

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052815\
 Data File : BM001429.D
 Acq On : 28 May 2015 14:21
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.2

Quant Time: May 28 15:27:28 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	10723	5.00	ng	0.00
6) Naphthalene-d8	10.16	136	32121	5.00	ng	0.00
9) Acenaphthene-d10	14.07	164	19308	5.00	ng	0.00
15) Phenanthrene-d10	16.81	188	43000	5.00	ng	0.00
17) Chrysene-d12	21.02	240	40739	5.00	ng	0.00
21) Perylene-d12	23.12	264	37104	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.99	112	307	0.18	ng	0.00
3) Phenol-d6	6.59	99	316	0.18	ng	0.00
7) Nitrobenzene-d5	8.53	82	300	0.17	ng	0.00
10) 2,4,6-Tribromophenol	15.57	330	95	0.16	ng	0.00
11) 2-Fluorobiphenyl	12.68	172	1051	0.19	ng	0.00
18) Terphenyl-d14	19.48	244	984	0.20	ng	0.00

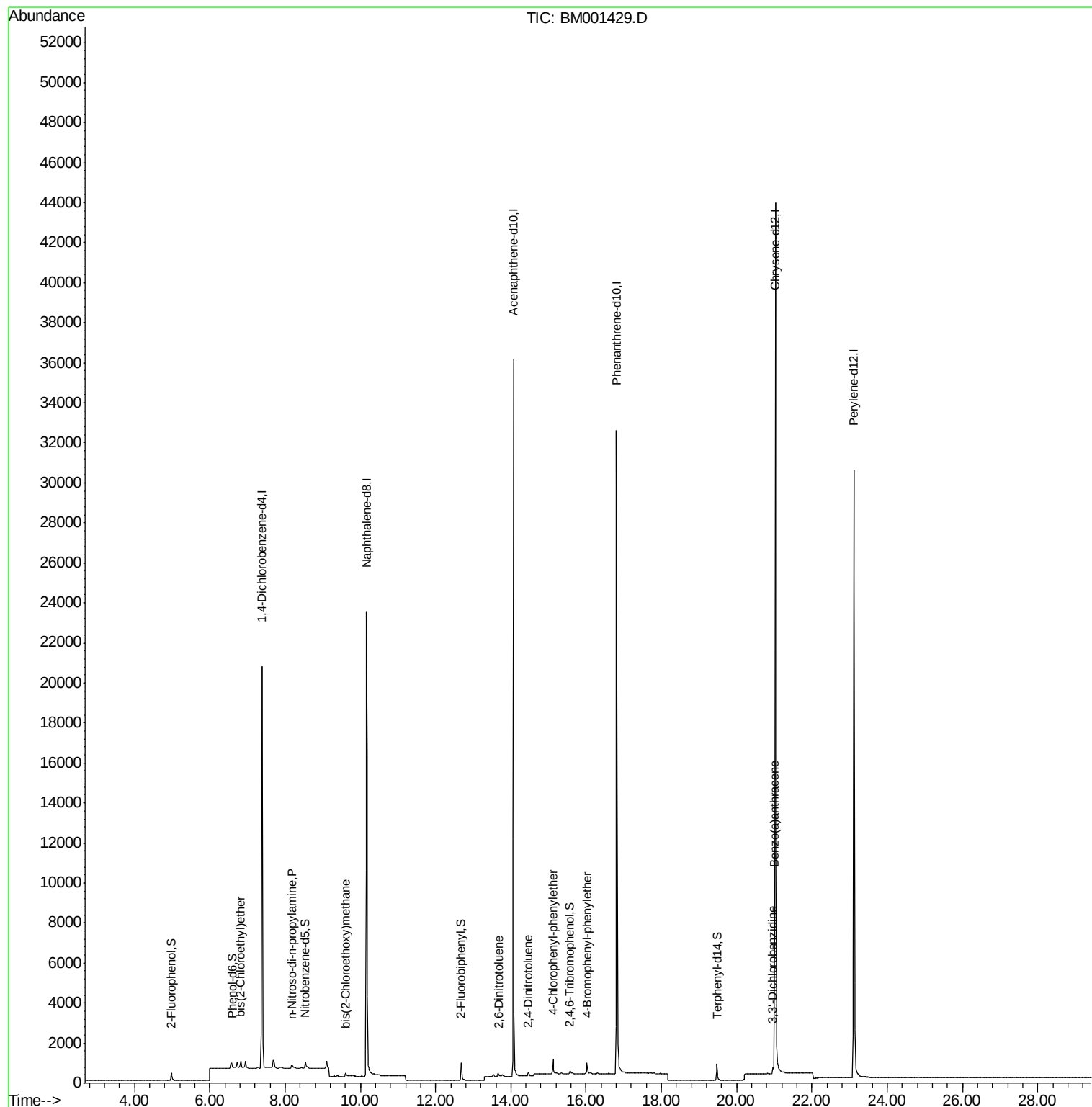
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) bis(2-Chloroethyl)ether	6.82	93	369	0.19	ng	73
5) n-Nitroso-di-n-propylamine	8.18	70	201	0.18	ng	# 82
8) bis(2-Chloroethoxy)methane	9.61	93	226	0.13	ng	# 50
12) 2,6-Dinitrotoluene	13.67	165	118	0.14	ng	# 45
13) 2,4-Dinitrotoluene	14.46	165	113	0.12	ng	# 74
14) 4-Chlorophenyl-phenylether	15.12	204	567	0.19	ng	# 86
16) 4-Bromophenyl-phenylether	16.02	248	326	0.19	ng	# 92
19) Benzo(a)anthracene	21.01	228	2130	0.86	ng	# 94
20) 3,3'-Dichlorobenzidine	20.96	252	360	0.14	ng	# 85

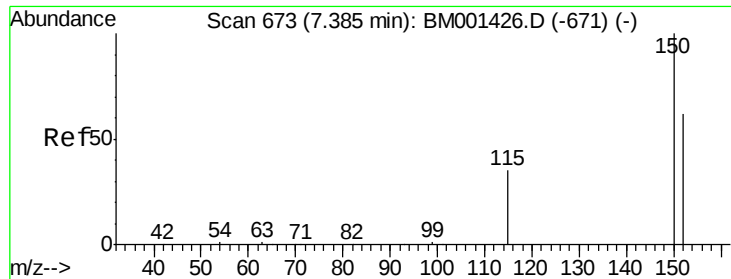
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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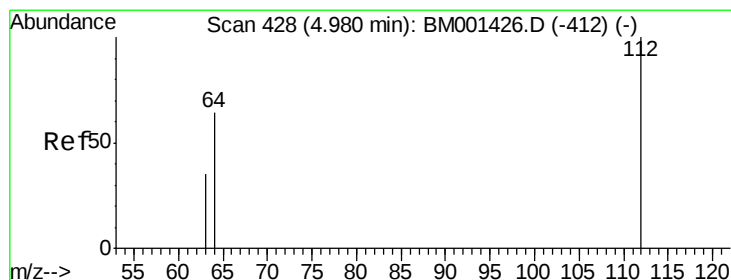
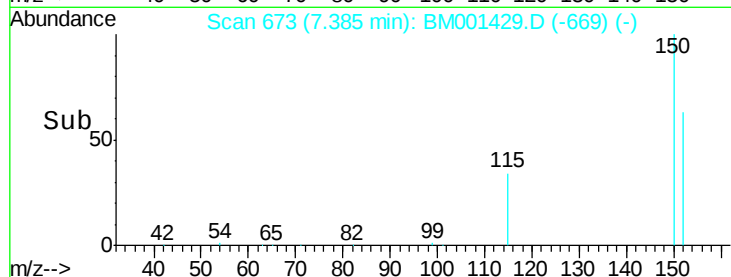
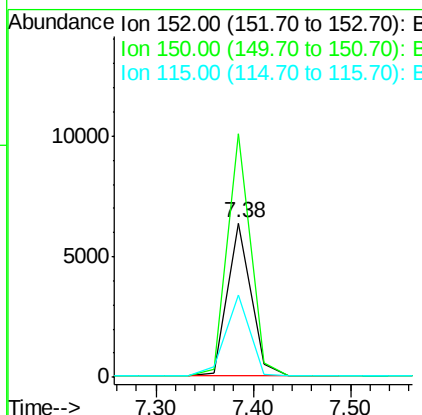
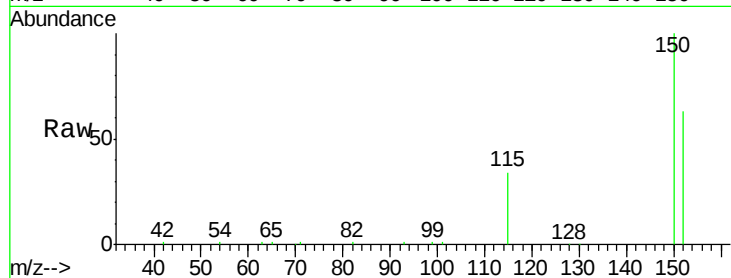


