

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020117\
 Data File : BE092709.D
 Acq On : 1 Feb 2017 11:12
 Operator : SJ/MA
 Sample : I1505-06RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 01 12:28:34 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	10983	5.00	ng	-0.02
7) Naphthalene-d8	10.91	136	48397	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	29115	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	68514	5.00	ng	0.00
24) Chrysene-d12	21.72	240	65098	5.00	ng	0.00
31) Perylene-d12	24.06	264	26357	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.63	112	17002	6.93	ng	-0.02
5) Phenol-d6	7.31	99	14758	4.91	ng	-0.02
8) Nitrobenzene-d5	9.29	82	17044	5.43	ng	-0.05
13) 2,4,6-Tribromophenol	16.27	330	11003	12.72	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	39973	5.58	ng	-0.02
26) Terphenyl-d14	20.14	244	67572	7.34	ng	-0.02

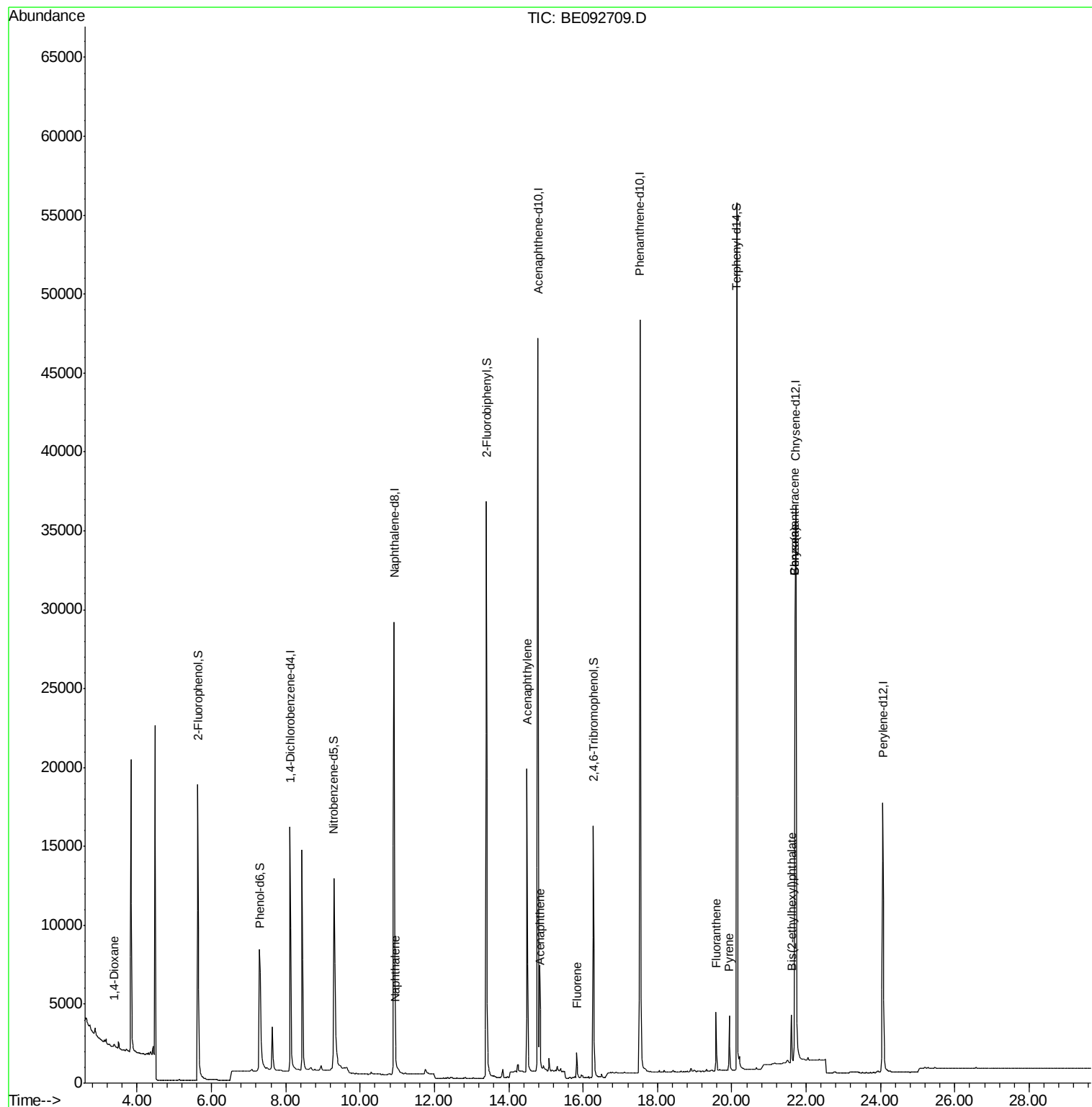
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	232	0.09	ng	# 1
9) Naphthalene	10.95	128	499	0.05	ng	# 21
15) Acenaphthylene	14.49	152	27531	0.69	ng	99
16) Acenaphthene	14.85	154	1567	0.24	ng	96
17) Fluorene	15.83	166	1249	0.15	ng	# 99
19) Hexachlorobenzene	16.66	284	115	Below Cal		# 39
23) Fluoranthene	19.58	202	4603	0.07	ng	99
25) Pyrene	19.93	202	4590	0.07	ng	99
27) Benzo(a)anthracene	21.70	228	1505	0.02	ng	# 63
28) Chrysene	21.70	228	1505	0.02	ng	# 70
29) Bis(2-ethylhexyl)phthalate	21.61	149	3596	0.48	ng	# 70

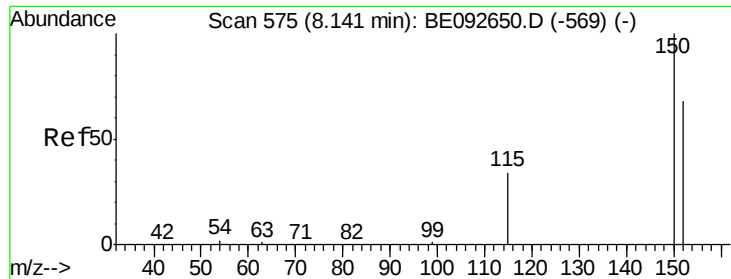
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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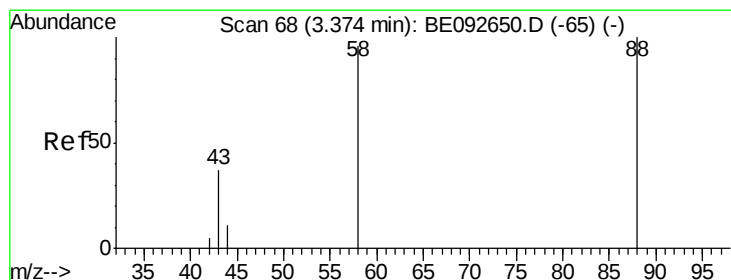
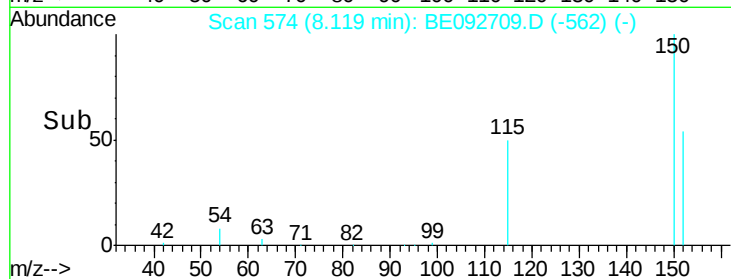
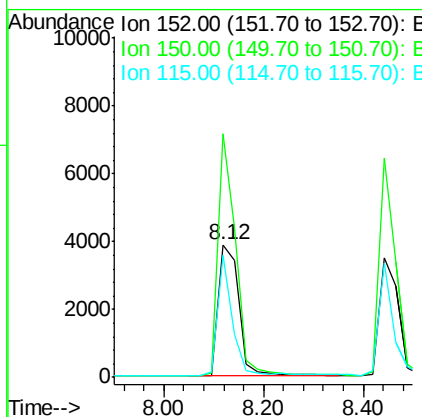
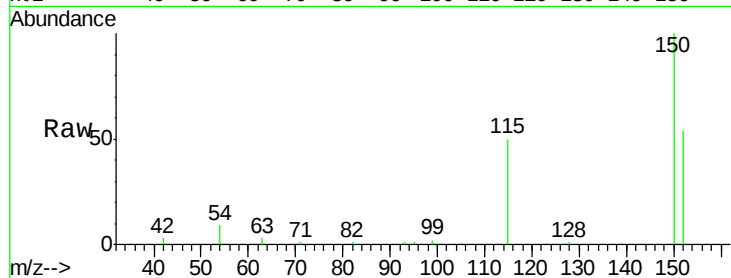




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.12 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BE092709.D
 Acq: 1 Feb 2017 11:12

