

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012815\
 Data File : BE089396.D
 Acq On : 28 Jan 2015 19:52
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICCC001

Quant Time: Jan 29 01:21:22 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 01:08:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	143079	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	509915	5.00	ng	0.00
13) Acenaphthene-d10	12.21	164	13993	5.00	ng	0.00
17) Phenanthrene-d10	19.98	188	413648	5.00	ng	0.00
20) Chrysene-d12	23.84	240	509738	5.00	ng	0.00
27) Perylene-d12	25.55	264	539120	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.73	112	41287	0.86	ng	0.00
4) Phenol-d6	8.84	99	51342	0.86	ng	0.00
8) Nitrobenzene-d5	10.84	82	33384	0.84	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	4561	4.63	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	58259	4.32	ng	0.00
22) Terphenyl-d14	22.48	244	59923	1.29	ng	0.00

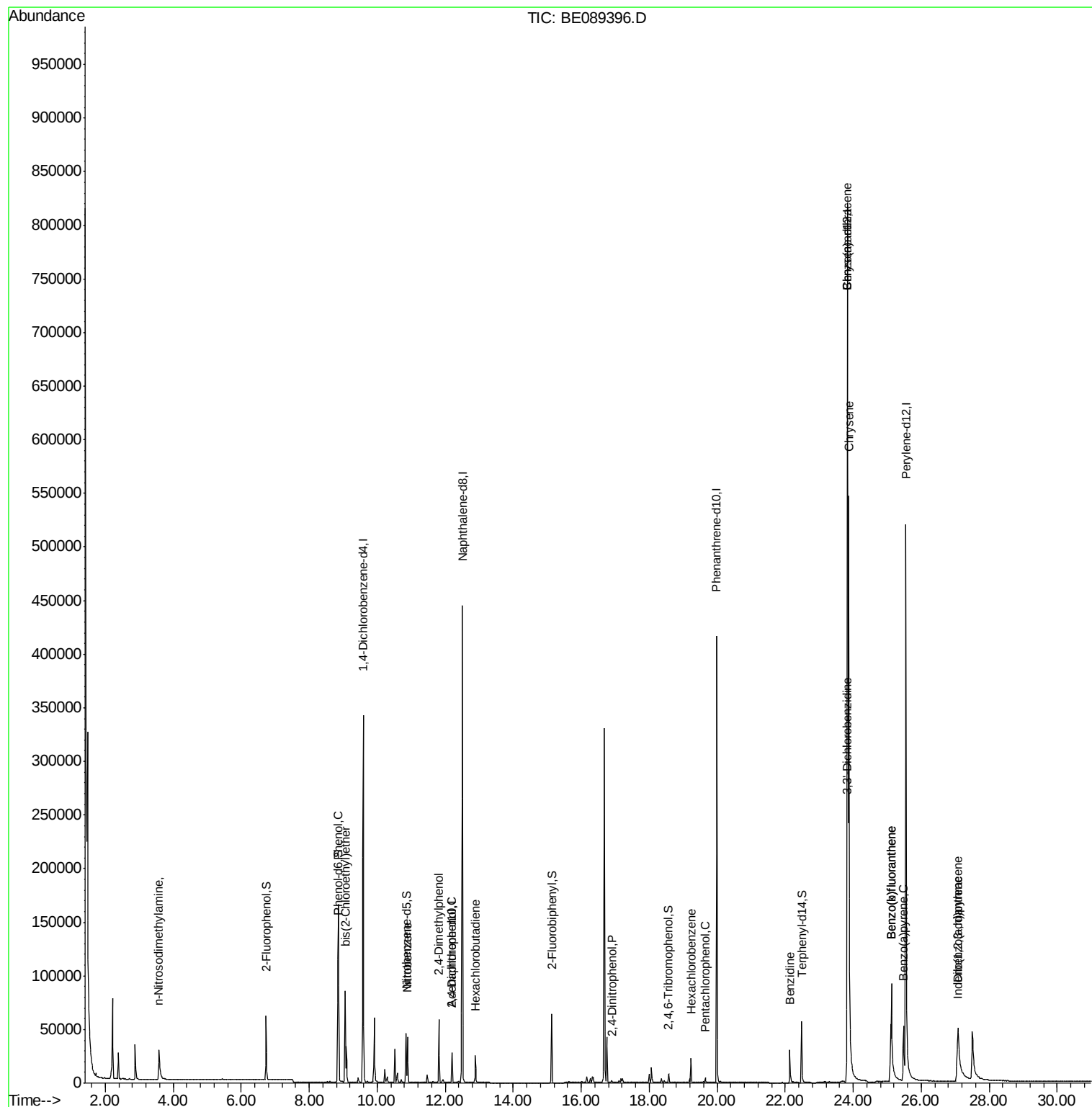
Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	3.57	42	22675	0.95	ng	100
5) Phenol	8.86	94	55468	0.92	ng	100
6) bis(2-Chloroethyl)ether	9.06	93	41188	0.92	ng	# 100
9) Nitrobenzene	10.88	77	38323	0.87	ng	100
10) 2,4-Dimethylphenol	11.82	122	29106	0.80	ng	100
11) 2,4-Dichlorophenol	12.21	162	22551	0.88	ng	100
12) Hexachlorobutadiene	12.89	225	15390	0.91	ng	100
16) 2,4-Dinitrophenol	16.89	184	1078	3.85	ng	100
18) Hexachlorobenzene	19.23	284	17464	0.85	ng	100
19) Pentachlorophenol	19.65	266	2982	0.84	ng	100
21) Benzidine	22.14	184	36001	0.90	ng	100
23) Benzo(a)anthracene	23.83	228	449435	1.27	ng	100
24) 3,3'-Dichlorobenzidine	23.81	252	33656	1.06	ng	100
25) Chrysene	23.87	228	547754	0.95	ng	100
26) Indeno(1,2,3-cd)pyrene	27.06	276	105496	0.52	ng	# 100
28) Benzo(b)fluoranthene	25.13	252	237708	6.51	ng	99
29) Benzo(k)fluoranthene	25.13	252	239731	2.89	ng	100
30) Benzo(a)pyrene	25.48	252	76421	1.57	ng	100
31) Dibenzo(a,h)anthracene	27.08	278	75903	1.94	ng	100

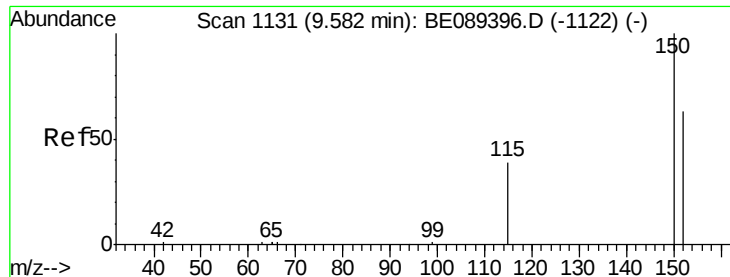
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

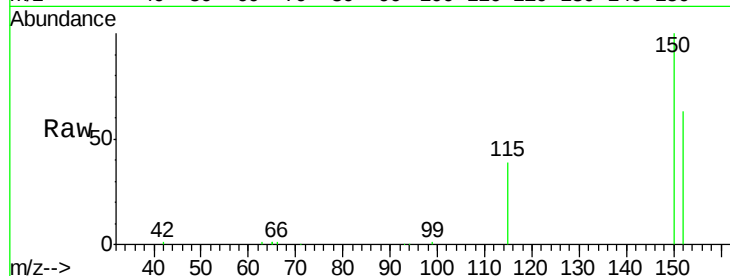
Tgt Ion:152 Resp: 143079

Ion Ratio Lower Upper

152 100

150 159.0 127.2 190.8

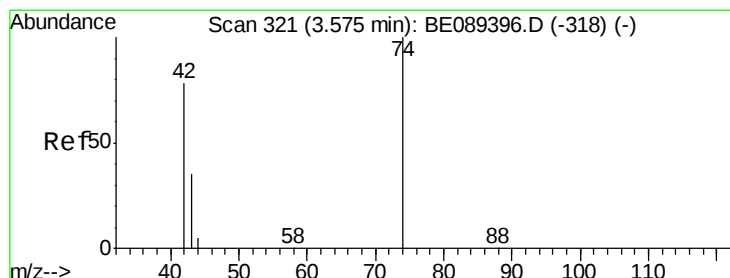
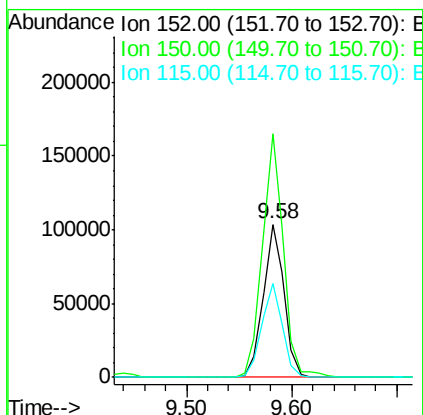
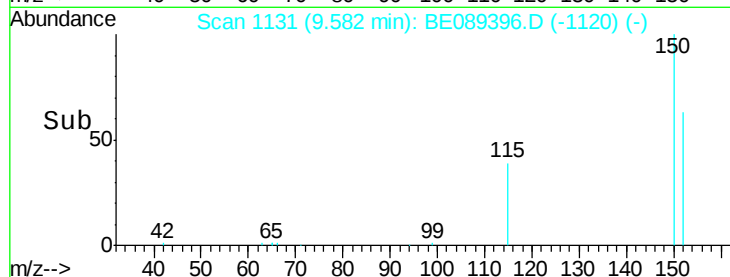
115 61.6 49.3 73.9



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

n-Nitrosodimethylamine

Concen: 0.95 ng

RT: 3.57 min Scan# 321

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

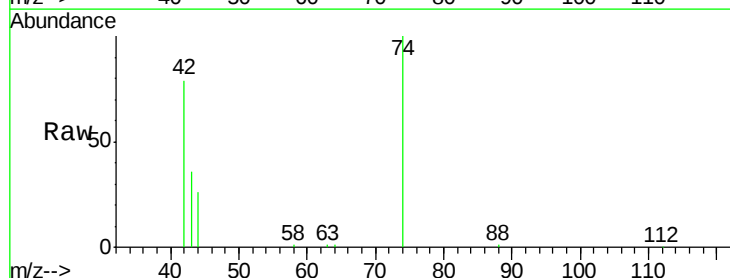
Tgt Ion: 42 Resp: 22675

Ion Ratio Lower Upper

42 100

74 126.5 101.2 151.8

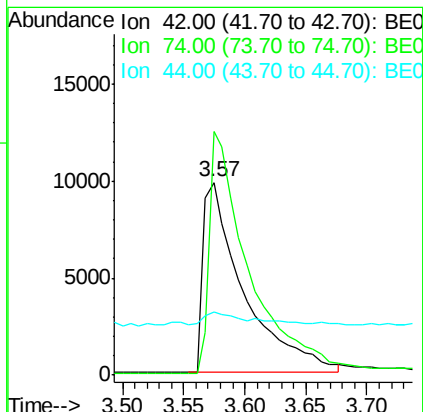
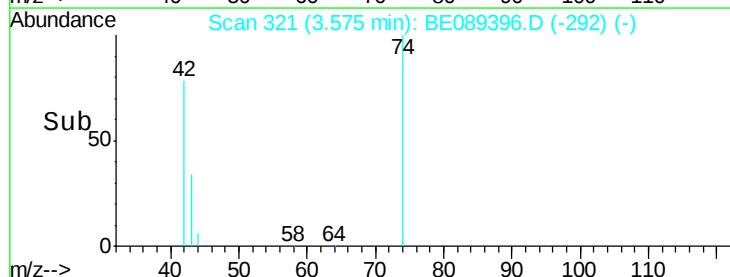
44 33.0 26.4 39.6