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.38 min Scan# 673
Delta R.T. 0.00 min
Lab File: BM001429.D
Acq: 28 May 2015 14:21

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

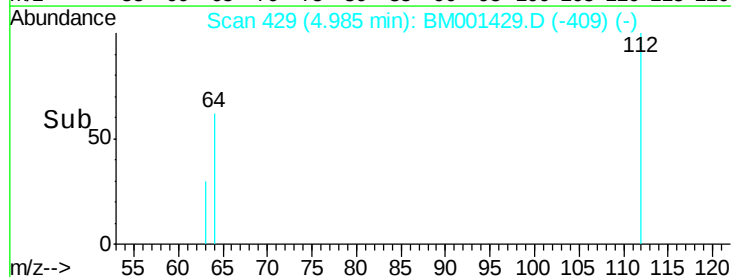
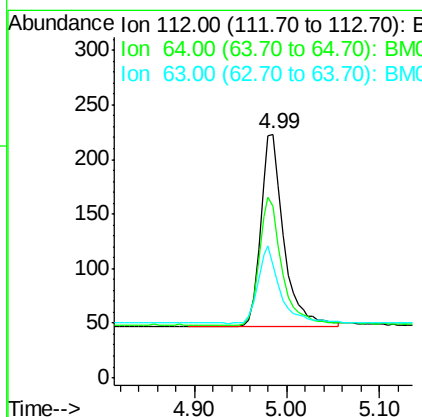
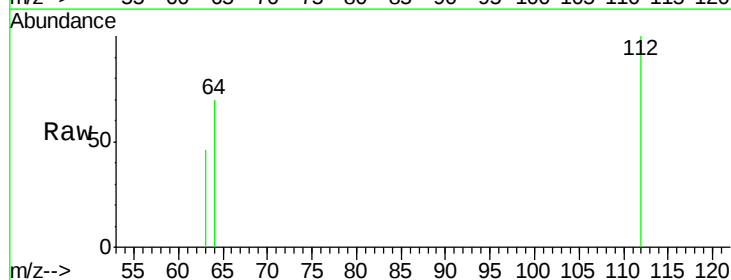
Tgt Ion:152 Resp: 10723
Ion Ratio Lower Upper
152 100
150 157.8 128.4 192.6
115 53.4 45.6 68.4

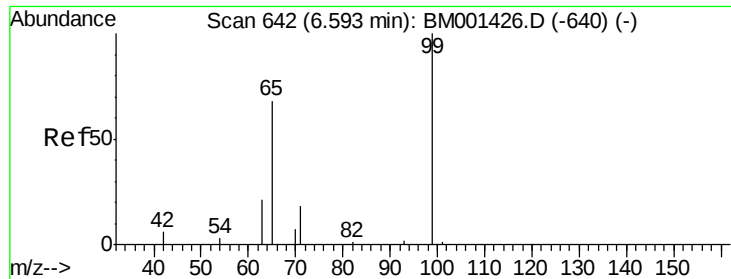


#2

2-Fluorophenol
Concen: 0.18 ng
RT: 4.99 min Scan# 429
Delta R.T. 0.01 min
Lab File: BM001429.D
Acq: 28 May 2015 14:21

Tgt Ion:112 Resp: 307
Ion Ratio Lower Upper
112 100
64 70.4 52.1 78.1
63 46.2 30.2 45.2#





#3

Phenol-d6

Concen: 0.18 ng

RT: 6.59 min Scan# 642

Delta R.T. 0.00 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

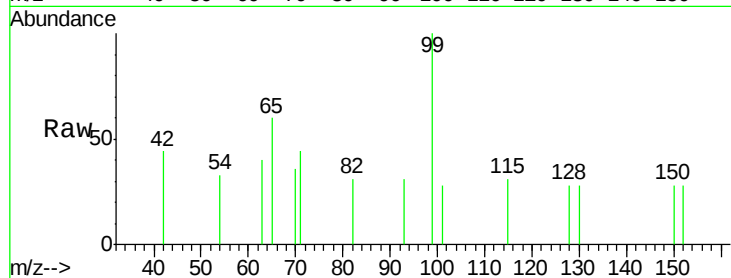
Tgt Ion: 99 Resp: 316

Ion Ratio Lower Upper

99 100

42 43.8 13.7 20.5#

71 44.4 19.8 29.6#



Abundance Ion 99.00 (98.70 to 99.70): BM001429.D (-638) (-)

Ion 42.00 (41.70 to 42.70): BM001429.D (-638) (-)

Ion 71.00 (70.70 to 71.70): BM001429.D (-638) (-)

6.59

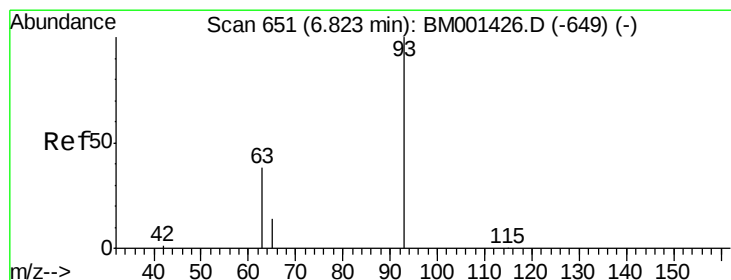
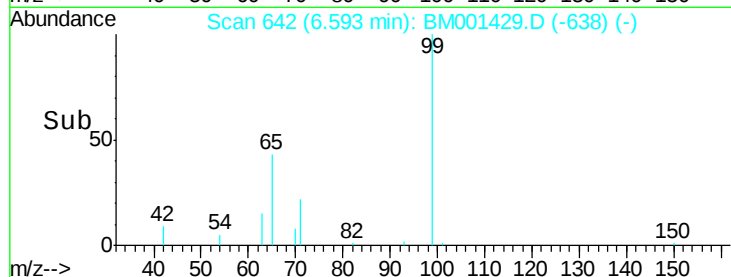
150

100

50

0

Time-->



#4

bis(2-Chloroethyl)ether

Concen: 0.19 ng

RT: 6.82 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

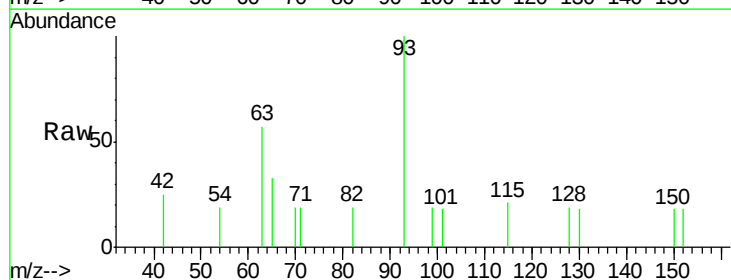
Tgt Ion: 93 Resp: 369

Ion Ratio Lower Upper

93 100

63 56.6 20.0 60.0

95 0.0 0.0 20.0



Abundance Ion 93.00 (92.70 to 93.70): BM001429.D (-647) (-)

