

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089477.D
 Acq On : 3 Feb 2015 6:15
 Operator : TP/IZ
 Sample : G1110-15
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 06:56:09 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 06:25:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	58017	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	201942	5.00	ng	0.01
13) Acenaphthene-d10	16.68	164	104235	5.00	ng	0.00
17) Phenanthrene-d10	20.00	188	245349	5.00	ng	0.00
20) Chrysene-d12	23.85	240	363776	5.00	ng	0.00
27) Perylene-d12	25.57	264	397947	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.80	112	70504	3.63	ng	0.03
4) Phenol-d6	8.93	99	48438	2.14	ng	0.04
8) Nitrobenzene-d5	10.86	82	127508	8.69	ng	0.00
14) 2,4,6-Tribromophenol	18.60	330	62689	23.86	ng	0.00
15) 2-Fluorobiphenyl	15.14	172	198720	6.82	ng	0.00
22) Terphenyl-d14	22.49	244	421286	10.24	ng	0.00

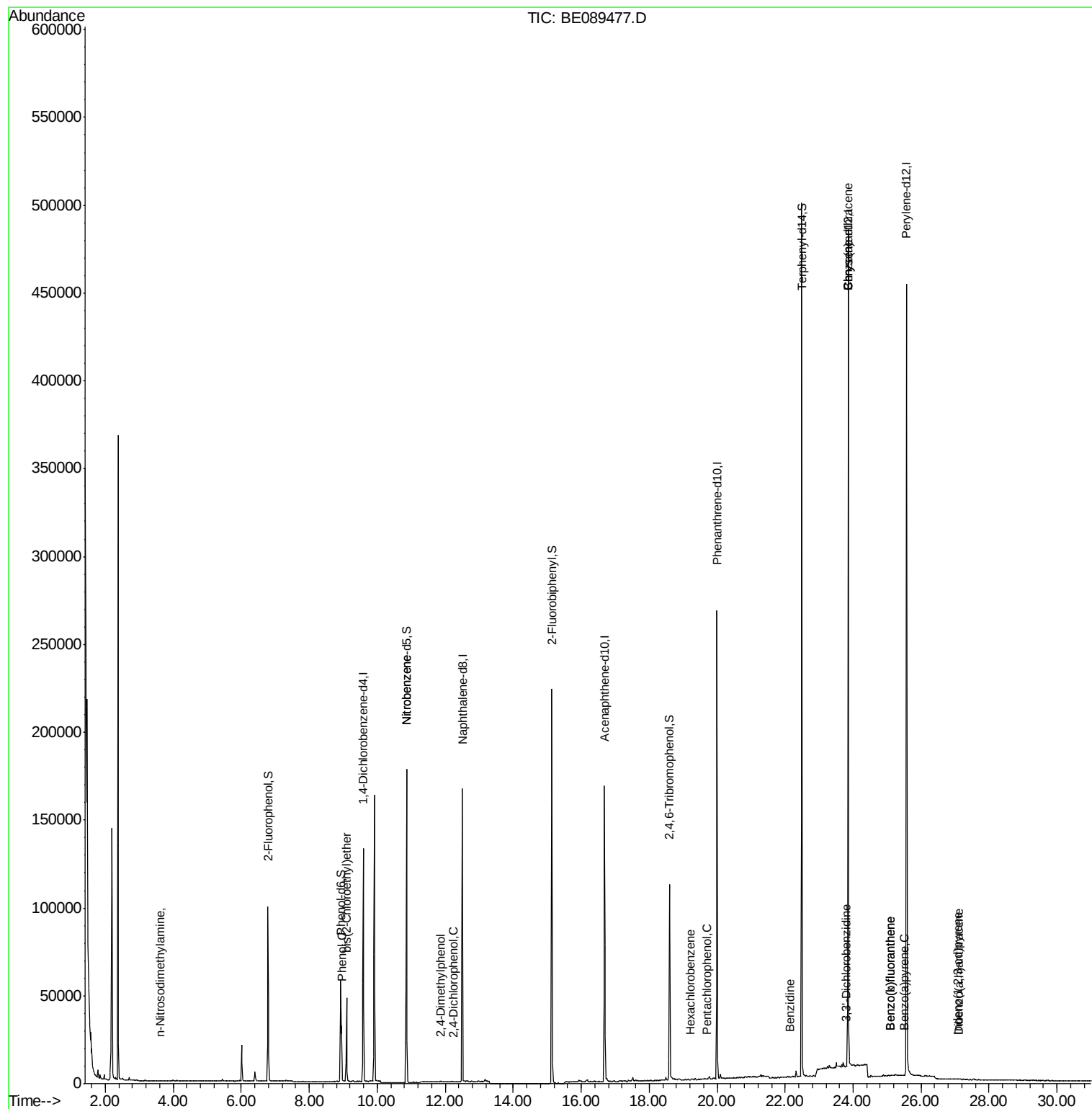
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.62	42	27	0.11	ng	# 1
5) Phenol	8.95	94	15956	0.65	ng	94
6) bis(2-Chloroethyl)ether	9.09	93	342	0.02	ng	# 1
9) Nitrobenzene	10.86	77	553	0.03	ng	# 28
10) 2,4-Dimethylphenol	11.86	122	236	0.02	ng	# 80
11) 2,4-Dichlorophenol	12.24	162	38	0.00	ng	# 3
16) 2,4-Dinitrophenol	16.94	184	22	Below Cal		# 1
18) Hexachlorobenzene	19.21	284	12	0.00	ng	# 1
19) Pentachlorophenol	19.69	266	68	0.12	ng	98
21) Benzidine	22.13	184	50	0.32	ng	# 1
23) Benzo(a)anthracene	23.85	228	8202	0.03	ng	# 47
24) 3,3'-Dichlorobenzidine	23.80	252	183	0.20	ng	# 42
25) Chrysene	23.85	228	8322	0.02	ng	# 52
26) Indeno(1,2,3-cd)pyrene	27.08	276	747	0.22	ng	# 68
28) Benzo(b)fluoranthene	25.11	252	422	0.26	ng	# 1
29) Benzo(k)fluoranthene	25.11	252	422	0.00	ng	# 1
30) Benzo(a)pyrene	25.50	252	338	0.23	ng	# 1
31) Dibenzo(a,h)anthracene	27.11	278	273	0.22	ng	# 1

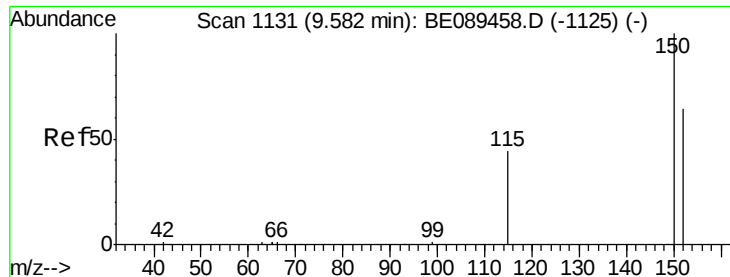
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.59 min Scan# 1133

Delta R.T. 0.01 min

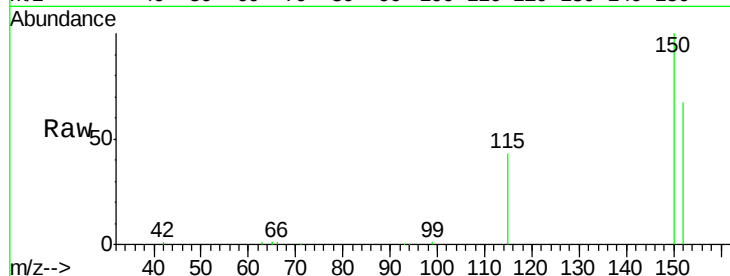
Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

Instrument :

BNA_E

ClientSampleId :



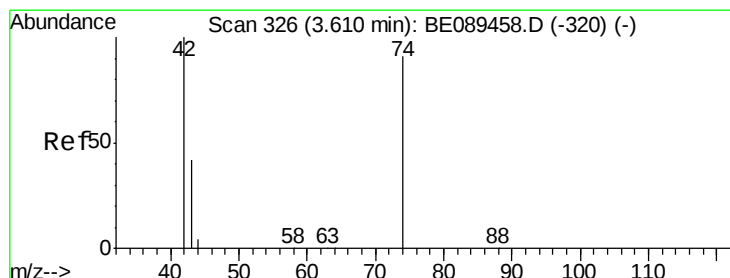
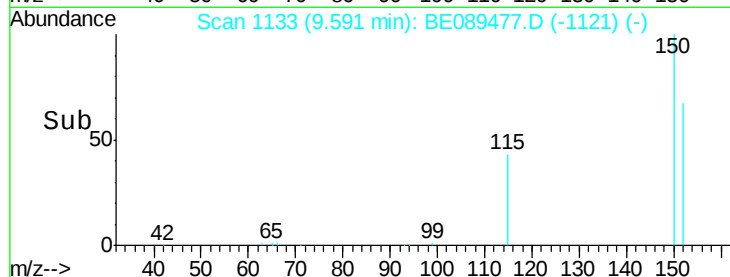
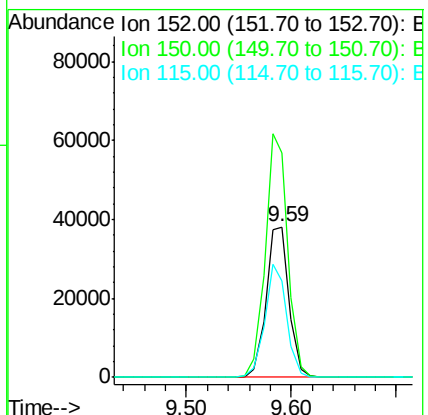
Tgt Ion:152 Resp: 58017

Ion Ratio Lower Upper

152 100

150 149.4 124.6 186.8

115 63.7 55.4 83.0



#2

n-Nitrosodimethylamine

Concen: 0.11 ng

RT: 3.62 min Scan# 328

Delta R.T. 0.01 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

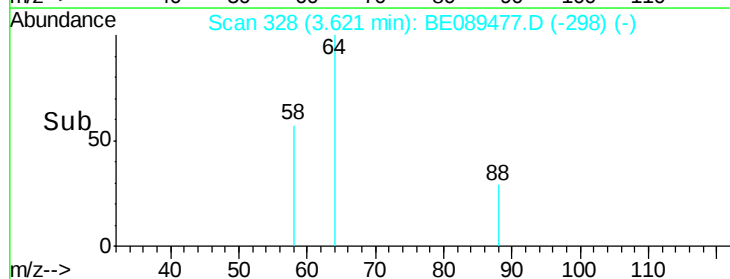
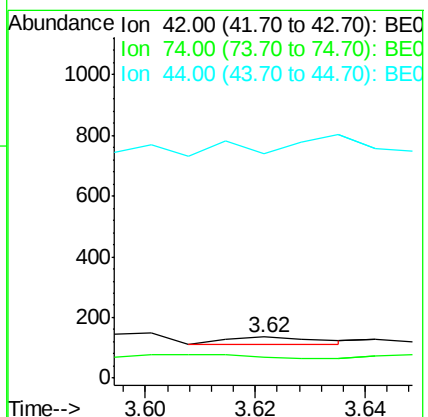
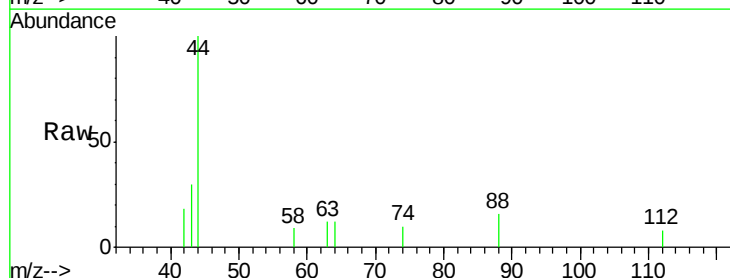
Tgt Ion: 42 Resp: 27

