

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089466.D
 Acq On : 2 Feb 2015 21:48
 Operator : TP/IZ
 Sample : G1110-07MS
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 04:29:18 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 03 04:09:03 2015
 Response via : Initial Calibration

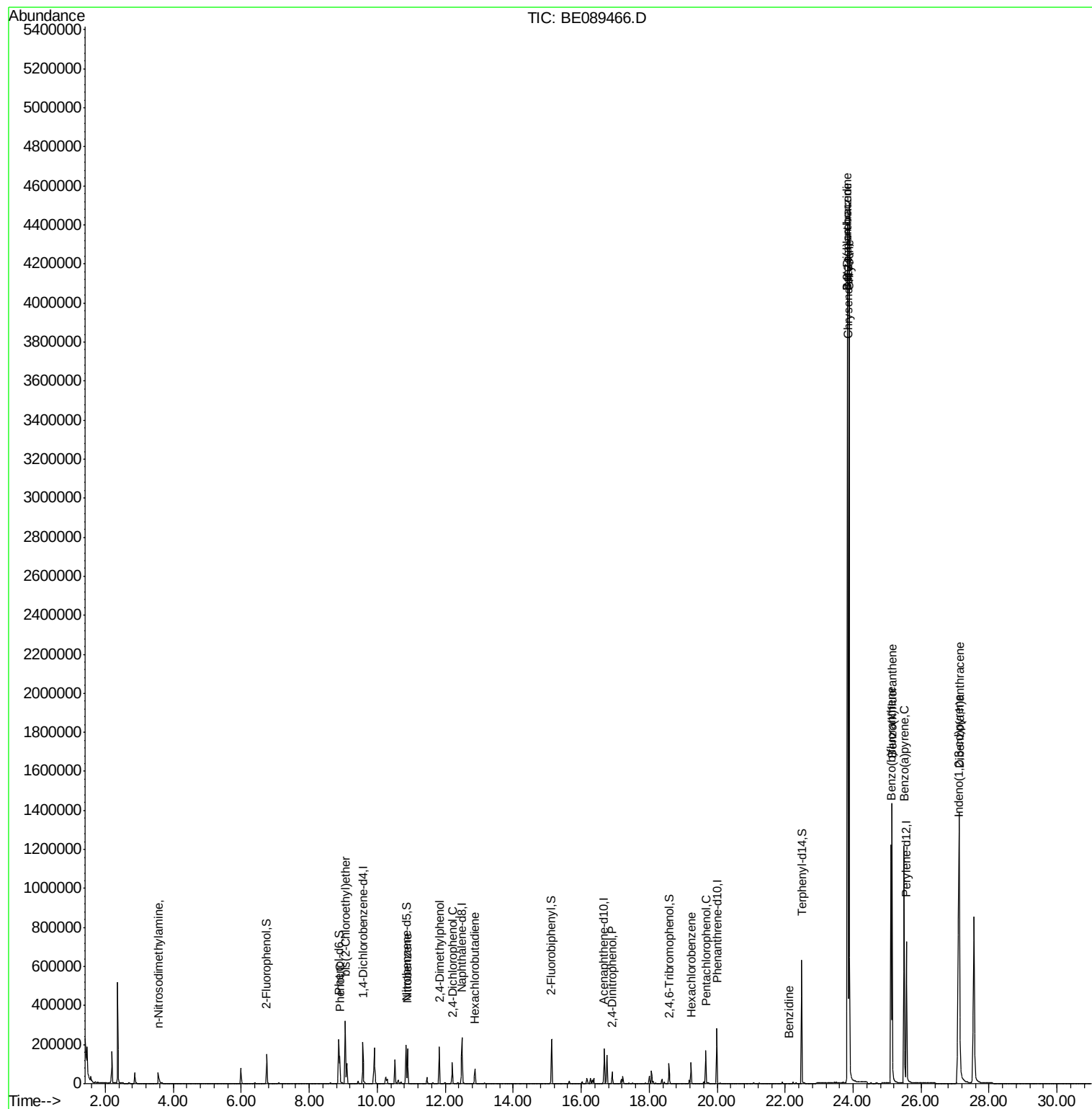
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	90678	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	277092	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	113916	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	266881	5.00	ng	0.00
20) Chrysene-d12	23.85	240	502257	5.00	ng	0.00
27) Perylene-d12	25.57	264	657813	5.00	ng	0.01
System Monitoring Compounds						
3) 2-Fluorophenol	6.75	112	103543	3.41	ng	0.00
4) Phenol-d6	8.87	99	71373	2.02	ng	0.00
8) Nitrobenzene-d5	10.85	82	149081	7.40	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	57549	20.04	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	208256	6.54	ng	0.00
22) Terphenyl-d14	22.48	244	531499	9.36	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.55	42	41681	2.47	ng	# 66
5) Phenol	8.90	94	74621	1.96	ng	88
6) bis(2-Chloroethyl)ether	9.06	93	157040	5.66	ng	# 99
9) Nitrobenzene	10.89	77	161541	7.07	ng	99
10) 2,4-Dimethylphenol	11.83	122	95101	5.81	ng	98
11) 2,4-Dichlorophenol	12.21	162	80100	6.47	ng	99
12) Hexachlorobutadiene	12.87	225	51037	5.85	ng	99
16) 2,4-Dinitrophenol	16.91	184	37827	18.69	ng	# 72
18) Hexachlorobenzene	19.24	284	92928	6.64	ng	# 86
19) Pentachlorophenol	19.67	266	97458	20.32	ng	96
21) Benzidine	22.13	184	308	0.32	ng	# 1
23) Benzo(a)anthracene	23.83	228	3889782	9.72	ng	99
24) 3,3'-Dichlorobenzidine	23.83	252	17736	0.55	ng	# 91
25) Chrysene	23.88	228	3736079	7.64	ng	97
26) Indeno(1,2,3-cd)pyrene	27.10	276	1662838	7.80	ng	97
28) Benzo(b)fluoranthene	25.12	252	1190414	8.98	ng	99
29) Benzo(k)fluoranthene	25.15	252	1279030	7.80	ng	100
30) Benzo(a)pyrene	25.50	252	1247396	8.71	ng	98
31) Dibenzo(a,h)anthracene	27.13	278	1460983	7.87	ng	97

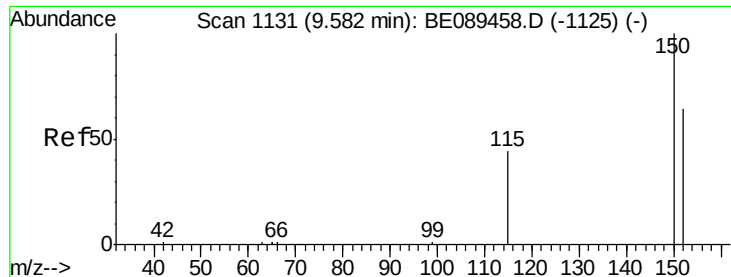
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
Data File : BE089466.D
Acq On : 2 Feb 2015 21:48
Operator : TP/IZ
Sample : G1110-07MS
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Feb 03 04:29:18 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 03 04:09:03 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. -0.00 min

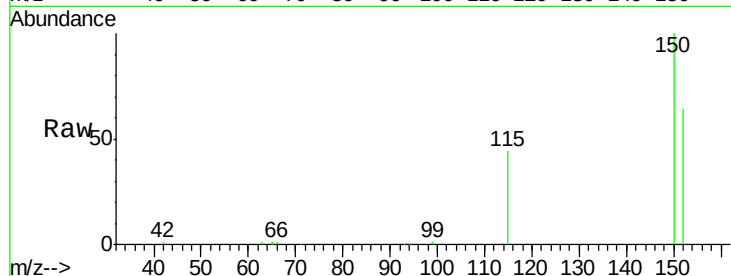
Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

Instrument :

BNA_E

ClientSampleId :



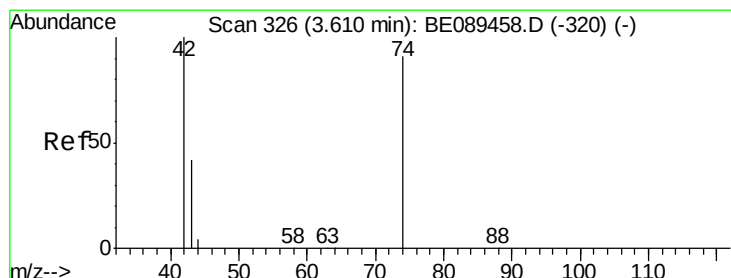
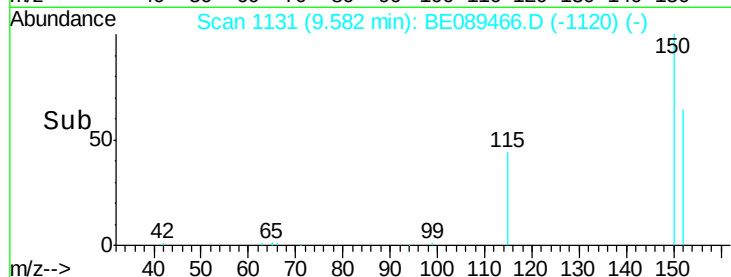
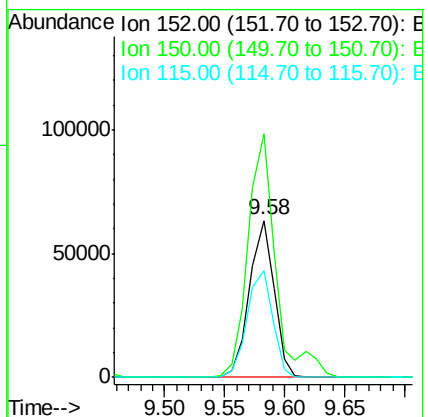
Tgt Ion:152 Resp: 90678

Ion Ratio Lower Upper

152 100

150 155.2 124.6 186.8

115 67.9 55.4 83.0



#2

n-Nitrosodimethylamine

Concen: 2.47 ng

RT: 3.55 min Scan# 318

Delta R.T. -0.06 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

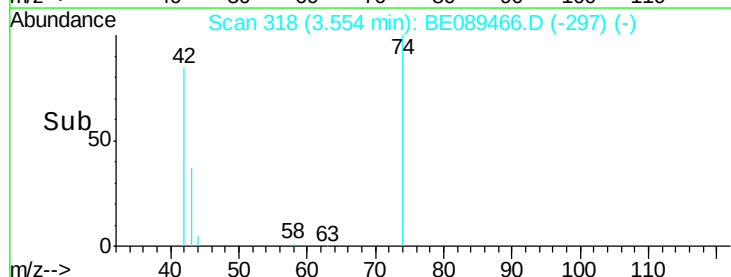
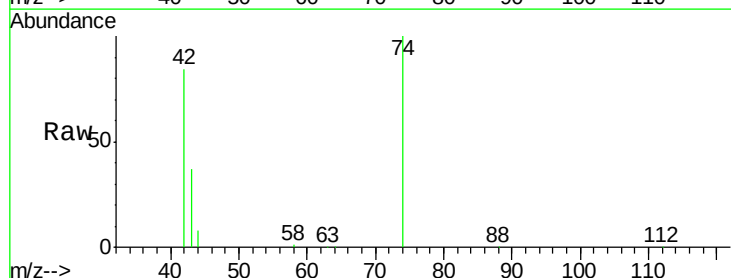
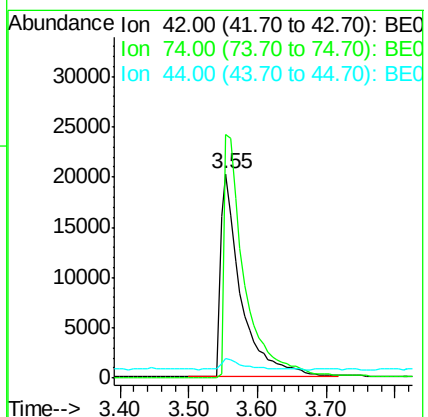
Tgt Ion: 42 Resp: 41681

