

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089700.D
 Acq On : 26 Feb 2015 21:29
 Operator : TP/JJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Quant Time: Feb 27 04:56:34 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE022615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 04:47:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	55748	5.00	ng	0.00
7) Naphthalene-d8	12.23	136	238857	5.00	ng	0.00
13) Acenaphthene-d10	16.40	164	109274	5.00	ng	0.00
17) Phenanthrene-d10	19.76	188	200551	5.00	ng	0.00
20) Chrysene-d12	23.65	240	154810	5.00	ng	0.00
27) Perylene-d12	25.34	264	120606	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.50	112	1255	0.07	ng	0.00
4) Phenol-d6	8.62	99	1738	0.08	ng	0.00
8) Nitrobenzene-d5	10.60	82	1381	0.08	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	79	0.03	ng	0.00
15) 2-Fluorobiphenyl	14.87	172	3010	0.09	ng	0.00
22) Terphenyl-d14	22.30	244	1797	0.11	ng	0.00

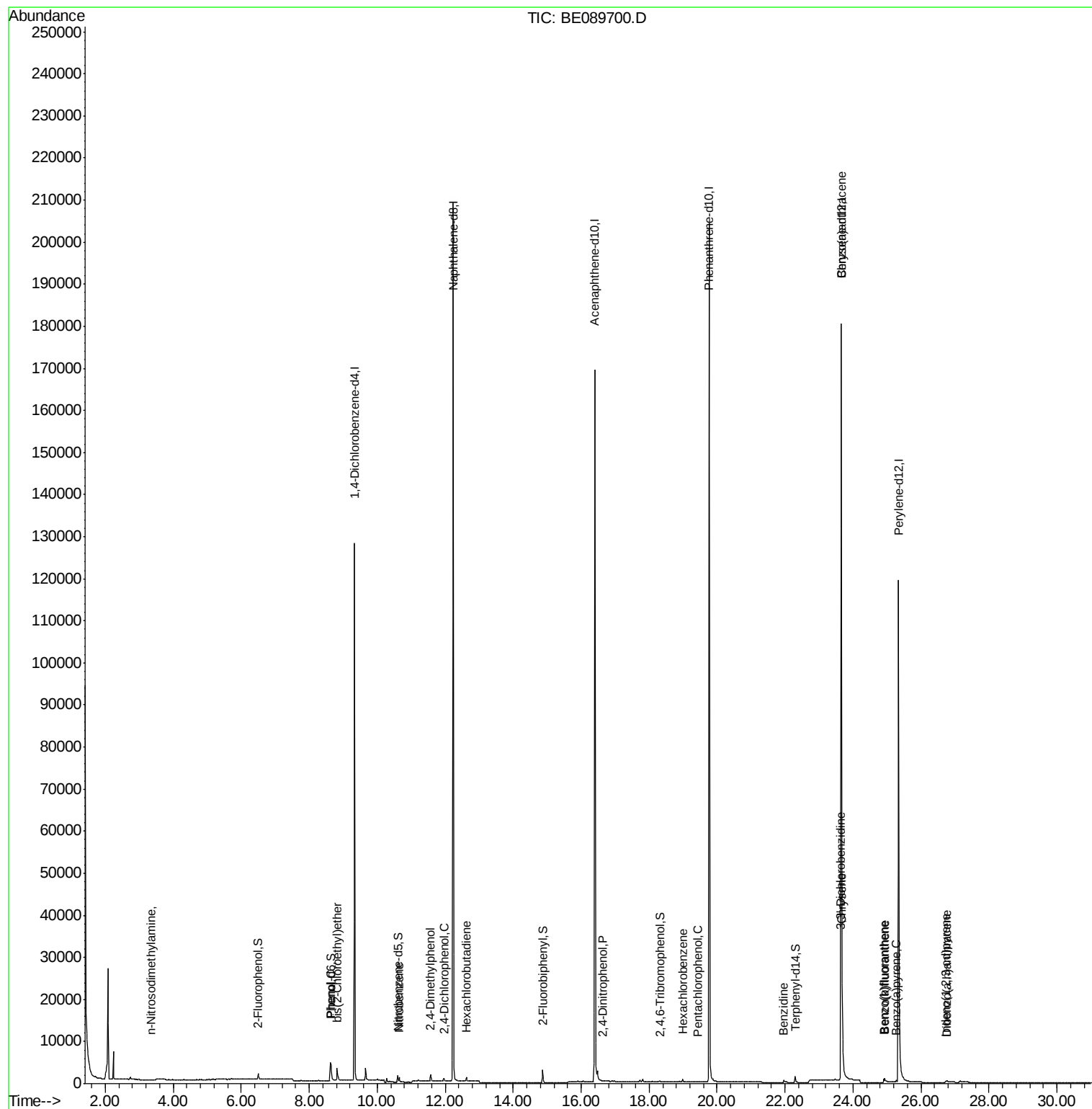
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.35	42	9	0.00	ng	# 1
5) Phenol	8.64	94	1926	0.09	ng	# 5
6) bis(2-Chloroethyl)ether	8.82	93	1541	0.09	ng	# 98
9) Nitrobenzene	10.64	77	1117	0.06	ng	97
10) 2,4-Dimethylphenol	11.57	122	989	0.07	ng	95
11) 2,4-Dichlorophenol	11.96	162	665	0.06	ng	91
12) Hexachlorobutadiene	12.62	225	473	0.06	ng	100
16) 2,4-Dinitrophenol	16.65	184	4	0.65	ng	# 64
18) Hexachlorobenzene	18.98	284	527	0.06	ng	# 87
19) Pentachlorophenol	19.43	266	67	0.30	ng	# 75
21) Benzidine	21.96	184	1183	0.10	ng	# 83
23) Benzo(a)anthracene	23.64	228	10761	0.08	ng	97
24) 3,3'-Dichlorobenzidine	23.63	252	345	0.38	ng	# 83
25) Chrysene	23.68	228	14737	0.09	ng	97
26) Indeno(1,2,3-cd)pyrene	26.73	276	660	0.21	ng	94
28) Benzo(b)fluoranthene	24.91	252	711	0.27	ng	# 85
29) Benzo(k)fluoranthene	24.93	252	1471	0.04	ng	# 85
30) Benzo(a)pyrene	25.27	252	738	0.37	ng	# 79
31) Dibenzo(a,h)anthracene	26.76	278	442	0.40	ng	# 61

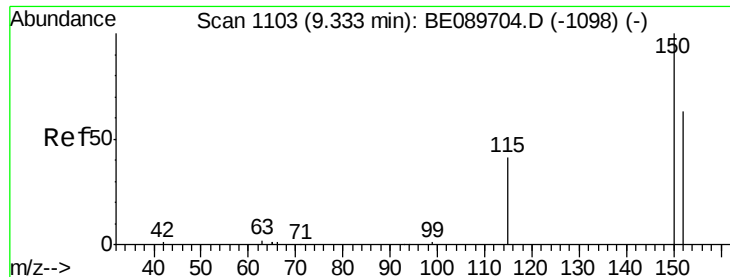
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
Data File : BE089700.D
Acq On : 26 Feb 2015 21:29
Operator : TP/JJ
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Quant Time: Feb 27 04:56:34 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE022615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 27 04:47:17 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1104

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

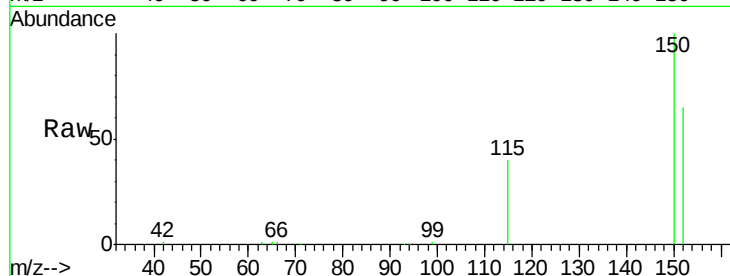
Tgt Ion:152 Resp: 55748

Ion Ratio Lower Upper

152 100

150 154.2 127.3 190.9

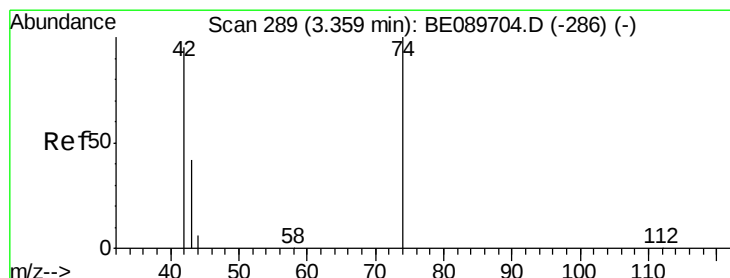
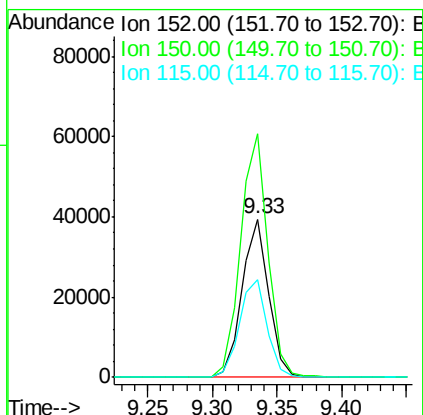
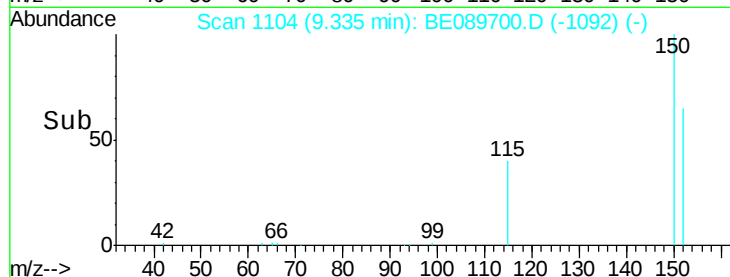
115 61.7 52.0 78.0



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: 0.00 ng

RT: 3.35 min Scan# 288

Delta R.T. -0.01 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

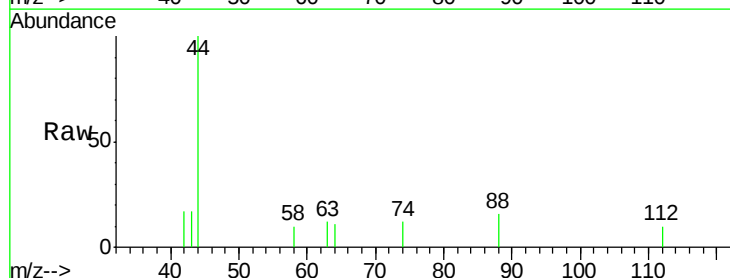
Tgt Ion: 42 Resp: 9

Ion Ratio Lower Upper

42 100

74 69.6 83.8 125.8#

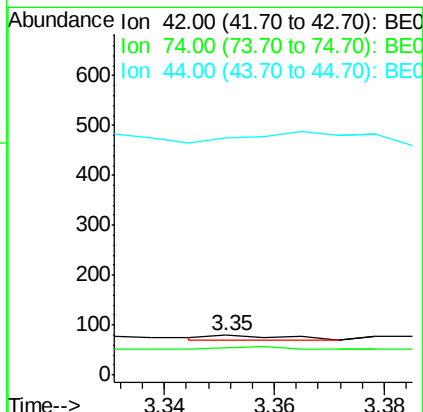
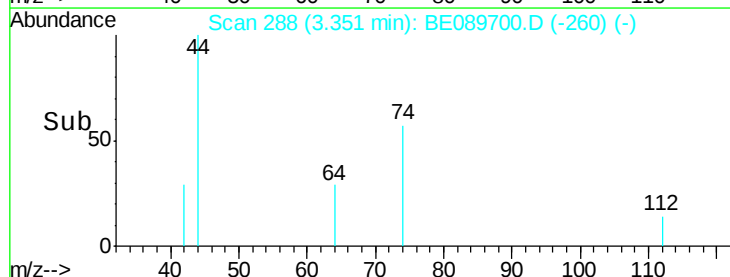
44 600.0 19.0 28.6#