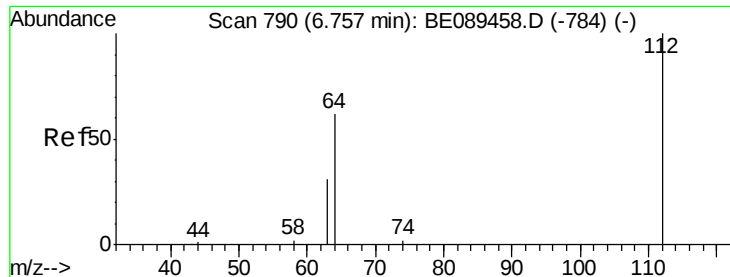
Ion Ratio Lower Upper

42 100

74 52.6 72.1 108.1#

44 549.6 28.0 42.0#





#3

2-Fluorophenol

Concen: 3.63 ng

RT: 6.80 min Scan# 796

Delta R.T. 0.03 min

Lab File: BE089477.D

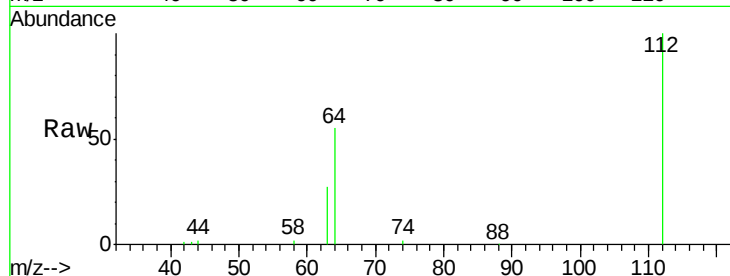
Acq: 3 Feb 2015 6:15

Instrument :

BNA_E

ClientSampleId :

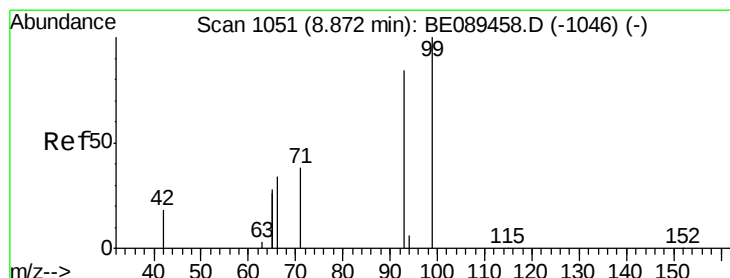
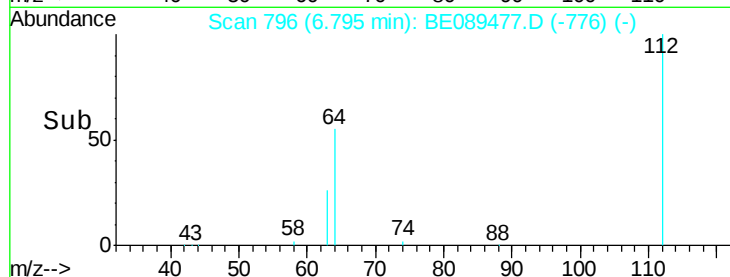
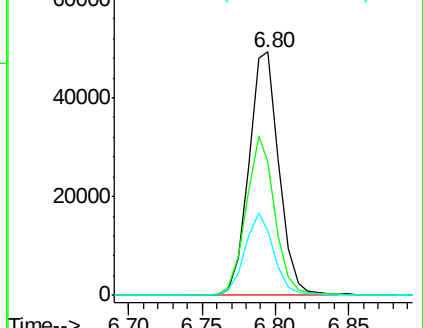
Tgt Ion:	112	Resp:	70504
Ion	Ratio	Lower	Upper
112	100		
64	54.6	49.8	74.8
63	26.6	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#4

Phenol-d6

Concen: 2.14 ng

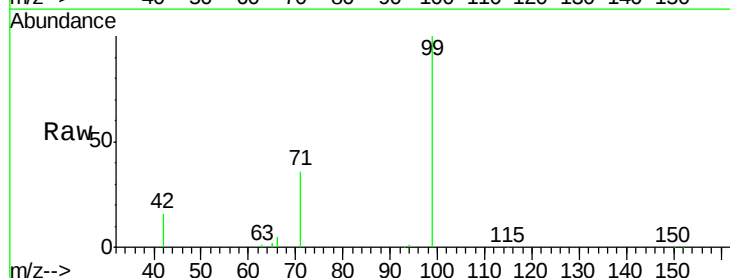
RT: 8.93 min Scan# 1058

Delta R.T. 0.04 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

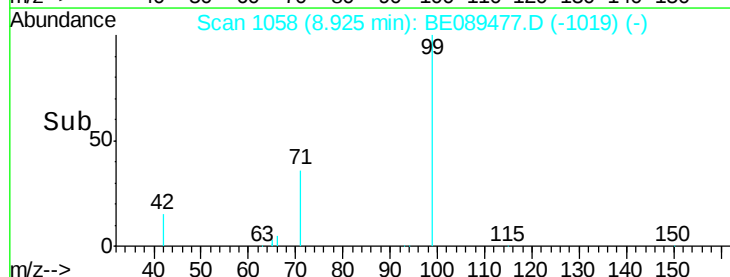
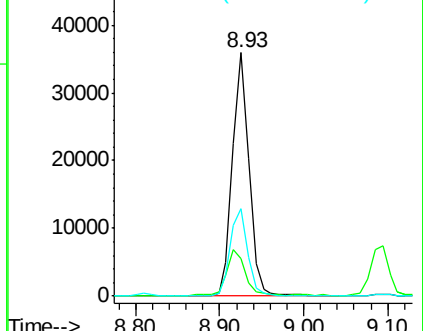
Tgt Ion:	99	Resp:	48438
Ion	Ratio	Lower	Upper
99	100		
42	15.6	15.0	22.4
71	36.1	30.6	46.0

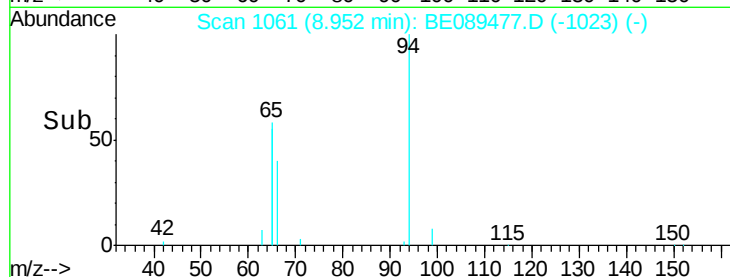
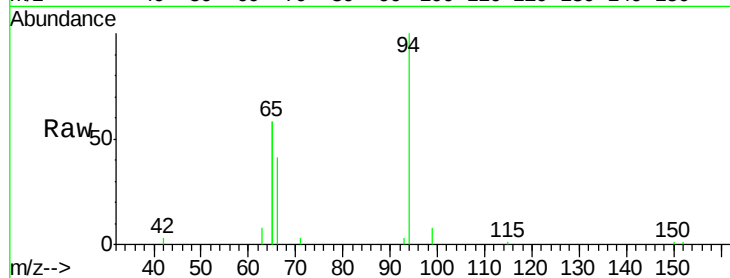
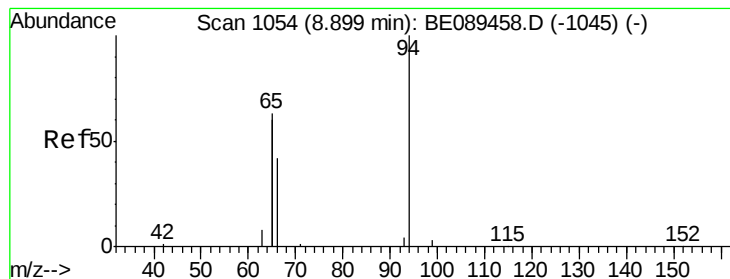


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.65 ng

RT: 8.95 min Scan# 1061

Delta R.T. 0.04 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

Instrument :

BNA_E

ClientSampleId :

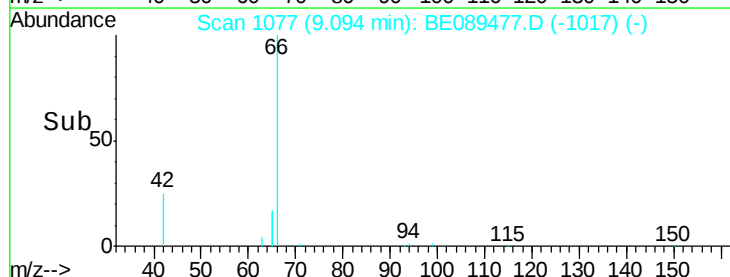
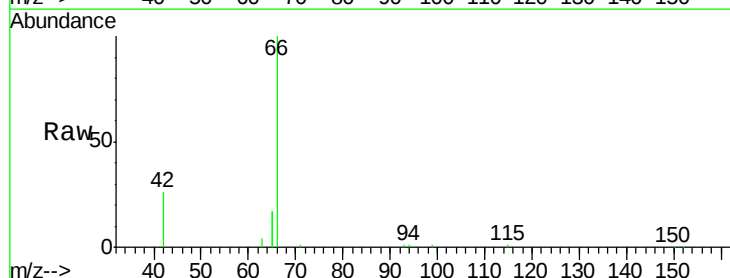
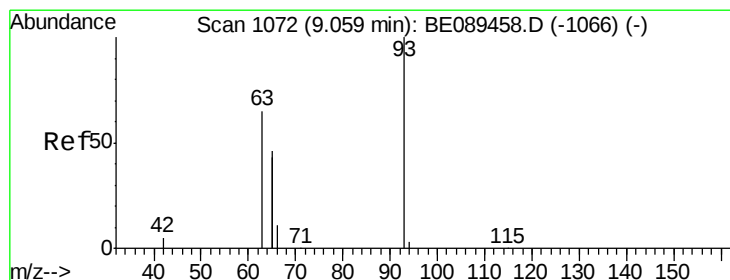
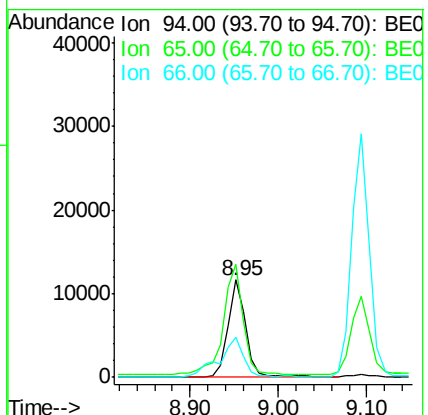
Tgt Ion: 94 Resp: 15956

