

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089703.D
 Acq On : 26 Feb 2015 23:26
 Operator : TP/JJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Quant Time: Feb 27 04:57:18 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	57340	5.00	ng	0.00
7) Naphthalene-d8	12.23	136	243752	5.00	ng	0.00
13) Acenaphthene-d10	16.41	164	110284	5.00	ng	0.00
17) Phenanthrene-d10	19.76	188	200863	5.00	ng	0.00
20) Chrysene-d12	23.65	240	161364	5.00	ng	0.00
27) Perylene-d12	25.33	264	126012	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.49	112	11144	0.64	ng	0.00
4) Phenol-d6	8.61	99	15035	0.69	ng	0.00
8) Nitrobenzene-d5	10.60	82	11006	0.66	ng	0.00
14) 2,4,6-Tribromophenol	18.30	330	734	0.32	ng	0.00
15) 2-Fluorobiphenyl	14.87	172	22201	0.68	ng	0.00
22) Terphenyl-d14	22.30	244	16630	0.94	ng	0.00

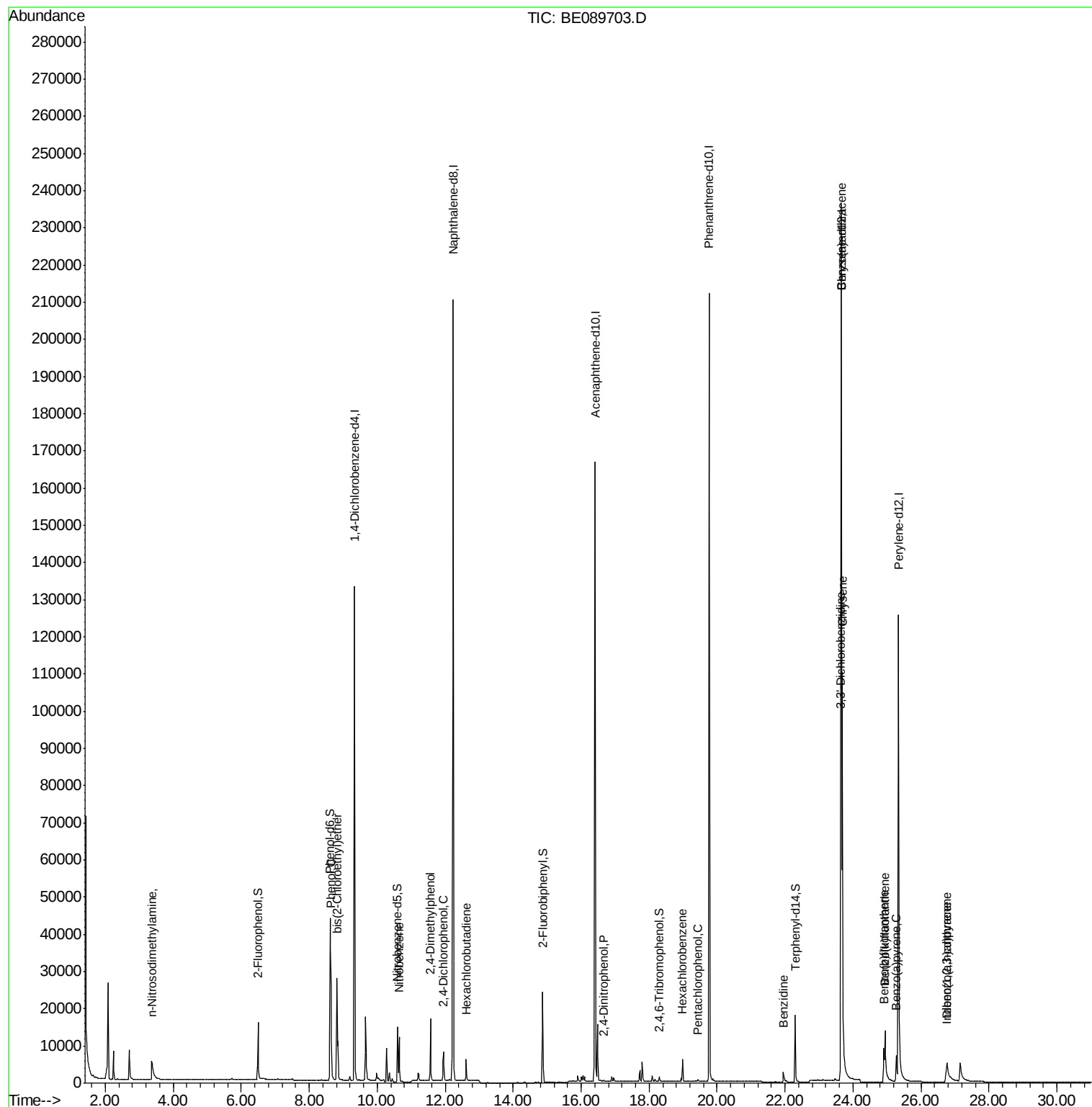
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.37	42	5941	0.64	ng	# 96
5) Phenol	8.64	94	16584	0.72	ng	# 57
6) bis(2-Chloroethyl)ether	8.82	93	13169	0.76	ng	# 97
9) Nitrobenzene	10.64	77	11627	0.62	ng	100
10) 2,4-Dimethylphenol	11.57	122	8833	0.61	ng	98
11) 2,4-Dichlorophenol	11.95	162	6379	0.58	ng	99
12) Hexachlorobutadiene	12.62	225	3722	0.48	ng	100
16) 2,4-Dinitrophenol	16.65	184	195	0.80	ng	93
18) Hexachlorobenzene	18.98	284	4176	0.48	ng	92
19) Pentachlorophenol	19.43	266	456	0.49	ng	95
21) Benzidine	21.95	184	4277	0.34	ng	98
23) Benzo(a)anthracene	23.64	228	88150	0.61	ng	99
24) 3,3'-Dichlorobenzidine	23.63	252	3714	0.56	ng	98
25) Chrysene	23.68	228	114991	0.65	ng	99
26) Indeno(1,2,3-cd)pyrene	26.74	276	11808	0.48	ng	# 48
28) Benzo(b)fluoranthene	24.91	252	8588	0.61	ng	99
29) Benzo(k)fluoranthene	24.94	252	25394	0.72	ng	99
30) Benzo(a)pyrene	25.27	252	9994	0.67	ng	99
31) Dibenzo(a,h)anthracene	26.77	278	8365	0.63	ng	95

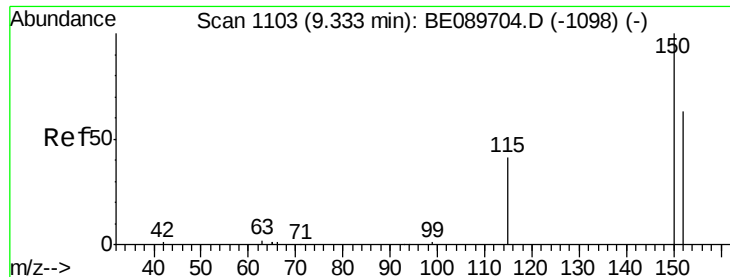
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

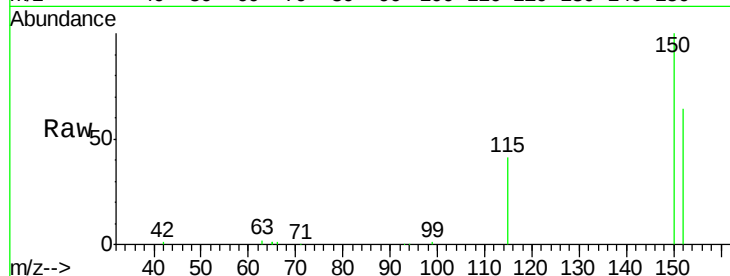
Tgt Ion:152 Resp: 57340

Ion Ratio Lower Upper

152 100

150 156.0 127.3 190.9

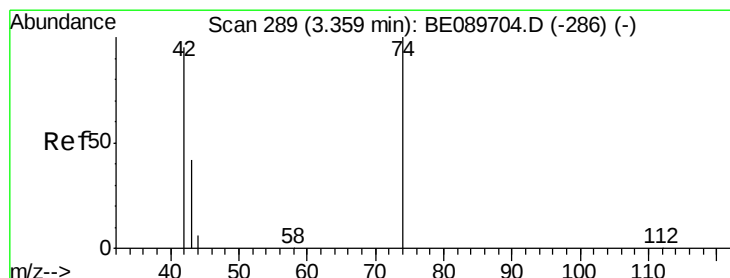
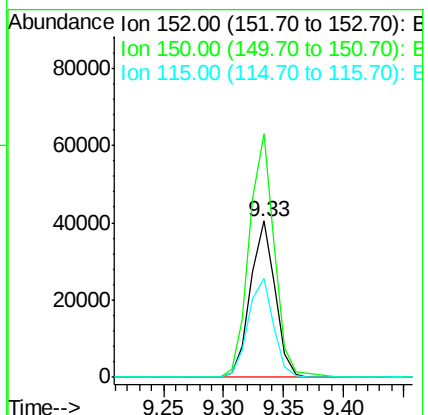
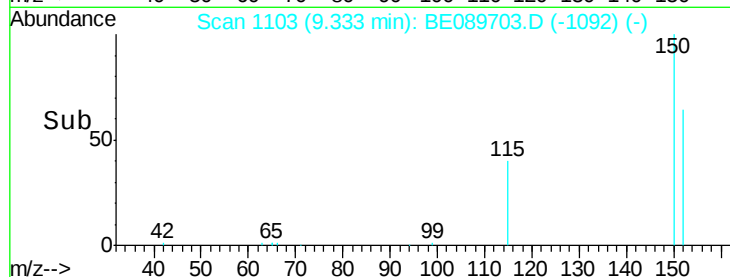
115 63.2 52.0 78.0



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: 0.64 ng

RT: 3.37 min Scan# 290

Delta R.T. 0.01 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

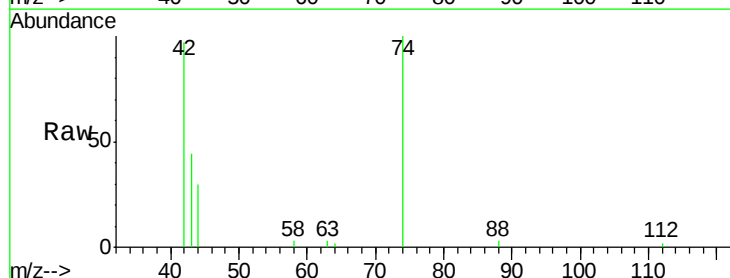
Tgt Ion: 42 Resp: 5941

Ion Ratio Lower Upper

42 100

74 103.4 83.8 125.8

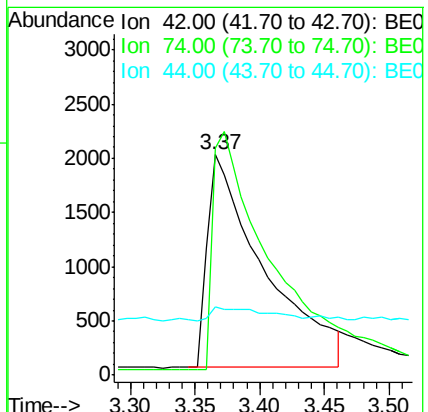
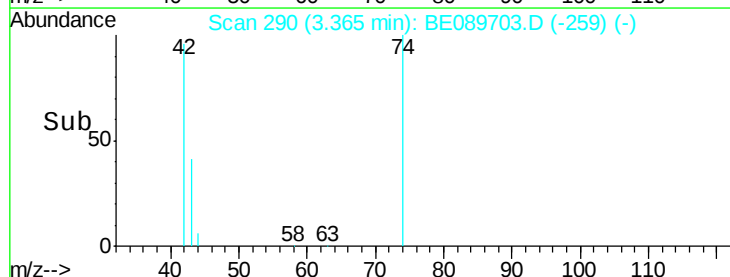
44 30.7 19.0 28.6#

