

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089702.D
 Acq On : 26 Feb 2015 22:47
 Operator : TP/JJ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Quant Time: Feb 27 04:57:02 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

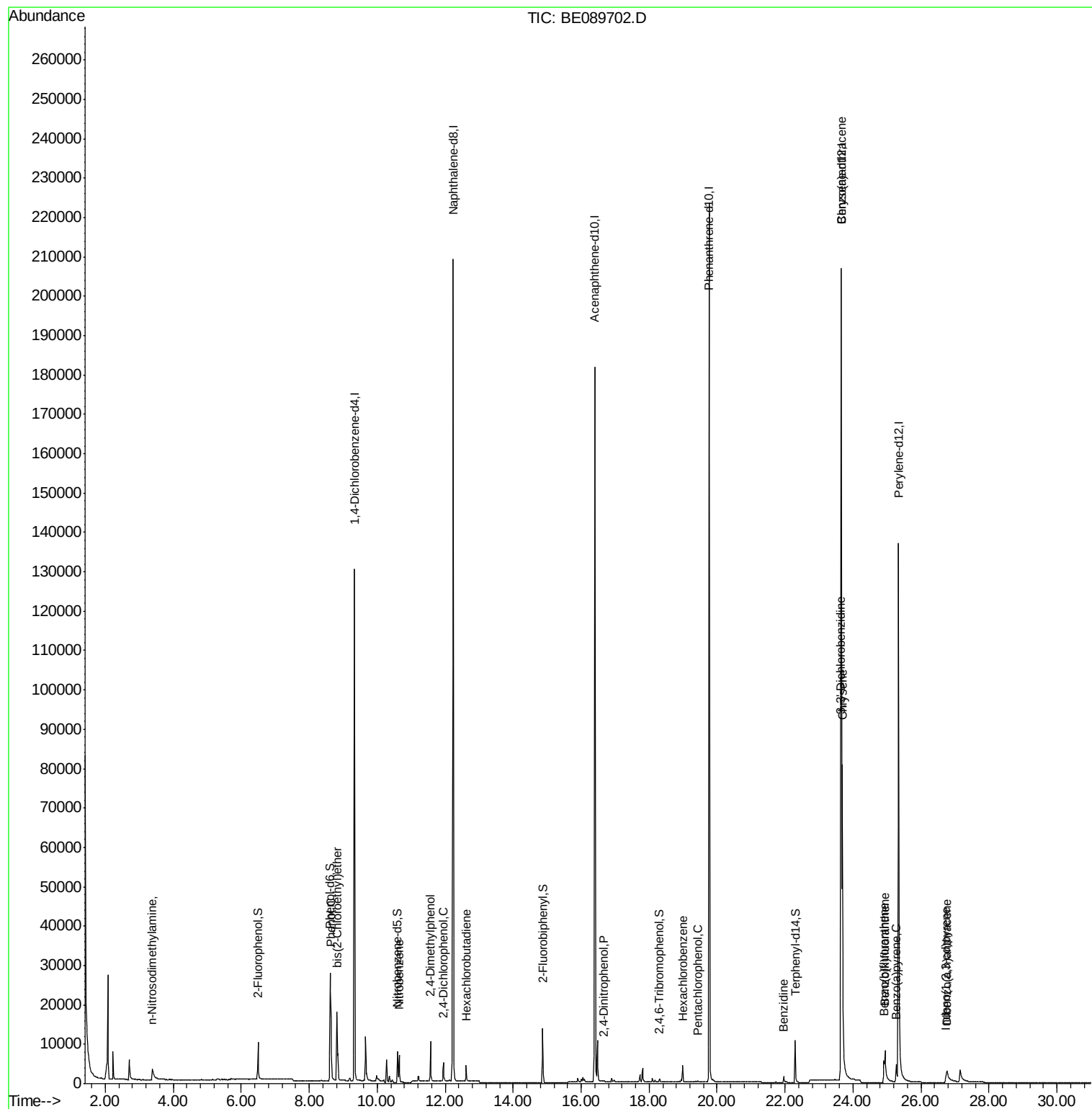
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	57953	5.00	ng	0.00
7) Naphthalene-d8	12.23	136	246963	5.00	ng	0.00
13) Acenaphthene-d10	16.40	164	113883	5.00	ng	0.00
17) Phenanthrene-d10	19.76	188	210524	5.00	ng	0.00
20) Chrysene-d12	23.65	240	170496	5.00	ng	0.00
27) Perylene-d12	25.34	264	136911	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.49	112	7147	0.40	ng	0.00
4) Phenol-d6	8.61	99	9858	0.45	ng	0.00
8) Nitrobenzene-d5	10.60	82	5839	0.35	ng	0.00
14) 2,4,6-Tribromophenol	18.30	330	447	0.19	ng	0.00
15) 2-Fluorobiphenyl	14.87	172	13117	0.39	ng	0.00
22) Terphenyl-d14	22.30	244	10605	0.56	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.38	42	3296	0.35	ng	# 78
5) Phenol	8.63	94	10709	0.46	ng	# 6
6) bis(2-Chloroethyl)ether	8.82	93	8585	0.49	ng	# 98
9) Nitrobenzene	10.64	77	6813	0.36	ng	99
10) 2,4-Dimethylphenol	11.57	122	5555	0.38	ng	99
11) 2,4-Dichlorophenol	11.95	162	3958	0.36	ng	95
12) Hexachlorobutadiene	12.62	225	2446	0.31	ng	99
16) 2,4-Dinitrophenol	16.66	184	96	0.72	ng	# 77
18) Hexachlorobenzene	18.98	284	2882	0.31	ng	98
19) Pentachlorophenol	19.43	266	287	0.40	ng	94
21) Benzidine	21.96	184	2581	0.20	ng	# 95
23) Benzo(a)anthracene	23.64	228	60017	0.39	ng	98
24) 3,3'-Dichlorobenzidine	23.63	252	2182	0.47	ng	99
25) Chrysene	23.68	228	79382	0.42	ng	100
26) Indeno(1,2,3-cd)pyrene	26.73	276	7504	0.37	ng	# 58
28) Benzo(b)fluoranthene	24.91	252	5528	0.46	ng	99
29) Benzo(k)fluoranthene	24.94	252	16715	0.44	ng	98
30) Benzo(a)pyrene	25.27	252	6150	0.53	ng	98
31) Dibenzo(a,h)anthracene	26.77	278	5048	0.52	ng	92

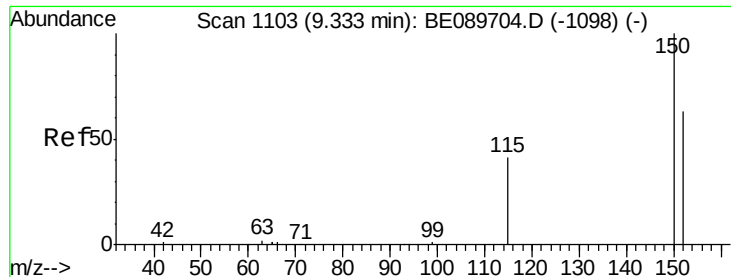
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

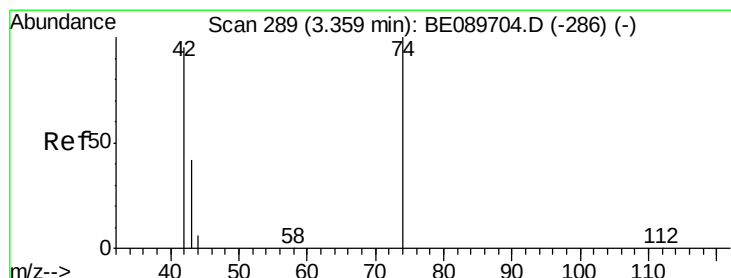
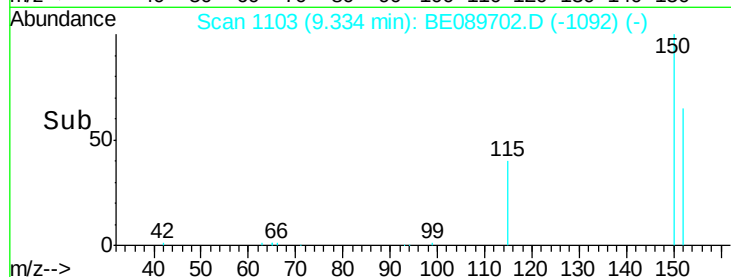
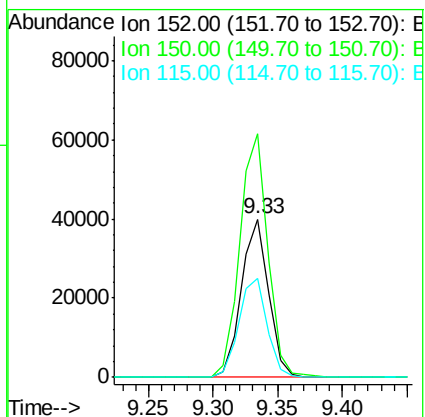
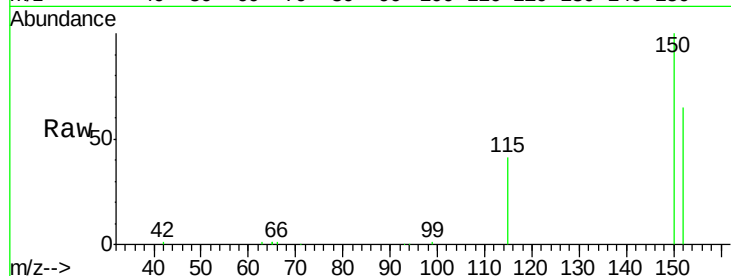
Tgt Ion:152 Resp: 57953

Ion Ratio Lower Upper

152 100

150 153.7 127.3 190.9

115 62.2 52.0 78.0



#2

n-Nitrosodimethylamine

Concen: 0.35 ng

RT: 3.38 min Scan# 292

Delta R.T. 0.02 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

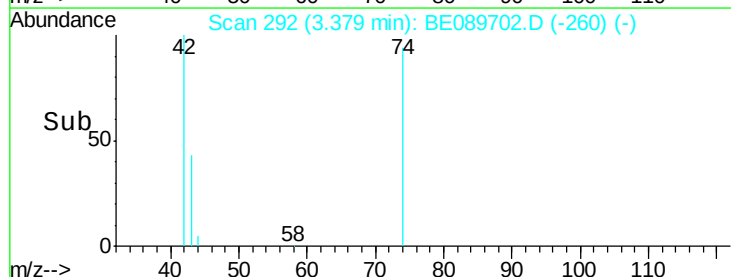
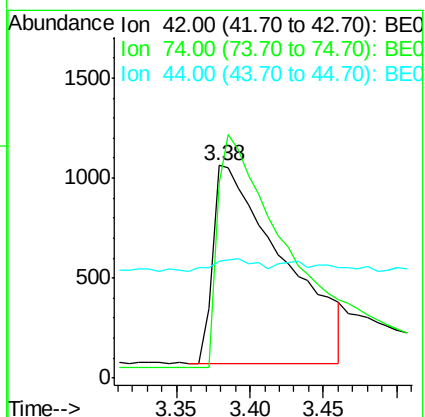
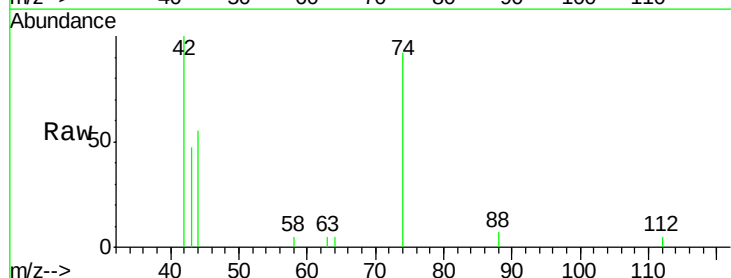
Tgt Ion: 42 Resp: 3296

