

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089707.D
 Acq On : 27 Feb 2015 2:04
 Operator : TP/JJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Quant Time: Feb 27 13:52:47 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	9.34	152	55521	5.00	ng	0.00
7) Naphthalene-d8	12.24	136	240066	5.00	ng	0.00
13) Acenaphthene-d10	16.41	164	110786	5.00	ng	0.00
17) Phenanthrene-d10	19.76	188	198291	5.00	ng	0.00
20) Chrysene-d12	23.65	240	176997	5.00	ng	0.00
27) Perylene-d12	25.33	264	140370	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.49	112	149974	8.83	ng	0.00
4) Phenol-d6	8.62	99	200096	9.52	ng	0.00
8) Nitrobenzene-d5	10.60	82	150905	9.23	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	19521	8.47	ng	0.00
15) 2-Fluorobiphenyl	14.87	172	248036	7.61	ng	0.00
22) Terphenyl-d14	22.30	244	229716	11.78	ng	0.00

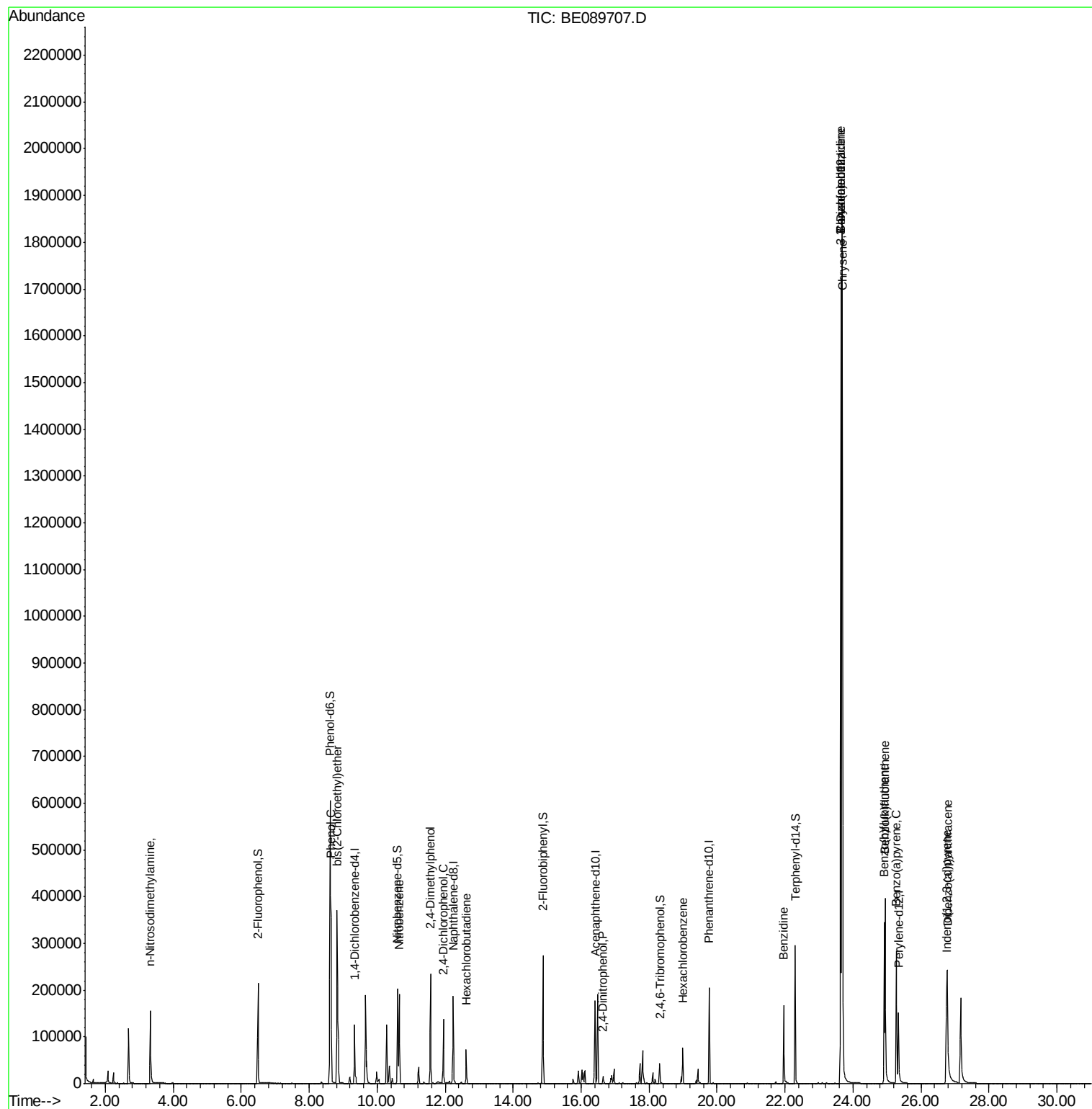
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.32	42	95983	10.67	ng	# 78
5) Phenol	8.64	94	214965	9.60	ng	# 59
6) bis(2-Chloroethyl)ether	8.82	93	162621	9.73	ng	# 100
9) Nitrobenzene	10.65	77	173523	9.37	ng	97
10) 2,4-Dimethylphenol	11.57	122	129042	9.11	ng	94
11) 2,4-Dichlorophenol	11.95	162	99848	9.24	ng	98
12) Hexachlorobutadiene	12.62	225	46433	6.13	ng	100
16) 2,4-Dinitrophenol	16.65	184	8846	7.29	ng	# 82
18) Hexachlorobenzene	18.99	284	53672	6.19	ng	89
21) Benzidine	21.96	184	177944	12.96	ng	98
23) Benzo(a)anthracene	23.64	228	1484494	9.35	ng	99
24) 3,3'-Dichlorobenzidine	23.63	252	117507	6.30	ng	# 96
25) Chrysene	23.69	228	1512455	7.77	ng	93
26) Indeno(1,2,3-cd)pyrene	26.74	276	310795	4.72	ng	96
28) Benzo(b)fluoranthene	24.91	252	266124	10.64	ng	100
29) Benzo(k)fluoranthene	24.94	252	388923	9.93	ng	99
30) Benzo(a)pyrene	25.27	252	267664	8.00	ng	99
31) Dibenzo(a,h)anthracene	26.77	278	245058	6.74	ng	99

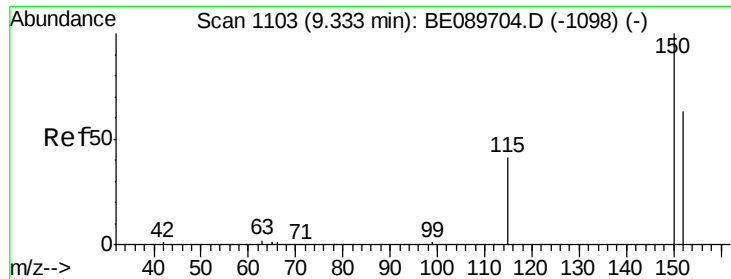
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1104

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

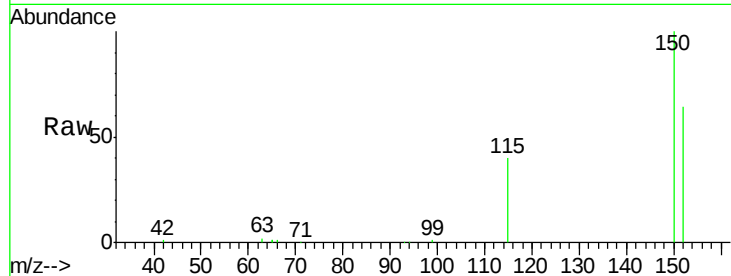
Tgt Ion:152 Resp: 55521

Ion Ratio Lower Upper

152 100

150 155.2 127.3 190.9

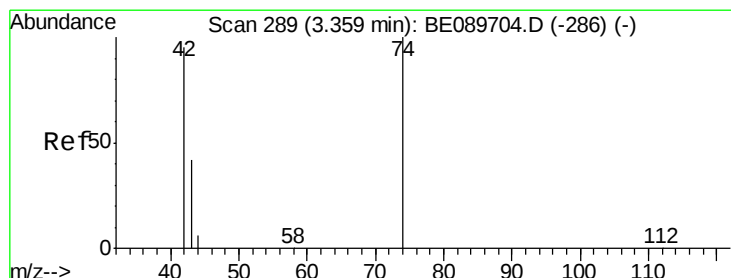
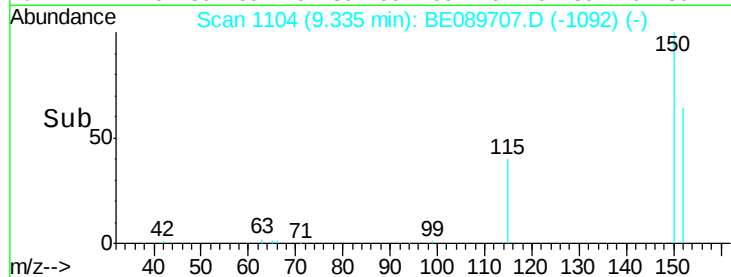
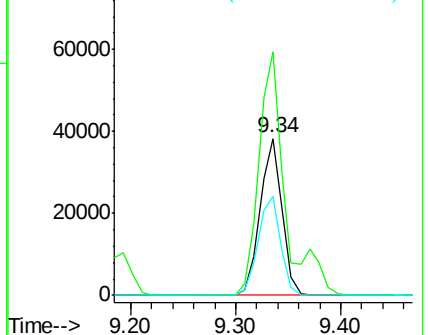
115 62.8 52.0 78.0



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: 10.67 ng

RT: 3.32 min Scan# 283

Delta R.T. -0.04 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

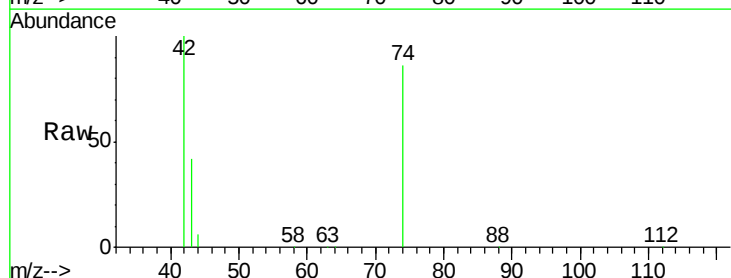
Tgt Ion: 42 Resp: 95983

Ion Ratio Lower Upper

42 100

74 85.6 83.8 125.8

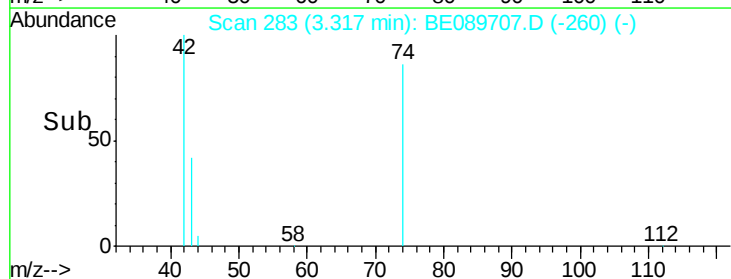
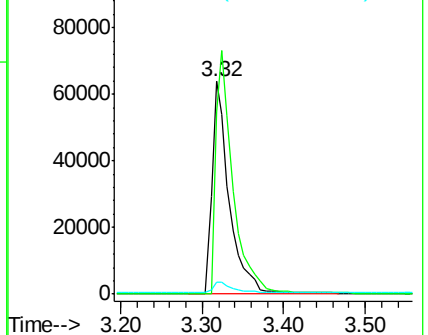
44 5.9 19.0 28.6#

