

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089467.D
 Acq On : 2 Feb 2015 22:27
 Operator : TP/IZ
 Sample : G1110-08MSD
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 04:31:25 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 03 04:09:03 2015
 Response via : Initial Calibration

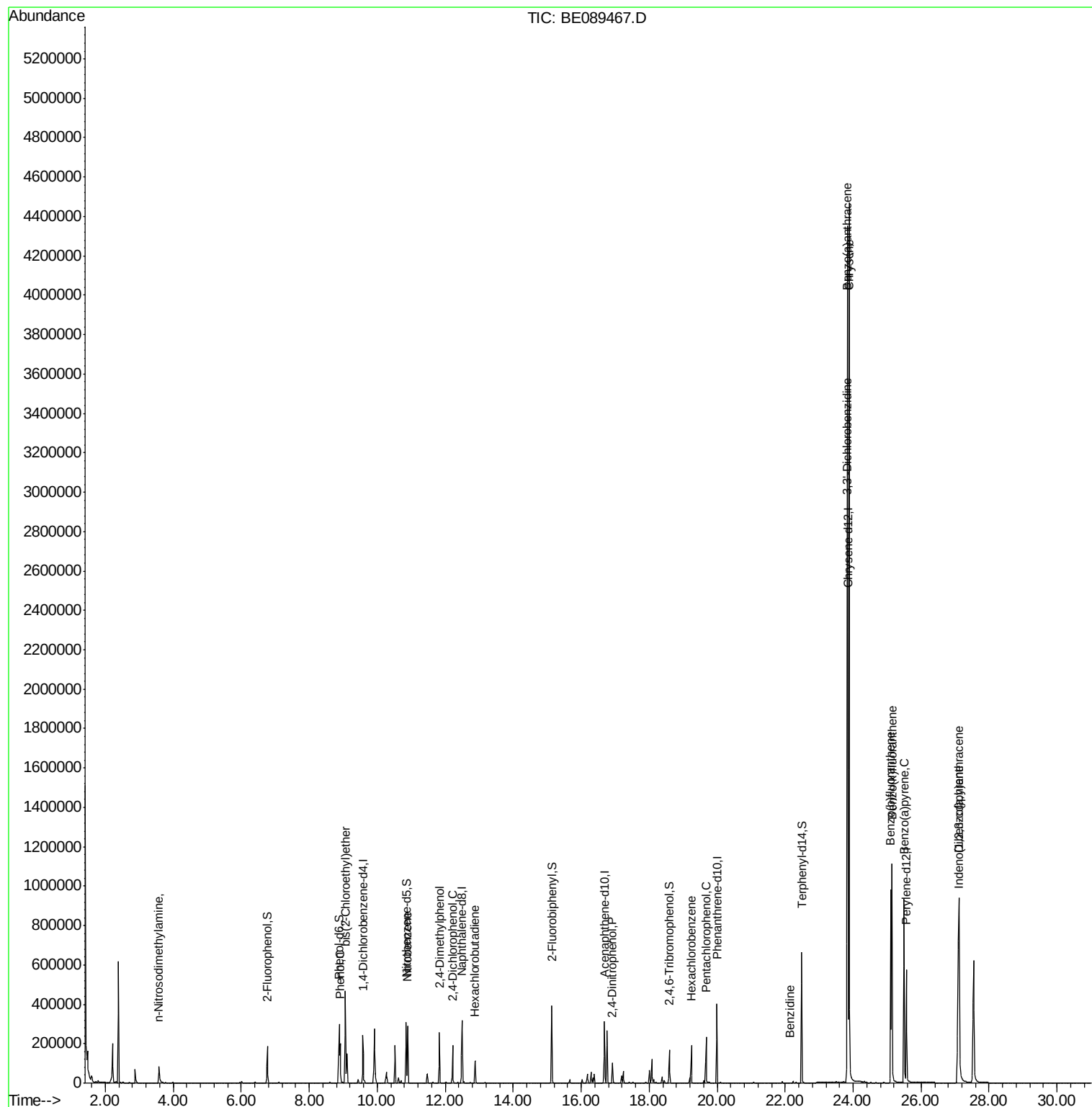
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	100879	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	379040	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	191816	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	396945	5.00	ng	0.00
20) Chrysene-d12	23.85	240	470919	5.00	ng	0.00
27) Perylene-d12	25.57	264	495809	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.76	112	129696	3.84	ng	0.00
4) Phenol-d6	8.88	99	98670	2.51	ng	0.00
8) Nitrobenzene-d5	10.85	82	228697	8.30	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	89771	18.56	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	353673	6.59	ng	0.00
22) Terphenyl-d14	22.48	244	566024	10.63	ng	0.00
Target Compounds						
2) n-Nitrosodimethylamine	3.58	42	54865	2.90	ng	Qvalue # 56
5) Phenol	8.91	94	106618	2.51	ng	89
6) bis(2-Chloroethyl)ether	9.06	93	224433	7.28	ng	# 97
9) Nitrobenzene	10.90	77	251047	8.03	ng	98
10) 2,4-Dimethylphenol	11.84	122	142400	6.36	ng	96
11) 2,4-Dichlorophenol	12.22	162	126323	7.46	ng	93
12) Hexachlorobutadiene	12.88	225	76026	6.37	ng	99
16) 2,4-Dinitrophenol	16.92	184	61464	18.32	ng	# 70
18) Hexachlorobenzene	19.24	284	149254	7.17	ng	93
19) Pentachlorophenol	19.67	266	139595	19.89	ng	96
21) Benzidine	22.13	184	329	0.32	ng	# 1
23) Benzo(a)anthracene	23.84	228	3505739	9.34	ng	98
24) 3,3'-Dichlorobenzidine	23.82	252	53700	1.36	ng	# 93
25) Chrysene	23.88	228	3291535	7.18	ng	98
26) Indeno(1,2,3-cd)pyrene	27.09	276	1118531	5.66	ng	97
28) Benzo(b)fluoranthene	25.11	252	885879	8.87	ng	100
29) Benzo(k)fluoranthene	25.14	252	1002378	8.11	ng	100
30) Benzo(a)pyrene	25.50	252	914465	8.48	ng	99
31) Dibenzo(a,h)anthracene	27.12	278	990059	7.10	ng	97

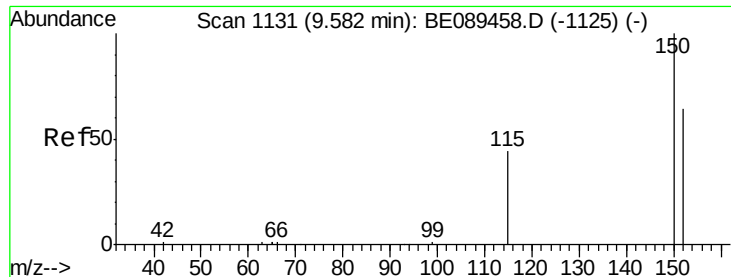
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

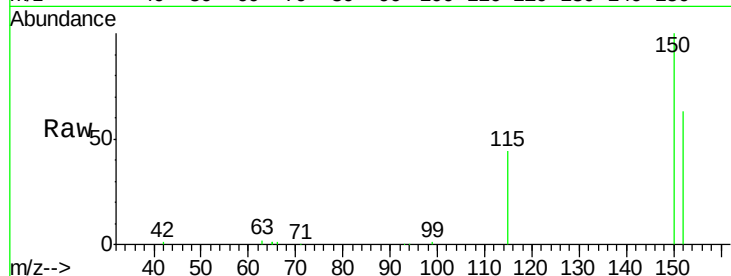
Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

Instrument :

BNA_E

ClientSampleId :



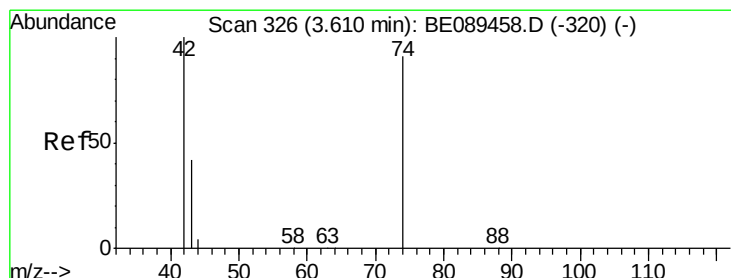
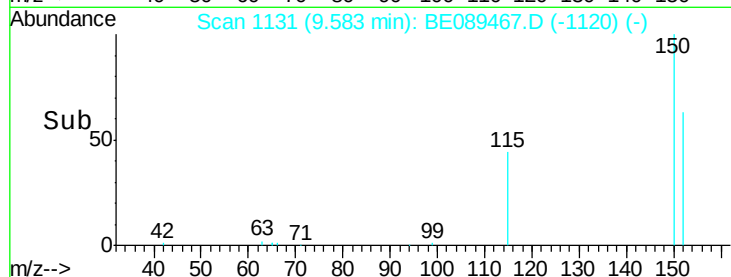
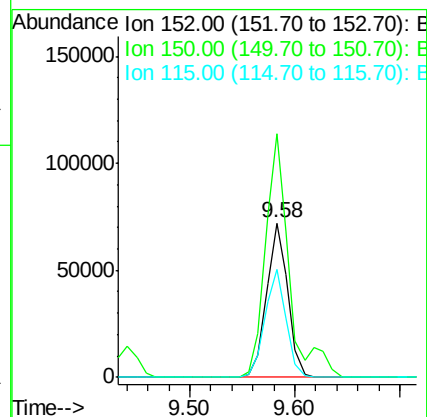
Tgt Ion:152 Resp: 100879

Ion Ratio Lower Upper

152 100

150 158.1 124.6 186.8

115 70.2 55.4 83.0



#2

n-Nitrosodimethylamine

Concen: 2.90 ng

RT: 3.58 min Scan# 321

Delta R.T. -0.03 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

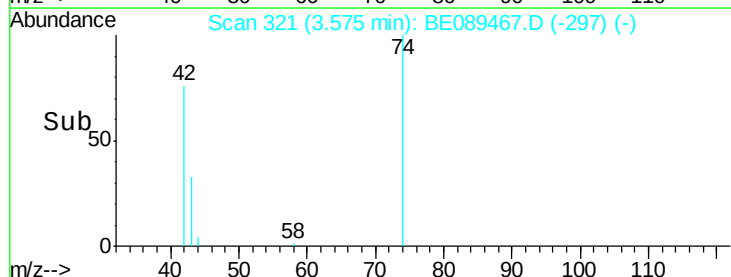
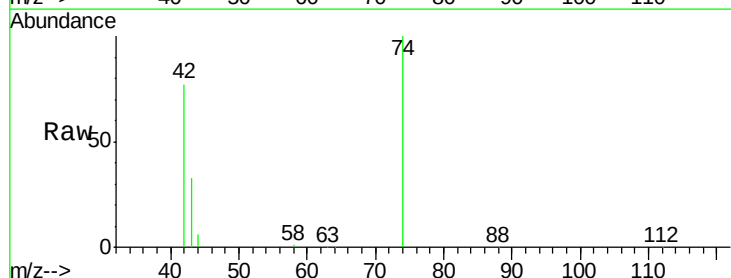
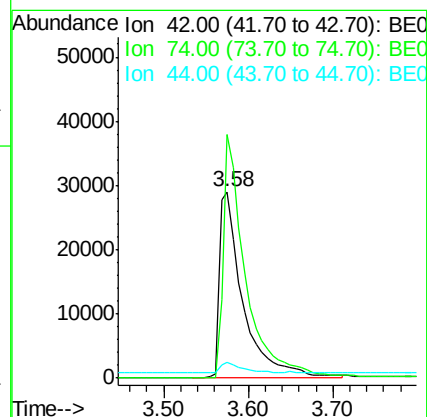
Tgt Ion: 42 Resp: 54865

