

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021715\
 Data File : BE089595.D
 Acq On : 17 Feb 2015 15:10
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Quant Time: Feb 18 01:16:19 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 00:56:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	57894	5.00	ng	0.00
7) Naphthalene-d8	12.24	136	233271	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	112918	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	217008	5.00	ng	0.00
20) Chrysene-d12	23.66	240	211932	5.00	ng	0.00
27) Perylene-d12	25.34	264	185333	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.50	112	2703	0.17	ng	0.00
4) Phenol-d6	8.62	99	3585	0.17	ng	0.00
8) Nitrobenzene-d5	10.61	82	1618	0.17	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	299	0.13	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	5757	0.19	ng	0.00
22) Terphenyl-d14	22.30	244	5070	0.18	ng	0.00

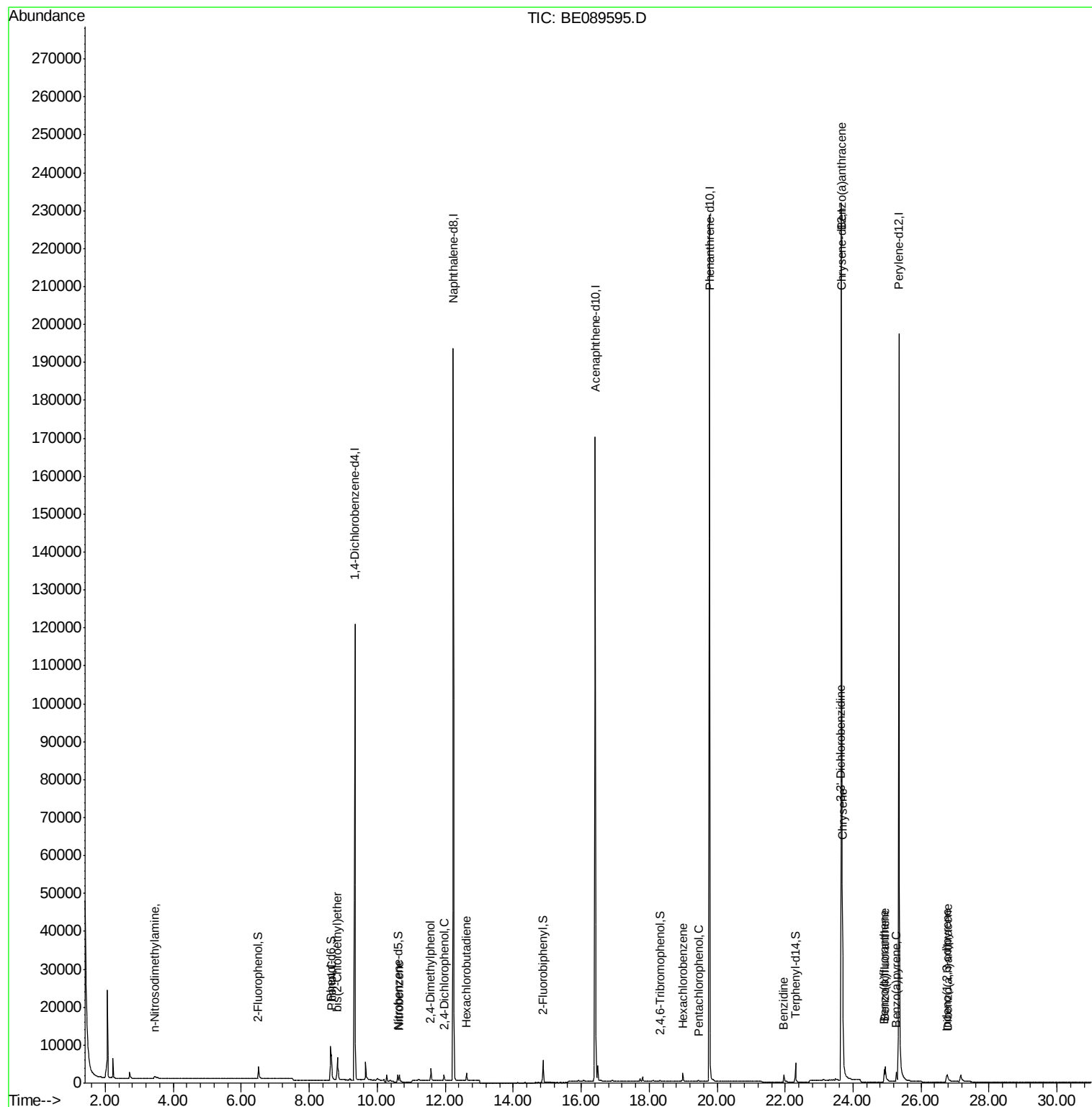
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.45	42	1112m	0.13	ng	
5) Phenol	8.65	94	3800	0.16	ng	# 68
6) bis(2-Chloroethyl)ether	8.83	93	3220	0.18	ng	# 100
9) Nitrobenzene	10.65	77	1784	0.16	ng	95
10) 2,4-Dimethylphenol	11.58	122	1994	0.15	ng	97
11) 2,4-Dichlorophenol	11.96	162	1567	0.15	ng	94
12) Hexachlorobutadiene	12.63	225	1381	0.19	ng	99
18) Hexachlorobenzene	18.99	284	1786	0.20	ng	99
19) Pentachlorophenol	19.44	266	184	0.12	ng	89
21) Benzidine	21.96	184	2890	0.18	ng	95
23) Benzo(a)anthracene	23.64	228	29348	0.15	ng	98
24) 3,3'-Dichlorobenzidine	23.63	252	1122	0.09	ng	# 95
25) Chrysene	23.69	228	41058	0.20	ng	99
26) Indeno(1,2,3-cd)pyrene	26.75	276	3869	0.09	ng	# 96
28) Benzo(b)fluoranthene	24.91	252	3377	0.10	ng	98
29) Benzo(k)fluoranthene	24.94	252	7338	0.15	ng	98
30) Benzo(a)pyrene	25.27	252	3128	0.09	ng	93
31) Dibenzo(a,h)anthracene	26.77	278	2612	0.08	ng	# 92

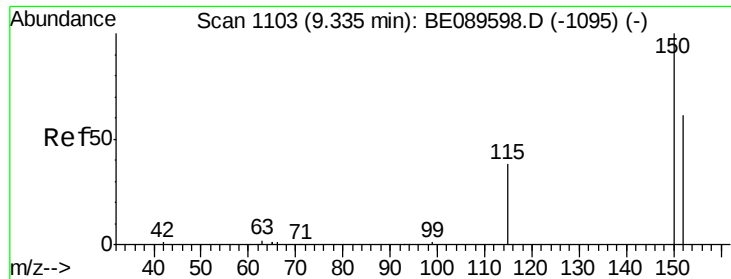
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1104

Delta R.T. 0.01 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

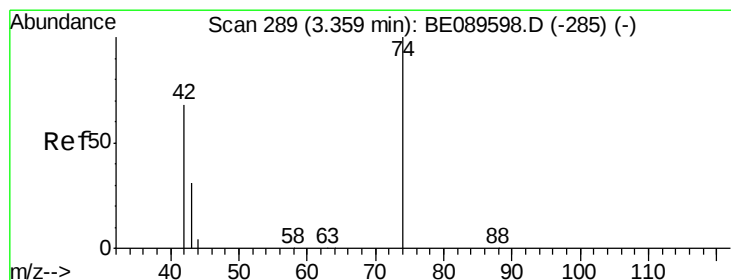
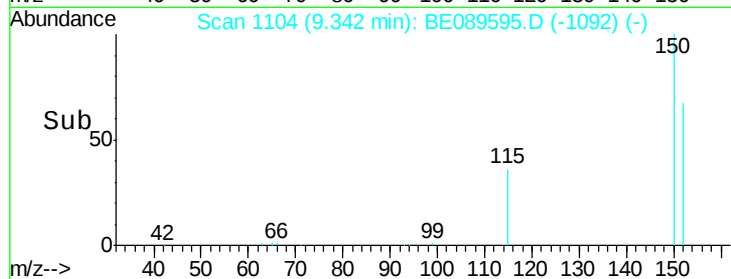
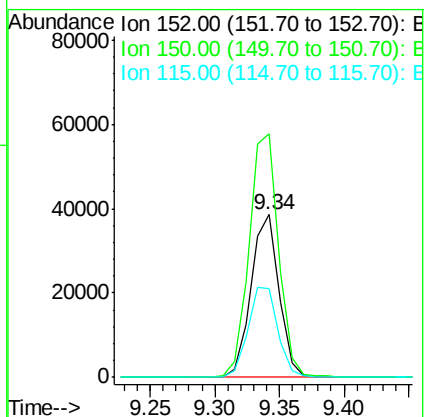
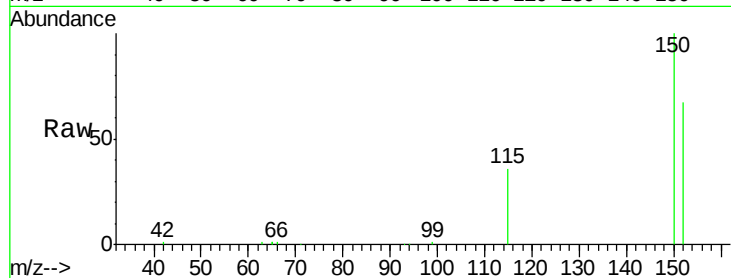
Tgt Ion:152 Resp: 57894

Ion Ratio Lower Upper

152 100

150 149.4 130.7 196.1

115 54.4 49.6 74.4



#2

n-Nitrosodimethylamine

Concen: 0.13 ng

RT: 3.45 min Scan# 302

Delta R.T. 0.09 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

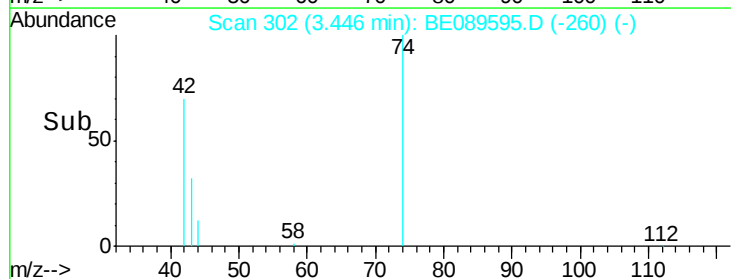
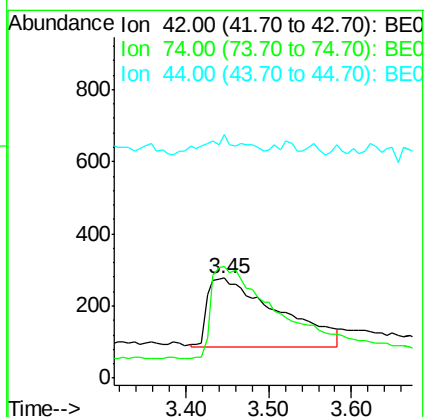
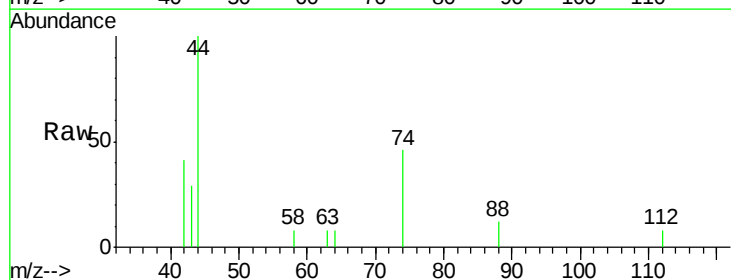
Tgt Ion: 42 Resp: 1112

