

Data Path : Z:\HPCHEM1\BNA_E\Data\BE012915\
 Data File : BE089421.D
 Acq On : 29 Jan 2015 19:44
 Operator : TP/IZ
 Sample : G1110-08MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 30 06:35:15 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 03:48:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	117795	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	429621	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	192907	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	372226	5.00	ng	0.00
20) Chrysene-d12	23.84	240	512901	5.00	ng	0.00
27) Perylene-d12	25.55	264	564556	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.74	112	160622	3.62	ng	0.00
4) Phenol-d6	8.85	99	118833	2.26	ng	0.00
8) Nitrobenzene-d5	10.85	82	261152	7.48	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	68118	12.80	ng	0.01
15) 2-Fluorobiphenyl	15.13	172	367417	6.83	ng	0.00
22) Terphenyl-d14	22.48	244	564885	9.53	ng	0.00

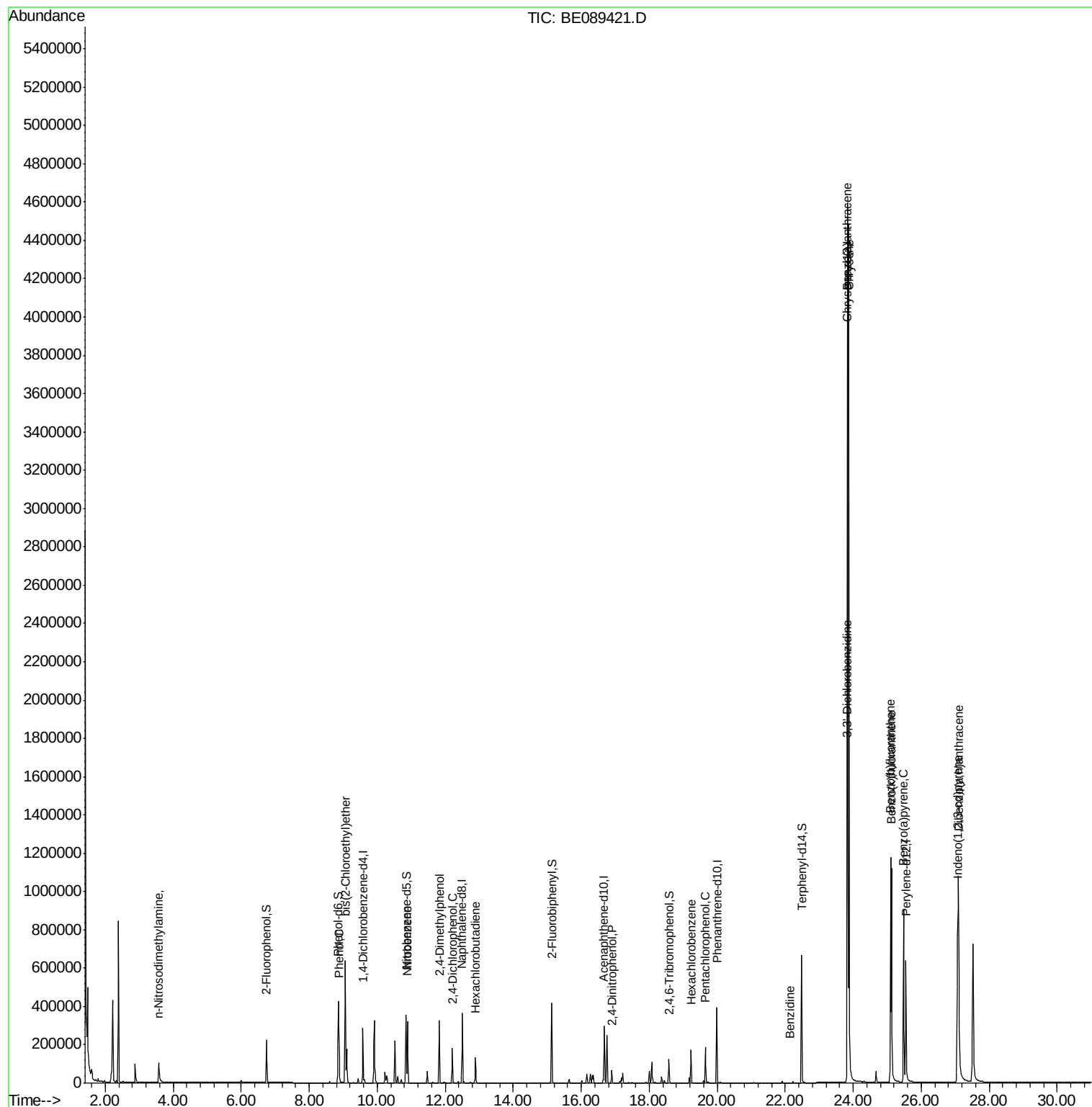
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.56	42	68731	2.98	ng	# 54
5) Phenol	8.88	94	131071	2.27	ng	94
6) bis(2-Chloroethyl)ether	9.06	93	283266	6.60	ng	# 98
9) Nitrobenzene	10.89	77	290189	7.28	ng	99
10) 2,4-Dimethylphenol	11.83	122	160523	5.67	ng	97
11) 2,4-Dichlorophenol	12.21	162	131700	6.69	ng	83
12) Hexachlorobutadiene	12.89	225	82720	6.25	ng	100
16) 2,4-Dinitrophenol	16.90	184	37355	26.41	ng	# 88
18) Hexachlorobenzene	19.23	284	137214	7.52	ng	# 88
19) Pentachlorophenol	19.66	266	104565	30.72	ng	99
21) Benzidine	22.14	184	163	0.00	ng	# 1
23) Benzo(a)anthracene	23.83	228	3707073	9.50	ng	100
24) 3,3'-Dichlorobenzidine	23.81	252	95778	3.13	ng	# 92
25) Chrysene	23.87	228	3848915	7.21	ng	92
26) Indeno(1,2,3-cd)pyrene	27.07	276	1279110	13.90	ng	# 100
28) Benzo(b)fluoranthene	25.10	252	1069329	19.22	ng	99
29) Benzo(k)fluoranthene	25.13	252	1069736	7.28	ng	97
30) Benzo(a)pyrene	25.48	252	1045760	15.18	ng	98
31) Dibenzo(a,h)anthracene	27.10	278	1125396	16.39	ng	# 93

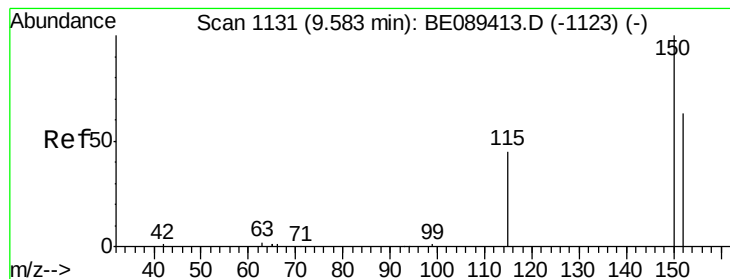
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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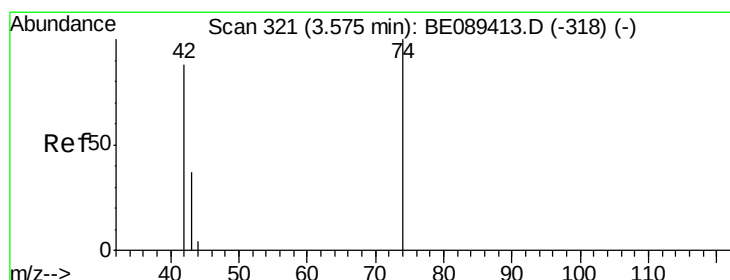
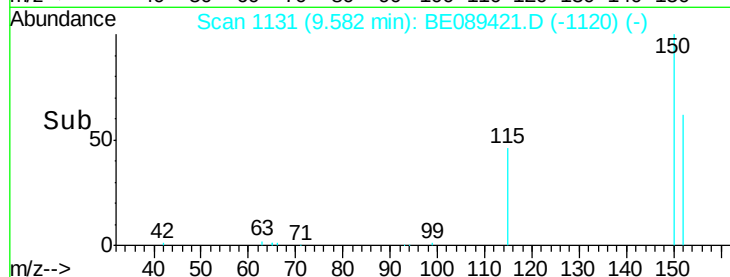
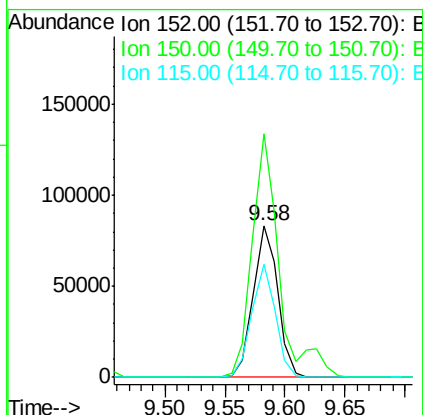
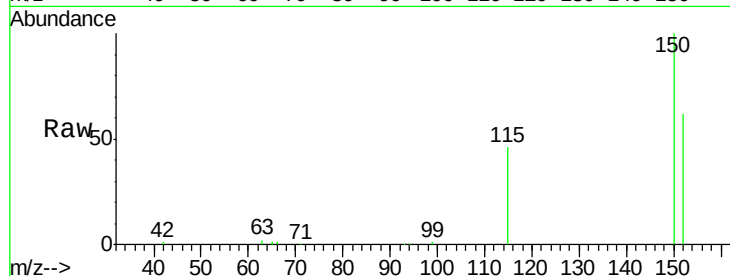




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 9.58 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: BE089421.D
 Acq: 29 Jan 2015 19:44

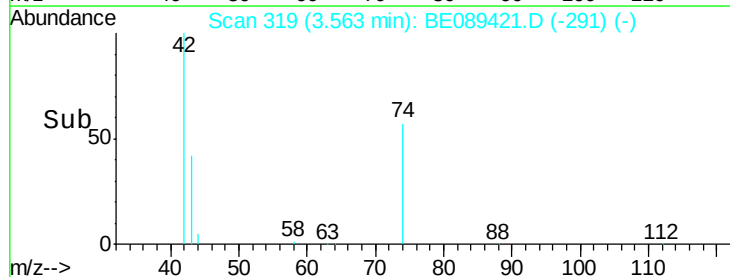
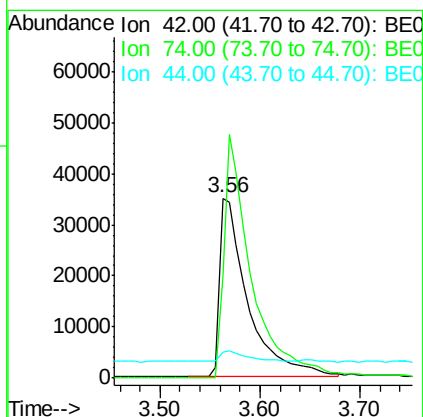
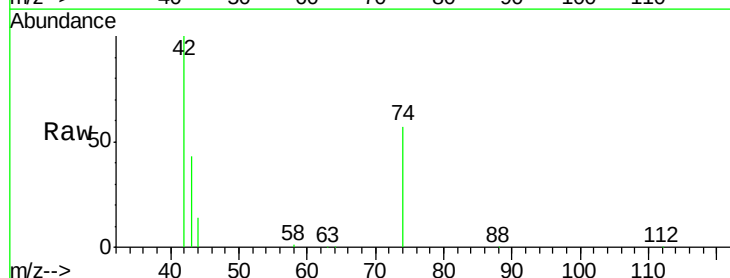
Instrument :
 BNA_E
 ClientSampleId :