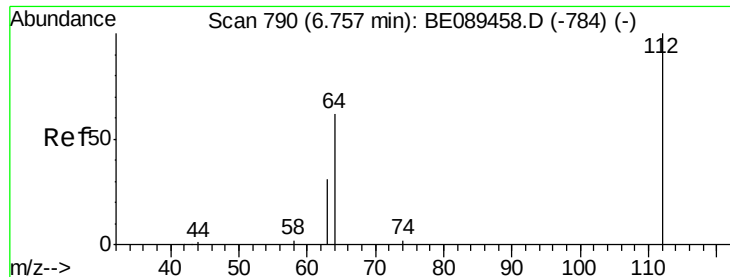
Ion Ratio Lower Upper

42 100

74 119.4 72.1 108.1#

44 9.9 28.0 42.0#

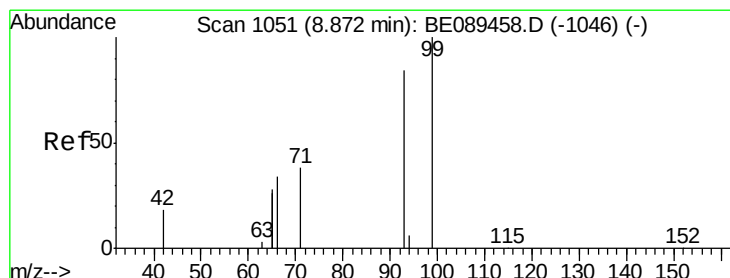
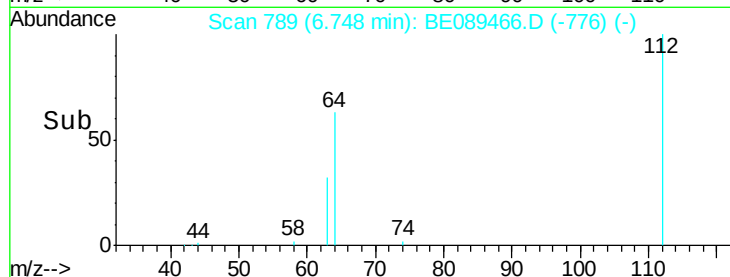
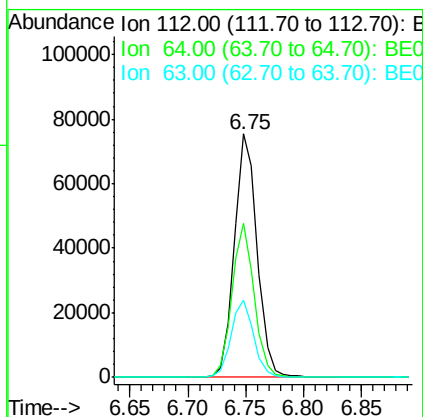
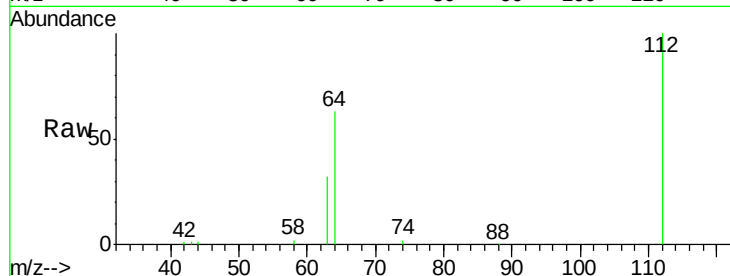




#3
 2-Fluorophenol
 Concen: 3.41 ng
 RT: 6.75 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BE089466.D
 Acq: 2 Feb 2015 21:48

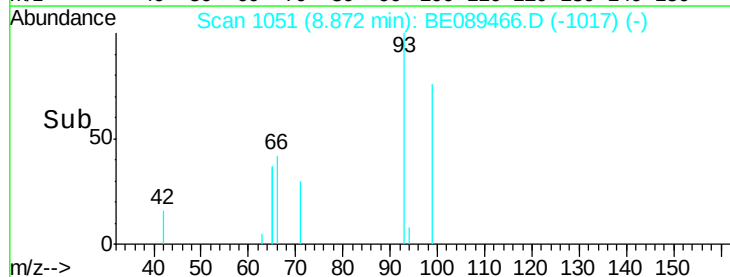
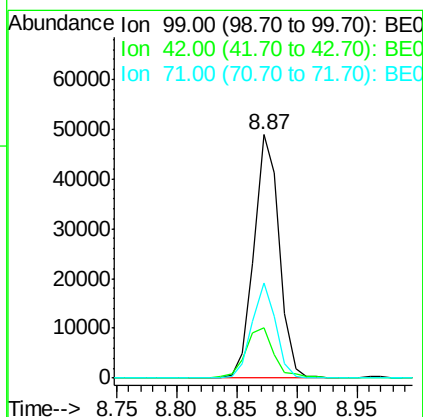
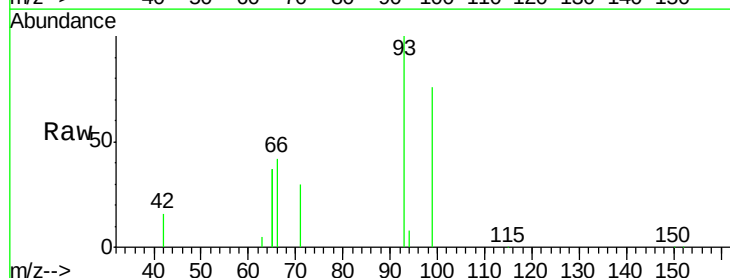
Instrument :
 BNA_E
 ClientSampled :

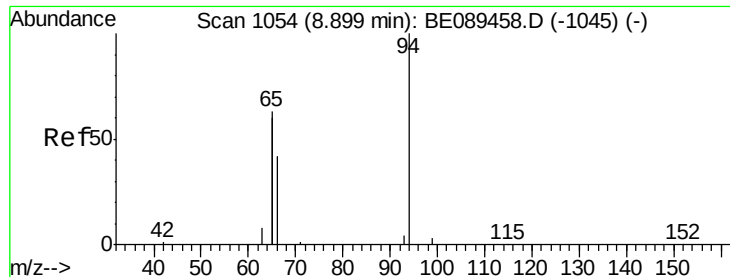
Tgt Ion: 112 Resp: 103543
 Ion Ratio Lower Upper
 112 100
 64 63.3 49.8 74.8
 63 31.9 24.9 37.3



#4
 Phenol-d6
 Concen: 2.02 ng
 RT: 8.87 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: BE089466.D
 Acq: 2 Feb 2015 21:48

Tgt Ion: 99 Resp: 71373
 Ion Ratio Lower Upper
 99 100
 42 20.9 15.0 22.4
 71 39.0 30.6 46.0





#5

Phenol

Concen: 1.96 ng

RT: 8.90 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

Instrument :

BNA_E

ClientSampled :

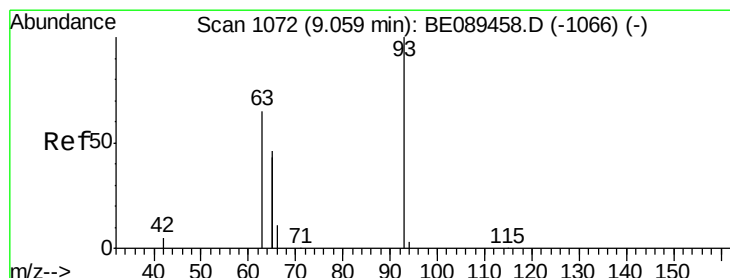
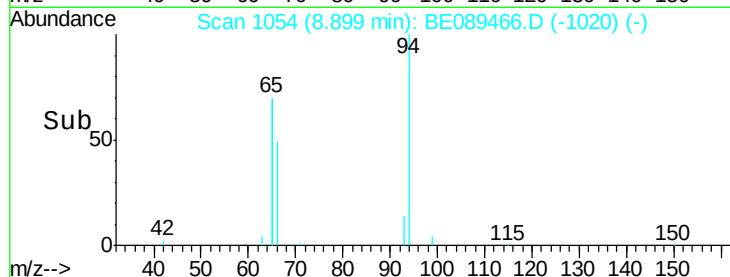
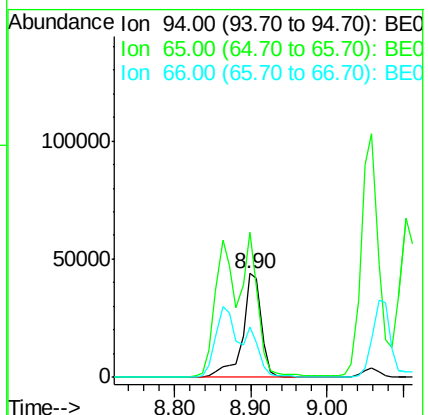
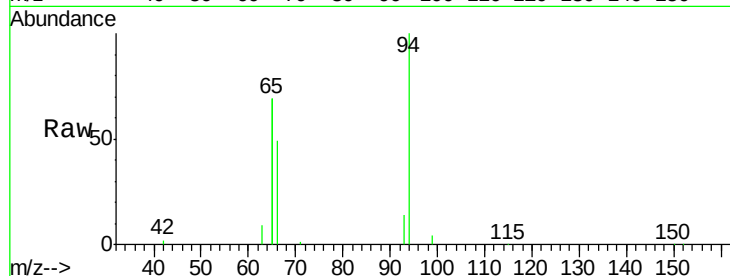
Tgt Ion: 94 Resp: 74621

Ion Ratio Lower Upper

94 100

65 138.9 105.0 145.0

66 48.6 22.4 62.4



#6

bis(2-Chloroethyl)ether

Concen: 5.66 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

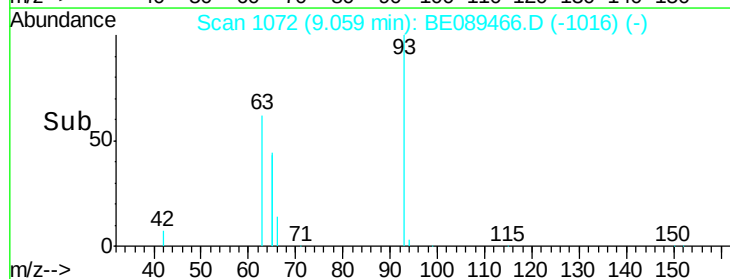
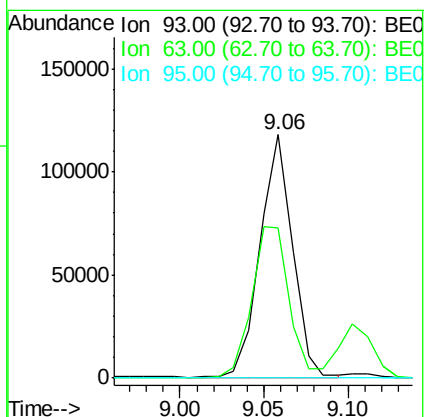
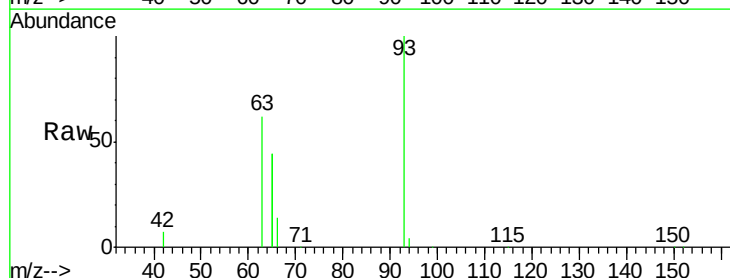
Tgt Ion: 93 Resp: 157040