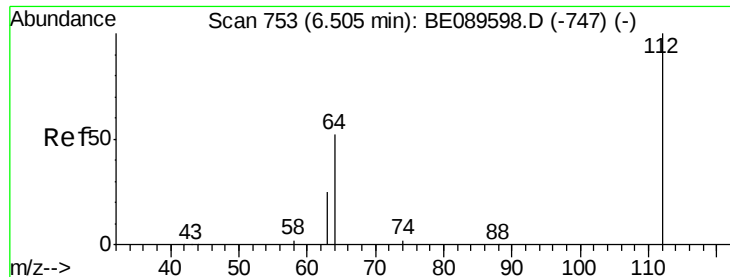
Ion Ratio Lower Upper

42 100

74 112.3 114.6 171.8#

44 243.7 27.5 41.3#

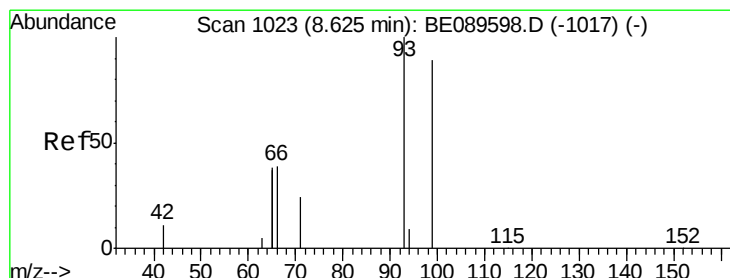
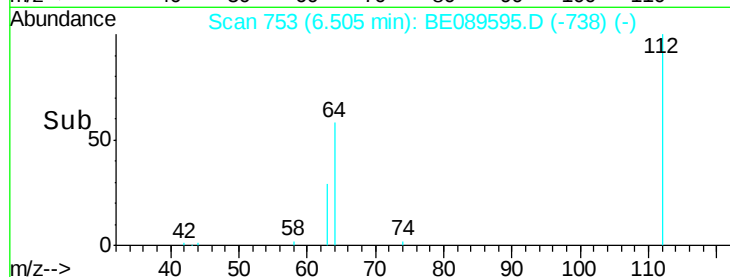
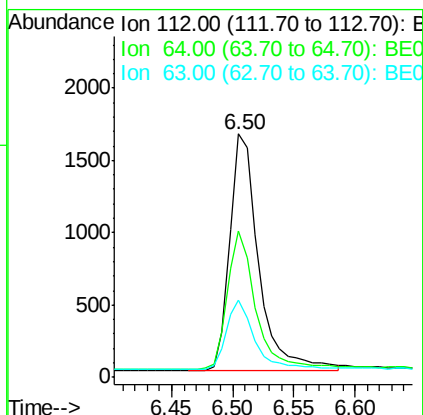
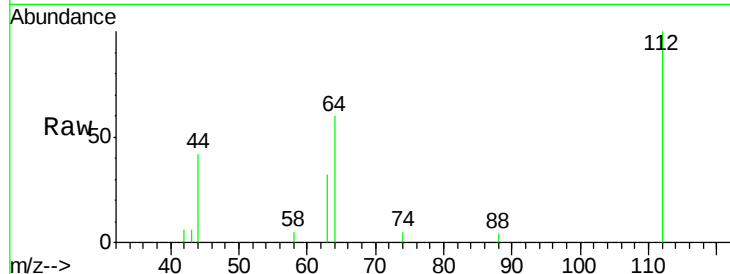




#3
2-Fluorophenol
Concen: 0.17 ng
RT: 6.50 min Scan# 753
Delta R.T. -0.00 min
Lab File: BE089595.D
Acq: 17 Feb 2015 15:10

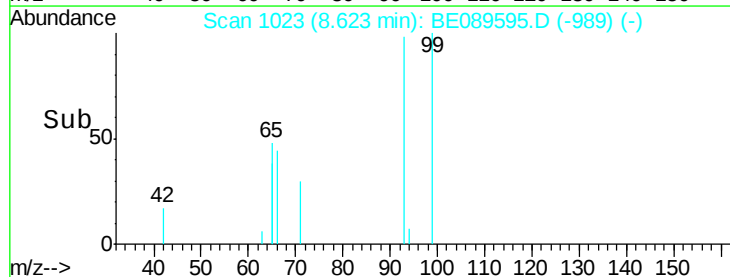
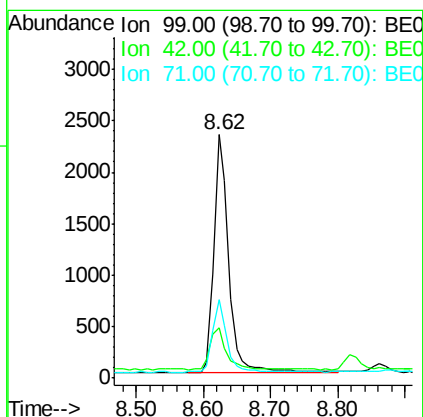
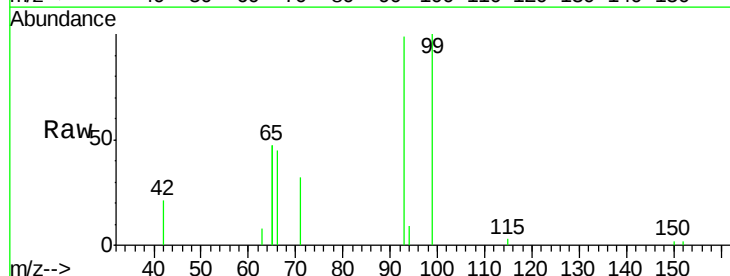
Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

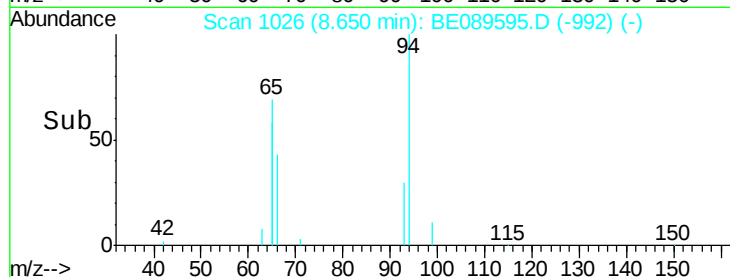
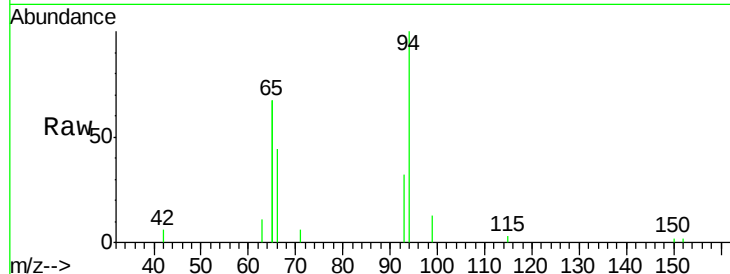
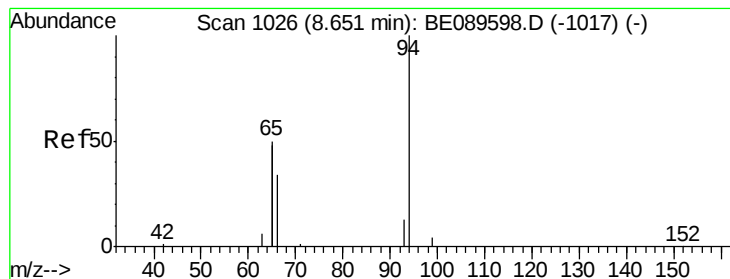
Tgt Ion: 112 Resp: 2703
Ion Ratio Lower Upper
112 100
64 59.9 41.7 62.5
63 31.7 20.3 30.5#



#4
Phenol-d6
Concen: 0.17 ng
RT: 8.62 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BE089595.D
Acq: 17 Feb 2015 15:10

Tgt Ion: 99 Resp: 3585
Ion Ratio Lower Upper
99 100
42 20.8 10.8 16.2#
71 32.0 21.8 32.6





#5

Phenol

Concen: 0.16 ng

RT: 8.65 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

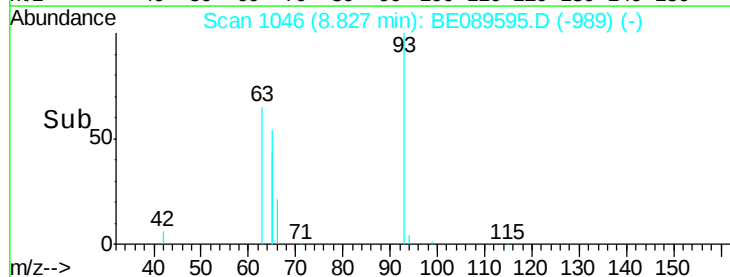
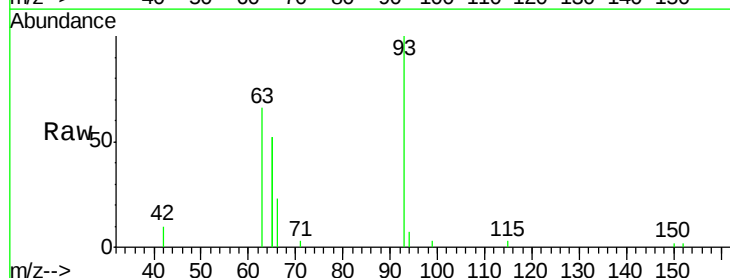
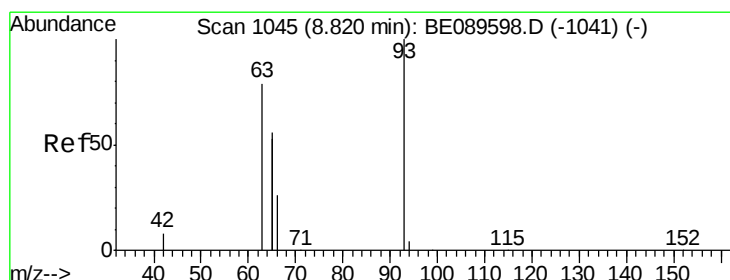
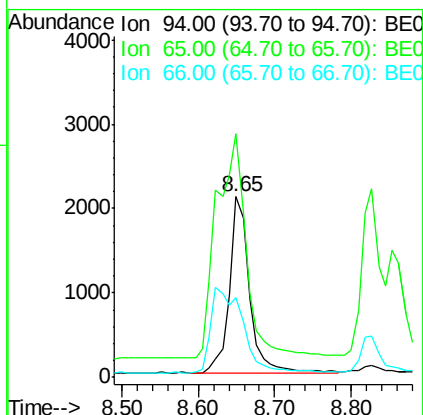
Tgt Ion: 94 Resp: 3800