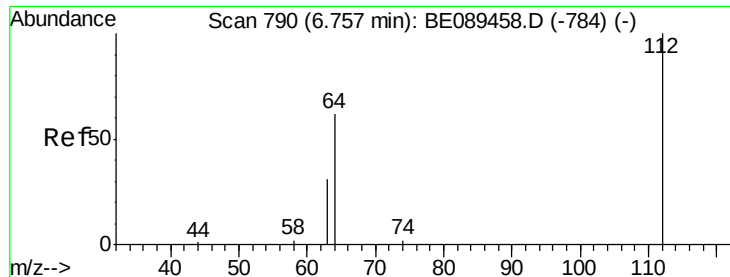
Ion Ratio Lower Upper

42 100

74 130.6 72.1 108.1#

44 8.2 28.0 42.0#

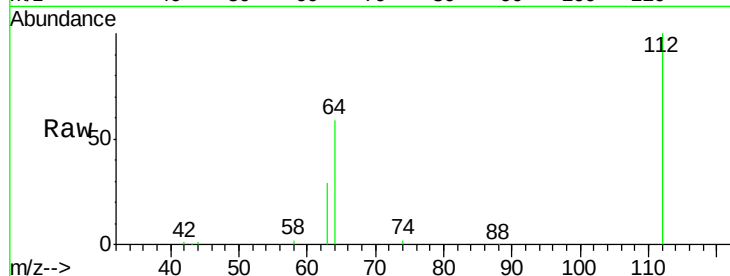




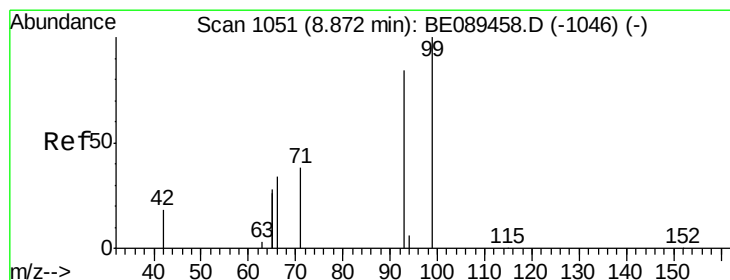
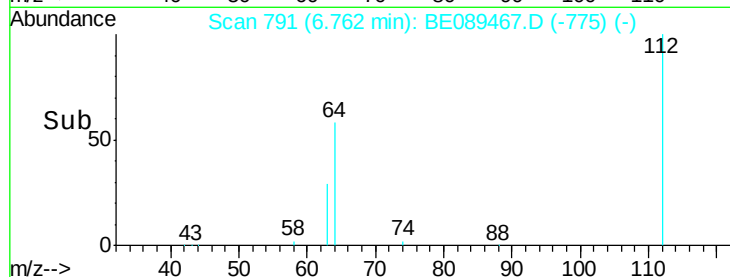
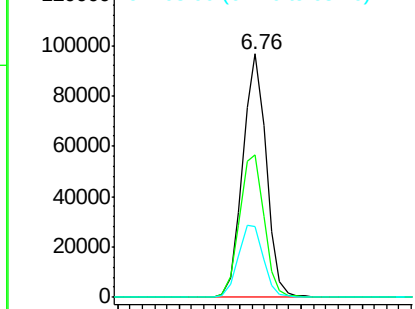
#3
2-Fluorophenol
Concen: 3.84 ng
RT: 6.76 min Scan# 791
Delta R.T. 0.01 min
Lab File: BE089467.D
Acq: 2 Feb 2015 22:27

Instrument :
BNA_E
ClientSampled :

Tgt Ion: 112 Resp: 129696
Ion Ratio Lower Upper
112 100
64 58.5 49.8 74.8
63 29.0 24.9 37.3

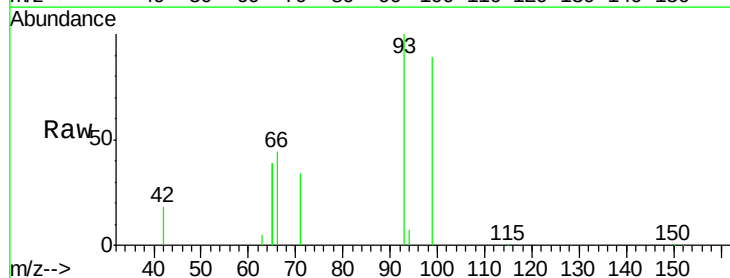


Abundance Ion 112.00 (111.70 to 112.70): BE0
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0

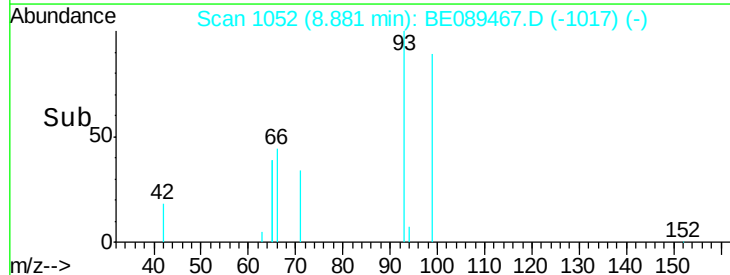
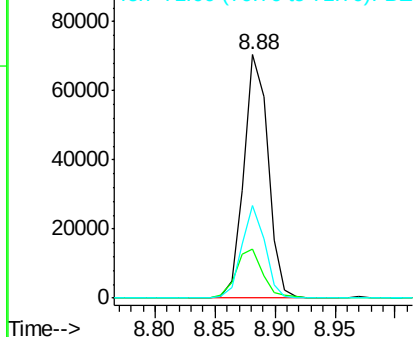


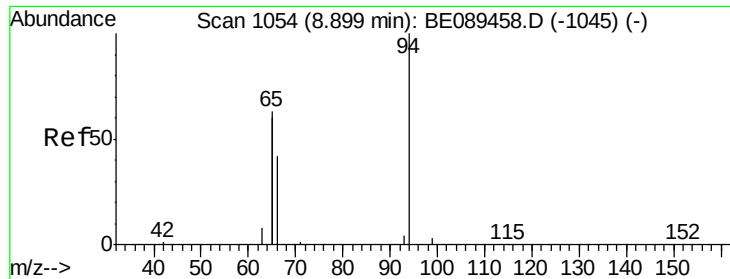
#4
Phenol-d6
Concen: 2.51 ng
RT: 8.88 min Scan# 1052
Delta R.T. 0.01 min
Lab File: BE089467.D
Acq: 2 Feb 2015 22:27

Tgt Ion: 99 Resp: 98670
Ion Ratio Lower Upper
99 100
42 20.3 15.0 22.4
71 38.2 30.6 46.0



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: 2.51 ng

RT: 8.91 min Scan# 1055

Delta R.T. 0.01 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

Instrument :

BNA_E

ClientSampled :

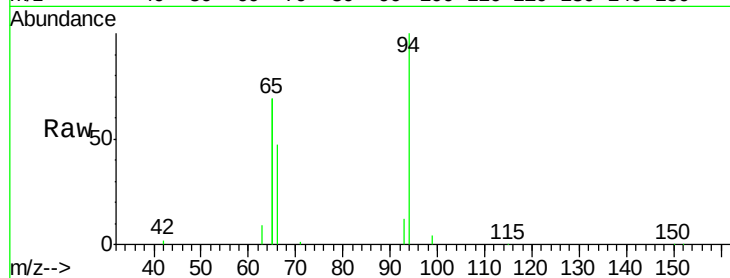
Tgt Ion: 94 Resp: 106618

Ion Ratio Lower Upper

94 100

65 138.3 105.0 145.0

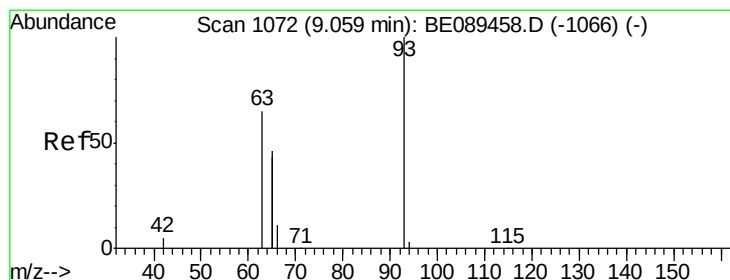
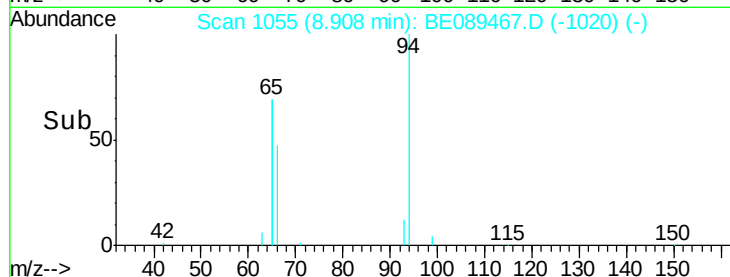
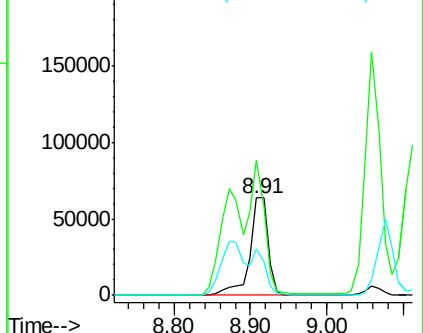
66 47.4 22.4 62.4



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: 7.28 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

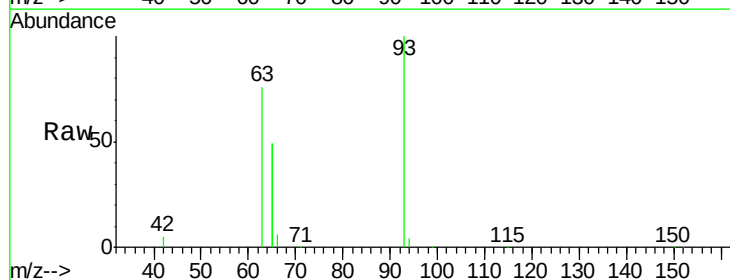
Tgt Ion: 93 Resp: 224433

Ion Ratio Lower Upper

93 100

63 71.6 59.2 88.8

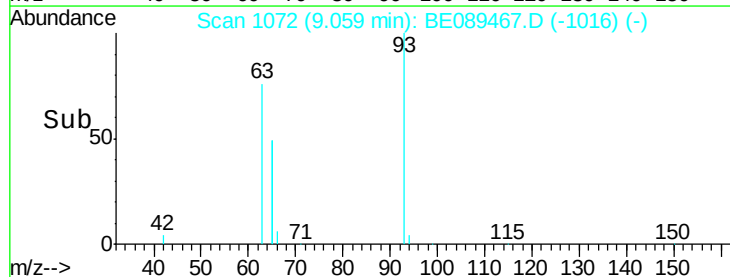
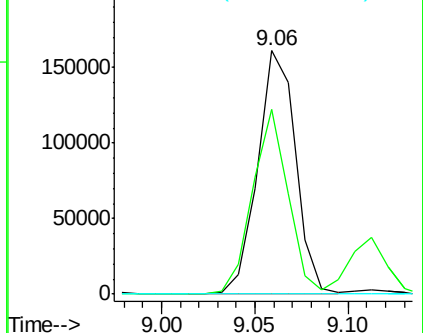
95 0.0 0.0 0.0

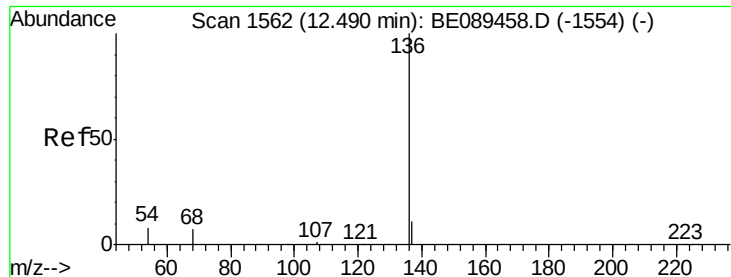


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 12.49 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