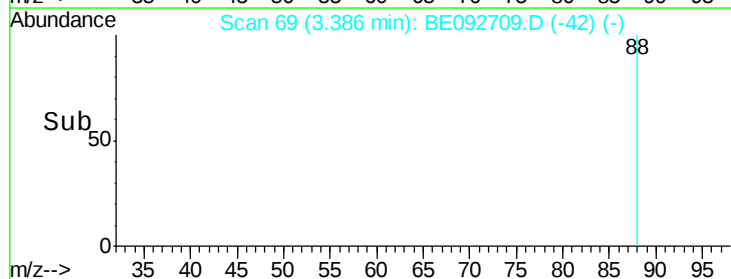
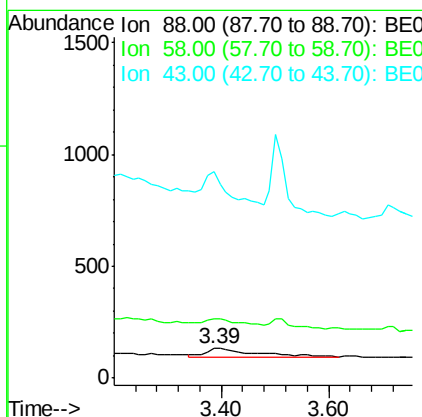
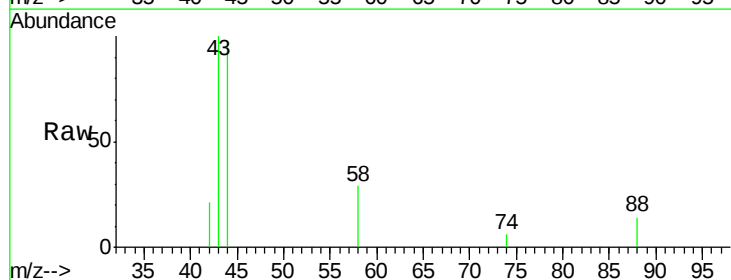
Instrument :
 BNA_E
 ClientSampleId :

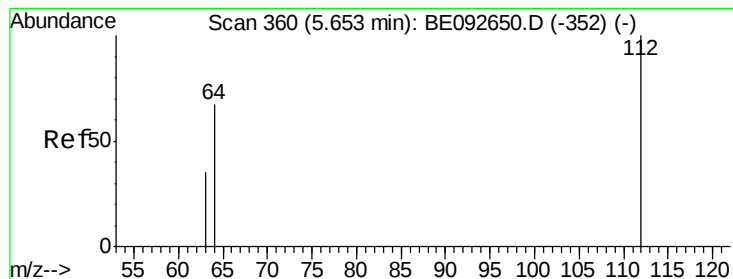
Tot Ion:152 Resp: 10983
 Ion Ratio Lower Upper
 152 100
 150 184.0 106.0 159.0#
 115 92.1 31.2 46.8#



#2
 1,4-Dioxane
 Concen: 0.09 ng
 RT: 3.39 min Scan# 69
 Delta R.T. 0.01 min
 Lab File: BE092709.D
 Acq: 1 Feb 2017 11:12

Tgt Ion: 88 Resp: 232
 Ion Ratio Lower Upper
 88 100
 58 45.3 63.6 95.4#
 43 180.6 28.0 42.0#





#4

2-Fluorophenol

Concen: 6.93 ng

RT: 5.63 min Scan# 357

Delta R.T. -0.02 min

Lab File: BE092709.D

Acq: 1 Feb 2017 11:12

Instrument :

BNA_E

ClientSampleId :

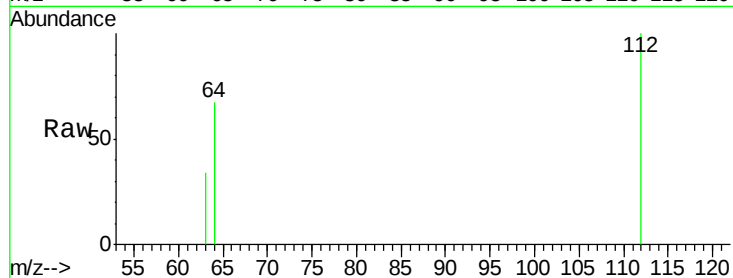
Tot Ion:112 Resp: 17002

Ion Ratio Lower Upper

112 100

64 67.9 53.5 80.3

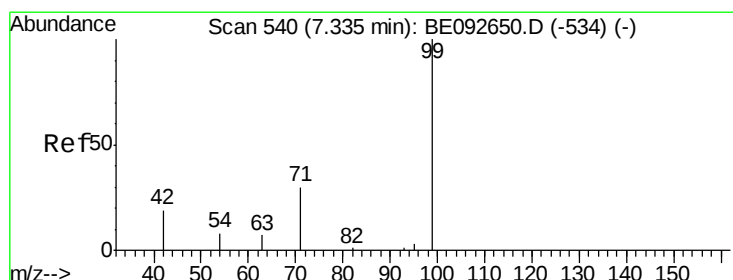
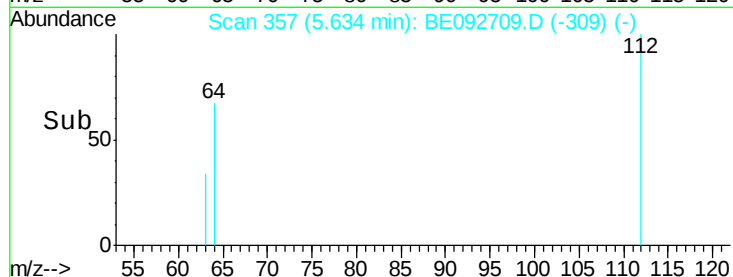
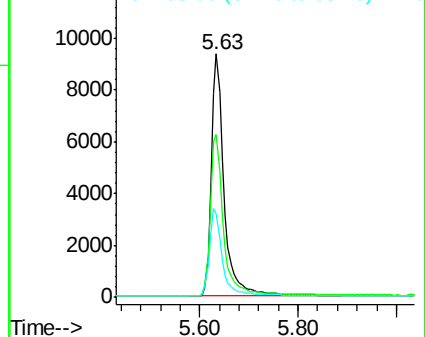
63 36.2 27.9 41.9



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: 4.91 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092709.D

Acq: 1 Feb 2017 11:12

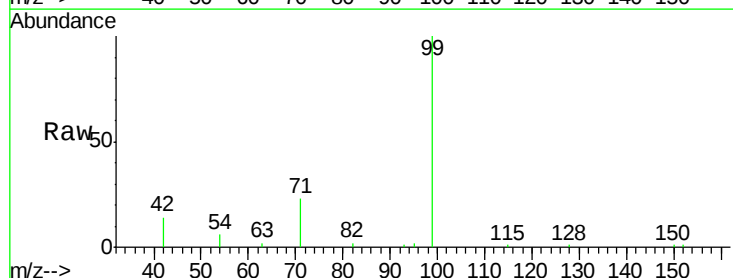
Tgt Ion: 99 Resp: 14758

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

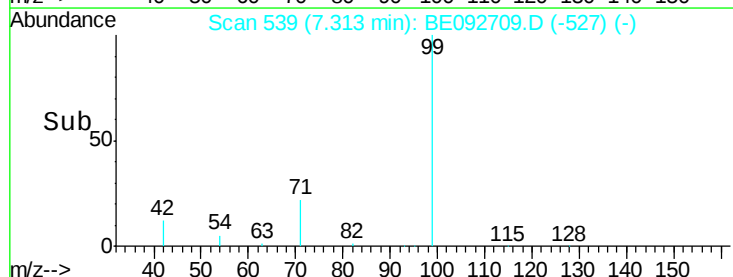
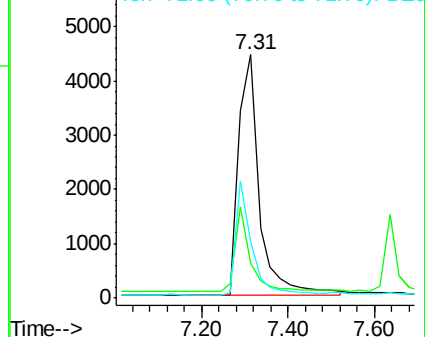
71 0.0 30.6 45.8#