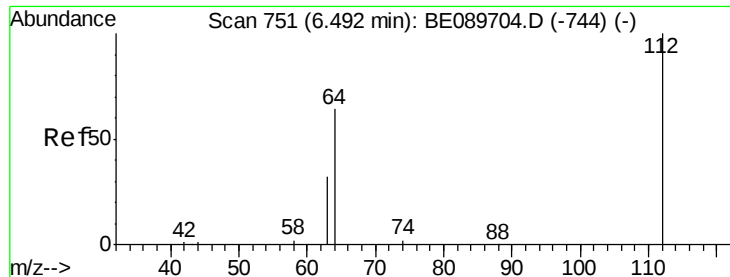


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

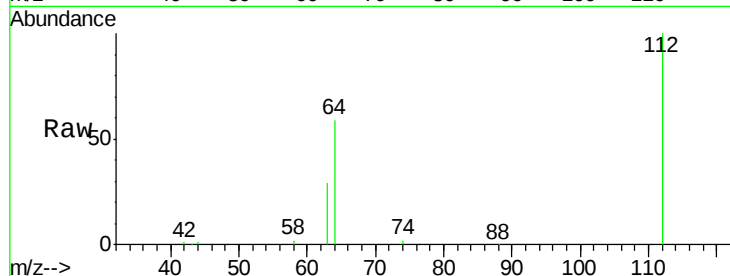




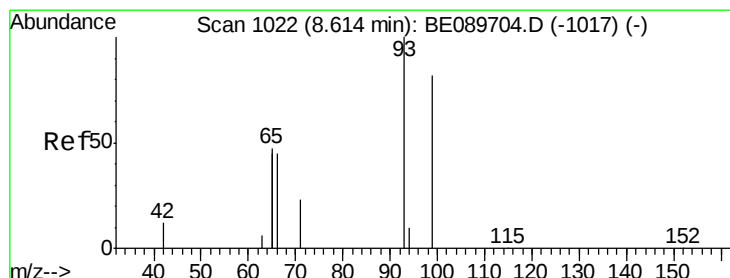
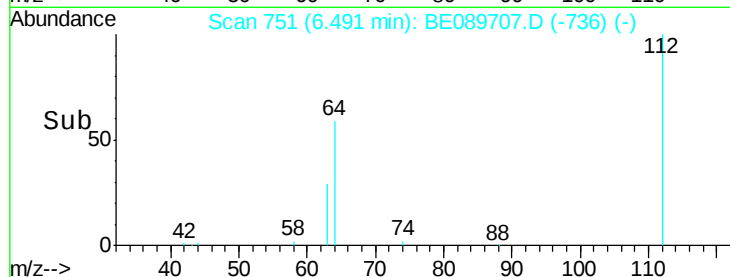
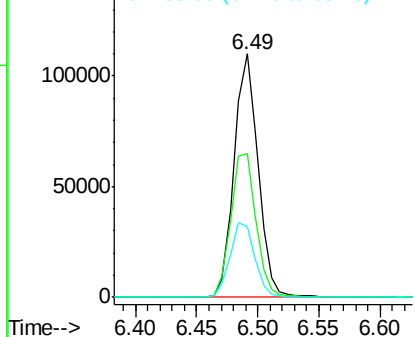
#3
 2-Fluorophenol
 Concen: 8.83 ng
 RT: 6.49 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BE089707.D
 Acq: 27 Feb 2015 2:04

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion: 112 Resp: 149974
 Ion Ratio Lower Upper
 112 100
 64 59.3 51.3 76.9
 63 29.2 26.2 39.2

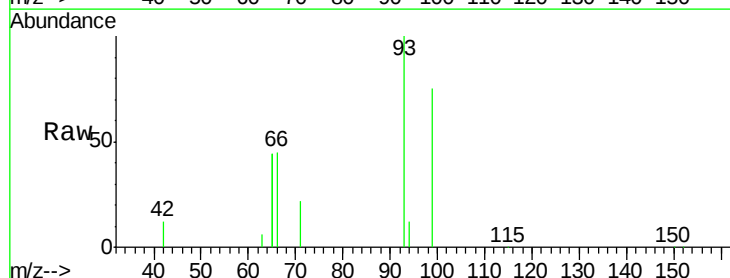


Abundance Ion 112.00 (111.70 to 112.70): BE0
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0

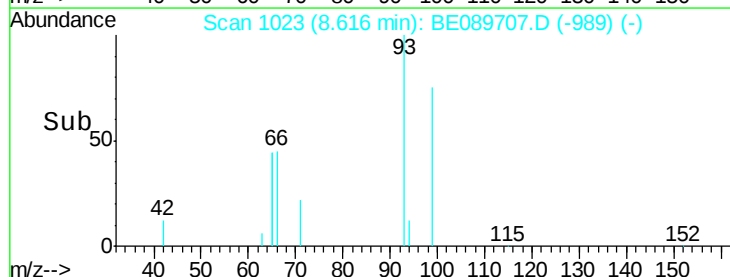
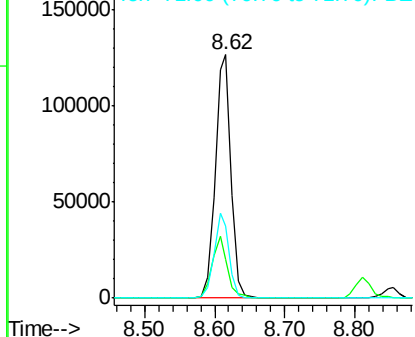


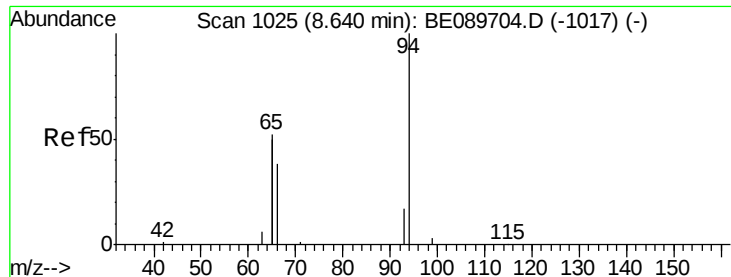
#4
 Phenol-d6
 Concen: 9.52 ng
 RT: 8.62 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: BE089707.D
 Acq: 27 Feb 2015 2:04

Tgt Ion: 99 Resp: 200096
 Ion Ratio Lower Upper
 99 100
 42 16.0 12.3 18.5
 71 29.8 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: 9.60 ng

RT: 8.64 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

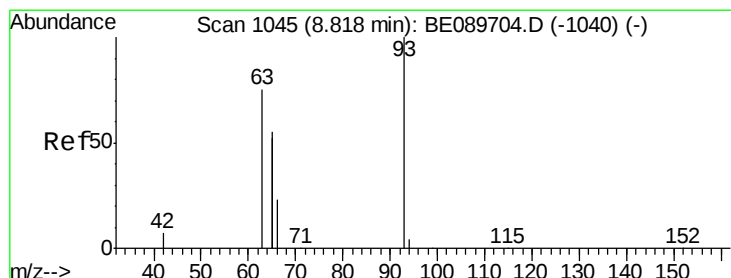
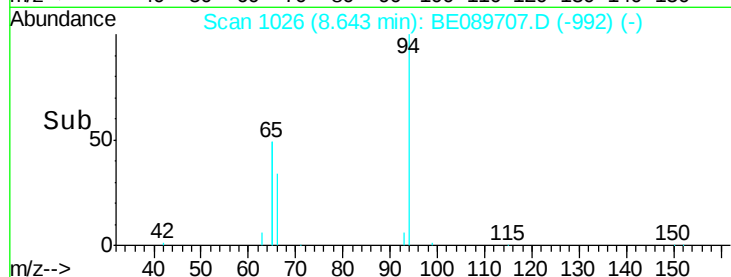
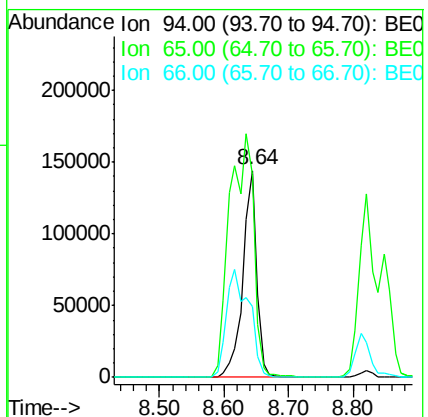
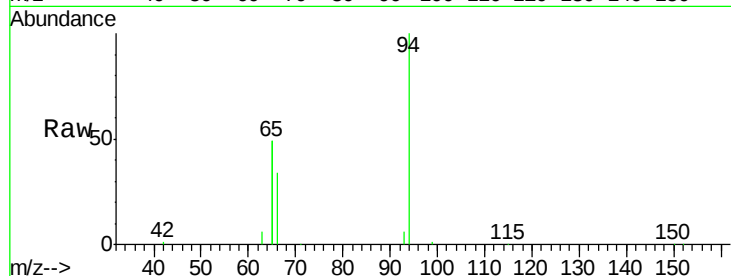
Tgt Ion: 94 Resp: 214965

Ion Ratio Lower Upper

94 100

65 98.0 31.7 71.7#

66 34.4 17.9 57.9



#6

bis(2-Chloroethyl)ether

Concen: 9.73 ng

RT: 8.82 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

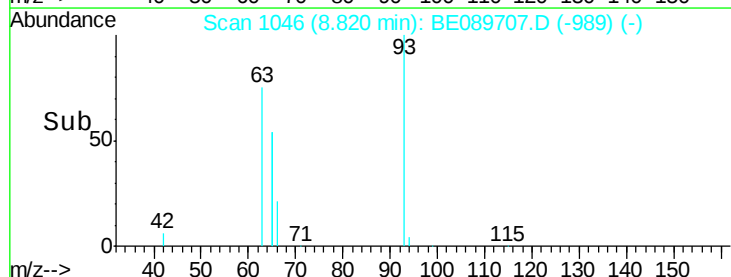
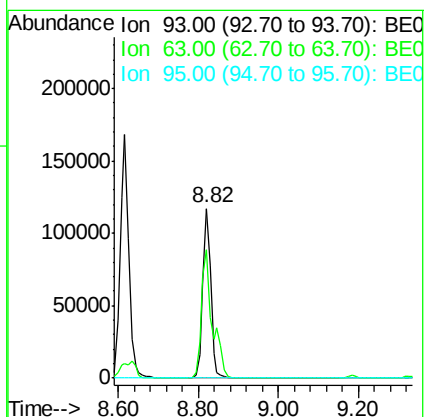
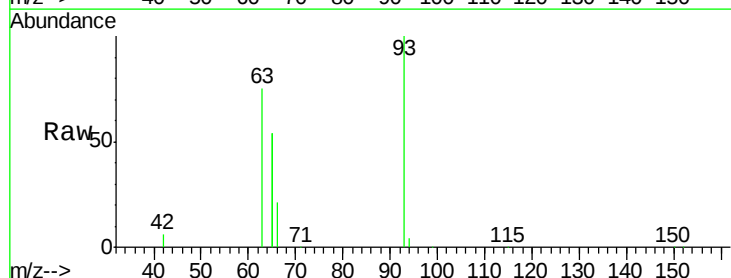
Tgt Ion: 93 Resp: 162621

