

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052815\
 Data File : BM001427.D
 Acq On : 28 May 2015 12:32
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Quant Time: May 28 15:27:06 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM052815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 15:25:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	11890	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	37743	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	22665	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	52431	5.00	ng	0.00
17) Chrysene-d12	21.03	240	47230	5.00	ng	0.00
21) Perylene-d12	23.12	264	40773	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.98	112	1442	0.76	ng	0.00
3) Phenol-d6	6.57	99	1477	0.76	ng	-0.03
7) Nitrobenzene-d5	8.53	82	1583	0.77	ng	0.00
10) 2,4,6-Tribromophenol	15.58	330	520	0.75	ng	0.00
11) 2-Fluorobiphenyl	12.68	172	5160	0.81	ng	0.00
18) Terphenyl-d14	19.48	244	4767	0.82	ng	0.00

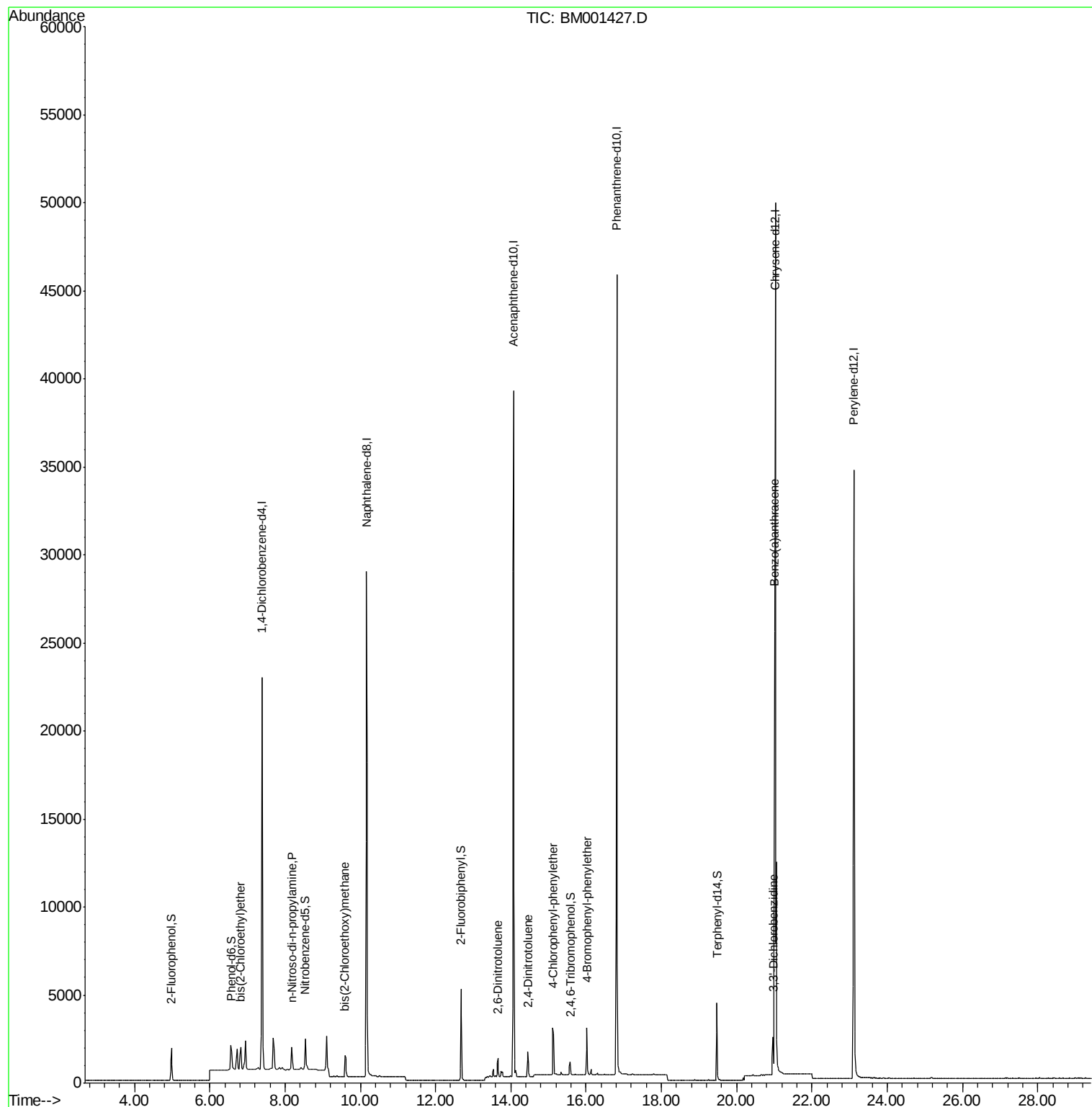
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	1592	0.74	ng	100
5) n-Nitroso-di-n-propylamine	8.18	70	1002	0.81	ng	95
8) bis(2-Chloroethoxy)methane	9.60	93	1623	0.80	ng	96
12) 2,6-Dinitrotoluene	13.66	165	693	0.73	ng	# 61
13) 2,4-Dinitrotoluene	14.46	165	780	0.70	ng	92
14) 4-Chlorophenyl-phenylether	15.13	204	2772	0.80	ng	89
16) 4-Bromophenyl-phenylether	16.02	248	1625	0.79	ng	# 80
19) Benzo(a)anthracene	21.01	228	9116	3.17	ng	100
20) 3,3'-Dichlorobenzidine	20.96	252	2091	0.70	ng	95

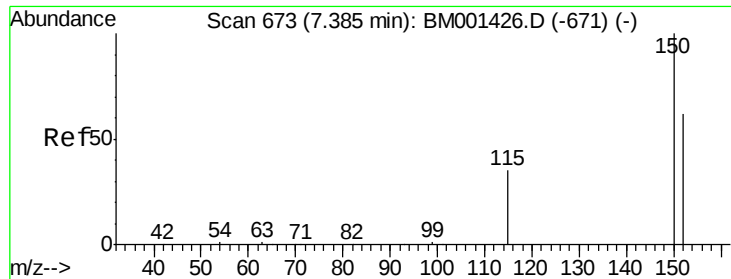
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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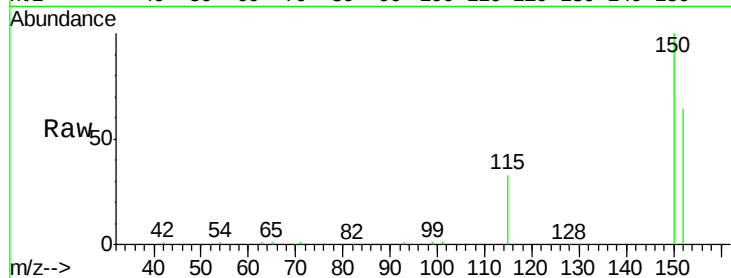


#1

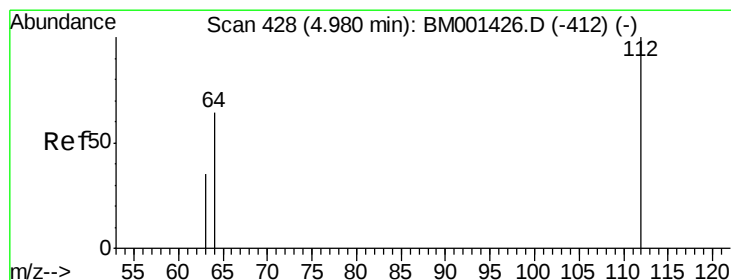
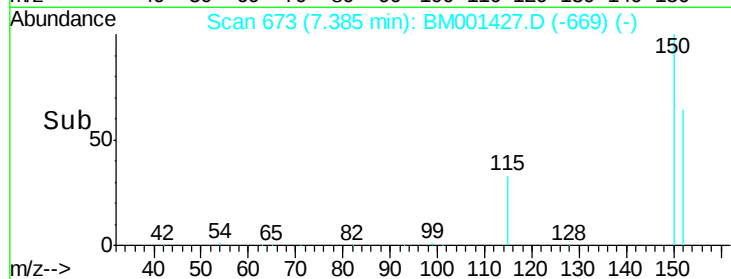
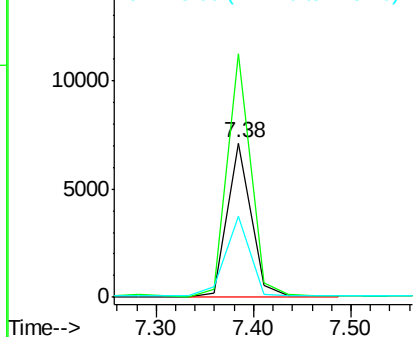
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. -0.00 min
Lab File: BM001427.D
Acq: 28 May 2015 12:32