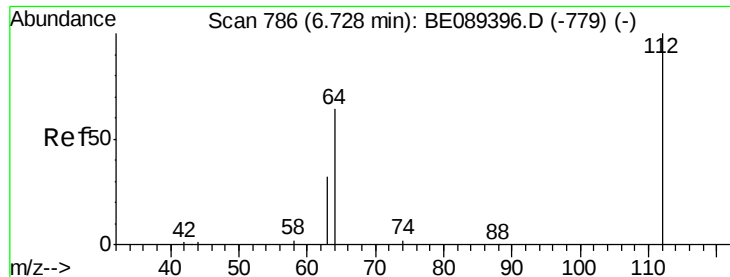


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

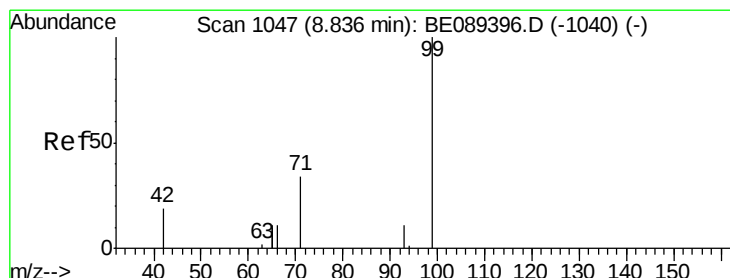
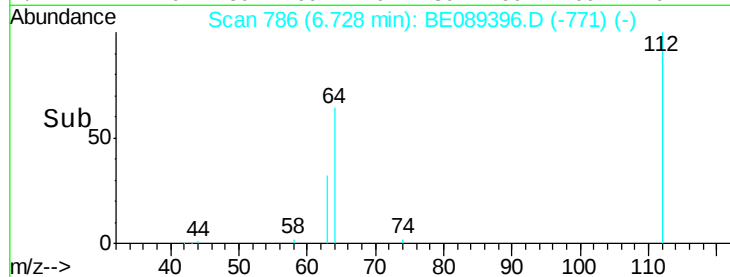
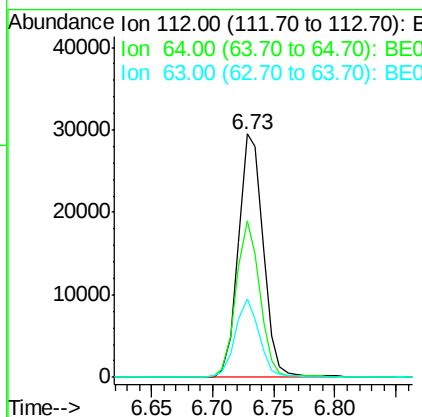
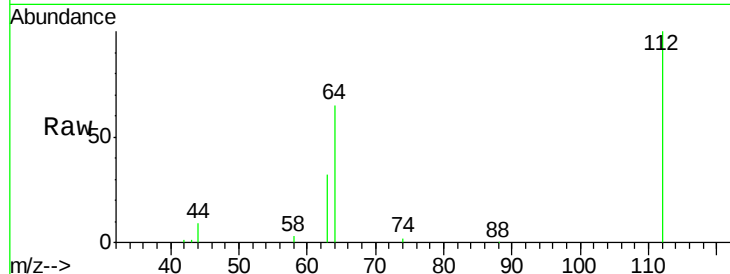




#3
 2-Fluorophenol
 Concen: 0.86 ng
 RT: 6.73 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 28 Jan 2015 19:52

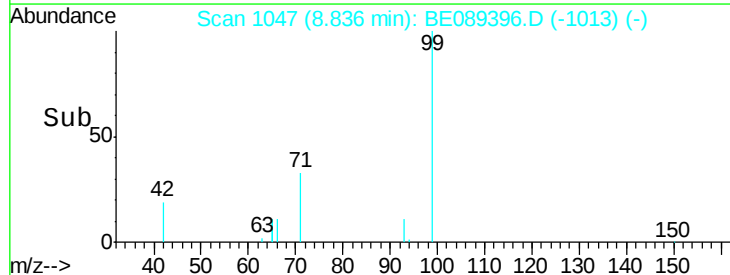
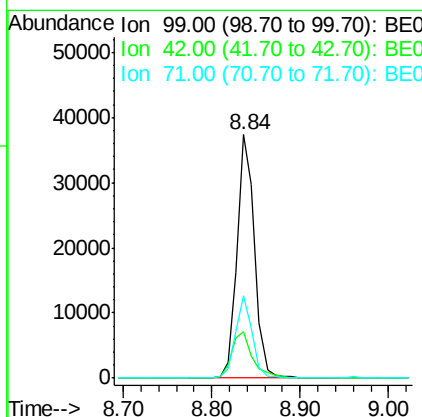
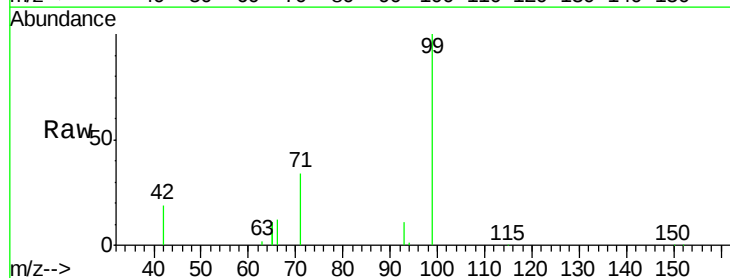
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

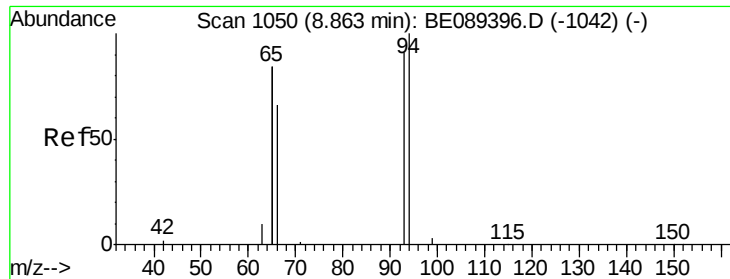
Tgt Ion:	112	Resp:	41287
Ion	Ratio	Lower	Upper
112	100		
64	64.6	51.7	77.5
63	32.1	25.7	38.5



#4
 Phenol-d6
 Concen: 0.86 ng
 RT: 8.84 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 28 Jan 2015 19:52

Tgt Ion:	99	Resp:	51342
Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.3	22.9
71	33.8	27.0	40.6





#5

Phenol

Concen: 0.92 ng

RT: 8.86 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

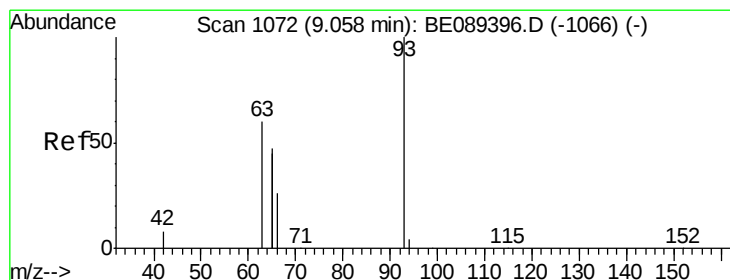
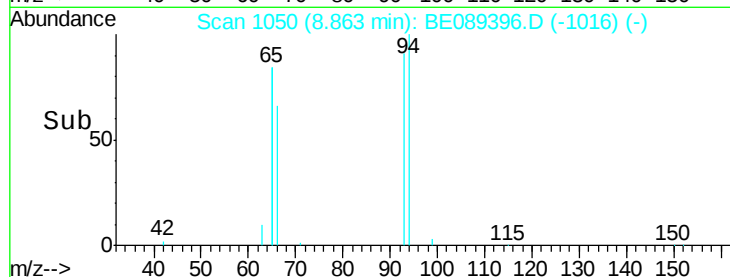
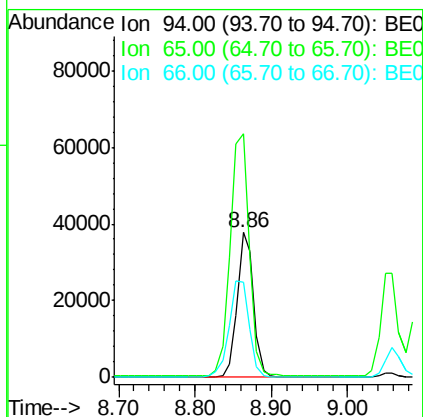
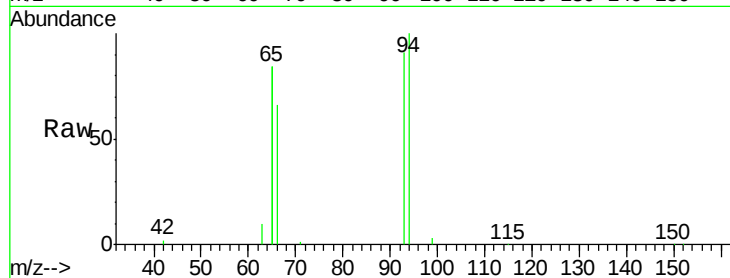
Tgt Ion: 94 Resp: 55468

Ion Ratio Lower Upper

94 100

65 168.6 148.6 188.6

66 66.2 46.2 86.2



#6

bis(2-Chloroethyl)ether

Concen: 0.92 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

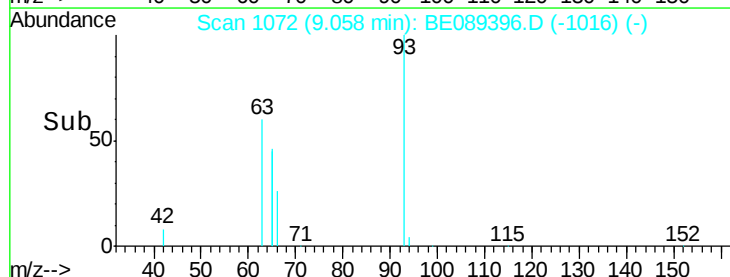
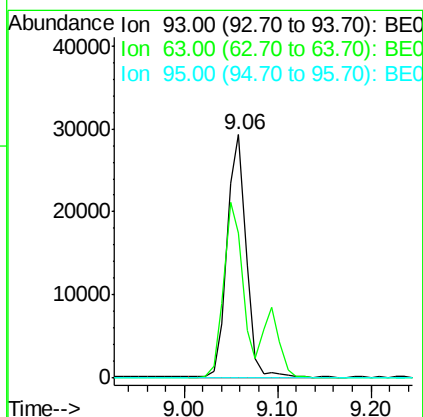
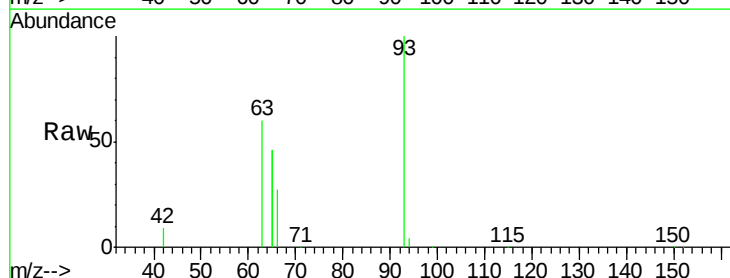
Tgt Ion: 93 Resp: 41188

