

Data Path : Z:\HPCHEM1\BNA_E\Data\BE090916\
 Data File : BE092358.D
 Acq On : 9 Sep 2016 17:11
 Operator : UM/SJ
 Sample : PB93313BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB93313BS

Quant Time: Sep 09 18:03:14 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 19:34:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11923	5.00	ng	-0.00
7) Naphthalene-d8	10.95	136	53145	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	28340	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	56990	5.00	ng	0.00
24) Chrysene-d12	21.75	240	56050	5.00	ng	0.00
31) Perylene-d12	24.10	264	52801	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.68	112	23703	8.36	ng	0.00
5) Phenol-d6	7.34	99	32371	8.56	ng	-0.02
8) Nitrobenzene-d5	9.34	82	14666	3.84	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	6974	7.94	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	32300	3.71	ng	-0.01
26) Terphenyl-d14	20.17	244	34901	4.21	ng	0.00

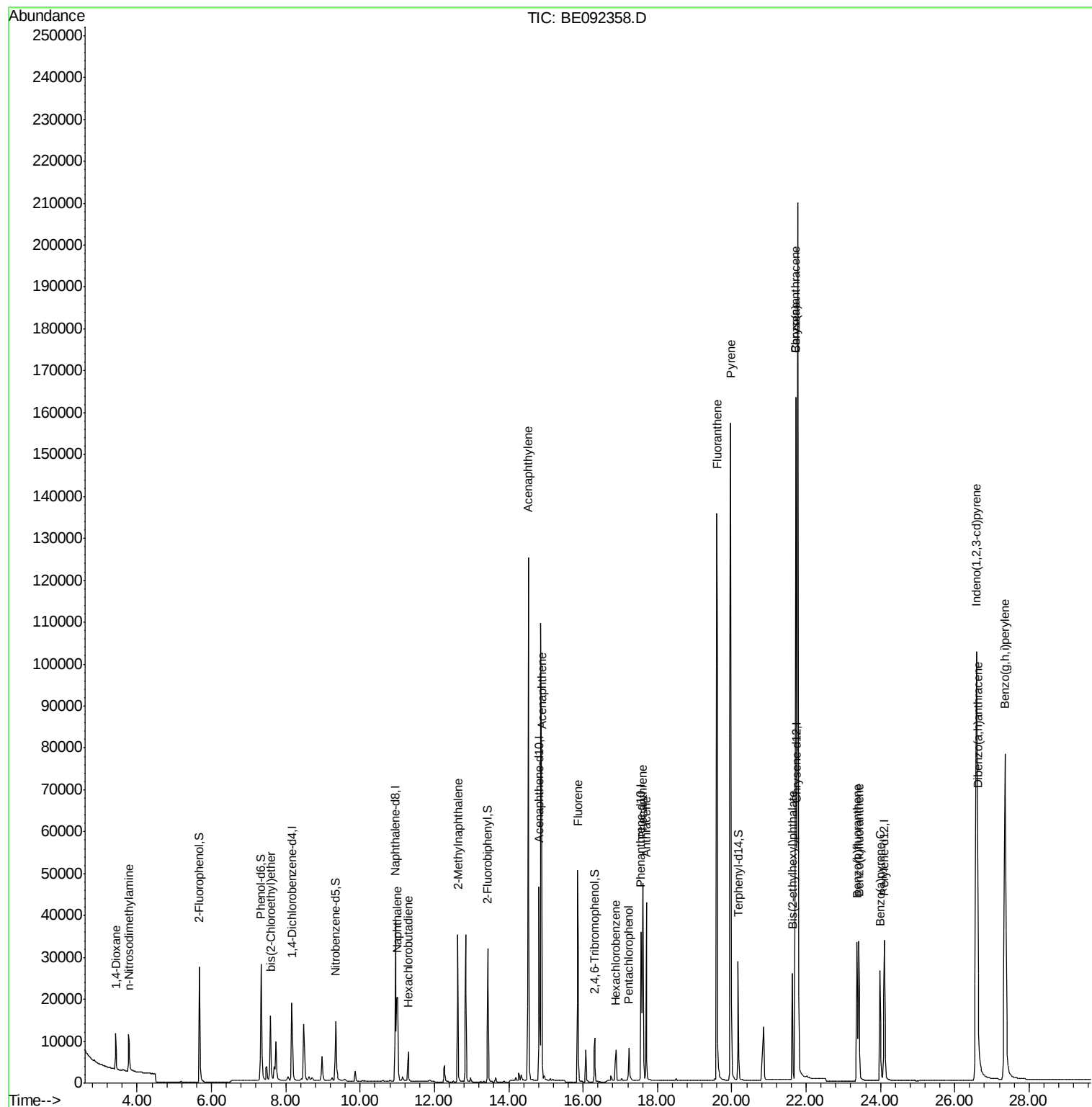
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	4840	3.29	ng	# 85
3) n-Nitrosodimethylamine	3.77	42	7332	3.88	ng	# 99
6) bis(2-Chloroethyl)ether	7.59	93	12601	3.49	ng	92
9) Naphthalene	11.01	128	39377	3.31	ng	# 94
10) Hexachlorobutadiene	11.30	225	6111	3.29	ng	100
11) 2-Methylnaphthalene	12.62	142	27051	3.47	ng	94
15) Acenaphthylene	14.53	152	165918	3.40	ng	100
16) Acenaphthene	14.88	154	25031	3.17	ng	95
17) Fluorene	15.86	166	31468	3.18	ng	99
19) Hexachlorobenzene	16.89	284	9209	3.37	ng	# 63
20) Pentachlorophenol	17.23	266	6485	5.28	ng	86
21) Phenanthrene	17.60	178	54079	3.38	ng	# 94
22) Anthracene	17.70	178	51401	3.61	ng	99
23) Fluoranthene	19.59	202	208587	2.98	ng	99
25) Pyrene	19.97	202	214477	3.93	ng	99
27) Benzo(a)anthracene	21.72	228	189661	3.14	ng	# 78
28) Chrysene	21.72	228	189671	3.36	ng	# 60
29) Bis(2-ethylhexyl)phthalate	21.63	149	29051	3.74	ng	# 74
30) Indeno(1,2,3-cd)pyrene	26.58	276	229404	3.60	ng	98
32) Benzo(b)fluoranthene	23.37	252	48972	3.61	ng	# 96
33) Benzo(k)fluoranthene	23.42	252	47061	3.28	ng	94
34) Benzo(a)pyrene	24.00	252	46370	3.47	ng	# 95
35) Dibenzo(a,h)anthracene	26.62	278	48396	3.92	ng	# 94
36) Benzo(g,h,i)perylene	27.35	276	199281	3.83	ng	98

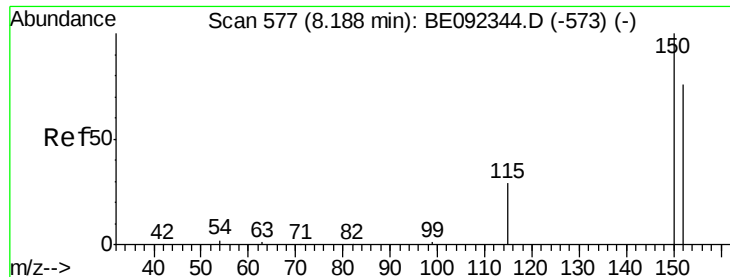
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

Instrument :

BNA_E

ClientSampleId :

PB93313BS

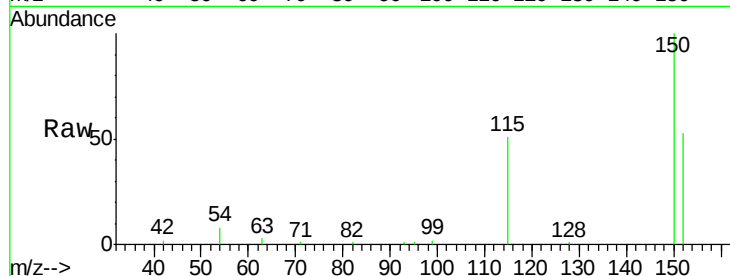
Tgt Ion:152 Resp: 11923

Ion Ratio Lower Upper

152 100

150 189.5 106.0 159.0#

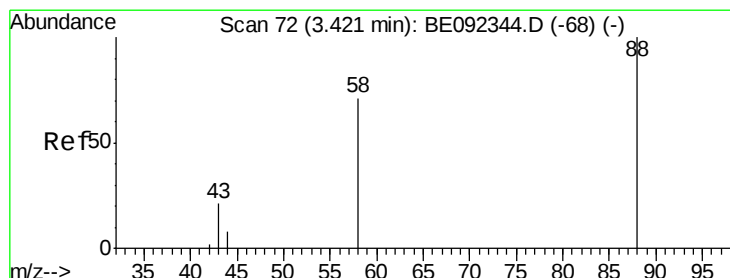
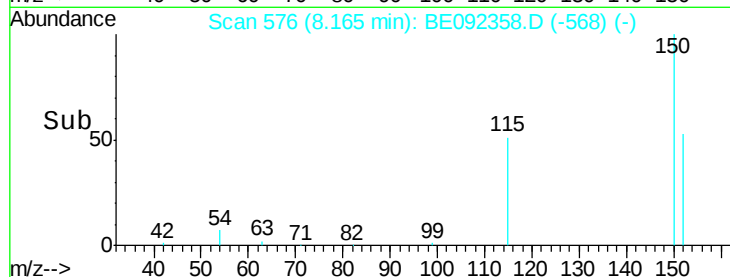
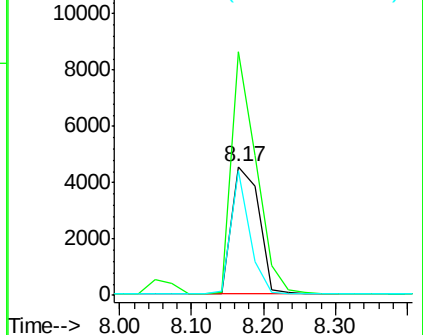
115 96.7 31.2 46.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.29 ng

RT: 3.42 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

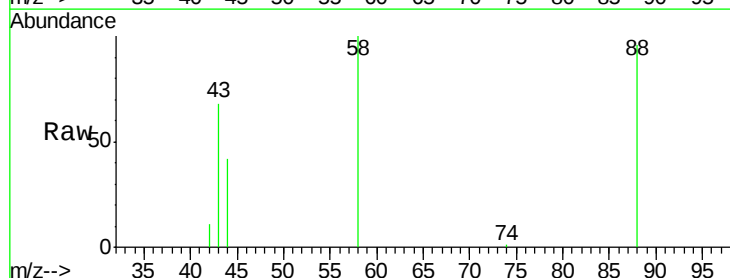
Tgt Ion: 88 Resp: 4840

Ion Ratio Lower Upper

88 100

58 90.1 63.6 95.4

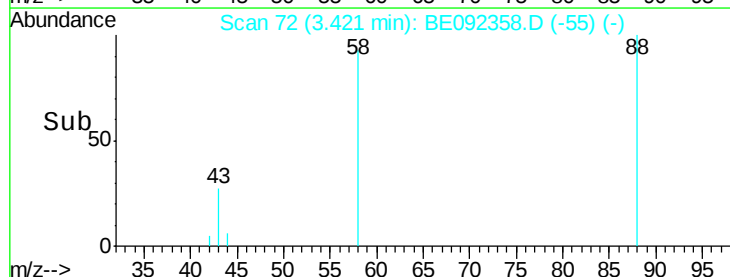
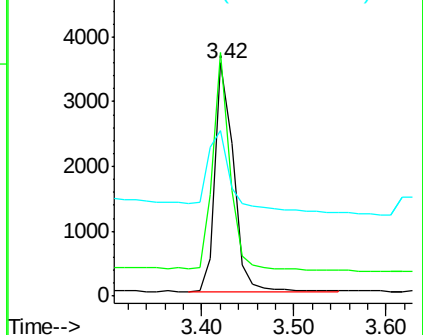
43 46.9 28.0 42.0#