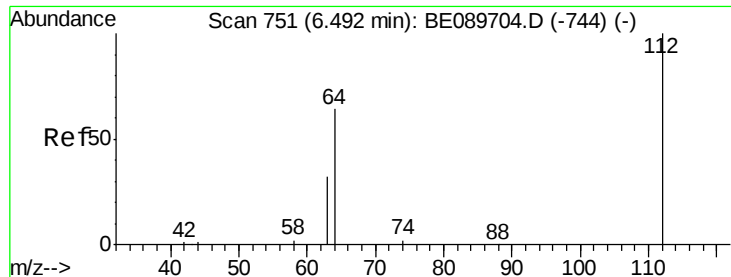


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 0.07 ng

RT: 6.50 min Scan# 752

Delta R.T. 0.01 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

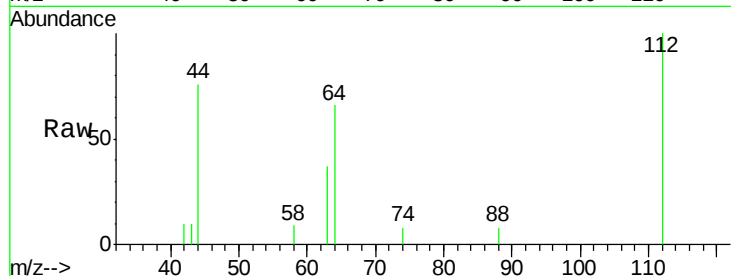
Tgt Ion: 112 Resp: 1255

Ion Ratio Lower Upper

112 100

64 66.0 51.3 76.9

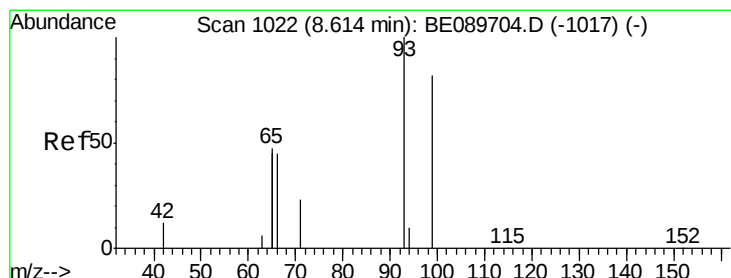
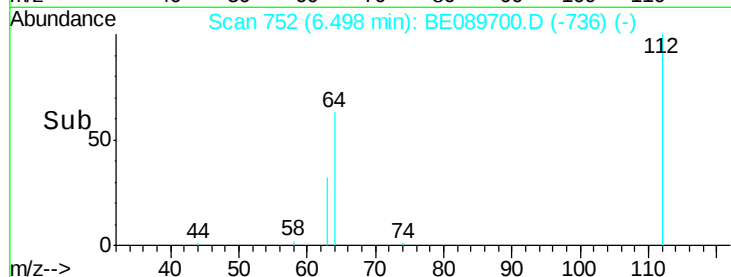
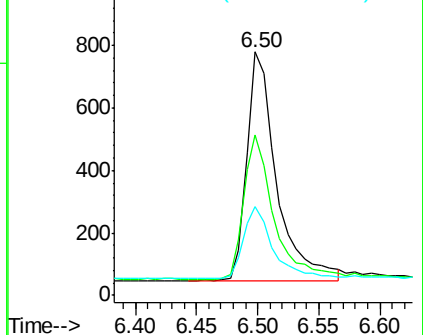
63 36.6 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#4

Phenol-d6

Concen: 0.08 ng

RT: 8.62 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

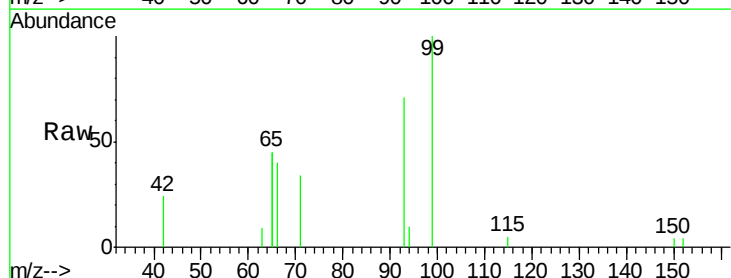
Tgt Ion: 99 Resp: 1738

Ion Ratio Lower Upper

99 100

42 23.8 12.3 18.5#

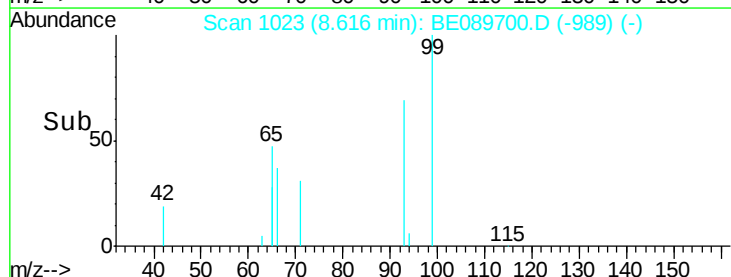
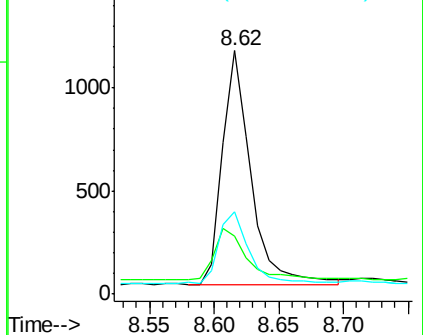
71 34.0 22.9 34.3

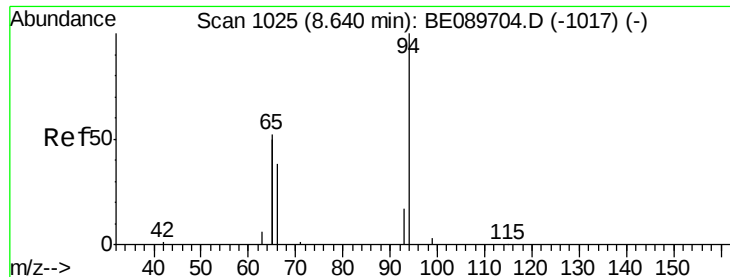


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.09 ng

RT: 8.64 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

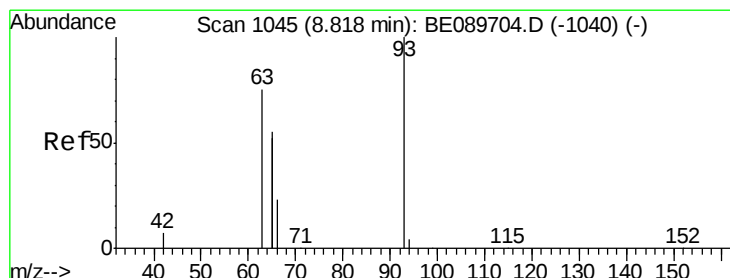
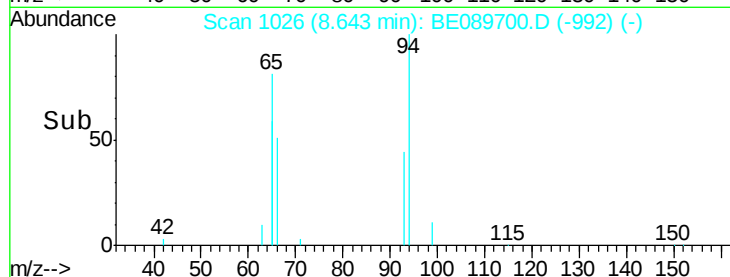
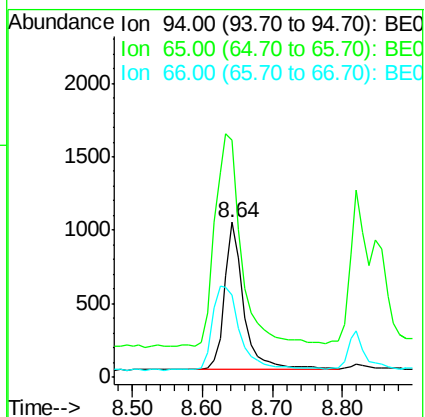
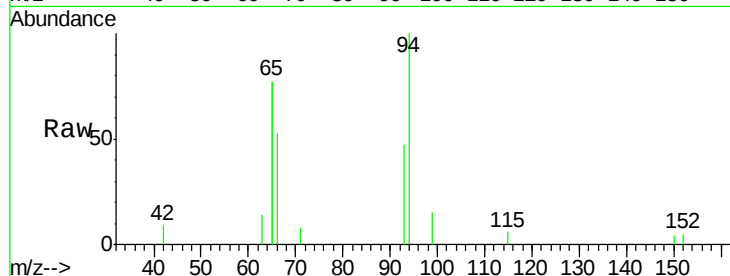
Tgt Ion: 94 Resp: 1926

Ion Ratio Lower Upper

94 100

65 153.6 31.7 71.7#

66 53.3 17.9 57.9



#6

bis(2-Chloroethyl)ether

Concen: 0.09 ng

RT: 8.82 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

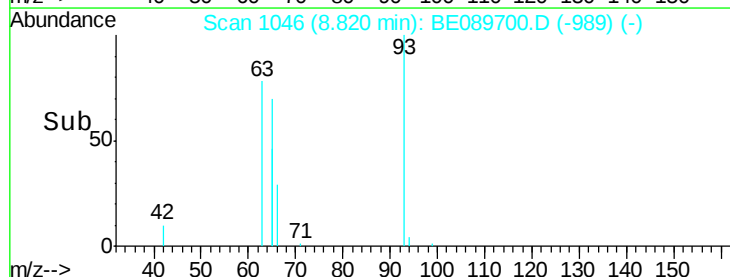
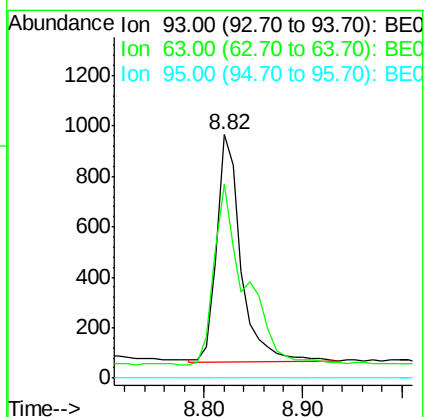
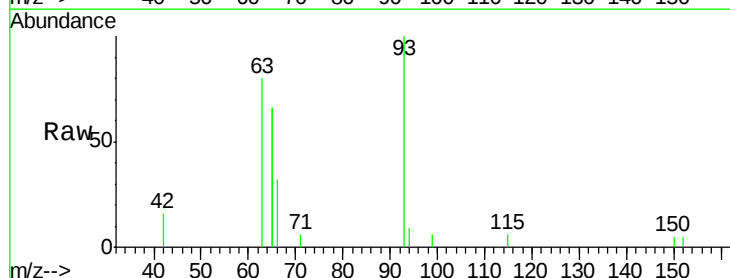
Tgt Ion: 93 Resp: 1541

