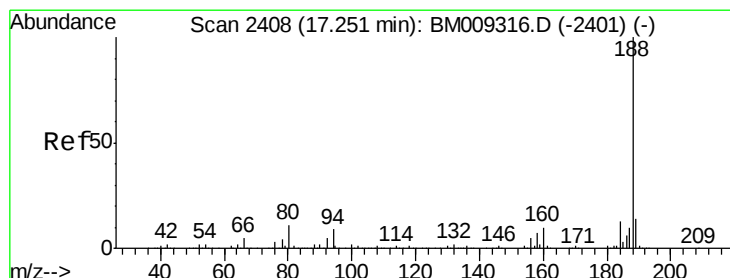
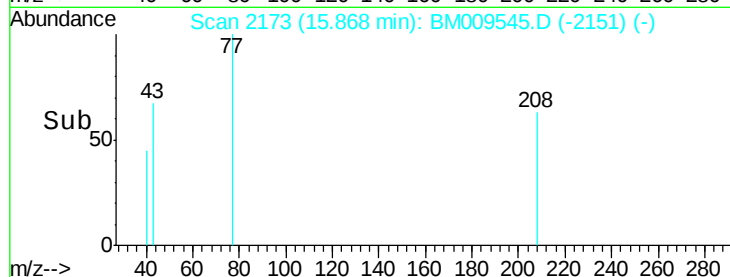
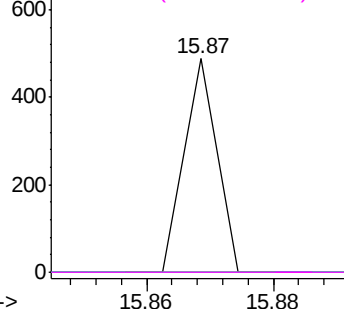


Abundance Ion 77.00 (76.70 to 77.70): BM0

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

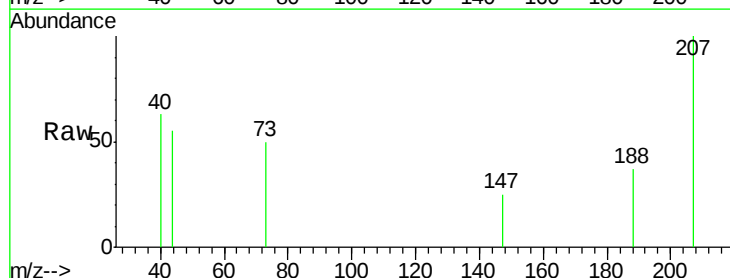
Tgt Ion: 188 Resp: 526

Ion Ratio Lower Upper

188 100

94 0.0 8.7 13.1#

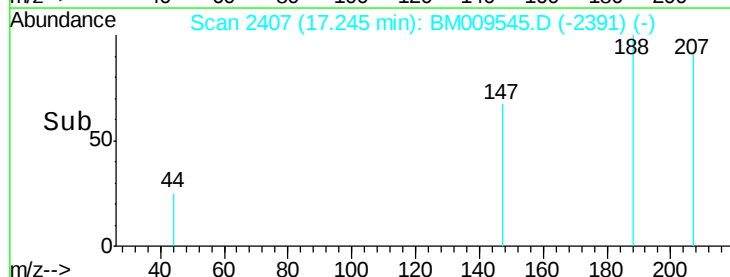
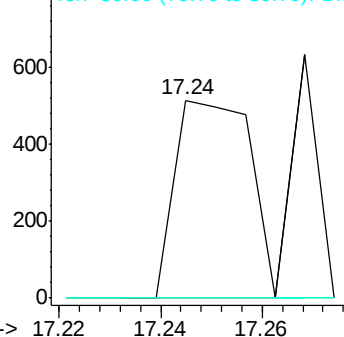
80 0.0 9.3 13.9#