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

Tot Ion:152 Resp: 11890
Ion Ratio Lower Upper
152 100
150 157.4 128.4 192.6
115 52.1 45.6 68.4



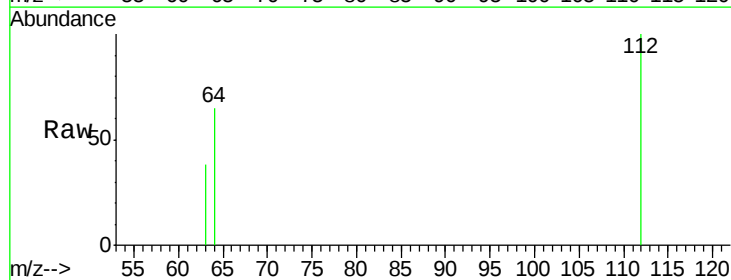
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



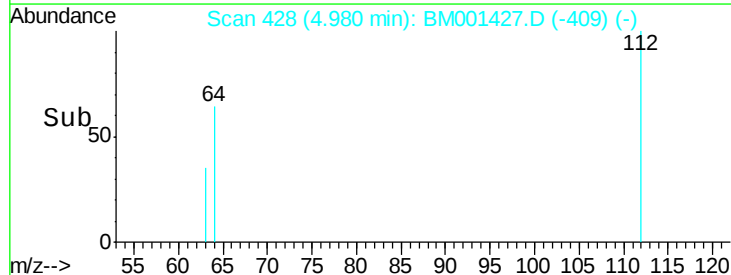
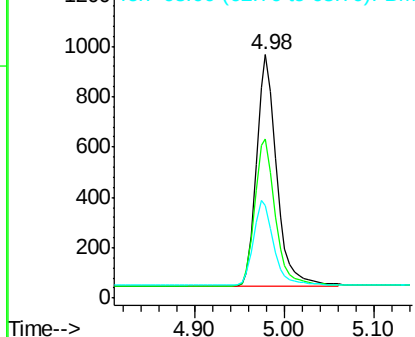
#2

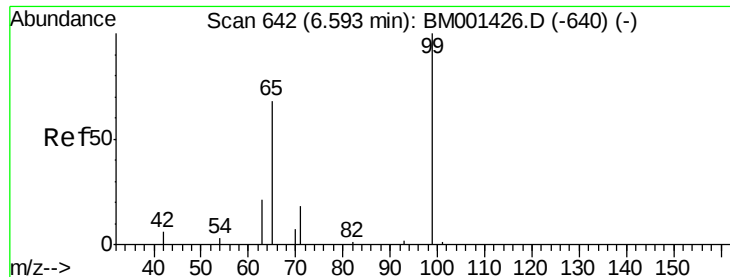
2-Fluorophenol
Concen: 0.76 ng
RT: 4.98 min Scan# 428
Delta R.T. -0.00 min
Lab File: BM001427.D
Acq: 28 May 2015 12:32

Tgt Ion:112 Resp: 1442
Ion Ratio Lower Upper
112 100
64 65.5 52.1 78.1
63 38.1 30.2 45.2



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





#3

Phenol-d6

Concen: 0.76 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.03 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8

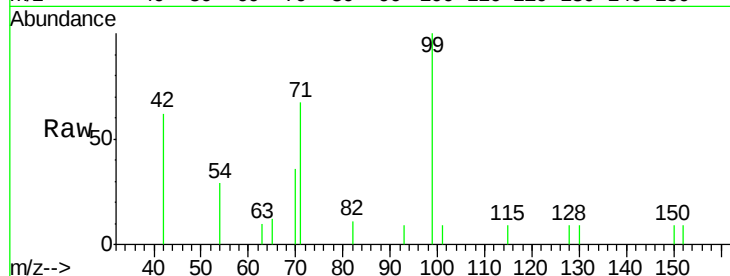
Tot Ion: 99 Resp: 1477

Ion Ratio Lower Upper

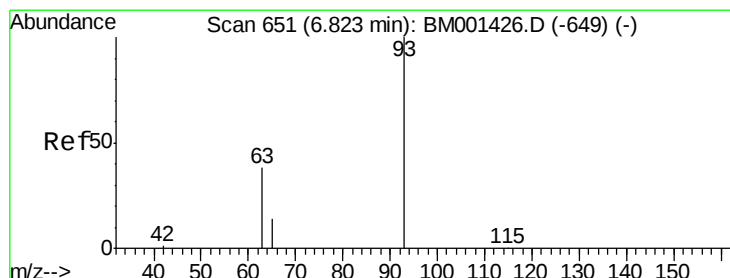
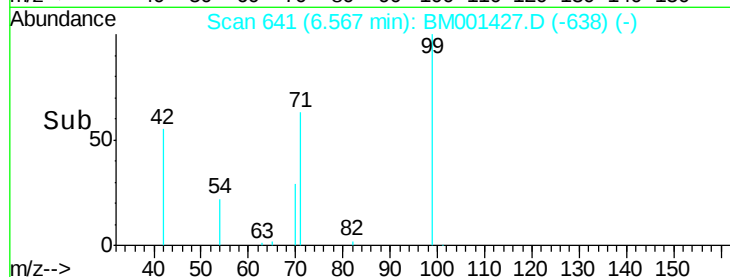
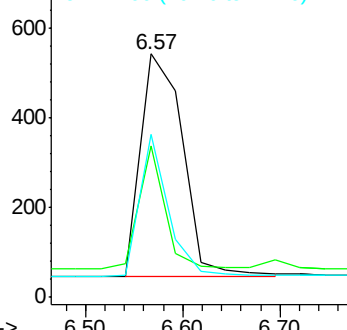
99 100

42 62.2 13.7 20.5#

71 66.8 19.8 29.6#



Abundance Ion 99.00 (98.70 to 99.70): BM001427.D (-638) (-)



#4

bis(2-Chloroethyl)ether

Concen: 0.74 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.00 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

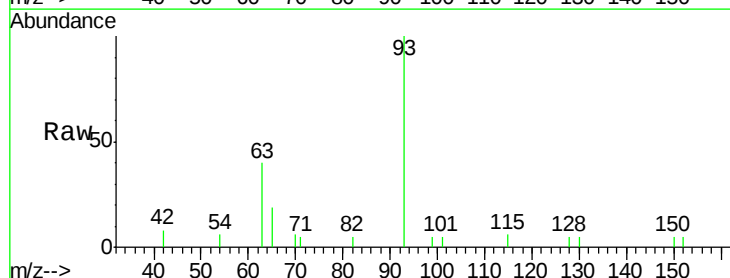
Tgt Ion: 93 Resp: 1592

Ion Ratio Lower Upper

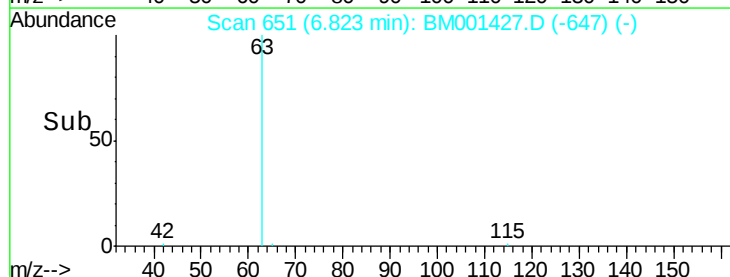
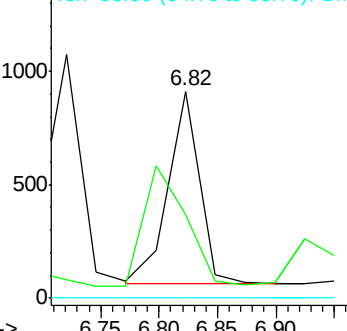
93 100

