

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052815\
 Data File : BM001425.D
 Acq On : 28 May 2015 11:20
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

Quant Time: May 28 15:26:46 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	11564	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	38089	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	22556	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	51706	5.00	ng	0.00
17) Chrysene-d12	21.03	240	49930	5.00	ng	0.00
21) Perylene-d12	23.12	264	42932	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.98	112	3714	2.00	ng	0.00
3) Phenol-d6	6.57	99	3959	2.10	ng	-0.03
7) Nitrobenzene-d5	8.53	82	4351	2.10	ng	0.00
10) 2,4,6-Tribromophenol	15.57	330	1555	2.26	ng	0.00
11) 2-Fluorobiphenyl	12.68	172	13109	2.06	ng	0.00
18) Terphenyl-d14	19.47	244	12927	2.09	ng	0.00

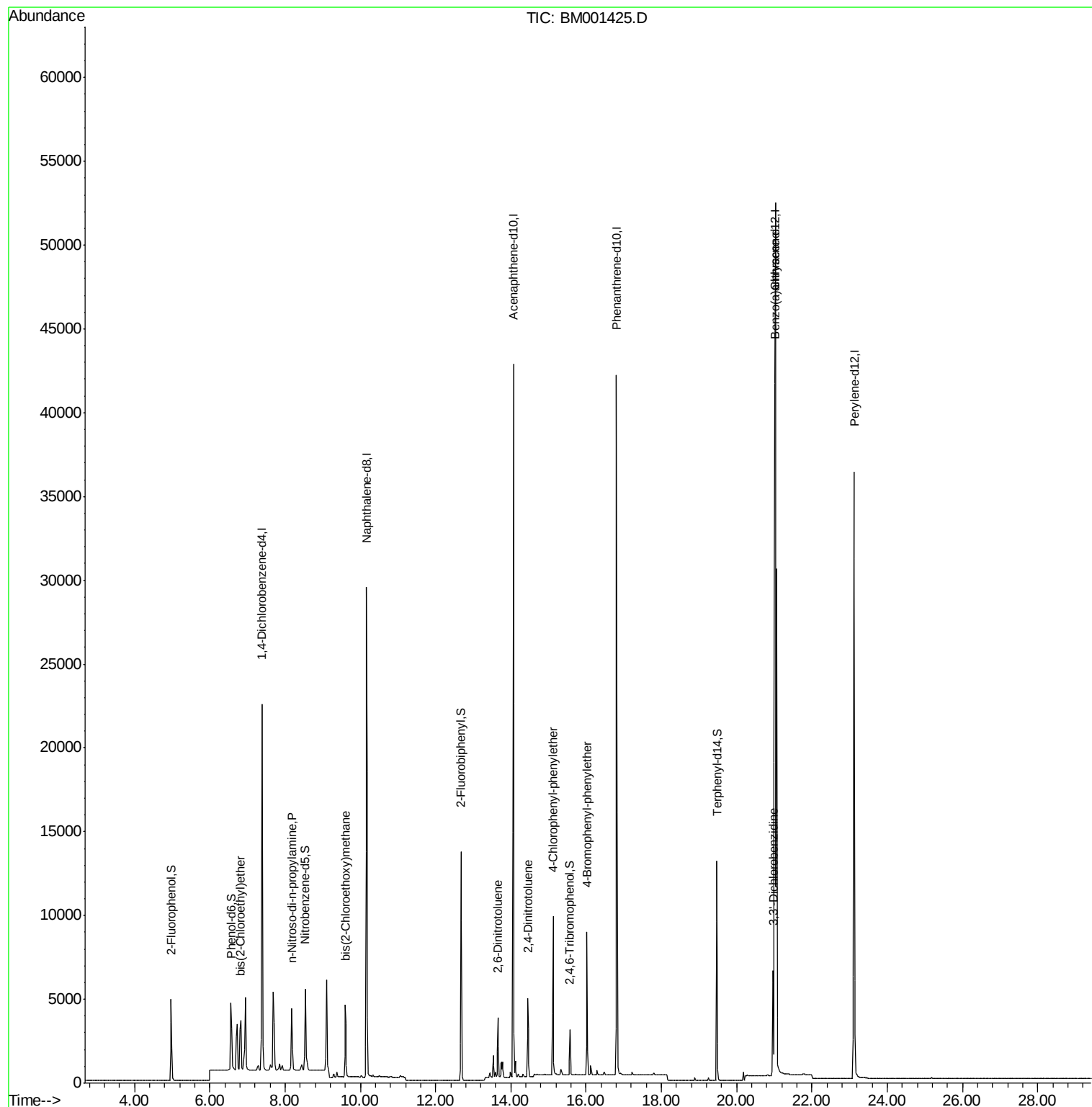
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	3875	1.86	ng	90
5) n-Nitroso-di-n-propylamine	8.18	70	2802	2.33	ng	# 87
8) bis(2-Chloroethoxy)methane	9.60	93	4952	2.43	ng	98
12) 2,6-Dinitrotoluene	13.65	165	2194	2.31	ng	# 29
13) 2,4-Dinitrotoluene	14.45	165	2609	2.36	ng	# 84
14) 4-Chlorophenyl-phenylether	15.12	204	7368	2.13	ng	97
16) 4-Bromophenyl-phenylether	16.02	248	4448	2.19	ng	94
19) Benzo(a)anthracene	21.01	228	25070	8.26	ng	99
20) 3,3'-Dichlorobenzidine	20.97	252	6891	2.19	ng	# 96

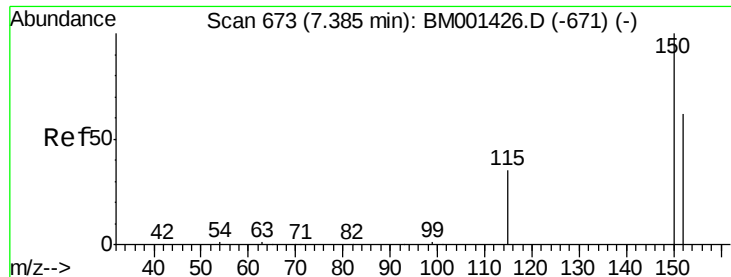
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001425.D

Acq: 28 May 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

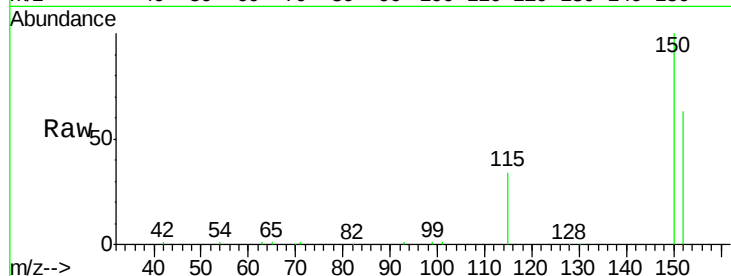
Tgt Ion:152 Resp: 11564

Ion Ratio Lower Upper

152 100

150 157.8 128.4 192.6

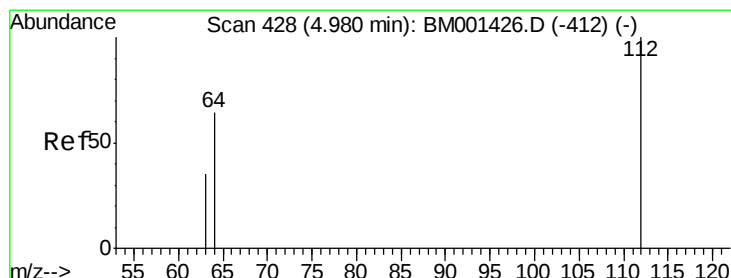
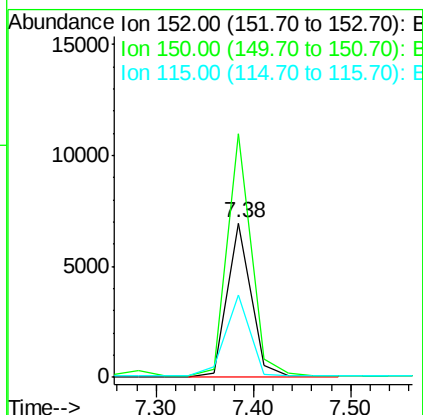
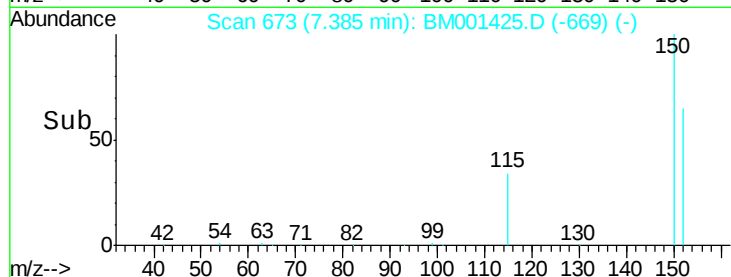
115 53.1 45.6 68.4