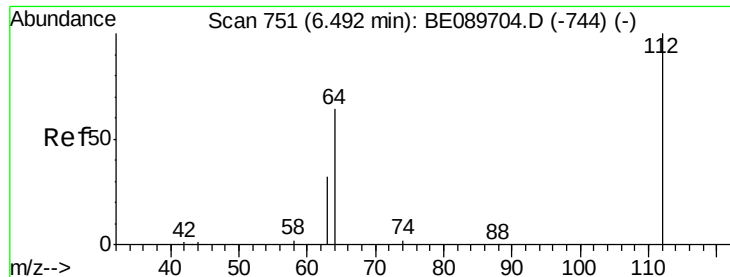
Ion Ratio Lower Upper

42 100

74 91.6 83.8 125.8

44 54.9 19.0 28.6#

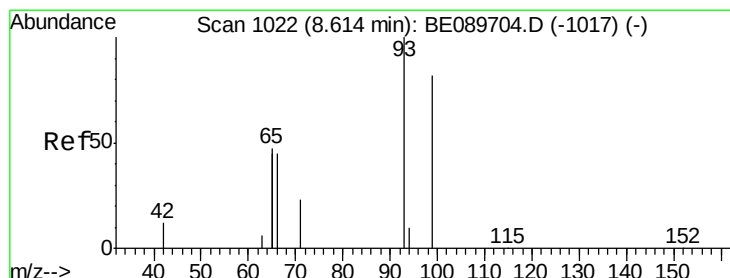
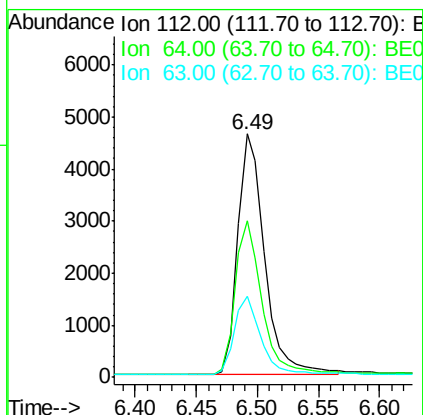
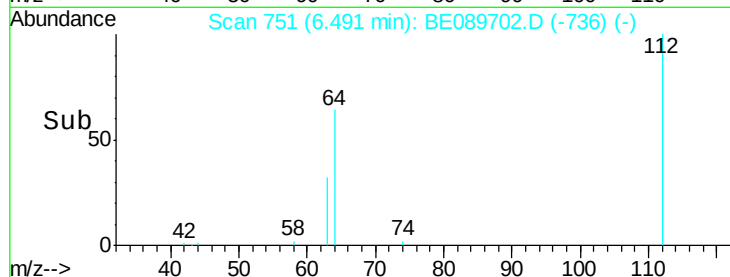
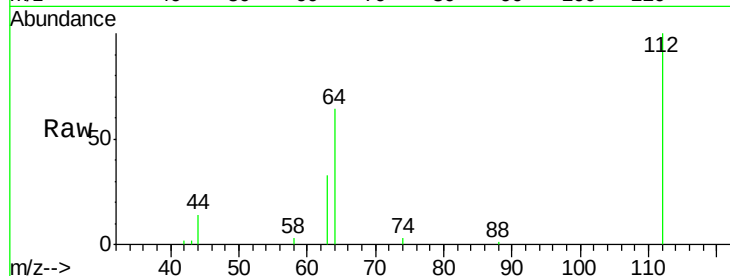




#3
 2-Fluorophenol
 Concen: 0.40 ng
 RT: 6.49 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BE089702.D
 Acq: 26 Feb 2015 22:47

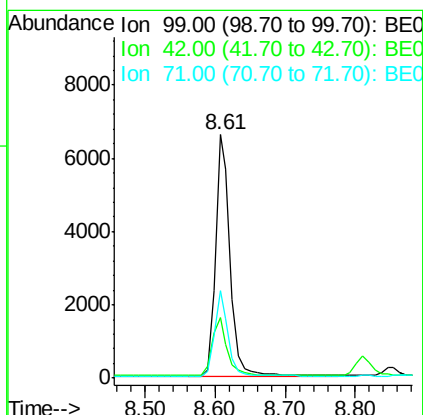
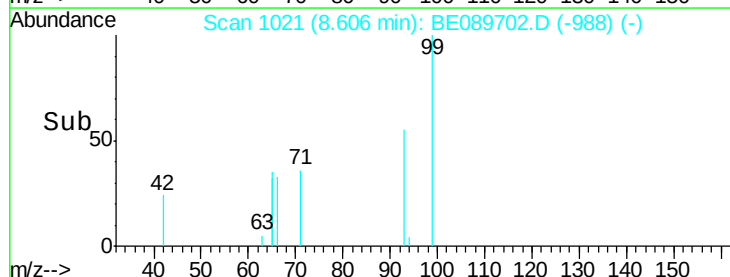
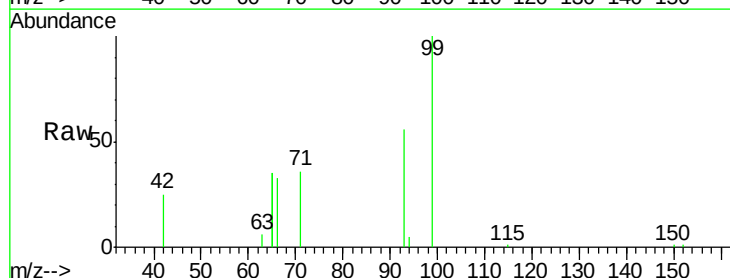
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

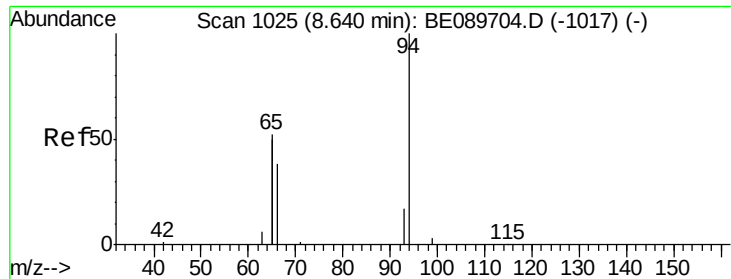
Tgt Ion:	112	Resp:	7147
Ion	Ratio	Lower	Upper
112	100		
64	64.4	51.3	76.9
63	33.1	26.2	39.2



#4
 Phenol-d6
 Concen: 0.45 ng
 RT: 8.61 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BE089702.D
 Acq: 26 Feb 2015 22:47

Tgt Ion:	99	Resp:	9858
Ion	Ratio	Lower	Upper
99	100		
42	24.8	12.3	18.5#
71	36.1	22.9	34.3#





#5

Phenol

Concen: 0.46 ng

RT: 8.63 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

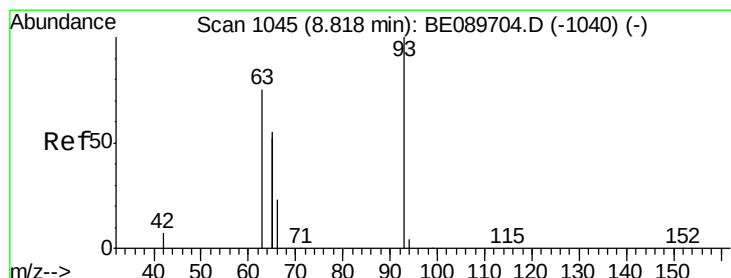
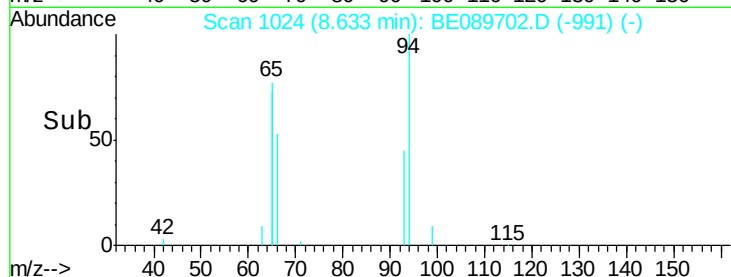
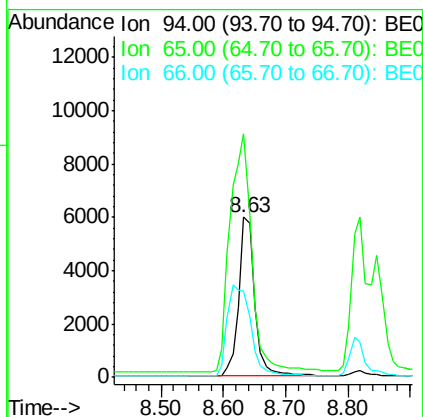
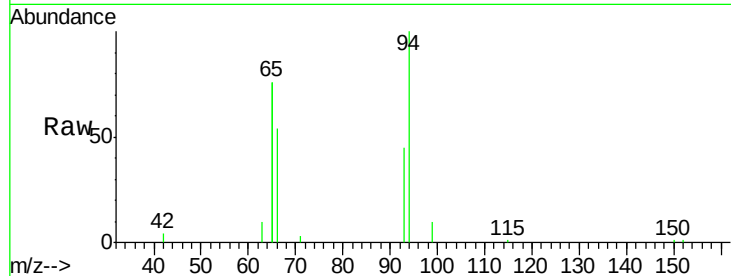
Tgt Ion: 94 Resp: 10709

Ion Ratio Lower Upper

94 100

65 151.8 31.7 71.7#

66 53.9 17.9 57.9



#6

bis(2-Chloroethyl)ether

Concen: 0.49 ng

RT: 8.82 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

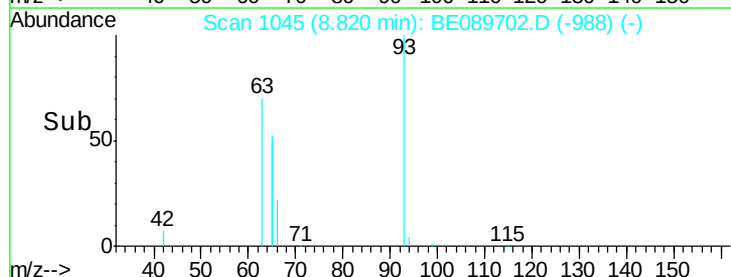
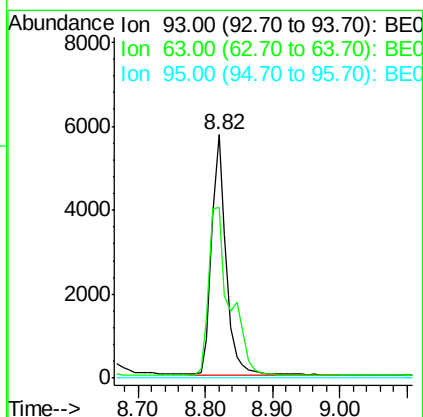
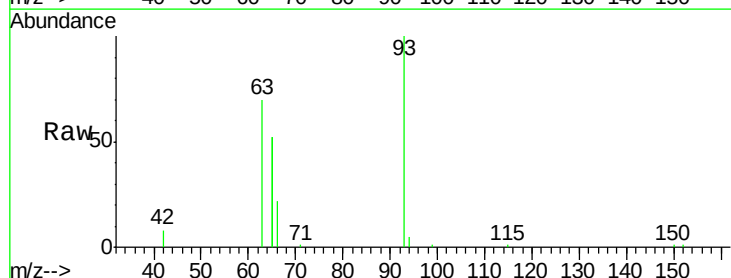
Tgt Ion: 93 Resp: 8585