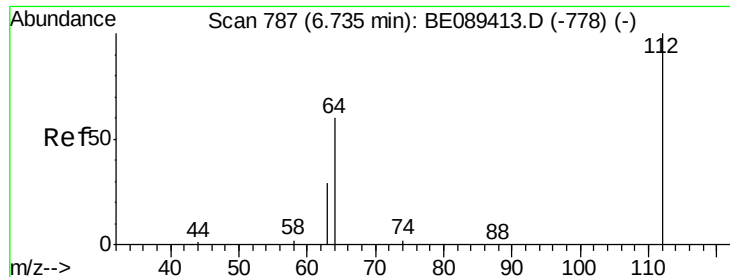
Tgt Ion:152 Resp: 117795
 Ion Ratio Lower Upper
 152 100
 150 160.4 126.1 189.1
 115 74.1 57.1 85.7



#2
 n-Nitrosodimethylamine
 Concen: 2.98 ng
 RT: 3.56 min Scan# 319
 Delta R.T. -0.01 min
 Lab File: BE089421.D
 Acq: 29 Jan 2015 19:44

Tgt Ion: 42 Resp: 68731
 Ion Ratio Lower Upper
 42 100
 74 57.2 90.2 135.2#
 44 14.4 19.4 29.2#





#3

2-Fluorophenol

Concen: 3.62 ng

RT: 6.74 min Scan# 788

Delta R.T. 0.01 min

Lab File: BE089421.D

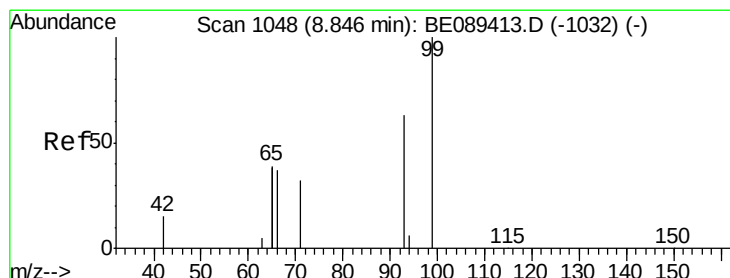
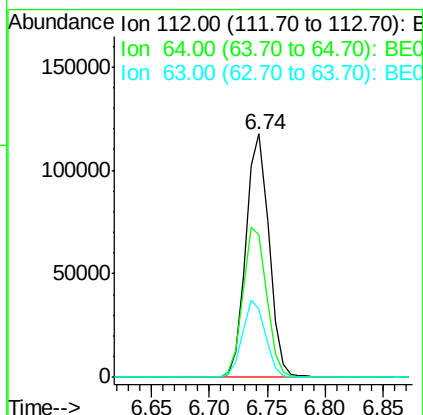
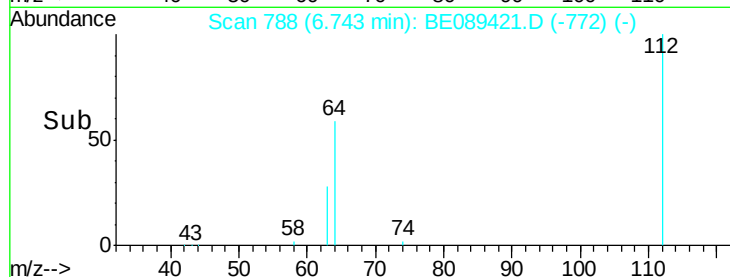
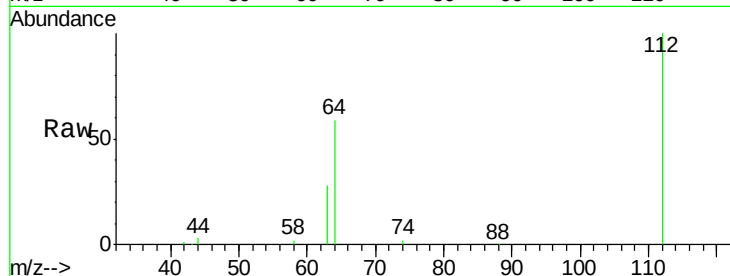
Acq: 29 Jan 2015 19:44

Instrument :

BNA_E

ClientSampled :

Tgt Ion:	112	Resp:	160622
Ion	Ratio	Lower	Upper
112	100		
64	58.6	48.2	72.4
63	28.0	23.5	35.3



#4

Phenol-d6

Concen: 2.26 ng

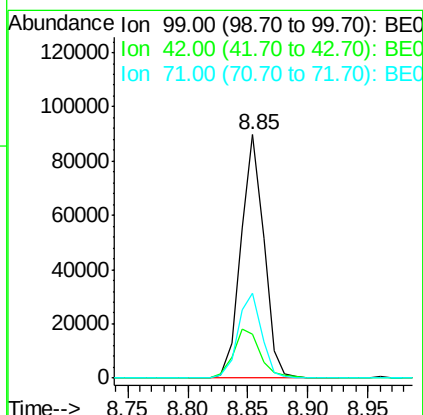
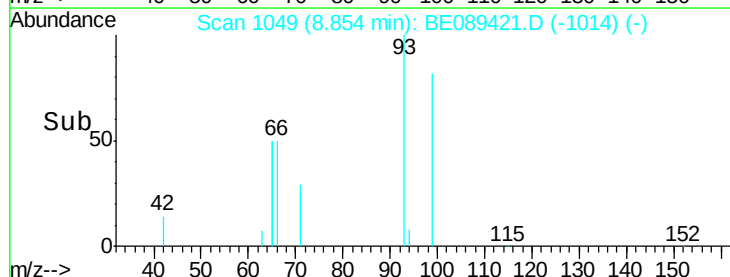
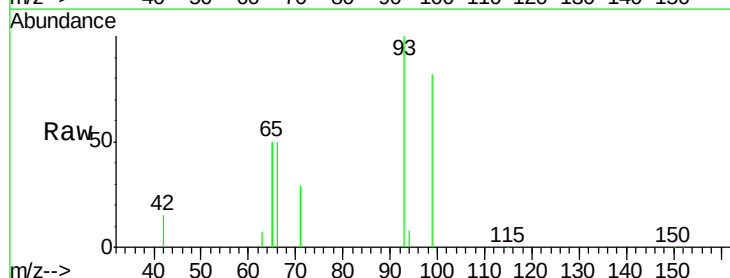
RT: 8.85 min Scan# 1049

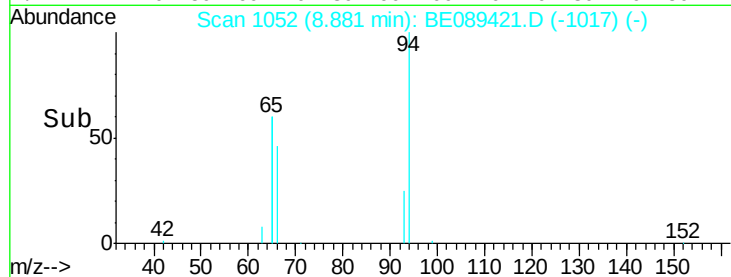
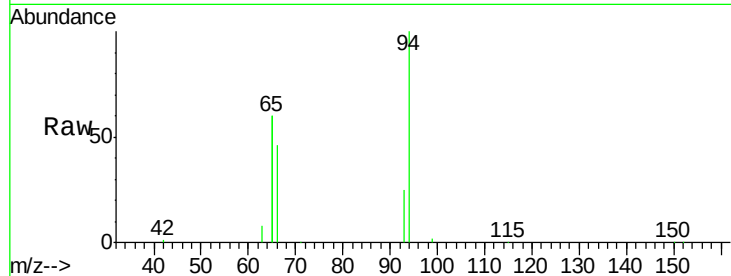
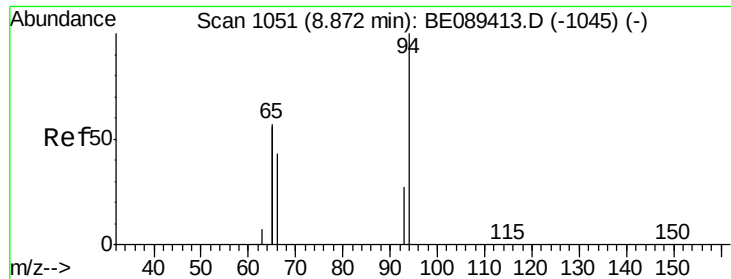
Delta R.T. 0.01 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

Tgt Ion:	99	Resp:	118833
Ion	Ratio	Lower	Upper
99	100		
42	17.9	11.9	17.9
71	35.1	25.8	38.6





#5

Phenol

Concen: 2.27 ng

RT: 8.88 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

Instrument :

BNA_E

ClientSampleId :

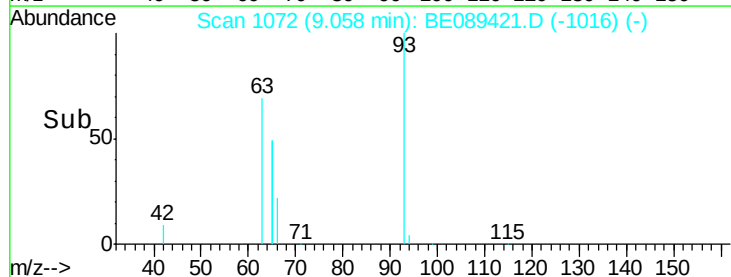
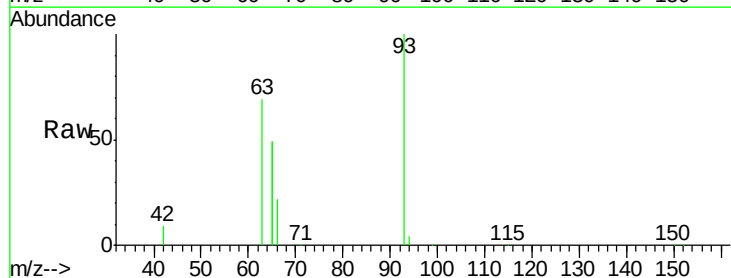
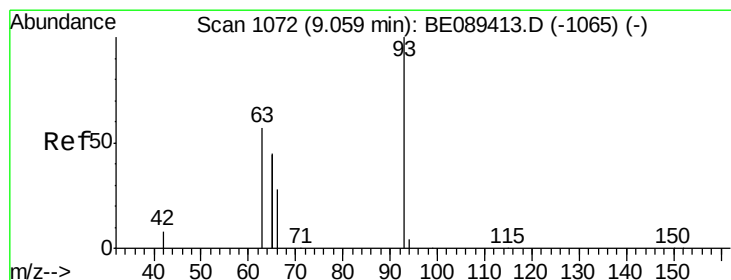
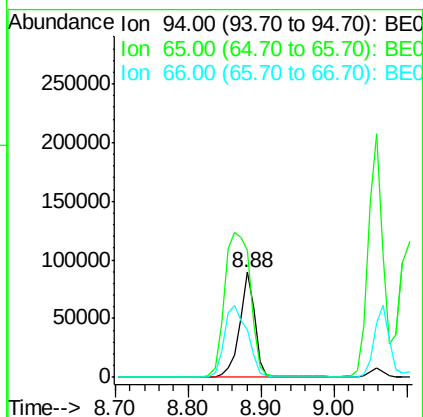
Tgt Ion: 94 Resp: 131071