Ion Ratio Lower Upper

94 100

65 134.9 78.6 118.6#

66 44.4 14.0 54.0



#6

bis(2-Chloroethyl)ether

Concen: 0.18 ng

RT: 8.83 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

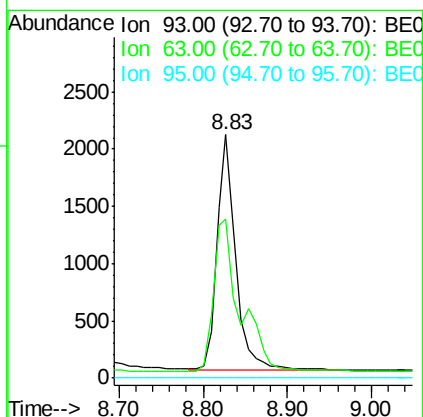
Tgt Ion: 93 Resp: 3220

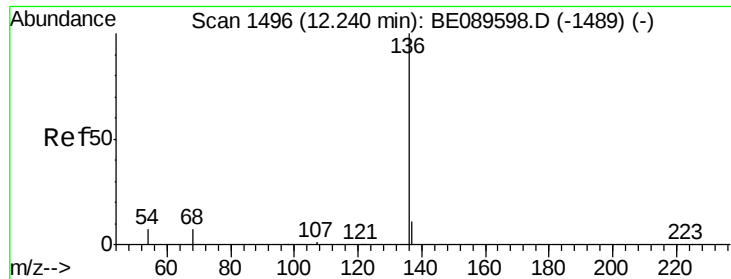
Ion Ratio Lower Upper

93 100

63 93.6 74.6 112.0

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.24 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDICC0.2

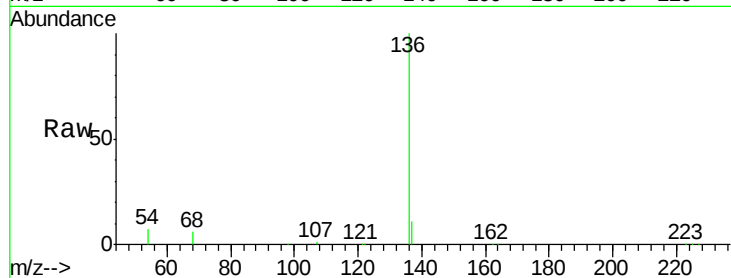
Tgt Ion: 136 Resp: 233271

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

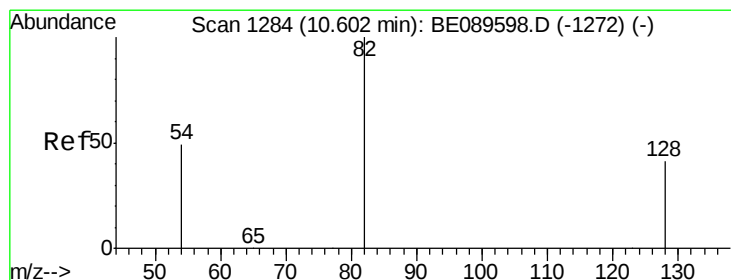
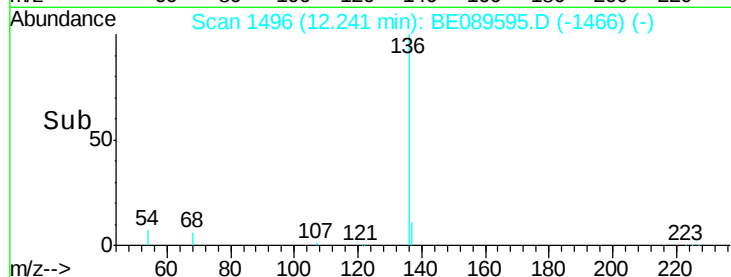
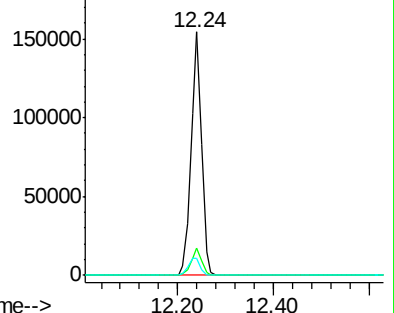
54 7.1 5.7 8.5



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: 0.17 ng

RT: 10.61 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

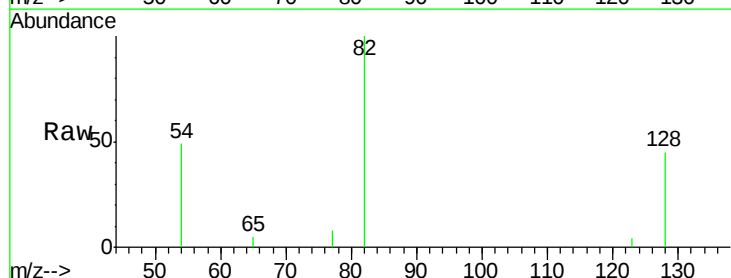
Tgt Ion: 82 Resp: 1618

Ion Ratio Lower Upper

82 100

128 44.7 33.2 49.8

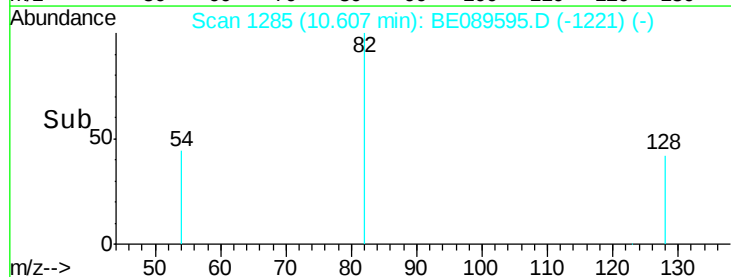
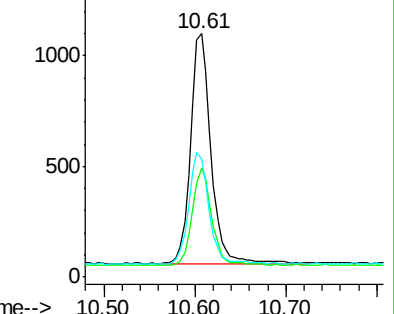
54 48.7 39.6 59.4

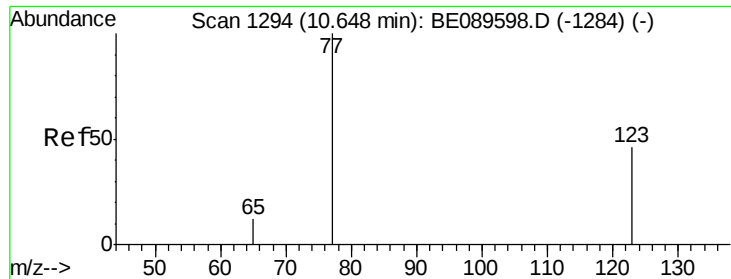


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.16 ng

RT: 10.65 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

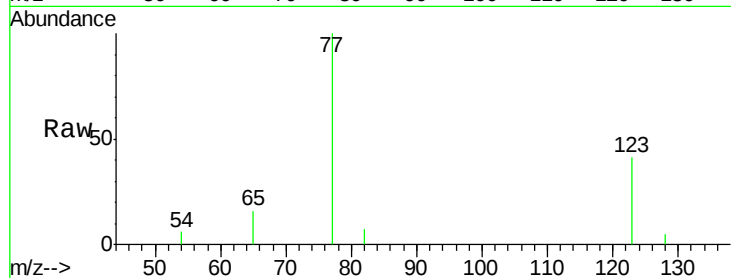
Tgt Ion: 77 Resp: 1784

Ion Ratio Lower Upper

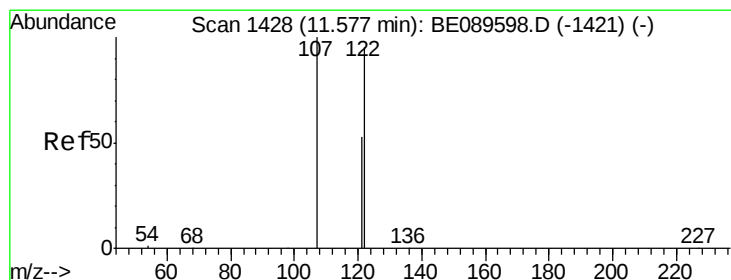
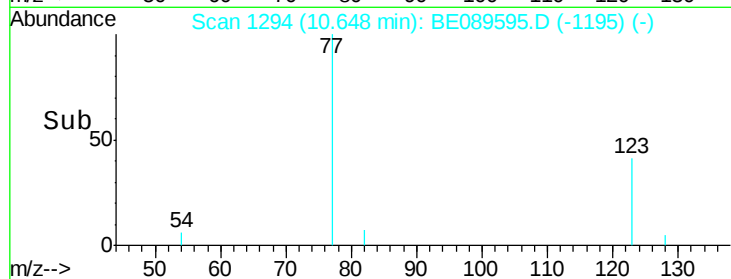
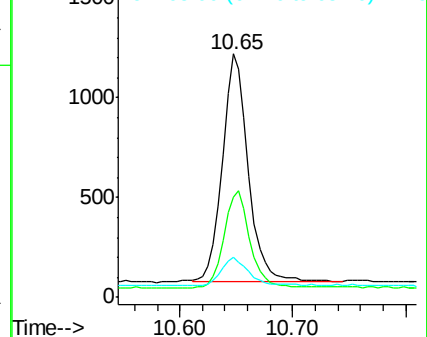
77 100

123 41.8 36.5 54.7

65 13.1 10.2 15.4



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: 0.15 ng

RT: 11.58 min Scan# 1428

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

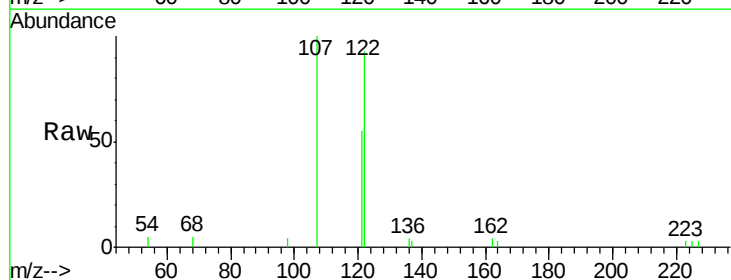
Tgt Ion: 122 Resp: 1994

Ion Ratio Lower Upper

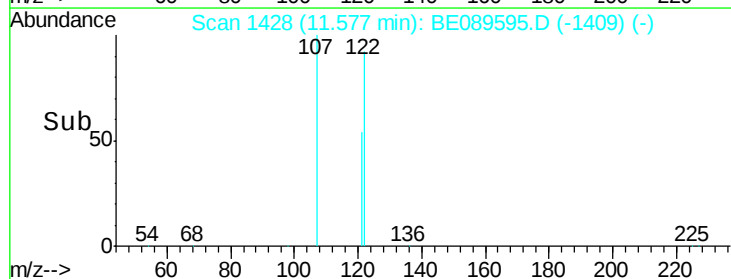
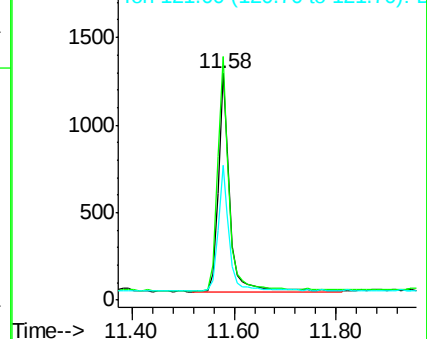
122 100