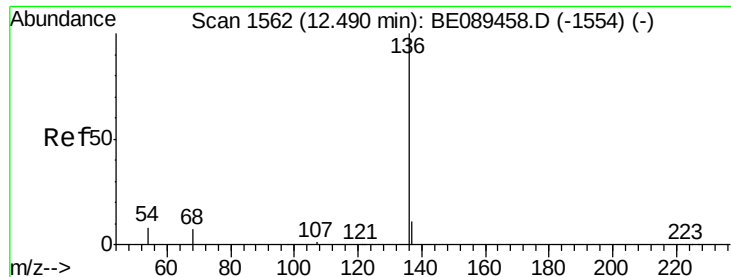
Ion Ratio Lower Upper

93 100

63 73.0 59.2 88.8

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.49 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

Instrument :

BNA_E

ClientSampleId :

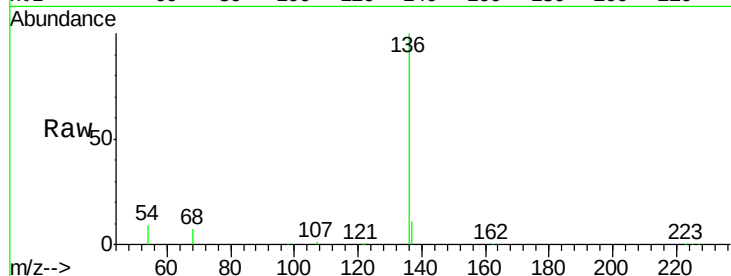
Tgt Ion: 136 Resp: 277092

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

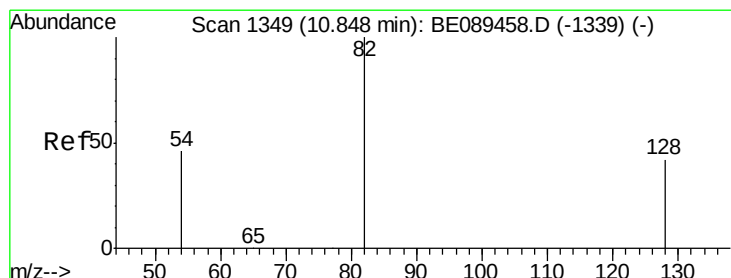
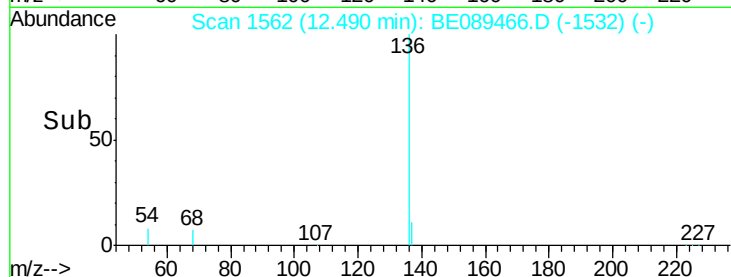
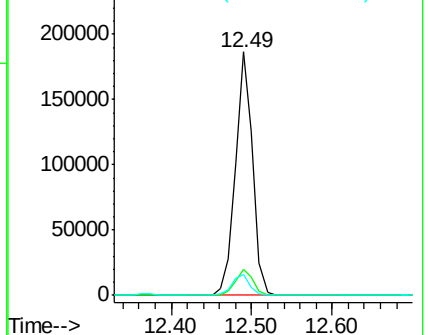
54 8.5 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 7.40 ng

RT: 10.85 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

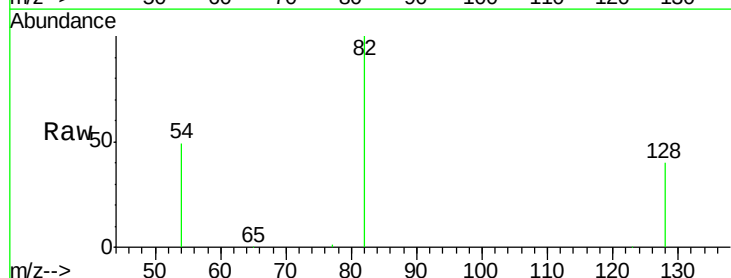
Tgt Ion: 82 Resp: 149081

Ion Ratio Lower Upper

82 100

128 40.5 34.2 51.2

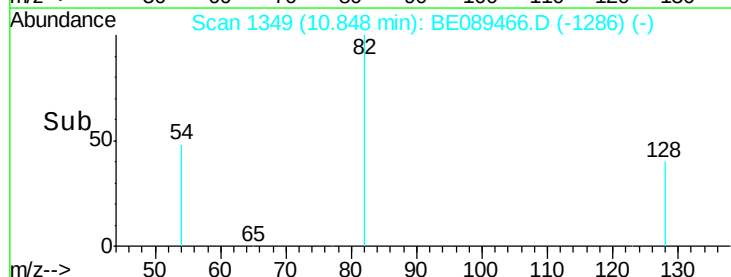
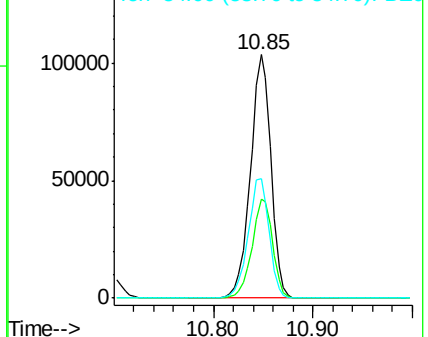
54 49.3 37.3 55.9

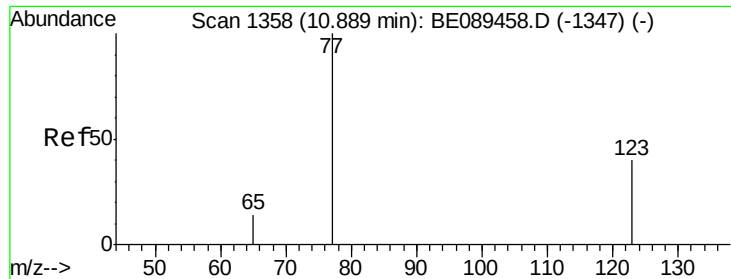


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 7.07 ng

RT: 10.89 min Scan# 1359

Delta R.T. 0.00 min

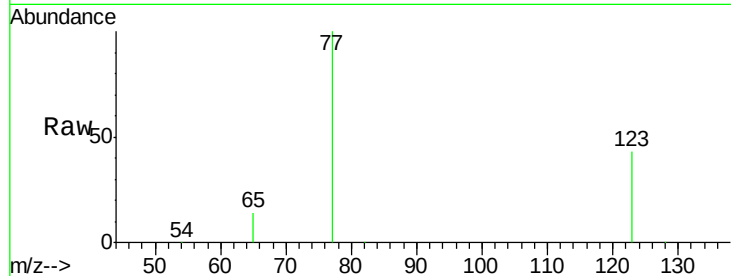
Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

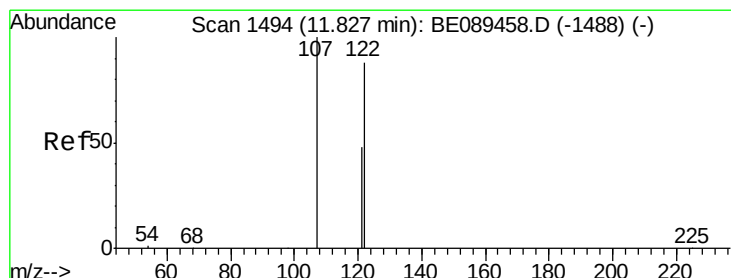
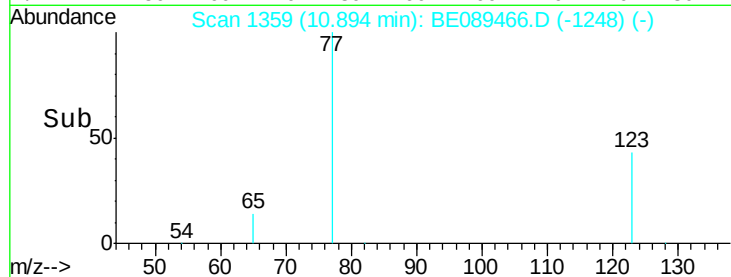
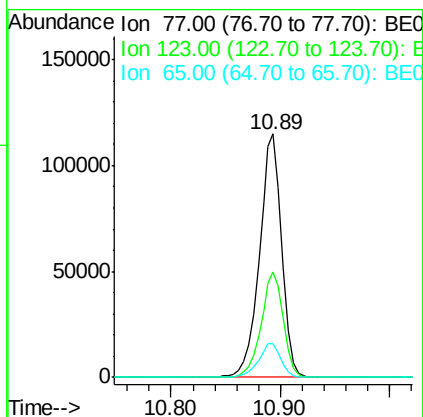
Instrument :

BNA_E

ClientSampleId :



Tgt Ion:	77	Resp:	161541
Ion	Ratio	Lower	Upper
77	100		
123	43.1	33.6	50.4
65	14.0	11.0	16.6



#10

2,4-Dimethylphenol

Concen: 5.81 ng

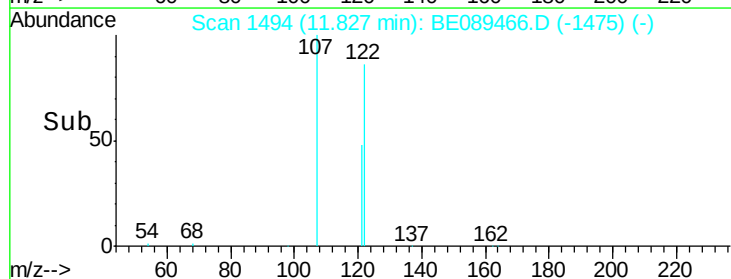
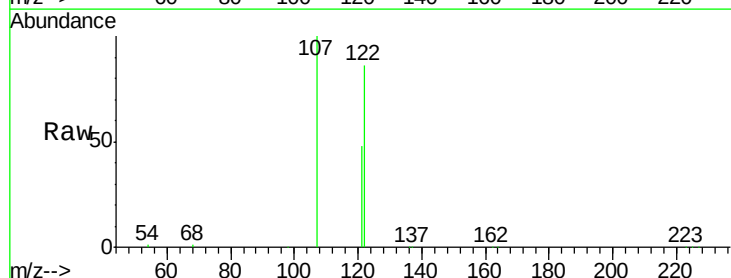
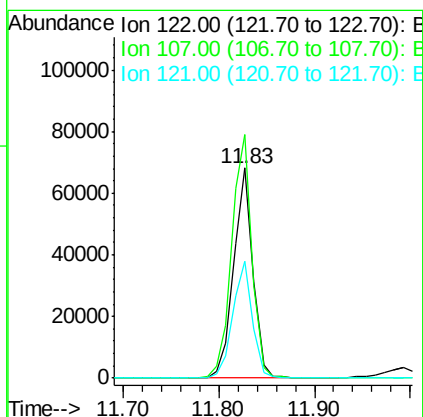
RT: 11.83 min Scan# 1494

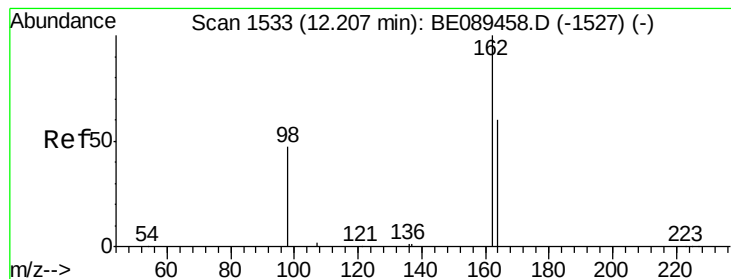
Delta R.T. -0.00 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

Tgt Ion:	122	Resp:	95101
Ion	Ratio	Lower	Upper
122	100		
107	115.9	90.6	136.0
121	55.4	43.7	65.5