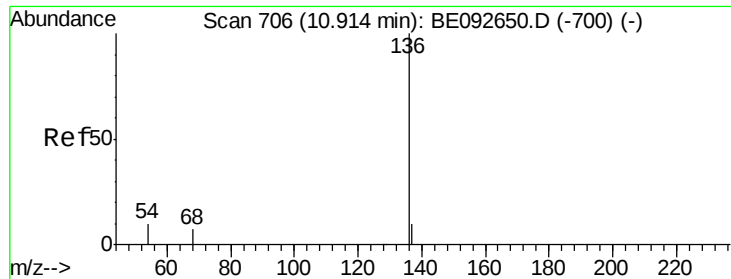


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092709.D

Acq: 1 Feb 2017 11:12

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 48397

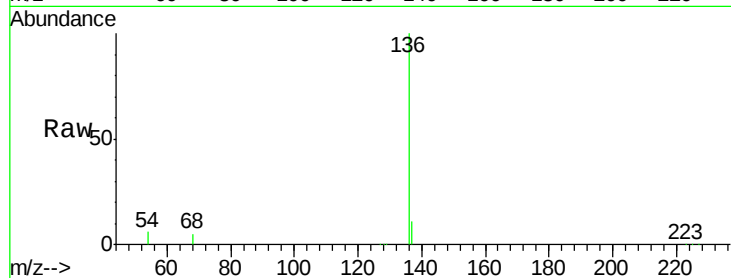
Ion Ratio Lower Upper

136 100

137 11.4 8.2 12.4

54 6.3 9.6 14.4#

68 4.9 6.7 10.1#

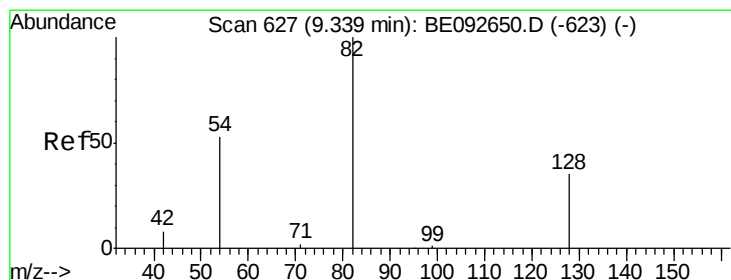
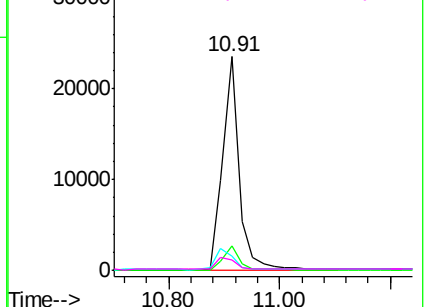
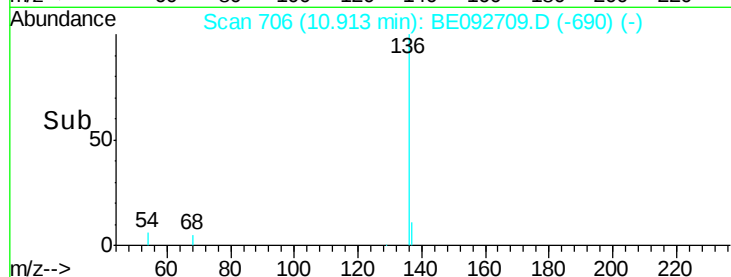


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 5.43 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.05 min

Lab File: BE092709.D

Acq: 1 Feb 2017 11:12

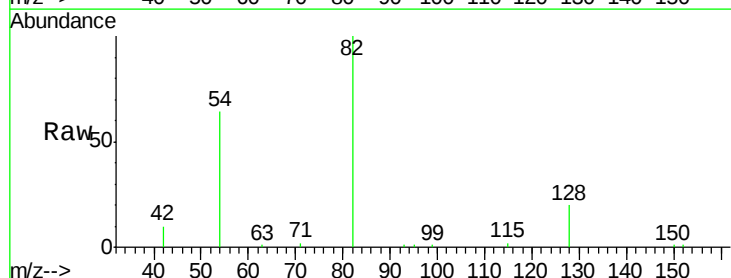
Tgt Ion: 82 Resp: 17044

Ion Ratio Lower Upper

82 100

128 19.9 39.0 58.4#

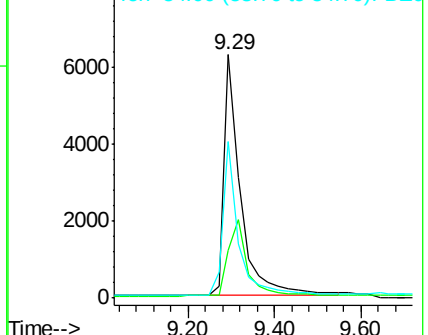
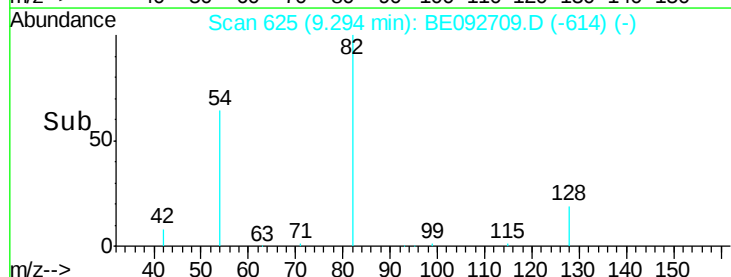
54 64.3 44.8 67.2

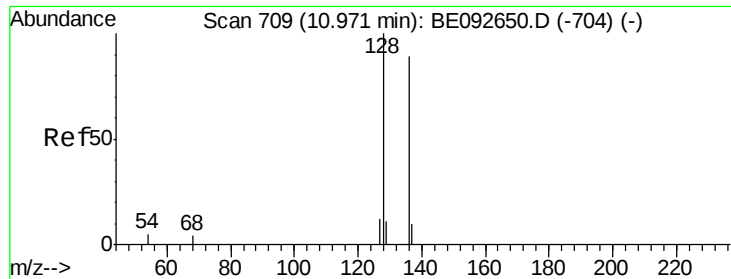


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.05 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092709.D

Acq: 1 Feb 2017 11:12

Instrument :

BNA_E

ClientSampleId :

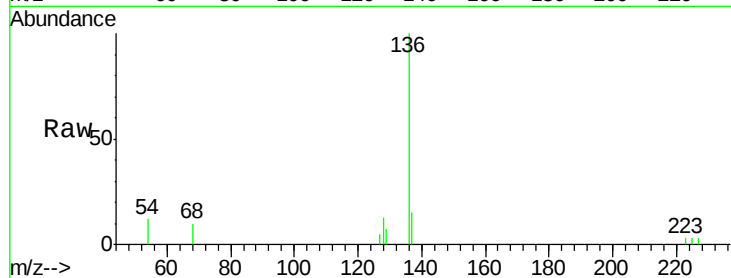
Tot Ion:128 Resp: 499

Ion Ratio Lower Upper

128 100

129 52.0 11.2 16.8#

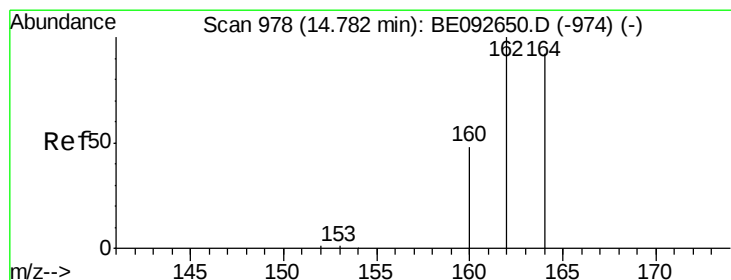
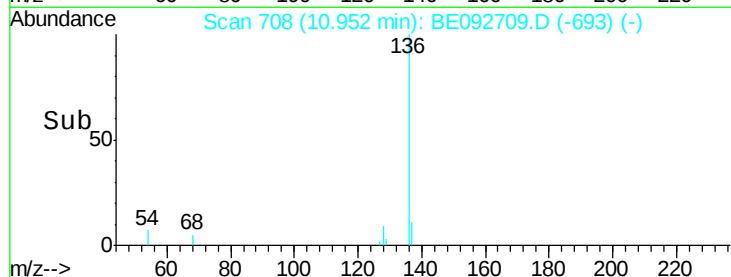
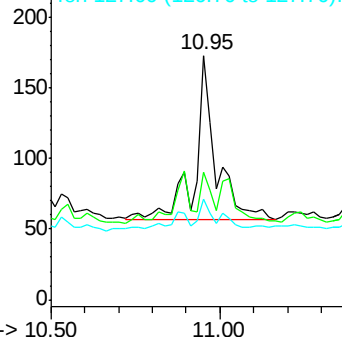
127 41.0 11.6 17.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. -0.00 min

