

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092007.D
 Acq On : 22 Jul 2016 15:29
 Operator : UM/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE072216

Quant Time: Jul 22 16:29:04 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 15:39:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	19180	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	92992	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	55629	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	145345	5.00	ng	0.00
31) Chrysene-d12	21.76	240	205222	5.00	ng	0.00
40) Perylene-d12	24.16	264	152225	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	1586	0.43	ng	0.00
5) Phenol-d6	7.35	99	2119	0.43	ng	-0.02
9) Nitrobenzene-d5	9.37	82	2287	0.41	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	547	0.46	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	6571	0.45	ng	0.00
34) Terphenyl-d14	20.22	244	9295	0.45	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	1121	0.43	ng	94
3) n-Nitrosodimethylamine	3.82	42	1206	0.42	ng	# 83
6) bis(2-Chloroethyl)ether	7.61	93	2264	0.41	ng	98
7) n-Nitroso-di-n-propylamine	9.00	70	1812	0.39	ng	# 98
10) Nitrobenzene	9.40	77	2430	0.44	ng	# 99
11) bis(2-Chloroethoxy)methane	10.42	93	2754	0.39	ng	# 26
12) Naphthalene	11.04	128	8404	0.40	ng	99
13) Hexachlorobutadiene	11.34	225	1219	0.40	ng	99
14) 2-Methylnaphthalene	12.68	142	5283	0.40	ng	93
18) Acenaphthylene	14.56	152	38944	0.46	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	4309	0.43	ng	# 10
20) Acenaphthene	14.92	154	5630	0.39	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	6790	0.76	ng	# 1
22) Fluorene	15.90	166	7814	0.45	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	4009	0.47	ng	99
25) 4-Bromophenyl-phenylether	16.78	248	2444	0.40	ng	95
26) Hexachlorobenzene	16.90	284	2533	0.41	ng	98
27) Pentachlorophenol	17.26	266	421	0.46	ng	96
28) Phenanthrene	17.63	178	15372	0.41	ng	100
29) Anthracene	17.72	178	13760	0.40	ng	100
30) Fluoranthene	19.65	202	57761	0.38	ng	# 87
32) Benzidine	19.83	184	2918	0.47	ng	# 91
33) Pyrene	19.99	202	60741	0.41	ng	# 64
35) Benzo(a)anthracene	21.79	228	45251	0.98	ng	95
36) 3,3'-Dichlorobenzidine	21.70	252	2703	0.46	ng	# 96
37) Chrysene	21.79	228	45769	0.81	ng	95
38) Bis(2-ethylhexyl)phthalate	21.64	149	15030	0.44	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	61124	0.40	ng	98
41) Benzo(b)fluoranthene	23.42	252	15343	0.38	ng	99
42) Benzo(k)fluoranthene	23.47	252	15891	0.39	ng	96
43) Benzo(a)pyrene	24.05	252	13866	0.37	ng	98
44) Dibenzo(a,h)anthracene	26.70	278	12277	0.37	ng	97
45) Benzo(g,h,i)perylene	27.45	276	52266	0.38	ng	97

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Quant Time: Jul 22 16:29:04 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 22 15:39:27 2016
Response via : Initial Calibration

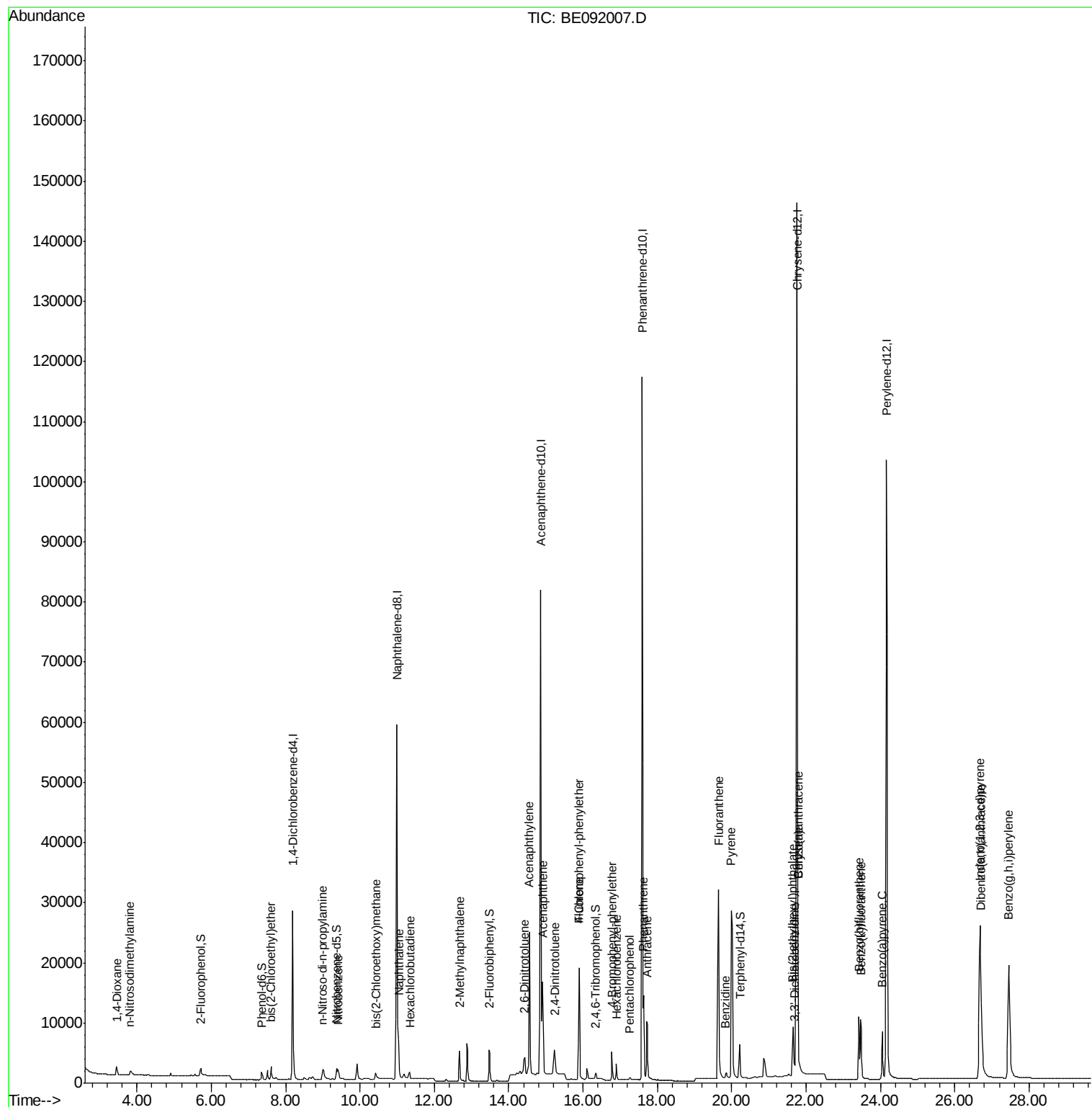
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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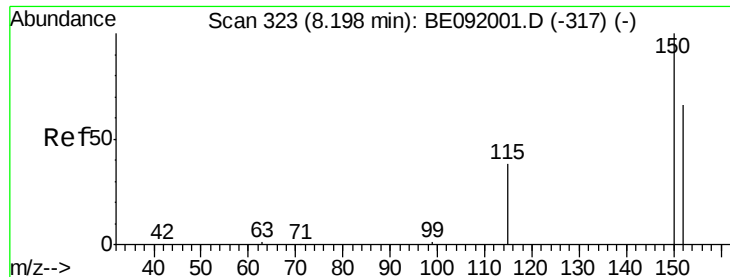
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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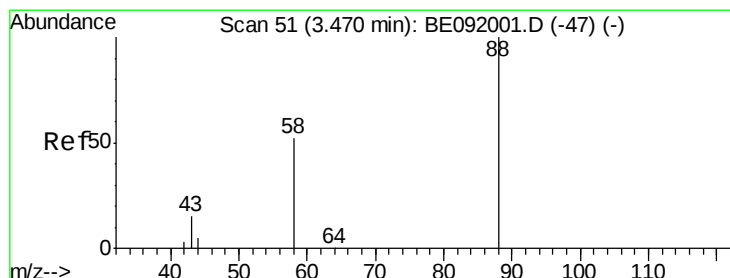
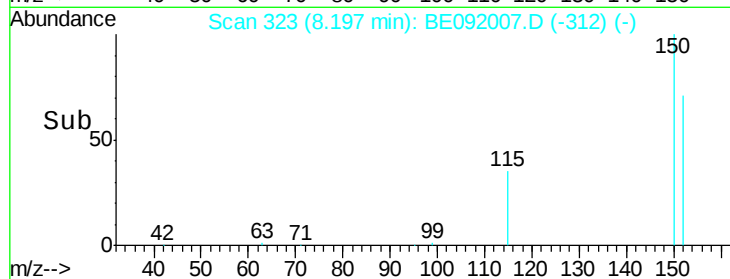
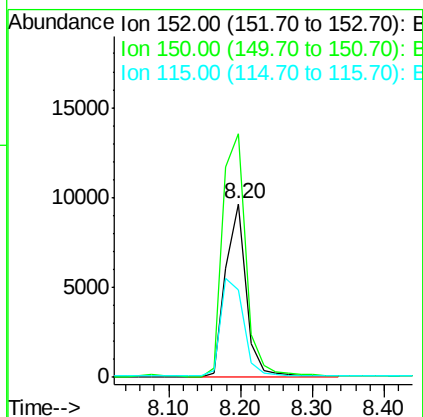
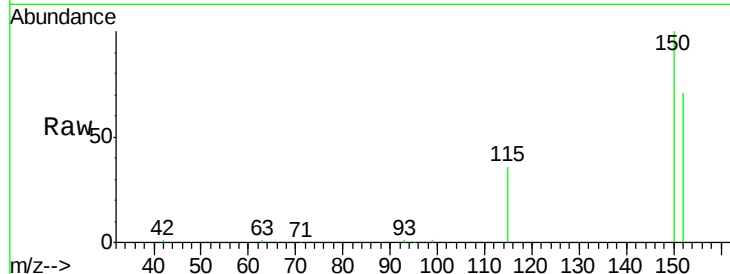




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.20 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: BE092007.D
 Acq: 22 Jul 2016 15:29

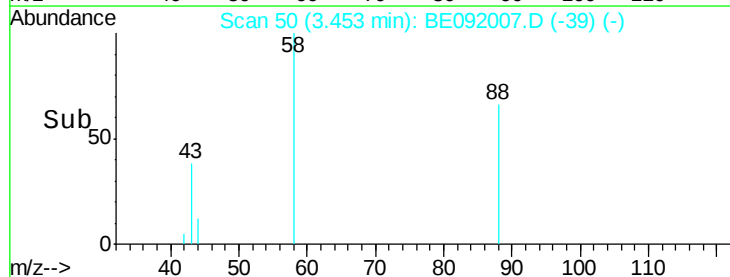
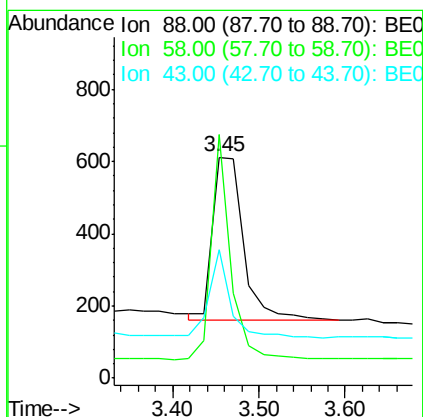
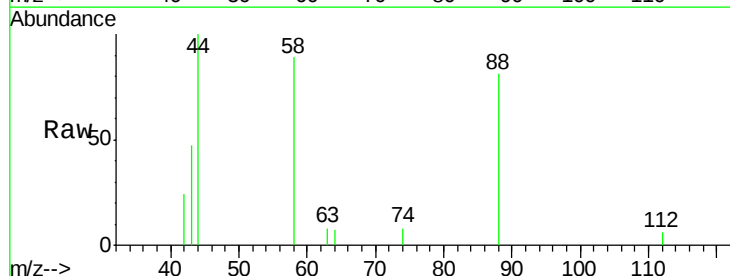
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE072216

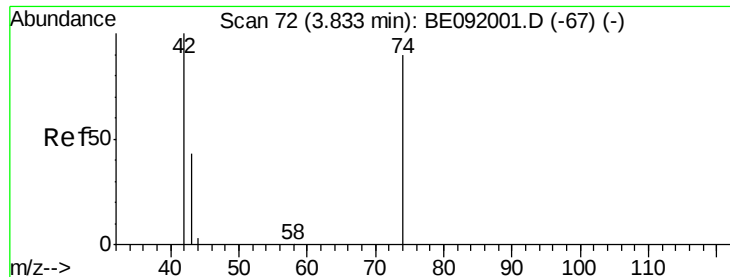
Tgt Ion: 152 Resp: 19180
 Ion Ratio Lower Upper
 152 100
 150 140.1 123.9 185.9
 115 50.2 48.3 72.5



#2
 1,4-Dioxane
 Concen: 0.43 ng
 RT: 3.45 min Scan# 50
 Delta R.T. -0.02 min
 Lab File: BE092007.D
 Acq: 22 Jul 2016 15:29

Tgt Ion: 88 Resp: 1121
 Ion Ratio Lower Upper
 88 100
 58 86.1 63.0 94.4
 43 36.7 29.1 43.7



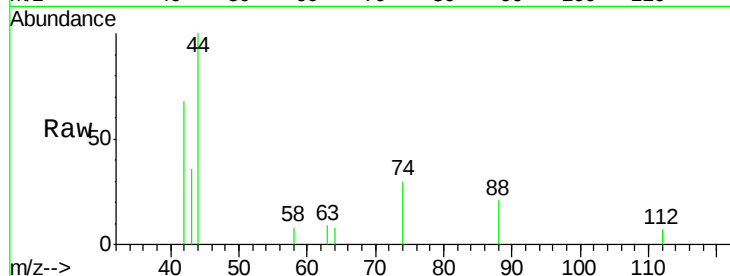


#3

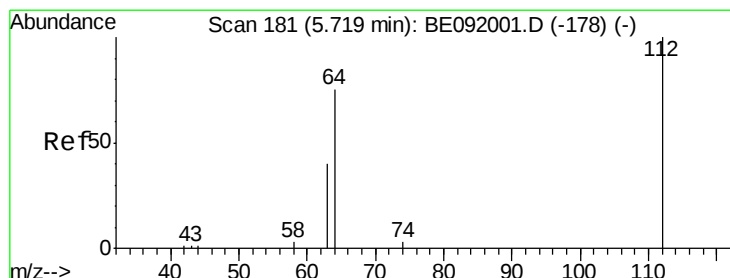
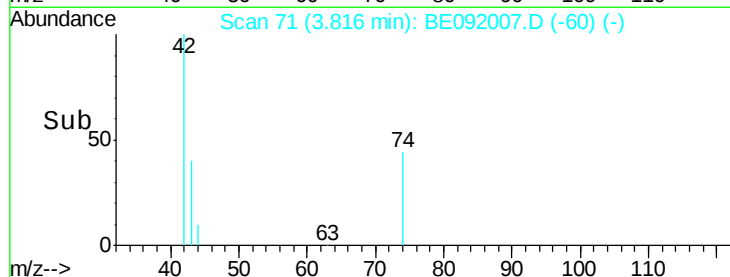
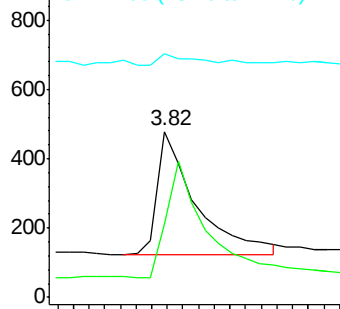
n-Nitrosodimethylamine
Concen: 0.42 ng
RT: 3.82 min Scan# 71
Delta R.T. -0.02 min
Lab File: BE092007.D
Acq: 22 Jul 2016 15:29

Instrument :
BNA_E
ClientSampleId :
ICVBE072216

Tgt Ion: 42 Resp: 1206
Ion Ratio Lower Upper
42 100
74 98.0 93.4 140.0
44 8.2 5.0 7.6#



