

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020117\
 Data File : BE092710.D
 Acq On : 1 Feb 2017 11:51
 Operator : SJ/MA
 Sample : I1505-07DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 01 12:28:51 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

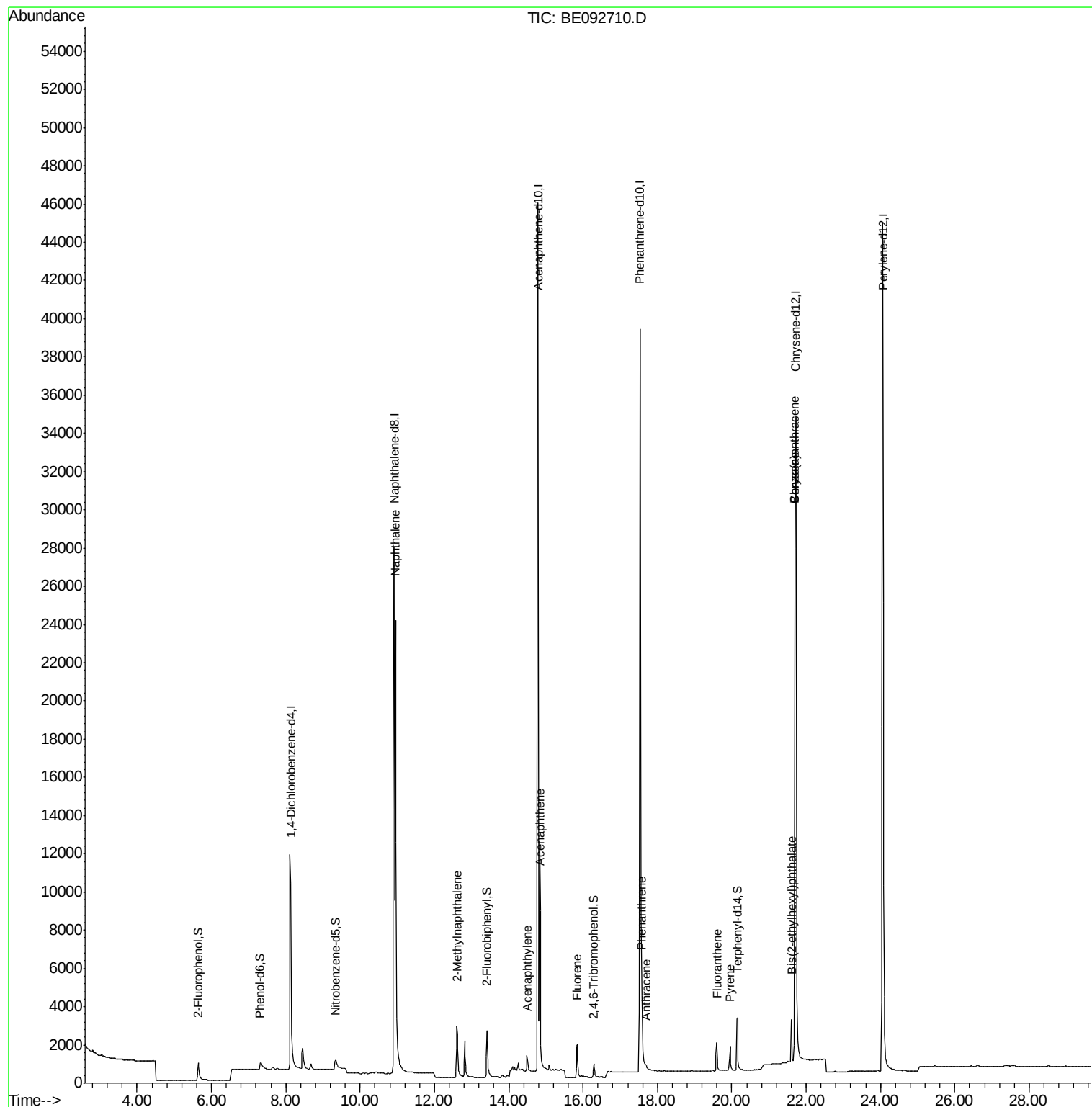
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	10323	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	47150	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	29053	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	61527	5.00	ng	0.00
24) Chrysene-d12	21.72	240	64230	5.00	ng	0.00
31) Perylene-d12	24.06	264	72859	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.64	112	1304	0.57	ng	-0.01
5) Phenol-d6	7.31	99	1027	0.36	ng	-0.02
8) Nitrobenzene-d5	9.34	82	1365	0.45	ng	0.00
13) 2,4,6-Tribromophenol	16.28	330	717	0.95	ng	-0.01
14) 2-Fluorobiphenyl	13.41	172	3767	0.53	ng	-0.01
26) Terphenyl-d14	20.16	244	5497	0.61	ng	0.00
Target Compounds						
9) Naphthalene	10.95	128	38972	3.96	ng	# 95
11) 2-Methylnaphthalene	12.60	142	3509	0.57	ng	98
15) Acenaphthylene	14.49	152	1394	0.03	ng	# 91
16) Acenaphthene	14.85	154	2974	0.46	ng	95
17) Fluorene	15.84	166	1959	0.24	ng	96
19) Hexachlorobenzene	16.66	284	114	Below Cal	#	1
21) Phenanthrene	17.58	178	3605	0.27	ng	96
22) Anthracene	17.70	178	420	0.03	ng	100
23) Fluoranthene	19.59	202	2636	0.04	ng	99
25) Pyrene	19.95	202	1992	0.03	ng	94
27) Benzo(a)anthracene	21.70	228	1462	0.02	ng	# 70
28) Chrysene	21.70	228	1462	0.02	ng	# 70
29) Bis(2-ethylhexyl)phthalate	21.61	149	2744	0.42	ng	# 70

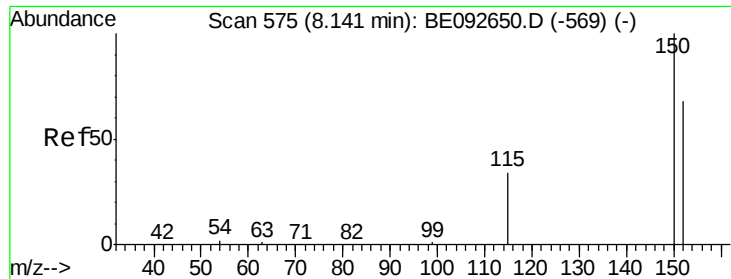
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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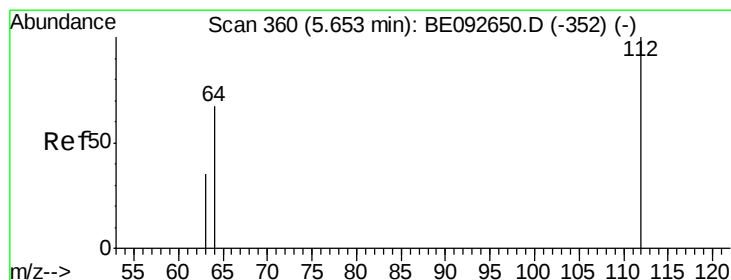
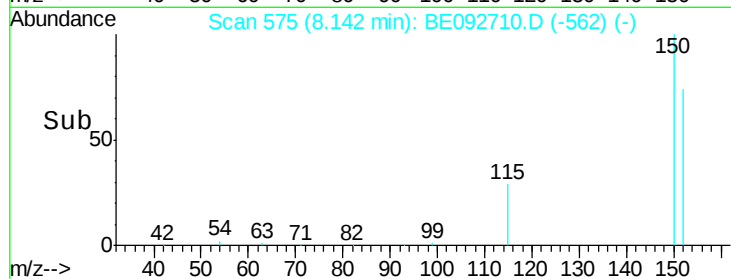
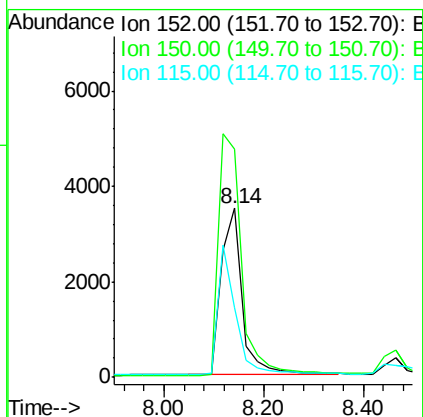
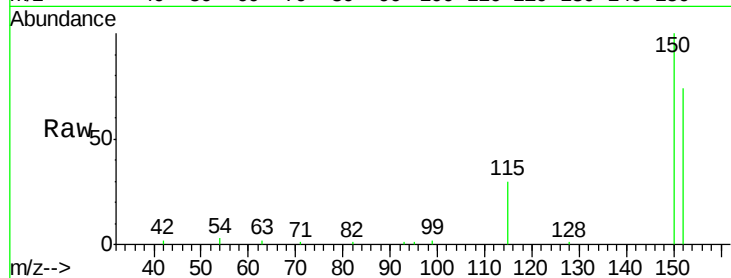


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. 0.00 min
Lab File: BE092710.D
Acq: 1 Feb 2017 11:51

Instrument :
BNA_E
ClientSampleId :