Ion Ratio Lower Upper

94 100

65 120.8 93.3 133.3

66 45.7 23.6 63.6



#6

bis(2-Chloroethyl)ether

Concen: 6.60 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

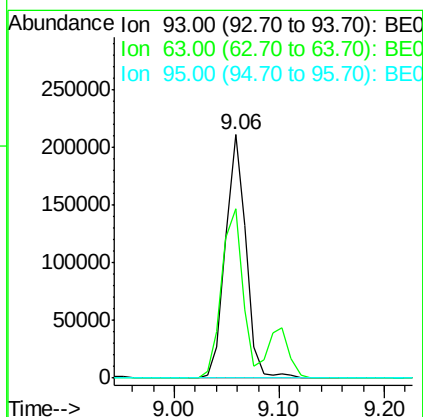
Tgt Ion: 93 Resp: 283266

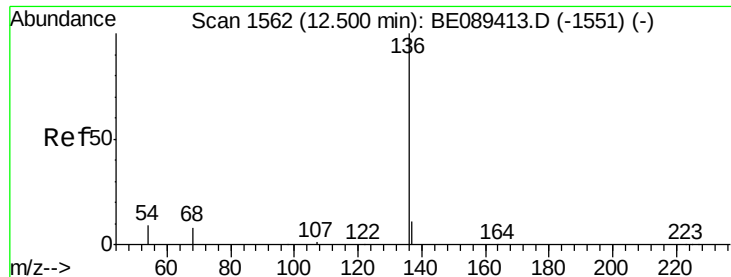
Ion Ratio Lower Upper

93 100

63 75.0 58.6 88.0

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: BE089421.D

Acq: 29 Jan 2015 19:44

Instrument :

BNA_E

ClientSampleId :

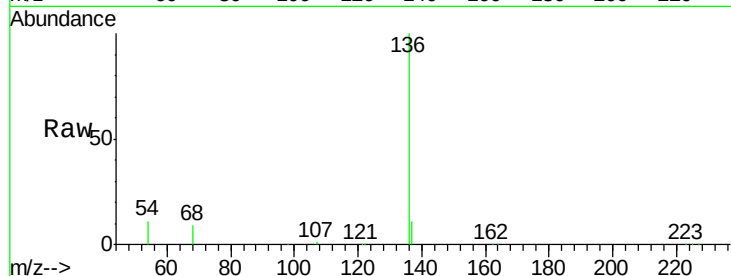
Tgt Ion: 136 Resp: 429621

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

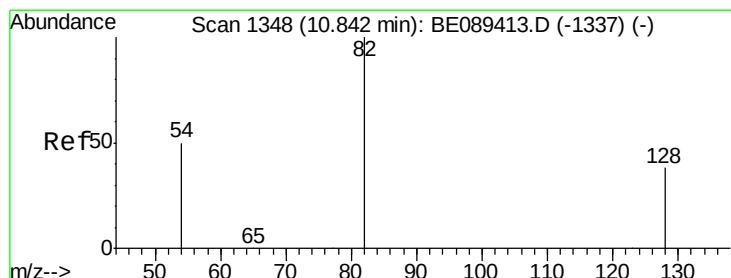
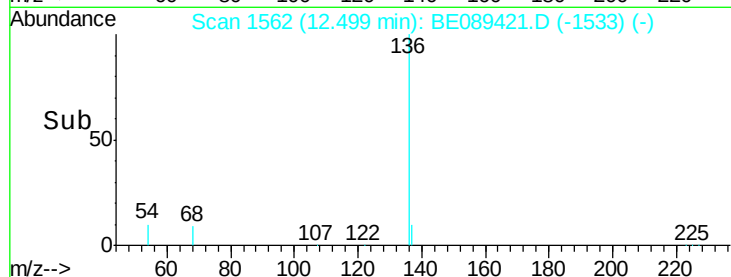
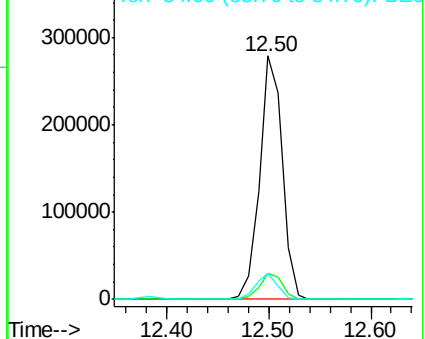
54 10.5 7.5 11.3



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: 7.48 ng

RT: 10.85 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

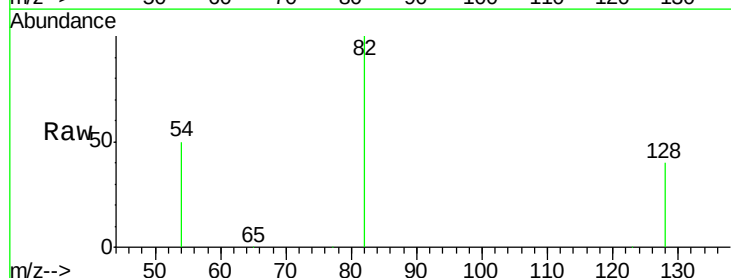
Tgt Ion: 82 Resp: 261152

Ion Ratio Lower Upper

82 100

128 39.8 31.0 46.4

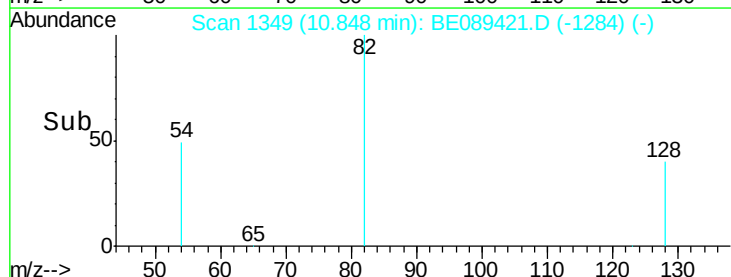
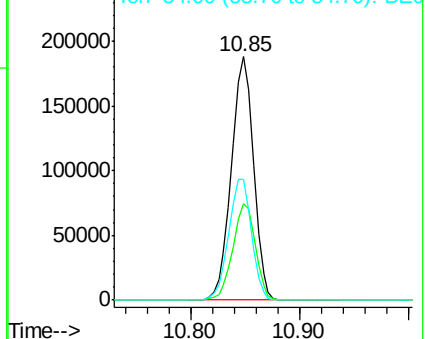
54 49.6 39.8 59.6

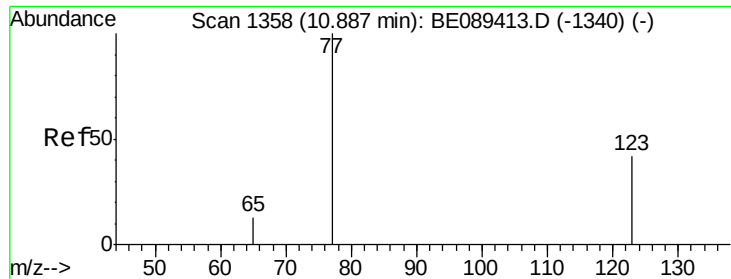


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 7.28 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

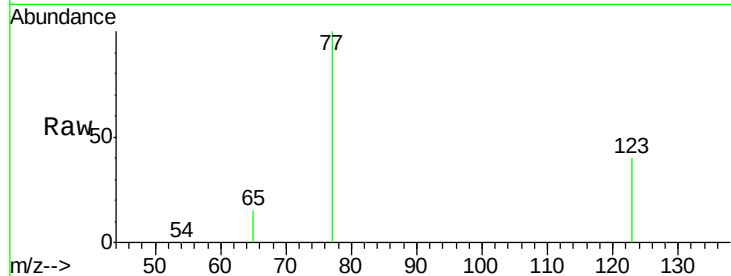
Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

Instrument :

BNA_E

ClientSampled :



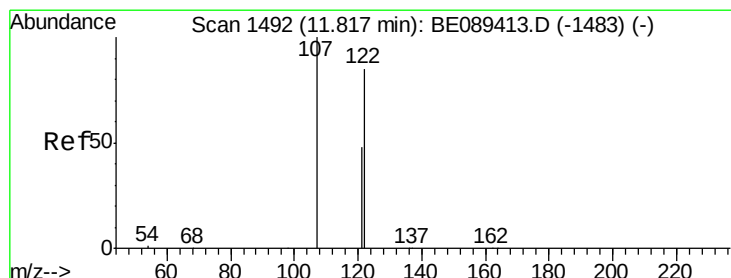
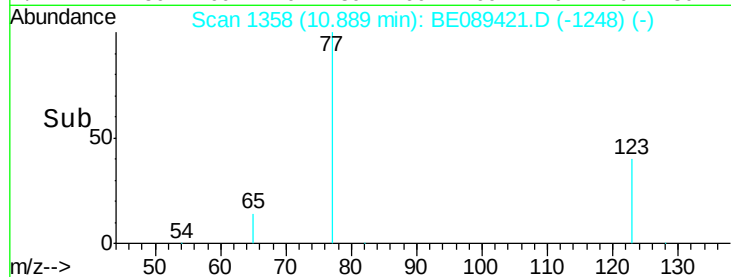
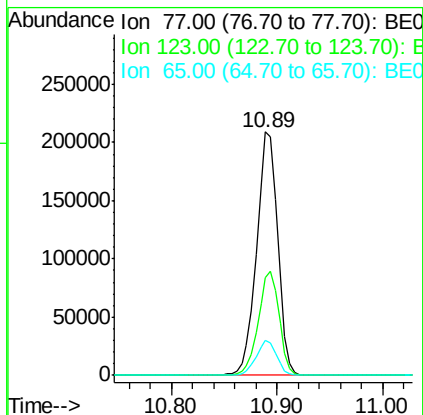
Tgt Ion: 77 Resp: 290189

Ion Ratio Lower Upper

77 100

123 42.0 32.8 49.2

65 14.0 11.0 16.6



#10

2,4-Dimethylphenol

Concen: 5.67 ng

RT: 11.83 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

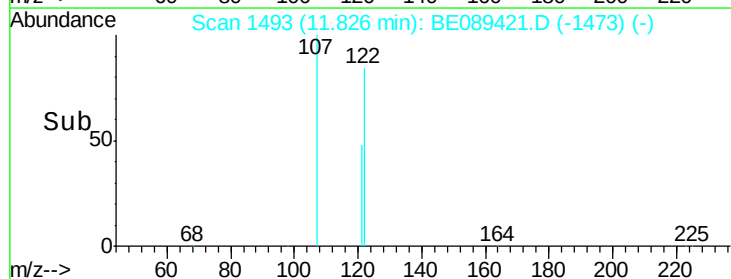
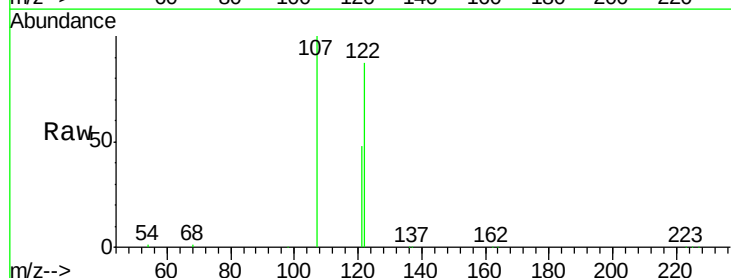
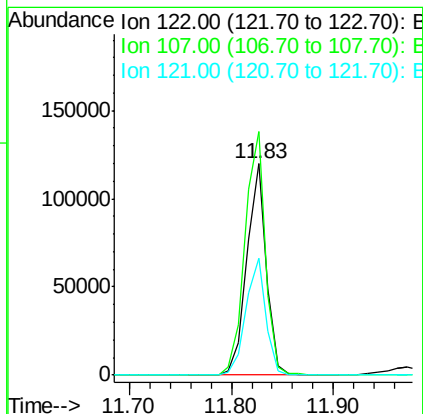
Tgt Ion: 122 Resp: 160523