Ion 63.00 (62.70 to 63.70): BM001429.D (-647) (-)

Ion 95.00 (94.70 to 95.70): BM001429.D (-647) (-)

6.82

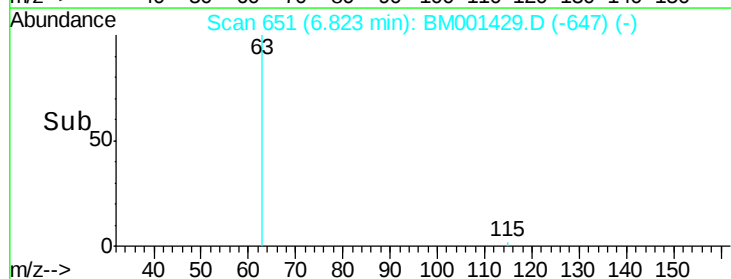
300

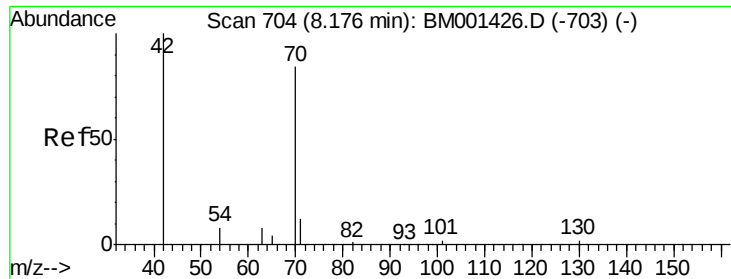
200

100

0

Time-->





#5

n-Nitroso-di-n-propylamine

Concen: 0.18 ng

RT: 8.18 min Scan# 704

Delta R.T. 0.00 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

Tgt Ion: 70 Resp: 201

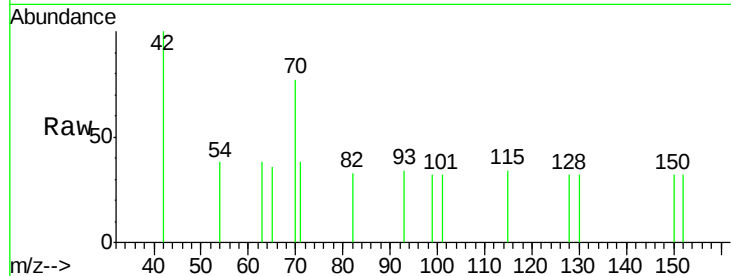
Ion Ratio Lower Upper

70 100

42 130.2 97.8 146.6

101 42.2 8.2 12.2#

130 41.4 7.5 11.3#

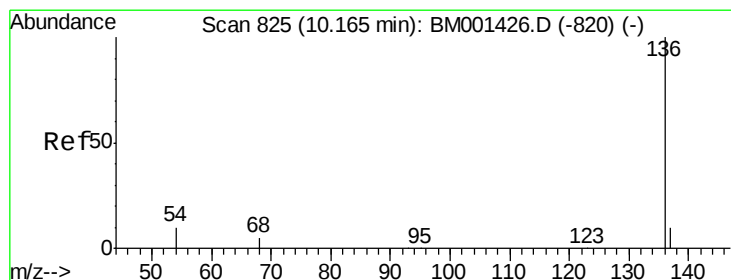
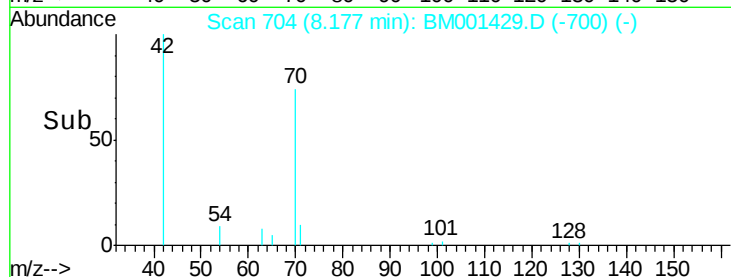
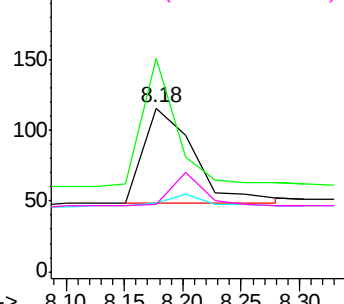


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.16 min Scan# 825

Delta R.T. 0.00 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

Tgt Ion: 136 Resp: 32121

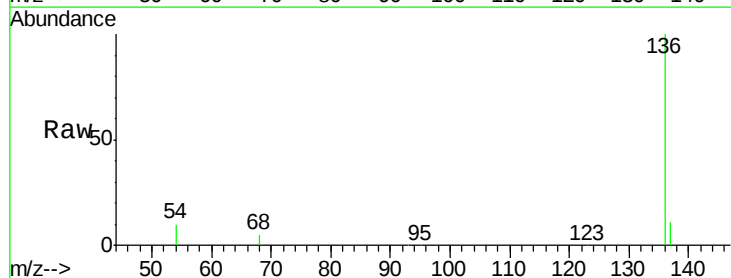
Ion Ratio Lower Upper

136 100

137 10.6 8.3 12.5

54 10.3 8.2 12.4

68 5.5 4.5 6.7

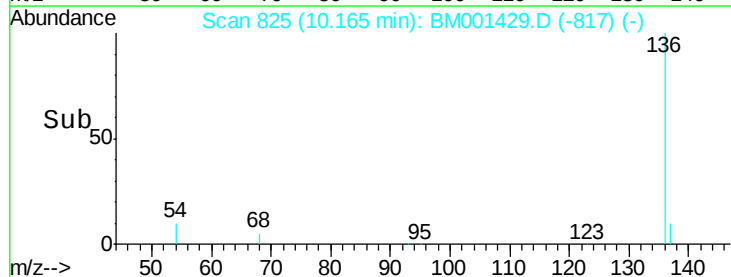
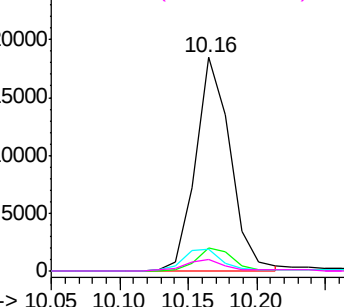


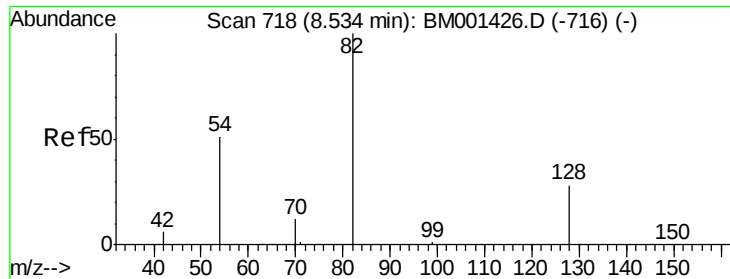
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0





