

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012815\
 Data File : BE089400.D
 Acq On : 28 Jan 2015 22:30
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE012815

Quant Time: Jan 29 13:28:21 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 13:20:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	95588	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	327355	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	122334	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	228075	5.00	ng	0.00
20) Chrysene-d12	23.84	240	324089	5.00	ng	0.00
27) Perylene-d12	25.55	264	362067	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.73	112	28275	0.95	ng	0.00
4) Phenol-d6	8.84	99	34519	0.94	ng	0.00
8) Nitrobenzene-d5	10.84	82	22273	0.97	ng	0.00
14) 2,4,6-Tribromophenol	18.57	330	2751	0.99	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	36437	0.98	ng	0.00
22) Terphenyl-d14	22.48	244	33924	0.94	ng	0.00

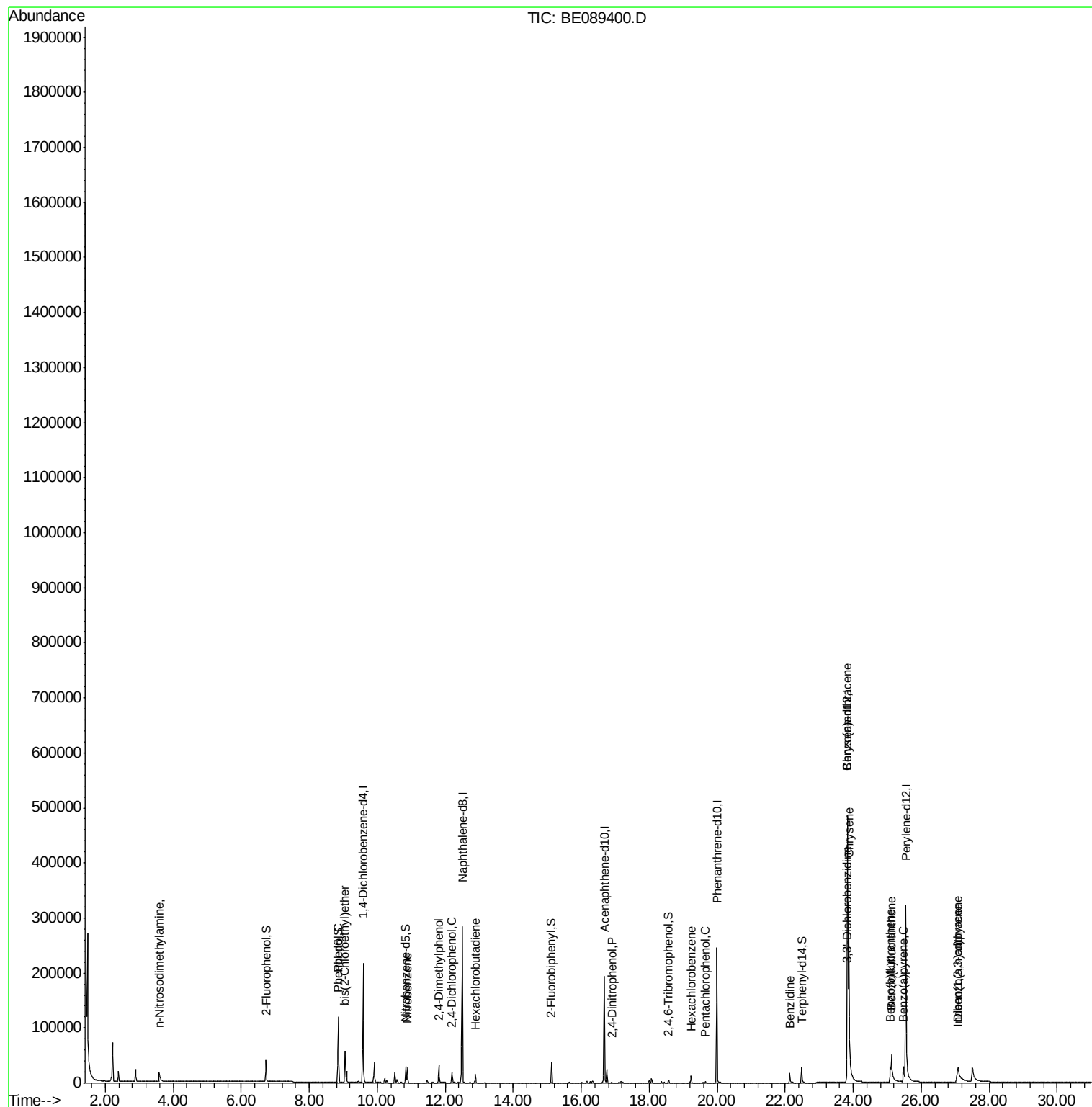
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.58	42	14503	0.92	ng	# 51
5) Phenol	8.86	94	36862	0.94	ng	# 82
6) bis(2-Chloroethyl)ether	9.05	93	27950	0.96	ng	# 100
9) Nitrobenzene	10.89	77	25148	0.97	ng	100
10) 2,4-Dimethylphenol	11.82	122	18699	0.94	ng	97
11) 2,4-Dichlorophenol	12.20	162	14179	0.93	ng	90
12) Hexachlorobutadiene	12.89	225	10442	0.96	ng	99
16) 2,4-Dinitrophenol	16.89	184	538	0.95	ng	88
18) Hexachlorobenzene	19.23	284	10017	0.95	ng	95
19) Pentachlorophenol	19.65	266	1841	0.95	ng	97
21) Benzidine	22.14	184	20804	0.77	ng	100
23) Benzo(a)anthracene	23.83	228	267415	0.89	ng	100
24) 3,3'-Dichlorobenzidine	23.81	252	19714	0.85	ng	99
25) Chrysene	23.87	228	364179	0.99	ng	100
26) Indeno(1,2,3-cd)pyrene	27.06	276	63575	0.87	ng	# 100
28) Benzo(b)fluoranthene	25.09	252	36796m	0.76	ng	
29) Benzo(k)fluoranthene	25.13	252	95494m	0.92	ng	
30) Benzo(a)pyrene	25.48	252	44773	0.82	ng	100
31) Dibenzo(a,h)anthracene	27.08	278	44409	0.81	ng	98

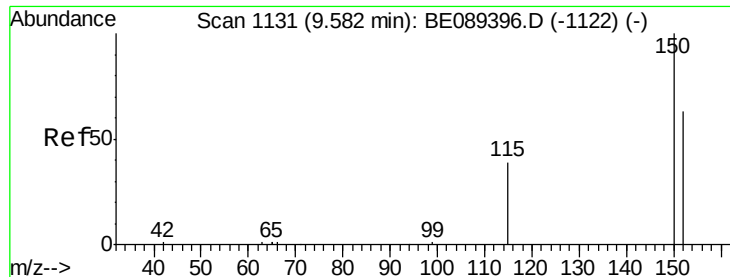
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089400.D

Acq: 28 Jan 2015 22:30

Instrument :

BNA_E

ClientSampleId :

ICVBE012815

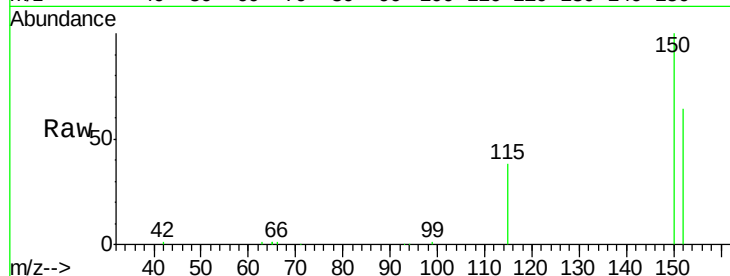
Tgt Ion:152 Resp: 95588

Ion Ratio Lower Upper

152 100

150 155.2 127.2 190.8

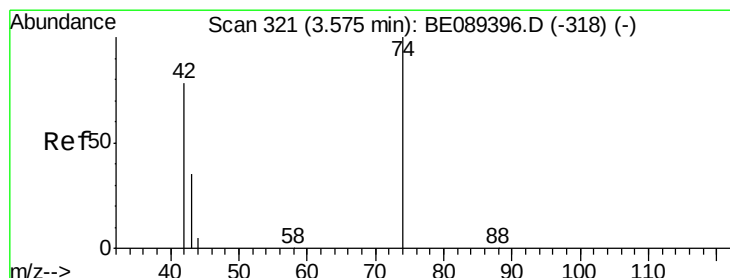
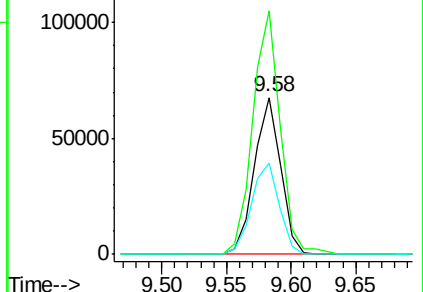
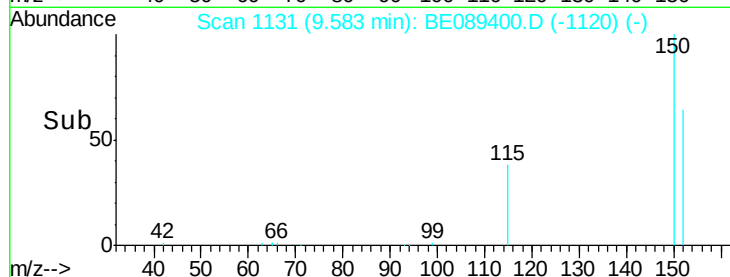
115 58.6 49.3 73.9



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: 0.92 ng

RT: 3.58 min Scan# 321

Delta R.T. 0.01 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

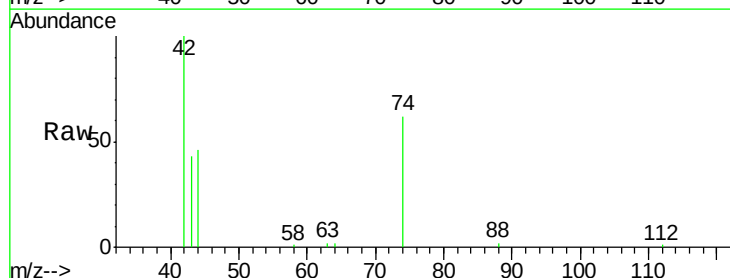
Tgt Ion: 42 Resp: 14503

Ion Ratio Lower Upper

42 100

74 61.8 101.2 151.8#

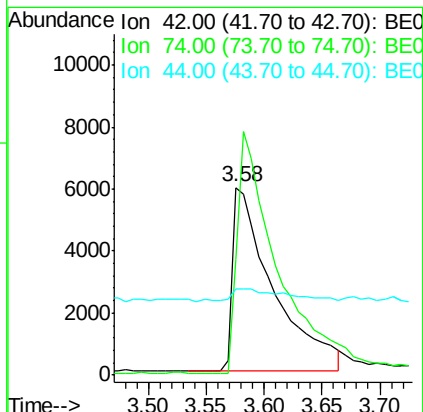
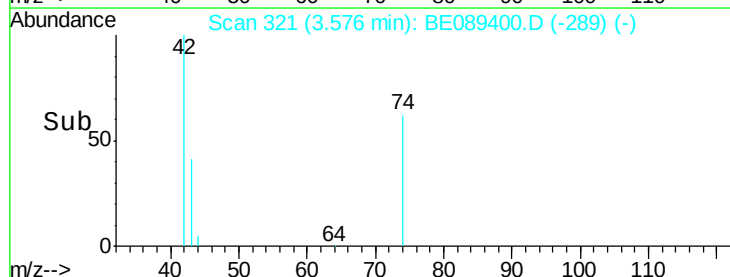
44 45.6 26.4 39.6#