Lab File: BE092709.D

Acq: 1 Feb 2017 11:12

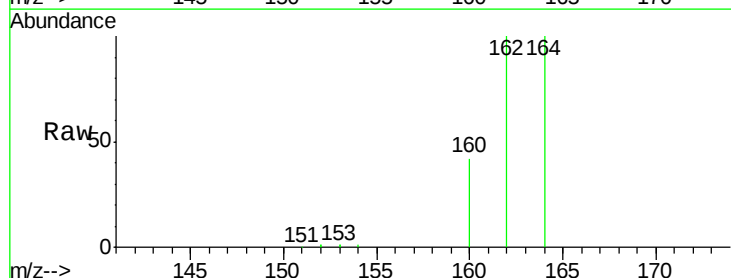
Tgt Ion:164 Resp: 29115

Ion Ratio Lower Upper

164 100

162 100.0 71.4 107.0

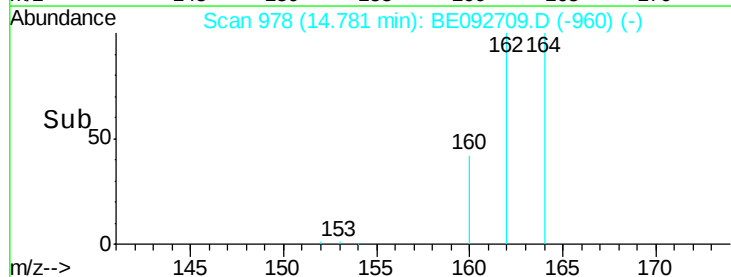
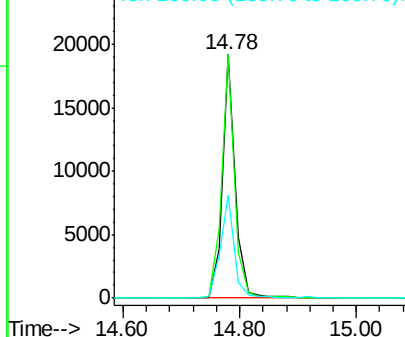
160 42.1 27.4 41.2#

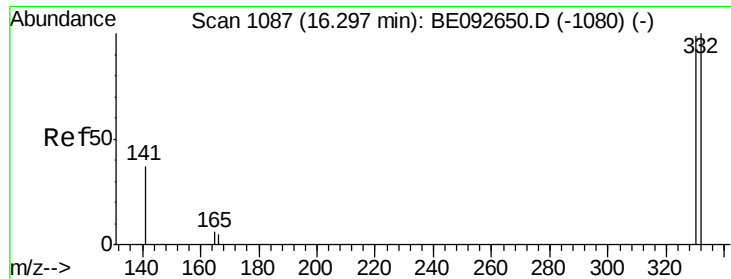


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

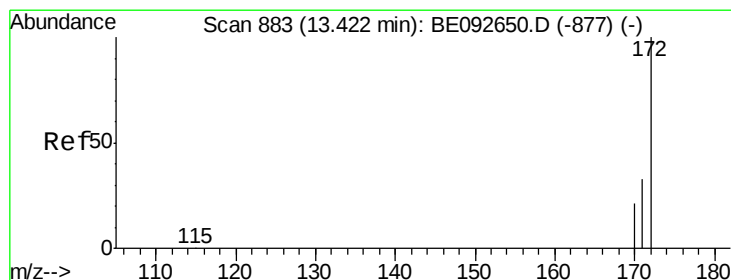
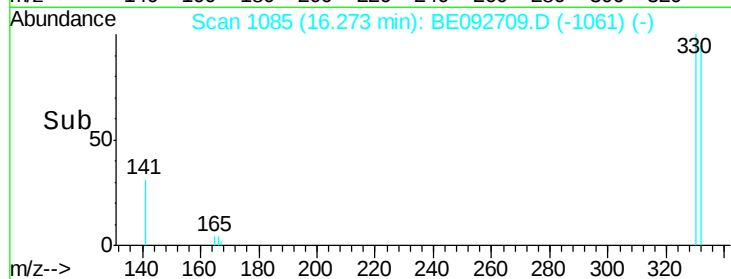
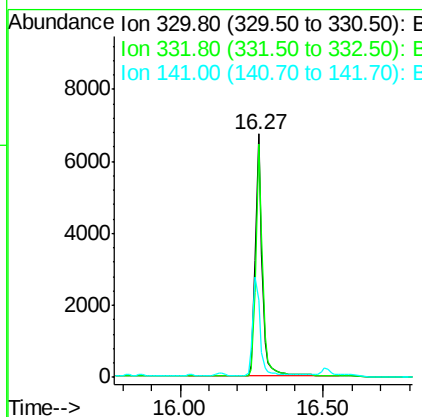
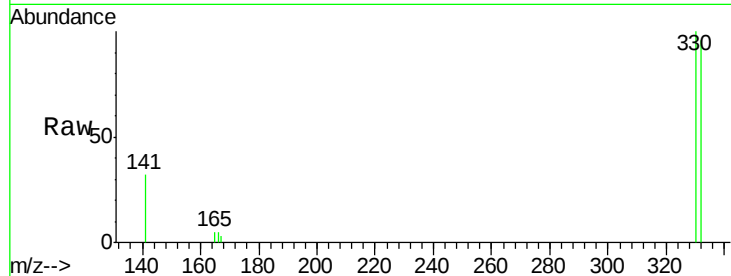




#13
 2,4,6-Tribromophenol
 Concen: 12.72 ng
 RT: 16.27 min Scan# 1085
 Delta R.T. -0.02 min
 Lab File: BE092709.D
 Acq: 1 Feb 2017 11:12

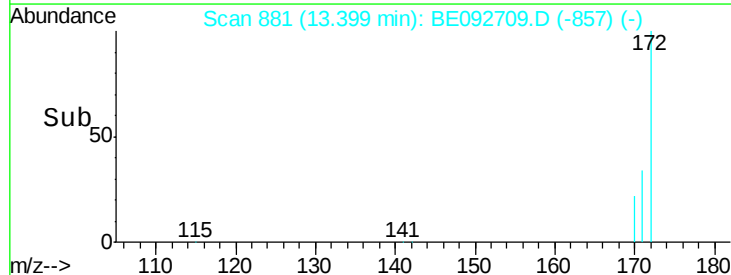
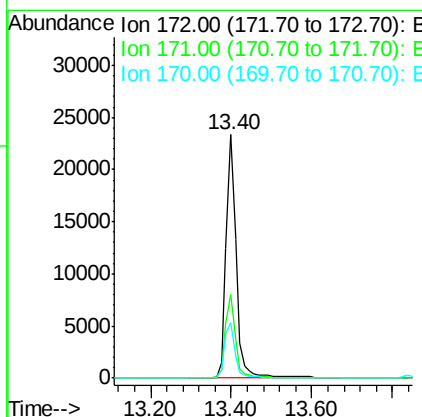
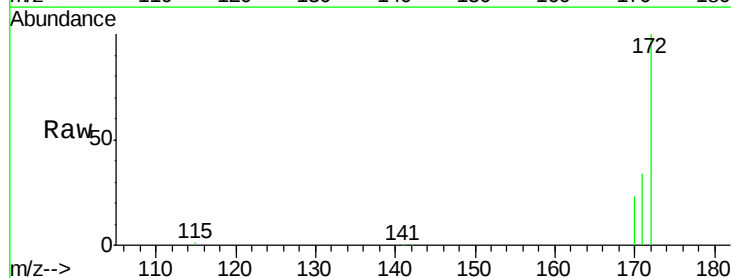
Instrument :
 BNA_E
 ClientSampleId :

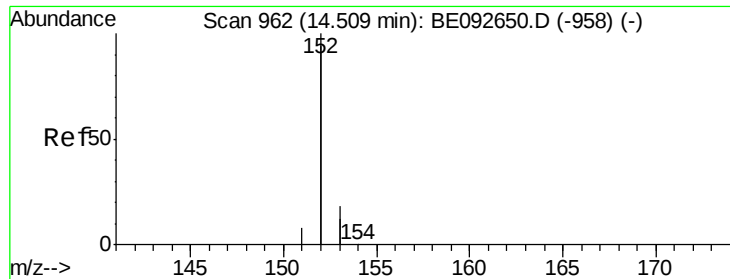
Tot Ion:330 Resp: 11003
 Ion Ratio Lower Upper
 330 100
 332 97.0 75.4 113.0
 141 43.2 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 5.58 ng
 RT: 13.40 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BE092709.D
 Acq: 1 Feb 2017 11:12

Tgt Ion:172 Resp: 39973
 Ion Ratio Lower Upper
 172 100
 171 34.2 30.1 45.1
 170 22.5 21.8 32.6