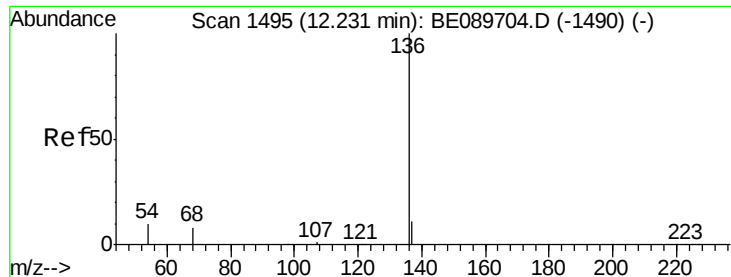
Ion Ratio Lower Upper

93 100

63 104.7 83.8 125.8

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.24 min Scan# 1497

Delta R.T. 0.01 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

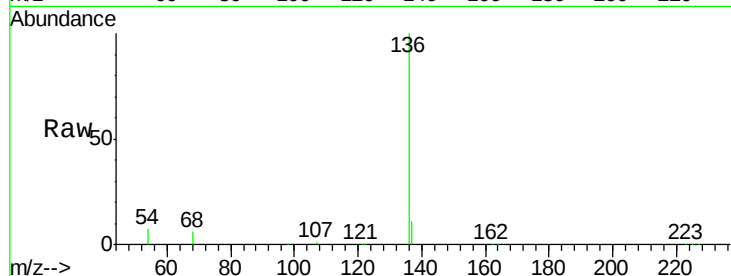
Tgt Ion: 136 Resp: 240066

Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

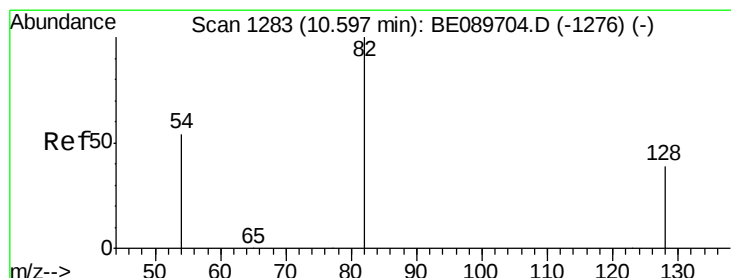
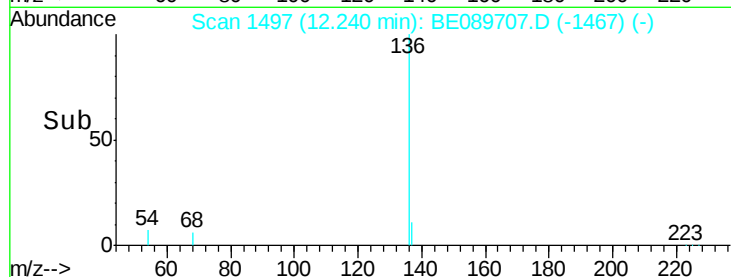
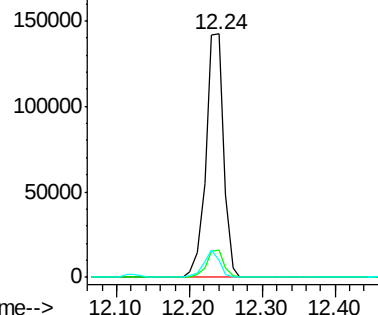
54 6.9 8.1 12.1#



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: 9.23 ng

RT: 10.60 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

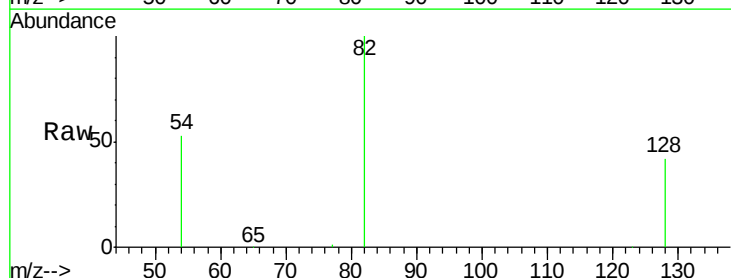
Tgt Ion: 82 Resp: 150905

Ion Ratio Lower Upper

82 100

128 41.6 31.4 47.2

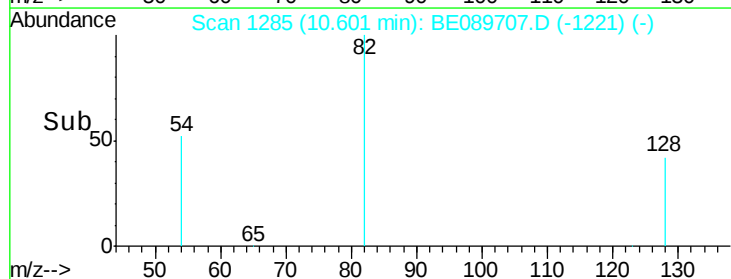
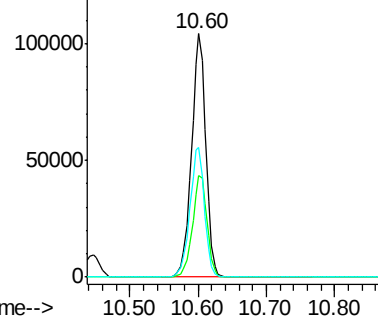
54 53.1 43.8 65.8

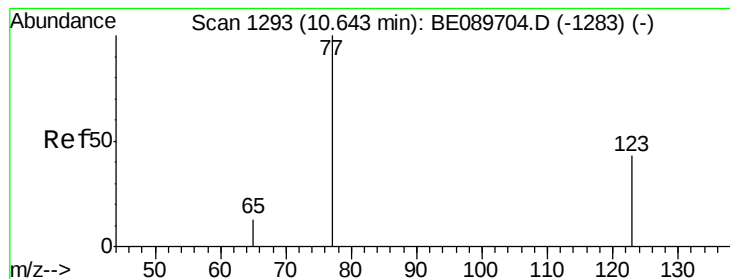


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 9.37 ng

RT: 10.65 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

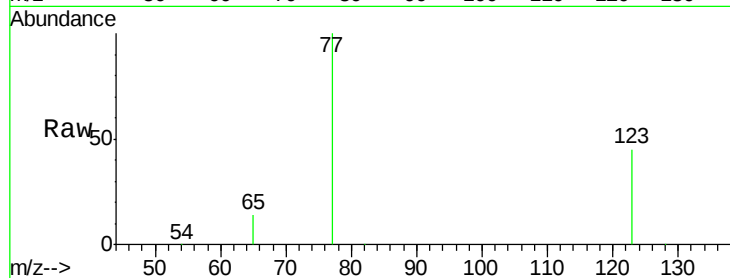
Tgt Ion: 77 Resp: 173523

Ion Ratio Lower Upper

77 100

123 43.7 33.2 49.8

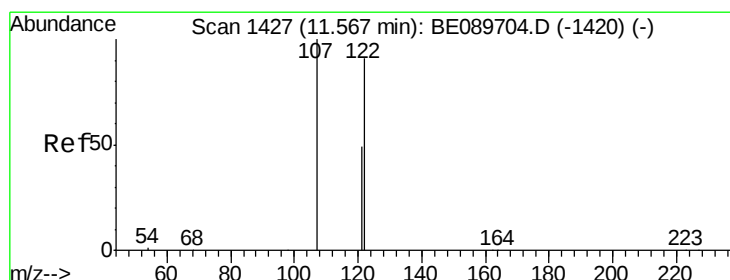
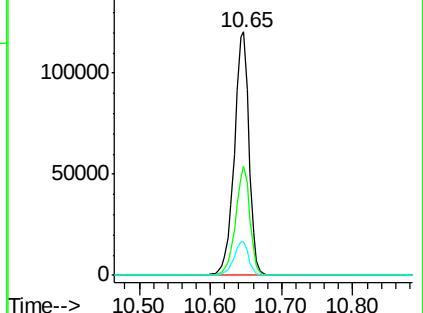
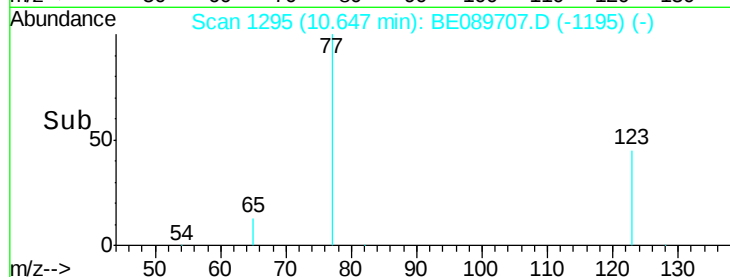
65 14.0 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BE089707.D (-1195) (-)

Ion 123.00 (122.70 to 123.70): BE089707.D (-1195) (-)

Ion 65.00 (64.70 to 65.70): BE089707.D (-1195) (-)



#10

2,4-Dimethylphenol

Concen: 9.11 ng

RT: 11.57 min Scan# 1428

Delta R.T. -0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

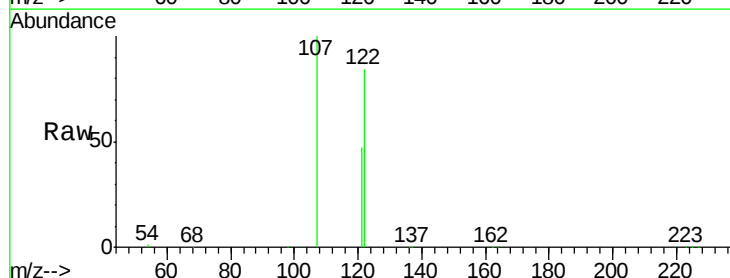
Tgt Ion: 122 Resp: 129042

Ion Ratio Lower Upper

122 100

107 118.4 87.6 131.4

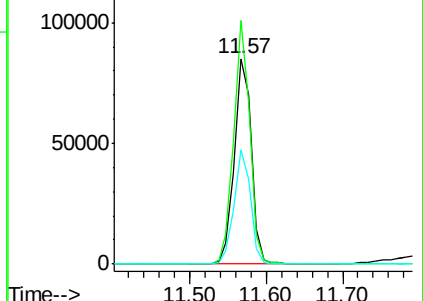
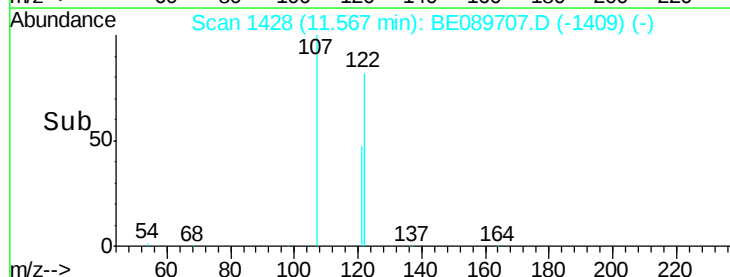
121 55.5 43.4 65.2

