

Data Path : Z:\HPCHEM1\BNA_E\Data\BE012915\
 Data File : BE089423.D
 Acq On : 29 Jan 2015 21:02
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 30 07:27:24 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

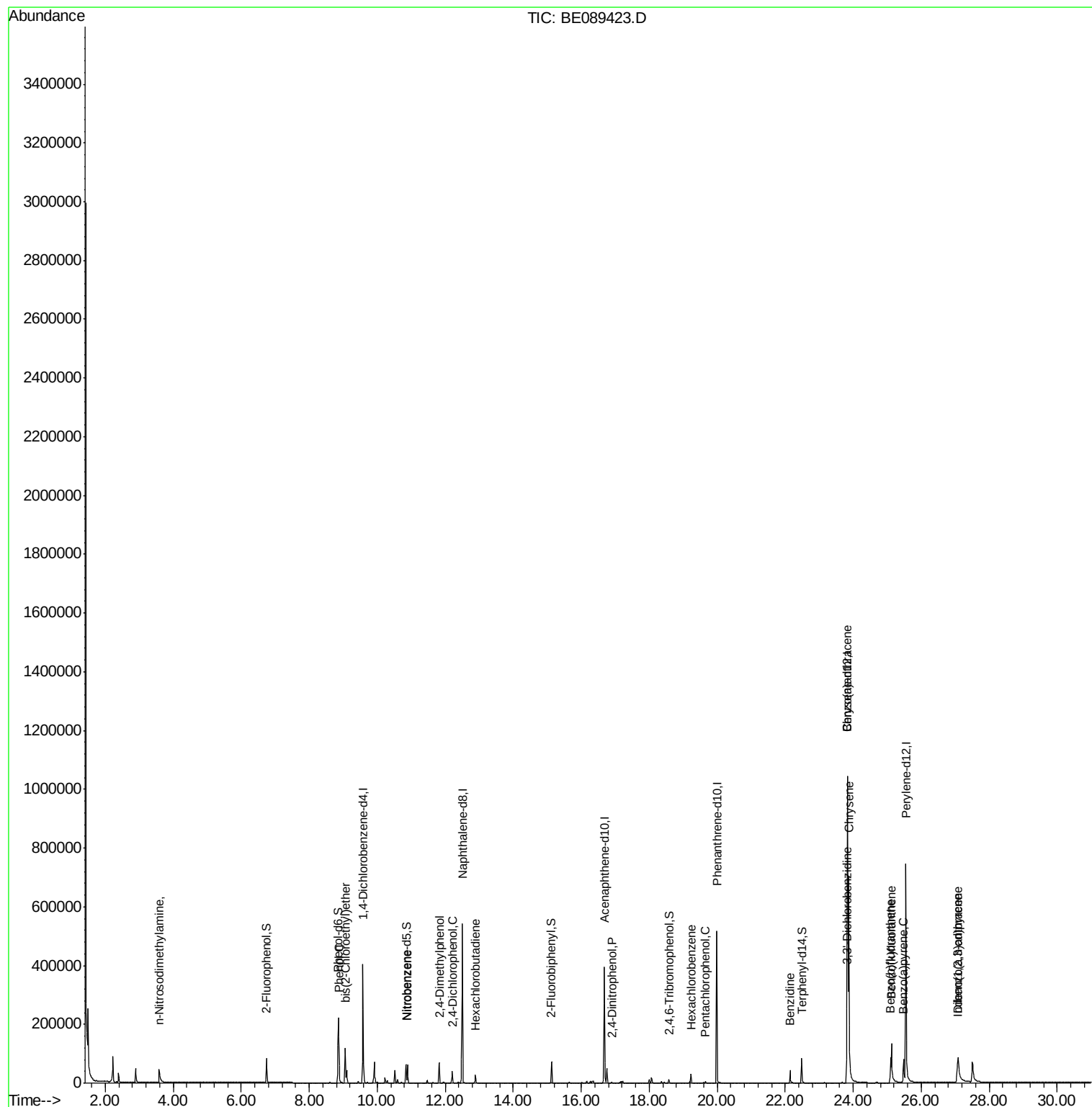
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	165772	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	616047	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	245613	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	504580	5.00	ng	0.00
20) Chrysene-d12	23.84	240	665818	5.00	ng	0.00
27) Perylene-d12	25.55	264	706291	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	57817	0.93	ng	0.00
4) Phenol-d6	8.85	99	69559	0.94	ng	0.00
8) Nitrobenzene-d5	10.85	82	46750	0.93	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	6195	0.91	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	64633	0.94	ng	0.00
22) Terphenyl-d14	22.48	244	82902	1.08	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.58	42	33004	1.02	ng	83
5) Phenol	8.88	94	75746	0.93	ng	93
6) bis(2-Chloroethyl)ether	9.06	93	55868	0.93	ng	# 99
9) Nitrobenzene	10.89	77	54409	0.95	ng	99
10) 2,4-Dimethylphenol	11.83	122	38505	0.95	ng	94
11) 2,4-Dichlorophenol	12.21	162	26911	0.95	ng	90
12) Hexachlorobutadiene	12.89	225	17711	0.93	ng	99
16) 2,4-Dinitrophenol	16.90	184	1451	0.81	ng	87
18) Hexachlorobenzene	19.23	284	23518	0.95	ng	94
19) Pentachlorophenol	19.65	266	3158	0.68	ng	95
21) Benzidine	22.14	184	46650	0.80	ng	99
23) Benzo(a)anthracene	23.83	228	558596	1.10	ng	100
24) 3,3'-Dichlorobenzidine	23.81	252	46615	1.17	ng	97
25) Chrysene	23.87	228	639211	0.92	ng	97
26) Indeno(1,2,3-cd)pyrene	27.07	276	152142	1.27	ng	# 100
28) Benzo(b)fluoranthene	25.10	252	95457	1.37	ng	98
29) Benzo(k)fluoranthene	25.13	252	197621	1.07	ng	99
30) Benzo(a)pyrene	25.48	252	106620	1.24	ng	99
31) Dibenzo(a,h)anthracene	27.09	278	119561	1.39	ng	96

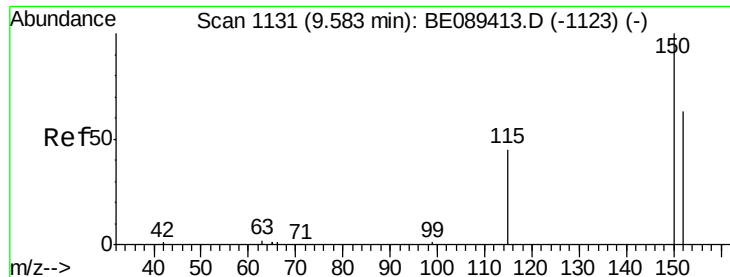
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

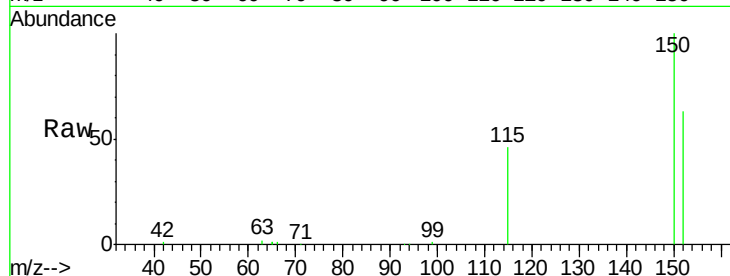
Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

ClientSampled :



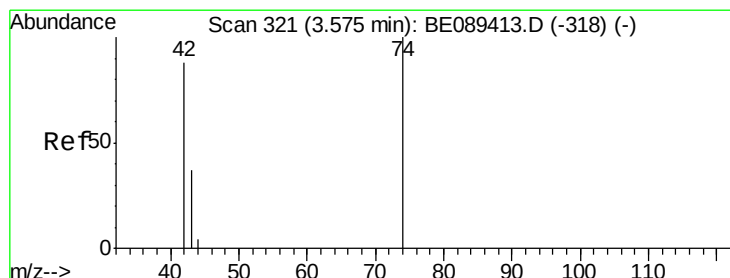
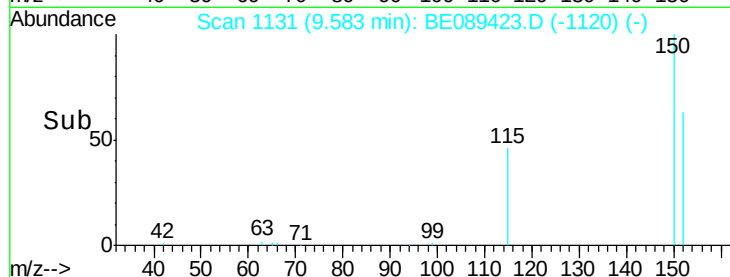
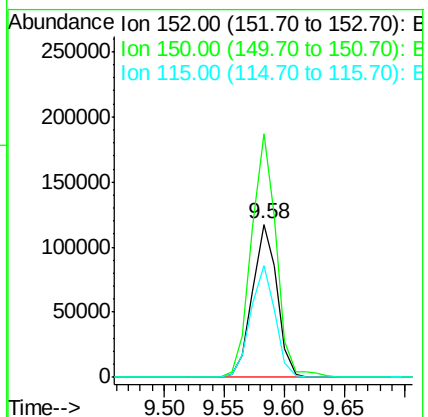
Tgt Ion: 152 Resp: 165772

Ion Ratio Lower Upper

152 100

150 159.3 126.1 189.1

115 73.1 57.1 85.7



#2

n-Nitrosodimethylamine

Concen: 1.02 ng

RT: 3.58 min Scan# 322

Delta R.T. 0.01 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

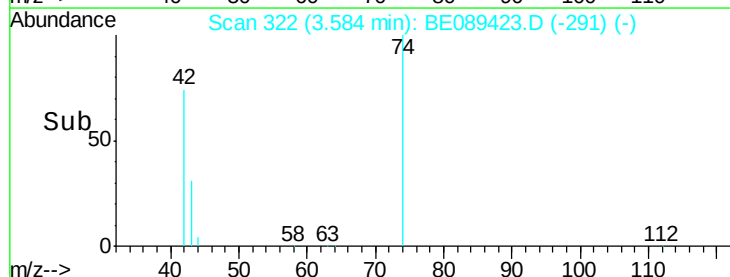
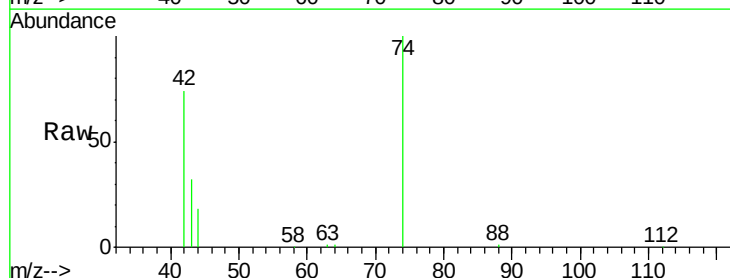
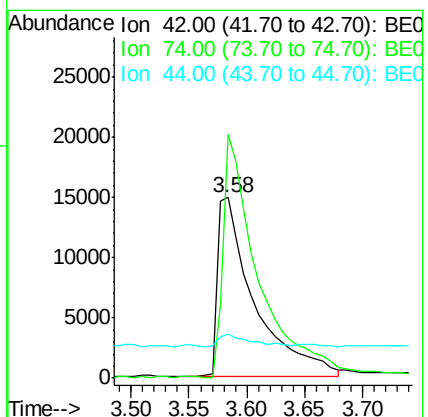
Tgt Ion: 42 Resp: 33004