#11

2,4-Dichlorophenol

Concen: 6.47 ng

RT: 12.21 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

Instrument :

BNA_E

ClientSampleId :

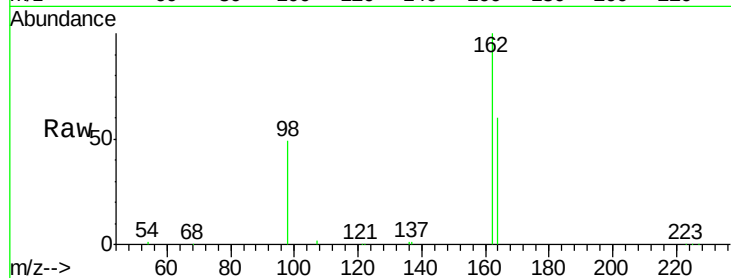
Tgt Ion:162 Resp: 80100

Ion Ratio Lower Upper

162 100

164 60.2 40.5 80.5

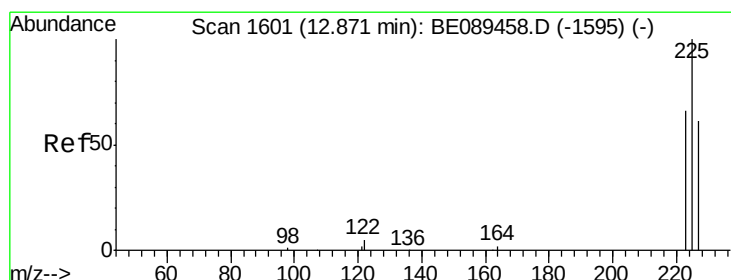
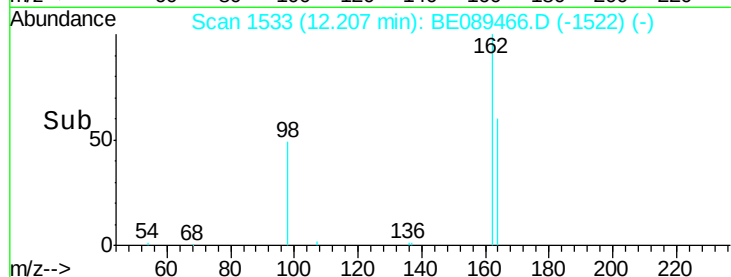
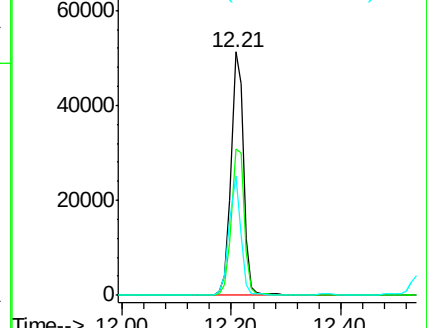
98 49.1 28.1 68.1



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: 5.85 ng

RT: 12.87 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

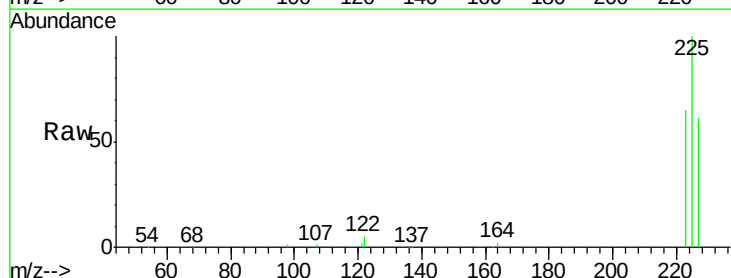
Tgt Ion:225 Resp: 51037

Ion Ratio Lower Upper

225 100

223 63.1 50.2 75.2

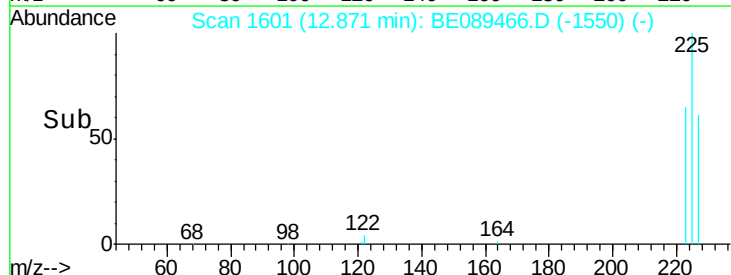
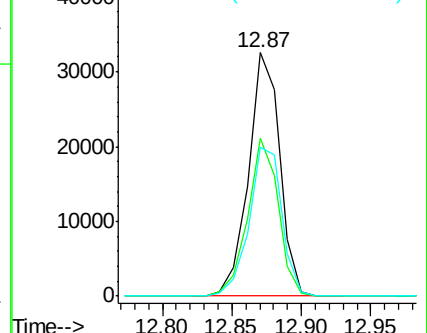
227 64.0 49.9 74.9

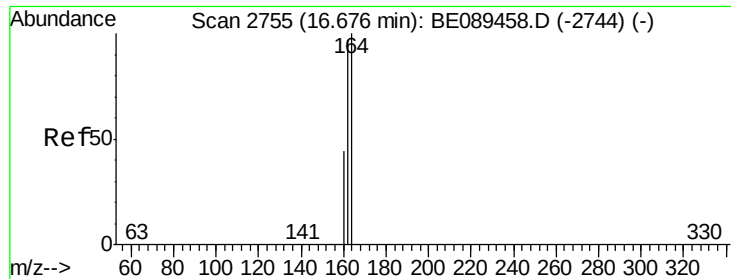


Abundance Ion 225.00 (224.70 to 225.70): E

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

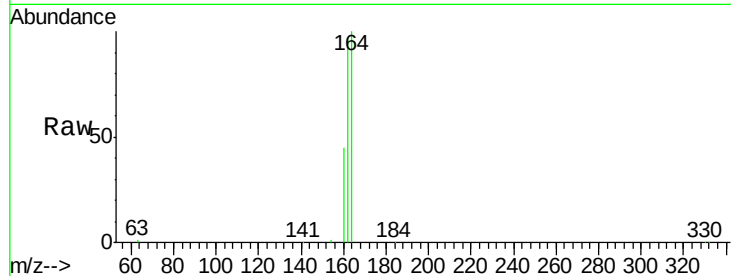
Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

Instrument :

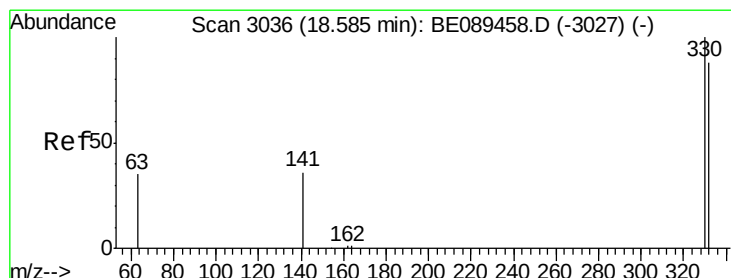
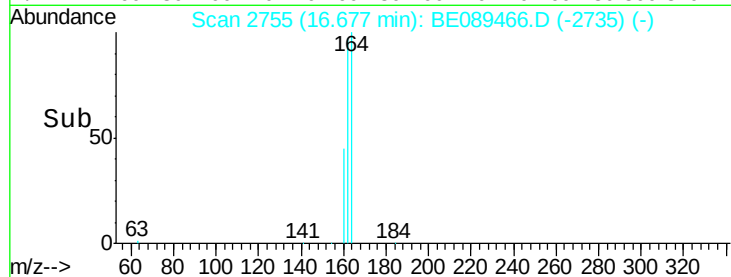
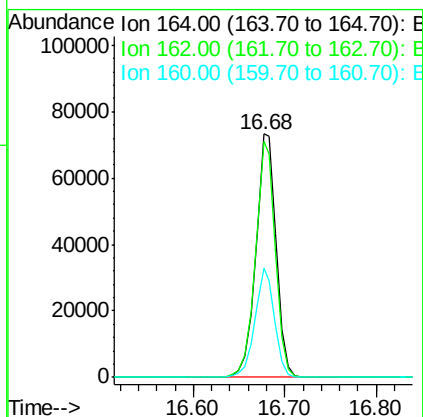
BNA_E

ClientSampleId :



Tgt Ion:164 Resp: 113916

Ion	Ratio	Lower	Upper
164	100		
162	96.9	77.4	116.2
160	44.8	35.5	53.3



#14

2,4,6-Tribromophenol

Concen: 20.04 ng

RT: 18.59 min Scan# 3036

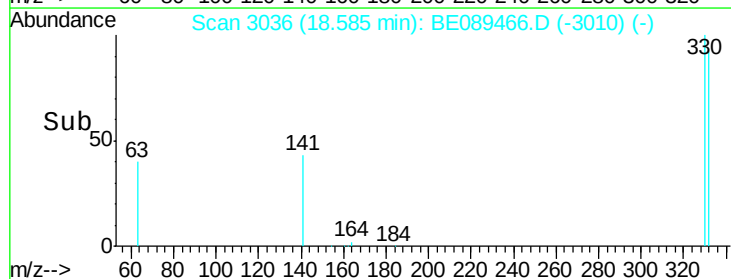
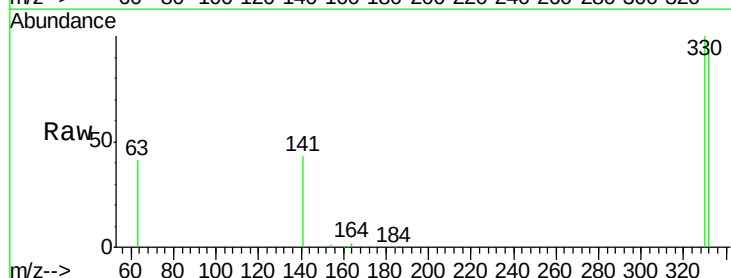
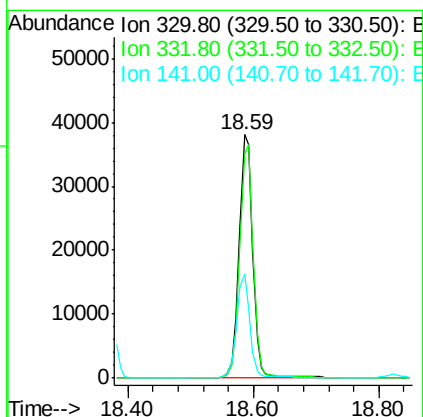
Delta R.T. 0.00 min

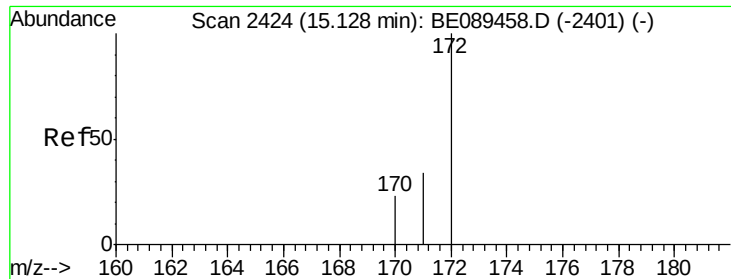
Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