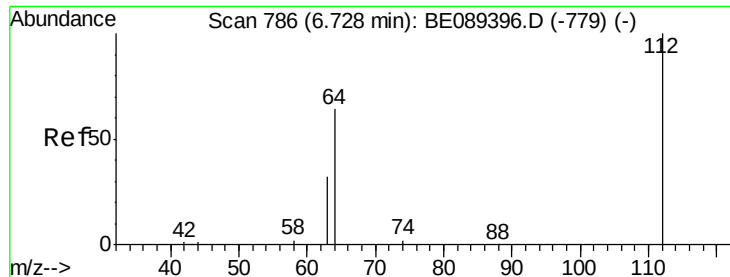


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

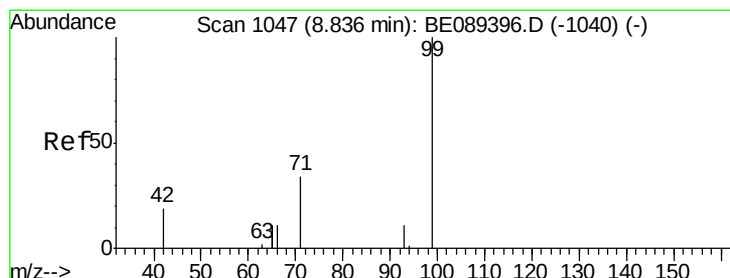
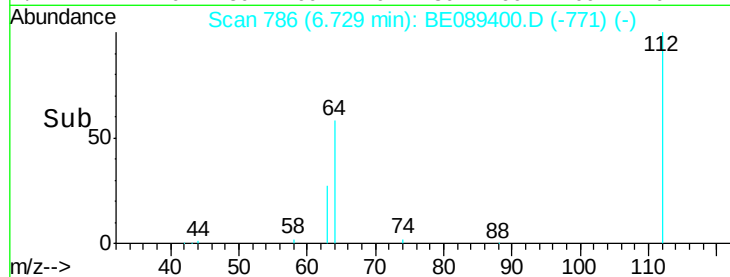
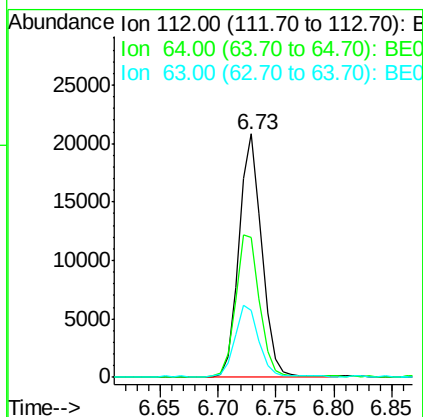
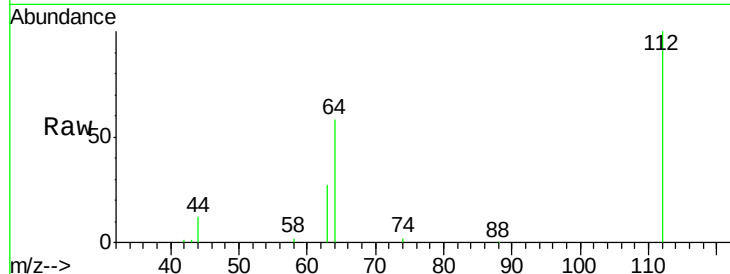




#3
 2-Fluorophenol
 Concen: 0.95 ng
 RT: 6.73 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BE089400.D
 Acq: 28 Jan 2015 22:30

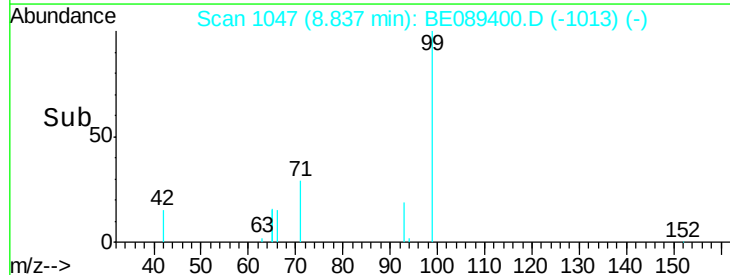
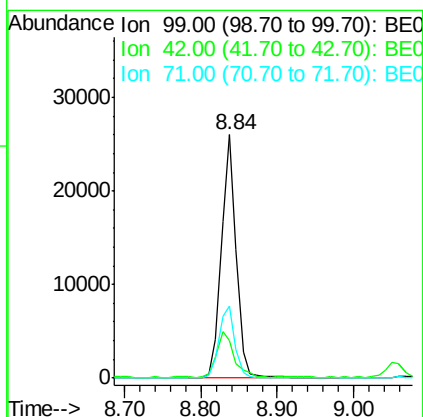
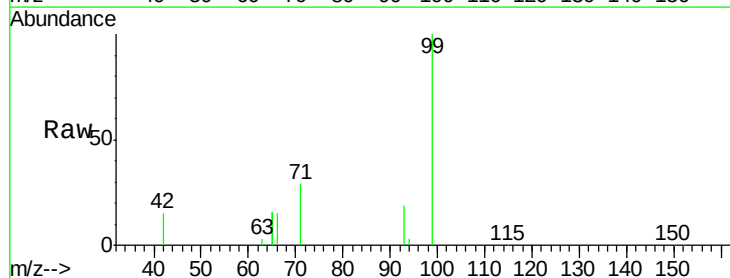
Instrument :
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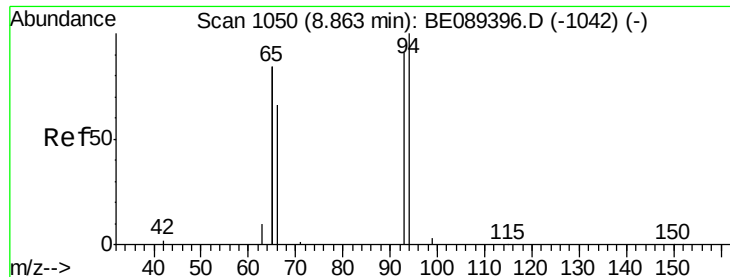
Tgt Ion:	112	Resp:	28275
Ion	Ratio	Lower	Upper
112	100		
64	57.7	51.7	77.5
63	27.3	25.7	38.5



#4
 Phenol-d6
 Concen: 0.94 ng
 RT: 8.84 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BE089400.D
 Acq: 28 Jan 2015 22:30

Tgt Ion:	99	Resp:	34519
Ion	Ratio	Lower	Upper
99	100		
42	15.3	15.3	22.9
71	29.4	27.0	40.6





#5

Phenol

Concen: 0.94 ng

RT: 8.86 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

Instrument :

BNA_E

ClientSampleId :

ICVBE012815

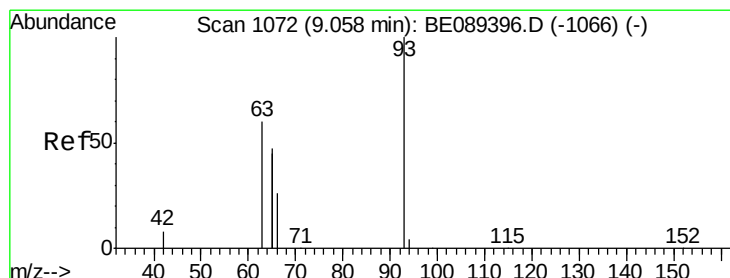
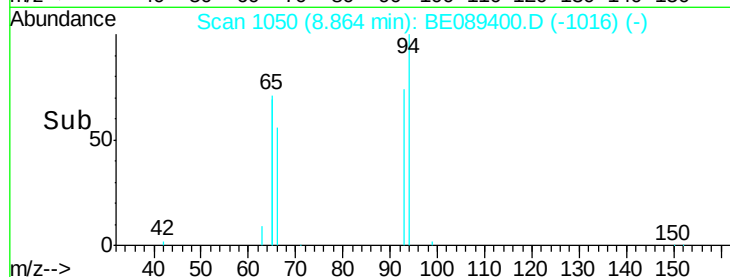
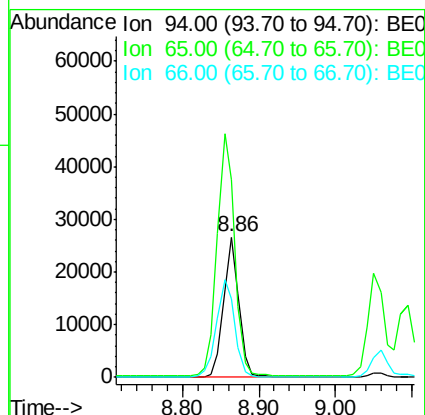
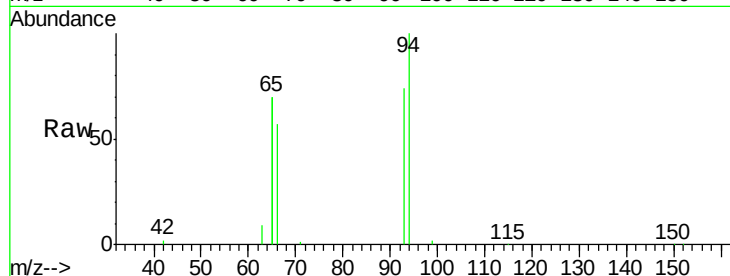
Tgt Ion: 94 Resp: 36862

Ion Ratio Lower Upper

94 100

65 140.9 148.6 188.6#

66 56.5 46.2 86.2



#6

bis(2-Chloroethyl)ether

Concen: 0.96 ng

RT: 9.05 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

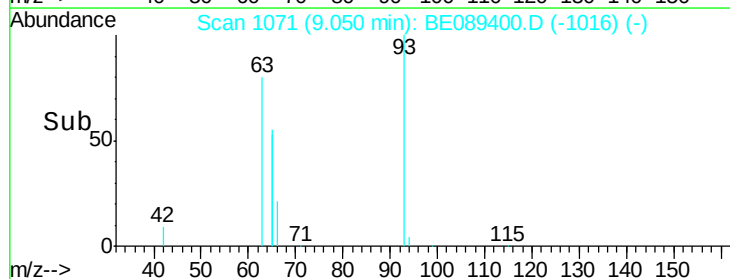
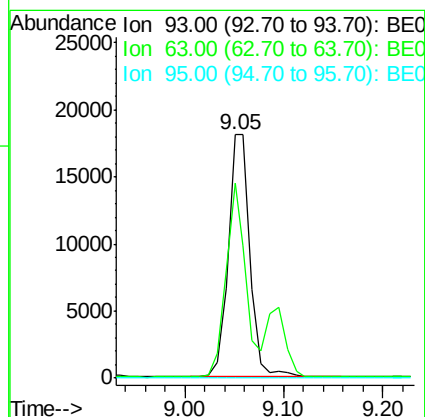
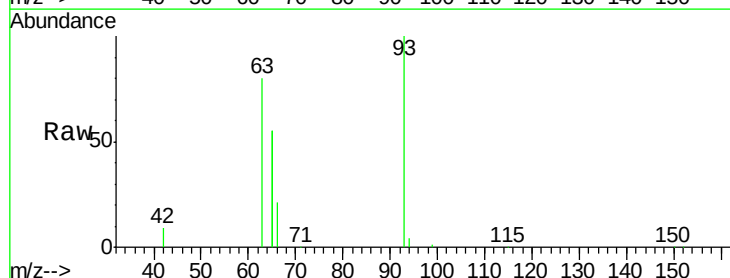
Tgt Ion: 93 Resp: 27950