Ion Ratio Lower Upper

94 100

65 116.2 105.0 145.0

66 40.8 22.4 62.4



#6

bis(2-Chloroethyl)ether

Concen: 0.02 ng

RT: 9.09 min Scan# 1077

Delta R.T. 0.04 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

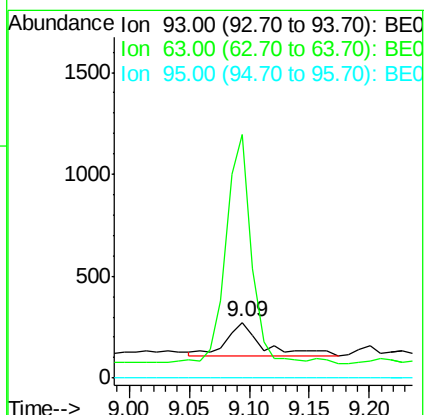
Tgt Ion: 93 Resp: 342

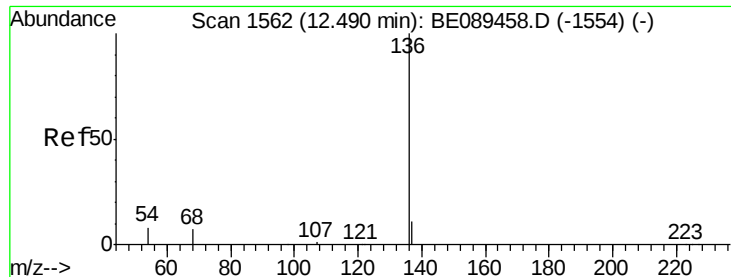
Ion Ratio Lower Upper

93 100

63 494.4 59.2 88.8#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

Instrument :

BNA_E

ClientSampleId :

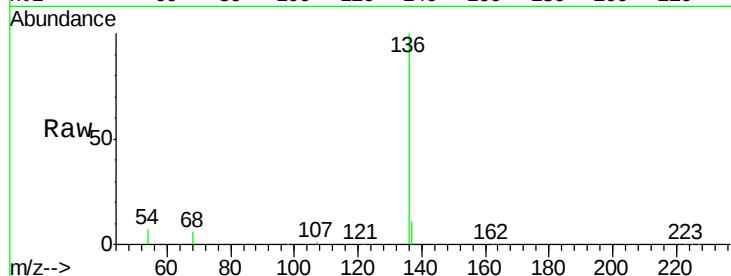
Tgt Ion: 136 Resp: 201942

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

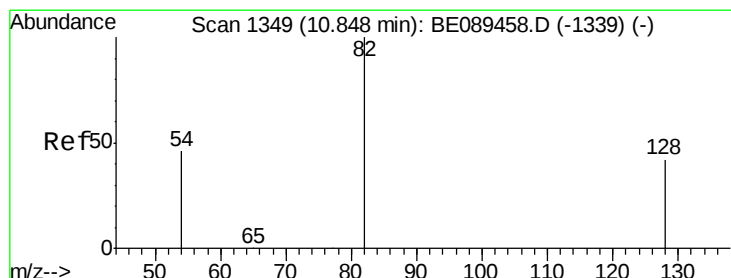
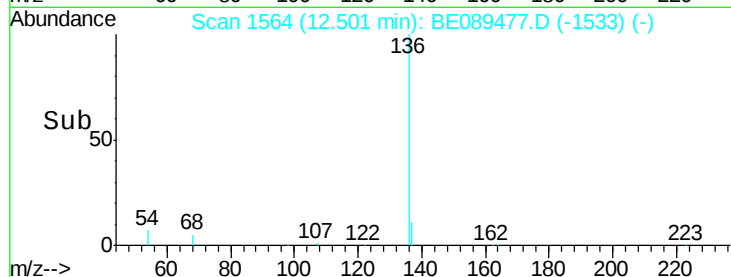
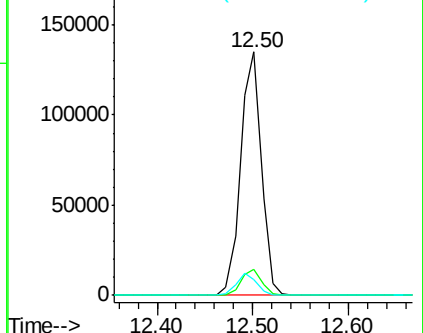
54 6.7 6.5 9.7



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: 8.69 ng

RT: 10.86 min Scan# 1352

Delta R.T. 0.01 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

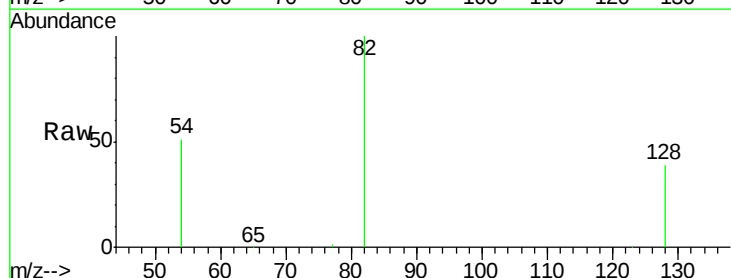
Tgt Ion: 82 Resp: 127508

Ion Ratio Lower Upper

82 100

128 39.3 34.2 51.2

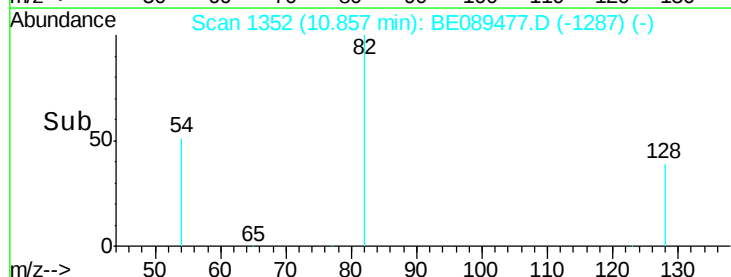
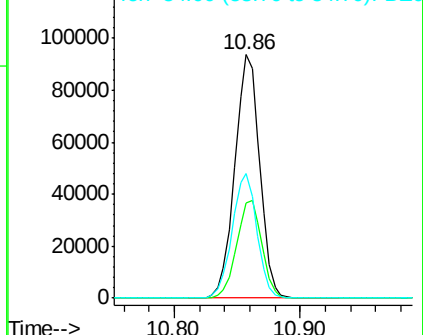
54 51.0 37.3 55.9

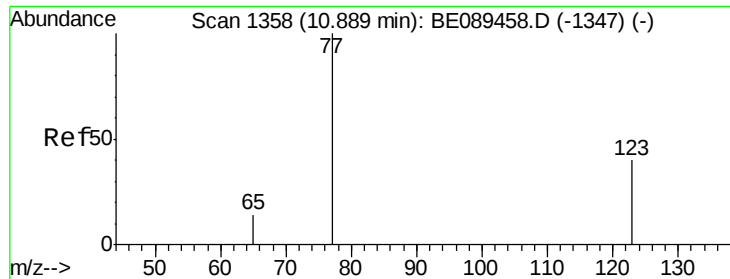


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.03 ng

RT: 10.86 min Scan# 1352

Delta R.T. -0.03 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

Instrument :

BNA_E

ClientSampleId :

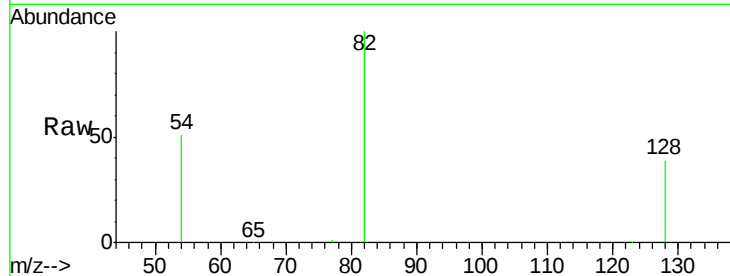
Tgt Ion: 77 Resp: 553

Ion Ratio Lower Upper

77 100

123 0.0 33.6 50.4#

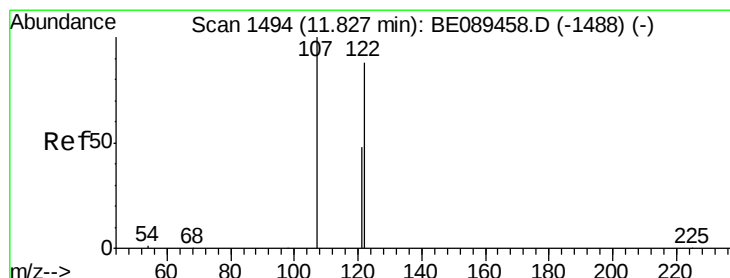
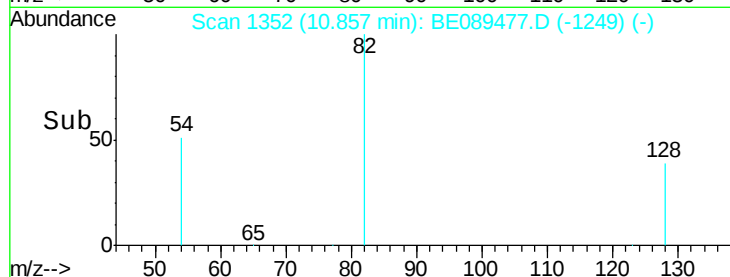
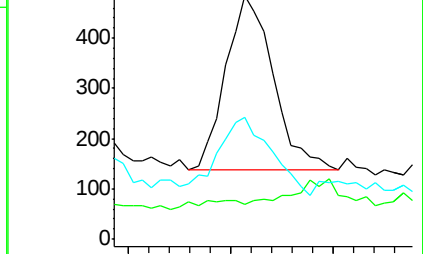
65 49.4 11.0 16.6#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 0.02 ng

RT: 11.86 min Scan# 1498

Delta R.T. 0.03 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

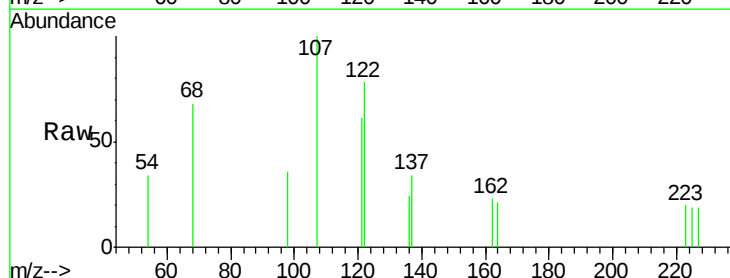
Tgt Ion: 122 Resp: 236

Ion Ratio Lower Upper

122 100

107 127.8 90.6 136.0

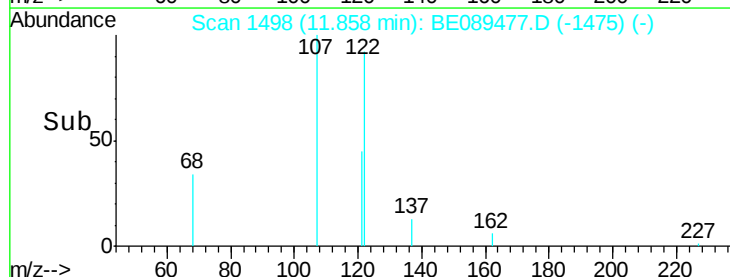
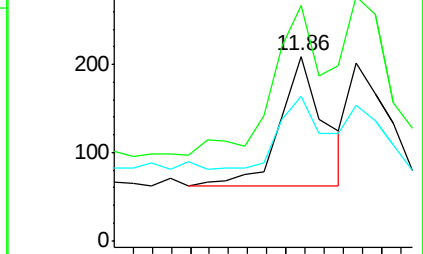
121 78.5 43.7 65.5#

