

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089463.D
 Acq On : 2 Feb 2015 19:48
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE020215

Quant Time: Feb 03 04:20:22 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	36372	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	130017	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	43710	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	66781	5.00	ng	0.00
20) Chrysene-d12	23.84	240	93428	5.00	ng	0.00
27) Perylene-d12	25.56	264	118836	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.75	112	11636	0.96	ng	0.00
4) Phenol-d6	8.86	99	13696	0.96	ng	0.00
8) Nitrobenzene-d5	10.84	82	9072	0.96	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	873	0.79	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	12290	1.01	ng	0.00
22) Terphenyl-d14	22.48	244	9434	0.89	ng	0.00

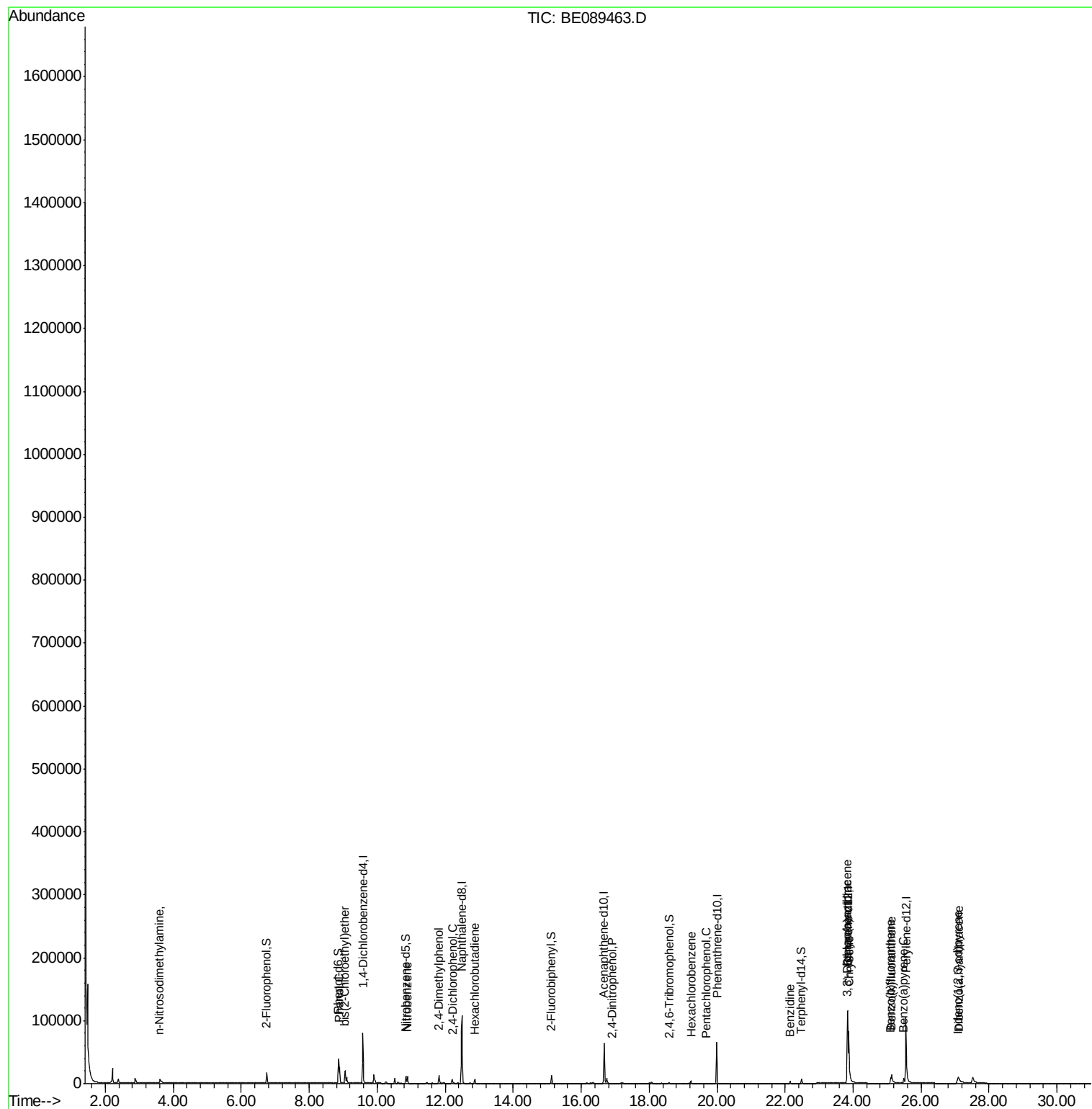
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.60	42	6188	0.98	ng	# 85
5) Phenol	8.90	94	14729	0.96	ng	# 78
6) bis(2-Chloroethyl)ether	9.06	93	10781	0.97	ng	# 97
9) Nitrobenzene	10.89	77	10314	0.96	ng	100
10) 2,4-Dimethylphenol	11.82	122	7368	0.96	ng	90
11) 2,4-Dichlorophenol	12.21	162	5530	0.95	ng	95
12) Hexachlorobutadiene	12.87	225	3969	0.97	ng	99
16) 2,4-Dinitrophenol	16.92	184	157	0.59	ng	# 83
18) Hexachlorobenzene	19.23	284	3574	1.02	ng	95
19) Pentachlorophenol	19.67	266	205	0.68	ng	# 82
21) Benzidine	22.14	184	4413	0.70	ng	99
23) Benzo(a)anthracene	23.83	228	61223	0.82	ng	98
24) 3,3'-Dichlorobenzidine	23.82	252	5298	0.77	ng	# 98
25) Chrysene	23.87	228	92649	1.02	ng	99
26) Indeno(1,2,3-cd)pyrene	27.07	276	22196	0.76	ng	96
28) Benzo(b)fluoranthene	25.10	252	10254	0.67	ng	98
29) Benzo(k)fluoranthene	25.13	252	29145	0.98	ng	99
30) Benzo(a)pyrene	25.49	252	13443	0.74	ng	97
31) Dibenzo(a,h)anthracene	27.10	278	17167	0.71	ng	99

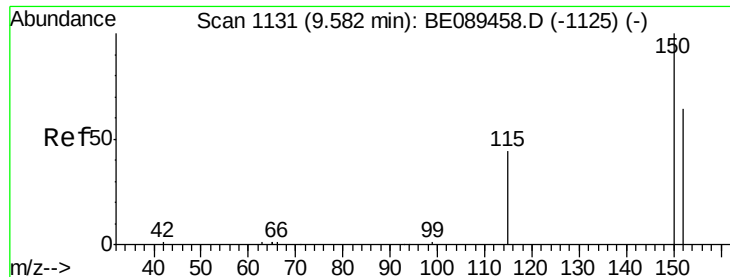
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

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BNA_E

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ICVBE020215

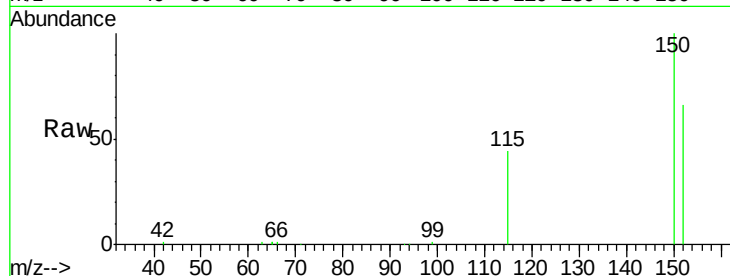
Tgt Ion:152 Resp: 36372

Ion Ratio Lower Upper

152 100

150 152.1 124.6 186.8

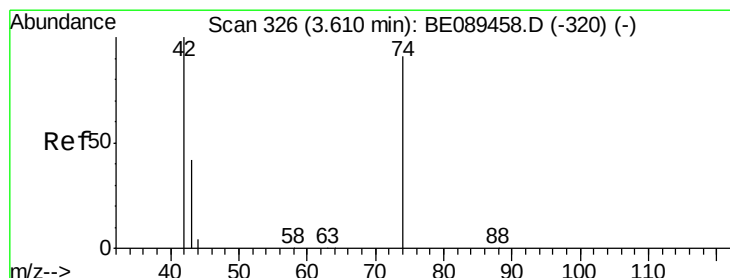
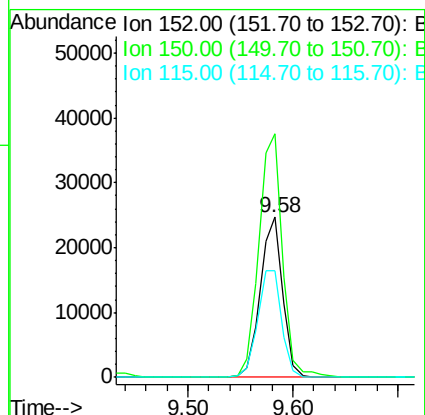
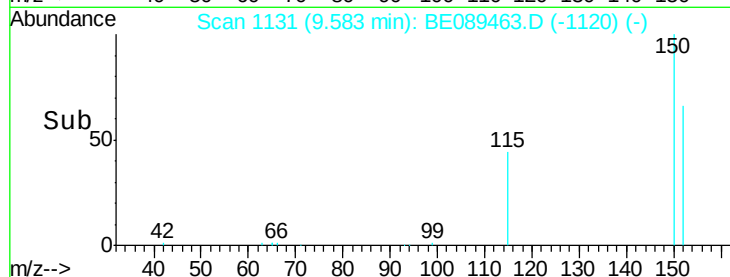
115 66.5 55.4 83.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 0.98 ng

RT: 3.60 min Scan# 325

Delta R.T. -0.01 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

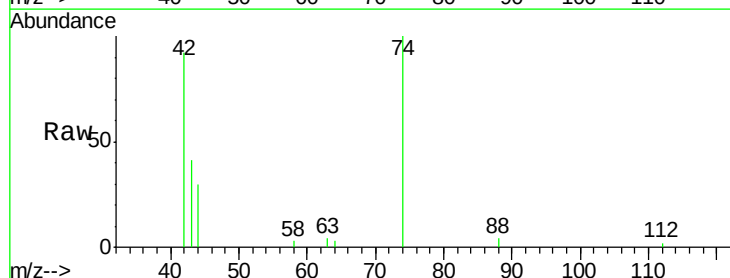
Tgt Ion: 42 Resp: 6188

Ion Ratio Lower Upper

42 100

74 108.6 72.1 108.1#

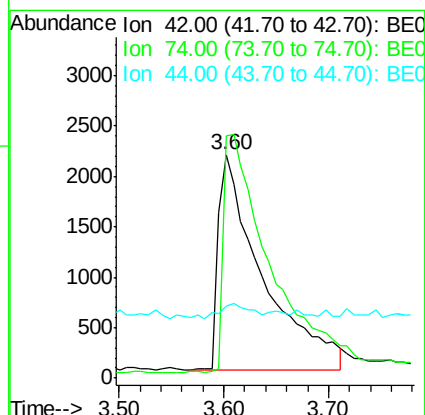
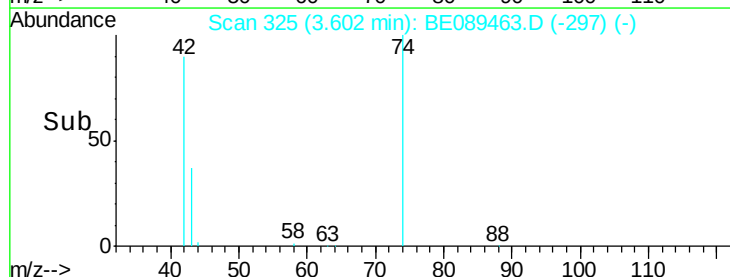
44 32.3 28.0 42.0