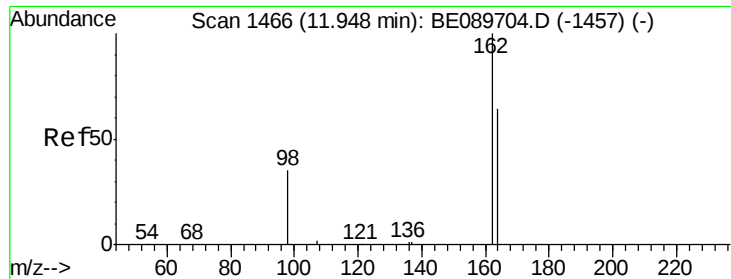


Abundance Ion 122.00 (121.70 to 122.70): BE089707.D (-1409) (-)

Ion 107.00 (106.70 to 107.70): BE089707.D (-1409) (-)

Ion 121.00 (120.70 to 121.70): BE089707.D (-1409) (-)

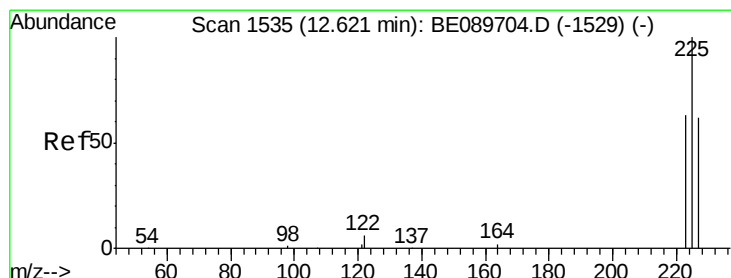
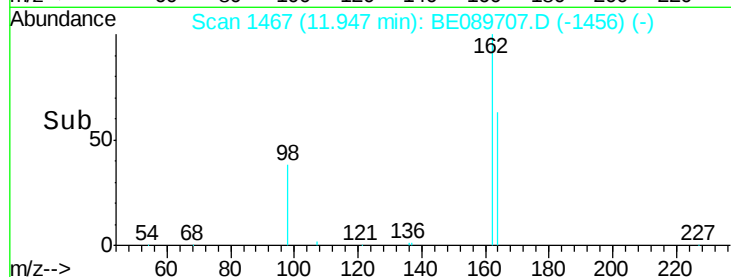
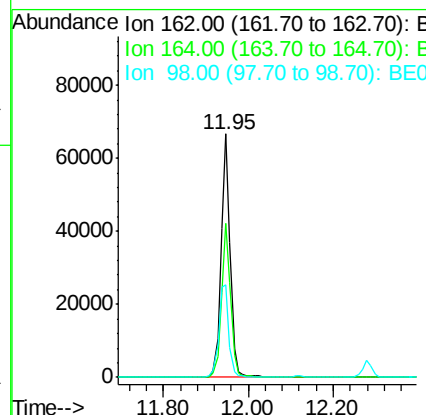
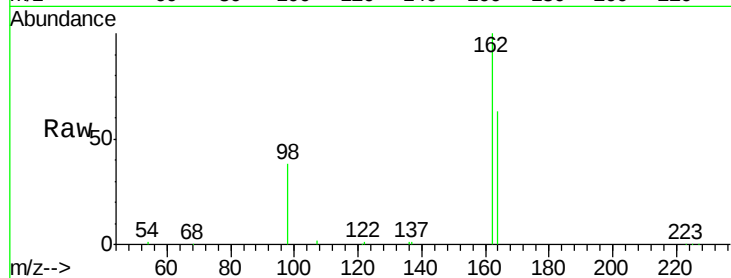




#11
 2,4-Dichlorophenol
 Concen: 9.24 ng
 RT: 11.95 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BE089707.D
 Acq: 27 Feb 2015 2:04

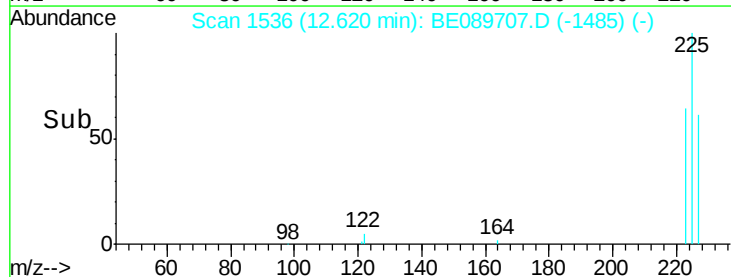
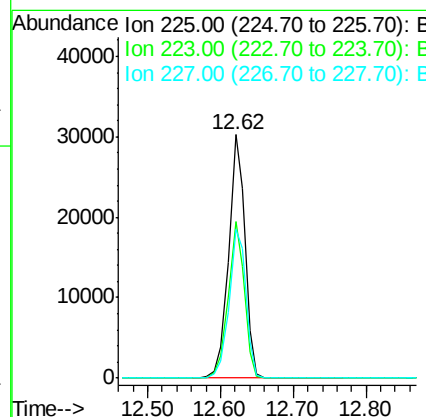
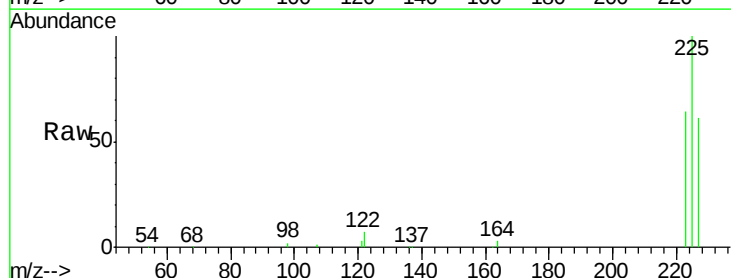
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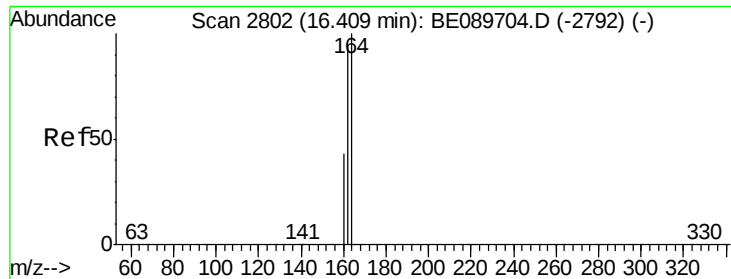
Tgt Ion:162 Resp: 99848
 Ion Ratio Lower Upper
 162 100
 164 63.4 43.9 83.9
 98 38.0 15.7 55.7



#12
 Hexachlorobutadiene
 Concen: 6.13 ng
 RT: 12.62 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: BE089707.D
 Acq: 27 Feb 2015 2:04

Tgt Ion:225 Resp: 46433
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.6 75.8
 227 63.3 50.8 76.2





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.41 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

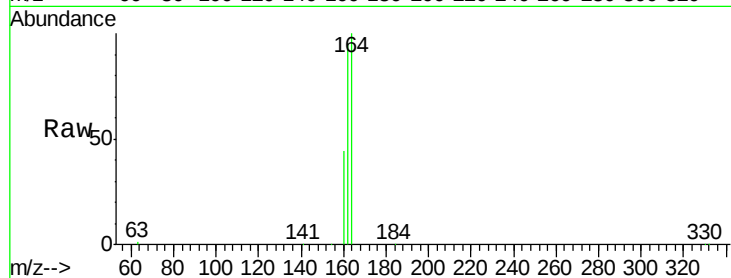
Tgt Ion:164 Resp: 110786

Ion Ratio Lower Upper

164 100

162 95.2 75.0 112.6

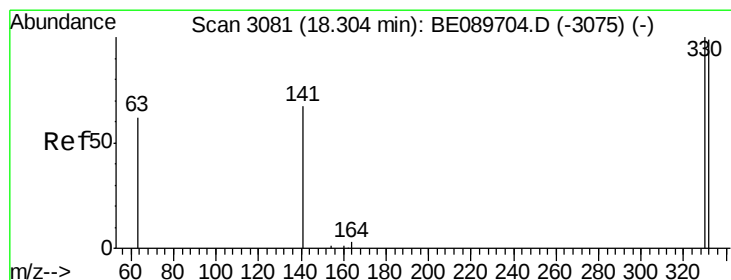
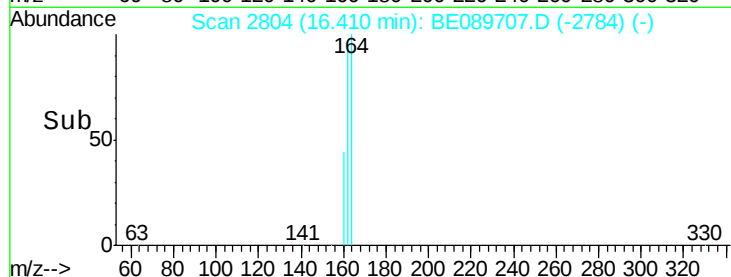
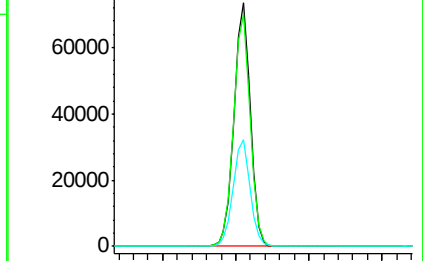
160 43.9 34.3 51.5



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: 8.47 ng

RT: 18.31 min Scan# 3083

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

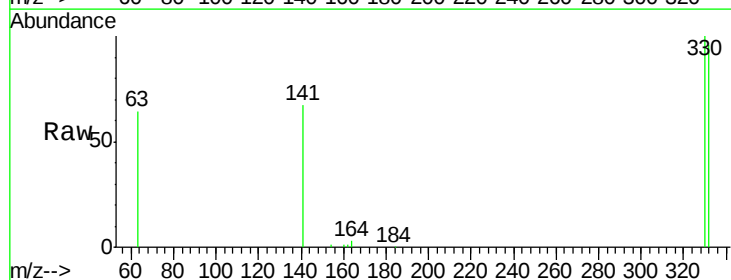
Tgt Ion:330 Resp: 19521

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

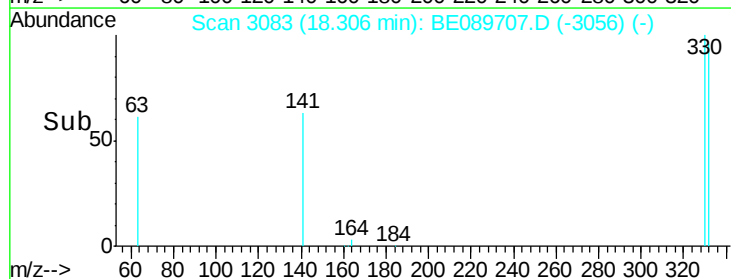
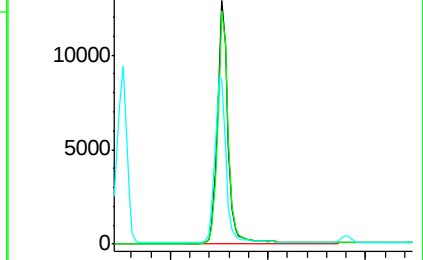
141 72.3 0.0 0.0#