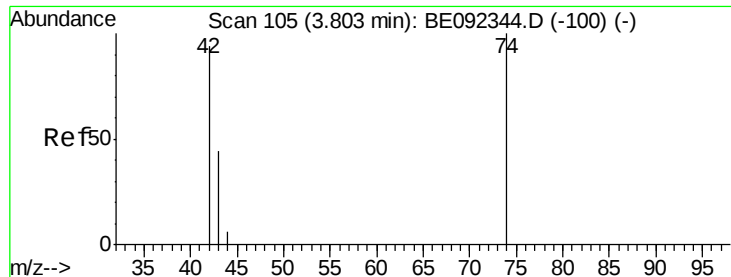


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



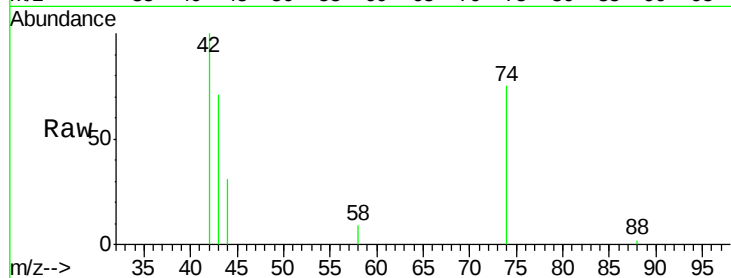


#3

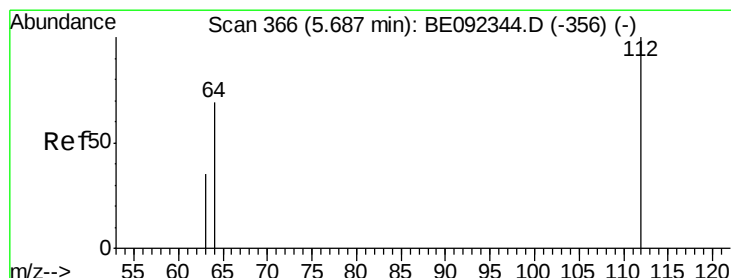
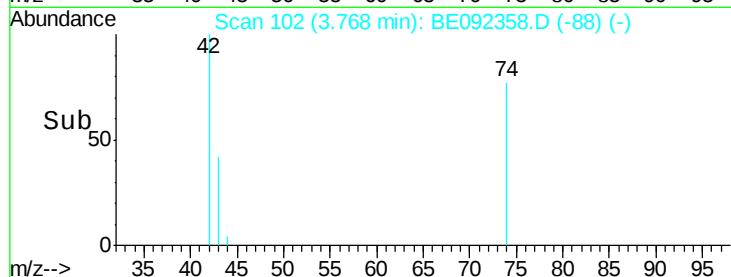
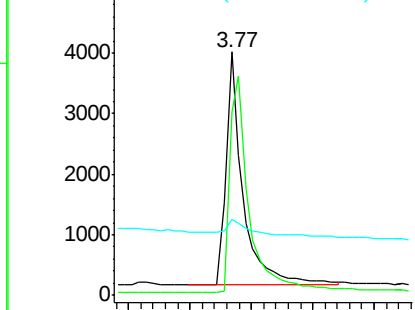
n-Nitrosodimethylamine
 Concen: 3.88 ng
 RT: 3.77 min Scan# 102
 Delta R.T. -0.03 min
 Lab File: BE092358.D
 Acq: 9 Sep 2016 17:11

Instrument :
 BNA_E
 ClientSampleId :
 PB93313BS

Tgt Ion: 42 Resp: 7332
 Ion Ratio Lower Upper
 42 100
 74 107.3 86.0 129.0
 44 12.3 5.1 7.7#



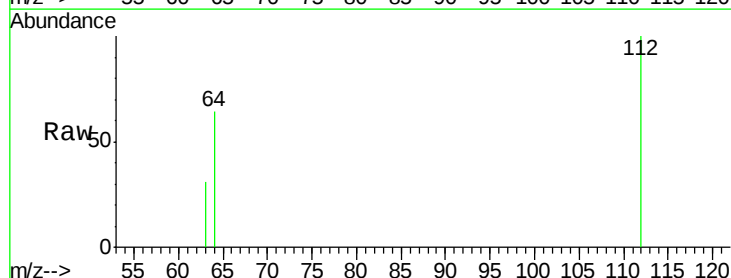
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



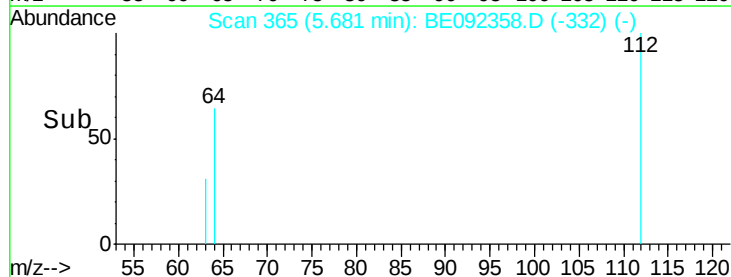
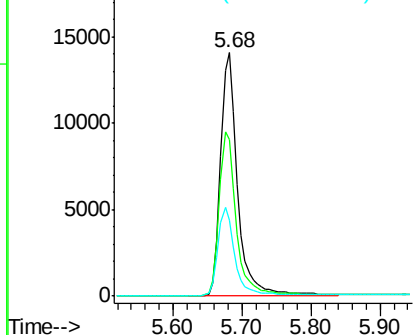
#4

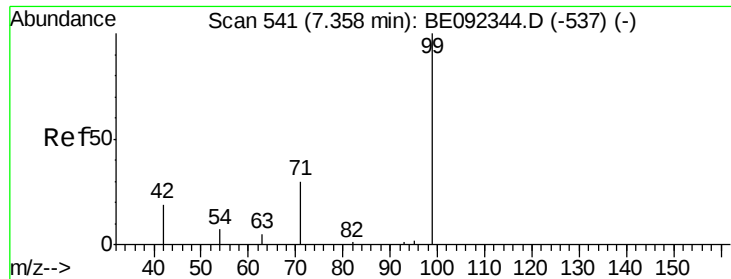
2-Fluorophenol
 Concen: 8.36 ng
 RT: 5.68 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: BE092358.D
 Acq: 9 Sep 2016 17:11

Tgt Ion: 112 Resp: 23703
 Ion Ratio Lower Upper
 112 100
 64 67.6 53.5 80.3
 63 36.0 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.56 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

Instrument :

BNA_E

ClientSampleId :

PB93313BS

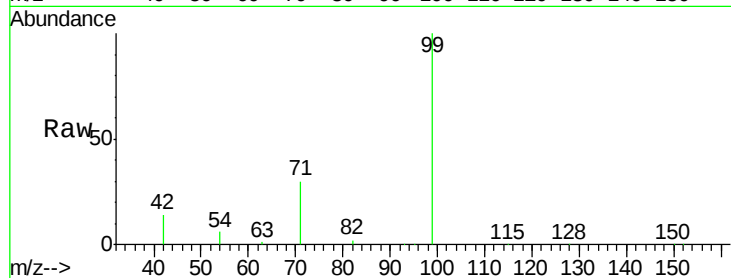
Tgt Ion: 99 Resp: 32371

Ion Ratio Lower Upper

99 100

42 23.2 16.0 24.0

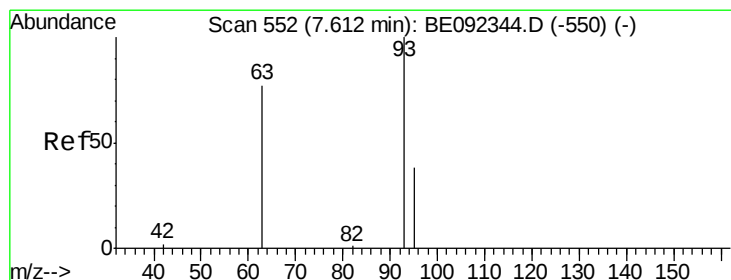
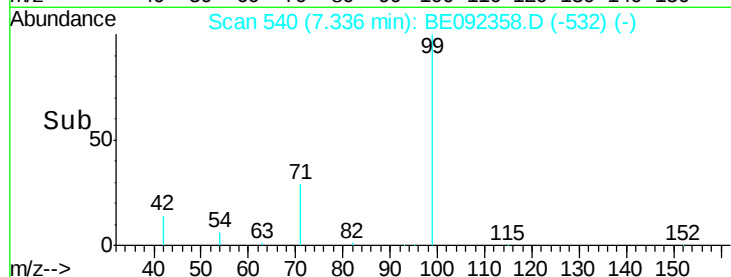
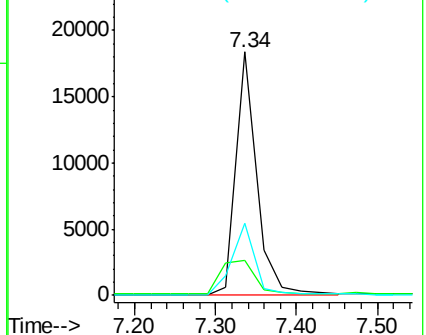
71 32.6 30.6 45.8



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



#6

bis(2-Chloroethyl)ether

Concen: 3.49 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

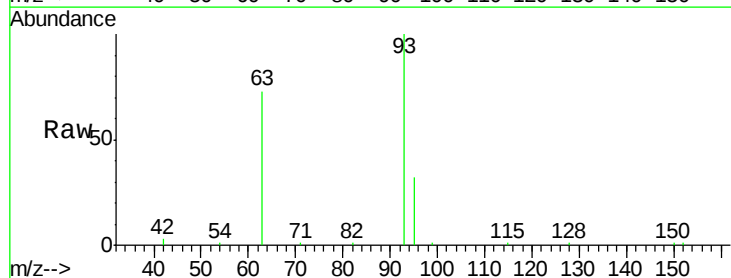
Tgt Ion: 93 Resp: 12601

Ion Ratio Lower Upper

93 100

63 81.4 71.6 107.4

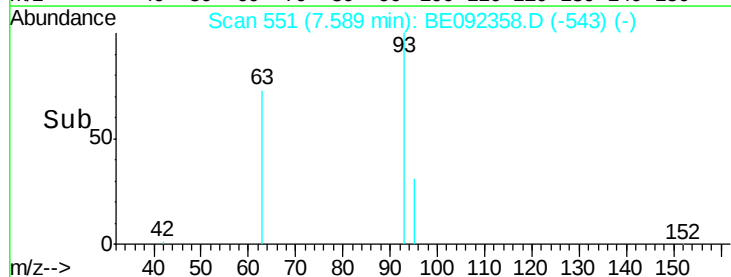
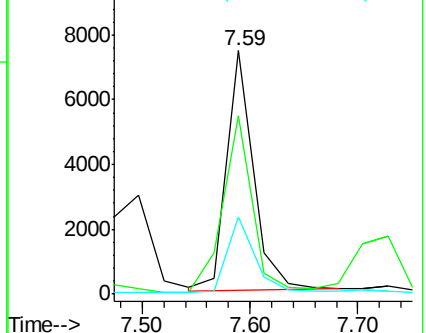
95 33.3 24.0 36.0

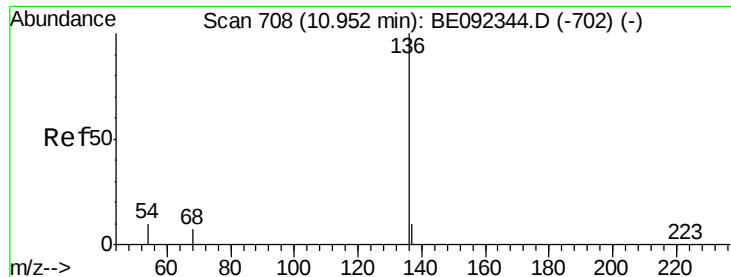


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

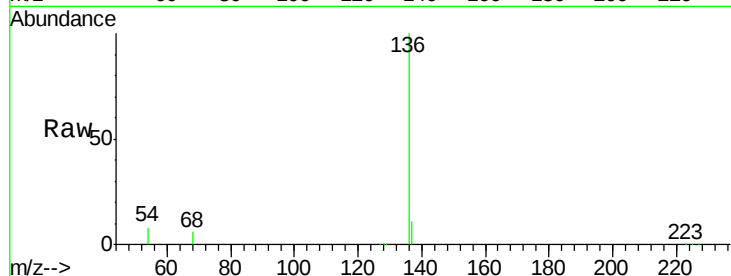
Instrument :

BNA_E

ClientSampleId :

PB93313BS

Tgt Ion:	136	Resp:	53145
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	8.4	9.6	14.4#
68	6.2	6.7	10.1#

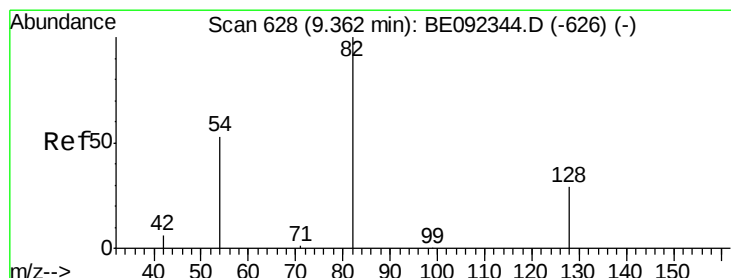
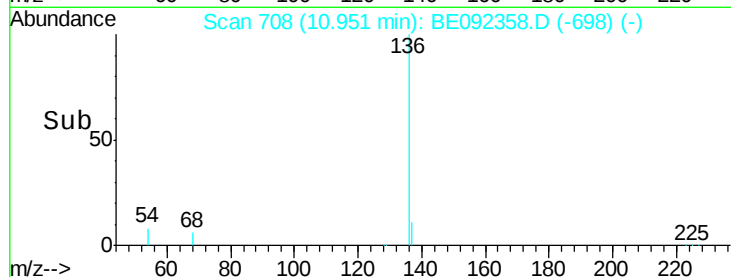
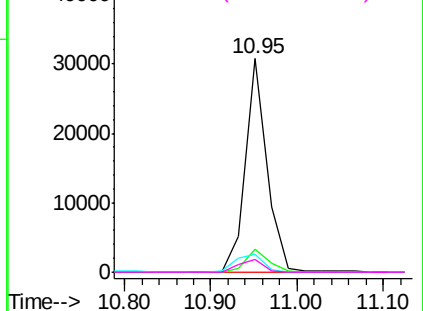