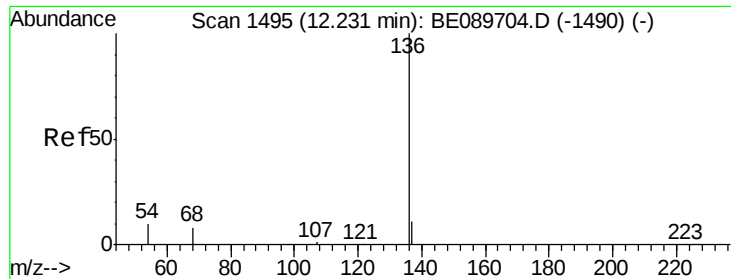
Ion Ratio Lower Upper

93 100

63 102.3 83.8 125.8

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.23 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

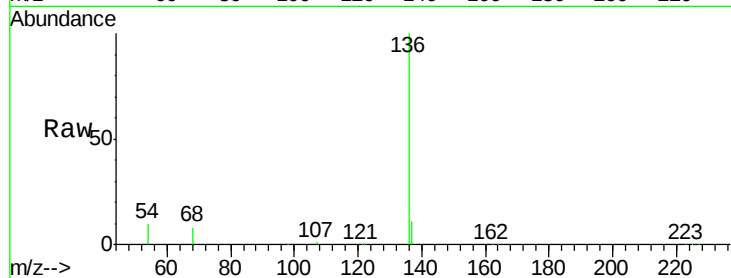
Tgt Ion: 136 Resp: 238857

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

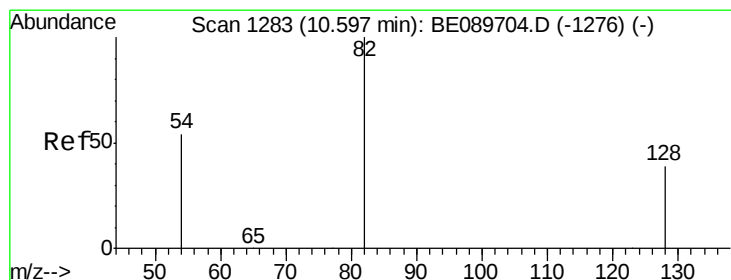
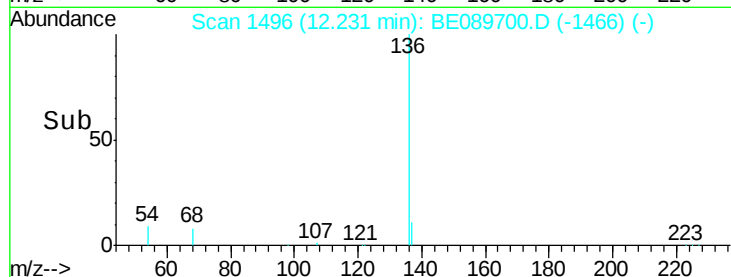
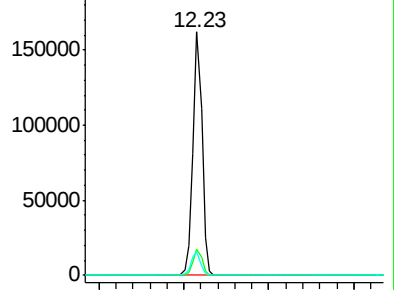
54 9.5 8.1 12.1



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: 0.08 ng

RT: 10.60 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

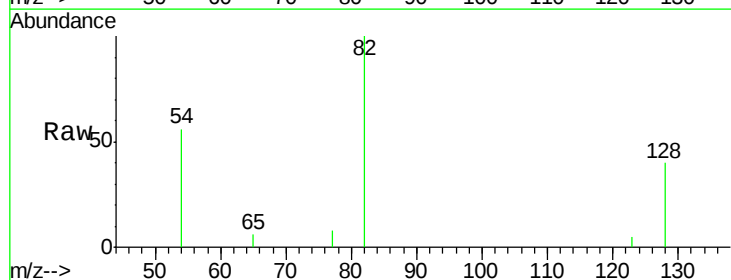
Tgt Ion: 82 Resp: 1381

Ion Ratio Lower Upper

82 100

128 40.0 31.4 47.2

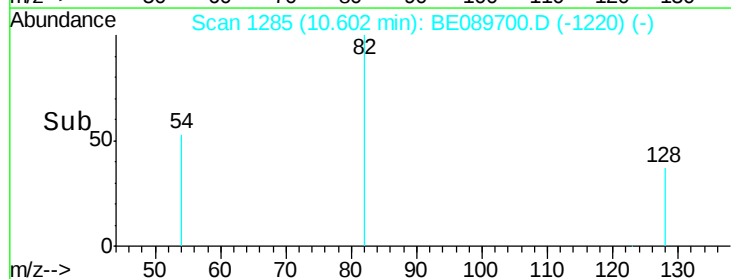
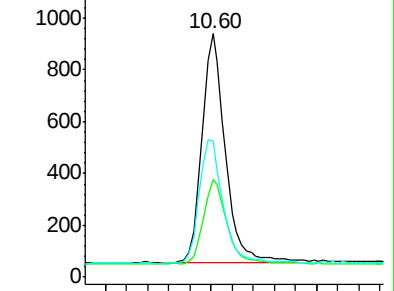
54 55.9 43.8 65.8

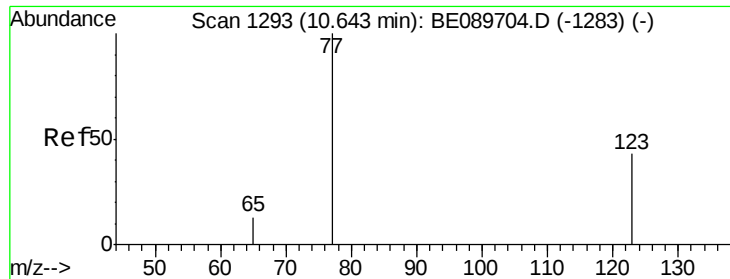


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.06 ng

RT: 10.64 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

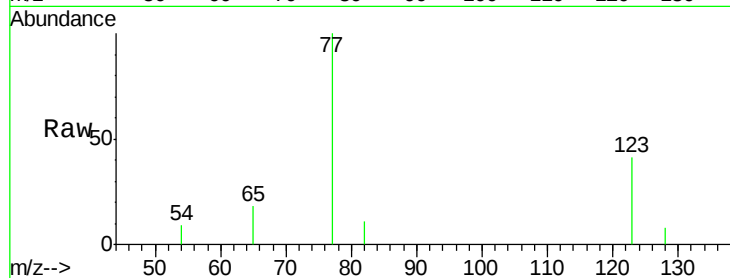
Tgt Ion: 77 Resp: 1117

Ion Ratio Lower Upper

77 100

123 39.1 33.2 49.8

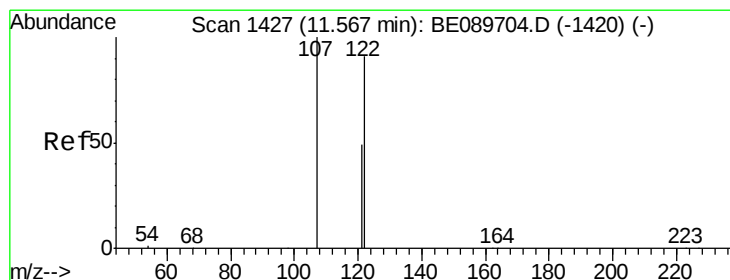
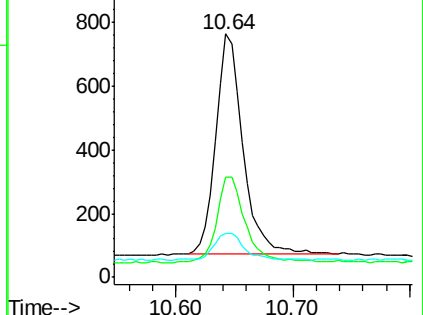
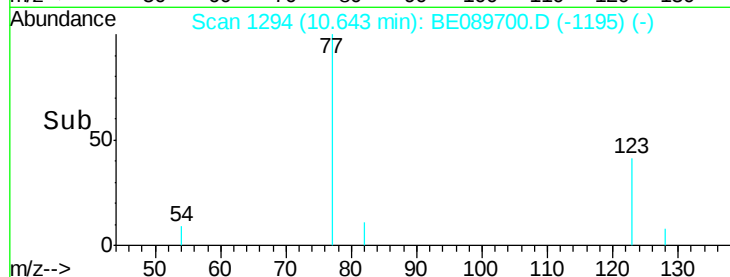
65 12.4 10.6 15.8



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: 0.07 ng

RT: 11.57 min Scan# 1428

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

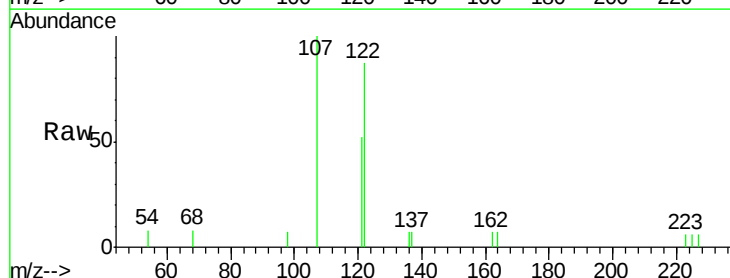
Tgt Ion: 122 Resp: 989

Ion Ratio Lower Upper

122 100

107 114.3 87.6 131.4

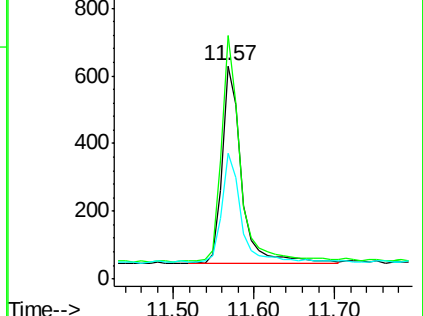
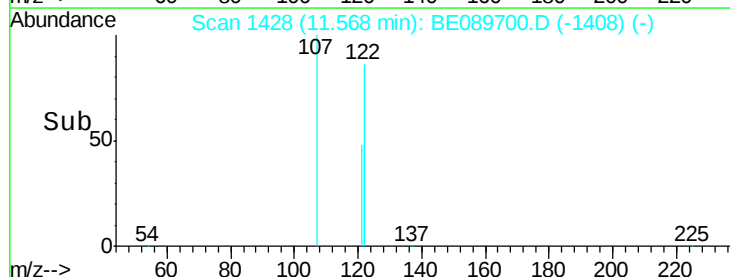
121 59.0 43.4 65.2