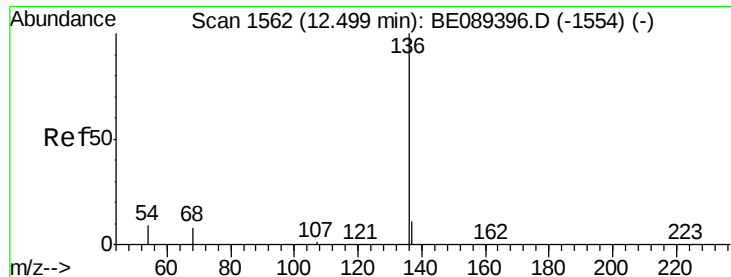
Ion Ratio Lower Upper

93 100

63 73.6 58.9 88.3

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

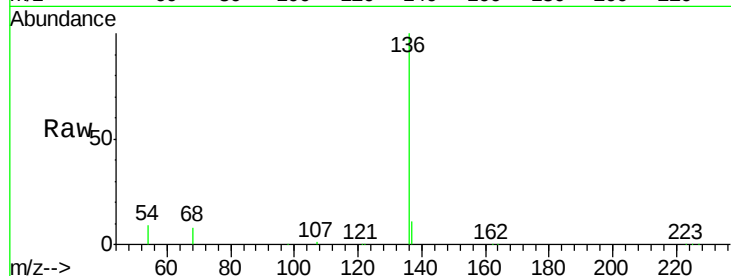
Tgt Ion: 136 Resp: 509915

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

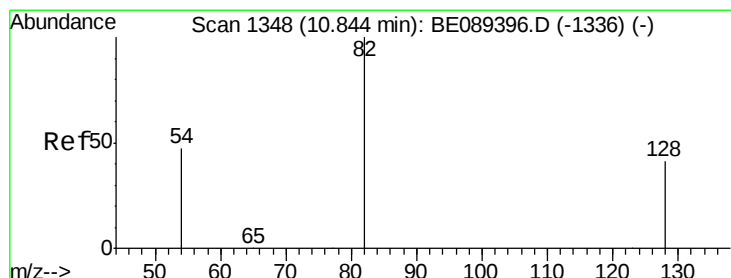
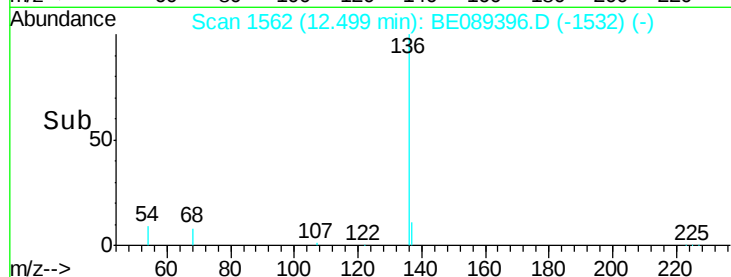
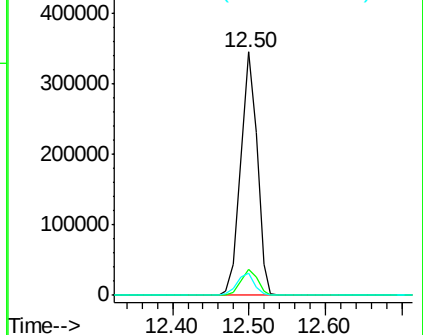
54 9.2 7.4 11.0



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): BE0



#8

Nitrobenzene-d5

Concen: 0.84 ng

RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

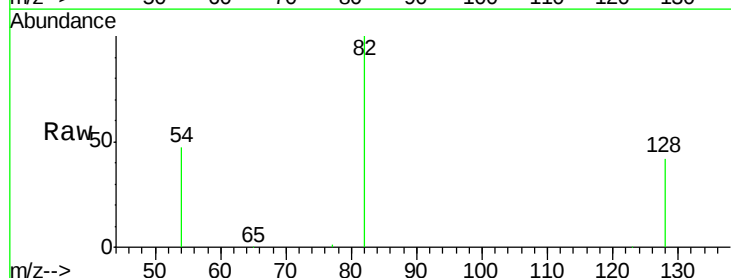
Tgt Ion: 82 Resp: 33384

Ion Ratio Lower Upper

82 100

128 42.0 33.6 50.4

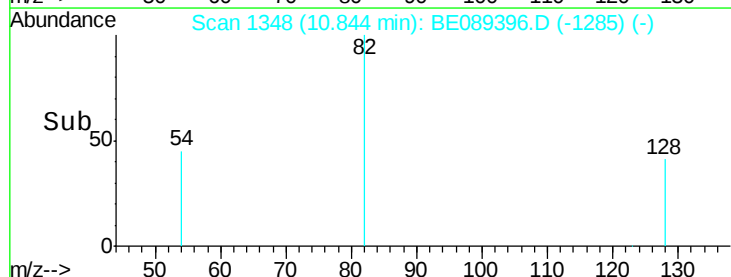
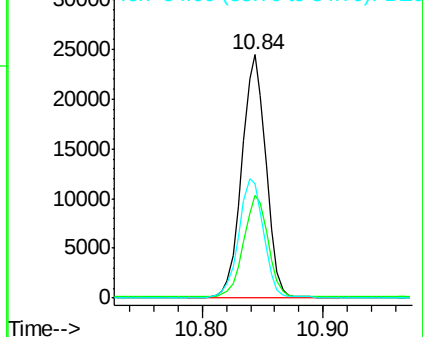
54 47.1 37.7 56.5

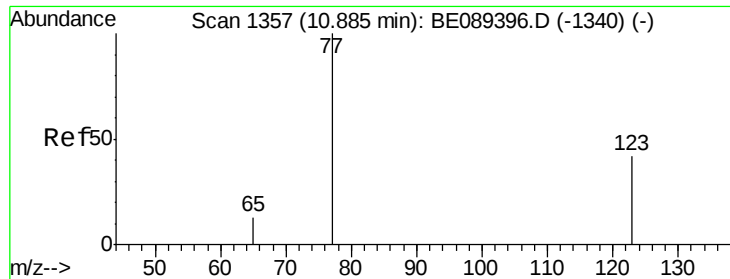


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.87 ng

RT: 10.88 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

Instrument :

BNA_E

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SSTDICCC001

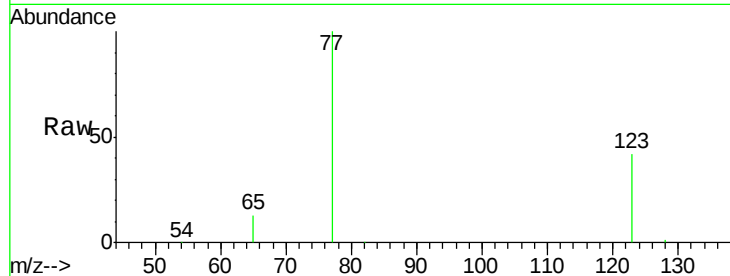
Tgt Ion: 77 Resp: 38323

Ion Ratio Lower Upper

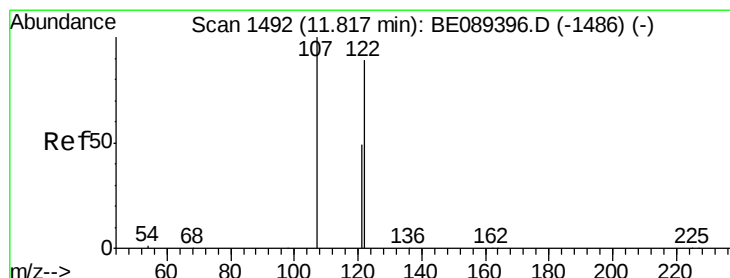
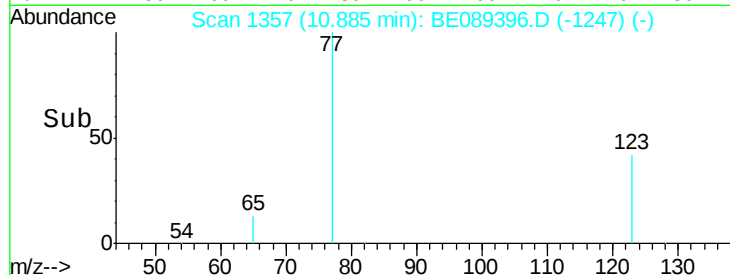
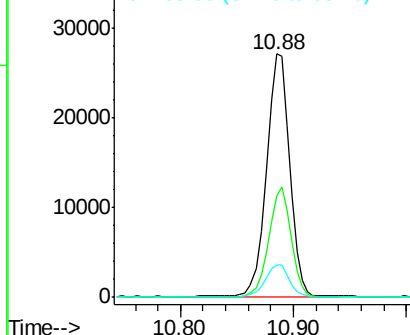
77 100

123 43.4 34.7 52.1

65 13.2 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 0.80 ng

RT: 11.82 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

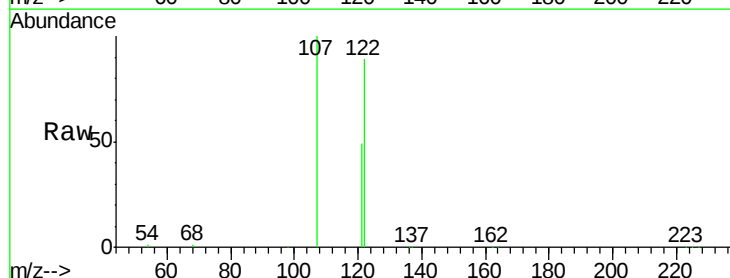
Tgt Ion: 122 Resp: 29106

Ion Ratio Lower Upper

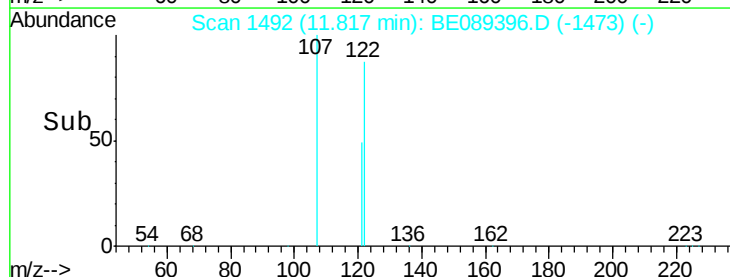
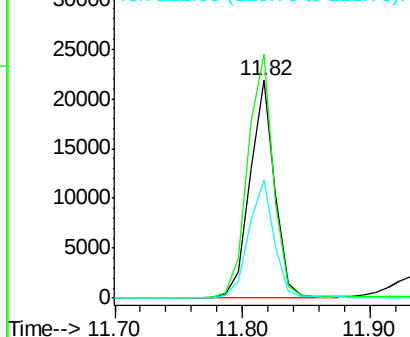
122 100