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: 2.00 ng

RT: 4.98 min Scan# 428

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

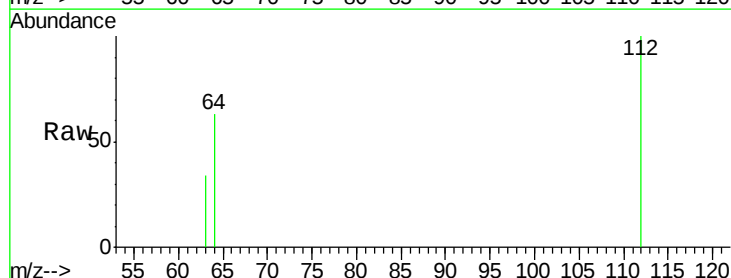
Tgt Ion:112 Resp: 3714

Ion Ratio Lower Upper

112 100

64 62.7 52.1 78.1

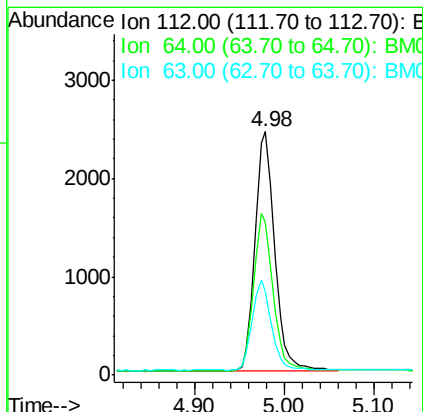
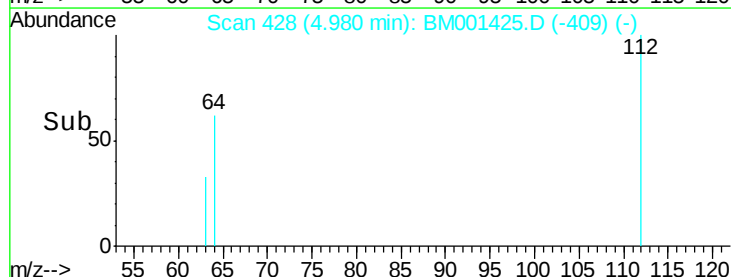
63 34.2 30.2 45.2

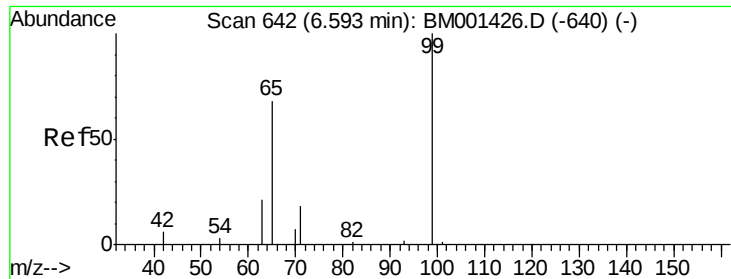


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#3

Phenol-d6

Concen: 2.10 ng

RT: 6.57 min Scan# 641

Delta R.T. -0.03 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

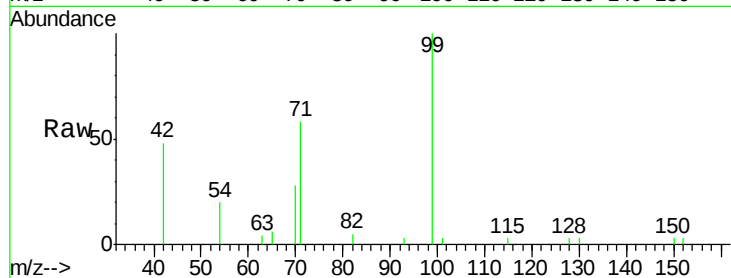
Tgt Ion: 99 Resp: 3959

Ion Ratio Lower Upper

99 100

42 48.4 13.7 20.5#

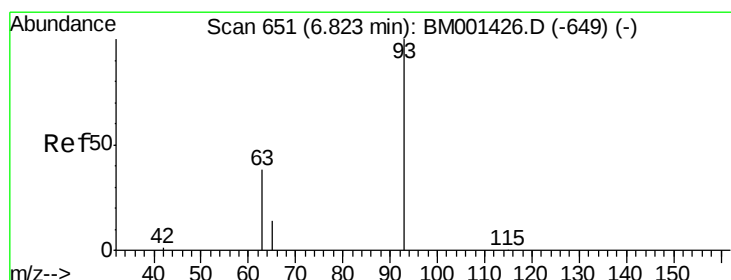
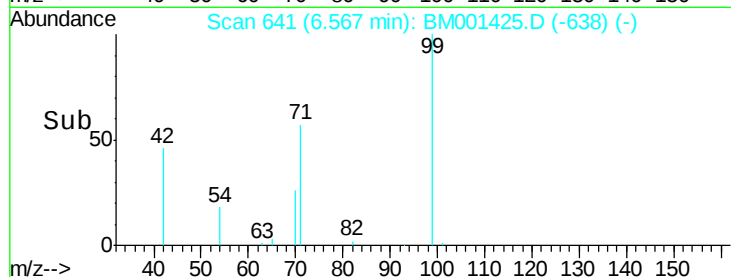
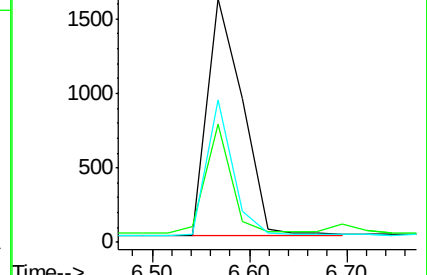
71 58.5 19.8 29.6#



Abundance Ion 99.00 (98.70 to 99.70): BM001426.D (-640) (-)

Ion 42.00 (41.70 to 42.70): BM001426.D (-640) (-)

Ion 71.00 (70.70 to 71.70): BM001426.D (-640) (-)



#4

bis(2-Chloroethyl)ether

Concen: 1.86 ng

RT: 6.82 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

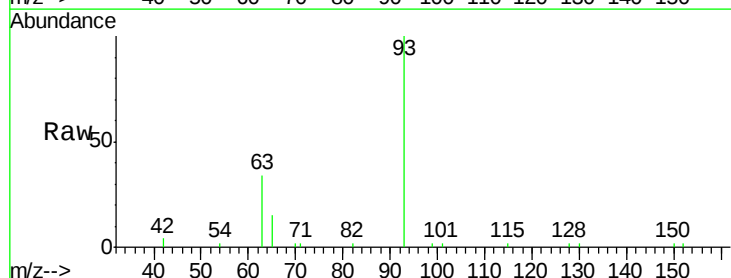
Tgt Ion: 93 Resp: 3875

Ion Ratio Lower Upper

93 100

63 33.8 20.0 60.0

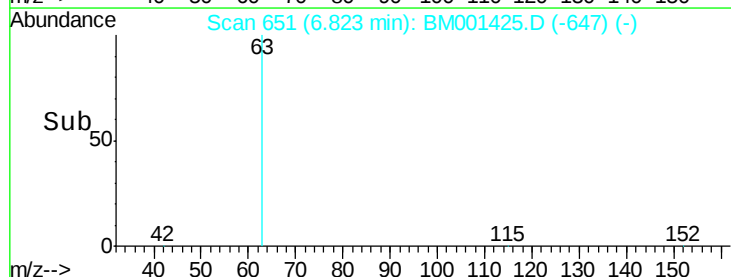
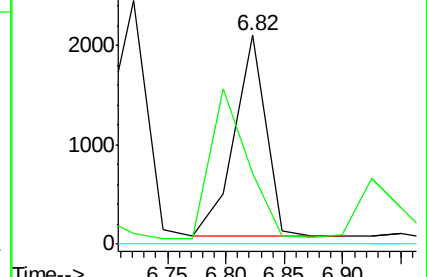
95 0.0 0.0 20.0