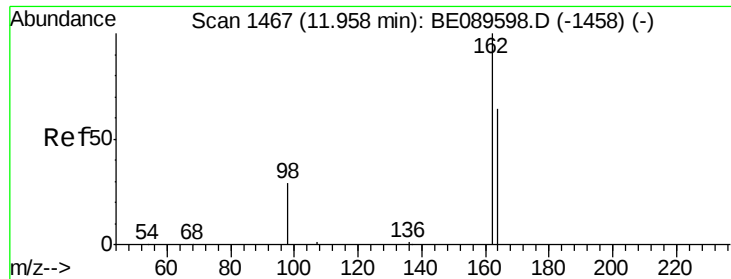
107 107.5 83.9 125.9

121 59.6 44.9 67.3



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

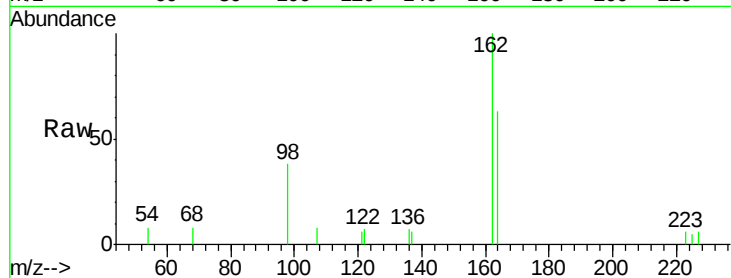




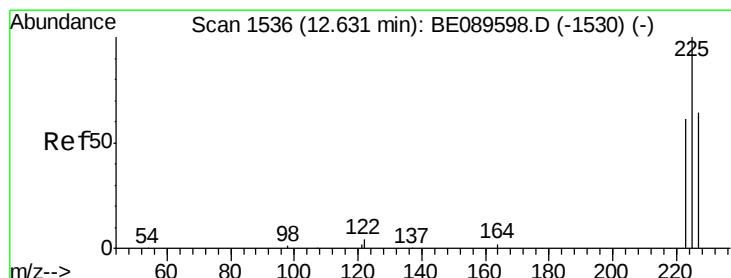
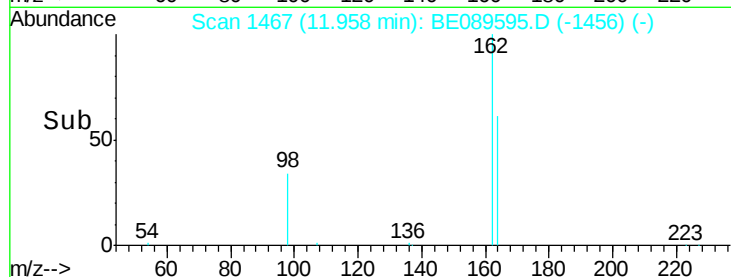
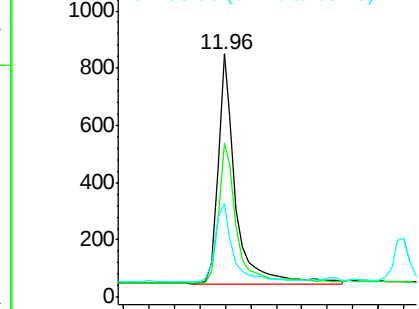
#11
2,4-Dichlorophenol
Concen: 0.15 ng
RT: 11.96 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BE089595.D
Acq: 17 Feb 2015 15:10

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion:162 Resp: 1567
Ion Ratio Lower Upper
162 100
164 63.2 44.7 84.7
98 38.4 10.3 50.3

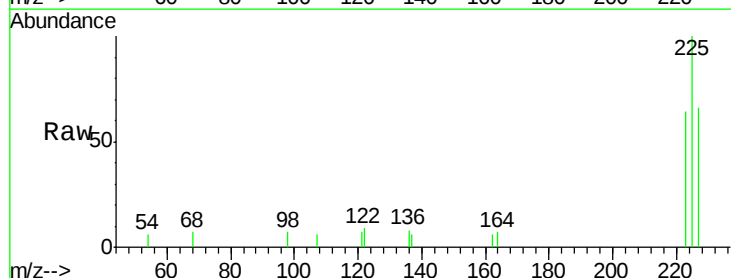


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): E

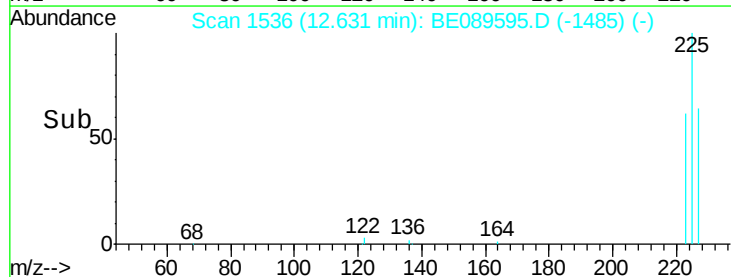
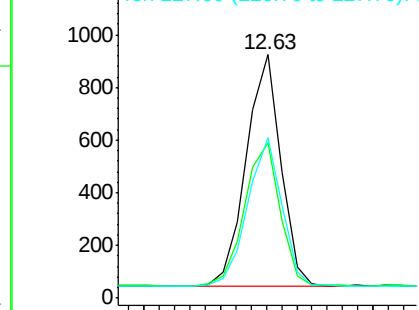


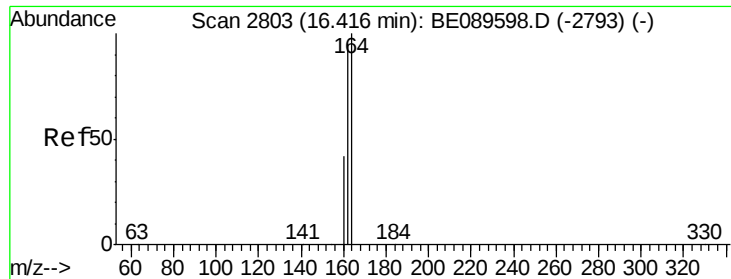
#12
Hexachlorobutadiene
Concen: 0.19 ng
RT: 12.63 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BE089595.D
Acq: 17 Feb 2015 15:10

Tgt Ion:225 Resp: 1381
Ion Ratio Lower Upper
225 100
223 63.9 50.3 75.5
227 63.8 50.6 75.8



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: 16.42 min Scan# 2803

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

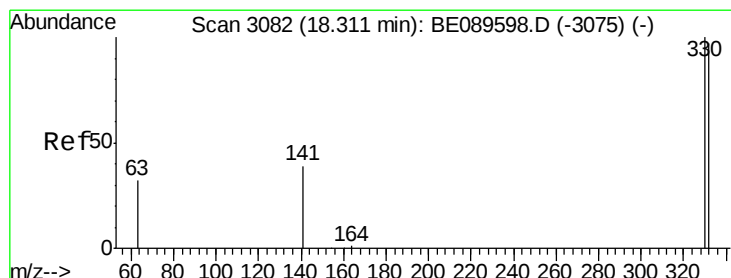
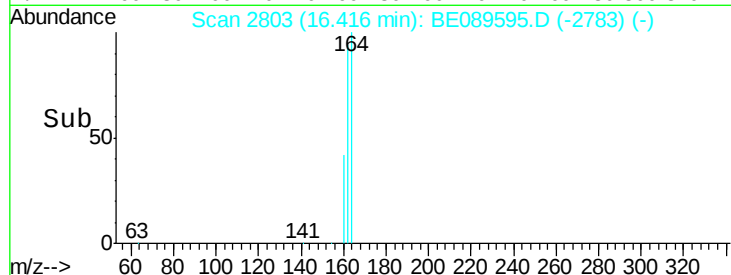
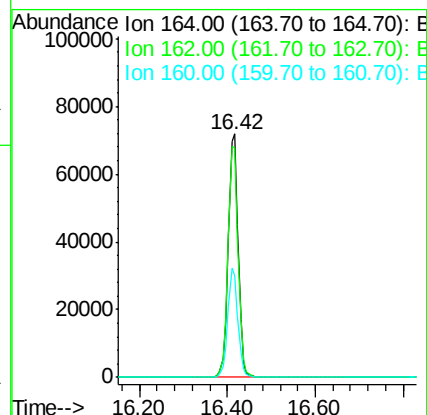
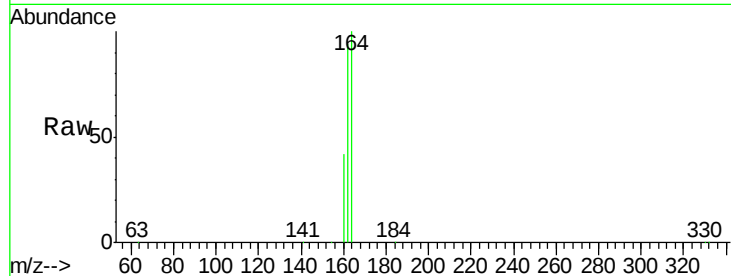
Tgt Ion:164 Resp: 112918

Ion Ratio Lower Upper

164 100

162 94.1 76.3 114.5

160 41.9 33.9 50.9



#14

2,4,6-Tribromophenol

Concen: 0.13 ng

RT: 18.31 min Scan# 3082

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

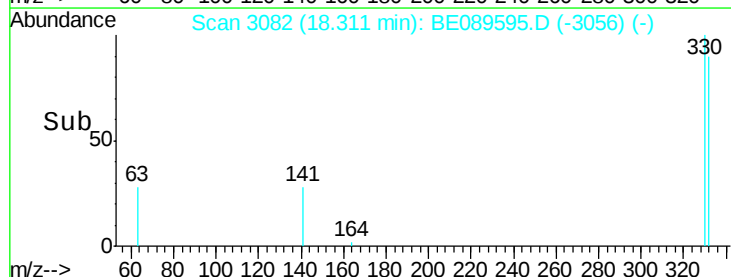
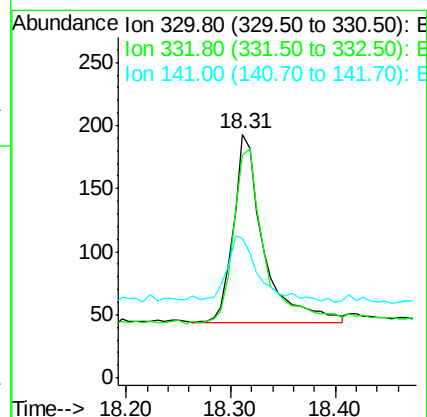
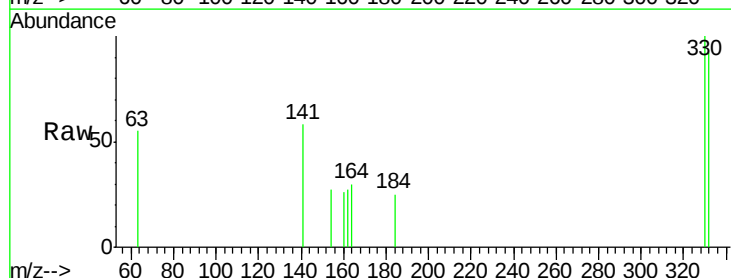
Tgt Ion:330 Resp: 299