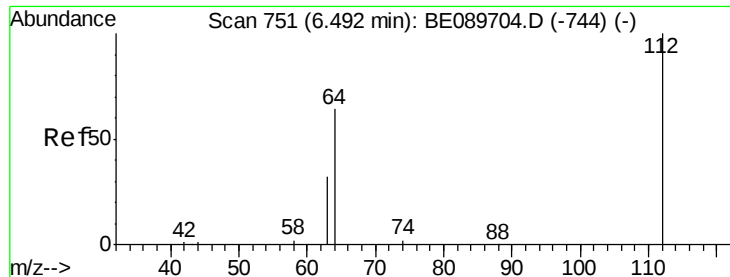


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

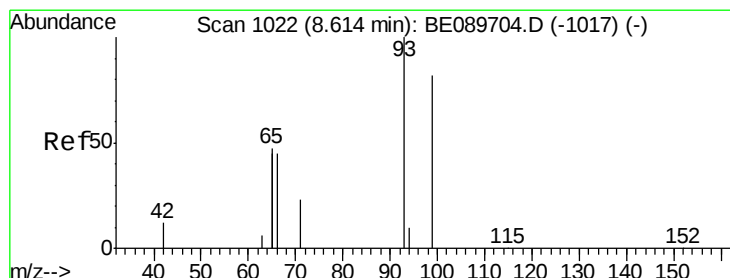
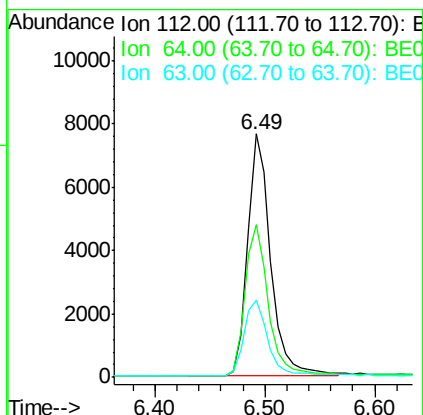
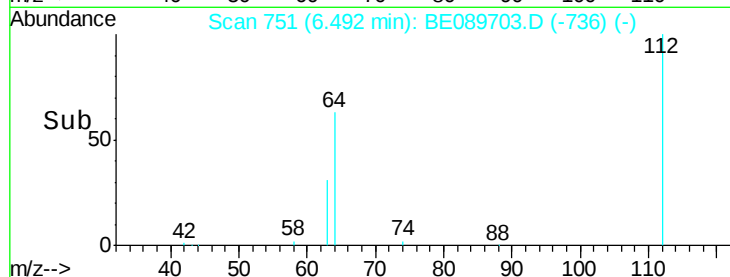
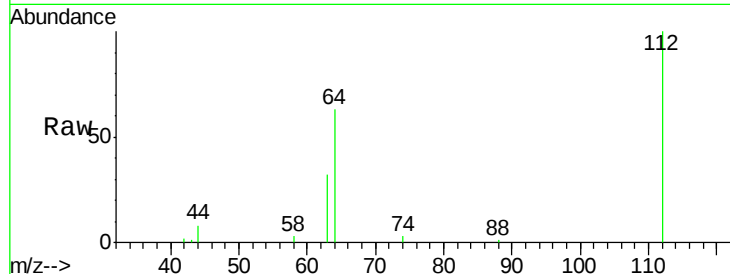




#3
 2-Fluorophenol
 Concen: 0.64 ng
 RT: 6.49 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BE089703.D
 Acq: 26 Feb 2015 23:26

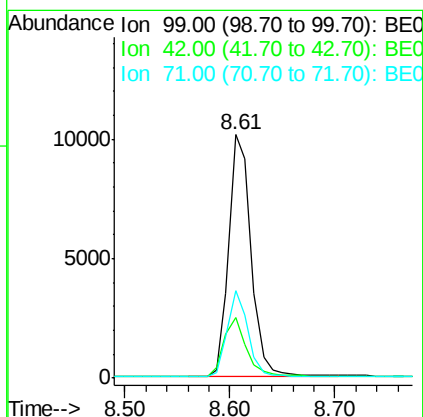
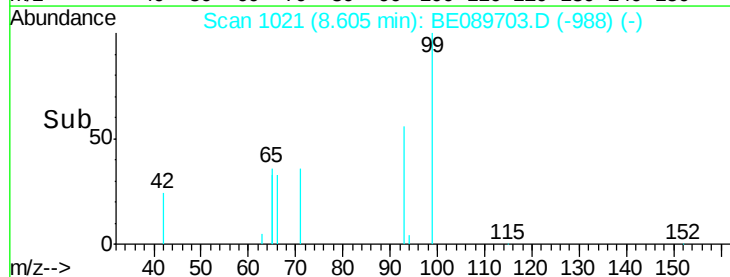
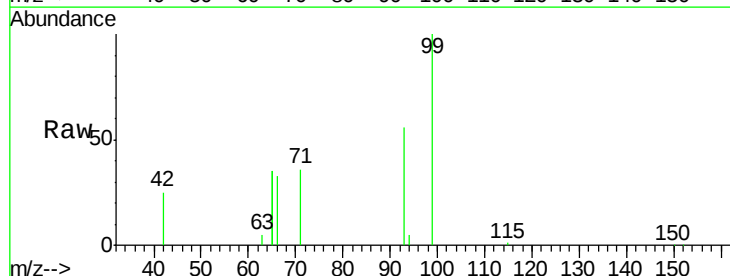
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

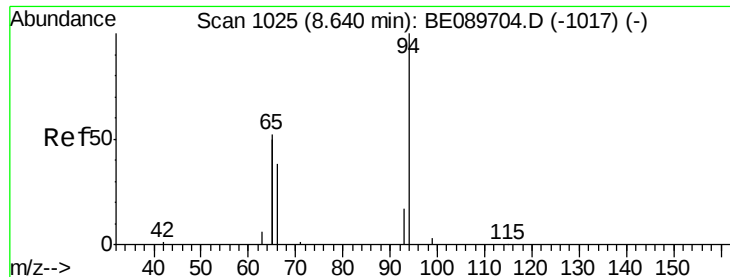
Tgt Ion:	112	Resp:	11144
Ion	Ratio	Lower	Upper
112	100		
64	62.8	51.3	76.9
63	31.8	26.2	39.2



#4
 Phenol-d6
 Concen: 0.69 ng
 RT: 8.61 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BE089703.D
 Acq: 26 Feb 2015 23:26

Tgt Ion:	99	Resp:	15035
Ion	Ratio	Lower	Upper
99	100		
42	24.7	12.3	18.5#
71	36.0	22.9	34.3#





#5

Phenol

Concen: 0.72 ng

RT: 8.64 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

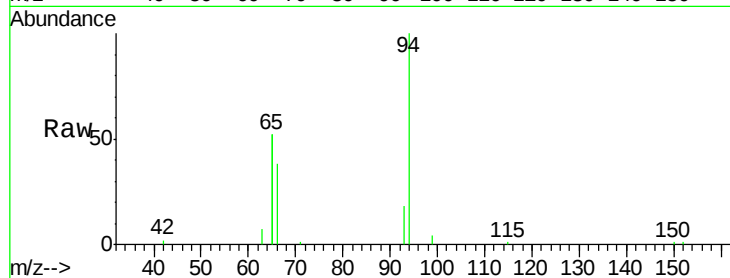
Tgt Ion: 94 Resp: 16584

Ion Ratio Lower Upper

94 100

65 103.2 31.7 71.7#

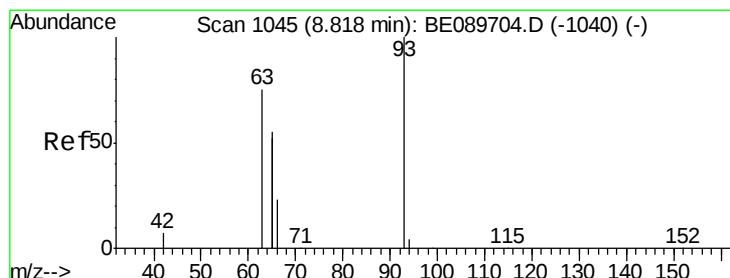
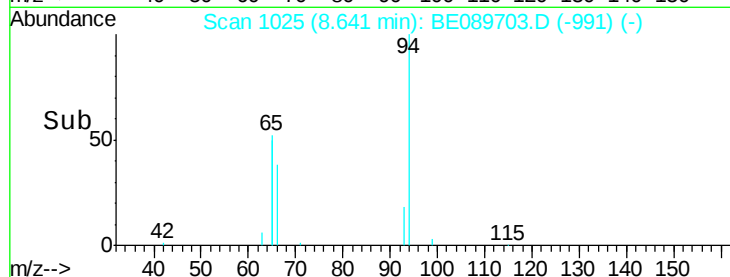
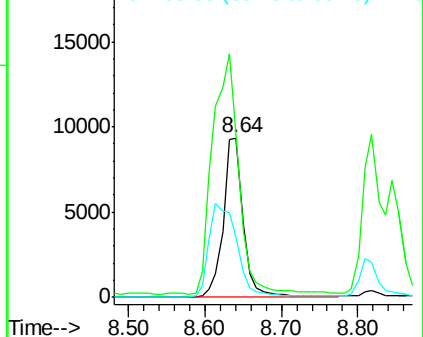
66 38.0 17.9 57.9



Abundance Ion 94.00 (93.70 to 94.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Ion 66.00 (65.70 to 66.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.76 ng

RT: 8.82 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

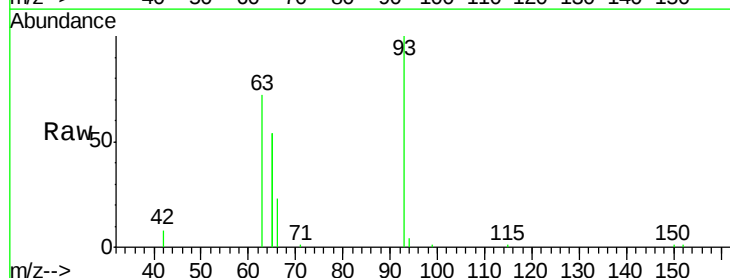
Tgt Ion: 93 Resp: 13169

Ion Ratio Lower Upper

93 100

63 101.6 83.8 125.8

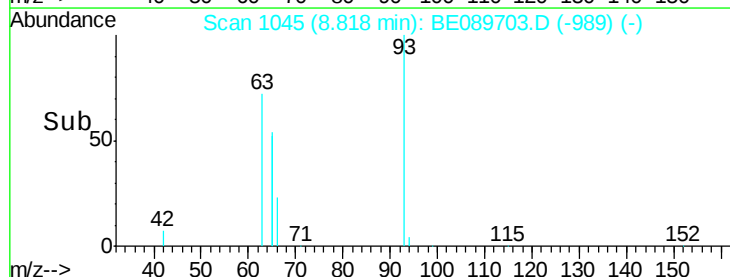
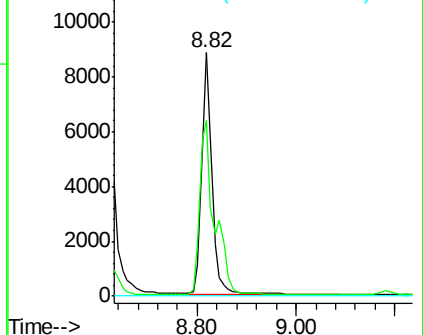
95 0.0 0.0 0.0