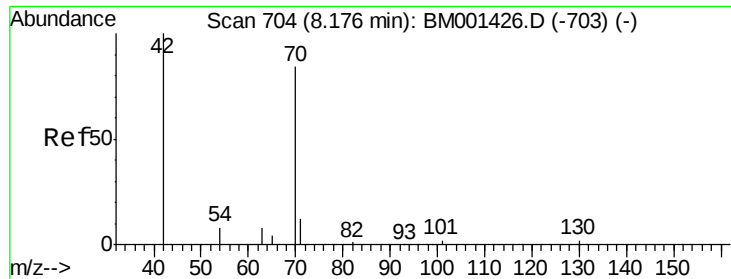


Abundance Ion 93.00 (92.70 to 93.70): BM001426.D (-649) (-)

Ion 63.00 (62.70 to 63.70): BM001426.D (-649) (-)

Ion 95.00 (94.70 to 95.70): BM001426.D (-649) (-)





#5

n-Nitroso-di-n-propylamine

Concen: 2.33 ng

RT: 8.18 min Scan# 704

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

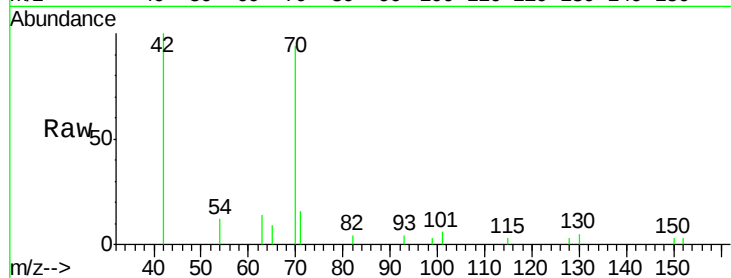
Instrument :

BNA_M

ClientSampleId :

SSTDICC002

Tgt Ion:	70	Resp:	2802
Ion	Ratio	Lower	Upper
70	100		
42	106.9	97.8	146.6
101	6.3	8.2	12.2#
130	5.5	7.5	11.3#

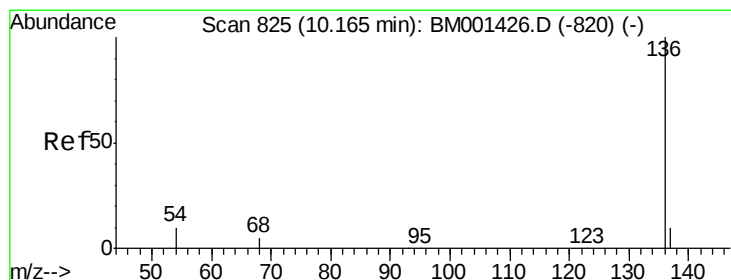
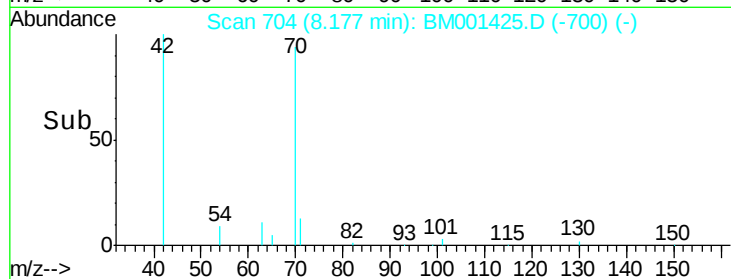
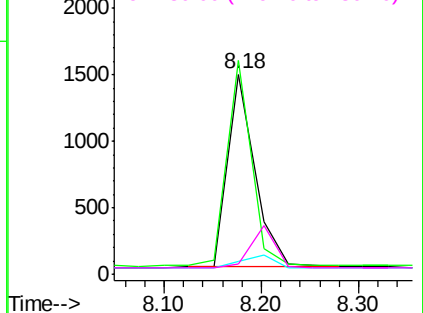


Abundance Ion 70.00 (69.70 to 70.70): BM001426.D (-703) (-)

Ion 42.00 (41.70 to 42.70): BM001426.D (-703) (-)

Ion 101.00 (100.70 to 101.70): BM001426.D (-703) (-)

Ion 130.00 (129.70 to 130.70): BM001426.D (-703) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

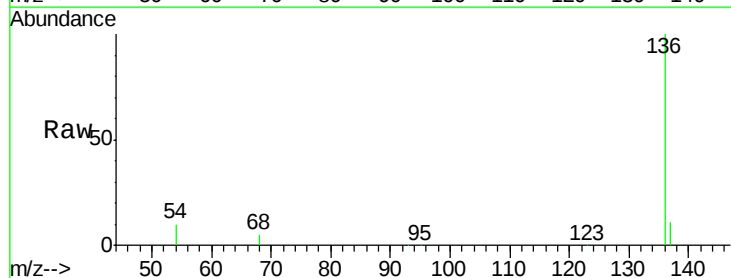
RT: 10.16 min Scan# 825

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

Tgt Ion:	136	Resp:	38089
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.3	12.5
54	9.8	8.2	12.4
68	5.4	4.5	6.7

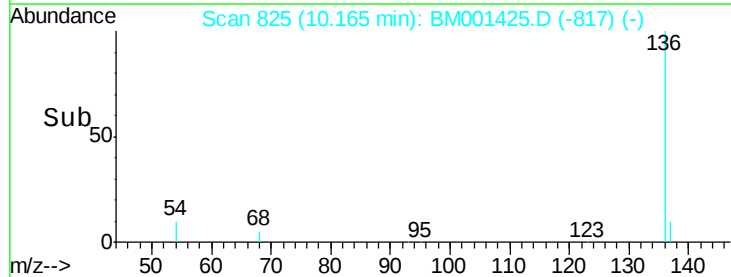
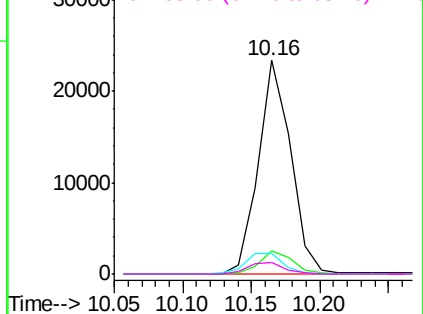


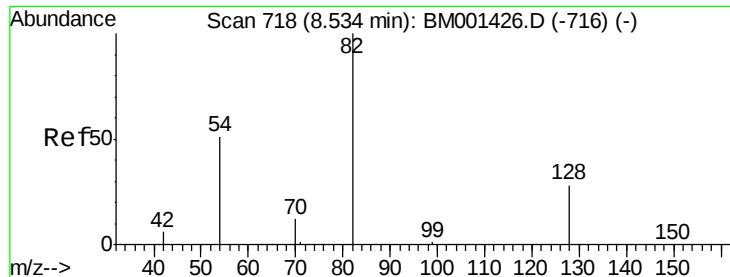
Abundance Ion 136.00 (135.70 to 136.70): BM001426.D (-820) (-)

Ion 137.00 (136.70 to 137.70): BM001426.D (-820) (-)

Ion 54.00 (53.70 to 54.70): BM001426.D (-820) (-)

Ion 68.00 (67.70 to 68.70): BM001426.D (-820) (-)