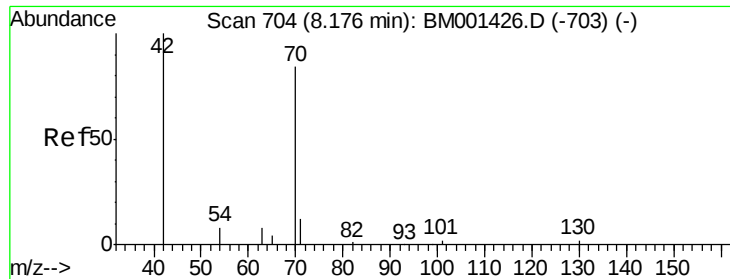
63 40.2 20.0 60.0

95 0.0 0.0 20.0



Abundance Ion 93.00 (92.70 to 93.70): BM001427.D (-647) (-)





#5

n-Nitroso-di-n-propylamine

Concen: 0.81 ng

RT: 8.18 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8

Tot Ion: 70 Resp: 1002

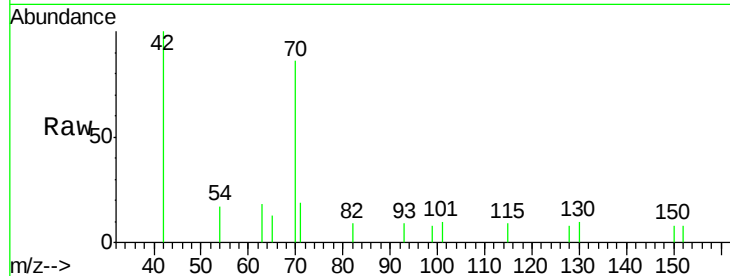
Ion	Ratio	Lower	Upper
70	100		
42	116.3	97.8	146.6
101	11.7	8.2	12.2
130	11.1	7.5	11.3

70 100

42 116.3 97.8 146.6

101 11.7 8.2 12.2

130 11.1 7.5 11.3

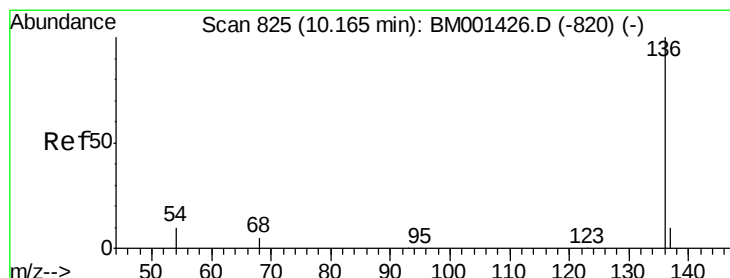
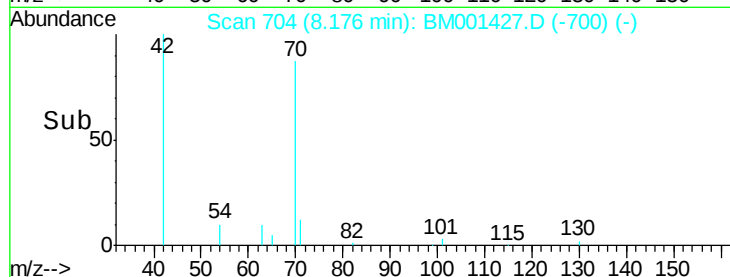
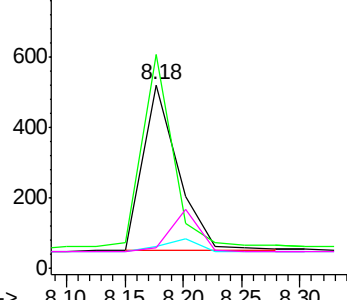


Abundance Ion 70.00 (69.70 to 70.70): BM001427.D (-700) (-)

Ion 42.00 (41.70 to 42.70): BM001427.D (-700) (-)

Ion 101.00 (100.70 to 101.70): BM001427.D (-700) (-)

Ion 130.00 (129.70 to 130.70): BM001427.D (-700) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.16 min Scan# 825

Delta R.T. -0.00 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

Tgt Ion: 136 Resp: 37743

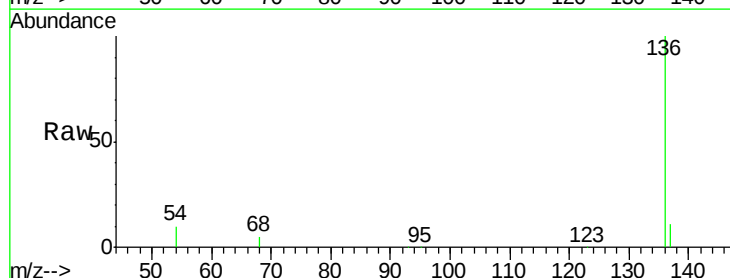
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.3	12.5
54	9.7	8.2	12.4
68	5.3	4.5	6.7

136 100

137 10.7 8.3 12.5

54 9.7 8.2 12.4

68 5.3 4.5 6.7

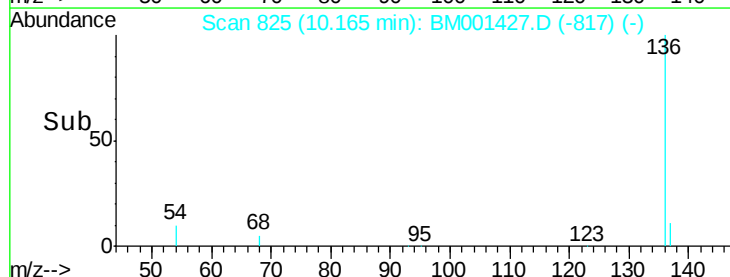
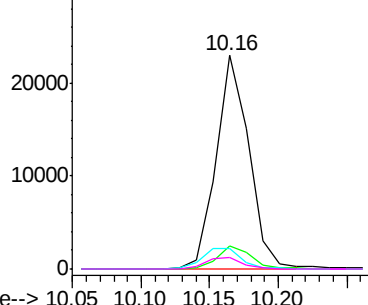


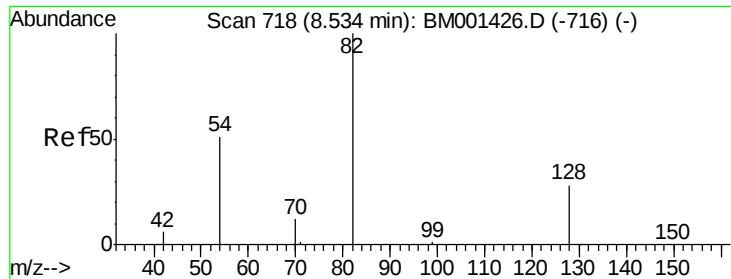
Abundance Ion 136.00 (135.70 to 136.70): BM001427.D (-817) (-)

Ion 137.00 (136.70 to 137.70): BM001427.D (-817) (-)

Ion 54.00 (53.70 to 54.70): BM001427.D (-817) (-)

Ion 68.00 (67.70 to 68.70): BM001427.D (-817) (-)