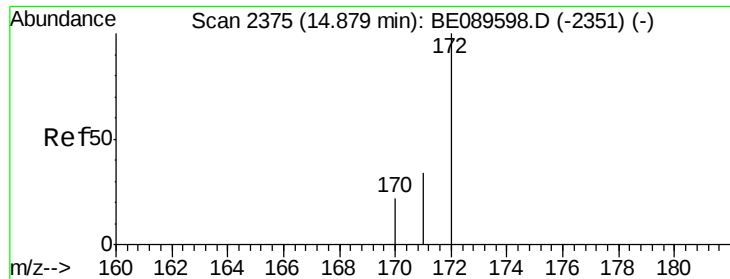
Ion Ratio Lower Upper

330 100

332 95.0 76.7 115.1

141 37.5 30.1 45.1

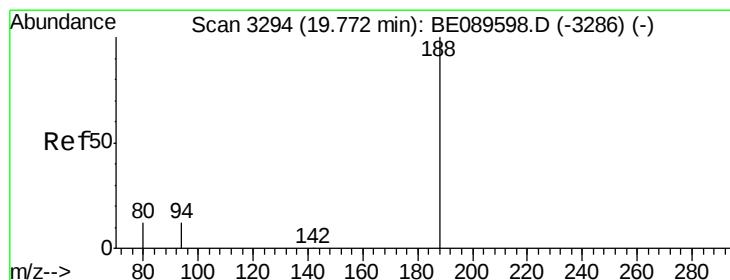
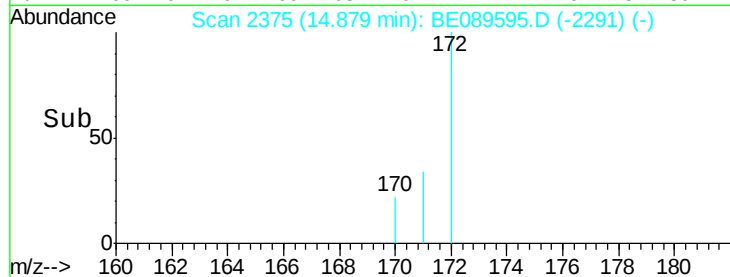
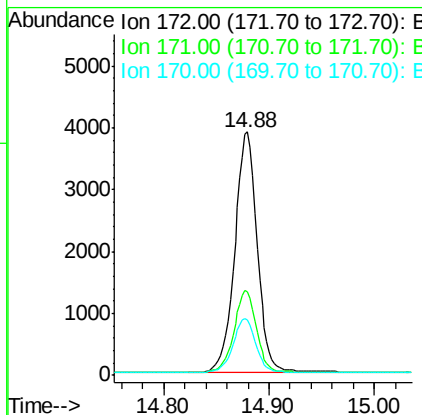
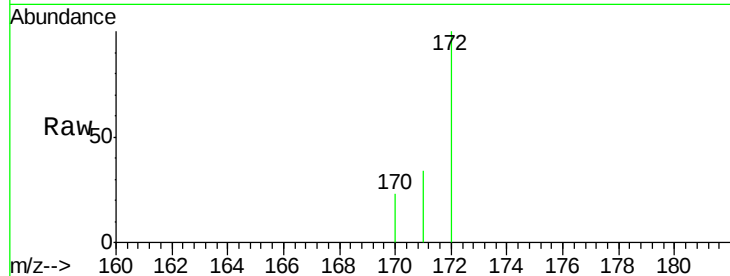




#15
2-Fluorobiphenyl
Concen: 0.19 ng
RT: 14.88 min Scan# 2375
Delta R.T. 0.00 min
Lab File: BE089595.D
Acq: 17 Feb 2015 15:10

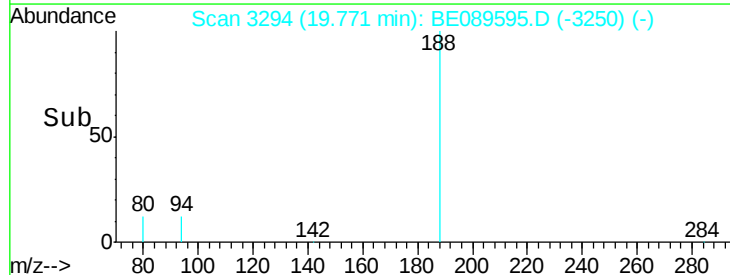
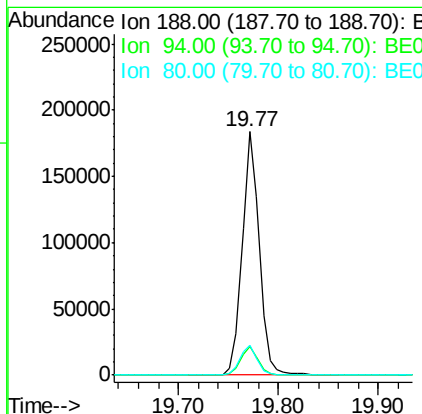
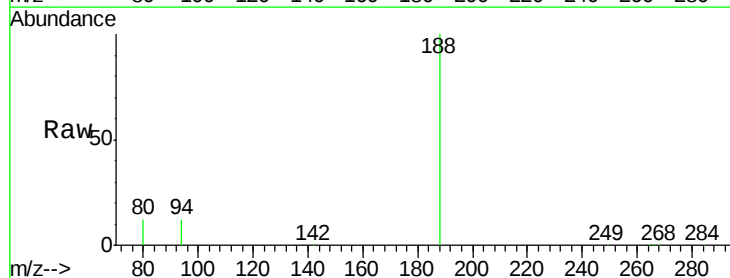
Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

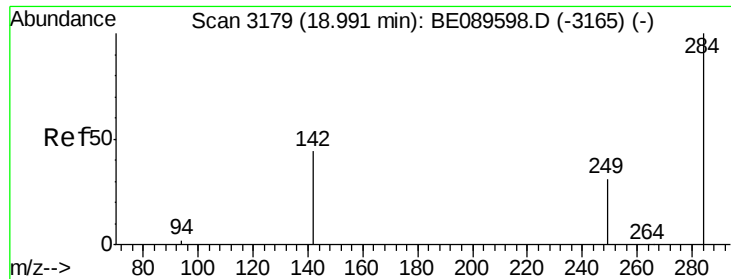
Tgt Ion:172 Resp: 5757
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.0
170 22.9 17.9 26.9



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3294
Delta R.T. -0.00 min
Lab File: BE089595.D
Acq: 17 Feb 2015 15:10

Tgt Ion:188 Resp: 217008
Ion Ratio Lower Upper
188 100
94 11.9 9.4 14.2
80 12.3 9.8 14.8

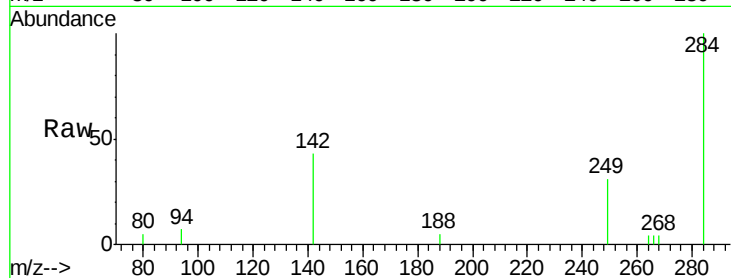




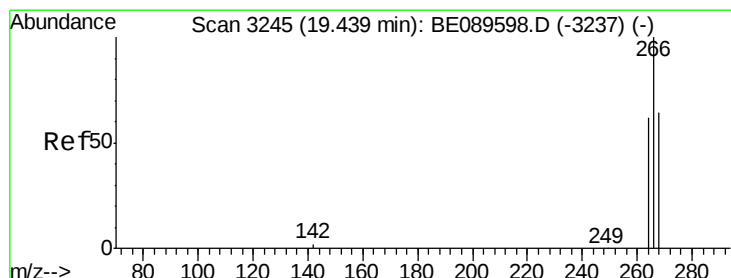
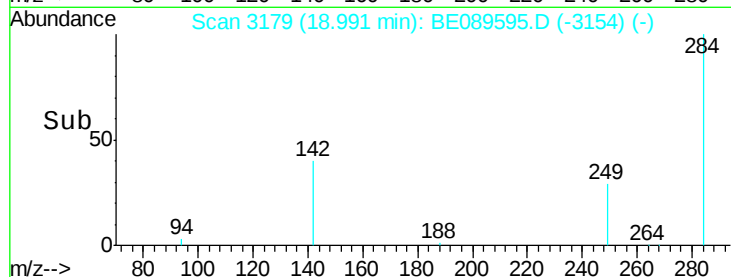
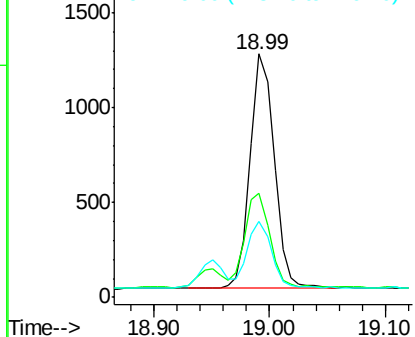
#18
Hexachlorobenzene
Concen: 0.20 ng
RT: 18.99 min Scan# 3179
Delta R.T. -0.00 min
Lab File: BE089595.D
Acq: 17 Feb 2015 15:10

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion: 284 Resp: 1786
Ion Ratio Lower Upper
284 100
142 42.9 35.6 53.4
249 31.4 25.2 37.8

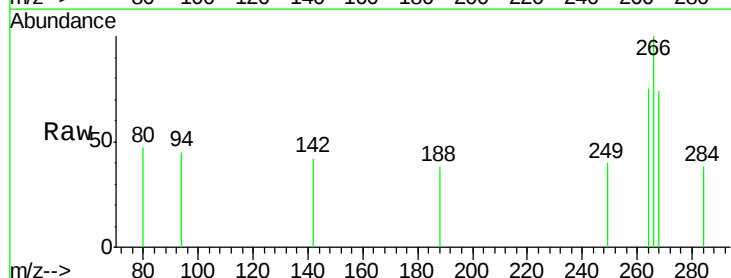


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

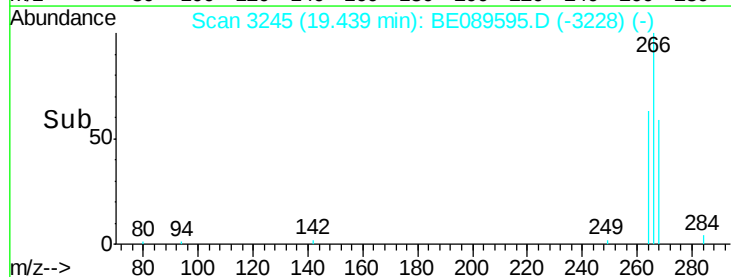
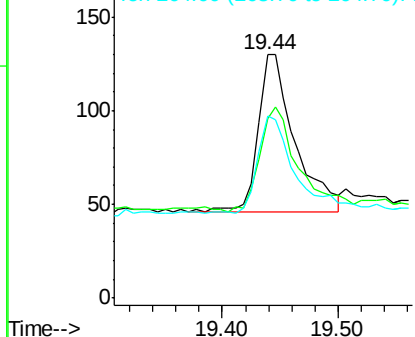