#7

Nitrobenzene-d5

Concen: 2.10 ng

RT: 8.53 min Scan# 718

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

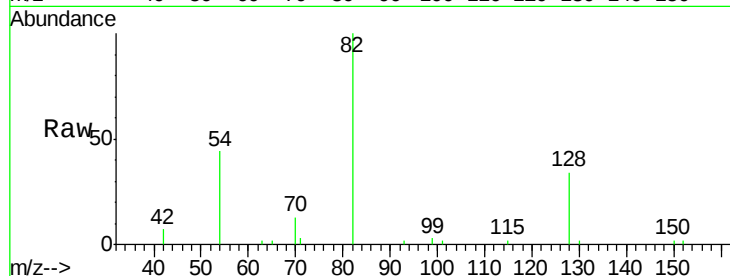
Tgt Ion: 82 Resp: 4351

Ion Ratio Lower Upper

82 100

128 34.1 24.4 36.6

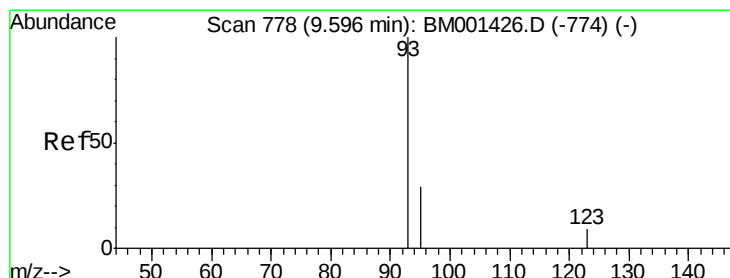
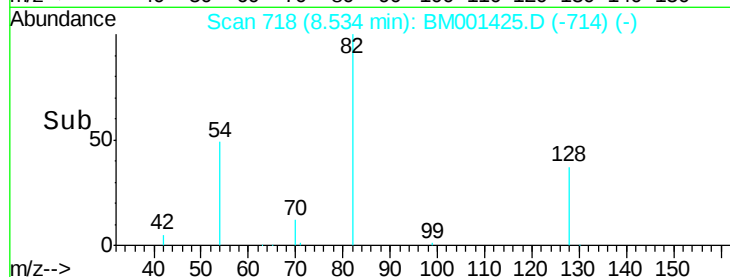
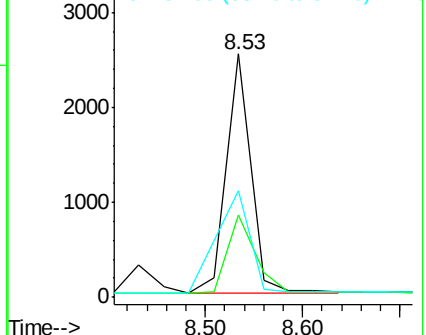
54 43.9 42.3 63.5



Abundance Ion 82.00 (81.70 to 82.70): BM001425.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001425.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001425.D (-714) (-)



#8

bis(2-Chloroethoxy)methane

Concen: 2.43 ng

RT: 9.60 min Scan# 778

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

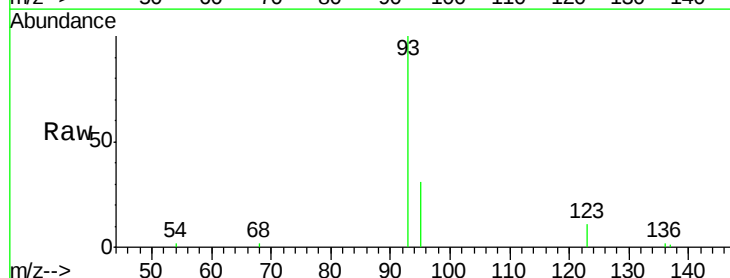
Tgt Ion: 93 Resp: 4952

Ion Ratio Lower Upper

93 100

95 31.2 25.3 37.9

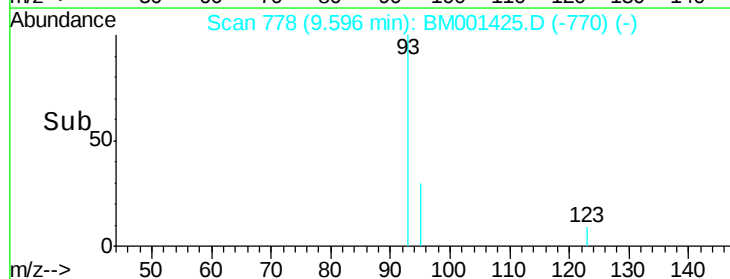
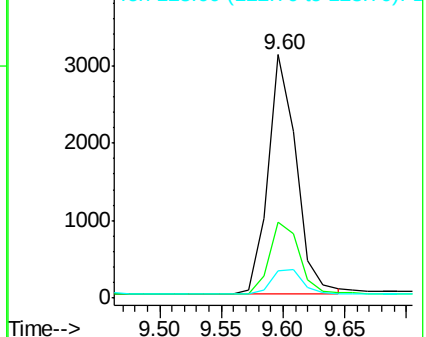
123 11.1 10.2 15.2

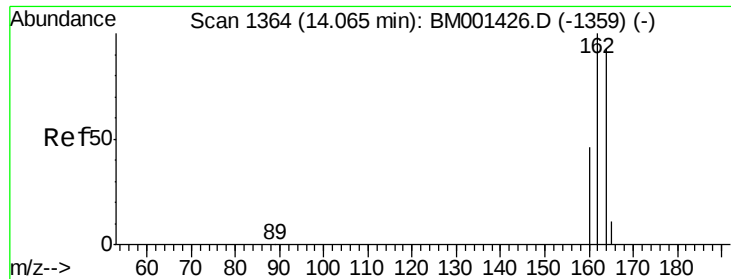


Abundance Ion 93.00 (92.70 to 93.70): BM001425.D (-770) (-)

Ion 95.00 (94.70 to 95.70): BM001425.D (-770) (-)

Ion 123.00 (122.70 to 123.70): BM001425.D (-770) (-)





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

Instrument :

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ClientSampleId :

SSTDICC002

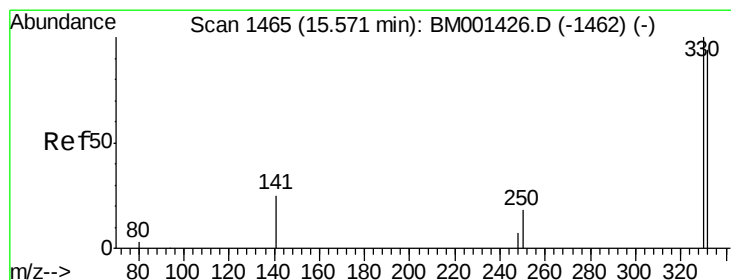
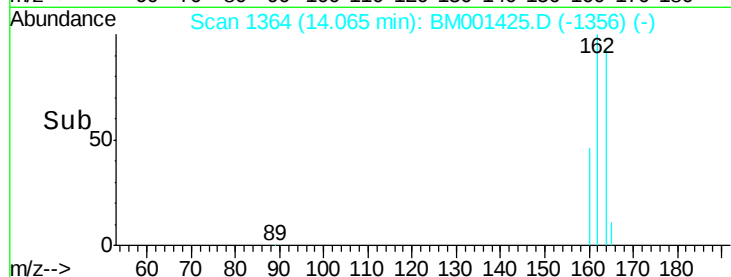
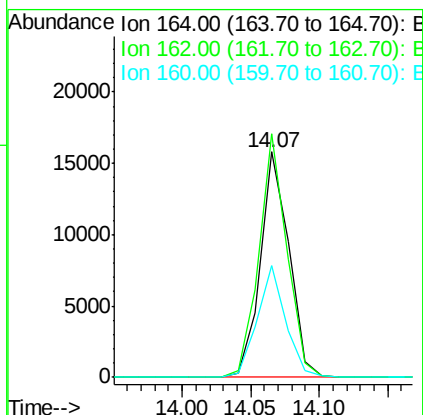
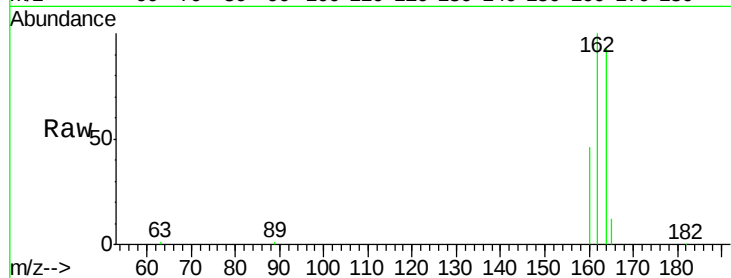
Tgt Ion:164 Resp: 22556