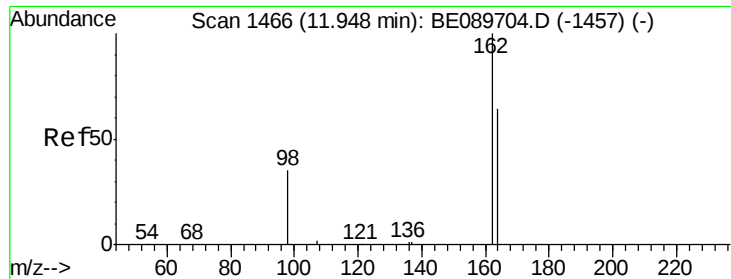


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

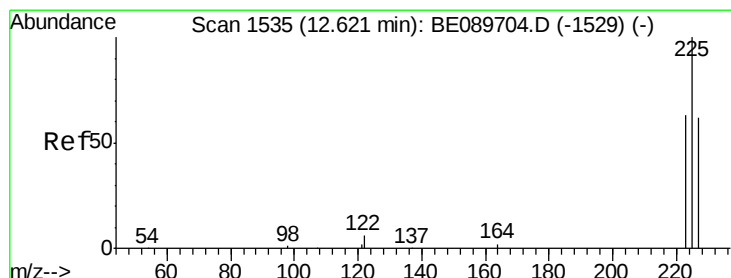
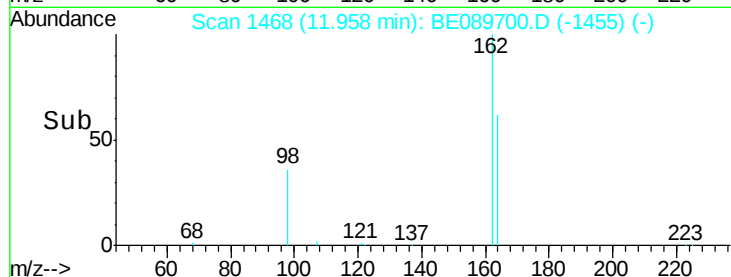
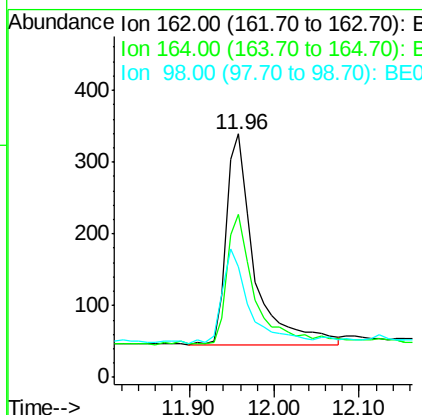
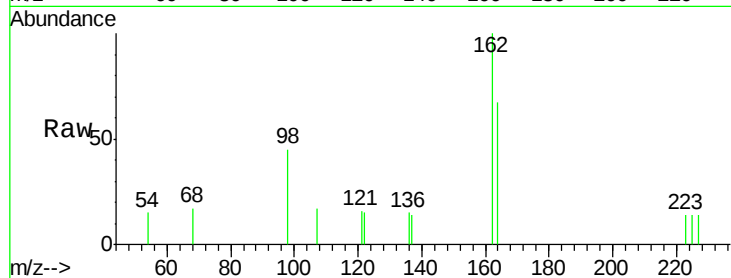




#11
 2,4-Dichlorophenol
 Concen: 0.06 ng
 RT: 11.96 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BE089700.D
 Acq: 26 Feb 2015 21:29

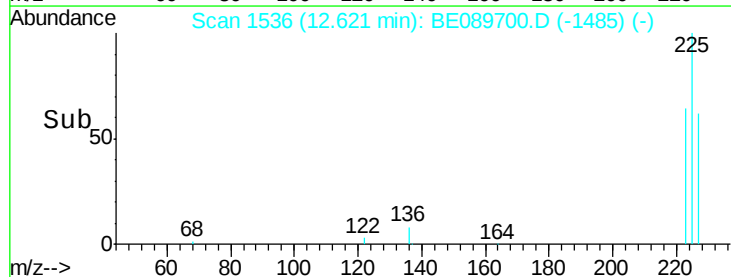
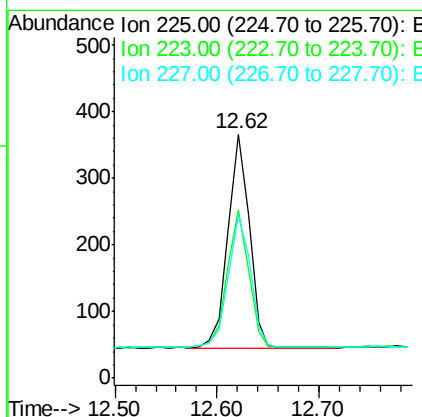
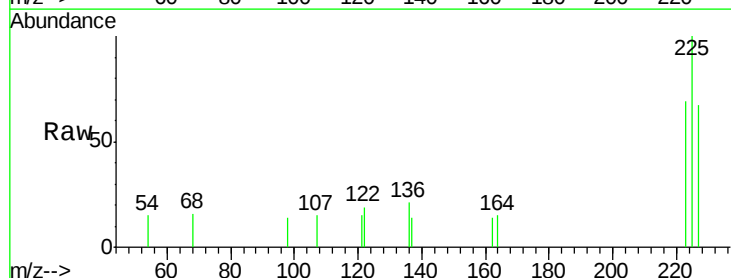
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

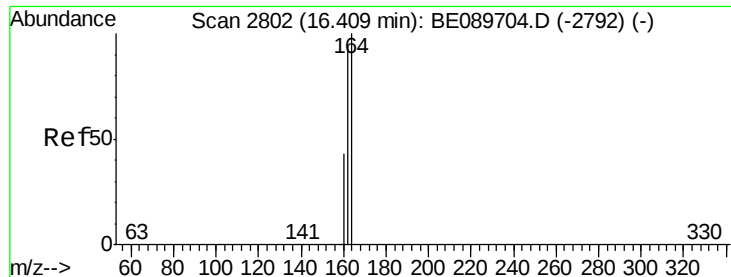
Tgt Ion:162 Resp: 665
 Ion Ratio Lower Upper
 162 100
 164 67.3 43.9 83.9
 98 45.4 15.7 55.7



#12
 Hexachlorobutadiene
 Concen: 0.06 ng
 RT: 12.62 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BE089700.D
 Acq: 26 Feb 2015 21:29

Tgt Ion:225 Resp: 473
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.6 75.8
 227 63.6 50.8 76.2





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.40 min Scan# 2802

Delta R.T. -0.01 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

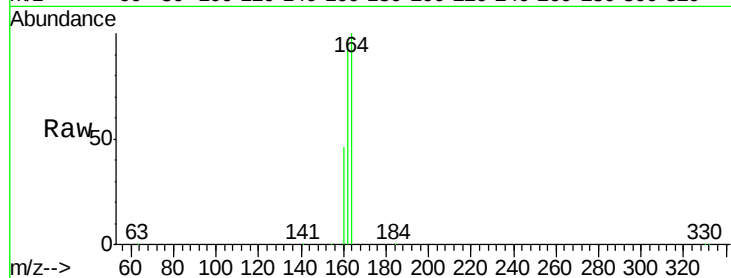
Tgt Ion:164 Resp: 109274

Ion Ratio Lower Upper

164 100

162 97.0 75.0 112.6

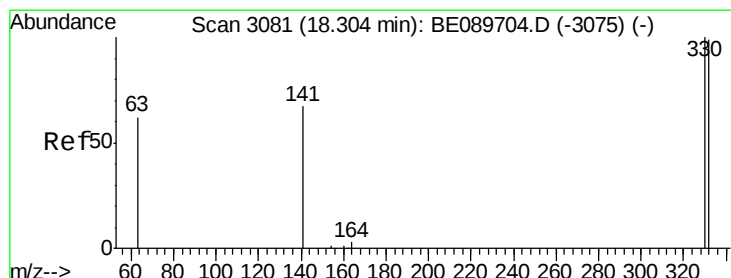
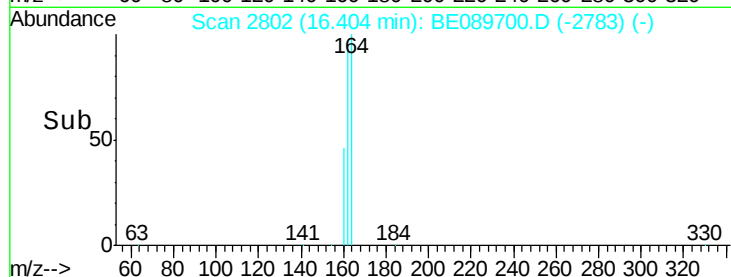
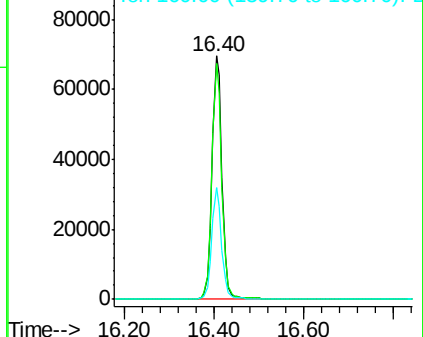
160 45.8 34.3 51.5



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: 0.03 ng

RT: 18.31 min Scan# 3082

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

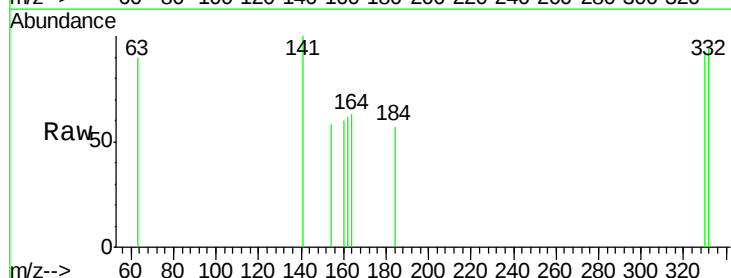
Tgt Ion:330 Resp: 79

Ion Ratio Lower Upper

330 100

332 101.3 0.0 0.0#

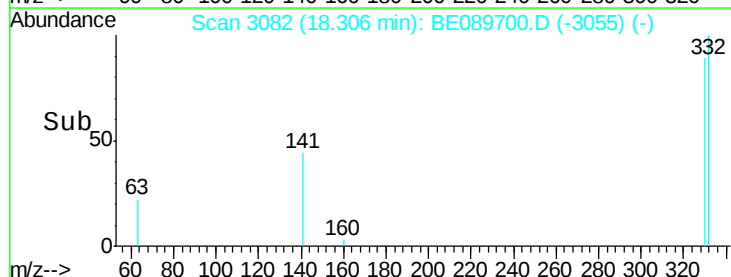
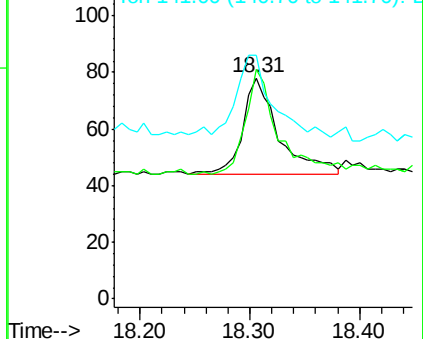
141 83.5 0.0 0.0#