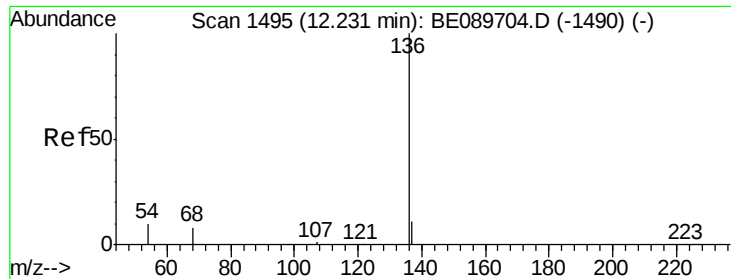


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.23 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

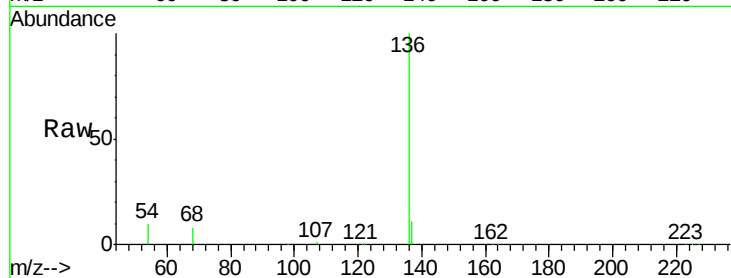
Tgt Ion: 136 Resp: 243752

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

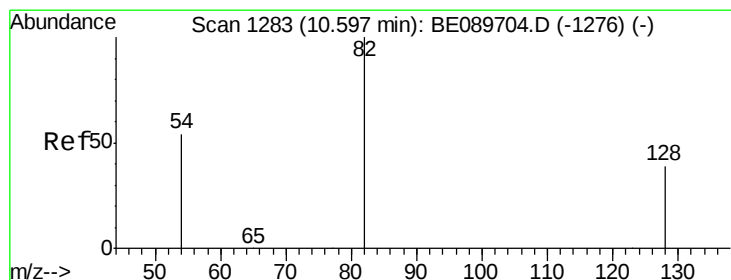
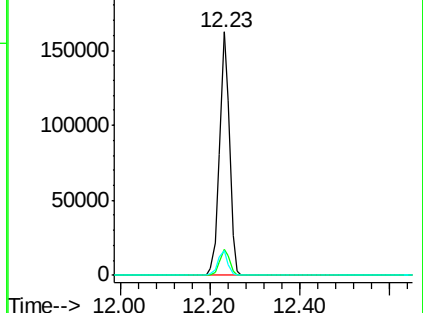
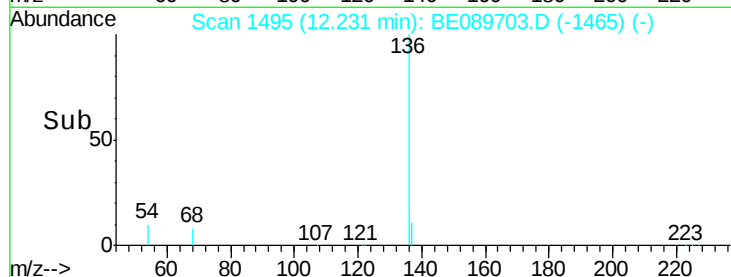
54 10.0 8.1 12.1



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: 0.66 ng

RT: 10.60 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

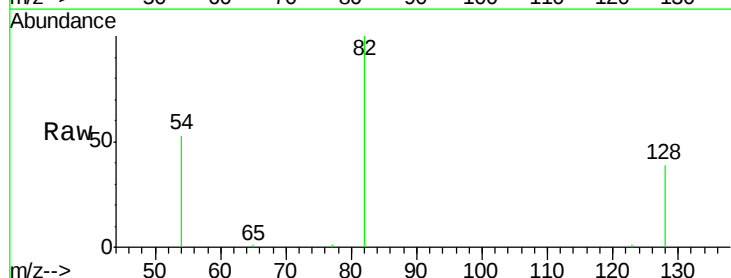
Tgt Ion: 82 Resp: 11006

Ion Ratio Lower Upper

82 100

128 38.7 31.4 47.2

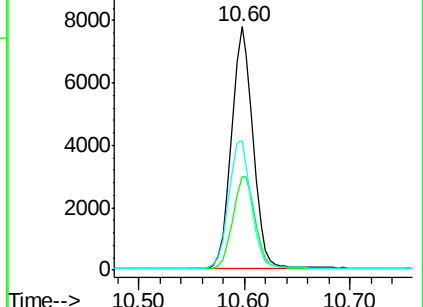
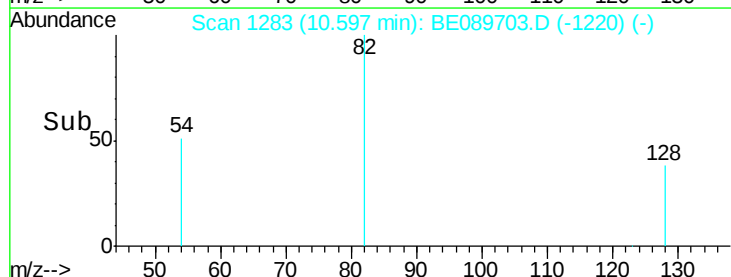
54 53.3 43.8 65.8

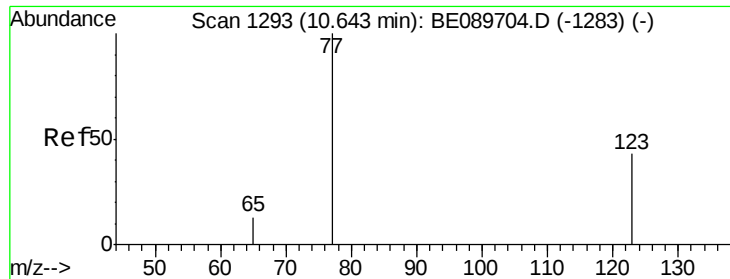


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.62 ng

RT: 10.64 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

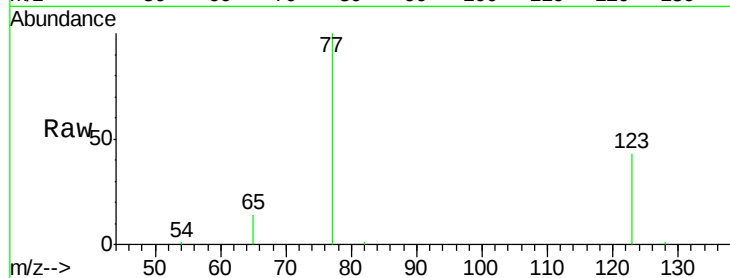
Tgt Ion: 77 Resp: 11627

Ion Ratio Lower Upper

77 100

123 41.4 33.2 49.8

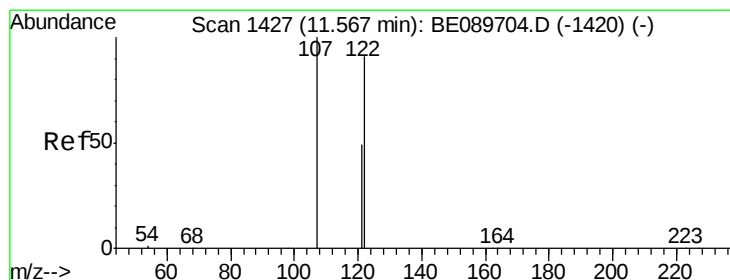
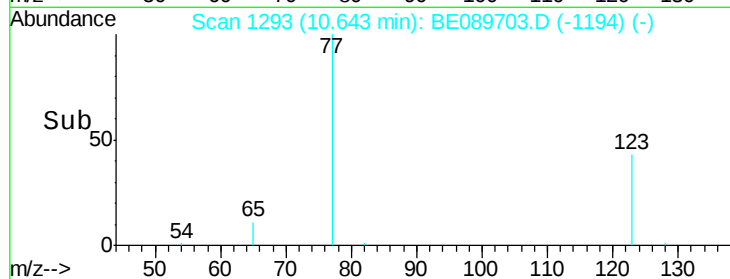
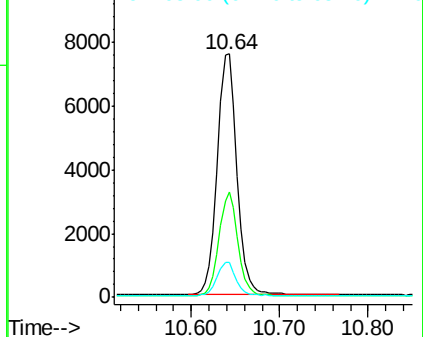
65 13.4 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BE089703.D (-1194) (-)

Ion 123.00 (122.70 to 123.70): BE089703.D (-1194) (-)

Ion 65.00 (64.70 to 65.70): BE089703.D (-1194) (-)



#10

2,4-Dimethylphenol

Concen: 0.61 ng

RT: 11.57 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

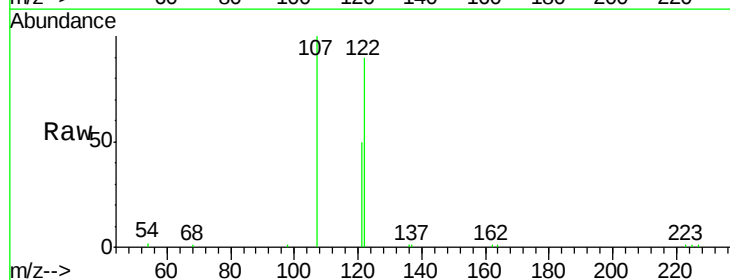
Tgt Ion: 122 Resp: 8833

Ion Ratio Lower Upper

122 100

107 111.3 87.6 131.4

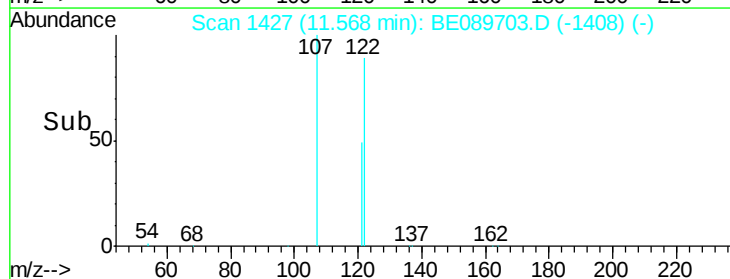
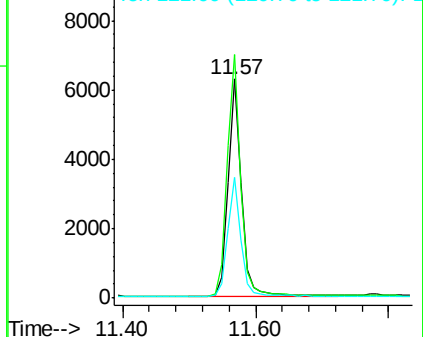
121 55.2 43.4 65.2

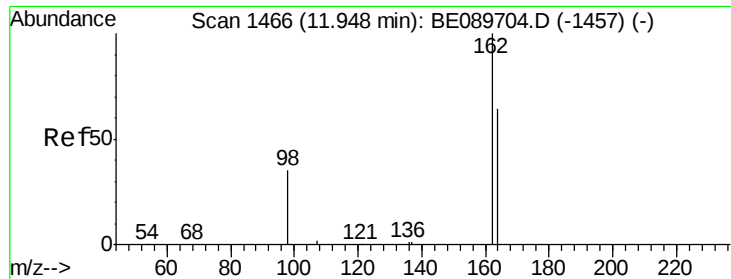


Abundance Ion 122.00 (121.70 to 122.70): BE089703.D (-1408) (-)