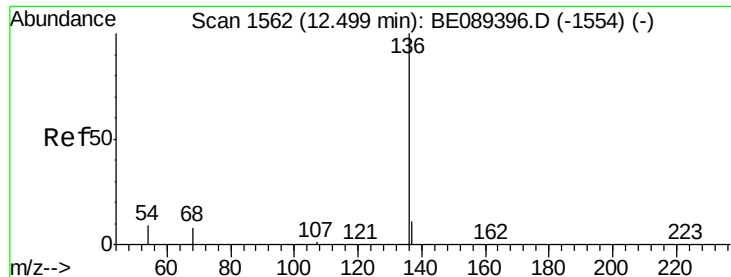
Ion Ratio Lower Upper

93 100

63 73.9 58.9 88.3

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

Instrument :

BNA_E

ClientSampleId :

ICVBE012815

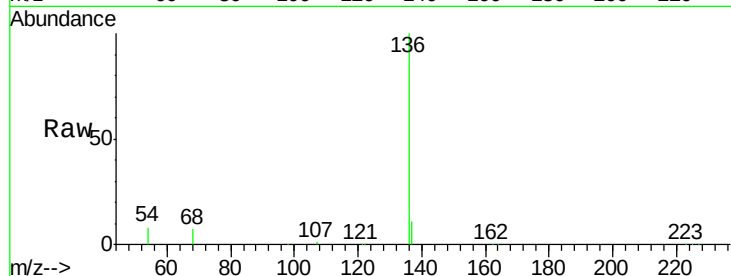
Tgt Ion: 136 Resp: 327355

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

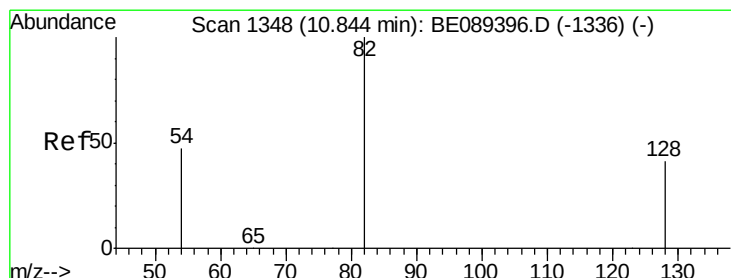
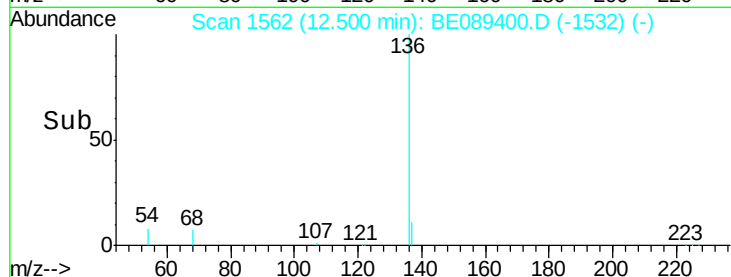
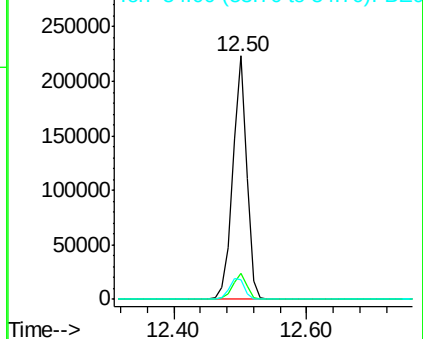
54 8.1 7.4 11.0



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: 0.97 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

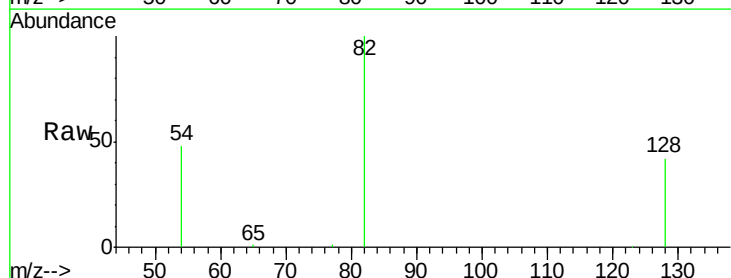
Tgt Ion: 82 Resp: 22273

Ion Ratio Lower Upper

82 100

128 41.8 33.6 50.4

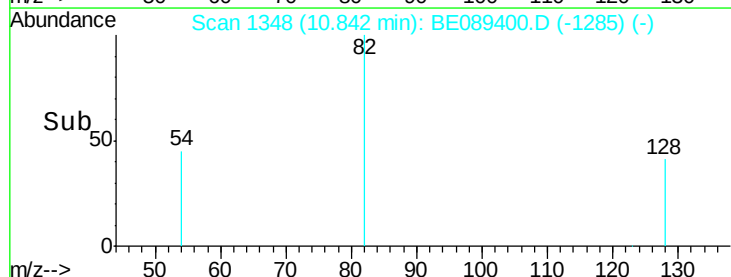
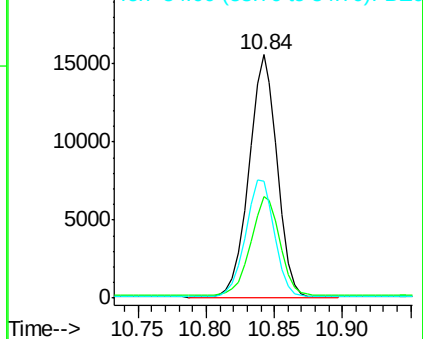
54 47.9 37.7 56.5

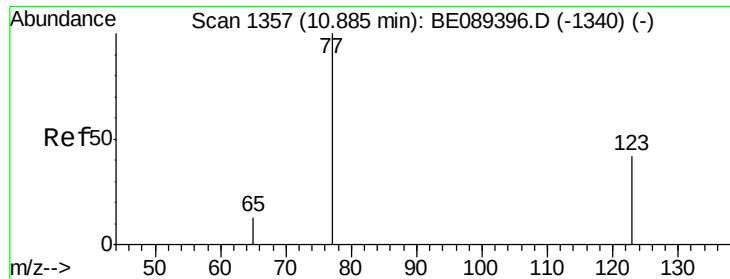


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.97 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

Instrument :

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ClientSampleId :

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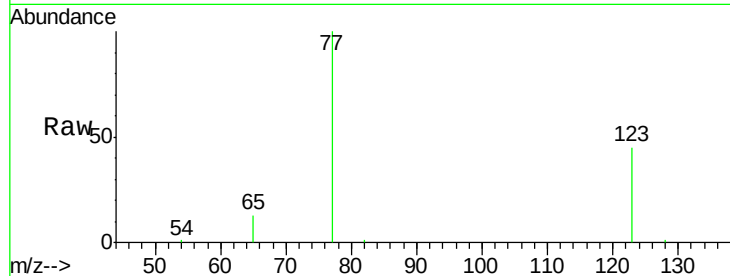
Tgt Ion: 77 Resp: 25148

Ion Ratio Lower Upper

77 100

123 43.8 34.7 52.1

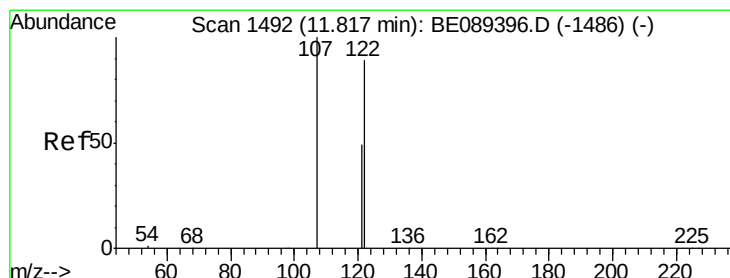
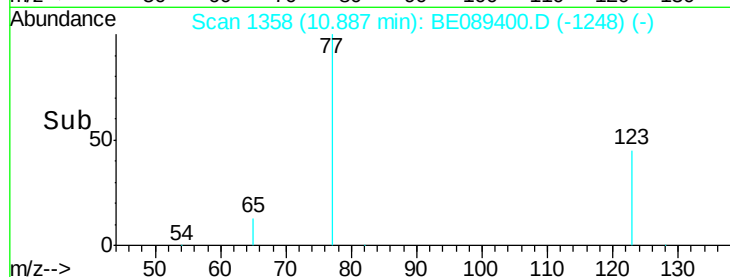
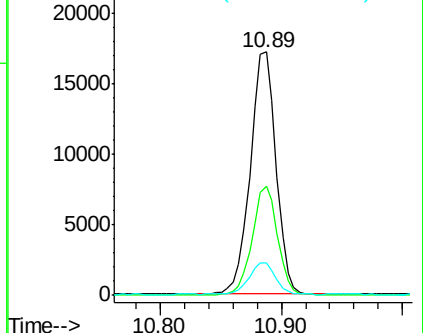
65 13.2 10.6 15.8



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: 0.94 ng

RT: 11.82 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

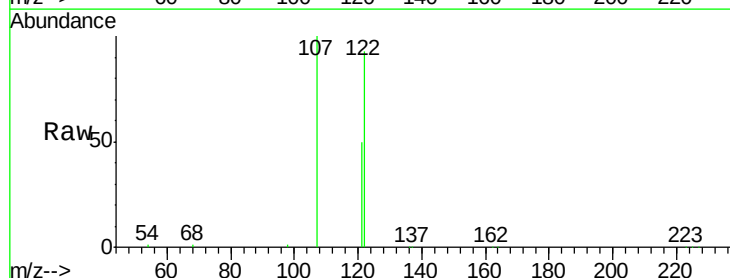
Tgt Ion: 122 Resp: 18699

Ion Ratio Lower Upper

122 100

107 107.5 89.4 134.2

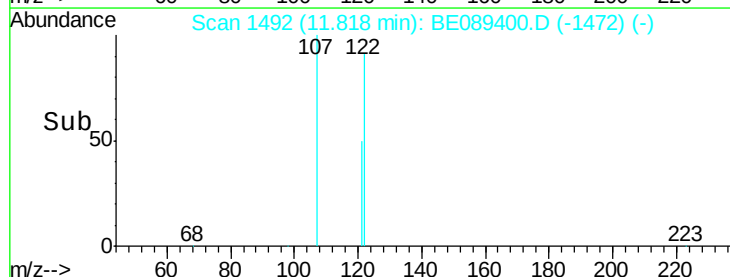
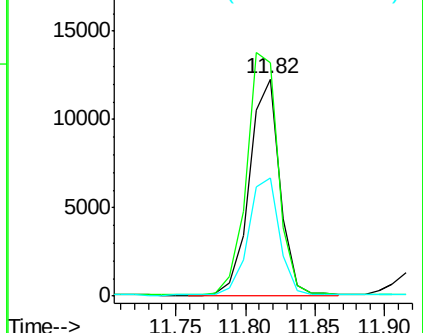
121 54.1 43.6 65.4