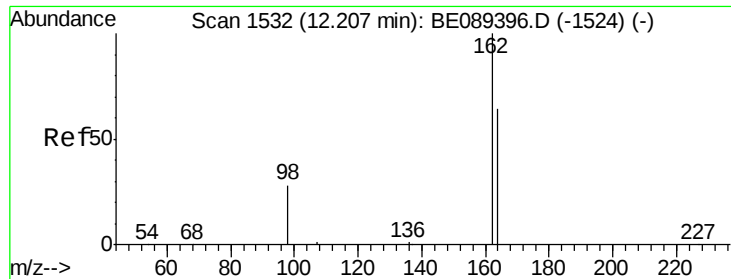
107 111.8 89.4 134.2

121 54.5 43.6 65.4



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

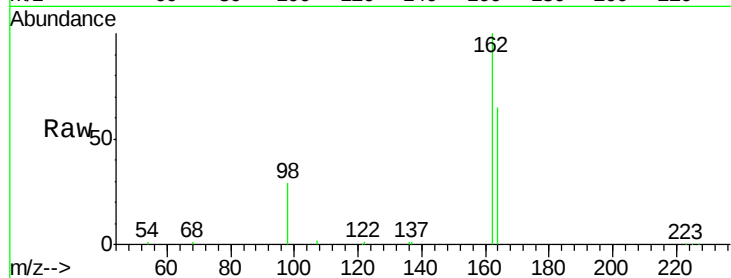




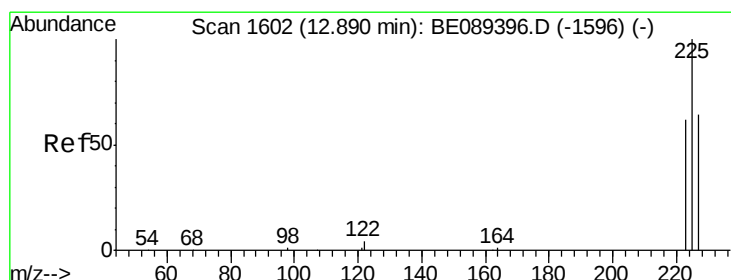
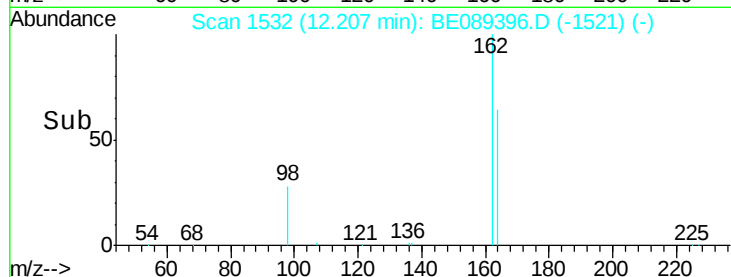
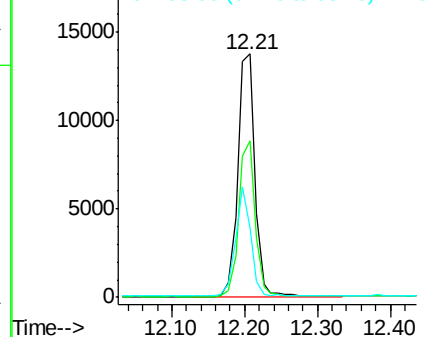
#11
 2,4-Dichlorophenol
 Concen: 0.88 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 28 Jan 2015 19:52

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Tgt Ion:162 Resp: 22551
 Ion Ratio Lower Upper
 162 100
 164 64.6 44.6 84.6
 98 28.7 8.7 48.7

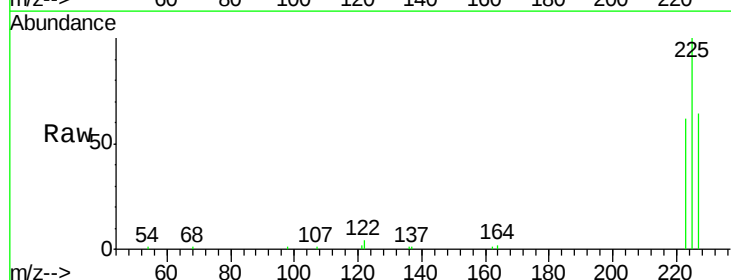


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): E

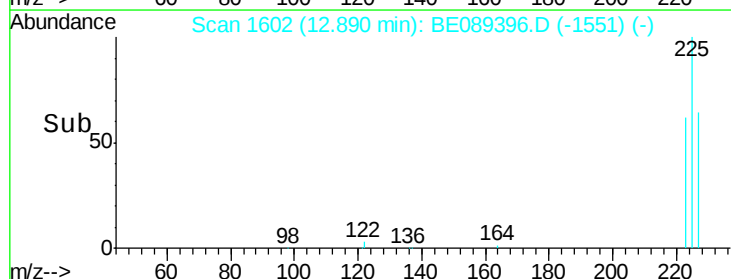
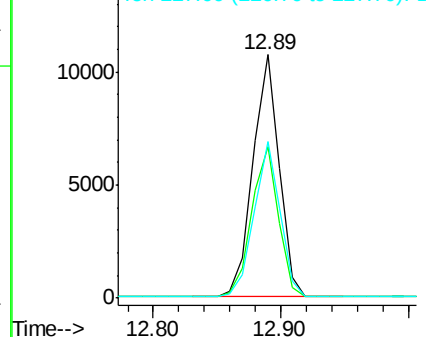


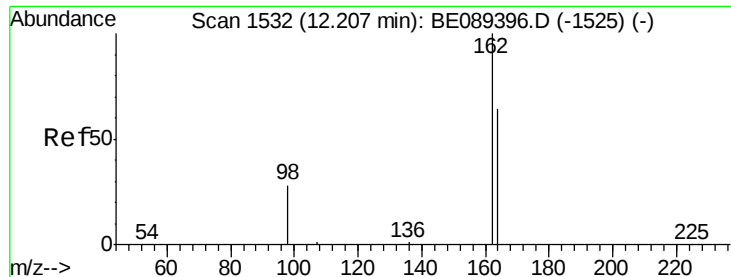
#12
 Hexachlorobutadiene
 Concen: 0.91 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 28 Jan 2015 19:52

Tgt Ion:225 Resp: 15390
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.2 75.4
 227 63.1 50.5 75.7



Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E

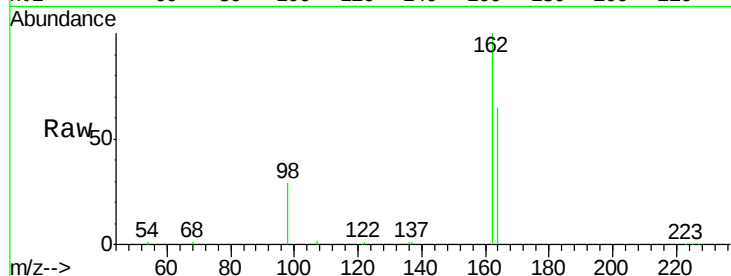




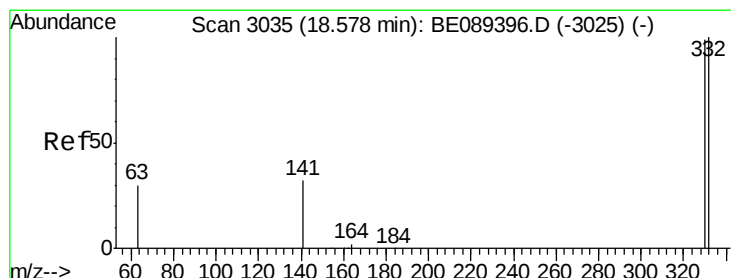
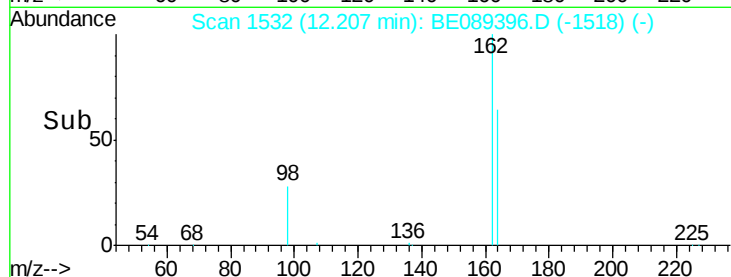
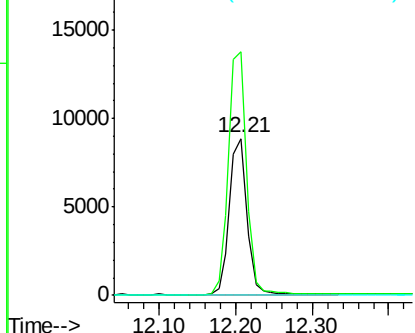
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 12.21 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BE089396.D
Acq: 28 Jan 2015 19:52

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion:164 Resp: 13993
Ion Ratio Lower Upper
164 100
162 154.9 123.9 185.9
160 0.0 0.0 0.0

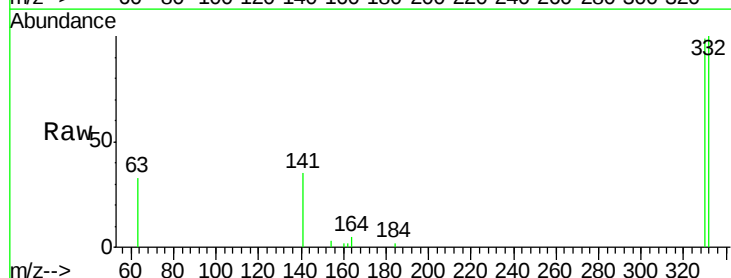


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

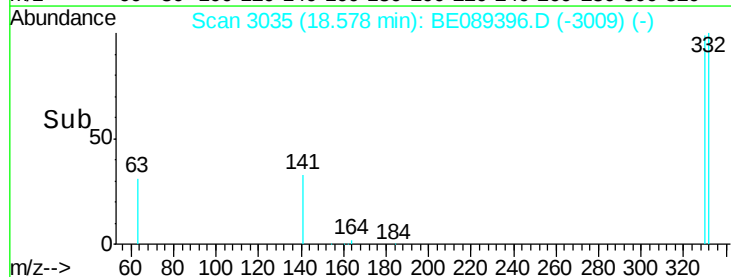
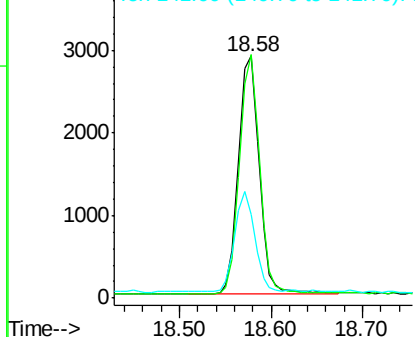


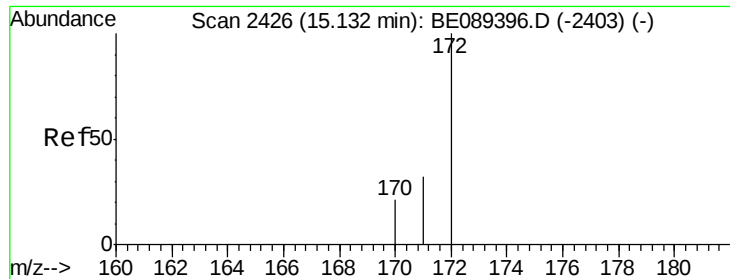
#14
2,4,6-Tribromophenol
Concen: 4.63 ng
RT: 18.58 min Scan# 3035
Delta R.T. 0.00 min
Lab File: BE089396.D
Acq: 28 Jan 2015 19:52