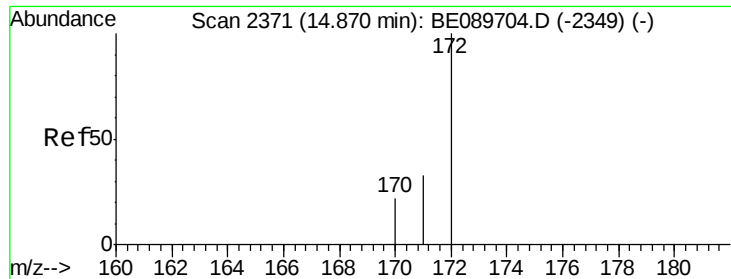


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

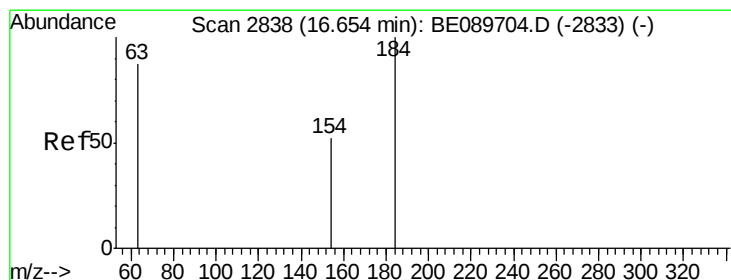
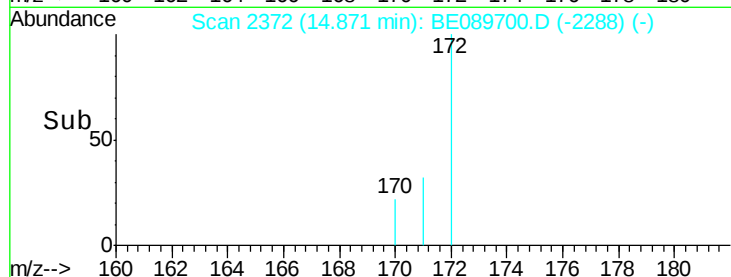
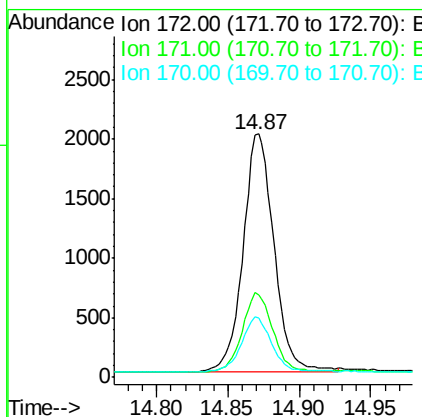
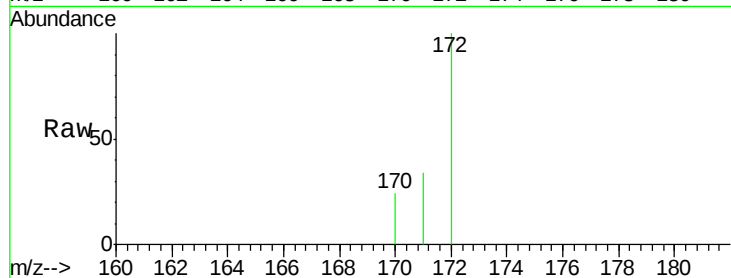




#15
2-Fluorobiphenyl
Concen: 0.09 ng
RT: 14.87 min Scan# 2372
Delta R.T. 0.00 min
Lab File: BE089700.D
Acq: 26 Feb 2015 21:29

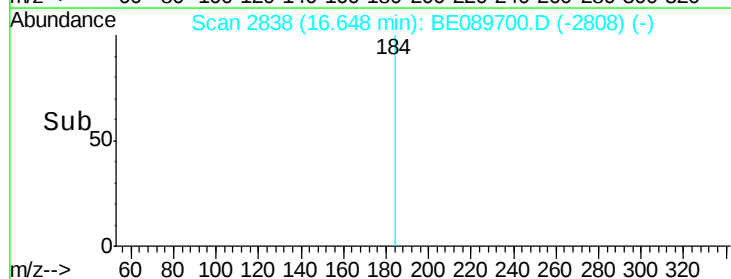
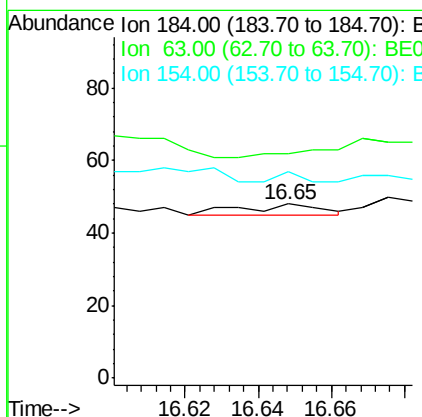
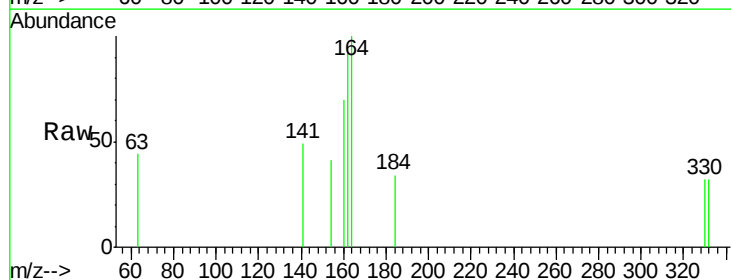
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

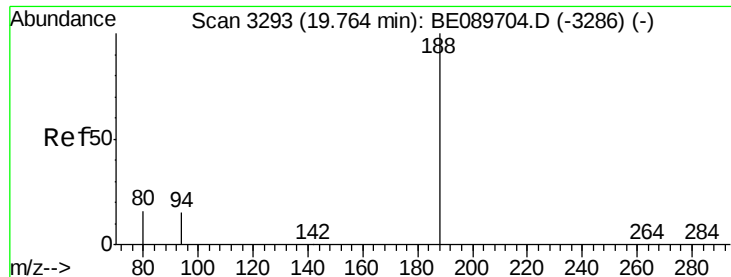
Tgt Ion:172 Resp: 3010
Ion Ratio Lower Upper
172 100
171 34.1 26.8 40.2
170 24.2 18.0 27.0



#16
2,4-Dinitrophenol
Concen: 0.65 ng
RT: 16.65 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BE089700.D
Acq: 26 Feb 2015 21:29

Tgt Ion:184 Resp: 4
Ion Ratio Lower Upper
184 100
63 129.2 82.4 123.6#
154 118.8 61.4 92.2#

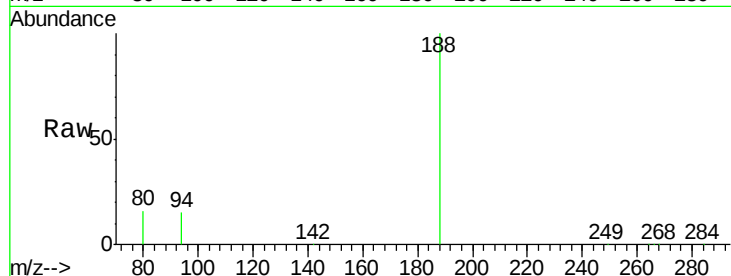




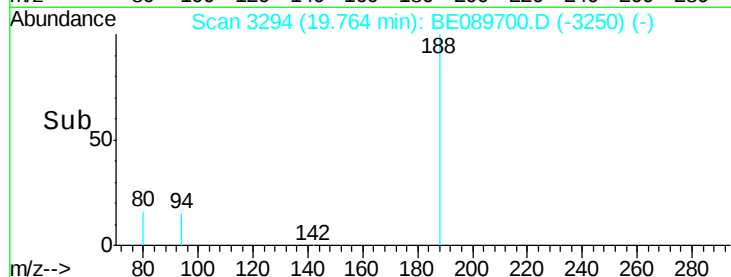
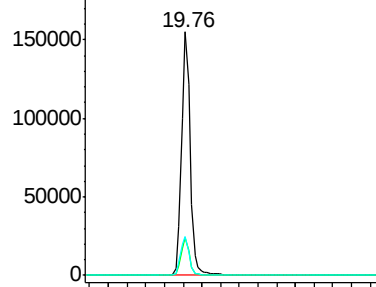
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.76 min Scan# 3294
Delta R.T. -0.00 min
Lab File: BE089700.D
Acq: 26 Feb 2015 21:29

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

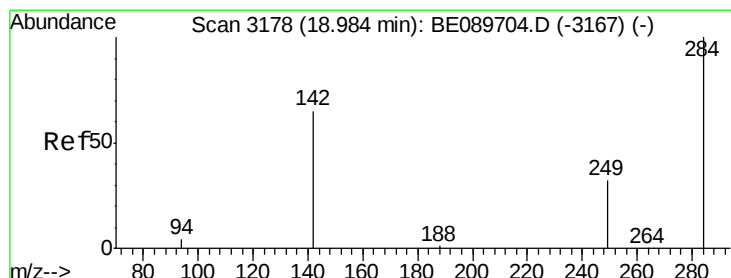
Tgt Ion:188 Resp: 200551
Ion Ratio Lower Upper
188 100
94 15.3 12.1 18.1
80 16.1 12.7 19.1



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

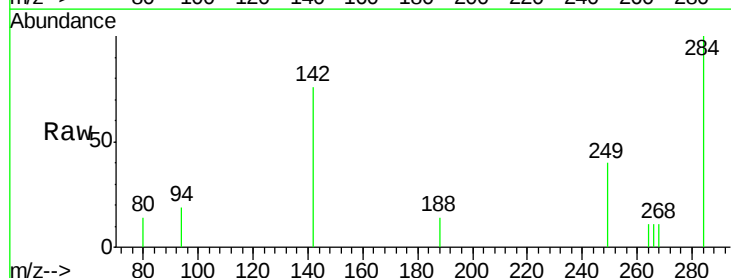


Time-->

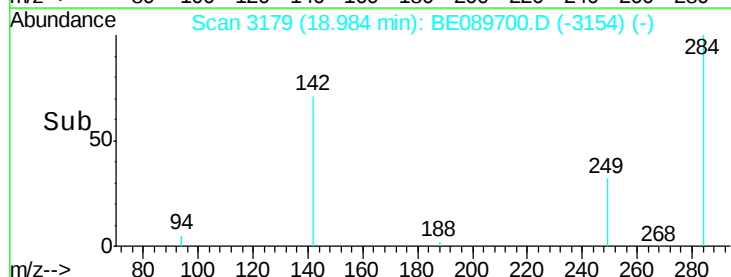
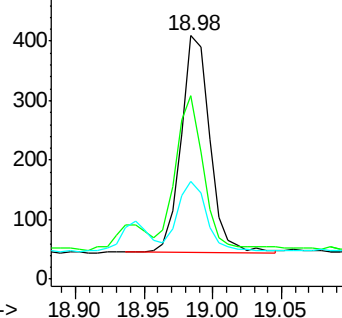


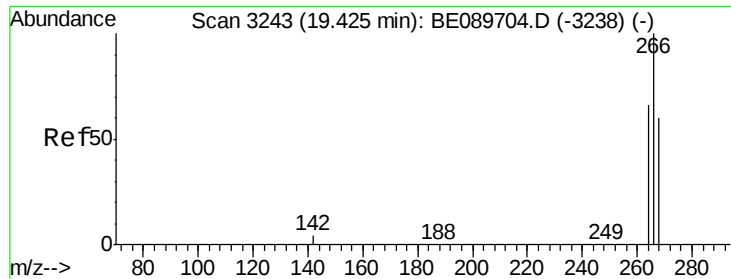
#18
Hexachlorobenzene
Concen: 0.06 ng
RT: 18.98 min Scan# 3179
Delta R.T. -0.00 min
Lab File: BE089700.D
Acq: 26 Feb 2015 21:29

Tgt Ion:284 Resp: 527
Ion Ratio Lower Upper
284 100
142 75.6 52.2 78.4
249 40.3 26.4 39.6#