Ion Ratio Lower Upper

164 100

162 108.1 86.2 129.2

160 49.5 39.4 59.2



#10

2,4,6-Tribromophenol

Concen: 2.26 ng

RT: 15.57 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

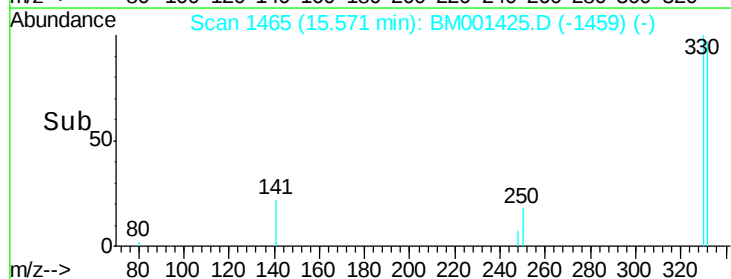
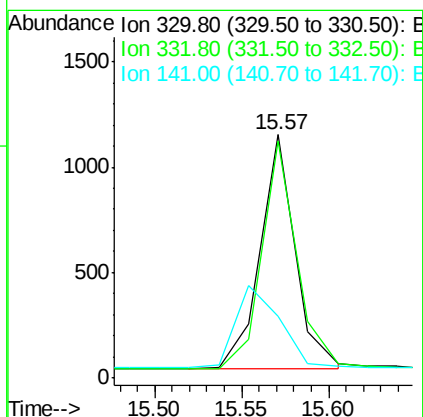
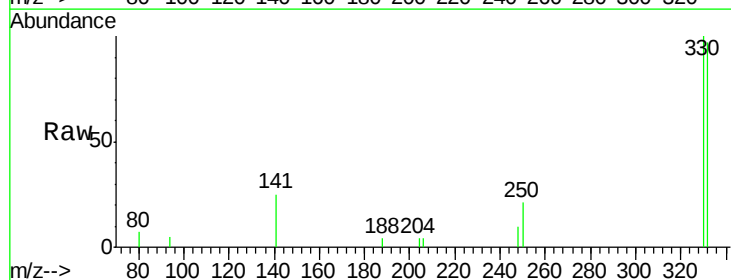
Tgt Ion:330 Resp: 1555

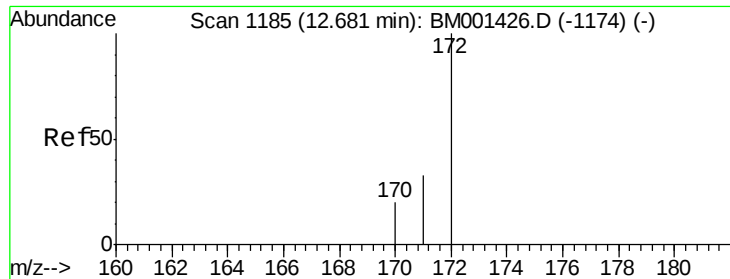
Ion Ratio Lower Upper

330 100

332 96.9 76.3 114.5

141 44.2 35.0 52.4

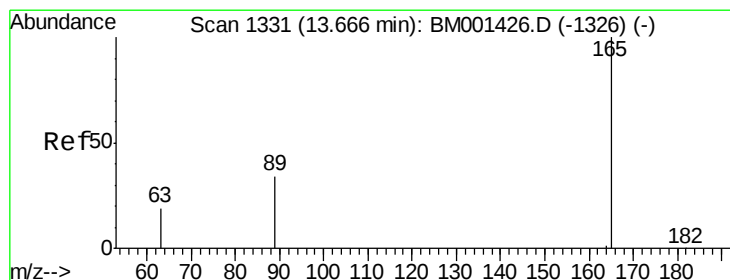
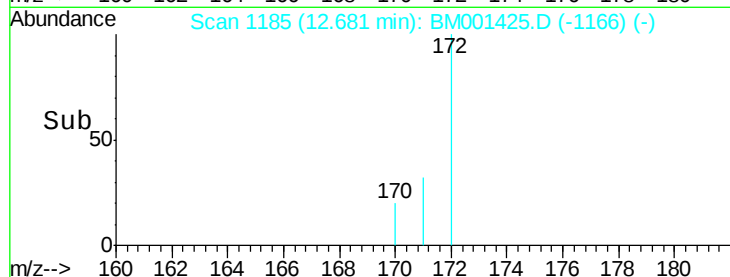
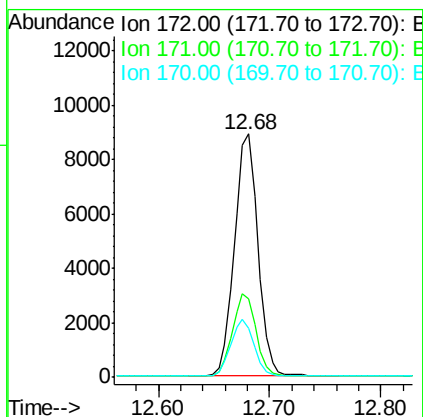
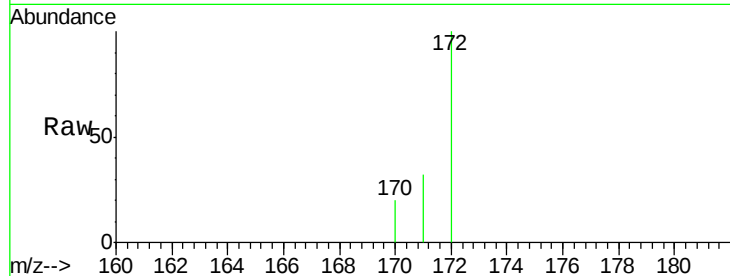




#11
2-Fluorobiphenyl
Concen: 2.06 ng
RT: 12.68 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BM001425.D
Acq: 28 May 2015 11:20

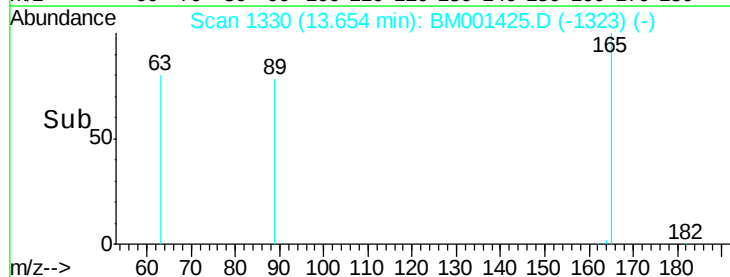
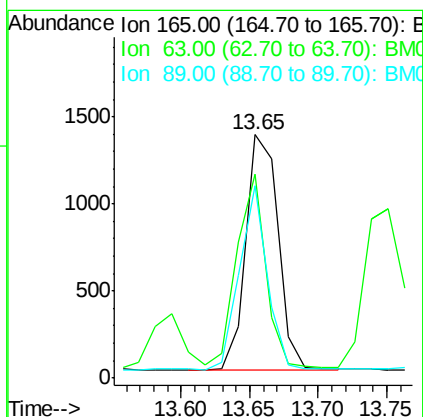
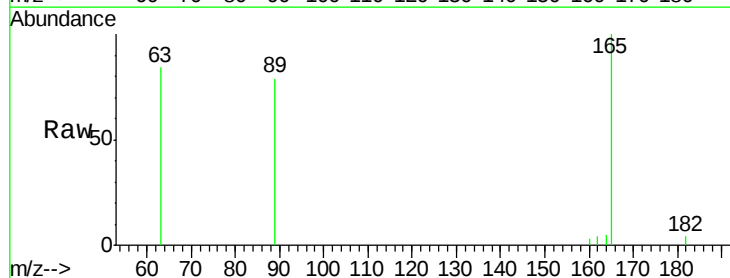
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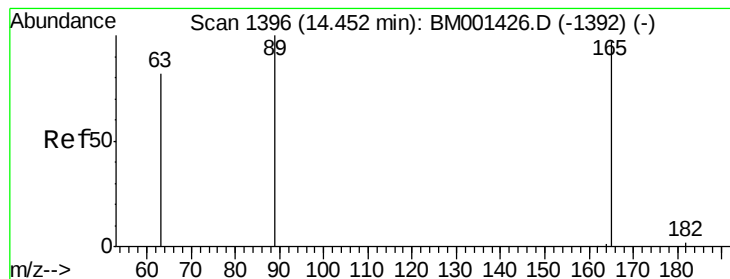
Tgt Ion:172 Resp: 13109
Ion Ratio Lower Upper
172 100
171 32.5 26.9 40.3
170 20.1 17.1 25.7



