

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091616\
 Data File : BE092386.D
 Acq On : 16 Sep 2016 10:54
 Operator : UM/SJ
 Sample : PB93386BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB93386BS

Quant Time: Sep 16 11:31:04 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	8.16	152	11212	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	50748	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	32881	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	61490	5.00	ng	0.02
24) Chrysene-d12	21.75	240	80484	5.00	ng	0.00
31) Perylene-d12	24.12	264	77419	5.00	ng	0.04

System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	20562	7.72	ng	-0.02
5) Phenol-d6	7.34	99	28351	7.97	ng	-0.02
8) Nitrobenzene-d5	9.34	82	12547	3.44	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	7548	7.41	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	30022	2.98	ng	-0.01
26) Terphenyl-d14	20.19	244	35460	2.98	ng	0.02

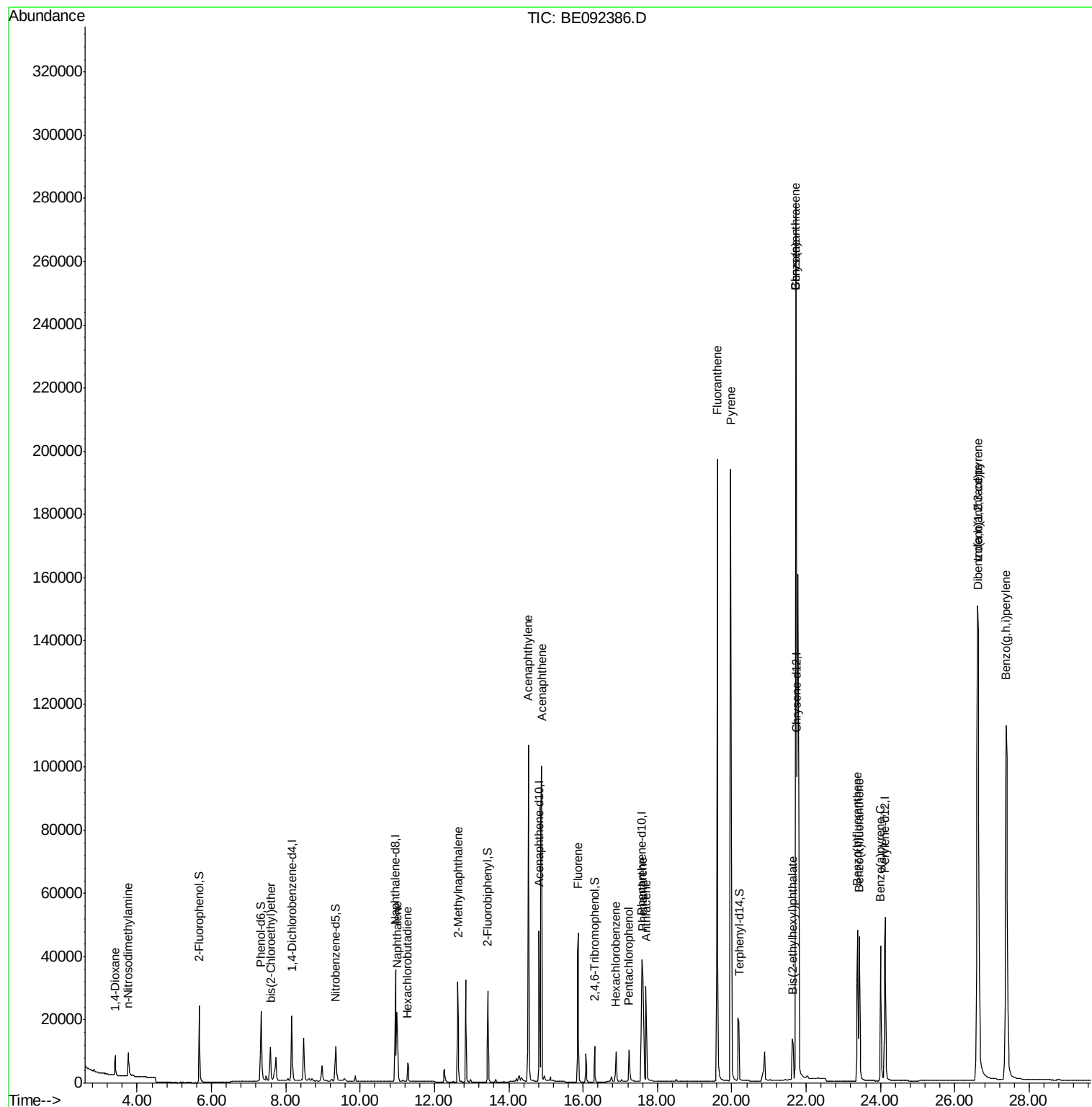
Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	3899	2.81	ng	# 87
3) n-Nitrosodimethylamine	3.76	42	6159	3.48	ng	# 97
6) bis(2-Chloroethyl)ether	7.59	93	10138	3.00	ng	94
9) Naphthalene	10.99	128	35361	3.11	ng	# 95
10) Hexachlorobutadiene	11.28	225	5532	3.12	ng	99
11) 2-Methylnaphthalene	12.62	142	24381	3.28	ng	93
15) Acenaphthylene	14.53	152	163130	2.88	ng	100
16) Acenaphthene	14.88	154	24646	2.69	ng	94
17) Fluorene	15.87	166	32594	2.83	ng	98
19) Hexachlorobenzene	16.89	284	9402	3.19	ng	# 66
20) Pentachlorophenol	17.23	266	8604	6.01	ng	# 85
21) Phenanthrene	17.60	178	50658	2.93	ng	# 94
22) Anthracene	17.69	178	48962	3.18	ng	99
23) Fluoranthene	19.61	202	230436	3.05	ng	98
25) Pyrene	19.97	202	242747	3.10	ng	100
27) Benzo(a)anthracene	21.72	228	514338	5.92	ng	98
28) Chrysene	21.72	228	517319	6.48	ng	# 79
29) Bis(2-ethylhexyl)phthalate	21.63	149	25045	1.87	ng	# 56
30) Indeno(1,2,3-cd)pyrene	26.62	276	325071	3.55	ng	98
32) Benzo(b)fluoranthene	23.38	252	68049	3.42	ng	# 95
33) Benzo(k)fluoranthene	23.43	252	67364	3.21	ng	93
34) Benzo(a)pyrene	24.01	252	68113	3.48	ng	# 94
35) Dibenzo(a,h)anthracene	26.63	278	68569	3.78	ng	94
36) Benzo(g,h,i)perylene	27.38	276	284157	3.72	ng	97