#7

Nitrobenzene-d5

Concen: 0.17 ng

RT: 8.53 min Scan# 718

Delta R.T. 0.00 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

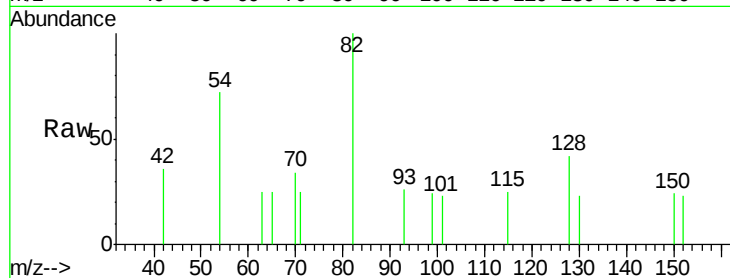
Tgt Ion: 82 Resp: 300

Ion Ratio Lower Upper

82 100

128 42.3 24.4 36.6#

54 71.6 42.3 63.5#

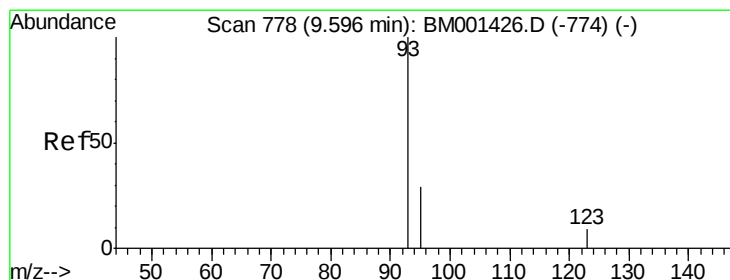
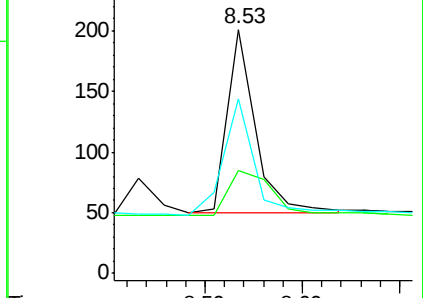
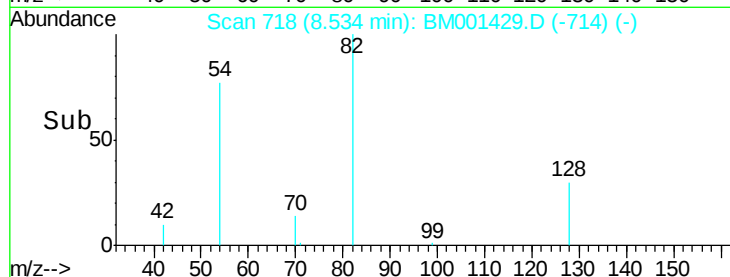


Abundance Ion 82.00 (81.70 to 82.70): BM001429.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BM001429.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BM001429.D (-714) (-)

Time-->



#8

bis(2-Chloroethoxy)methane

Concen: 0.13 ng

RT: 9.61 min Scan# 779

Delta R.T. 0.01 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

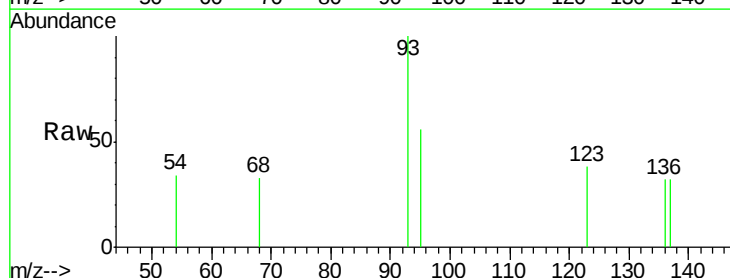
Tgt Ion: 93 Resp: 226

Ion Ratio Lower Upper

93 100

95 55.7 25.3 37.9#

123 38.3 10.2 15.2#

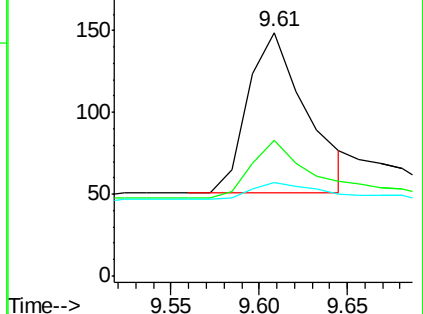
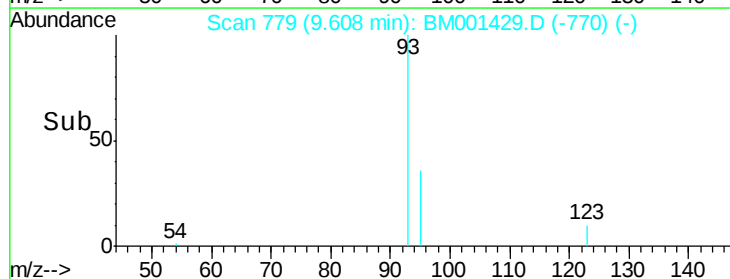


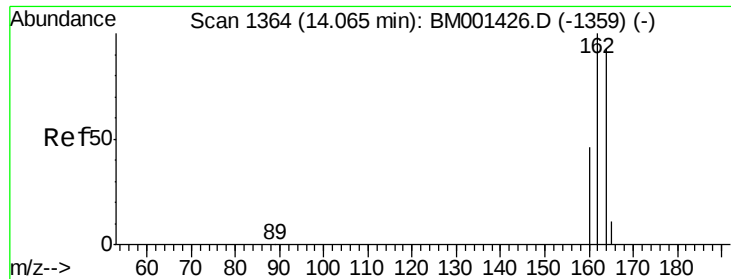
Abundance Ion 93.00 (92.70 to 93.70): BM001429.D (-770) (-)

Ion 95.00 (94.70 to 95.70): BM001429.D (-770) (-)

Ion 123.00 (122.70 to 123.70): BM001429.D (-770) (-)

Time-->





#9

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.07 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

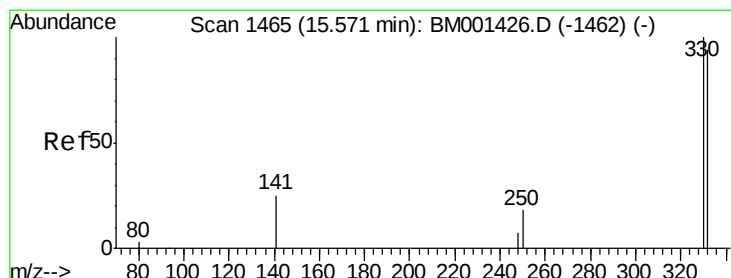
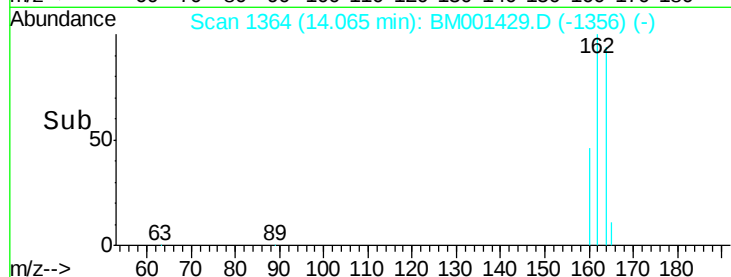
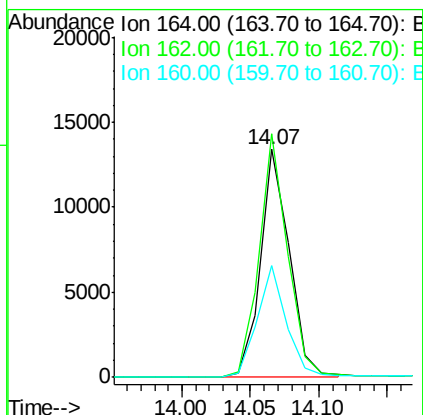
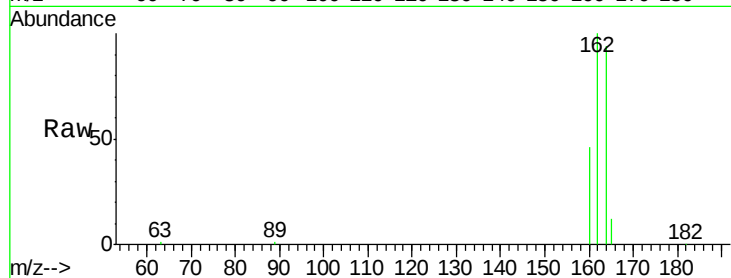
Tgt Ion:164 Resp: 19308