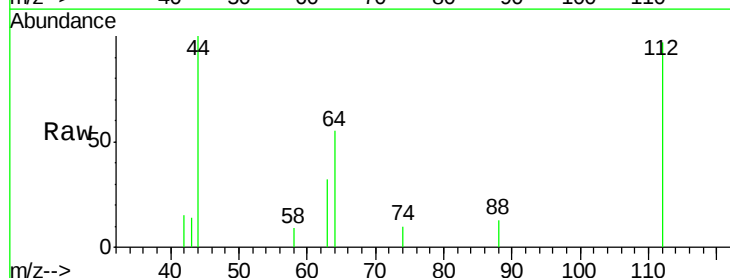
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



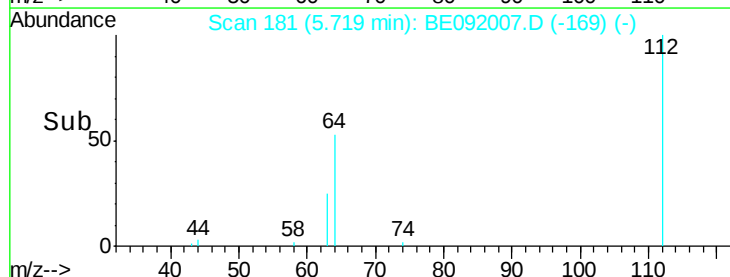
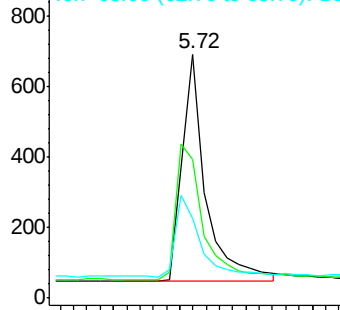
#4

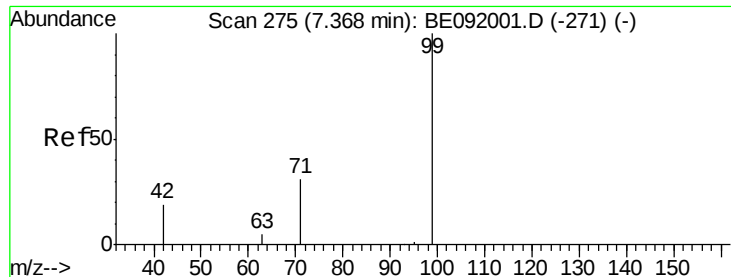
2-Fluorophenol
Concen: 0.43 ng
RT: 5.72 min Scan# 181
Delta R.T. 0.00 min
Lab File: BE092007.D
Acq: 22 Jul 2016 15:29

Tgt Ion: 112 Resp: 1586
Ion Ratio Lower Upper
112 100
64 69.2 53.7 80.5
63 37.5 29.5 44.3



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





#5

Phenol-d6

Concen: 0.43 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

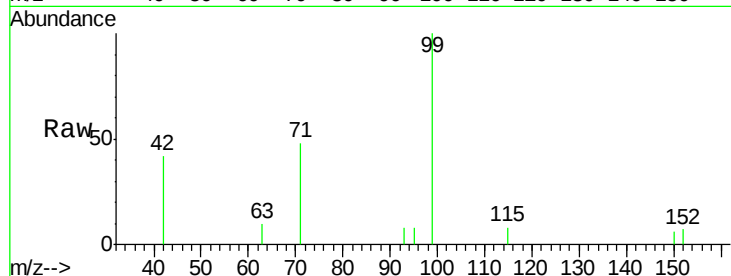
Tgt Ion: 99 Resp: 2119

Ion Ratio Lower Upper

99 100

42 27.4 19.6 29.4

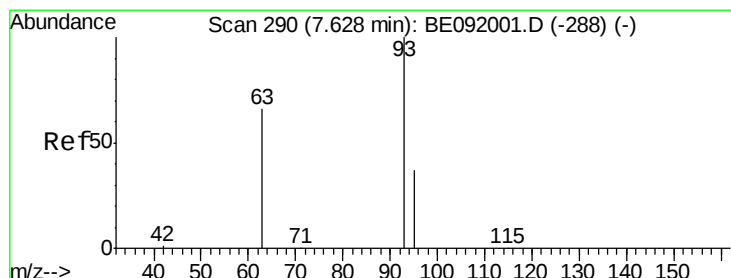
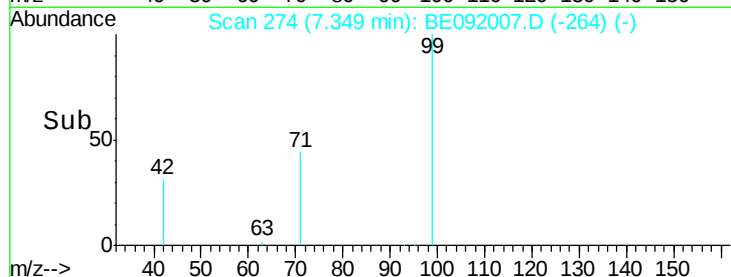
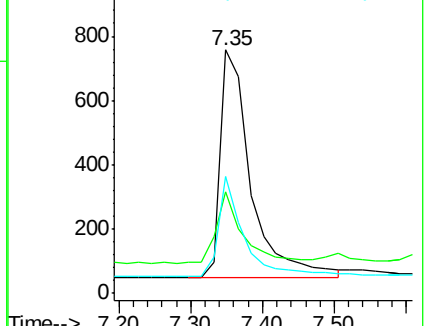
71 36.7 28.1 42.1



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



#6

bis(2-Chloroethyl)ether

Concen: 0.41 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

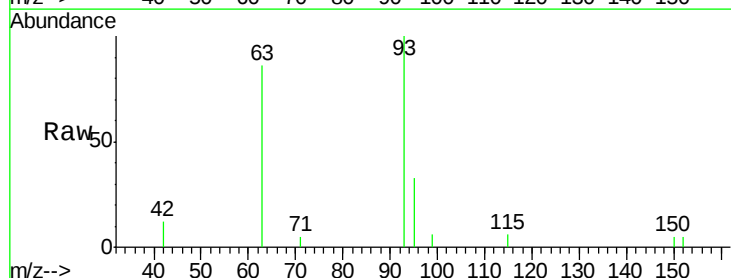
Tgt Ion: 93 Resp: 2264

Ion Ratio Lower Upper

93 100

63 80.6 66.2 99.4

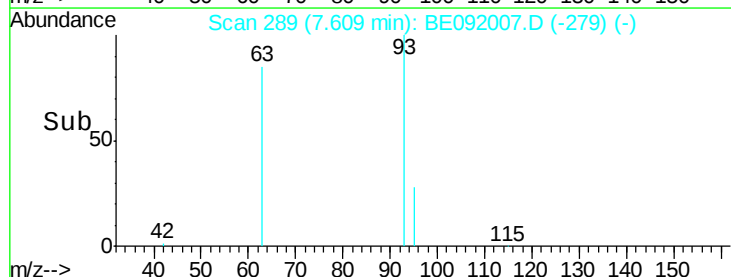
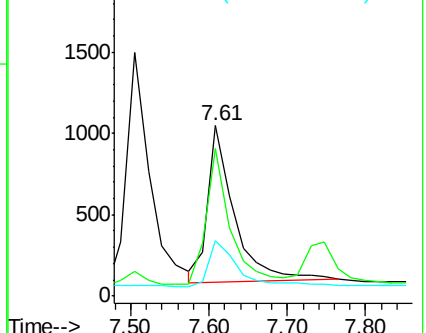
95 32.7 25.5 38.3

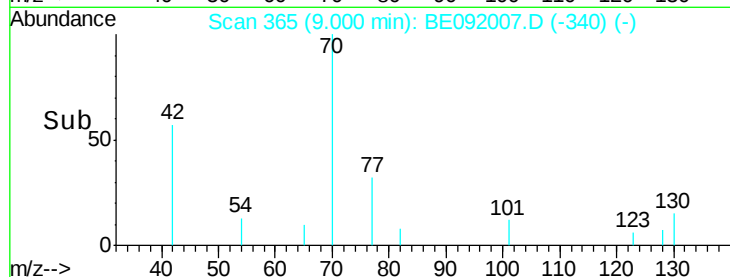
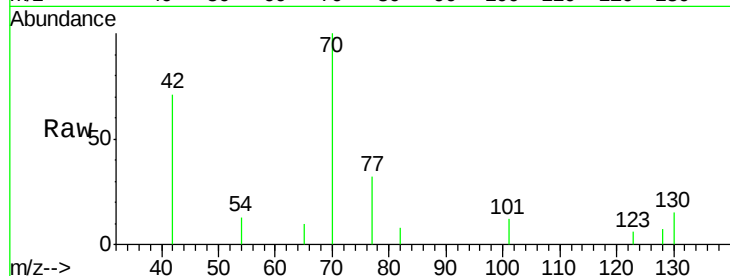
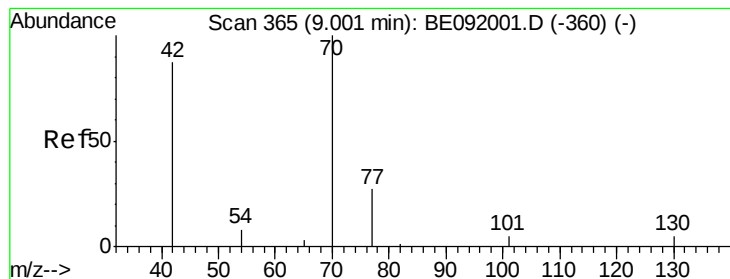


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.39 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

Tgt Ion: 70 Resp: 1812

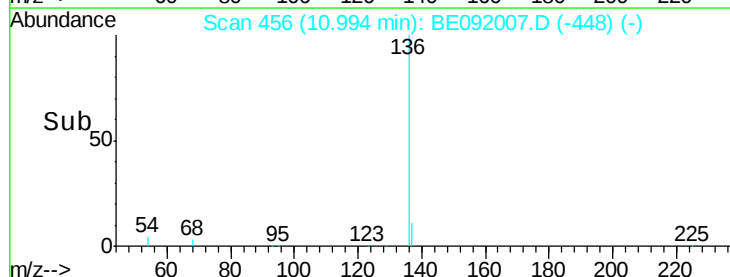
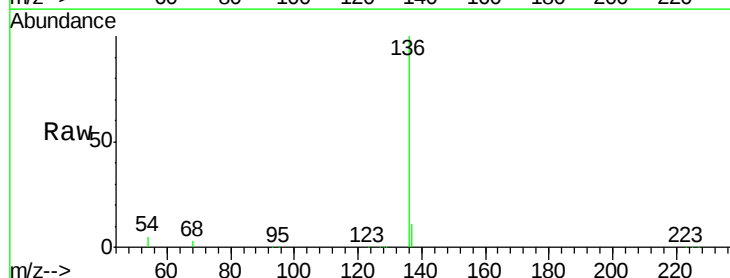
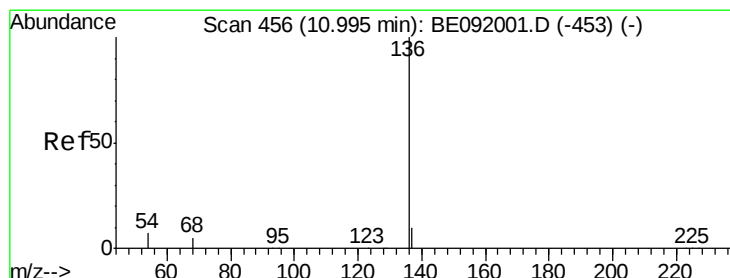
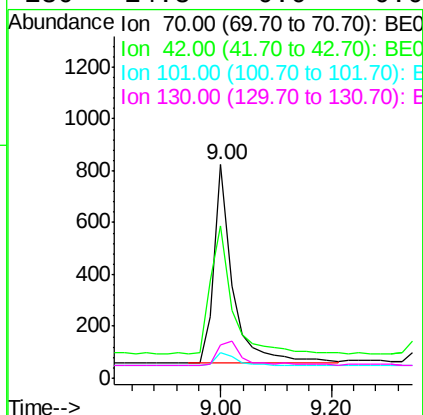
Ion Ratio Lower Upper

70 100

42 74.5 58.4 87.6

101 7.4 6.4 9.6

130 14.8 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Tgt Ion: 136 Resp: 92992

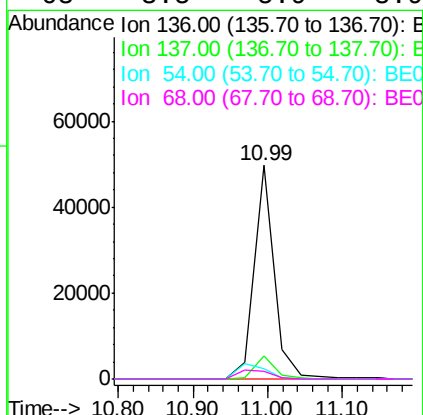
Ion Ratio Lower Upper

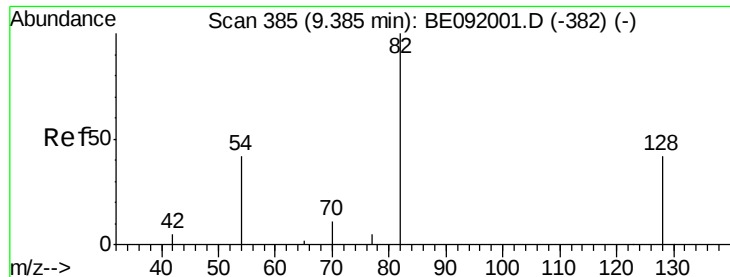
136 100

137 11.0 8.3 12.5

54 4.5 8.2 12.4#

68 3.5 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 0.41 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

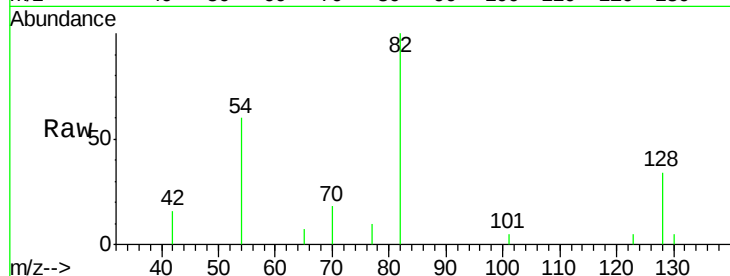
Tgt Ion: 82 Resp: 2287

Ion Ratio Lower Upper

82 100

128 33.5 39.5 59.3#

54 60.3 30.3 45.5#

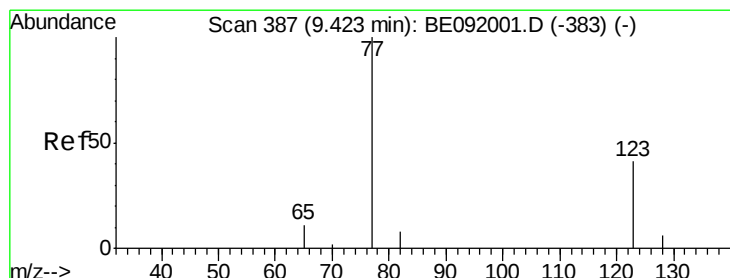
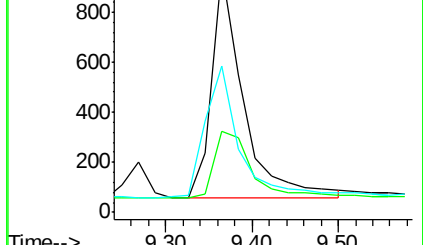
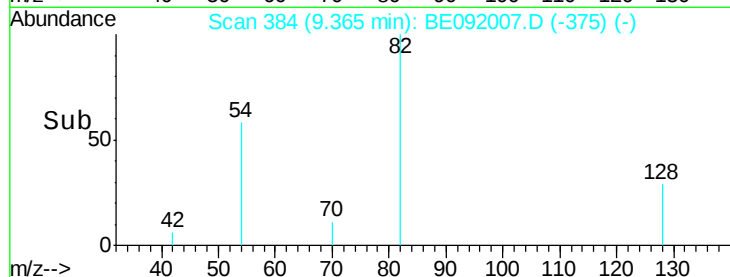