Tgt Ion:330 Resp: 4561
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 40.5 32.4 48.6



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

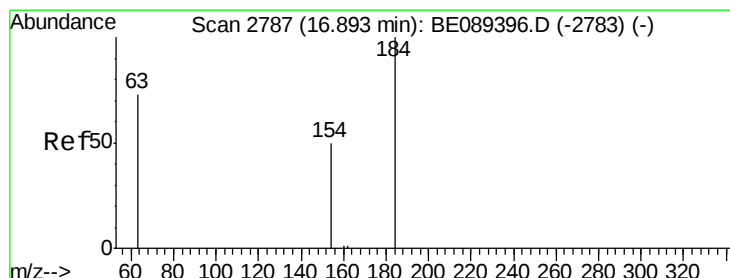
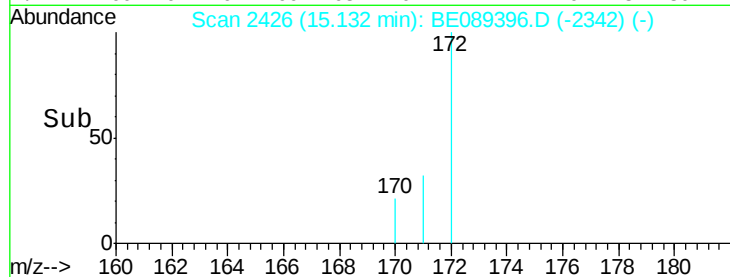
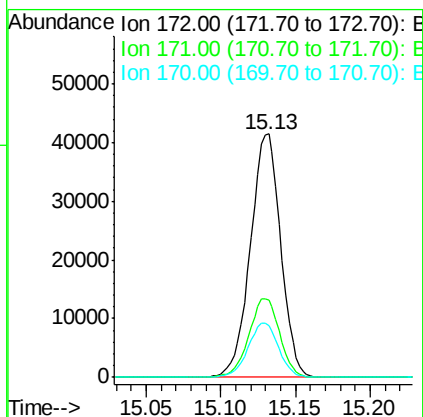
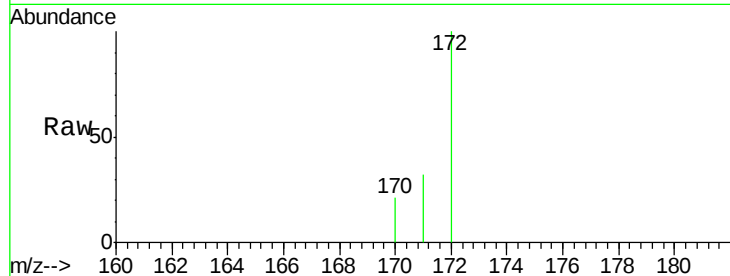




#15
2-Fluorobiphenyl
Concen: 4.32 ng
RT: 15.13 min Scan# 2426
Delta R.T. 0.00 min
Lab File: BE089396.D
Acq: 28 Jan 2015 19:52

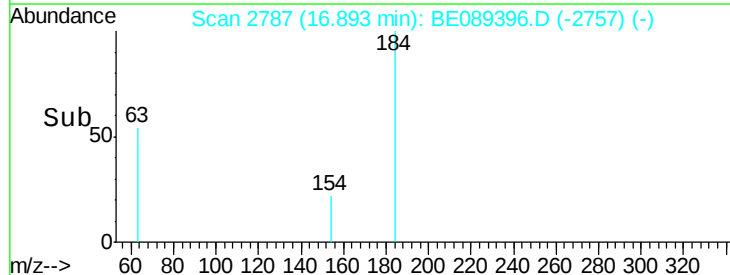
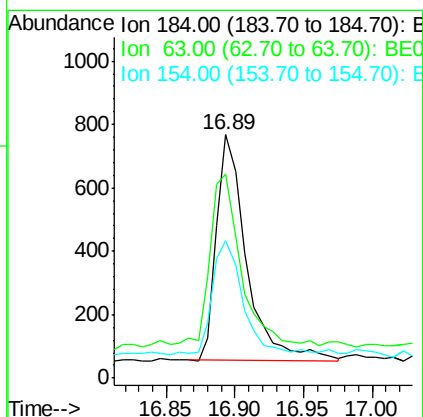
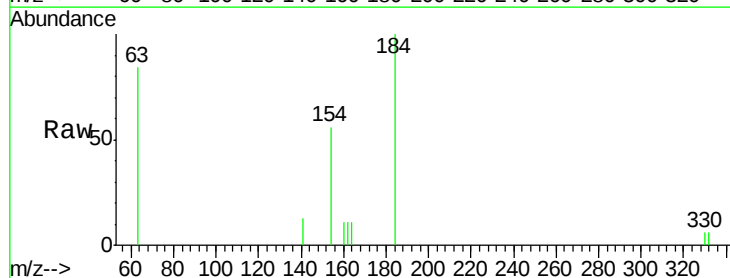
Instrument :
BNA_E
LabSampleId :
SSTDICCC001

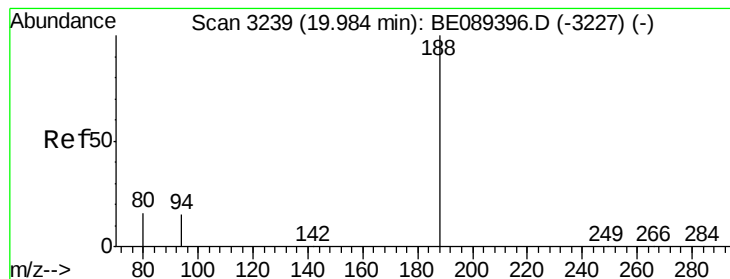
Tgt Ion:172 Resp: 58259
Ion Ratio Lower Upper
172 100
171 32.0 25.6 38.4
170 21.2 17.0 25.4



#16
2,4-Dinitrophenol
Concen: 3.85 ng
RT: 16.89 min Scan# 2787
Delta R.T. 0.00 min
Lab File: BE089396.D
Acq: 28 Jan 2015 19:52

Tgt Ion:184 Resp: 1078
Ion Ratio Lower Upper
184 100
63 83.6 66.9 100.3
154 56.4 45.1 67.7





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.98 min Scan# 3239

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

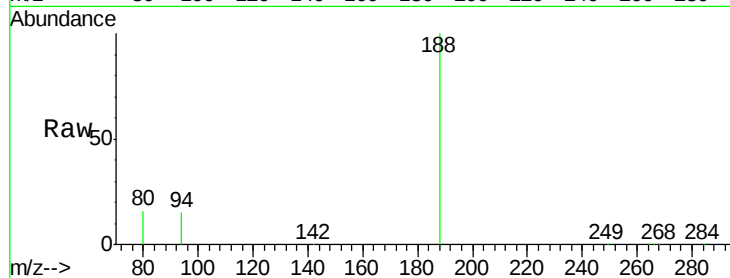
Tgt Ion:188 Resp: 413648

Ion Ratio Lower Upper

188 100

94 15.0 12.0 18.0

80 16.5 13.2 19.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

400000

300000

200000

100000

0

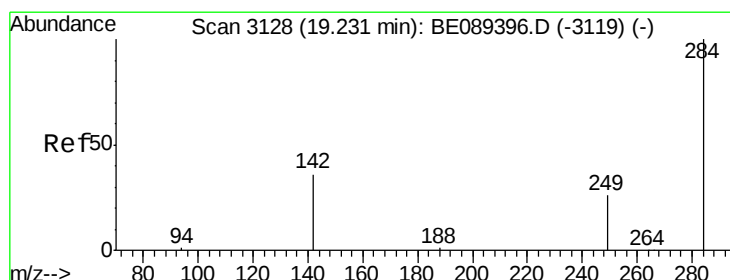
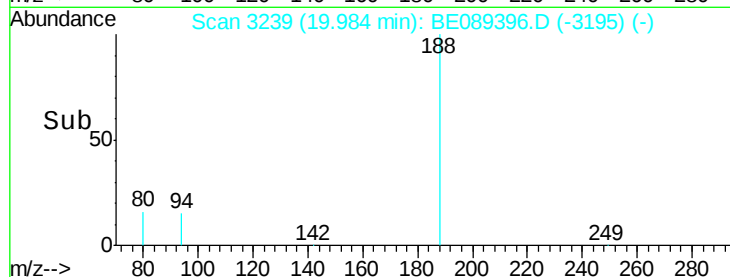
19.98