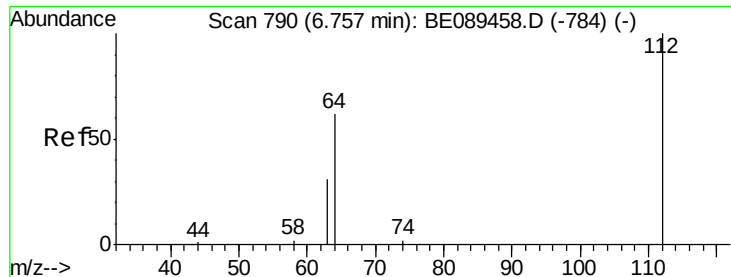


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

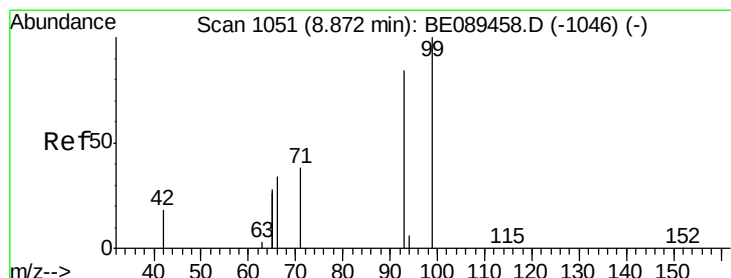
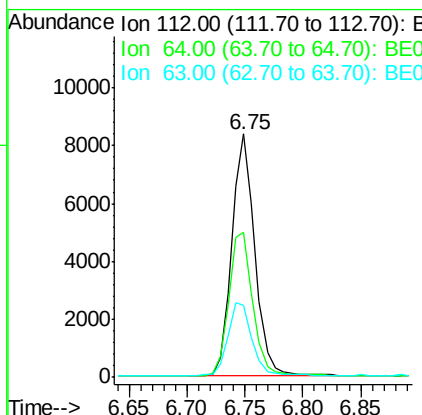
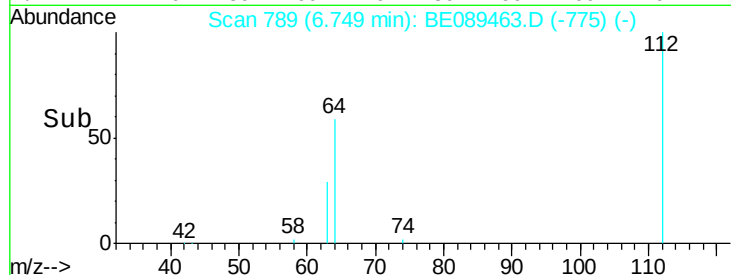
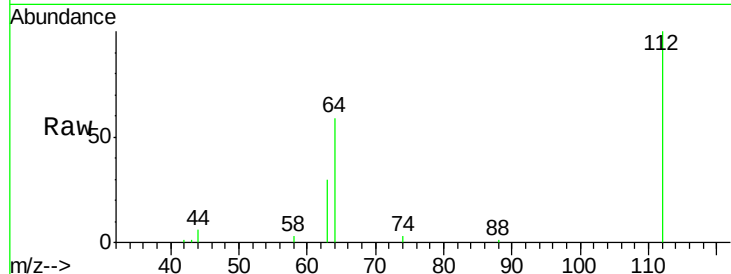




#3
 2-Fluorophenol
 Concen: 0.96 ng
 RT: 6.75 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BE089463.D
 Acq: 2 Feb 2015 19:48

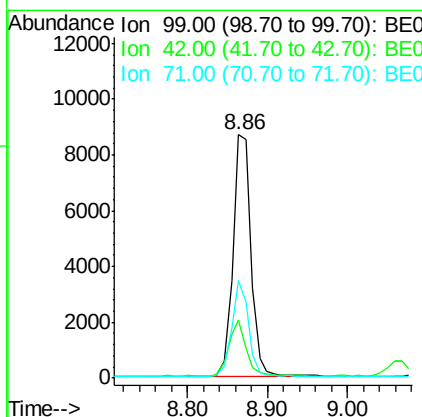
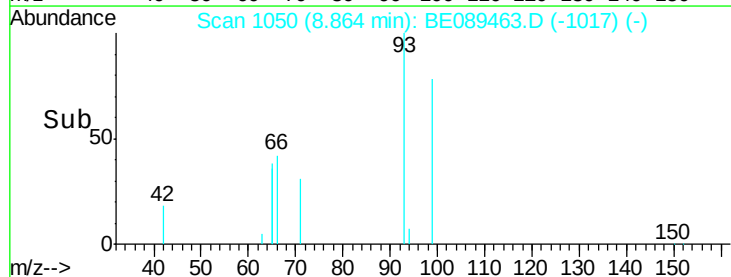
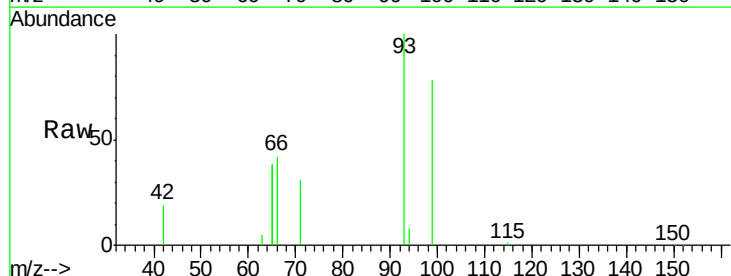
Instrument :
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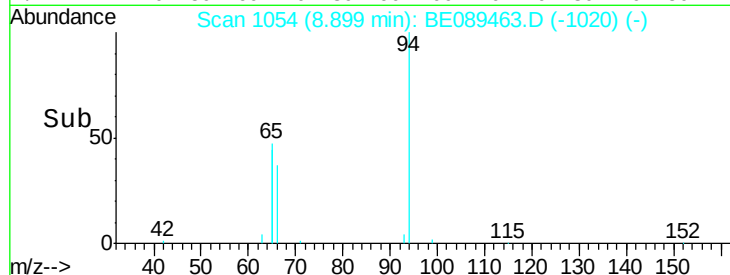
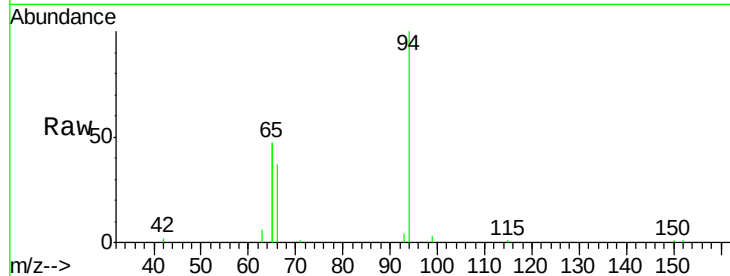
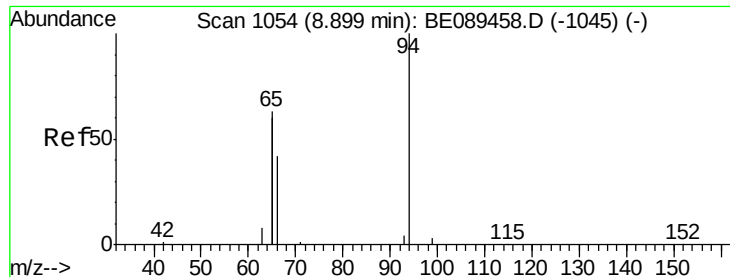
Tgt Ion:	112	Resp:	11636
Ion	Ratio	Lower	Upper
112	100		
64	59.3	49.8	74.8
63	29.8	24.9	37.3



#4
 Phenol-d6
 Concen: 0.96 ng
 RT: 8.86 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BE089463.D
 Acq: 2 Feb 2015 19:48

Tgt Ion:	99	Resp:	13696
Ion	Ratio	Lower	Upper
99	100		
42	23.8	15.0	22.4#
71	40.2	30.6	46.0





#5

Phenol

Concen: 0.96 ng

RT: 8.90 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020215

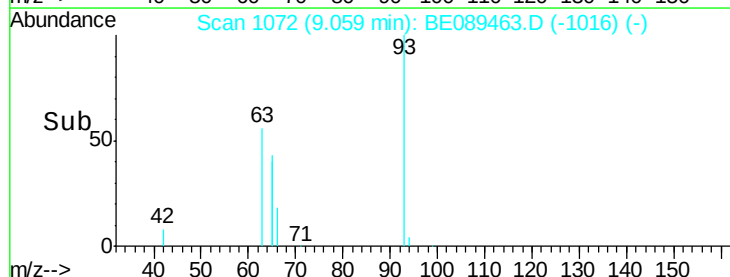
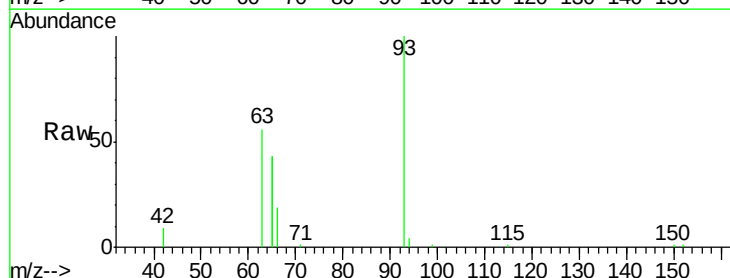
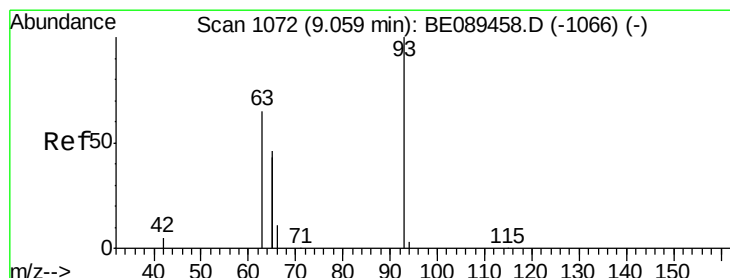
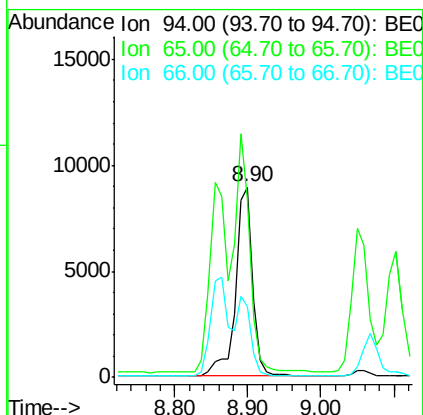
Tgt Ion: 94 Resp: 14729

Ion Ratio Lower Upper

94 100

65 94.1 105.0 145.0#

66 37.0 22.4 62.4



#6

bis(2-Chloroethyl)ether

Concen: 0.97 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

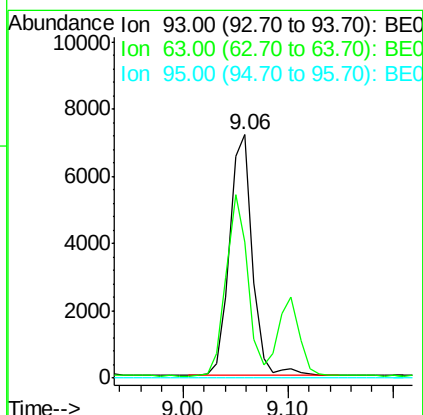
Tgt Ion: 93 Resp: 10781

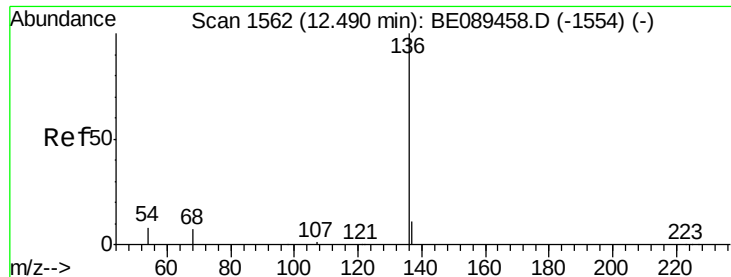
Ion Ratio Lower Upper

93 100

63 71.7 59.2 88.8

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.49 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020215