Instrument :

BNA_E

ClientSampleId :

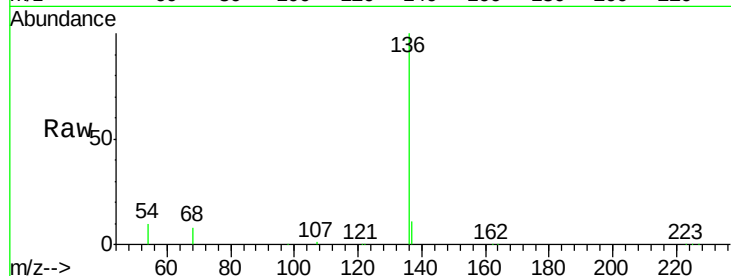
Tgt Ion: 136 Resp: 379040

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

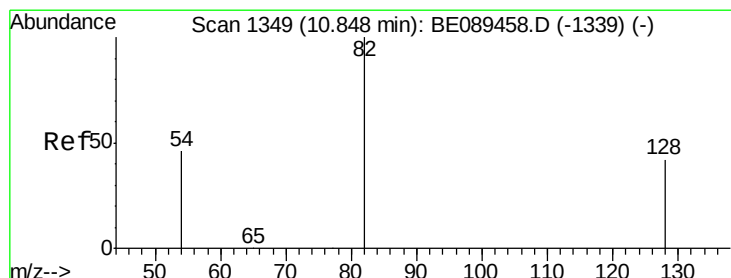
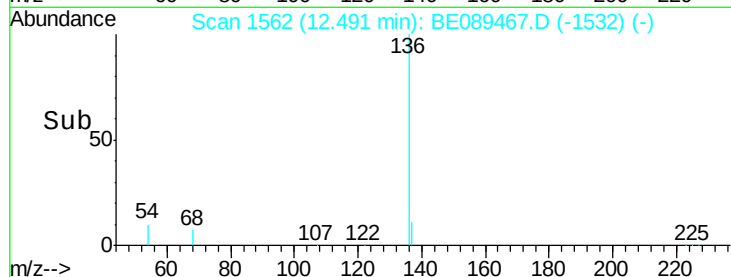
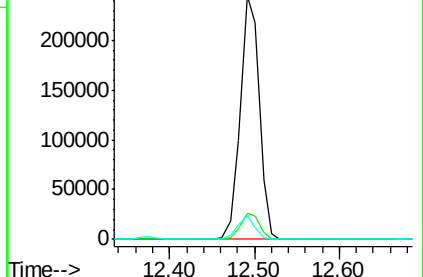
54 9.7 6.5 9.7#



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: 8.30 ng

RT: 10.85 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

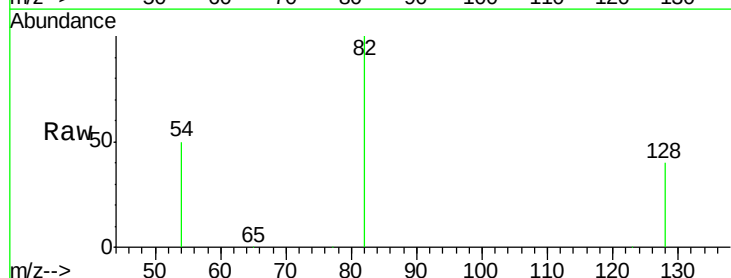
Tgt Ion: 82 Resp: 228697

Ion Ratio Lower Upper

82 100

128 40.2 34.2 51.2

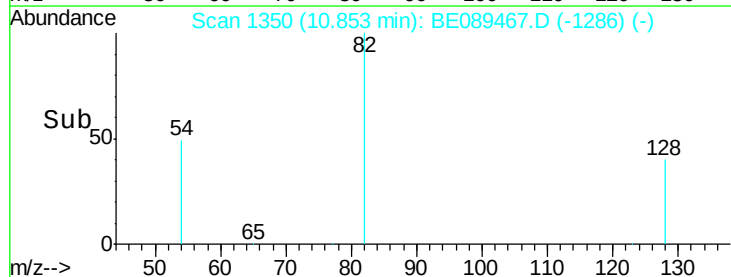
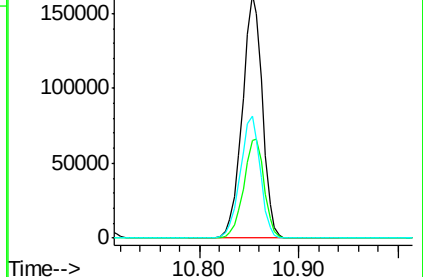
54 50.0 37.3 55.9

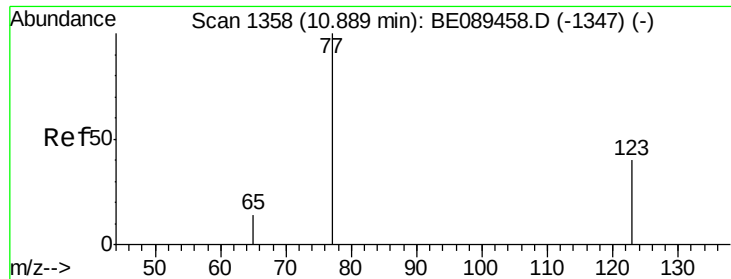


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 8.03 ng

RT: 10.90 min Scan# 1360

Delta R.T. 0.01 min

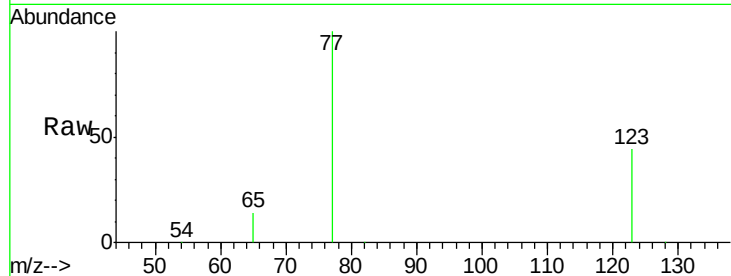
Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

Instrument :

BNA_E

ClientSampled :



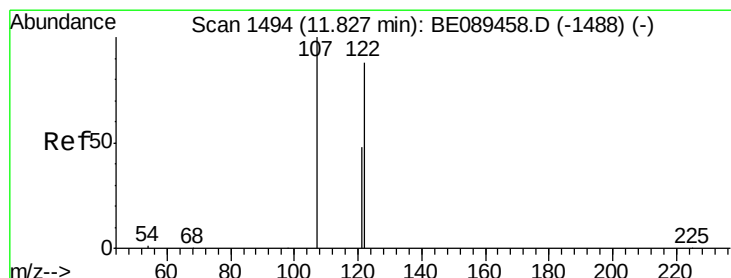
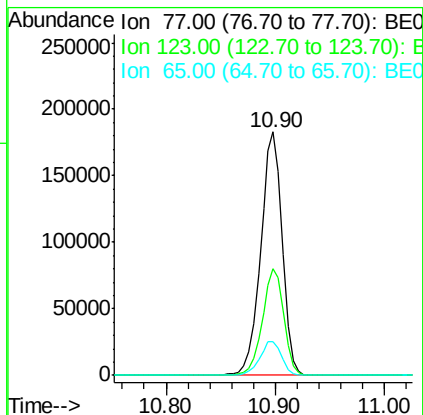
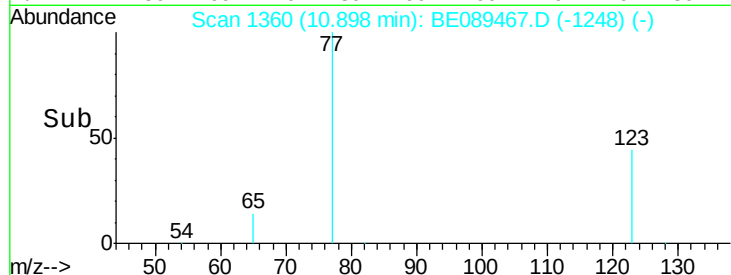
Tgt Ion: 77 Resp: 251047

Ion Ratio Lower Upper

77 100

123 43.3 33.6 50.4

65 14.1 11.0 16.6



#10

2,4-Dimethylphenol

Concen: 6.36 ng

RT: 11.84 min Scan# 1495

Delta R.T. 0.01 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

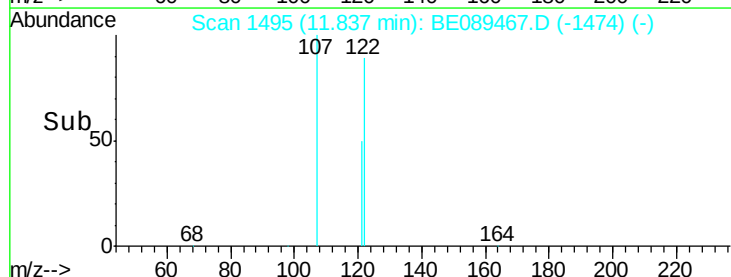
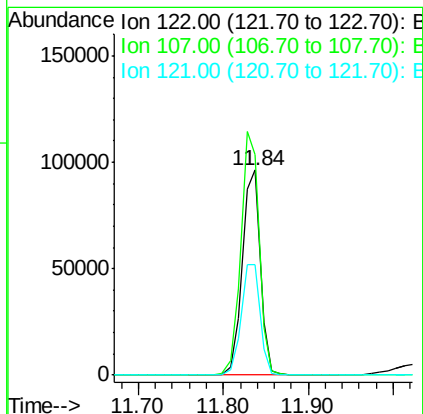
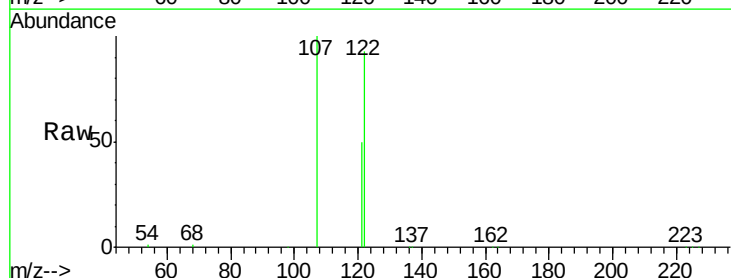
Tgt Ion: 122 Resp: 142400