19.90

20.00

20.10

Time-->



#18

Hexachlorobenzene

Concen: 0.85 ng

RT: 19.23 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

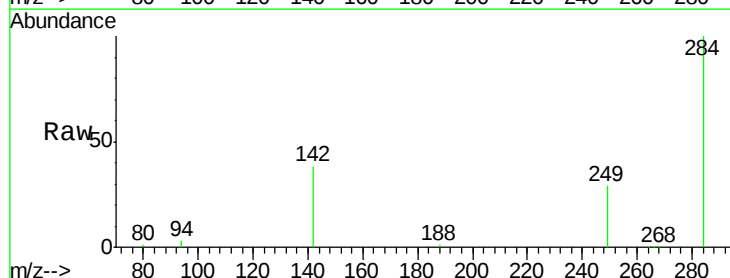
Tgt Ion:284 Resp: 17464

Ion Ratio Lower Upper

284 100

142 38.4 30.7 46.1

249 29.3 23.4 35.2



Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

15000

10000

5000

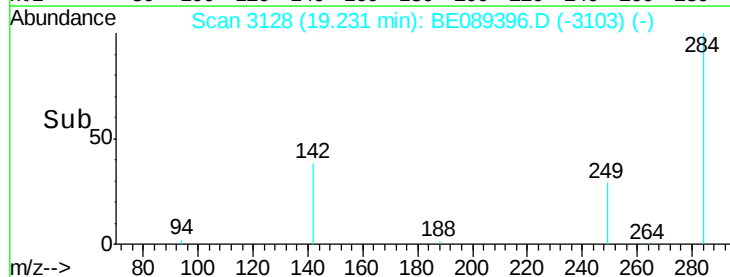
0

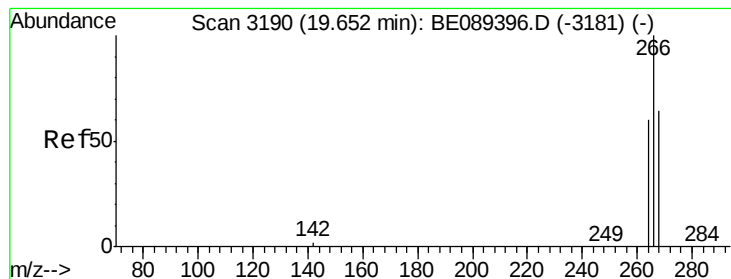
19.23

19.20

19.30

Time-->

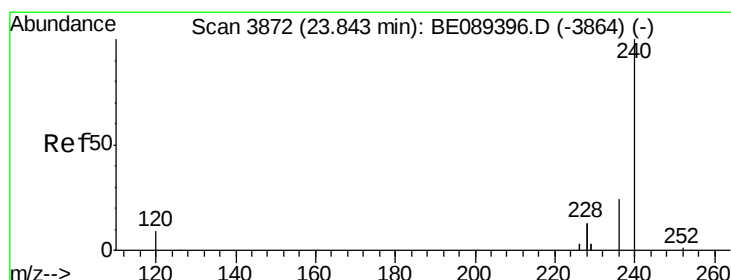
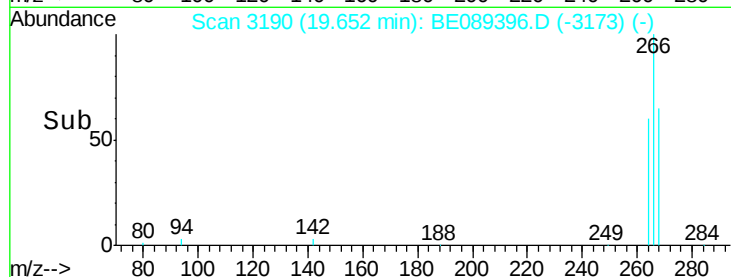
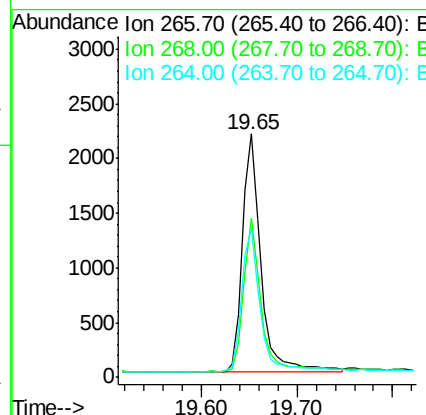
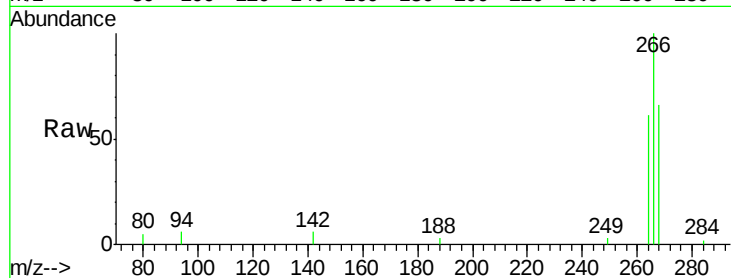




#19
 Pentachlorophenol
 Concen: 0.84 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 28 Jan 2015 19:52

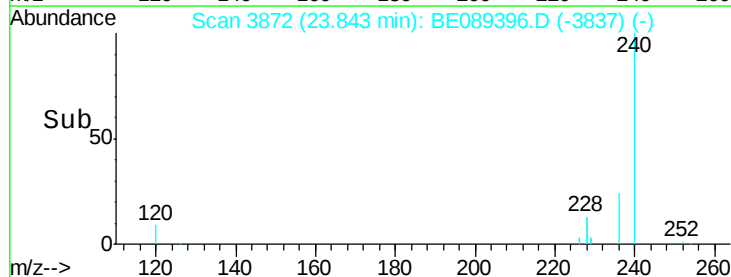
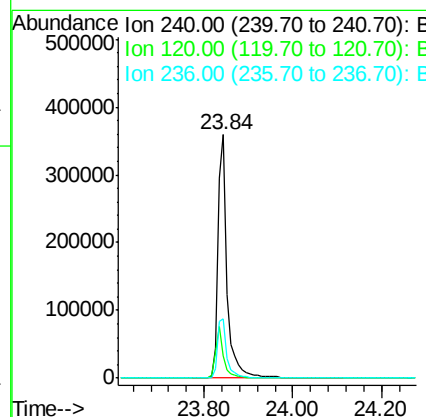
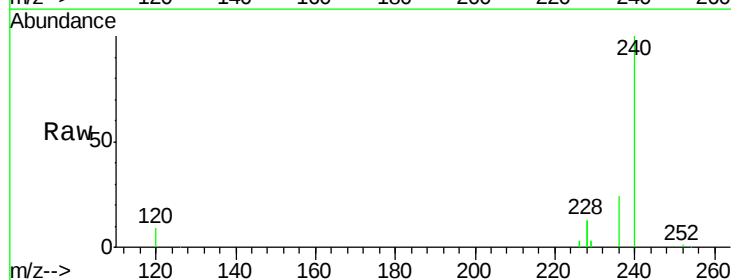
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

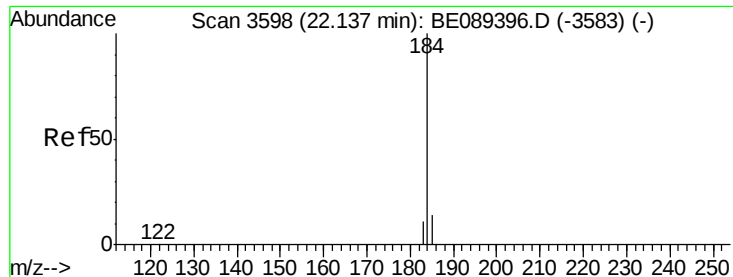
Tgt Ion: 266 Resp: 2982
 Ion Ratio Lower Upper
 266 100
 268 65.6 52.5 78.7
 264 61.0 48.8 73.2



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 28 Jan 2015 19:52

Tgt Ion: 240 Resp: 509738
 Ion Ratio Lower Upper
 240 100
 120 8.9 7.1 10.7
 236 24.4 19.5 29.3





#21

Benzidine

Concen: 0.90 ng

RT: 22.14 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

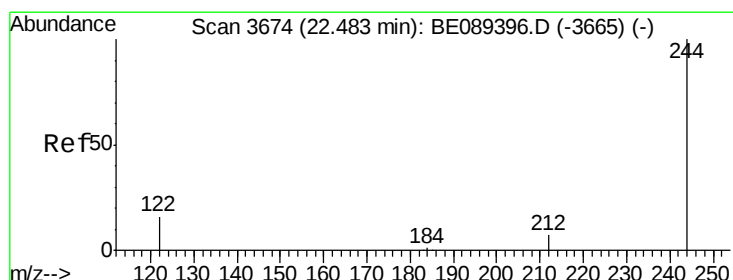
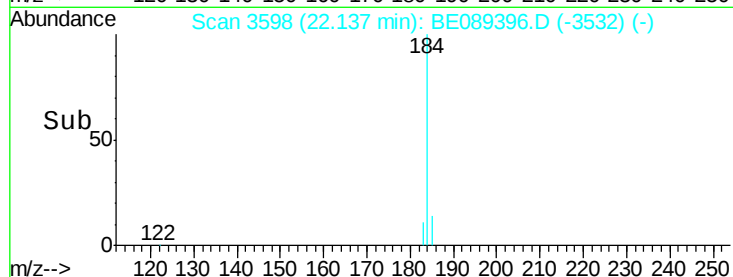
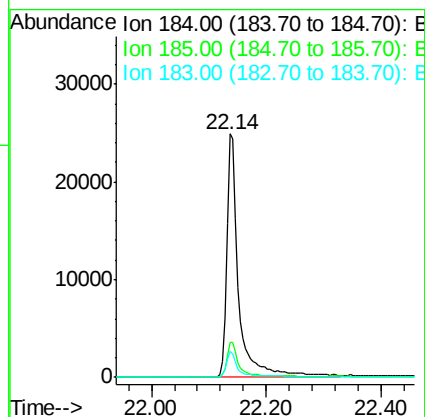
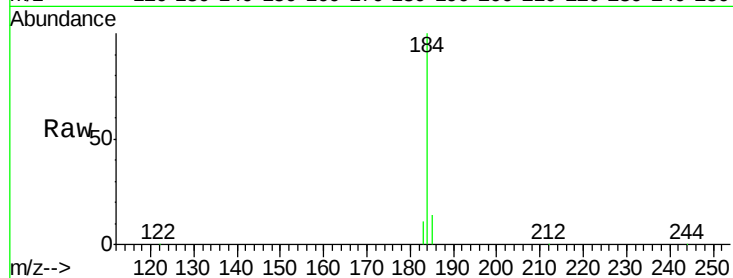
Tgt Ion:184 Resp: 36001

Ion Ratio Lower Upper

184 100

185 14.2 11.4 17.0

183 10.9 8.7 13.1



#22

Terphenyl-d14

Concen: 1.29 ng

RT: 22.48 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

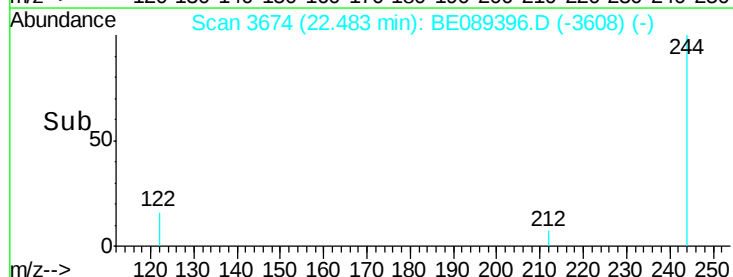
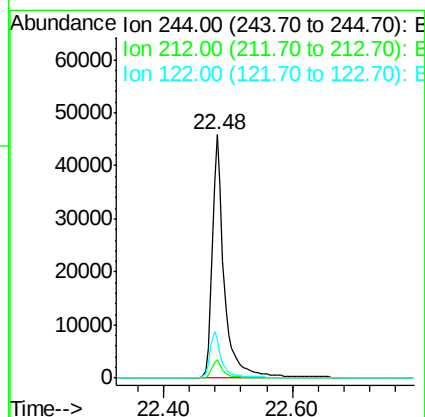
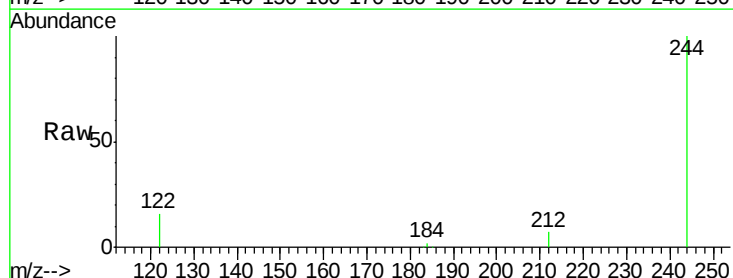
Tgt Ion:244 Resp: 59923

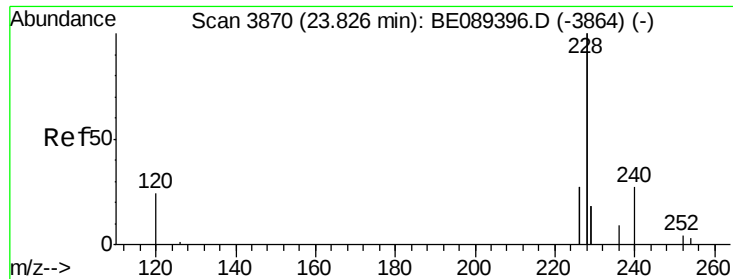
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 16.0 12.8 19.2