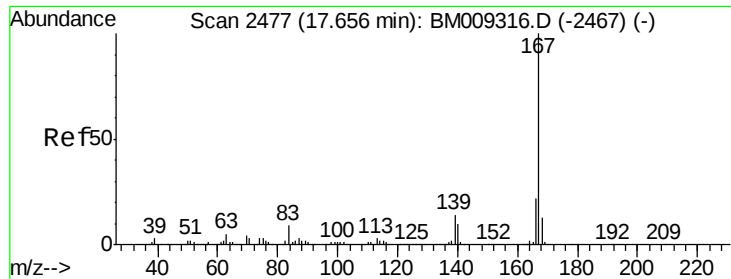


Abundance Ion 188.00 (187.70 to 188.70): E

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

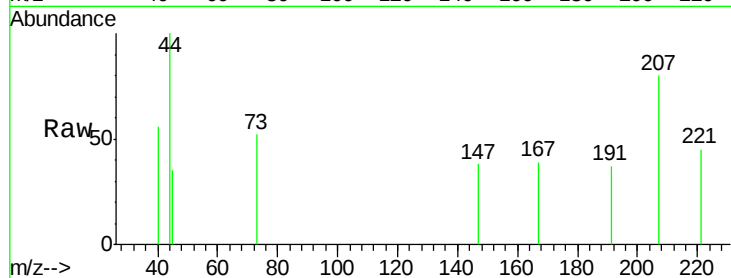
Tgt Ion:167 Resp: 128

Ion Ratio Lower Upper

167 100

166 0.0 17.2 25.8#

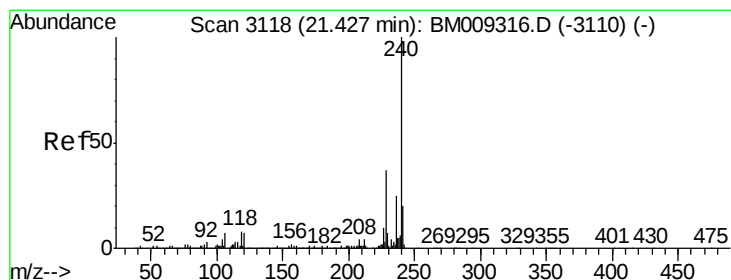
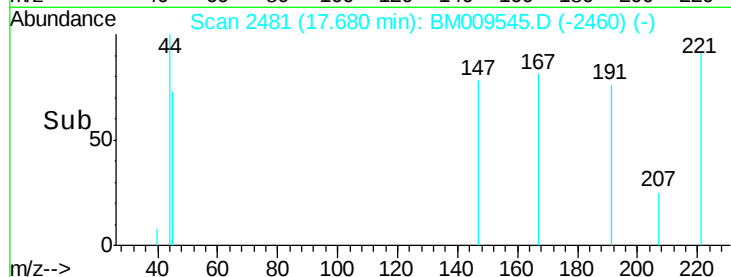
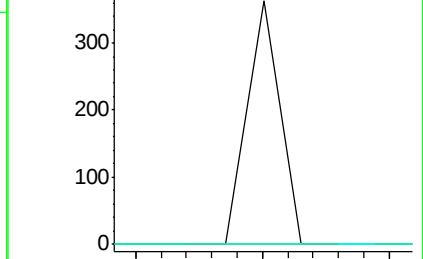
139 0.0 10.8 16.2#



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

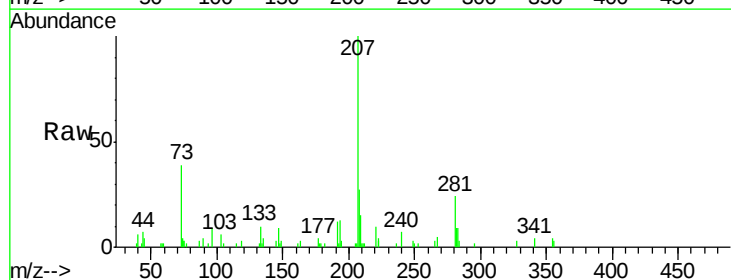
Tgt Ion:240 Resp: 1729

Ion Ratio Lower Upper

240 100

120 0.0 8.2 12.2#

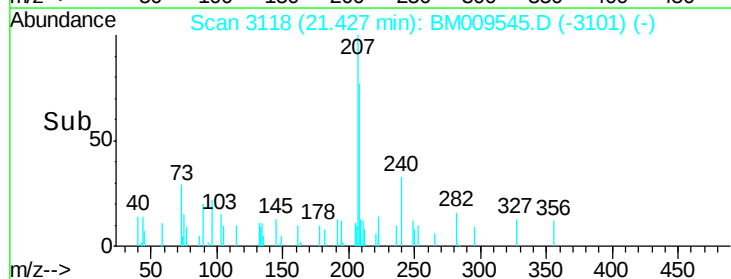
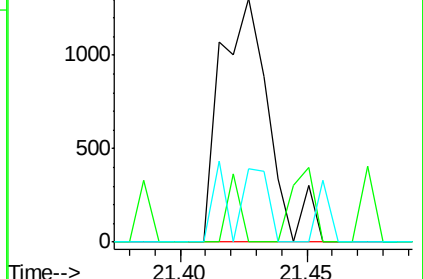
236 29.9 20.0 30.0