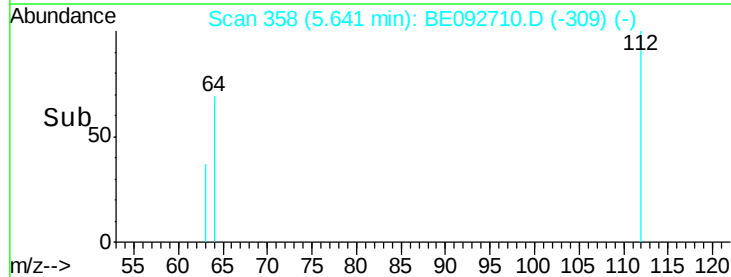
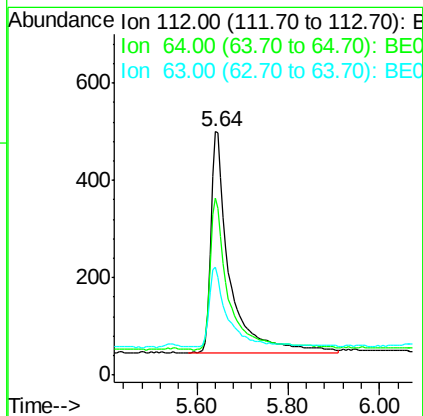
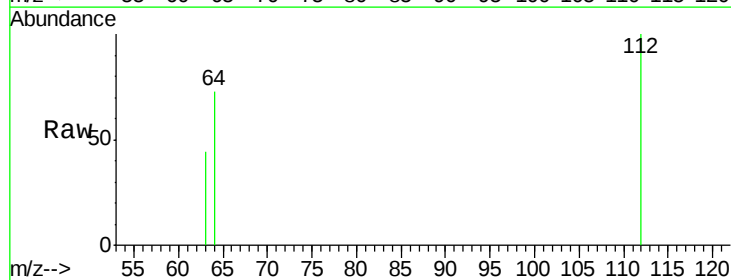
Tot Ion:152 Resp: 10323
Ion Ratio Lower Upper
152 100
150 135.0 106.0 159.0
115 41.0 31.2 46.8

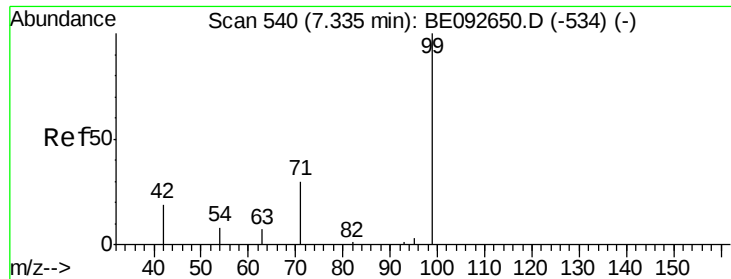


#4

2-Fluorophenol
Concen: 0.57 ng
RT: 5.64 min Scan# 358
Delta R.T. -0.01 min
Lab File: BE092710.D
Acq: 1 Feb 2017 11:51

Tgt Ion:112 Resp: 1304
Ion Ratio Lower Upper
112 100
64 66.6 53.5 80.3
63 35.7 27.9 41.9





#5

Phenol-d6

Concen: 0.36 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

Instrument :

BNA_E

ClientSampled :

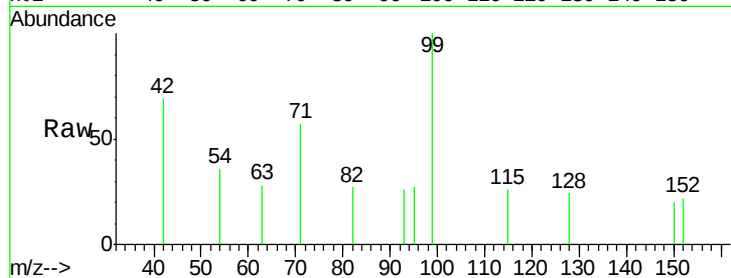
Tot Ion: 99 Resp: 1027

Ion Ratio Lower Upper

99 100

42 28.4 16.0 24.0#

71 34.5 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

7.31

250

200

150

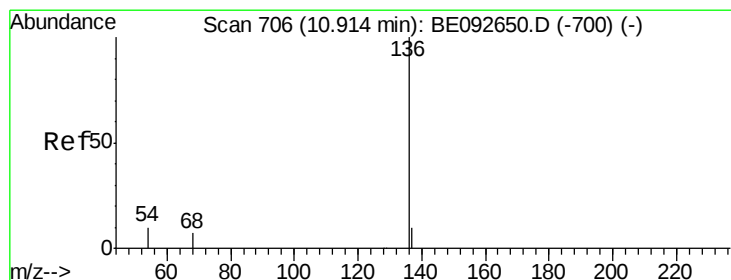
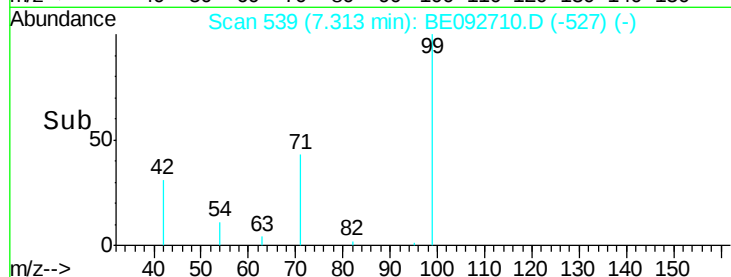
100

50

0

7.00 7.20 7.40 7.60

Time-->



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

Tgt Ion: 136 Resp: 47150

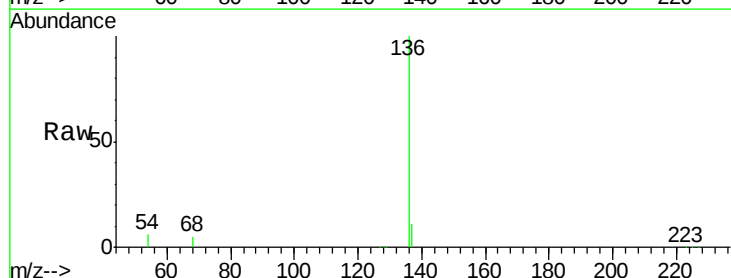
Ion Ratio Lower Upper

136 100

137 11.5 8.2 12.4

54 6.0 9.6 14.4#

68 4.7 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

10.91

30000

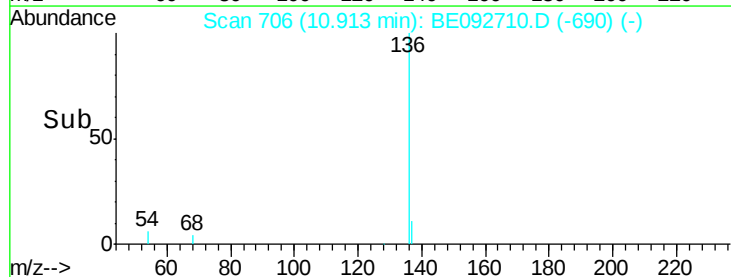
20000

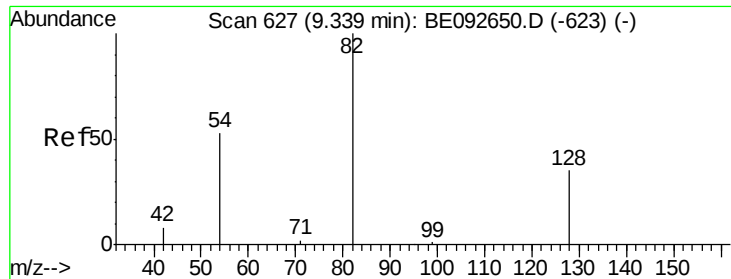
10000

0

10.60 10.80 11.00 11.20

Time-->





#8

Nitrobenzene-d5

Concen: 0.45 ng

RT: 9.34 min Scan# 627

Delta R.T. 0.00 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

Instrument :

BNA_E

ClientSampleId :

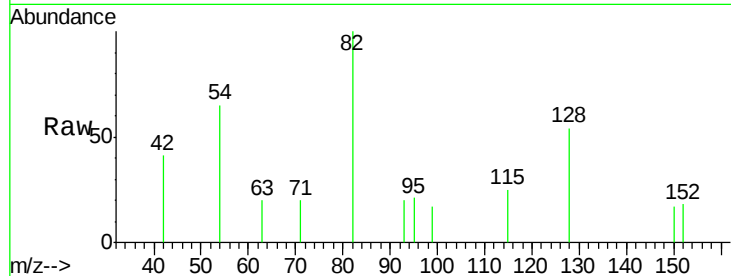
Tot Ion: 82 Resp: 1365

Ion Ratio Lower Upper

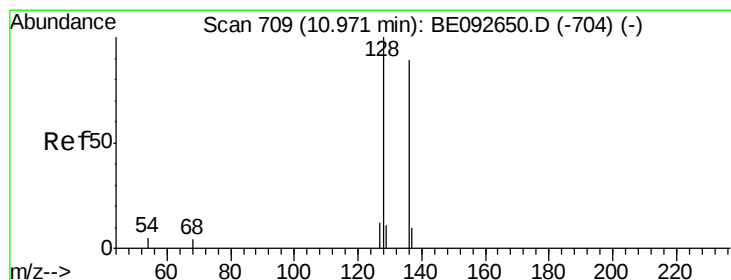
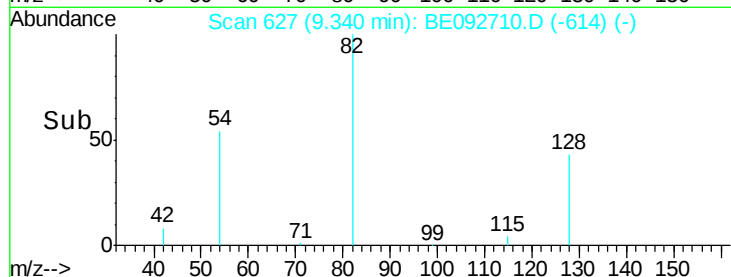
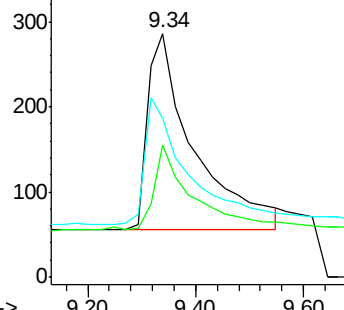
82 100