#7

Nitrobenzene-d5

Concen: 0.77 ng

RT: 8.53 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8

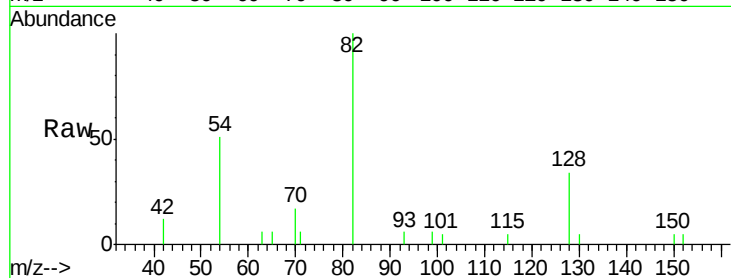
Tot Ion: 82 Resp: 1583

Ion Ratio Lower Upper

82 100

128 34.2 24.4 36.6

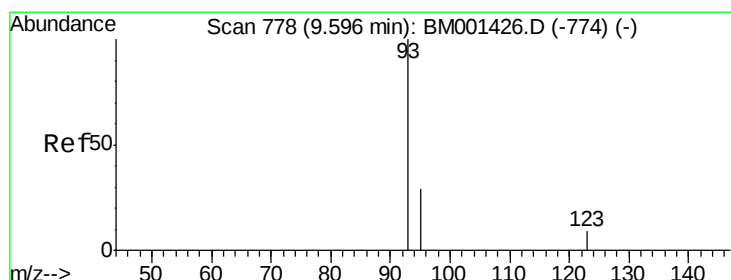
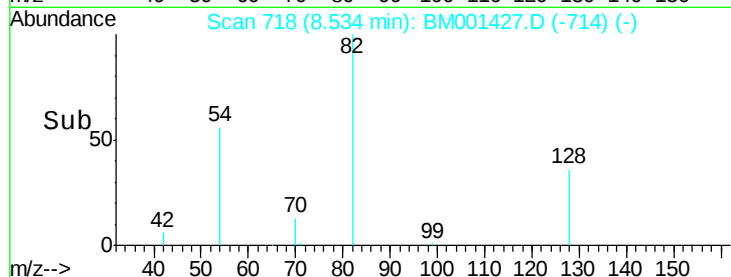
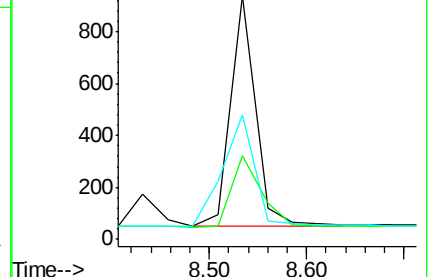
54 51.1 42.3 63.5



Abundance Ion 82.00 (81.70 to 82.70): BM001427.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001427.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001427.D (-714) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 0.80 ng

RT: 9.60 min Scan# 778

Delta R.T. -0.00 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

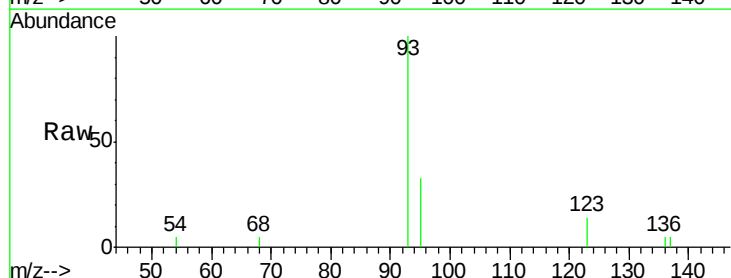
Tgt Ion: 93 Resp: 1623

Ion Ratio Lower Upper

93 100

95 33.4 25.3 37.9

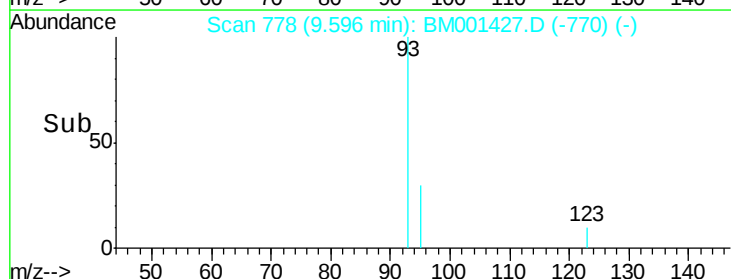
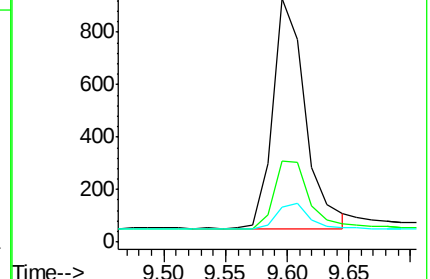
123 14.4 10.2 15.2

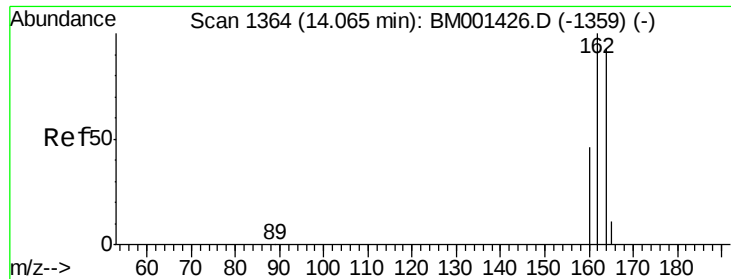


Abundance Ion 93.00 (92.70 to 93.70): BM001427.D (-770) (-)

Ion 95.00 (94.70 to 95.70): BM001427.D (-770) (-)

Ion 123.00 (122.70 to 123.70): BM001427.D (-770) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1365

Delta R.T. 0.01 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8

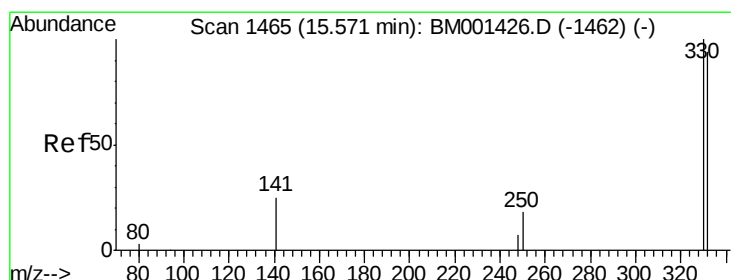
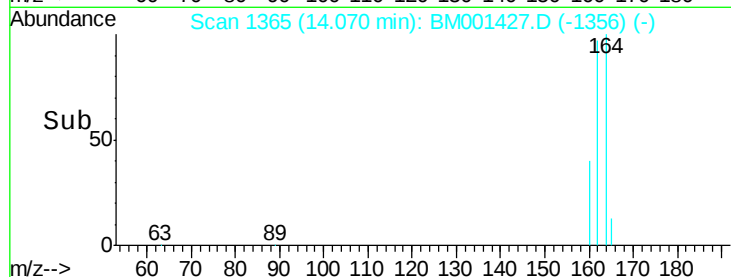
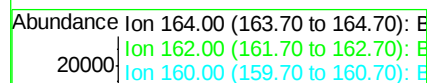
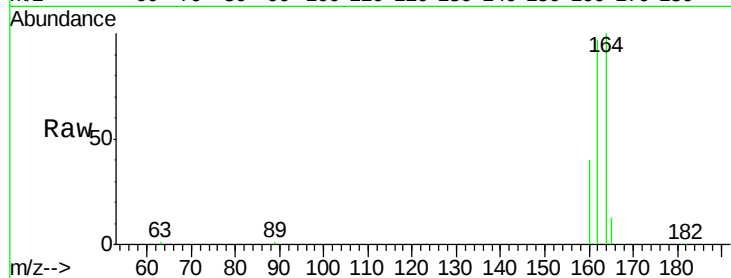
Tot Ion:164 Resp: 22665