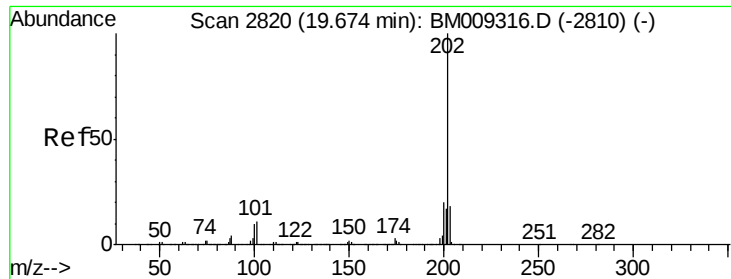


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

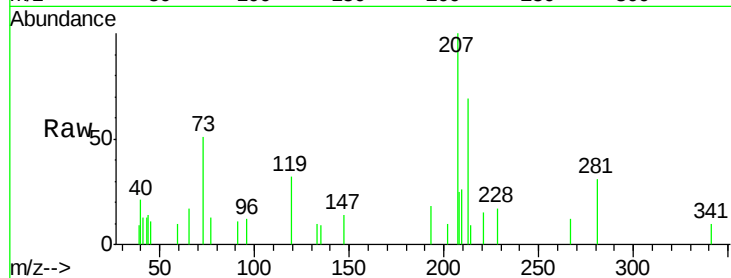




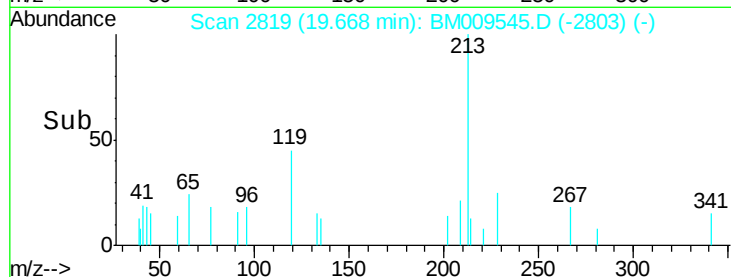
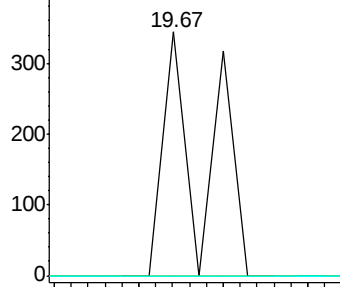
#77
 Pyrene
 Concen: 2.38 ng
 RT: 19.67 min Scan# 2819
 Delta R.T. -0.01 min
 Lab File: BM009545.D
 Acq: 05 Apr 2017 00:27

Instrument :
 BNA_M
 ClientSampleId :
 LSS-SP03-COMP

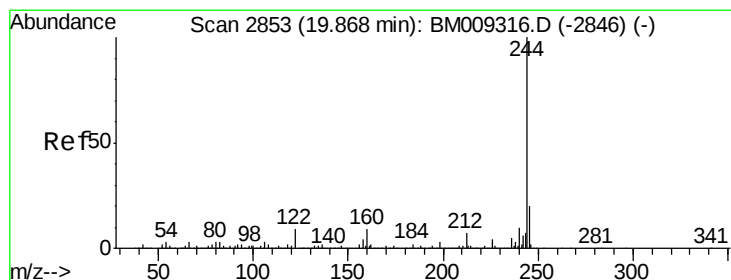
Tgt Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.9	25.3#
203	0.0	14.1	21.1#