128 54.2 39.0 58.4

54 65.0 44.8 67.2



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 3.96 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

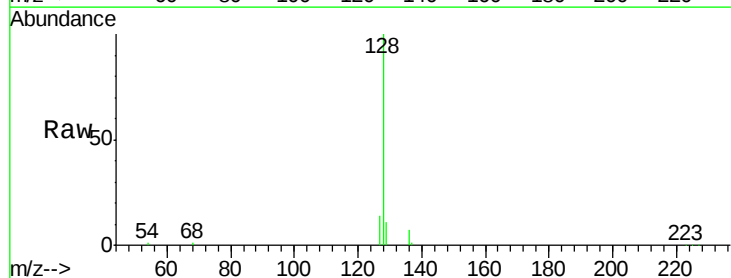
Tgt Ion: 128 Resp: 38972

Ion Ratio Lower Upper

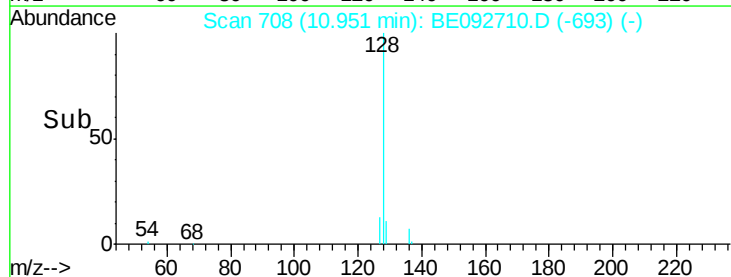
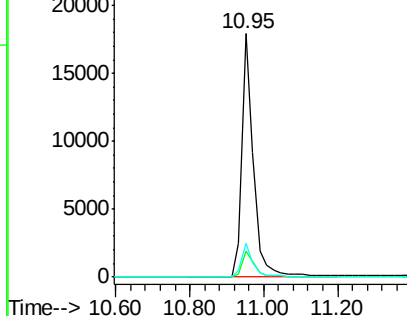
128 100

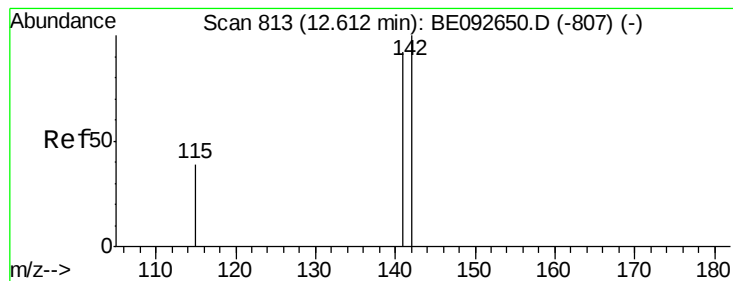
129 10.8 11.2 16.8#

127 13.6 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

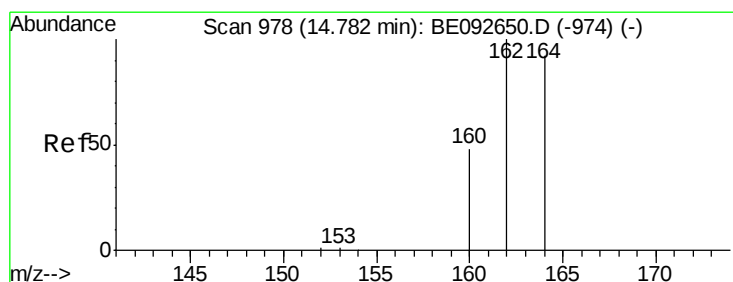
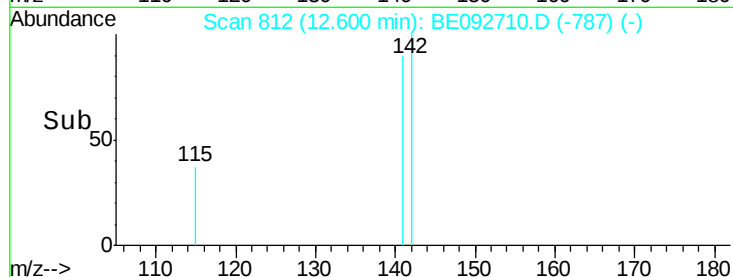
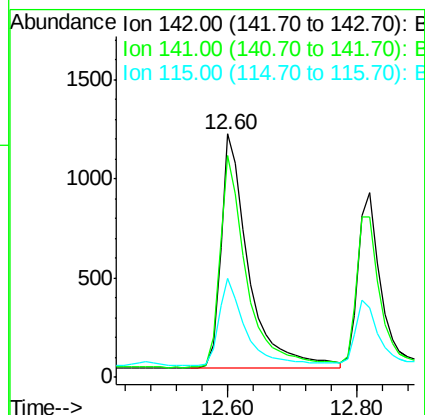
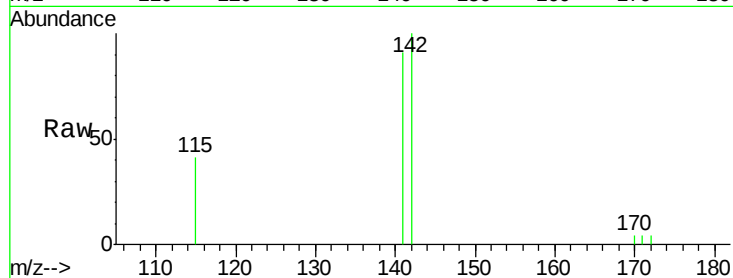




#11
2-Methylnaphthalene
Concen: 0.57 ng
RT: 12.60 min Scan# 812
Delta R.T. -0.01 min
Lab File: BE092710.D
Acq: 1 Feb 2017 11:51

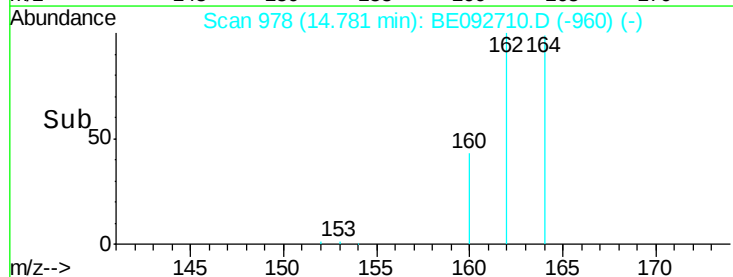
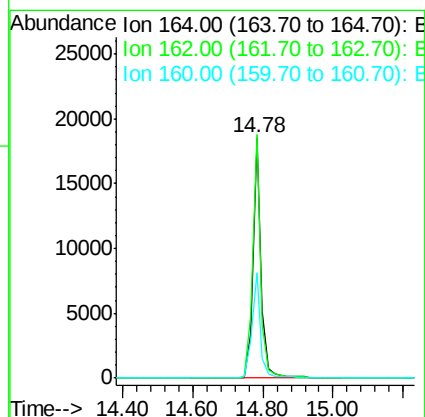
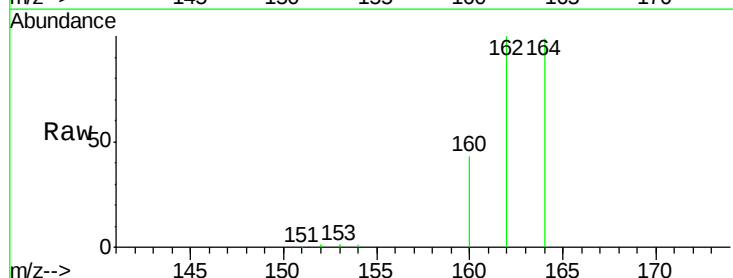
Instrument :
BNA_E
ClientSampleId :

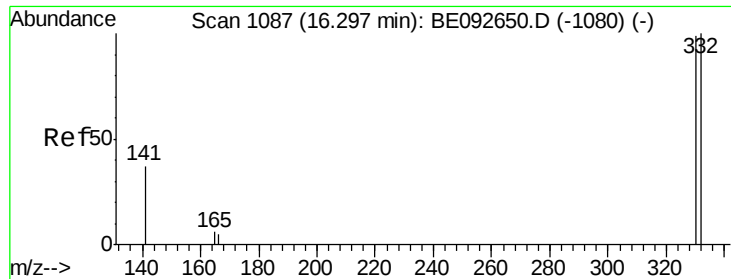
Tot Ion:142 Resp: 3509
Ion Ratio Lower Upper
142 100
141 90.9 73.7 110.5
115 40.6 34.0 51.0