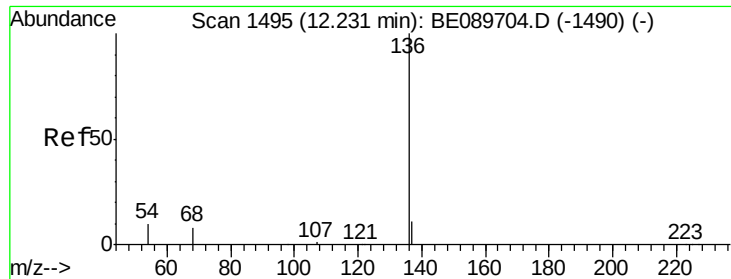
Ion Ratio Lower Upper

93 100

63 102.9 83.8 125.8

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.23 min Scan# 1495

Delta R.T. -0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

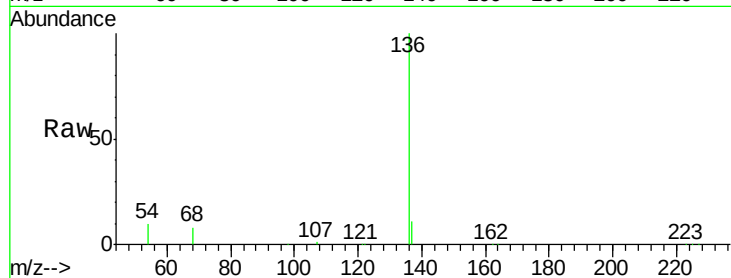
Tgt Ion: 136 Resp: 246963

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

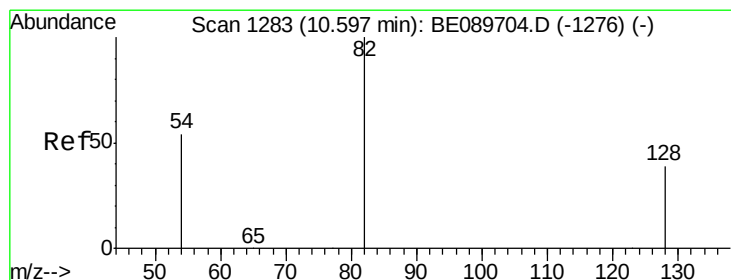
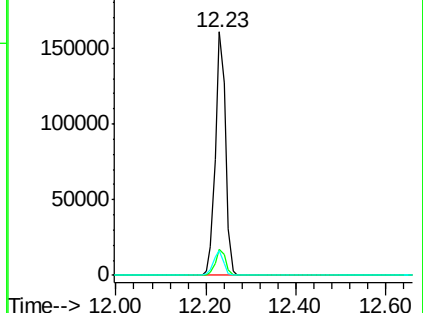
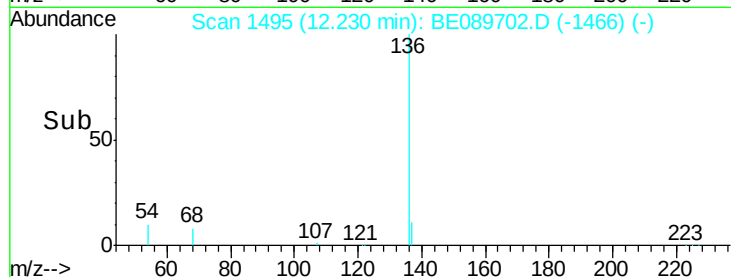
54 10.2 8.1 12.1



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: 0.35 ng

RT: 10.60 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

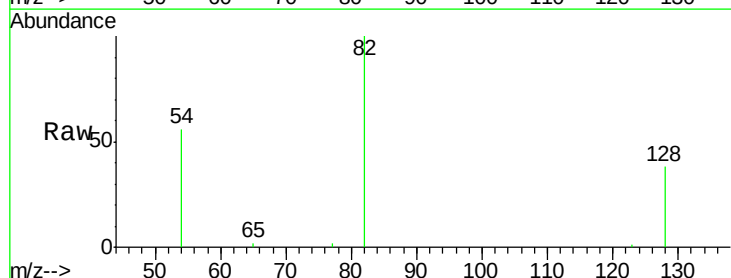
Tgt Ion: 82 Resp: 5839

Ion Ratio Lower Upper

82 100

128 37.7 31.4 47.2

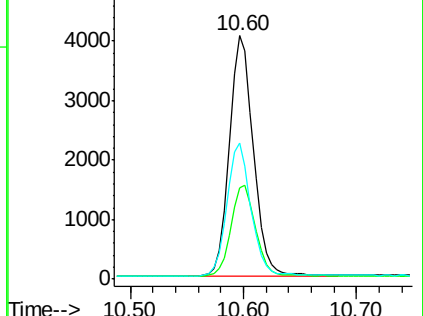
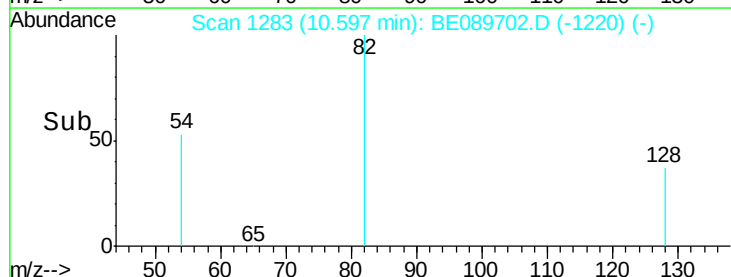
54 55.8 43.8 65.8

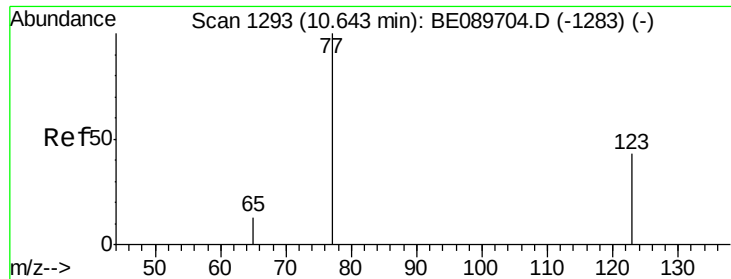


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.36 ng

RT: 10.64 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

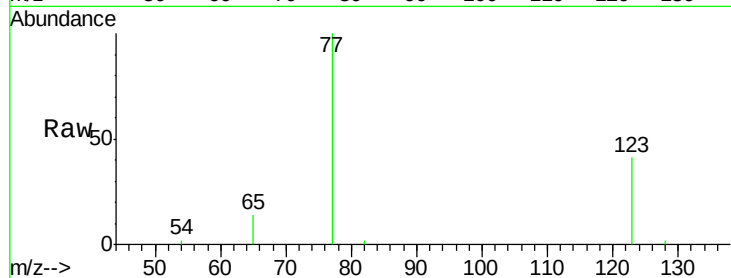
Tgt Ion: 77 Resp: 6813

Ion Ratio Lower Upper

77 100

123 40.9 33.2 49.8

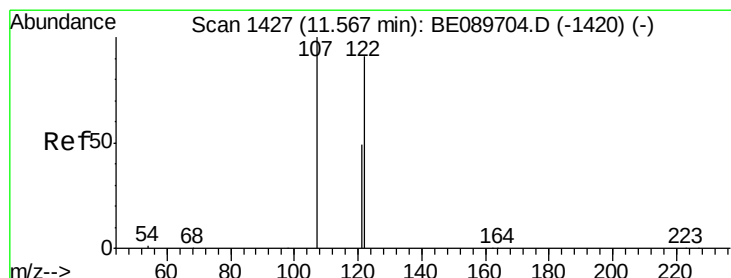
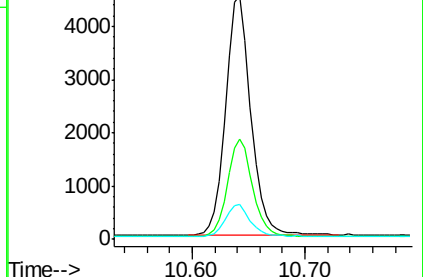
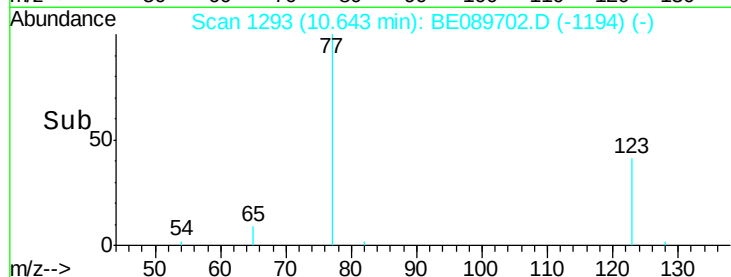
65 13.0 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BE089702.D (-1194) (-)

Ion 123.00 (122.70 to 123.70): BE089702.D (-1194) (-)

Ion 65.00 (64.70 to 65.70): BE089702.D (-1194) (-)



#10

2,4-Dimethylphenol

Concen: 0.38 ng

RT: 11.57 min Scan# 1427

Delta R.T. -0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

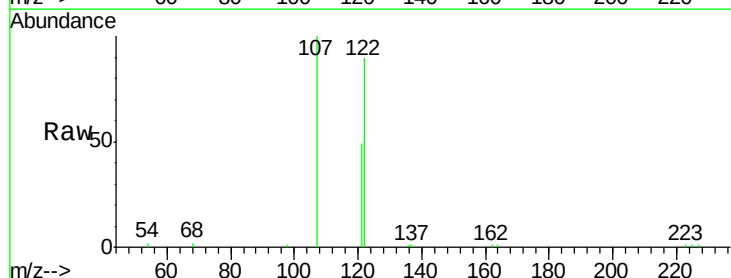
Tgt Ion: 122 Resp: 5555

Ion Ratio Lower Upper

122 100

107 111.5 87.6 131.4

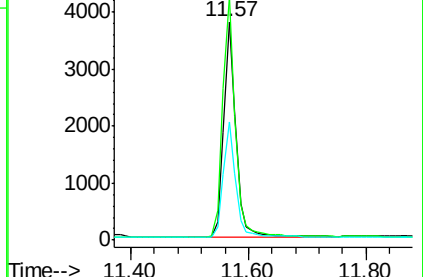
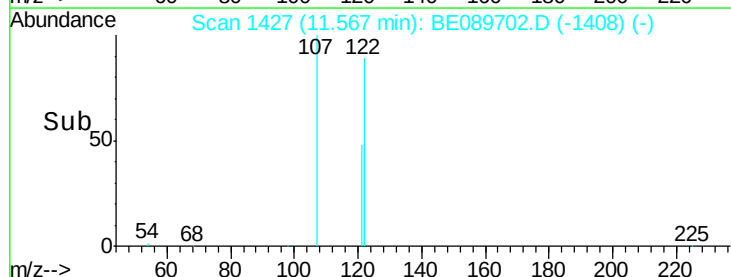
121 54.2 43.4 65.2