Abundance Ion 82.00 (81.70 to 82.70): BE092001.D (-382) (-)

Ion 128.00 (127.70 to 128.70): BE092001.D (-382) (-)

Ion 54.00 (53.70 to 54.70): BE092001.D (-382) (-)

Time-->



#10

Nitrobenzene

Concen: 0.44 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

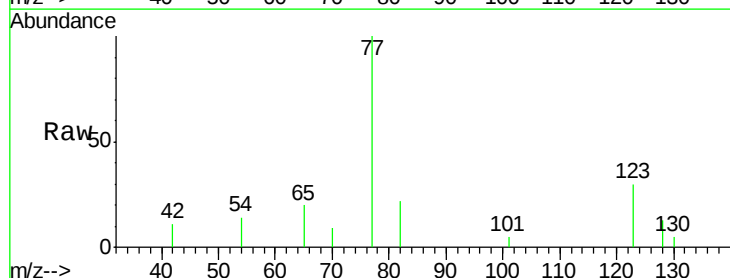
Tgt Ion: 77 Resp: 2430

Ion Ratio Lower Upper

77 100

123 37.0 0.0 0.0#

65 14.2 11.1 16.7

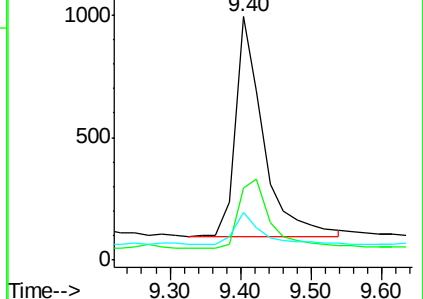
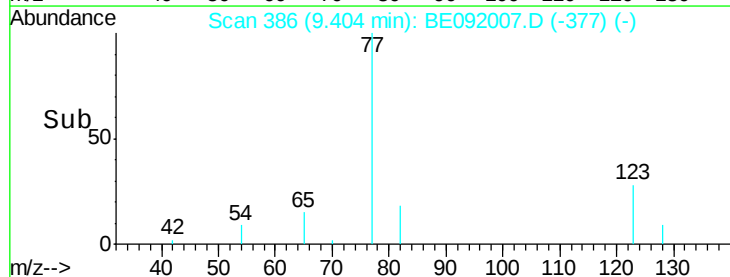


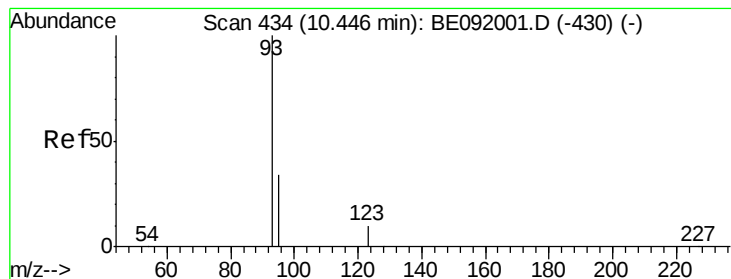
Abundance Ion 77.00 (76.70 to 77.70): BE092001.D (-383) (-)

Ion 123.00 (122.70 to 123.70): BE092001.D (-383) (-)

Ion 65.00 (64.70 to 65.70): BE092001.D (-383) (-)

Time-->





#11

bis(2-Chloroethoxy)methane

Concen: 0.39 ng

RT: 10.42 min Scan# 433

Delta R.T. -0.03 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

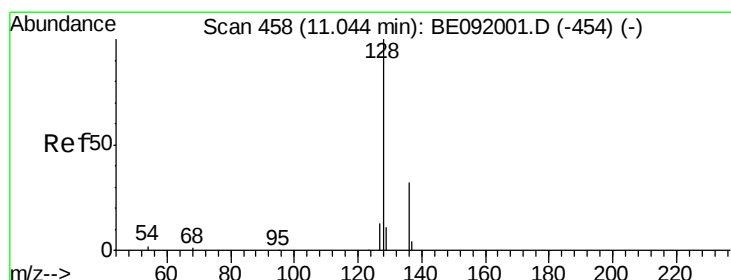
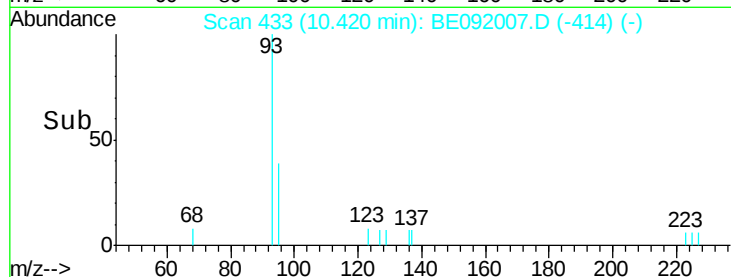
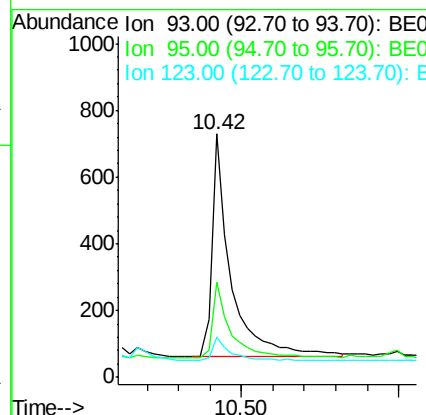
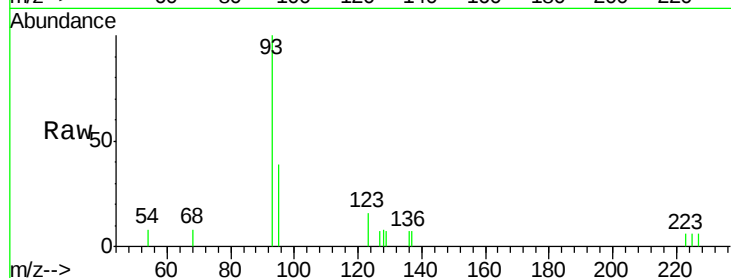
Tgt Ion: 93 Resp: 2754

Ion Ratio Lower Upper

93 100

95 51.0 57.6 86.4#

123 9.6 100.2 150.4#



#12

Naphthalene

Concen: 0.40 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

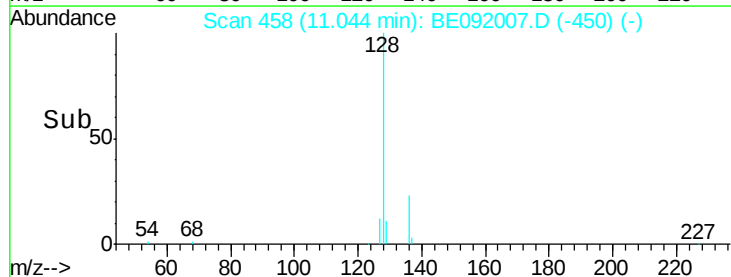
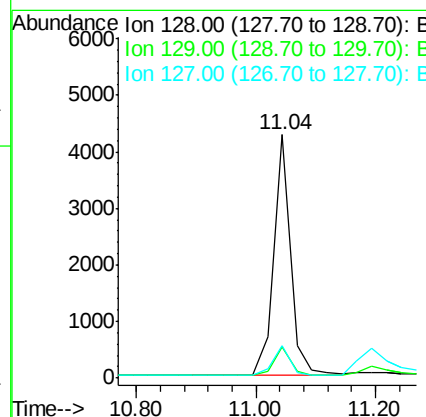
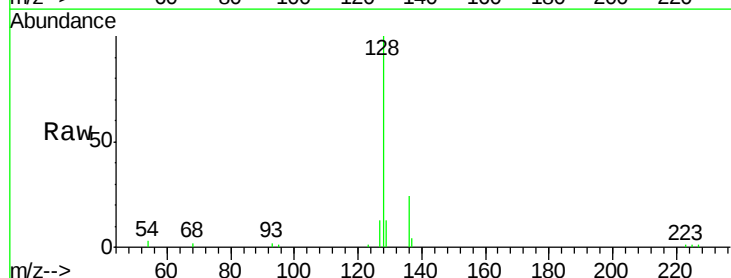
Tgt Ion: 128 Resp: 8404

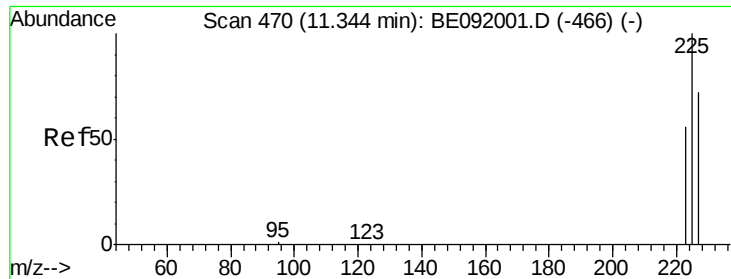
Ion Ratio Lower Upper

128 100

129 12.5 10.4 15.6

127 13.1 10.2 15.2

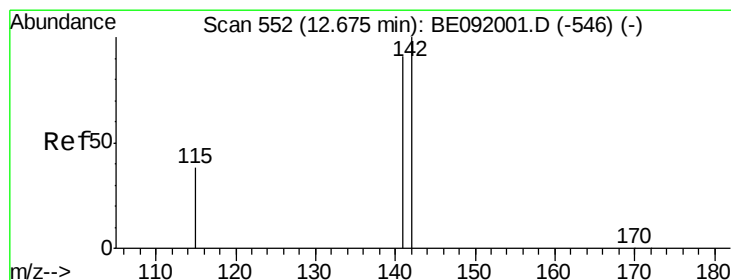
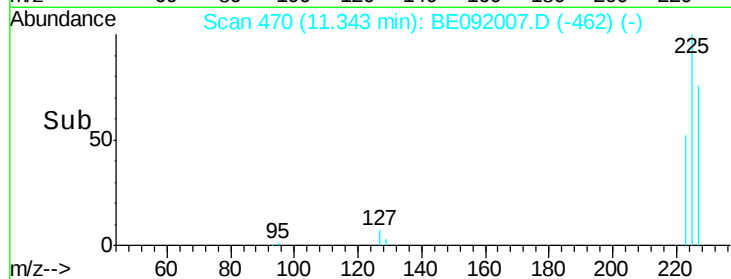
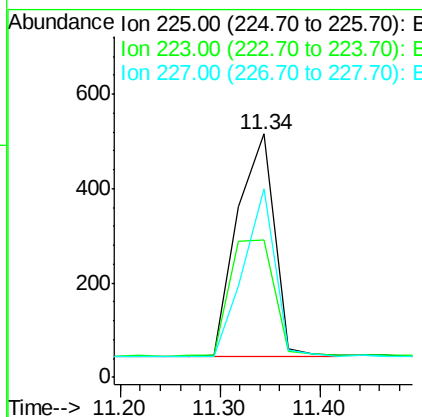
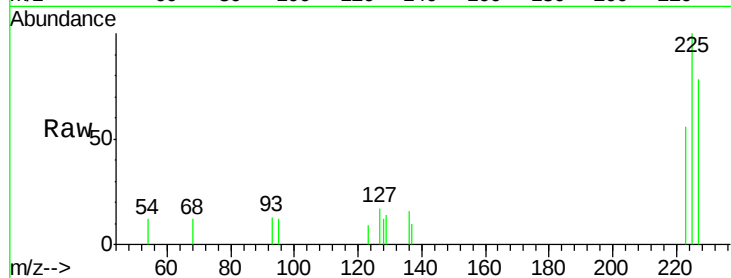




#13
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE092007.D
Acq: 22 Jul 2016 15:29

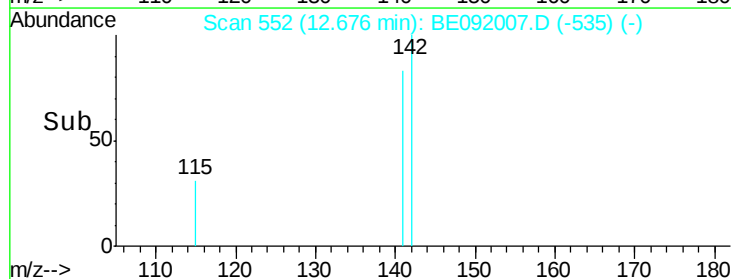
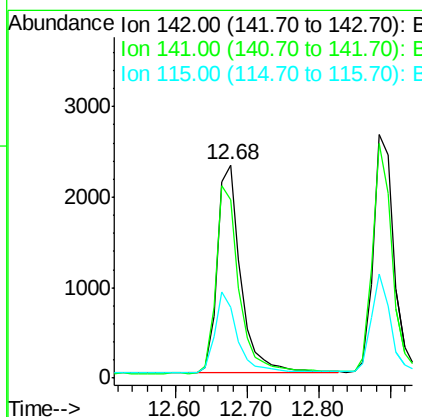
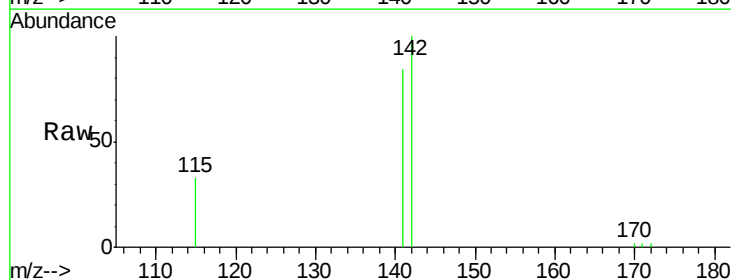
Instrument :
BNA_E
ClientSampleId :
ICVBE072216

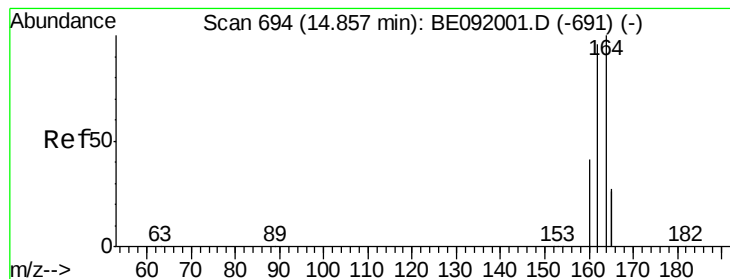
Tgt Ion: 225 Resp: 1219
Ion Ratio Lower Upper
225 100
223 62.4 49.8 74.8
227 64.6 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092007.D
Acq: 22 Jul 2016 15:29

Tgt Ion: 142 Resp: 5283
Ion Ratio Lower Upper
142 100
141 83.6 71.9 107.9
115 33.2 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

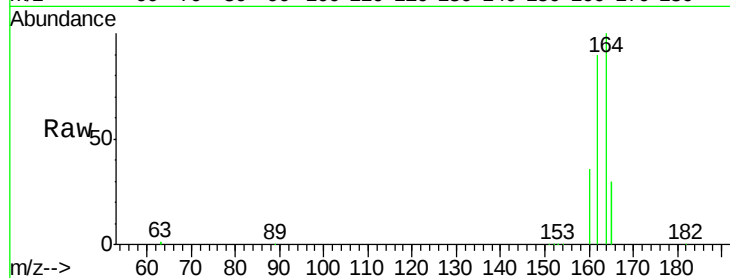
Tgt Ion:164 Resp: 55629

Ion Ratio Lower Upper

164 100

162 90.1 71.8 107.8

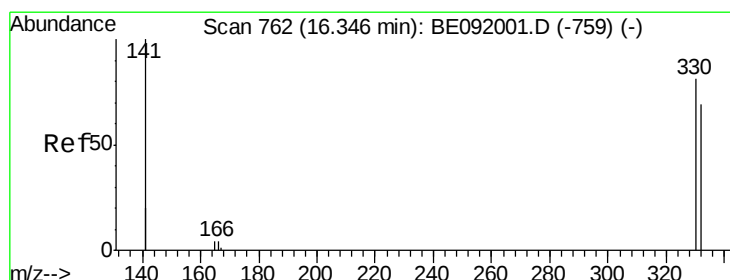
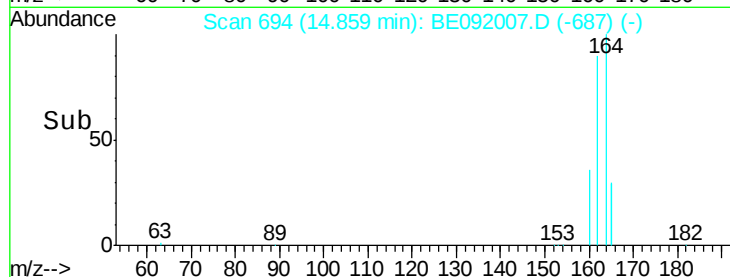
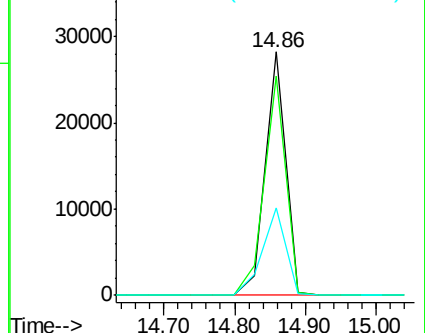
160 35.9 28.0 42.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 0.46 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