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 978
Delta R.T. -0.00 min
Lab File: BE092710.D
Acq: 1 Feb 2017 11:51

Tgt Ion:164 Resp: 29053
Ion Ratio Lower Upper
164 100
162 101.4 71.4 107.0
160 43.8 27.4 41.2#

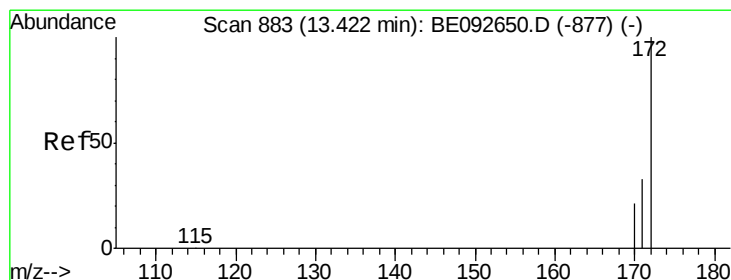
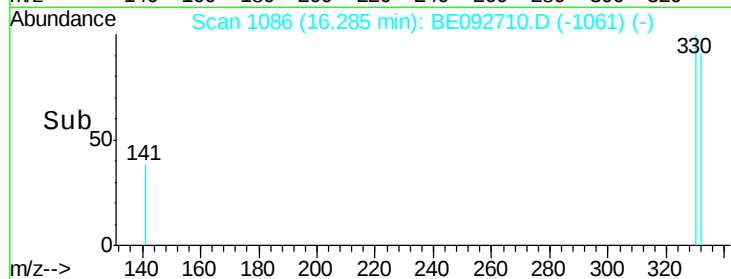
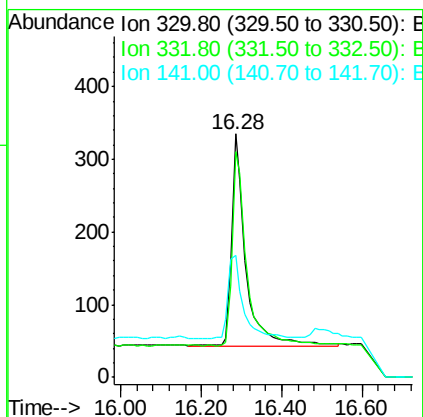
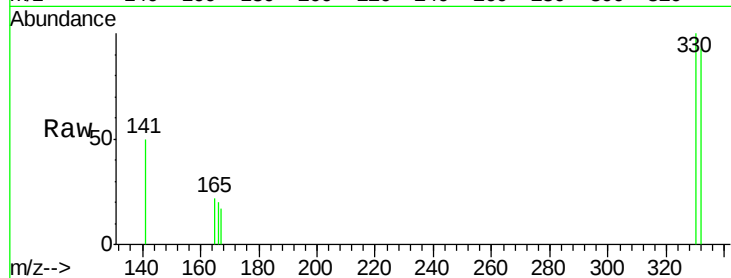




#13
 2,4,6-Tribromophenol
 Concen: 0.95 ng
 RT: 16.28 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BE092710.D
 Acq: 1 Feb 2017 11:51

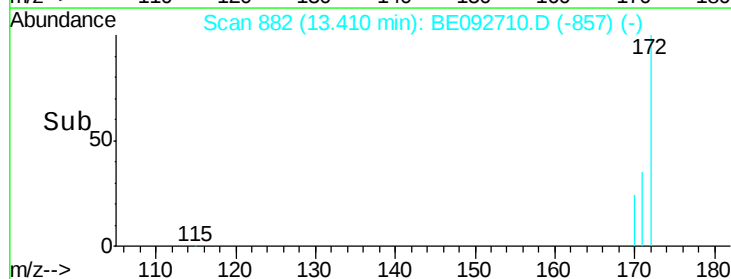
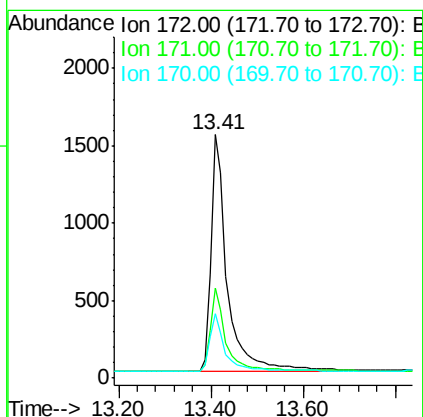
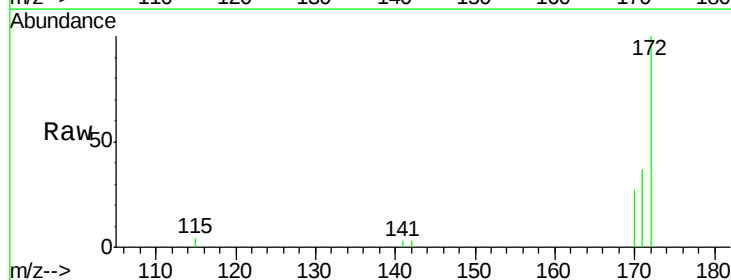
Instrument :
 BNA_E
 ClientSampleId :

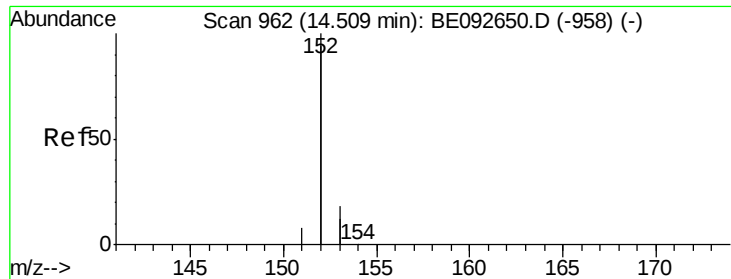
Tot Ion:330 Resp: 717
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.4 113.0
 141 42.3 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 0.53 ng
 RT: 13.41 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BE092710.D
 Acq: 1 Feb 2017 11:51

Tgt Ion:172 Resp: 3767
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.1 45.1
 170 26.7 21.8 32.6





#15

Acenaphthylene

Concen: 0.03 ng

RT: 14.49 min Scan# 961

Delta R.T. -0.02 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

Instrument :

BNA_E

ClientSampled :

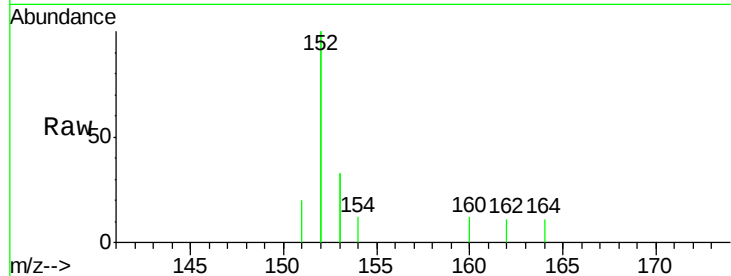
Tot Ion:152 Resp: 1394

Ion Ratio Lower Upper

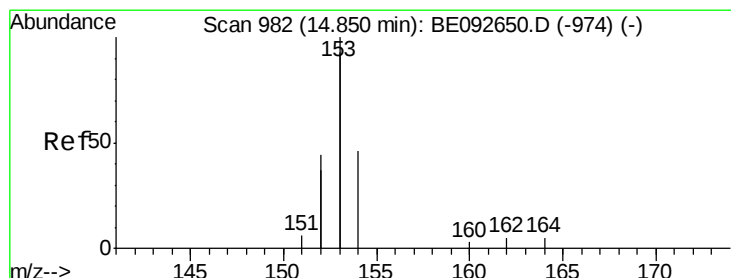
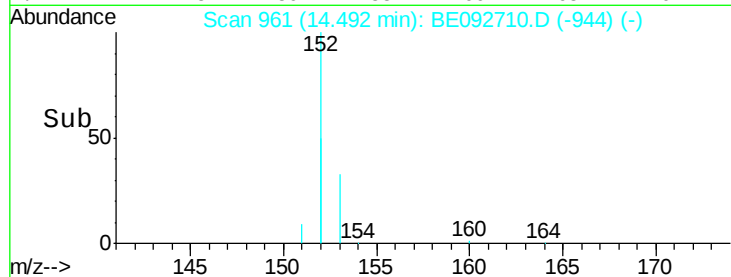
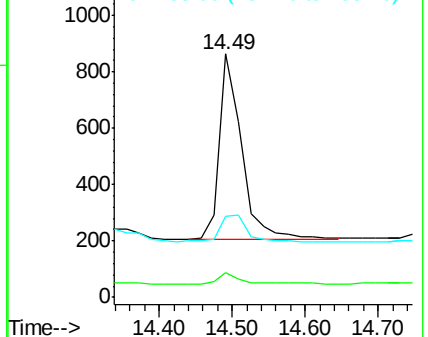
152 100