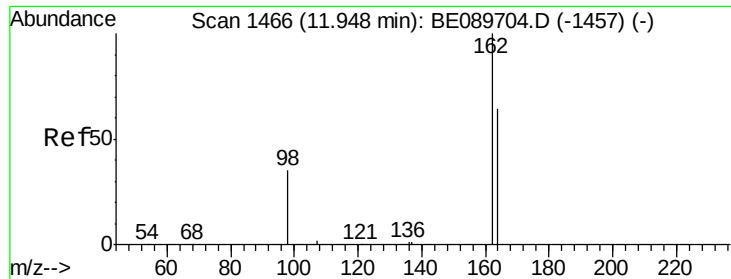


Abundance Ion 122.00 (121.70 to 122.70): BE089702.D (-1408) (-)

Ion 107.00 (106.70 to 107.70): BE089702.D (-1408) (-)

Ion 121.00 (120.70 to 121.70): BE089702.D (-1408) (-)

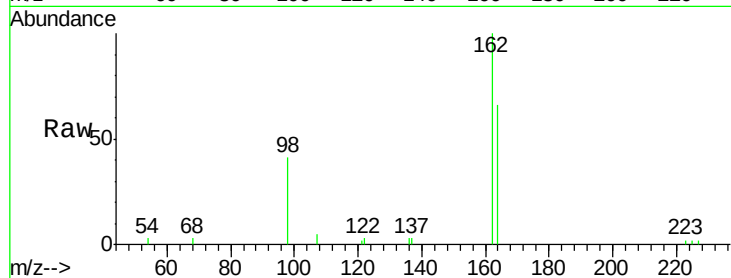




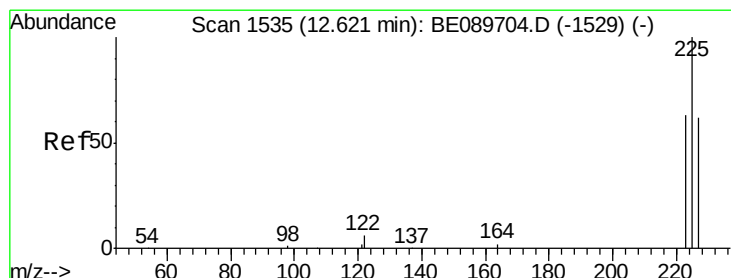
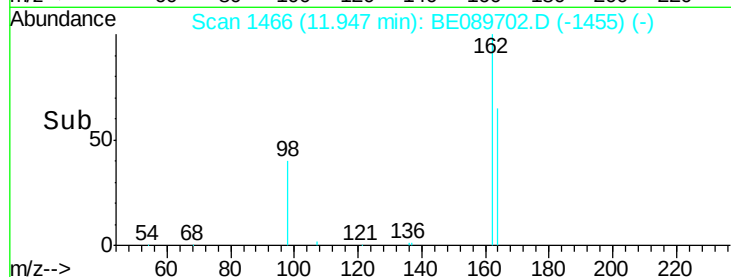
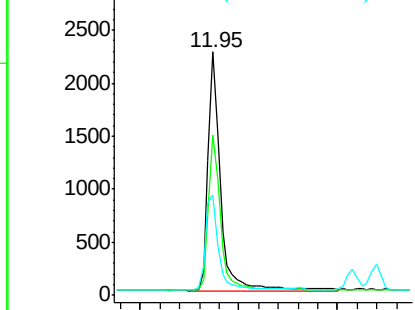
#11
 2,4-Dichlorophenol
 Concen: 0.36 ng
 RT: 11.95 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BE089702.D
 Acq: 26 Feb 2015 22:47

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion:162 Resp: 3958
 Ion Ratio Lower Upper
 162 100
 164 65.6 43.9 83.9
 98 41.3 15.7 55.7

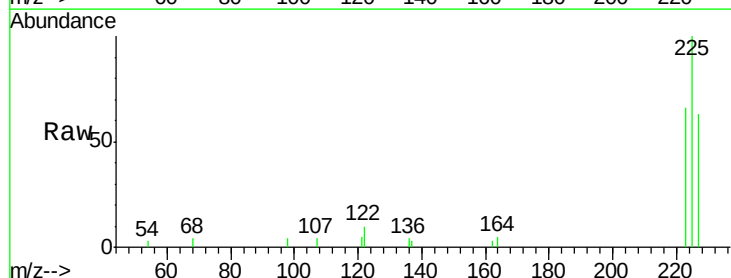


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): E

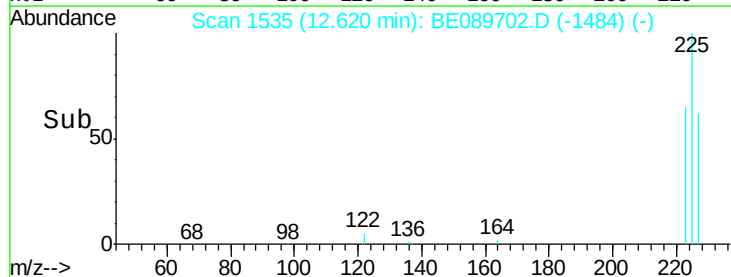
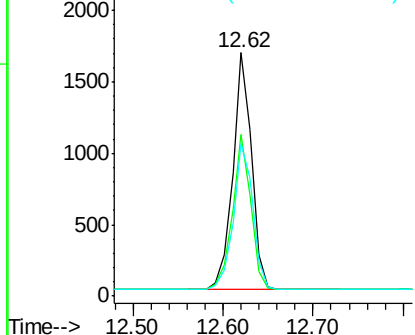


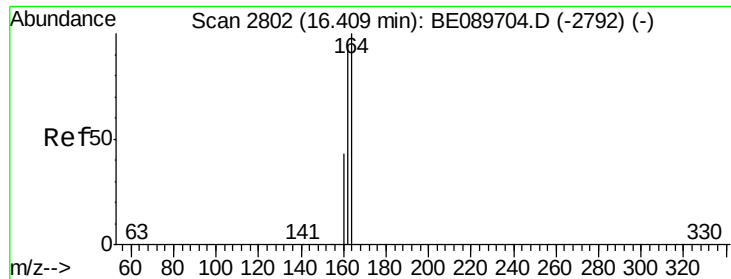
#12
 Hexachlorobutadiene
 Concen: 0.31 ng
 RT: 12.62 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: BE089702.D
 Acq: 26 Feb 2015 22:47

Tgt Ion:225 Resp: 2446
 Ion Ratio Lower Upper
 225 100
 223 63.9 50.6 75.8
 227 63.7 50.8 76.2



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: 16.40 min Scan# 2802

Delta R.T. -0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

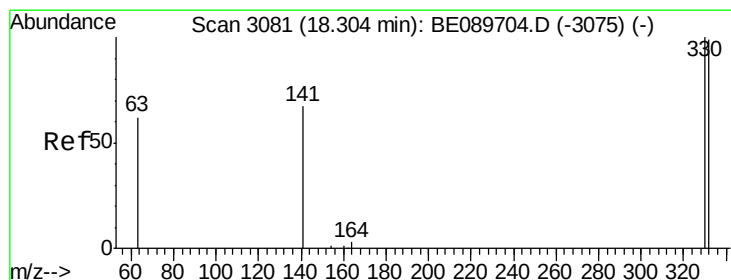
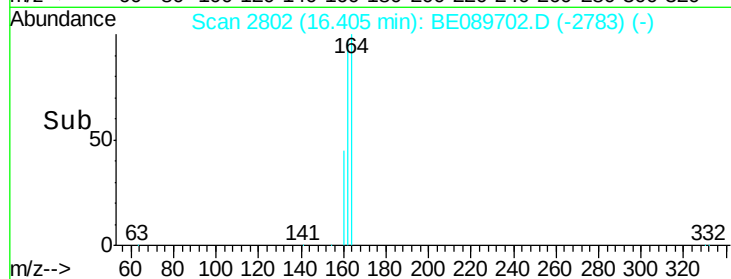
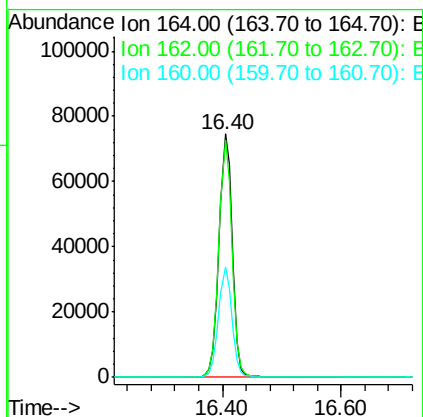
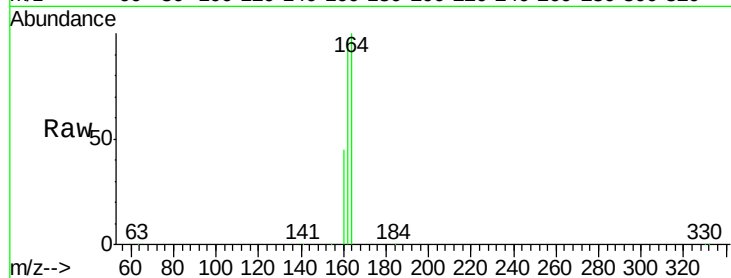
Tgt Ion:164 Resp: 113883

Ion Ratio Lower Upper

164 100

162 97.4 75.0 112.6

160 45.5 34.3 51.5



#14

2,4,6-Tribromophenol

Concen: 0.19 ng

RT: 18.30 min Scan# 3081

Delta R.T. -0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

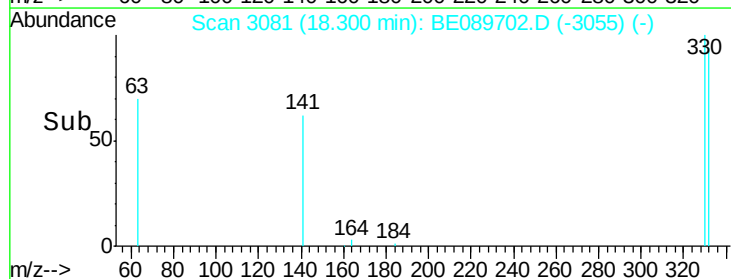
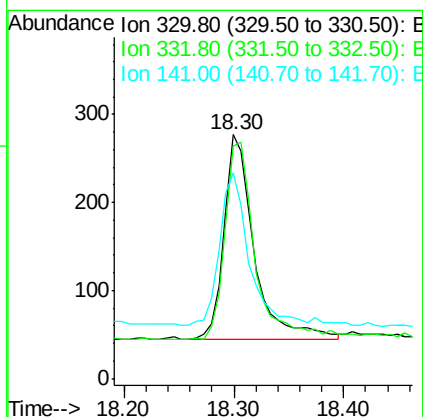
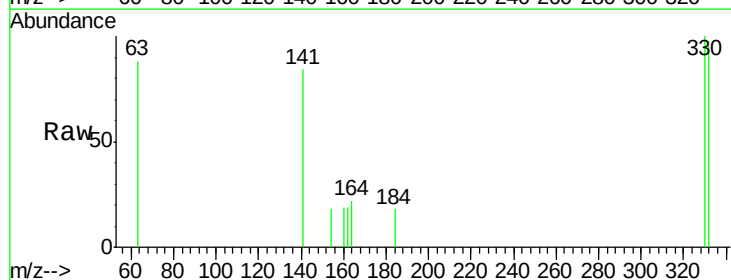
Tgt Ion:330 Resp: 447