Ion Ratio Lower Upper

164 100

162 96.8 86.2 129.2

160 40.2 39.4 59.2



#10

2,4,6-Tribromophenol

Concen: 0.75 ng

RT: 15.58 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

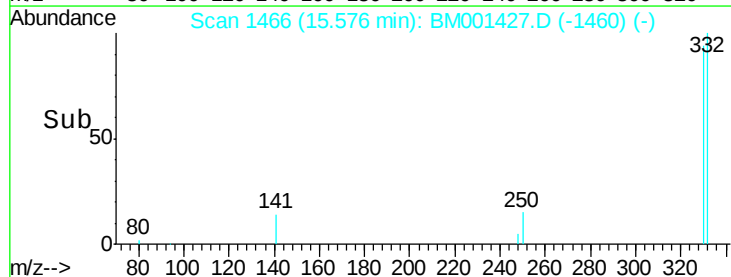
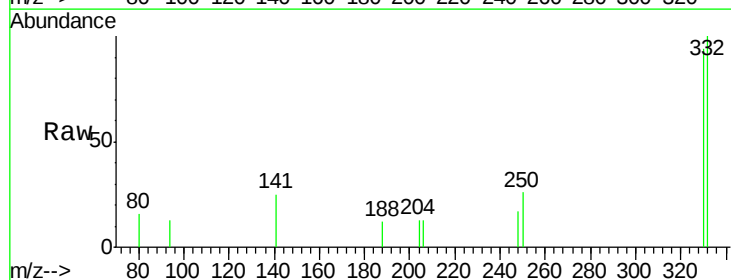
Tgt Ion:330 Resp: 520

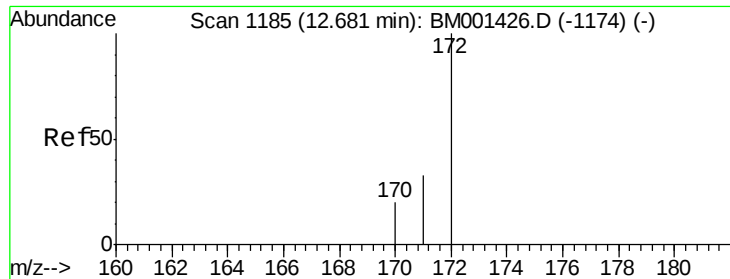
Ion Ratio Lower Upper

330 100

332 97.3 76.3 114.5

141 45.0 35.0 52.4

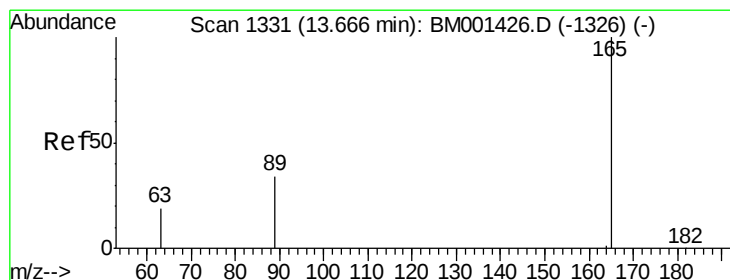
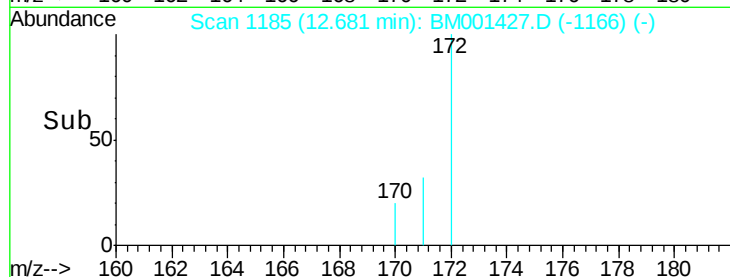
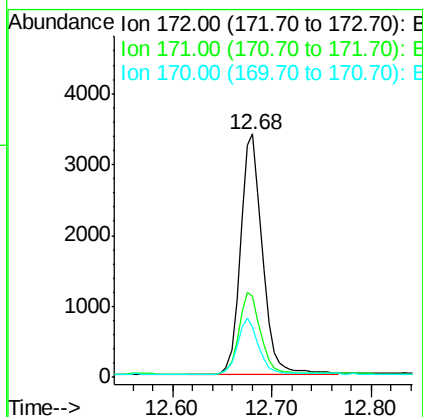
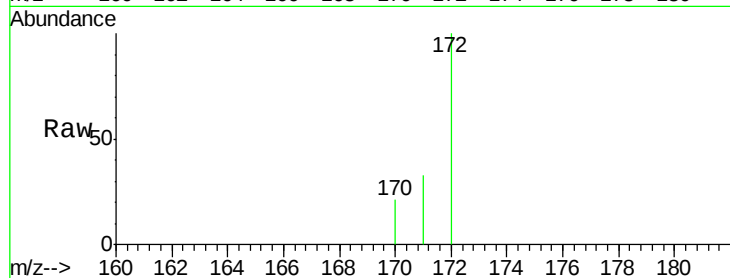




#11
2-Fluorobiphenyl
Concen: 0.81 ng
RT: 12.68 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BM001427.D
Acq: 28 May 2015 12:32

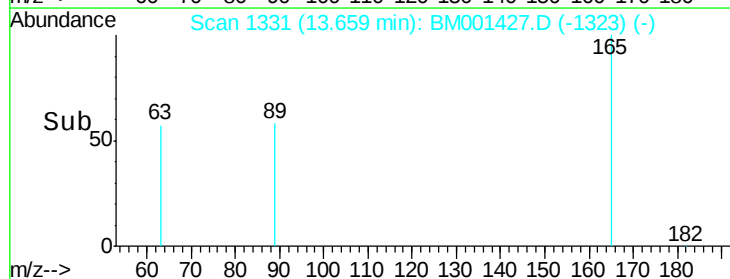
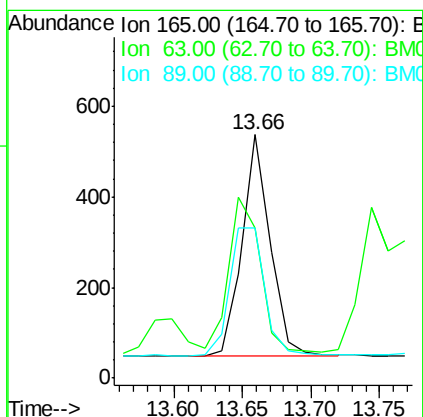
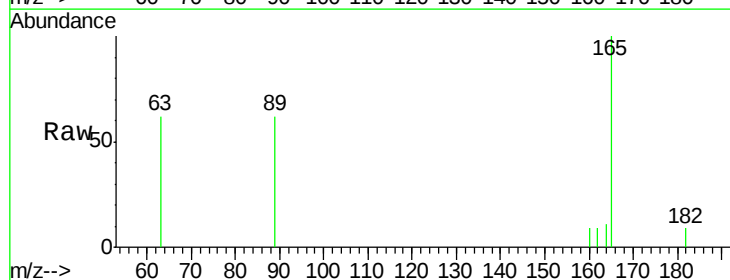
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

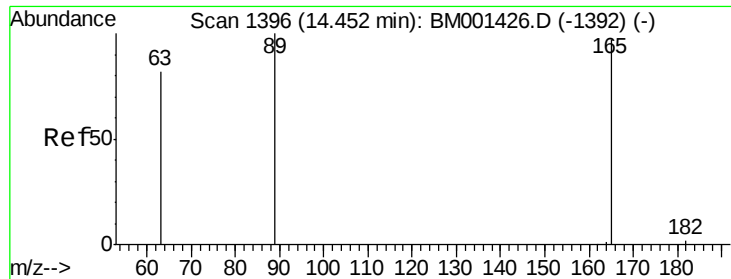
Tot Ion:172 Resp: 5160
Ion Ratio Lower Upper
172 100
171 33.2 26.9 40.3
170 20.9 17.1 25.7