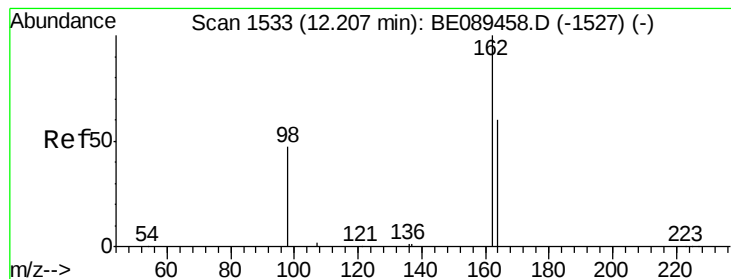


Abundance Ion 122.00 (121.70 to 122.70): BE0

Ion 107.00 (106.70 to 107.70): BE0

Ion 121.00 (120.70 to 121.70): BE0





#11

2,4-Dichlorophenol

Concen: 0.00 ng

RT: 12.24 min Scan# 1537

Delta R.T. 0.02 min

Lab File: BE089477.D

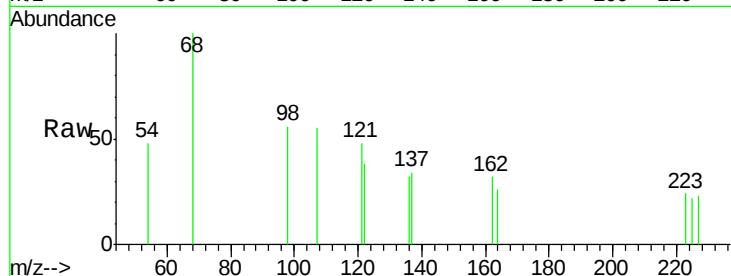
Acq: 3 Feb 2015 6:15

Instrument :

BNA_E

ClientSampleId :

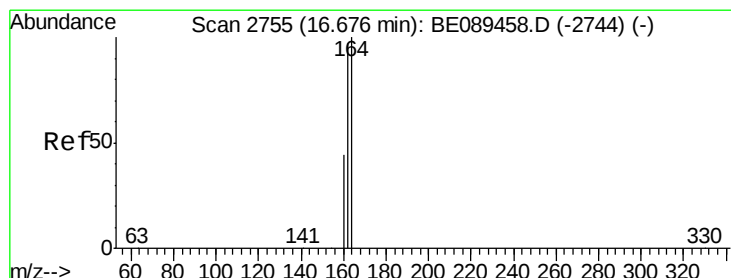
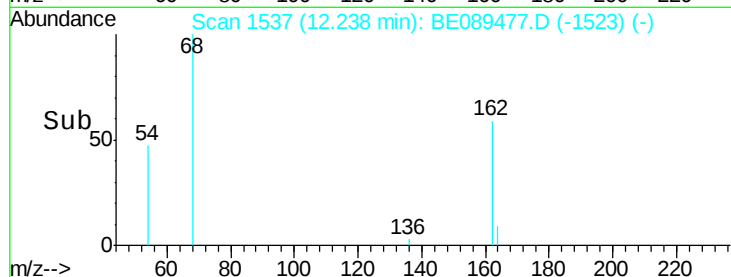
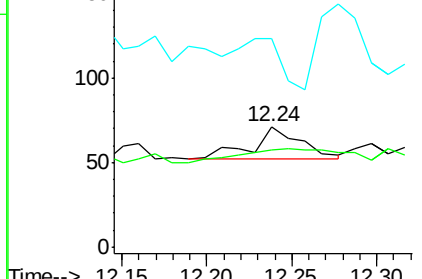
Tgt Ion:	162	Resp:	38
Ion Ratio	Lower	Upper	
162	100		
164	80.3	40.5	80.5
98	173.2	28.1	68.1#



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



#13

Acenaphthene-d10

Concen: 5.00 ng

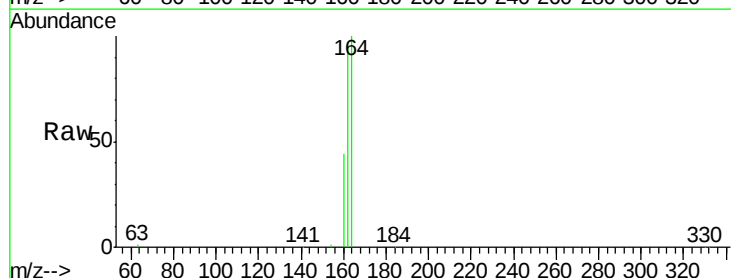
RT: 16.68 min Scan# 2757

Delta R.T. 0.01 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

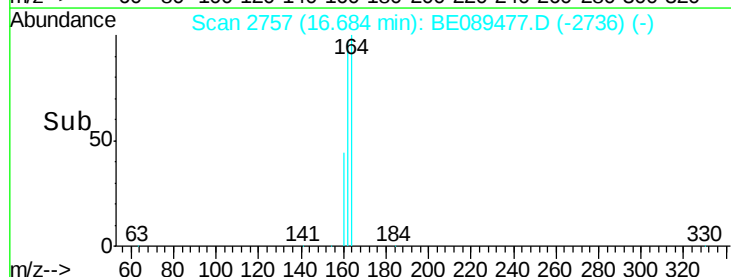
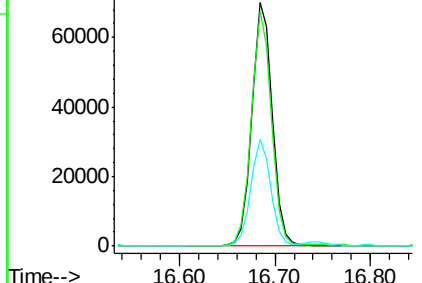
Tgt Ion:	164	Resp:	104235
Ion Ratio	Lower	Upper	
164	100		
162	96.6	77.4	116.2
160	43.9	35.5	53.3

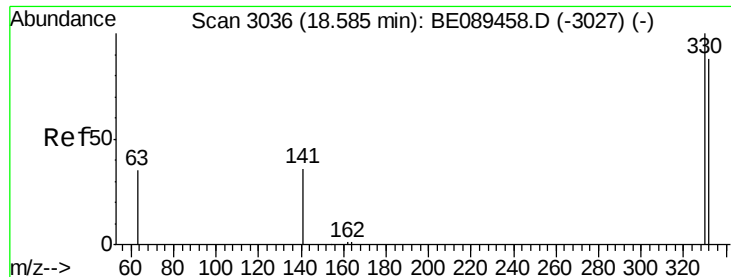


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

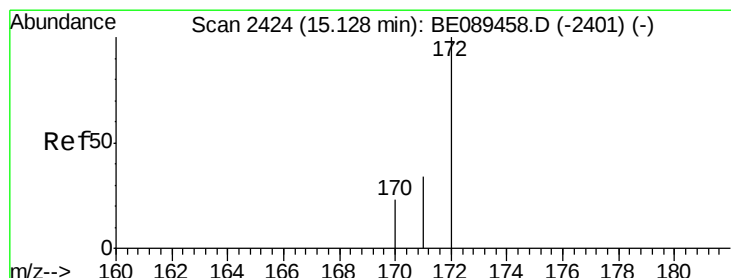
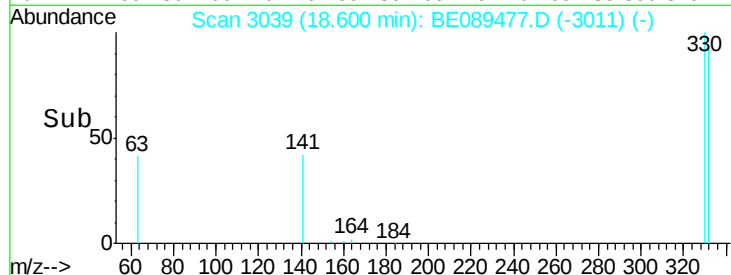
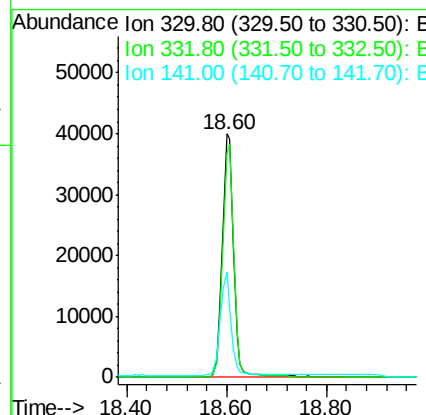
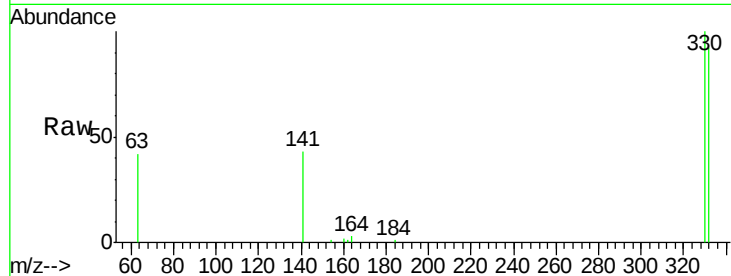




#14
 2,4,6-Tribromophenol
 Concen: 23.86 ng
 RT: 18.60 min Scan# 3039
 Delta R.T. 0.01 min
 Lab File: BE089477.D
 Acq: 3 Feb 2015 6:15

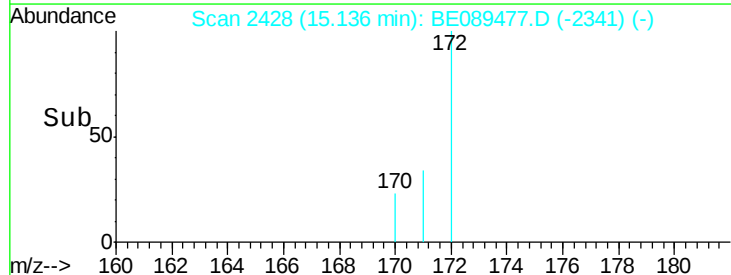
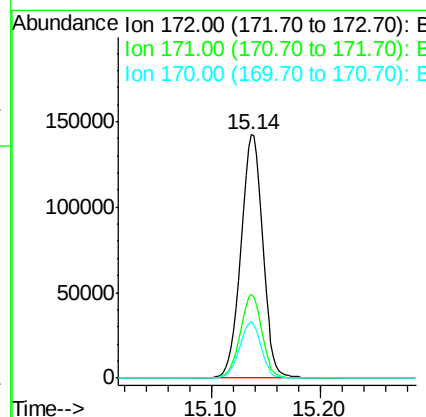
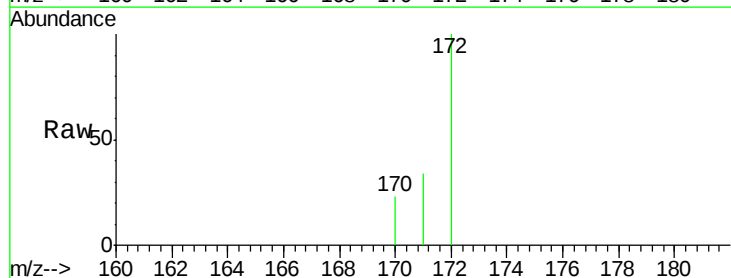
Instrument :
 BNA_E
 ClientSampleId :