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

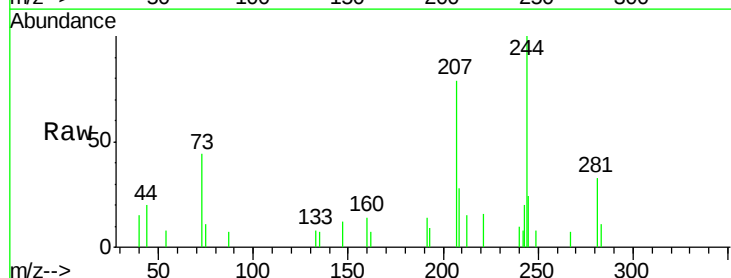


Time--> 19.64 19.66 19.68 19.70

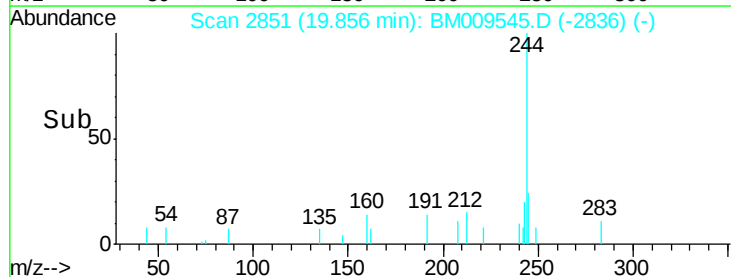
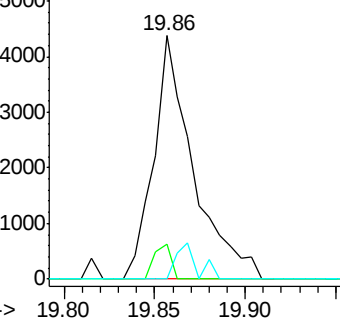


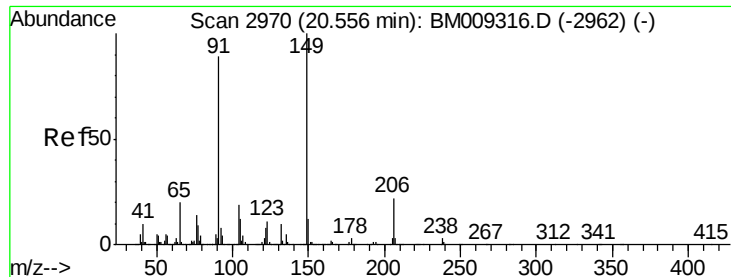
#78
 Terphenyl-d14
 Concen: 80.23 ng
 RT: 19.86 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BM009545.D
 Acq: 05 Apr 2017 00:27

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

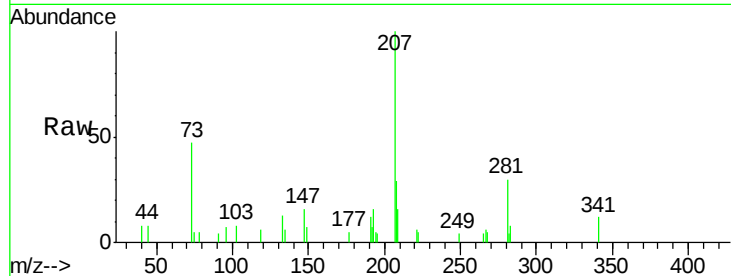
Instrument :

BNA_M

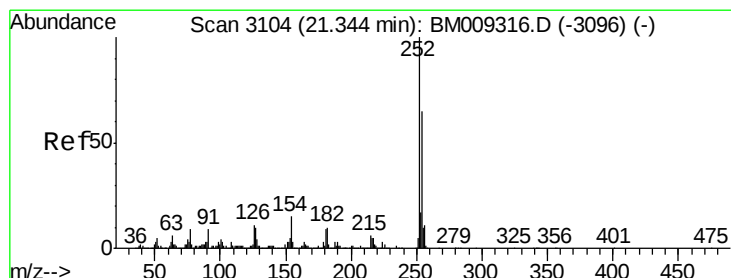
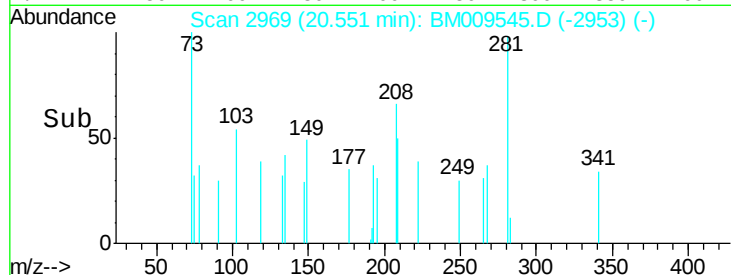
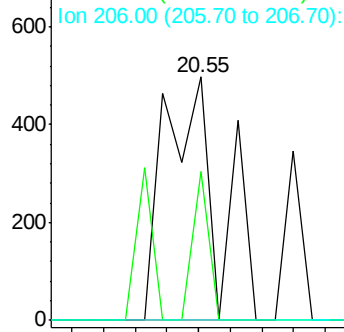
ClientSampleId :