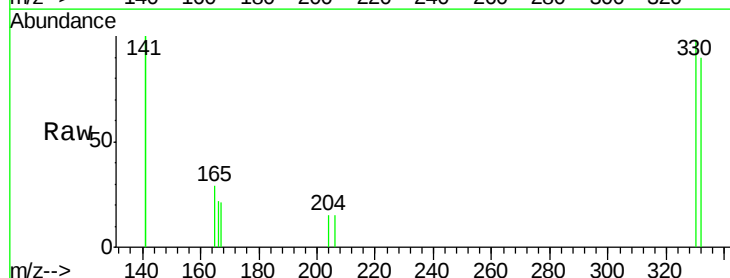
Tgt Ion:330 Resp: 547

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

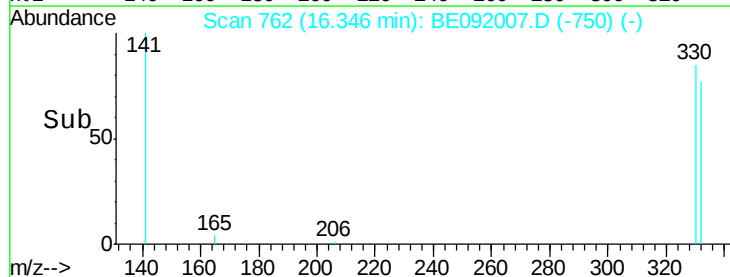
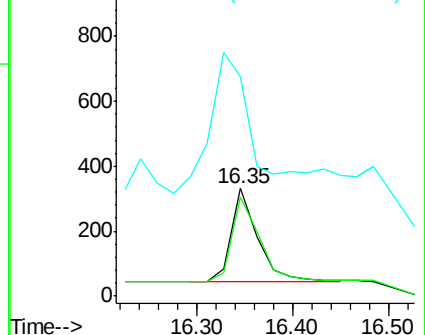
141 237.7 138.4 207.6#

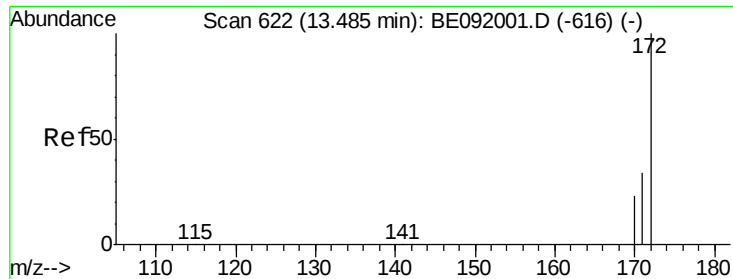


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

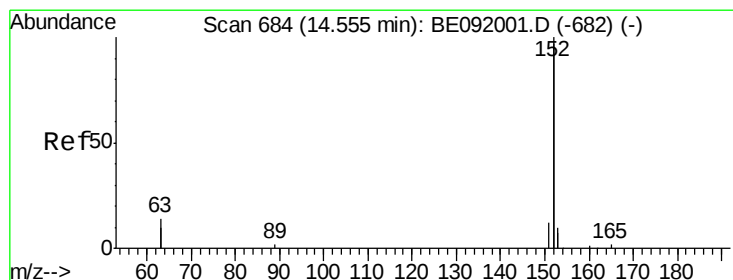
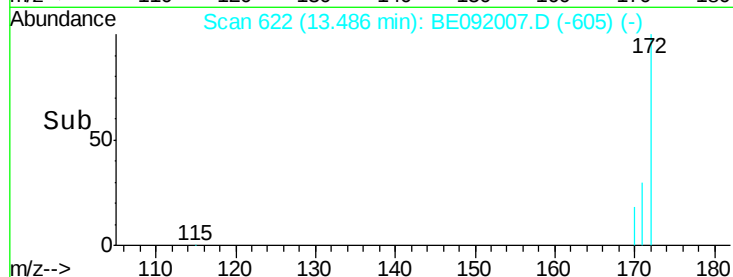
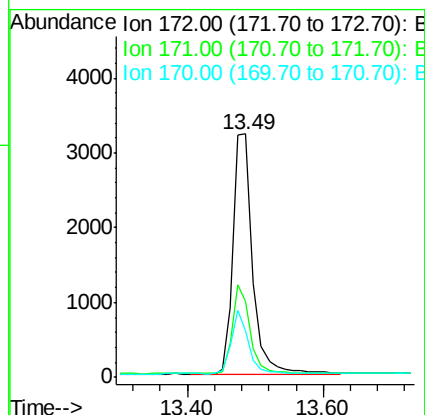
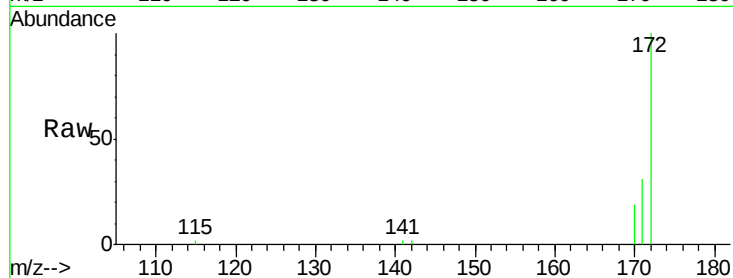




#17
 2-Fluorobiphenyl
 Concen: 0.45 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE092007.D
 Acq: 22 Jul 2016 15:29

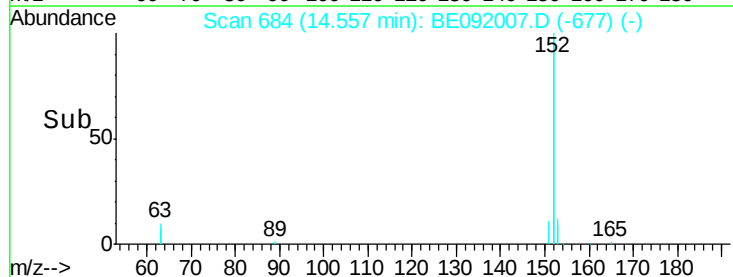
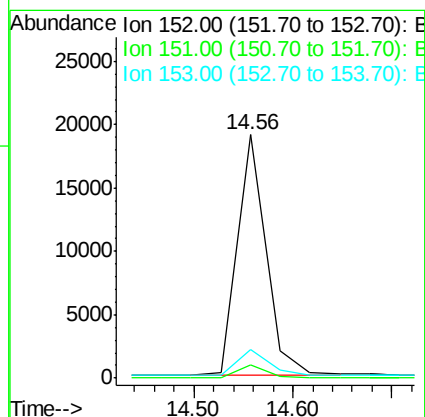
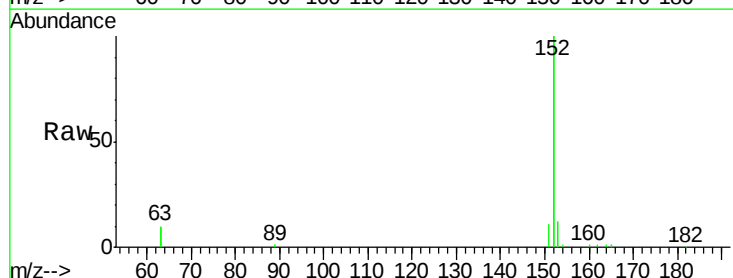
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE072216

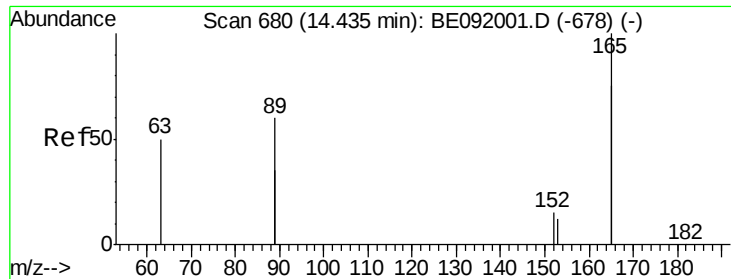
Tgt Ion:172 Resp: 6571
 Ion Ratio Lower Upper
 172 100
 171 31.4 24.3 36.5
 170 19.2 14.9 22.3



#18
 Acenaphthylene
 Concen: 0.46 ng
 RT: 14.56 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BE092007.D
 Acq: 22 Jul 2016 15:29

Tgt Ion:152 Resp: 38944
 Ion Ratio Lower Upper
 152 100
 151 5.2 19.4 29.2#
 153 11.6 14.4 21.6#

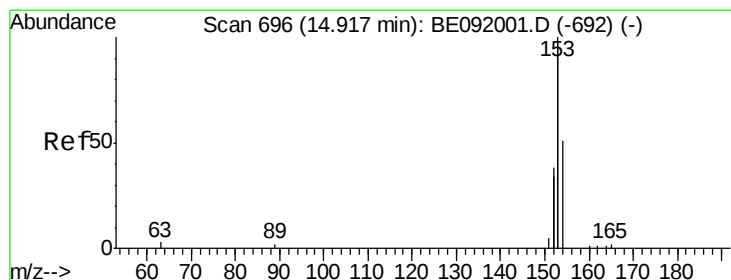
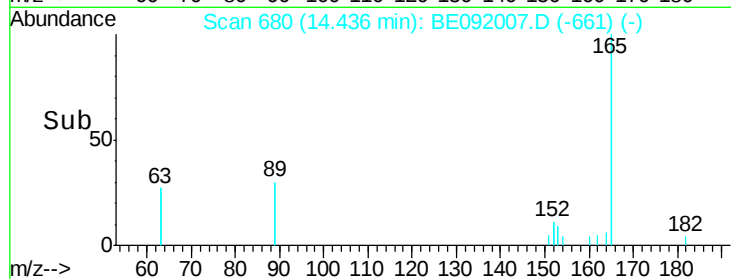
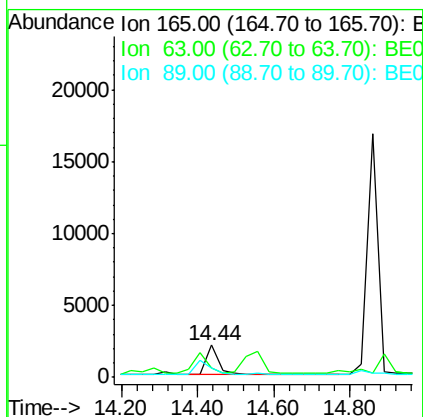
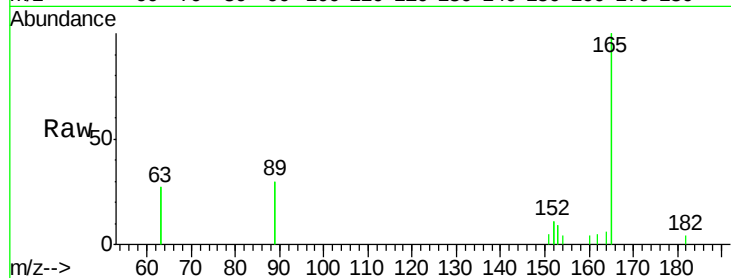




#19
2,6-Dinitrotoluene
Concen: 0.43 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE092007.D
Acq: 22 Jul 2016 15:29

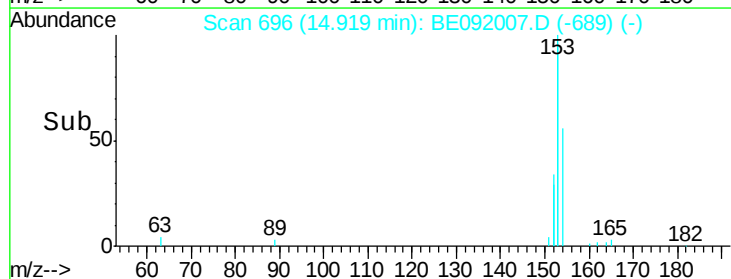
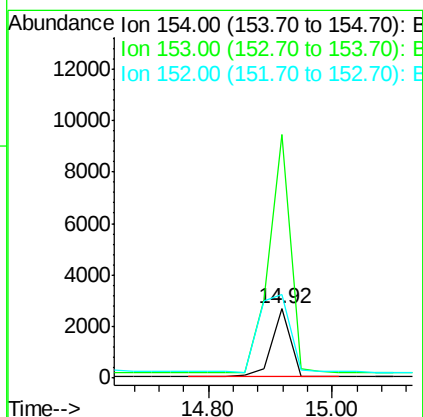
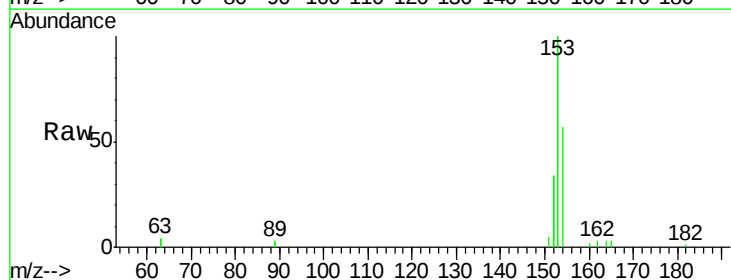
Instrument :
BNA_E
ClientSampleId :
ICVBE072216

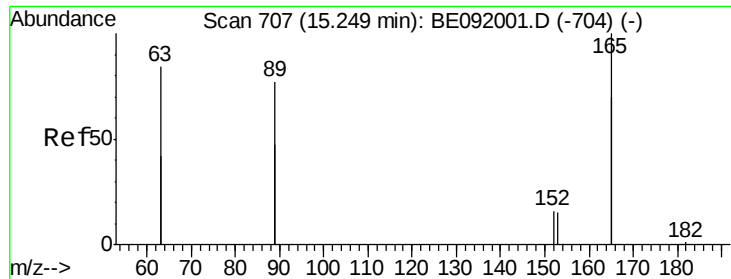
Tgt Ion:165 Resp: 4309
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 0.0 59.1 88.7#



#20
Acenaphthene
Concen: 0.39 ng
RT: 14.92 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE092007.D
Acq: 22 Jul 2016 15:29

Tgt Ion:154 Resp: 5630
Ion Ratio Lower Upper
154 100
153 396.9 88.1 132.1#
152 188.4 44.2 66.2#