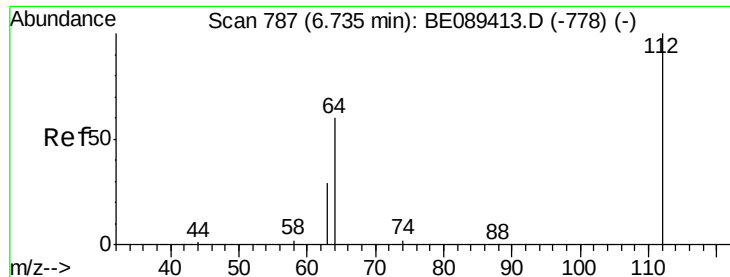
Ion Ratio Lower Upper

42 100

74 134.7 90.2 135.2

44 24.1 19.4 29.2

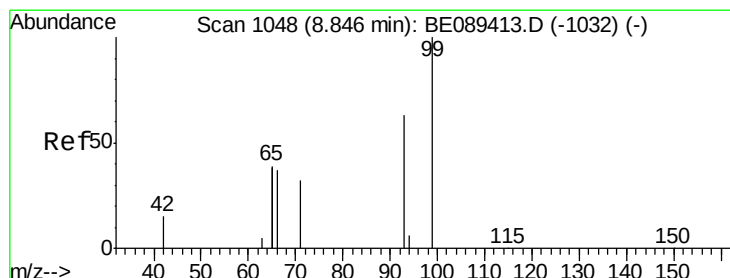
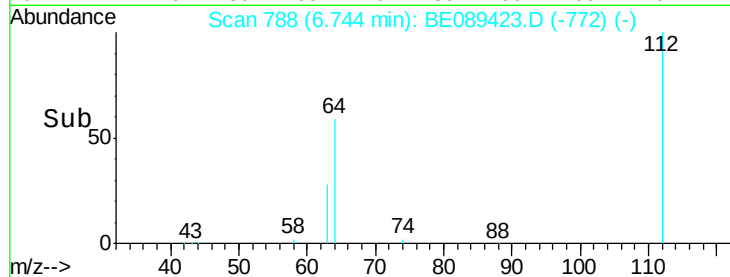
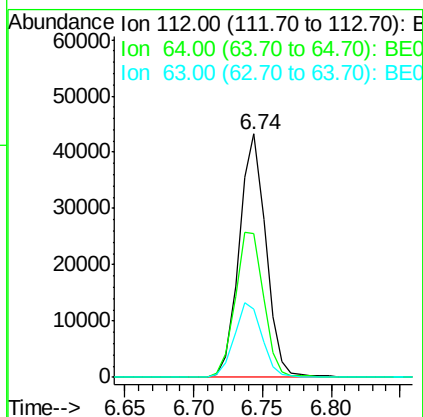
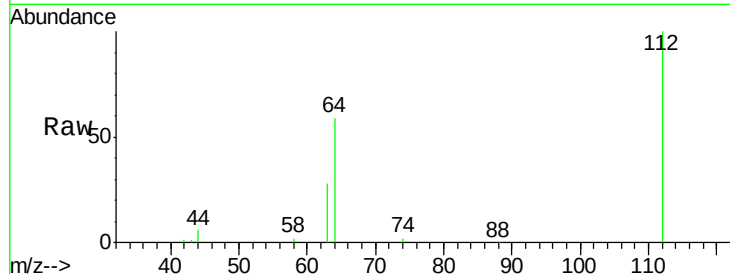




#3
 2-Fluorophenol
 Concen: 0.93 ng
 RT: 6.74 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

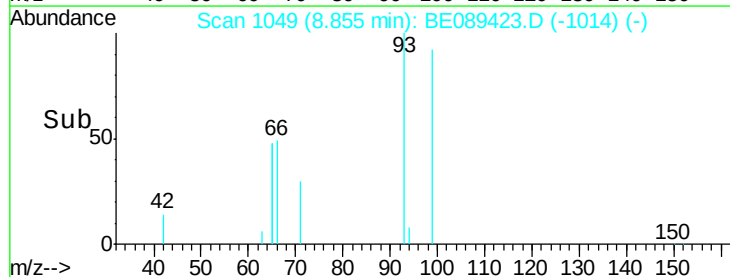
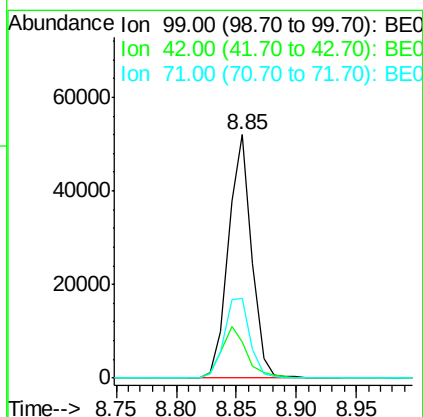
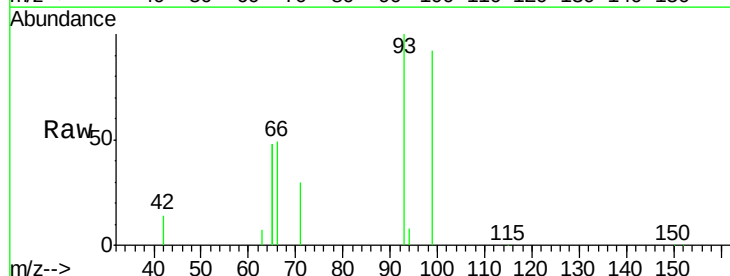
Instrument :
 BNA_E
 ClientSampled :

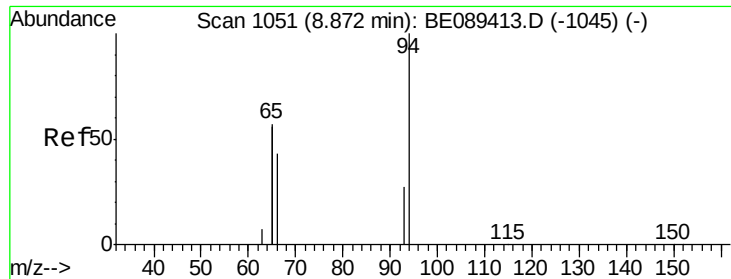
Tgt Ion: 112 Resp: 57817
 Ion Ratio Lower Upper
 112 100
 64 59.3 48.2 72.4
 63 28.0 23.5 35.3



#4
 Phenol-d6
 Concen: 0.94 ng
 RT: 8.85 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

Tgt Ion: 99 Resp: 69559
 Ion Ratio Lower Upper
 99 100
 42 15.1 11.9 17.9
 71 32.8 25.8 38.6





#5

Phenol

Concen: 0.93 ng

RT: 8.88 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

ClientSampleId :

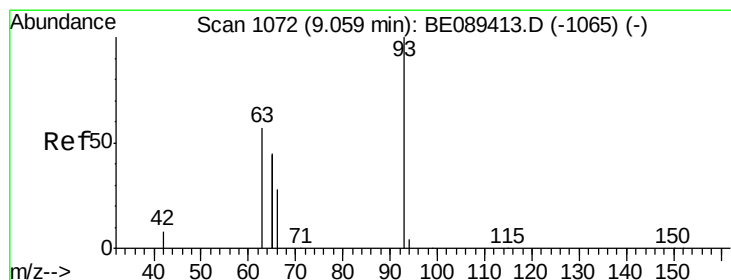
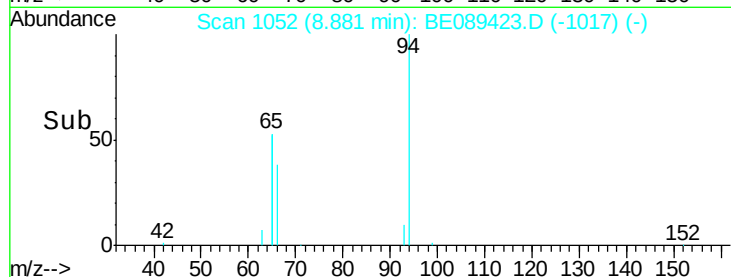
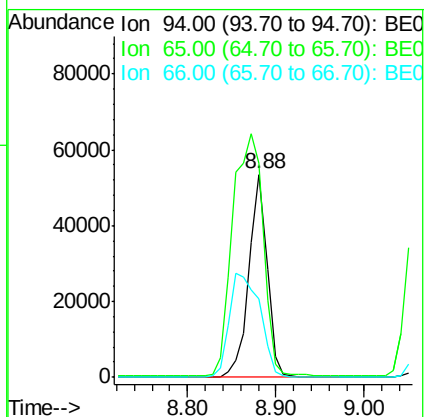
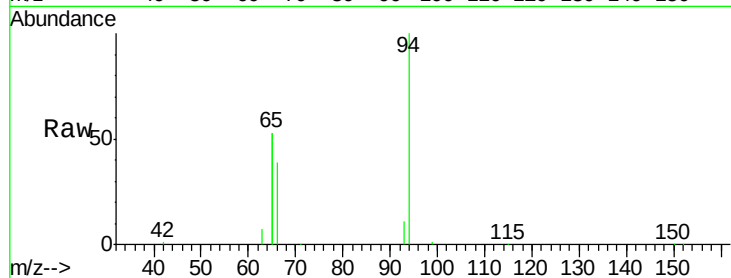
Tgt Ion: 94 Resp: 75746

Ion Ratio Lower Upper

94 100

65 105.6 93.3 133.3

66 38.6 23.6 63.6



#6

bis(2-Chloroethyl)ether

Concen: 0.93 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

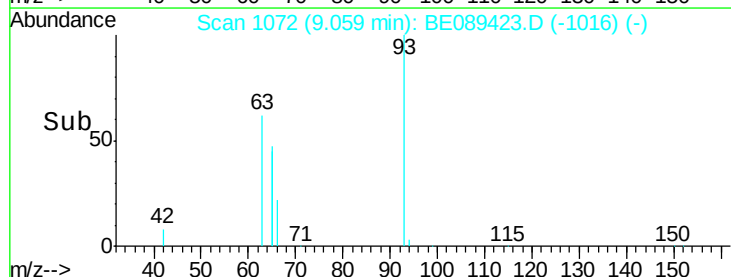
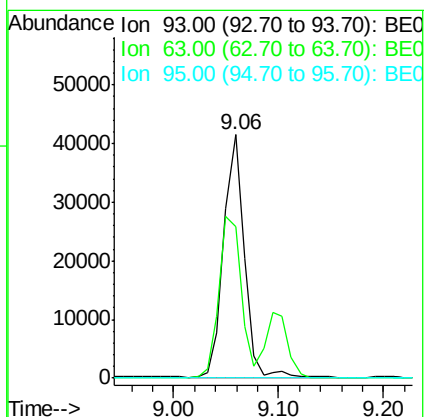
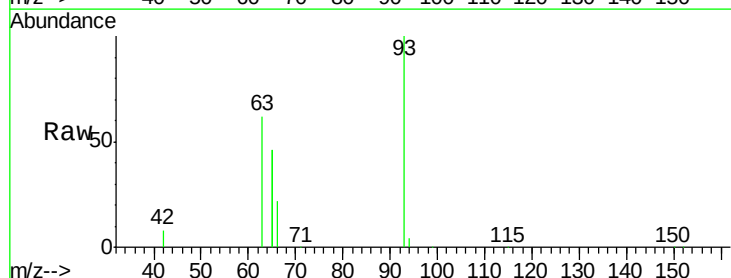
Tgt Ion: 93 Resp: 55868