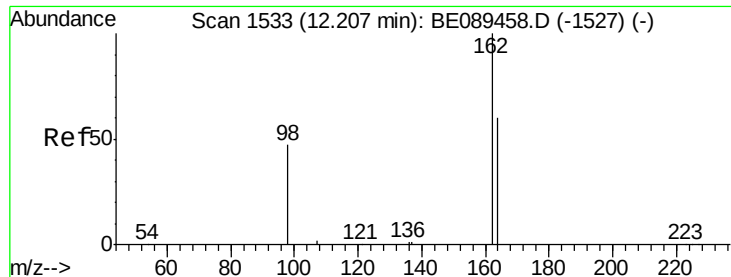
Ion Ratio Lower Upper

122 100

107 107.7 90.6 136.0

121 53.9 43.7 65.5

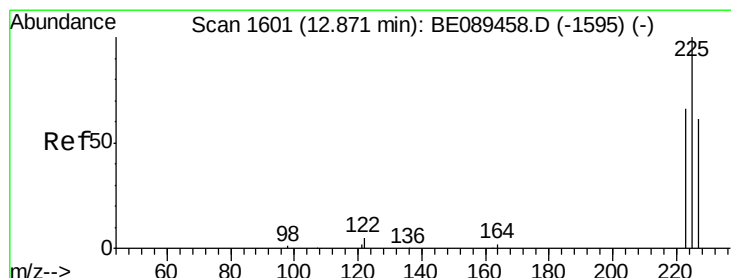
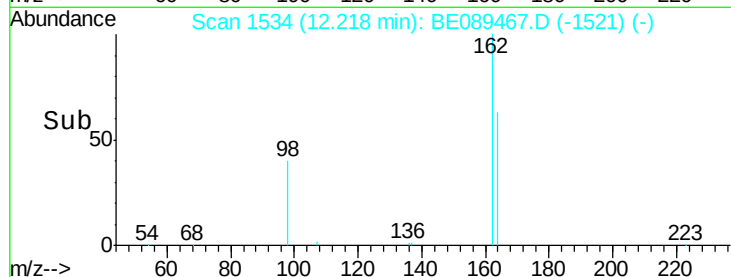
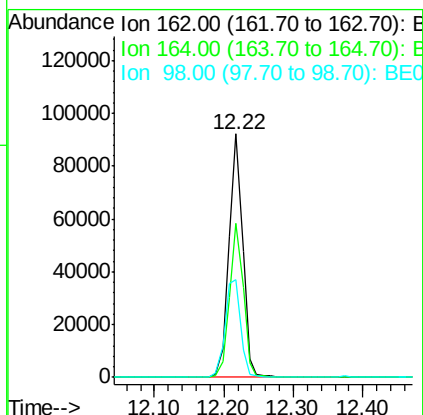
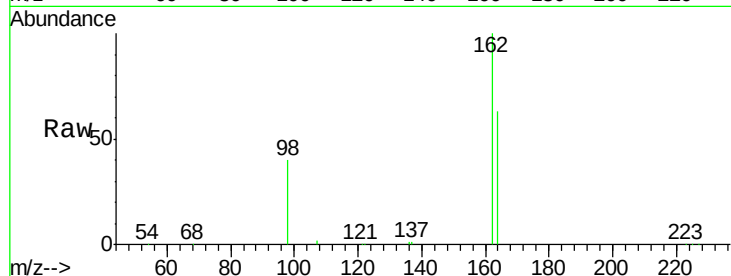




#11
 2,4-Dichlorophenol
 Concen: 7.46 ng
 RT: 12.22 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: BE089467.D
 Acq: 2 Feb 2015 22:27

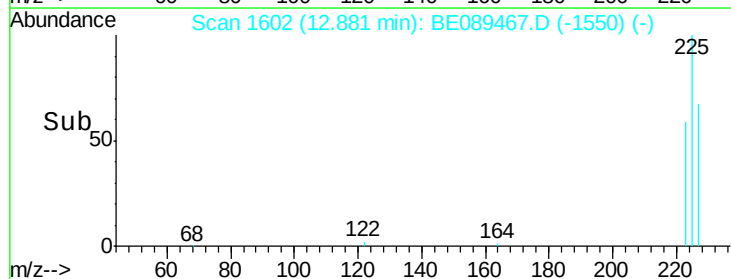
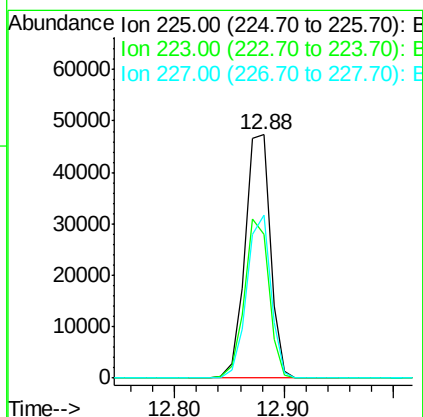
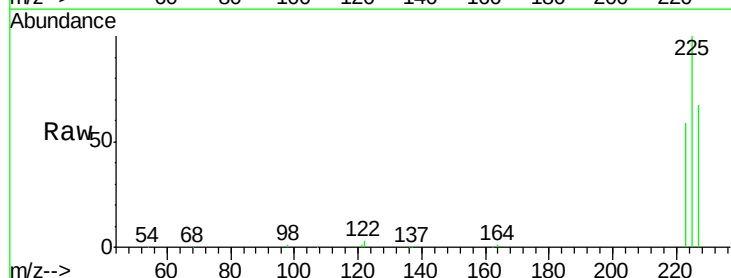
Instrument :
 BNA_E
 ClientSampleId :

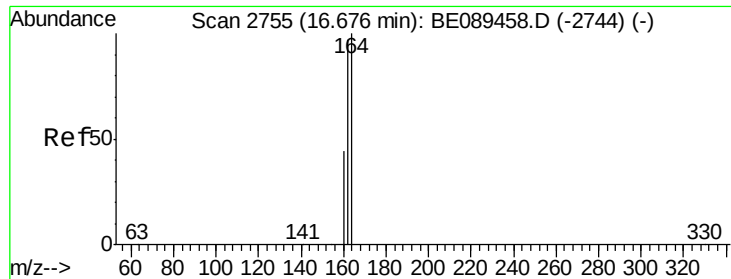
Tgt Ion:162 Resp: 126323
 Ion Ratio Lower Upper
 162 100
 164 63.4 40.5 80.5
 98 40.1 28.1 68.1



#12
 Hexachlorobutadiene
 Concen: 6.37 ng
 RT: 12.88 min Scan# 1602
 Delta R.T. 0.01 min
 Lab File: BE089467.D
 Acq: 2 Feb 2015 22:27

Tgt Ion:225 Resp: 76026
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.2 75.2
 227 63.5 49.9 74.9





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

Instrument :

BNA_E

ClientSampleId :

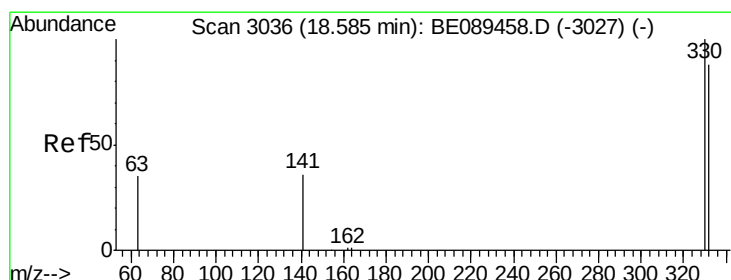
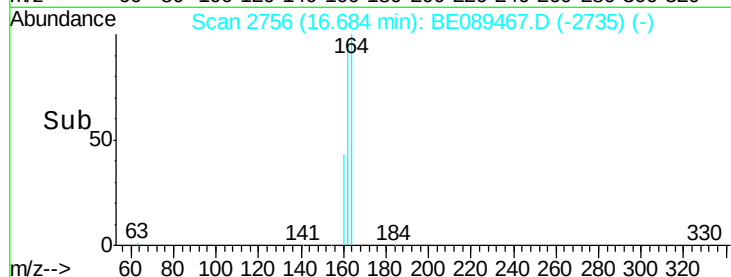
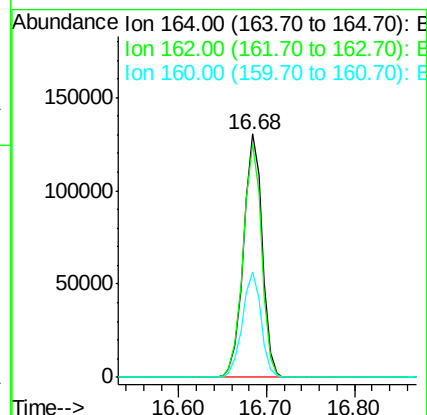
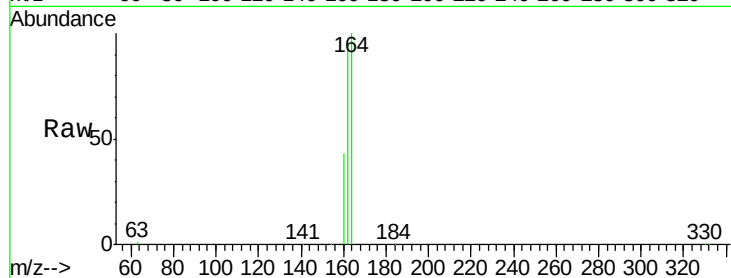
Tgt Ion:164 Resp: 191816

Ion Ratio Lower Upper

164 100

162 95.7 77.4 116.2

160 43.4 35.5 53.3



#14

2,4,6-Tribromophenol

Concen: 18.56 ng

RT: 18.59 min Scan# 3037

Delta R.T. 0.01 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

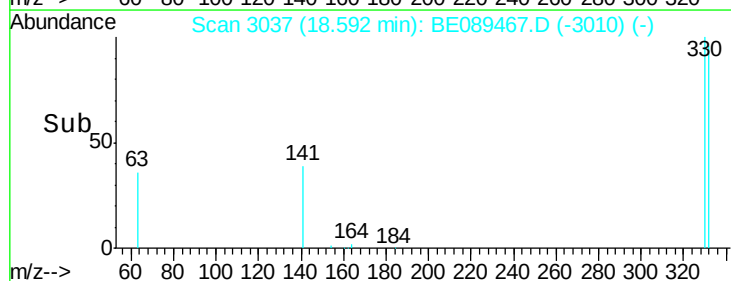
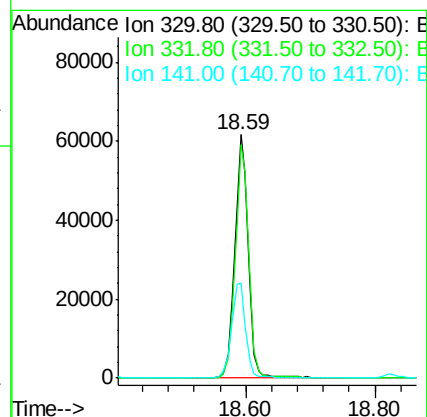
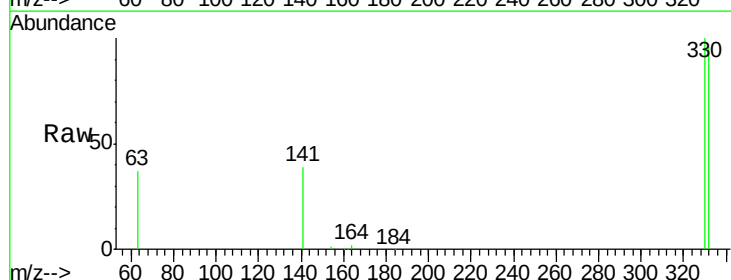
Tgt Ion:330 Resp: 89771