#12
2,6-Dinitrotoluene
Concen: 0.73 ng
RT: 13.66 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BM001427.D
Acq: 28 May 2015 12:32

Tgt Ion:165 Resp: 693
Ion Ratio Lower Upper
165 100
63 61.6 29.1 43.7#
89 61.8 32.1 48.1#

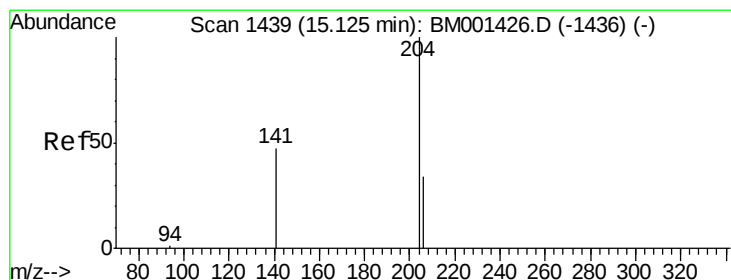
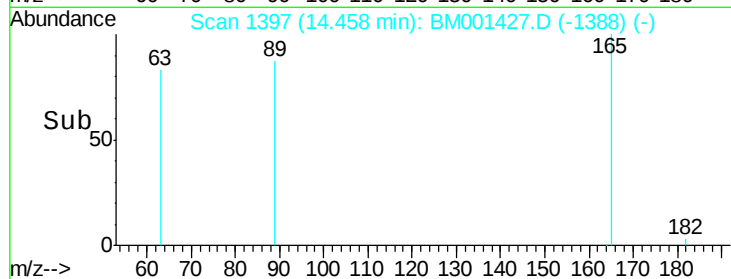
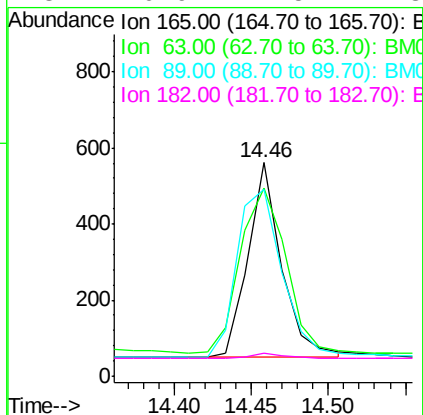
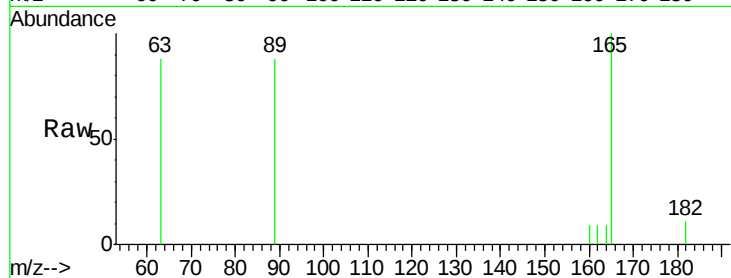




#13
2,4-Dinitrotoluene
Concen: 0.70 ng
RT: 14.46 min Scan# 1397
Delta R.T. 0.01 min
Lab File: BM001427.D
Acq: 28 May 2015 12:32

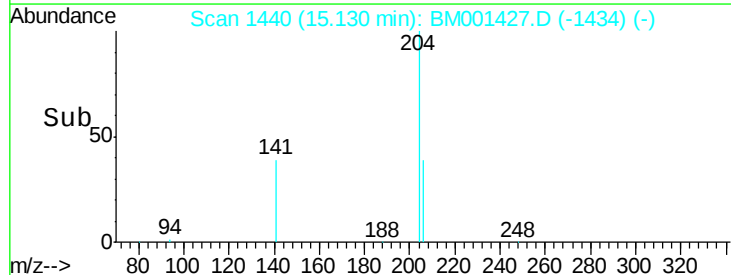
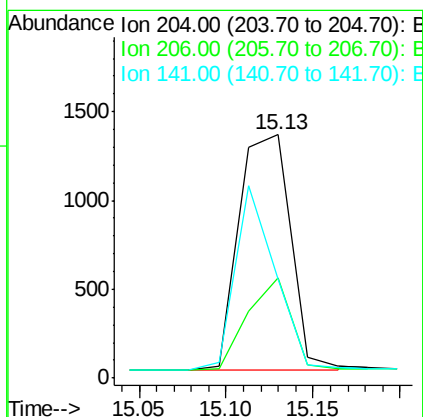
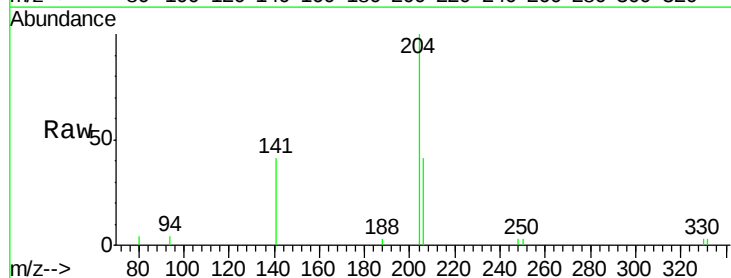
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

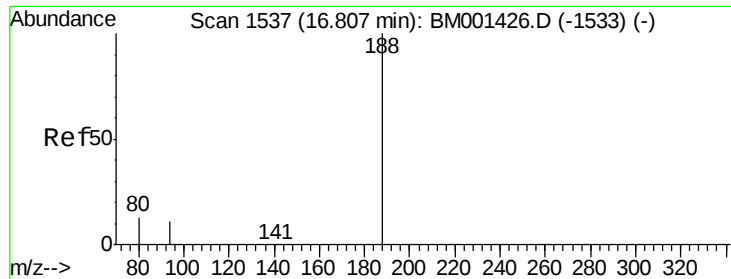
Tot Ion:165 Resp: 780
Ion Ratio Lower Upper
165 100
63 88.2 70.6 105.8
89 87.7 82.4 123.6
182 10.9 7.5 11.3



#14
4-Chlorophenyl-phenylether
Concen: 0.80 ng
RT: 15.13 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BM001427.D
Acq: 28 May 2015 12:32

Tgt Ion:204 Resp: 2772
Ion Ratio Lower Upper
204 100
206 41.4 27.8 41.8
141 40.8 38.2 57.4





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.81 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.8