LSS-SP03-COMP

Tgt 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



#81

3,3'-Dichlorobenzidine

Concen: 3.78 ng

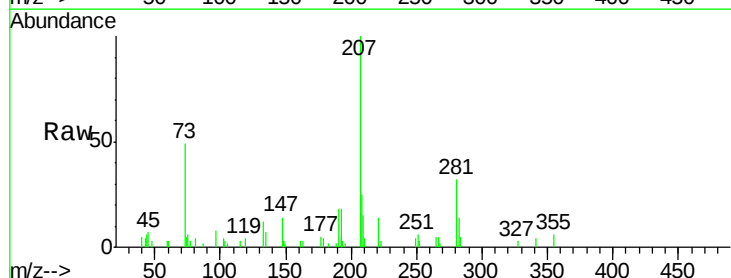
RT: 21.37 min Scan# 3109

Delta R.T. 0.03 min

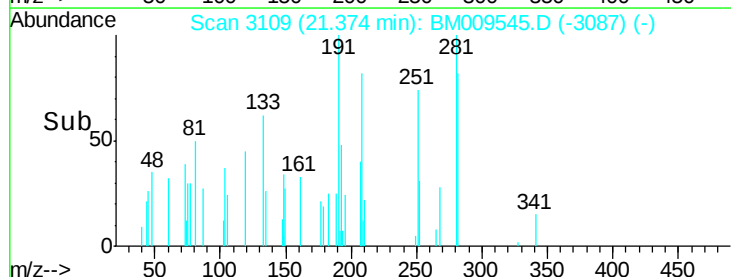
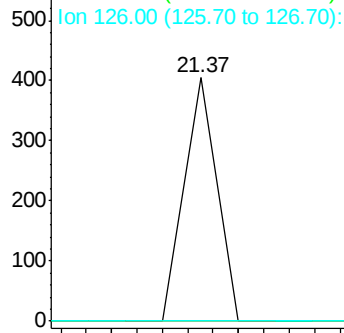
Lab File: BM009545.D