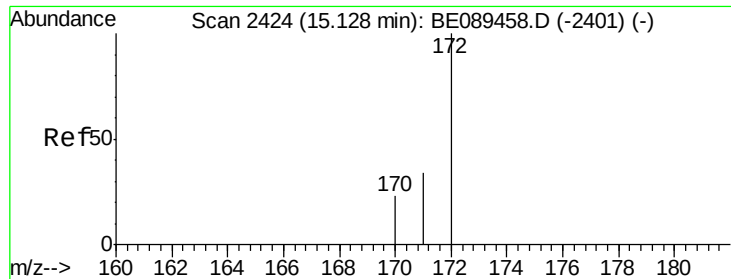
Ion Ratio Lower Upper

330 100

332 97.1 75.4 113.2

141 41.0 35.7 53.5

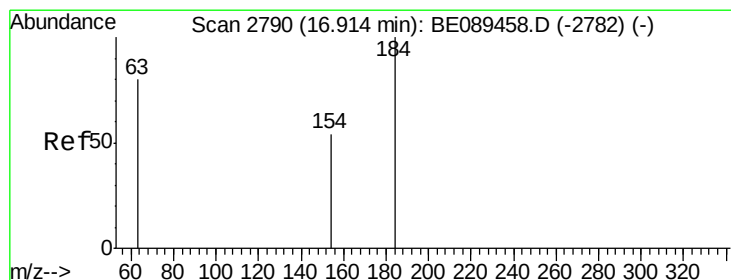
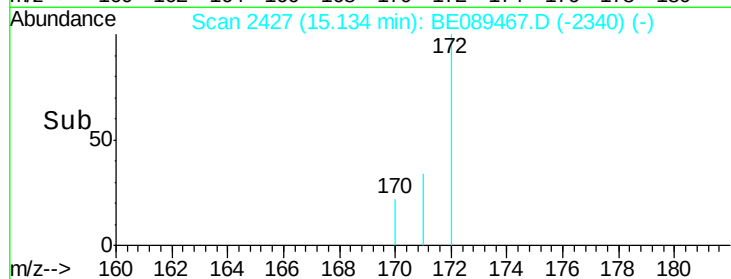
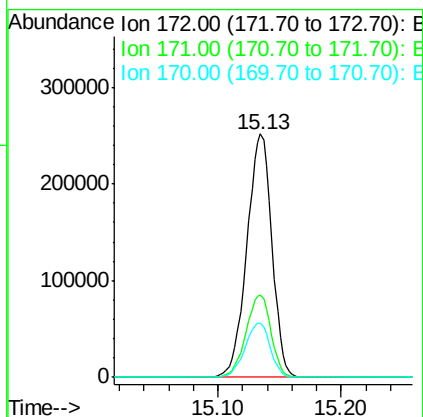
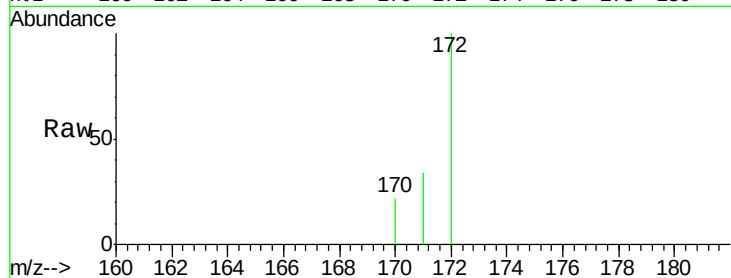




#15
2-Fluorobiphenyl
Concen: 6.59 ng
RT: 15.13 min Scan# 2427
Delta R.T. 0.01 min
Lab File: BE089467.D
Acq: 2 Feb 2015 22:27

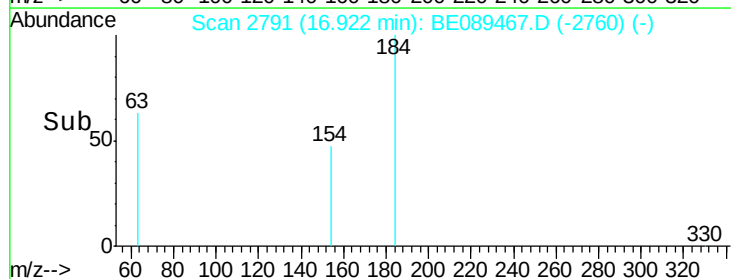
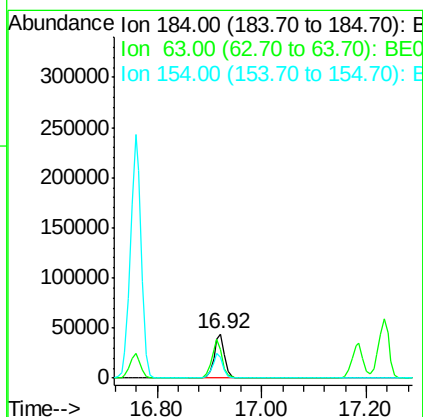
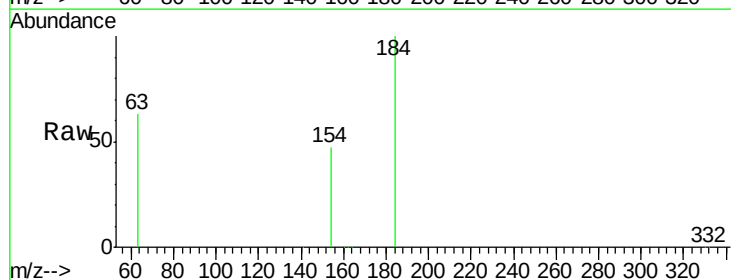
Instrument :
BNA_E
ClientSampleId :

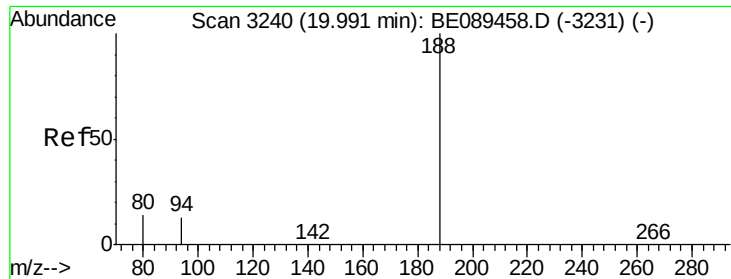
Tgt Ion:172 Resp: 353673
Ion Ratio Lower Upper
172 100
171 33.9 27.7 41.5
170 22.3 18.3 27.5



#16
2,4-Dinitrophenol
Concen: 18.32 ng
RT: 16.92 min Scan# 2791
Delta R.T. 0.01 min
Lab File: BE089467.D
Acq: 2 Feb 2015 22:27

Tgt Ion:184 Resp: 61464
Ion Ratio Lower Upper
184 100
63 63.3 77.0 115.6#
154 47.4 54.0 81.0#

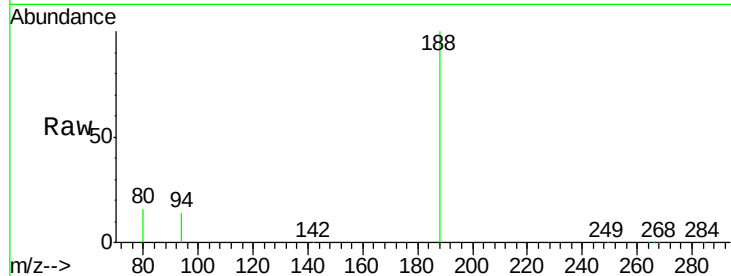




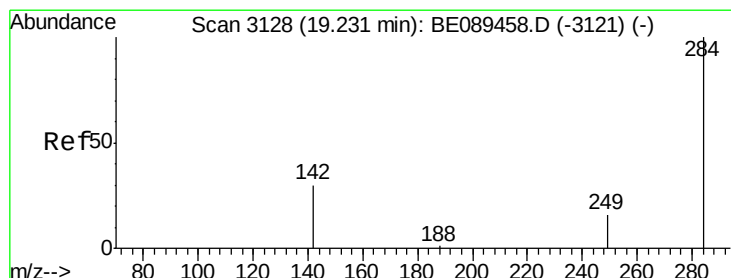
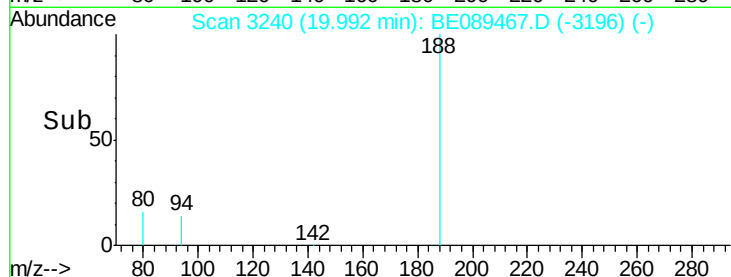
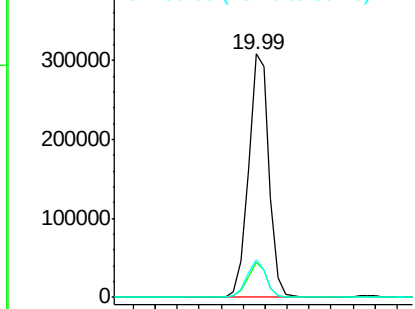
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 2 Feb 2015 22:27

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 396945
Ion Ratio Lower Upper
188 100
94 14.1 10.2 15.4
80 15.6 10.9 16.3

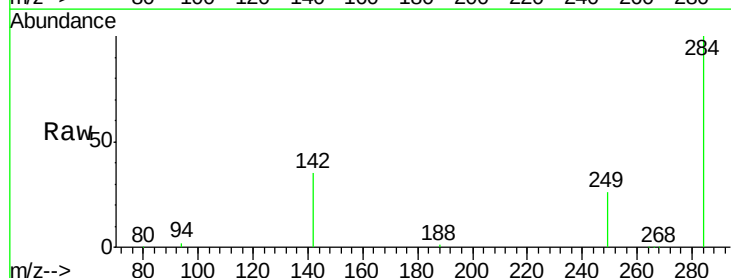


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

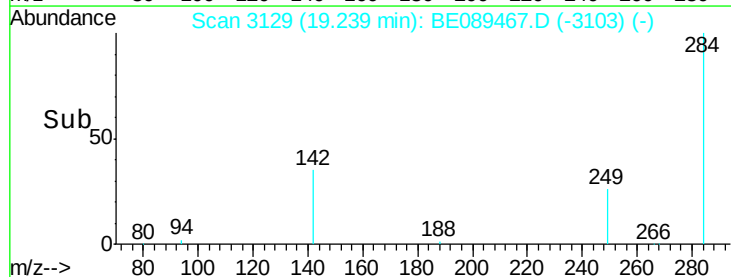
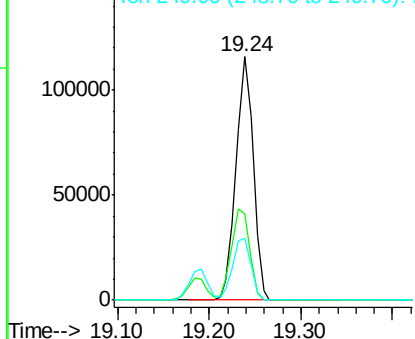


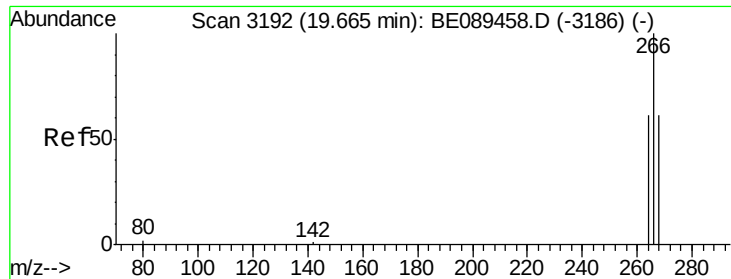
#18
Hexachlorobenzene
Concen: 7.17 ng
RT: 19.24 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BE089467.D
Acq: 2 Feb 2015 22:27

Tgt Ion:284 Resp: 149254
Ion Ratio Lower Upper
284 100
142 35.2 31.8 47.8
249 25.6 23.5 35.3