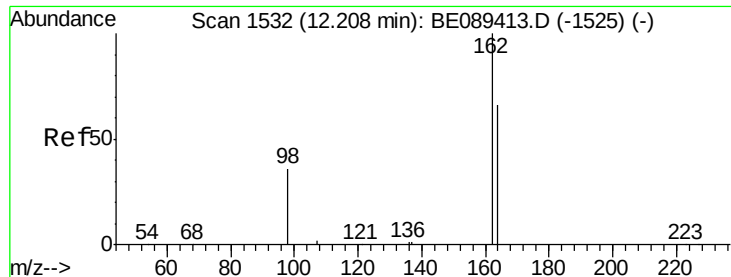
Ion Ratio Lower Upper

122 100

107 115.3 94.6 142.0

121 55.3 45.8 68.6

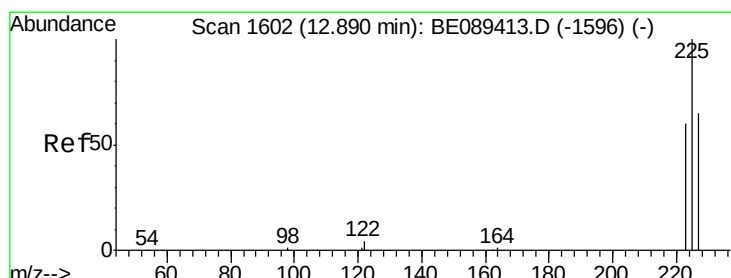
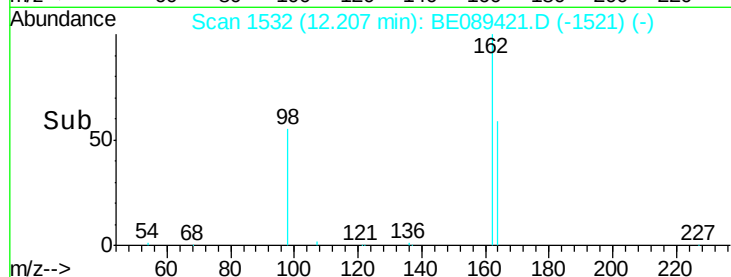
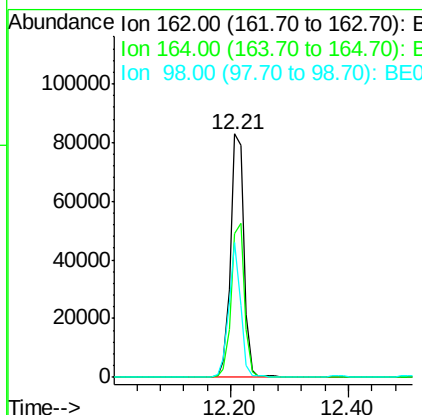
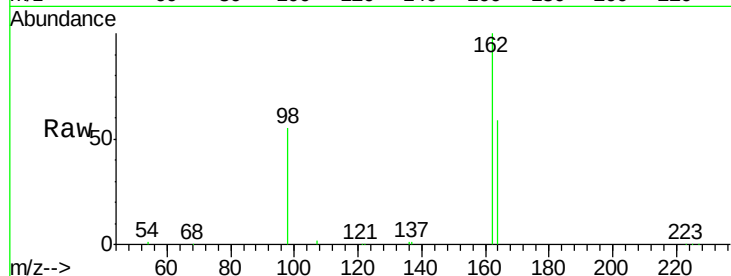




#11
 2,4-Dichlorophenol
 Concen: 6.69 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BE089421.D
 Acq: 29 Jan 2015 19:44

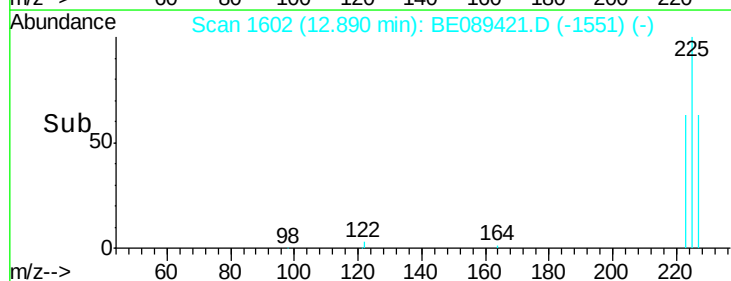
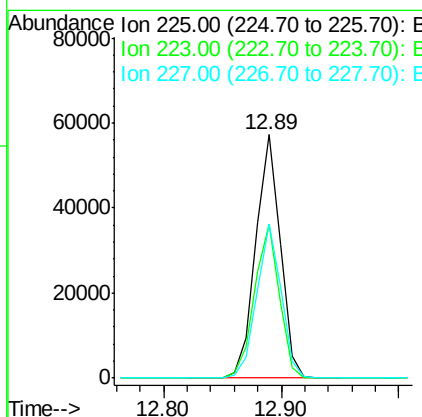
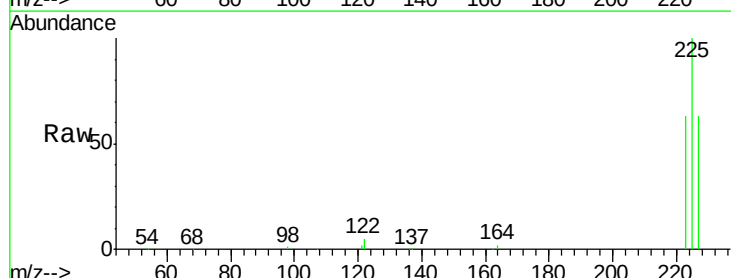
Instrument :
 BNA_E
 ClientSampleId :

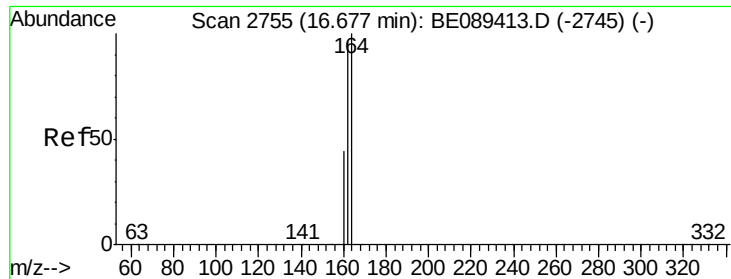
Tgt Ion:162 Resp: 131700
 Ion Ratio Lower Upper
 162 100
 164 59.2 46.1 86.1
 98 55.2 16.2 56.2



#12
 Hexachlorobutadiene
 Concen: 6.25 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BE089421.D
 Acq: 29 Jan 2015 19:44

Tgt Ion:225 Resp: 82720
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.4 75.6
 227 62.7 50.2 75.2

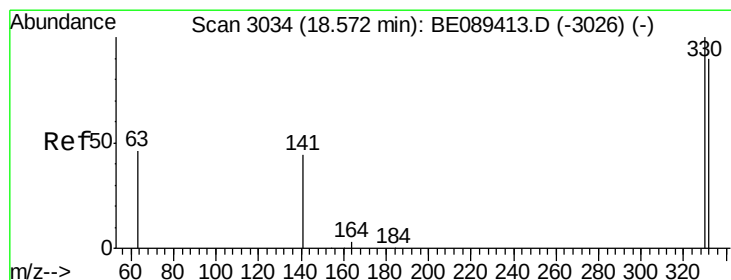
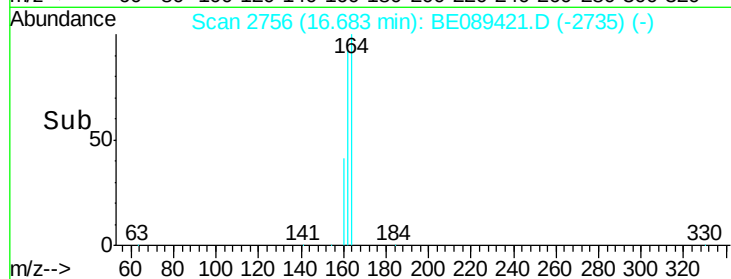
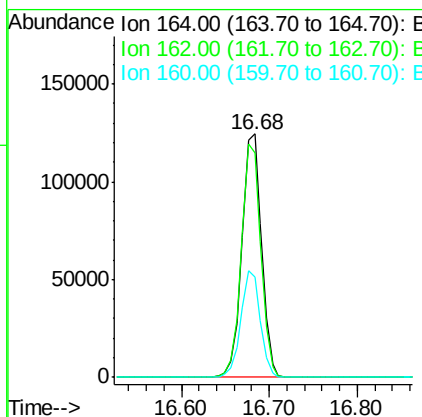
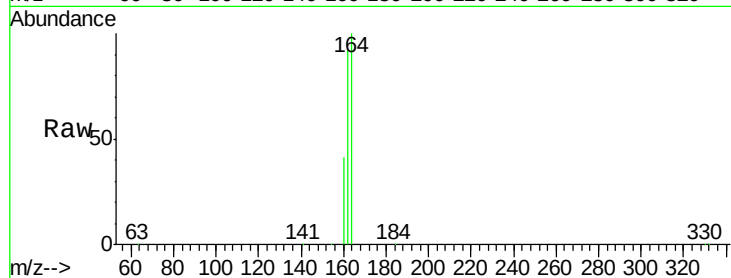




#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.68 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BE089421.D
 Acq: 29 Jan 2015 19:44

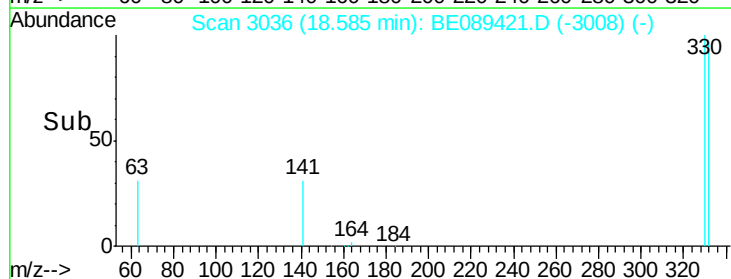
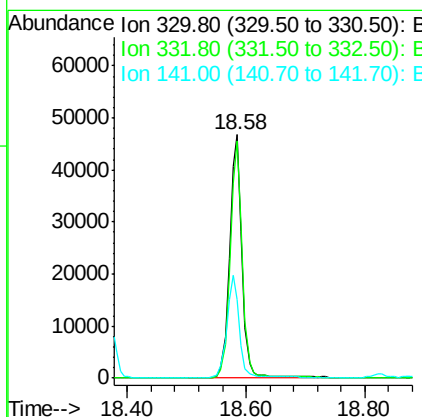
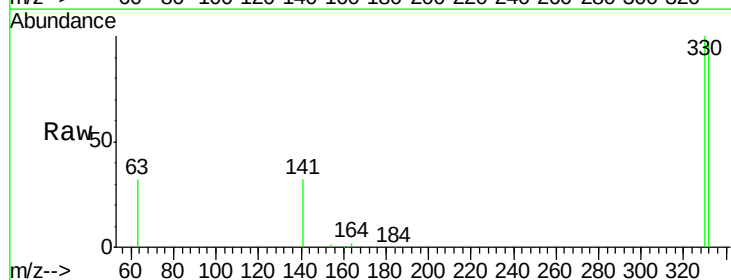
Instrument :
 BNA_E
 ClientSampleId :

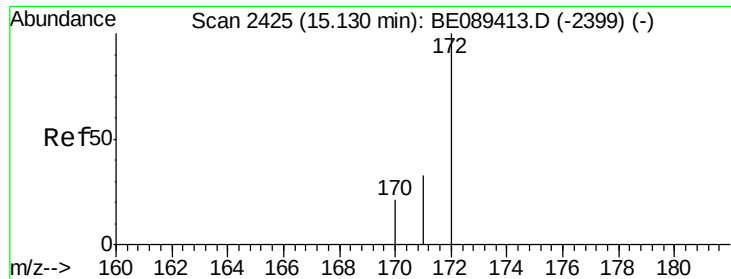
Tgt Ion:164 Resp: 192907
 Ion Ratio Lower Upper
 164 100
 162 92.4 77.0 115.6
 160 41.0 35.0 52.4



#14
 2,4,6-Tribromophenol
 Concen: 12.80 ng
 RT: 18.58 min Scan# 3036
 Delta R.T. 0.01 min
 Lab File: BE089421.D
 Acq: 29 Jan 2015 19:44

Tgt Ion:330 Resp: 68118
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.0 114.0
 141 41.5 35.6 53.4