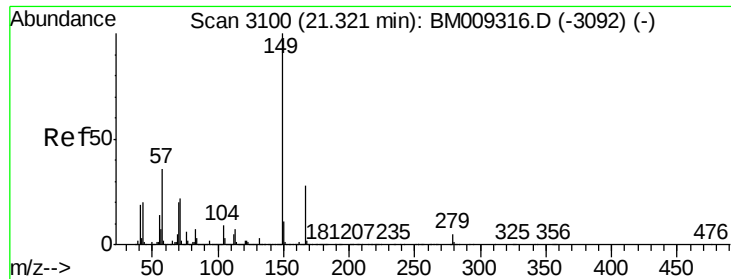
Acq: 05 Apr 2017 00:27

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





#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

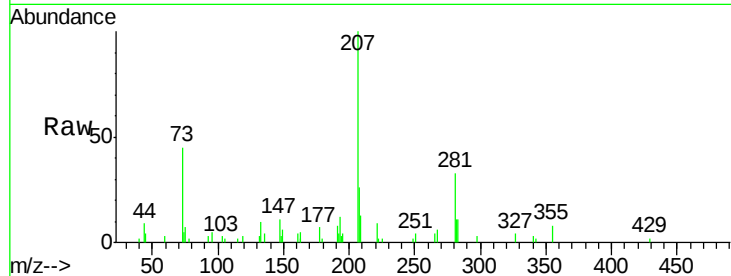
Tgt Ion:149 Resp: 1314

Ion Ratio Lower Upper

149 100

167 0.0 22.4 33.6#

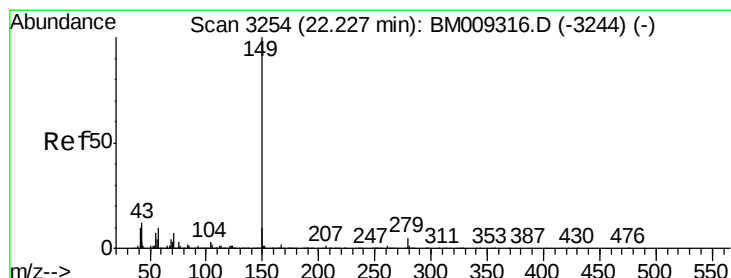
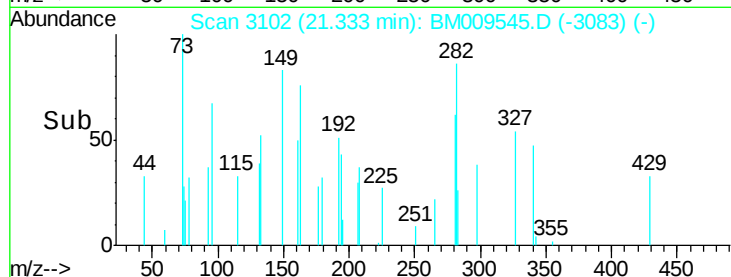
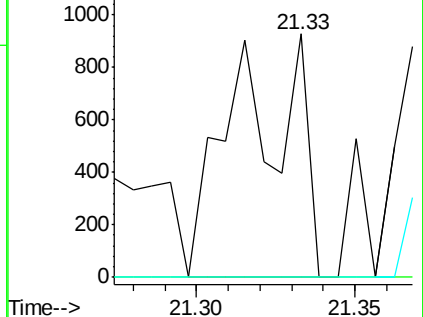
279 0.0 3.4 5.0#



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

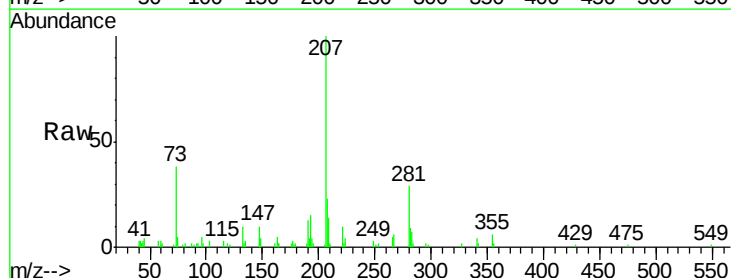
Tgt Ion:149 Resp: 736

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

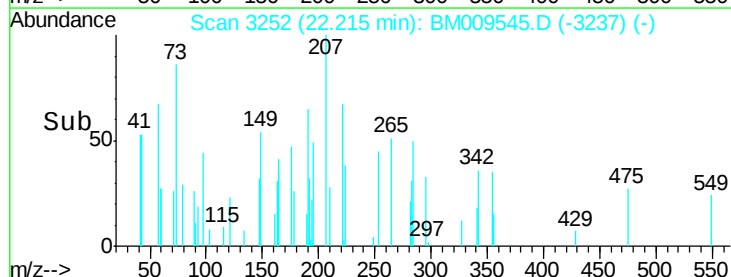
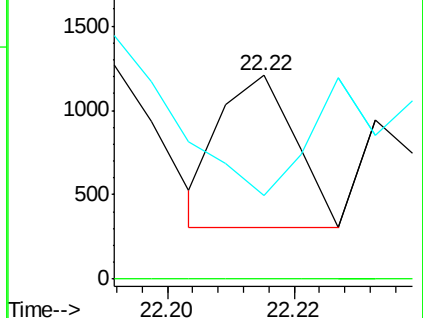
43 291.3 7.3 10.9#