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.84 ng

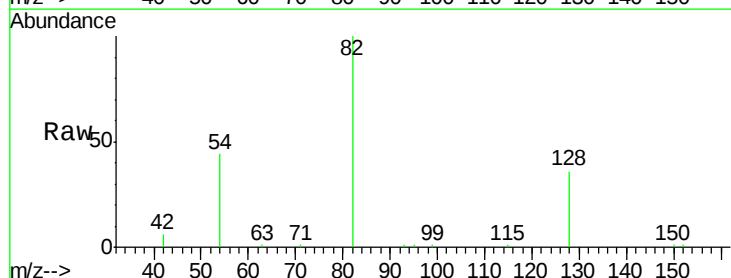
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

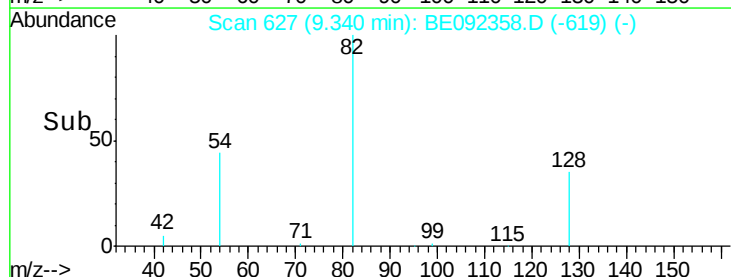
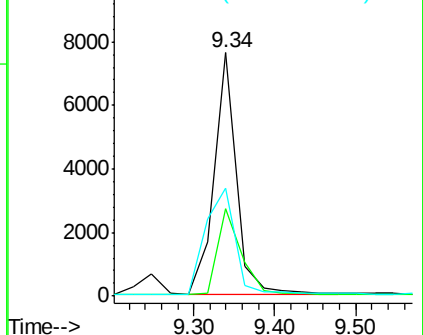
Tgt Ion:	82	Resp:	14666
Ion	Ratio	Lower	Upper
82	100		
128	35.8	39.0	58.4#
54	44.4	44.8	67.2#

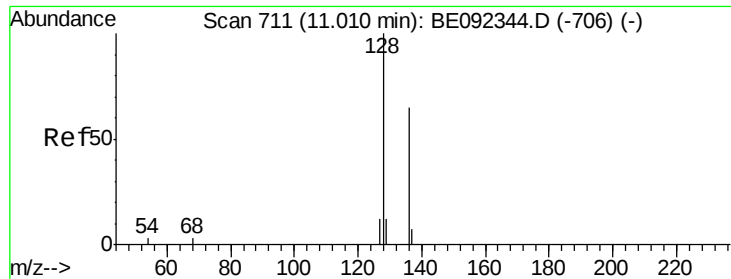


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.31 ng

RT: 11.01 min Scan# 711

Delta R.T. -0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

Instrument :

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ClientSampleId :

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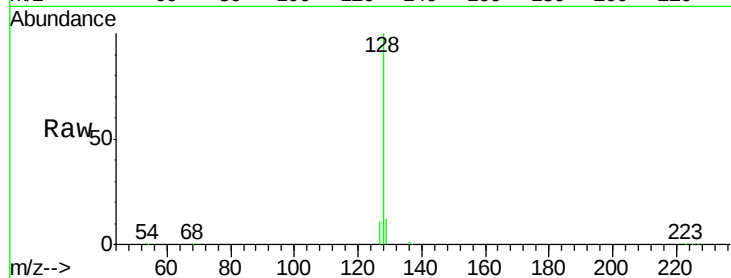
Tgt Ion:128 Resp: 39377

Ion Ratio Lower Upper

128 100

129 12.3 11.2 16.8

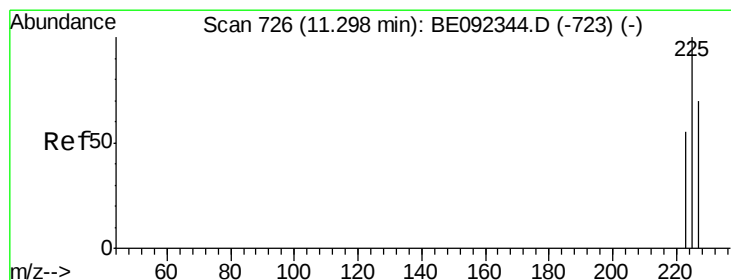
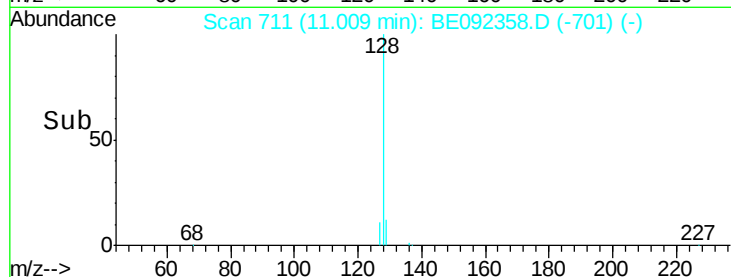
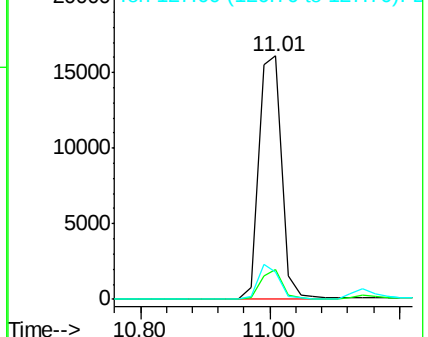
127 11.4 11.6 17.4#



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



#10

Hexachlorobutadiene

Concen: 3.29 ng

RT: 11.30 min Scan# 726

Delta R.T. -0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

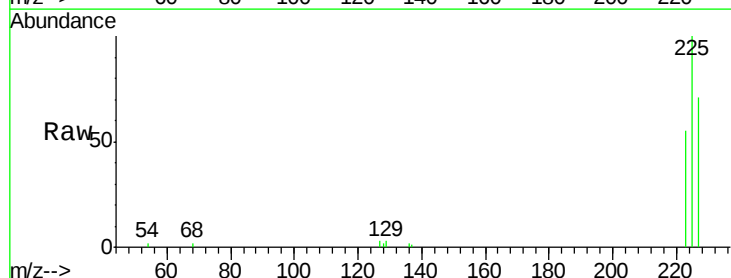
Tgt Ion:225 Resp: 6111

Ion Ratio Lower Upper

225 100

223 62.8 50.6 76.0

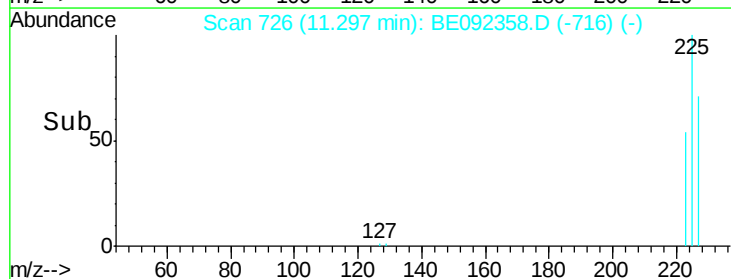
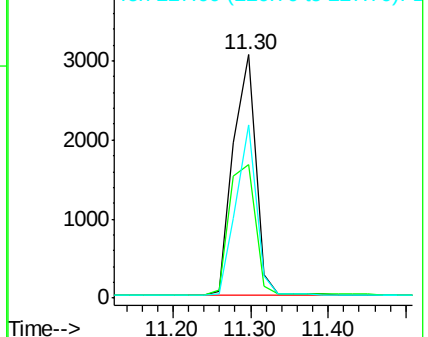
227 64.0 51.4 77.0

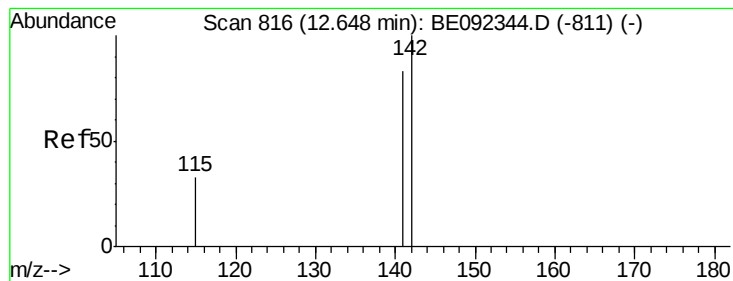


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 3.47 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.02 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

Instrument :

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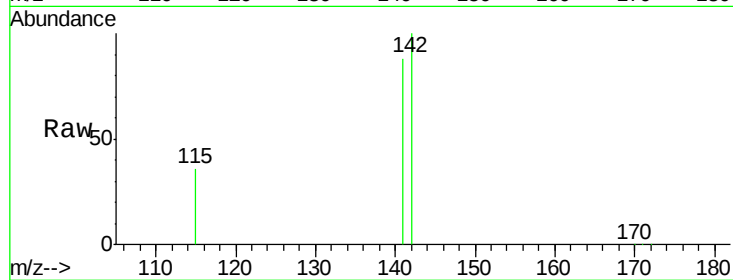
Tgt Ion:142 Resp: 27051

Ion Ratio Lower Upper

142 100

141 88.4 73.7 110.5

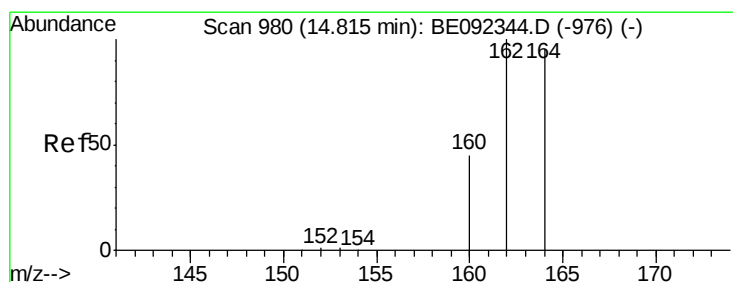
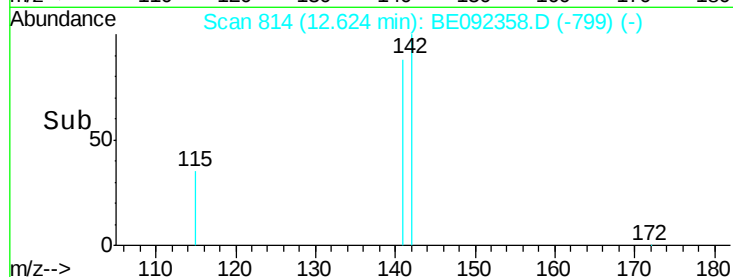
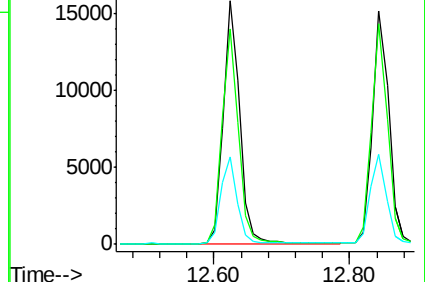
115 35.7 34.0 51.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

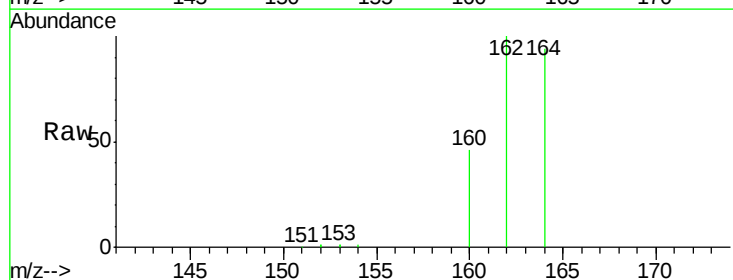
Tgt Ion:164 Resp: 28340

Ion Ratio Lower Upper

164 100

162 106.3 71.4 107.0

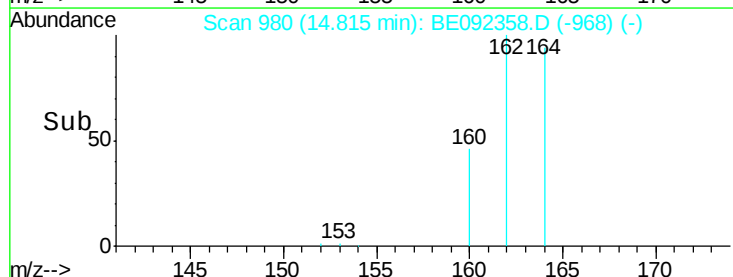
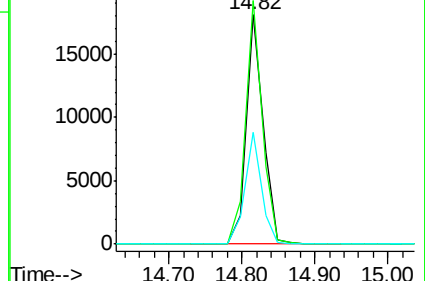
160 49.0 27.4 41.2#