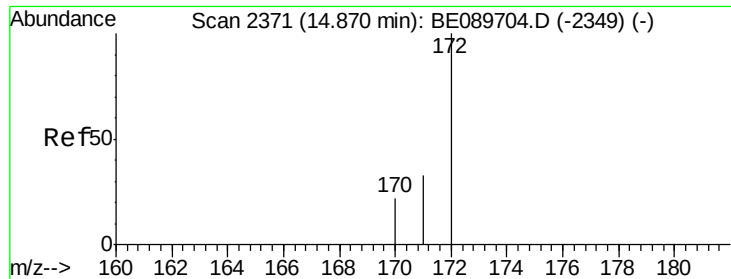
Ion Ratio Lower Upper

330 100

332 99.6 0.0 0.0#

141 72.5 0.0 0.0#

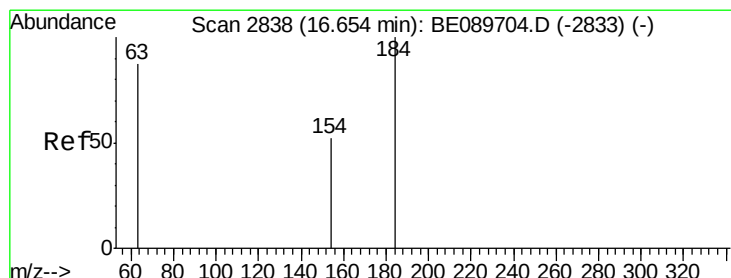
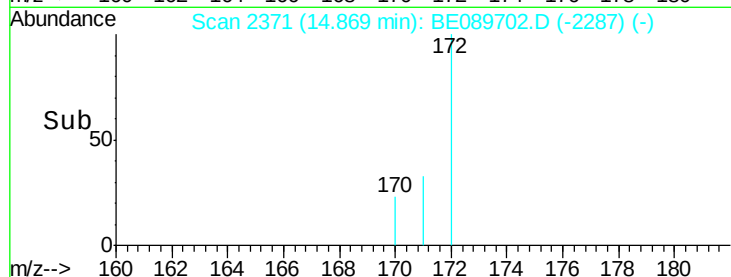
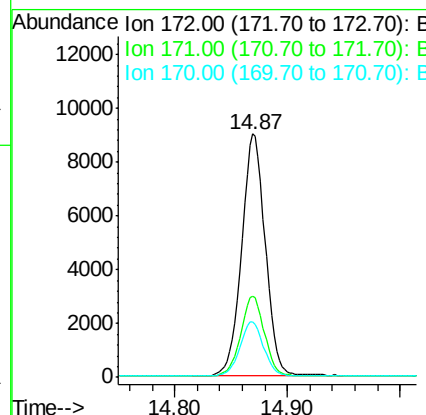
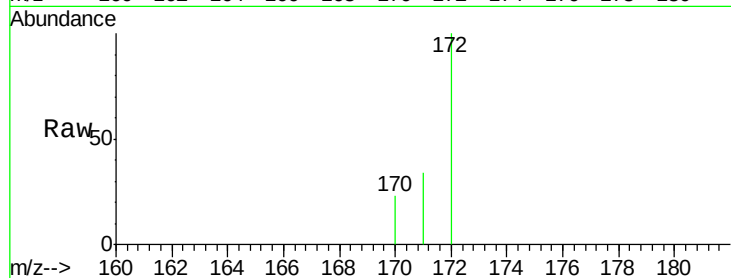




#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 14.87 min Scan# 2371
Delta R.T. -0.00 min
Lab File: BE089702.D
Acq: 26 Feb 2015 22:47

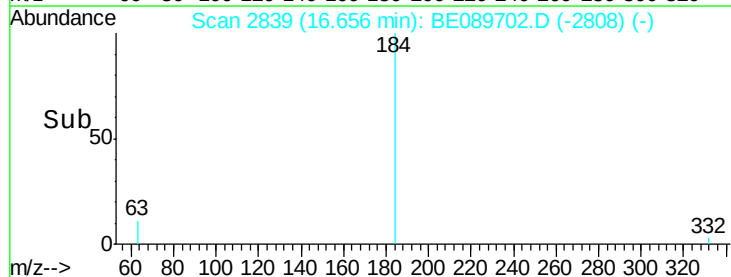
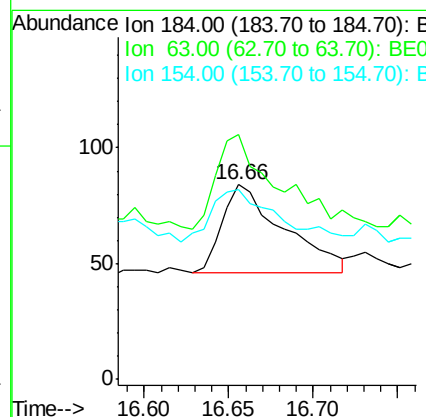
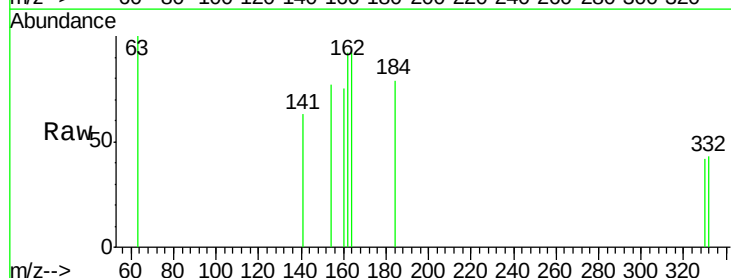
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

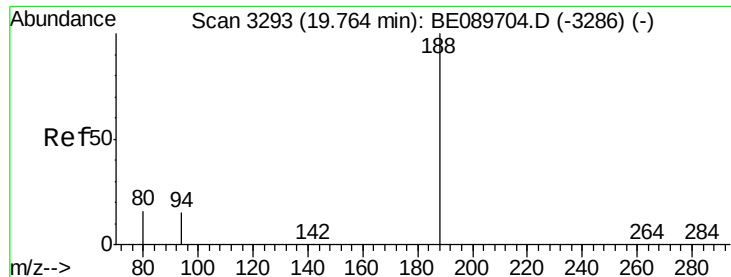
Tgt Ion:172 Resp: 13117
Ion Ratio Lower Upper
172 100
171 33.5 26.8 40.2
170 23.0 18.0 27.0



#16
2,4-Dinitrophenol
Concen: 0.72 ng
RT: 16.66 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BE089702.D
Acq: 26 Feb 2015 22:47

Tgt Ion:184 Resp: 96
Ion Ratio Lower Upper
184 100
63 126.2 82.4 123.6#
154 97.6 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: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

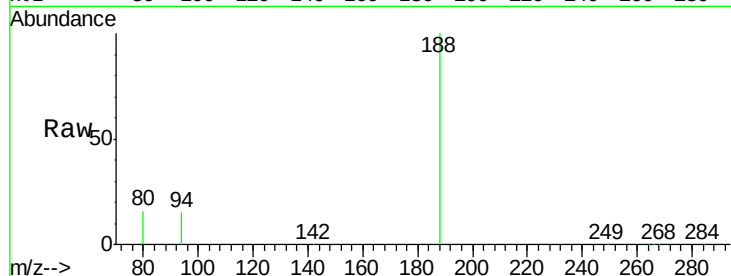
Tgt Ion:188 Resp: 210524

Ion Ratio Lower Upper

188 100

94 15.1 12.1 18.1

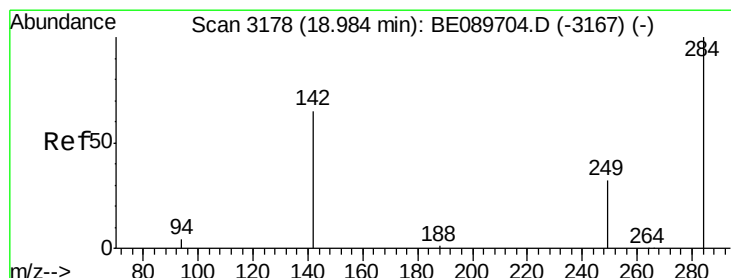
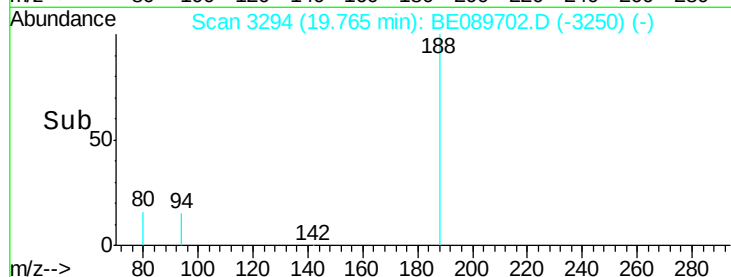
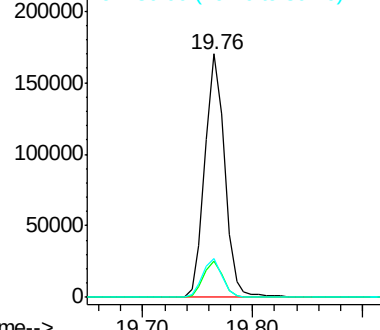
80 16.0 12.7 19.1



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: 0.31 ng

RT: 18.98 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

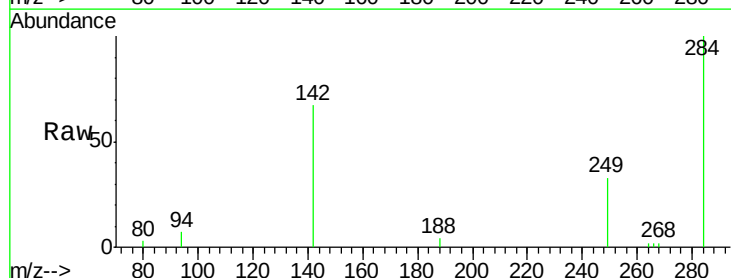
Tgt Ion:284 Resp: 2882

Ion Ratio Lower Upper

284 100

142 67.1 52.2 78.4

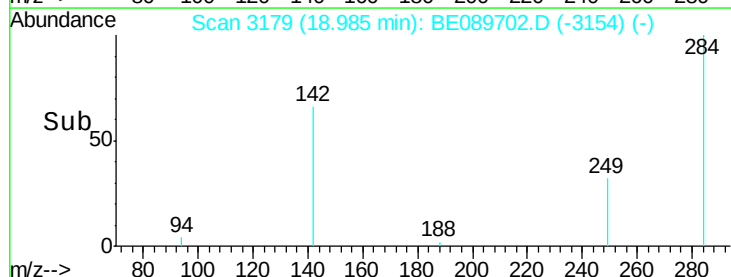
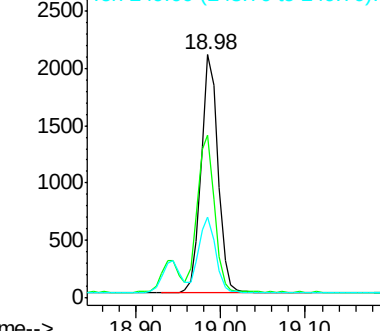
249 33.4 26.4 39.6