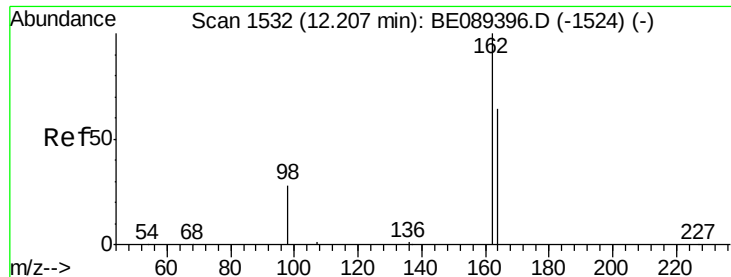


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

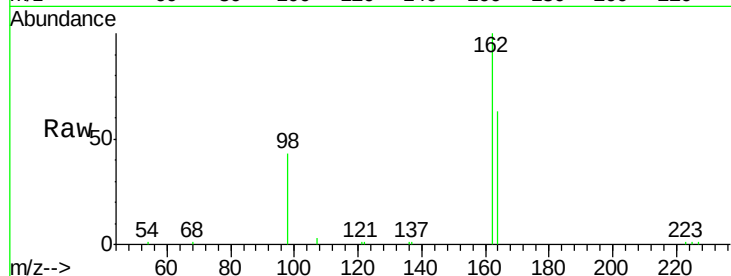




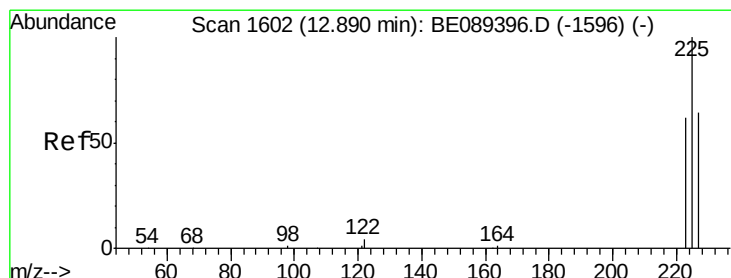
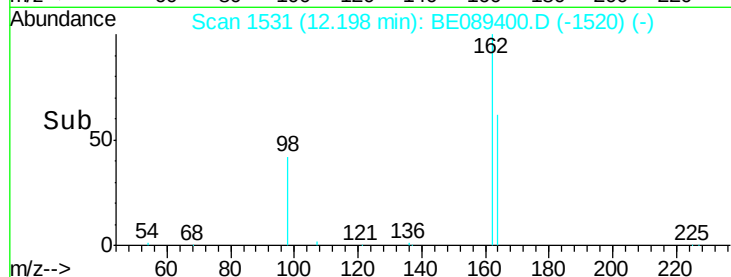
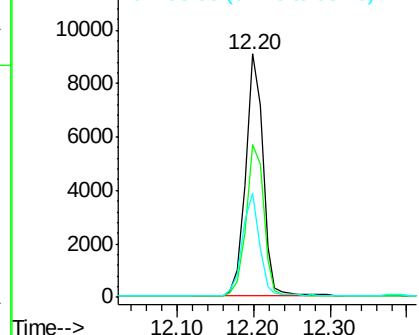
#11
 2,4-Dichlorophenol
 Concen: 0.93 ng
 RT: 12.20 min Scan# 1531
 Delta R.T. -0.01 min
 Lab File: BE089400.D
 Acq: 28 Jan 2015 22:30

Instrument :
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Tgt Ion:162 Resp: 14179
 Ion Ratio Lower Upper
 162 100
 164 62.6 44.6 84.6
 98 42.8 8.7 48.7

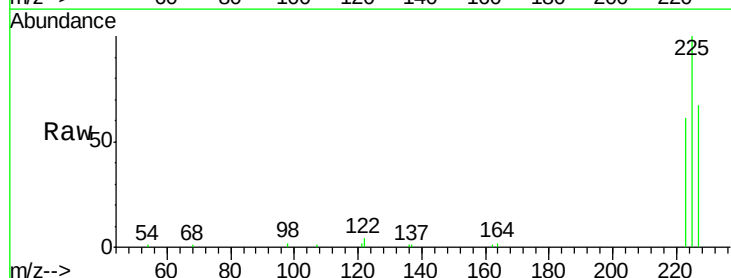


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): E

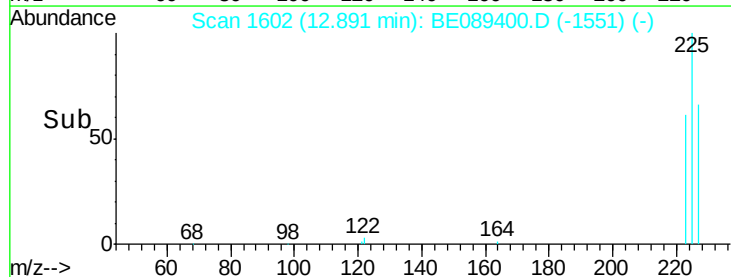
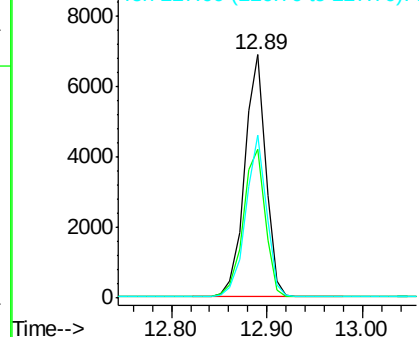


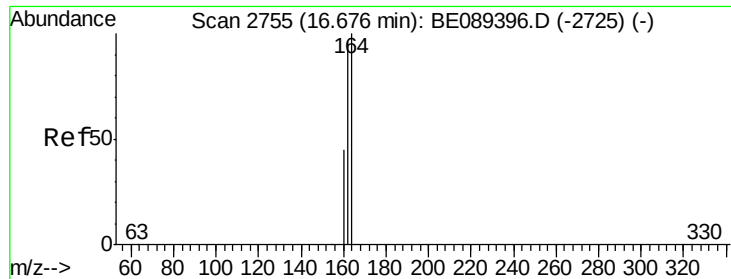
#12
 Hexachlorobutadiene
 Concen: 0.96 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BE089400.D
 Acq: 28 Jan 2015 22:30

Tgt Ion:225 Resp: 10442
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.2 75.4
 227 64.3 50.5 75.7



Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

Instrument :

BNA_E

ClientSampleId :

ICVBE012815

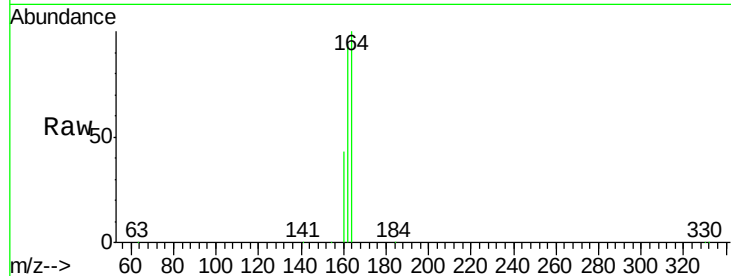
Tgt Ion:164 Resp: 122334

Ion Ratio Lower Upper

164 100

162 93.6 123.9 185.9#

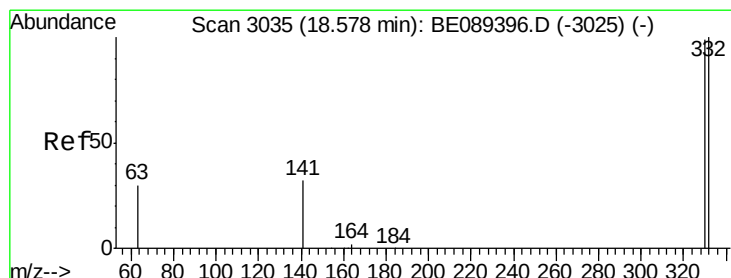
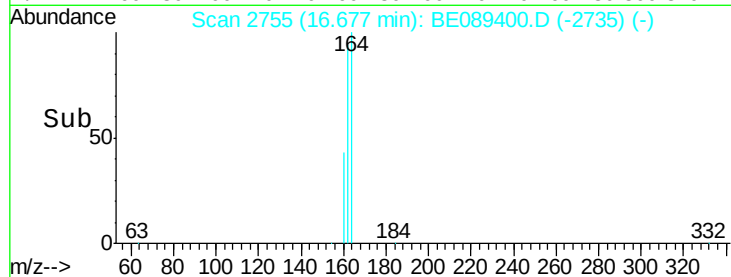
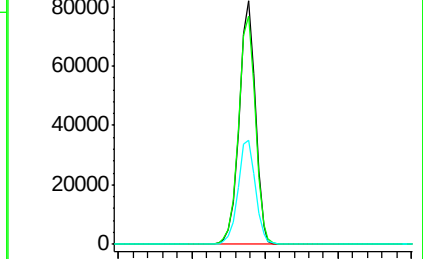
160 42.9 0.0 0.0#



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: 0.99 ng

RT: 18.57 min Scan# 3034

Delta R.T. -0.01 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

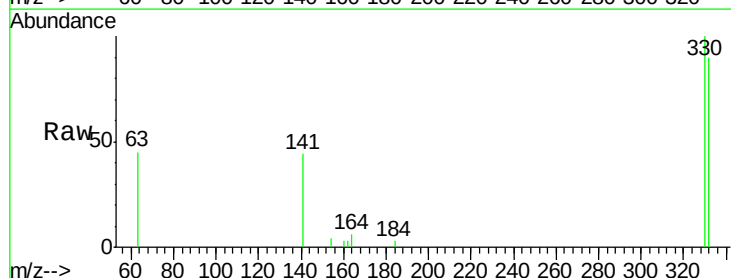
Tgt Ion:330 Resp: 2751

Ion Ratio Lower Upper

330 100

332 92.4 77.5 116.3

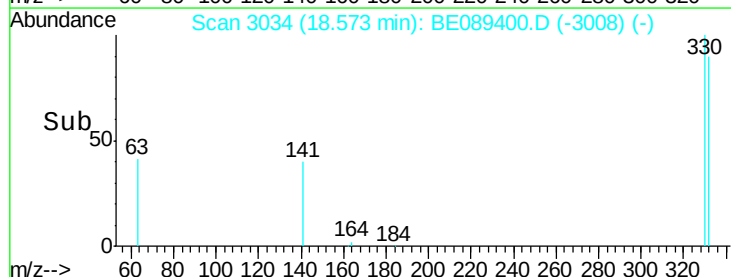
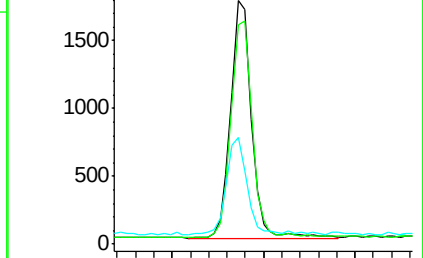
141 41.4 32.4 48.6