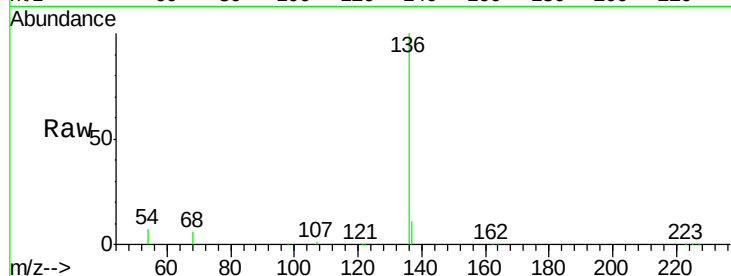
Tgt Ion: 136 Resp: 130017

Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

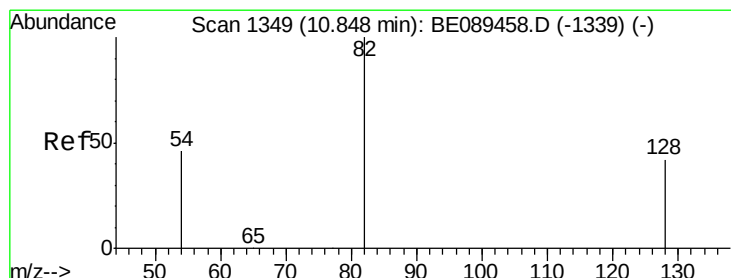
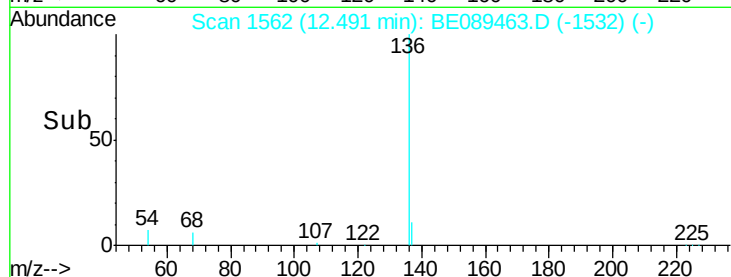
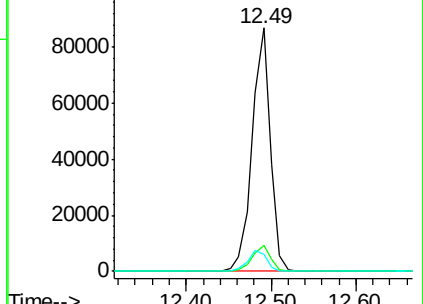
54 7.0 6.5 9.7



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: 0.96 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

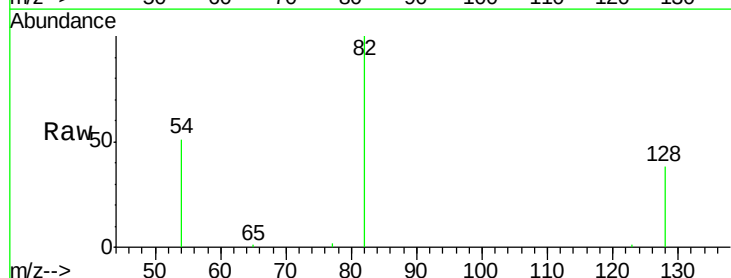
Tgt Ion: 82 Resp: 9072

Ion Ratio Lower Upper

82 100

128 38.3 34.2 51.2

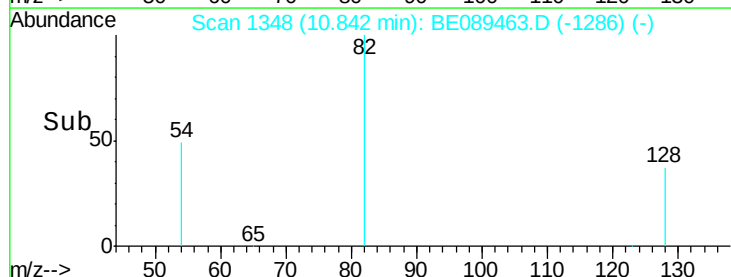
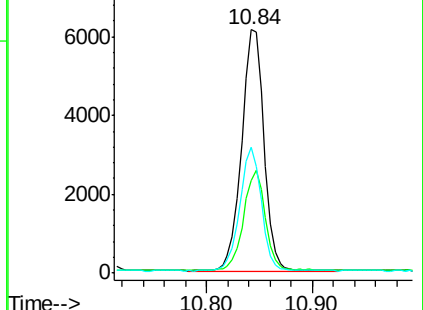
54 51.4 37.3 55.9

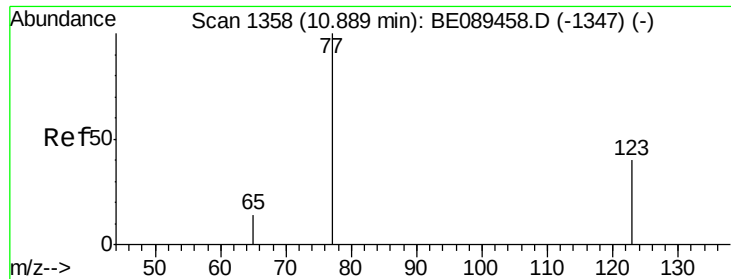


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.96 ng

RT: 10.89 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

Instrument :

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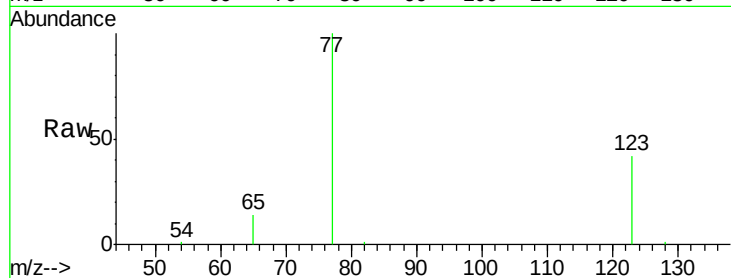
Tgt Ion: 77 Resp: 10314

Ion Ratio Lower Upper

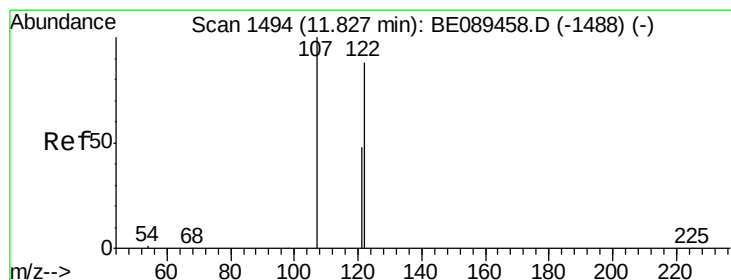
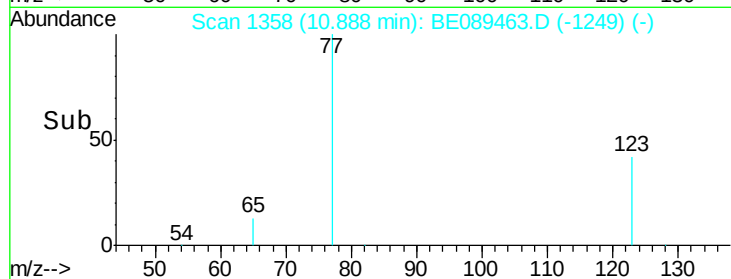
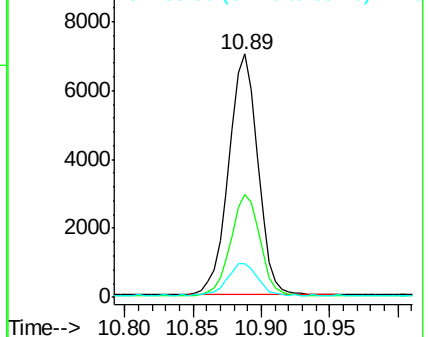
77 100

123 41.9 33.6 50.4

65 13.4 11.0 16.6



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 0.96 ng

RT: 11.82 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

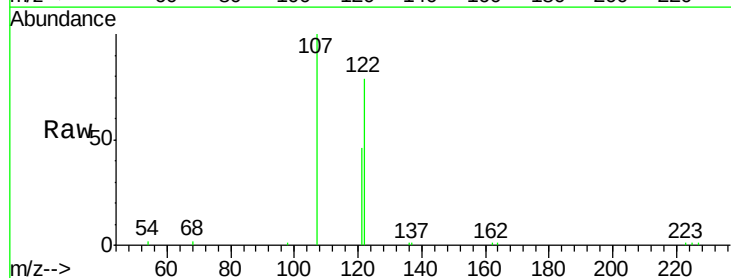
Tgt Ion: 122 Resp: 7368

Ion Ratio Lower Upper

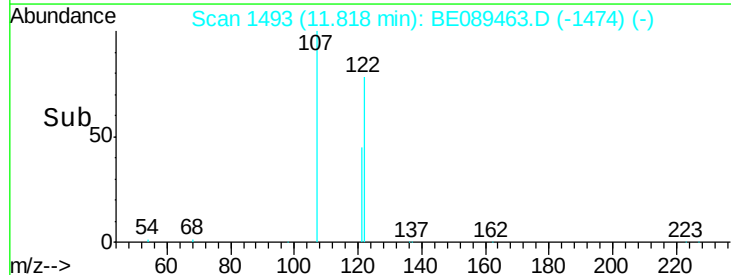
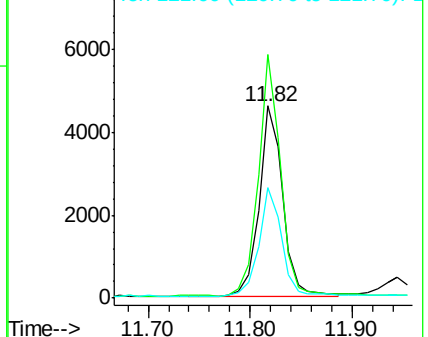
122 100