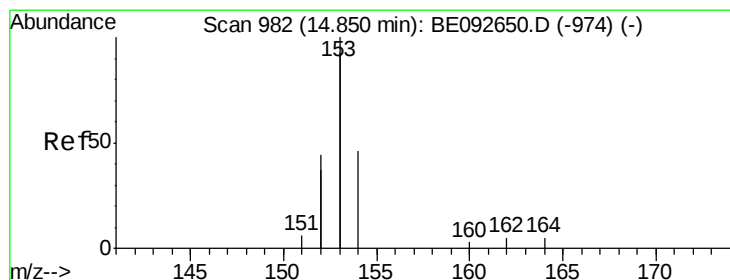
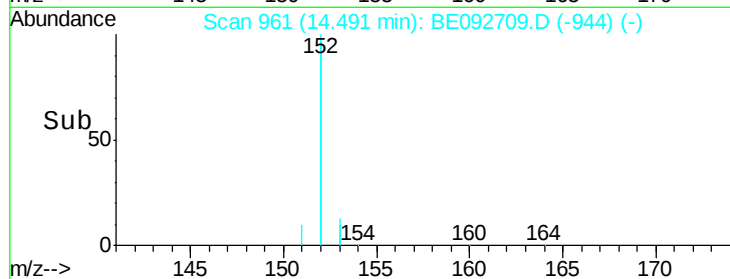
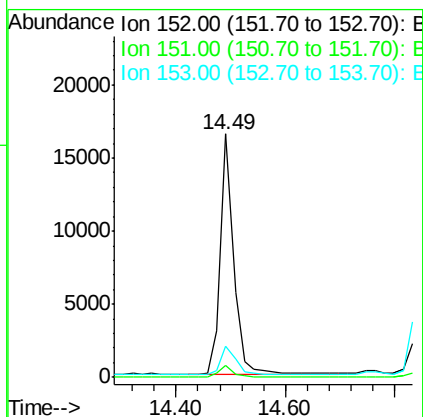
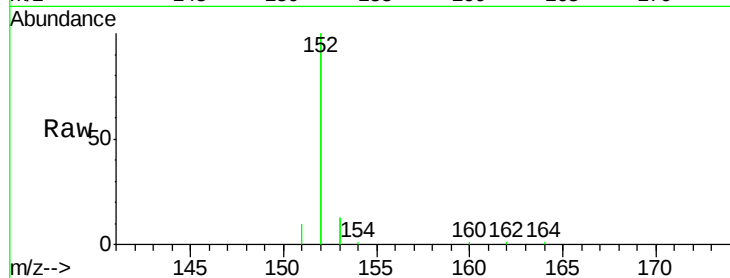




#15
Acenaphthylene
Concen: 0.69 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092709.D
Acq: 1 Feb 2017 11:12

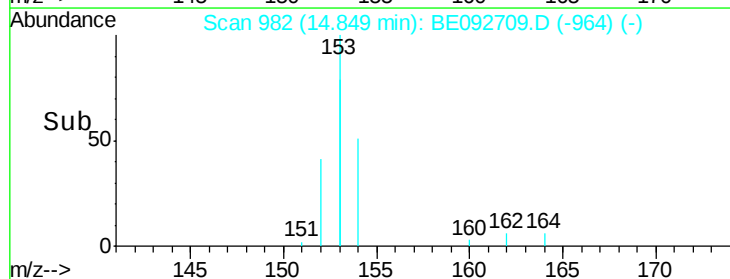
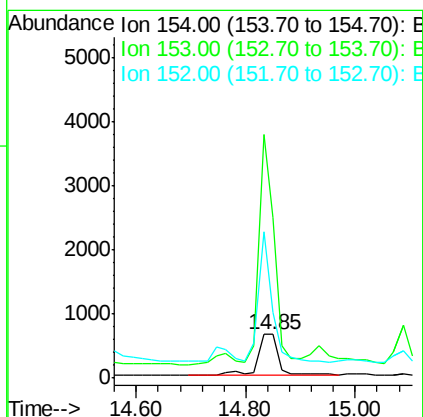
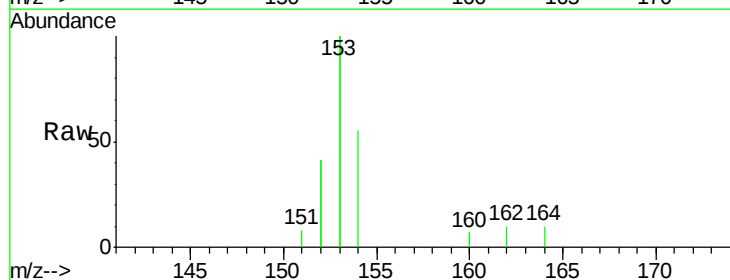
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ClientSampleId :

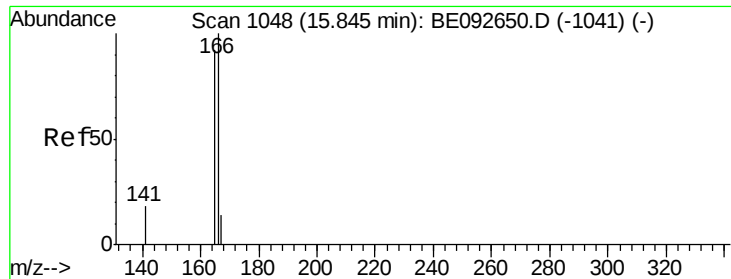
Tot Ion:152 Resp: 27531
Ion Ratio Lower Upper
152 100
151 4.9 3.9 5.9
153 13.3 10.4 15.6



#16
Acenaphthene
Concen: 0.24 ng
RT: 14.85 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE092709.D
Acq: 1 Feb 2017 11:12

Tgt Ion:154 Resp: 1567
Ion Ratio Lower Upper
154 100
153 429.9 350.8 526.2
152 223.5 171.1 256.7

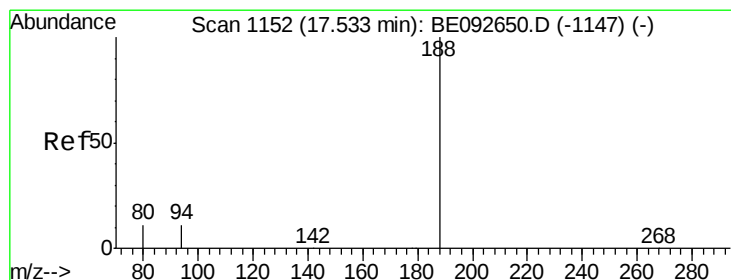
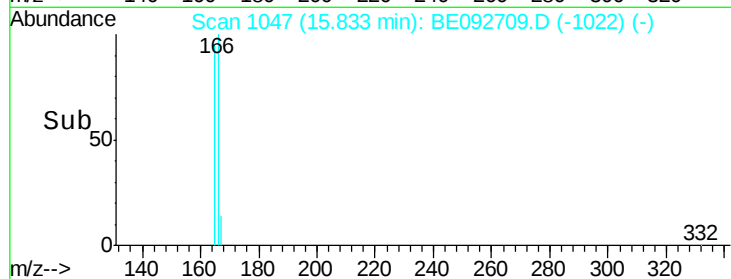
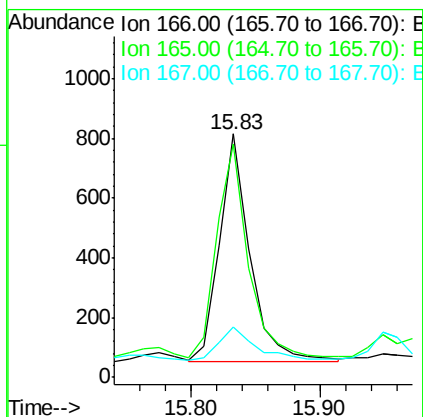
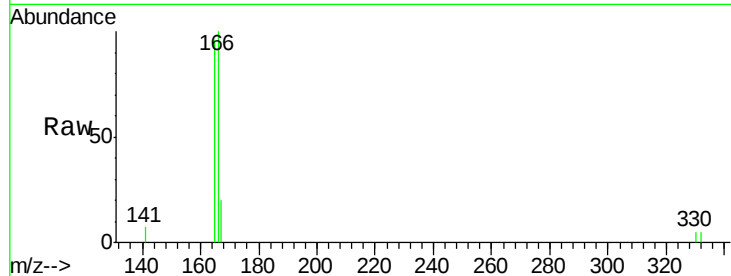




#17
Fluorene
 Concen: 0.15 ng
 RT: 15.83 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BE092709.D
 Acq: 1 Feb 2017 11:12

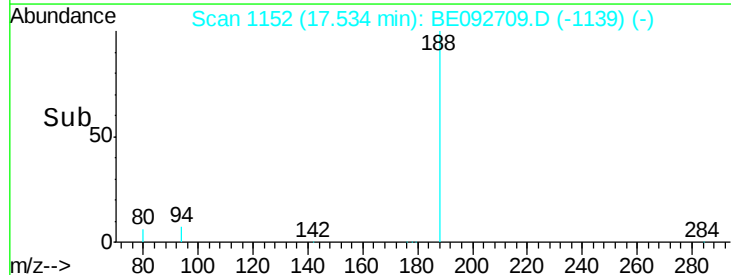
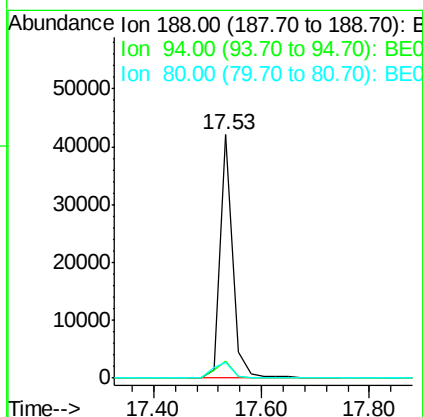
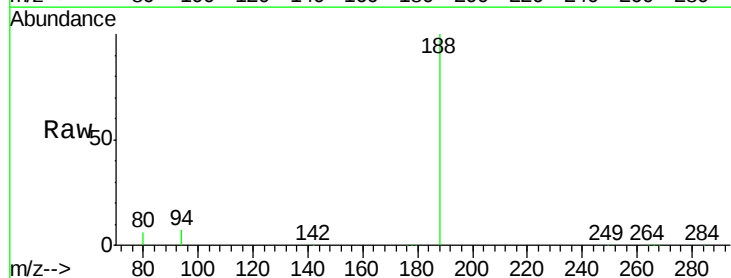
Instrument :
 BNA_E
 ClientSampled :