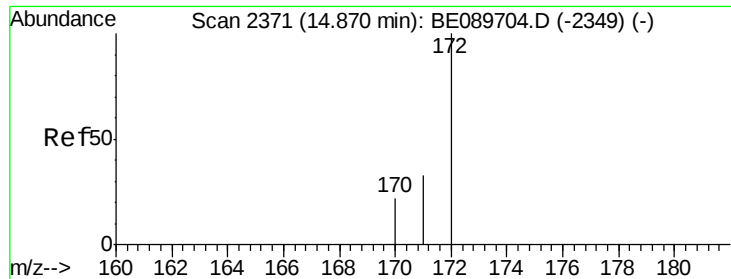


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

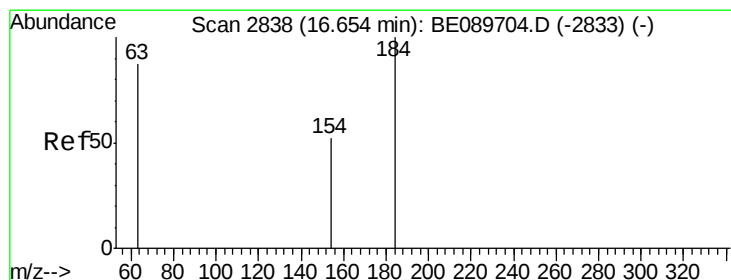
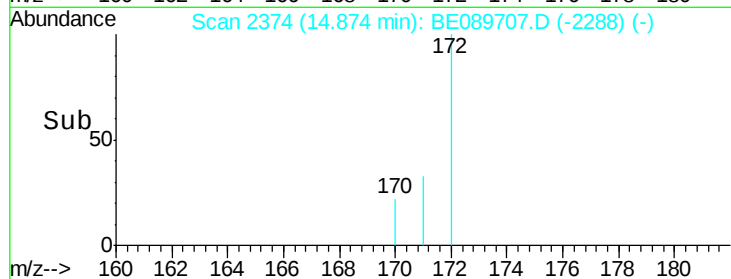
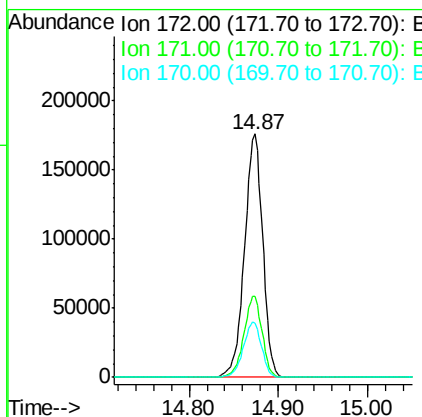
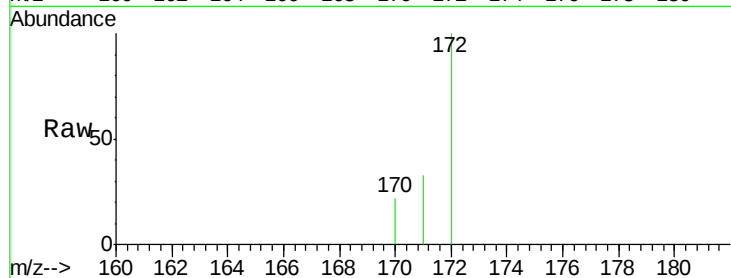




#15
2-Fluorobiphenyl
Concen: 7.61 ng
RT: 14.87 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BE089707.D
Acq: 27 Feb 2015 2:04

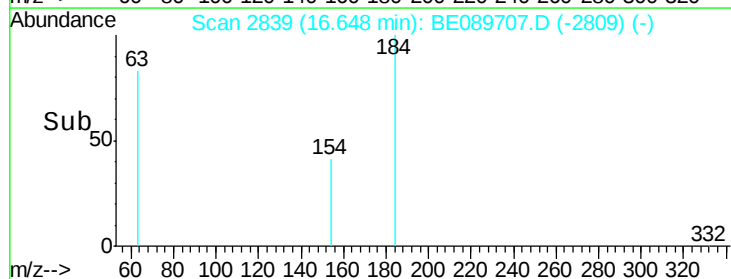
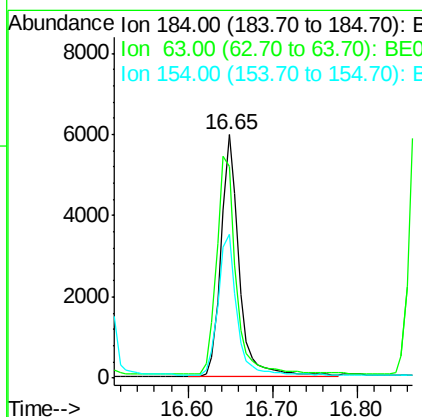
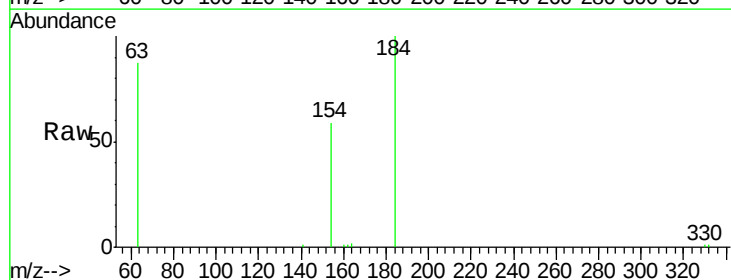
Instrument :
BNA_E
ClientSampleId :
SSTDIC010

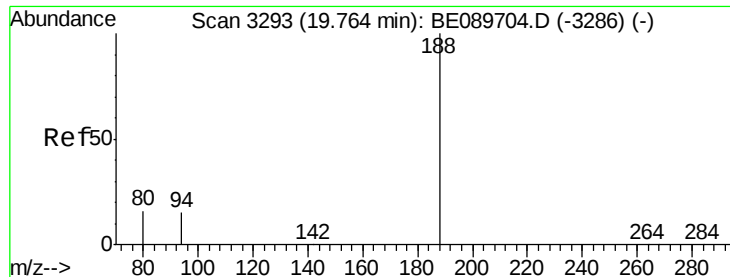
Tgt Ion:172 Resp: 248036
Ion Ratio Lower Upper
172 100
171 33.2 26.8 40.2
170 22.3 18.0 27.0



#16
2,4-Dinitrophenol
Concen: 7.29 ng
RT: 16.65 min Scan# 2839
Delta R.T. -0.01 min
Lab File: BE089707.D
Acq: 27 Feb 2015 2:04

Tgt Ion:184 Resp: 8846
Ion Ratio Lower Upper
184 100
63 87.0 82.4 123.6
154 59.0 61.4 92.2#

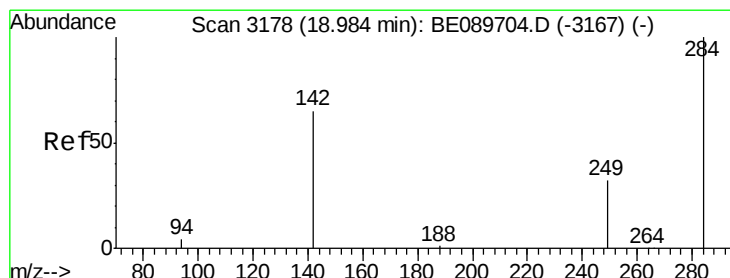
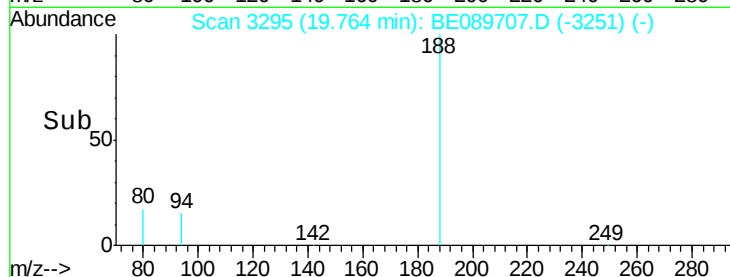
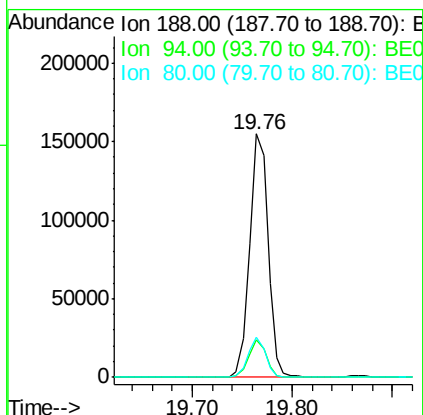
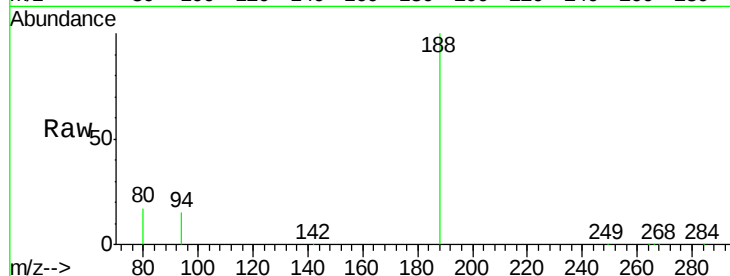




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.76 min Scan# 3295
Delta R.T. -0.00 min
Lab File: BE089707.D
Acq: 27 Feb 2015 2:04

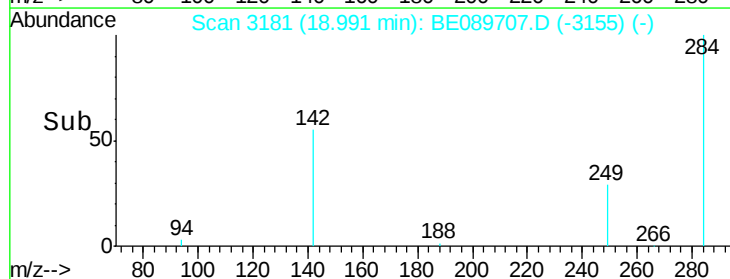
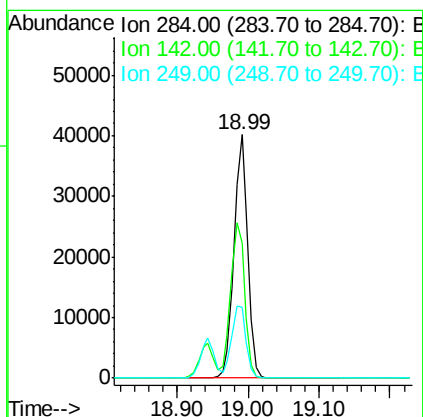
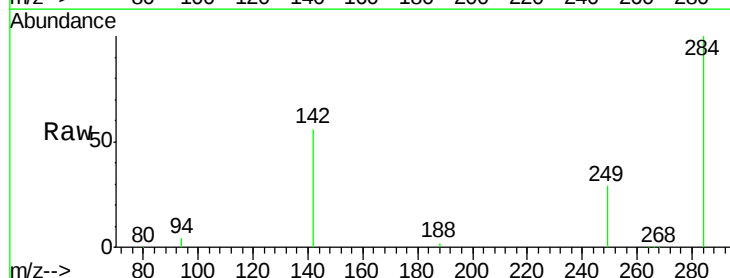
Instrument :
BNA_E
ClientSampleId :
SSTDIC010