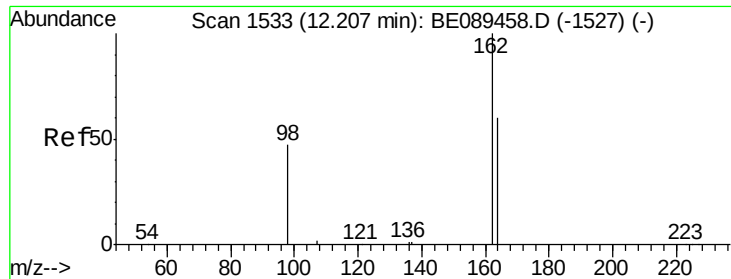
107 126.9 90.6 136.0

121 57.9 43.7 65.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

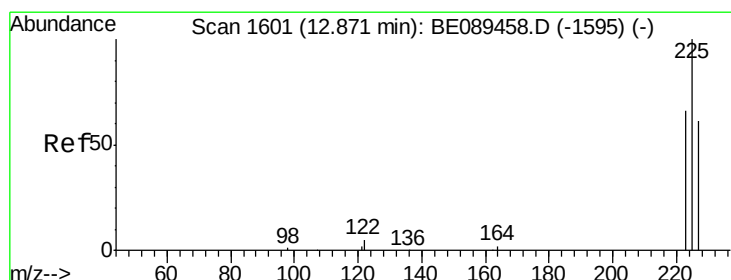
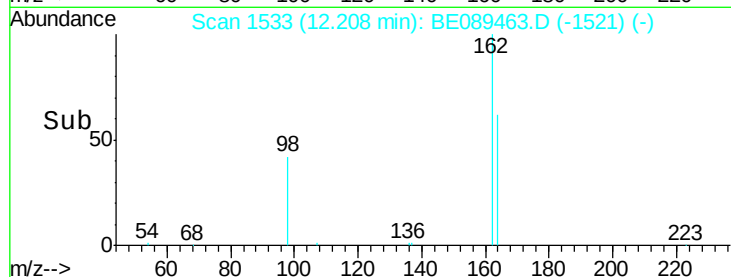
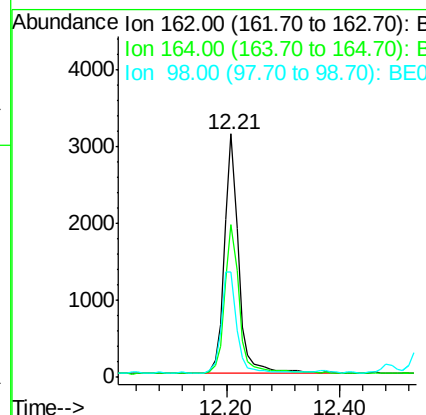
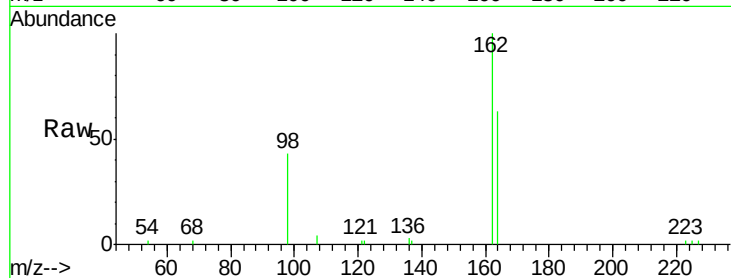




#11
2,4-Dichlorophenol
Concen: 0.95 ng
RT: 12.21 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BE089463.D
Acq: 2 Feb 2015 19:48

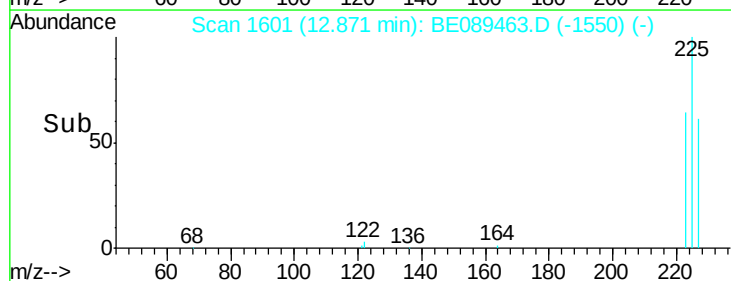
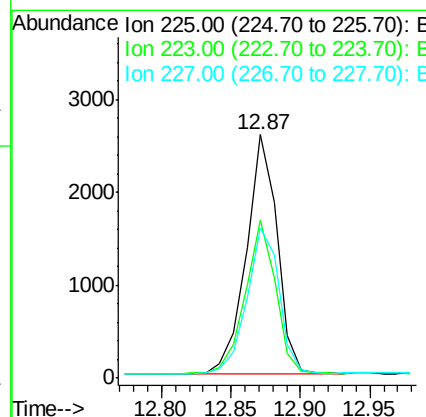
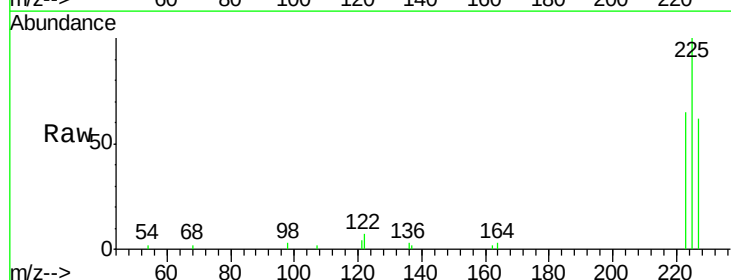
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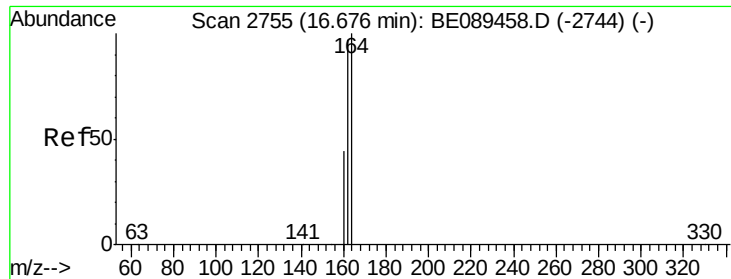
Tgt Ion:162 Resp: 5530
Ion Ratio Lower Upper
162 100
164 62.5 40.5 80.5
98 43.0 28.1 68.1



#12
Hexachlorobutadiene
Concen: 0.97 ng
RT: 12.87 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BE089463.D
Acq: 2 Feb 2015 19:48

Tgt Ion:225 Resp: 3969
Ion Ratio Lower Upper
225 100
223 62.9 50.2 75.2
227 63.6 49.9 74.9





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020215

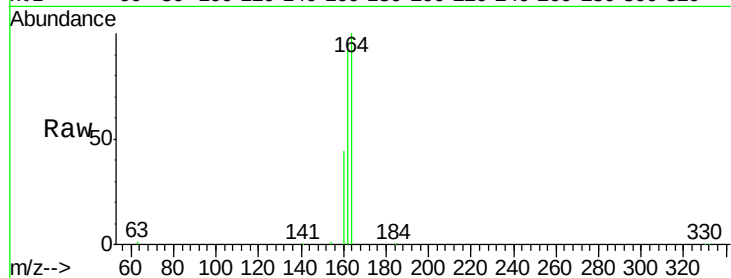
Tgt Ion:164 Resp: 43710

Ion Ratio Lower Upper

164 100

162 96.1 77.4 116.2

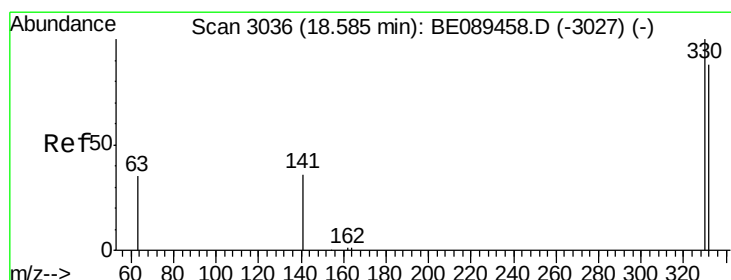
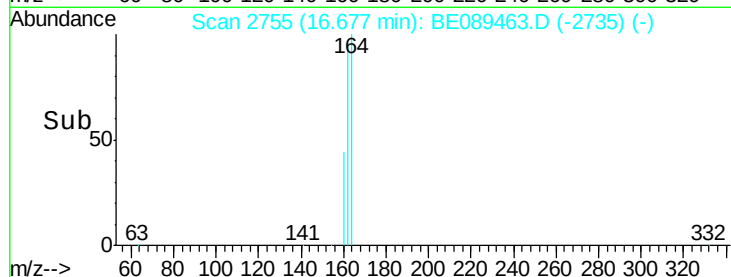
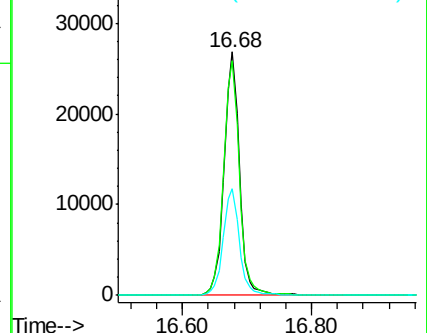
160 43.8 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.79 ng

RT: 18.59 min Scan# 3036

Delta R.T. 0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

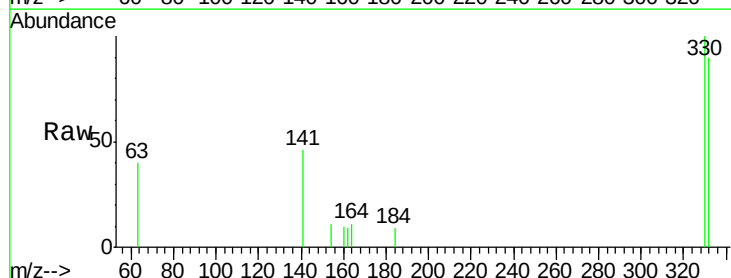
Tgt Ion:330 Resp: 873

Ion Ratio Lower Upper

330 100

332 99.5 75.4 113.2

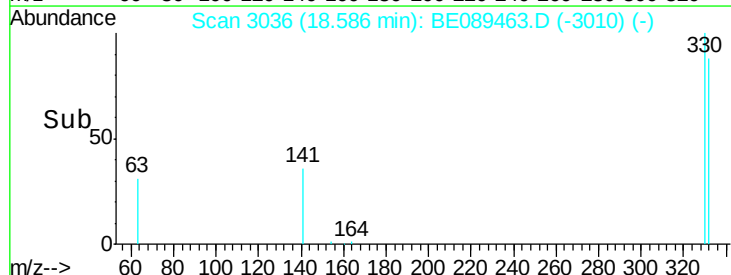
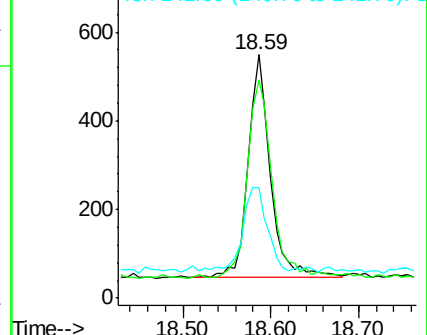
141 44.7 35.7 53.5