Tgt Ion:330 Resp: 57549

Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.4	113.2
141	40.9	35.7	53.5

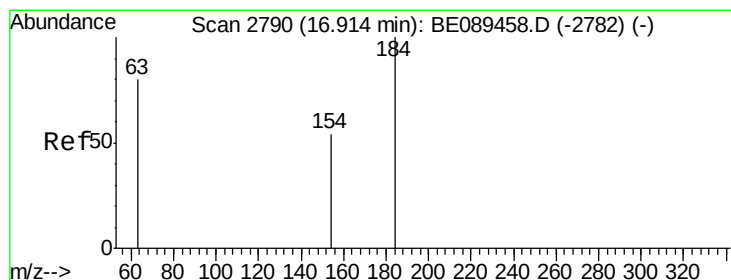
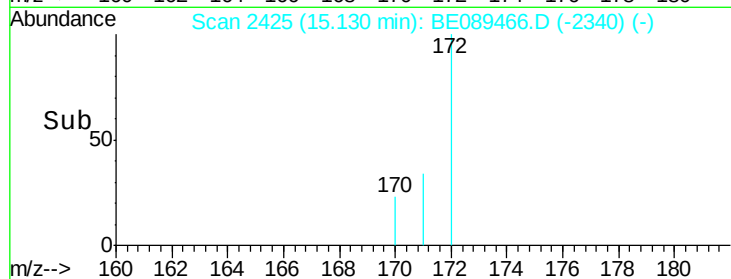
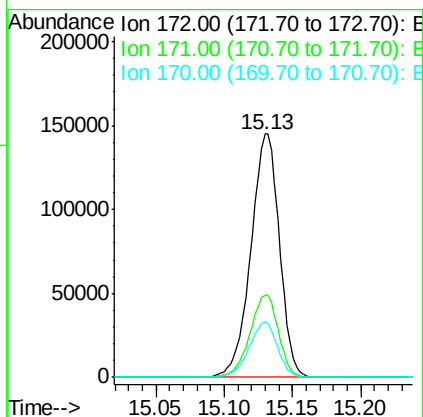
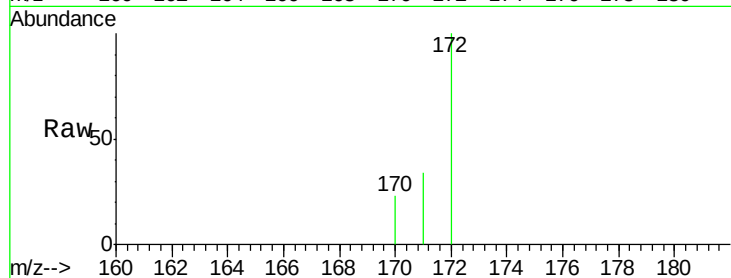




#15
2-Fluorobiphenyl
Concen: 6.54 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089466.D
Acq: 2 Feb 2015 21:48

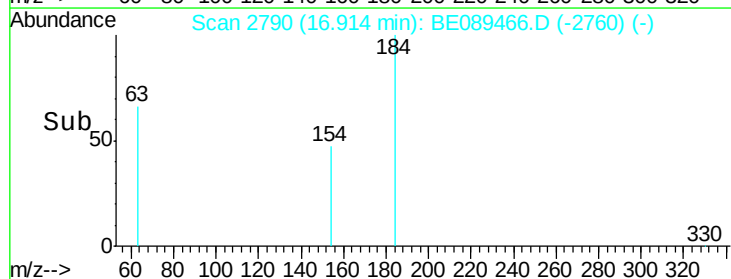
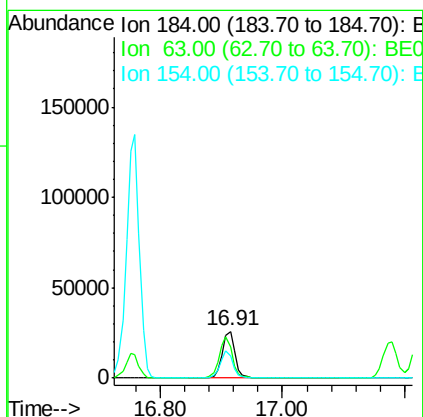
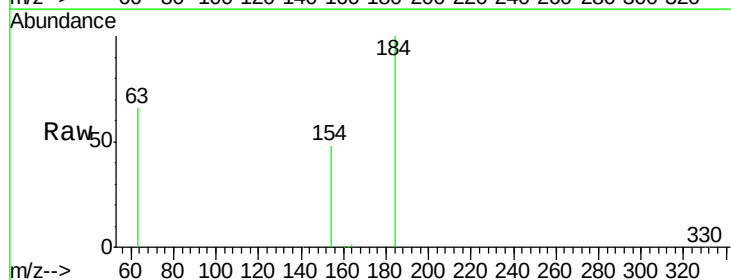
Instrument :
BNA_E
ClientSampleId :

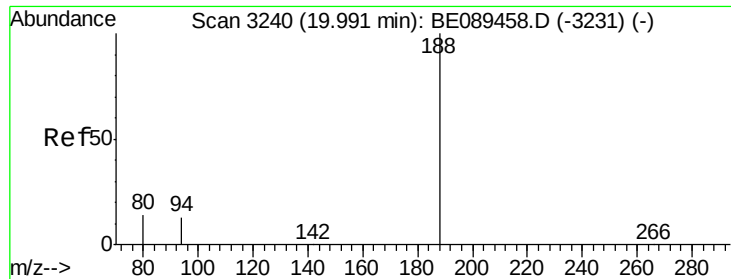
Tgt Ion:172 Resp: 208256
Ion Ratio Lower Upper
172 100
171 34.0 27.7 41.5
170 22.8 18.3 27.5



#16
2,4-Dinitrophenol
Concen: 18.69 ng
RT: 16.91 min Scan# 2790
Delta R.T. 0.00 min
Lab File: BE089466.D
Acq: 2 Feb 2015 21:48

Tgt Ion:184 Resp: 37827
Ion Ratio Lower Upper
184 100
63 66.3 77.0 115.6#
154 48.3 54.0 81.0#

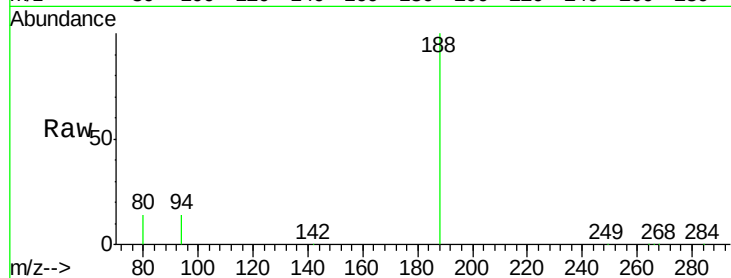




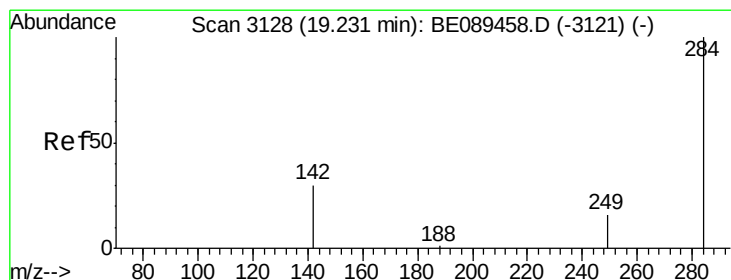
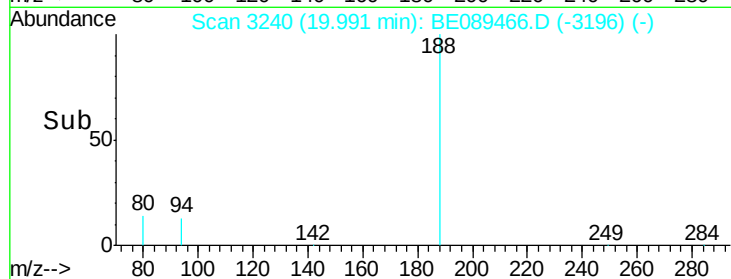
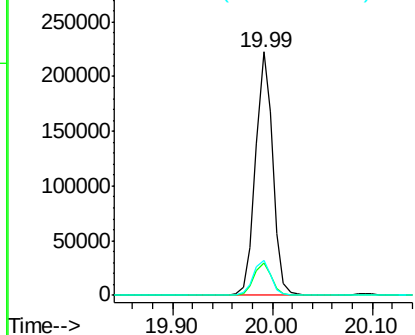
#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: BE089466.D
 Acq: 2 Feb 2015 21:48

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:188 Resp: 266881
 Ion Ratio Lower Upper
 188 100
 94 13.5 10.2 15.4
 80 14.4 10.9 16.3

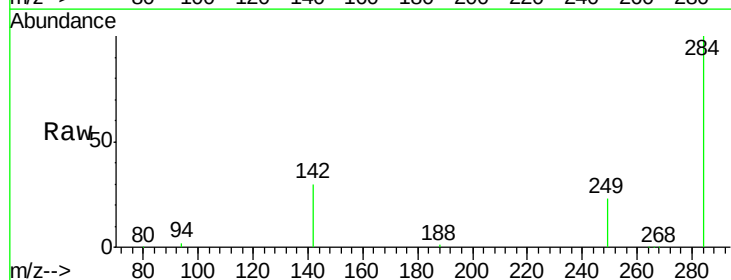


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BE0
 Ion 80.00 (79.70 to 80.70): BE0

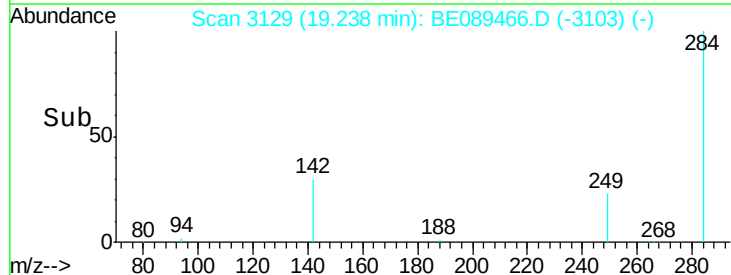
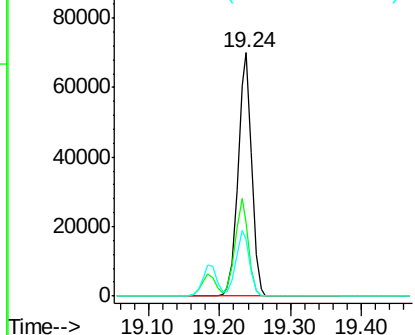


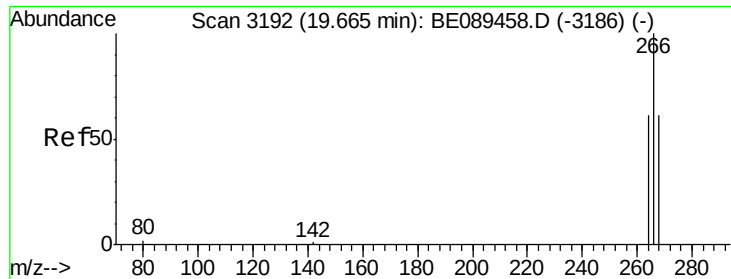
#18
 Hexachlorobenzene
 Concen: 6.64 ng
 RT: 19.24 min Scan# 3129
 Delta R.T. 0.01 min
 Lab File: BE089466.D
 Acq: 2 Feb 2015 21:48

Tgt Ion:284 Resp: 92928
 Ion Ratio Lower Upper
 284 100
 142 30.3 31.8 47.8#
 249 23.2 23.5 35.3#



Abundance Ion 284.00 (283.70 to 284.70): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