Ion Ratio Lower Upper

164 100

162 106.9 86.2 129.2

160 49.0 39.4 59.2



#10

2,4,6-Tribromophenol

Concen: 0.16 ng

RT: 15.57 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

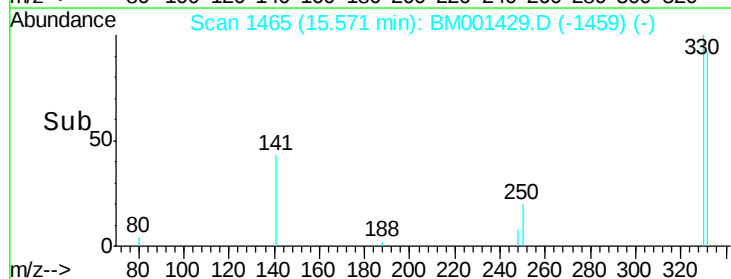
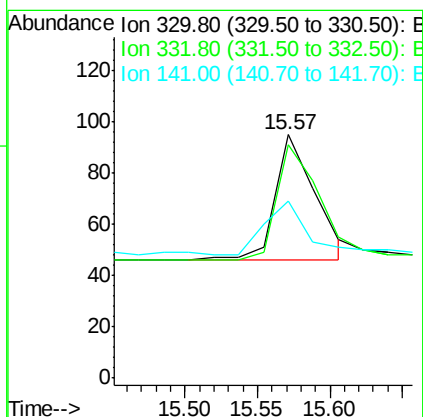
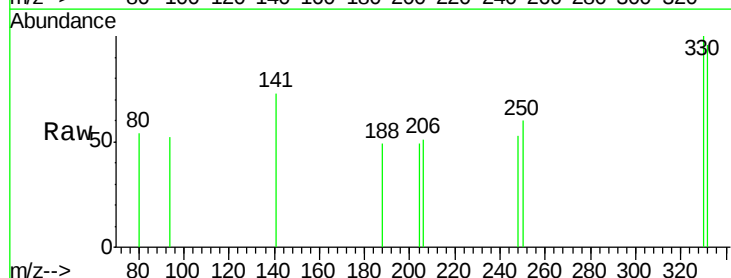
Tgt Ion:330 Resp: 95

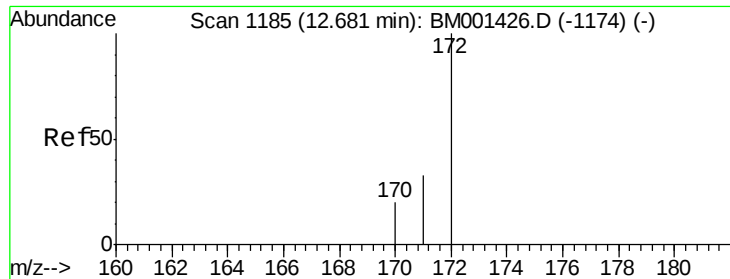
Ion Ratio Lower Upper

330 100

332 95.8 76.3 114.5

141 44.2 35.0 52.4

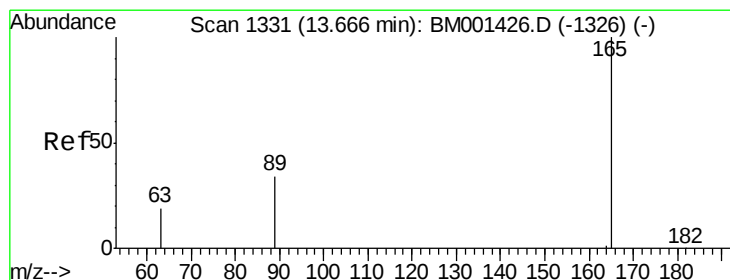
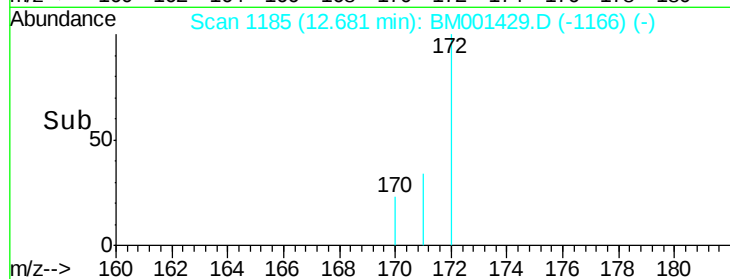
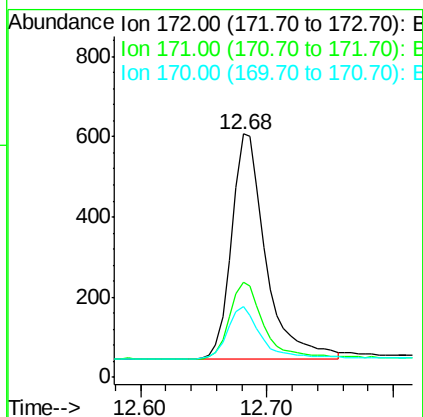
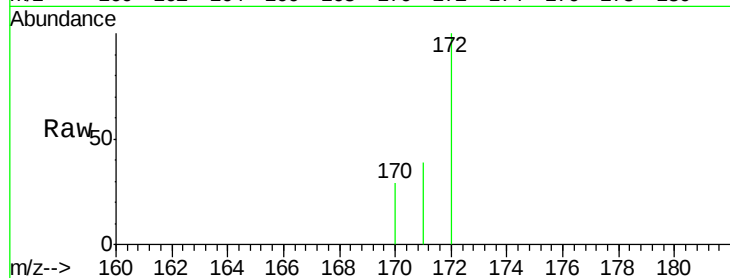




#11
2-Fluorobiphenyl
Concen: 0.19 ng
RT: 12.68 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BM001429.D
Acq: 28 May 2015 14:21

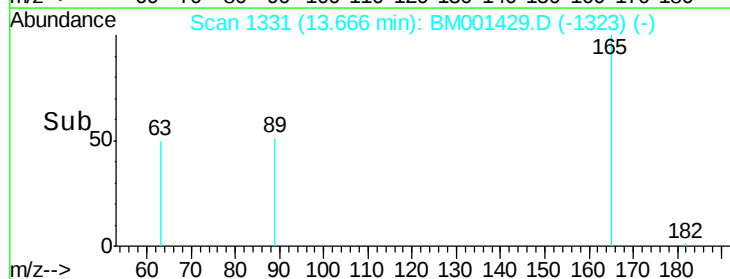
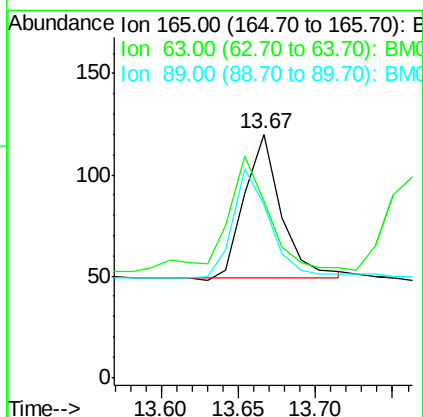
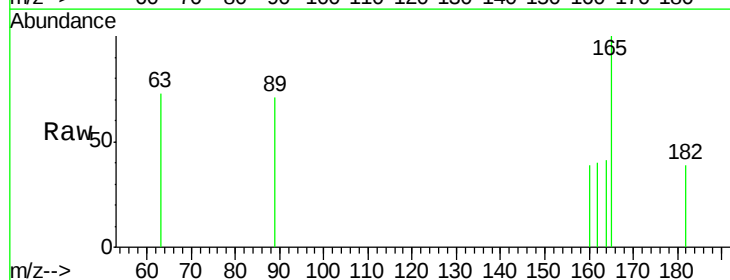
Instrument :
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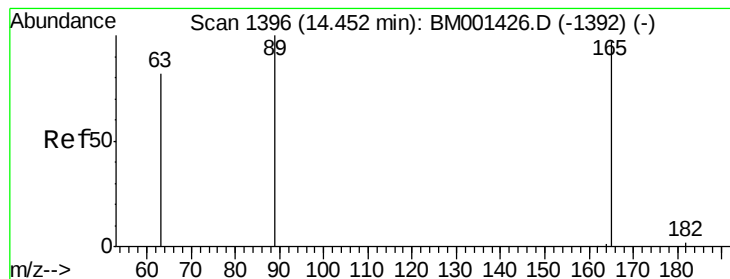
Tgt Ion:172 Resp: 1051
Ion Ratio Lower Upper
172 100
171 39.2 26.9 40.3
170 29.2 17.1 25.7#