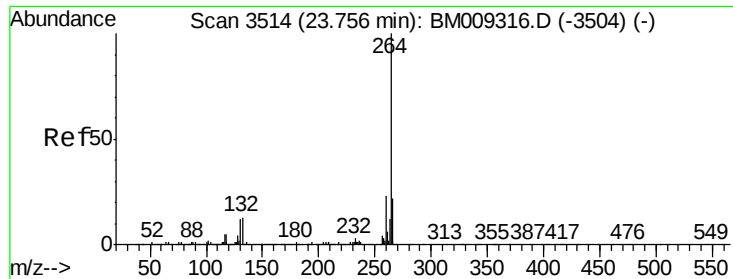


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM





#86

Perylene-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

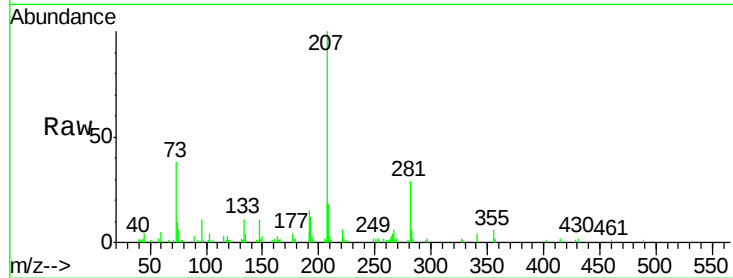
Tgt Ion:264 Resp: 2100

Ion Ratio Lower Upper

264 100

260 40.4 18.6 27.8#

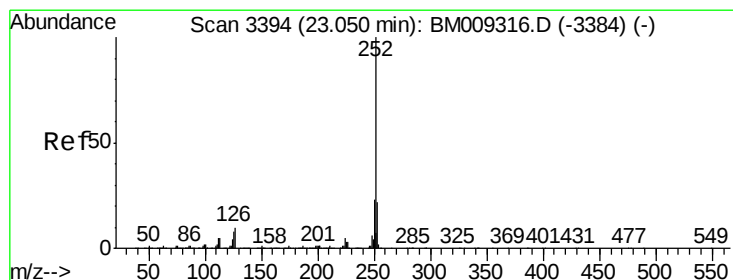
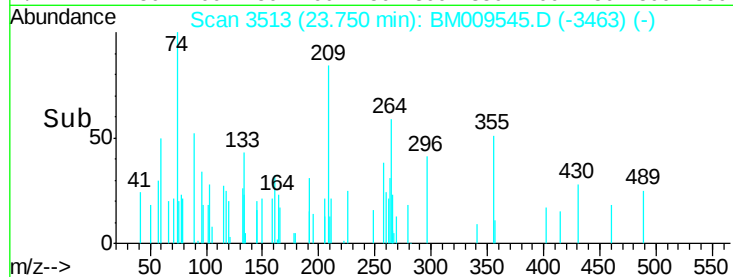
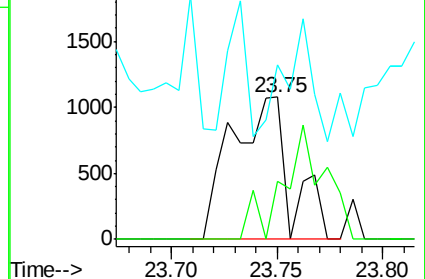
265 122.8 17.3 25.9#



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



#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

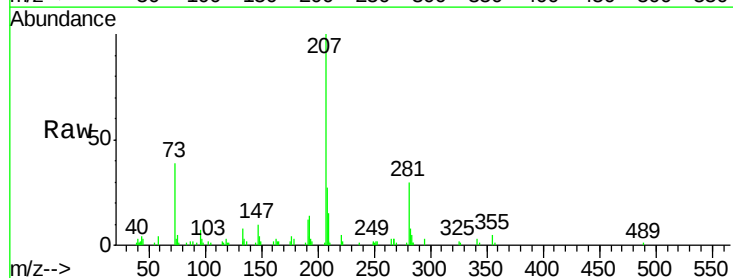
Tgt Ion:252 Resp: 582

Ion Ratio Lower Upper

252 100

253 102.4 18.0 27.0#

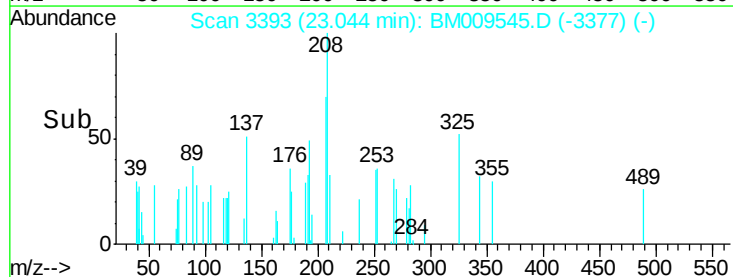
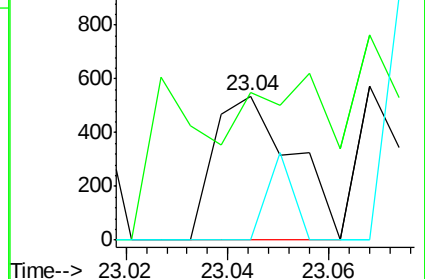
125 0.0 9.9 14.9#