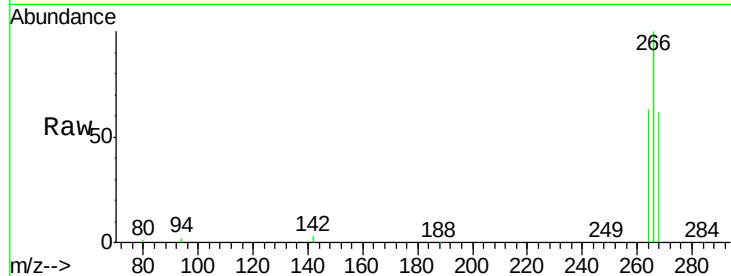




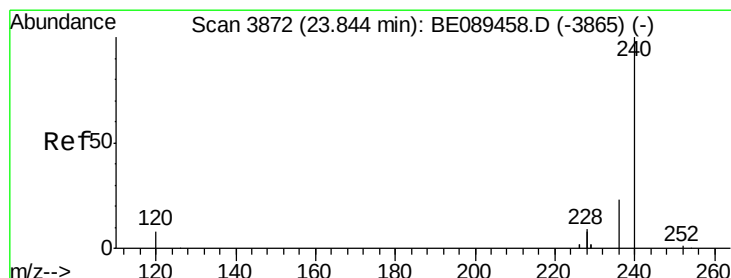
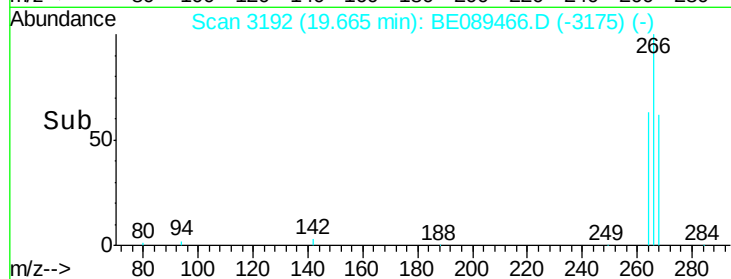
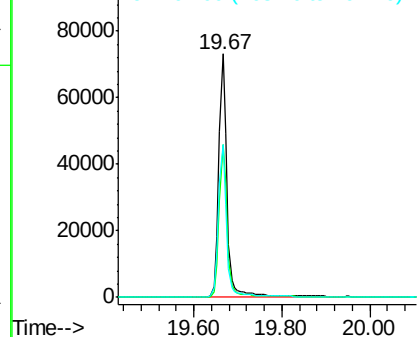
#19
 Pentachlorophenol
 Concen: 20.32 ng
 RT: 19.67 min Scan# 3192
 Delta R.T. 0.00 min
 Lab File: BE089466.D
 Acq: 2 Feb 2015 21:48

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion: 266 Resp: 97458
 Ion Ratio Lower Upper
 266 100
 268 62.5 52.6 78.8
 264 62.8 52.2 78.2

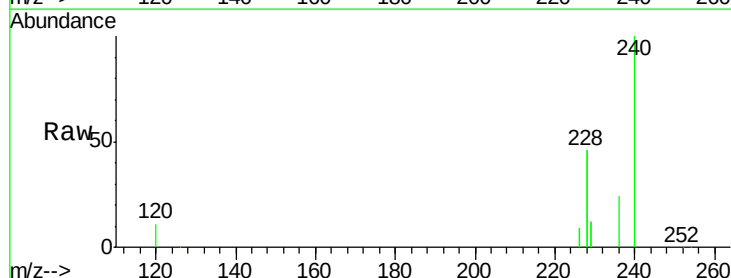


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

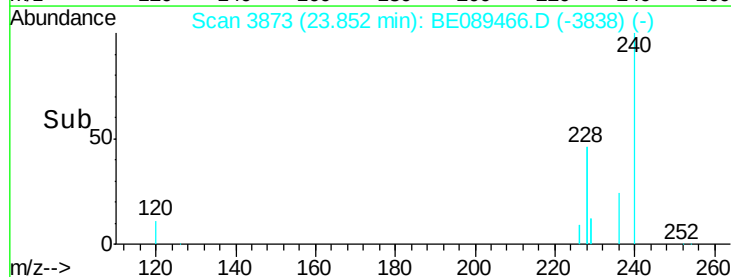
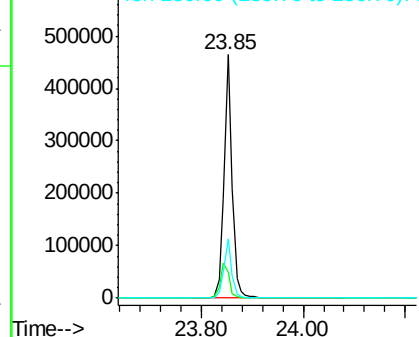


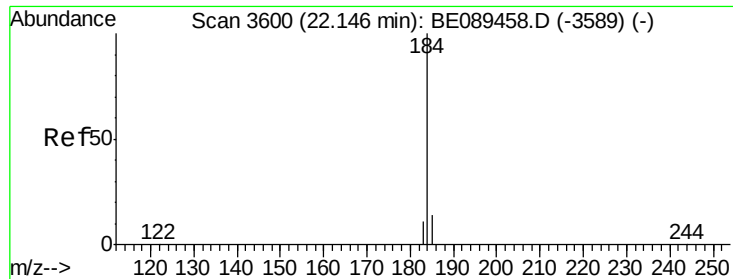
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.85 min Scan# 3873
 Delta R.T. 0.01 min
 Lab File: BE089466.D
 Acq: 2 Feb 2015 21:48

Tgt Ion: 240 Resp: 502257
 Ion Ratio Lower Upper
 240 100
 120 10.8 6.2 9.4#
 236 24.2 18.2 27.4



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

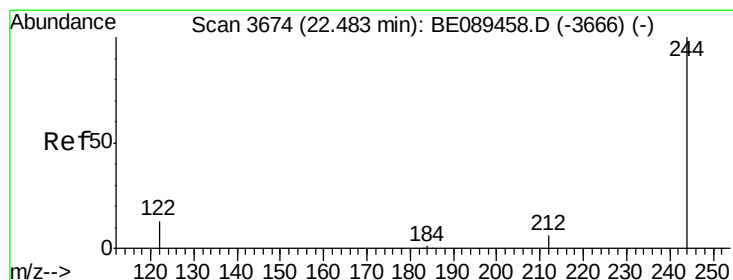
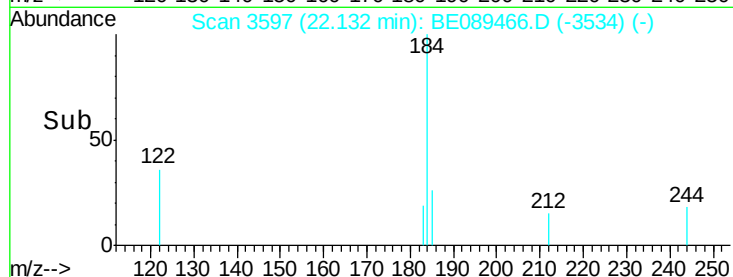
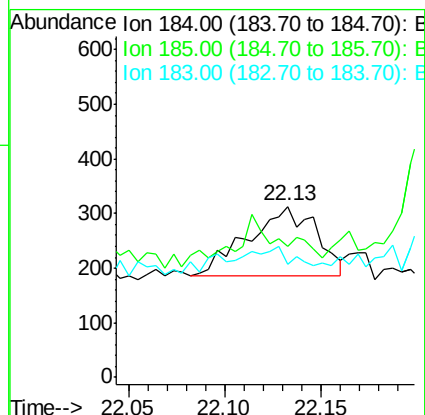
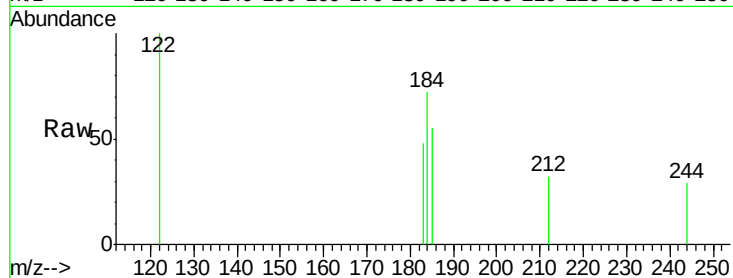




#21
Benzidine
Concen: 0.32 ng
RT: 22.13 min Scan# 3597
Delta R.T. -0.01 min
Lab File: BE089466.D
Acq: 2 Feb 2015 21:48

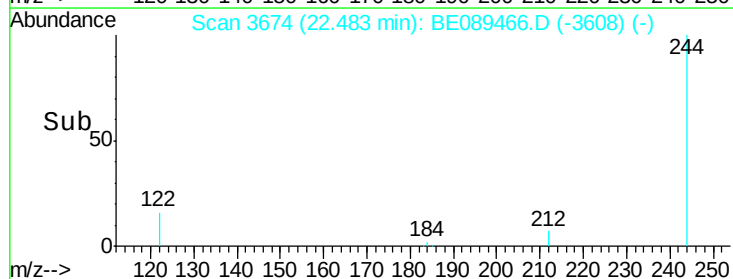
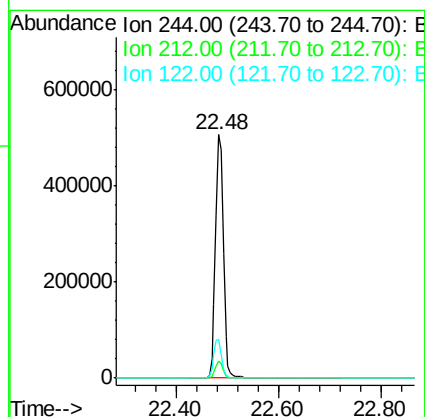
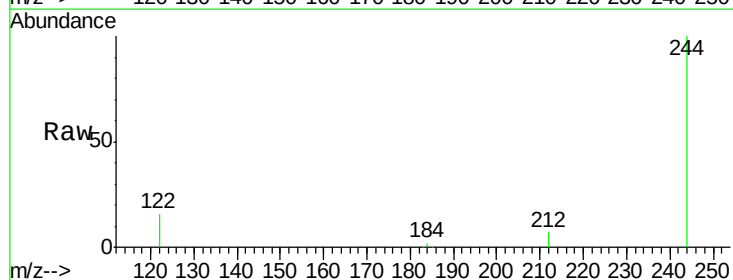
Instrument :
BNA_E
ClientSampled :

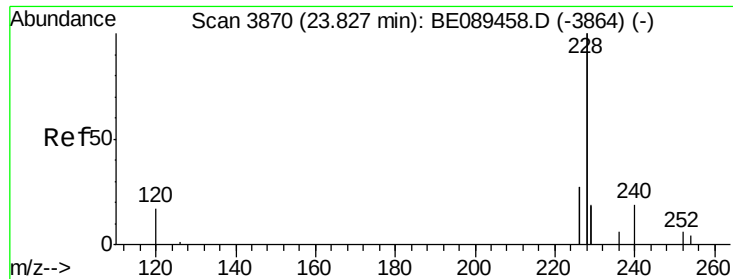
Tgt Ion:184 Resp: 308
Ion Ratio Lower Upper
184 100
185 76.7 11.7 17.5#
183 66.1 9.4 14.0#



#22
Terphenyl-d14
Concen: 9.36 ng
RT: 22.48 min Scan# 3674
Delta R.T. -0.00 min
Lab File: BE089466.D
Acq: 2 Feb 2015 21:48

Tgt Ion:244 Resp: 531499
Ion Ratio Lower Upper
244 100
212 7.0 5.3 7.9
122 15.8 10.5 15.7#





#23

Benzo(a)anthracene

Concen: 9.72 ng

RT: 23.83 min Scan# 3871

Delta R.T. 0.01 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

Instrument :

BNA_E

ClientSampleId :