#12
2,6-Dinitrotoluene
Concen: 2.31 ng
RT: 13.65 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BM001425.D
Acq: 28 May 2015 11:20

Tgt Ion:165 Resp: 2194
Ion Ratio Lower Upper
165 100
63 83.8 29.1 43.7#
89 78.9 32.1 48.1#





#13

2,4-Dinitrotoluene

Concen: 2.36 ng

RT: 14.45 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

Tgt Ion:165 Resp: 2609

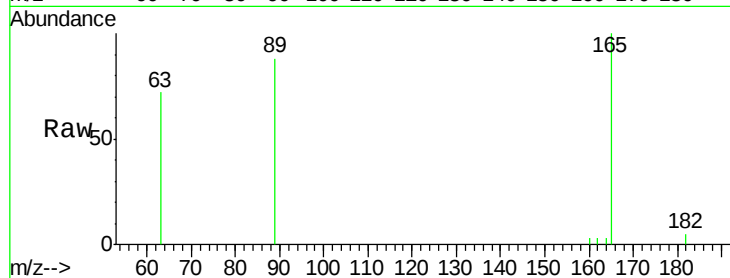
Ion Ratio Lower Upper

165 100

63 72.1 70.6 105.8

89 88.2 82.4 123.6

182 4.8 7.5 11.3#

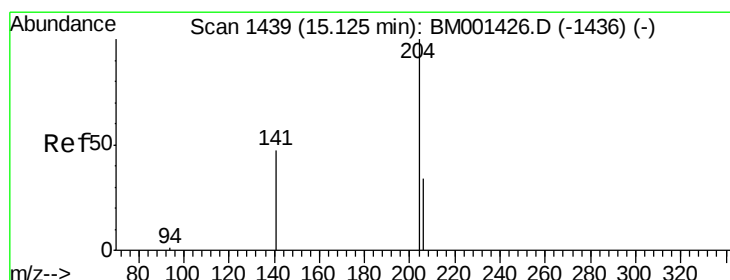
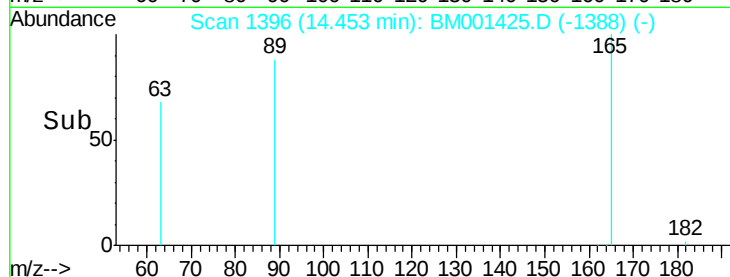
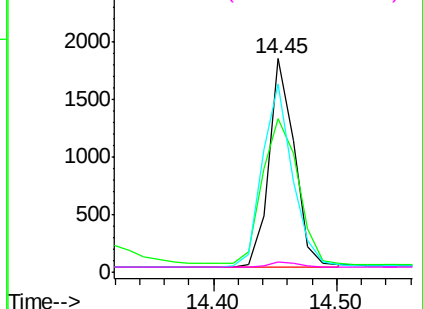


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E



#14

4-Chlorophenyl-phenylether

Concen: 2.13 ng

RT: 15.12 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

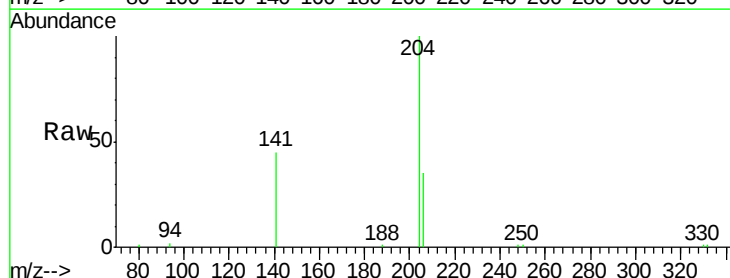
Tgt Ion:204 Resp: 7368

Ion Ratio Lower Upper

204 100

206 35.5 27.8 41.8

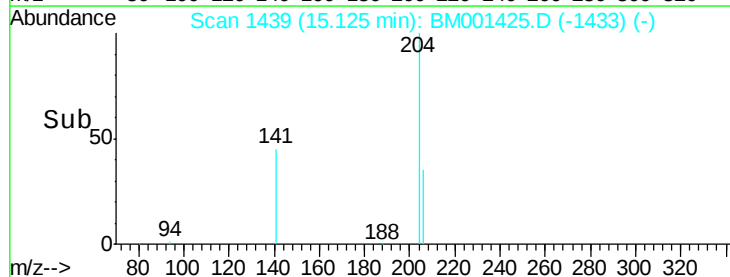
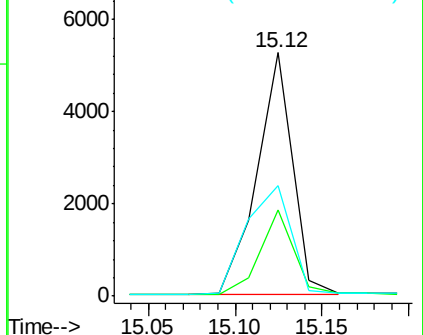
141 45.5 38.2 57.4

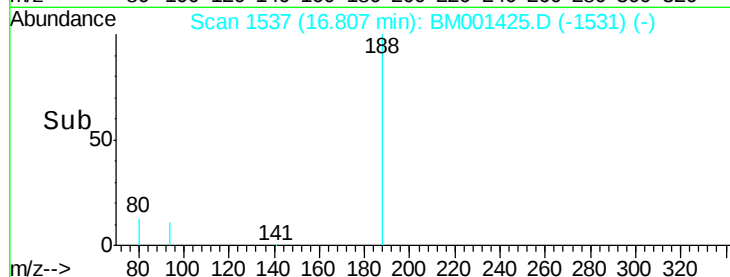
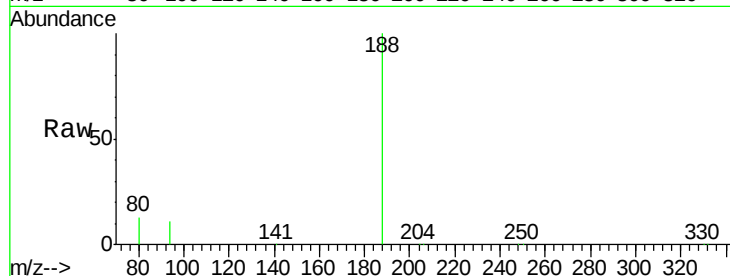
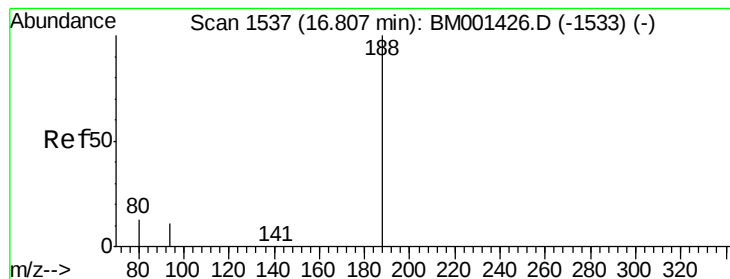


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.81 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