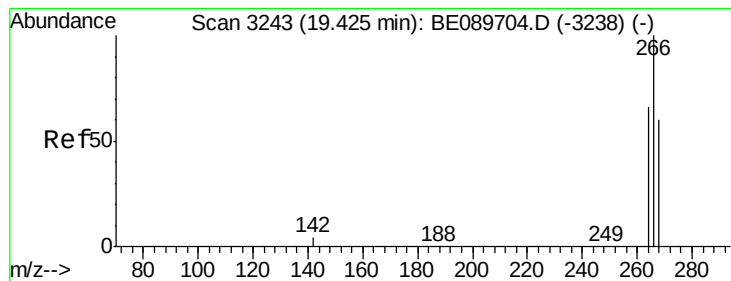


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#19

Pentachlorophenol

Concen: 0.40 ng

RT: 19.43 min Scan# 3245

Delta R.T. 0.01 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

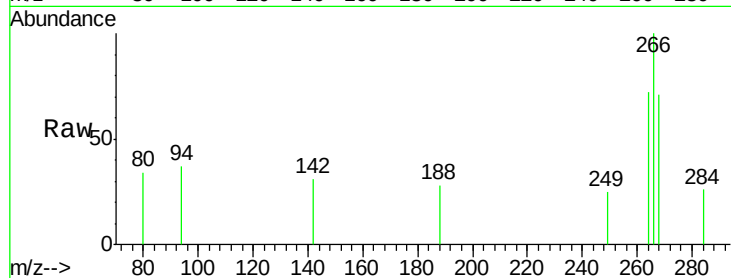
Tgt Ion:266 Resp: 287

Ion Ratio Lower Upper

266 100

268 71.4 51.4 77.2

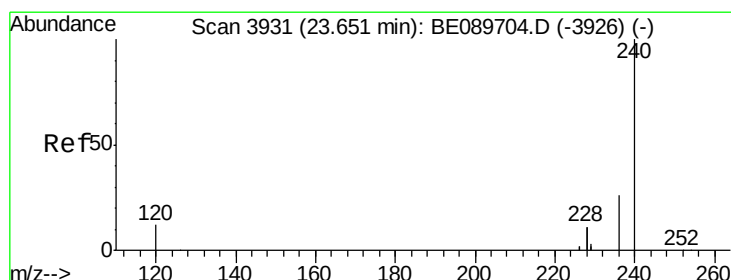
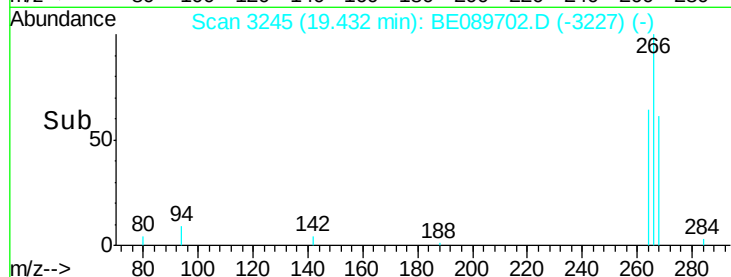
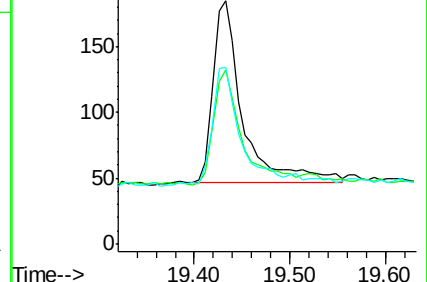
264 72.4 55.8 83.8



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



#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.65 min Scan# 3931

Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

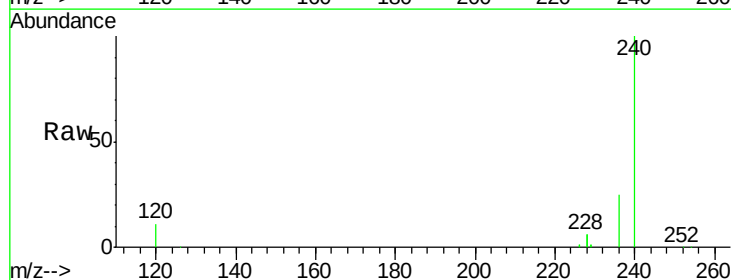
Tgt Ion:240 Resp: 170496

Ion Ratio Lower Upper

240 100

120 10.9 9.9 14.9

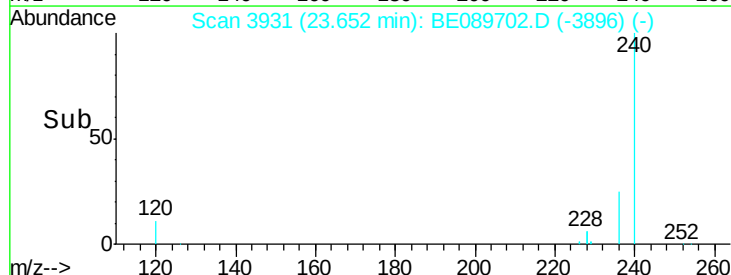
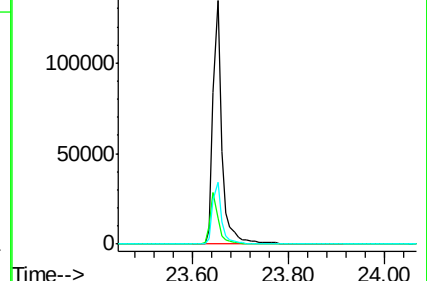
236 25.4 21.0 31.6

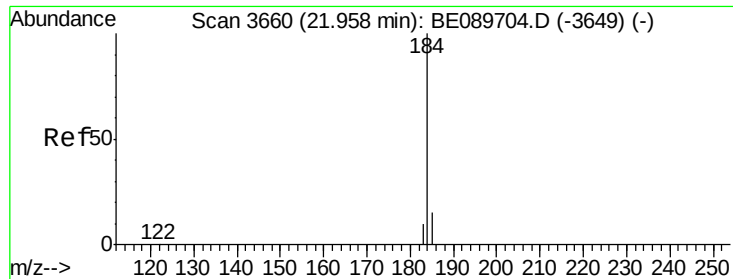


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 0.20 ng

RT: 21.96 min Scan# 3660

Delta R.T. -0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

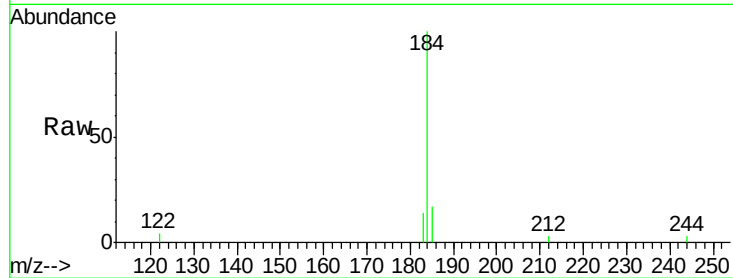
Tgt Ion:184 Resp: 2581

Ion Ratio Lower Upper

184 100

185 17.1 12.8 19.2

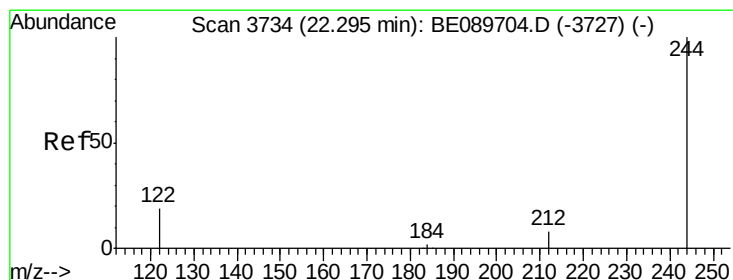
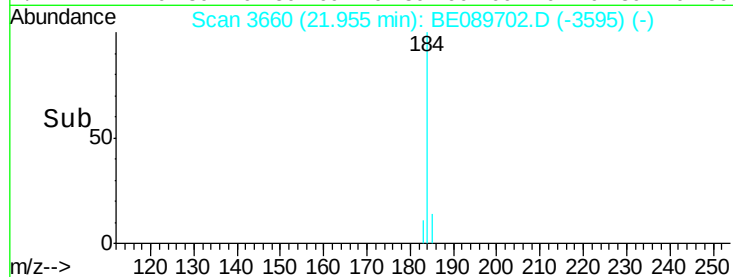
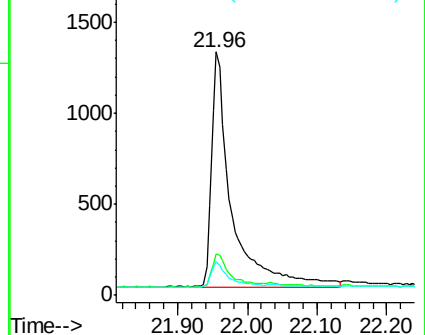
183 13.9 8.8 13.2#



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: 0.56 ng

RT: 22.30 min Scan# 3735

Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

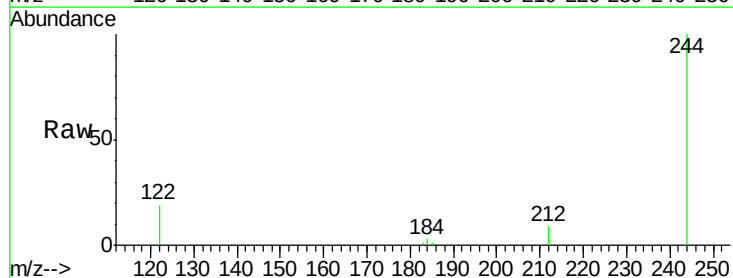
Tgt Ion:244 Resp: 10605

Ion Ratio Lower Upper

244 100

212 8.6 6.7 10.1

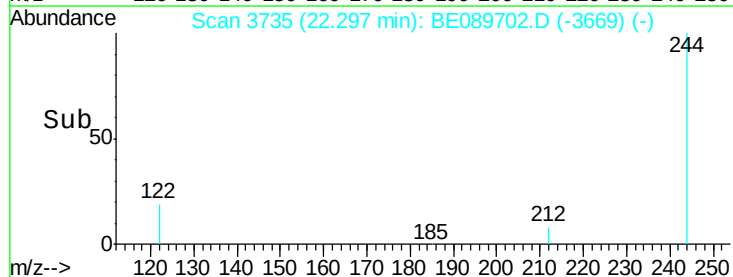
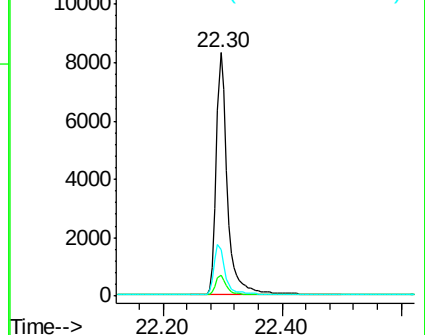
122 19.2 15.7 23.5