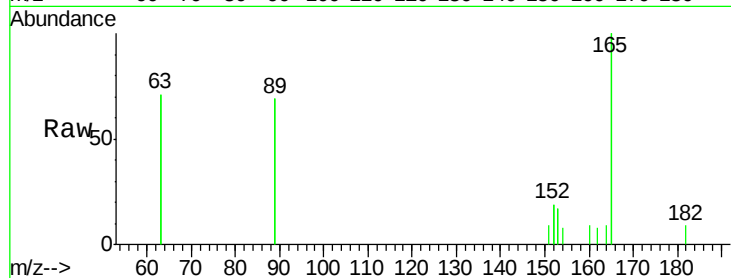




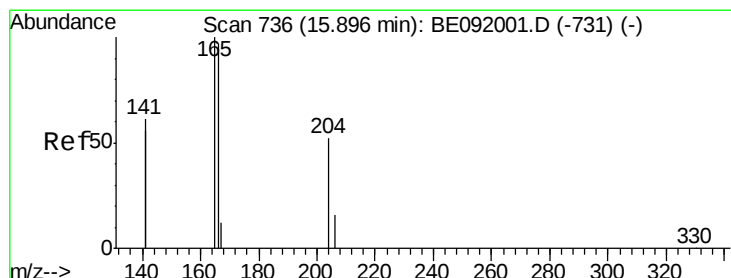
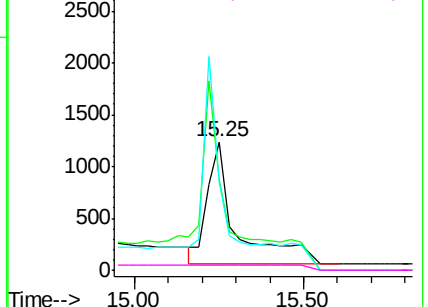
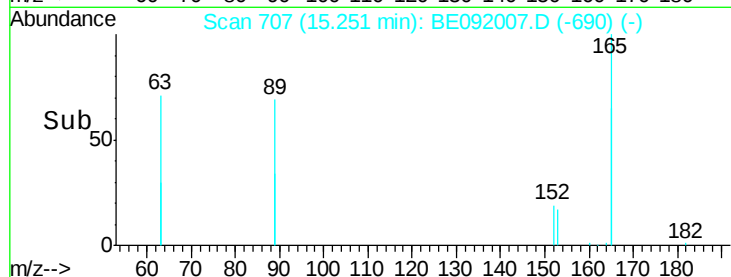
#21
2,4-Dinitrotoluene
Concen: 0.76 ng
RT: 15.25 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092007.D
Acq: 22 Jul 2016 15:29

Instrument :
BNA_E
ClientSampleId :
ICVBE072216

Tgt Ion:165 Resp: 6790
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.0 0.0 0.0

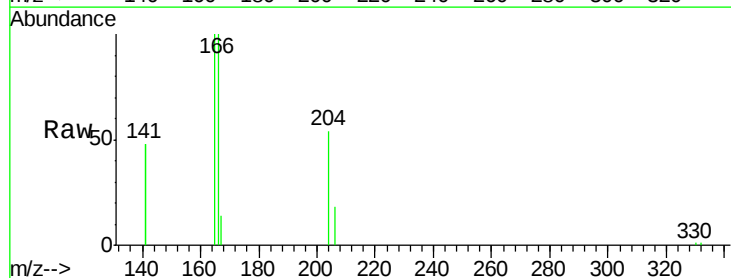


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

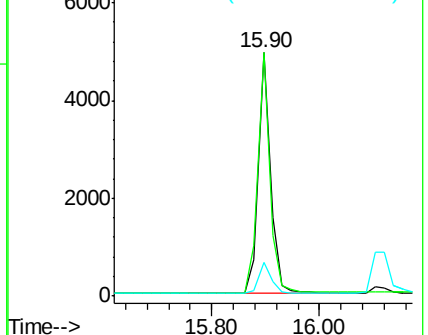
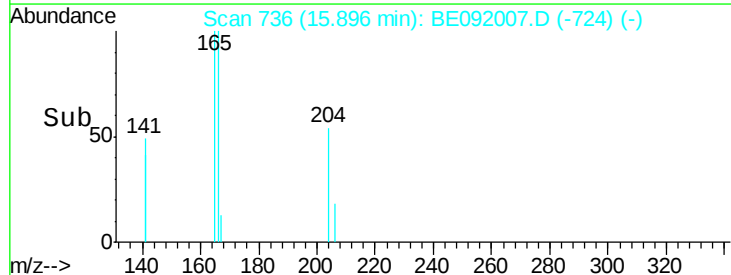


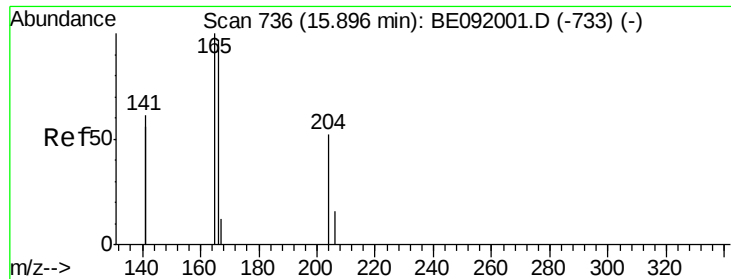
#22
Fluorene
Concen: 0.45 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092007.D
Acq: 22 Jul 2016 15:29

Tgt Ion:166 Resp: 7814
Ion Ratio Lower Upper
166 100
165 99.2 78.6 117.8
167 14.1 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

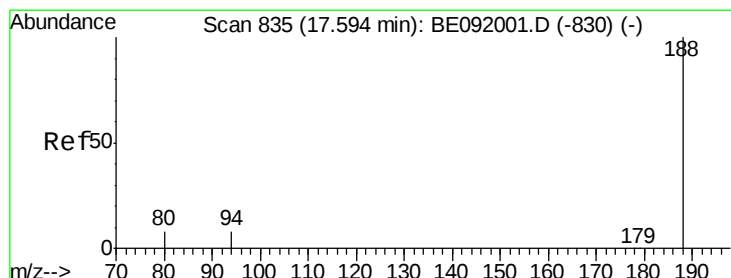
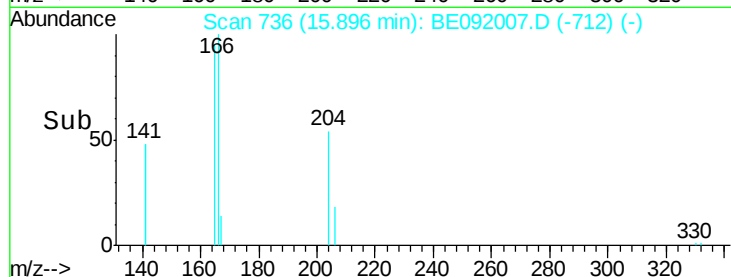
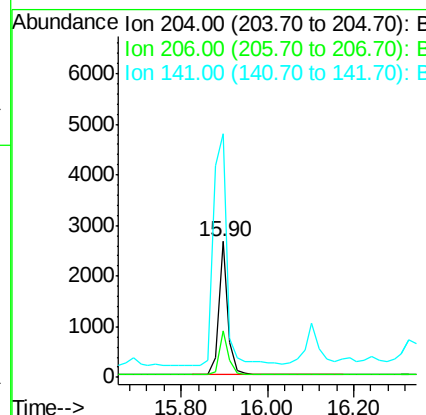
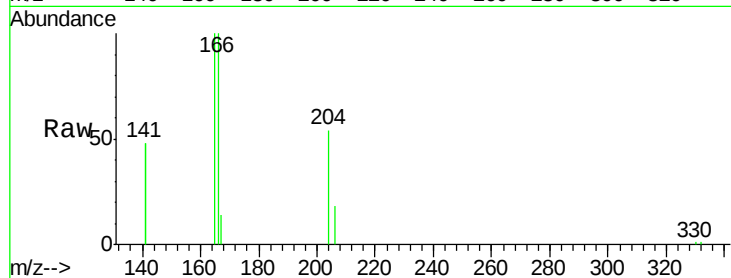




#23
4-Chlorophenyl-phenylether
Concen: 0.47 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092007.D
Acq: 22 Jul 2016 15:29

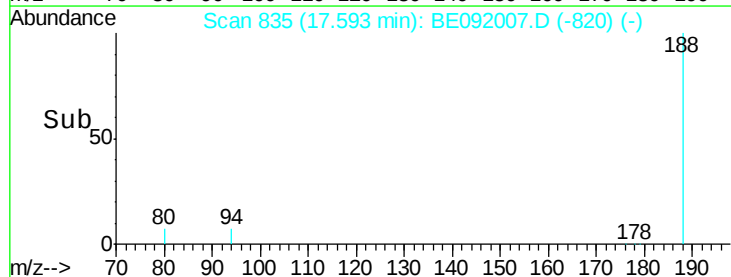
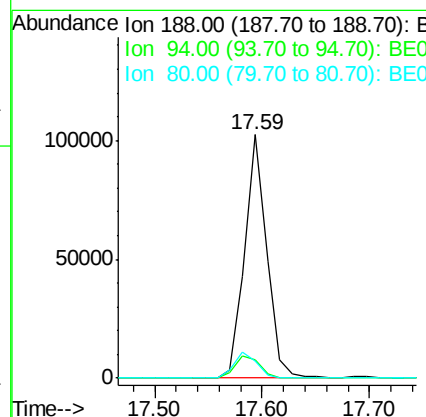
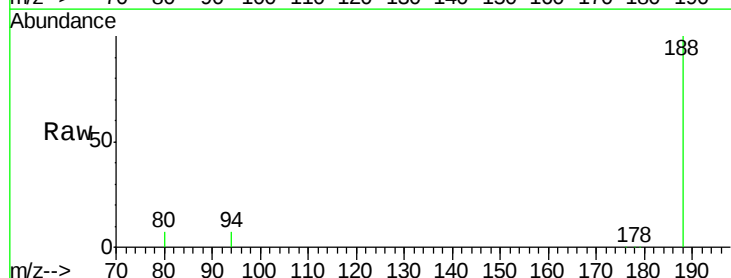
Instrument :
BNA_E
ClientSampleId :
ICVBE072216

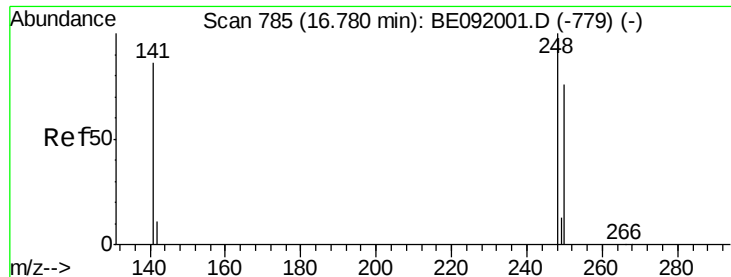
Tgt Ion: 204 Resp: 4009
Ion Ratio Lower Upper
204 100
206 33.8 27.8 41.6
141 248.2 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE092007.D
Acq: 22 Jul 2016 15:29

Tgt Ion: 188 Resp: 145345
Ion Ratio Lower Upper
188 100
94 7.4 4.1 6.1#
80 6.8 3.4 5.2#

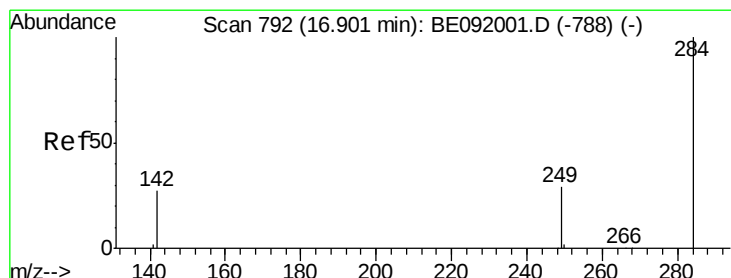
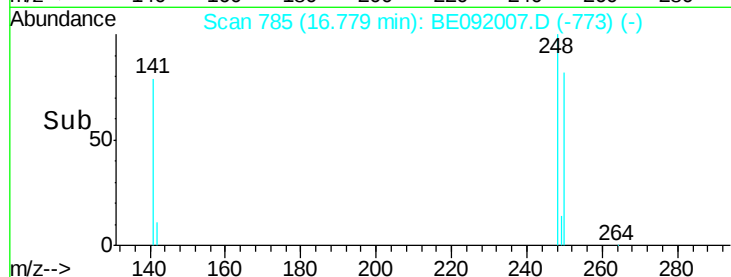
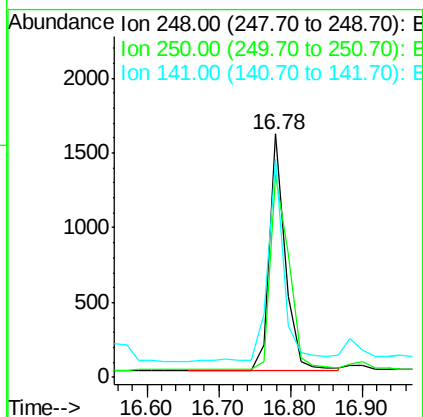
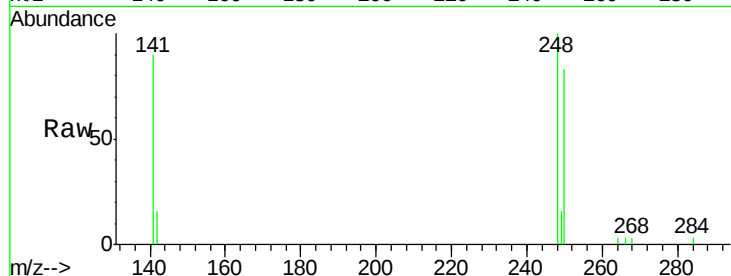




#25
 4-Bromophenyl-phenylether
 Concen: 0.40 ng
 RT: 16.78 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BE092007.D
 Acq: 22 Jul 2016 15:29

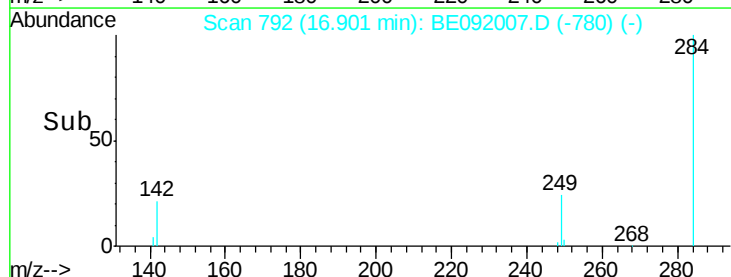
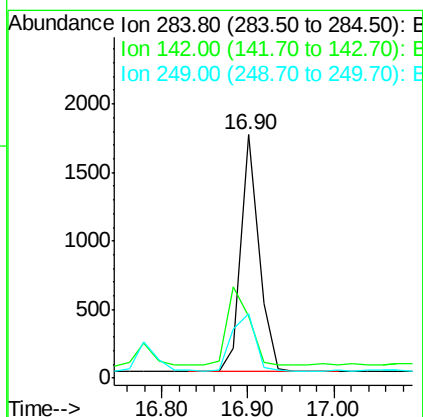
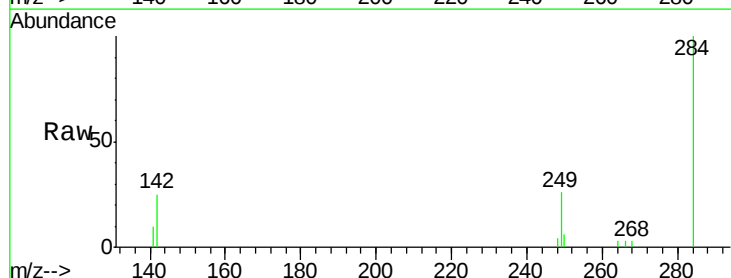
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE072216

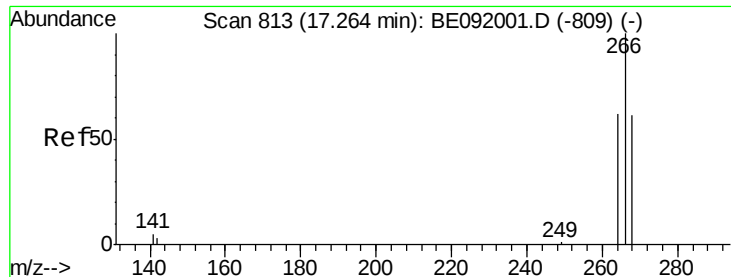
Tgt Ion:248 Resp: 2444
 Ion Ratio Lower Upper
 248 100
 250 96.4 75.7 113.5
 141 88.8 64.6 97.0



#26
 Hexachlorobenzene
 Concen: 0.41 ng
 RT: 16.90 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BE092007.D
 Acq: 22 Jul 2016 15:29

Tgt Ion:284 Resp: 2533
 Ion Ratio Lower Upper
 284 100
 142 41.2 31.4 47.2
 249 31.4 25.3 37.9