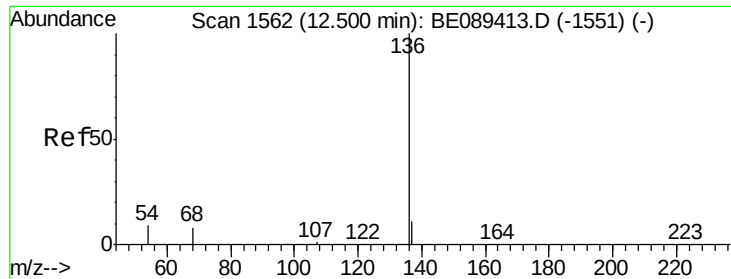
Ion Ratio Lower Upper

93 100

63 72.5 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: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

ClientSampled :

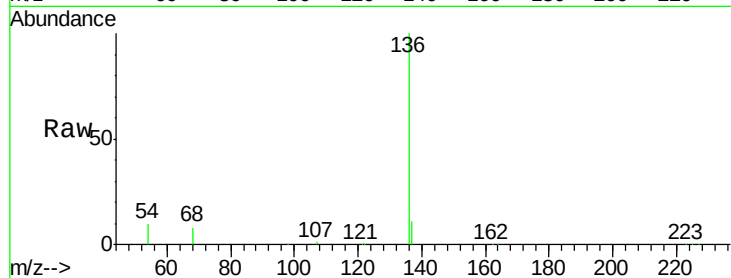
Tgt Ion: 136 Resp: 616047

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

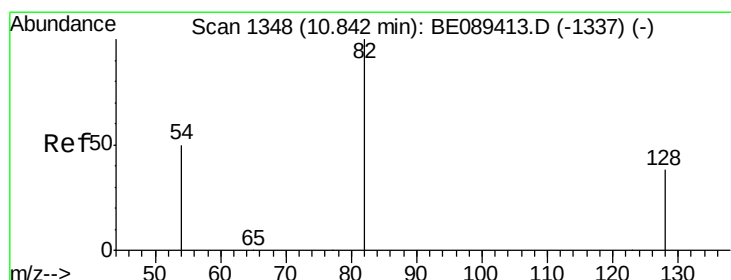
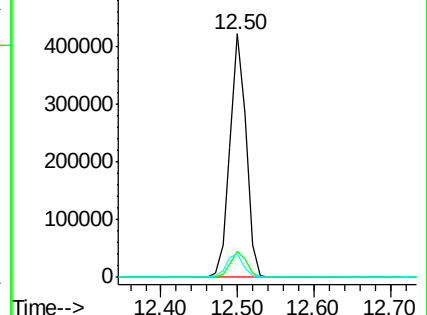
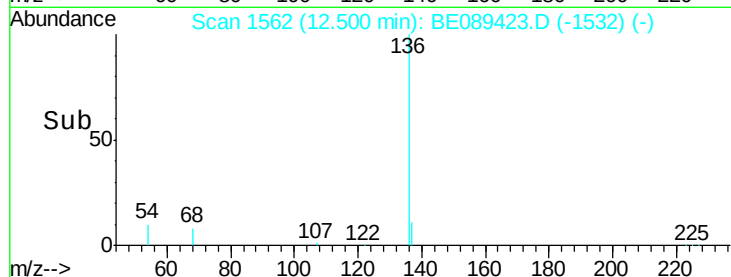
54 9.6 7.5 11.3



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: 0.93 ng

RT: 10.85 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

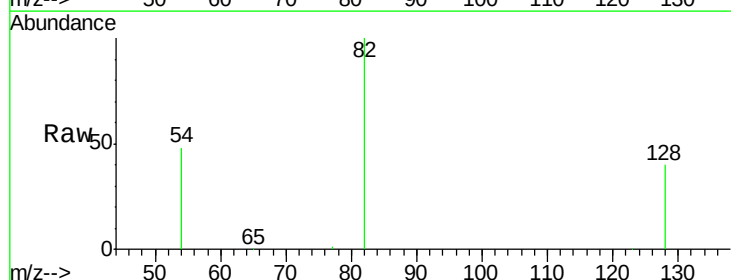
Tgt Ion: 82 Resp: 46750

Ion Ratio Lower Upper

82 100

128 40.3 31.0 46.4

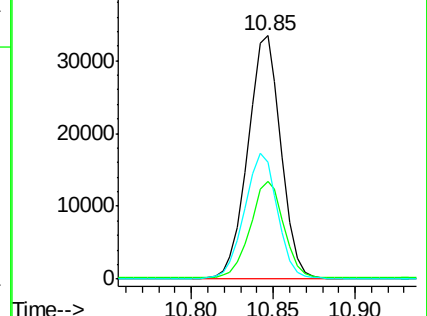
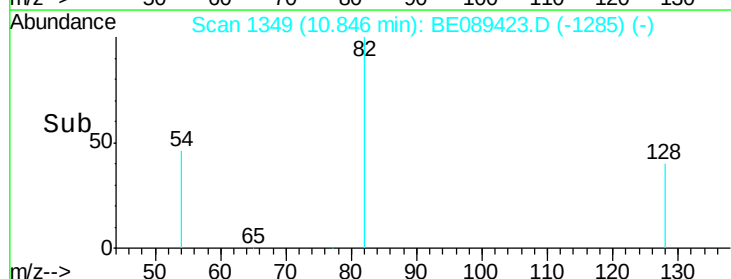
54 48.0 39.8 59.6

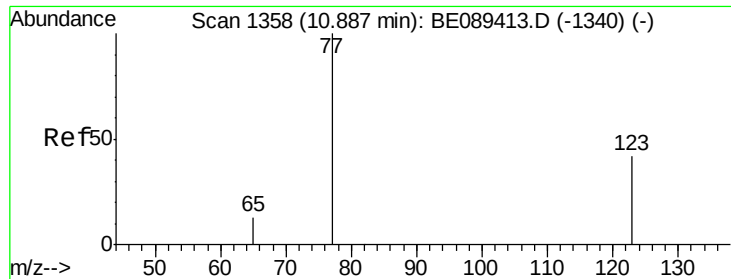


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.95 ng

RT: 10.89 min Scan# 1358

Delta R.T. -0.00 min

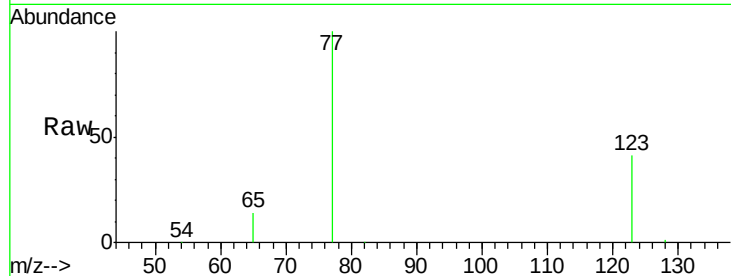
Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

ClientSampleId :



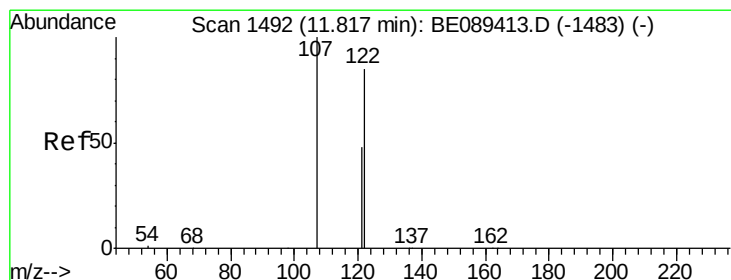
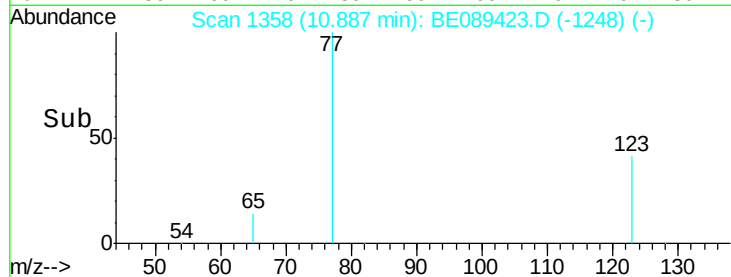
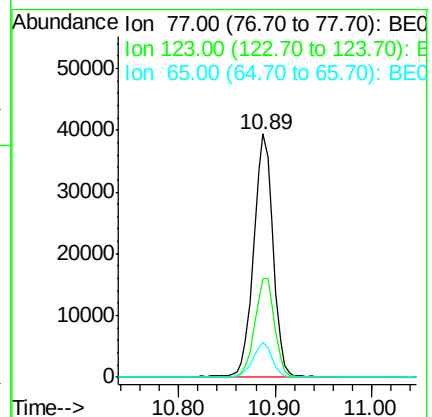
Tgt Ion: 77 Resp: 54409

Ion Ratio Lower Upper

77 100

123 41.4 32.8 49.2

65 13.6 11.0 16.6



#10

2,4-Dimethylphenol

Concen: 0.95 ng

RT: 11.83 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

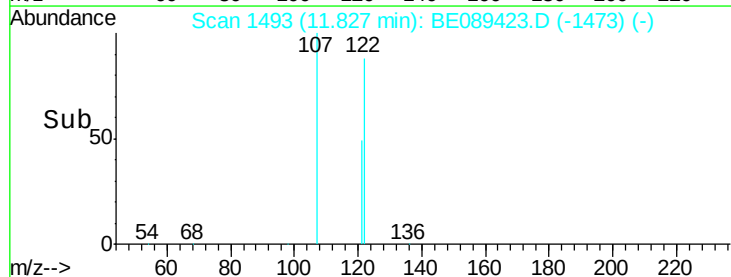
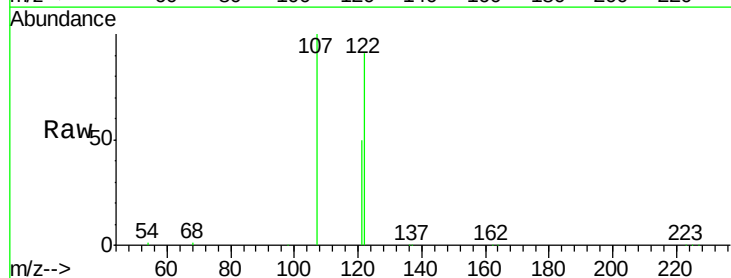
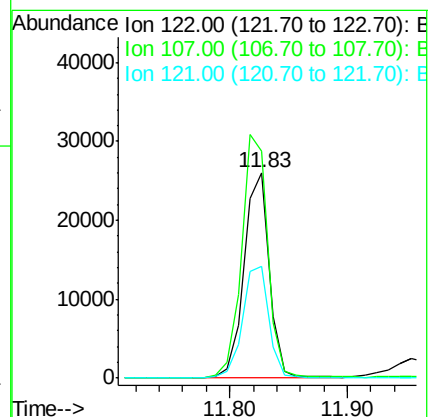
Tgt Ion: 122 Resp: 38505