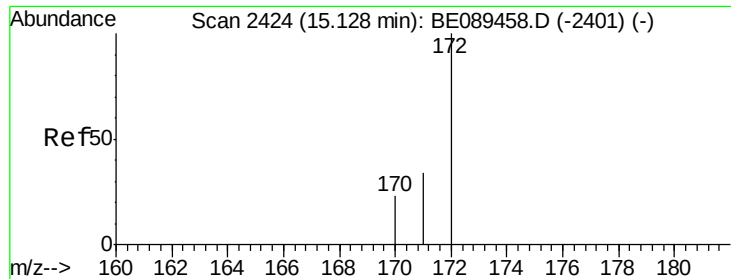


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

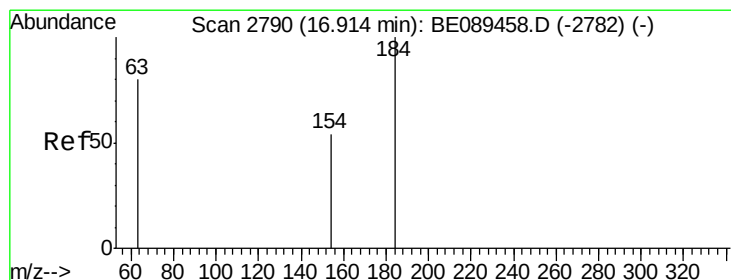
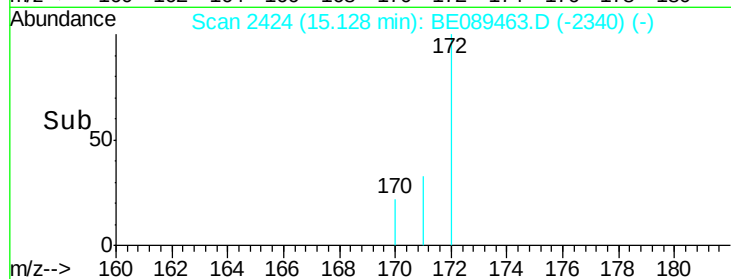
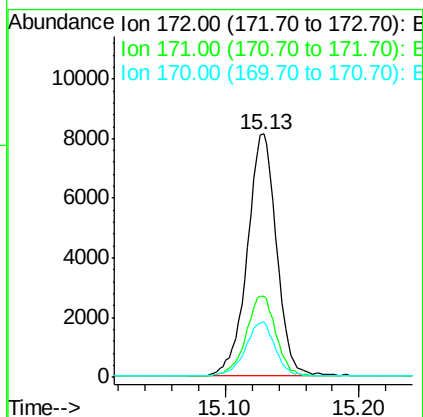
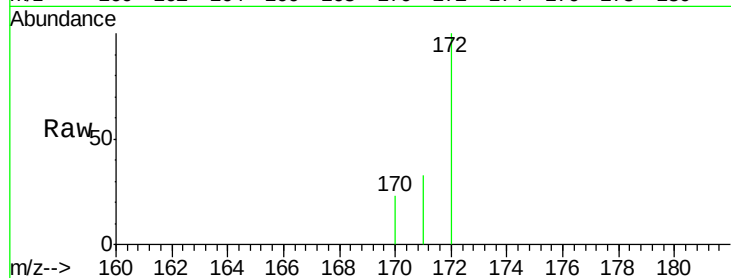




#15
2-Fluorobiphenyl
Concen: 1.01 ng
RT: 15.13 min Scan# 2424
Delta R.T. 0.00 min
Lab File: BE089463.D
Acq: 2 Feb 2015 19:48

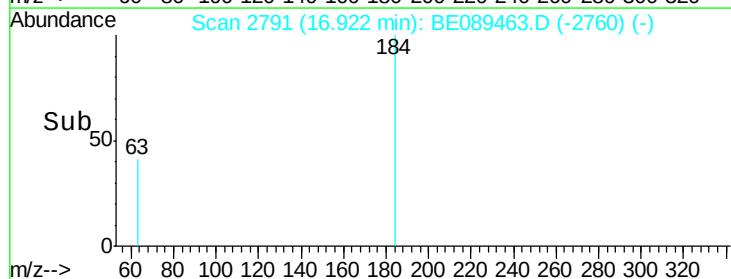
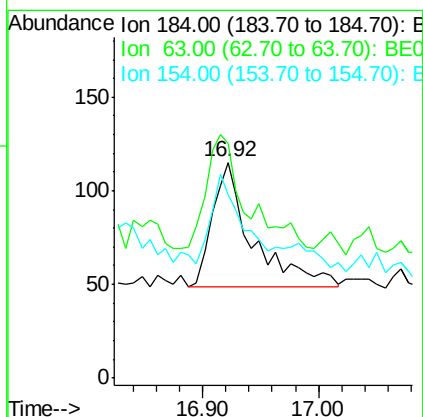
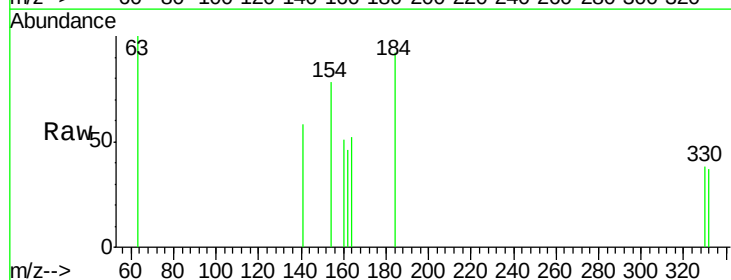
Instrument :
BNA_E
ClientSampleId :
ICVBE020215

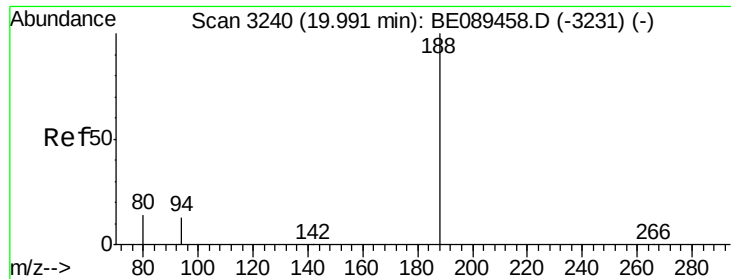
Tgt Ion:172 Resp: 12290
Ion Ratio Lower Upper
172 100
171 33.0 27.7 41.5
170 22.7 18.3 27.5



#16
2,4-Dinitrophenol
Concen: 0.59 ng
RT: 16.92 min Scan# 2791
Delta R.T. 0.01 min
Lab File: BE089463.D
Acq: 2 Feb 2015 19:48

Tgt Ion:184 Resp: 157
Ion Ratio Lower Upper
184 100
63 108.7 77.0 115.6
154 85.2 54.0 81.0#

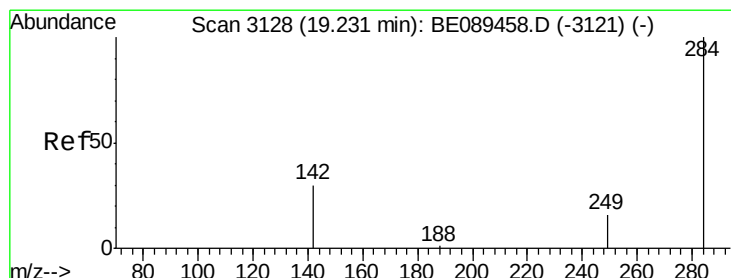
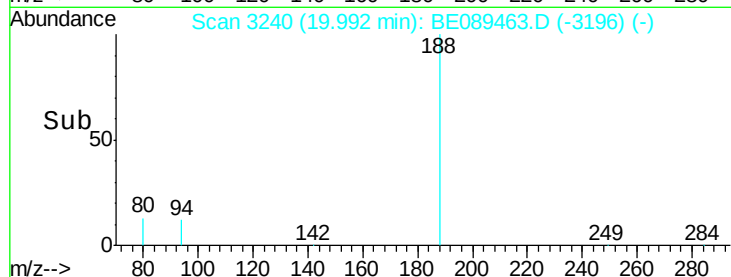
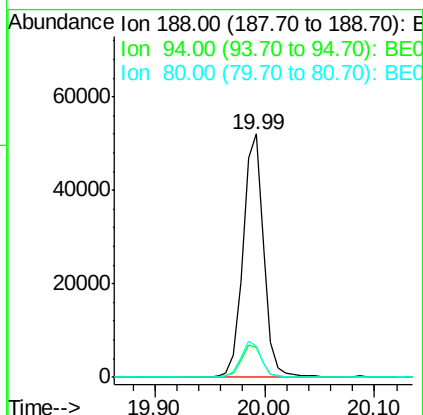
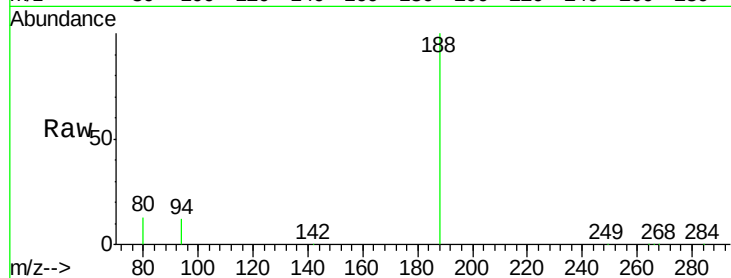




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.00 min
Lab File: BE089463.D
Acq: 2 Feb 2015 19:48

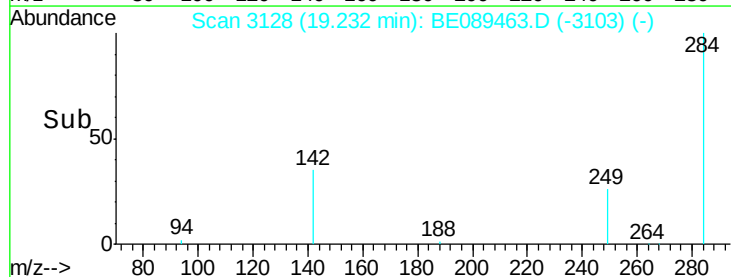
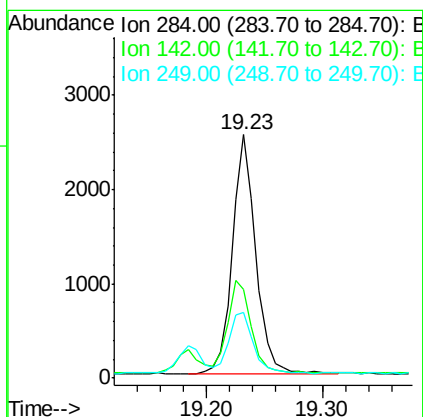
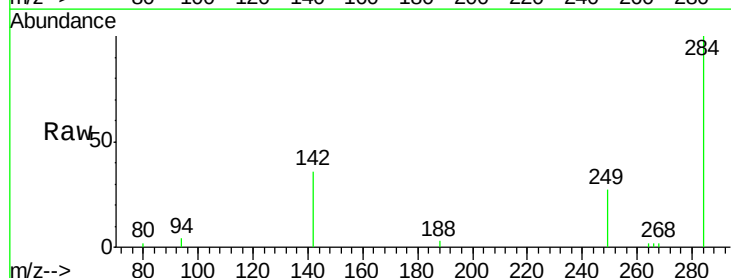
Instrument :
BNA_E
ClientSampleId :
ICVBE020215

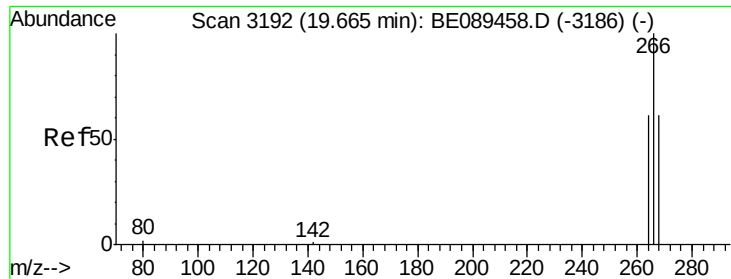
Tgt Ion:188 Resp: 66781
Ion Ratio Lower Upper
188 100
94 12.2 10.2 15.4
80 12.7 10.9 16.3



#18
Hexachlorobenzene
Concen: 1.02 ng
RT: 19.23 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BE089463.D
Acq: 2 Feb 2015 19:48

Tgt Ion:284 Resp: 3574
Ion Ratio Lower Upper
284 100
142 36.3 31.8 47.8
249 27.1 23.5 35.3