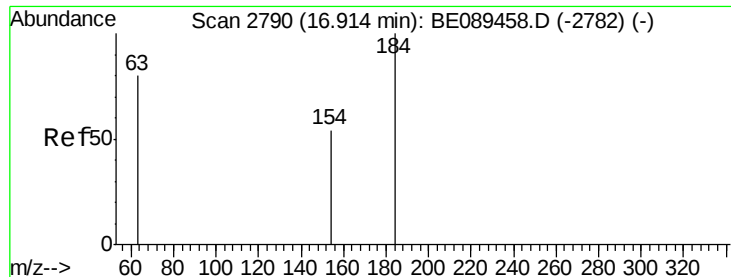
Tgt Ion:330 Resp: 62689
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.4 113.2
 141 40.0 35.7 53.5



#15
 2-Fluorobiphenyl
 Concen: 6.82 ng
 RT: 15.14 min Scan# 2428
 Delta R.T. 0.01 min
 Lab File: BE089477.D
 Acq: 3 Feb 2015 6:15

Tgt Ion:172 Resp: 198720
 Ion Ratio Lower Upper
 172 100
 171 34.4 27.7 41.5
 170 23.3 18.3 27.5

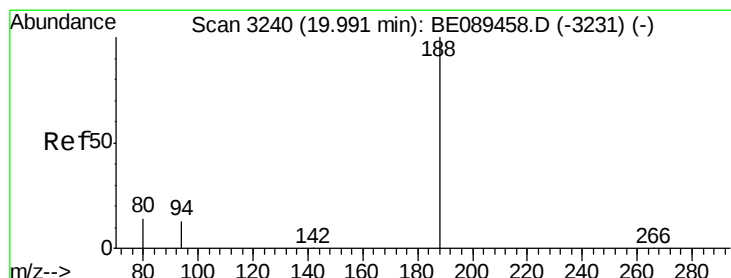
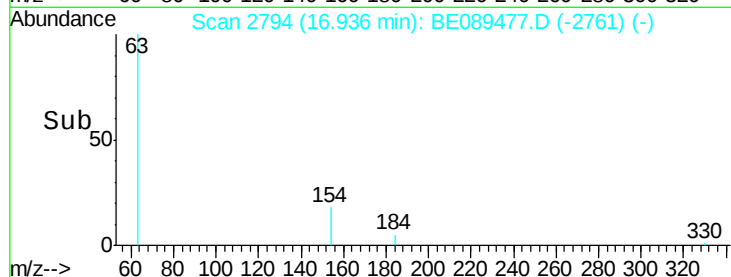
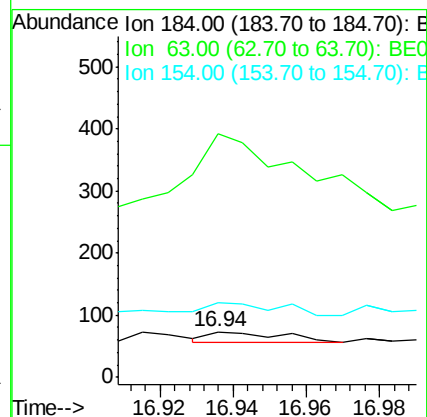
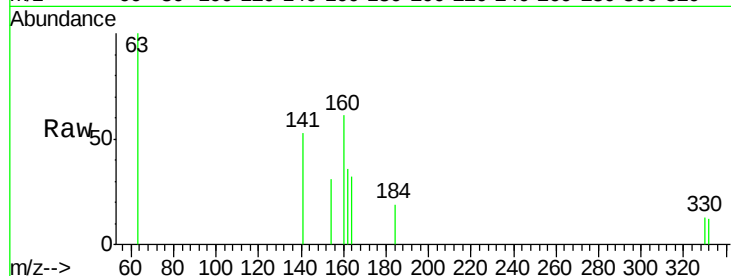




#16
2,4-Dinitrophenol
Concen: Below Cal
RT: 16.94 min Scan# 2794
Delta R.T. 0.01 min
Lab File: BE089477.D
Acq: 3 Feb 2015 6:15

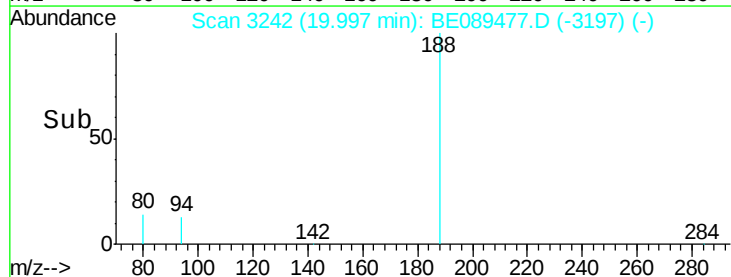
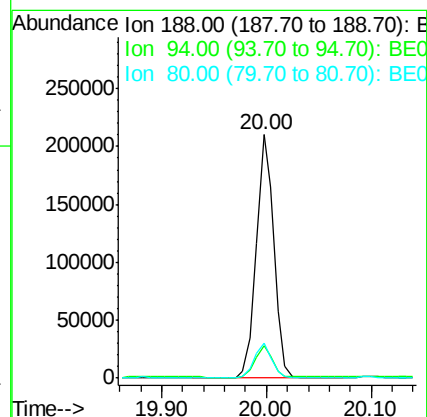
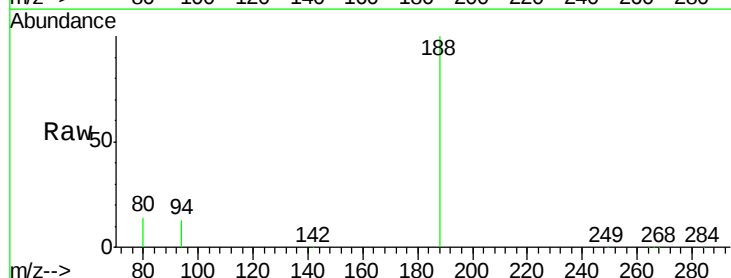
Instrument :
BNA_E
ClientSampleId :

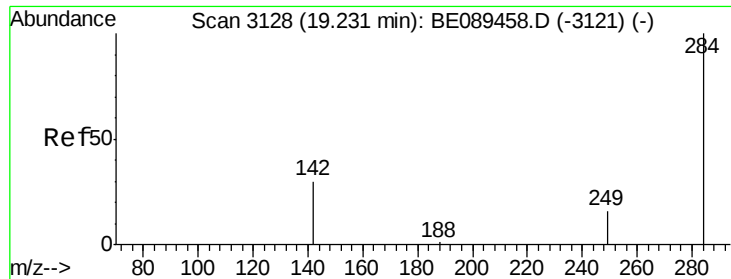
Tgt Ion:184 Resp: 22
Ion Ratio Lower Upper
184 100
63 537.0 77.0 115.6#
154 164.4 54.0 81.0#



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 20.00 min Scan# 3242
Delta R.T. 0.01 min
Lab File: BE089477.D
Acq: 3 Feb 2015 6:15

Tgt Ion:188 Resp: 245349
Ion Ratio Lower Upper
188 100
94 13.4 10.2 15.4
80 14.2 10.9 16.3

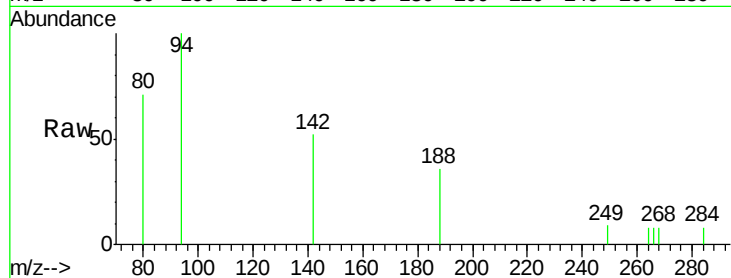




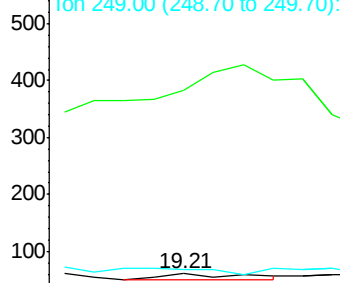
#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 19.21 min Scan# 3126
Delta R.T. -0.02 min
Lab File: BE089477.D
Acq: 3 Feb 2015 6:15

Instrument :
BNA_E
ClientSampled :

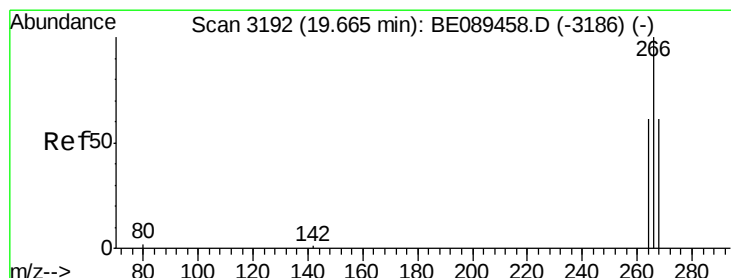
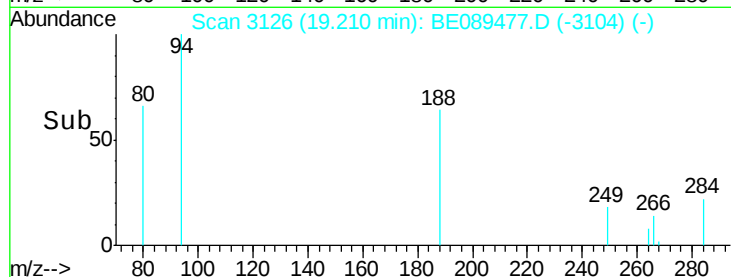
Tgt Ion: 284 Resp: 12
Ion Ratio Lower Upper
284 100
142 627.9 31.8 47.8#
249 113.1 23.5 35.3#



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

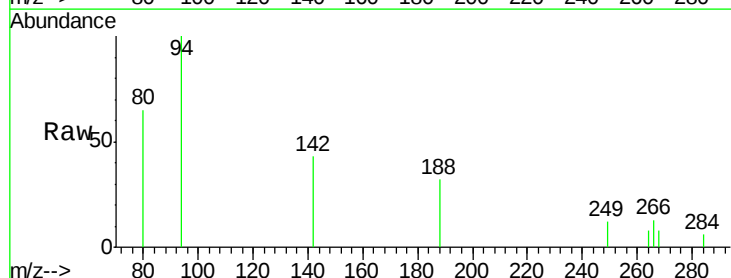


Time--> 19.18 19.20 19.22 19.24

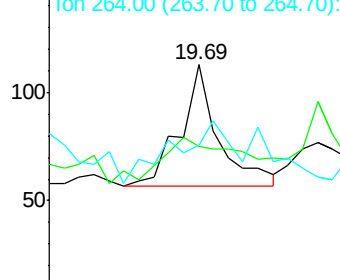


#19
Pentachlorophenol
Concen: 0.12 ng
RT: 19.69 min Scan# 3197
Delta R.T. 0.03 min
Lab File: BE089477.D
Acq: 3 Feb 2015 6:15