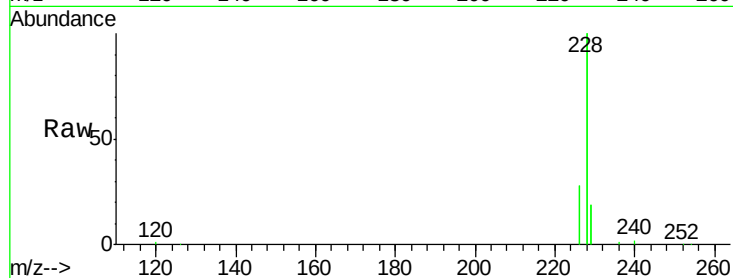
Tgt Ion:228 Resp: 3889782

Ion Ratio Lower Upper

228 100

226 27.5 21.7 32.5

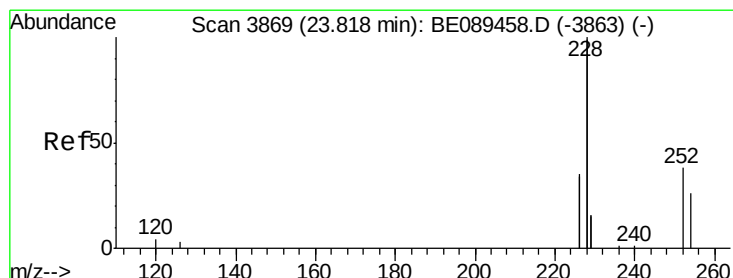
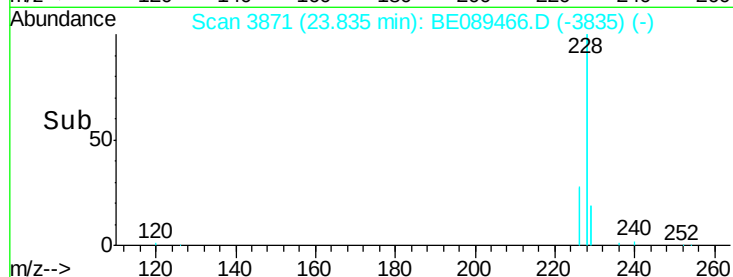
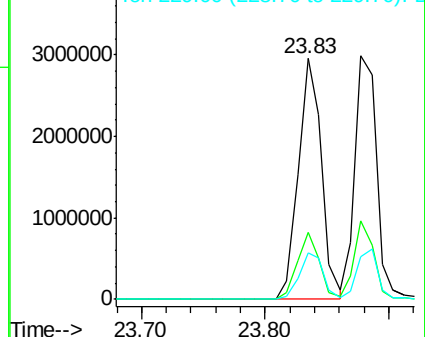
229 19.0 14.8 22.2



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: 0.55 ng

RT: 23.83 min Scan# 3870

Delta R.T. 0.01 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

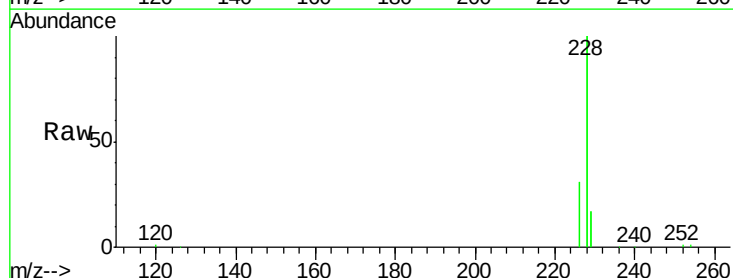
Tgt Ion:252 Resp: 17736

Ion Ratio Lower Upper

252 100

254 67.8 54.6 82.0

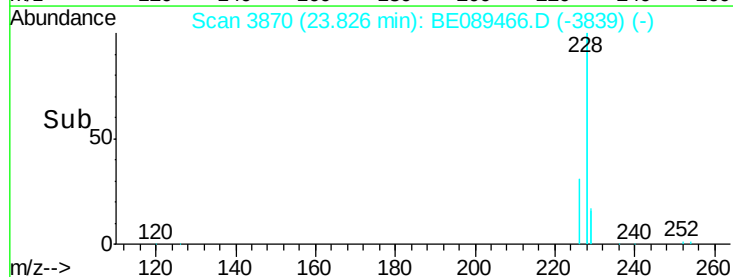
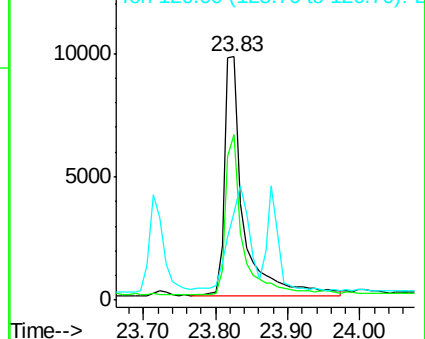
126 35.8 8.0 12.0#

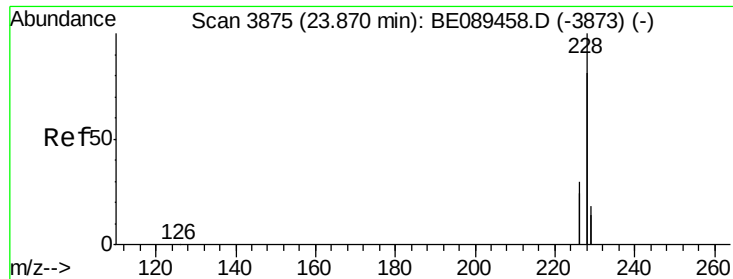


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 7.64 ng

RT: 23.88 min Scan# 3876

Delta R.T. 0.01 min

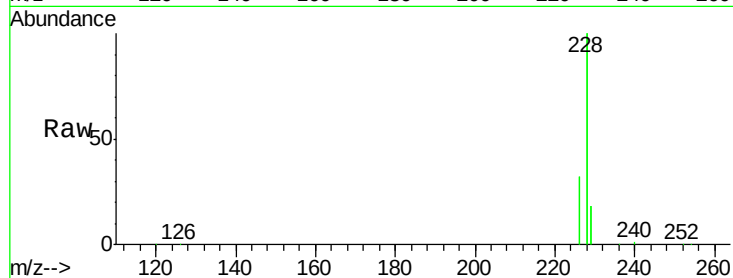
Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

Instrument :

BNA_E

ClientSampleId :



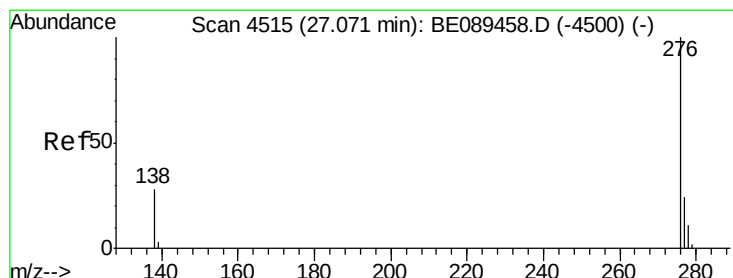
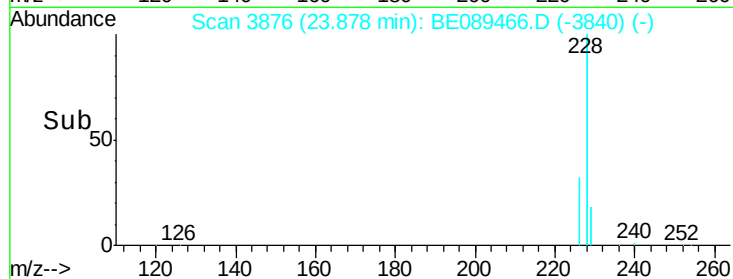
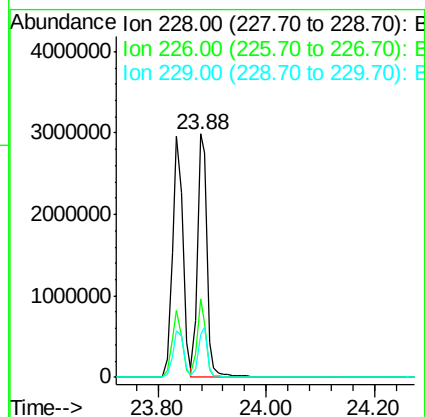
Tgt Ion:228 Resp: 3736079

Ion Ratio Lower Upper

228 100

226 32.4 23.8 35.8

229 17.8 14.3 21.5



#26

Indeno(1,2,3-cd)pyrene

Concen: 7.80 ng

RT: 27.10 min Scan# 4521

Delta R.T. 0.03 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

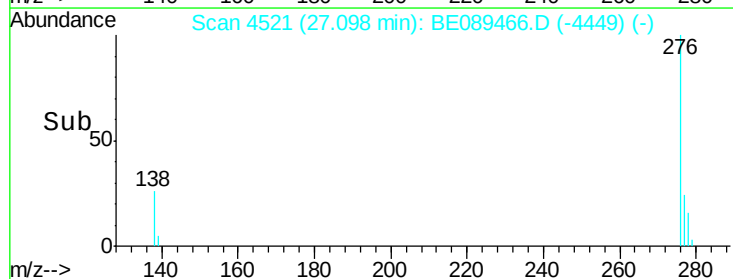
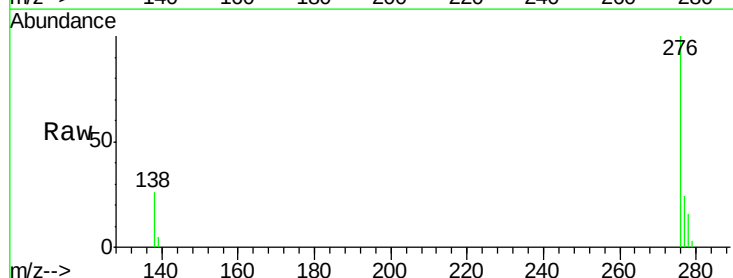
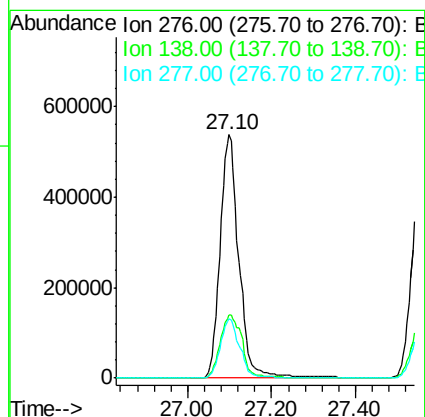
Tgt Ion:276 Resp: 1662838

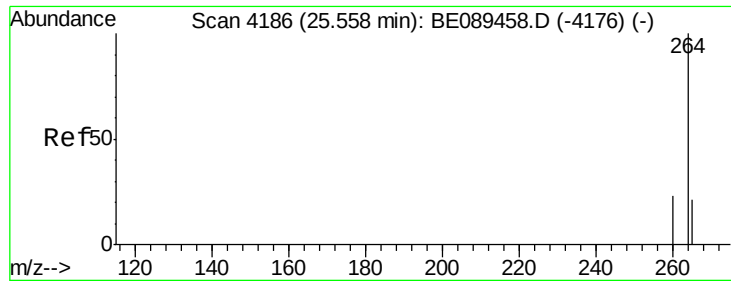
Ion Ratio Lower Upper

276 100

138 30.5 23.3 34.9

277 25.2 19.0 28.4

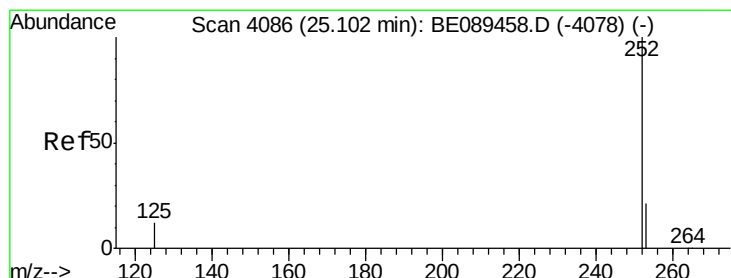
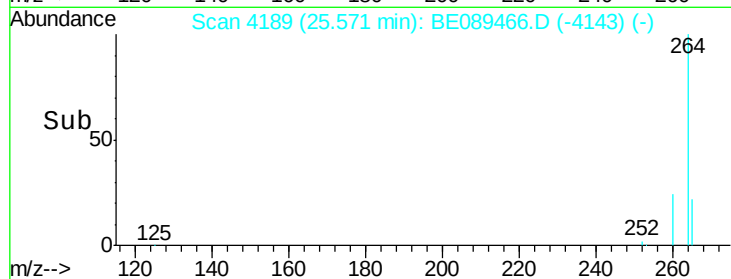
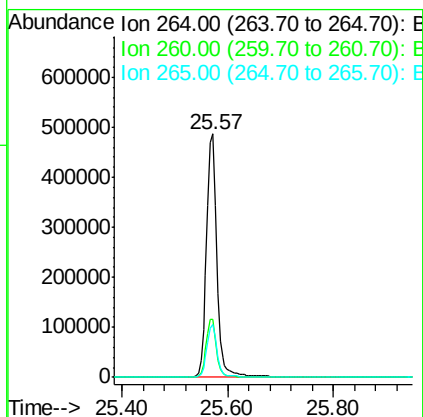
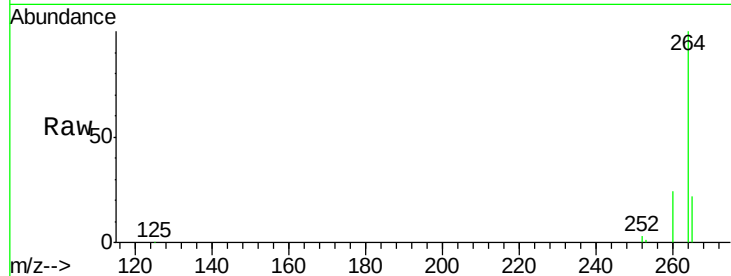