Ion 107.00 (106.70 to 107.70): BE089703.D (-1408) (-)

Ion 121.00 (120.70 to 121.70): BE089703.D (-1408) (-)

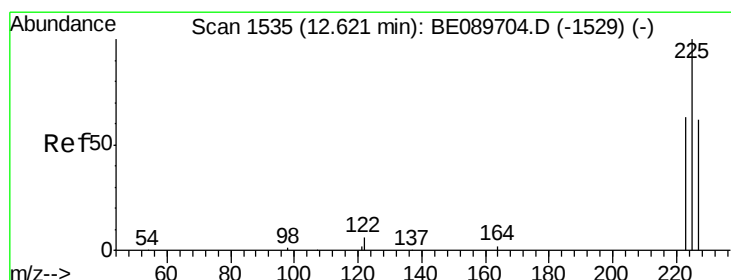
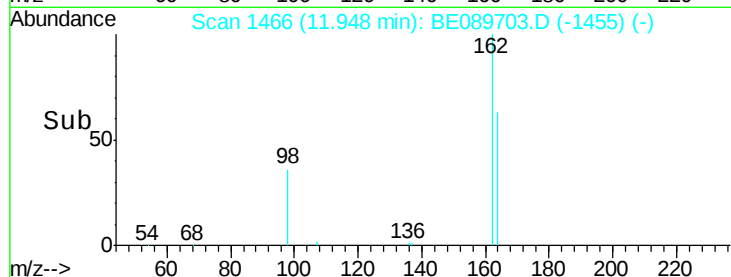
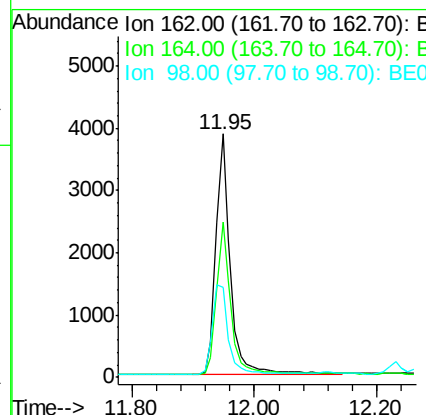
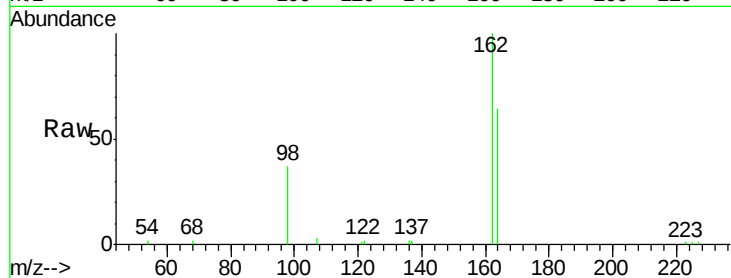




#11
2,4-Dichlorophenol
Concen: 0.58 ng
RT: 11.95 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BE089703.D
Acq: 26 Feb 2015 23:26

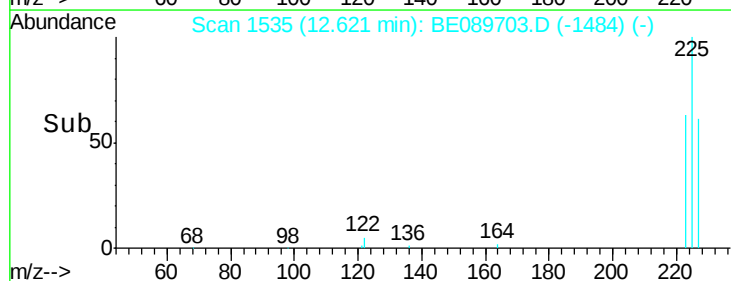
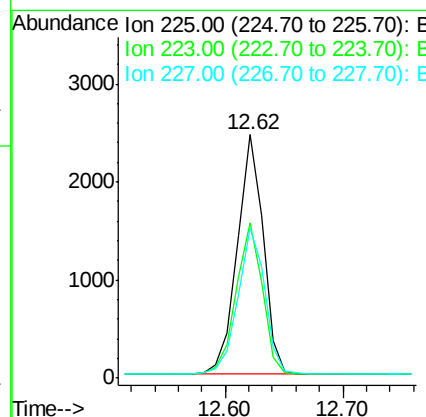
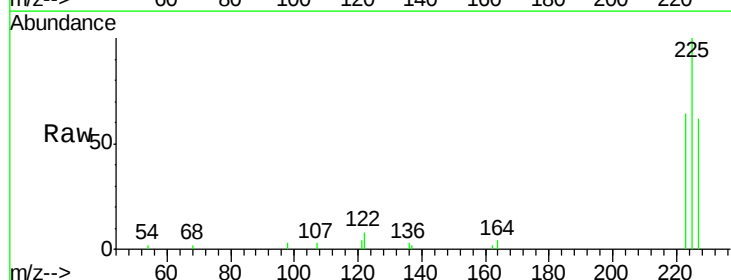
Instrument :
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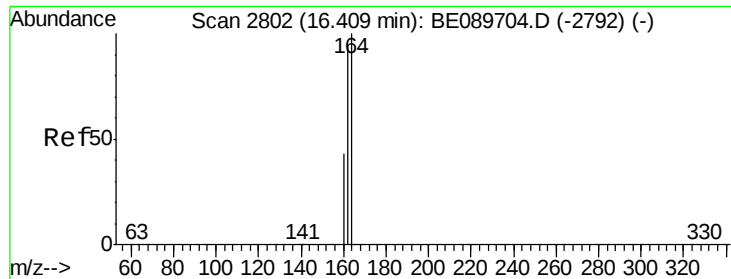
Tgt Ion:162 Resp: 6379
Ion Ratio Lower Upper
162 100
164 63.9 43.9 83.9
98 37.2 15.7 55.7



#12
Hexachlorobutadiene
Concen: 0.48 ng
RT: 12.62 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BE089703.D
Acq: 26 Feb 2015 23:26

Tgt Ion:225 Resp: 3722
Ion Ratio Lower Upper
225 100
223 63.2 50.6 75.8
227 62.8 50.8 76.2





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.41 min Scan# 2801

Delta R.T. 0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

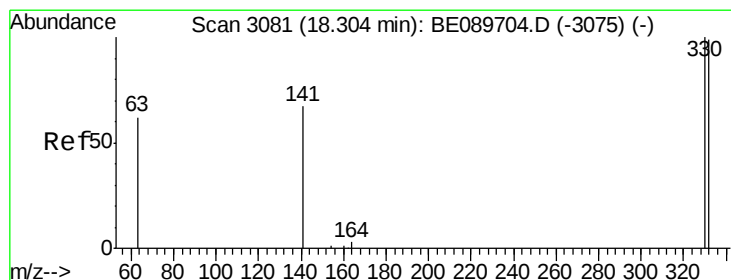
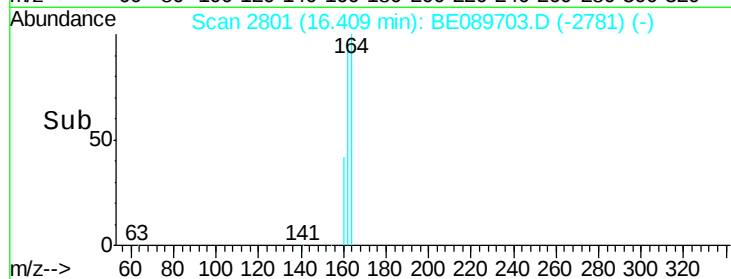
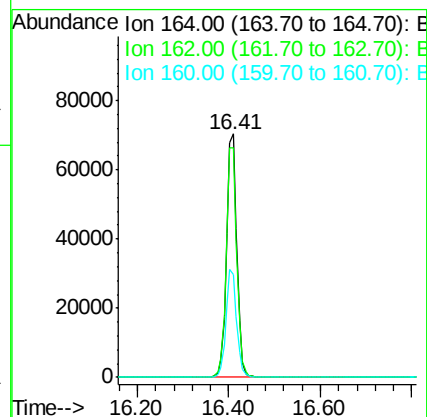
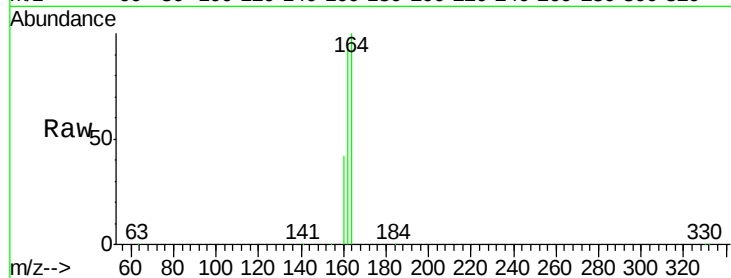
Tgt Ion:164 Resp: 110284

Ion Ratio Lower Upper

164 100

162 94.0 75.0 112.6

160 42.1 34.3 51.5



#14

2,4,6-Tribromophenol

Concen: 0.32 ng

RT: 18.30 min Scan# 3080

Delta R.T. 0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

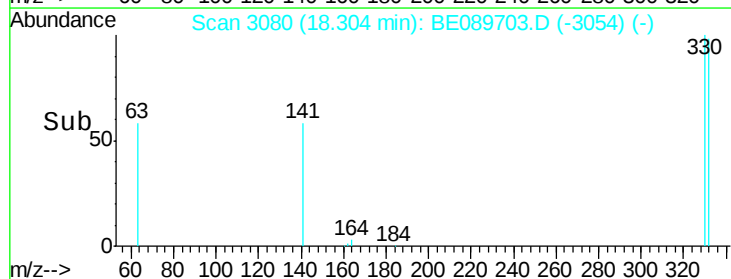
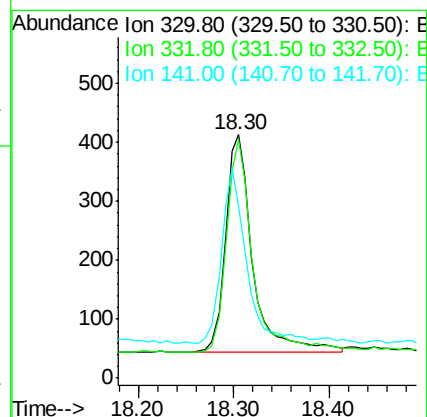
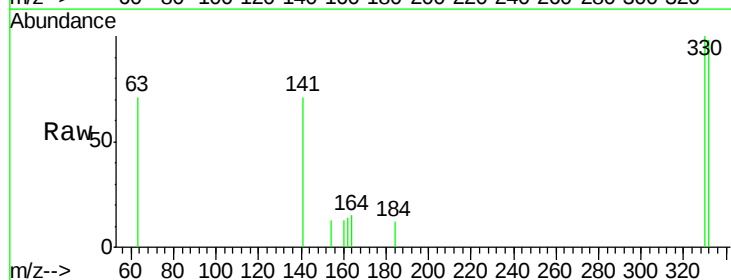
Tgt Ion:330 Resp: 734