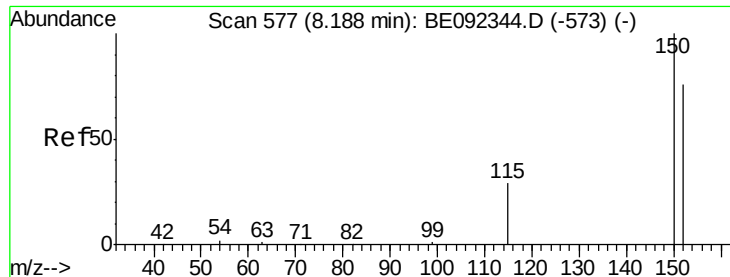
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091616\
Data File : BE092386.D
Acq On : 16 Sep 2016 10:54
Operator : UM/SJ
Sample : PB93386BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB93386BS

Quant Time: Sep 16 11:31:04 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

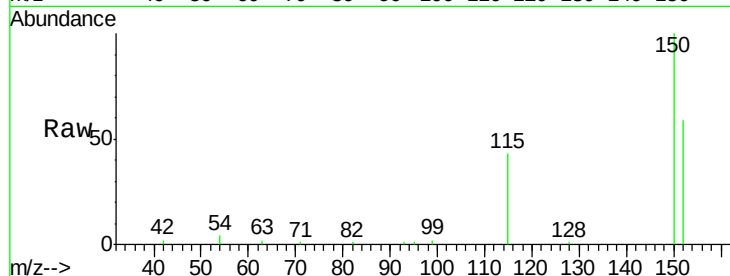
Tgt Ion:152 Resp: 11212

Ion Ratio Lower Upper

152 100

150 168.9 106.0 159.0#

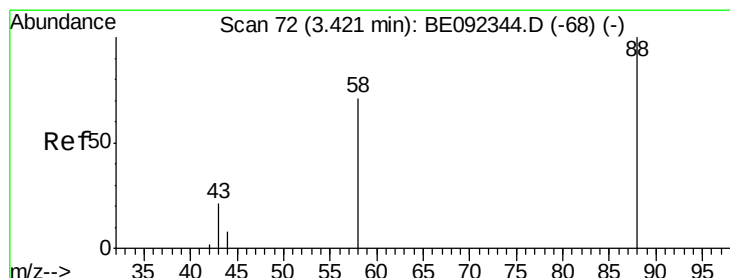
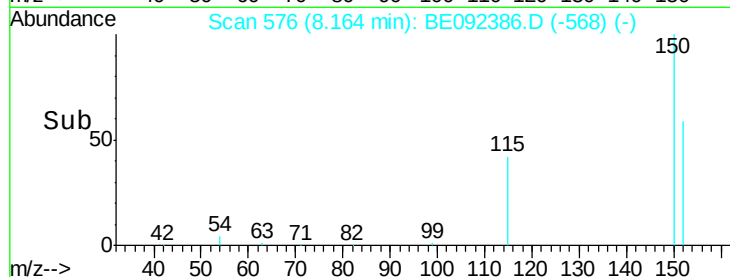
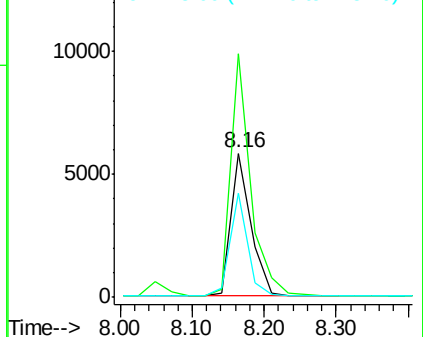
115 71.9 31.2 46.8#