151 5.8 3.9 5.9

153 17.4 10.4 15.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 0.46 ng

RT: 14.85 min Scan# 982

Delta R.T. -0.00 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

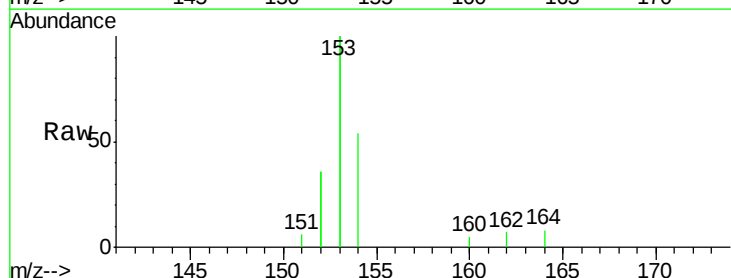
Tgt Ion:154 Resp: 2974

Ion Ratio Lower Upper

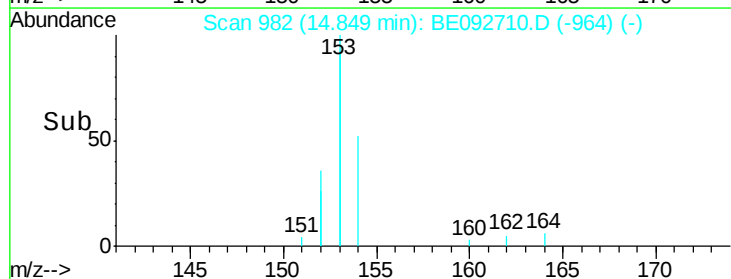
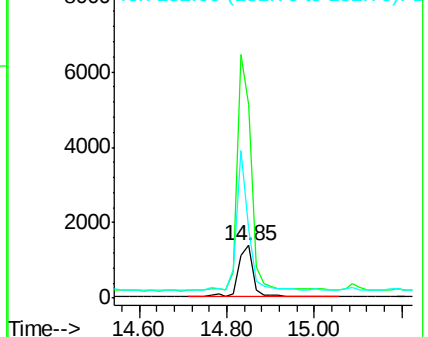
154 100

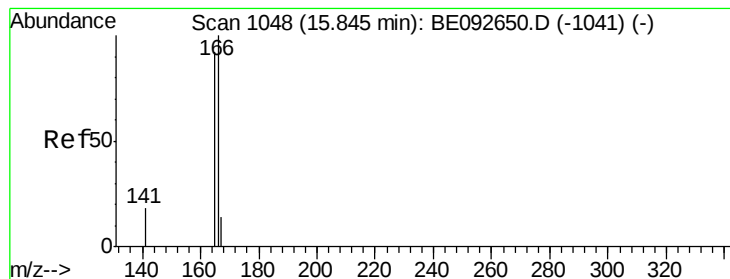
153 450.9 350.8 526.2

152 224.3 171.1 256.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 0.24 ng

RT: 15.84 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

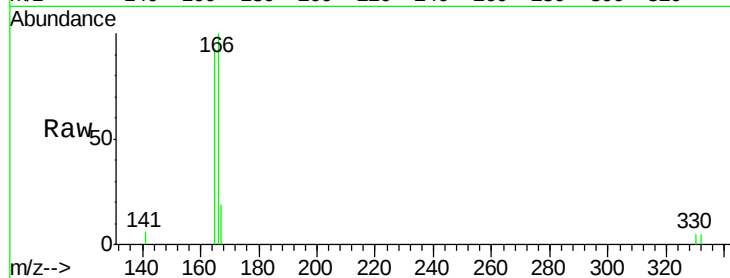
Instrument :

BNA_E

ClientSampleId :

Tot Ion:166 Resp: 1959

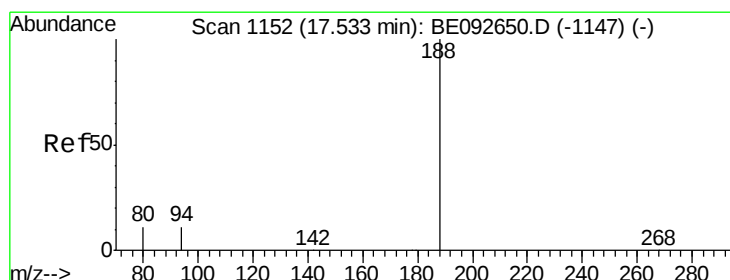
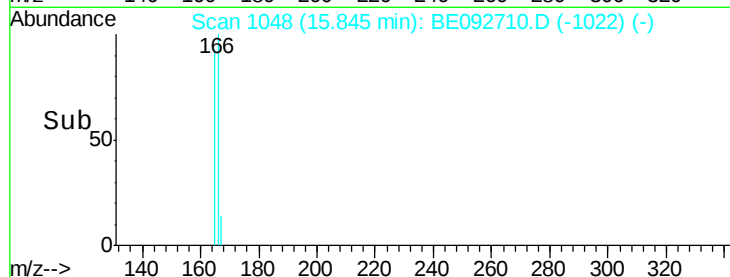
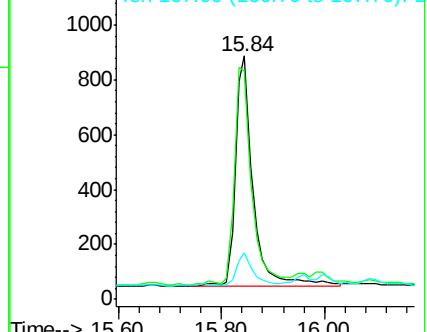
Ion	Ratio	Lower	Upper
166	100		
165	94.2	78.2	117.4
167	12.5	11.0	16.4



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1152

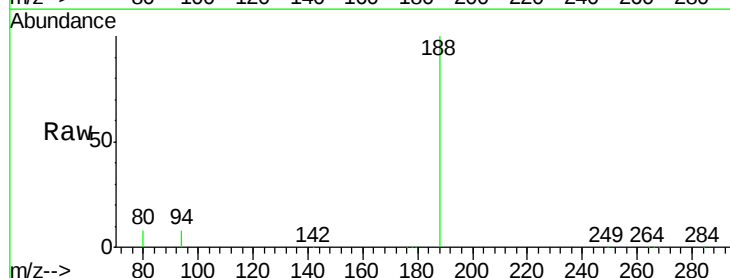
Delta R.T. 0.00 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

Tgt Ion:188 Resp: 61527

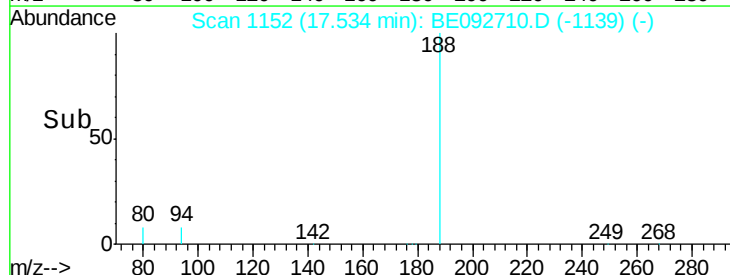
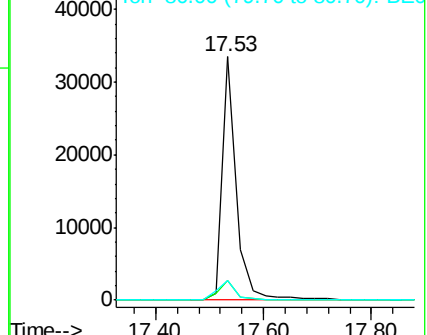
Ion	Ratio	Lower	Upper
188	100		
94	8.3	3.2	4.8#
80	7.9	2.6	3.8#

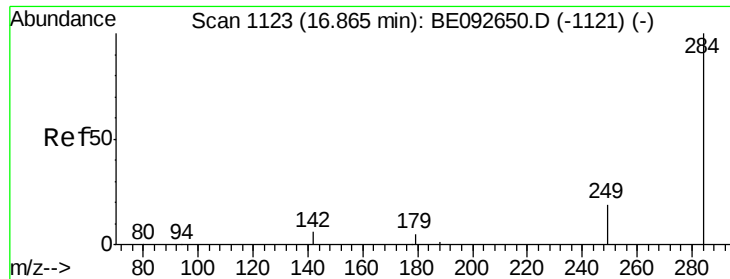


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

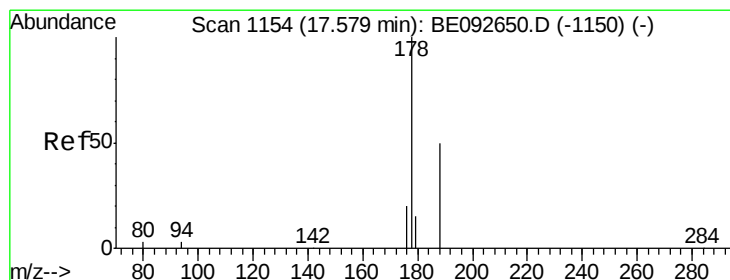
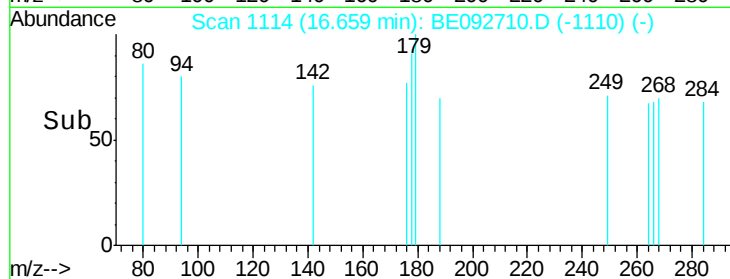
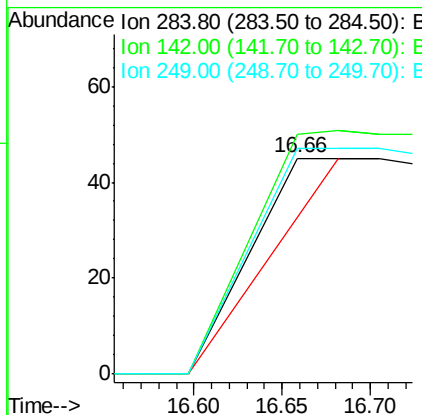
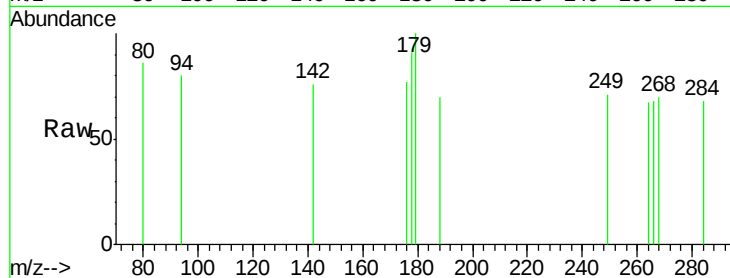