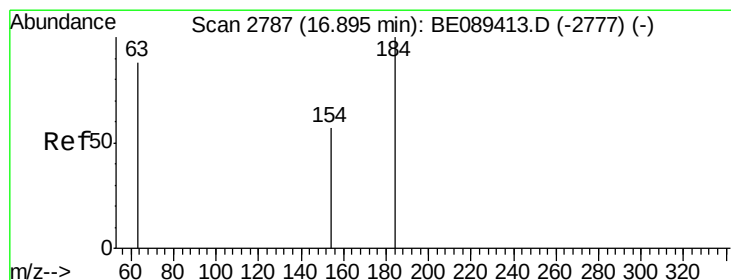
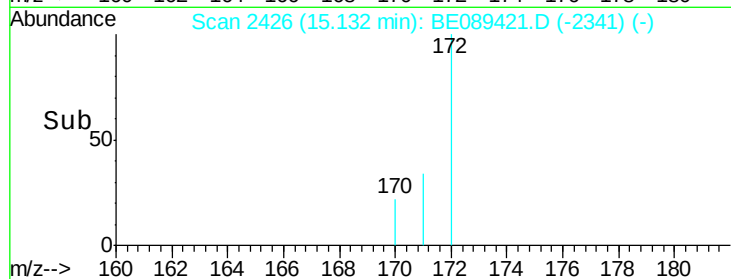
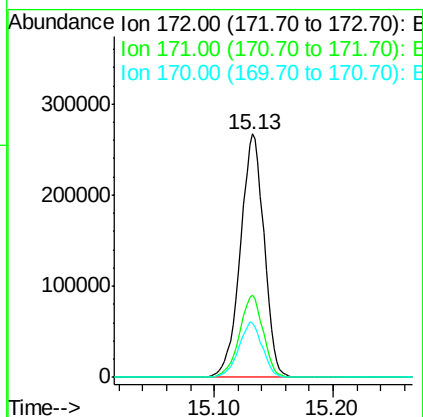
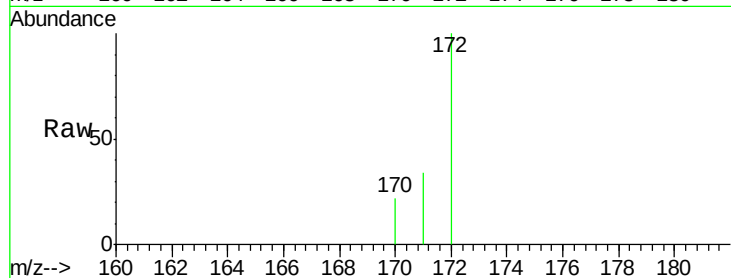




#15
2-Fluorobiphenyl
Concen: 6.83 ng
RT: 15.13 min Scan# 2426
Delta R.T. 0.00 min
Lab File: BE089421.D
Acq: 29 Jan 2015 19:44

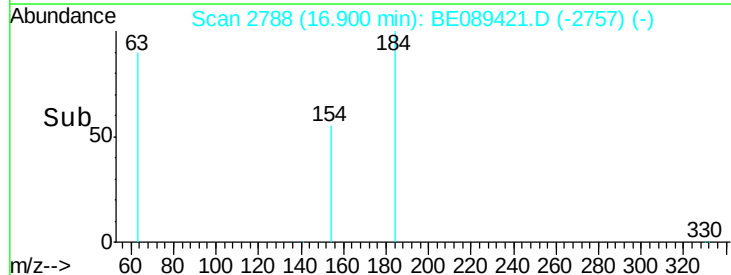
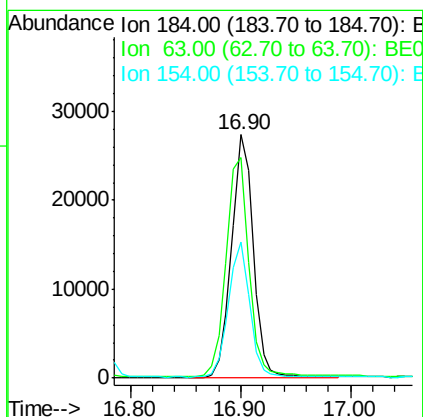
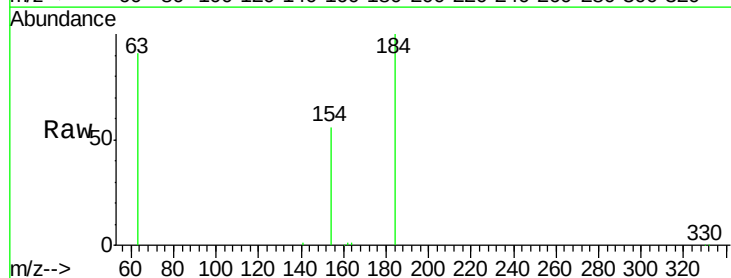
Instrument :
BNA_E
ClientSampleId :

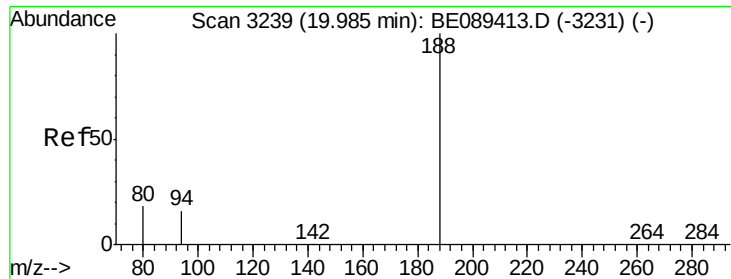
Tgt Ion:172 Resp: 367417
Ion Ratio Lower Upper
172 100
171 33.8 26.6 39.8
170 22.4 17.1 25.7



#16
2,4-Dinitrophenol
Concen: 26.41 ng
RT: 16.90 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BE089421.D
Acq: 29 Jan 2015 19:44

Tgt Ion:184 Resp: 37355
Ion Ratio Lower Upper
184 100
63 90.6 79.0 118.4
154 55.7 55.8 83.6#

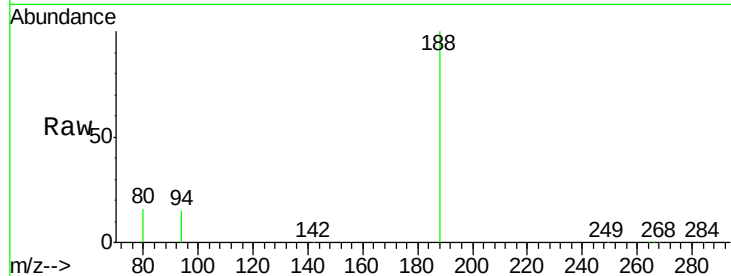




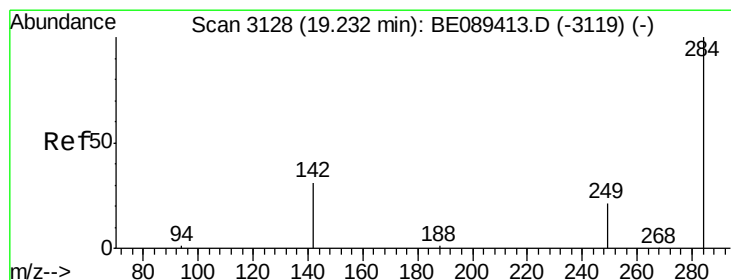
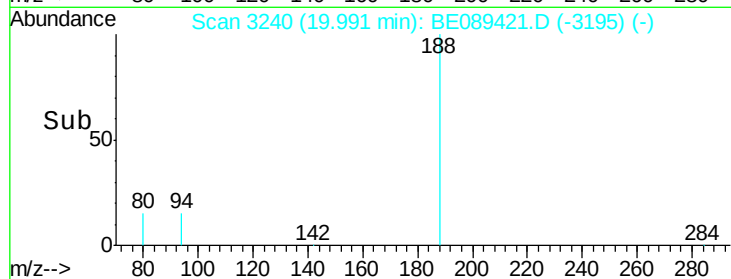
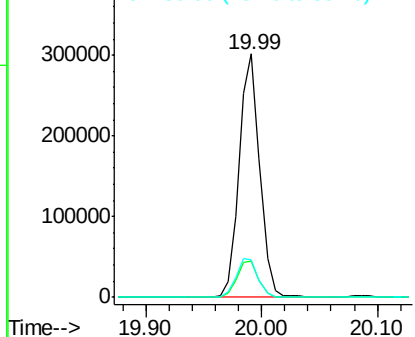
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BE089421.D
Acq: 29 Jan 2015 19:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 372226
Ion Ratio Lower Upper
188 100
94 14.8 13.0 19.6
80 15.6 14.2 21.4

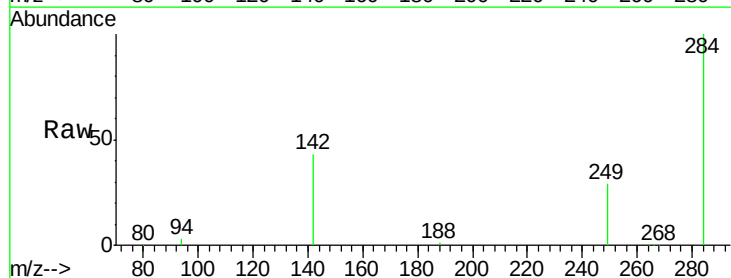


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

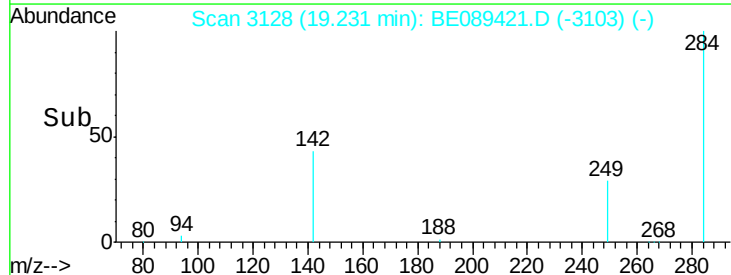
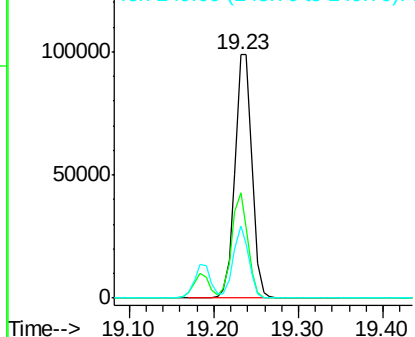


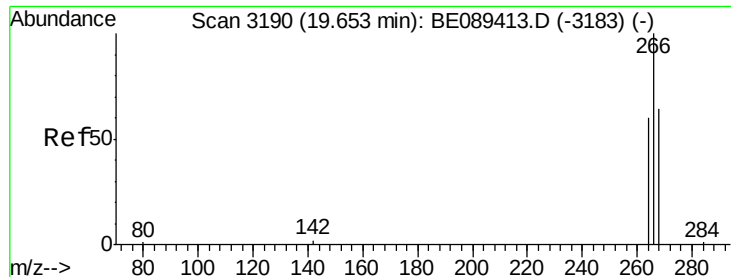
#18
Hexachlorobenzene
Concen: 7.52 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089421.D
Acq: 29 Jan 2015 19:44

Tgt Ion:284 Resp: 137214
Ion Ratio Lower Upper
284 100
142 43.5 28.3 42.5#
249 29.5 19.9 29.9