#23

Benzo(a)anthracene

Concen: 1.27 ng

RT: 23.83 min Scan# 3870

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

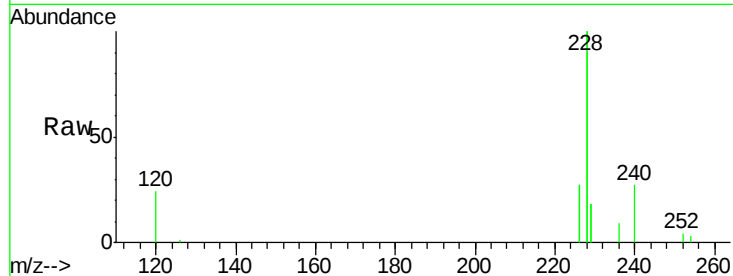
Tgt Ion:228 Resp: 449435

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.6

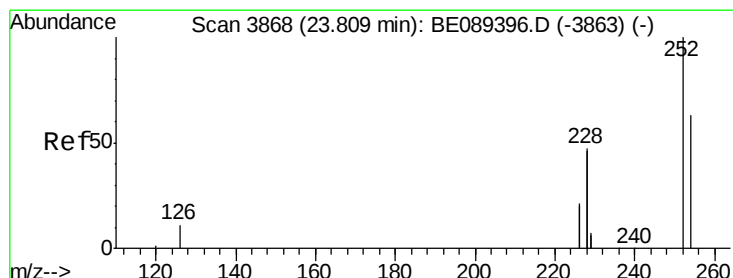
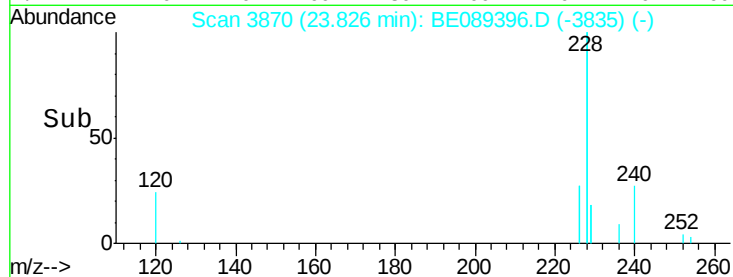
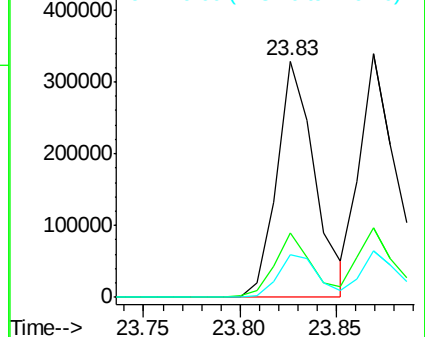
229 18.1 14.5 21.7



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



#24

3,3'-Dichlorobenzidine

Concen: 1.06 ng

RT: 23.81 min Scan# 3868

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

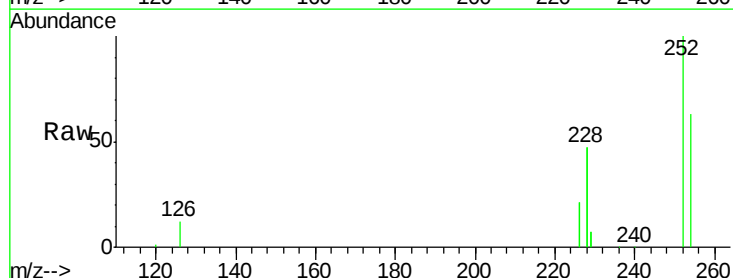
Tgt Ion:252 Resp: 33656

Ion Ratio Lower Upper

252 100

254 62.8 50.2 75.4

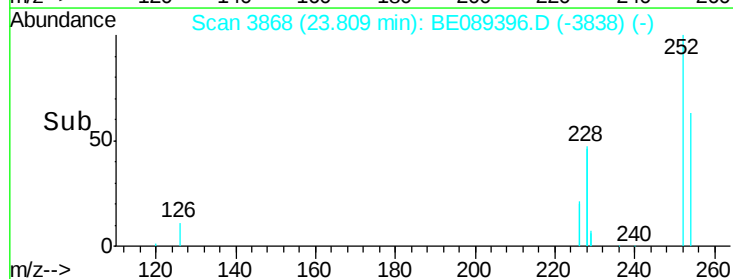
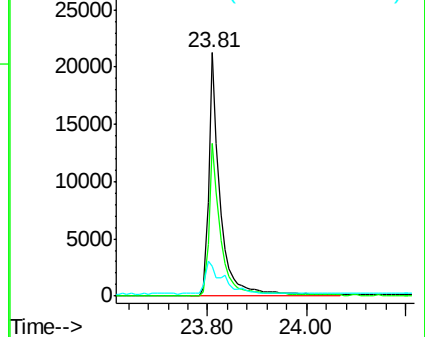
126 12.2 9.8 14.6

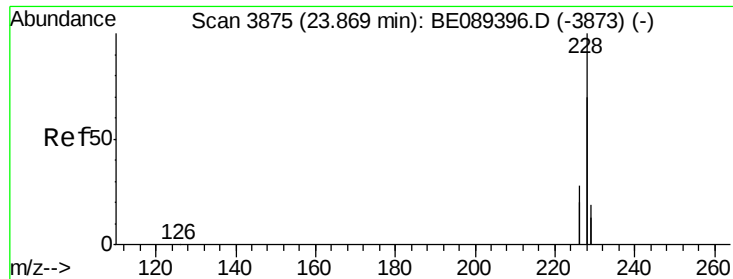


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.95 ng

RT: 23.87 min Scan# 3875

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

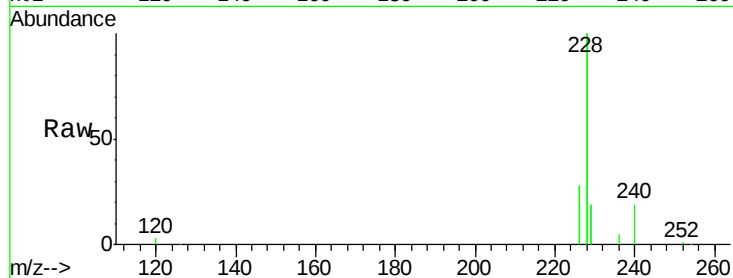
Tgt Ion:228 Resp: 547754

Ion Ratio Lower Upper

228 100

226 28.4 22.7 34.1

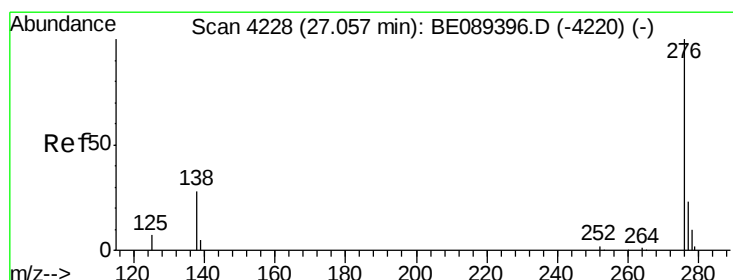
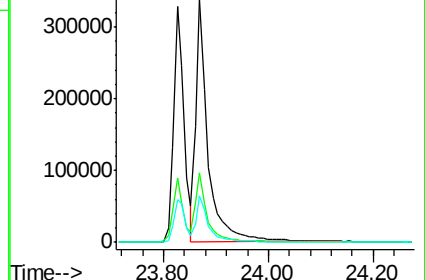
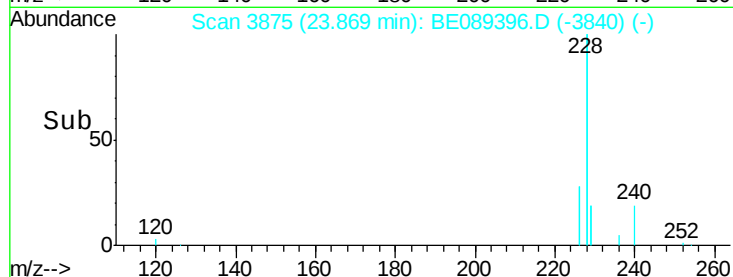
229 19.0 15.2 22.8



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.52 ng

RT: 27.06 min Scan# 4228

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

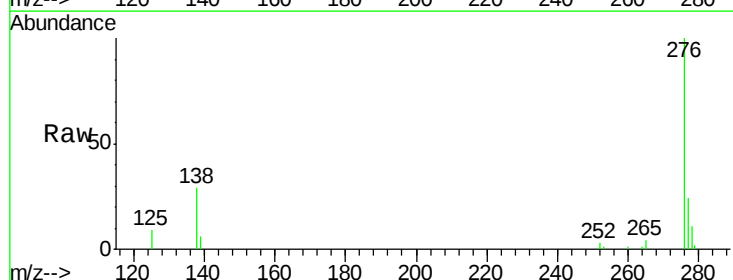
Tgt Ion:276 Resp: 105496

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

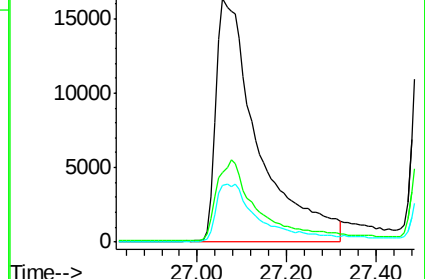
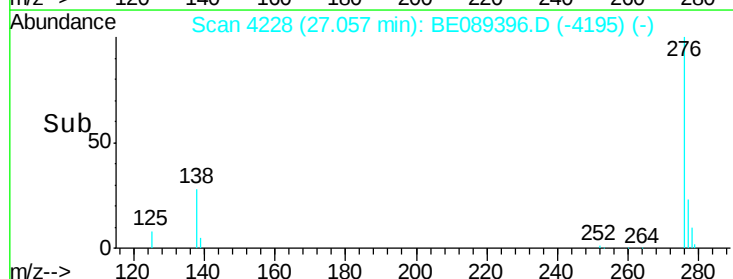
277 0.0 0.0 0.0

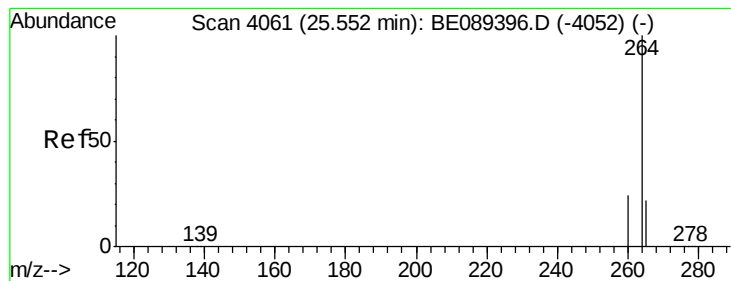


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4061

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

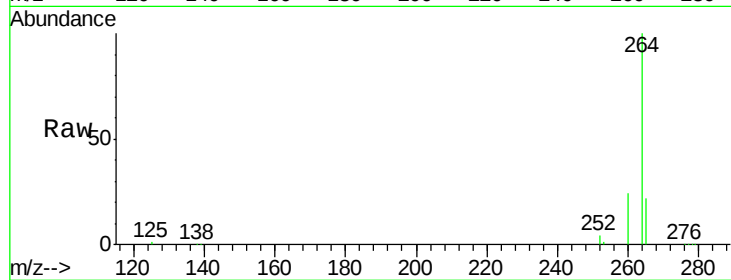
Tgt Ion:264 Resp: 539120

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

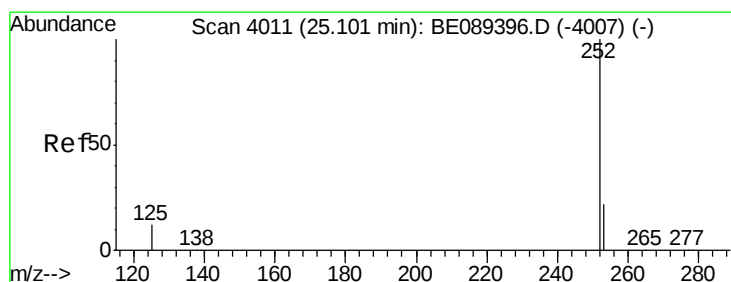
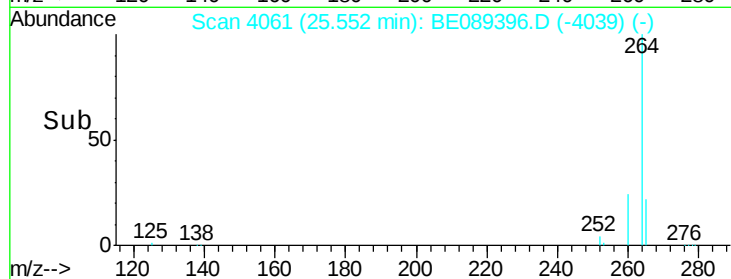
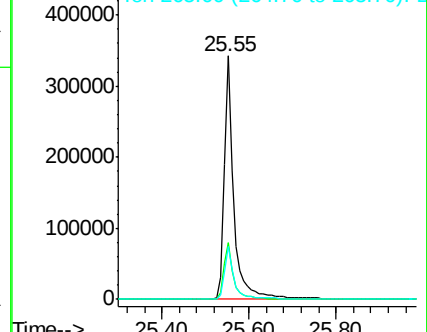
265 21.9 17.5 26.3