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

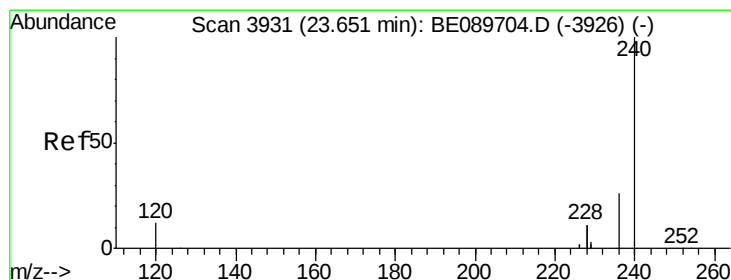
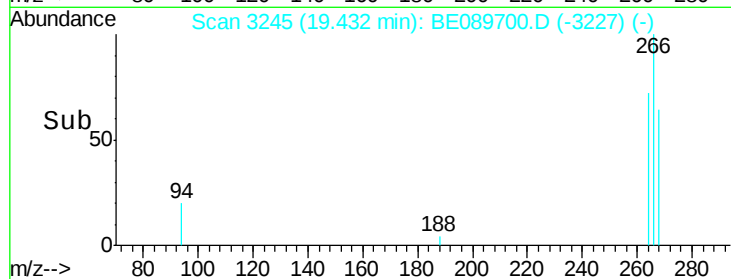
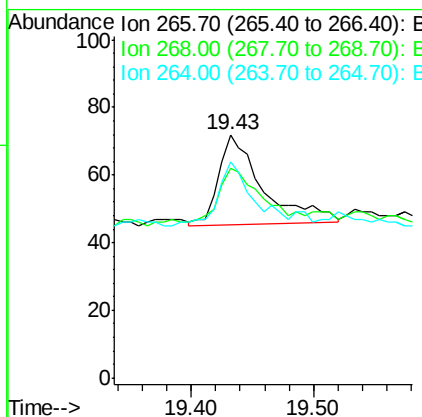
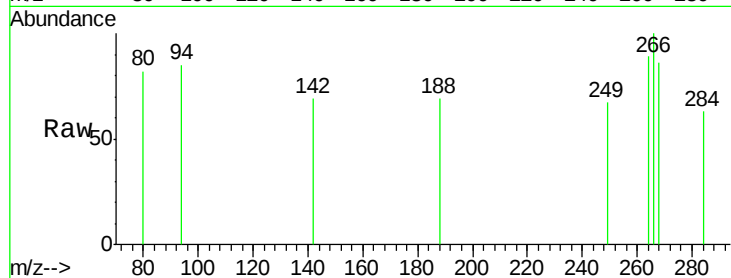




#19
 Pentachlorophenol
 Concen: 0.30 ng
 RT: 19.43 min Scan# 3245
 Delta R.T. 0.01 min
 Lab File: BE089700.D
 Acq: 26 Feb 2015 21:29

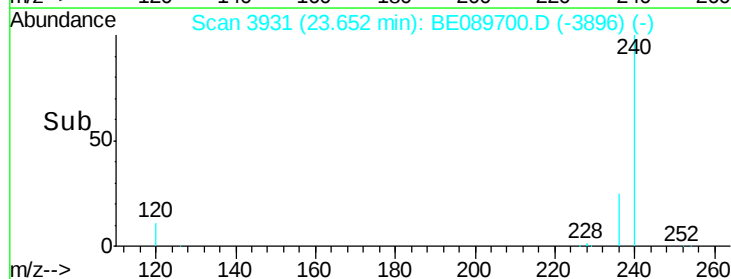
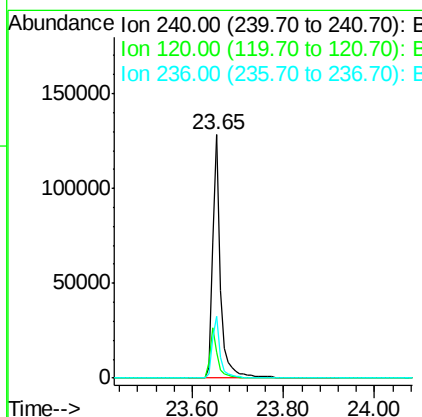
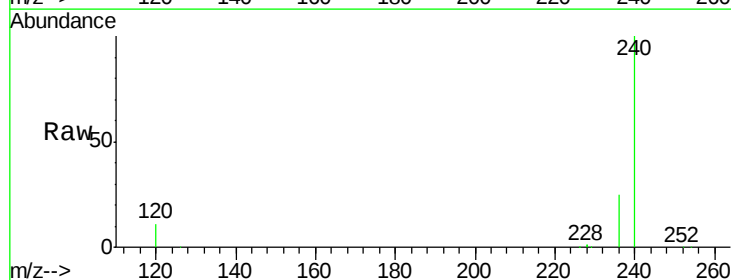
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

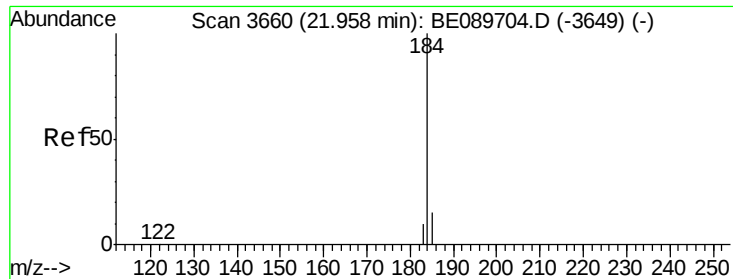
Tgt Ion: 266 Resp: 67
 Ion Ratio Lower Upper
 266 100
 268 86.1 51.4 77.2#
 264 88.9 55.8 83.8#



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.65 min Scan# 3931
 Delta R.T. 0.00 min
 Lab File: BE089700.D
 Acq: 26 Feb 2015 21:29

Tgt Ion: 240 Resp: 154810
 Ion Ratio Lower Upper
 240 100
 120 10.6 9.9 14.9
 236 25.5 21.0 31.6





#21

Benzidine

Concen: 0.10 ng

RT: 21.96 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

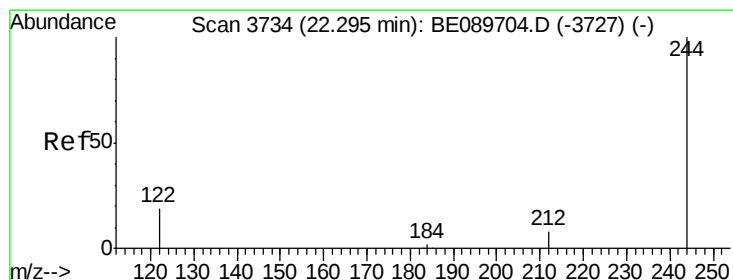
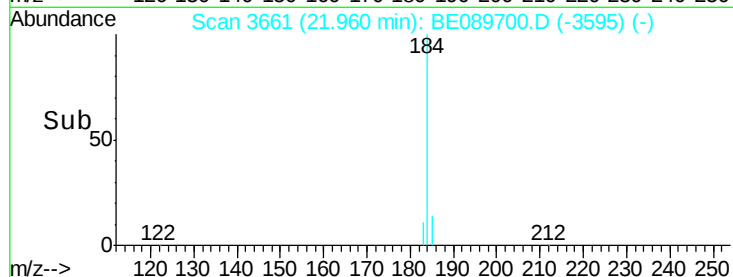
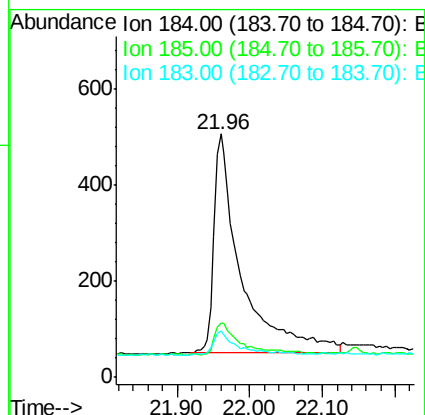
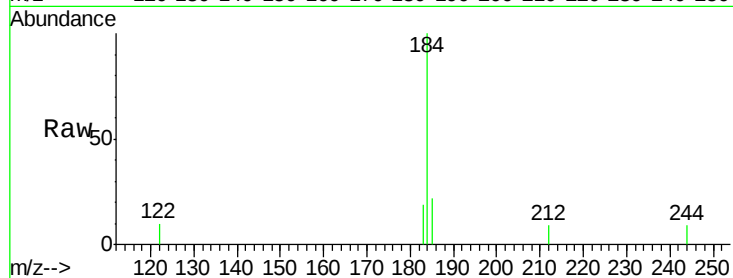
Tgt Ion:184 Resp: 1183

Ion Ratio Lower Upper

184 100

185 22.1 12.8 19.2#

183 18.9 8.8 13.2#



#22

Terphenyl-d14

Concen: 0.11 ng

RT: 22.30 min Scan# 3735

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

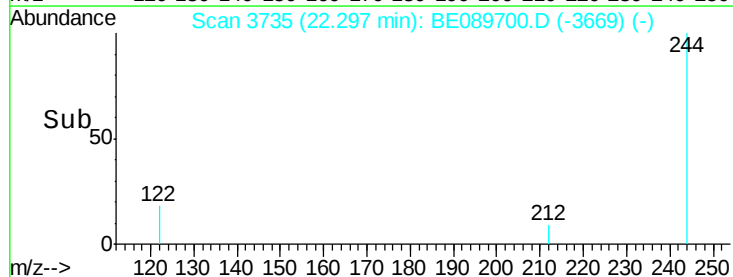
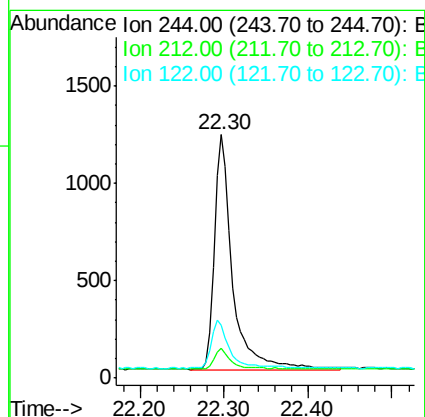
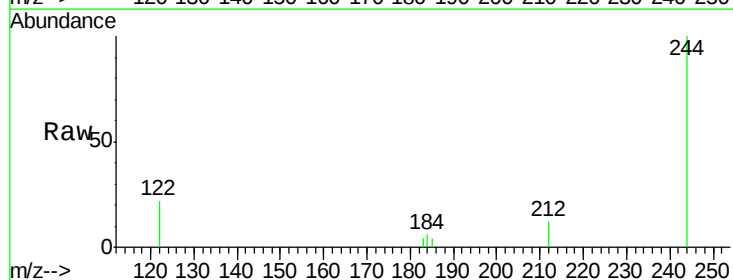
Tgt Ion:244 Resp: 1797