#19
Hexachlorobenzene
Concen: Below Cal
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092710.D
Acq: 1 Feb 2017 11:51

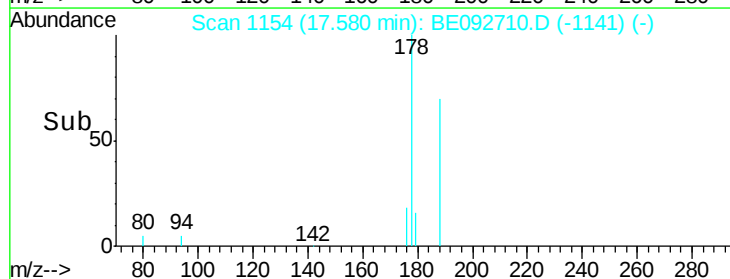
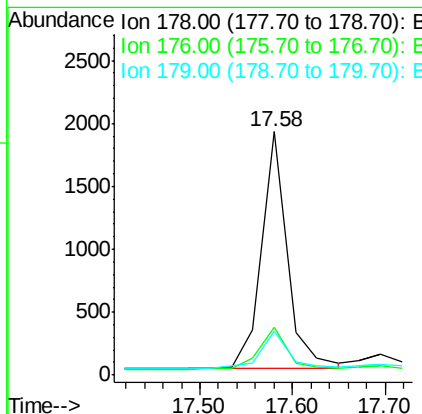
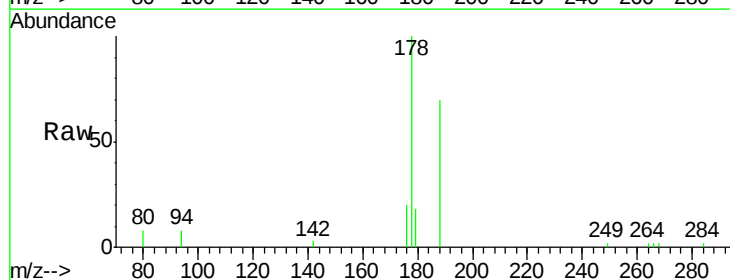
Instrument :
BNA_E
ClientSampleId :

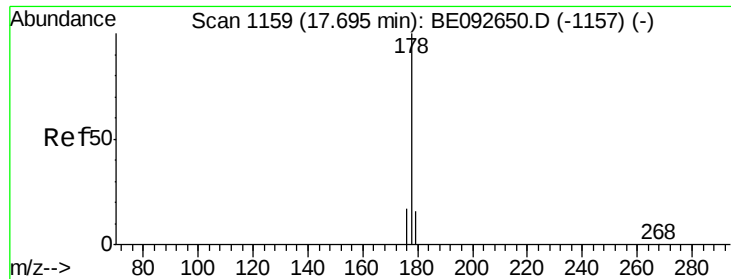
Tot Ion:284 Resp: 114
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 548.2 27.9 41.9#



#21
Phenanthrene
Concen: 0.27 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092710.D
Acq: 1 Feb 2017 11:51

Tgt Ion:178 Resp: 3605
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 17.2 16.0 24.0





#22

Anthracene

Concen: 0.03 ng

RT: 17.70 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

Instrument :

BNA_E

ClientSampled :

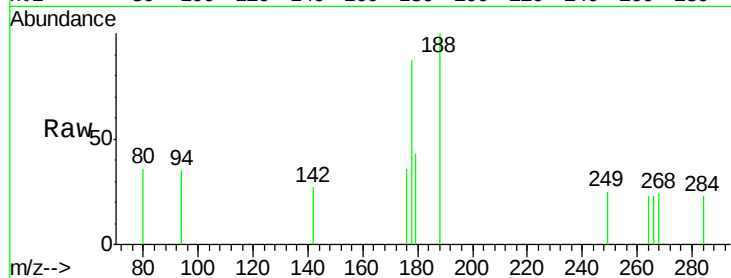
Tot Ion:178 Resp: 420

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

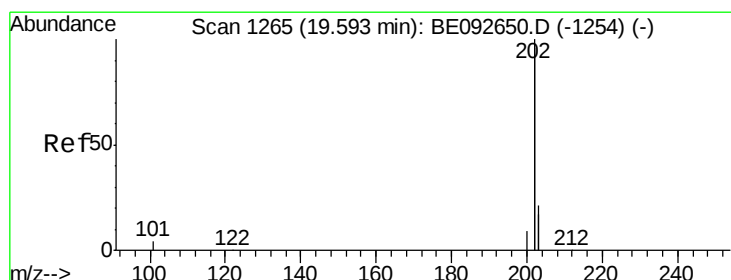
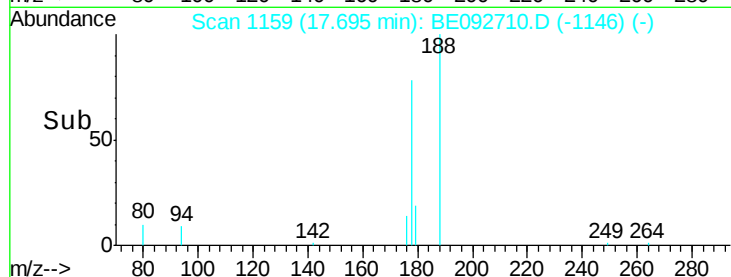
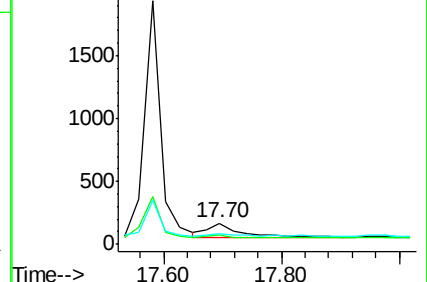
179 15.2 12.2 18.2



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



#23

Fluoranthene

Concen: 0.04 ng

RT: 19.59 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

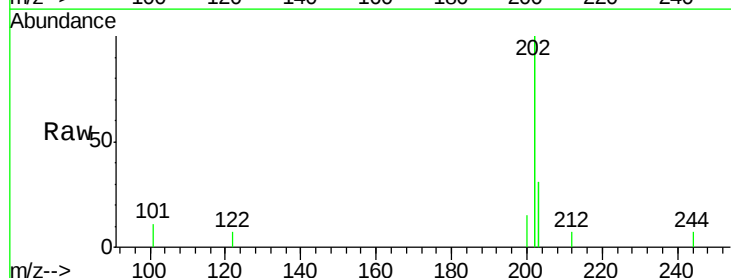
Tgt Ion:202 Resp: 2636

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

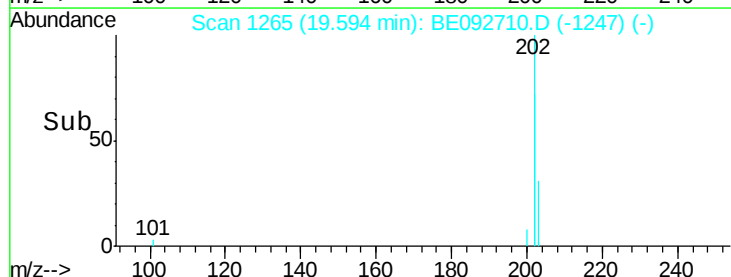
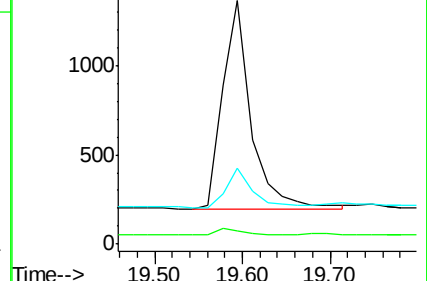
203 17.6 13.7 20.5