#27

Pentachlorophenol

Concen: 0.46 ng

RT: 17.26 min Scan# 813

Delta R.T. -0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

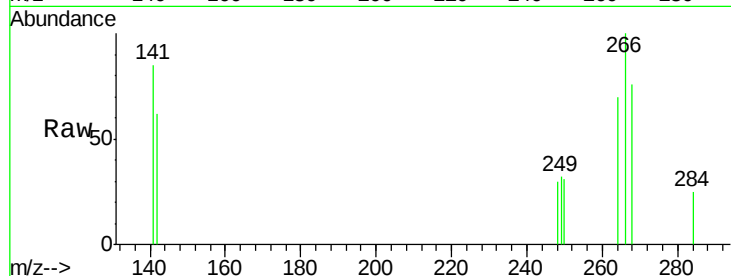
Tgt Ion:266 Resp: 421

Ion Ratio Lower Upper

266 100

268 76.4 60.5 90.7

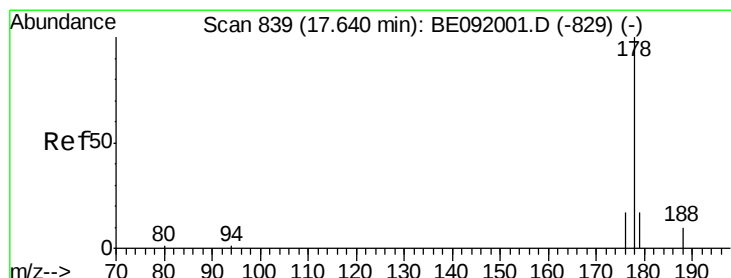
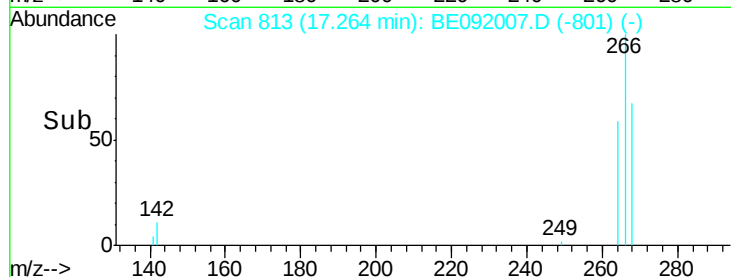
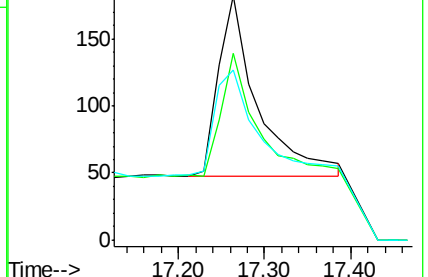
264 69.8 51.0 76.4



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



#28

Phenanthrene

Concen: 0.41 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

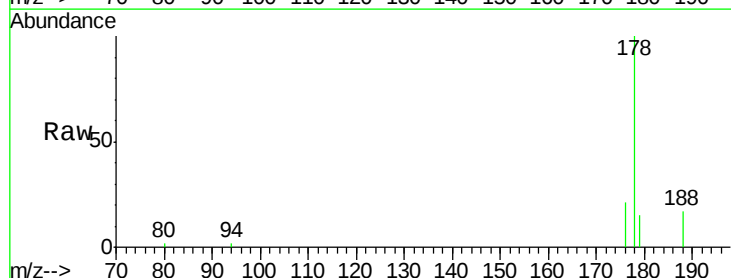
Tgt Ion:178 Resp: 15372

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

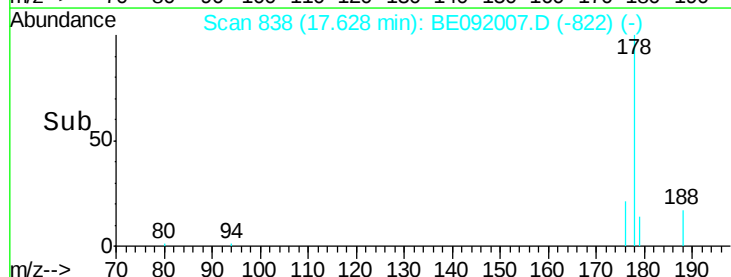
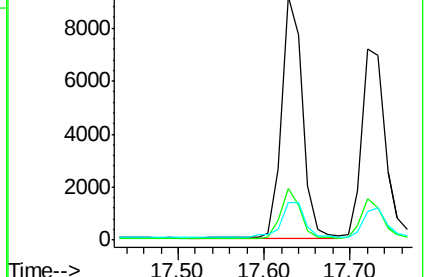
179 16.4 12.9 19.3

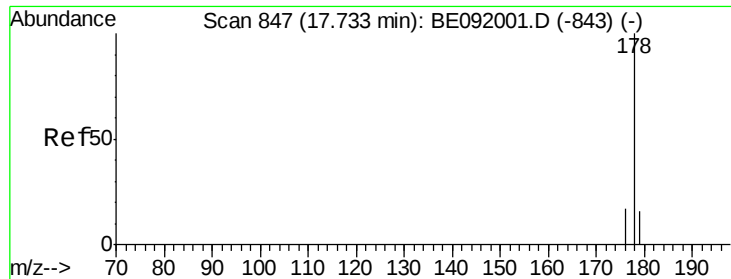


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.40 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.01 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

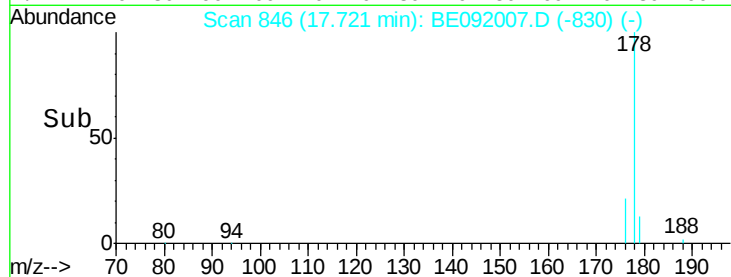
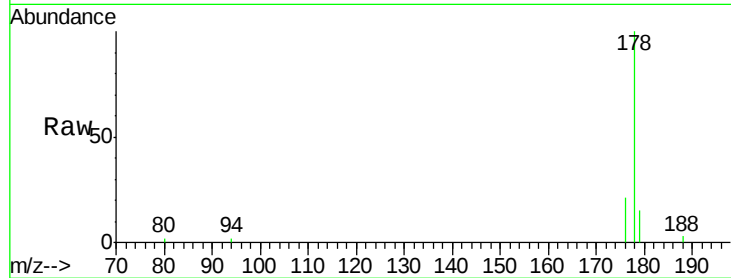
Tgt Ion:178 Resp: 13760

Ion Ratio Lower Upper

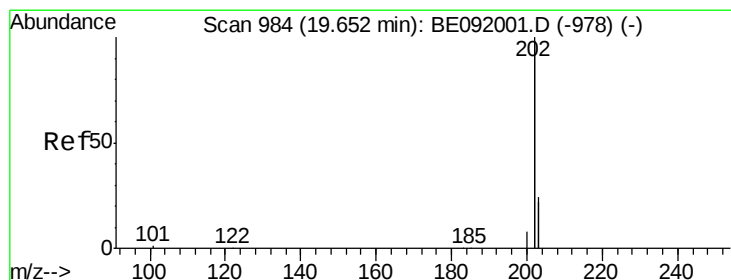
178 100

176 19.1 15.1 22.7

179 14.9 12.1 18.1



Time-->



#30

Fluoranthene

Concen: 0.38 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

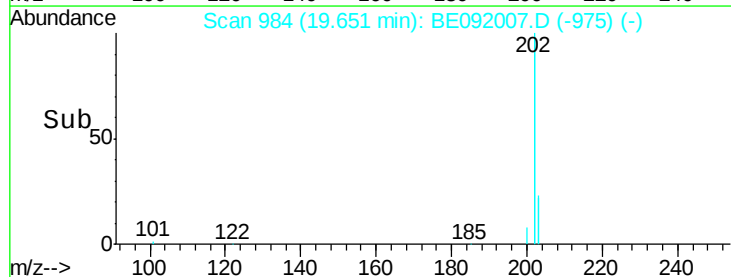
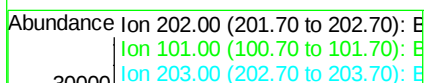
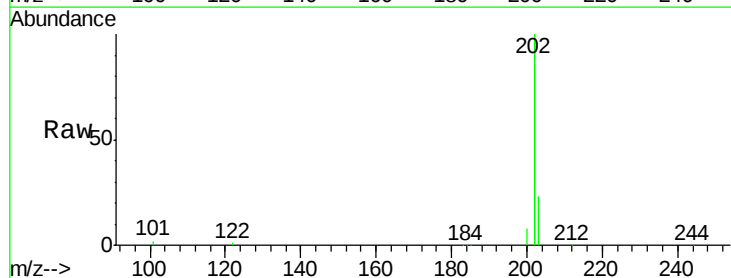
Tgt Ion:202 Resp: 57761

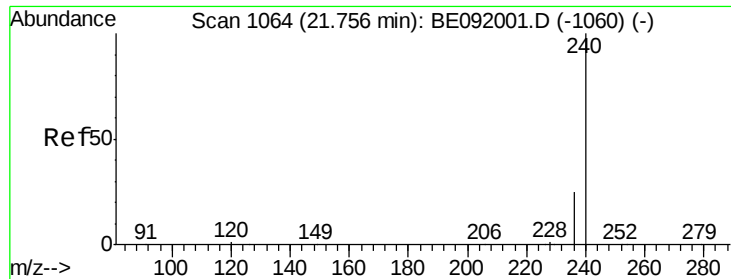
Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 18.3 14.3 21.5





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

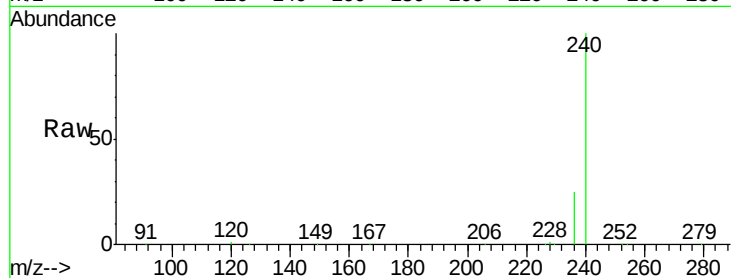
Tgt Ion:240 Resp: 205222

Ion Ratio Lower Upper

240 100

120 1.0 1.2 1.8#

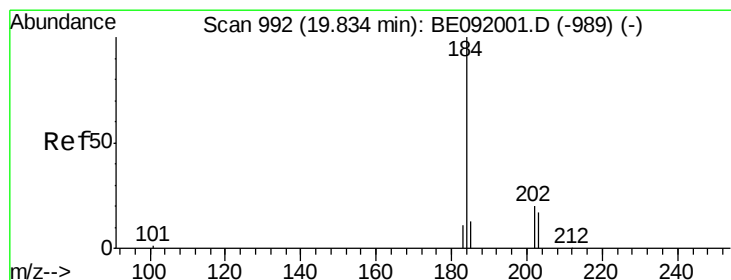
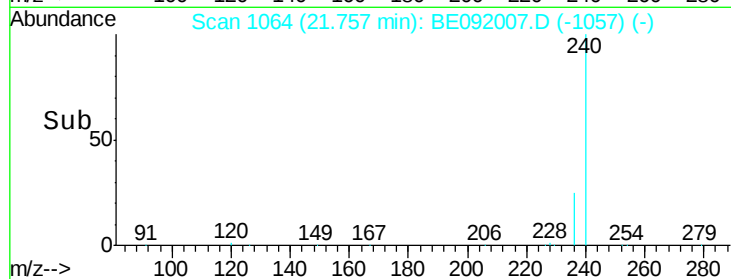
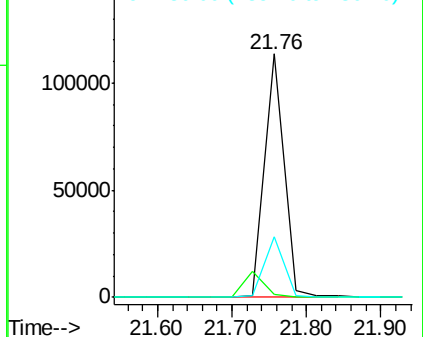
236 24.8 19.8 29.8



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



#32

Benzidine

Concen: 0.47 ng

RT: 19.83 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

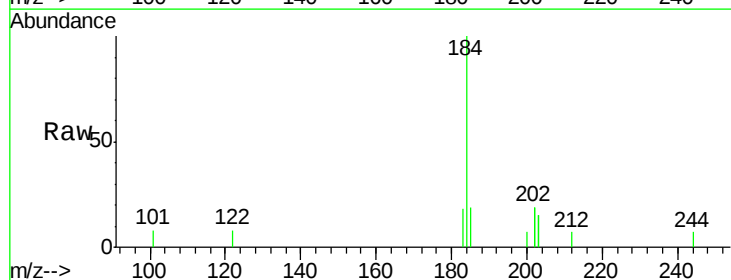
Tgt Ion:184 Resp: 2918

Ion Ratio Lower Upper

184 100

185 18.5 11.4 17.2#

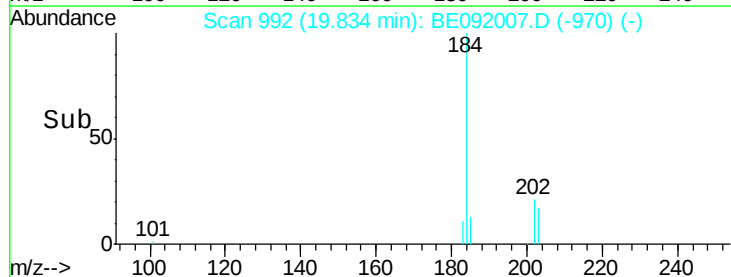
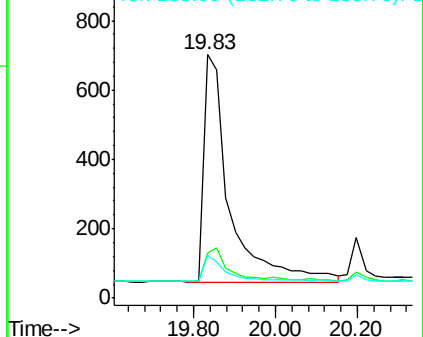
183 17.5 11.8 17.6

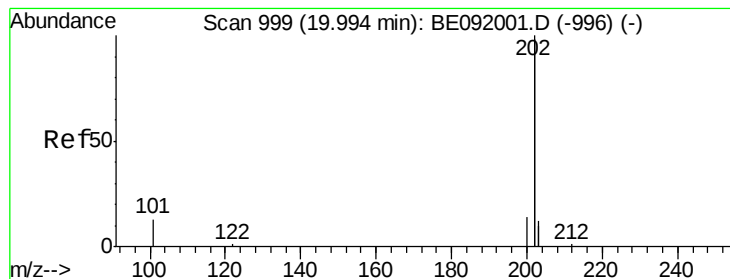


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.41 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