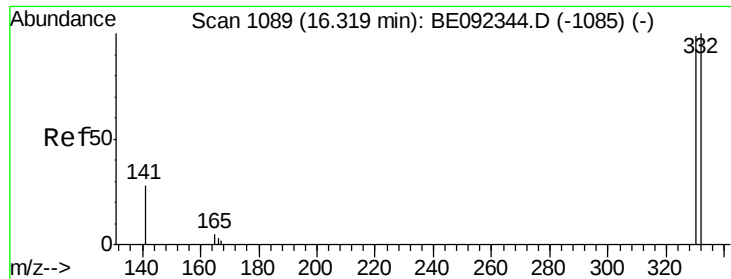


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

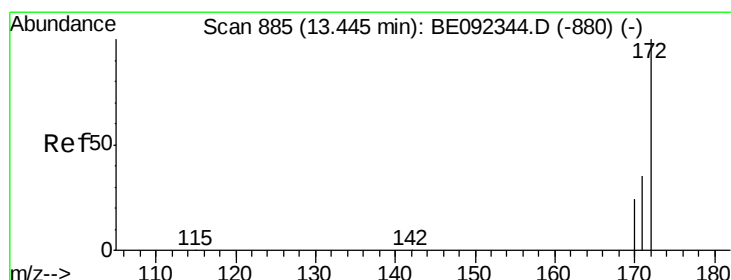
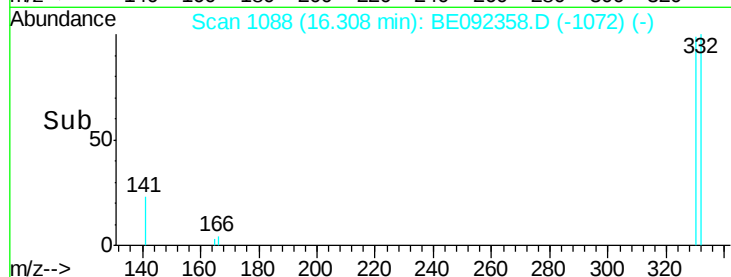
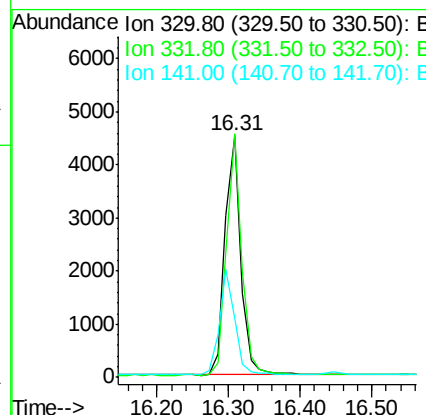
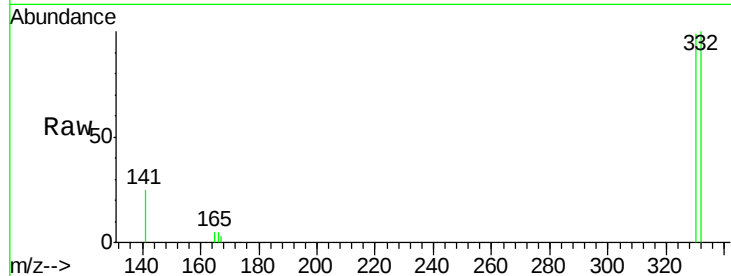




#13
 2,4,6-Tribromophenol
 Concen: 7.94 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BE092358.D
 Acq: 9 Sep 2016 17:11

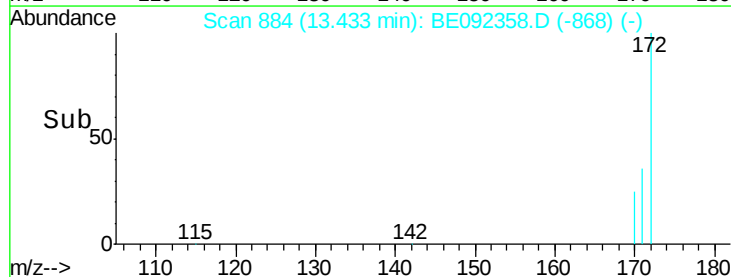
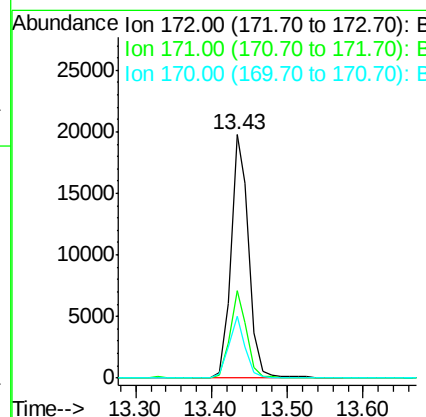
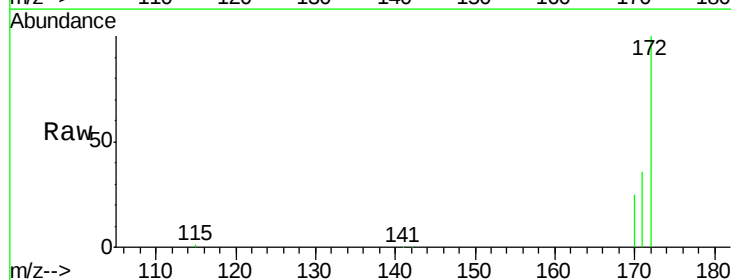
Instrument :
 BNA_E
 ClientSampleId :
 PB93313BS

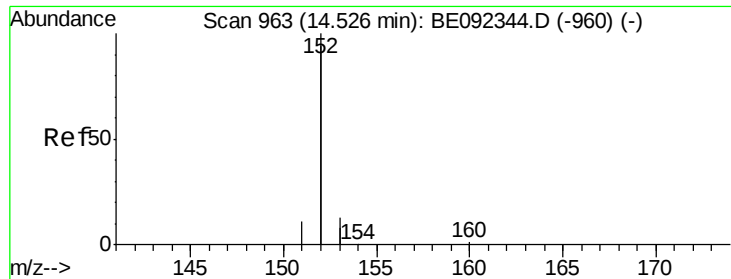
Tgt Ion:330 Resp: 6974
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.4 113.0
 141 42.3 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 3.71 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092358.D
 Acq: 9 Sep 2016 17:11

Tgt Ion:172 Resp: 32300
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.1 45.1
 170 25.2 21.8 32.6





#15

Acenaphthylene

Concen: 3.40 ng

RT: 14.53 min Scan# 963

Delta R.T. -0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

Instrument :

BNA_E

ClientSampleId :

PB93313BS

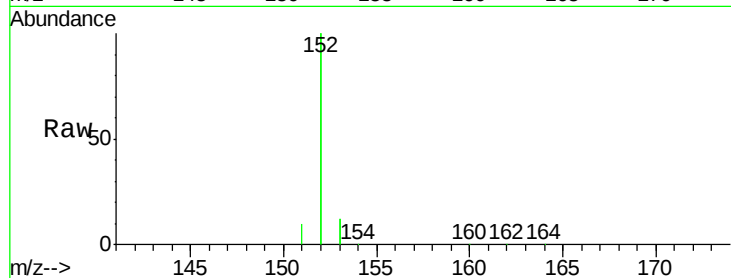
Tgt Ion:152 Resp: 165918

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

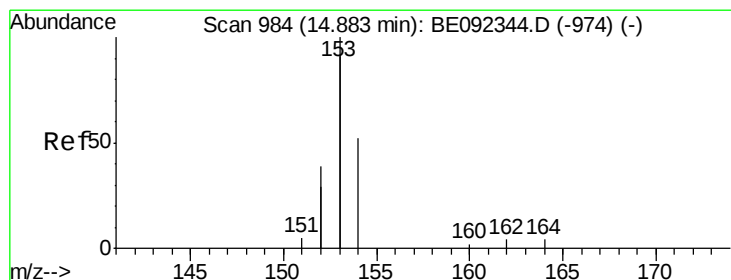
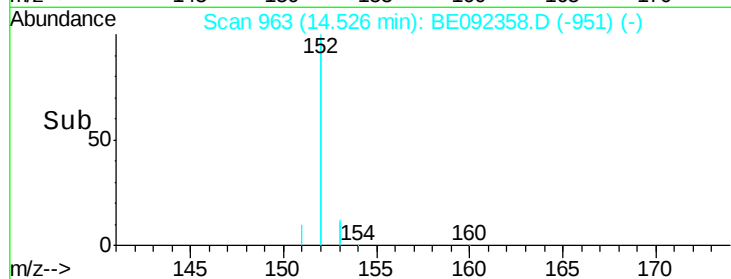
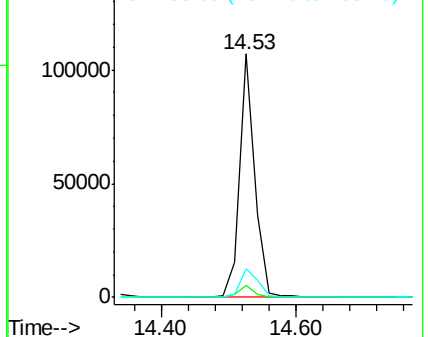
153 13.1 10.4 15.6



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: 3.17 ng

RT: 14.88 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

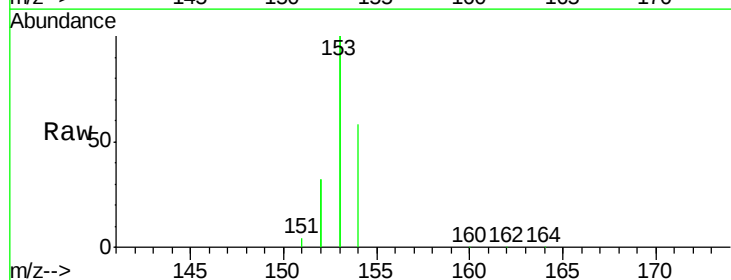
Tgt Ion:154 Resp: 25031

Ion Ratio Lower Upper

154 100

153 451.9 350.8 526.2

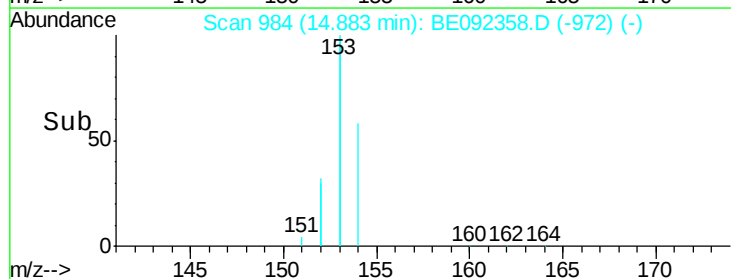
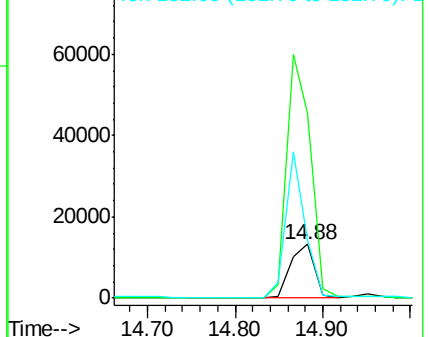
152 223.2 171.1 256.7

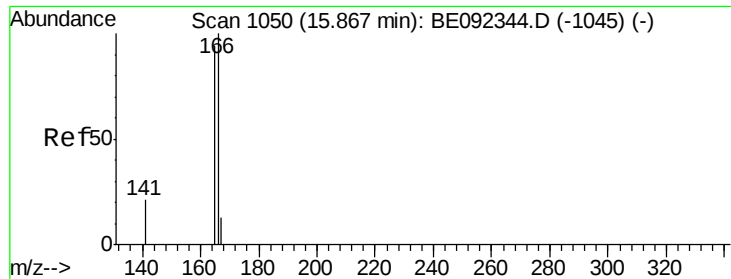


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

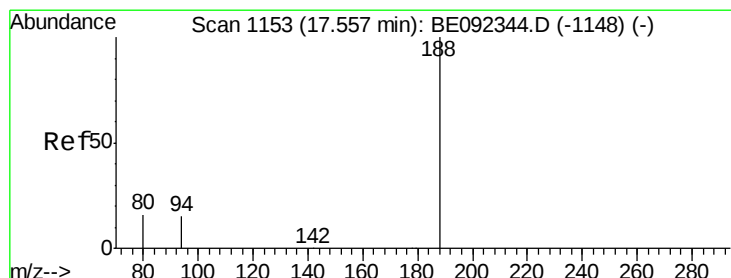
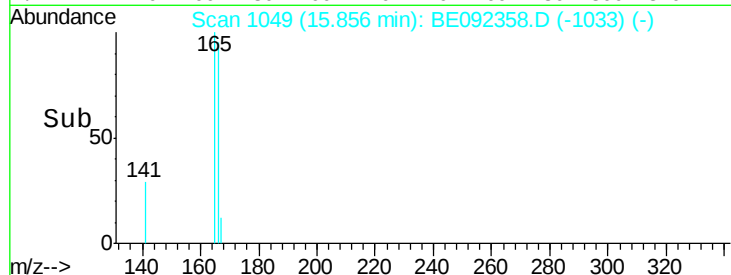
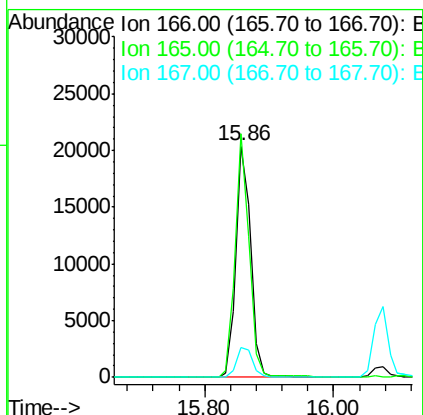
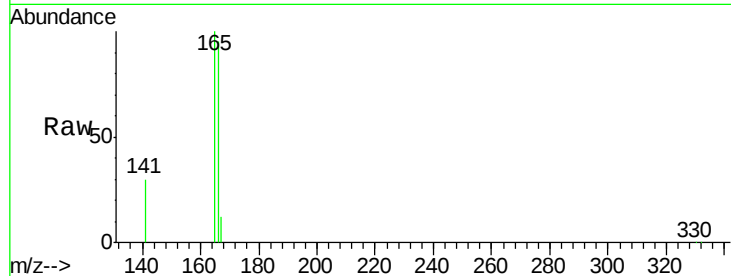