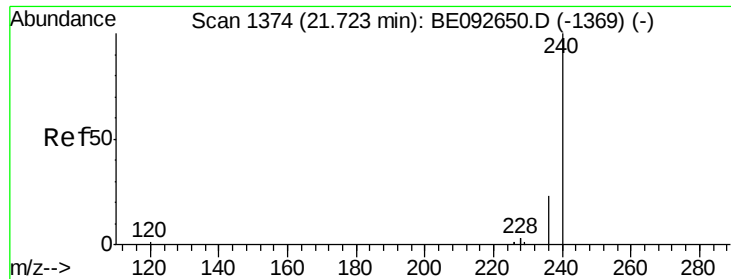


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

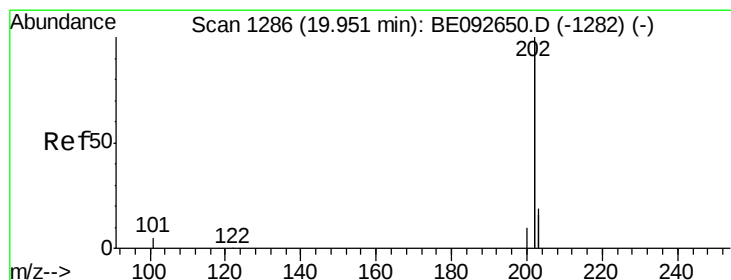
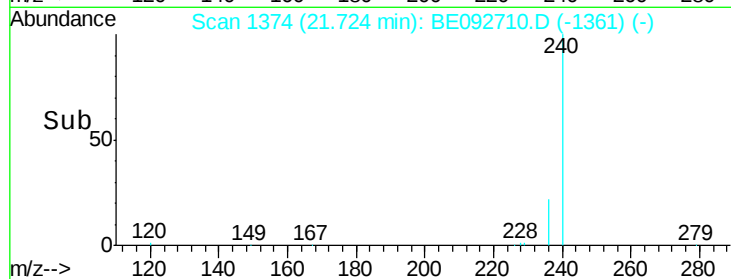
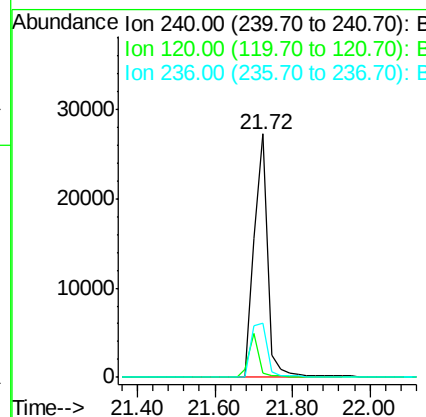
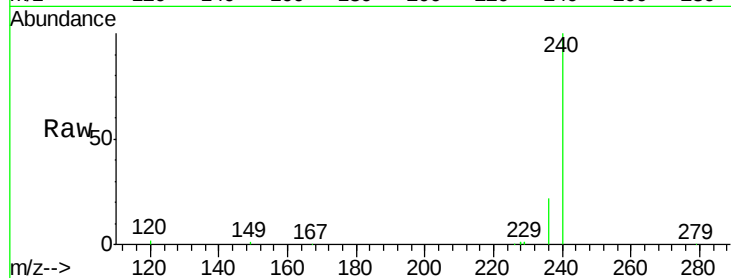




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092710.D
Acq: 1 Feb 2017 11:51

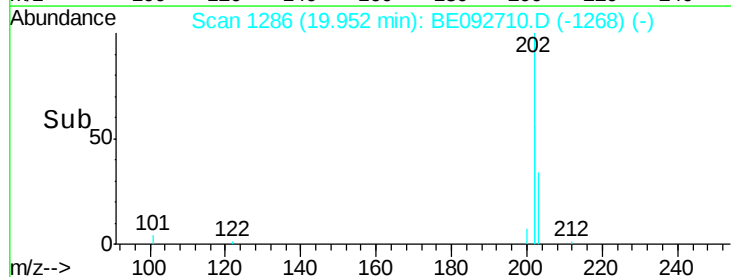
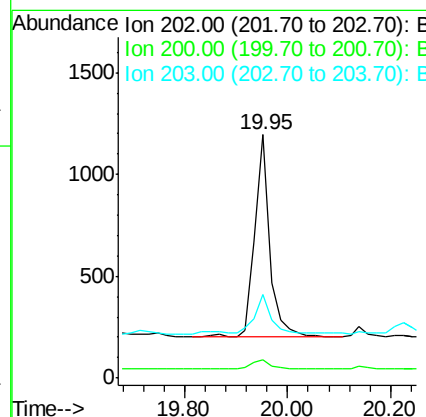
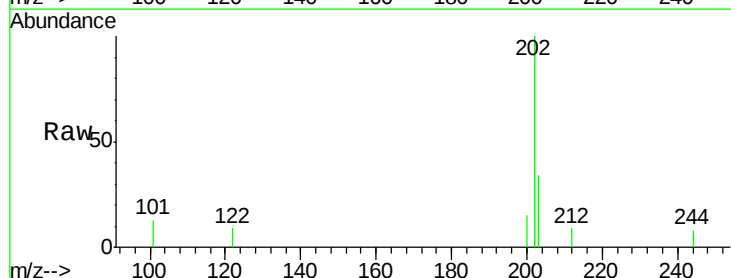
Instrument :
BNA_E
ClientSampleId :

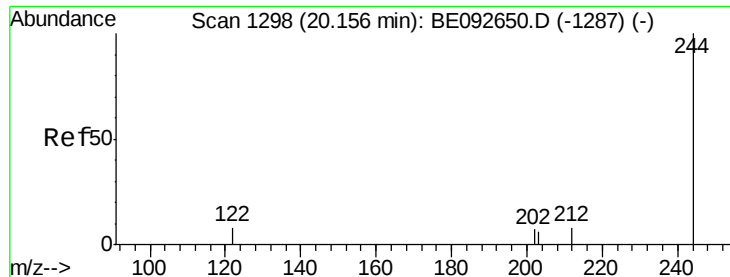
Tot Ion:240 Resp: 64230
Ion Ratio Lower Upper
240 100
120 1.7 2.6 4.0#
236 22.0 24.6 37.0#



#25
Pyrene
Concen: 0.03 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092710.D
Acq: 1 Feb 2017 11:51

Tgt Ion:202 Resp: 1992
Ion Ratio Lower Upper
202 100
200 5.0 4.2 6.4
203 20.6 13.9 20.9

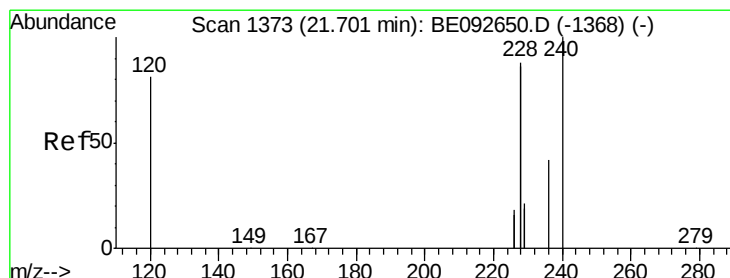
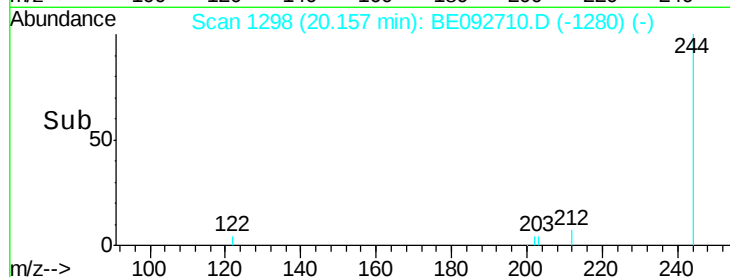
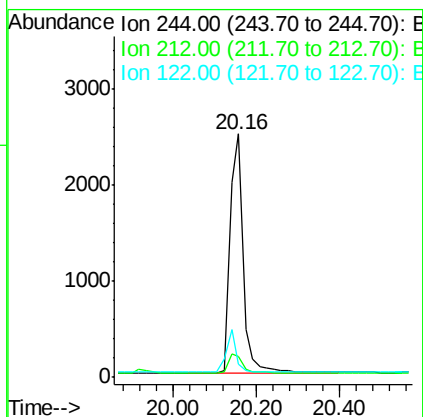
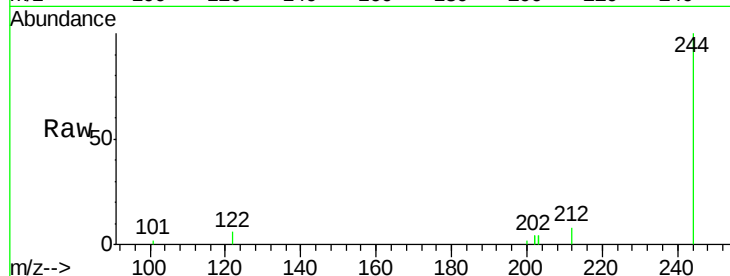




#26
 Terphenyl-d14
 Concen: 0.61 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. 0.00 min
 Lab File: BE092710.D
 Acq: 1 Feb 2017 11:51