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

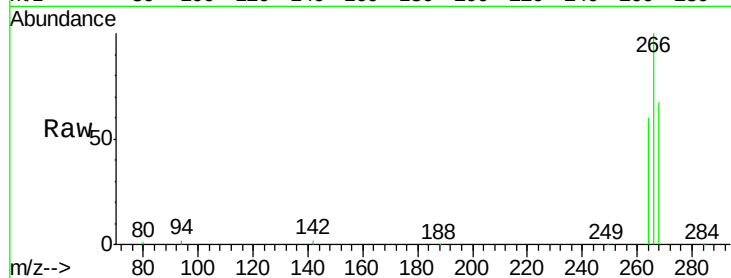




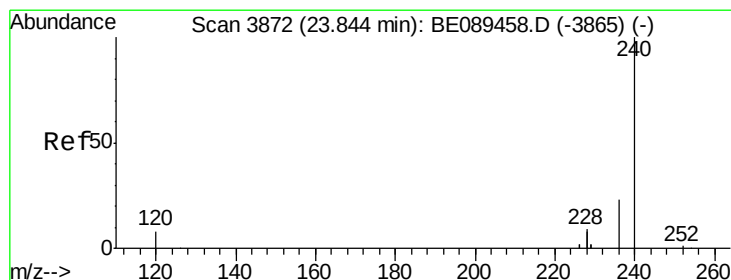
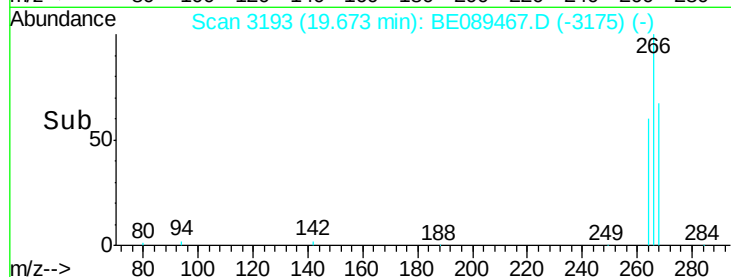
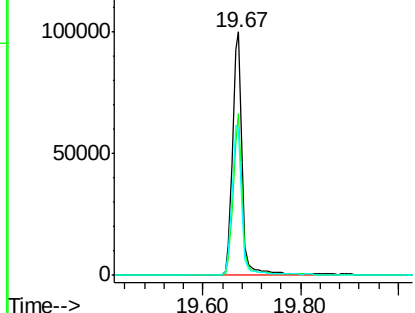
#19
 Pentachlorophenol
 Concen: 19.89 ng
 RT: 19.67 min Scan# 3193
 Delta R.T. 0.01 min
 Lab File: BE089467.D
 Acq: 2 Feb 2015 22:27

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:266 Resp: 139595
 Ion Ratio Lower Upper
 266 100
 268 66.6 52.6 78.8
 264 60.1 52.2 78.2

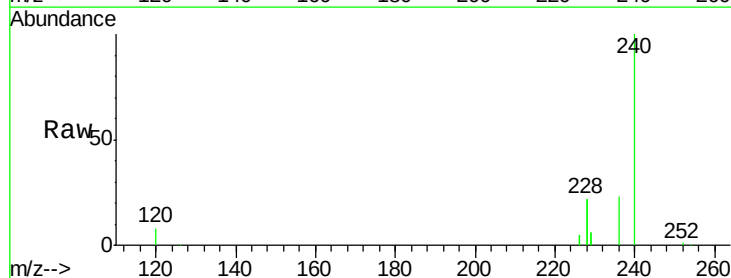


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

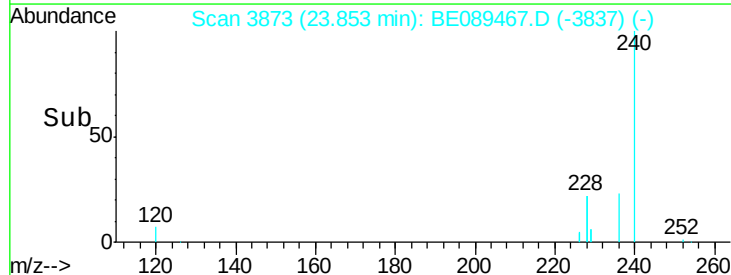
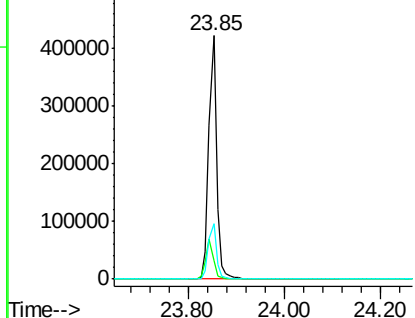


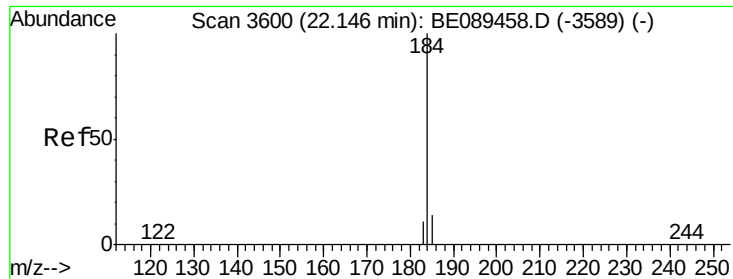
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.85 min Scan# 3873
 Delta R.T. 0.01 min
 Lab File: BE089467.D
 Acq: 2 Feb 2015 22:27

Tgt Ion:240 Resp: 470919
 Ion Ratio Lower Upper
 240 100
 120 7.5 6.2 9.4
 236 22.8 18.2 27.4



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: 0.32 ng

RT: 22.13 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

Instrument :

BNA_E

ClientSampleId :

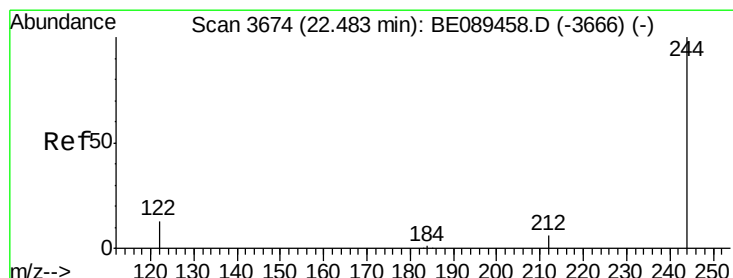
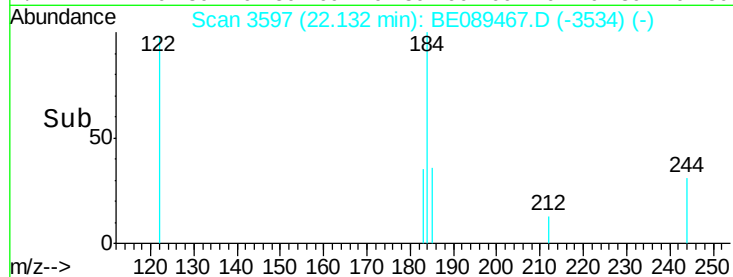
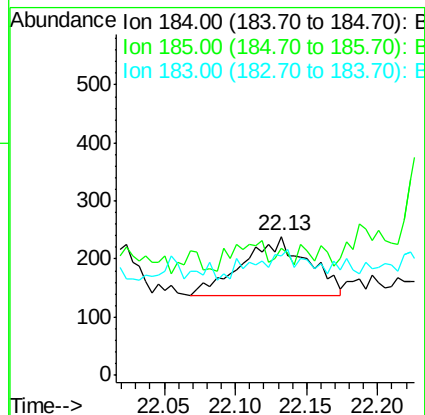
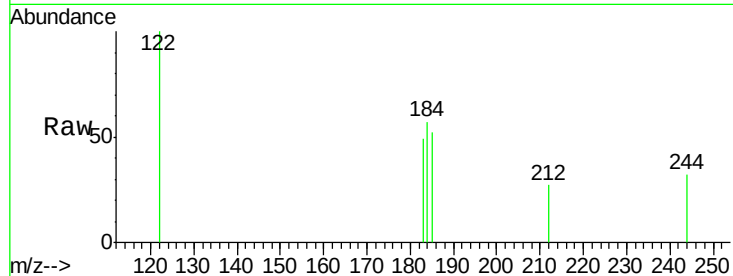
Tgt Ion:184 Resp: 329

Ion Ratio Lower Upper

184 100

185 91.2 11.7 17.5#

183 86.2 9.4 14.0#



#22

Terphenyl-d14

Concen: 10.63 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

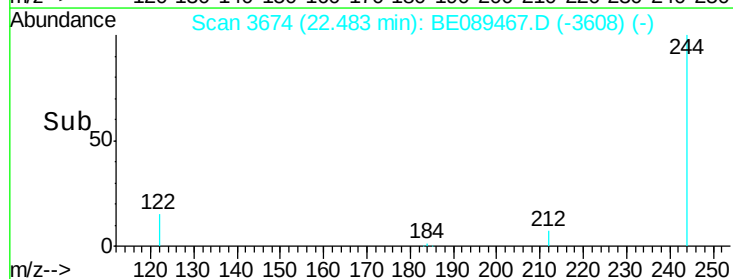
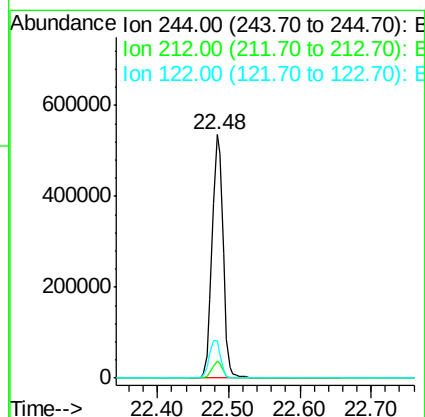
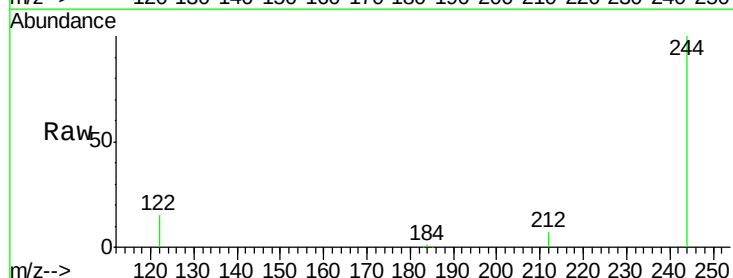
Tgt Ion:244 Resp: 566024

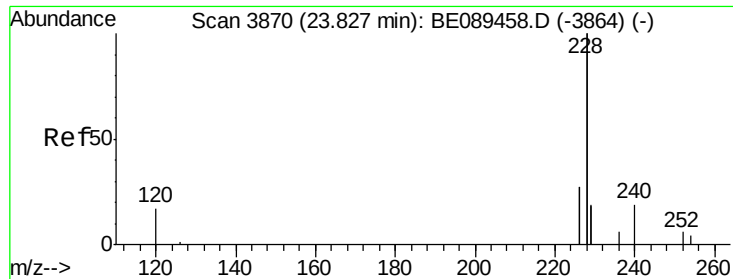
Ion Ratio Lower Upper

244 100

212 6.8 5.3 7.9

122 15.3 10.5 15.7

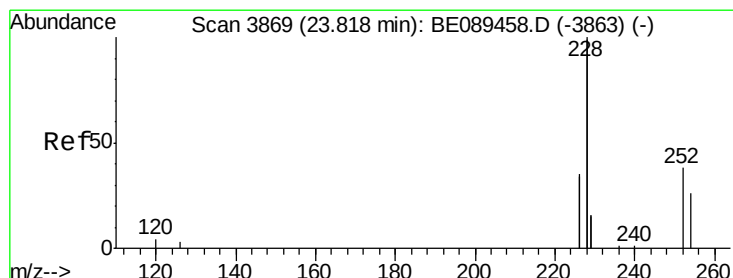
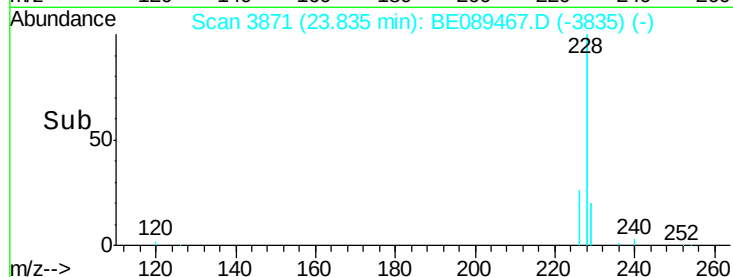
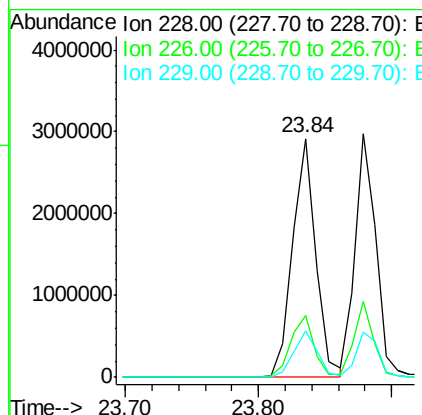
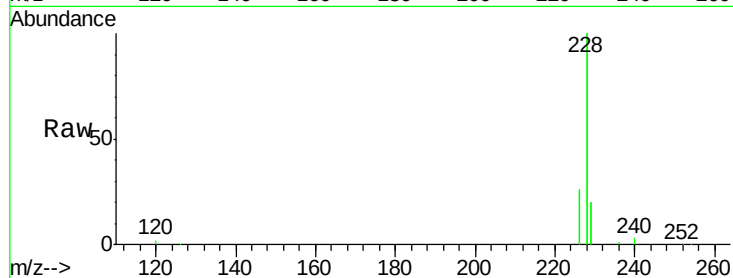