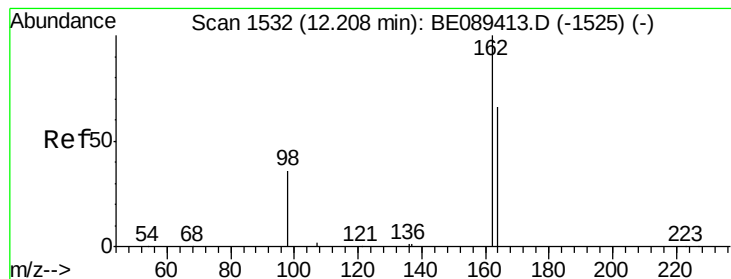
Ion Ratio Lower Upper

122 100

107 110.4 94.6 142.0

121 54.6 45.8 68.6

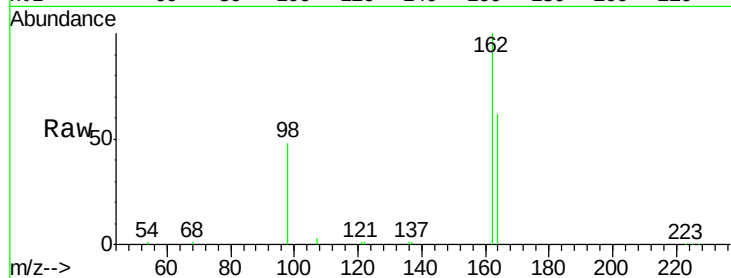




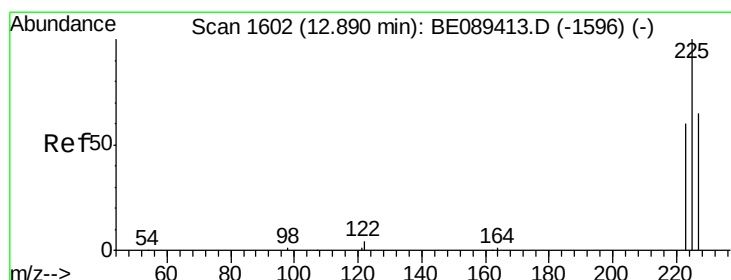
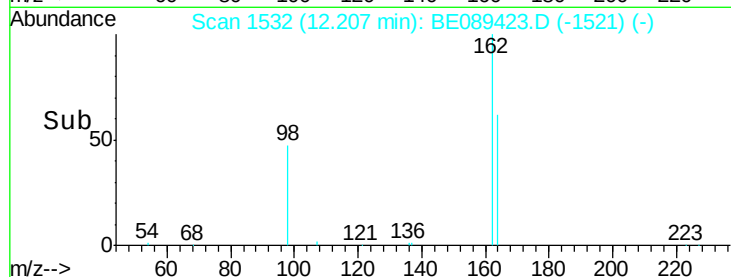
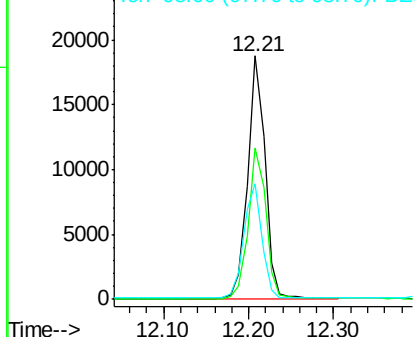
#11
 2,4-Dichlorophenol
 Concen: 0.95 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:162 Resp: 26911
 Ion Ratio Lower Upper
 162 100
 164 62.1 46.1 86.1
 98 47.6 16.2 56.2

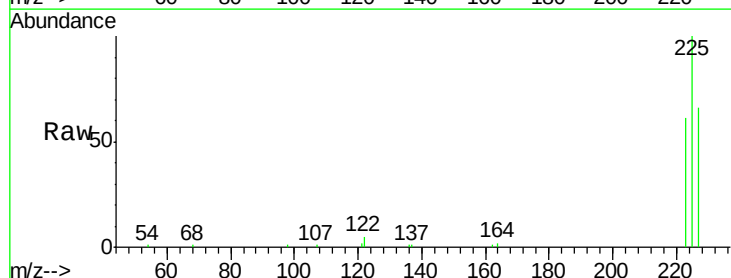


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BE0

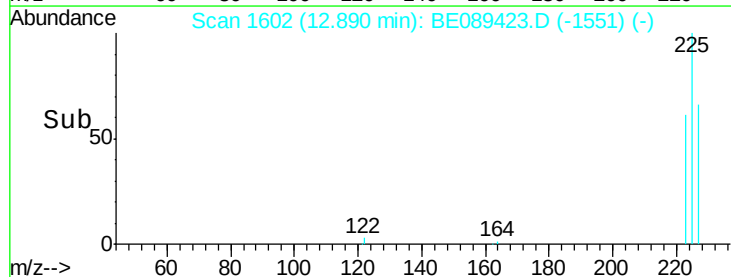
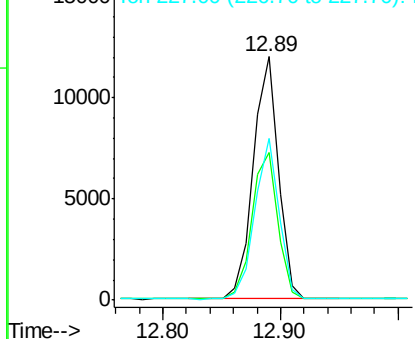


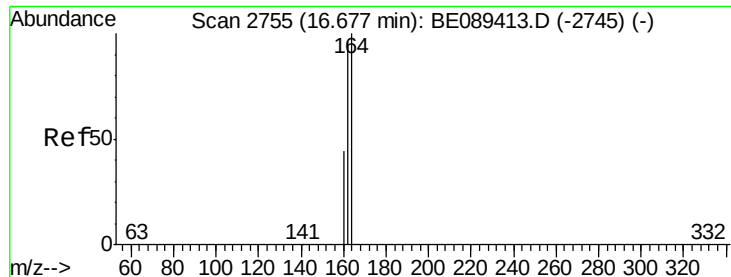
#12
 Hexachlorobutadiene
 Concen: 0.93 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

Tgt Ion:225 Resp: 17711
 Ion Ratio Lower Upper
 225 100
 223 62.4 50.4 75.6
 227 63.8 50.2 75.2



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: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

ClientSampleId :

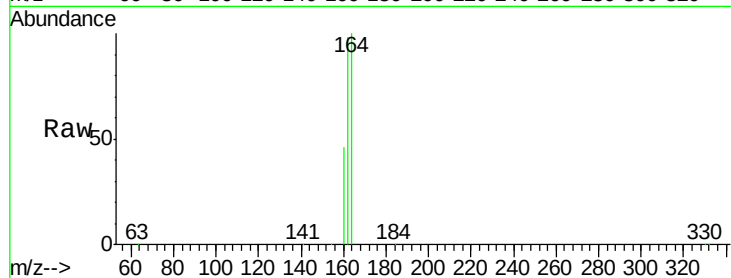
Tgt Ion:164 Resp: 245613

Ion Ratio Lower Upper

164 100

162 98.0 77.0 115.6

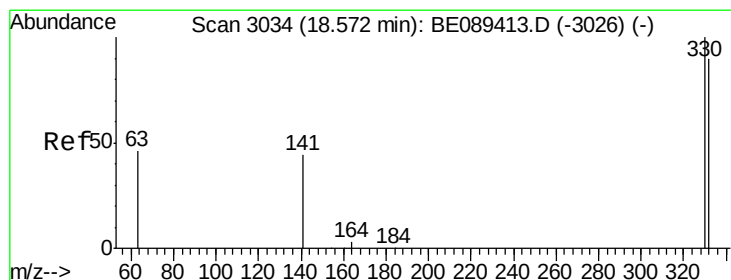
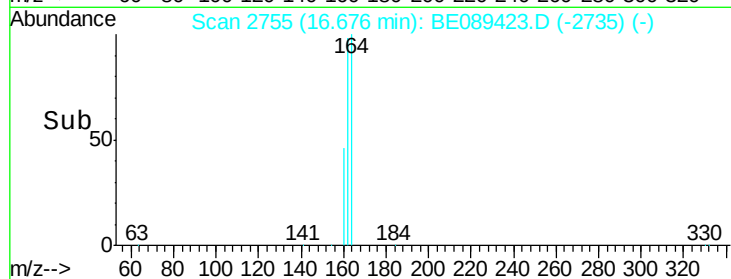
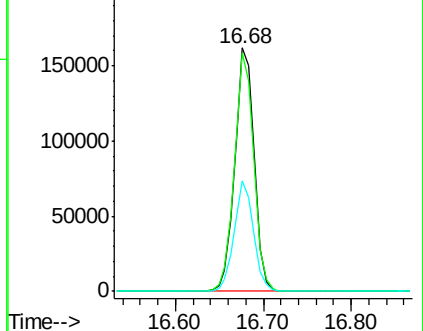
160 45.6 35.0 52.4



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: 0.91 ng

RT: 18.58 min Scan# 3035

Delta R.T. 0.01 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

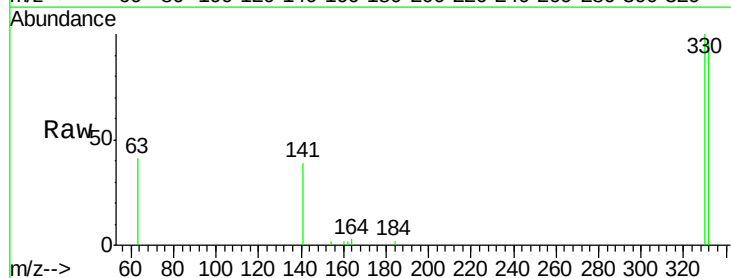
Tgt Ion:330 Resp: 6195

Ion Ratio Lower Upper

330 100

332 95.5 76.0 114.0

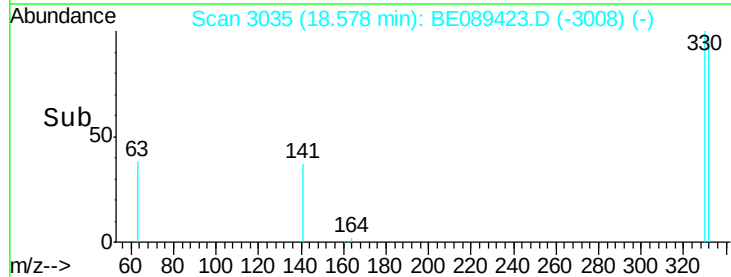
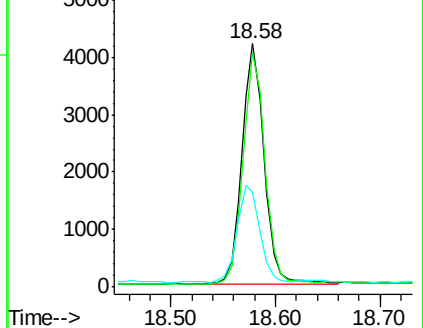
141 41.3 35.6 53.4