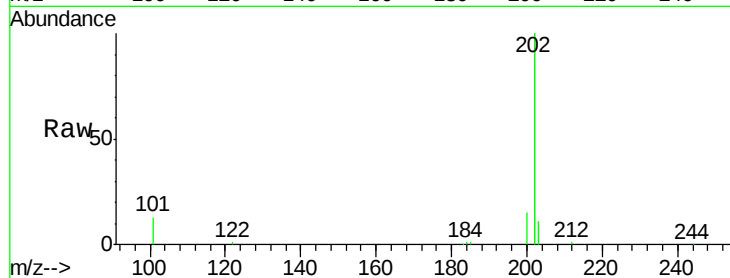
Tgt Ion:202 Resp: 60741

Ion Ratio Lower Upper

202 100

200 5.6 16.9 25.3#

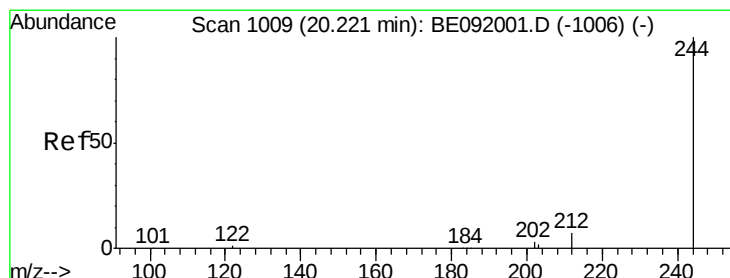
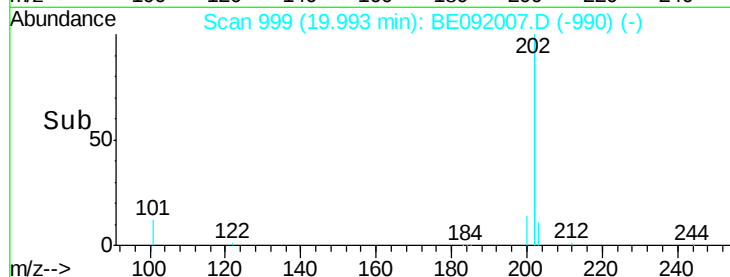
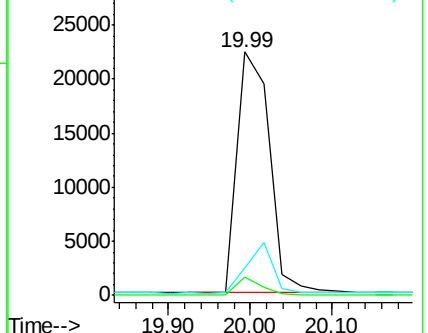
203 0.0 14.1 21.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 0.45 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

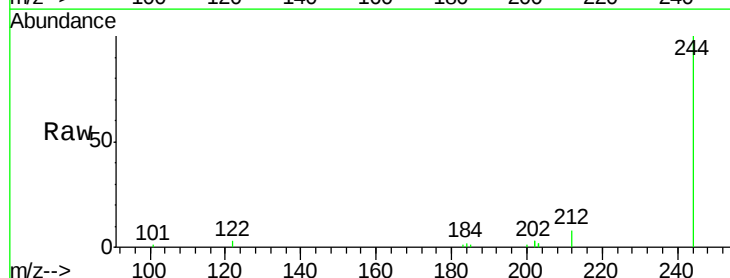
Tgt Ion:244 Resp: 9295

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

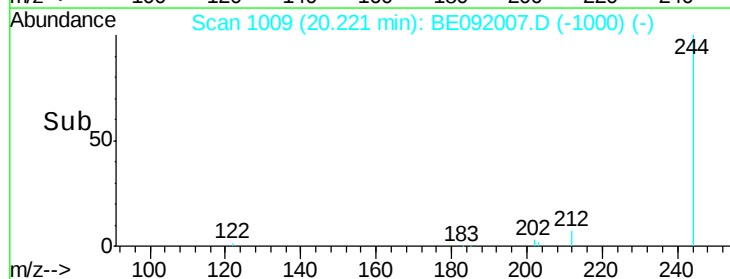
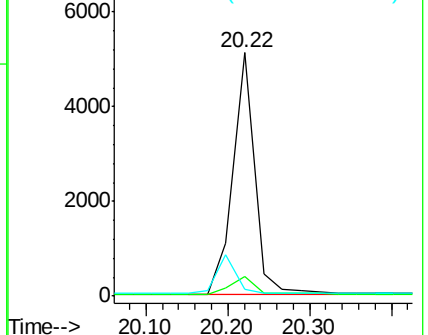
122 2.5 2.9 4.3#

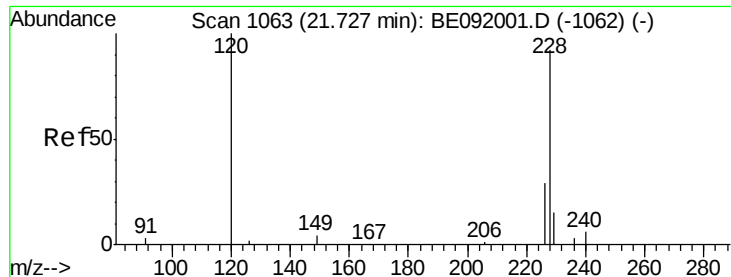


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.98 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

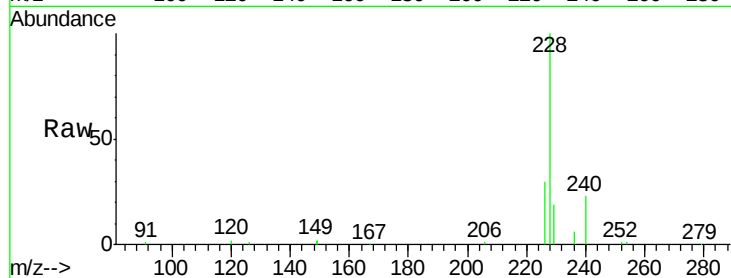
Tgt Ion:228 Resp: 45251

Ion Ratio Lower Upper

228 100

226 30.2 21.0 31.4

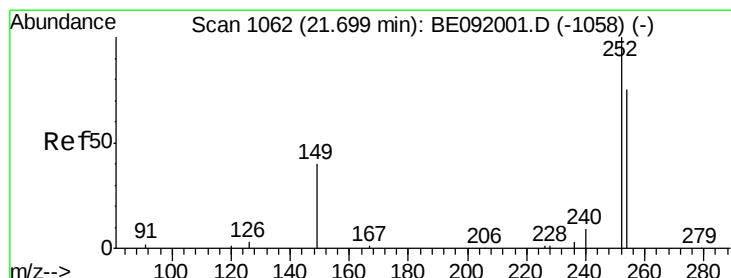
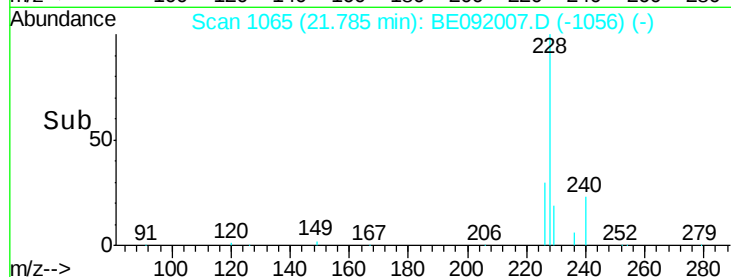
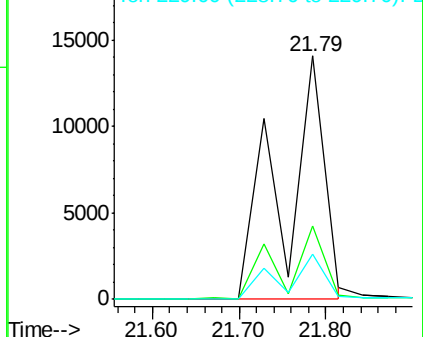
229 18.8 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 0.46 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

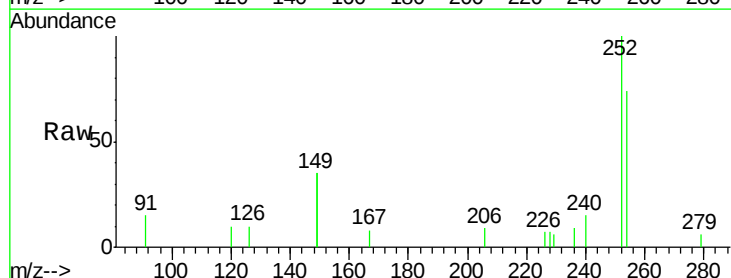
Tgt Ion:252 Resp: 2703

Ion Ratio Lower Upper

252 100

254 74.1 61.5 92.3

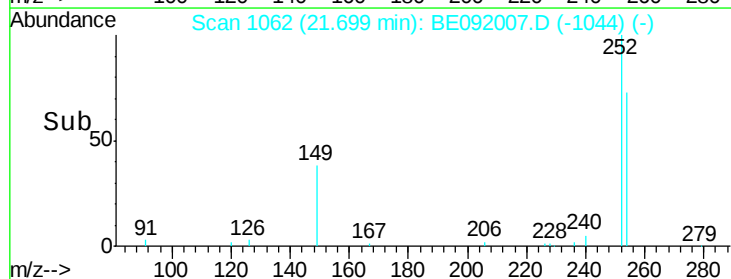
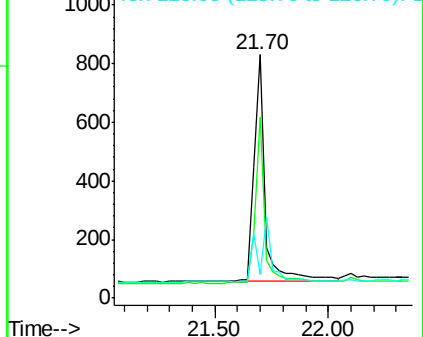
126 9.5 2.5 3.7#

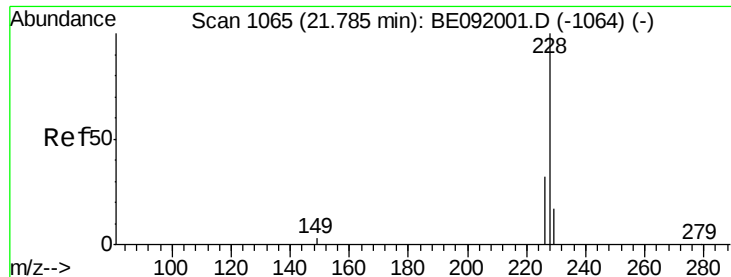


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.81 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

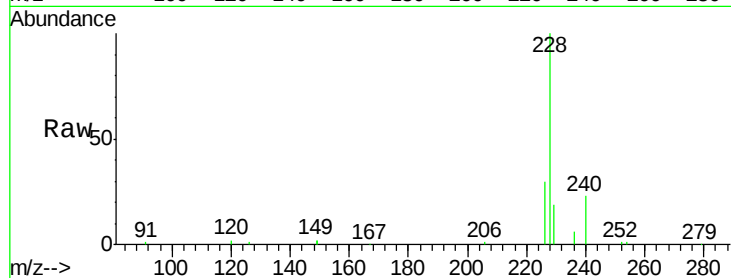
Tgt Ion:228 Resp: 45769

Ion Ratio Lower Upper

228 100

226 30.2 27.0 40.6

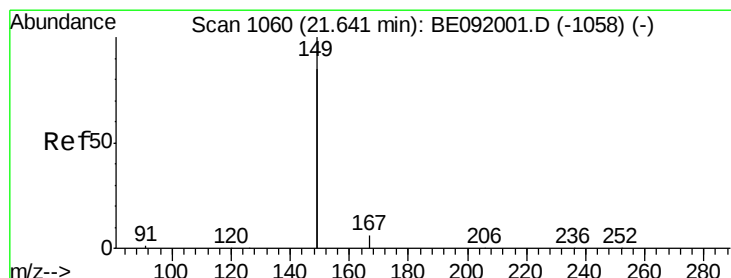
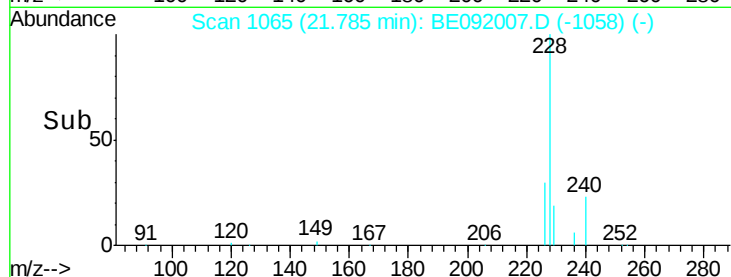
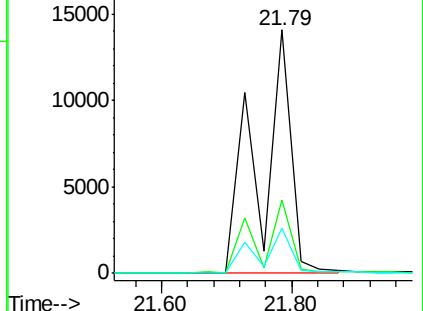
229 18.8 13.8 20.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.44 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

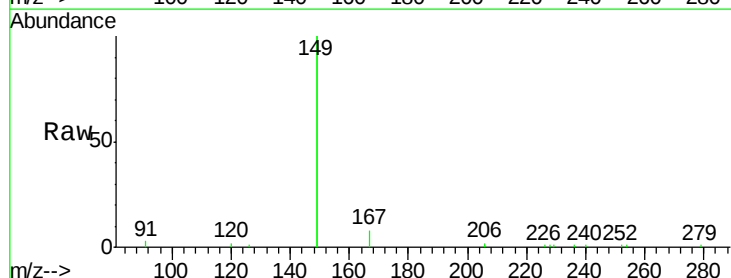
Tgt Ion:149 Resp: 15030

Ion Ratio Lower Upper

149 100

167 4.7 0.0 0.0#

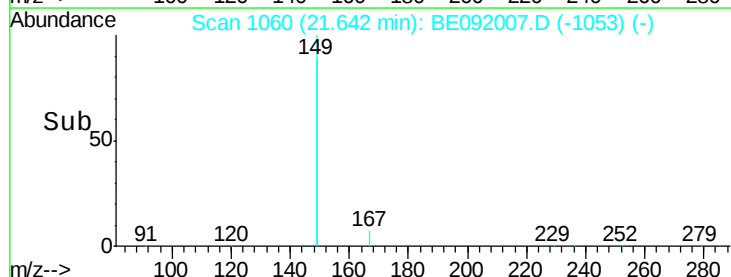
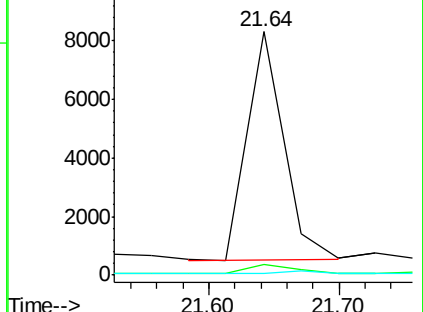
279 0.0 0.0 0.0

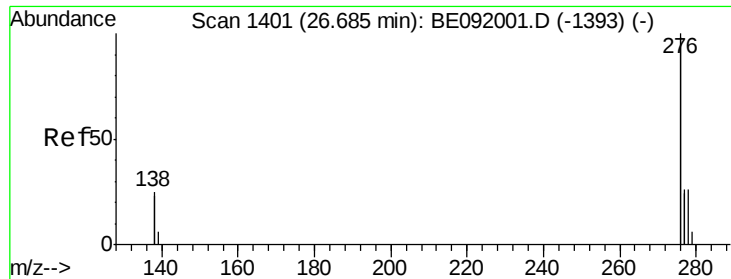


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

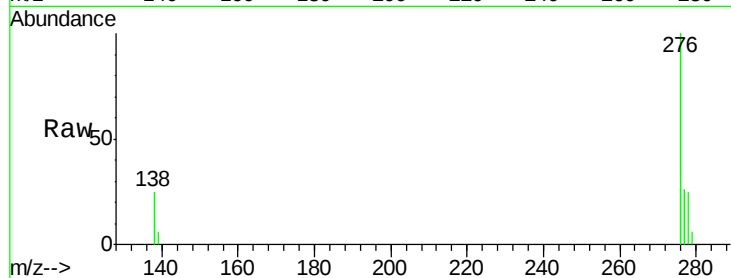
Tgt Ion:276 Resp: 61124

Ion Ratio Lower Upper

276 100

138 26.4 19.7 29.5

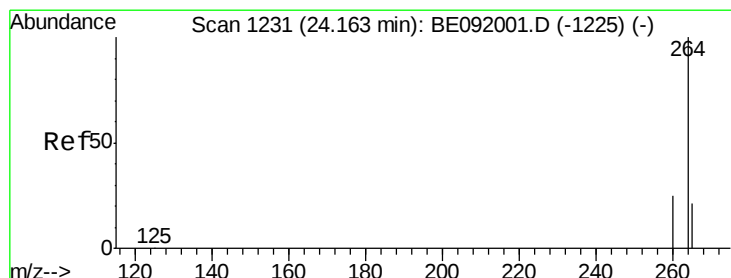
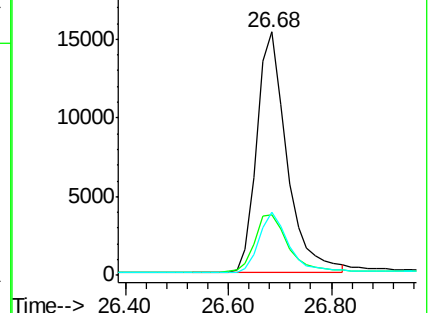
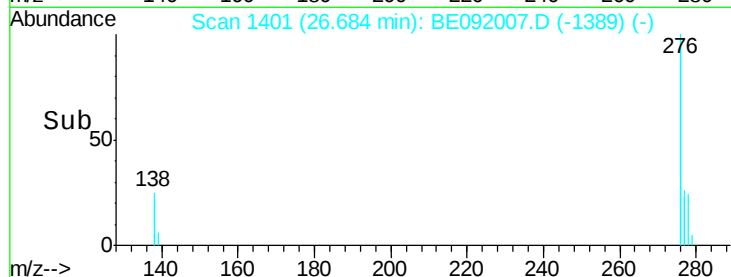
277 24.7 20.1 30.1