#19

Pentachlorophenol

Concen: 0.68 ng

RT: 19.67 min Scan# 3192

Delta R.T. 0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020215

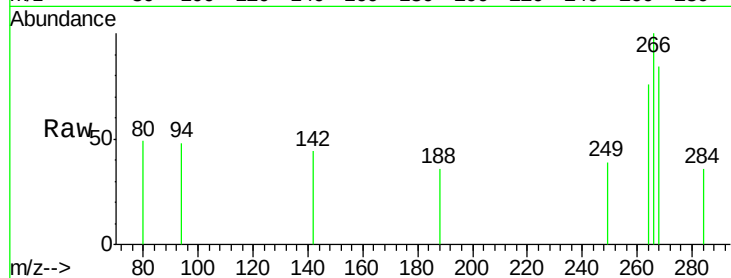
Tgt Ion:266 Resp: 205

Ion Ratio Lower Upper

266 100

268 83.6 52.6 78.8#

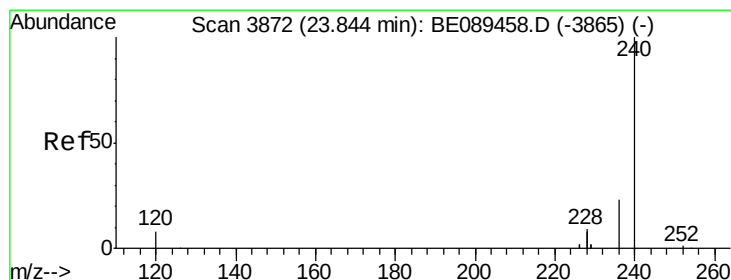
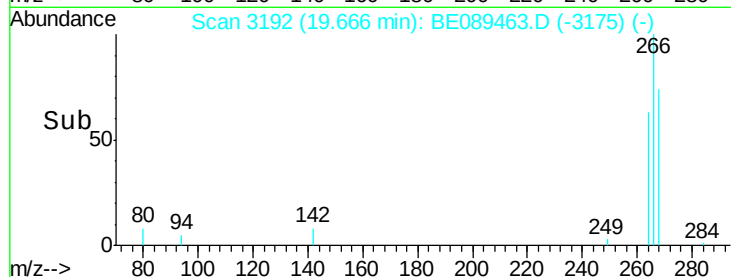
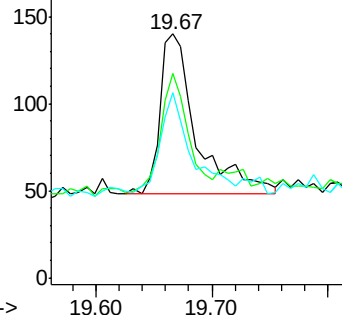
264 75.7 52.2 78.2



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: 23.84 min Scan# 3873

Delta R.T. -0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

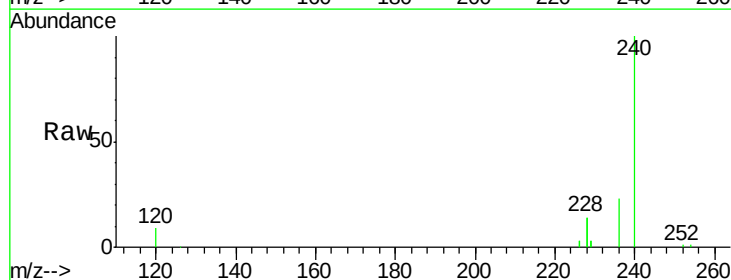
Tgt Ion:240 Resp: 93428

Ion Ratio Lower Upper

240 100

120 9.3 6.2 9.4

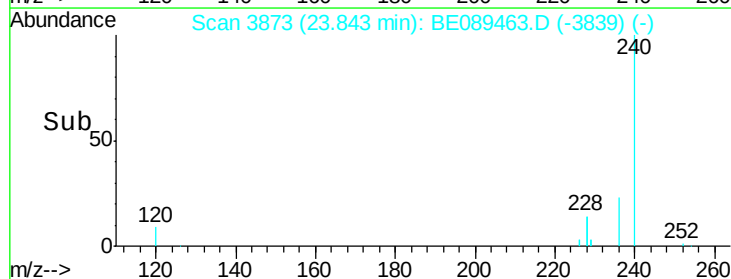
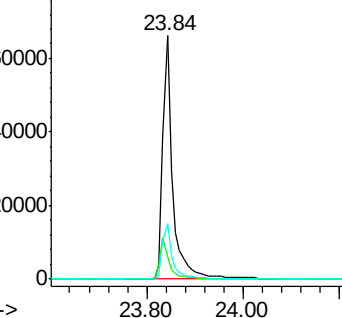
236 22.9 18.2 27.4

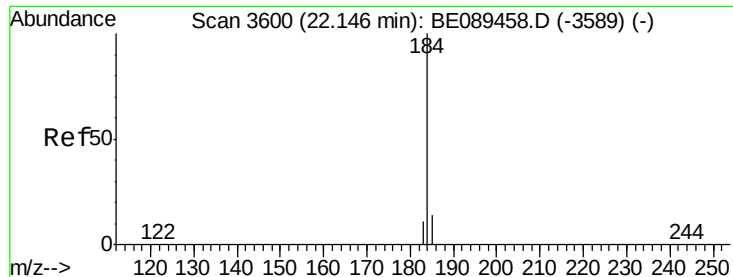


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 0.70 ng

RT: 22.14 min Scan# 3600

Delta R.T. -0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020215

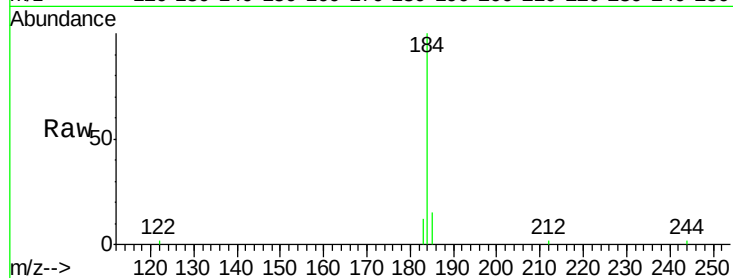
Tgt Ion:184 Resp: 4413

Ion Ratio Lower Upper

184 100

185 14.8 11.7 17.5

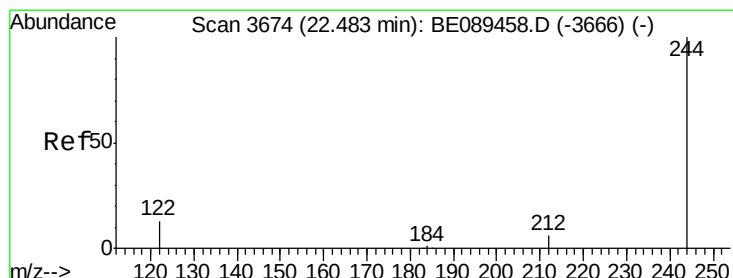
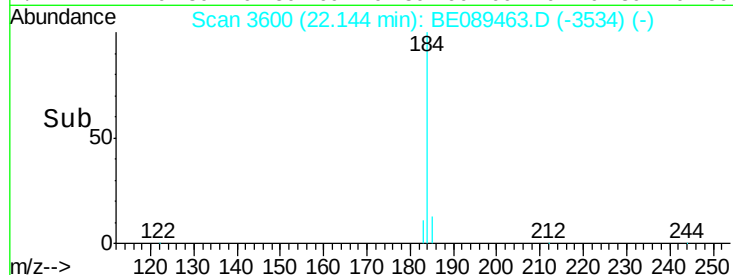
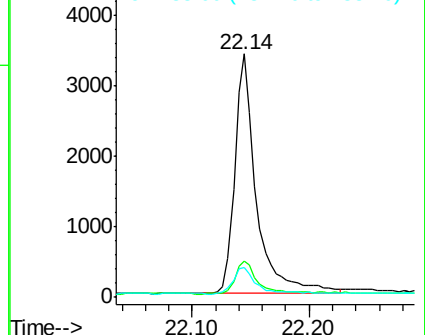
183 12.5 9.4 14.0



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: 0.89 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

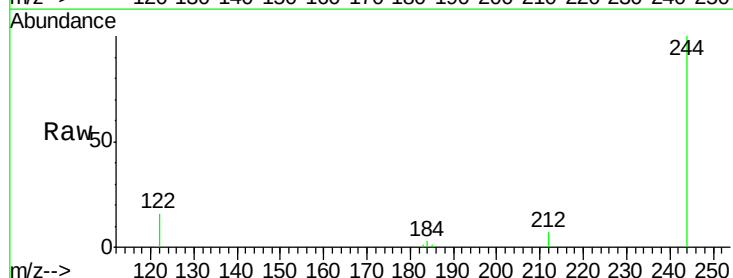
Tgt Ion:244 Resp: 9434

Ion Ratio Lower Upper

244 100

212 7.5 5.3 7.9

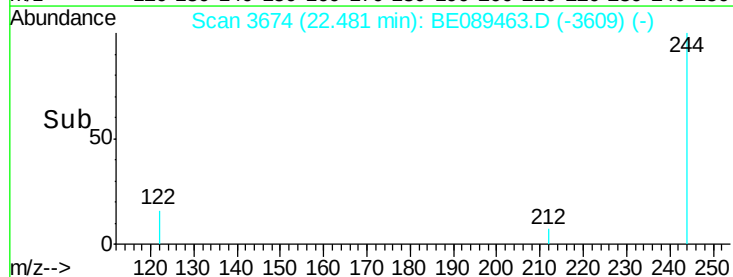
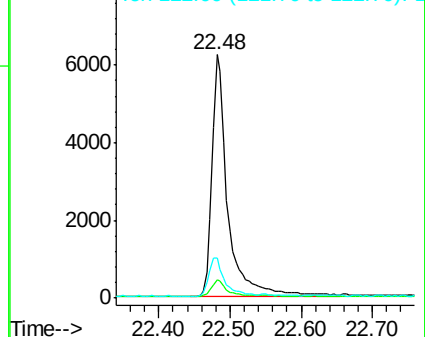
122 16.3 10.5 15.7#

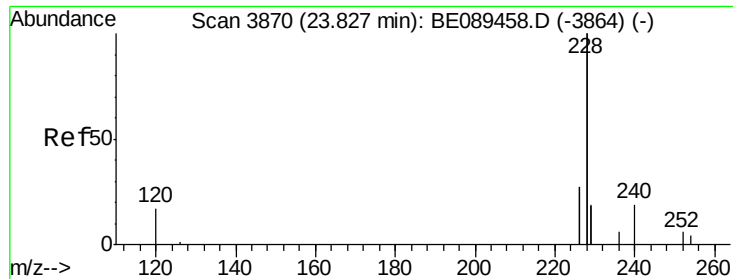


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

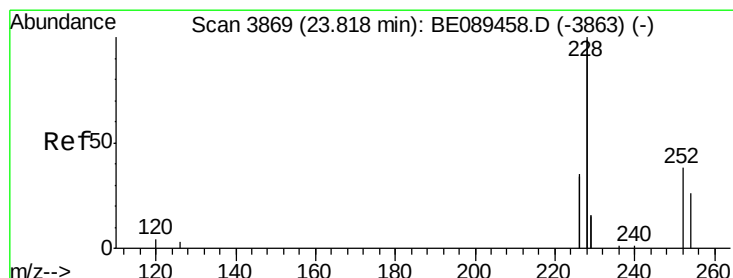
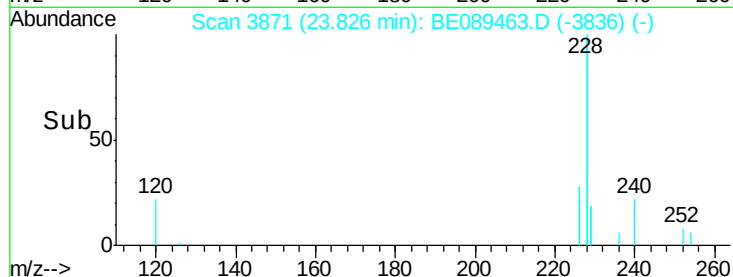
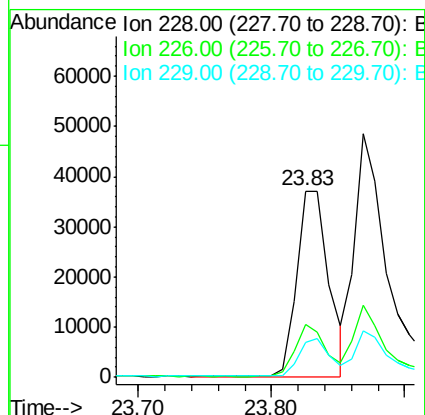
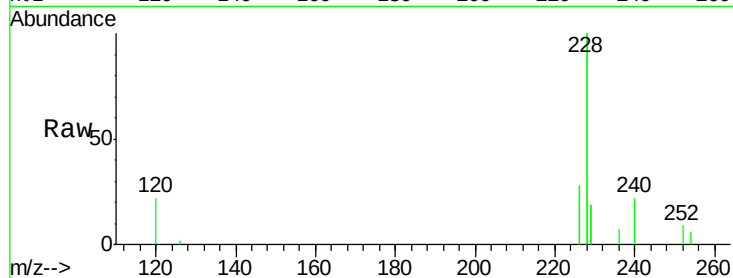