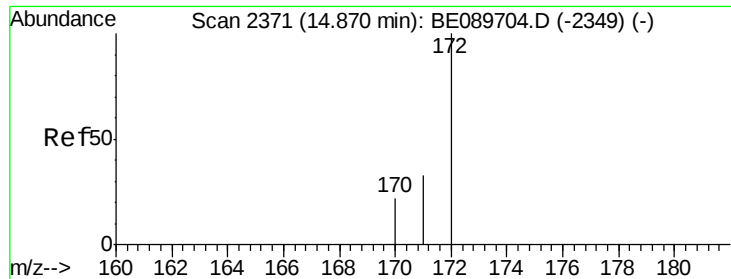
Ion Ratio Lower Upper

330 100

332 97.1 0.0 0.0#

141 74.0 0.0 0.0#

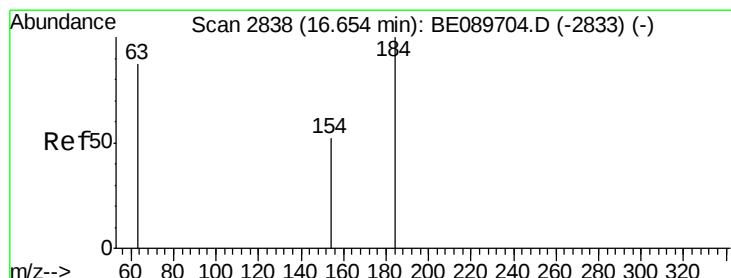
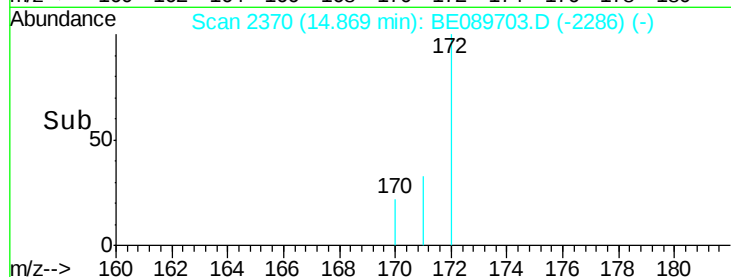
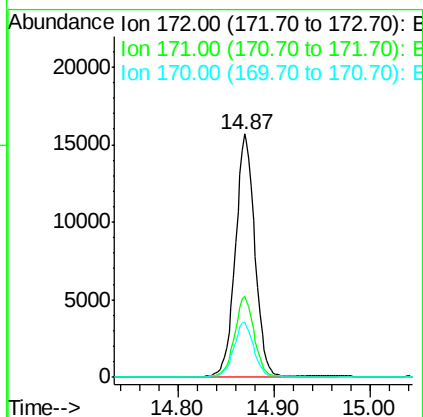
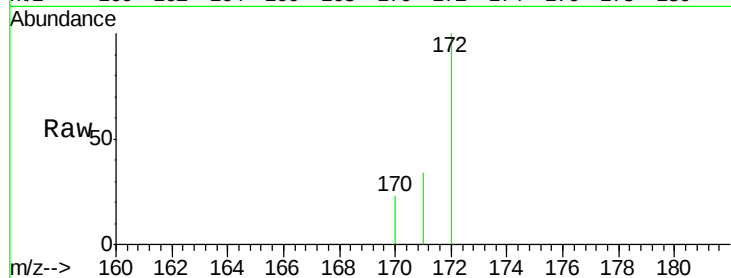




#15
2-Fluorobiphenyl
Concen: 0.68 ng
RT: 14.87 min Scan# 2370
Delta R.T. -0.00 min
Lab File: BE089703.D
Acq: 26 Feb 2015 23:26

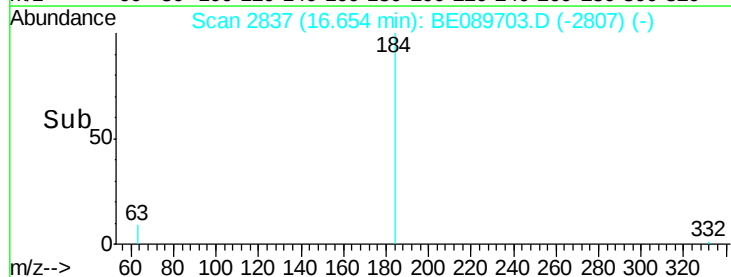
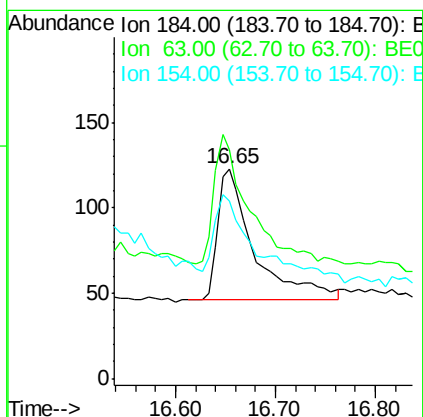
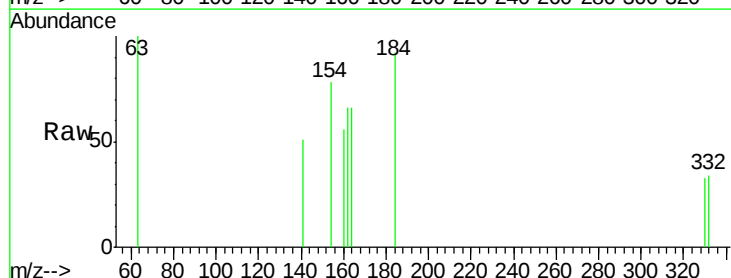
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

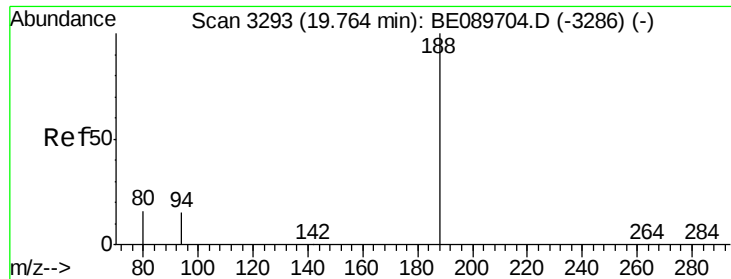
Tgt Ion:172 Resp: 22201
Ion Ratio Lower Upper
172 100
171 33.6 26.8 40.2
170 22.7 18.0 27.0



#16
2,4-Dinitrophenol
Concen: 0.80 ng
RT: 16.65 min Scan# 2837
Delta R.T. 0.00 min
Lab File: BE089703.D
Acq: 26 Feb 2015 23:26

Tgt Ion:184 Resp: 195
Ion Ratio Lower Upper
184 100
63 108.9 82.4 123.6
154 84.6 61.4 92.2

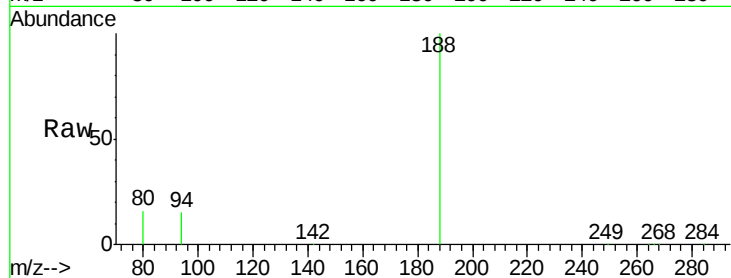




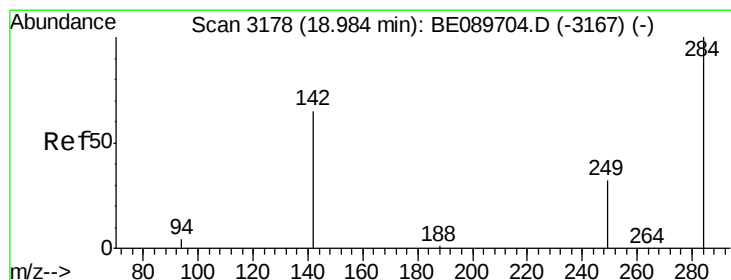
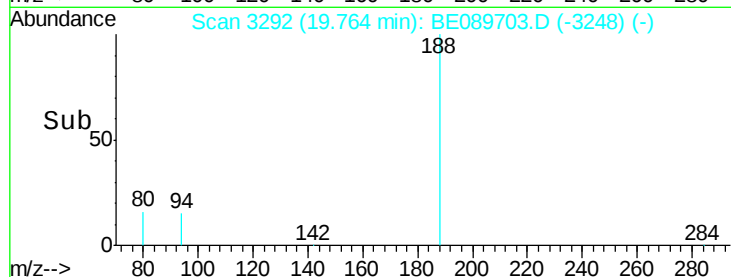
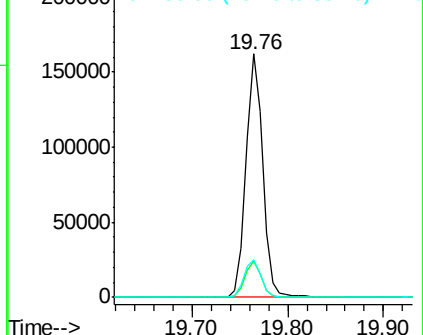
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.76 min Scan# 3292
Delta R.T. -0.00 min
Lab File: BE089703.D
Acq: 26 Feb 2015 23:26

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion:188 Resp: 200863
Ion Ratio Lower Upper
188 100
94 14.9 12.1 18.1
80 15.6 12.7 19.1

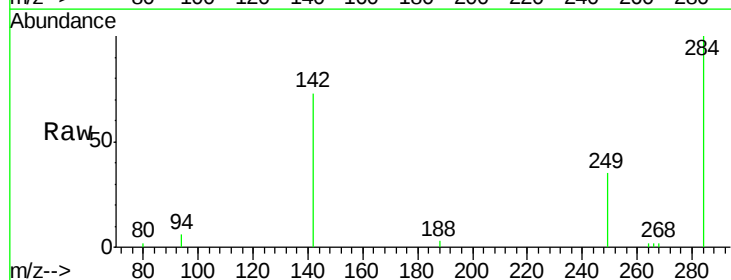


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

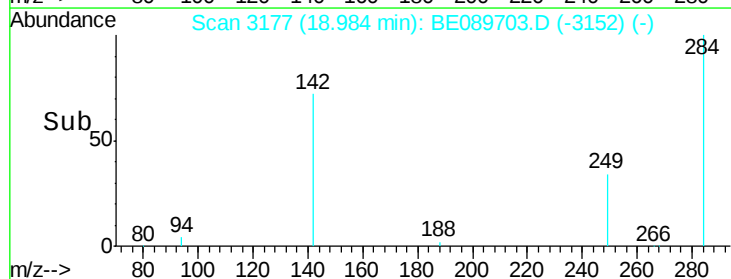
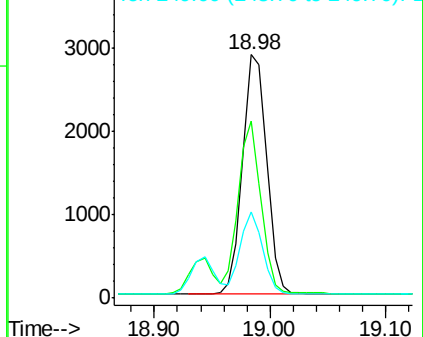


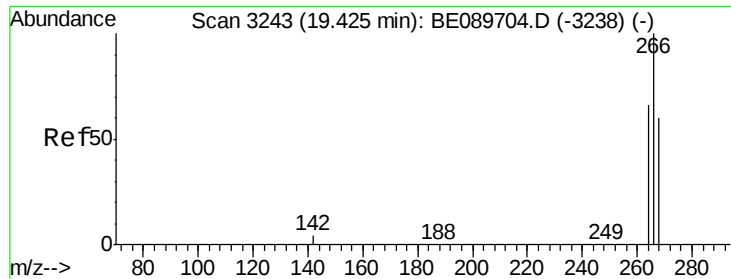
#18
Hexachlorobenzene
Concen: 0.48 ng
RT: 18.98 min Scan# 3177
Delta R.T. -0.00 min
Lab File: BE089703.D
Acq: 26 Feb 2015 23:26