#23
Benzo(a)anthracene
Concen: 9.34 ng
RT: 23.84 min Scan# 3871
Delta R.T. 0.01 min
Lab File: BE089467.D
Acq: 2 Feb 2015 22:27

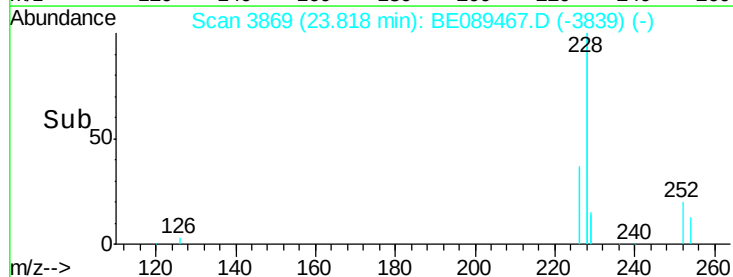
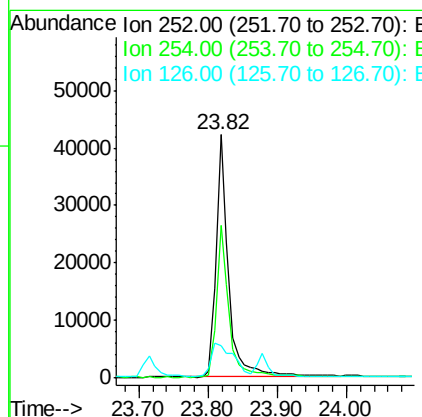
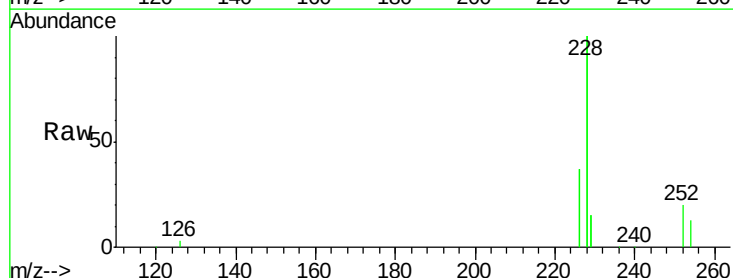
Instrument :
BNA_E
ClientSampleId :

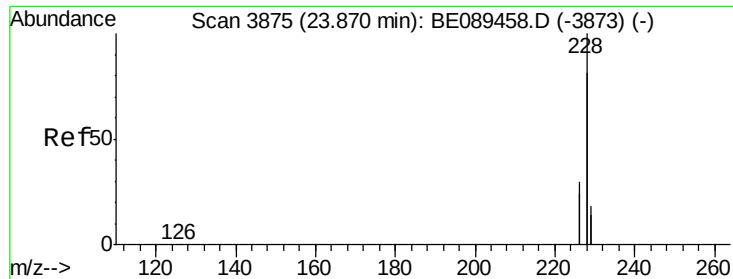
Tgt Ion:228 Resp: 3505739
Ion Ratio Lower Upper
228 100
226 26.0 21.7 32.5
229 19.7 14.8 22.2



#24
3,3'-Dichlorobenzidine
Concen: 1.36 ng
RT: 23.82 min Scan# 3869
Delta R.T. 0.00 min
Lab File: BE089467.D
Acq: 2 Feb 2015 22:27

Tgt Ion:252 Resp: 53700
Ion Ratio Lower Upper
252 100
254 62.9 54.6 82.0
126 13.2 8.0 12.0#





#25

Chrysene

Concen: 7.18 ng

RT: 23.88 min Scan# 3876

Delta R.T. 0.01 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

Instrument :

BNA_E

ClientSampleId :

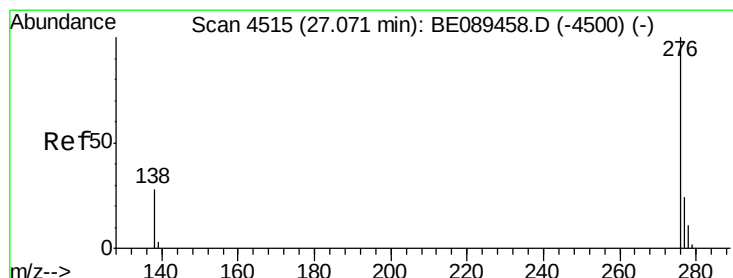
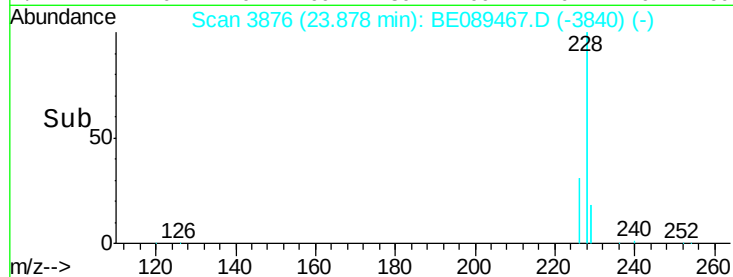
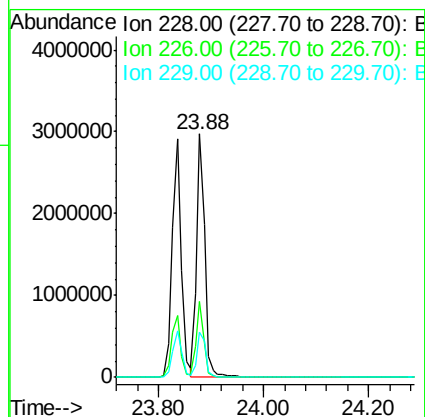
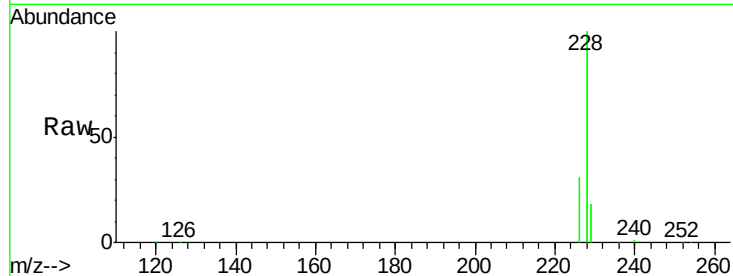
Tgt Ion:228 Resp: 3291535

Ion Ratio Lower Upper

228 100

226 31.3 23.8 35.8

229 18.3 14.3 21.5



#26

Indeno(1,2,3-cd)pyrene

Concen: 5.66 ng

RT: 27.09 min Scan# 4519

Delta R.T. 0.02 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

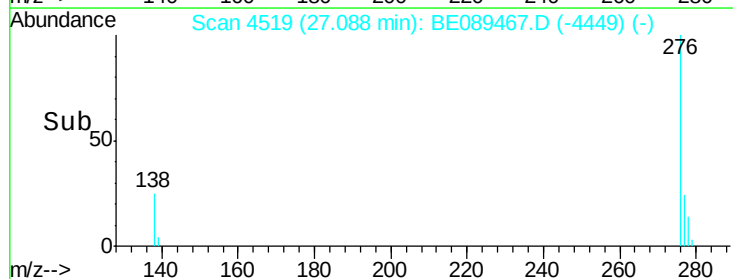
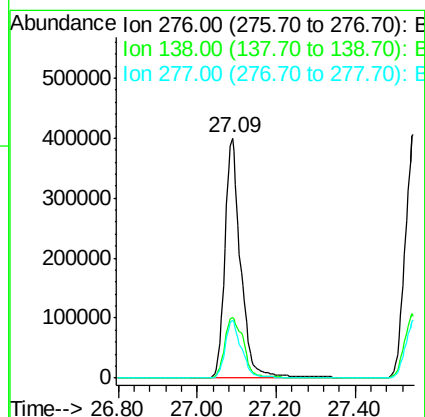
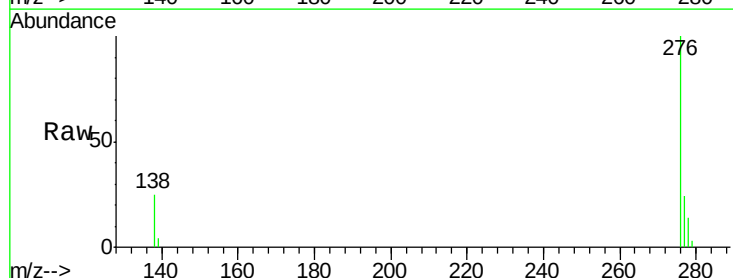
Tgt Ion:276 Resp: 1118531

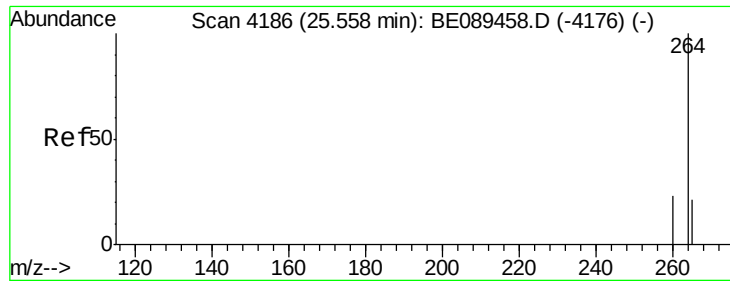
Ion Ratio Lower Upper

276 100

138 30.5 23.3 34.9

277 25.1 19.0 28.4

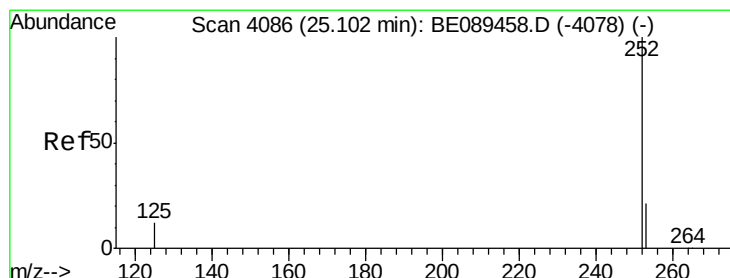
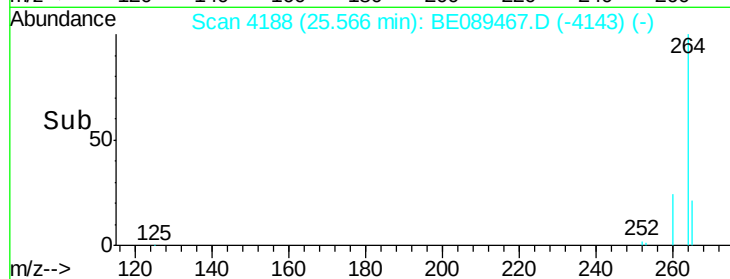
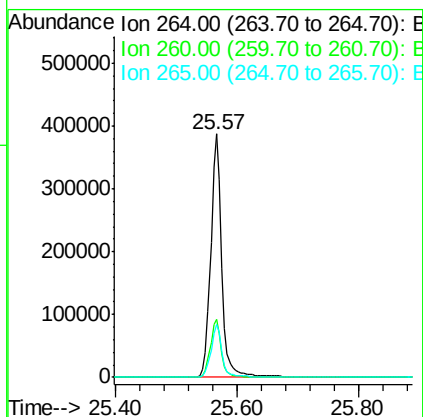
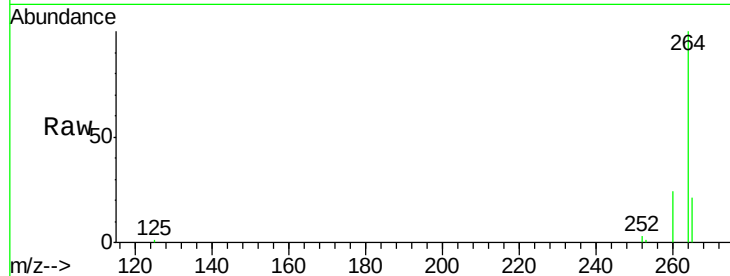