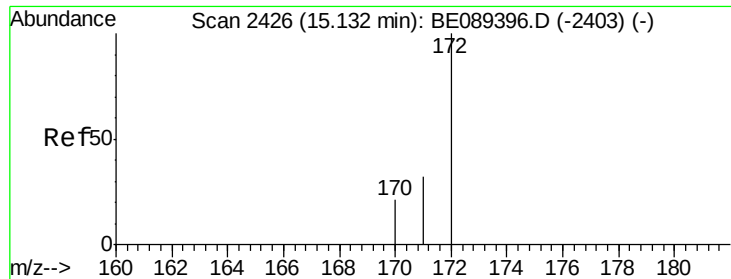


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

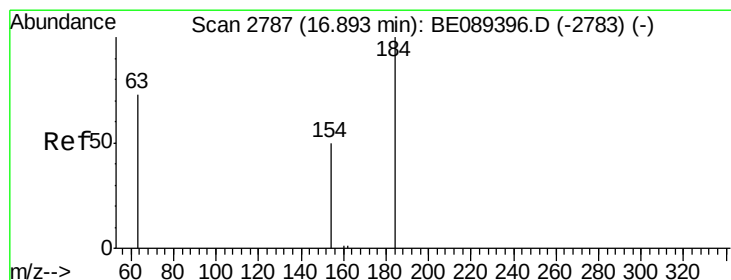
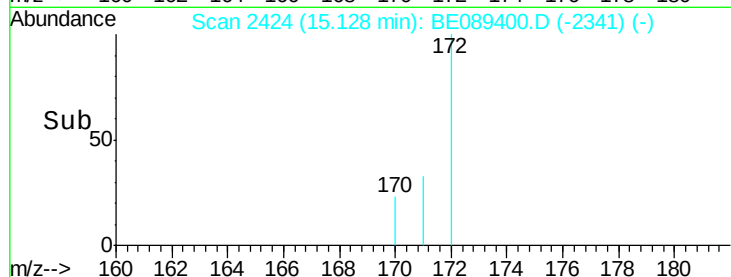
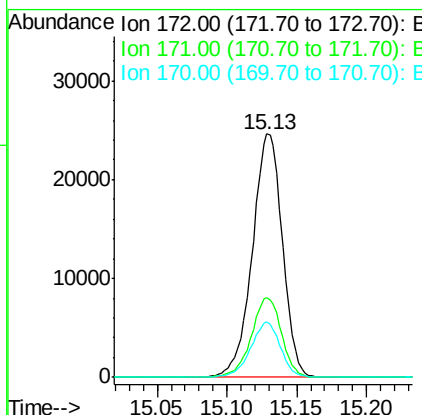
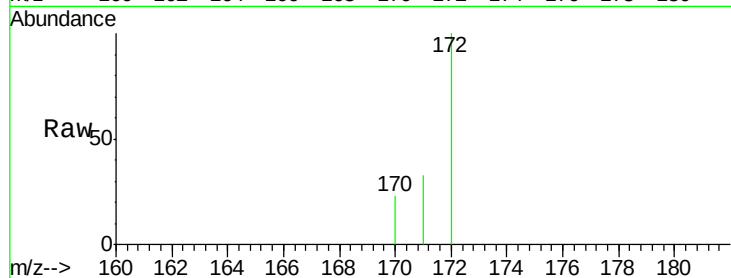




#15
2-Fluorobiphenyl
Concen: 0.98 ng
RT: 15.13 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BE089400.D
Acq: 28 Jan 2015 22:30

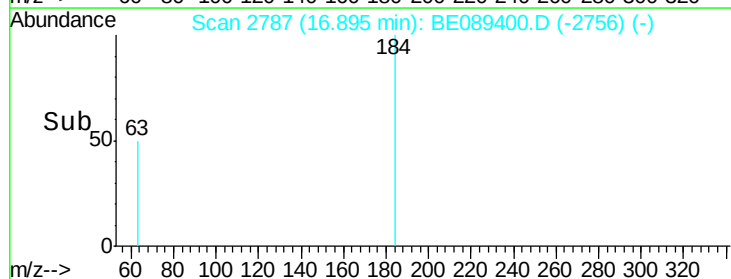
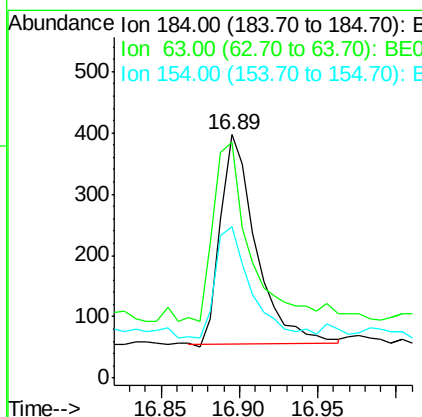
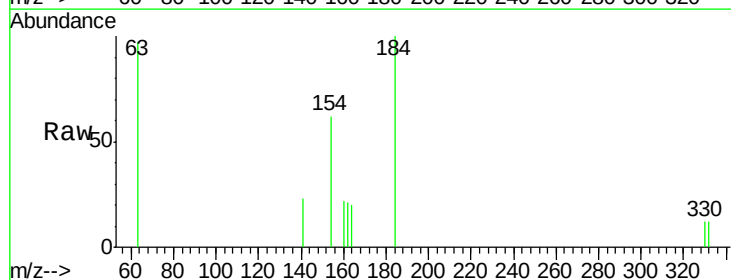
Instrument :
BNA_E
ClientSampleId :
ICVBE012815

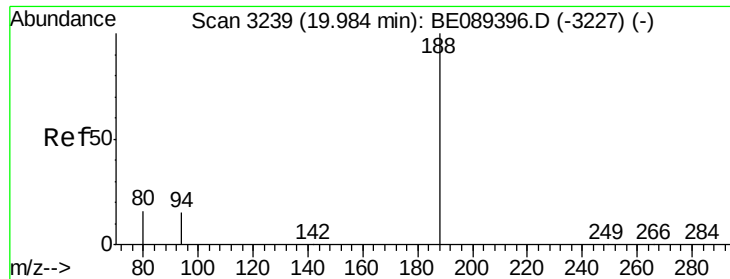
Tgt Ion:172 Resp: 36437
Ion Ratio Lower Upper
172 100
171 32.7 25.6 38.4
170 22.7 17.0 25.4



#16
2,4-Dinitrophenol
Concen: 0.95 ng
RT: 16.89 min Scan# 2787
Delta R.T. 0.00 min
Lab File: BE089400.D
Acq: 28 Jan 2015 22:30

Tgt Ion:184 Resp: 538
Ion Ratio Lower Upper
184 100
63 97.0 66.9 100.3
154 62.5 45.1 67.7

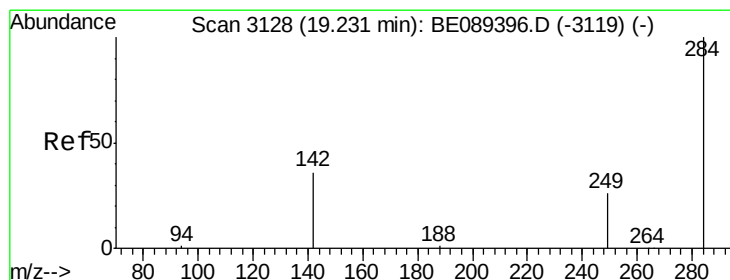
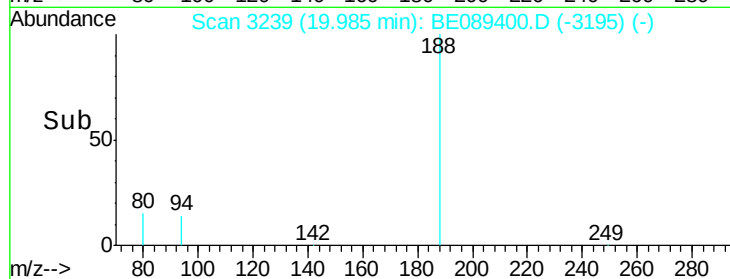
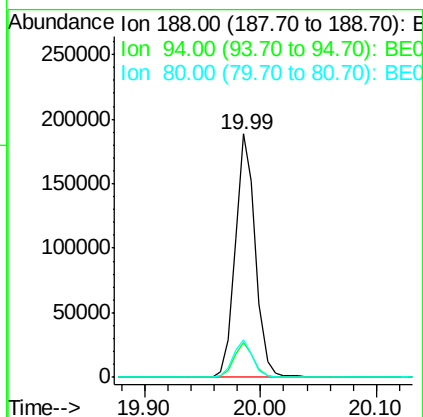
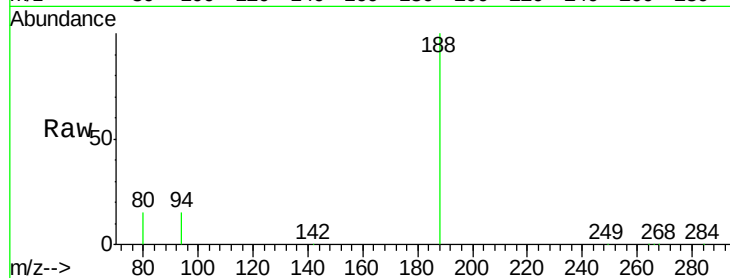




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3239
Delta R.T. 0.00 min
Lab File: BE089400.D
Acq: 28 Jan 2015 22:30

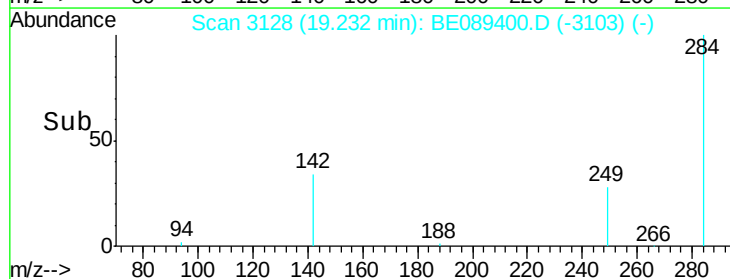
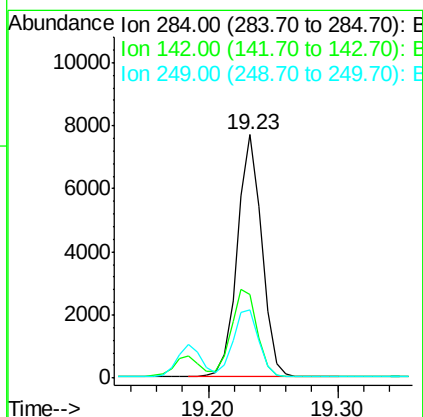
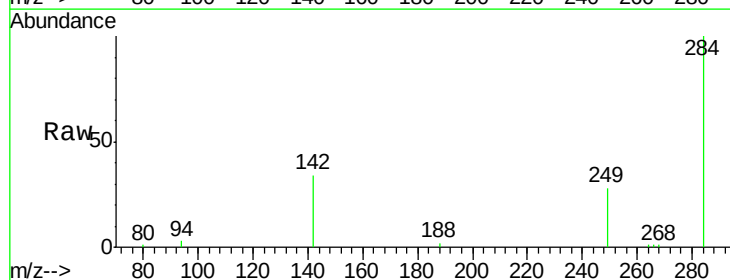
Instrument :
BNA_E
ClientSampleId :
ICVBE012815

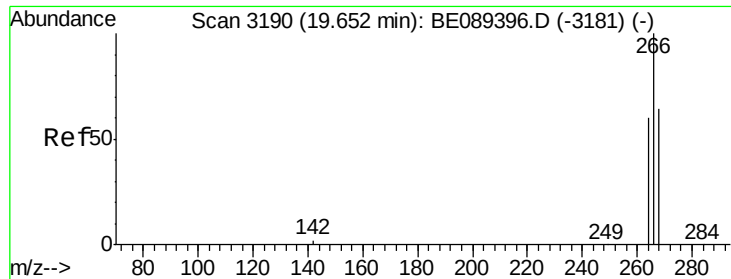
Tgt Ion:188 Resp: 228075
Ion Ratio Lower Upper
188 100
94 14.5 12.0 18.0
80 15.5 13.2 19.8



#18
Hexachlorobenzene
Concen: 0.95 ng
RT: 19.23 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BE089400.D
Acq: 28 Jan 2015 22:30

Tgt Ion:284 Resp: 10017
Ion Ratio Lower Upper
284 100
142 34.2 30.7 46.1
249 28.1 23.4 35.2