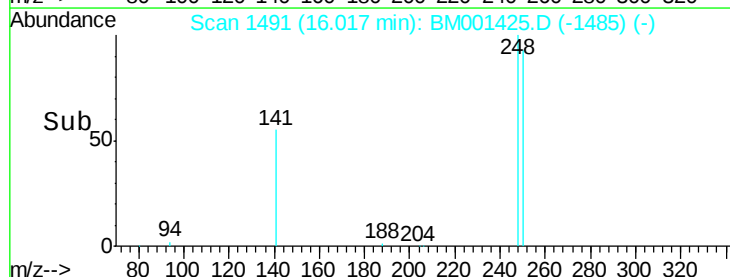
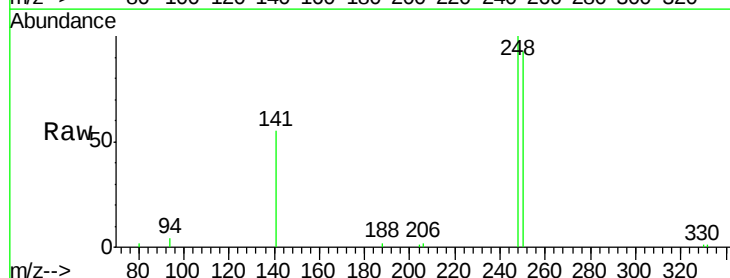
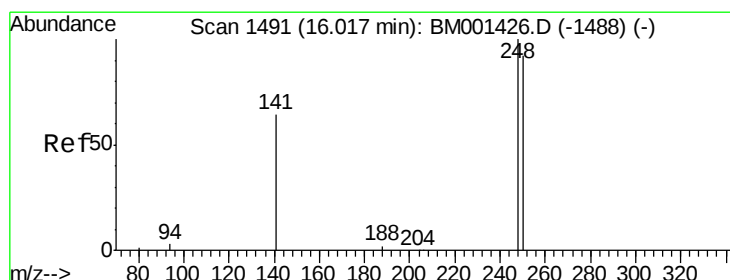
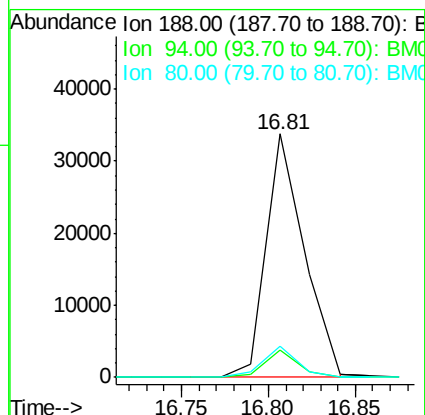
Tgt Ion:188 Resp: 51706

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.4

80 12.9 10.6 15.8



#16

4-Bromophenyl-phenylether

Concen: 2.19 ng

RT: 16.02 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

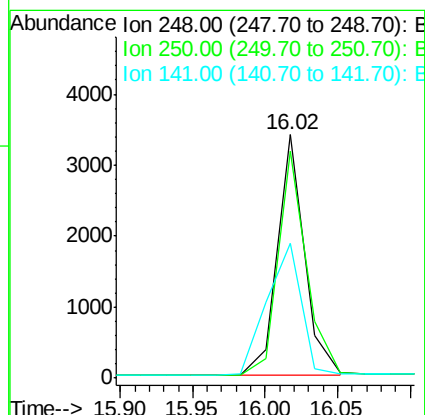
Tgt Ion:248 Resp: 4448

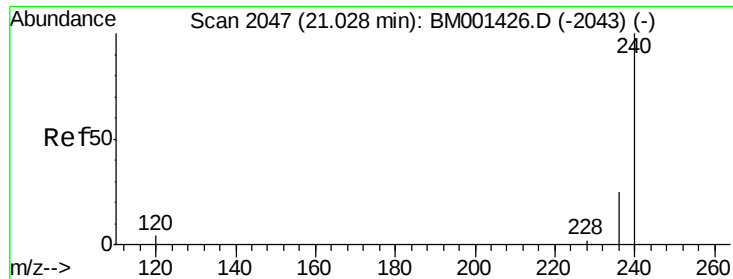
Ion Ratio Lower Upper

248 100

250 93.4 74.1 111.1

141 55.5 52.4 78.6

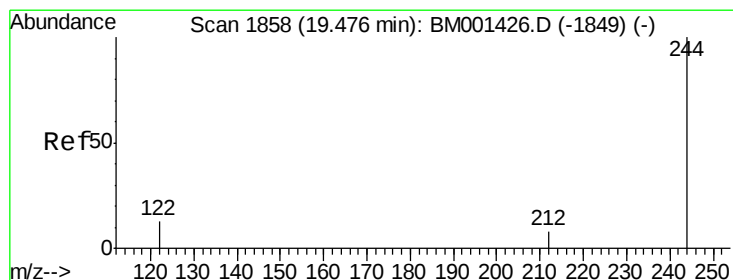
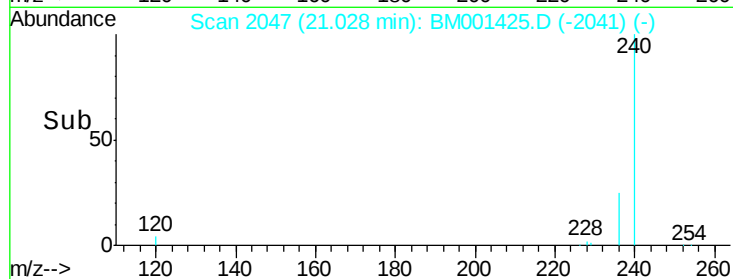
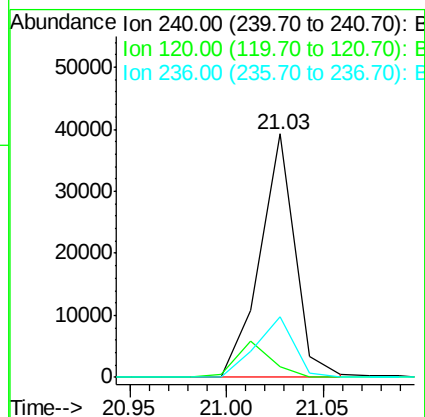
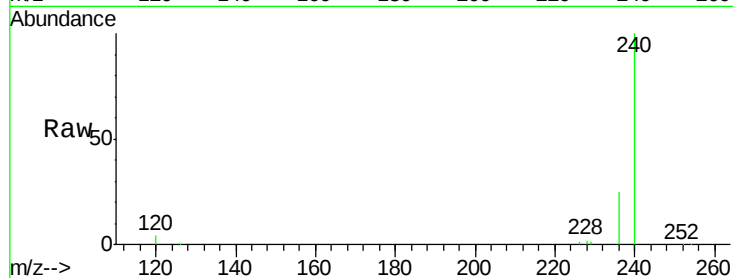




#17
Chrysene-d12
Concen: 5.00 ng
RT: 21.03 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BM001425.D
Acq: 28 May 2015 11:20

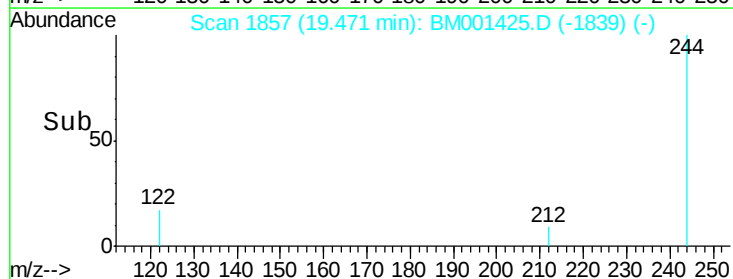
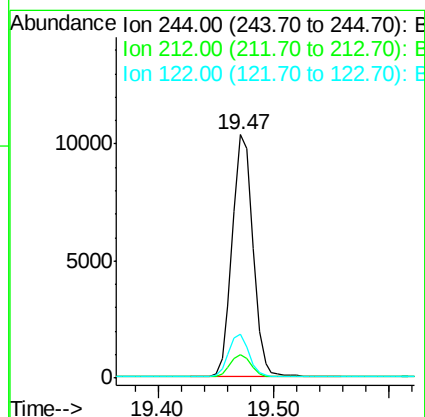
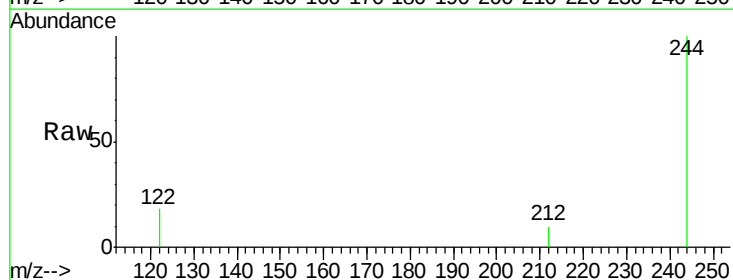
Instrument :
BNA_M
ClientSampleId :
SSTDICC002