Tgt Ion:284 Resp: 4176
Ion Ratio Lower Upper
284 100
142 72.7 52.2 78.4
249 35.5 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

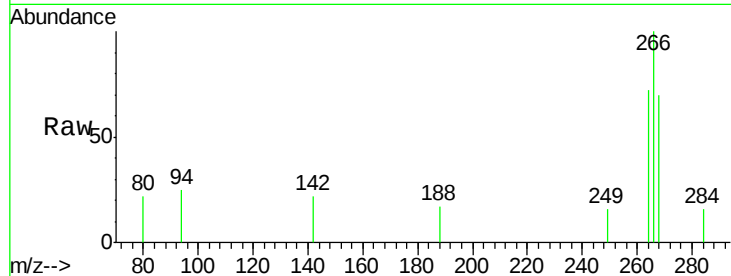




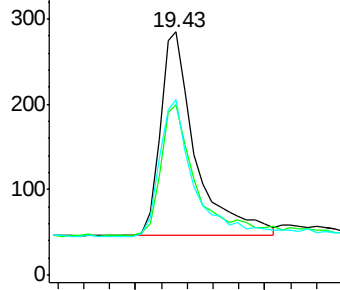
#19
 Pentachlorophenol
 Concen: 0.49 ng
 RT: 19.43 min Scan# 3243
 Delta R.T. 0.01 min
 Lab File: BE089703.D
 Acq: 26 Feb 2015 23:26

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

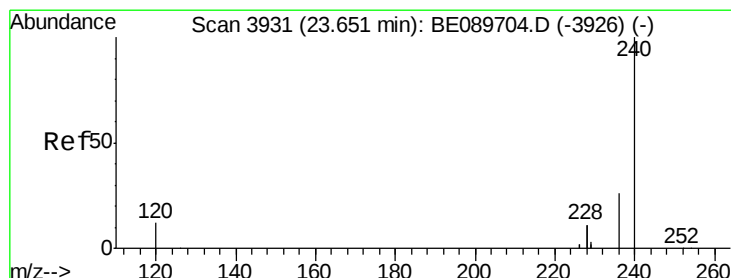
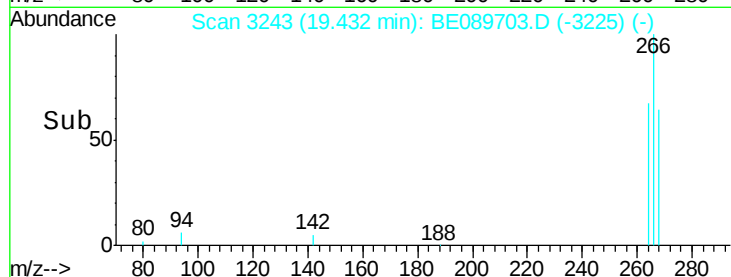
Tgt Ion: 266 Resp: 456
 Ion Ratio Lower Upper
 266 100
 268 70.2 51.4 77.2
 264 72.3 55.8 83.8



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

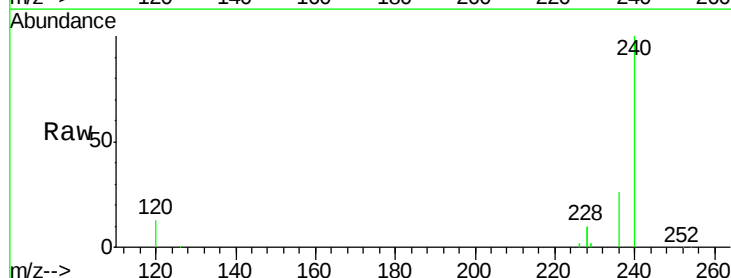


Time-->

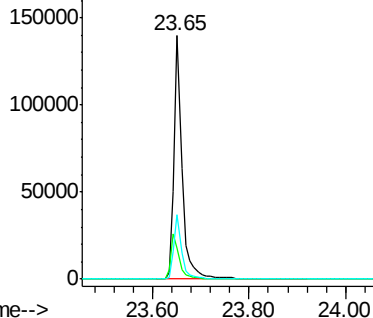


#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.65 min Scan# 3929
 Delta R.T. -0.00 min
 Lab File: BE089703.D
 Acq: 26 Feb 2015 23:26

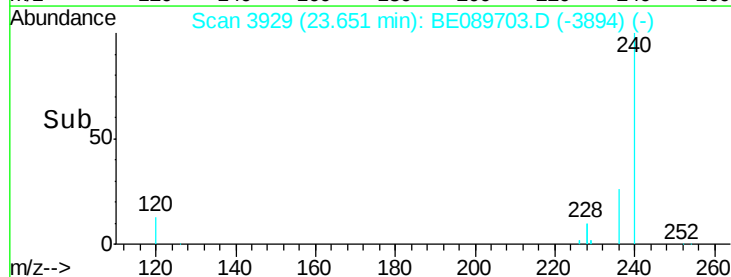
Tgt Ion: 240 Resp: 161364
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.9 14.9
 236 26.3 21.0 31.6

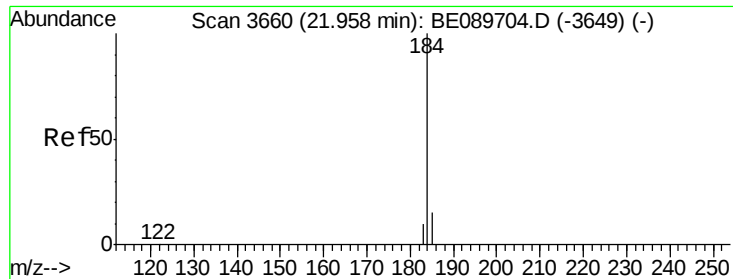


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#21

Benzidine

Concen: 0.34 ng

RT: 21.95 min Scan# 3658

Delta R.T. -0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

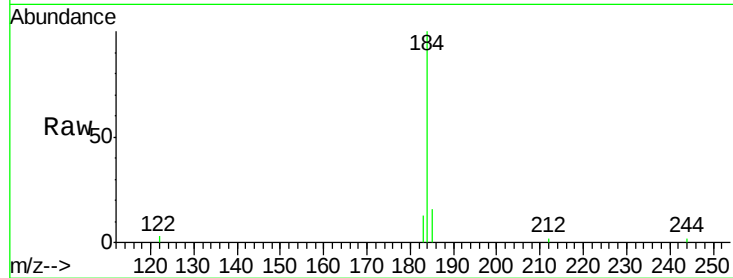
Tgt Ion:184 Resp: 4277

Ion Ratio Lower Upper

184 100

185 15.7 12.8 19.2

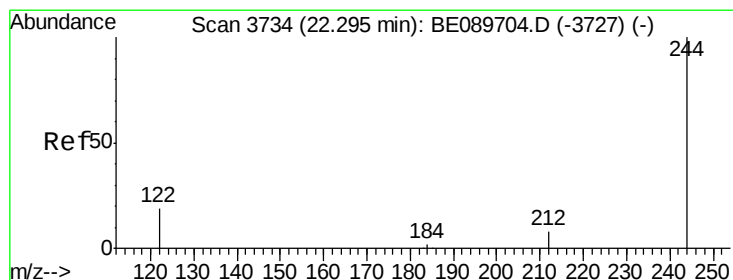
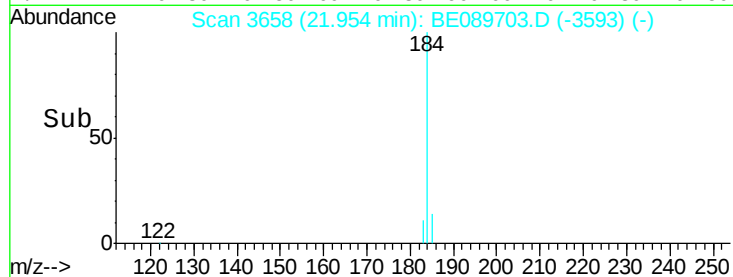
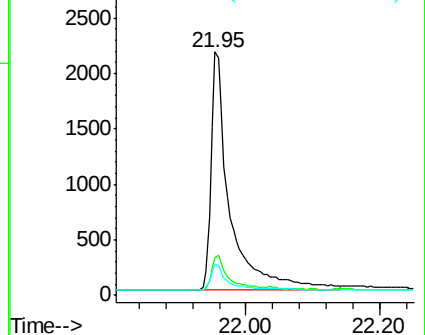
183 12.7 8.8 13.2



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: 0.94 ng

RT: 22.30 min Scan# 3733

Delta R.T. 0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

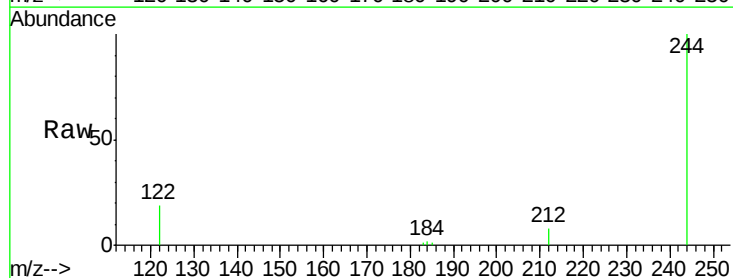
Tgt Ion:244 Resp: 16630

Ion Ratio Lower Upper

244 100

212 8.5 6.7 10.1

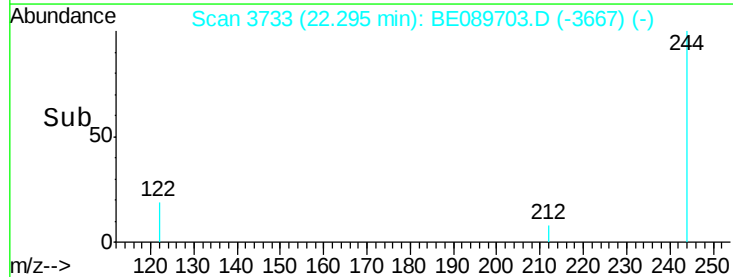
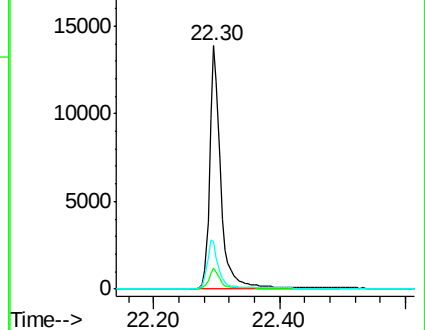
122 19.5 15.7 23.5