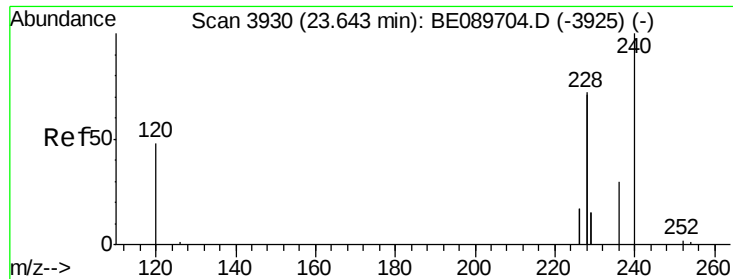
Ion Ratio Lower Upper

244 100

212 12.2 6.7 10.1#

122 21.7 15.7 23.5





#23

Benzo(a)anthracene

Concen: 0.08 ng

RT: 23.64 min Scan# 3930

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1

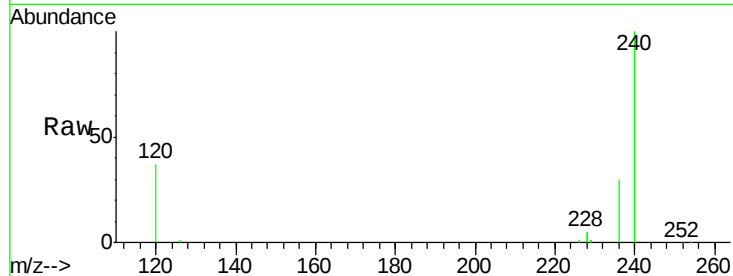
Tgt Ion:228 Resp: 10761

Ion Ratio Lower Upper

228 100

226 23.4 19.3 28.9

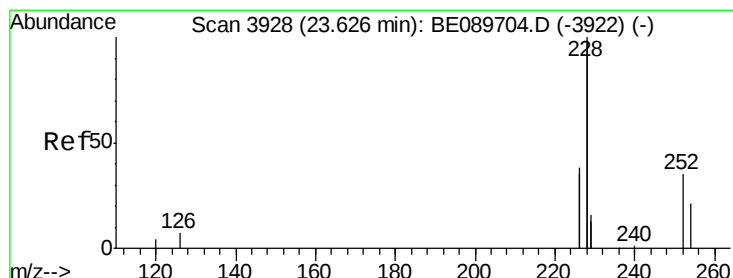
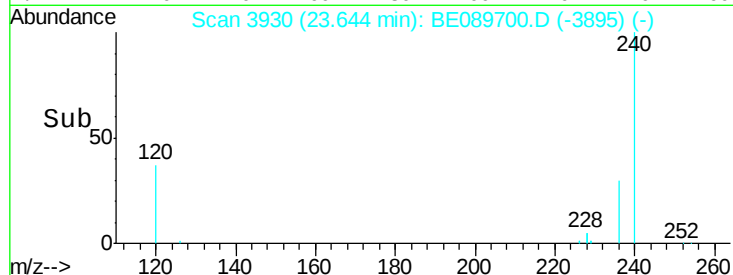
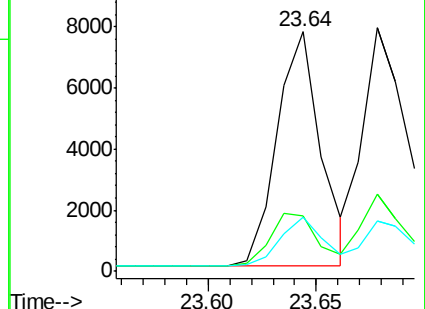
229 22.8 16.6 25.0



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: 0.38 ng

RT: 23.63 min Scan# 3928

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

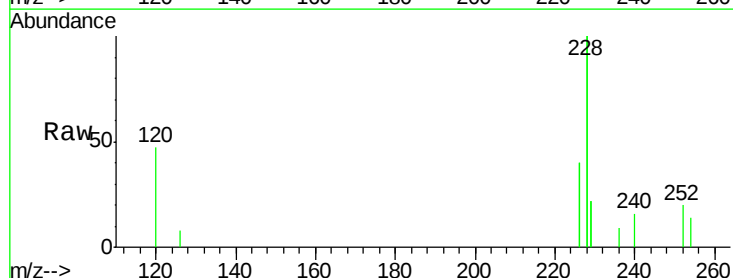
Tgt Ion:252 Resp: 345

Ion Ratio Lower Upper

252 100

254 68.8 49.4 74.2

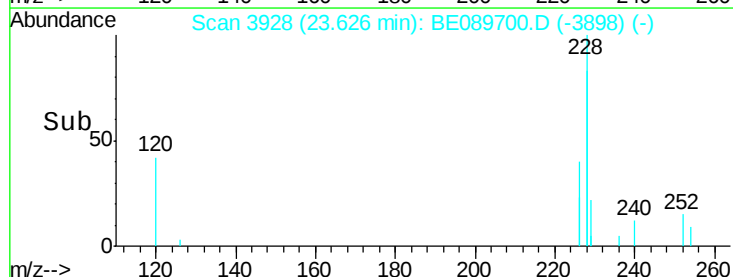
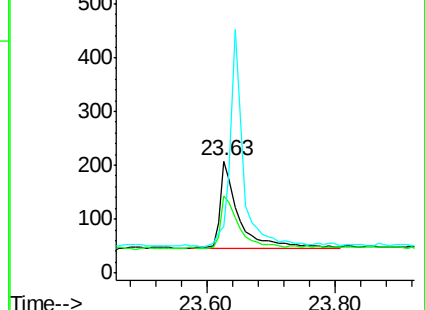
126 40.9 17.4 26.2#

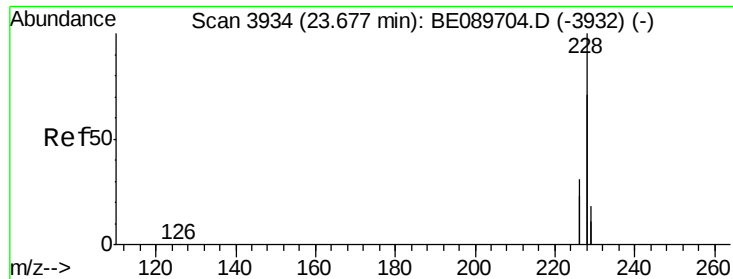


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.09 ng

RT: 23.68 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

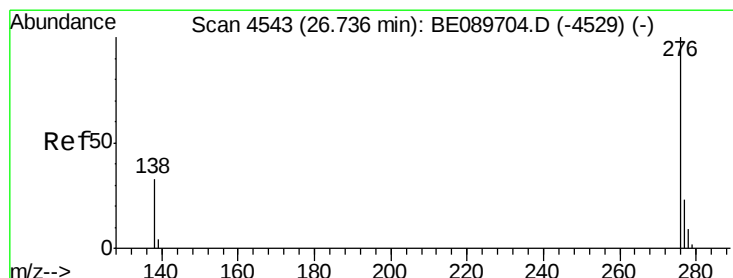
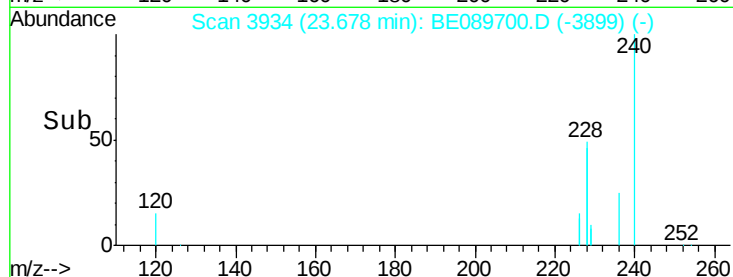
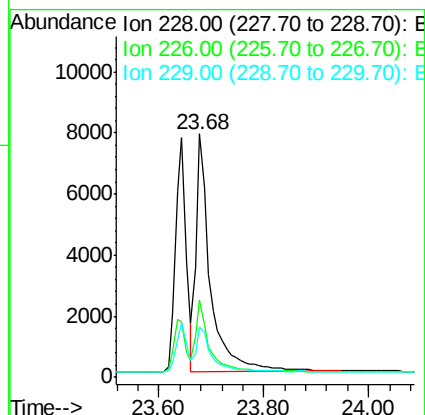
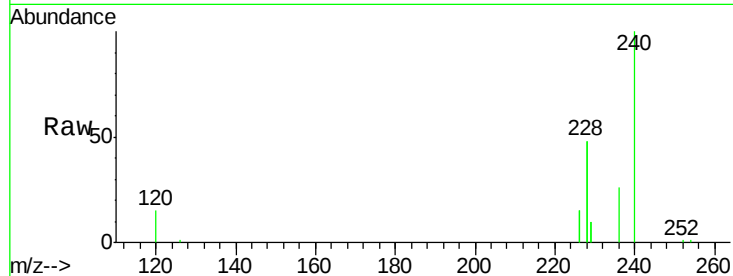
Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

Tgt Ion:	228	Resp:	14737
Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.7	37.1
229	20.8	14.4	21.6



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.21 ng

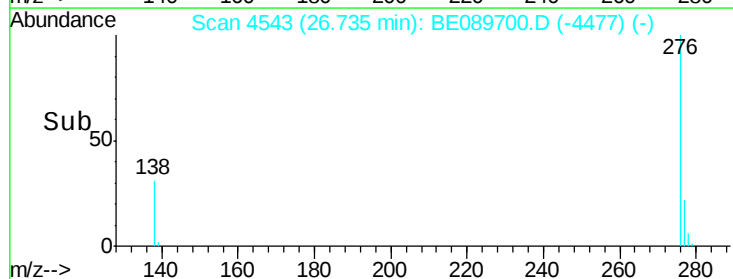
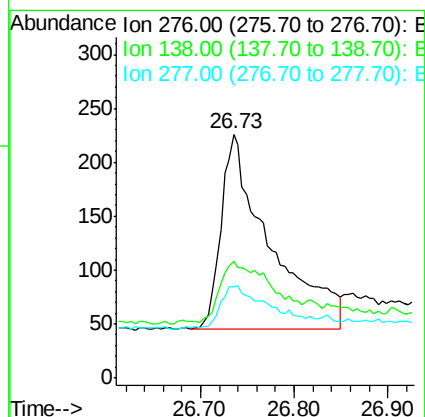
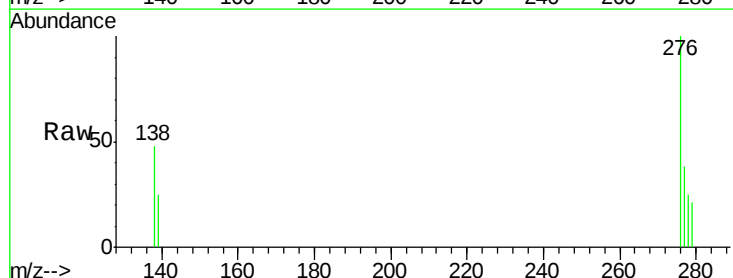
RT: 26.73 min Scan# 4543

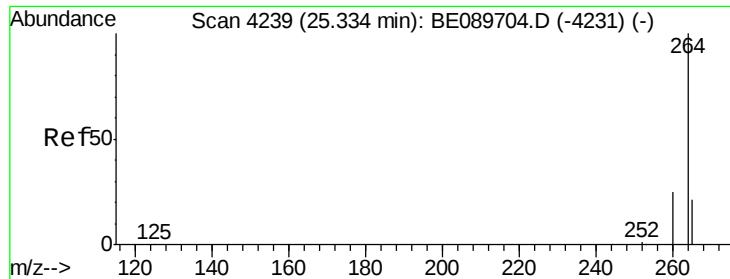
Delta R.T. -0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

Tgt Ion:	276	Resp:	660
Ion	Ratio	Lower	Upper
276	100		
138	33.3	29.8	44.6
277	22.0	19.8	29.6