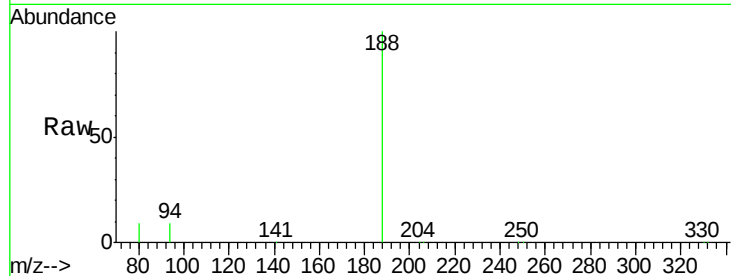
Tot Ion:188 Resp: 52431

Ion Ratio Lower Upper

188 100

94 8.7 9.0 13.4#

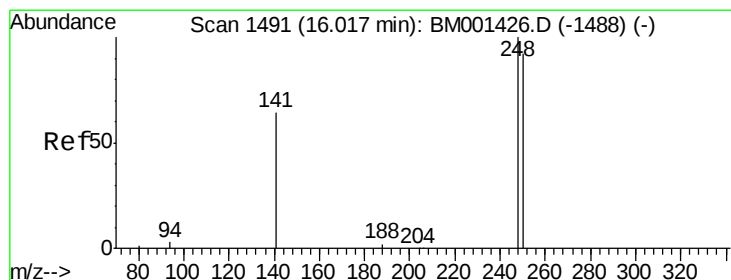
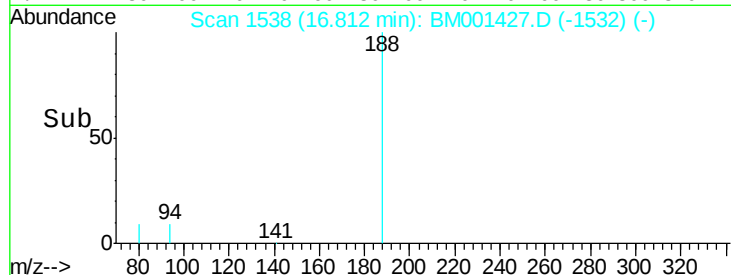
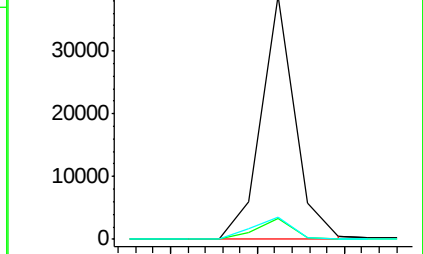
80 8.9 10.6 15.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#16

4-Bromophenyl-phenylether

Concen: 0.79 ng

RT: 16.02 min Scan# 1492

Delta R.T. 0.01 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

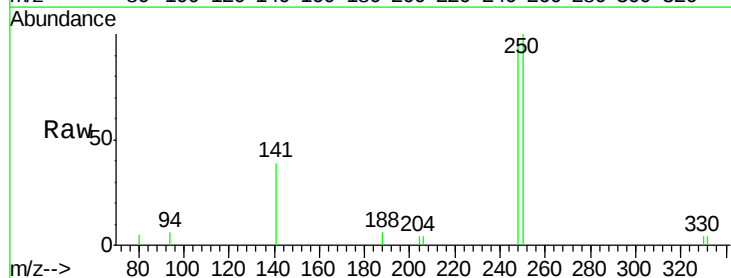
Tgt Ion:248 Resp: 1625

Ion Ratio Lower Upper

248 100

250 105.5 74.1 111.1

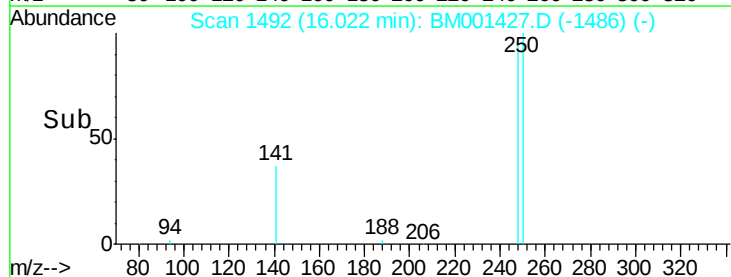
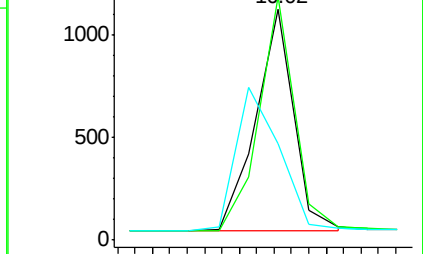
141 41.5 52.4 78.6#

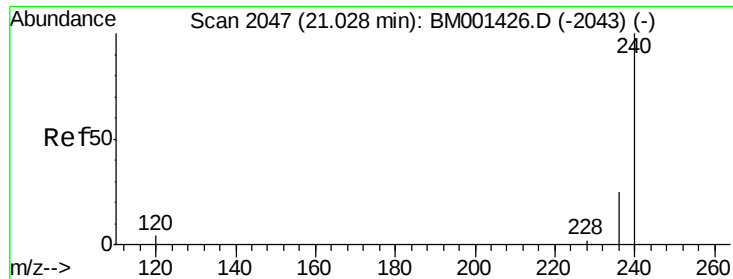


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

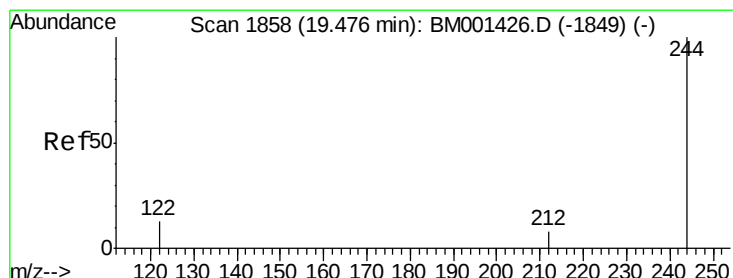
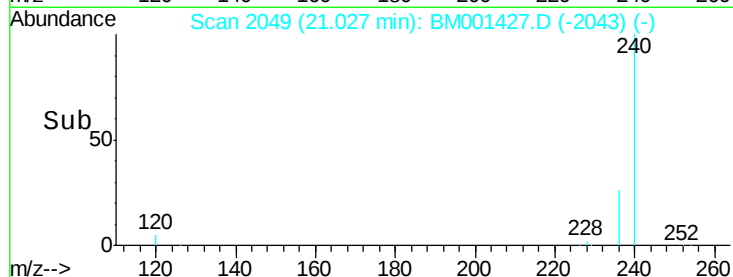
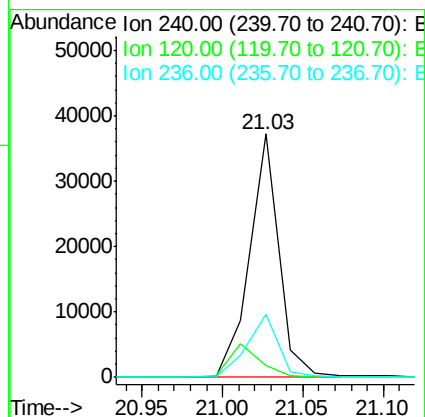
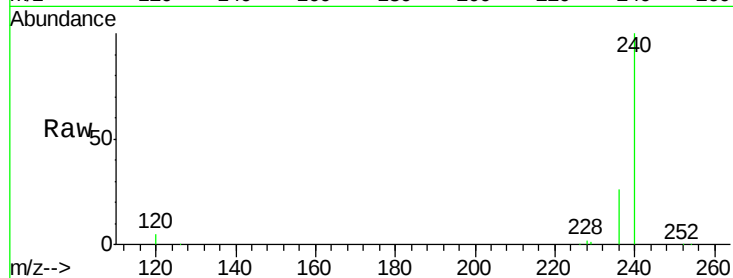




#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.03 min Scan# 2049
Delta R.T. -0.00 min
Lab File: BM001427.D
Acq: 28 May 2015 12:32