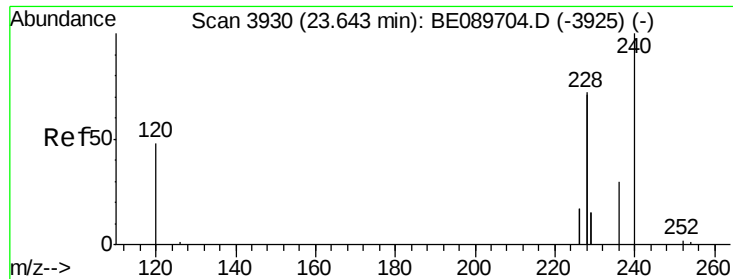


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 0.61 ng

RT: 23.64 min Scan# 3928

Delta R.T. -0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

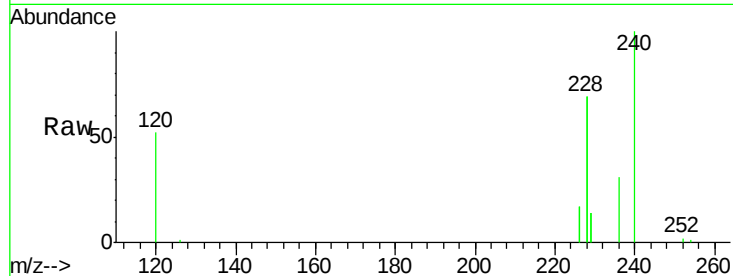
Tgt Ion:228 Resp: 88150

Ion Ratio Lower Upper

228 100

226 24.4 19.3 28.9

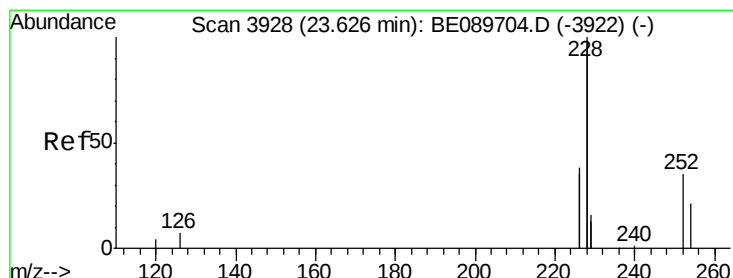
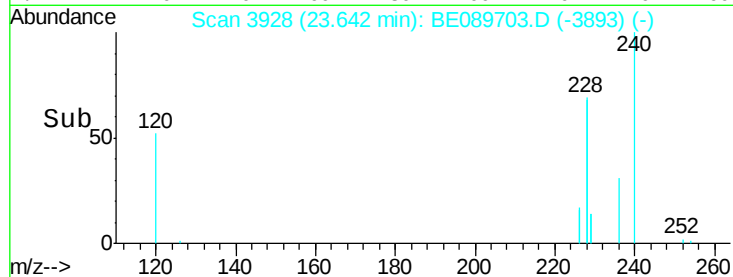
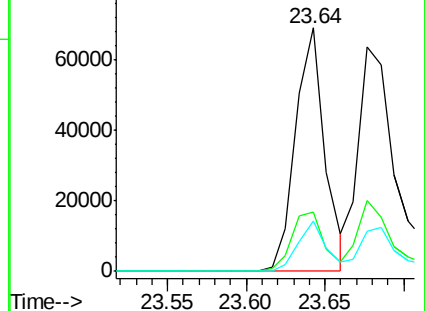
229 20.4 16.6 25.0



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: 0.56 ng

RT: 23.63 min Scan# 3926

Delta R.T. -0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

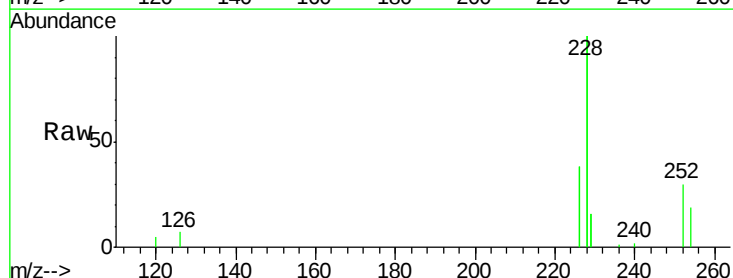
Tgt Ion:252 Resp: 3714

Ion Ratio Lower Upper

252 100

254 62.0 49.4 74.2

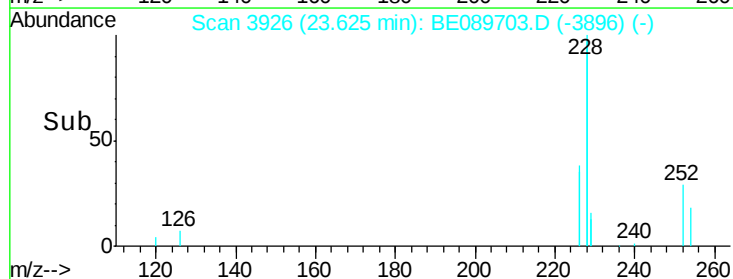
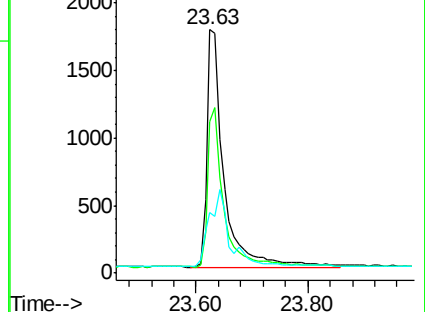
126 24.7 17.4 26.2

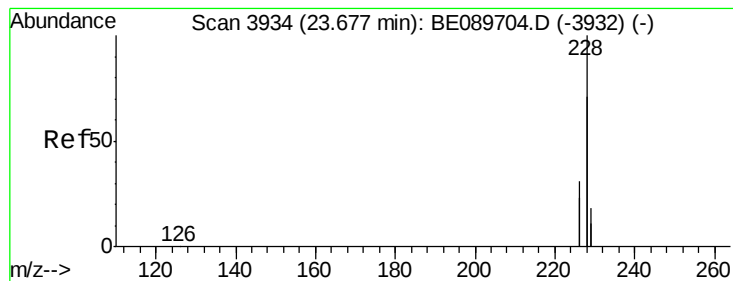


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.65 ng

RT: 23.68 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

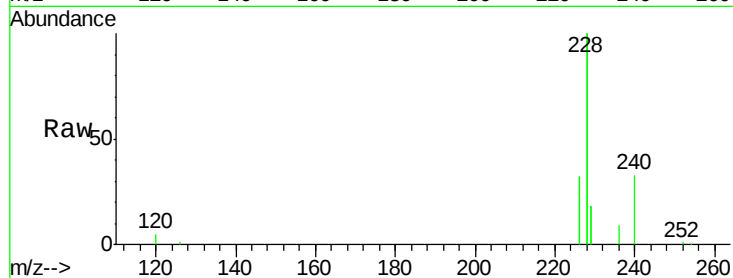
Tgt Ion:228 Resp: 114991

Ion Ratio Lower Upper

228 100

226 31.6 24.7 37.1

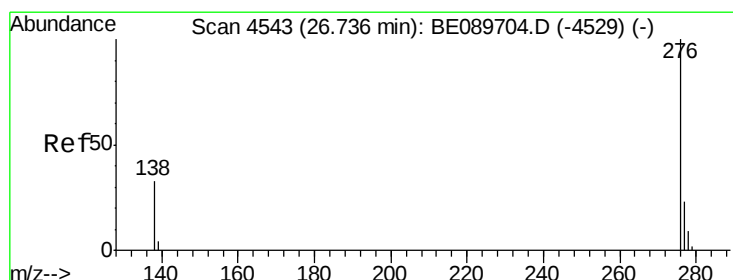
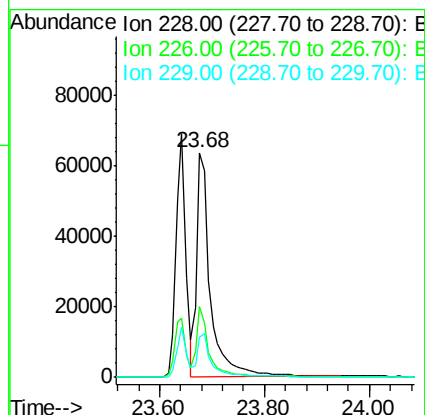
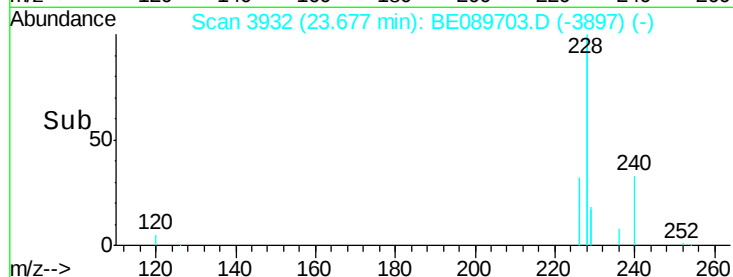
229 17.9 14.4 21.6



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: 0.48 ng

RT: 26.74 min Scan# 4541

Delta R.T. -0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

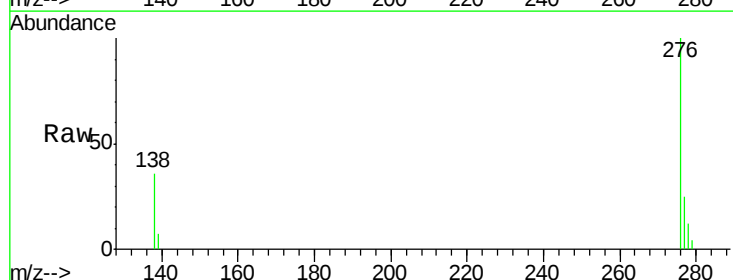
Tgt Ion:276 Resp: 11808

Ion Ratio Lower Upper

276 100

138 0.0 29.8 44.6#

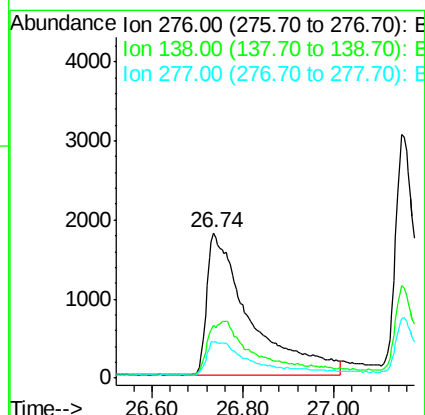
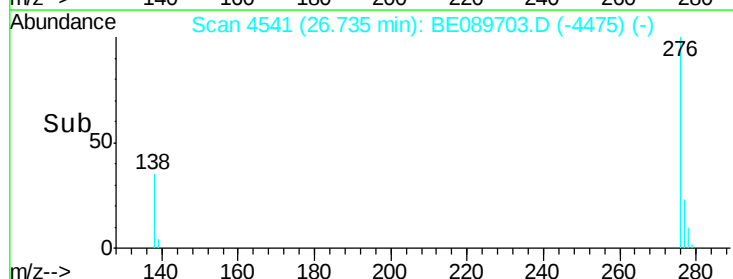
277 6.9 19.8 29.6#