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.16 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

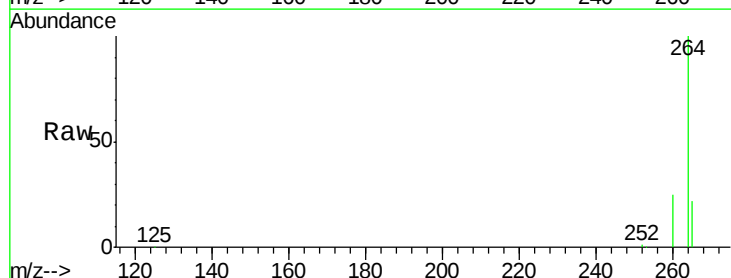
Tgt Ion:264 Resp: 152225

Ion Ratio Lower Upper

264 100

260 25.3 20.3 30.5

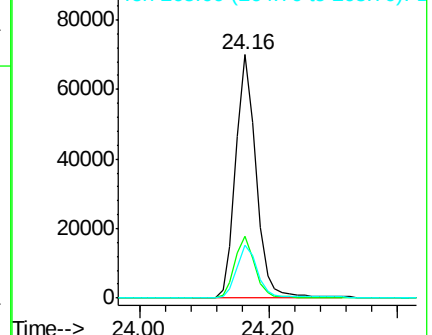
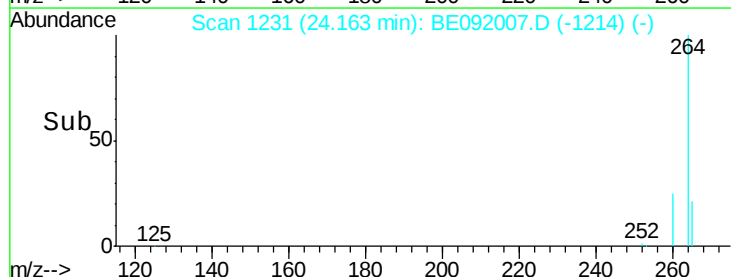
265 21.6 17.6 26.4

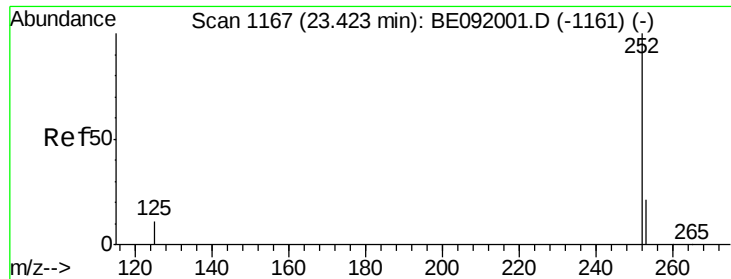


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.38 ng

RT: 23.42 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

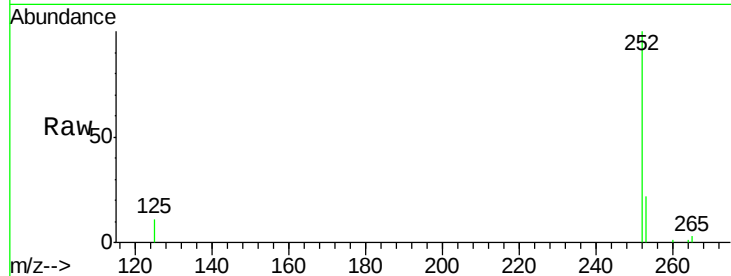
Tgt Ion:252 Resp: 15343

Ion Ratio Lower Upper

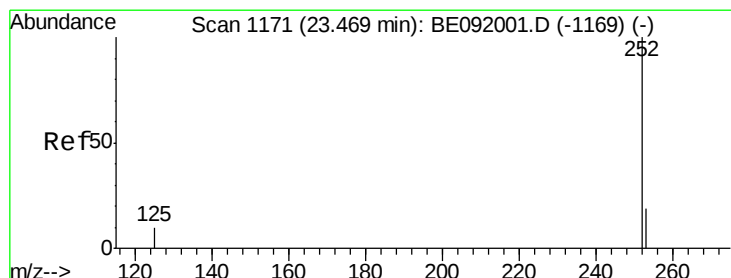
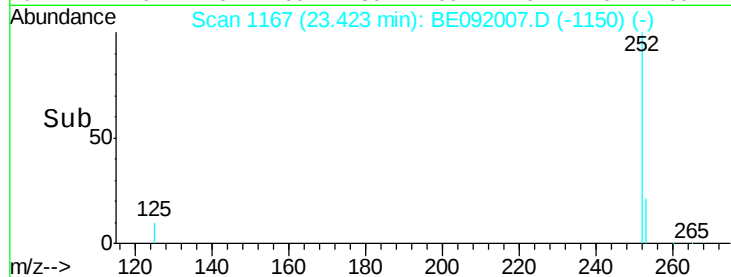
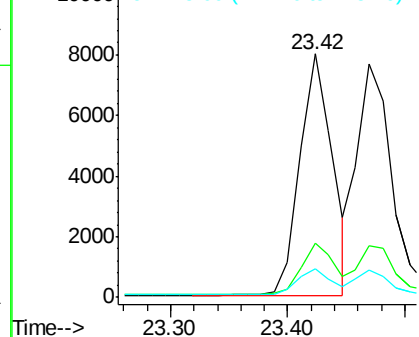
252 100

253 22.4 17.8 26.6

125 11.5 9.4 14.2



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



#42

Benzo(k)fluoranthene

Concen: 0.39 ng

RT: 23.47 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

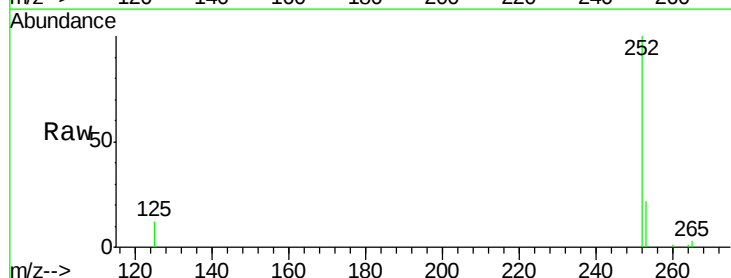
Tgt Ion:252 Resp: 15891

Ion Ratio Lower Upper

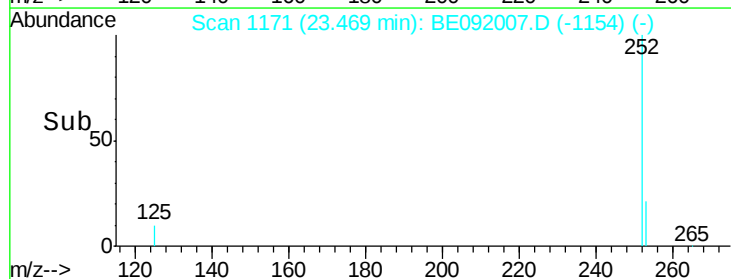
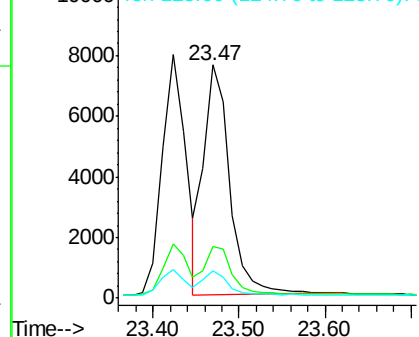
252 100

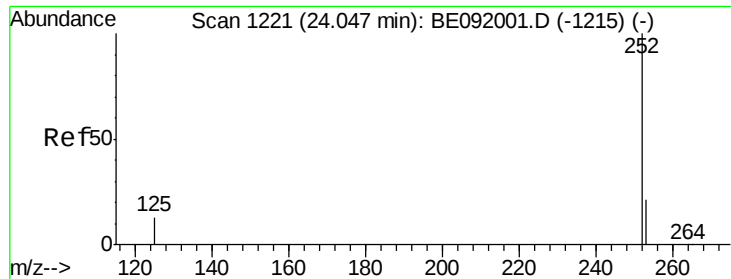
253 21.9 19.4 29.2

125 11.6 8.3 12.5



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





#43

Benzo(a)pyrene

Concen: 0.37 ng

RT: 24.05 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216

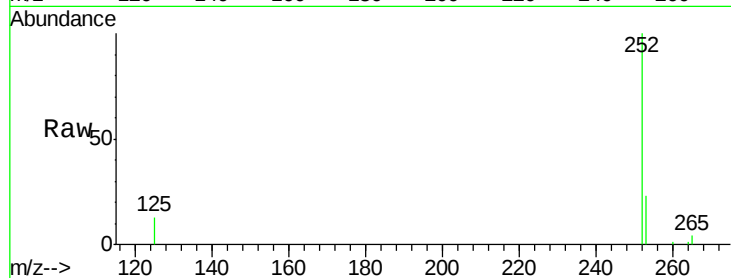
Tgt Ion:252 Resp: 13866

Ion Ratio Lower Upper

252 100

253 22.6 18.9 28.3

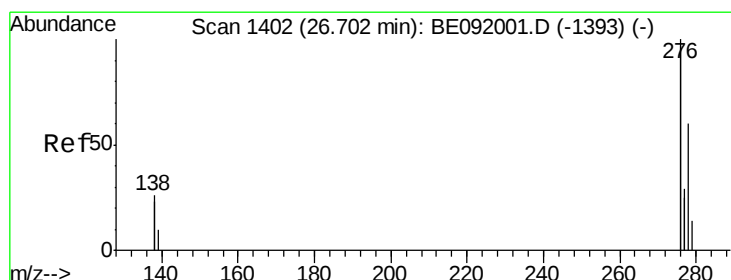
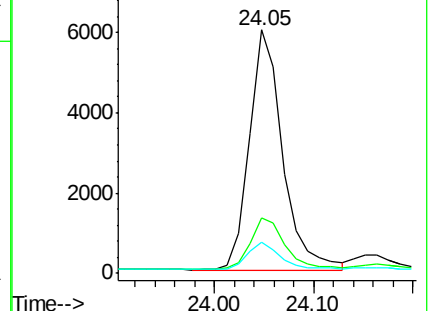
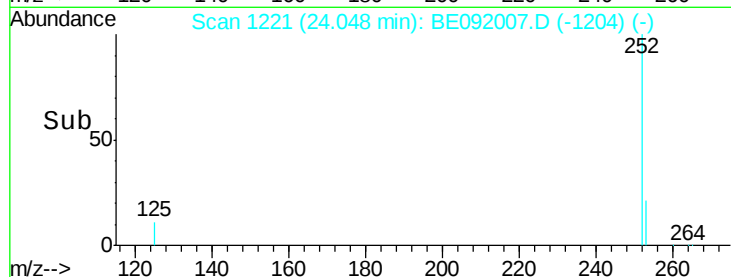
125 12.9 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 0.37 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BE092007.D

Acq: 22 Jul 2016 15:29

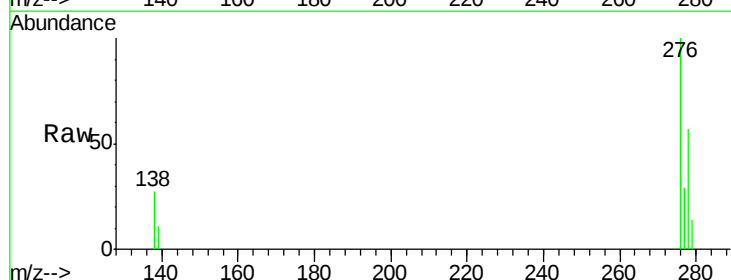
Tgt Ion:278 Resp: 12277

Ion Ratio Lower Upper

278 100

139 18.4 12.6 18.8

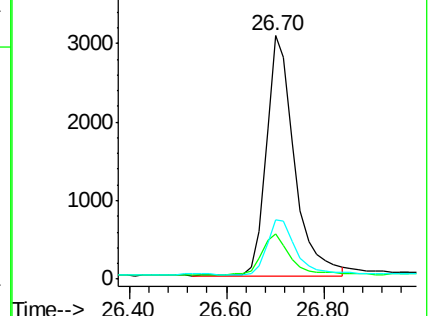
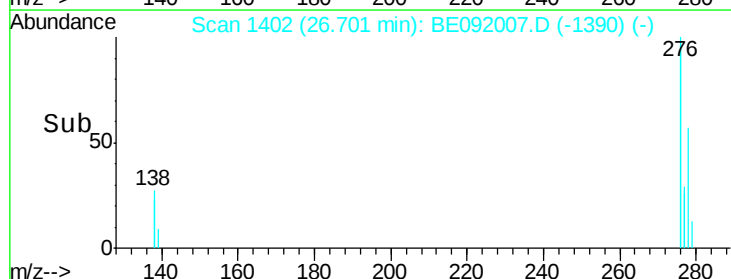
279 24.3 20.0 30.0

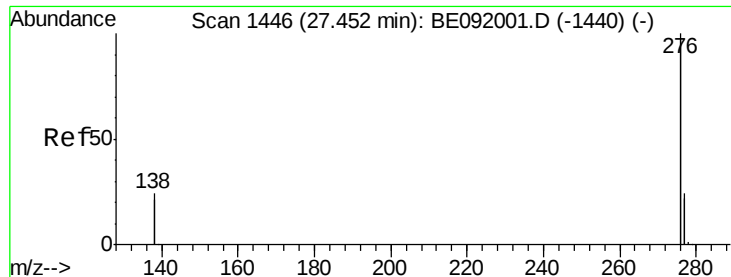


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 0.38 ng

RT: 27.45 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BE092007.D

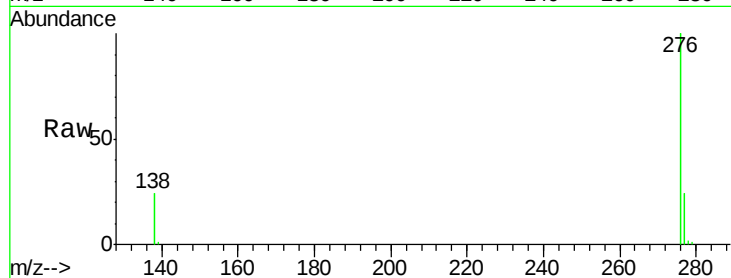
Acq: 22 Jul 2016 15:29

Instrument :

BNA_E

ClientSampleId :

ICVBE072216



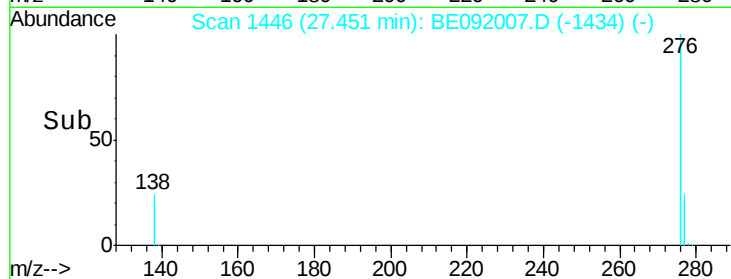
Tgt Ion: 276 Resp: 52266

Ion Ratio Lower Upper

276 100

277 23.8 19.5 29.3

138 24.4 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