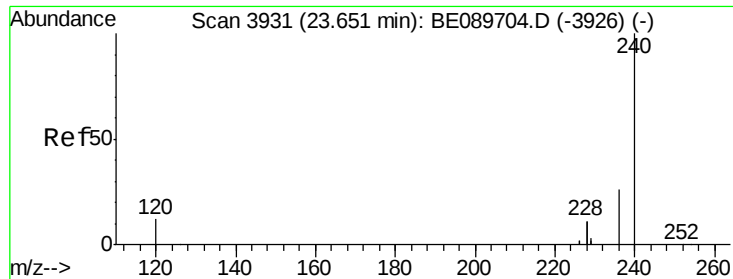
Tgt Ion:188 Resp: 198291
Ion Ratio Lower Upper
188 100
94 15.5 12.1 18.1
80 16.7 12.7 19.1



#18
Hexachlorobenzene
Concen: 6.19 ng
RT: 18.99 min Scan# 3181
Delta R.T. 0.01 min
Lab File: BE089707.D
Acq: 27 Feb 2015 2:04

Tgt Ion:284 Resp: 53672
Ion Ratio Lower Upper
284 100
142 55.5 52.2 78.4
249 28.9 26.4 39.6





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.65 min Scan# 3932

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

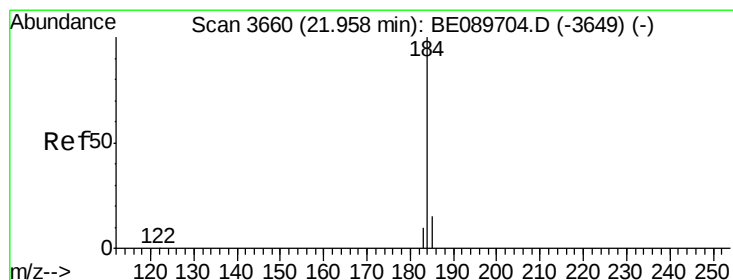
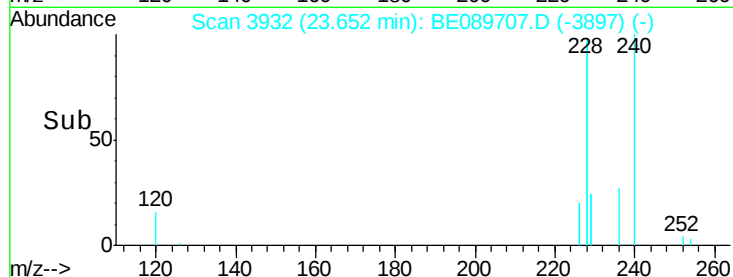
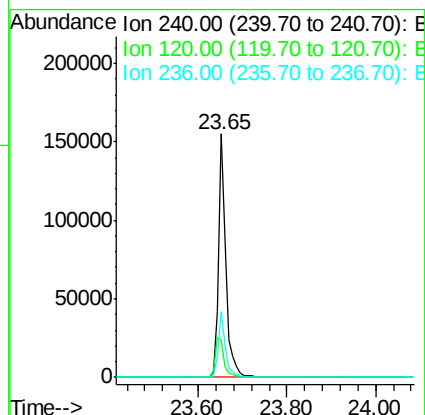
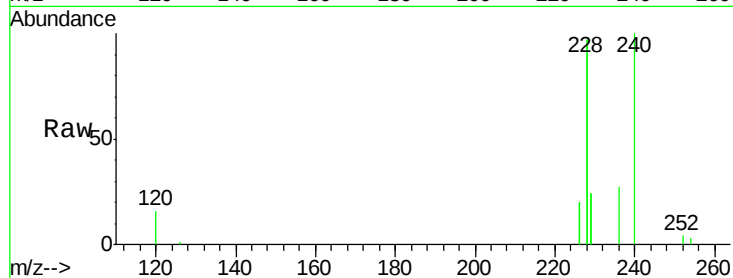
Tgt Ion:240 Resp: 176997

Ion Ratio Lower Upper

240 100

120 15.6 9.9 14.9#

236 27.2 21.0 31.6



#21

Benzidine

Concen: 12.96 ng

RT: 21.96 min Scan# 3662

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

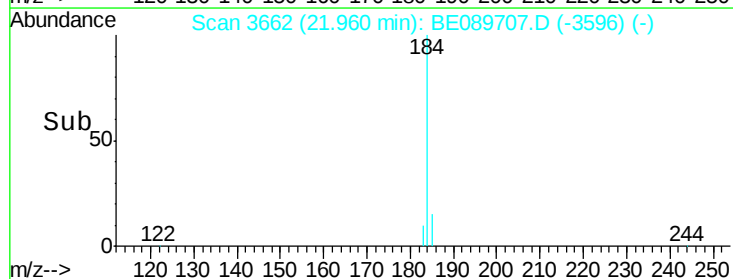
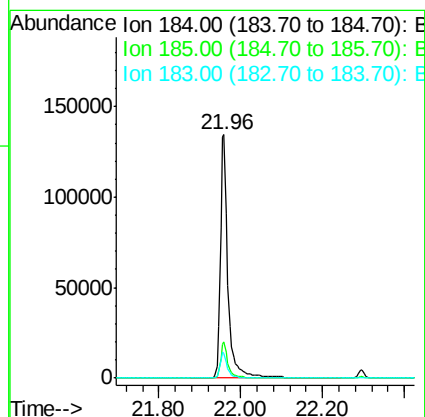
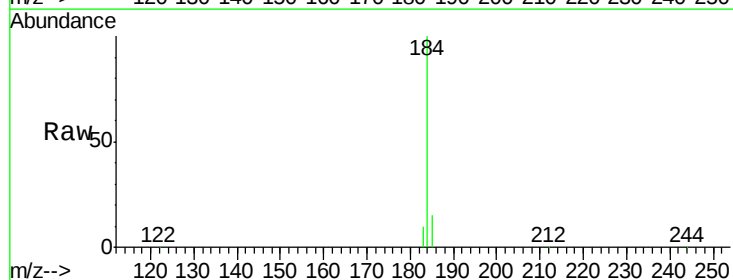
Tgt Ion:184 Resp: 177944

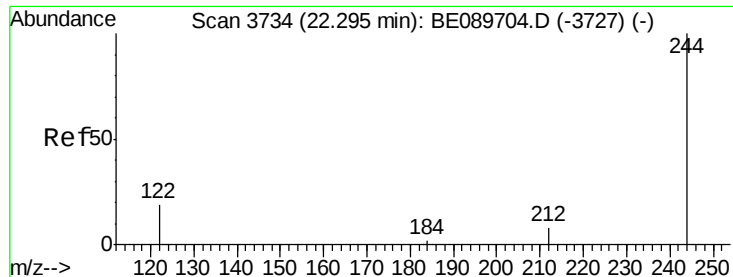
Ion Ratio Lower Upper

184 100

185 15.0 12.8 19.2

183 10.2 8.8 13.2

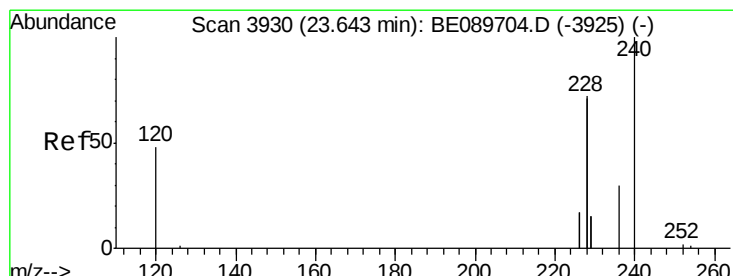
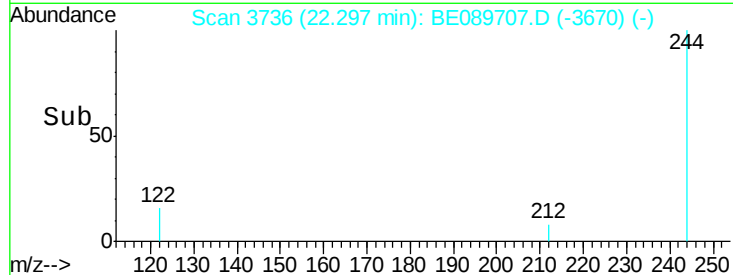
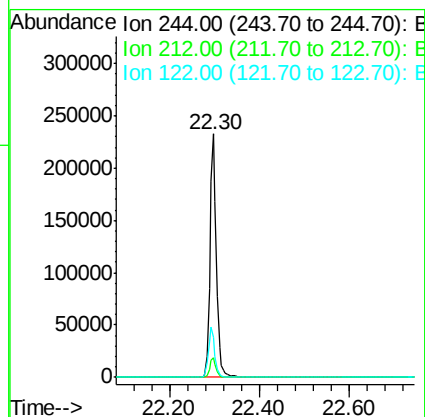
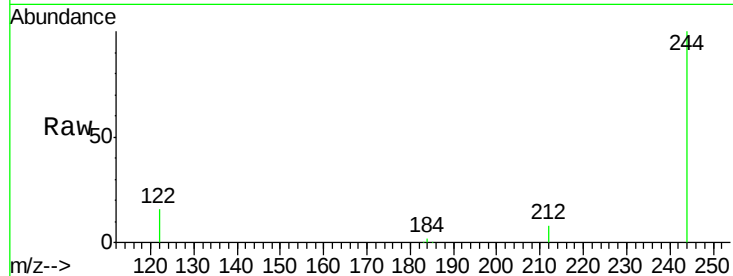




#22
 Terphenyl-d14
 Concen: 11.78 ng
 RT: 22.30 min Scan# 3736
 Delta R.T. 0.00 min
 Lab File: BE089707.D
 Acq: 27 Feb 2015 2:04

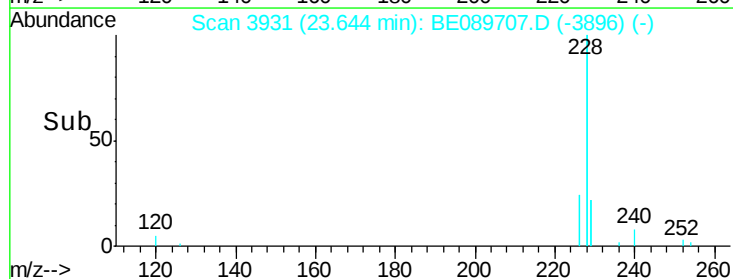
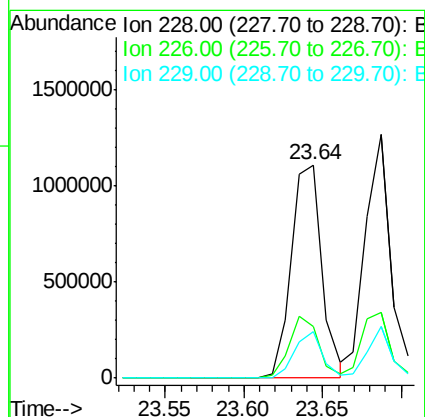
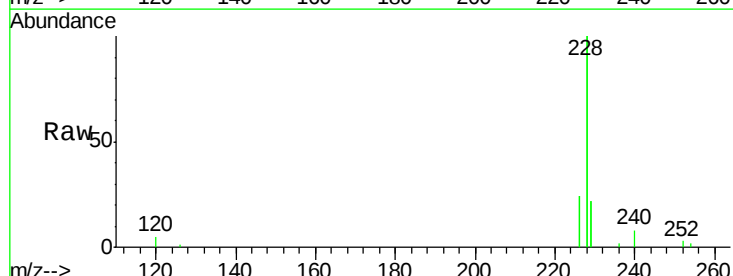
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