#17
Fluorene
 Concen: 3.18 ng
 RT: 15.86 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BE092358.D
 Acq: 9 Sep 2016 17:11

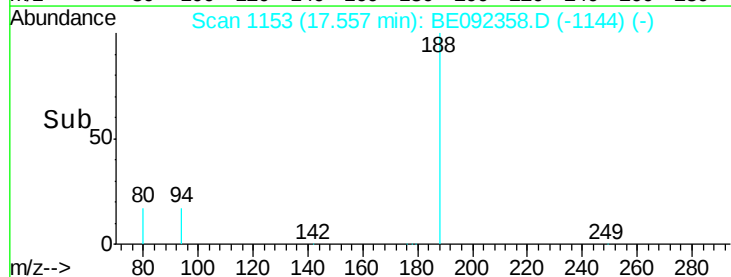
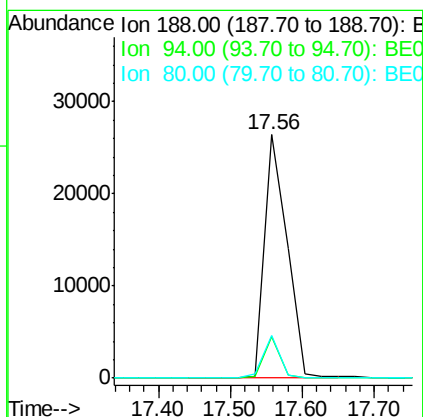
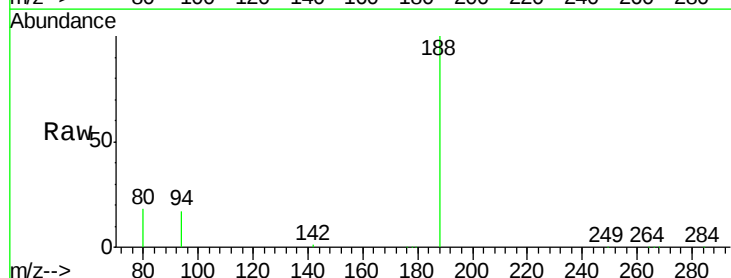
Instrument :
 BNA_E
 ClientSampleID :
 PB93313BS

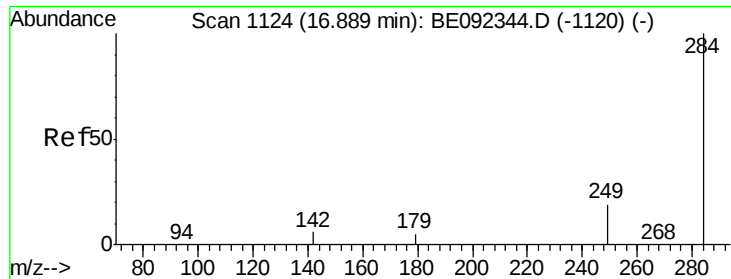
Tgt Ion:166 Resp: 31468
 Ion Ratio Lower Upper
 166 100
 165 99.3 78.2 117.4
 167 13.4 11.0 16.4



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.56 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BE092358.D
 Acq: 9 Sep 2016 17:11

Tgt Ion:188 Resp: 56990
 Ion Ratio Lower Upper
 188 100
 94 16.8 3.2 4.8#
 80 17.5 2.6 3.8#

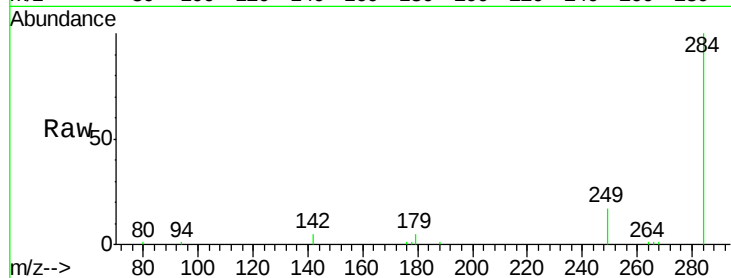




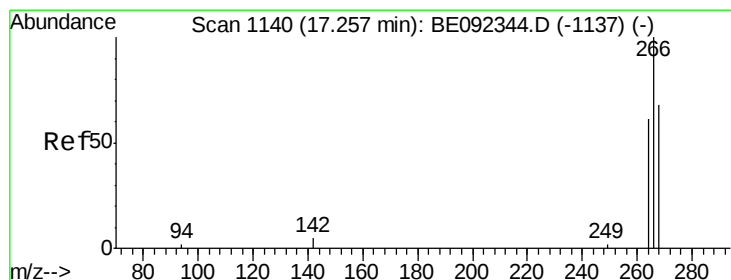
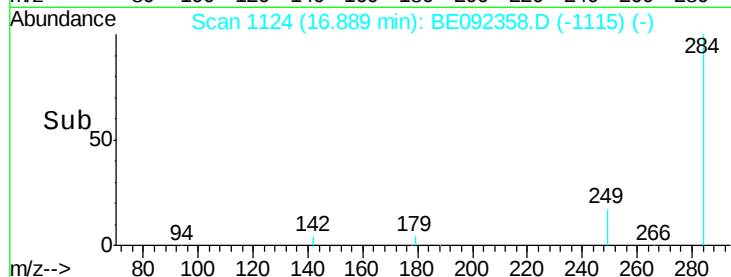
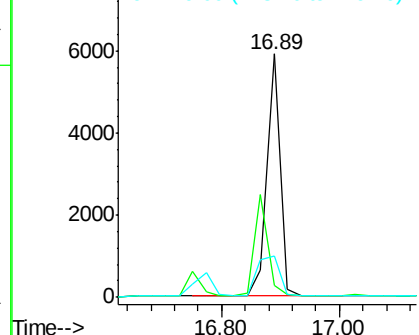
#19
Hexachlorobenzene
Concen: 3.37 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Instrument :
BNA_E
ClientSampleId :
PB93313BS

Tgt Ion: 284 Resp: 9209
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 27.7 27.9 41.9#

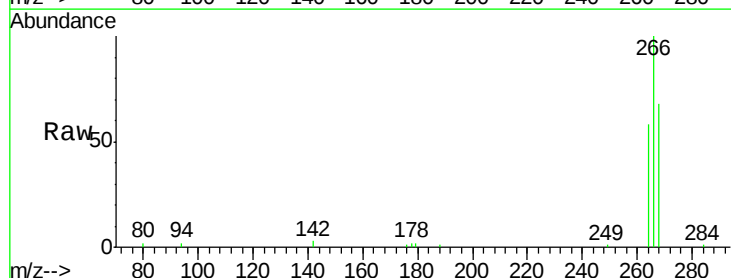


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

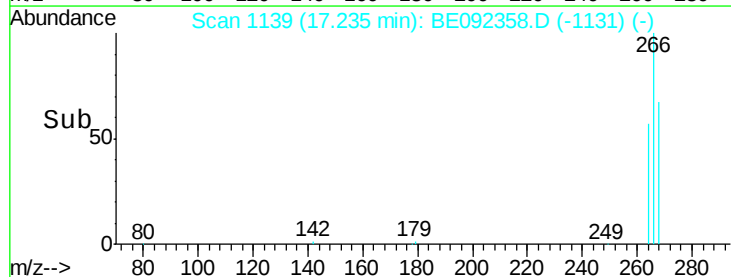
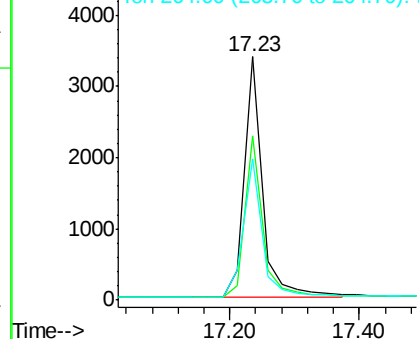


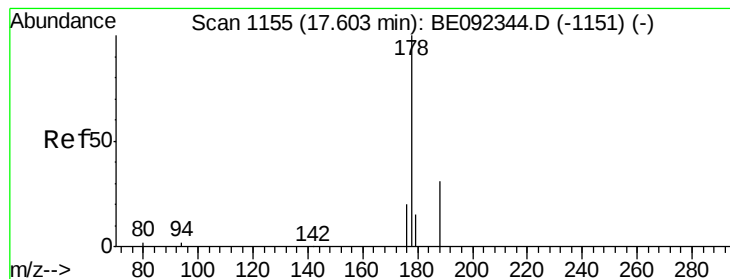
#20
Pentachlorophenol
Concen: 5.28 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092358.D
Acq: 9 Sep 2016 17:11

Tgt Ion: 266 Resp: 6485
Ion Ratio Lower Upper
266 100
268 67.7 62.5 93.7
264 57.8 57.2 85.8



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





#21

Phenanthrene

Concen: 3.38 ng

RT: 17.60 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

Instrument :

BNA_E

ClientSampleId :

PB93313BS

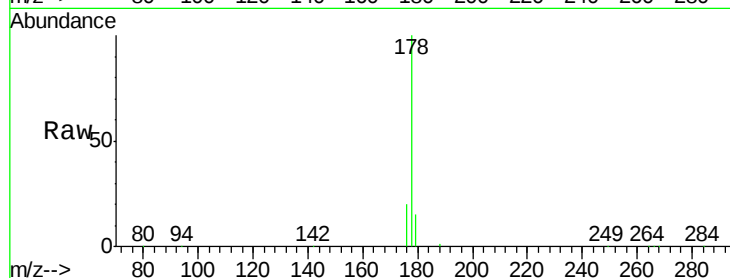
Tgt Ion:178 Resp: 54079

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

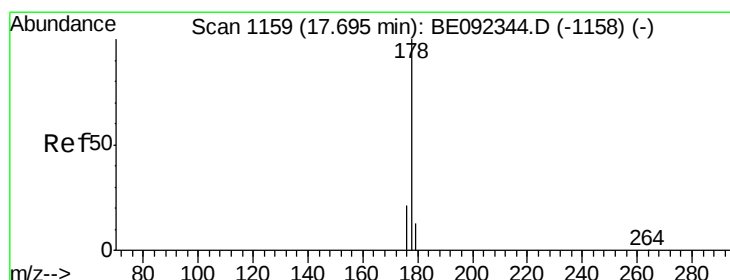
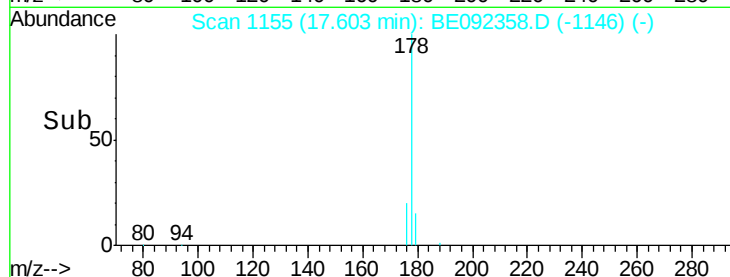
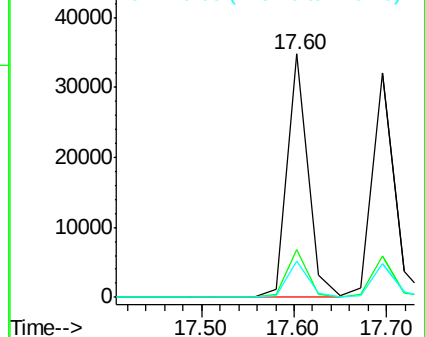
179 15.1 16.0 24.0#