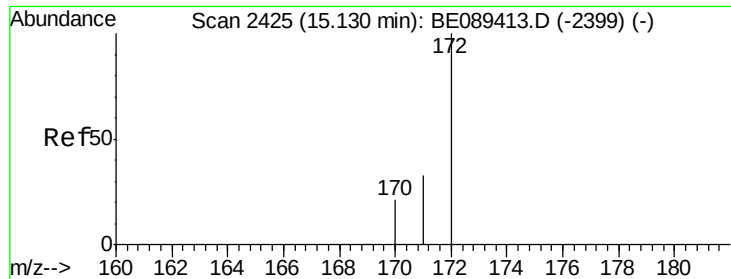


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

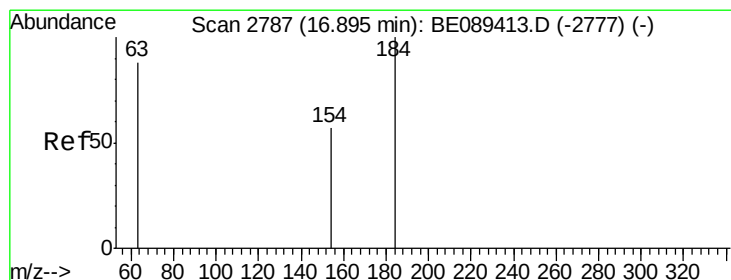
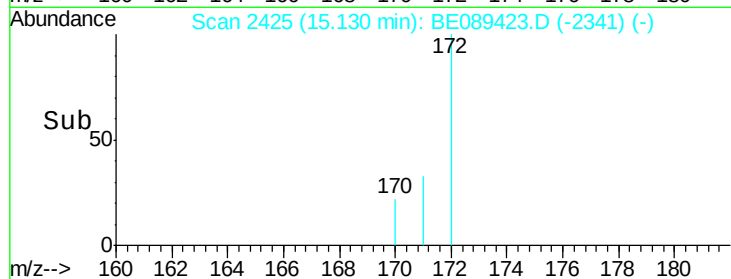
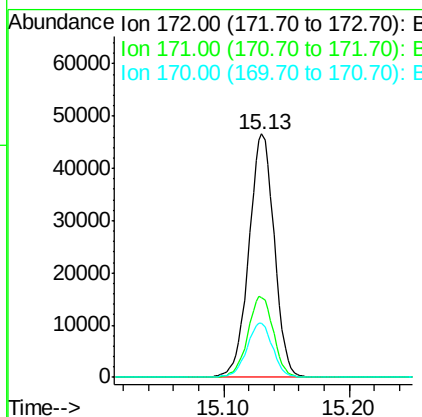
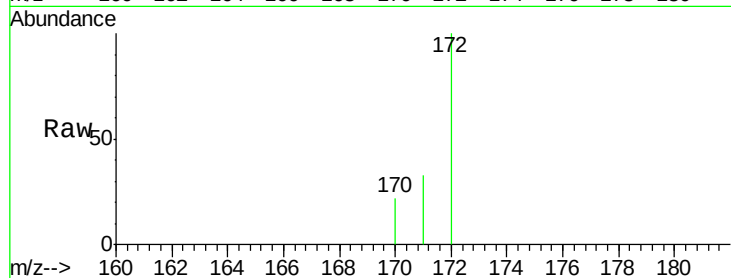




#15
2-Fluorobiphenyl
Concen: 0.94 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089423.D
Acq: 29 Jan 2015 21:02

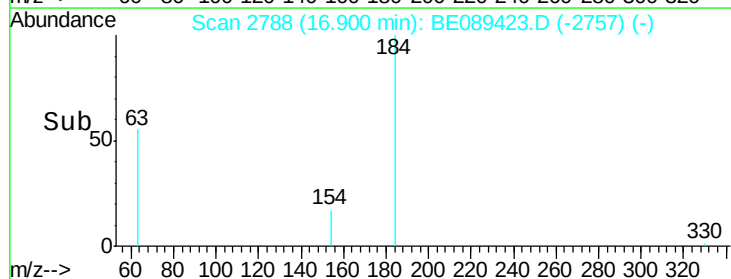
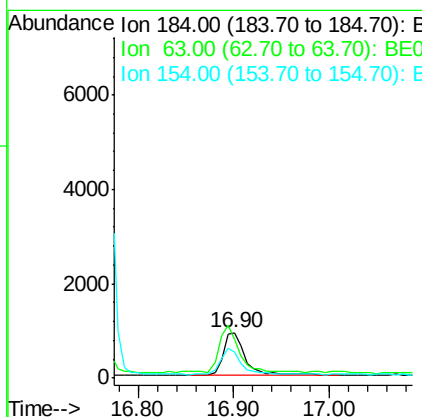
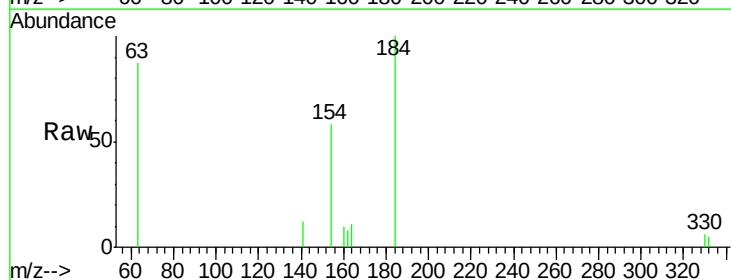
Instrument :
BNA_E
ClientSampleId :

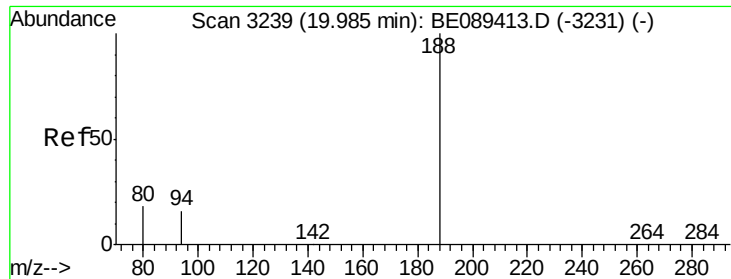
Tgt Ion:172 Resp: 64633
Ion Ratio Lower Upper
172 100
171 32.8 26.6 39.8
170 22.4 17.1 25.7



#16
2,4-Dinitrophenol
Concen: 0.81 ng
RT: 16.90 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BE089423.D
Acq: 29 Jan 2015 21:02

Tgt Ion:184 Resp: 1451
Ion Ratio Lower Upper
184 100
63 87.0 79.0 118.4
154 57.7 55.8 83.6

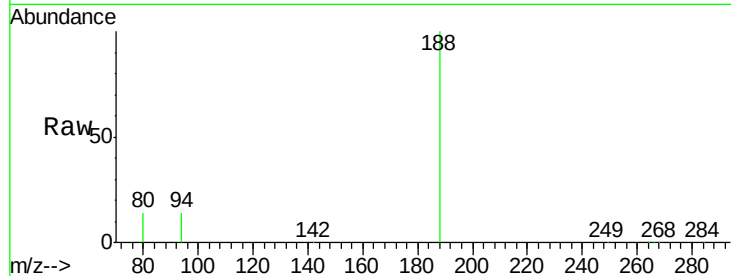




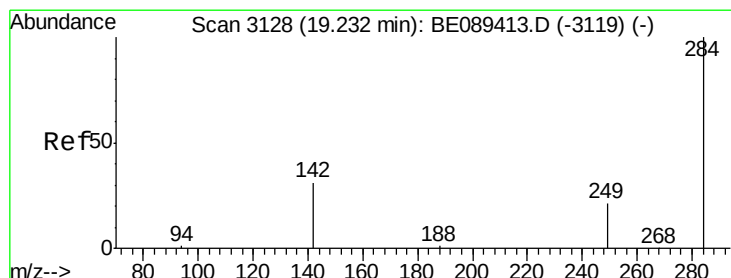
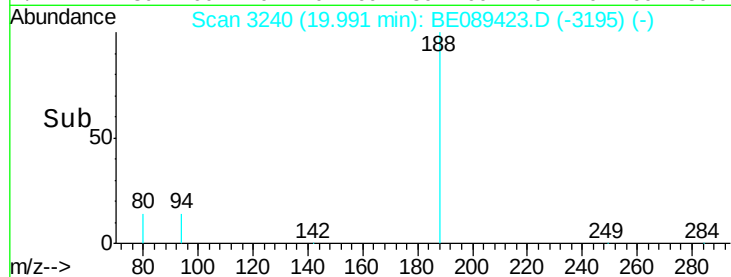
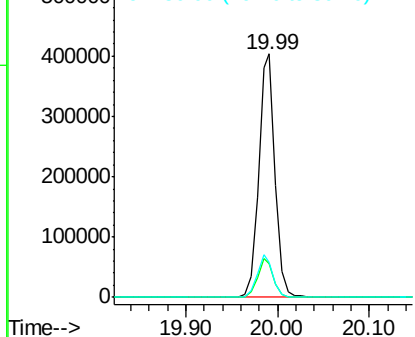
#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3240
 Delta R.T. 0.01 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:188 Resp: 504580
 Ion Ratio Lower Upper
 188 100
 94 14.1 13.0 19.6
 80 14.2 14.2 21.4#

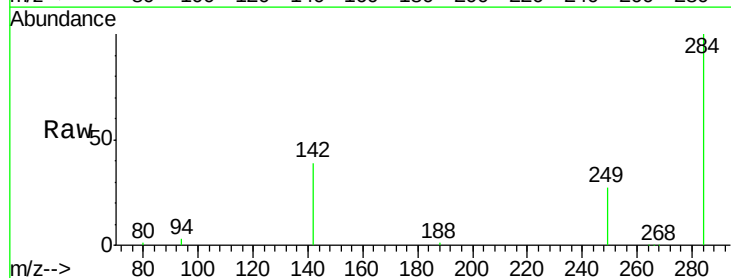


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BE0
 Ion 80.00 (79.70 to 80.70): BE0

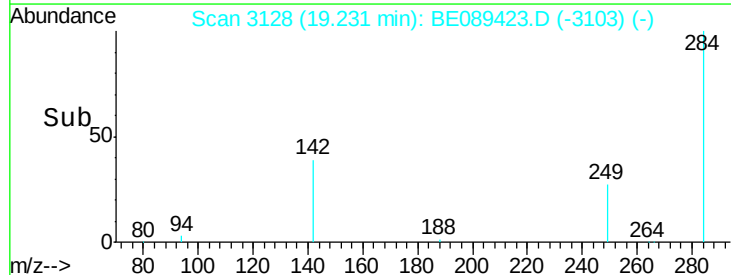
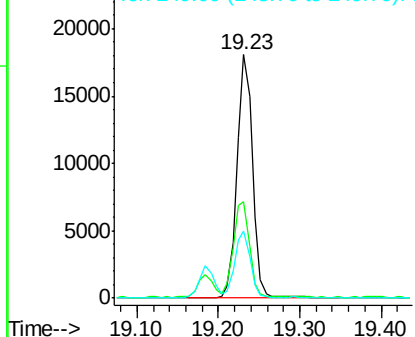


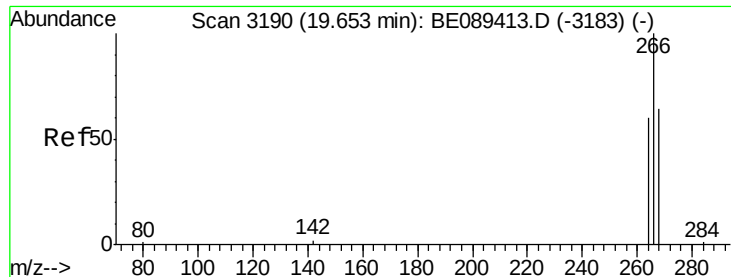
#18
 Hexachlorobenzene
 Concen: 0.95 ng
 RT: 19.23 min Scan# 3128
 Delta R.T. -0.00 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

Tgt Ion:284 Resp: 23518
 Ion Ratio Lower Upper
 284 100
 142 39.4 28.3 42.5
 249 27.3 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