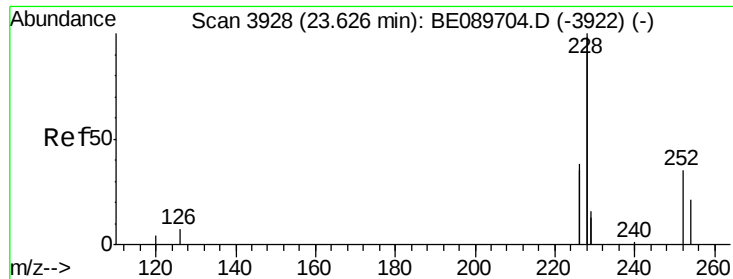
Tgt Ion:244 Resp: 229716
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.7 10.1
 122 16.4 15.7 23.5



#23
 Benzo(a)anthracene
 Concen: 9.35 ng
 RT: 23.64 min Scan# 3931
 Delta R.T. 0.00 min
 Lab File: BE089707.D
 Acq: 27 Feb 2015 2:04

Tgt Ion:228 Resp: 1484494
 Ion Ratio Lower Upper
 228 100
 226 23.9 19.3 28.9
 229 21.7 16.6 25.0

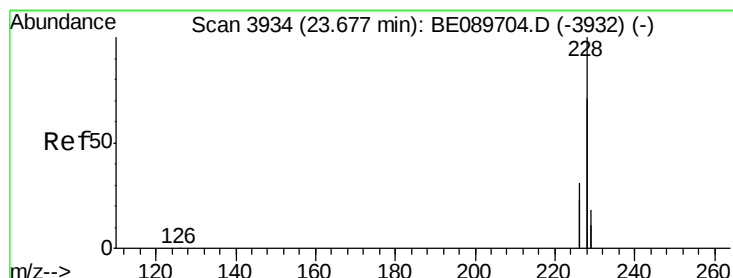
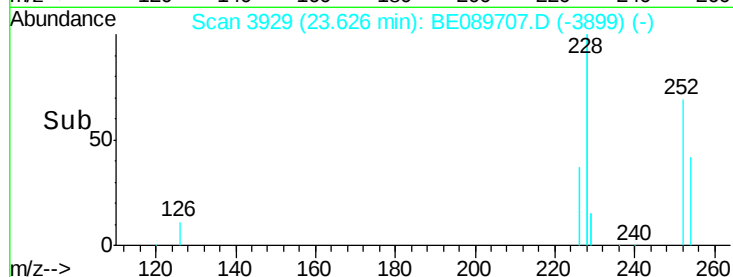
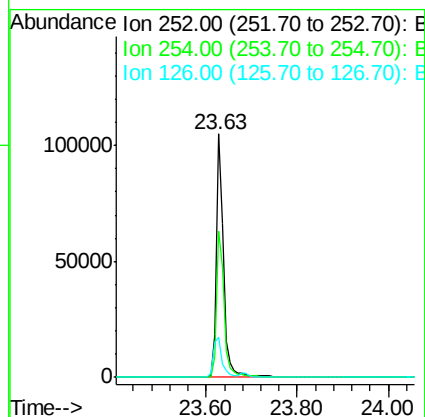
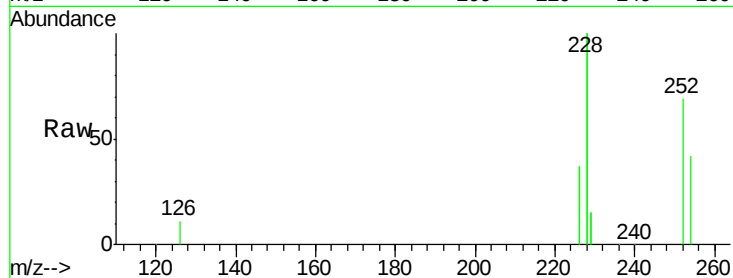




#24
 3,3'-Dichlorobenzidine
 Concen: 6.30 ng
 RT: 23.63 min Scan# 3929
 Delta R.T. 0.00 min
 Lab File: BE089707.D
 Acq: 27 Feb 2015 2:04

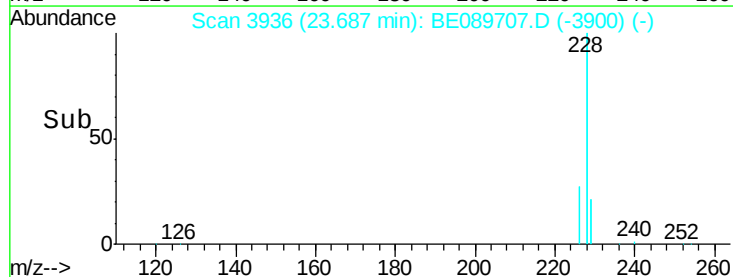
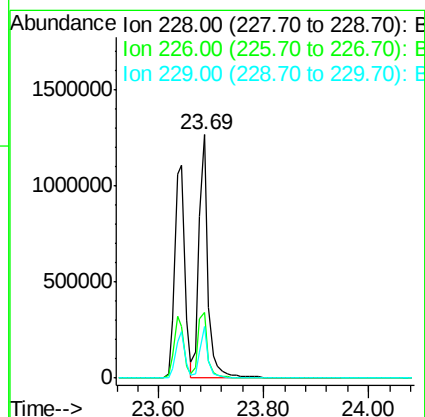
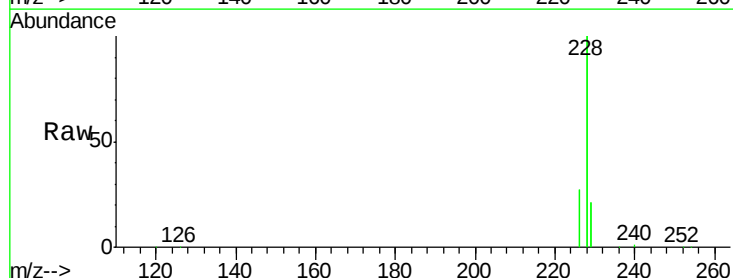
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

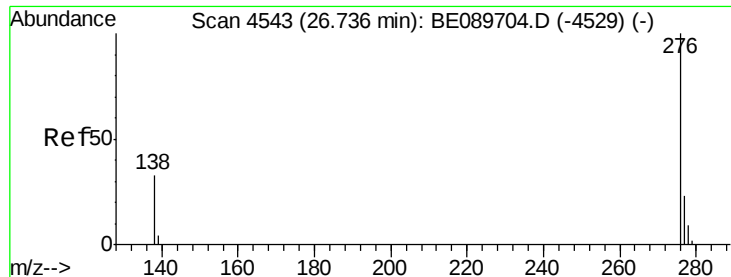
Tgt Ion: 252 Resp: 117507
 Ion Ratio Lower Upper
 252 100
 254 60.2 49.4 74.2
 126 16.5 17.4 26.2#



#25
 Chrysene
 Concen: 7.77 ng
 RT: 23.69 min Scan# 3936
 Delta R.T. 0.01 min
 Lab File: BE089707.D
 Acq: 27 Feb 2015 2:04

Tgt Ion: 228 Resp: 1512455
 Ion Ratio Lower Upper
 228 100
 226 26.8 24.7 37.1
 229 21.2 14.4 21.6





#26

Indeno(1,2,3-cd)pyrene

Concen: 4.72 ng

RT: 26.74 min Scan# 4546

Delta R.T. 0.01 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

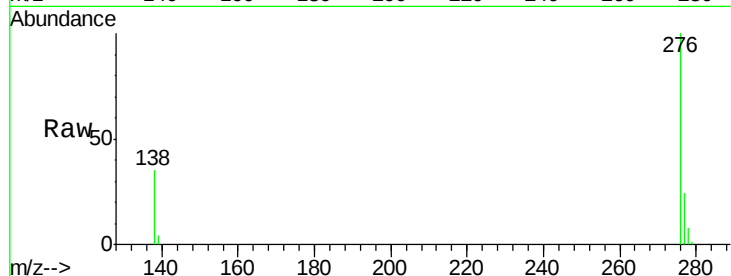
Tgt Ion: 276 Resp: 310795

Ion Ratio Lower Upper

276 100

138 41.1 29.8 44.6

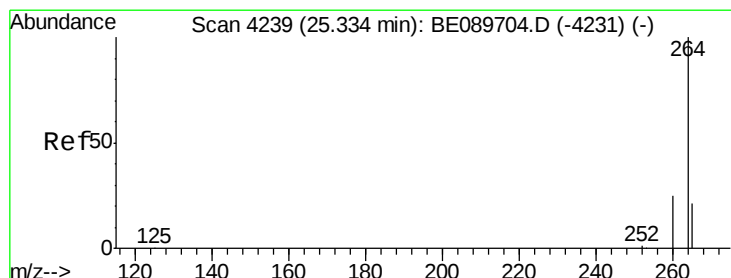
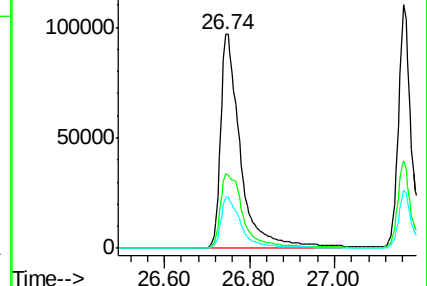
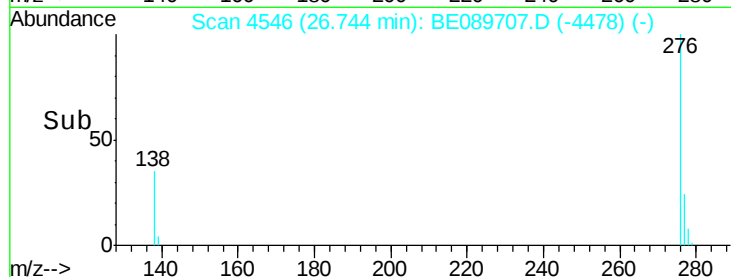
277 25.0 19.8 29.6