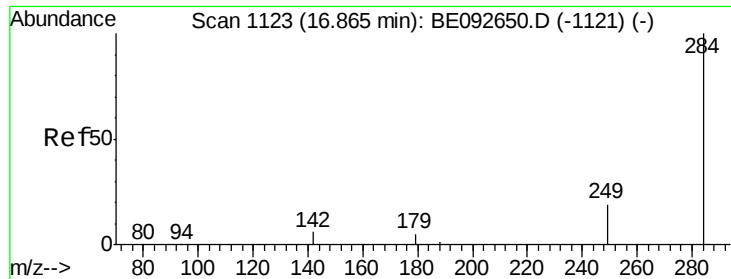
Tot Ion:166 Resp: 1249
 Ion Ratio Lower Upper
 166 100
 165 97.8 78.2 117.4
 167 16.8 11.0 16.4#



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.53 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BE092709.D
 Acq: 1 Feb 2017 11:12

Tgt Ion:188 Resp: 68514
 Ion Ratio Lower Upper
 188 100
 94 7.1 3.2 4.8#
 80 6.4 2.6 3.8#

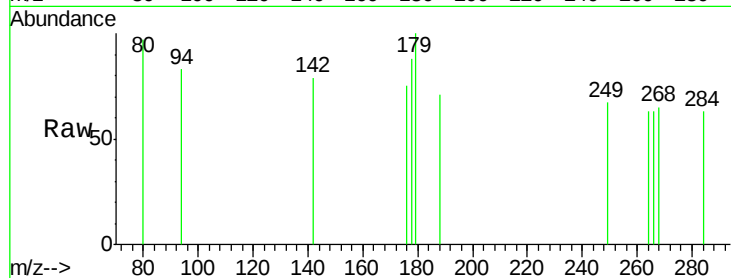




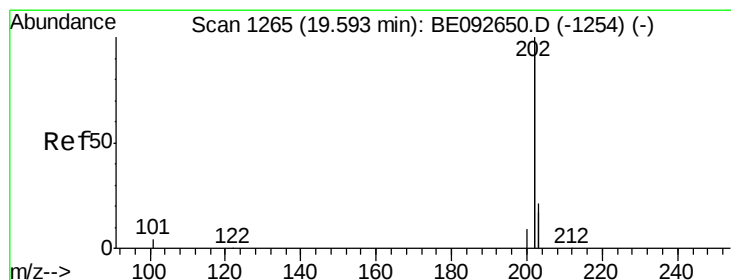
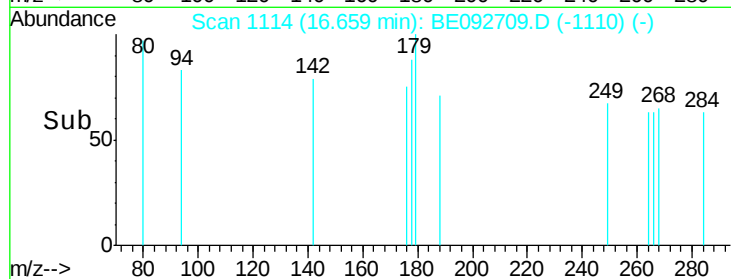
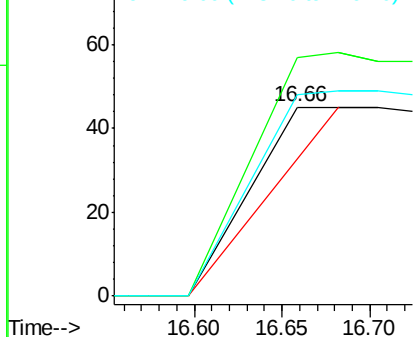
#19
Hexachlorobenzene
Concen: Below Cal
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092709.D
Acq: 1 Feb 2017 11:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 115
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#

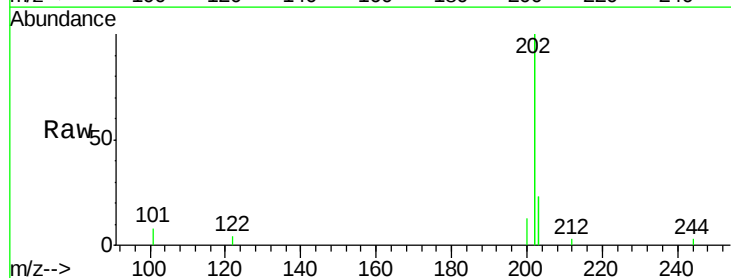


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

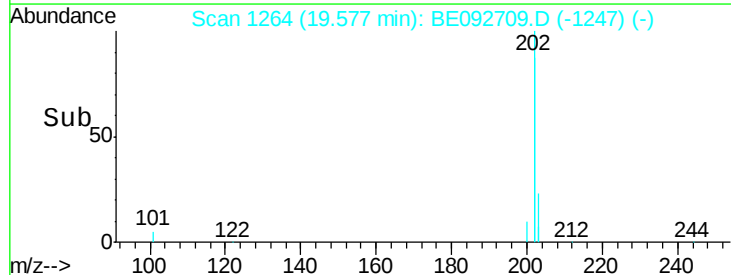
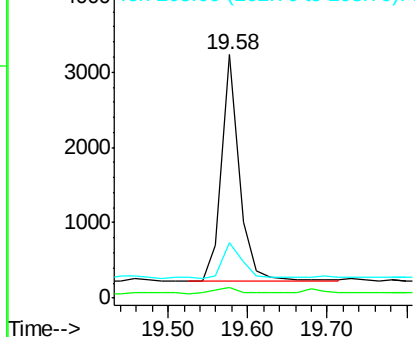


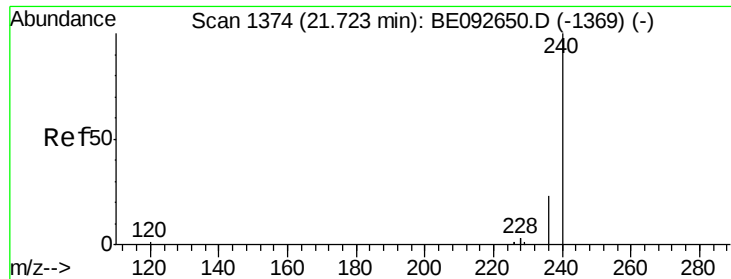
#23
Fluoranthene
Concen: 0.07 ng
RT: 19.58 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BE092709.D
Acq: 1 Feb 2017 11:12

Tgt Ion:202 Resp: 4603
Ion Ratio Lower Upper
202 100
101 3.0 2.2 3.4
203 16.6 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

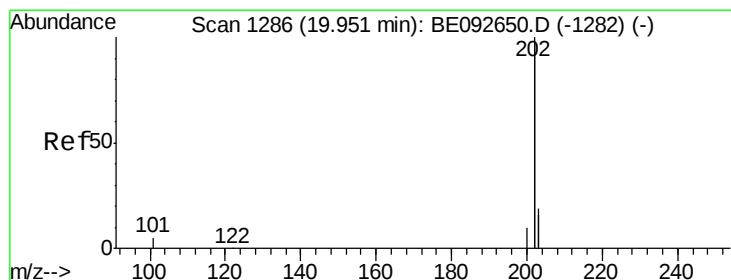
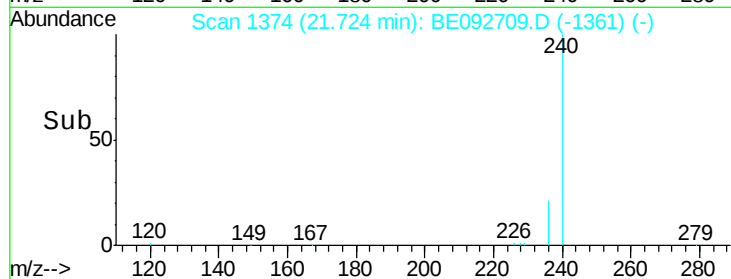
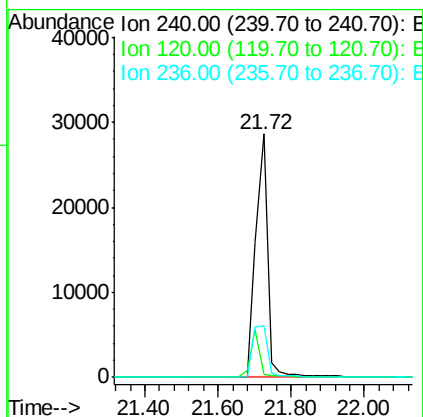
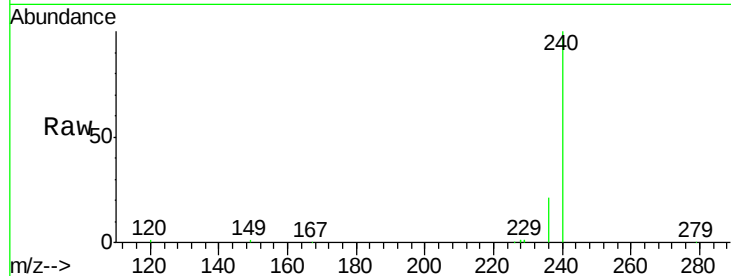