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

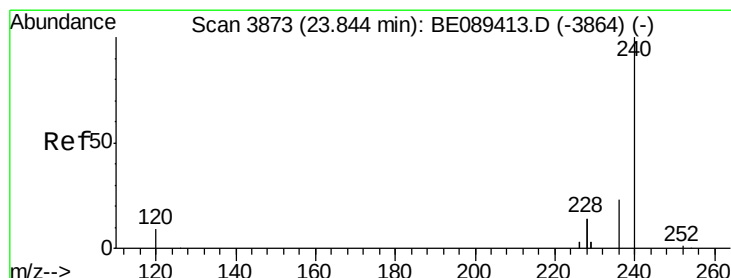
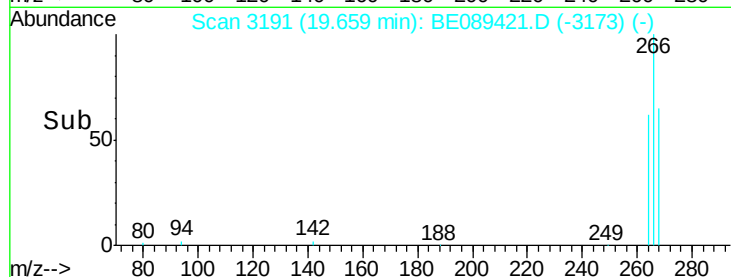
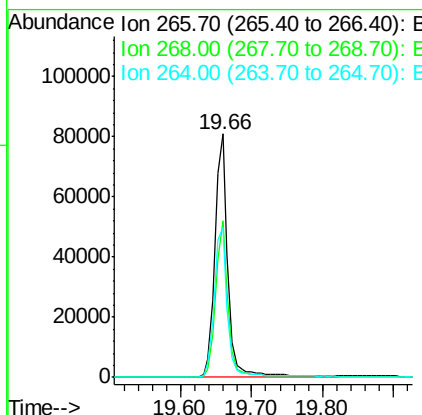
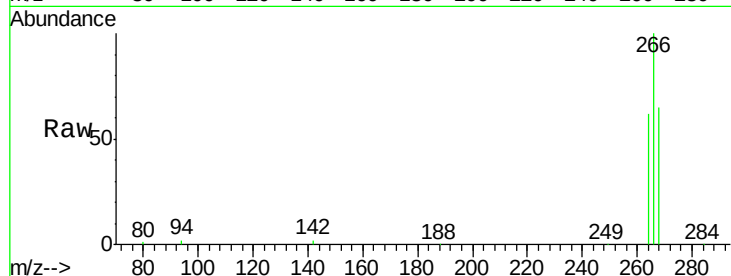




#19
 Pentachlorophenol
 Concen: 30.72 ng
 RT: 19.66 min Scan# 3191
 Delta R.T. 0.01 min
 Lab File: BE089421.D
 Acq: 29 Jan 2015 19:44

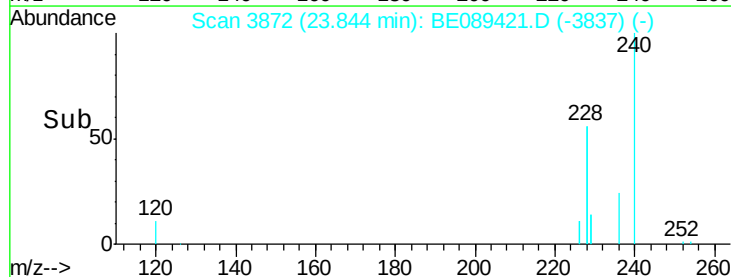
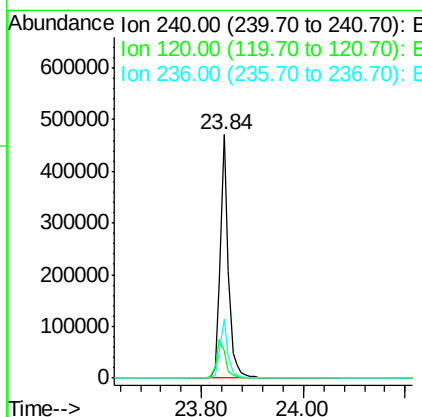
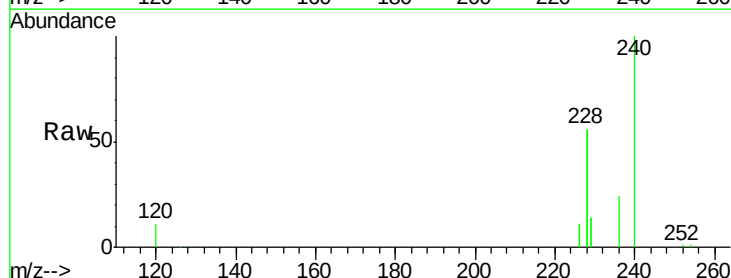
Instrument :
 BNA_E
 ClientSampleId :

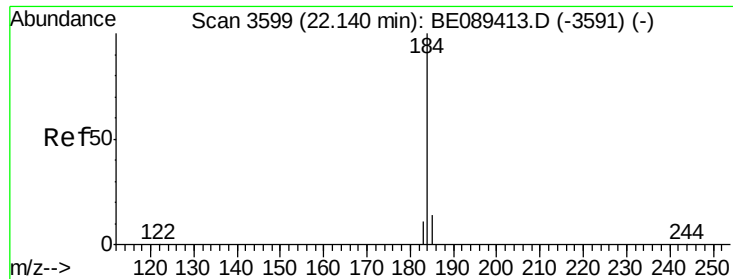
Tgt Ion:266 Resp: 104565
 Ion Ratio Lower Upper
 266 100
 268 64.6 51.9 77.9
 264 61.6 48.5 72.7



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. -0.00 min
 Lab File: BE089421.D
 Acq: 29 Jan 2015 19:44

Tgt Ion:240 Resp: 512901
 Ion Ratio Lower Upper
 240 100
 120 11.1 6.9 10.3#
 236 24.1 18.2 27.2





#21

Benzidine

Concen: 0.00 ng

RT: 22.14 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

Instrument :

BNA_E

ClientSampleId :

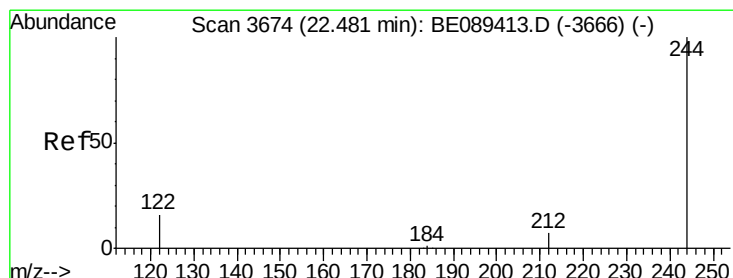
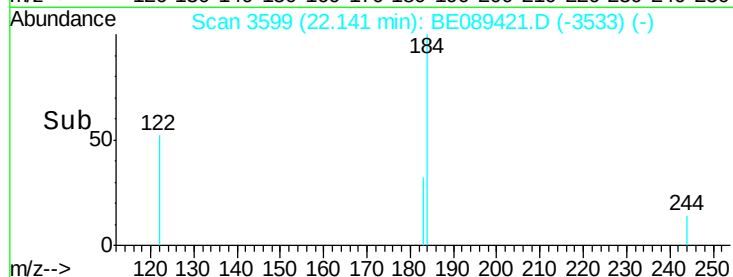
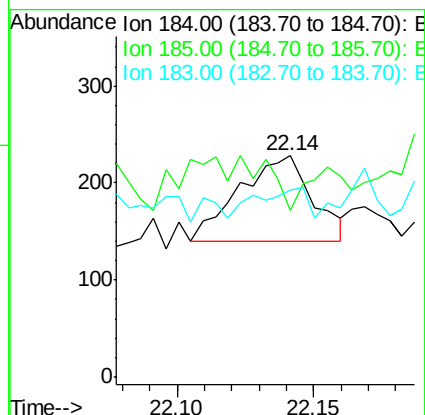
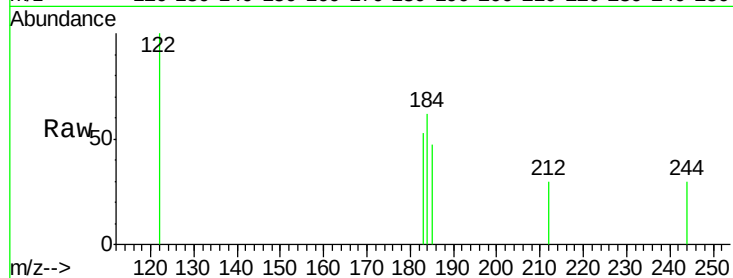
Tgt Ion:184 Resp: 163

Ion Ratio Lower Upper

184 100

185 75.4 11.0 16.6#

183 84.6 8.6 13.0#



#22

Terphenyl-d14

Concen: 9.53 ng

RT: 22.48 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

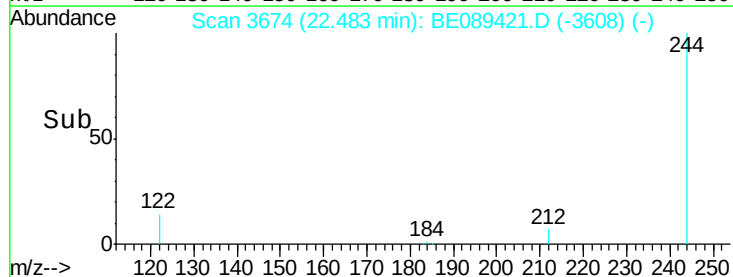
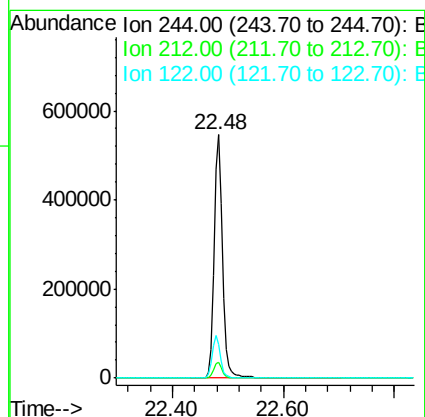
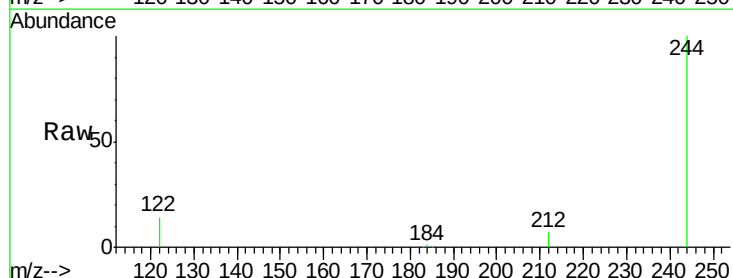
Tgt Ion:244 Resp: 564885

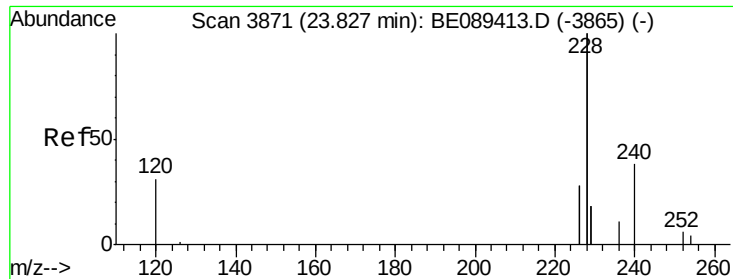
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 13.8 13.2 19.8





#23

Benzo(a)anthracene

Concen: 9.50 ng

RT: 23.83 min Scan# 3870

Delta R.T. -0.00 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

Instrument :

BNA_E

ClientSampleId :