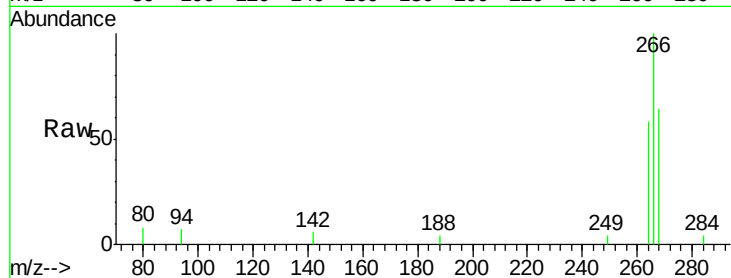




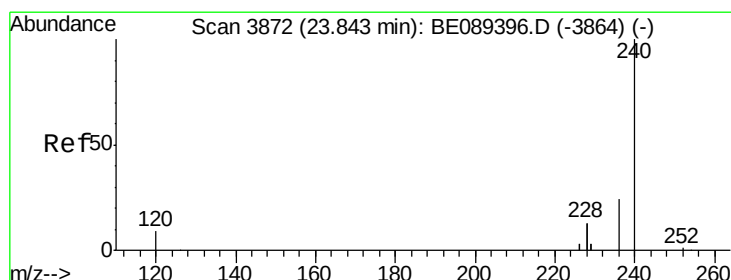
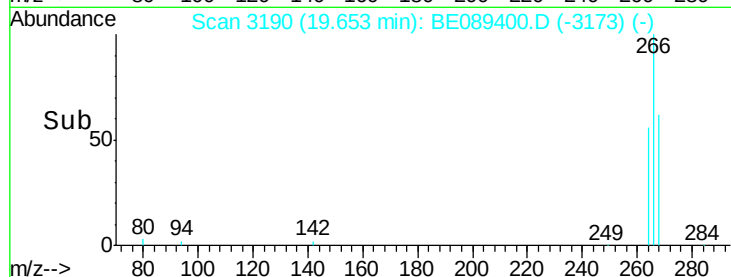
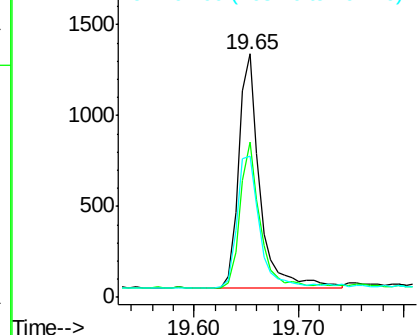
#19
 Pentachlorophenol
 Concen: 0.95 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. 0.00 min
 Lab File: BE089400.D
 Acq: 28 Jan 2015 22:30

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE012815

Tgt Ion: 266 Resp: 1841
 Ion Ratio Lower Upper
 266 100
 268 63.7 52.5 78.7
 264 57.9 48.8 73.2

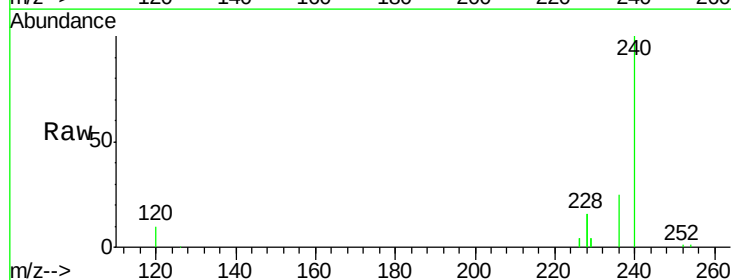


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

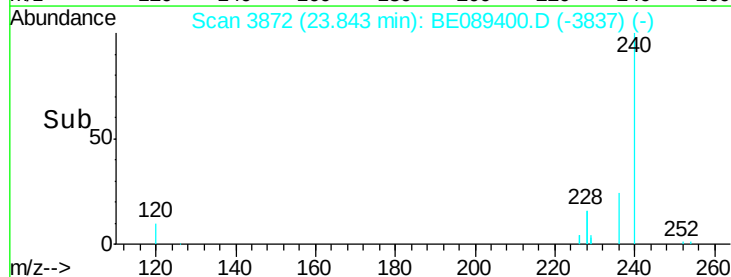
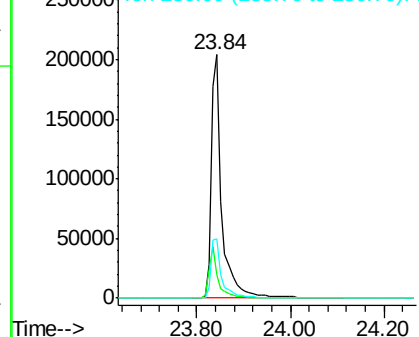


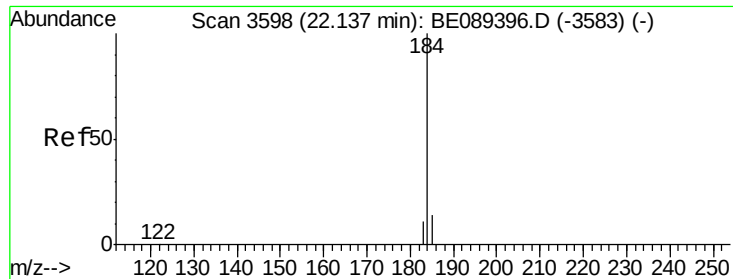
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. -0.00 min
 Lab File: BE089400.D
 Acq: 28 Jan 2015 22:30

Tgt Ion: 240 Resp: 324089
 Ion Ratio Lower Upper
 240 100
 120 9.7 7.1 10.7
 236 24.5 19.5 29.3



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: 0.77 ng

RT: 22.14 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

Instrument :

BNA_E

ClientSampleId :

ICVBE012815

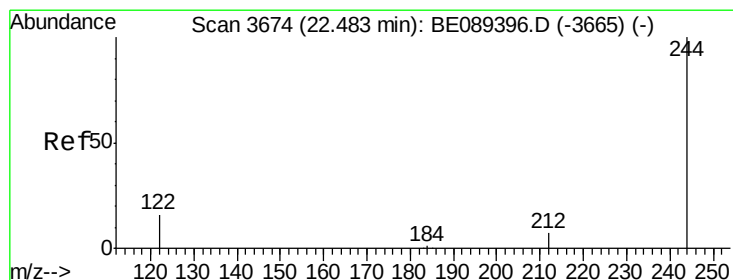
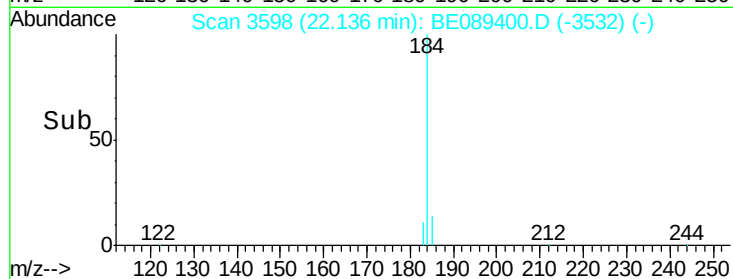
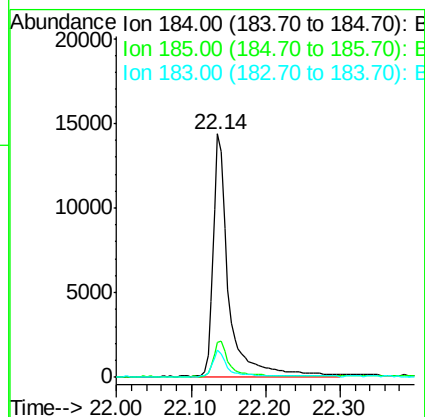
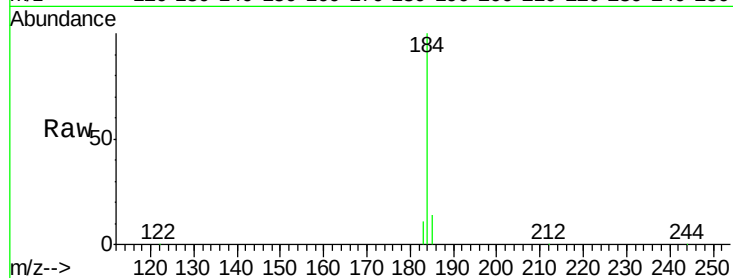
Tgt Ion:184 Resp: 20804

Ion Ratio Lower Upper

184 100

185 14.2 11.4 17.0

183 11.0 8.7 13.1



#22

Terphenyl-d14

Concen: 0.94 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

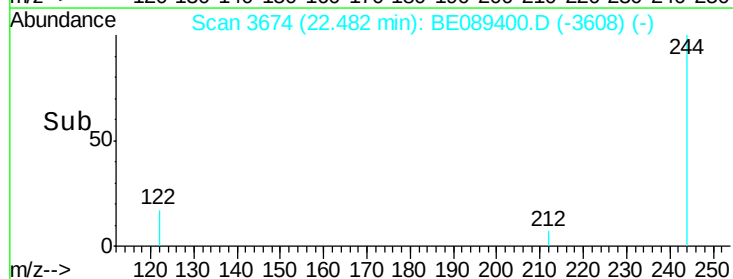
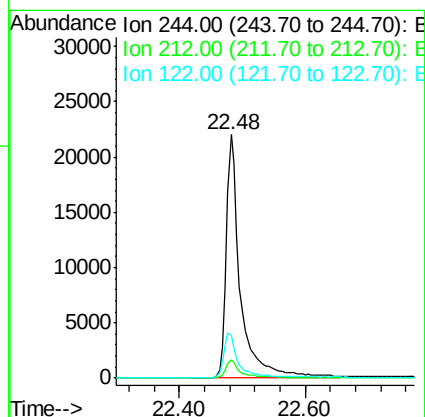
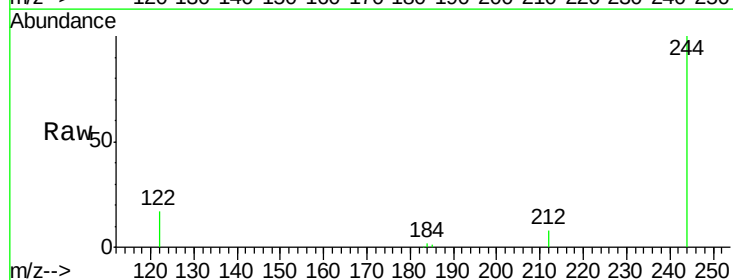
Tgt Ion:244 Resp: 33924

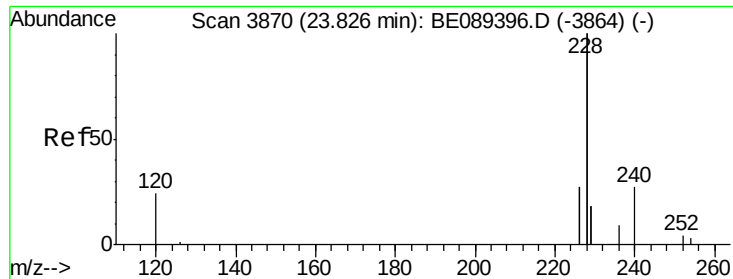
Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 17.4 12.8 19.2





#23

Benzo(a)anthracene

Concen: 0.89 ng

RT: 23.83 min Scan# 3870

Delta R.T. -0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

Instrument :

BNA_E

ClientSampleId :