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



#22

Anthracene

Concen: 3.61 ng

RT: 17.70 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

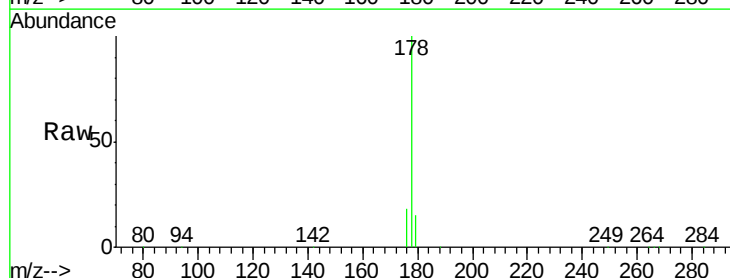
Tgt Ion:178 Resp: 51401

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

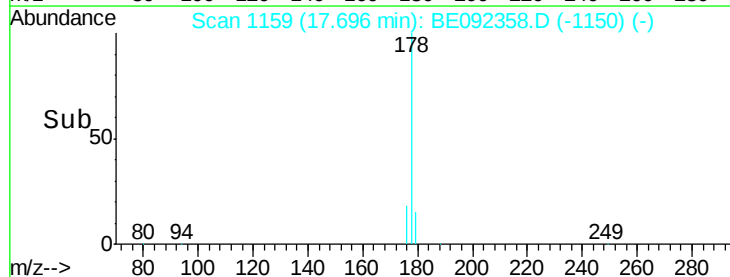
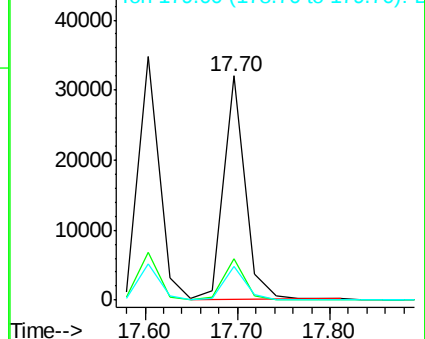
179 15.2 12.2 18.2

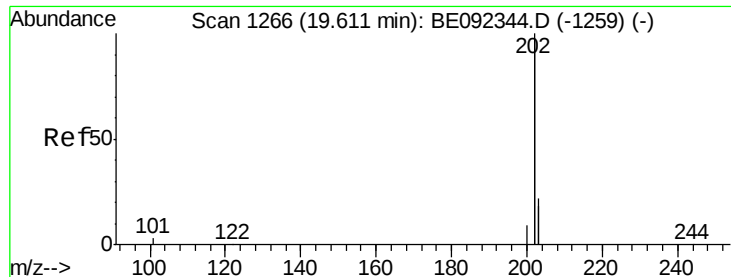


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 2.98 ng

RT: 19.59 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

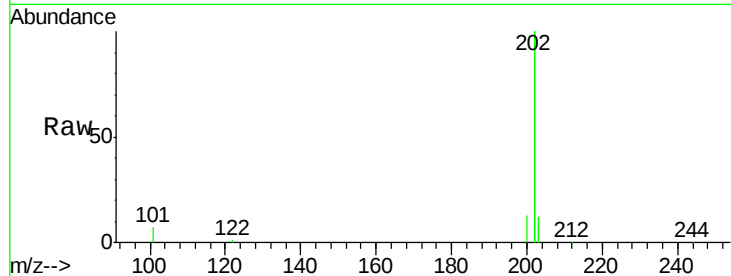
Instrument :

BNA_E

ClientSampleId :

PB93313BS

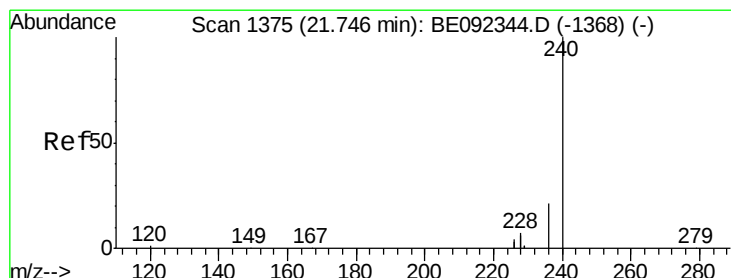
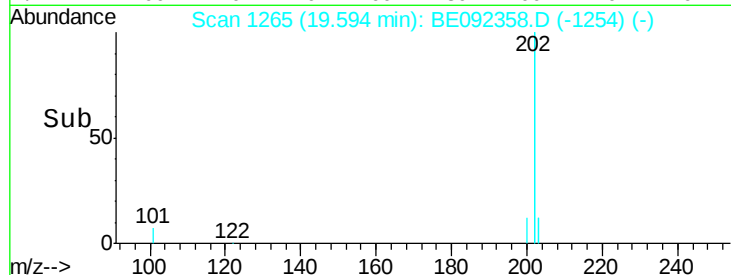
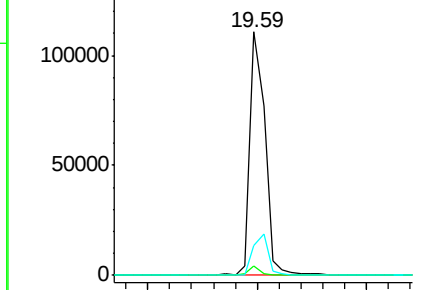
Tgt Ion:	202	Resp:	208587
Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.5	13.7	20.5



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

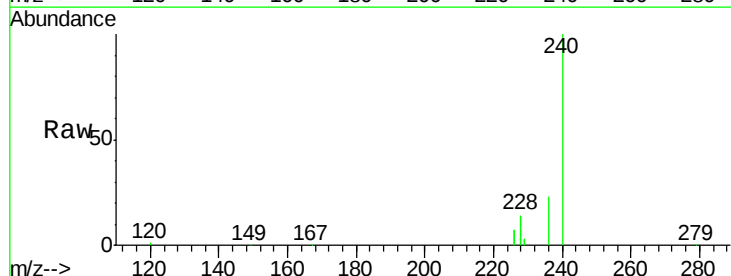
RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

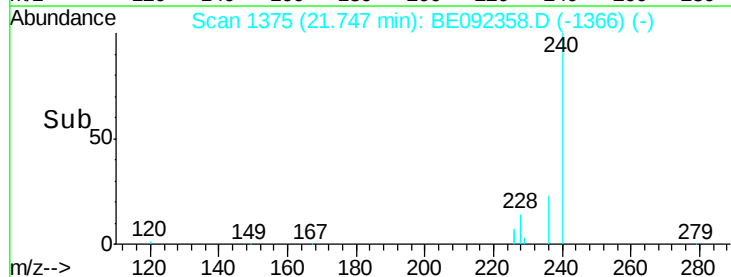
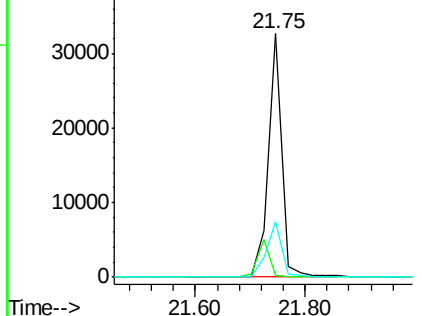
Tgt Ion:	240	Resp:	56050
Ion	Ratio	Lower	Upper
240	100		
120	0.9	2.6	4.0#
236	22.9	24.6	37.0#

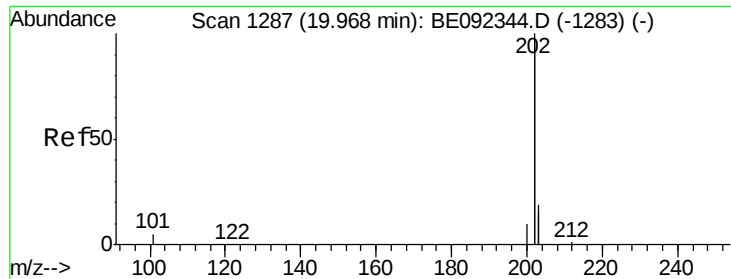


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

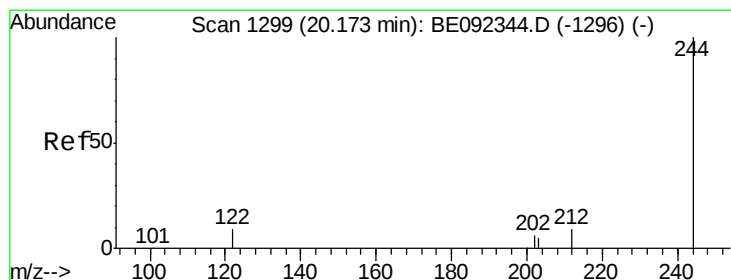
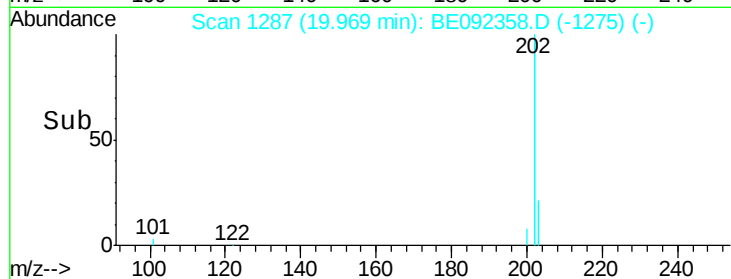
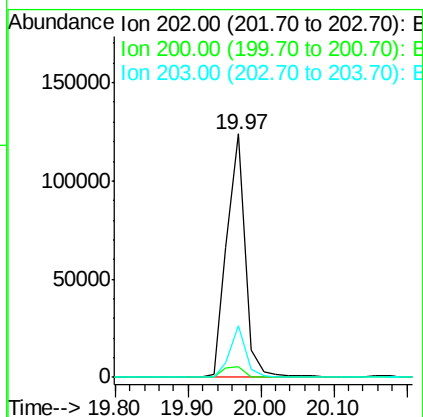
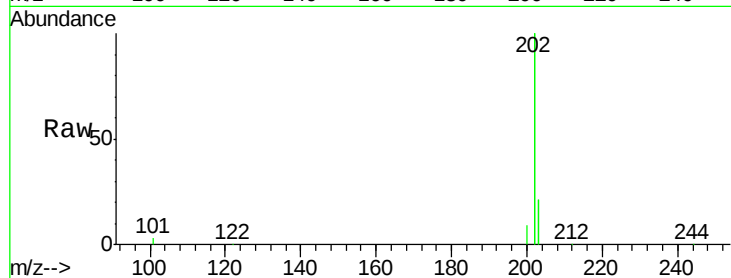




#25
 Pyrene
 Concen: 3.93 ng
 RT: 19.97 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BE092358.D
 Acq: 9 Sep 2016 17:11

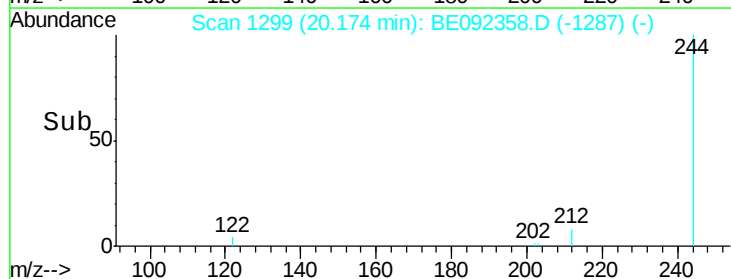
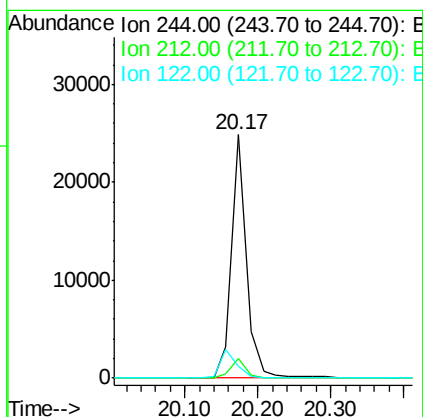
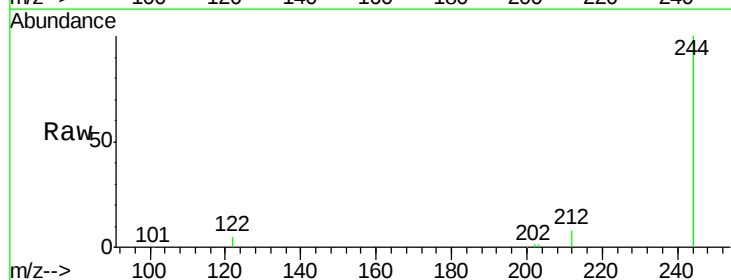
Instrument :
 BNA_E
 ClientSampleId :
 PB93313BS

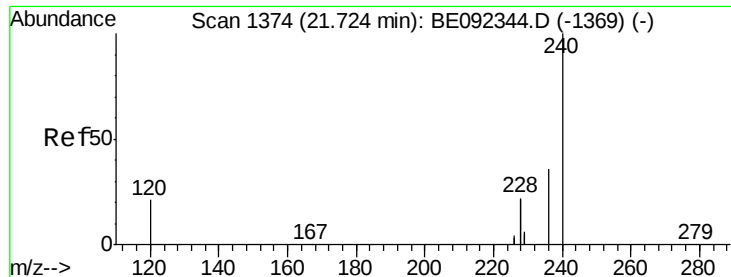
Tgt Ion: 202 Resp: 214477
 Ion Ratio Lower Upper
 202 100
 200 5.3 4.2 6.4
 203 18.2 13.9 20.9



#26
 Terphenyl-d14
 Concen: 4.21 ng
 RT: 20.17 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BE092358.D
 Acq: 9 Sep 2016 17:11