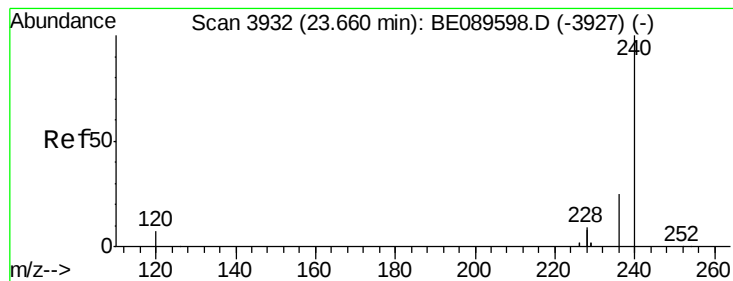
#19
Pentachlorophenol
Concen: 0.12 ng
RT: 19.44 min Scan# 3245
Delta R.T. -0.00 min
Lab File: BE089595.D
Acq: 17 Feb 2015 15:10

Tgt Ion: 266 Resp: 184
Ion Ratio Lower Upper
266 100
268 73.8 53.0 79.4
264 74.6 51.9 77.9



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3932

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

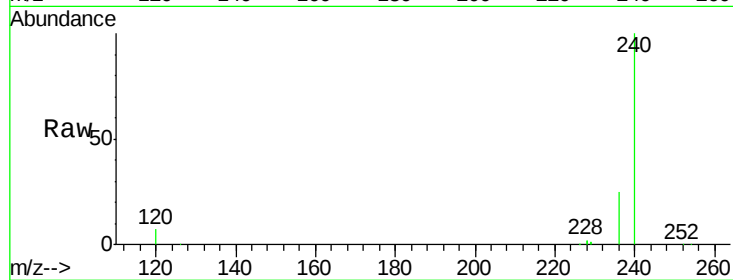
Tgt Ion:240 Resp: 211932

Ion Ratio Lower Upper

240 100

120 6.5 5.4 8.0

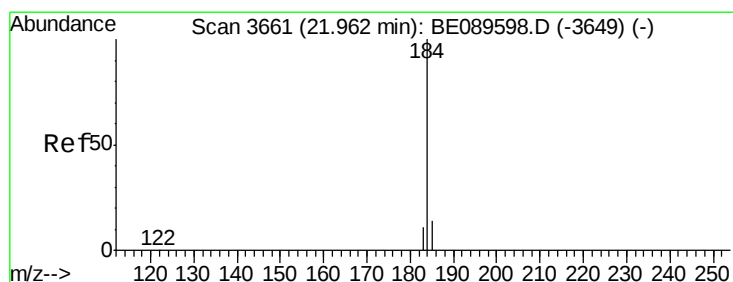
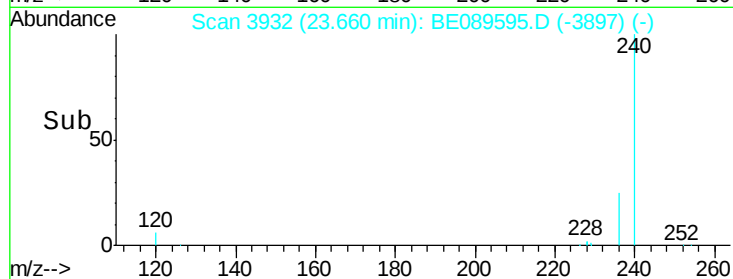
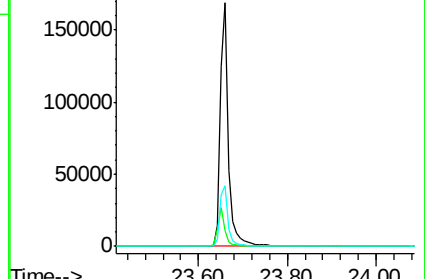
236 24.7 19.8 29.6



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



#21

Benzidine

Concen: 0.18 ng

RT: 21.96 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

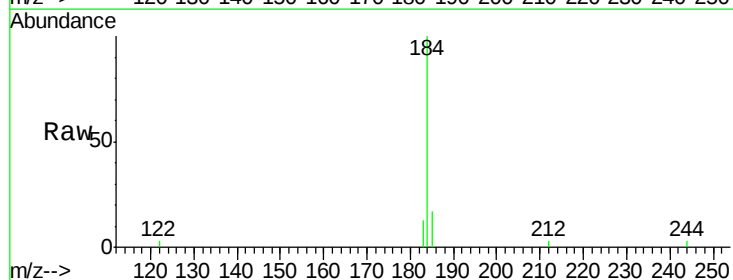
Tgt Ion:184 Resp: 2890

Ion Ratio Lower Upper

184 100

185 17.0 11.8 17.8

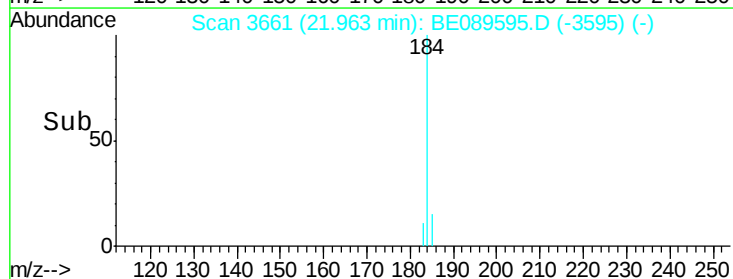
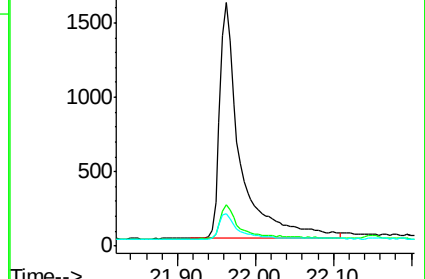
183 13.4 9.3 13.9

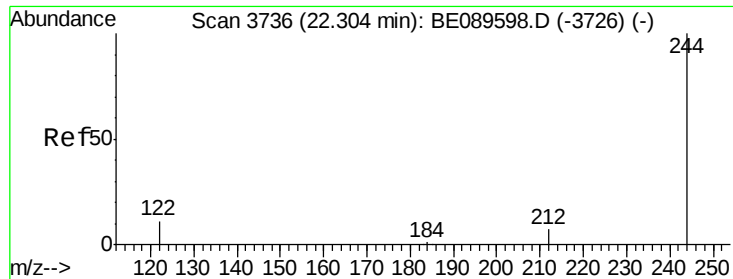


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

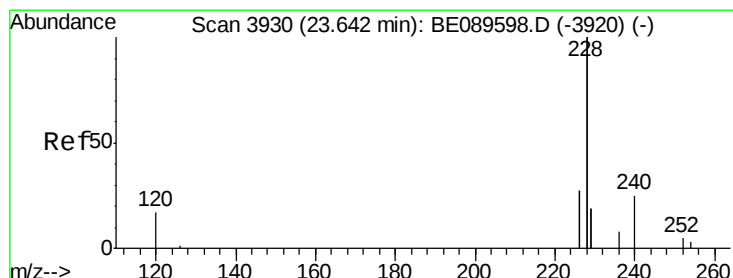
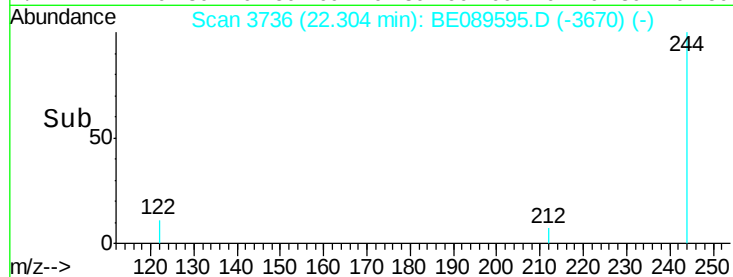
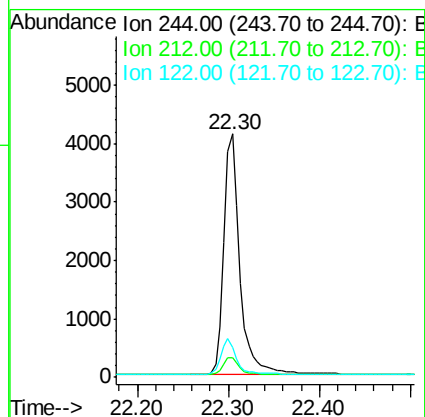
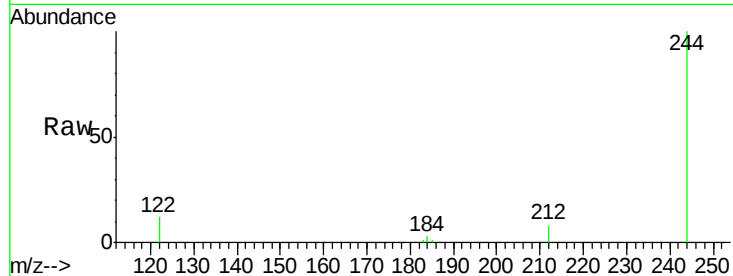




#22
 Terphenyl-d14
 Concen: 0.18 ng
 RT: 22.30 min Scan# 3736
 Delta R.T. 0.00 min
 Lab File: BE089595.D
 Acq: 17 Feb 2015 15:10

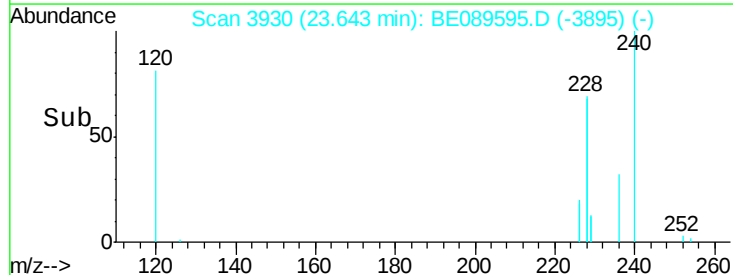
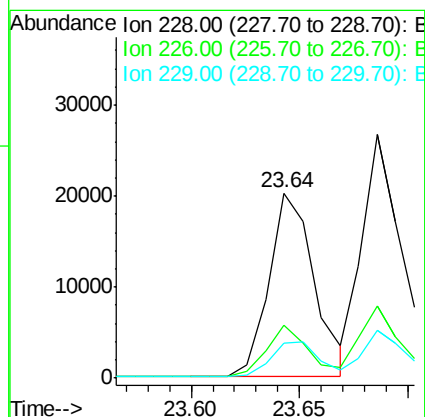
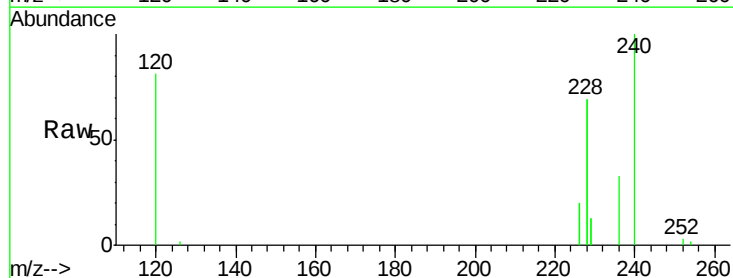
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