ICVBE012815

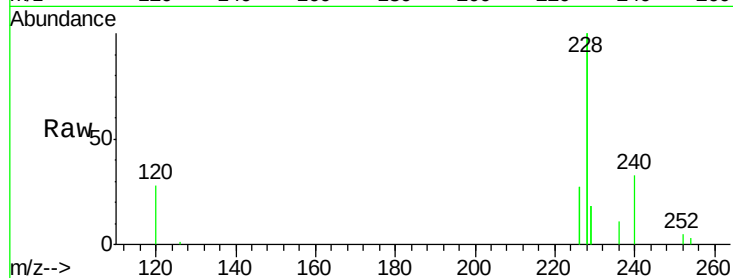
Tgt Ion:228 Resp: 267415

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.6

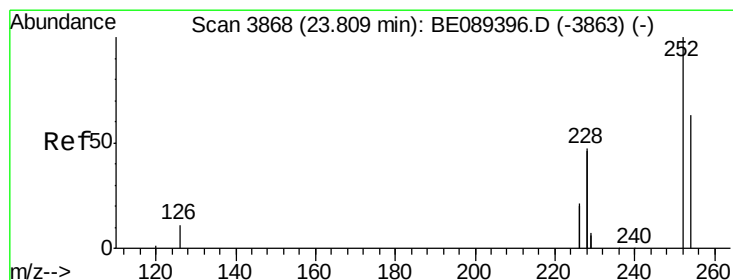
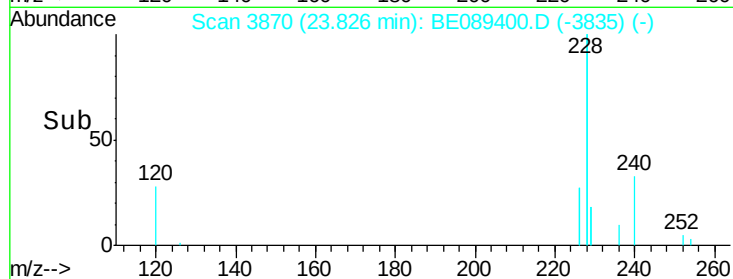
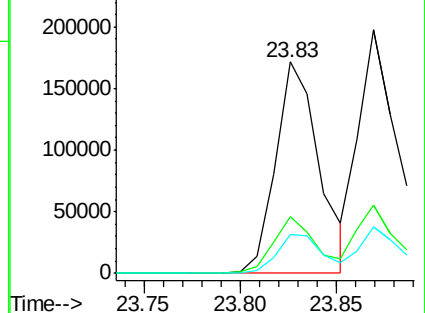
229 18.1 14.5 21.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

3,3'-Dichlorobenzidine

Concen: 0.85 ng

RT: 23.81 min Scan# 3868

Delta R.T. -0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

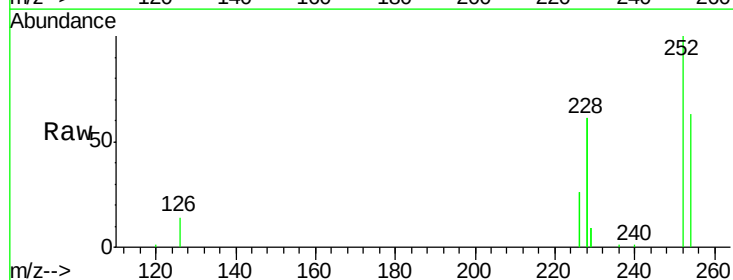
Tgt Ion:252 Resp: 19714

Ion Ratio Lower Upper

252 100

254 63.3 50.2 75.4

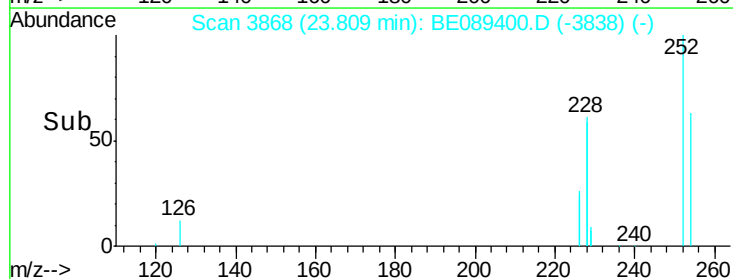
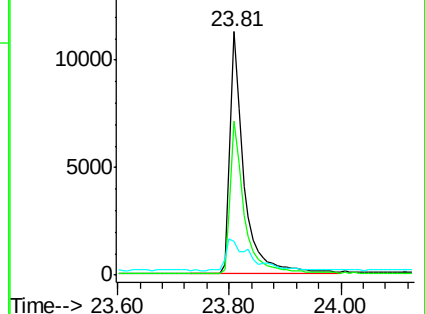
126 13.7 9.8 14.6

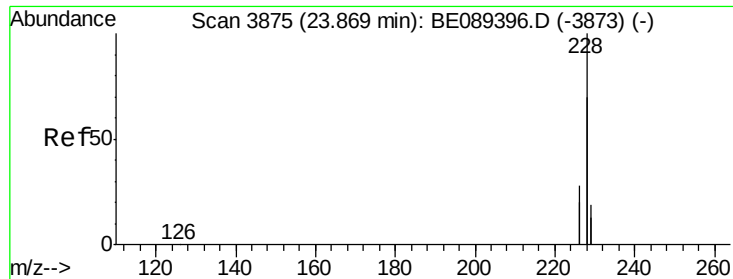


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.99 ng

RT: 23.87 min Scan# 3875

Delta R.T. -0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

Instrument :

BNA_E

ClientSampleId :

ICVBE012815

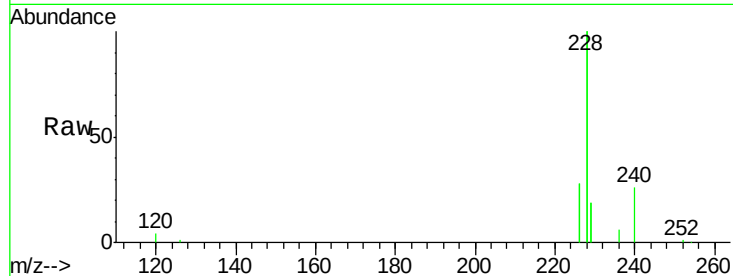
Tgt Ion:228 Resp: 364179

Ion Ratio Lower Upper

228 100

226 28.2 22.7 34.1

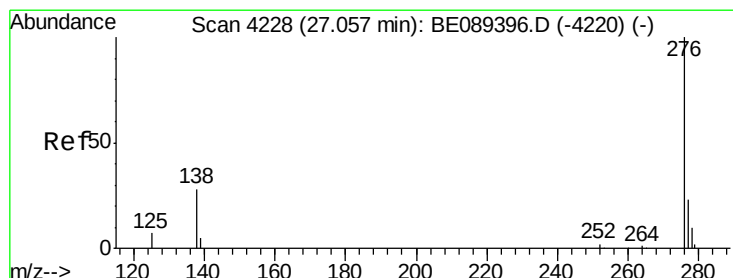
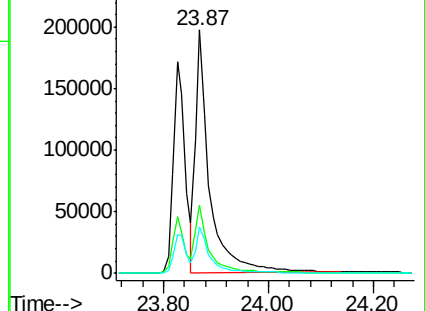
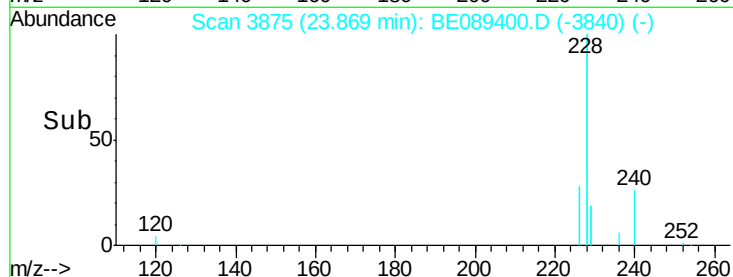
229 19.2 15.2 22.8



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: 0.87 ng

RT: 27.06 min Scan# 4228

Delta R.T. -0.01 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

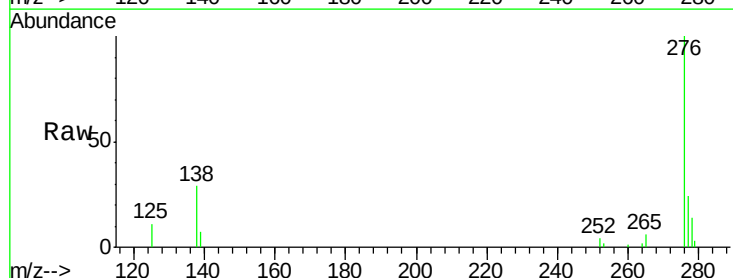
Tgt Ion:276 Resp: 63575

Ion Ratio Lower Upper

276 100

138 32.1 0.0 0.0#

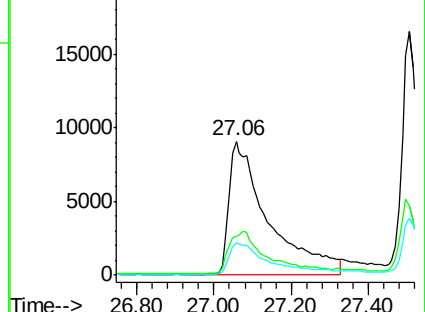
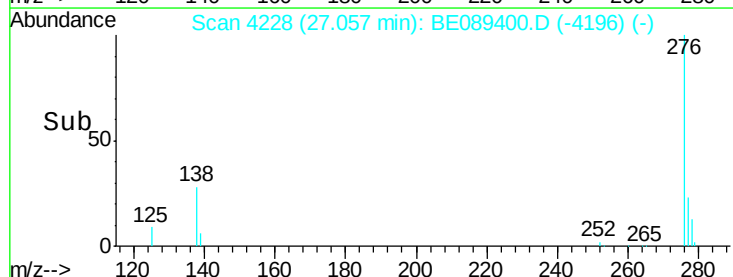
277 24.3 0.0 0.0#

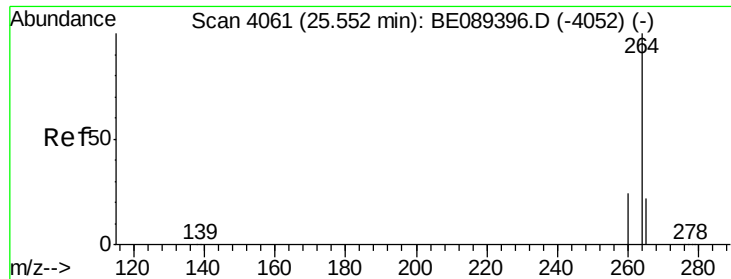


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

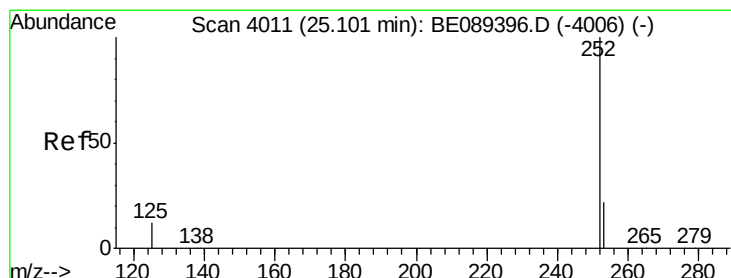
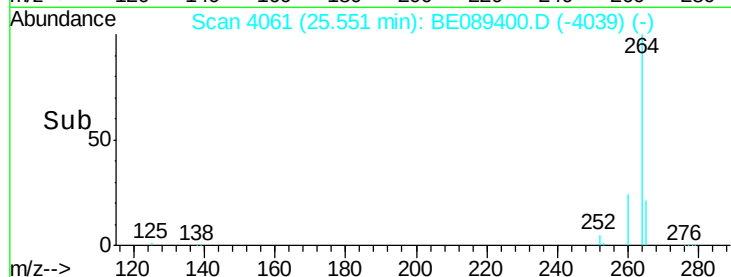
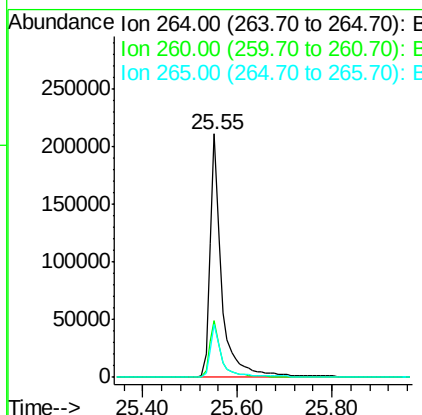
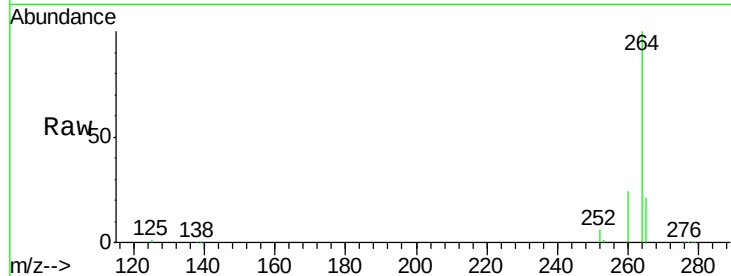