Tgt Ion: 244 Resp: 34901
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.7 10.1
 122 4.7 3.6 5.4





#27

Benzo(a)anthracene

Concen: 3.14 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

Instrument :

BNA_E

ClientSampleId :

PB93313BS

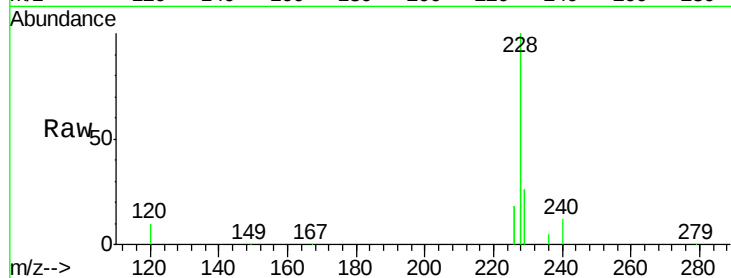
Tgt Ion:228 Resp: 189661

Ion Ratio Lower Upper

228 100

226 17.6 23.6 35.4#

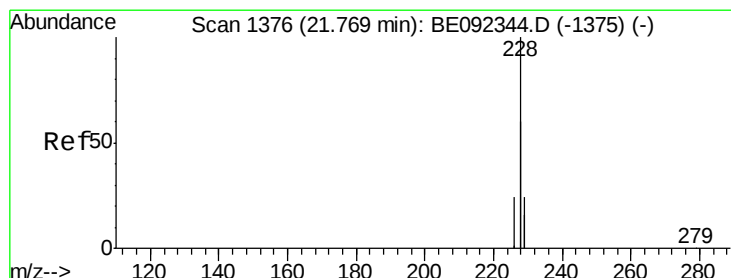
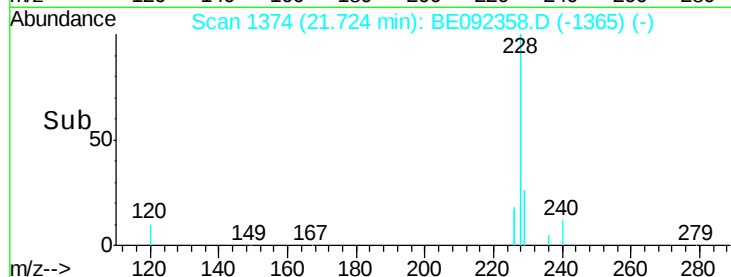
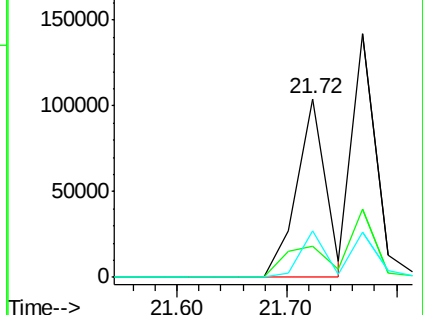
229 26.1 13.3 19.9#



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



#28

Chrysene

Concen: 3.36 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.04 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

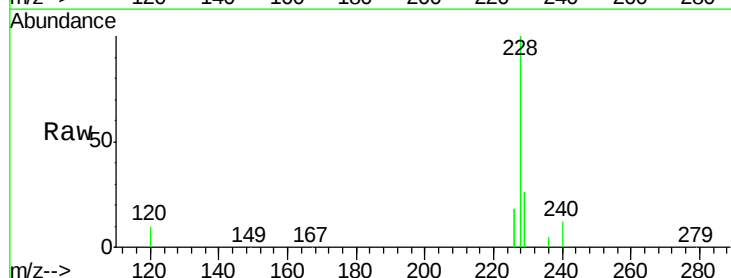
Tgt Ion:228 Resp: 189671

Ion Ratio Lower Upper

228 100

226 17.6 36.3 54.5#

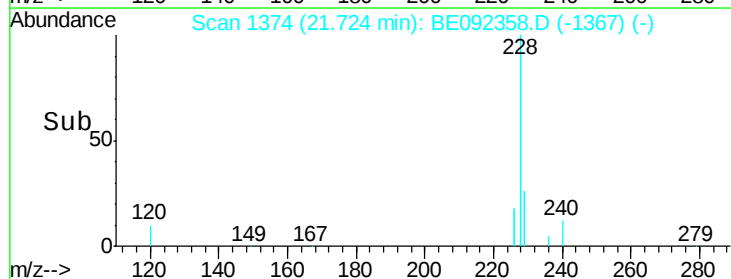
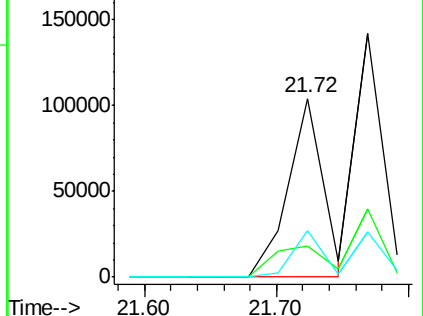
229 26.1 10.6 16.0#

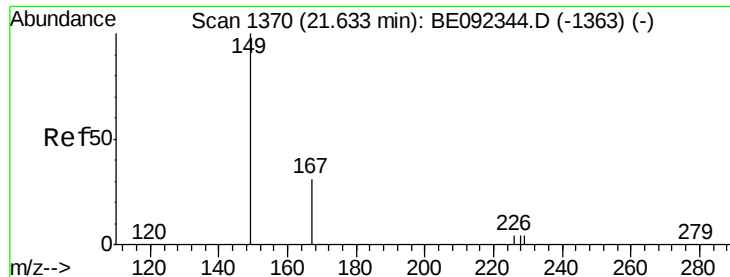


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 3.74 ng

RT: 21.63 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

Instrument :

BNA_E

ClientSampleId :

PB93313BS

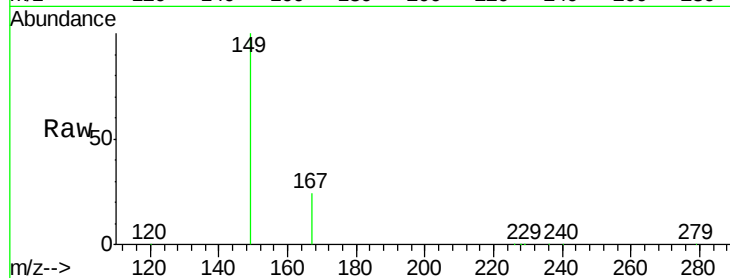
Tgt Ion:149 Resp: 29051

Ion Ratio Lower Upper

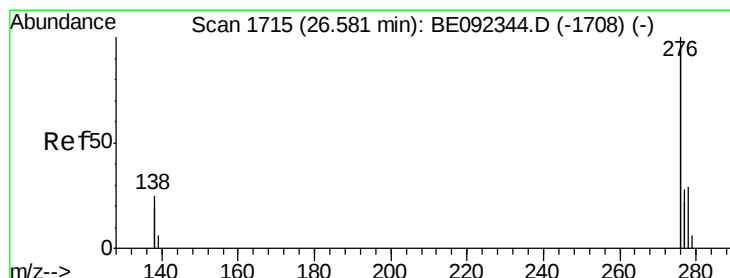
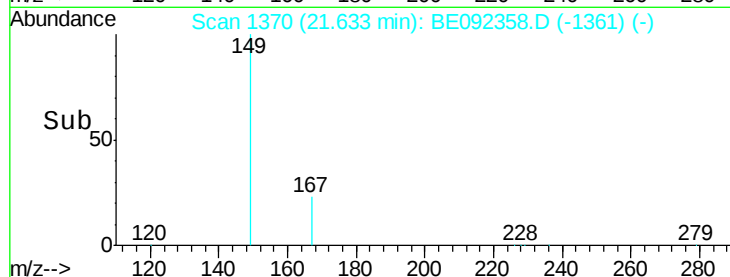
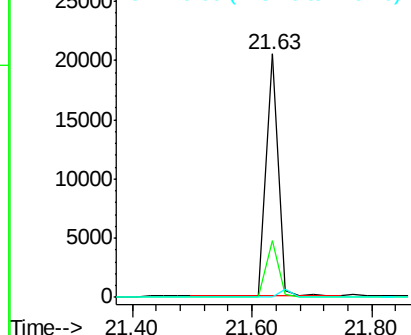
149 100

167 23.6 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



#30

Indeno(1,2,3-cd)pyrene

Concen: 3.60 ng

RT: 26.58 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

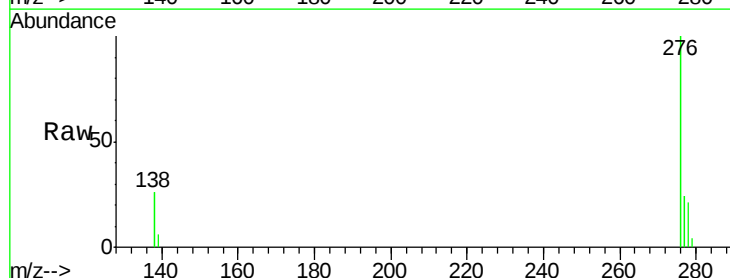
Tgt Ion:276 Resp: 229404

Ion Ratio Lower Upper

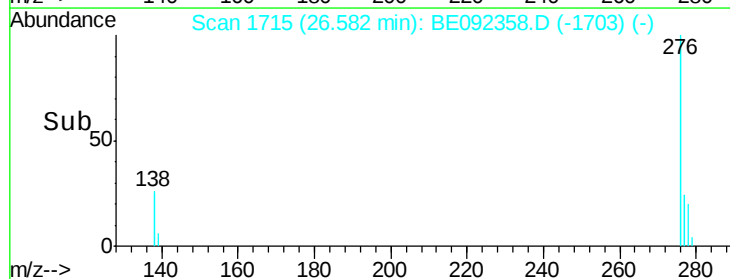
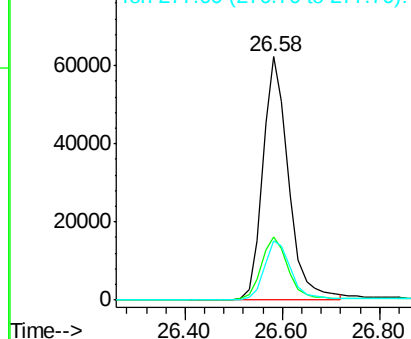
276 100

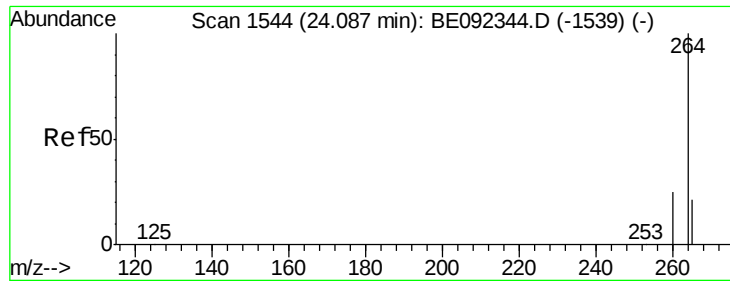
138 26.7 20.3 30.5

277 24.9 19.7 29.5



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

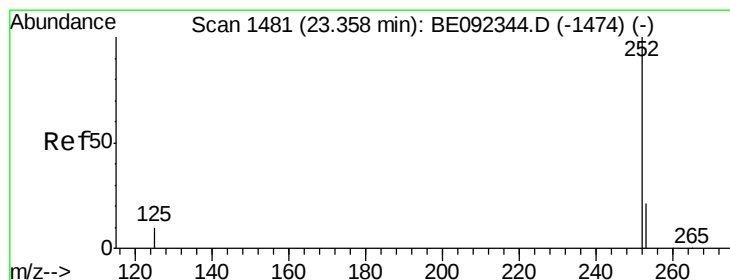
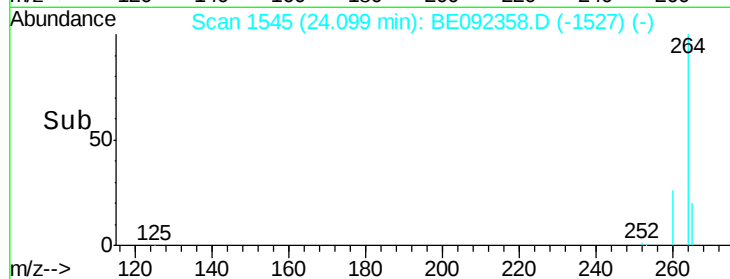
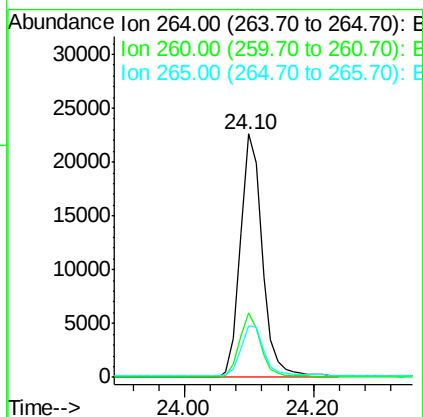
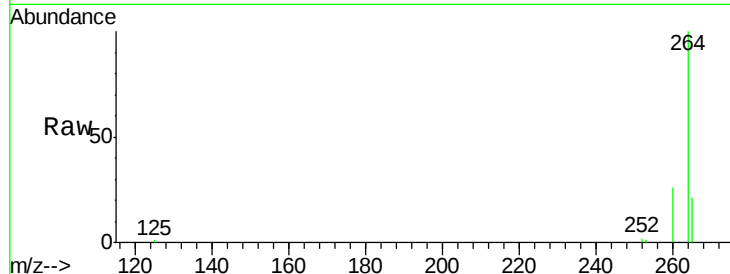