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092709.D
Acq: 1 Feb 2017 11:12

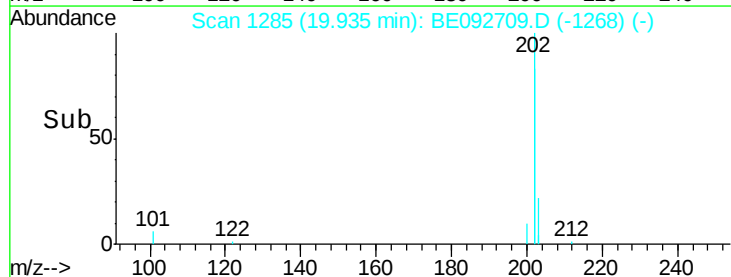
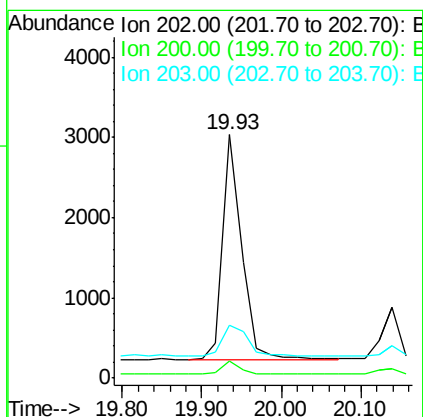
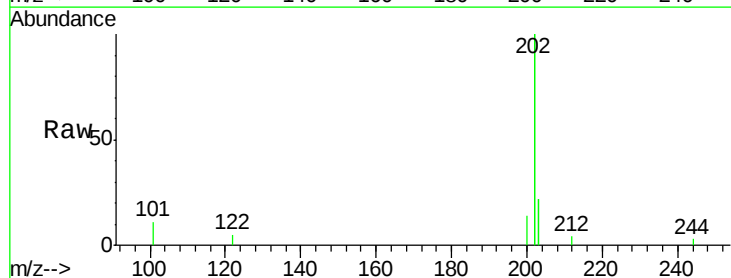
Instrument :
BNA_E
ClientSampleId :

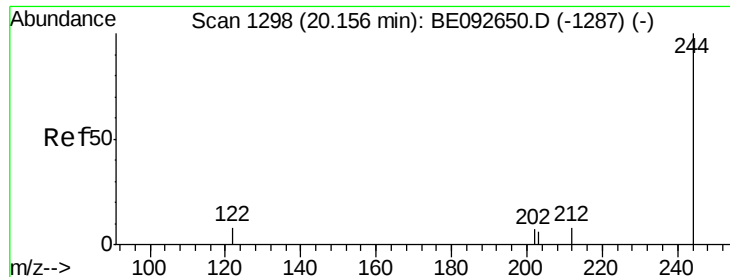
Tot Ion:240 Resp: 65098
Ion Ratio Lower Upper
240 100
120 1.3 2.6 4.0#
236 21.4 24.6 37.0#



#25
Pyrene
Concen: 0.07 ng
RT: 19.93 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BE092709.D
Acq: 1 Feb 2017 11:12

Tgt Ion:202 Resp: 4590
Ion Ratio Lower Upper
202 100
200 5.5 4.2 6.4
203 18.0 13.9 20.9

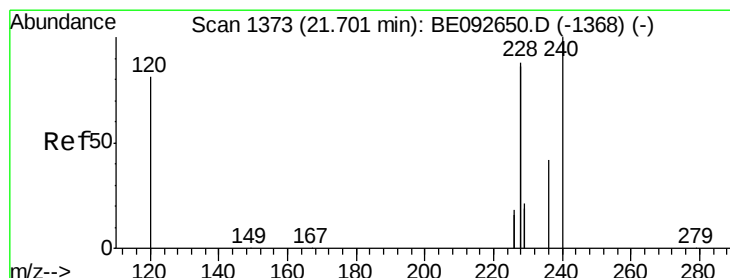
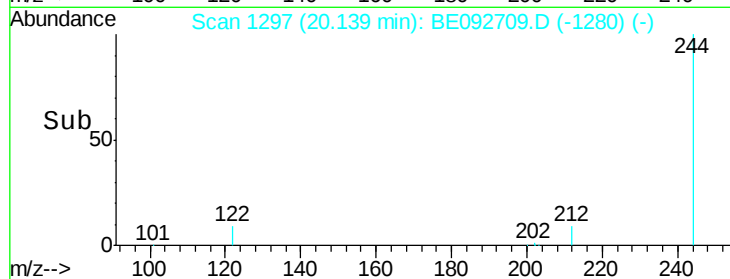
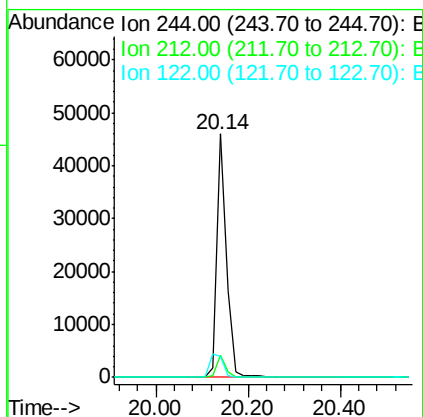
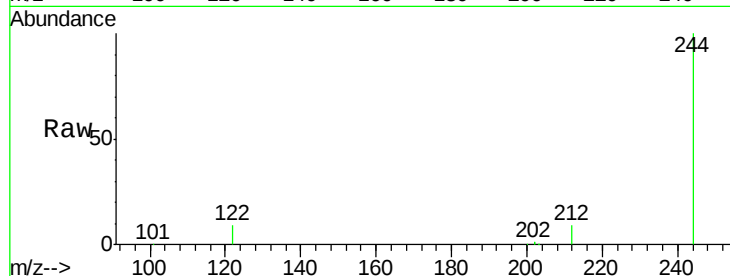




#26
 Terphenyl-d14
 Concen: 7.34 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BE092709.D
 Acq: 1 Feb 2017 11:12

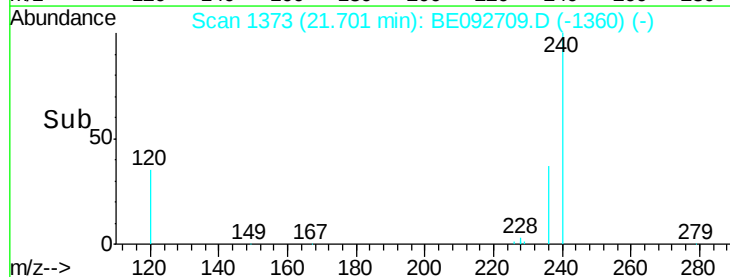
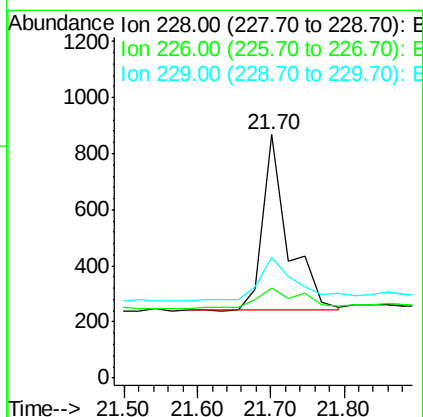
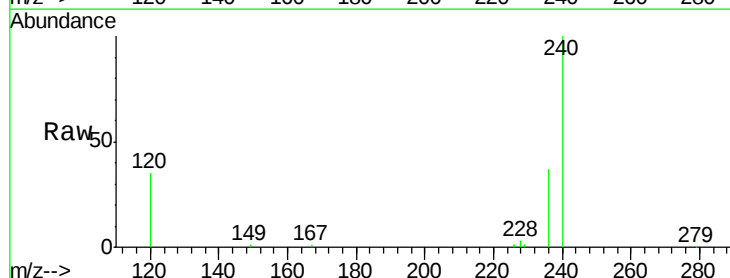
Instrument :
 BNA_E
 ClientSampleId :