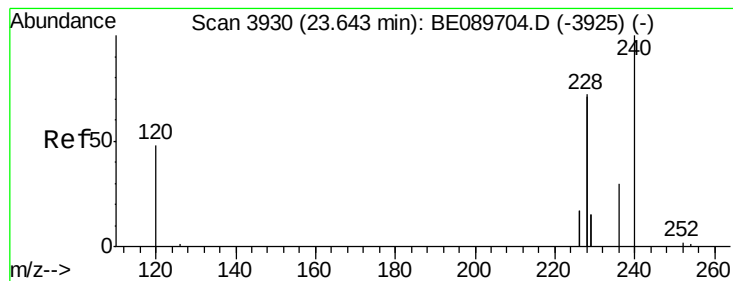


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 0.39 ng

RT: 23.64 min Scan# 3930

Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

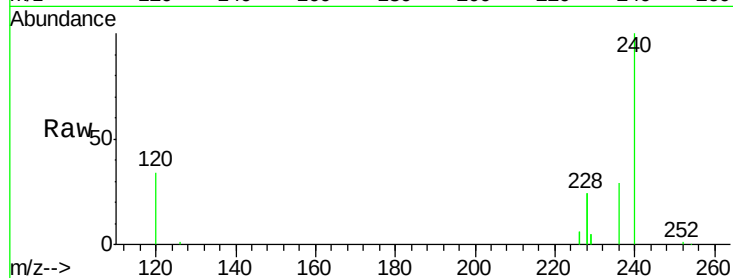
Tgt Ion:228 Resp: 60017

Ion Ratio Lower Upper

228 100

226 23.4 19.3 28.9

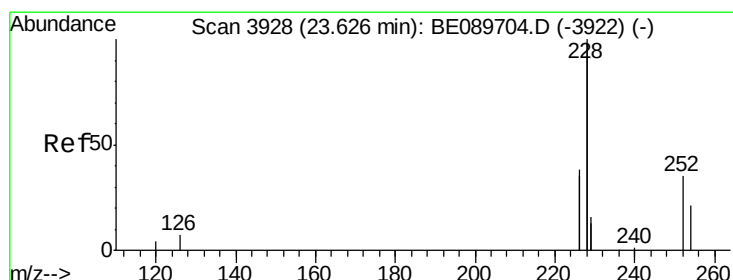
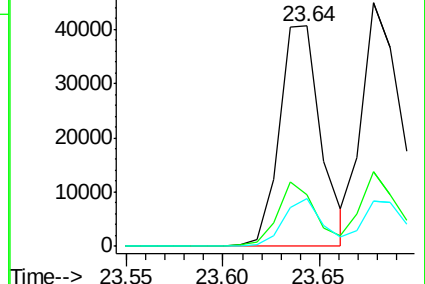
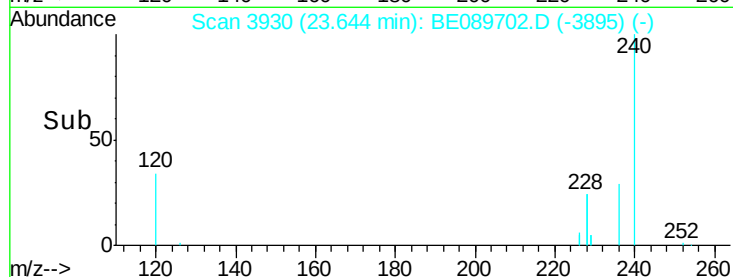
229 22.0 16.6 25.0



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: 0.47 ng

RT: 23.63 min Scan# 3928

Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

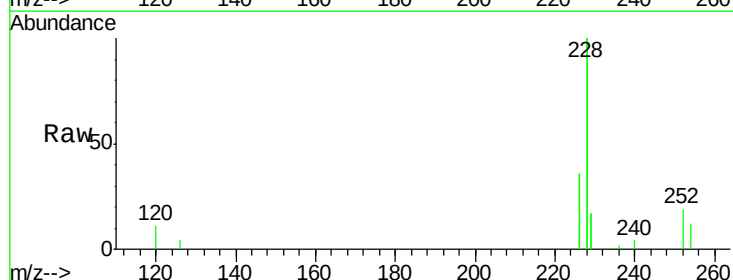
Tgt Ion:252 Resp: 2182

Ion Ratio Lower Upper

252 100

254 62.8 49.4 74.2

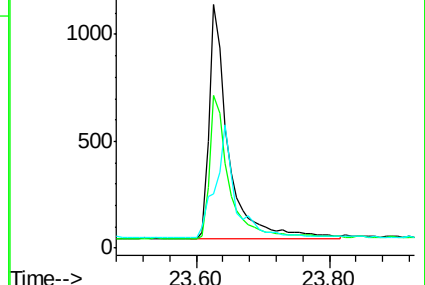
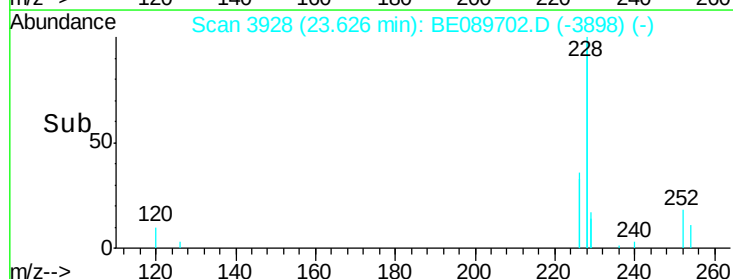
126 22.5 17.4 26.2

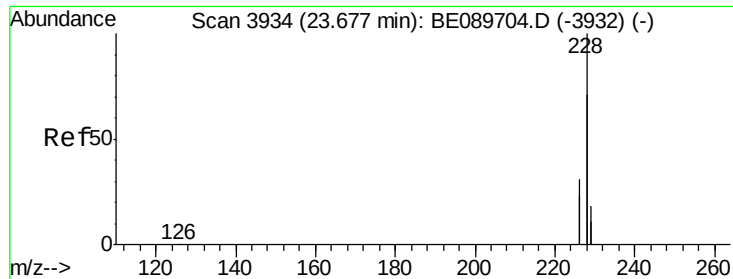


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.42 ng

RT: 23.68 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

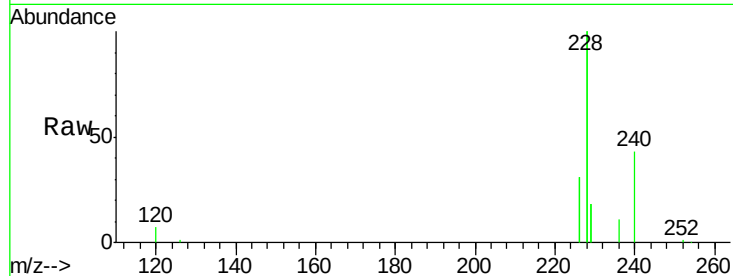
Tgt Ion:228 Resp: 79382

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

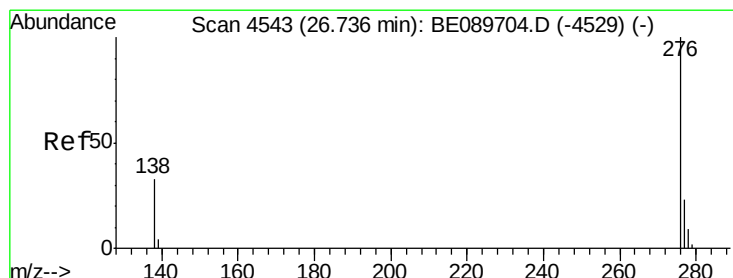
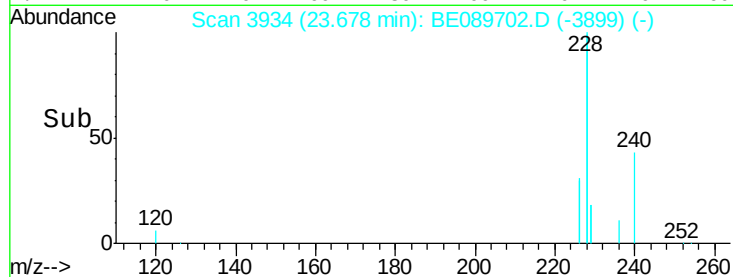
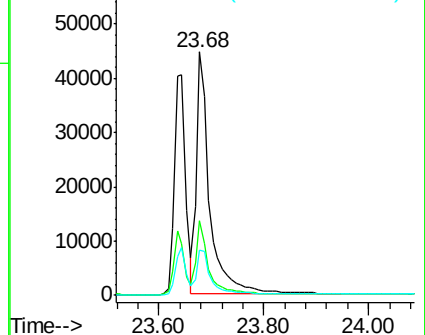
229 18.3 14.4 21.6



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: 0.37 ng

RT: 26.73 min Scan# 4542

Delta R.T. -0.01 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

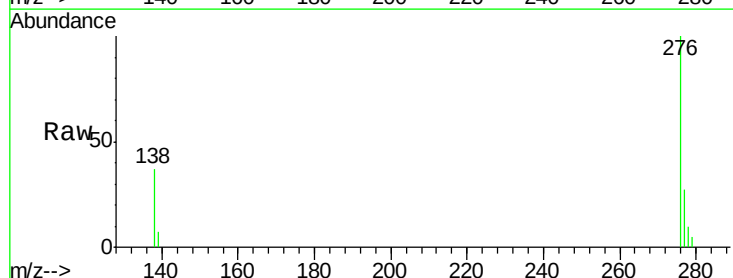
Tgt Ion:276 Resp: 7504

Ion Ratio Lower Upper

276 100

138 0.0 29.8 44.6#

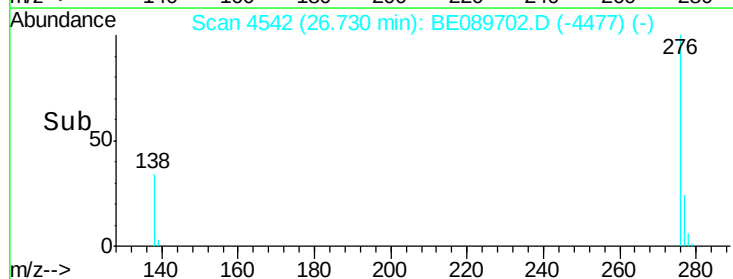
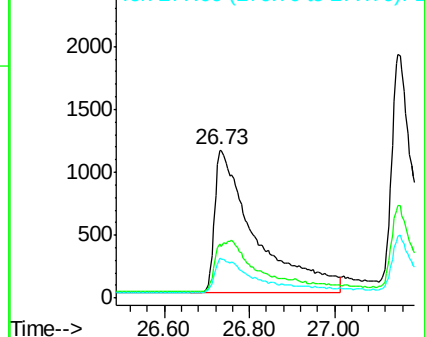
277 19.6 19.8 29.6#