#12
2,6-Dinitrotoluene
Concen: 0.14 ng
RT: 13.67 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BM001429.D
Acq: 28 May 2015 14:21

Tgt Ion:165 Resp: 118
Ion Ratio Lower Upper
165 100
63 72.5 29.1 43.7#
89 70.8 32.1 48.1#





#13

2,4-Dinitrotoluene

Concen: 0.12 ng

RT: 14.46 min Scan# 1397

Delta R.T. 0.01 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

Tgt Ion:165 Resp: 113

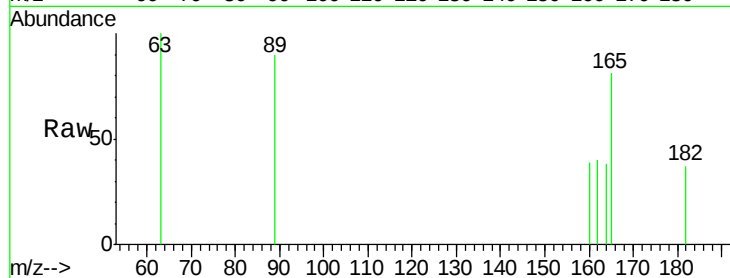
Ion Ratio Lower Upper

165 100

63 123.6 70.6 105.8#

89 111.3 82.4 123.6

182 45.3 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

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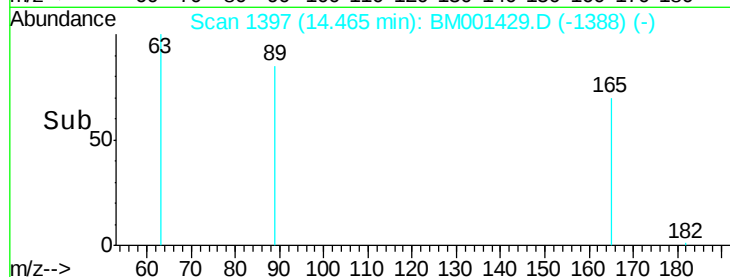
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14.46

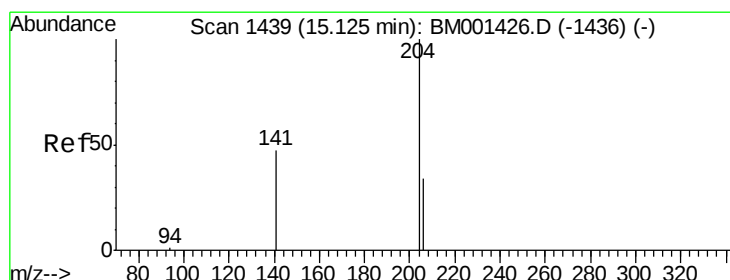
14.46

14.46

14.46



Time--> 14.40 14.45 14.50



#14

4-Chlorophenyl-phenylether

Concen: 0.19 ng

RT: 15.12 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

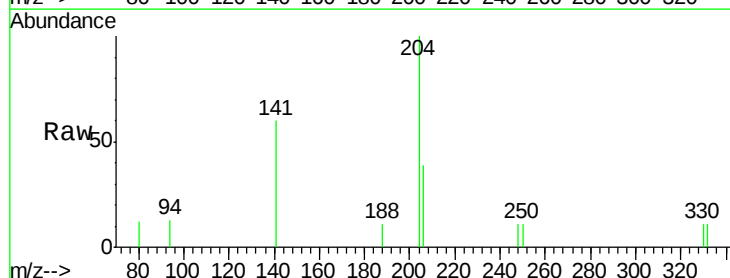
Tgt Ion:204 Resp: 567

Ion Ratio Lower Upper

204 100

206 39.4 27.8 41.8

141 60.1 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

15.12

15.12

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15.12

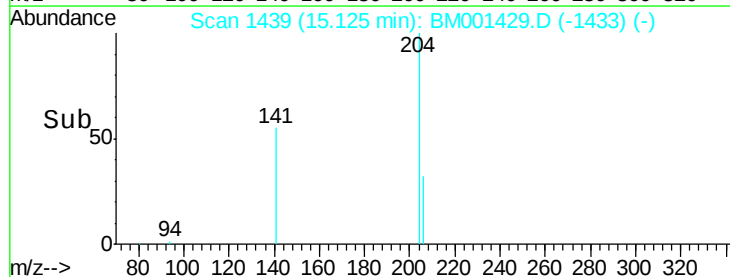
15.12

15.12

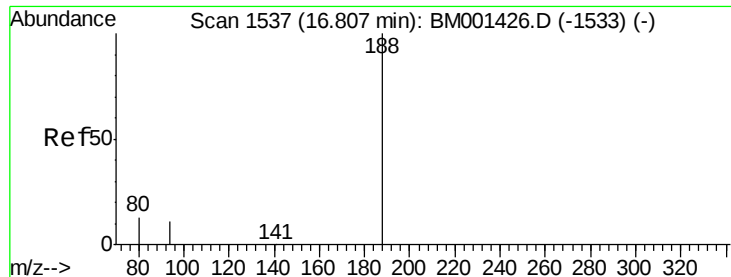
15.12

15.12

15.12



Time--> 15.05 15.10 15.15



#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.81 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