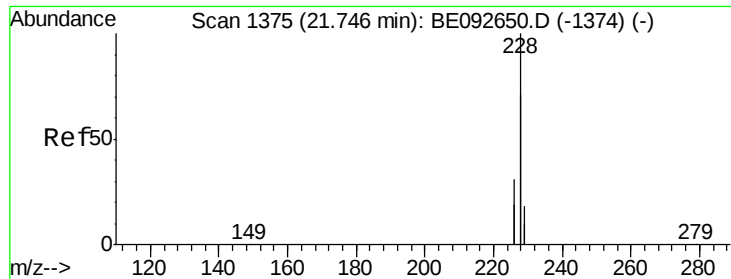
Tot Ion:244 Resp: 67572
 Ion Ratio Lower Upper
 244 100
 212 9.2 6.7 10.1
 122 8.8 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.70 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092709.D
 Acq: 1 Feb 2017 11:12

Tgt Ion:228 Resp: 1505
 Ion Ratio Lower Upper
 228 100
 226 37.1 23.6 35.4#
 229 49.5 13.3 19.9#

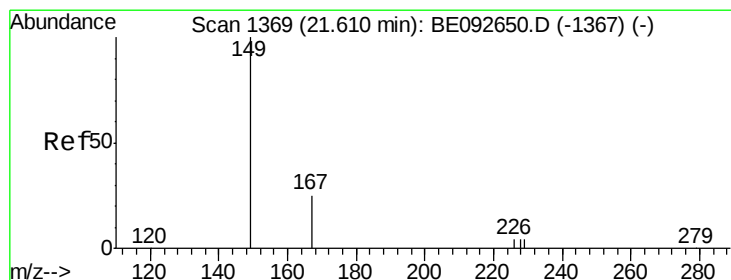
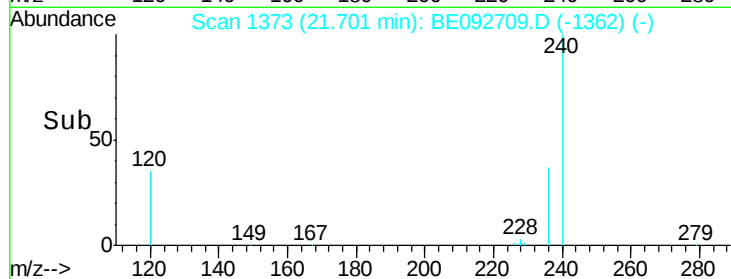
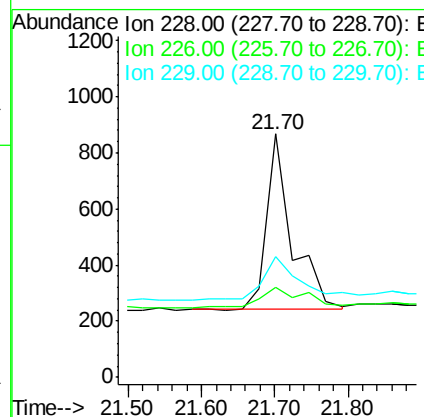
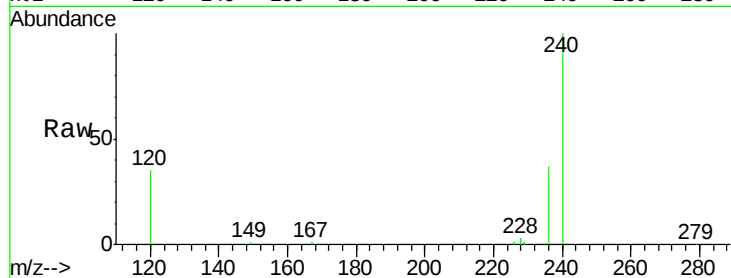




#28
 Chrvsene
 Concen: 0.02 ng
 RT: 21.70 min Scan# 1373
 Delta R.T. -0.04 min
 Lab File: BE092709.D
 Acq: 1 Feb 2017 11:12

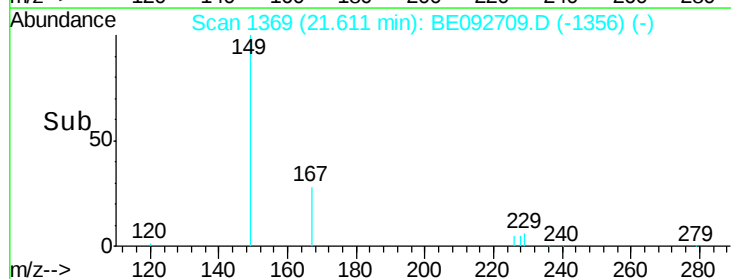
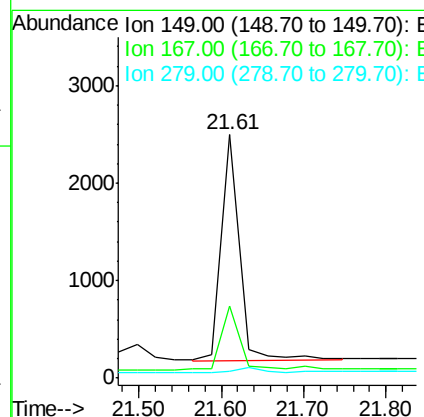
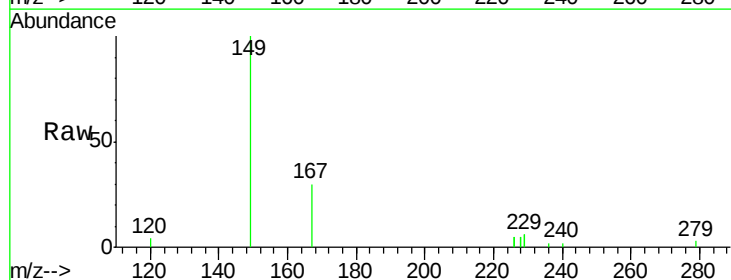
Instrument :
 BNA_E
 ClientSampleId :

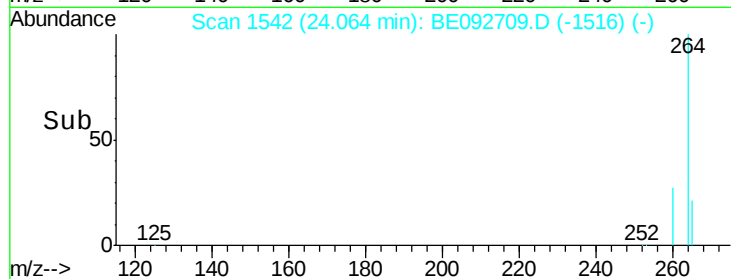
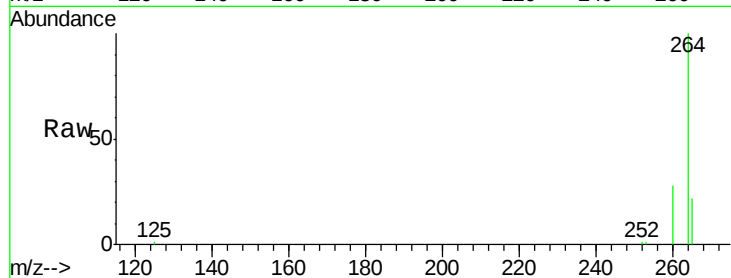
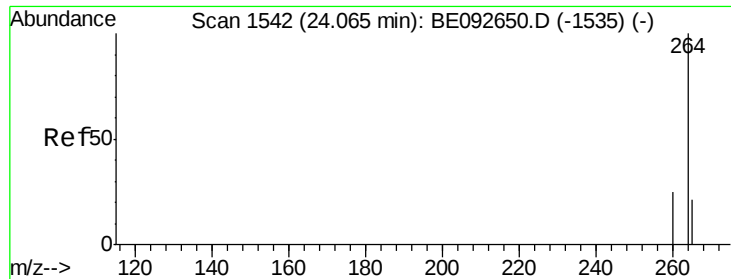
Tot Ion:228 Resp: 1505
 Ion Ratio Lower Upper
 228 100
 226 37.1 36.3 54.5
 229 49.5 10.6 16.0#



#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.48 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BE092709.D
 Acq: 1 Feb 2017 11:12

Tgt Ion:149 Resp: 3596
 Ion Ratio Lower Upper
 149 100
 167 27.8 16.0 24.0#
 279 0.0 16.0 24.0#





#31
 Pervlene-d12
 Concen: 5.00 ng
 RT: 24.06 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: BE092709.D
 Acq: 1 Feb 2017 11:12

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:	264	Resp:	26357
Ion Ratio	Lower	Upper	
264	100		
260	27.6	20.1	30.1
265	22.3	17.9	26.9