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# 4240

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

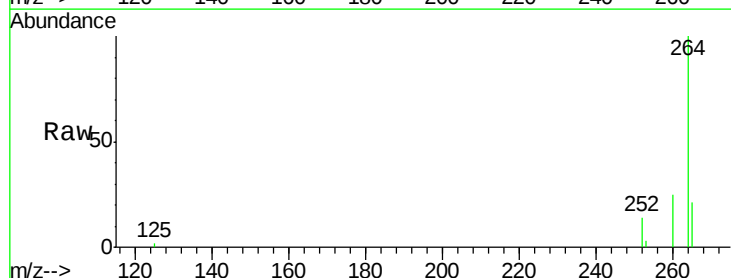
Tgt Ion: 264 Resp: 140370

Ion Ratio Lower Upper

264 100

260 25.2 20.2 30.2

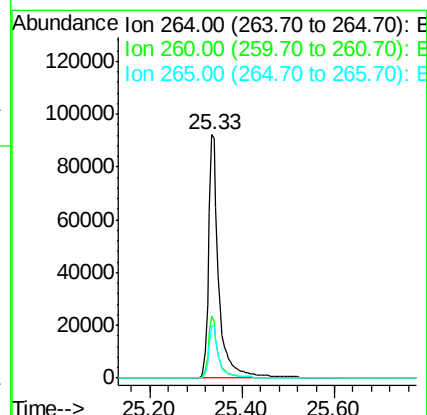
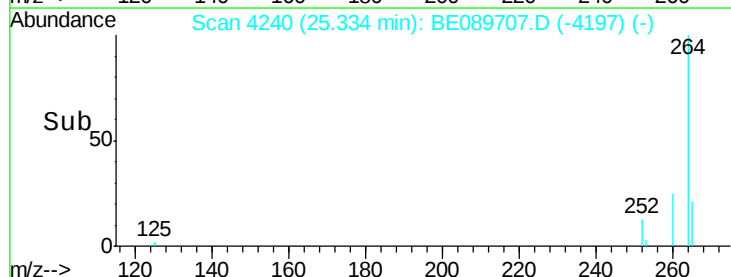
265 21.0 16.9 25.3

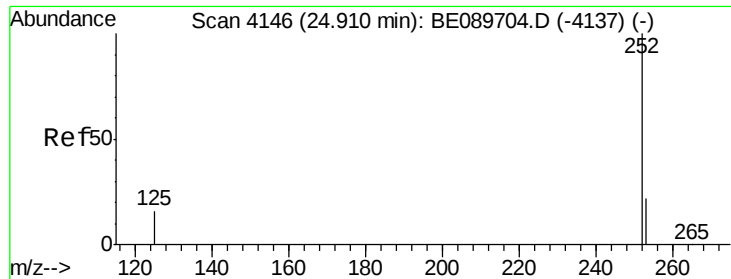


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#28

Benzo(b)fluoranthene

Concen: 10.64 ng

RT: 24.91 min Scan# 4147

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

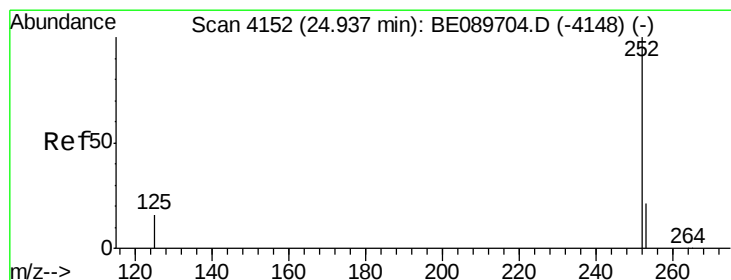
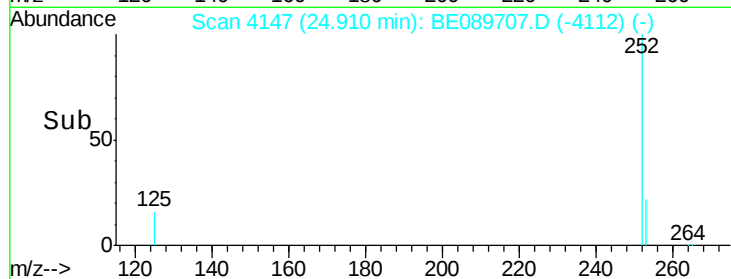
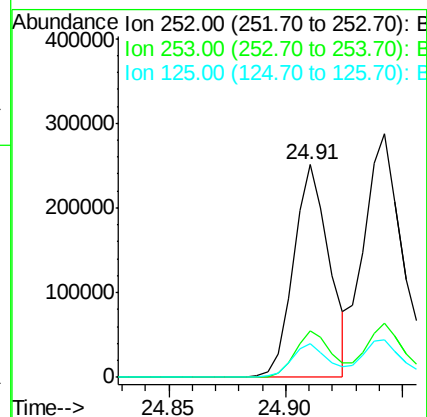
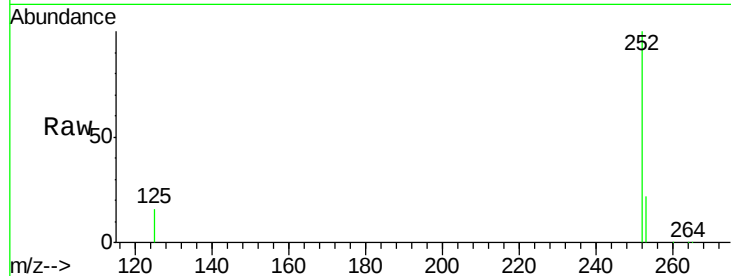
Tgt Ion:252 Resp: 266124

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 15.9 12.9 19.3



#29

Benzo(k)fluoranthene

Concen: 9.93 ng

RT: 24.94 min Scan# 4154

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

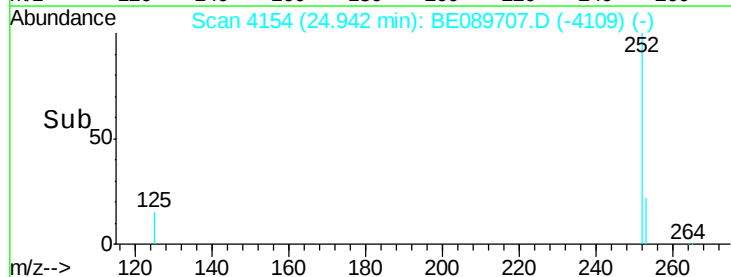
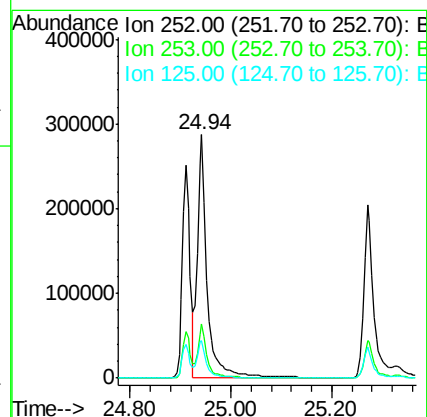
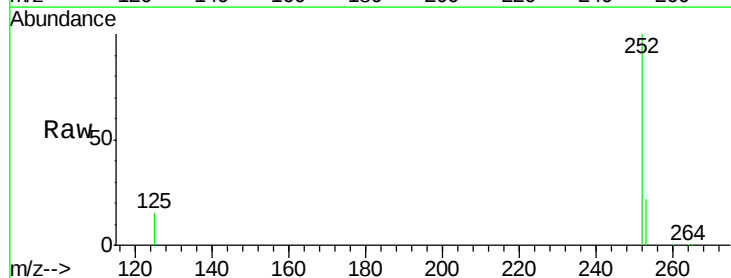
Tgt Ion:252 Resp: 388923

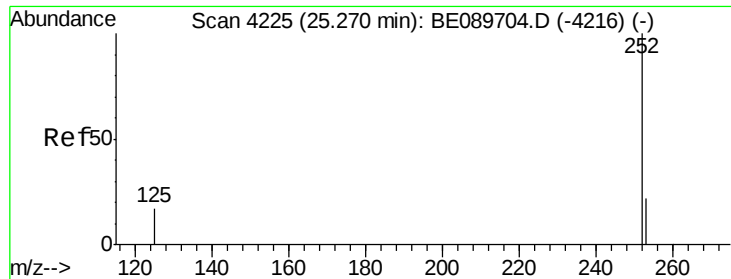
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 15.5 12.9 19.3





#30

Benzo(a)pyrene

Concen: 8.00 ng

RT: 25.27 min Scan# 4226

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

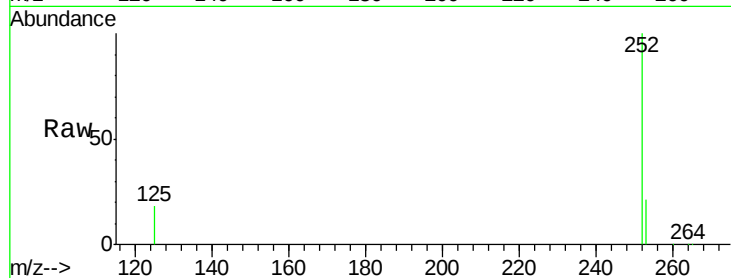
Tgt Ion: 252 Resp: 267664

Ion Ratio Lower Upper

252 100

253 21.4 17.9 26.9

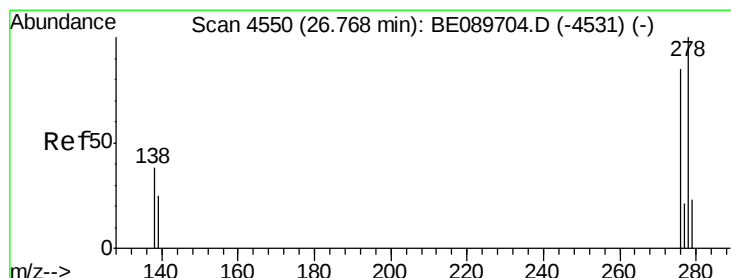
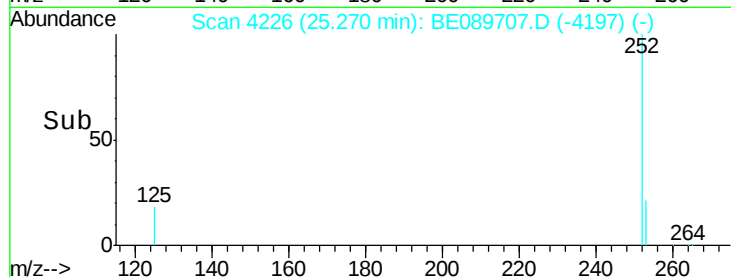
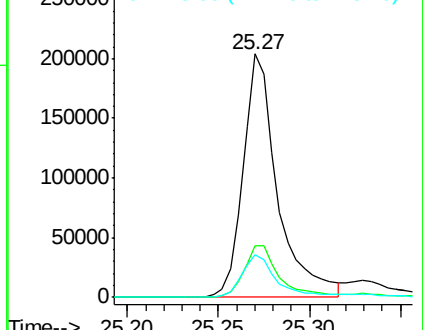
125 17.8 14.0 21.0



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: 6.74 ng

RT: 26.77 min Scan# 4552

Delta R.T. 0.00 min

Lab File: BE089707.D

Acq: 27 Feb 2015 2:04

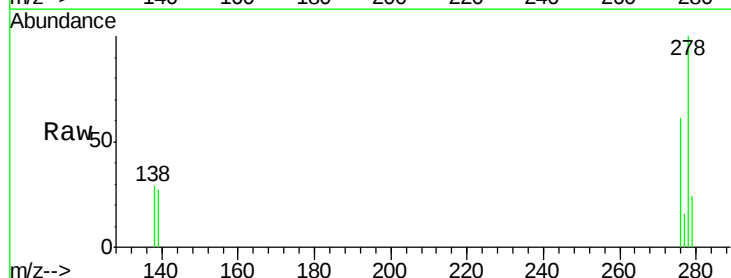
Tgt Ion: 278 Resp: 245058

Ion Ratio Lower Upper

278 100

139 27.3 21.1 31.7

279 23.6 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