#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.57 min Scan# 4188
 Delta R.T. 0.01 min
 Lab File: BE089467.D
 Acq: 2 Feb 2015 22:27

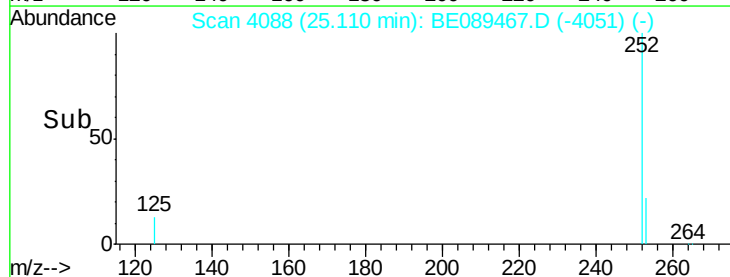
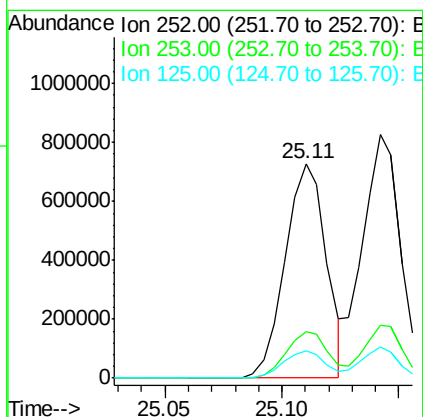
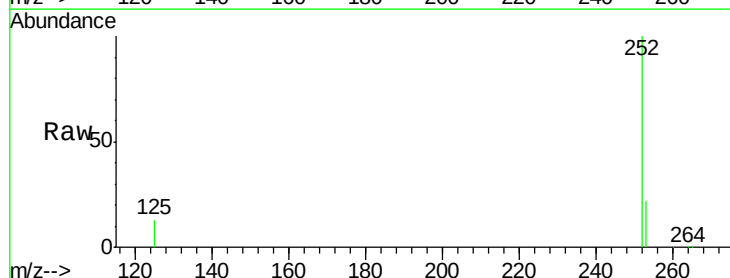
Instrument :
 BNA_E
 ClientSampleId :

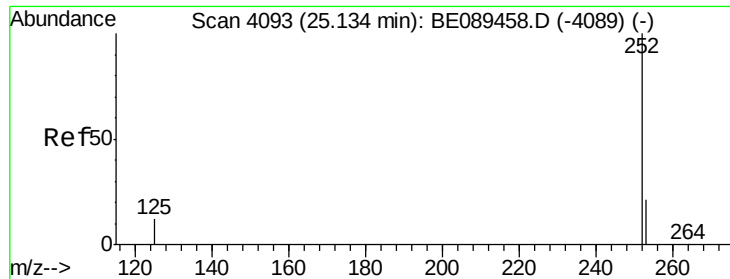
Tgt Ion:264 Resp: 495809
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.7 28.1
 265 21.5 17.0 25.6



#28
 Benzo(b)fluoranthene
 Concen: 8.87 ng
 RT: 25.11 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: BE089467.D
 Acq: 2 Feb 2015 22:27

Tgt Ion:252 Resp: 885879
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.4 26.0
 125 12.8 10.4 15.6





#29

Benzo(k)fluoranthene

Concen: 8.11 ng

RT: 25.14 min Scan# 4095

Delta R.T. 0.01 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

Instrument :

BNA_E

ClientSampleId :

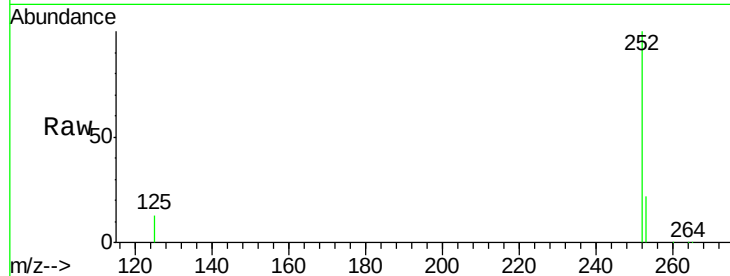
Tgt Ion:252 Resp: 1002378

Ion Ratio Lower Upper

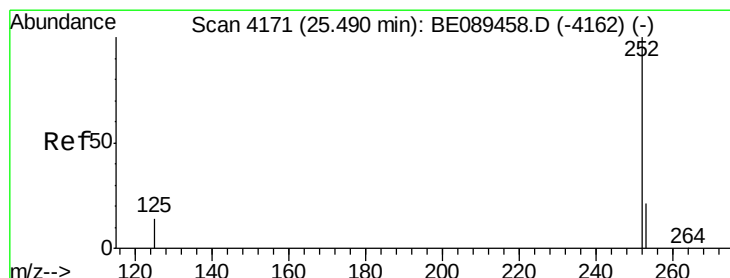
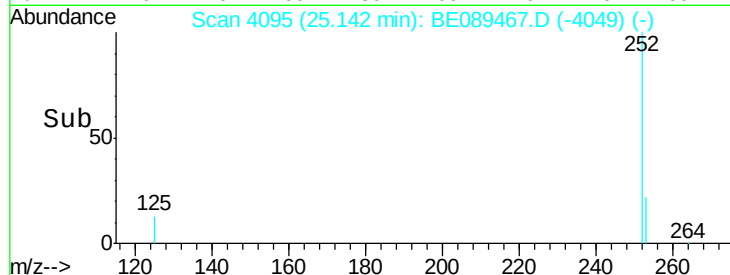
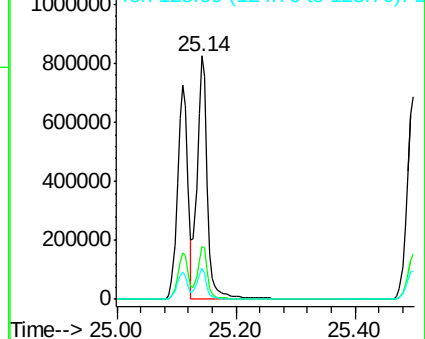
252 100

253 21.7 17.5 26.3

125 13.1 10.3 15.5



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: 8.48 ng

RT: 25.50 min Scan# 4173

Delta R.T. 0.01 min

Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

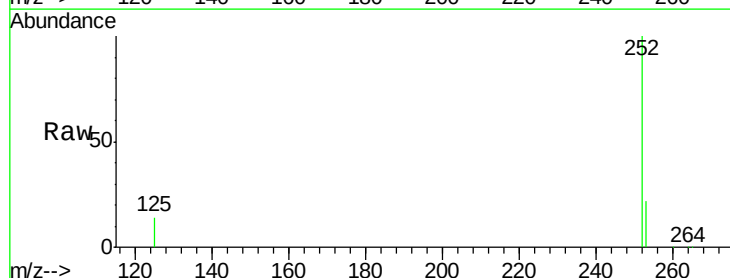
Tgt Ion:252 Resp: 914465

Ion Ratio Lower Upper

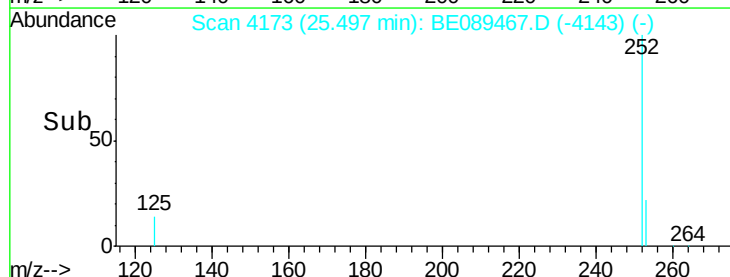
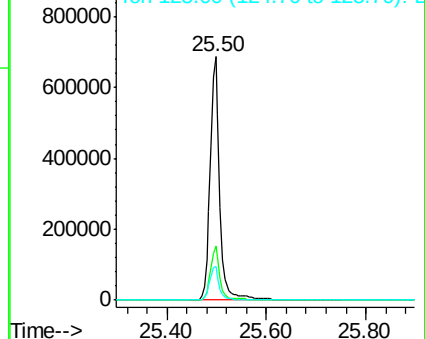
252 100

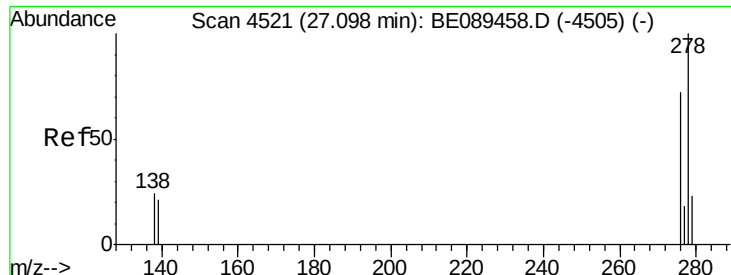
253 22.0 17.5 26.3

125 13.8 11.8 17.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 7.10 ng

RT: 27.12 min Scan# 4525

Delta R.T. 0.02 min

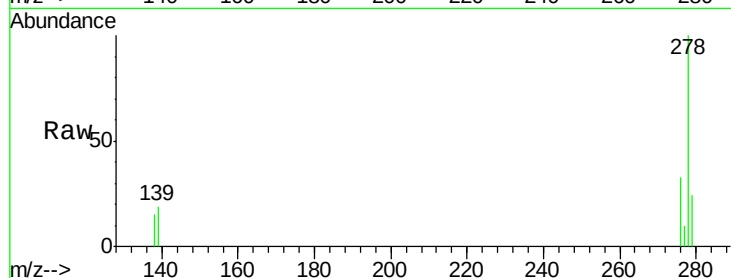
Lab File: BE089467.D

Acq: 2 Feb 2015 22:27

Instrument :

BNA_E

ClientSampleId :



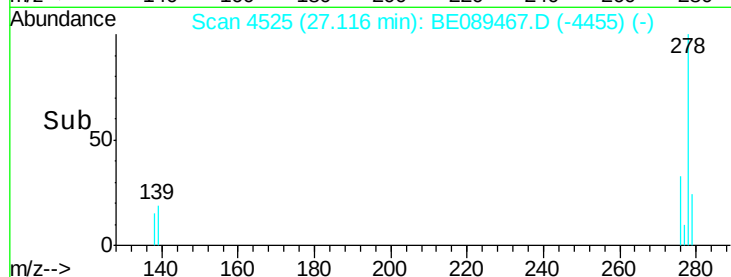
Tgt Ion: 278 Resp: 990059

Ion Ratio Lower Upper

278 100

139 18.8 17.1 25.7

279 23.8 18.8 28.2



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