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.57 min Scan# 4189
 Delta R.T. 0.01 min
 Lab File: BE089466.D
 Acq: 2 Feb 2015 21:48

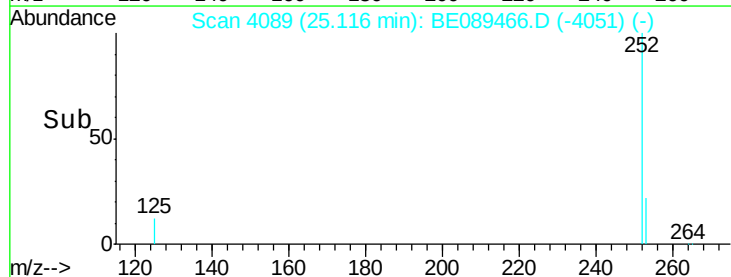
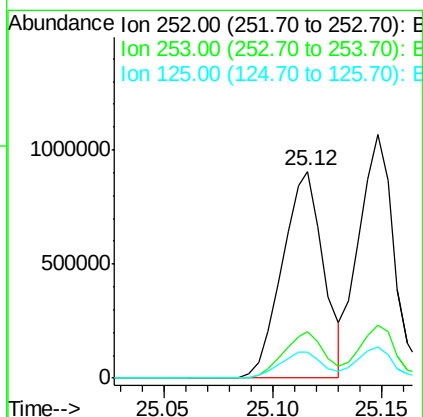
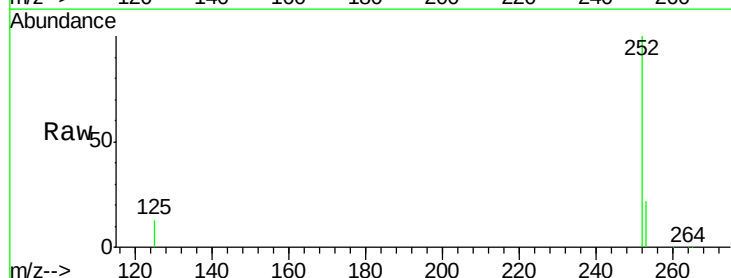
Instrument :
 BNA_E
 ClientSampleId :

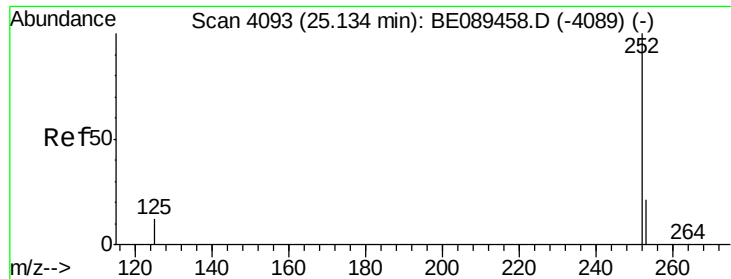
Tgt Ion: 264 Resp: 657813
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 21.8 17.0 25.6



#28
Benzo(b)fluoranthene
 Concen: 8.98 ng
 RT: 25.12 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: BE089466.D
 Acq: 2 Feb 2015 21:48

Tgt Ion: 252 Resp: 1190414
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.4 26.0
 125 12.5 10.4 15.6





#29

Benzo(k)fluoranthene

Concen: 7.80 ng

RT: 25.15 min Scan# 4096

Delta R.T. 0.01 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

Instrument :

BNA_E

ClientSampleId :

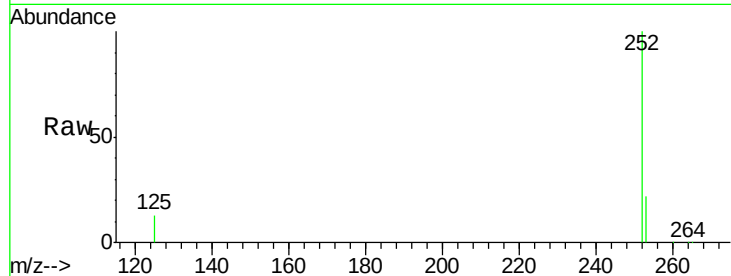
Tgt Ion:252 Resp: 1279030

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

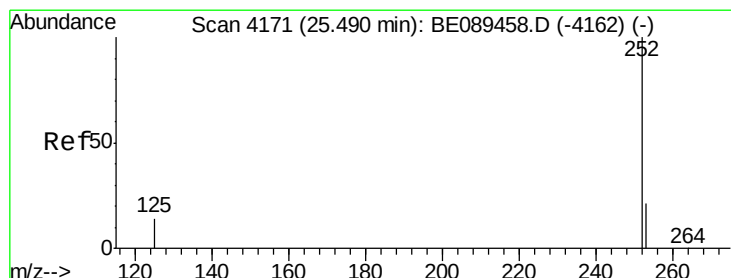
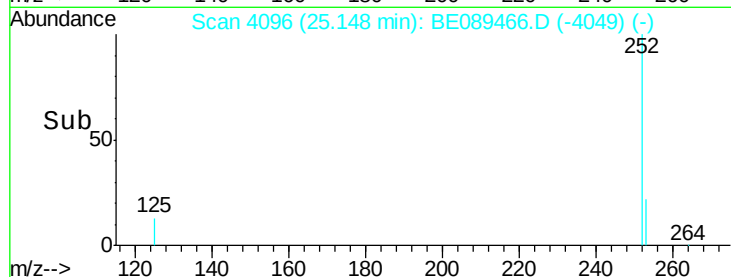
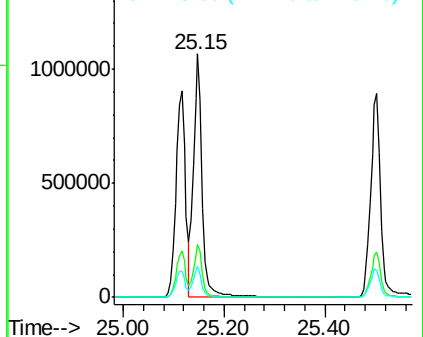
125 12.8 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#30

Benzo(a)pyrene

Concen: 8.71 ng

RT: 25.50 min Scan# 4174

Delta R.T. 0.01 min

Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

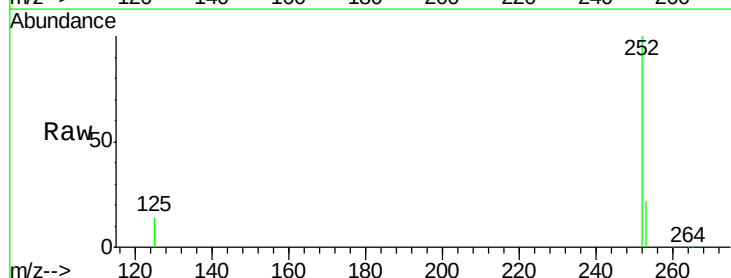
Tgt Ion:252 Resp: 1247396

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

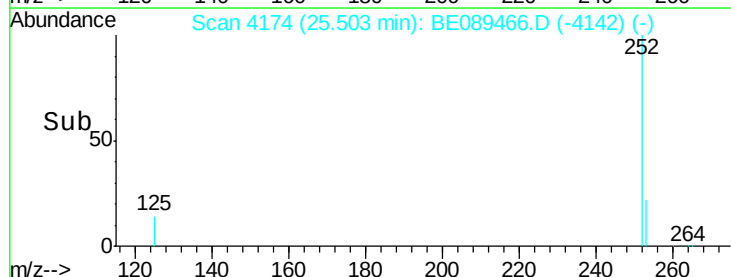
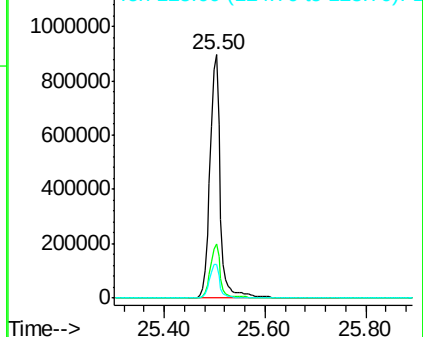
125 13.7 11.8 17.8

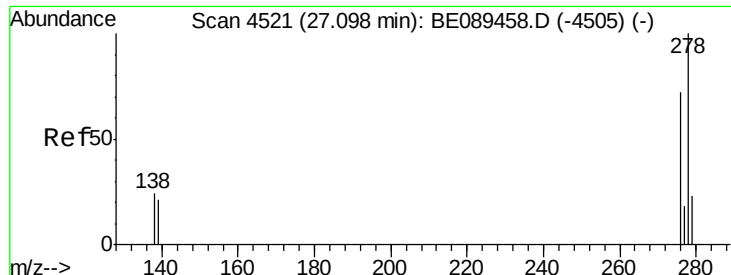


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 7.87 ng

RT: 27.13 min Scan# 4527

Delta R.T. 0.03 min

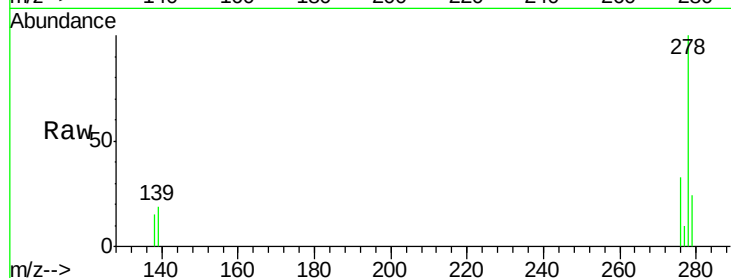
Lab File: BE089466.D

Acq: 2 Feb 2015 21:48

Instrument :

BNA_E

ClientSampleId :



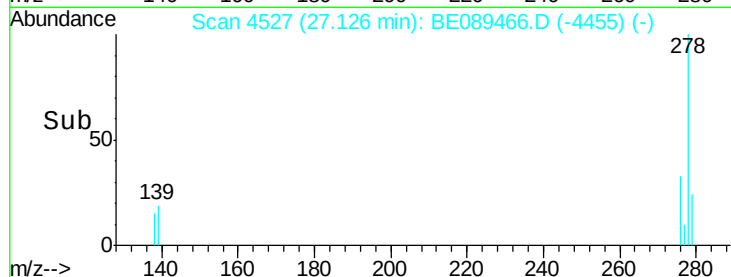
Tgt Ion: 278 Resp: 1460983

Ion Ratio Lower Upper

278 100

139 18.9 17.1 25.7

279 24.0 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