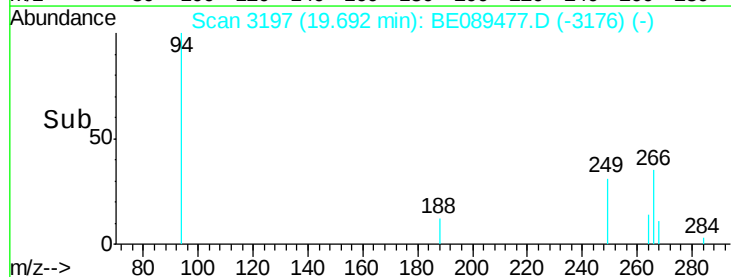
Tgt Ion: 266 Resp: 68
Ion Ratio Lower Upper
266 100
268 66.4 52.6 78.8
264 67.3 52.2 78.2

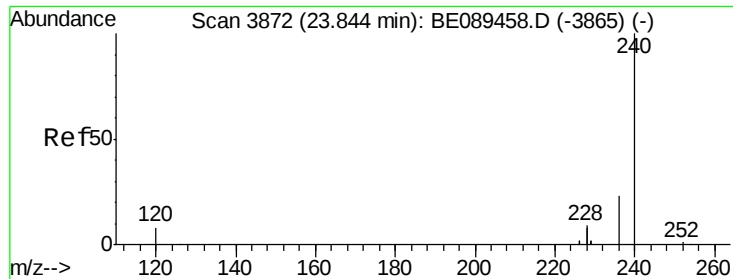


Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



Time--> 19.65 19.70





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.85 min Scan# 3874

Delta R.T. 0.01 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

Instrument :

BNA_E

ClientSampleId :

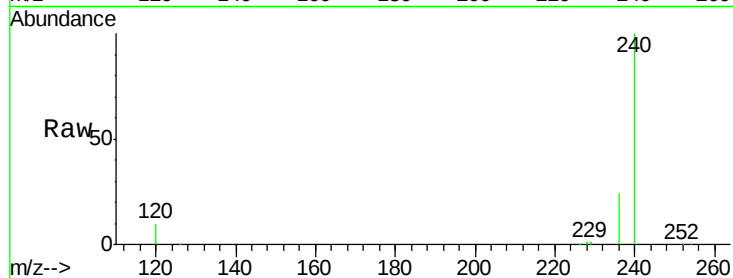
Tgt Ion:240 Resp: 363776

Ion Ratio Lower Upper

240 100

120 10.4 6.2 9.4#

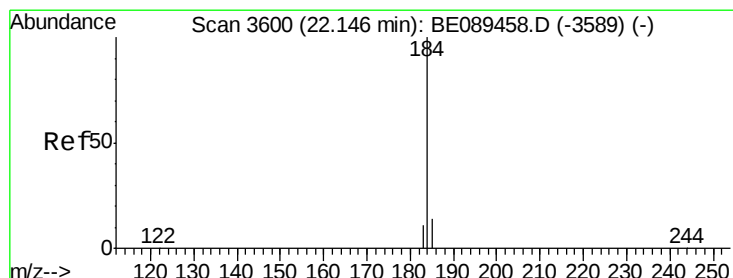
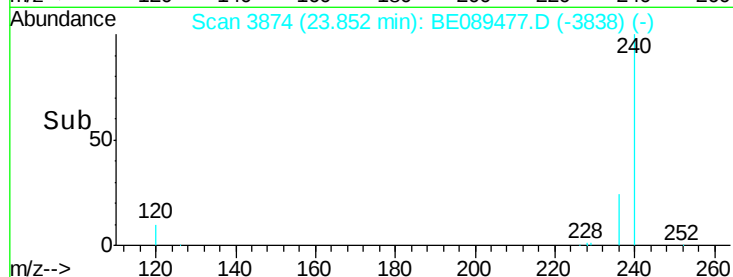
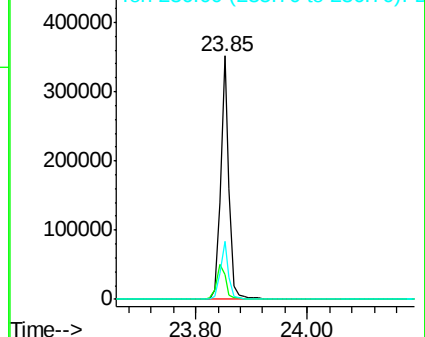
236 24.0 18.2 27.4



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# 3598

Delta R.T. -0.01 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

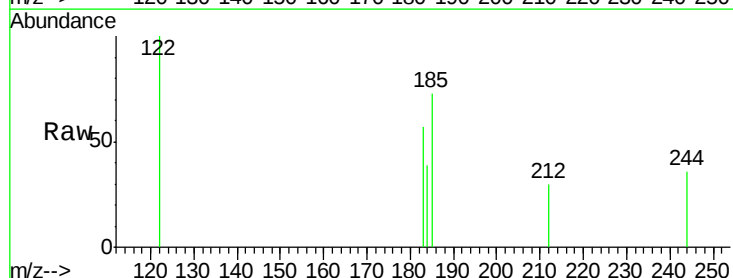
Tgt Ion:184 Resp: 50

Ion Ratio Lower Upper

184 100

185 186.2 11.7 17.5#

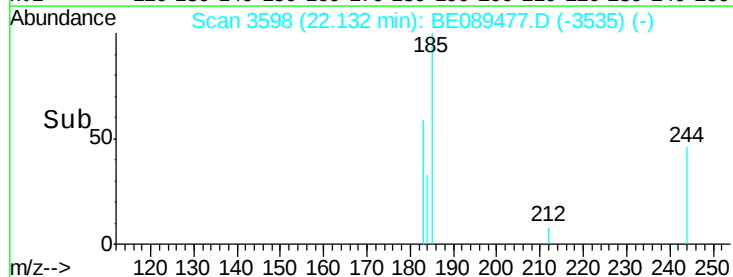
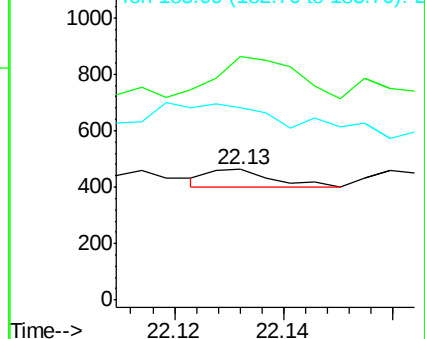
183 147.1 9.4 14.0#

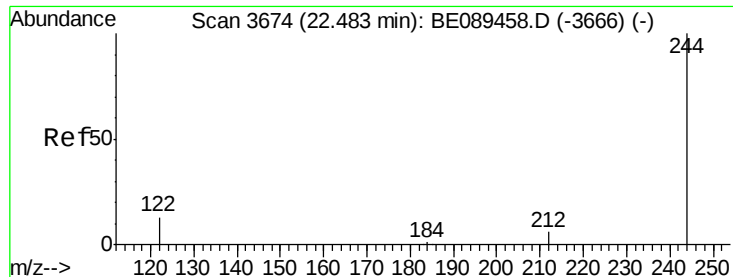


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#22

Terphenyl-d14

Concen: 10.24 ng

RT: 22.49 min Scan# 3677

Delta R.T. 0.01 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

Instrument :

BNA_E

ClientSampleId :

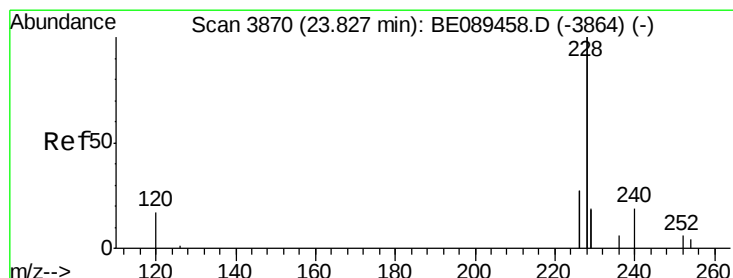
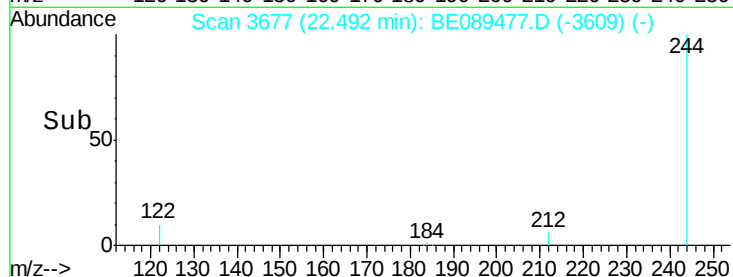
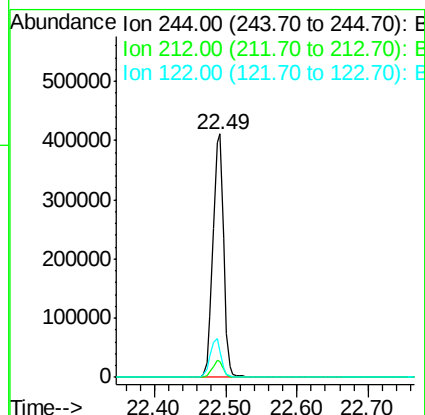
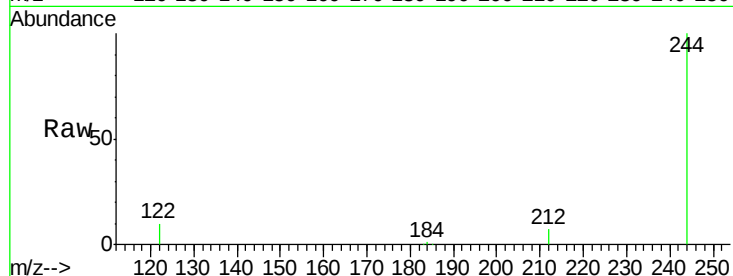
Tgt Ion:244 Resp: 421286

Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

122 10.4 10.5 15.7#



#23

Benzo(a)anthracene

Concen: 0.03 ng

RT: 23.85 min Scan# 3874

Delta R.T. 0.03 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

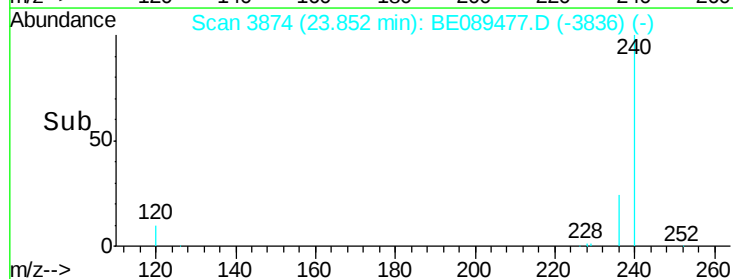
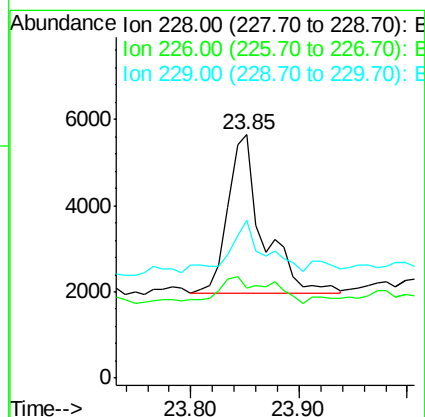
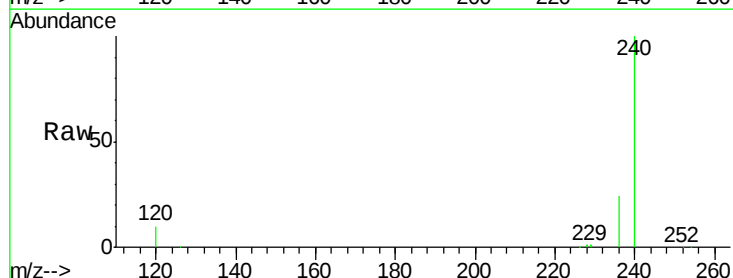
Tgt Ion:228 Resp: 8202