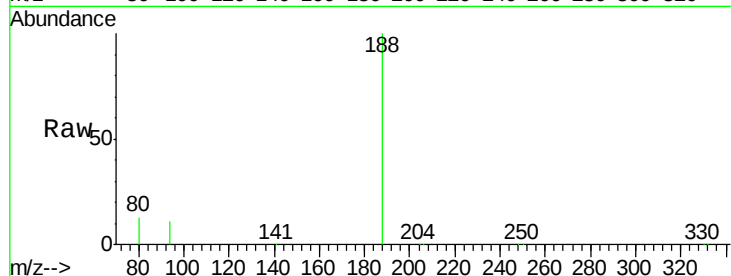
Tgt Ion:188 Resp: 43000

Ion Ratio Lower Upper

188 100

94 10.8 9.0 13.4

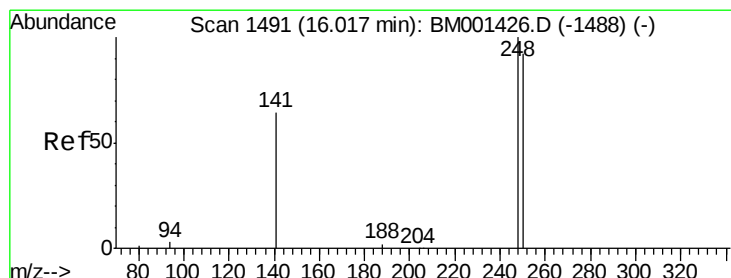
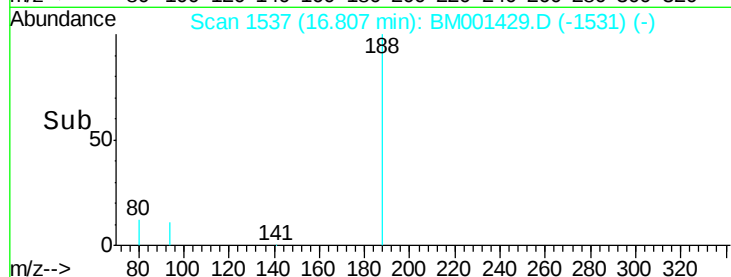
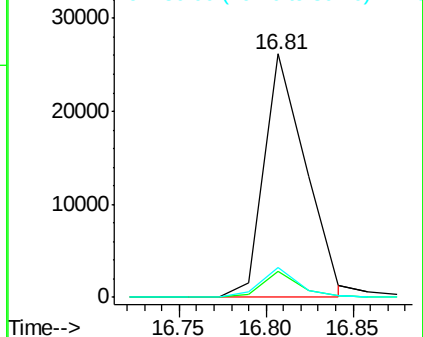
80 12.5 10.6 15.8



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: 0.19 ng

RT: 16.02 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

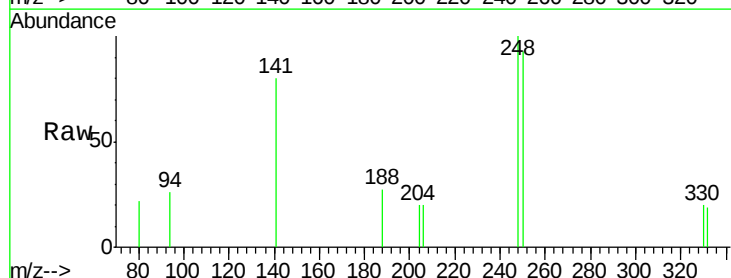
Tgt Ion:248 Resp: 326

Ion Ratio Lower Upper

248 100

250 92.9 74.1 111.1

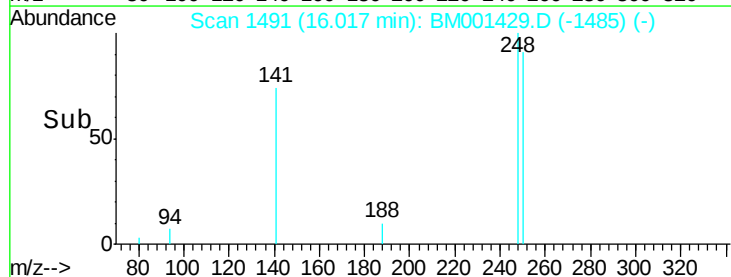
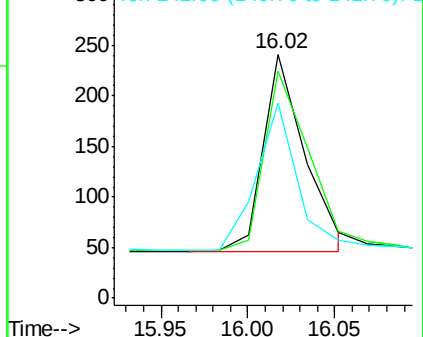
141 80.1 52.4 78.6#

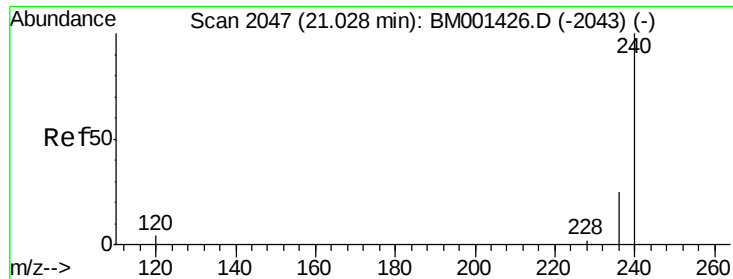


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.02 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

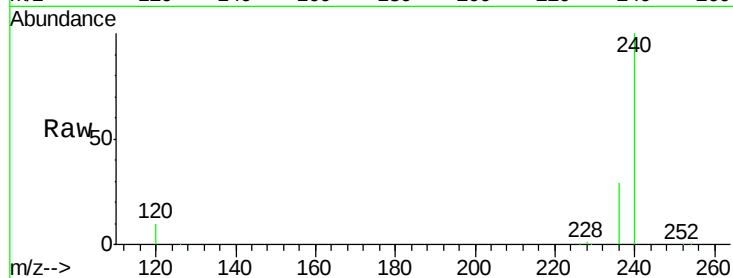
Tgt Ion:240 Resp: 40739

Ion Ratio Lower Upper

240 100

120 9.8 3.2 4.8#

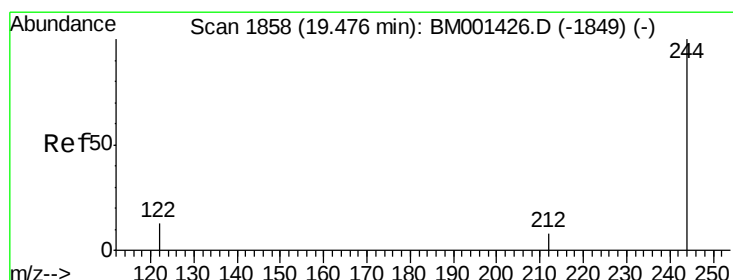
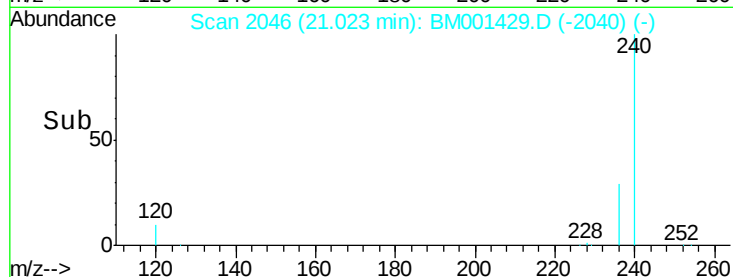
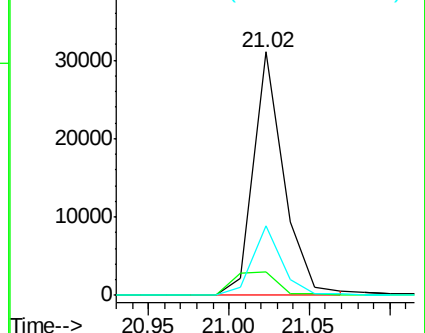
236 28.7 19.8 29.6