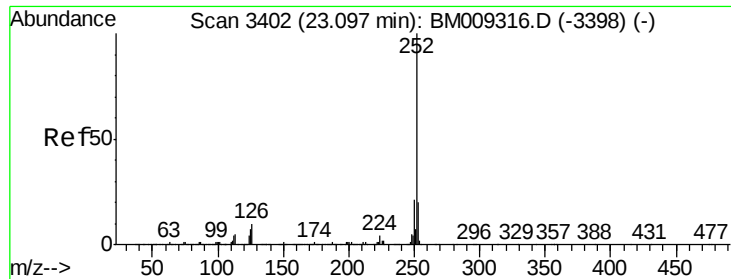


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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

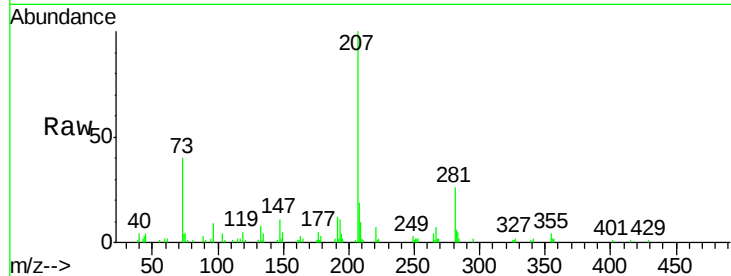
Tgt Ion:252 Resp: 584

Ion Ratio Lower Upper

252 100

253 133.2 17.2 25.8#

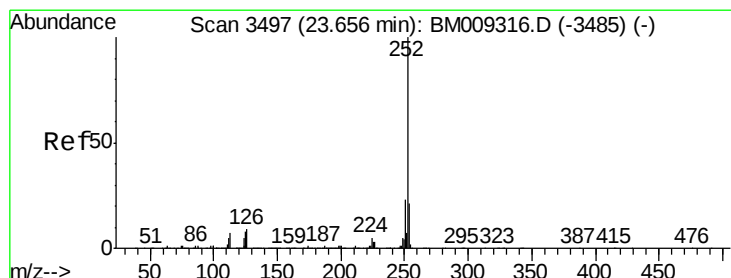
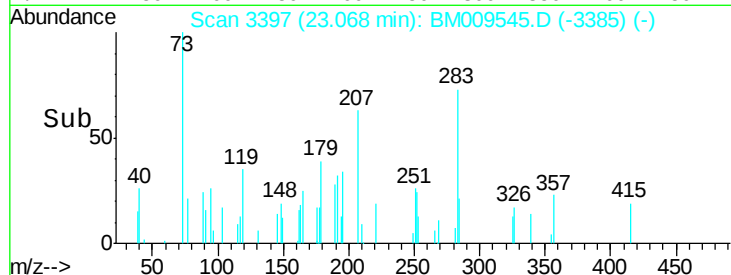
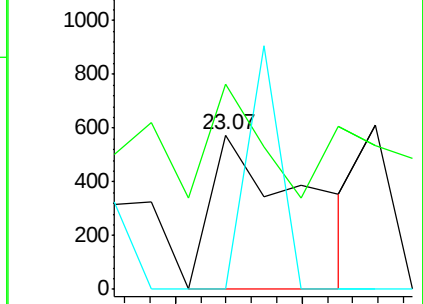
125 0.0 8.1 12.1#



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

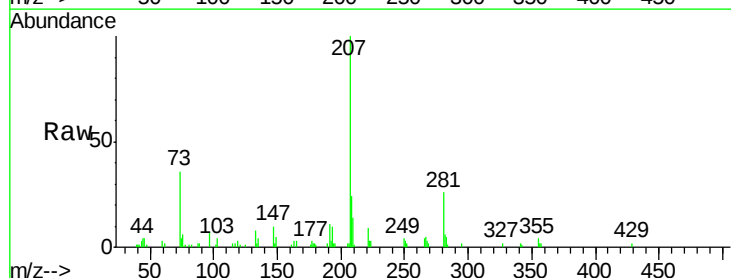
Tgt Ion:252 Resp: 694

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