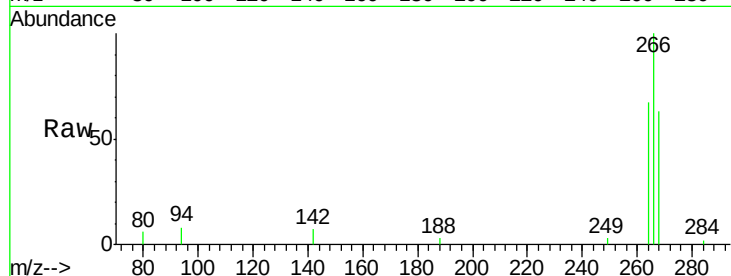




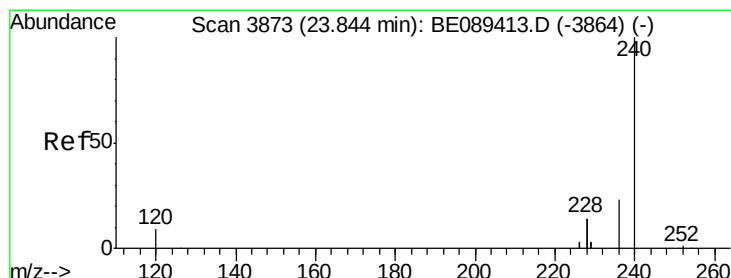
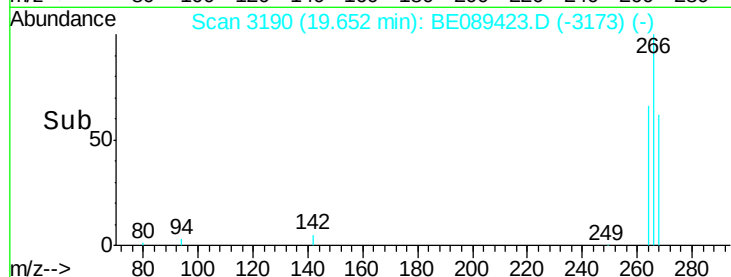
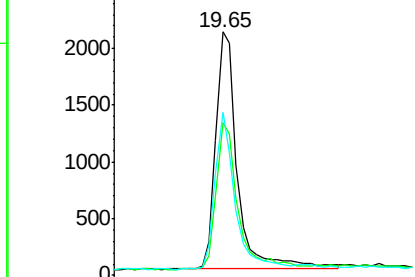
#19
 Pentachlorophenol
 Concen: 0.68 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. 0.00 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion: 266 Resp: 3158
 Ion Ratio Lower Upper
 266 100
 268 62.8 51.9 77.9
 264 66.8 48.5 72.7

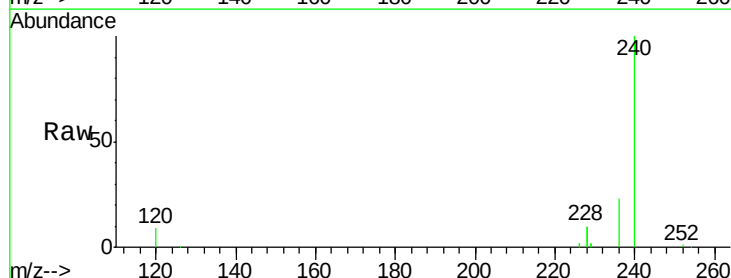


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

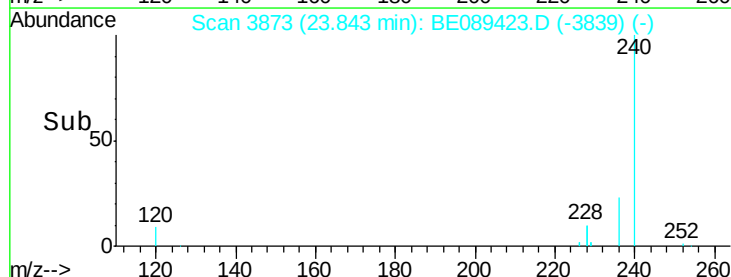
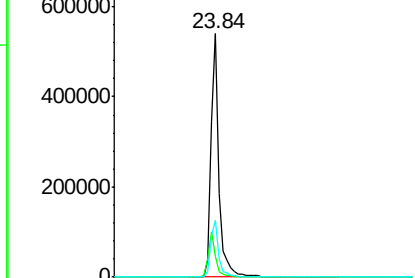


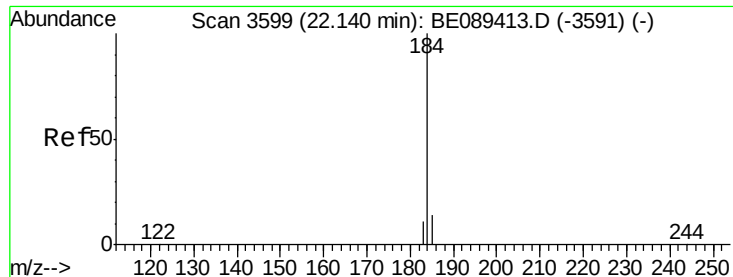
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3873
 Delta R.T. -0.00 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

Tgt Ion: 240 Resp: 665818
 Ion Ratio Lower Upper
 240 100
 120 8.8 6.9 10.3
 236 23.2 18.2 27.2



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: 0.80 ng

RT: 22.14 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

ClientSampleId :

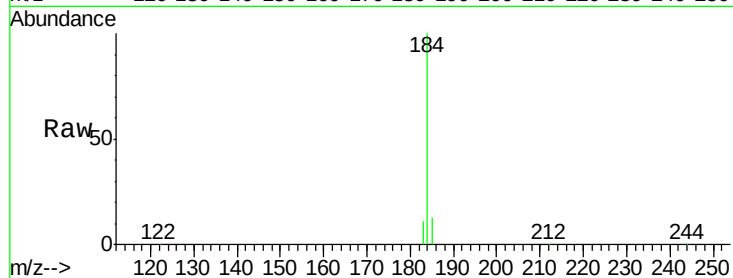
Tgt Ion:184 Resp: 46650

Ion Ratio Lower Upper

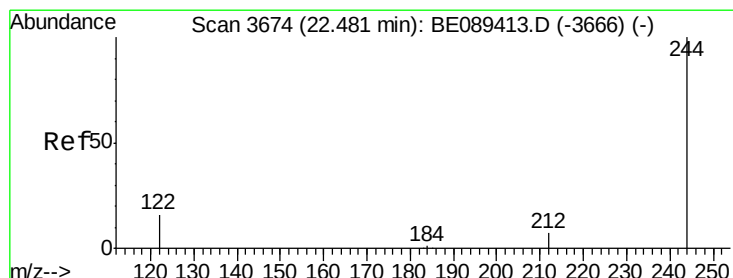
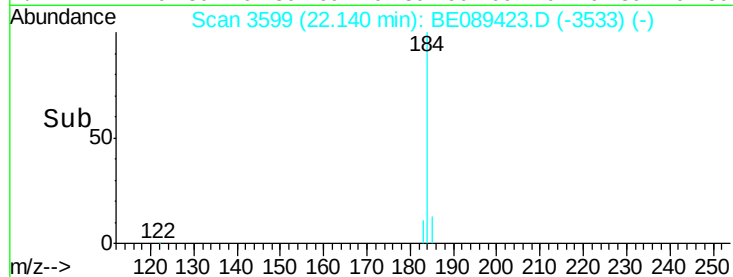
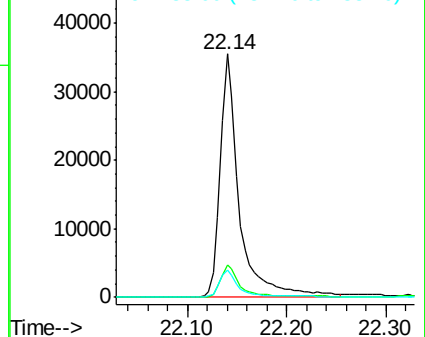
184 100

185 13.5 11.0 16.6

183 11.3 8.6 13.0



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: 1.08 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

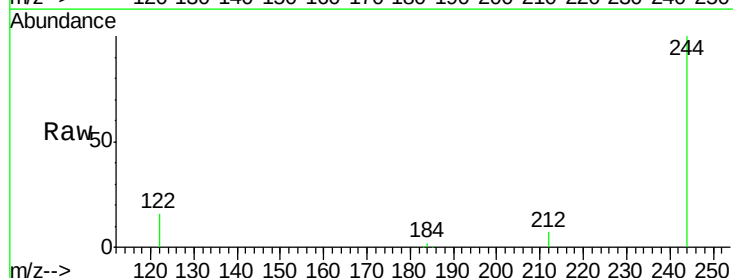
Tgt Ion:244 Resp: 82902

Ion Ratio Lower Upper

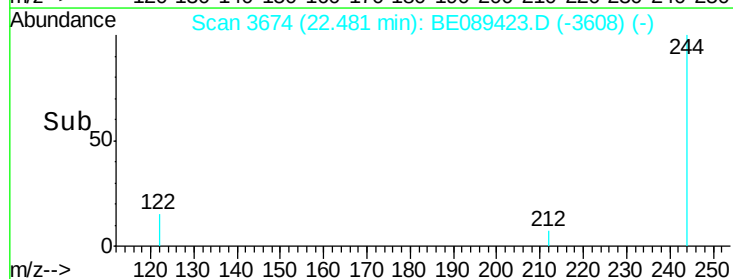
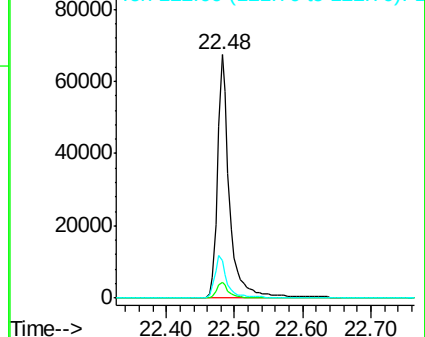
244 100