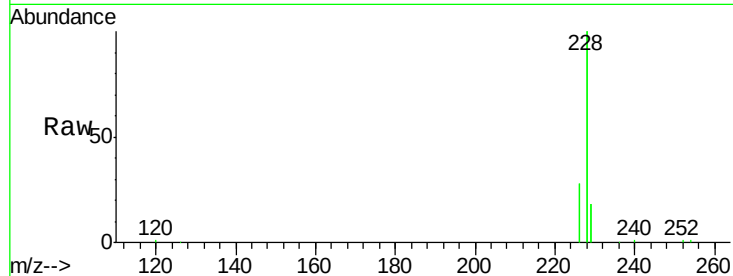
Tgt Ion:228 Resp: 3707073

Ion Ratio Lower Upper

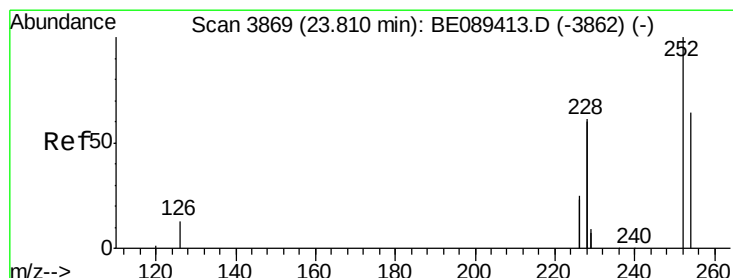
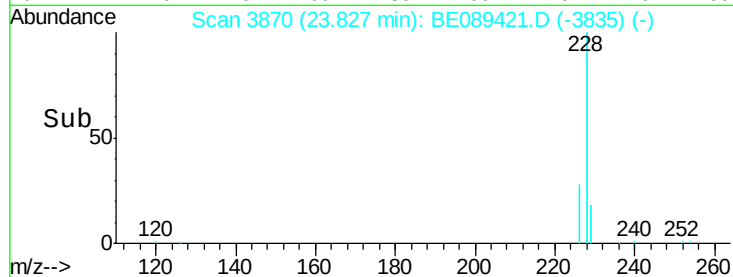
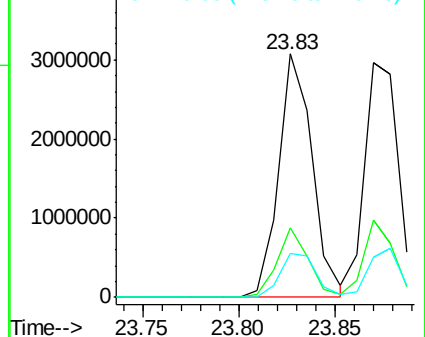
228 100

226 28.3 22.6 33.8

229 18.3 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: 3.13 ng

RT: 23.81 min Scan# 3868

Delta R.T. 0.00 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

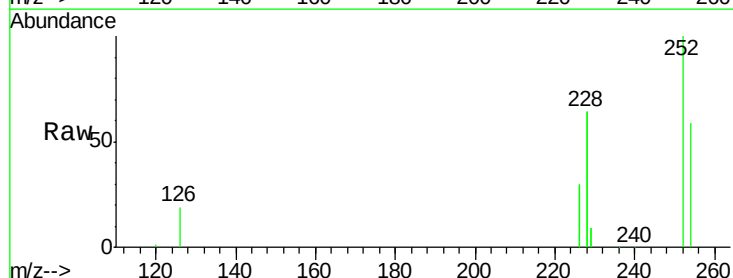
Tgt Ion:252 Resp: 95778

Ion Ratio Lower Upper

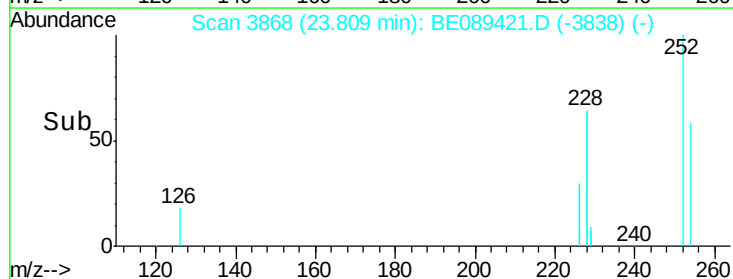
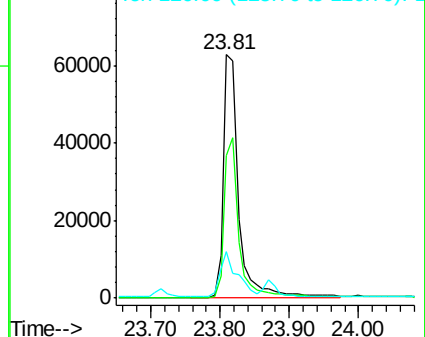
252 100

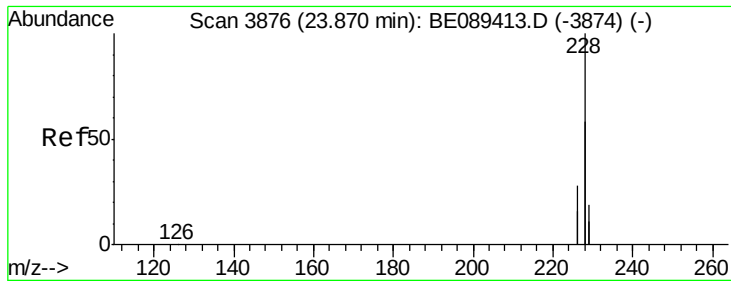
254 58.6 51.1 76.7

126 18.9 11.5 17.3#



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: 7.21 ng

RT: 23.87 min Scan# 3875

Delta R.T. -0.00 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

Instrument :

BNA_E

ClientSampleId :

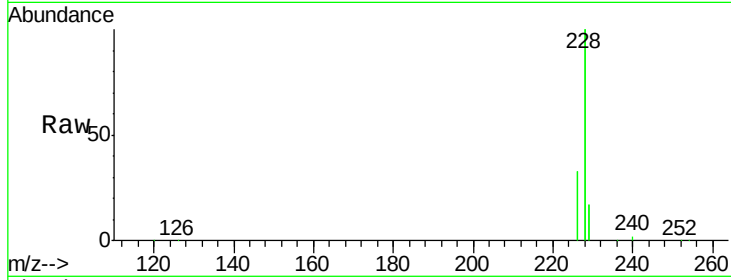
Tgt Ion:228 Resp: 3848915

Ion Ratio Lower Upper

228 100

226 33.1 22.6 33.8

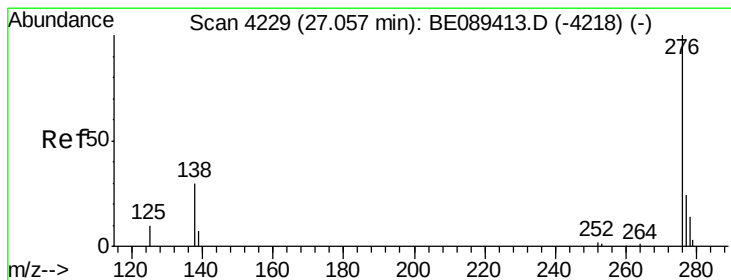
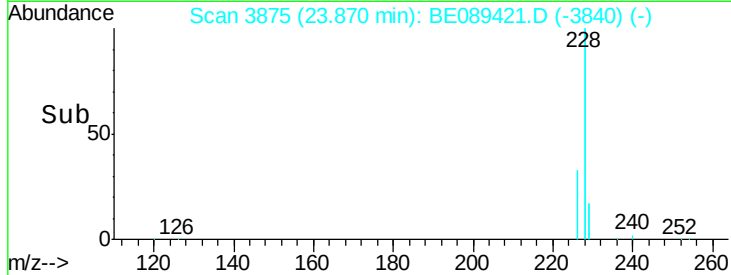
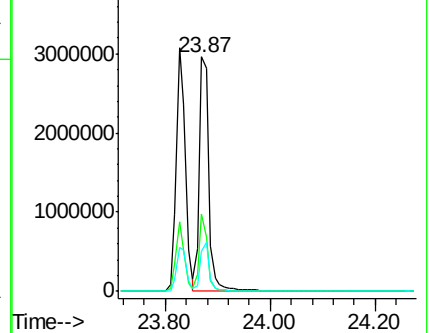
229 17.0 15.5 23.3



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: 13.90 ng

RT: 27.07 min Scan# 4229

Delta R.T. 0.01 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

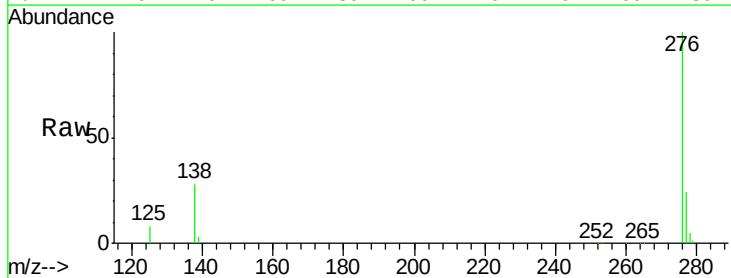
Tgt Ion:276 Resp: 1279110

Ion Ratio Lower Upper

276 100

138 33.0 0.0 0.0#

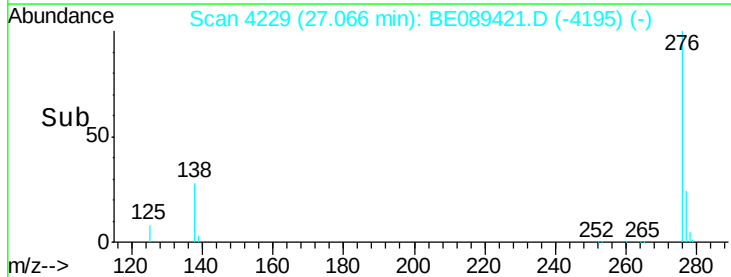
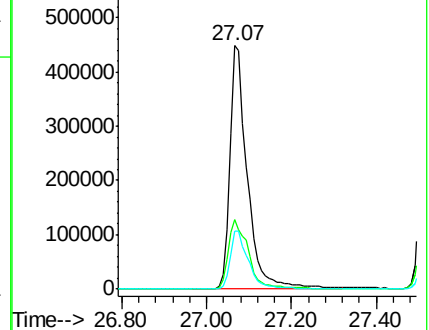
277 25.1 0.0 0.0#

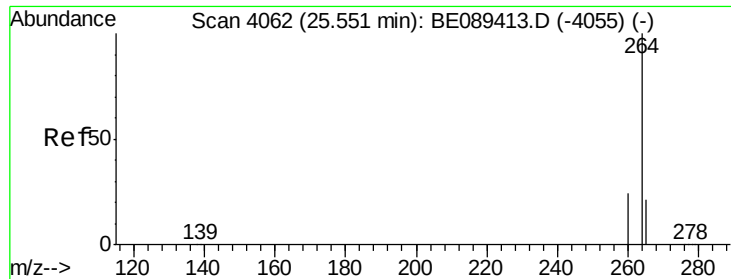


Abundance Ion 276.00 (275.70 to 276.70): E

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: BE089421.D

Acq: 29 Jan 2015 19:44

Instrument :

BNA_E

ClientSampled :