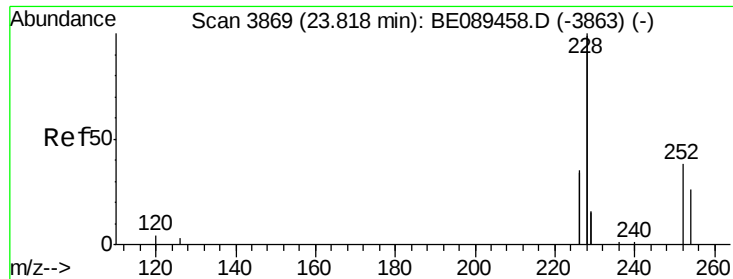
Ion Ratio Lower Upper

228 100

226 36.9 21.7 32.5#

229 64.7 14.8 22.2#

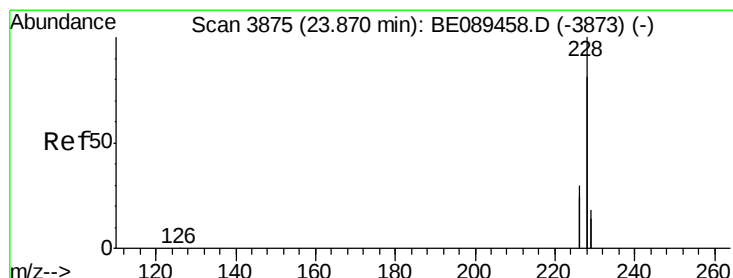
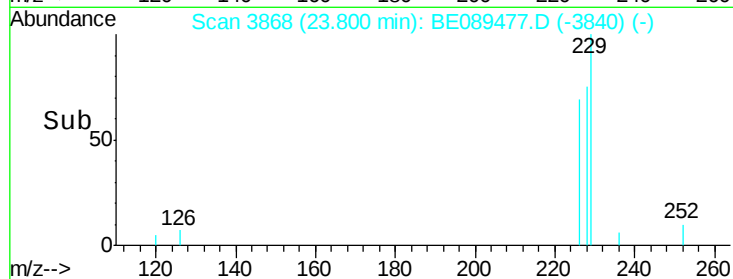
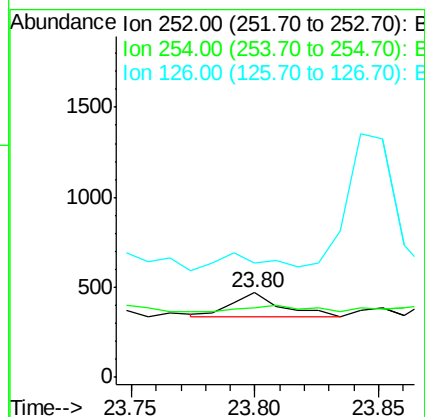
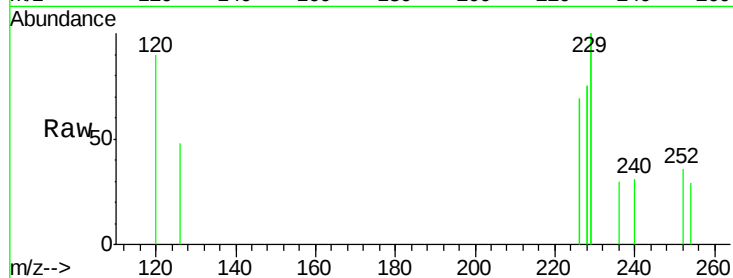




#24
 3,3'-Dichlorobenzidine
 Concen: 0.20 ng
 RT: 23.80 min Scan# 3868
 Delta R.T. -0.02 min
 Lab File: BE089477.D
 Acq: 3 Feb 2015 6:15

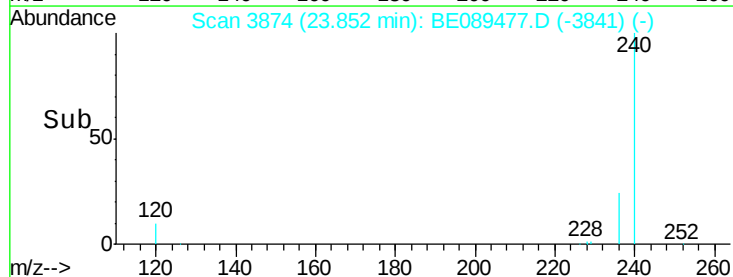
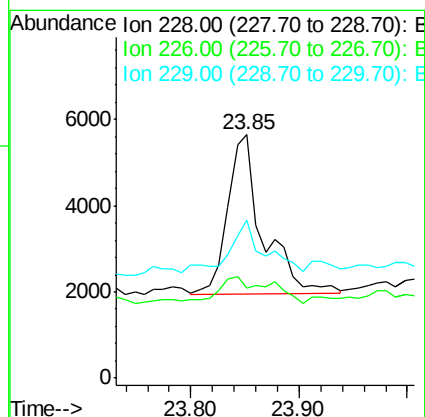
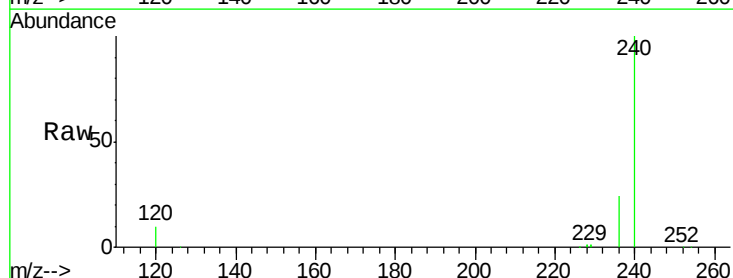
Instrument :
 BNA_E
 ClientSampleId :

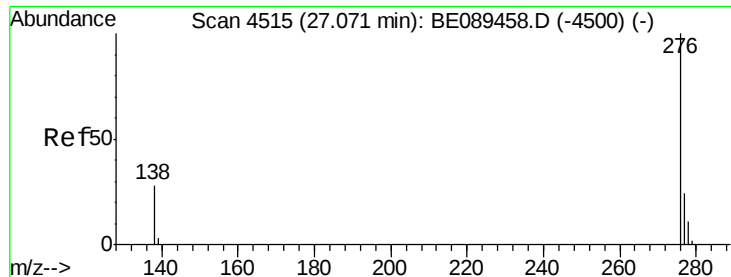
Tgt Ion: 252 Resp: 183
 Ion Ratio Lower Upper
 252 100
 254 81.9 54.6 82.0
 126 135.6 8.0 12.0#



#25
 Chrysene
 Concen: 0.02 ng
 RT: 23.85 min Scan# 3874
 Delta R.T. -0.02 min
 Lab File: BE089477.D
 Acq: 3 Feb 2015 6:15

Tgt Ion: 228 Resp: 8322
 Ion Ratio Lower Upper
 228 100
 226 36.9 23.8 35.8#
 229 64.7 14.3 21.5#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.22 ng

RT: 27.08 min Scan# 4518

Delta R.T. 0.01 min

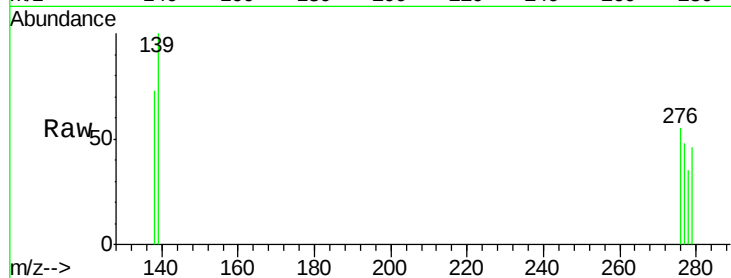
Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

Instrument :

BNA_E

ClientSampleId :



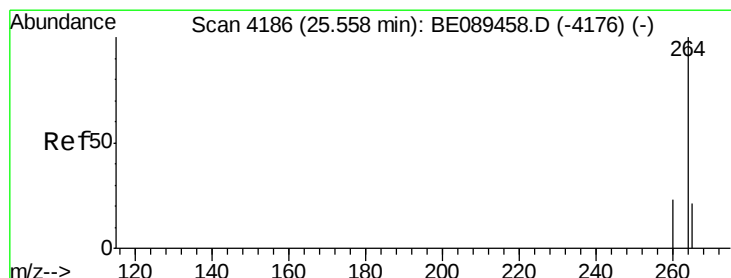
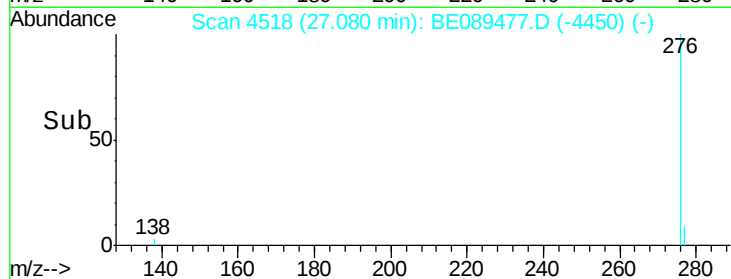
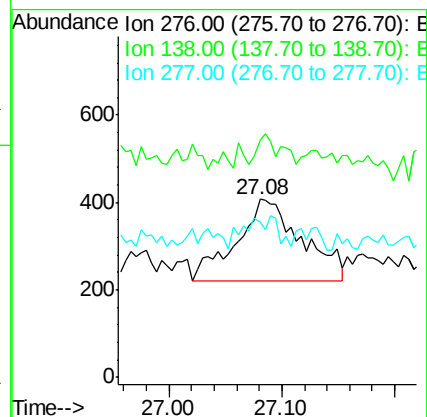
Tgt Ion: 276 Resp: 747