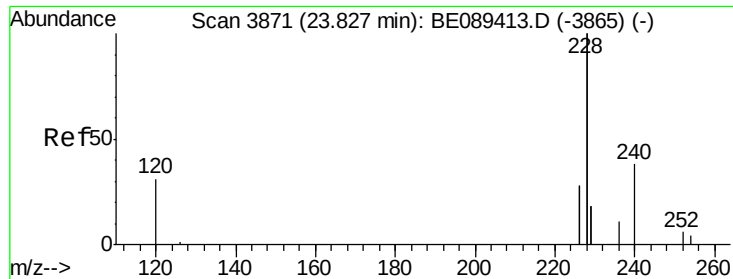
212 6.6 5.4 8.0

122 15.6 13.2 19.8



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

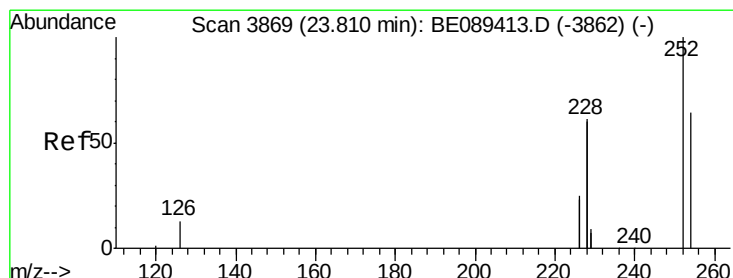
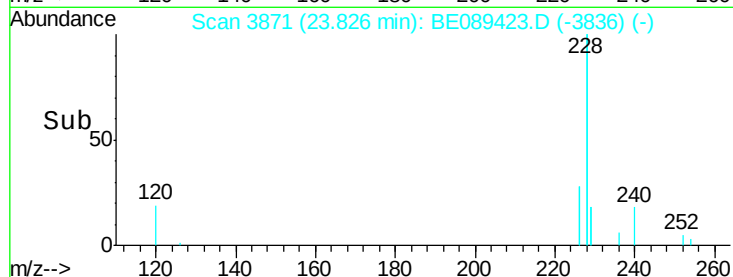
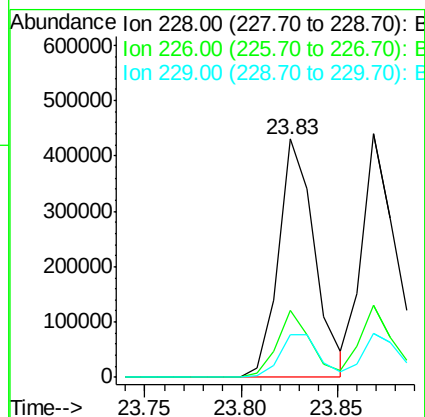
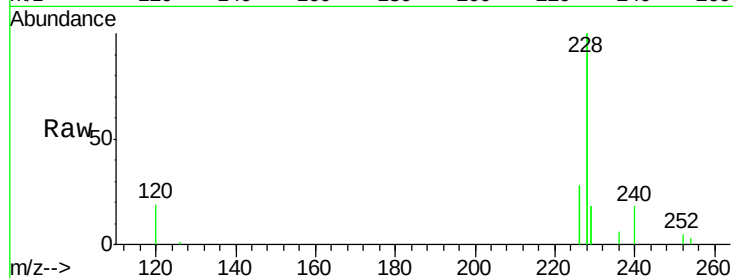




#23
Benzo(a)anthracene
Concen: 1.10 ng
RT: 23.83 min Scan# 3871
Delta R.T. -0.00 min
Lab File: BE089423.D
Acq: 29 Jan 2015 21:02

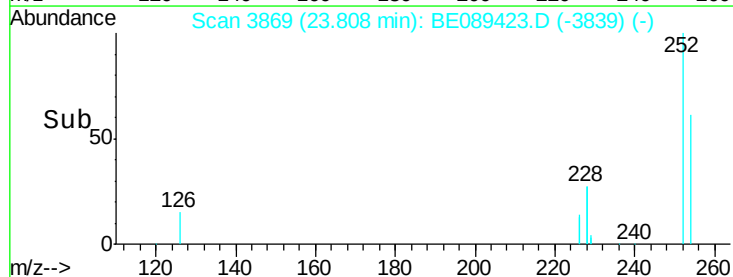
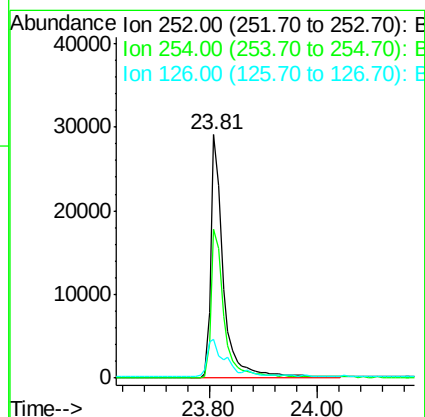
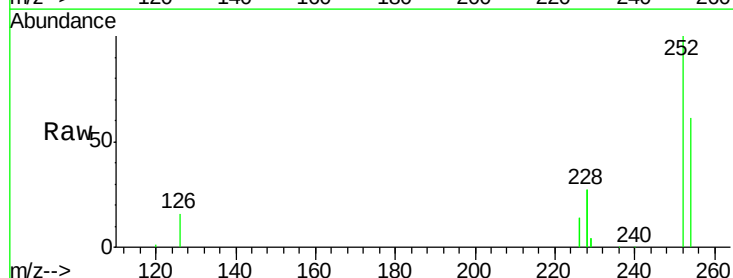
Instrument :
BNA_E
ClientSampled :

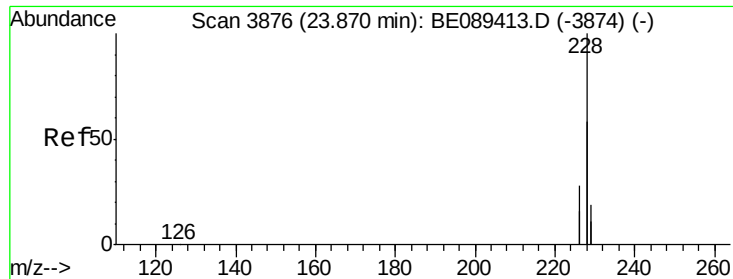
Tgt Ion: 228 Resp: 558596
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 17.9 14.5 21.7



#24
3,3'-Dichlorobenzidine
Concen: 1.17 ng
RT: 23.81 min Scan# 3869
Delta R.T. -0.00 min
Lab File: BE089423.D
Acq: 29 Jan 2015 21:02

Tgt Ion: 252 Resp: 46615
Ion Ratio Lower Upper
252 100
254 61.4 51.1 76.7
126 15.9 11.5 17.3





#25

Chrysene

Concen: 0.92 ng

RT: 23.87 min Scan# 3876

Delta R.T. -0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

ClientSampleId :

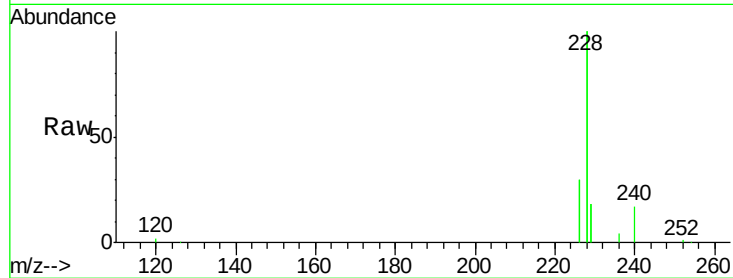
Tgt Ion:228 Resp: 639211

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

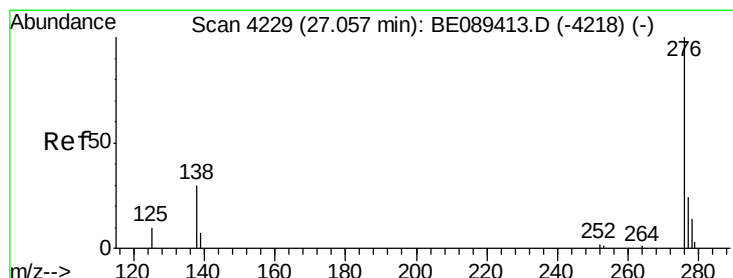
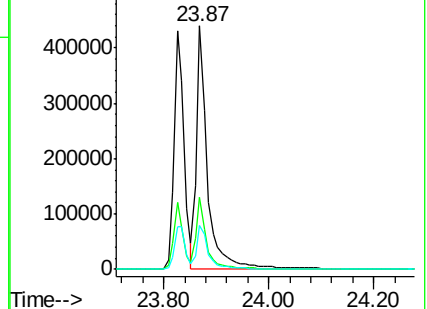
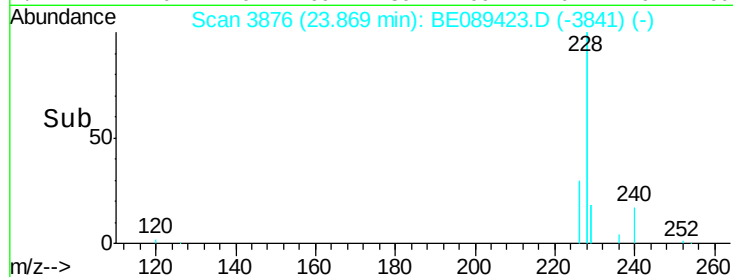
229 18.3 15.5 23.3



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: 1.27 ng

RT: 27.07 min Scan# 4230

Delta R.T. 0.01 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

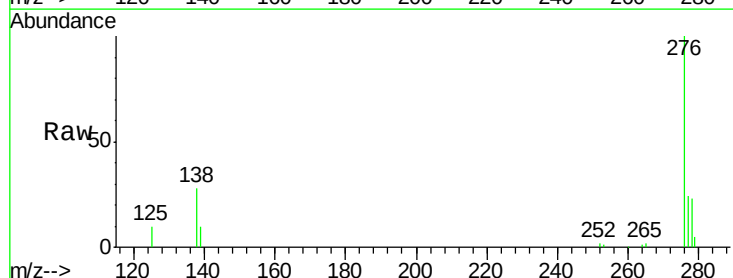
Tgt Ion:276 Resp: 152142

Ion Ratio Lower Upper

276 100

138 32.0 0.0 0.0#

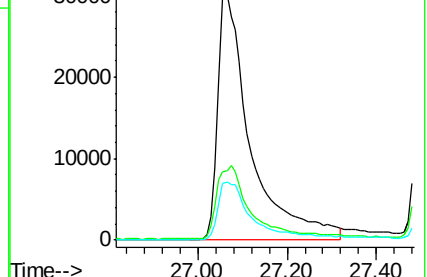
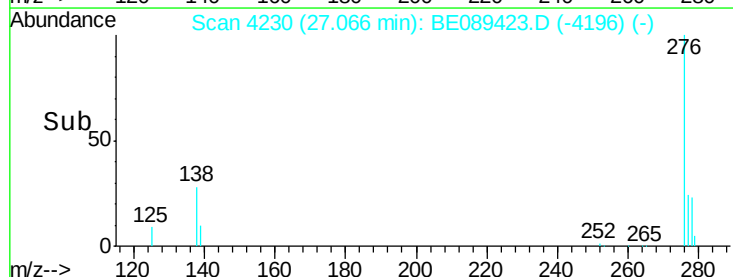
277 24.6 0.0 0.0#