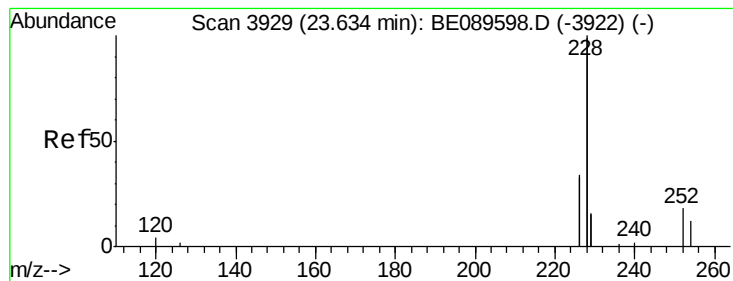
Tgt Ion:244 Resp: 5070
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.7 8.5
 122 12.4 8.6 13.0



#23
 Benzo(a)anthracene
 Concen: 0.15 ng
 RT: 23.64 min Scan# 3930
 Delta R.T. 0.00 min
 Lab File: BE089595.D
 Acq: 17 Feb 2015 15:10

Tgt Ion:228 Resp: 29348
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.5 32.3
 229 18.7 15.0 22.6





#24

3,3'-Dichlorobenzidine

Concen: 0.09 ng

RT: 23.63 min Scan# 3929

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

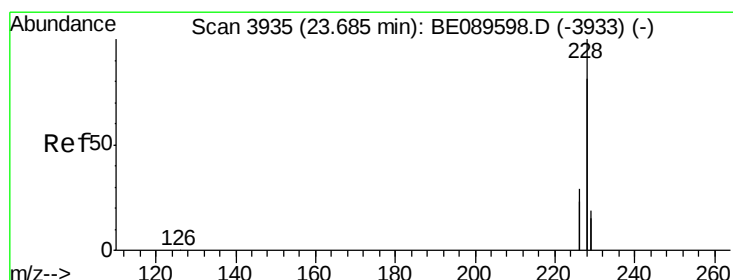
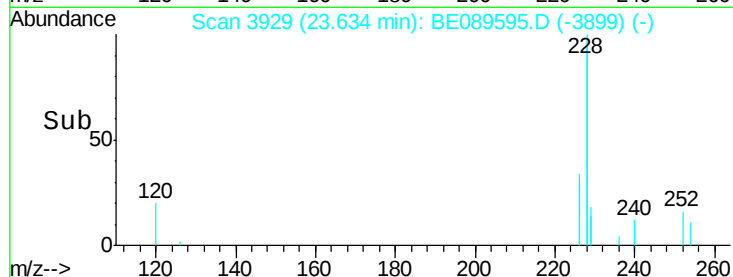
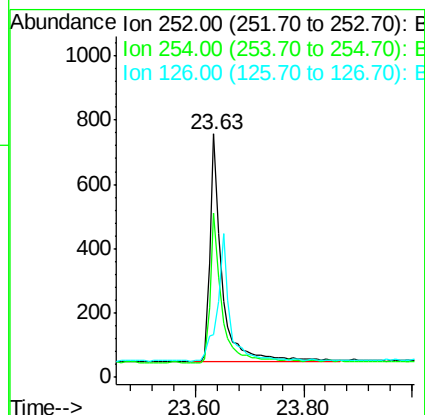
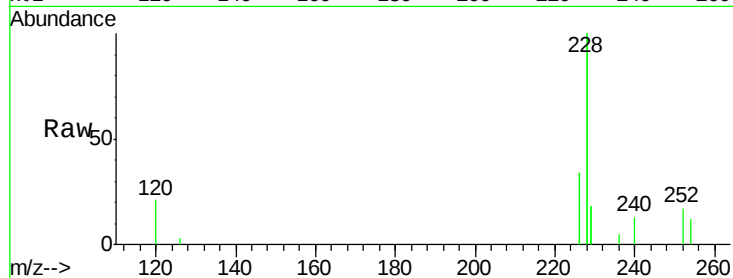
Tgt Ion:252 Resp: 1122

Ion Ratio Lower Upper

252 100

254 67.6 51.7 77.5

126 17.6 9.9 14.9#



#25

Chrysene

Concen: 0.20 ng

RT: 23.69 min Scan# 3935

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

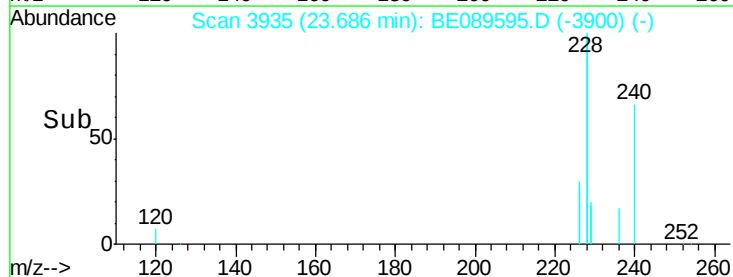
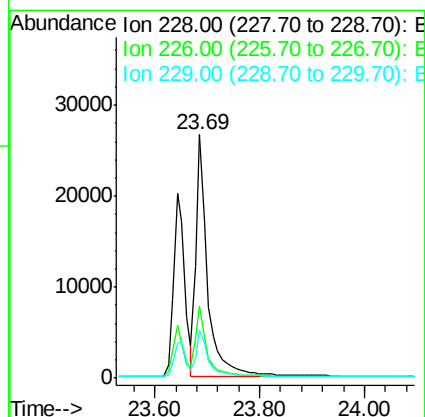
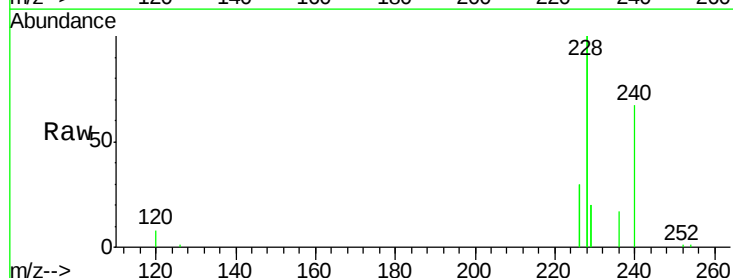
Tgt Ion:228 Resp: 41058

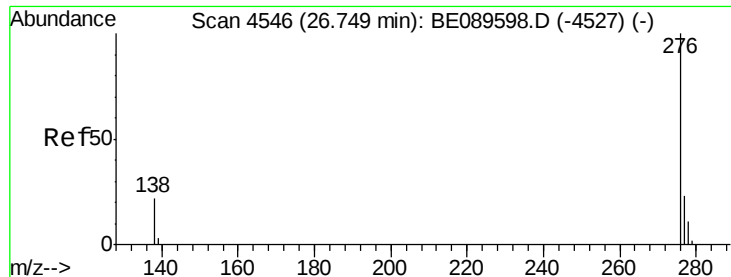
Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.2

229 19.6 15.3 22.9

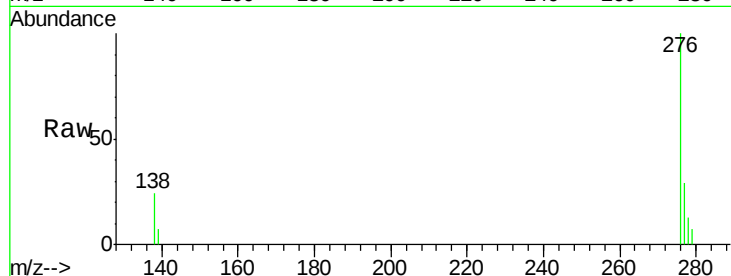




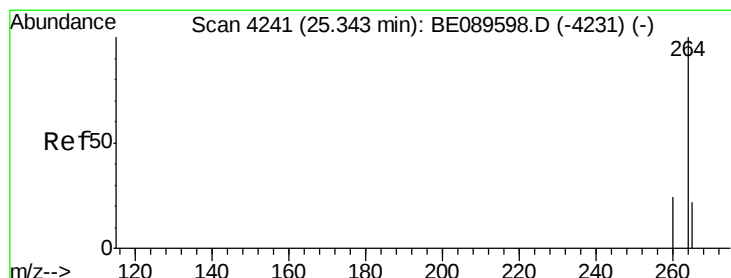
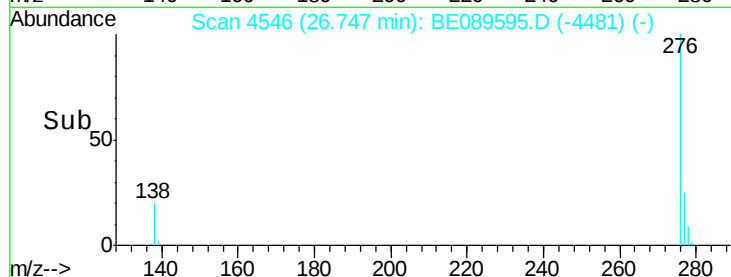
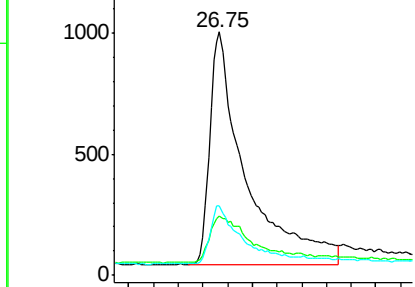
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.09 ng
 RT: 26.75 min Scan# 4546
 Delta R.T. -0.00 min
 Lab File: BE089595.D
 Acq: 17 Feb 2015 15:10

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion: 276 Resp: 3869
 Ion Ratio Lower Upper
 276 100
 138 22.5 0.0 0.0#
 277 22.8 19.9 29.9