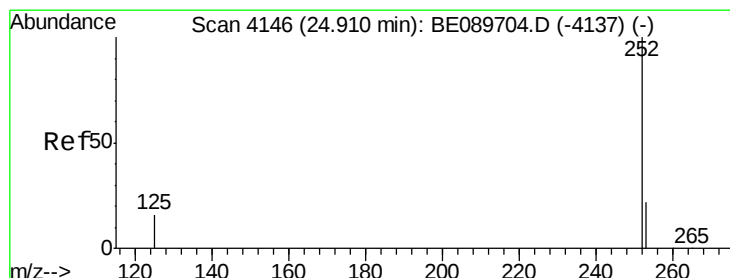
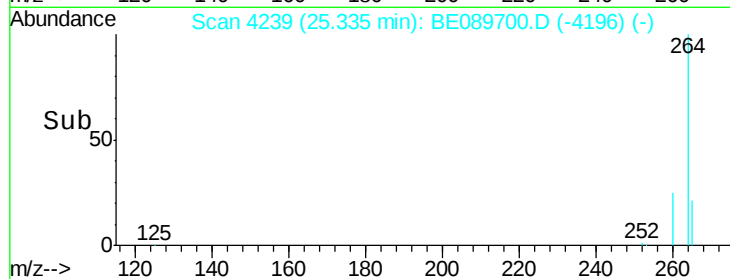
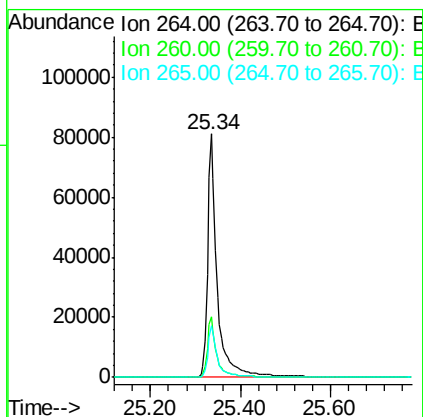
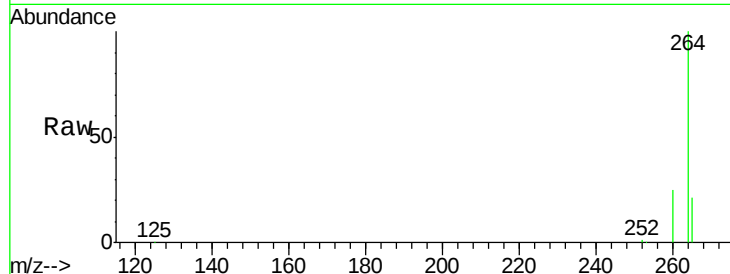




#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4239
 Delta R.T. 0.00 min
 Lab File: BE089700.D
 Acq: 26 Feb 2015 21:29

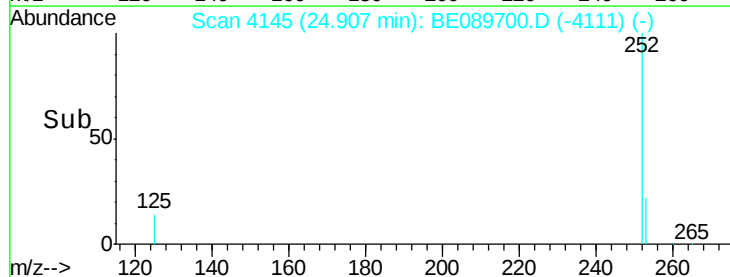
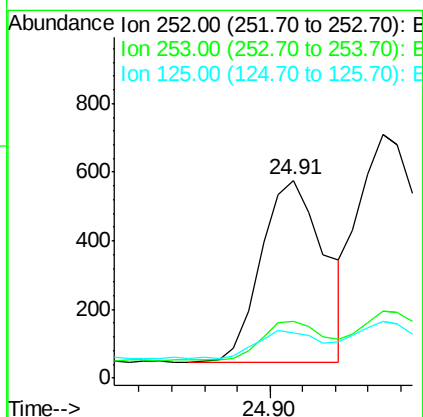
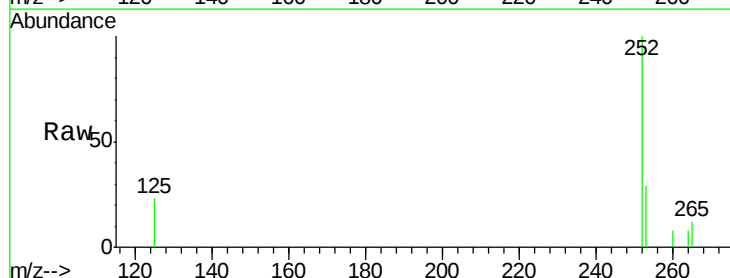
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

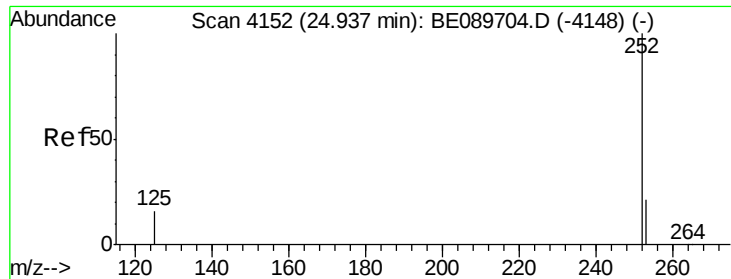
Tgt Ion: 264 Resp: 120606
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.2 30.2
 265 21.5 16.9 25.3



#28
 Benzo(b)fluoranthene
 Concen: 0.27 ng
 RT: 24.91 min Scan# 4145
 Delta R.T. -0.00 min
 Lab File: BE089700.D
 Acq: 26 Feb 2015 21:29

Tgt Ion: 252 Resp: 711
 Ion Ratio Lower Upper
 252 100
 253 28.6 17.8 26.6#
 125 23.1 12.9 19.3#





#29

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 24.93 min Scan# 4151

Delta R.T. -0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

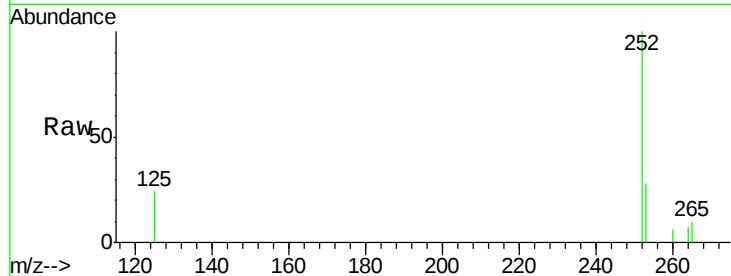
Tgt Ion:252 Resp: 1471

Ion Ratio Lower Upper

252 100

253 27.6 17.3 25.9#

125 23.6 12.9 19.3#



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

24.93

600

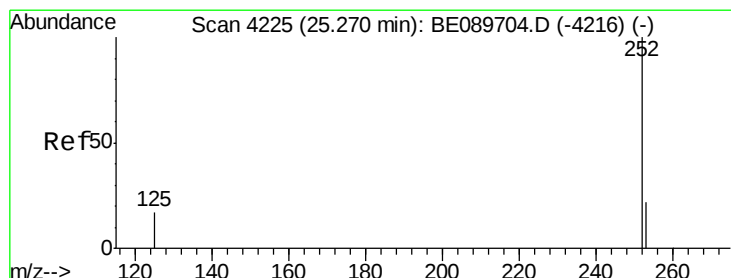
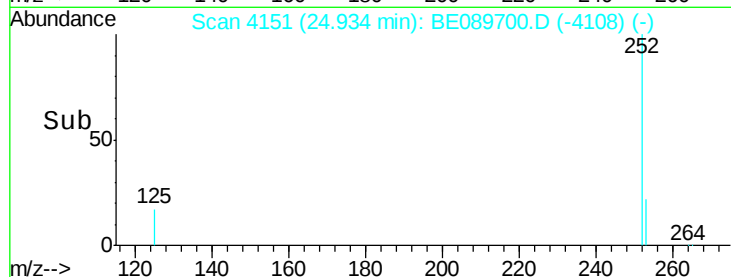
400

200

0

24.90 25.00 25.10

Time-->



#30

Benzo(a)pyrene

Concen: 0.37 ng

RT: 25.27 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BE089700.D

Acq: 26 Feb 2015 21:29

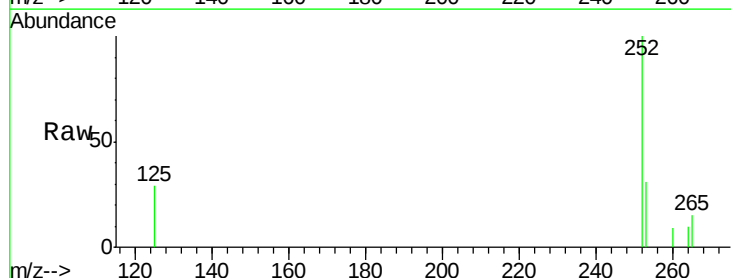
Tgt Ion:252 Resp: 738

Ion Ratio Lower Upper

252 100

253 30.8 17.9 26.9#

125 28.9 14.0 21.0#



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

25.27

1000

800

600

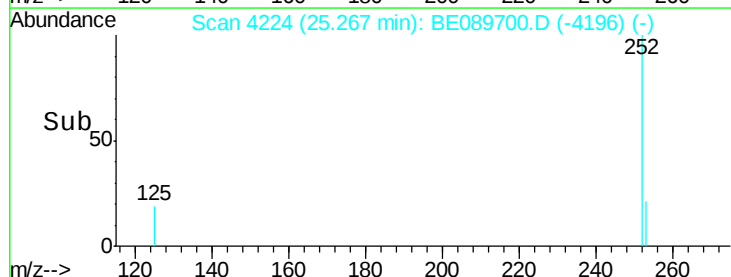
400

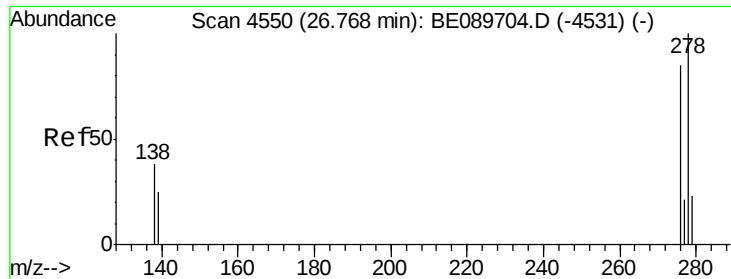
200

0

25.20 25.25 25.30

Time-->





#31

Dibenzo(a,h)anthracene

Concen: 0.40 ng

RT: 26.76 min Scan# 4549

Delta R.T. -0.01 min

Lab File: BE089700.D

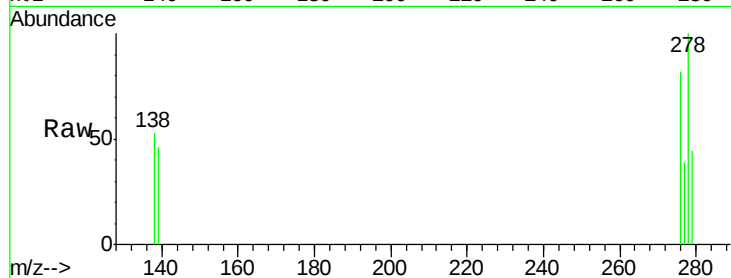
Acq: 26 Feb 2015 21:29

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1



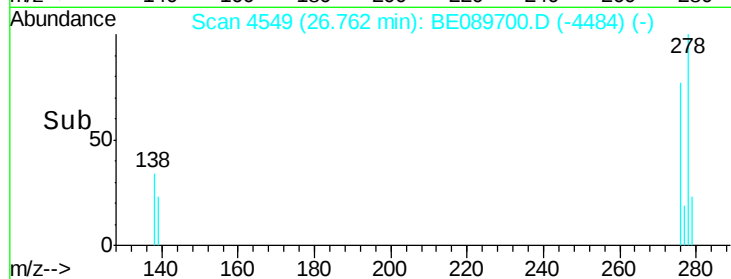
Tgt Ion: 278 Resp: 442

Ion Ratio Lower Upper

278 100

139 46.1 21.1 31.7#

279 43.9 19.3 28.9#



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