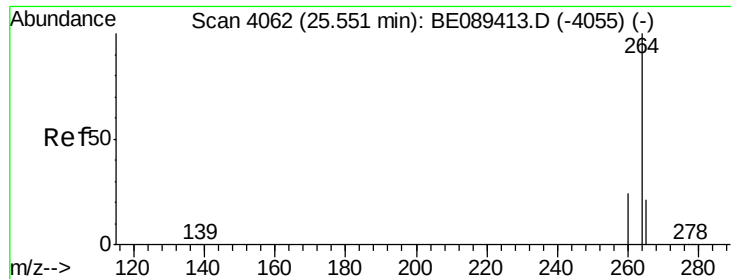


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

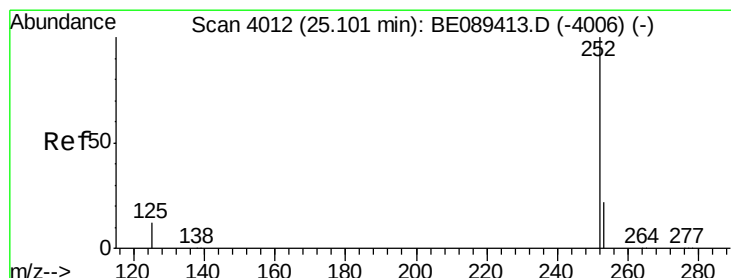
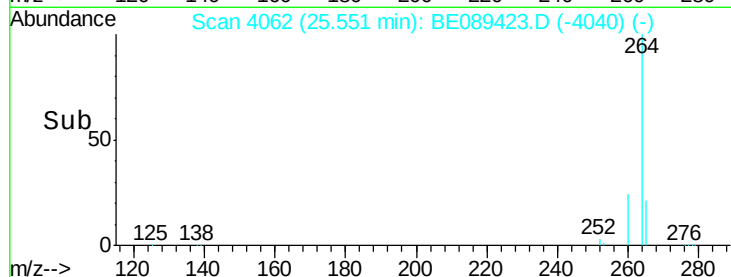
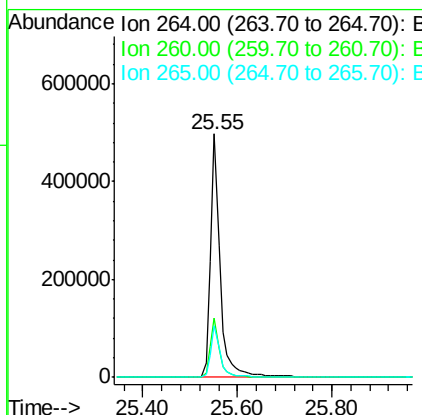
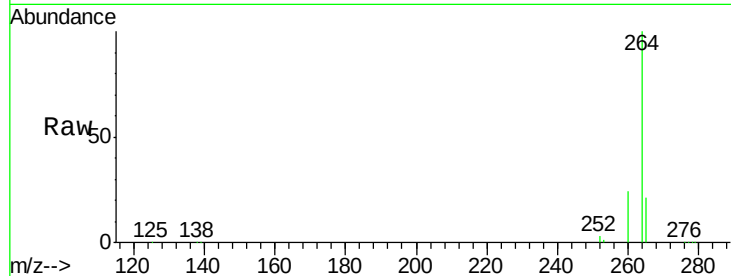




#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.55 min Scan# 4062
 Delta R.T. -0.00 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

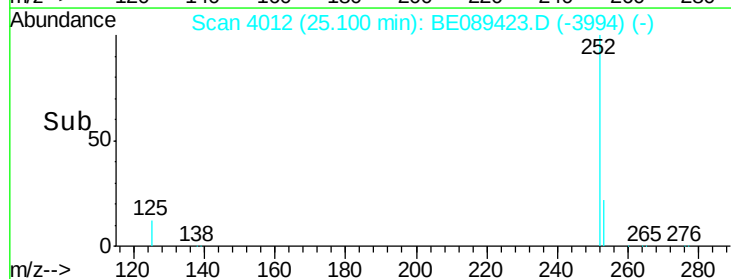
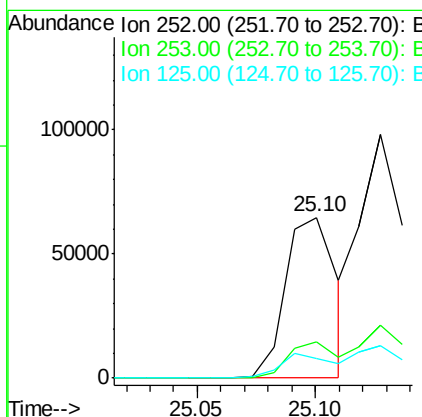
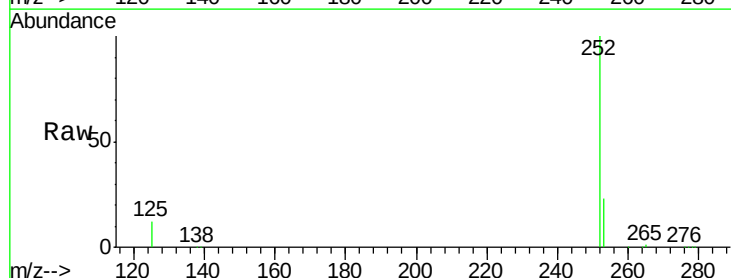
Instrument :
 BNA_E
 ClientSampleId :

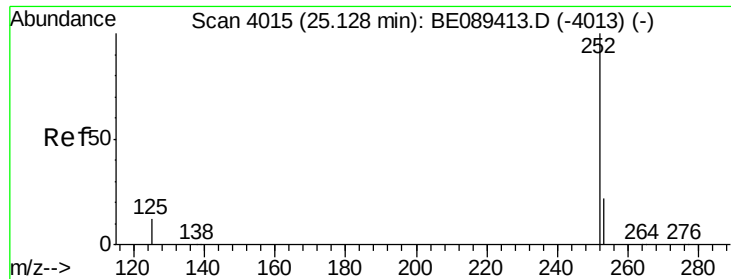
Tgt Ion: 264 Resp: 706291
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.4 29.0
 265 21.4 17.1 25.7



#28
 Benzo(b)fluoranthene
 Concen: 1.37 ng
 RT: 25.10 min Scan# 4012
 Delta R.T. 0.00 min
 Lab File: BE089423.D
 Acq: 29 Jan 2015 21:02

Tgt Ion: 252 Resp: 95457
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.6 26.4
 125 11.9 10.5 15.7





#29

Benzo(k)fluoranthene

Concen: 1.07 ng

RT: 25.13 min Scan# 4015

Delta R.T. 0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

ClientSampleId :

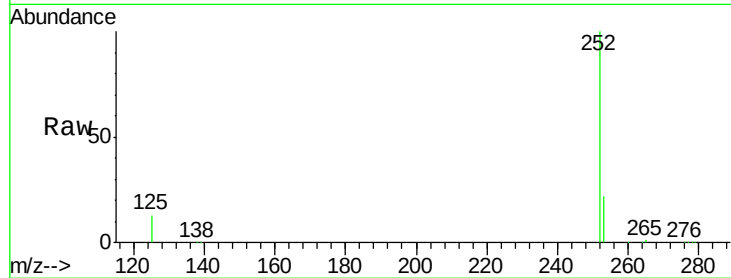
Tgt Ion:252 Resp: 197621

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

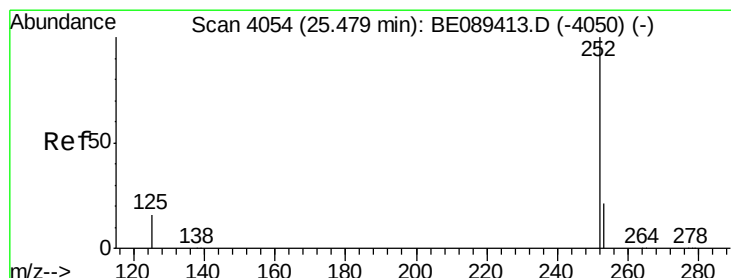
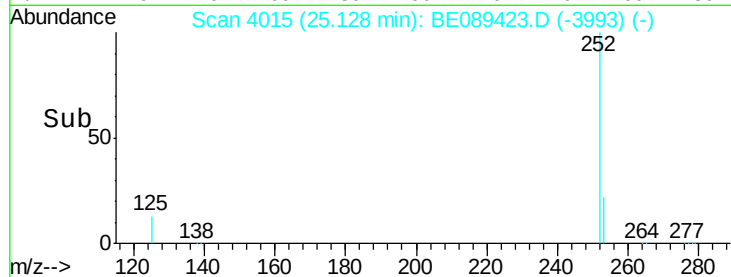
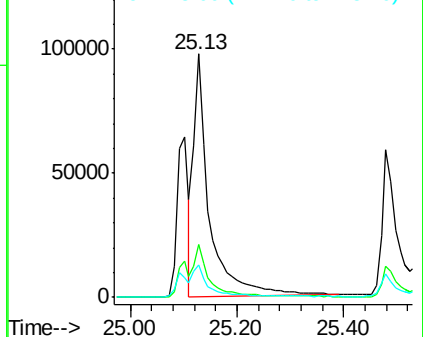
125 13.3 11.0 16.6



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: 1.24 ng

RT: 25.48 min Scan# 4054

Delta R.T. 0.00 min

Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

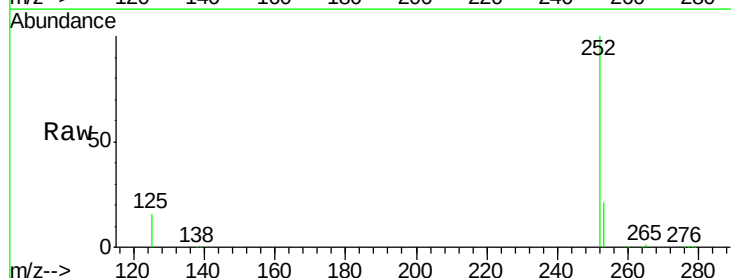
Tgt Ion:252 Resp: 106620

Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

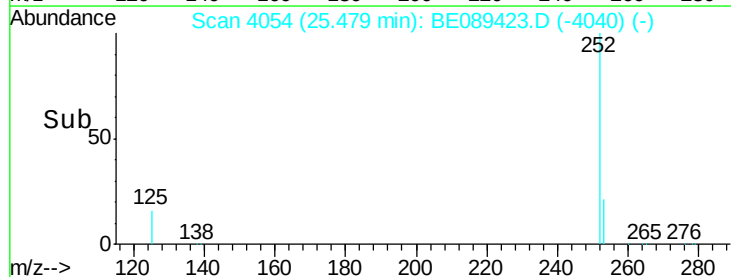
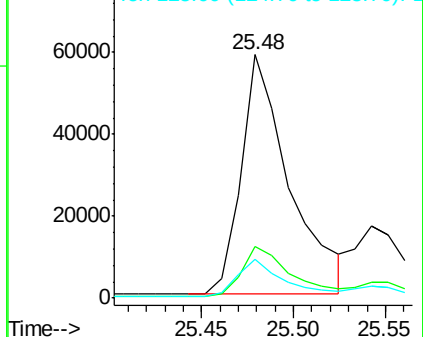
125 16.0 13.0 19.6

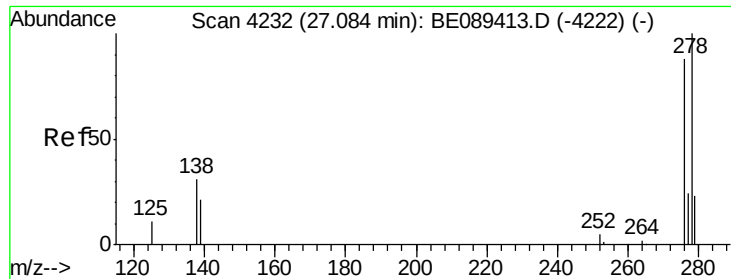


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 1.39 ng

RT: 27.09 min Scan# 4233

Delta R.T. 0.01 min

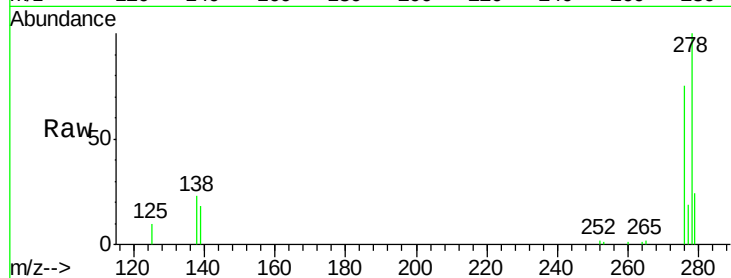
Lab File: BE089423.D

Acq: 29 Jan 2015 21:02

Instrument :

BNA_E

ClientSampleId :



Tgt Ion: 278 Resp: 119561

Ion Ratio Lower Upper

278 100

139 17.9 17.2 25.8

279 24.0 19.2 28.8

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