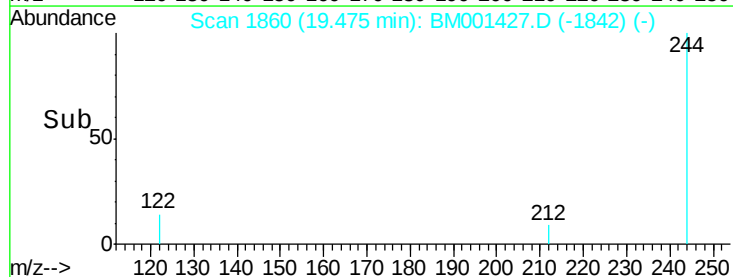
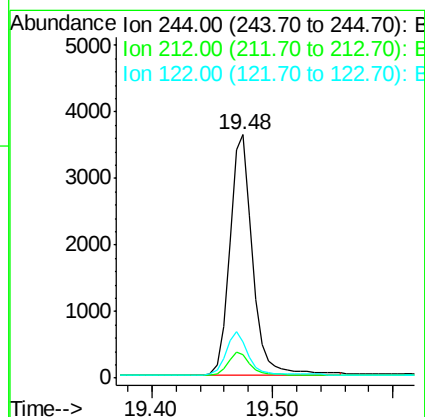
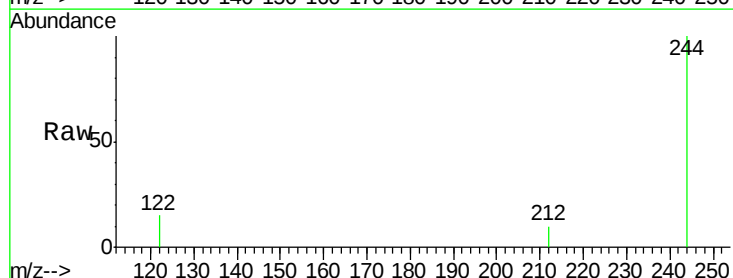
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

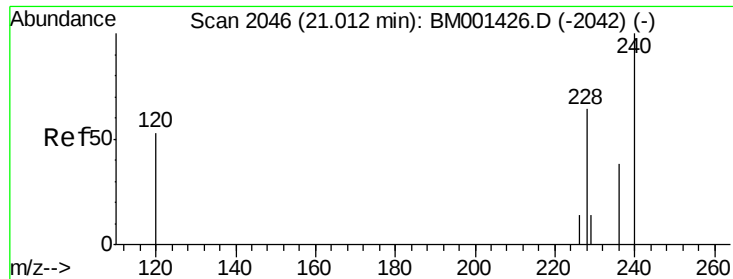
Tot Ion:240 Resp: 47230
Ion Ratio Lower Upper
240 100
120 5.0 3.2 4.8#
236 25.7 19.8 29.6



#18
Terphenyl-d14
Concen: 0.82 ng
RT: 19.48 min Scan# 1860
Delta R.T. -0.00 min
Lab File: BM001427.D
Acq: 28 May 2015 12:32

Tgt Ion:244 Resp: 4767
Ion Ratio Lower Upper
244 100
212 9.8 7.4 11.2
122 15.1 11.4 17.0





#19

Benzo(a)anthracene

Concen: 3.17 ng

RT: 21.01 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.8

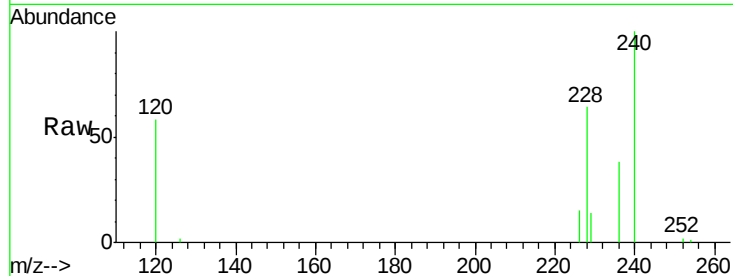
Tot Ion:228 Resp: 9116

Ion Ratio Lower Upper

228 100

226 23.0 18.2 27.2

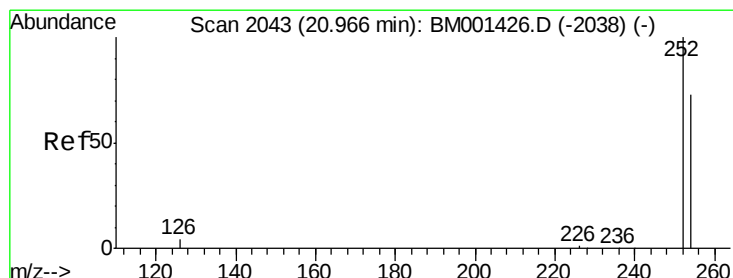
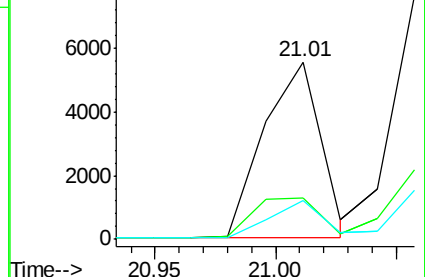
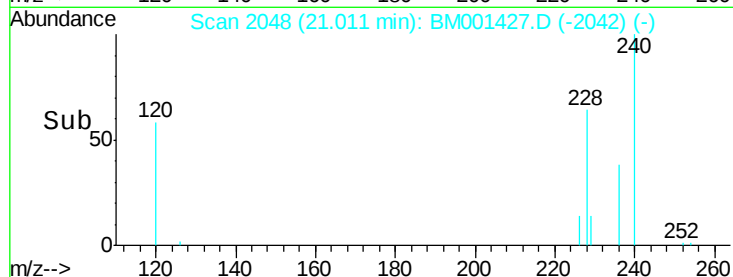
229 22.1 17.8 26.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#20

3,3'-Dichlorobenzidine

Concen: 0.70 ng

RT: 20.96 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BM001427.D

Acq: 28 May 2015 12:32

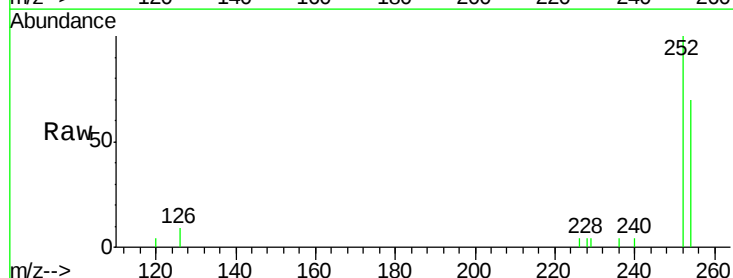
Tgt Ion:252 Resp: 2091

Ion Ratio Lower Upper

252 100

254 69.5 59.0 88.6

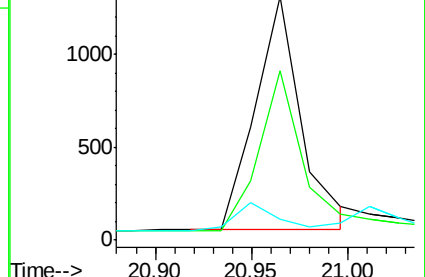
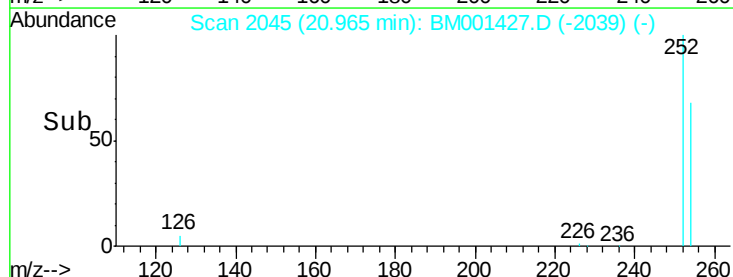
126 8.5 5.9 8.9

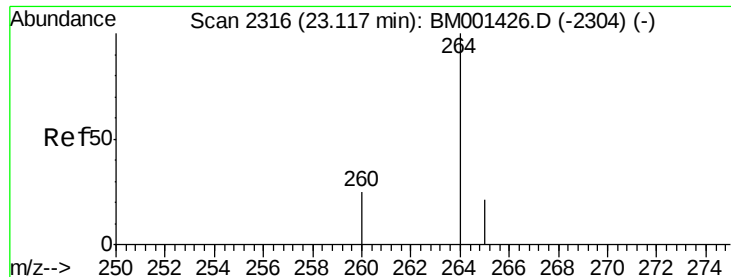


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#21
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.12 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BM001427.D
 Acq: 28 May 2015 12:32

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Tot Ion: 264 Resp: 40773
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.1 30.1
 265 21.6 17.3 25.9