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



#28

Benzo(b)fluoranthene

Concen: 6.51 ng

RT: 25.13 min Scan# 4014

Delta R.T. 0.03 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

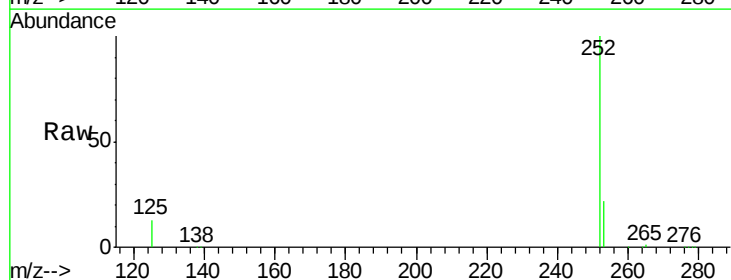
Tgt Ion:252 Resp: 237708

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

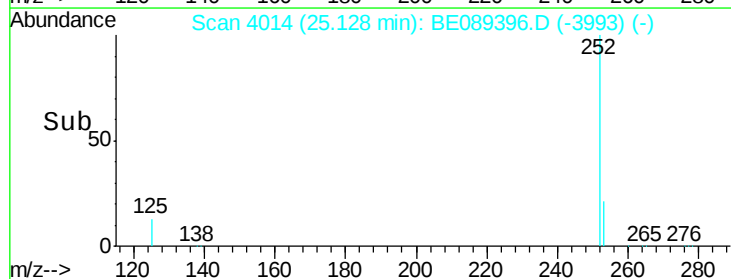
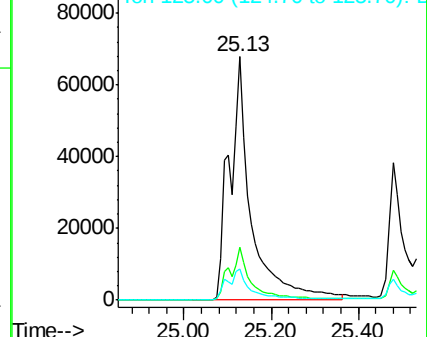
125 12.8 9.8 14.6

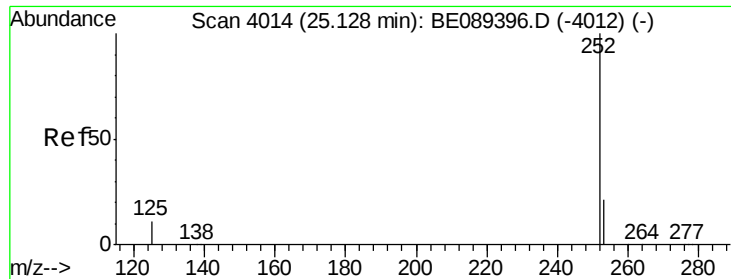


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Benzo(k)fluoranthene

Concen: 2.89 ng

RT: 25.13 min Scan# 4014

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

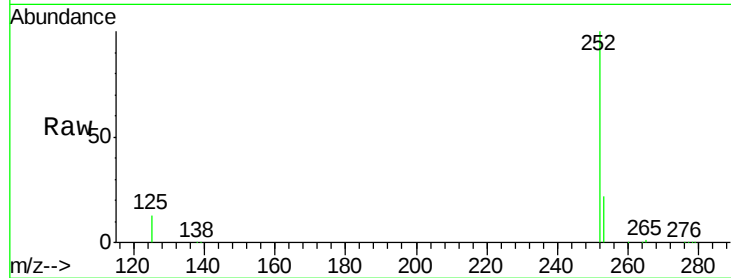
Tgt Ion:252 Resp: 239731

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

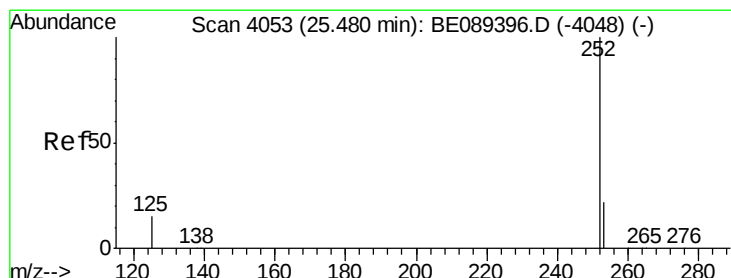
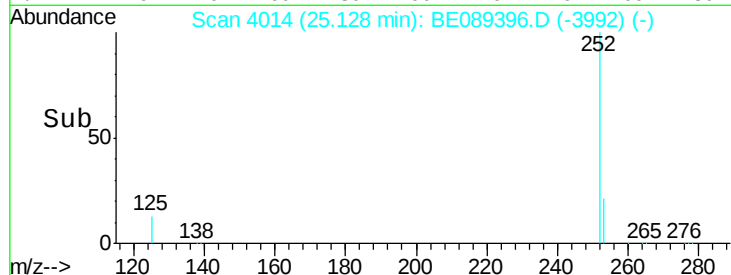
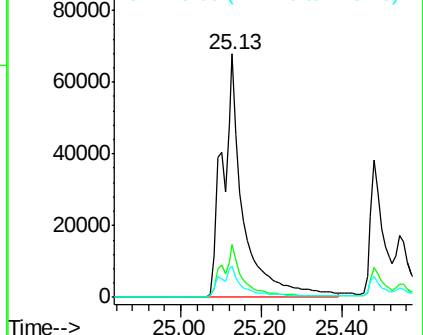
125 12.8 10.2 15.4



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



#30

Benzo(a)pyrene

Concen: 1.57 ng

RT: 25.48 min Scan# 4053

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 28 Jan 2015 19:52

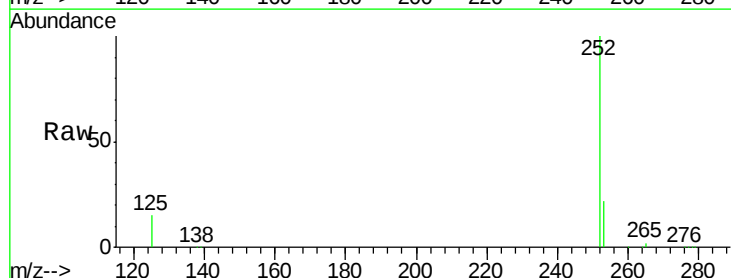
Tgt Ion:252 Resp: 76421

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

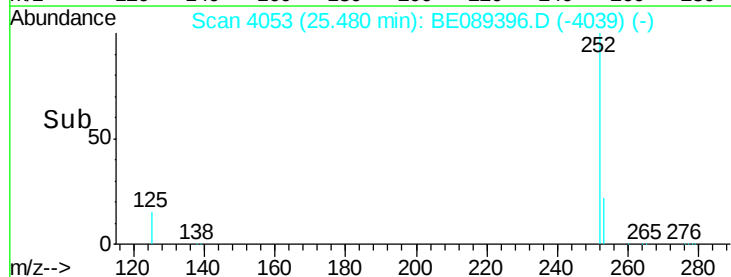
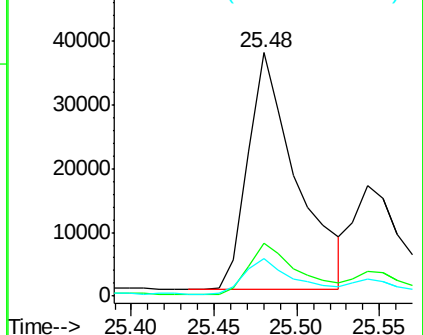
125 15.3 12.2 18.4

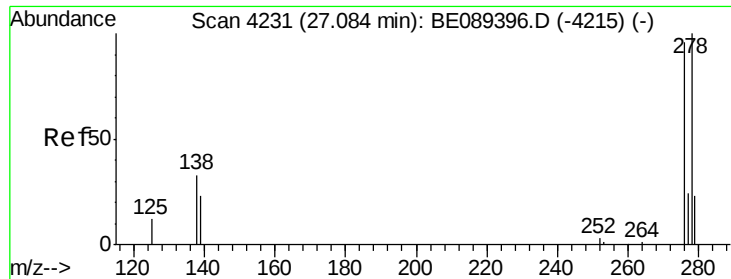


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 1.94 ng

RT: 27.08 min Scan# 4231

Delta R.T. 0.00 min

Lab File: BE089396.D

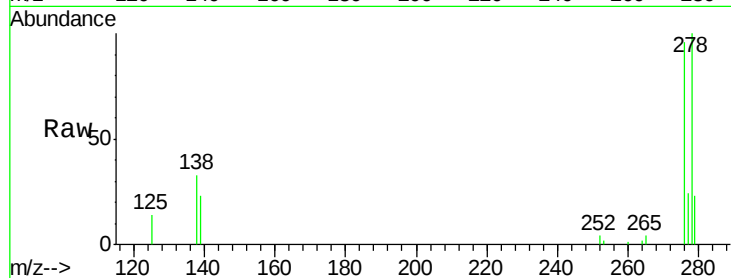
Acq: 28 Jan 2015 19:52

Instrument :

BNA_E

LabSampleId :

SSTDICCC001



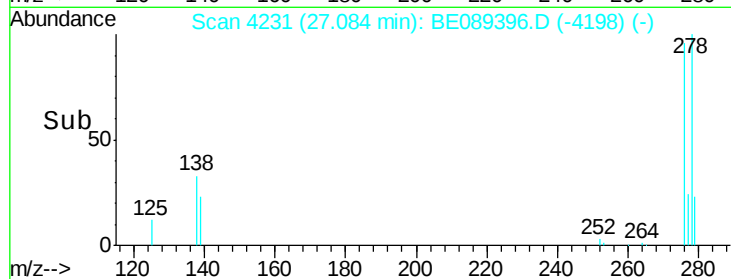
Tgt Ion: 278 Resp: 75903

Ion Ratio Lower Upper

278 100

139 23.1 18.5 27.7

279 23.3 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