#23
Benzo(a)anthracene
Concen: 0.82 ng
RT: 23.83 min Scan# 3871
Delta R.T. -0.00 min
Lab File: BE089463.D
Acq: 2 Feb 2015 19:48

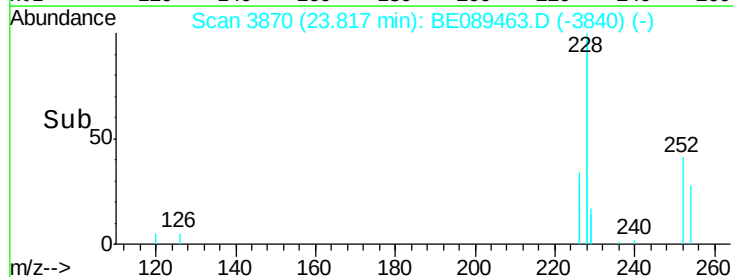
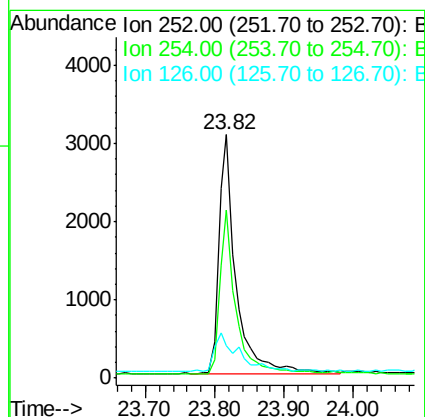
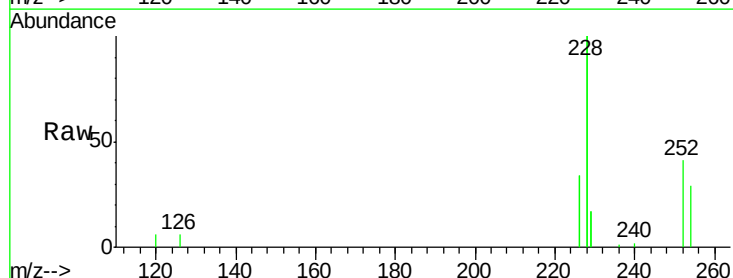
Instrument :
BNA_E
ClientSampleId :
ICVBE020215

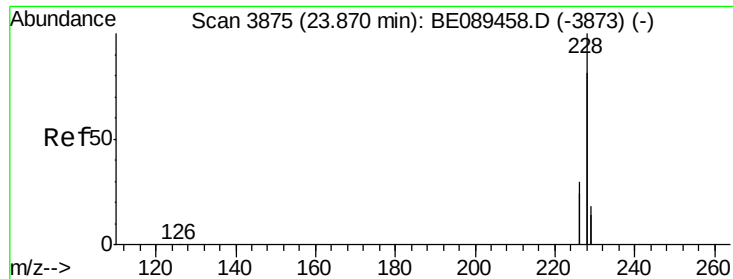
Tgt Ion:228 Resp: 61223
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 19.0 14.8 22.2



#24
3,3'-Dichlorobenzidine
Concen: 0.77 ng
RT: 23.82 min Scan# 3870
Delta R.T. -0.00 min
Lab File: BE089463.D
Acq: 2 Feb 2015 19:48

Tgt Ion:252 Resp: 5298
Ion Ratio Lower Upper
252 100
254 69.2 54.6 82.0
126 13.5 8.0 12.0#





#25

Chrysene

Concen: 1.02 ng

RT: 23.87 min Scan# 3876

Delta R.T. -0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020215

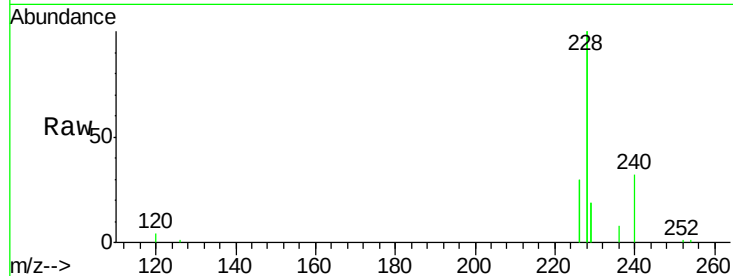
Tgt Ion:228 Resp: 92649

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

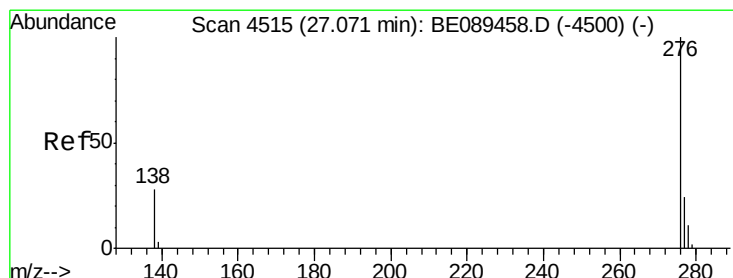
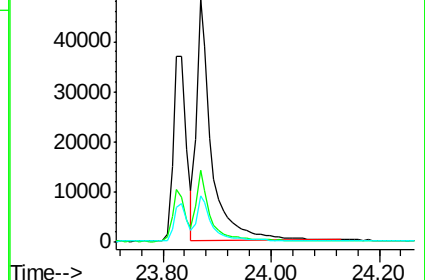
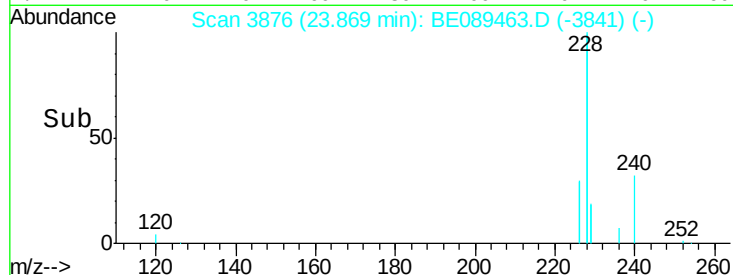
229 18.9 14.3 21.5



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: 0.76 ng

RT: 27.07 min Scan# 4516

Delta R.T. 0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

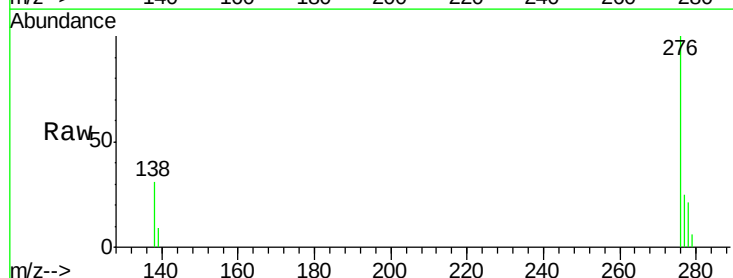
Tgt Ion:276 Resp: 22196

Ion Ratio Lower Upper

276 100

138 28.4 23.3 34.9

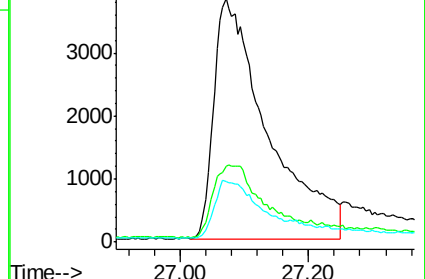
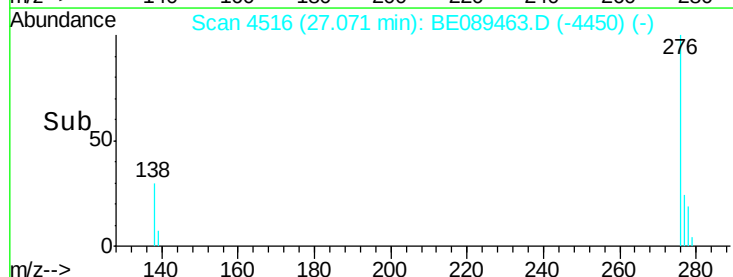
277 20.2 19.0 28.4

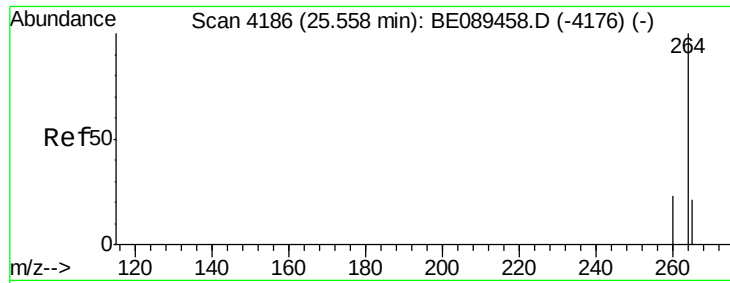


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

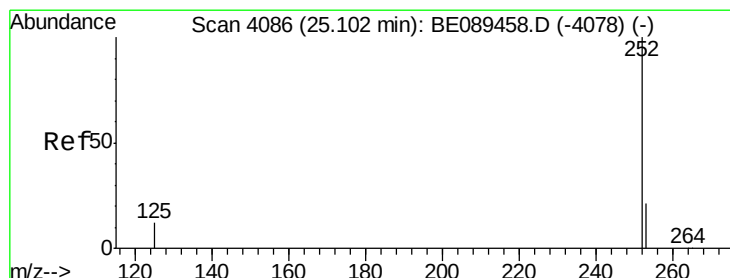
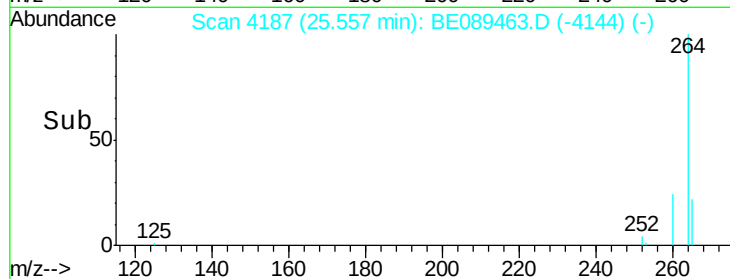
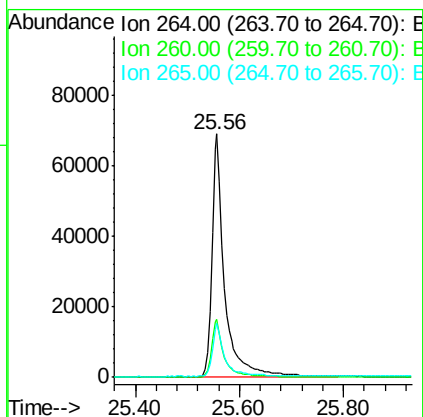
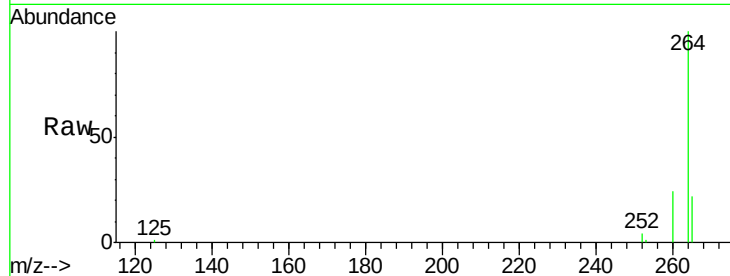