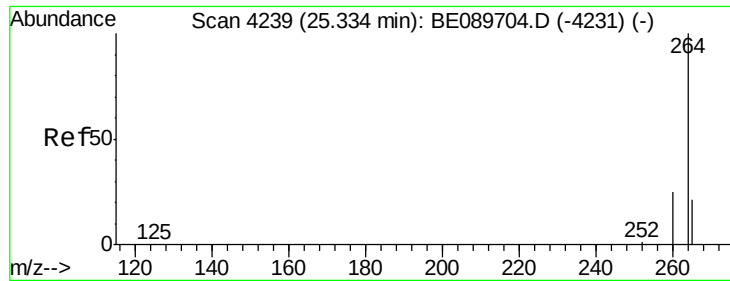


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

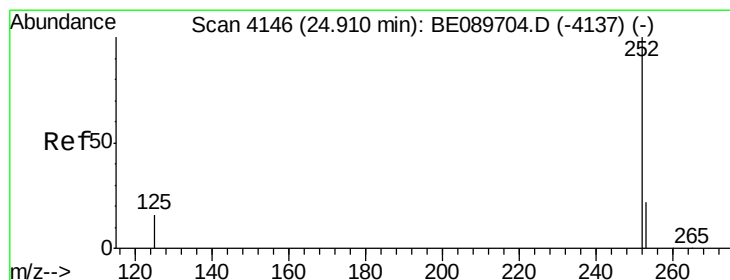
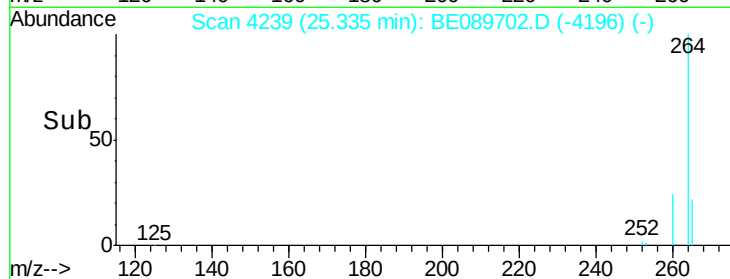
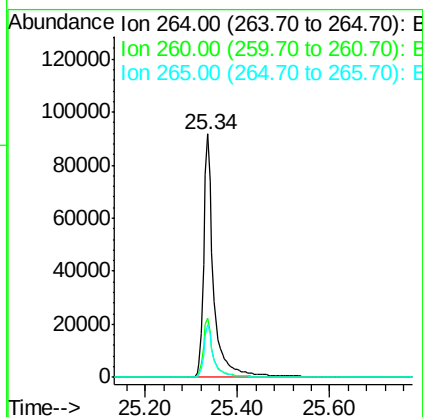
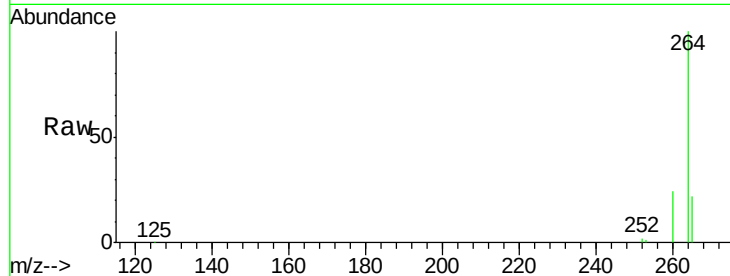




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4239
 Delta R.T. 0.00 min
 Lab File: BE089702.D
 Acq: 26 Feb 2015 22:47

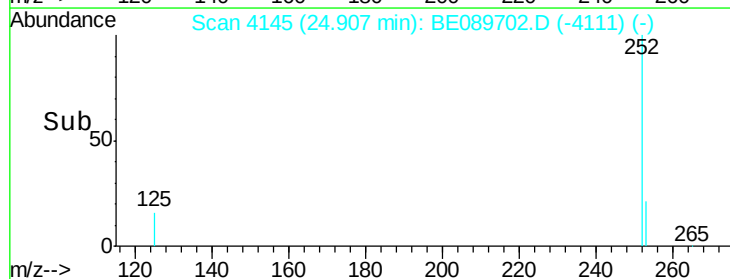
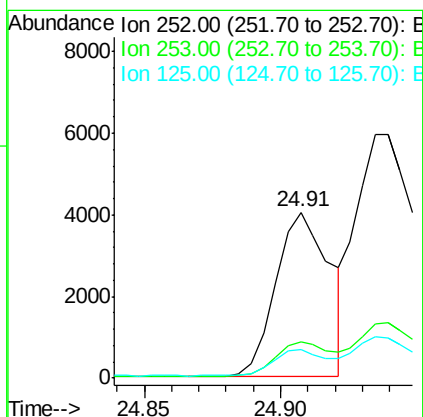
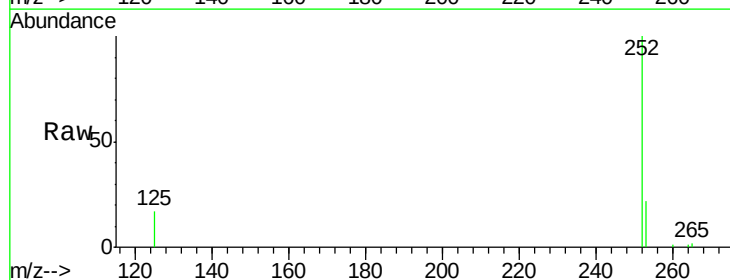
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

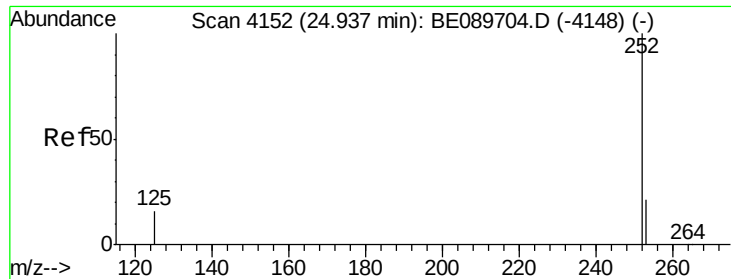
Tgt Ion: 264 Resp: 136911
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.2 30.2
 265 21.6 16.9 25.3



#28
Benzo(b)fluoranthene
 Concen: 0.46 ng
 RT: 24.91 min Scan# 4145
 Delta R.T. -0.00 min
 Lab File: BE089702.D
 Acq: 26 Feb 2015 22:47

Tgt Ion: 252 Resp: 5528
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.8 26.6
 125 17.1 12.9 19.3





#29

Benzo(k)fluoranthene

Concen: 0.44 ng

RT: 24.94 min Scan# 4152

Delta R.T. 0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

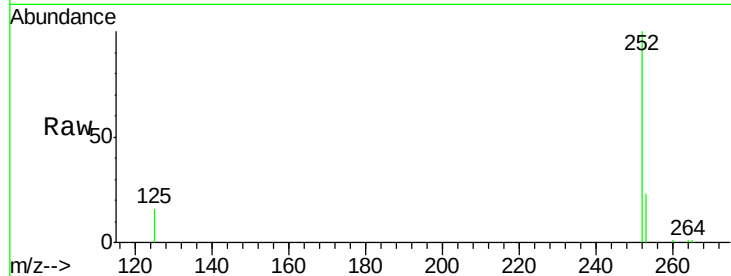
Tgt Ion:252 Resp: 16715

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

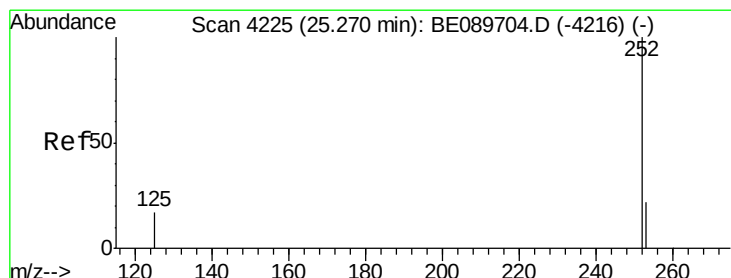
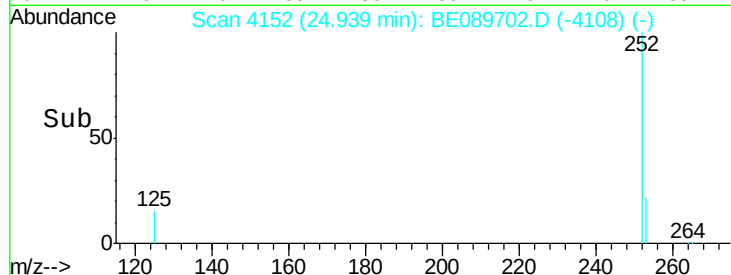
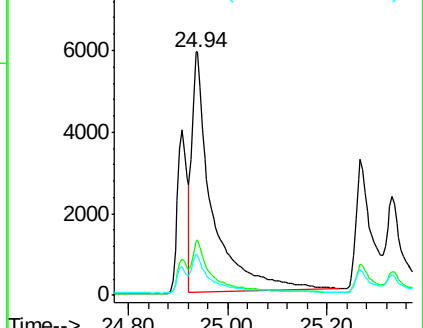
125 16.3 12.9 19.3



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: 0.53 ng

RT: 25.27 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BE089702.D

Acq: 26 Feb 2015 22:47

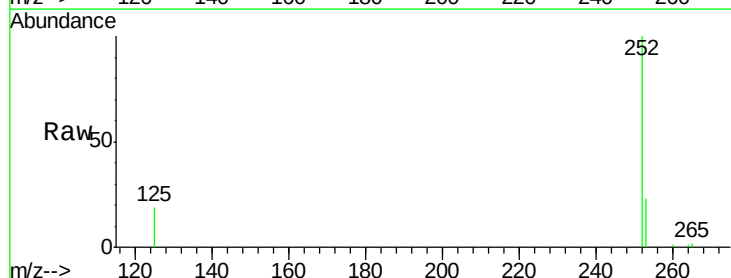
Tgt Ion:252 Resp: 6150

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

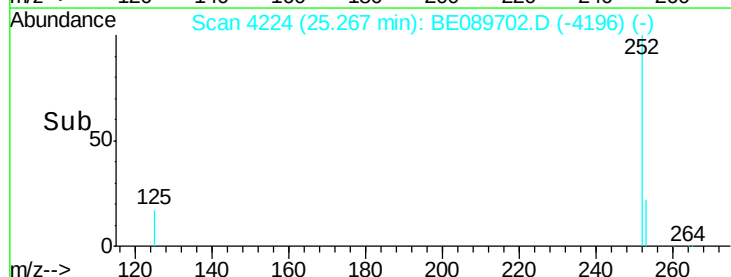
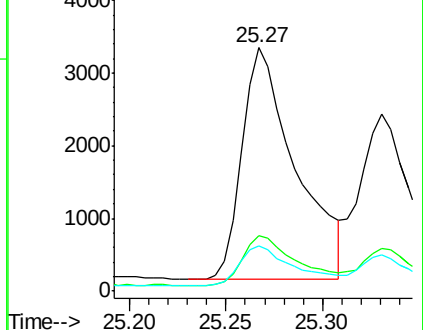
125 18.8 14.0 21.0

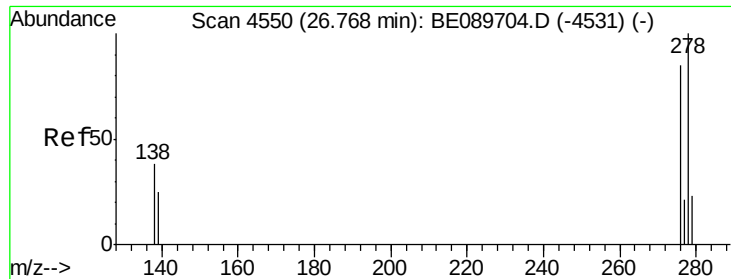


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 0.52 ng

RT: 26.77 min Scan# 4550

Delta R.T. -0.00 min

Lab File: BE089702.D

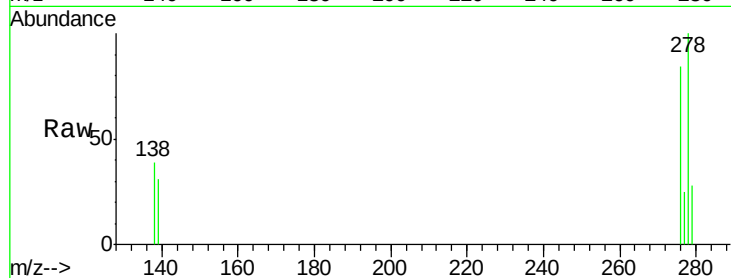
Acq: 26 Feb 2015 22:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5



Tgt Ion: 278 Resp: 5048

Ion Ratio Lower Upper

278 100

139 30.8 21.1 31.7

279 27.6 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