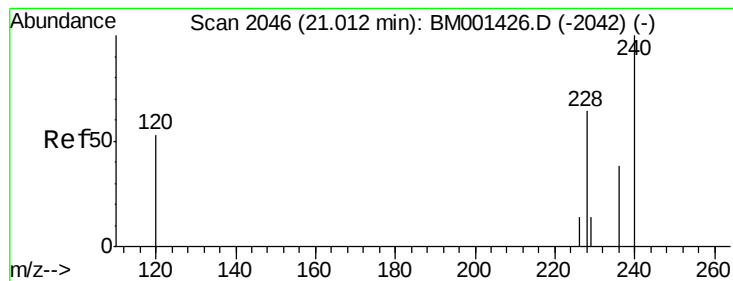
Tgt Ion:240 Resp: 49930
Ion Ratio Lower Upper
240 100
120 4.2 3.2 4.8
236 24.8 19.8 29.6



#18
Terphenyl-d14
Concen: 2.09 ng
RT: 19.47 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BM001425.D
Acq: 28 May 2015 11:20

Tgt Ion:244 Resp: 12927
Ion Ratio Lower Upper
244 100
212 9.8 7.4 11.2
122 17.9 11.4 17.0#





#19

Benzo(a)anthracene

Concen: 8.26 ng

RT: 21.01 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

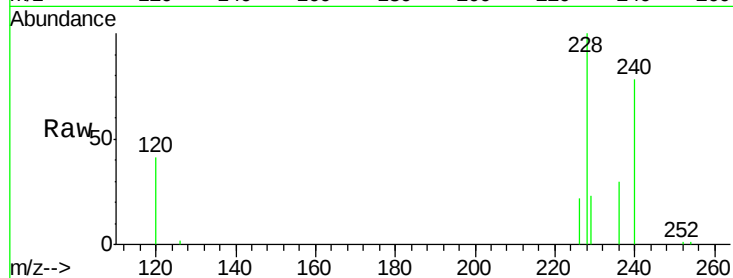
Tgt Ion:228 Resp: 25070

Ion Ratio Lower Upper

228 100

226 22.0 18.2 27.2

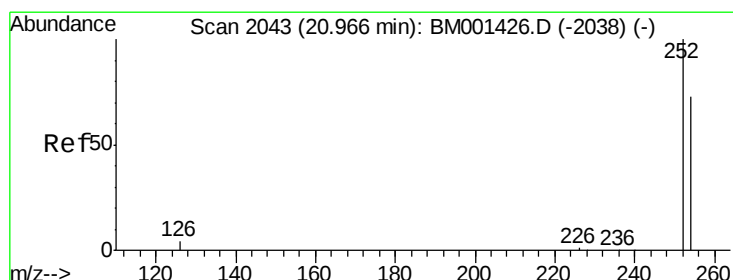
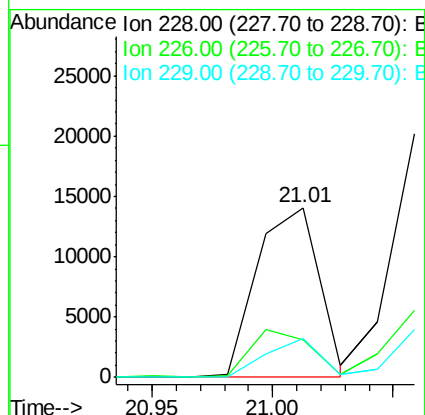
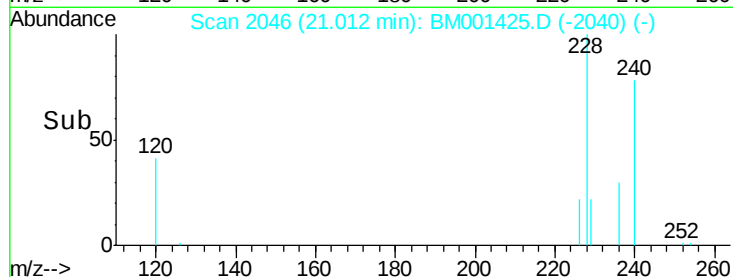
229 22.7 17.8 26.8



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: 2.19 ng

RT: 20.97 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BM001425.D

Acq: 28 May 2015 11:20

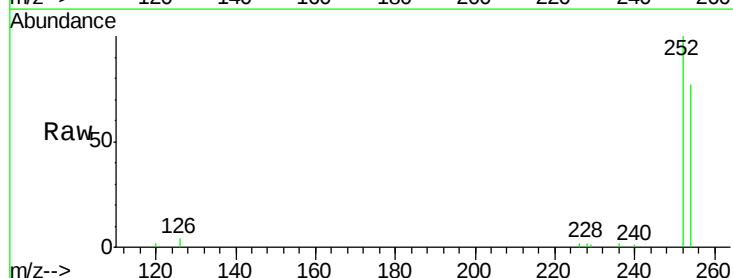
Tgt Ion:252 Resp: 6891

Ion Ratio Lower Upper

252 100

254 76.8 59.0 88.6

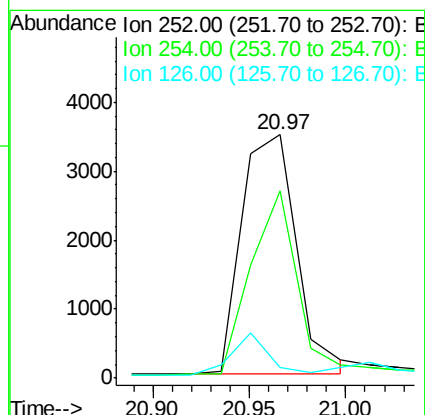
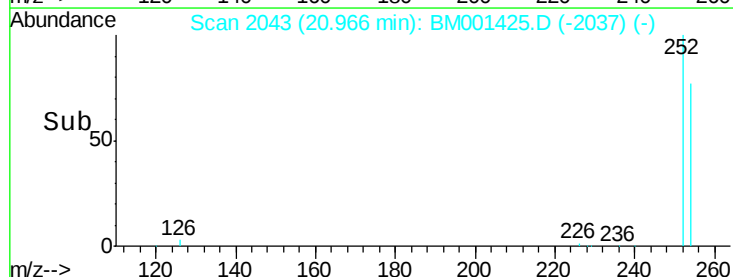
126 4.2 5.9 8.9#

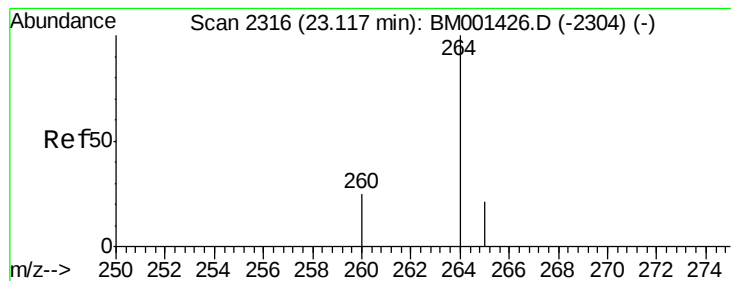


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#21
Perylene-d12
Concen: 5.00 ng
RT: 23.12 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BM001425.D
Acq: 28 May 2015 11:20

Instrument :
BNA_M
ClientSampleId :
SSTDIC002

Tgt Ion: 264 Resp: 42932
Ion Ratio Lower Upper
264 100
260 25.1 20.1 30.1
265 21.5 17.3 25.9