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.56 min Scan# 4187
 Delta R.T. -0.00 min
 Lab File: BE089463.D
 Acq: 2 Feb 2015 19:48

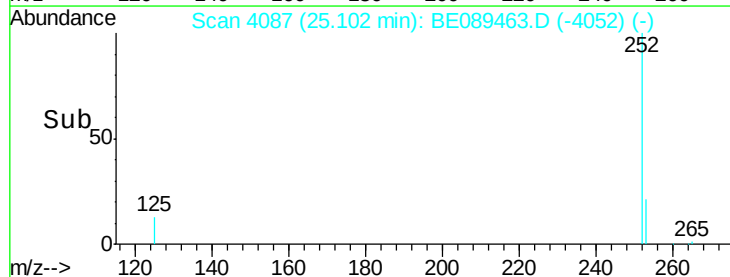
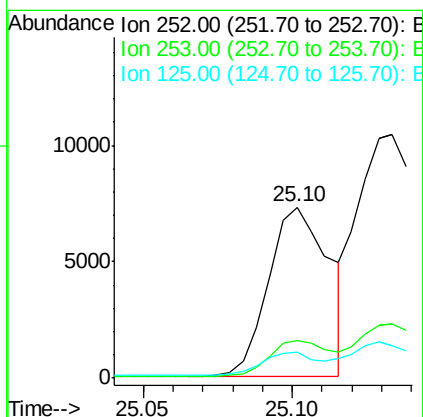
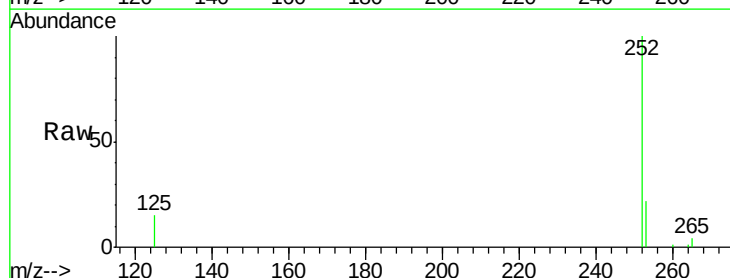
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE020215

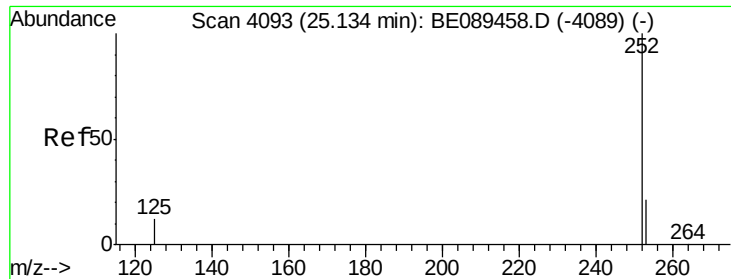
Tgt Ion: 264 Resp: 118836
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 22.1 17.0 25.6



#28
Benzo(b)fluoranthene
 Concen: 0.67 ng
 RT: 25.10 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: BE089463.D
 Acq: 2 Feb 2015 19:48

Tgt Ion: 252 Resp: 10254
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.4 26.0
 125 14.8 10.4 15.6





#29

Benzo(k)fluoranthene

Concen: 0.98 ng

RT: 25.13 min Scan# 4094

Delta R.T. -0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

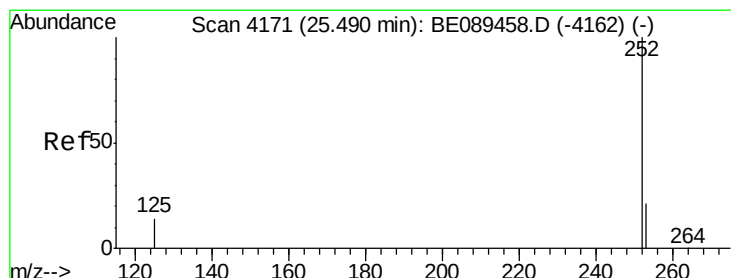
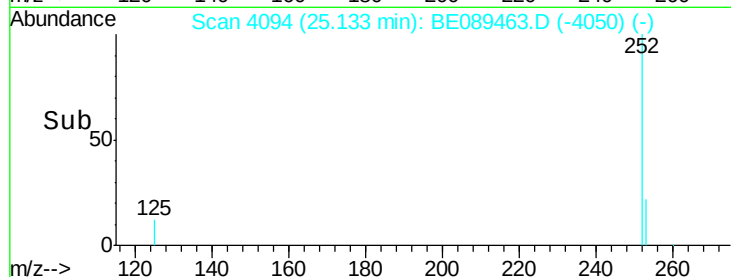
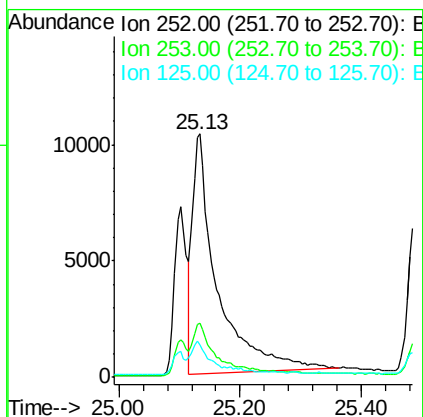
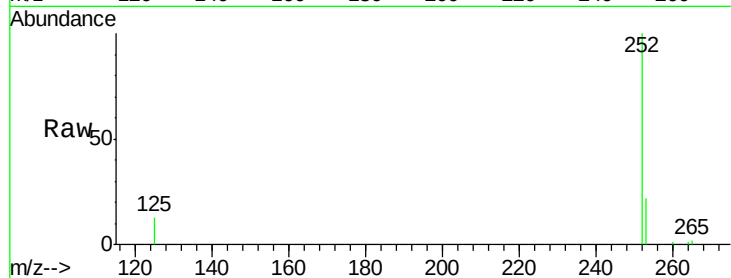
Instrument :

BNA_E

ClientSampleId :

ICVBE020215

Tgt Ion:	252	Resp:	29145
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	13.5	10.3	15.5



#30

Benzo(a)pyrene

Concen: 0.74 ng

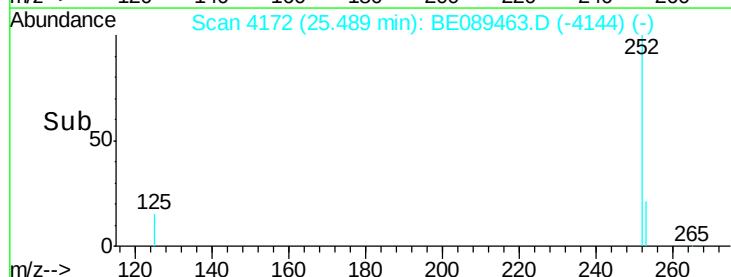
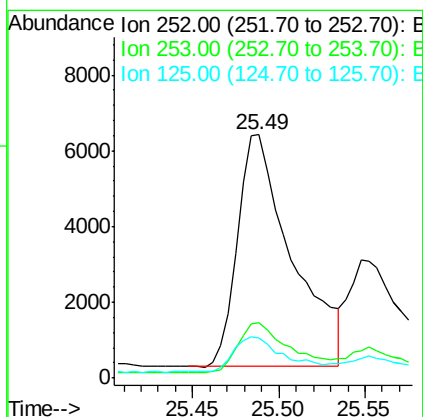
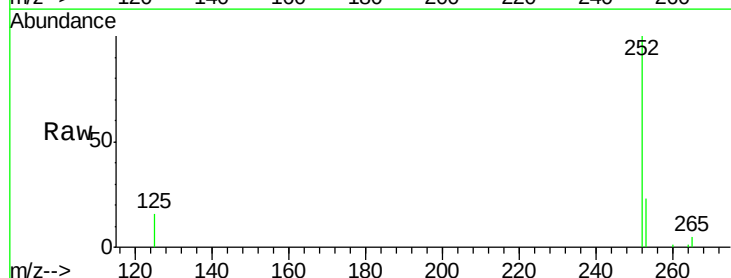
RT: 25.49 min Scan# 4172

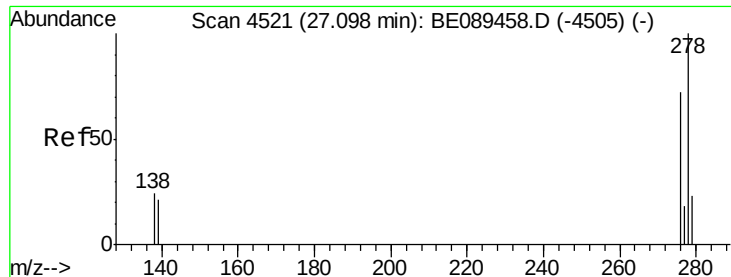
Delta R.T. -0.00 min

Lab File: BE089463.D

Acq: 2 Feb 2015 19:48

Tgt Ion:	252	Resp:	13443
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	16.4	11.8	17.8





#31

Dibenzo(a,h)anthracene

Concen: 0.71 ng

RT: 27.10 min Scan# 4522

Delta R.T. 0.00 min

Lab File: BE089463.D

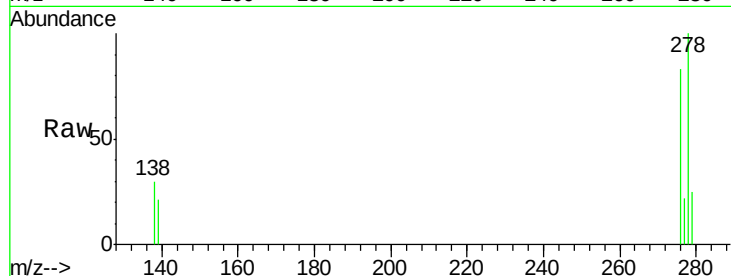
Acq: 2 Feb 2015 19:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020215



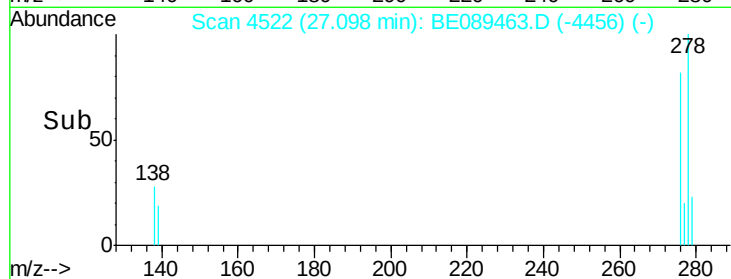
Tgt Ion: 278 Resp: 17167

Ion Ratio Lower Upper

278 100

139 21.2 17.1 25.7

279 24.5 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