Ion Ratio Lower Upper

276 100

138 7.6 23.3 34.9#

277 13.1 19.0 28.4#



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.57 min Scan# 4190

Delta R.T. 0.01 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

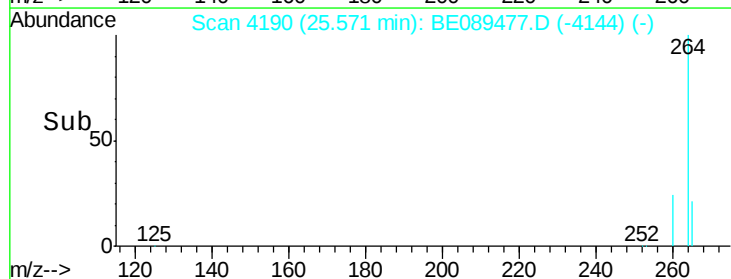
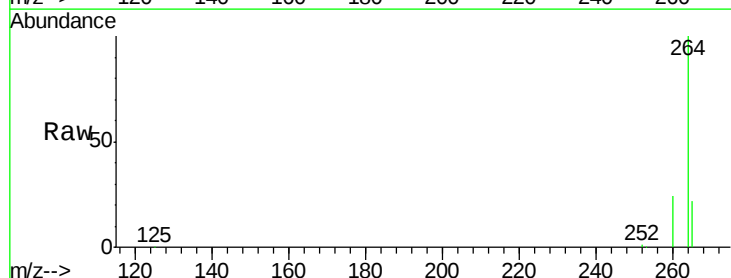
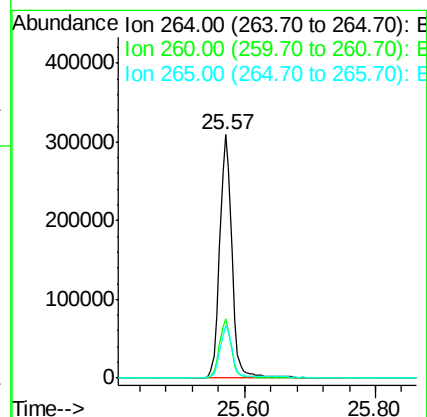
Tgt Ion: 264 Resp: 397947

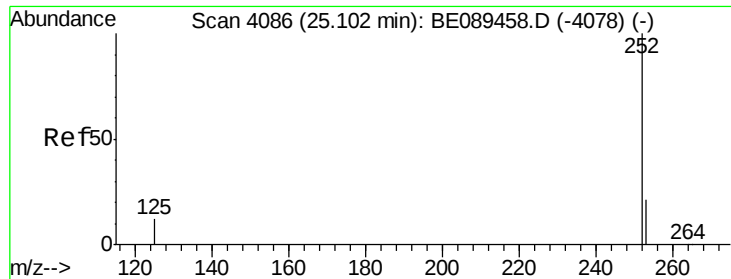
Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 21.7 17.0 25.6





#28

Benzo(b)fluoranthene

Concen: 0.26 ng

RT: 25.11 min Scan# 4088

Delta R.T. 0.00 min

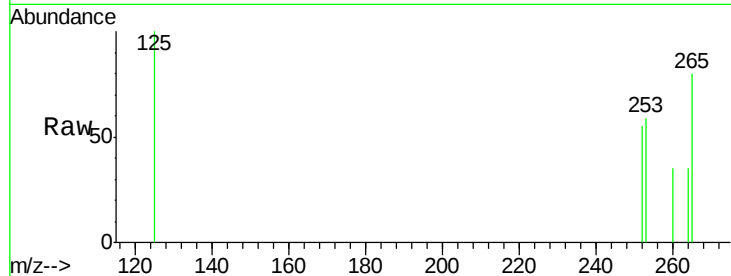
Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

Instrument :

BNA_E

ClientSampleId :



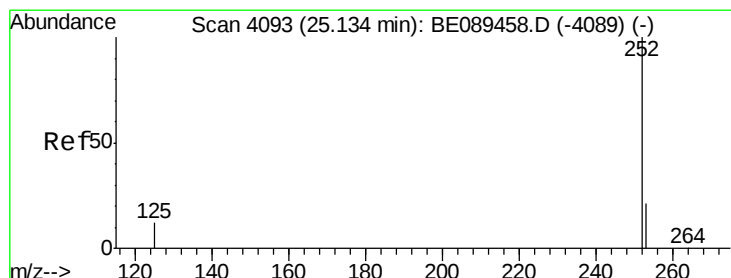
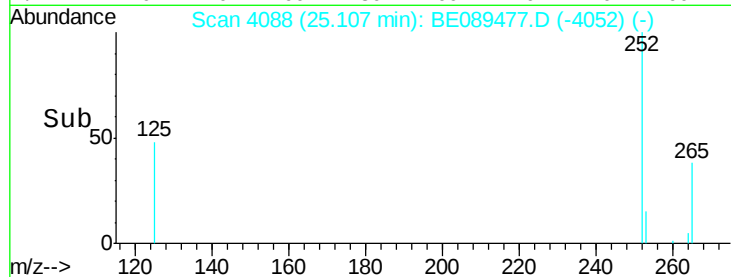
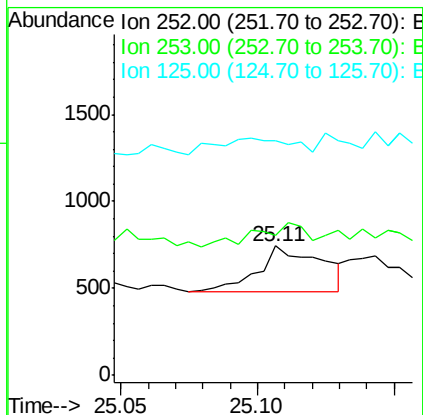
Tgt Ion:252 Resp: 422

Ion Ratio Lower Upper

252 100

253 107.5 17.4 26.0#

125 181.3 10.4 15.6#



#29

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 25.11 min Scan# 4088

Delta R.T. -0.03 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

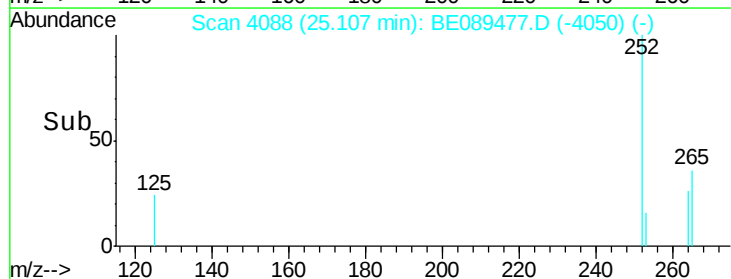
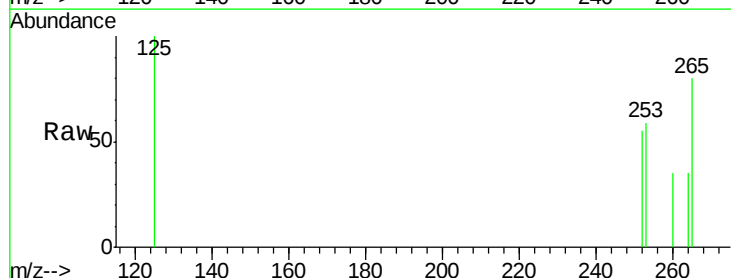
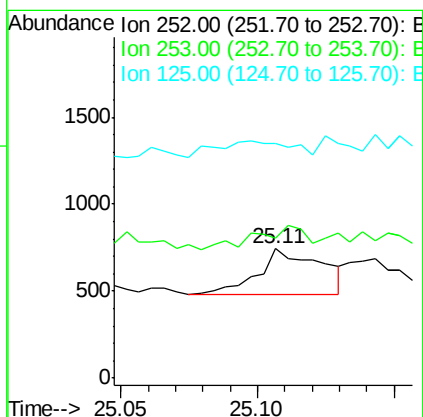
Tgt Ion:252 Resp: 422

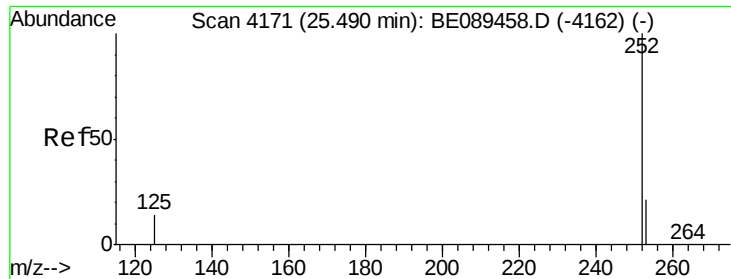
Ion Ratio Lower Upper

252 100

253 107.5 17.5 26.3#

125 181.3 10.3 15.5#





#30

Benzo(a)pyrene

Concen: 0.23 ng

RT: 25.50 min Scan# 4174

Delta R.T. 0.01 min

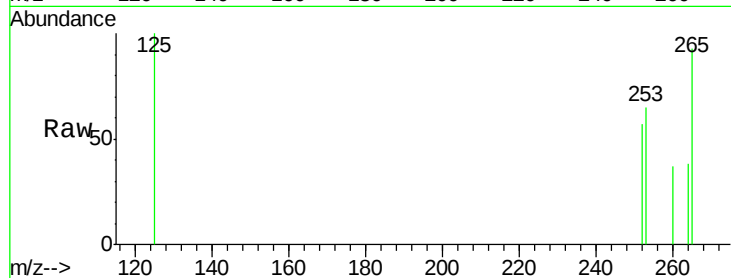
Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

Instrument :

BNA_E

ClientSampleId :



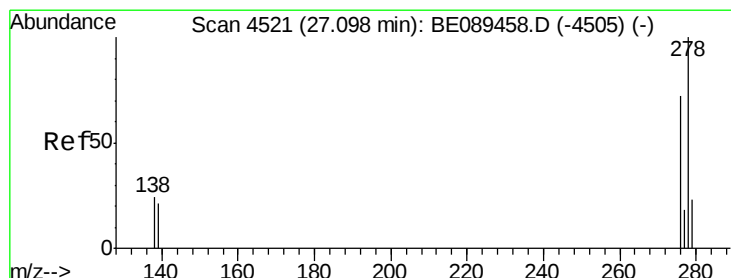
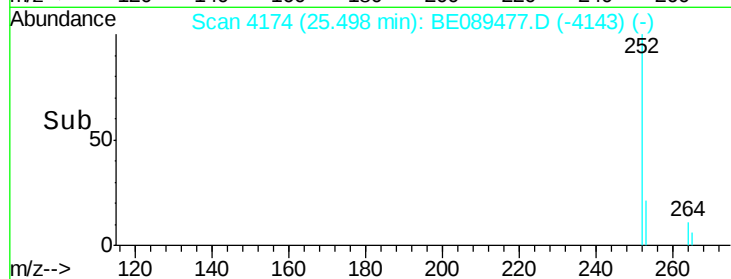
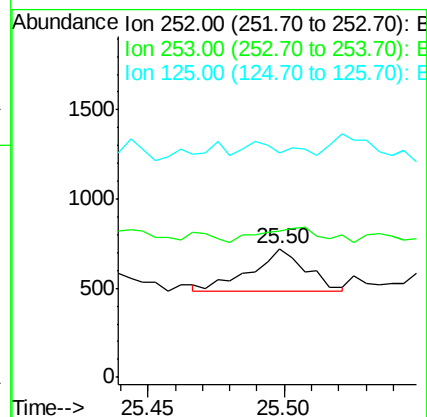
Tgt Ion: 252 Resp: 338

Ion Ratio Lower Upper

252 100

253 113.3 17.5 26.3#

125 174.2 11.8 17.8#



#31

Dibenzo(a,h)anthracene

Concen: 0.22 ng

RT: 27.11 min Scan# 4525

Delta R.T. 0.01 min

Lab File: BE089477.D

Acq: 3 Feb 2015 6:15

Tgt Ion: 278 Resp: 273

Ion Ratio Lower Upper

278 100

139 200.0 17.1 25.7#

279 101.1 18.8 28.2#