#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.10 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: BE092358.D
 Acq: 9 Sep 2016 17:11

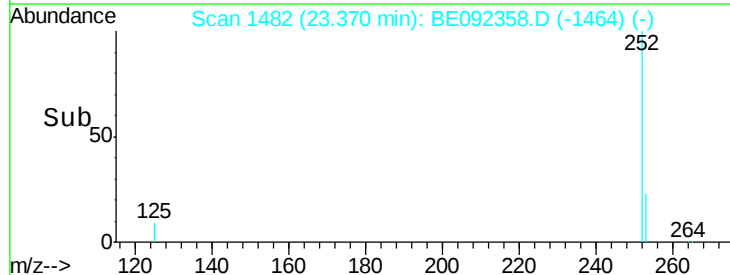
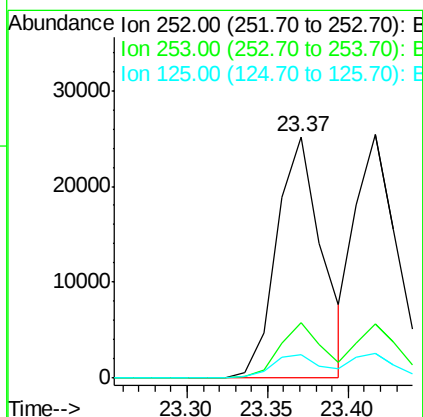
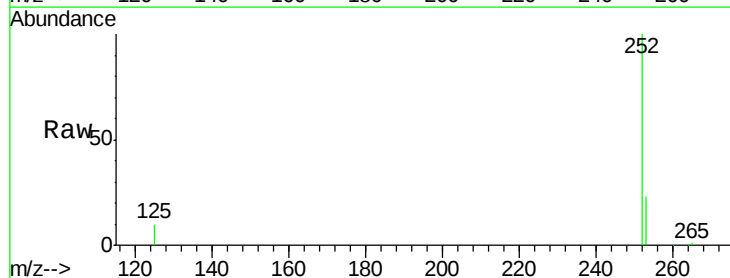
Instrument :
 BNA_E
 ClientSampleId :
 PB93313BS

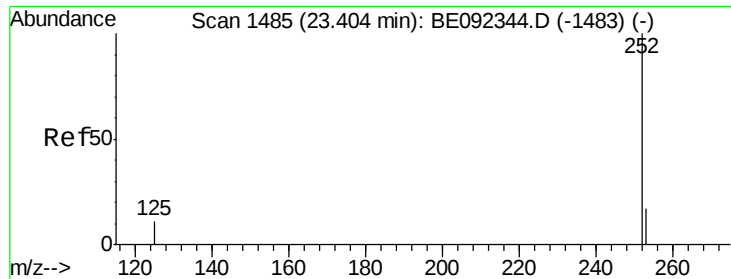
Tgt Ion: 264 Resp: 52801
 Ion Ratio Lower Upper
 264 100
 260 26.2 20.1 30.1
 265 21.2 17.9 26.9



#32
 Benzo(b)fluoranthene
 Concen: 3.61 ng
 RT: 23.37 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BE092358.D
 Acq: 9 Sep 2016 17:11

Tgt Ion: 252 Resp: 48972
 Ion Ratio Lower Upper
 252 100
 253 22.8 18.7 28.1
 125 9.8 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 3.28 ng

RT: 23.42 min Scan# 1486

Delta R.T. 0.01 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

Instrument :

BNA_E

ClientSampleId :

PB93313BS

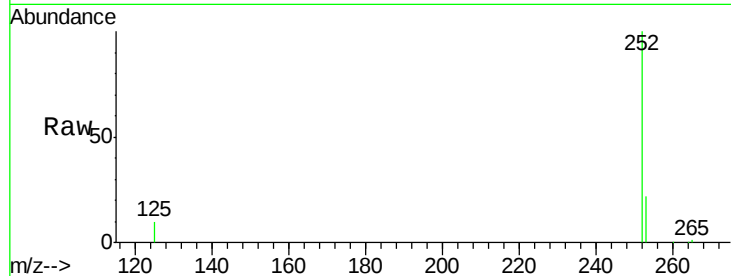
Tgt Ion:252 Resp: 47061

Ion Ratio Lower Upper

252 100

253 22.2 20.3 30.5

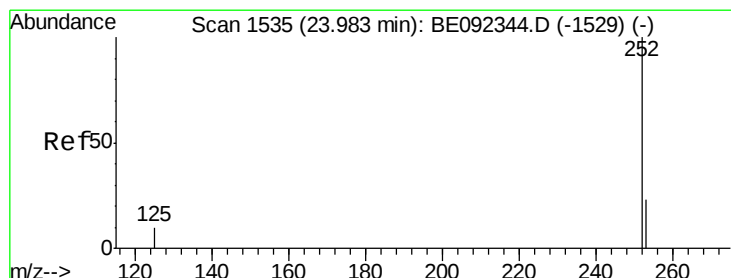
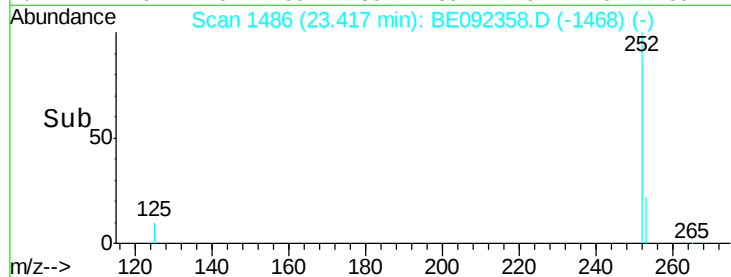
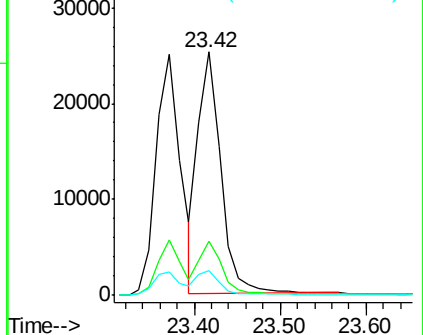
125 9.9 9.6 14.4



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



#34

Benzo(a)pyrene

Concen: 3.47 ng

RT: 24.00 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

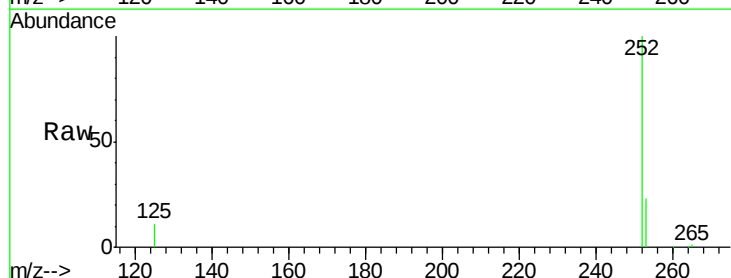
Tgt Ion:252 Resp: 46370

Ion Ratio Lower Upper

252 100

253 23.2 19.0 28.6

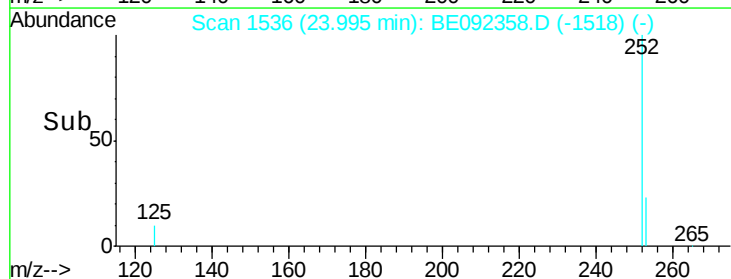
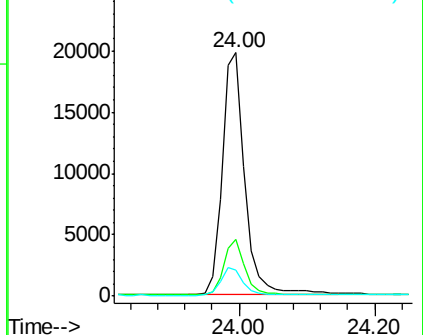
125 10.7 11.8 17.8#

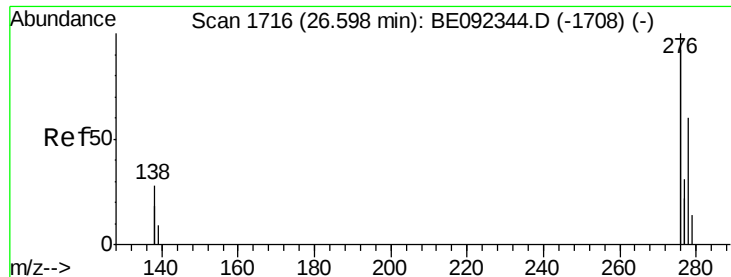


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 3.92 ng

RT: 26.62 min Scan# 1717

Delta R.T. 0.02 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

Instrument :

BNA_E

ClientSampleId :

PB93313BS

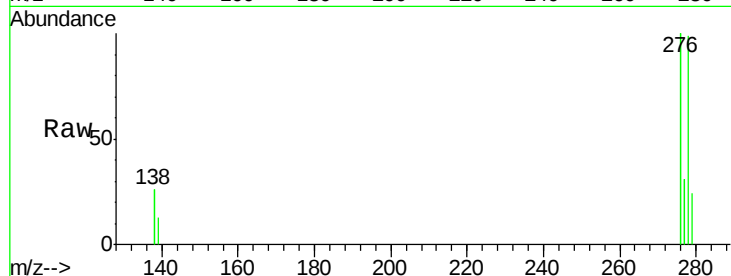
Tgt Ion:278 Resp: 48396

Ion Ratio Lower Upper

278 100

139 13.4 13.8 20.8#

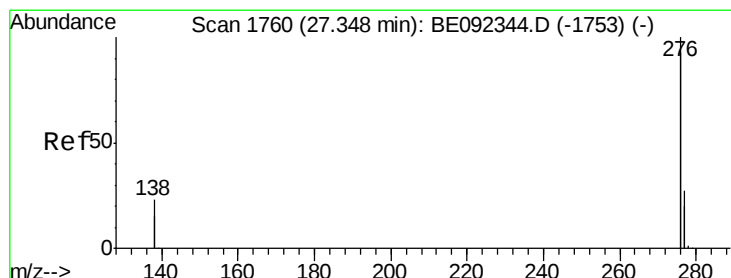
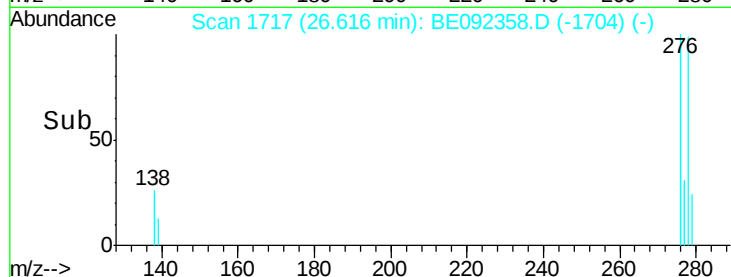
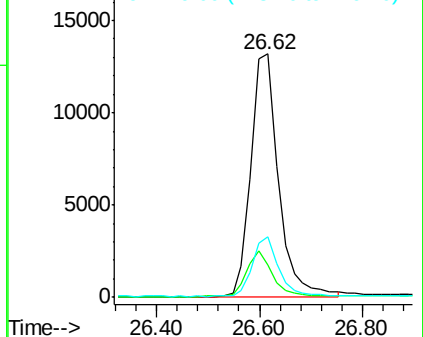
279 24.6 21.4 32.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#36

Benzo(g,h,i)perylene

Concen: 3.83 ng

RT: 27.35 min Scan# 1760

Delta R.T. 0.00 min

Lab File: BE092358.D

Acq: 9 Sep 2016 17:11

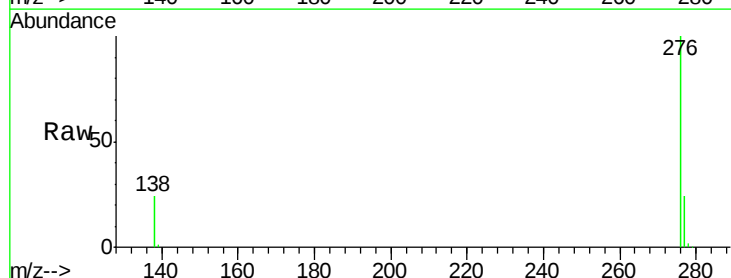
Tgt Ion:276 Resp: 199281

Ion Ratio Lower Upper

276 100

277 23.6 19.8 29.8

138 24.2 19.8 29.6



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