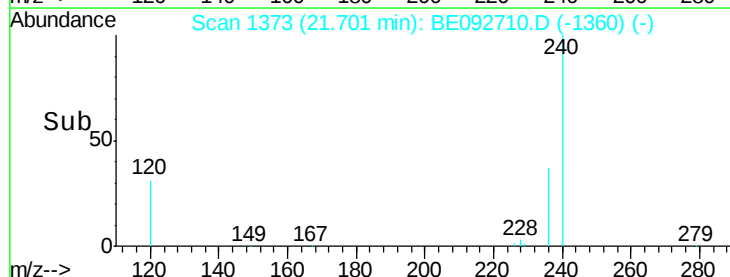
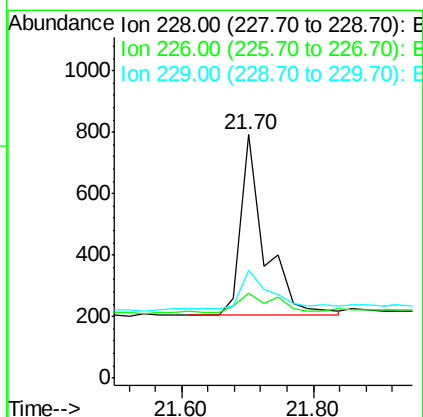
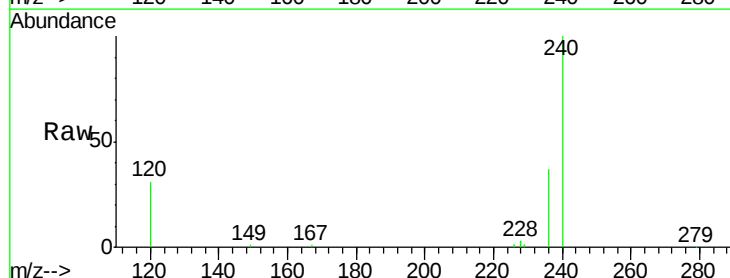
Instrument :
 BNA_E
 ClientSampleId :

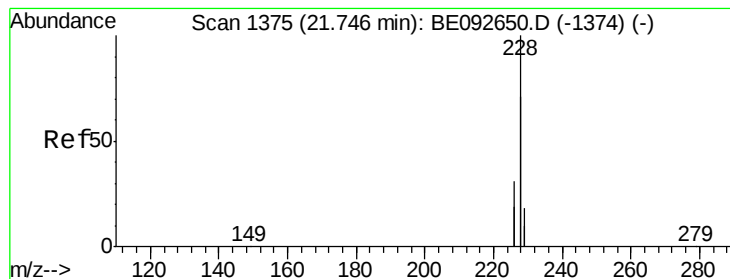
Tot Ion:244 Resp: 5497
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.7 10.1
 122 5.6 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.70 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092710.D
 Acq: 1 Feb 2017 11:51

Tgt Ion:228 Resp: 1462
 Ion Ratio Lower Upper
 228 100
 226 35.1 23.6 35.4
 229 44.2 13.3 19.9#





#28

Chrysene

Concen: 0.02 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.04 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

Instrument :

BNA_E

ClientSampleId :

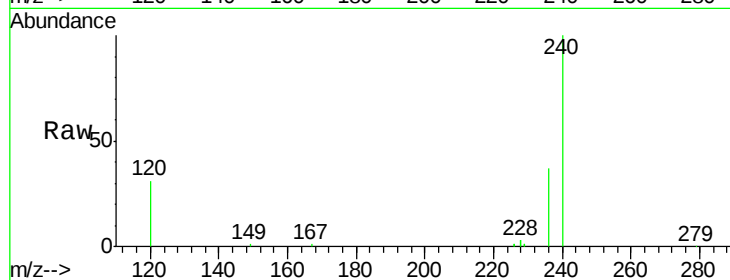
Tot Ion:228 Resp: 1462

Ion Ratio Lower Upper

228 100

226 35.1 36.3 54.5#

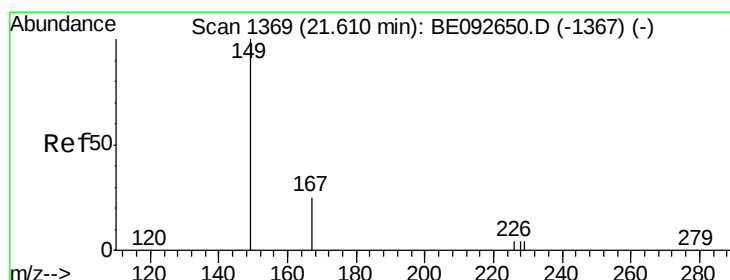
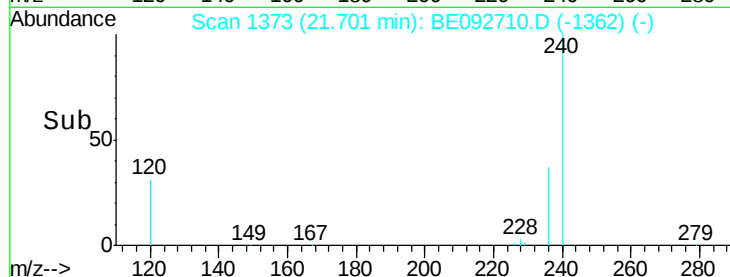
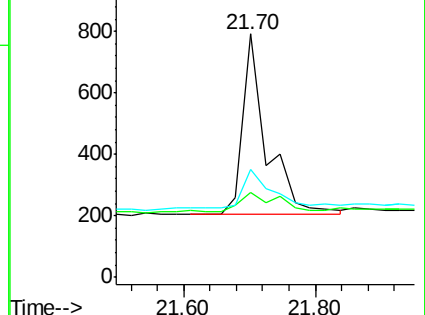
229 44.2 10.6 16.0#



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



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.42 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

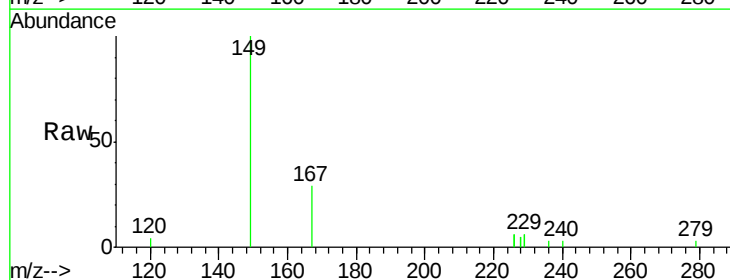
Tgt Ion:149 Resp: 2744

Ion Ratio Lower Upper

149 100

167 27.9 16.0 24.0#

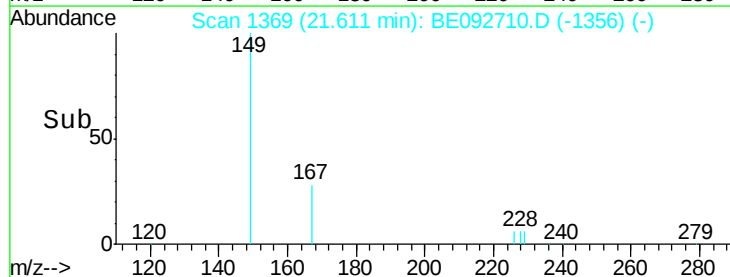
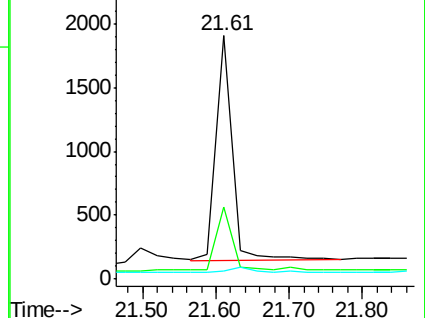
279 0.0 16.0 24.0#

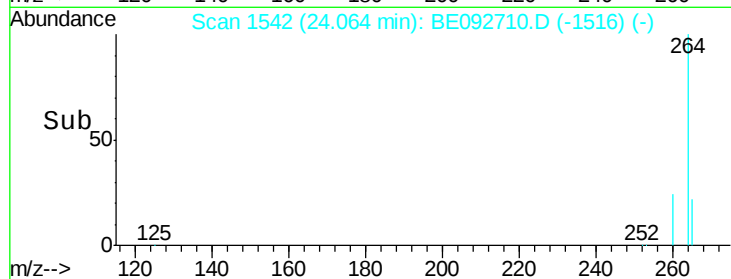
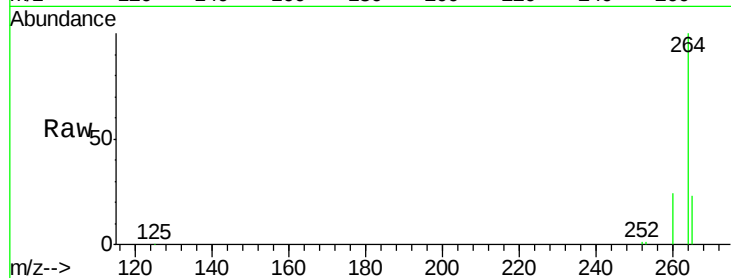
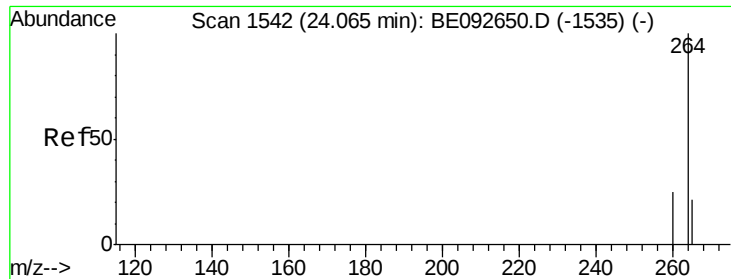


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Pervlene-d12

Concen: 5.00 ng

RT: 24.06 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BE092710.D

Acq: 1 Feb 2017 11:51

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 264 Resp: 72859

Ion Ratio Lower Upper

264 100

260 24.0 20.1 30.1

265 22.8 17.9 26.9