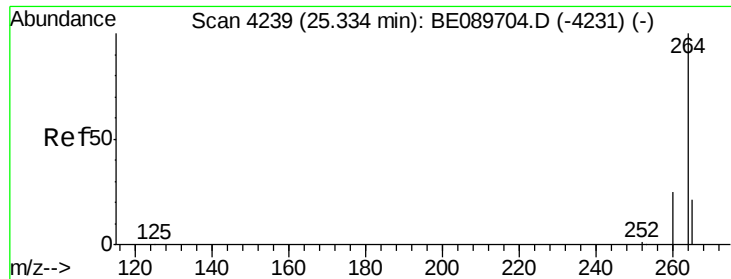


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

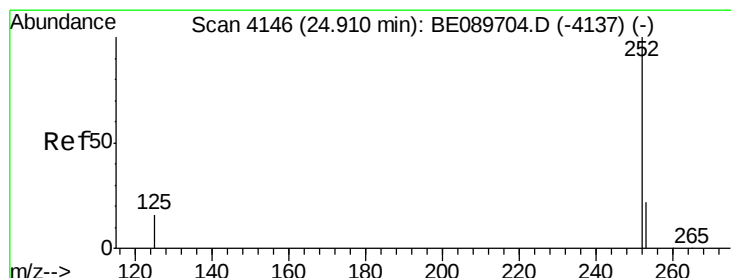
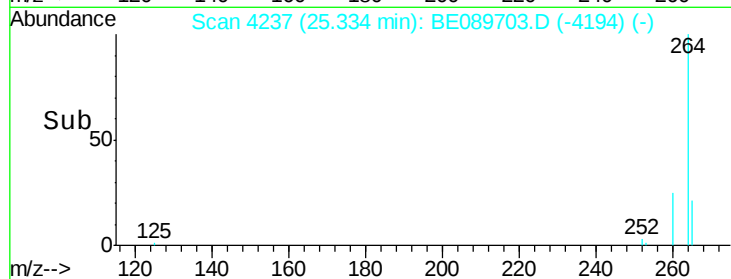
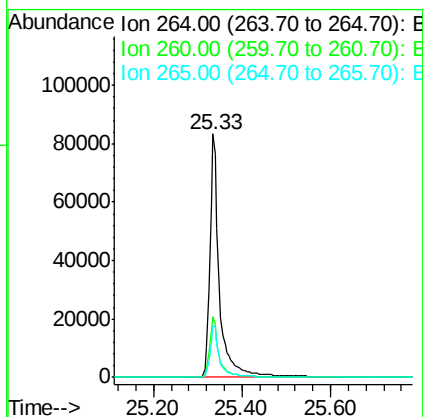
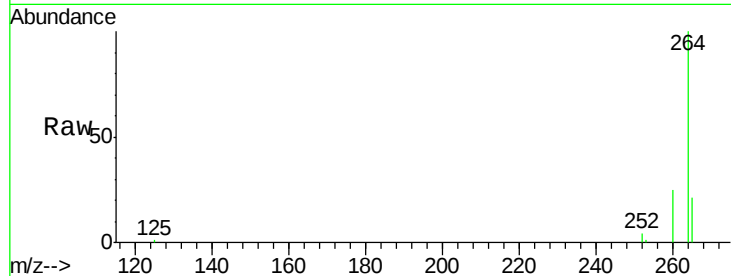




#27
Perylene-d12
Concen: 5.00 ng
RT: 25.33 min Scan# 4237
Delta R.T. 0.00 min
Lab File: BE089703.D
Acq: 26 Feb 2015 23:26

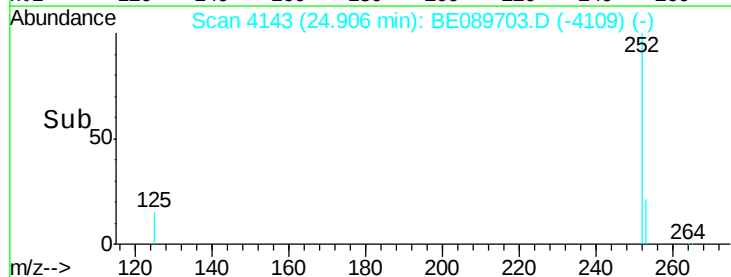
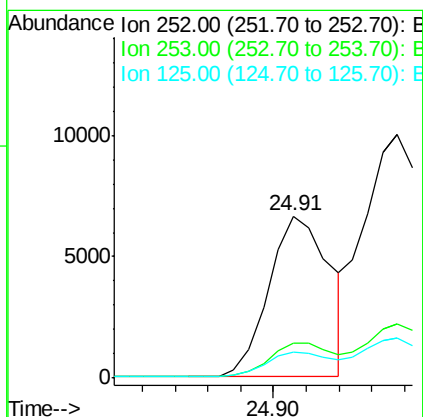
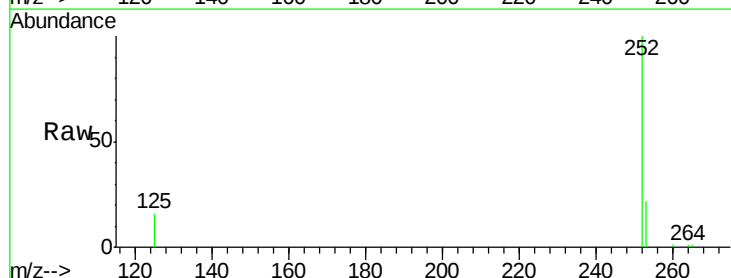
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

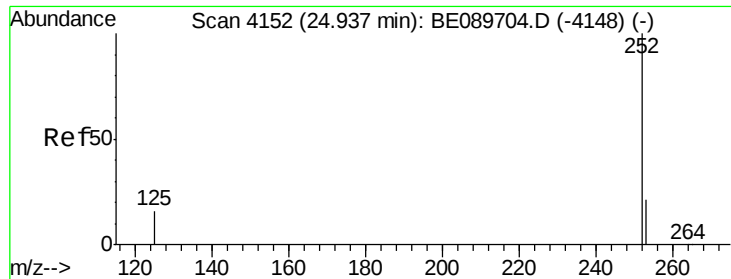
Tgt Ion: 264 Resp: 126012
Ion Ratio Lower Upper
264 100
260 25.1 20.2 30.2
265 21.1 16.9 25.3



#28
Benzo(b)fluoranthene
Concen: 0.61 ng
RT: 24.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: BE089703.D
Acq: 26 Feb 2015 23:26

Tgt Ion: 252 Resp: 8588
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.6
125 15.9 12.9 19.3





#29

Benzo(k)fluoranthene

Concen: 0.72 ng

RT: 24.94 min Scan# 4150

Delta R.T. 0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

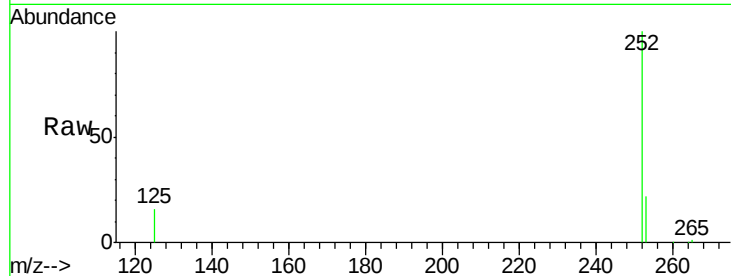
Tgt Ion:252 Resp: 25394

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

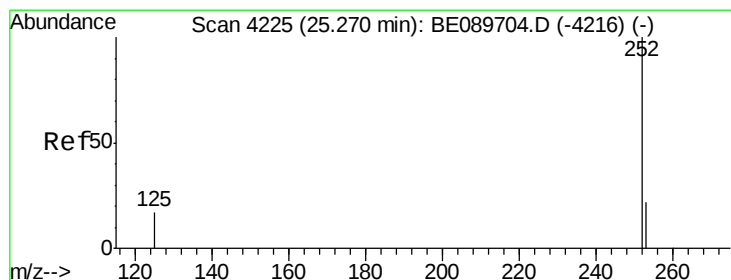
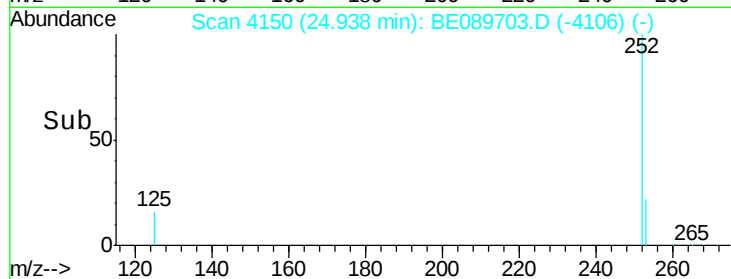
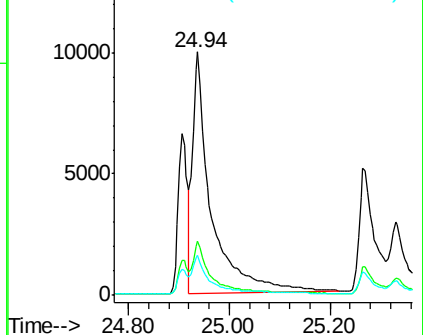
125 16.3 12.9 19.3



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



#30

Benzo(a)pyrene

Concen: 0.67 ng

RT: 25.27 min Scan# 4222

Delta R.T. -0.00 min

Lab File: BE089703.D

Acq: 26 Feb 2015 23:26

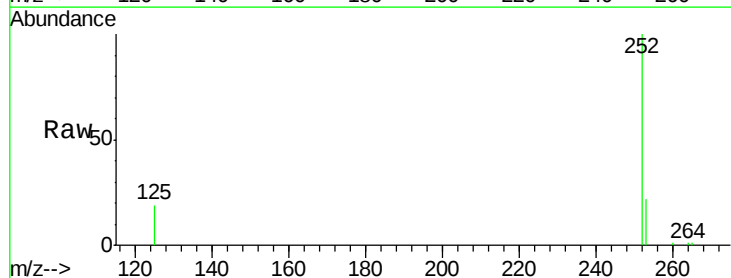
Tgt Ion:252 Resp: 9994

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

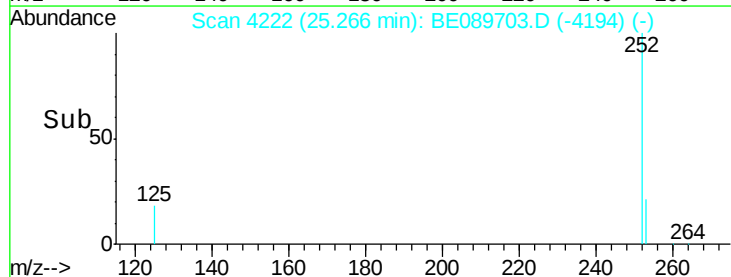
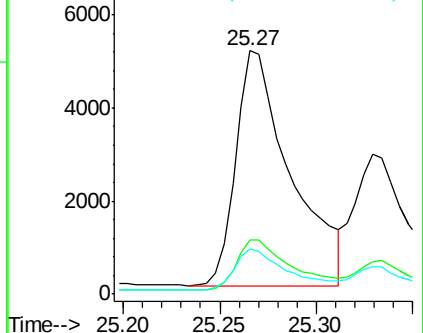
125 18.6 14.0 21.0

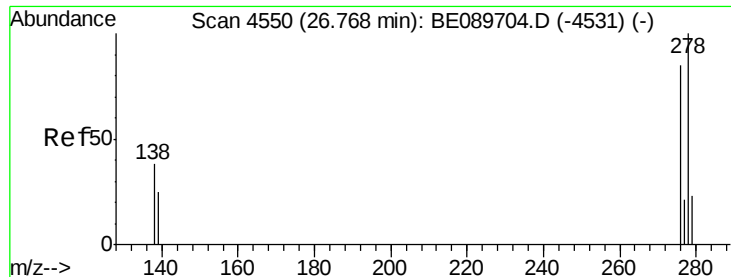


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 0.63 ng

RT: 26.77 min Scan# 4548

Delta R.T. -0.00 min

Lab File: BE089703.D

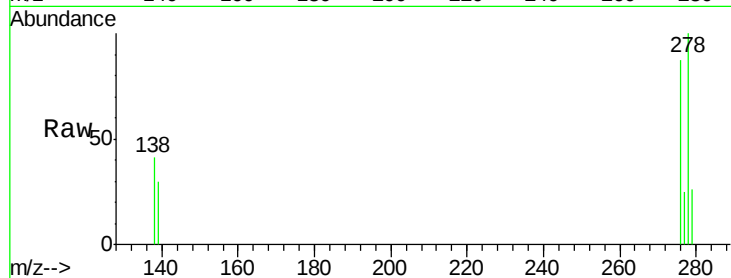
Acq: 26 Feb 2015 23:26

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8



Tgt Ion: 278 Resp: 8365

Ion Ratio Lower Upper

278 100

139 30.0 21.1 31.7

279 26.0 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