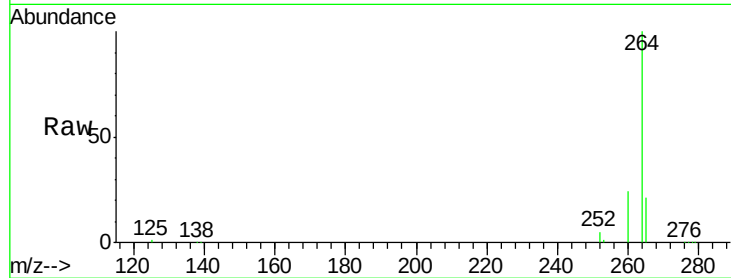
Tgt Ion:264 Resp: 564556

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

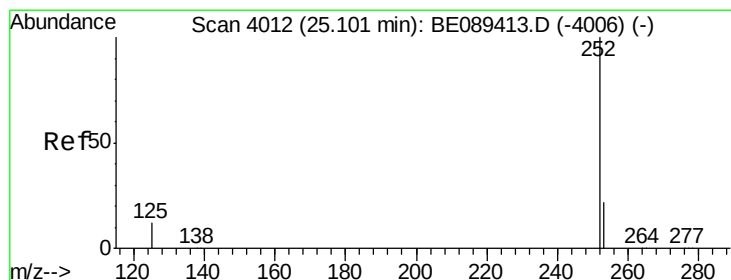
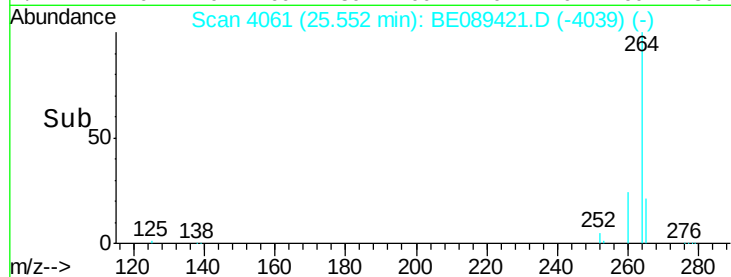
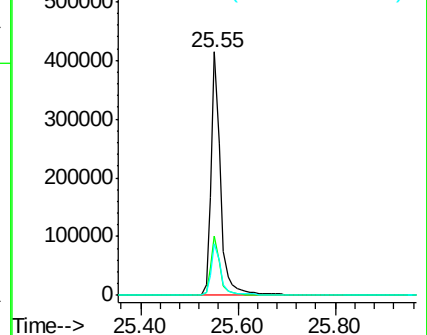
265 21.4 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#28

Benzo(b)fluoranthene

Concen: 19.22 ng

RT: 25.10 min Scan# 4011

Delta R.T. 0.00 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

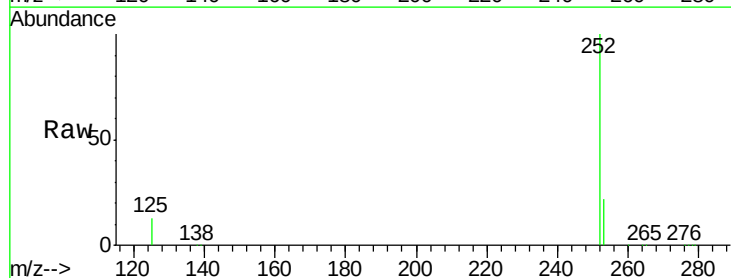
Tgt Ion:252 Resp: 1069329

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

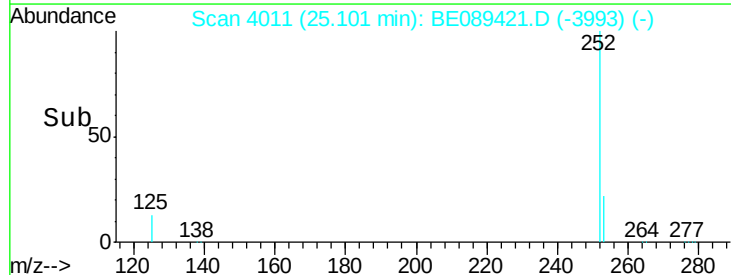
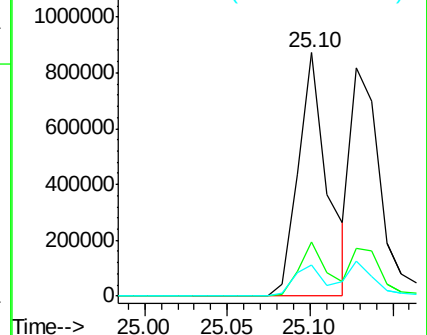
125 12.7 10.5 15.7

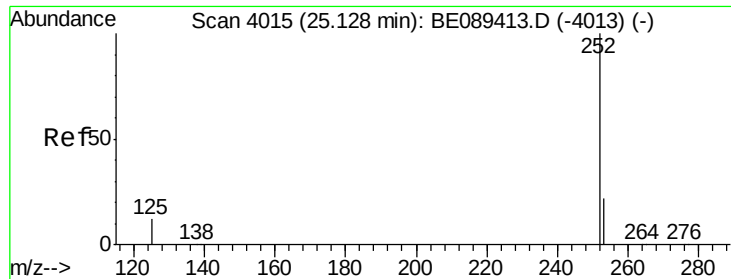


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

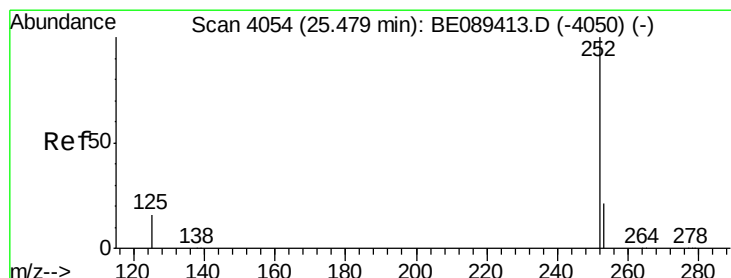
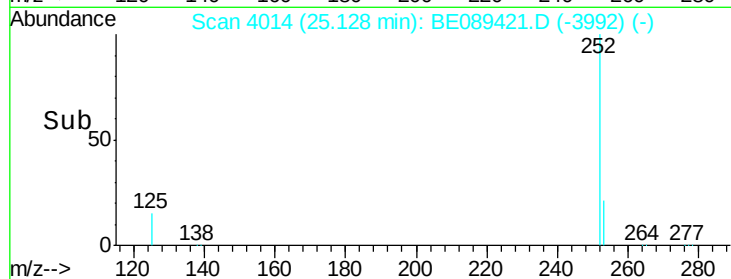
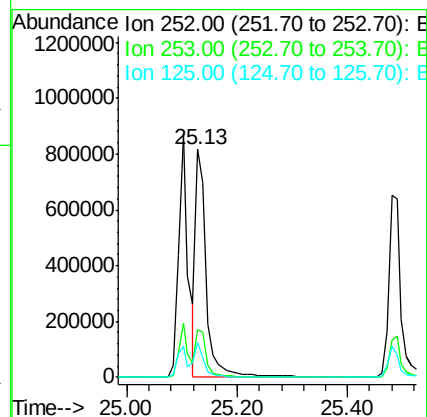
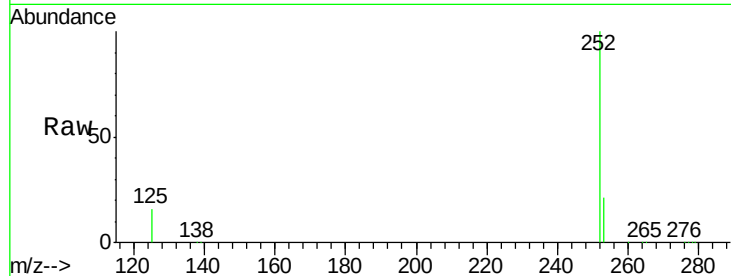




#29
Benzo(k)fluoranthene
Concen: 7.28 ng
RT: 25.13 min Scan# 4014
Delta R.T. 0.00 min
Lab File: BE089421.D
Acq: 29 Jan 2015 19:44

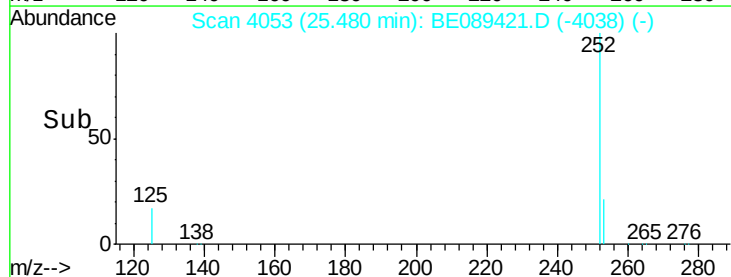
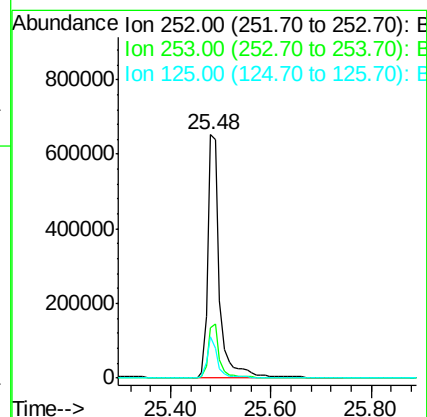
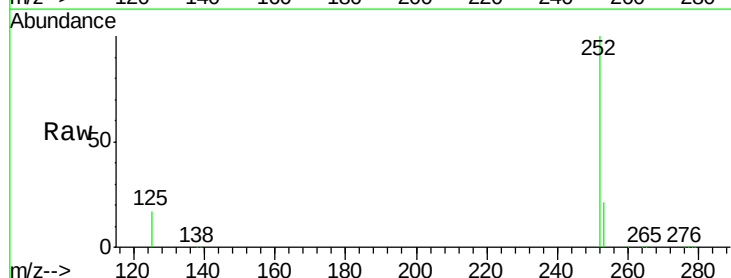
Instrument :
BNA_E
ClientSampled :

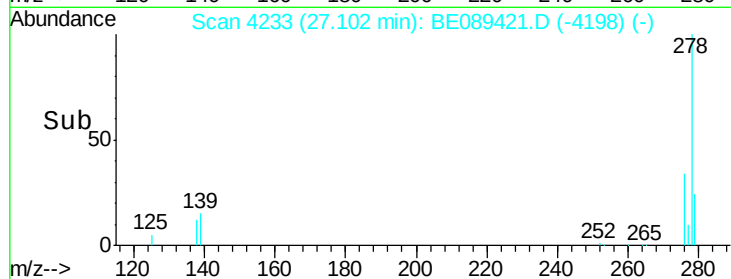
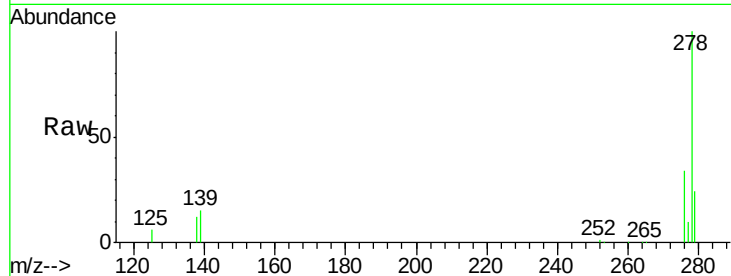
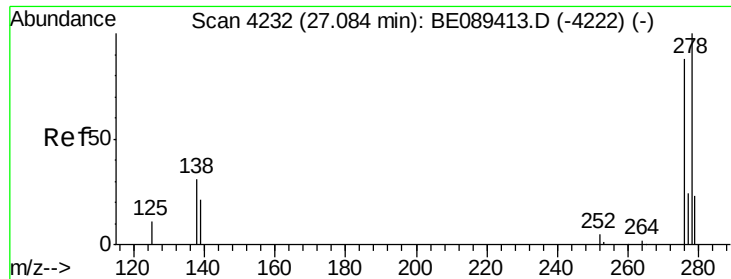
Tgt Ion:252 Resp: 1069736
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 15.6 11.0 16.6



#30
Benzo(a)pyrene
Concen: 15.18 ng
RT: 25.48 min Scan# 4053
Delta R.T. 0.00 min
Lab File: BE089421.D
Acq: 29 Jan 2015 19:44

Tgt Ion:252 Resp: 1045760
Ion Ratio Lower Upper
252 100
253 20.9 17.3 25.9
125 17.2 13.0 19.6





#31

Dibenzo(a,h)anthracene

Concen: 16.39 ng

RT: 27.10 min Scan# 4233

Delta R.T. 0.02 min

Lab File: BE089421.D

Acq: 29 Jan 2015 19:44

Instrument :

BNA_E

ClientSampleId :

Tgt Ion: 278 Resp: 1125396

Ion Ratio Lower Upper

278 100

139 15.1 17.2 25.8#

279 24.2 19.2 28.8