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



#18

Terphenyl-d14

Concen: 0.20 ng

RT: 19.48 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

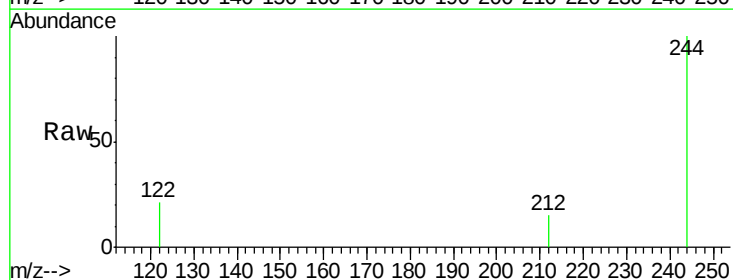
Tgt Ion:244 Resp: 984

Ion Ratio Lower Upper

244 100

212 15.1 7.4 11.2#

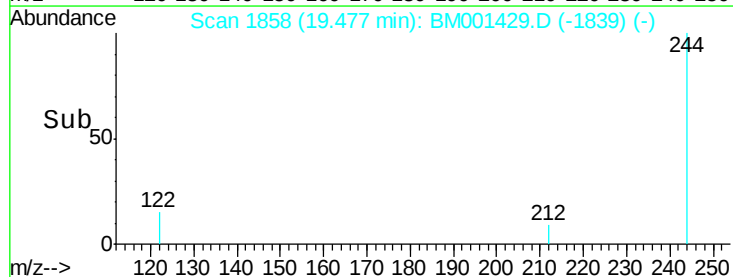
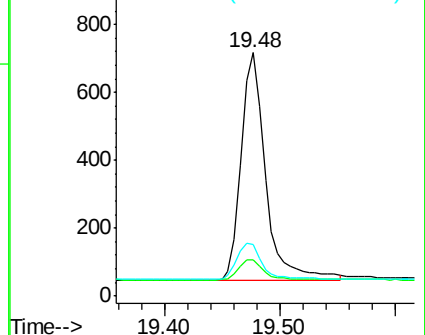
122 20.9 11.4 17.0#

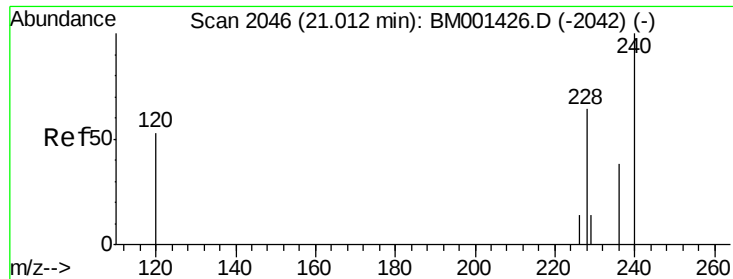


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.86 ng

RT: 21.01 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.2

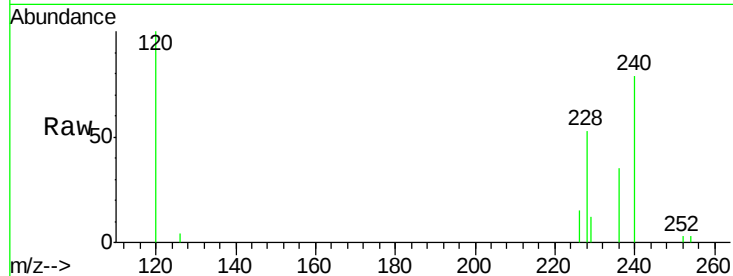
Tgt Ion:228 Resp: 2130

Ion Ratio Lower Upper

228 100

226 28.1 18.2 27.2#

229 22.5 17.8 26.8

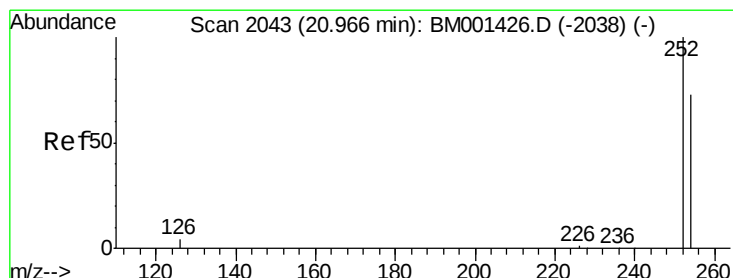
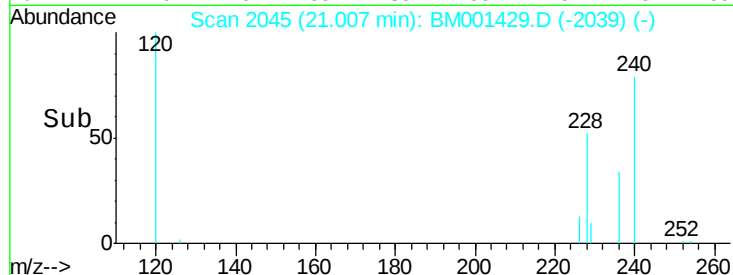
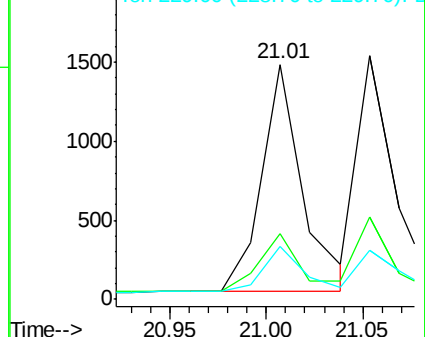


Abundance

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: 0.14 ng

RT: 20.96 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BM001429.D

Acq: 28 May 2015 14:21

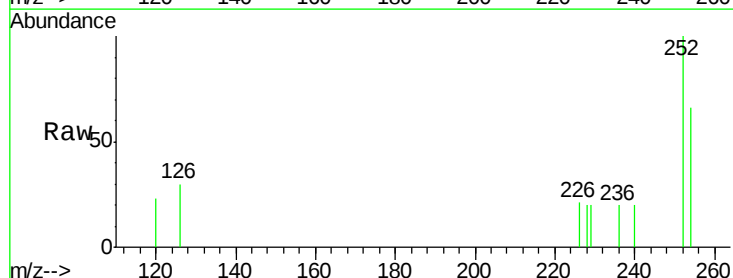
Tgt Ion:252 Resp: 360

Ion Ratio Lower Upper

252 100

254 65.8 59.0 88.6

126 30.4 5.9 8.9#

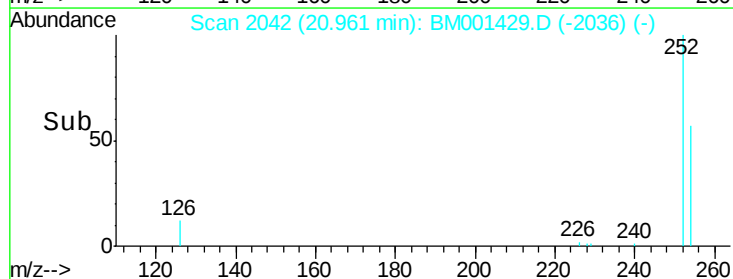
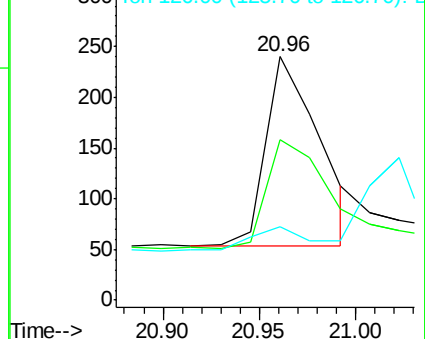


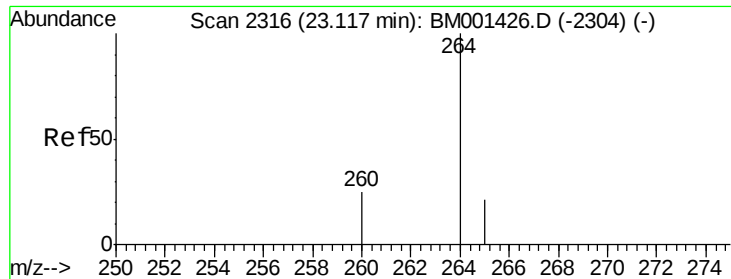
Abundance

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# 2314
Delta R.T. -0.00 min
Lab File: BM001429.D
Acq: 28 May 2015 14:21

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Tgt Ion: 264 Resp: 37104
Ion Ratio Lower Upper
264 100
260 24.6 20.1 30.1
265 22.0 17.3 25.9