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.55 min Scan# 4061
 Delta R.T. -0.00 min
 Lab File: BE089400.D
 Acq: 28 Jan 2015 22:30

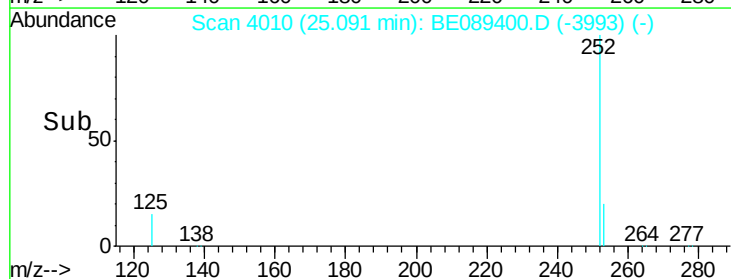
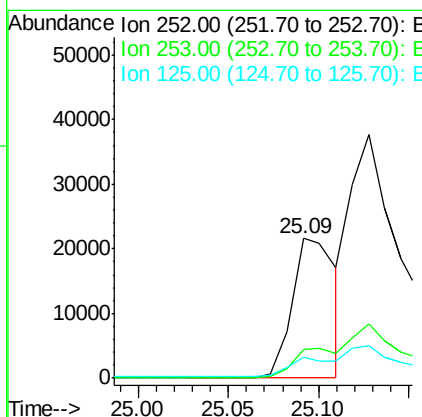
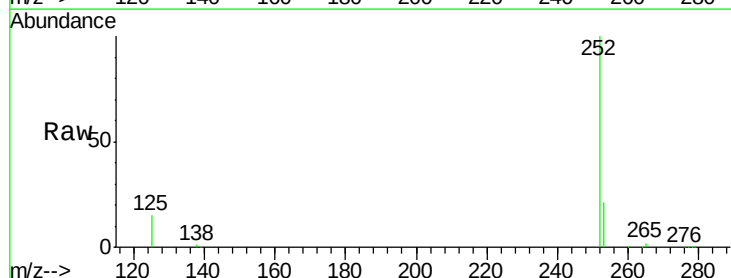
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE012815

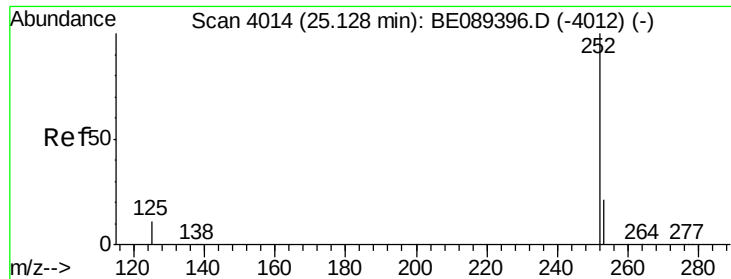
Tgt Ion: 264 Resp: 362067
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.9 28.3
 265 21.5 17.5 26.3



#28
Benzo(b)fluoranthene
 Concen: 0.76 ng m
 RT: 25.09 min Scan# 4010
 Delta R.T. -0.01 min
 Lab File: BE089400.D
 Acq: 28 Jan 2015 22:30

Tgt Ion: 252 Resp: 36796
 Ion Ratio Lower Upper
 252 100
 253 20.7 17.6 26.4
 125 15.3 9.8 14.6#





#29

Benzo(k)fluoranthene

Concen: 0.92 ng m

RT: 25.13 min Scan# 4014

Delta R.T. -0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

Instrument :

BNA_E

ClientSampleId :

ICVBE012815

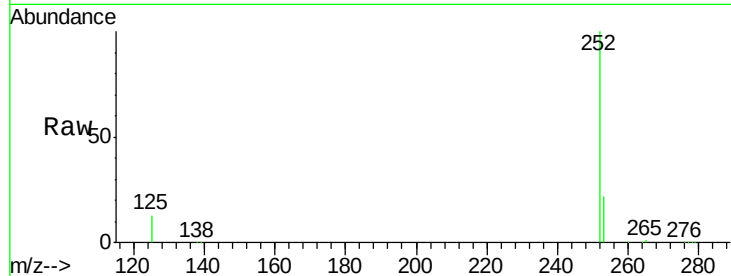
Tgt Ion:252 Resp: 95494

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

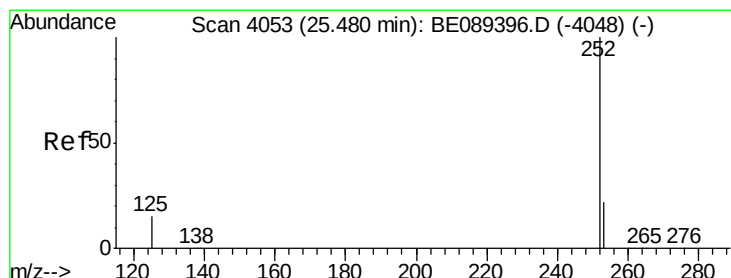
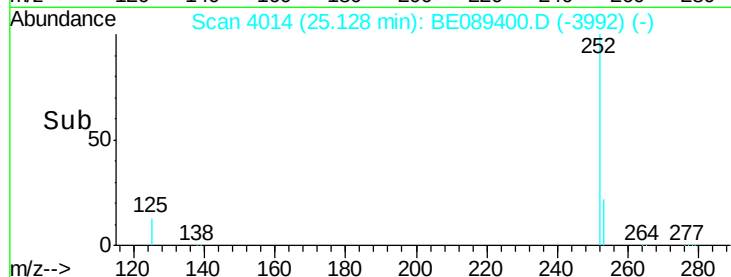
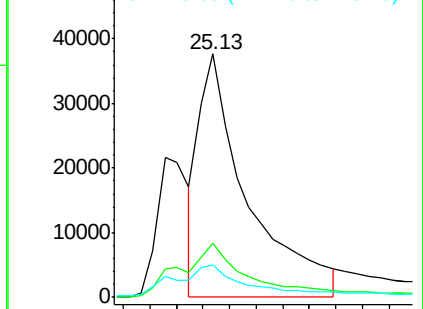
125 13.3 10.2 15.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#30

Benzo(a)pyrene

Concen: 0.82 ng

RT: 25.48 min Scan# 4053

Delta R.T. 0.00 min

Lab File: BE089400.D

Acq: 28 Jan 2015 22:30

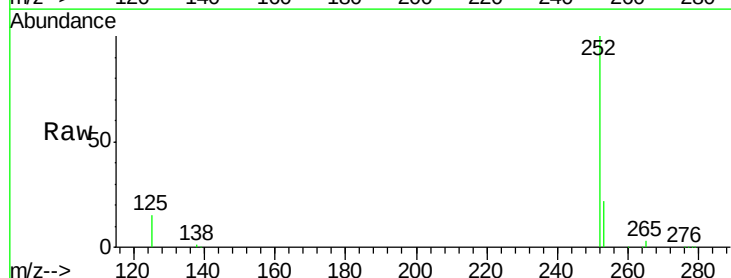
Tgt Ion:252 Resp: 44773

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

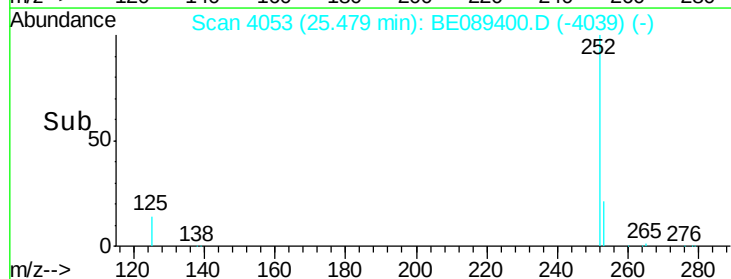
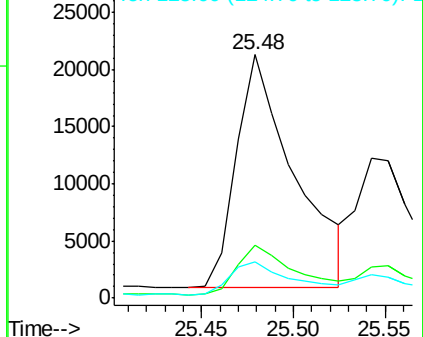
125 15.1 12.2 18.4

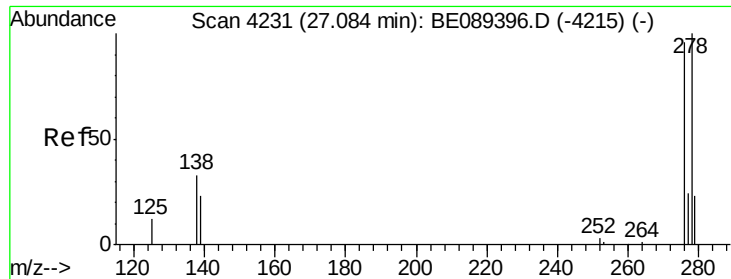


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 0.81 ng

RT: 27.08 min Scan# 4231

Delta R.T. -0.00 min

Lab File: BE089400.D

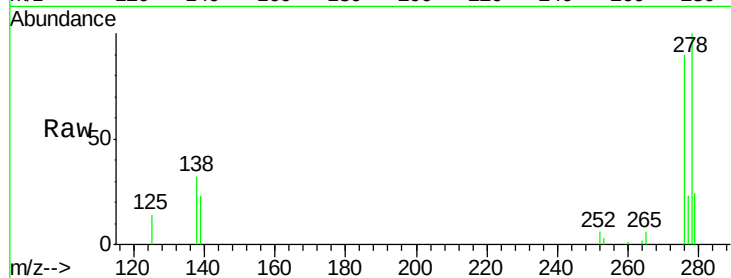
Acq: 28 Jan 2015 22:30

Instrument :

BNA_E

ClientSampleId :

ICVBE012815



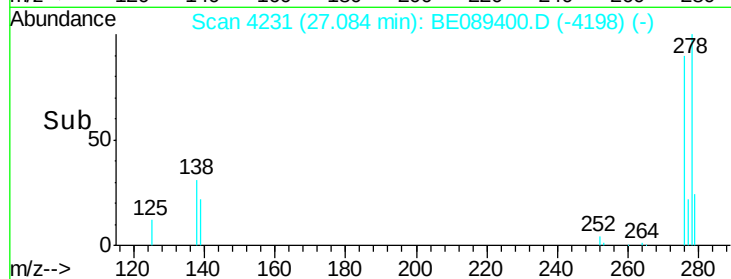
Tgt Ion: 278 Resp: 44409

Ion Ratio Lower Upper

278 100

139 22.7 18.5 27.7

279 24.5 18.6 28.0



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