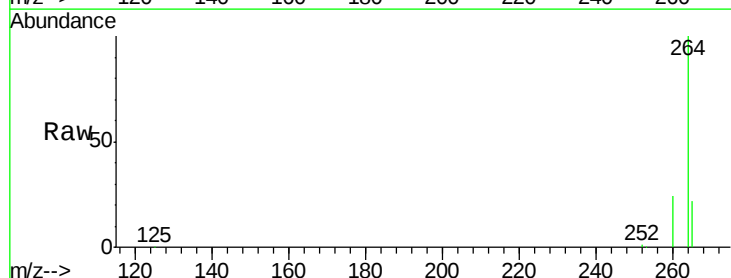


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

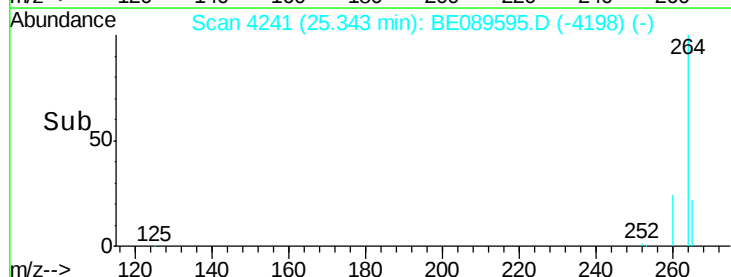
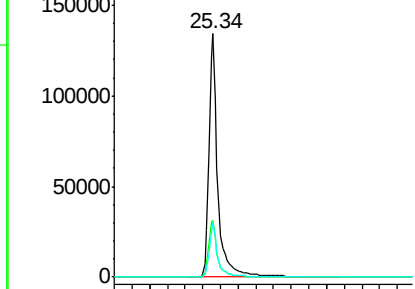


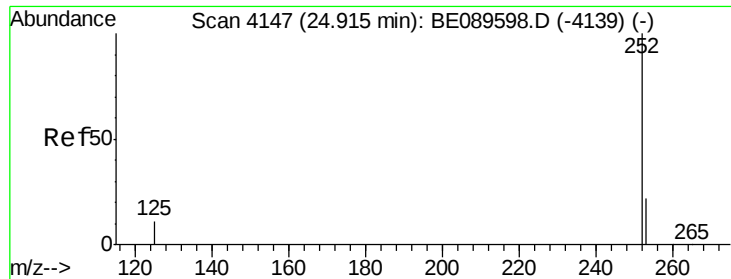
#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4241
 Delta R.T. 0.00 min
 Lab File: BE089595.D
 Acq: 17 Feb 2015 15:10

Tgt Ion: 264 Resp: 185333
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 22.1 17.8 26.8



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: 0.10 ng

RT: 24.91 min Scan# 4146

Delta R.T. -0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

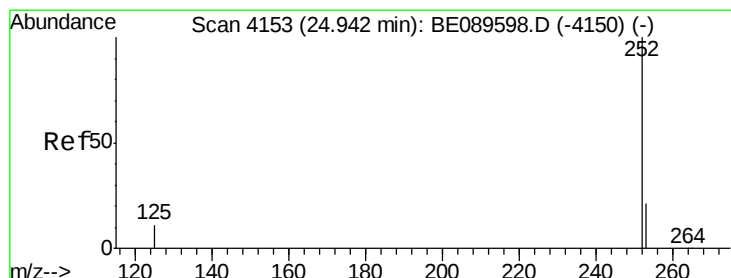
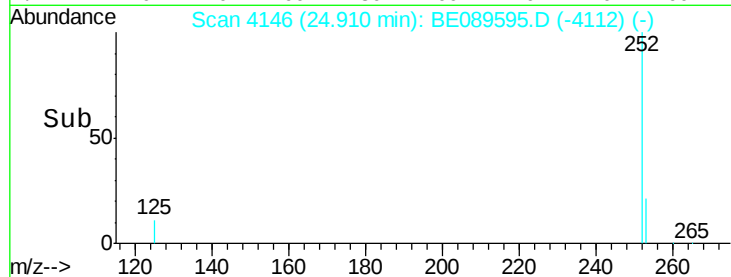
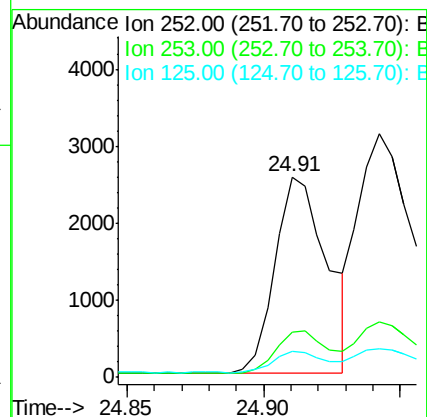
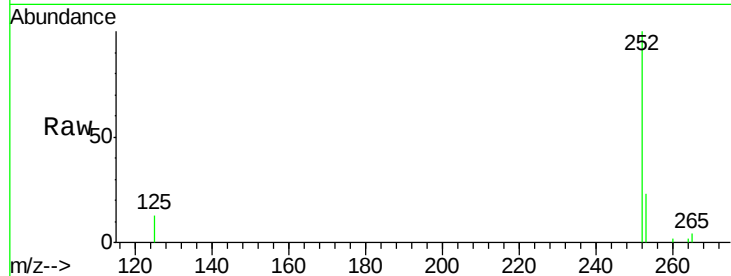
Tgt Ion:252 Resp: 3377

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 12.9 8.9 13.3



#29

Benzo(k)fluoranthene

Concen: 0.15 ng

RT: 24.94 min Scan# 4153

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

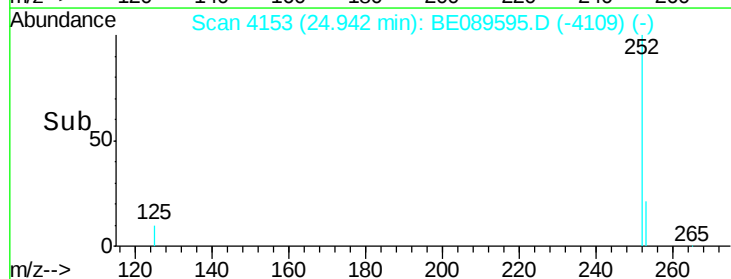
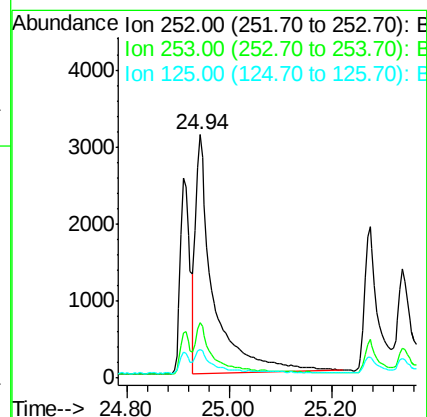
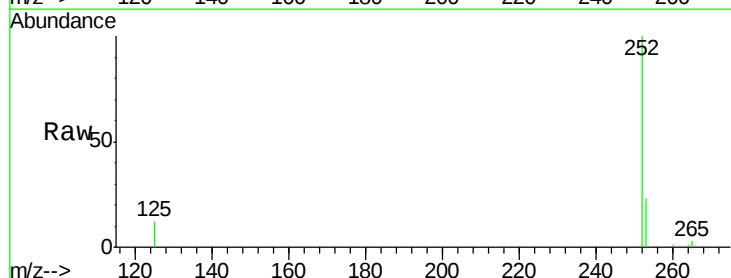
Tgt Ion:252 Resp: 7338

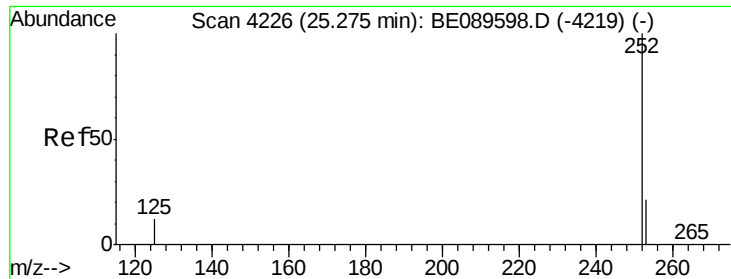
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 12.0 8.9 13.3





#30

Benzo(a)pyrene

Concen: 0.09 ng

RT: 25.27 min Scan# 4226

Delta R.T. 0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

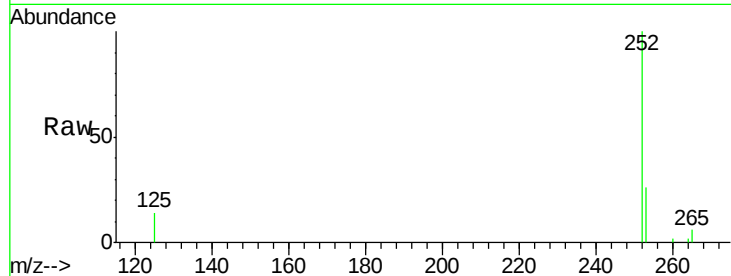
Tgt Ion:252 Resp: 3128

Ion Ratio Lower Upper

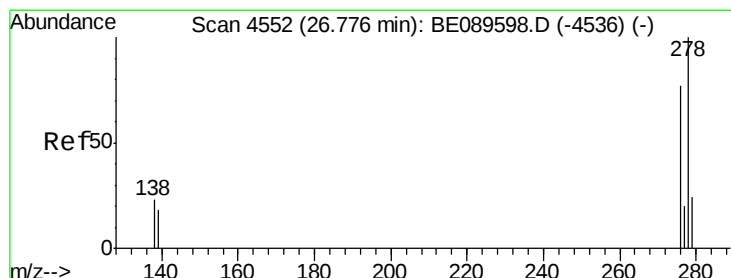
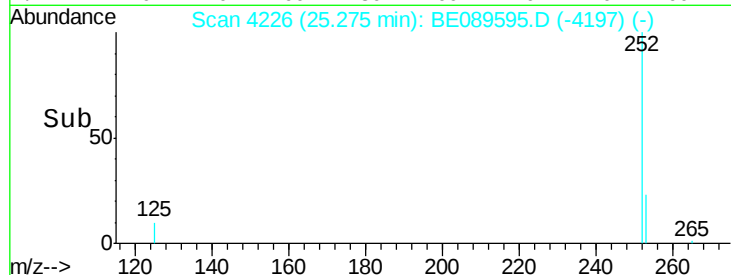
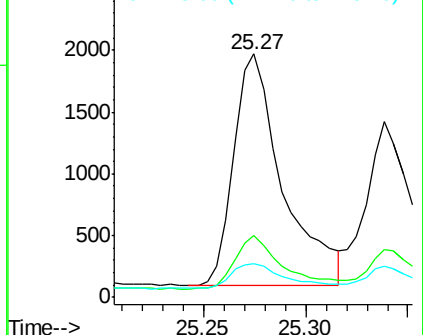
252 100

253 25.6 17.1 25.7

125 13.6 9.8 14.8



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: 0.08 ng

RT: 26.77 min Scan# 4552

Delta R.T. -0.00 min

Lab File: BE089595.D

Acq: 17 Feb 2015 15:10

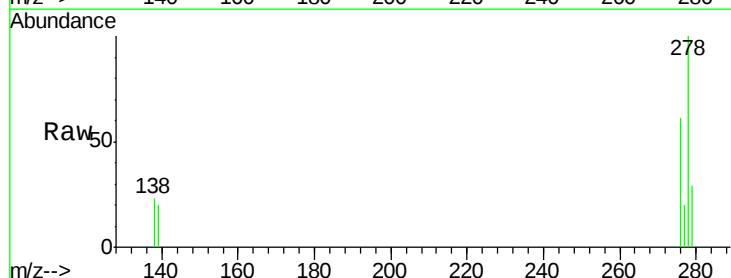
Tgt Ion:278 Resp: 2612

Ion Ratio Lower Upper

278 100

139 20.4 14.6 21.8

279 29.5 19.4 29.0#



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