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: 2.81 ng

RT: 3.41 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

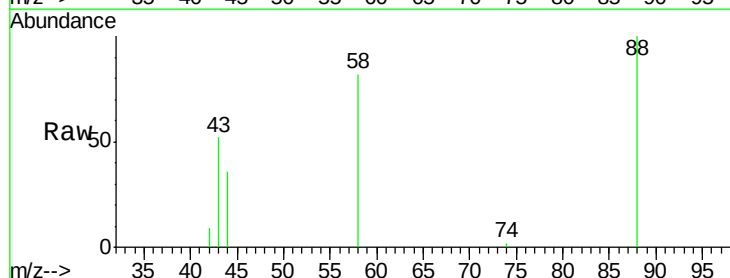
Tgt Ion: 88 Resp: 3899

Ion Ratio Lower Upper

88 100

58 89.7 63.6 95.4

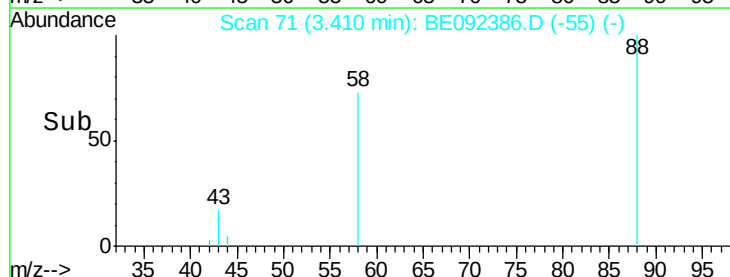
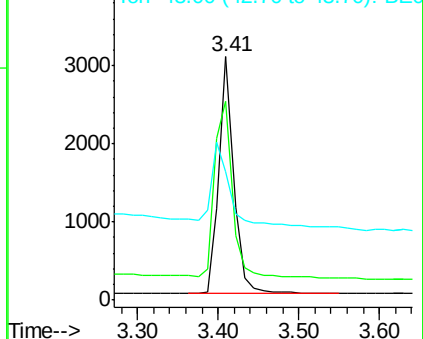
43 44.1 28.0 42.0#

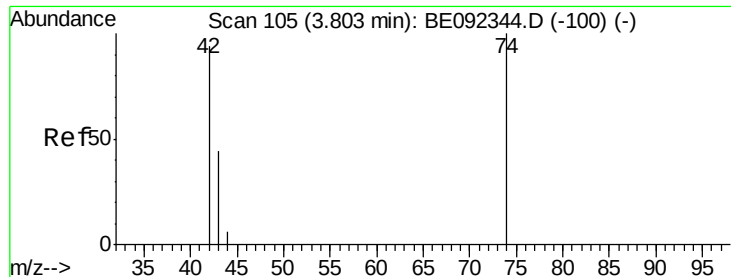


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.48 ng

RT: 3.76 min Scan# 101

Delta R.T. -0.05 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

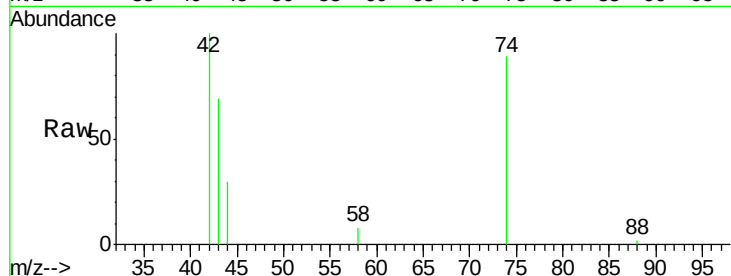
Tgt Ion: 42 Resp: 6159

Ion Ratio Lower Upper

42 100

74 109.9 86.0 129.0

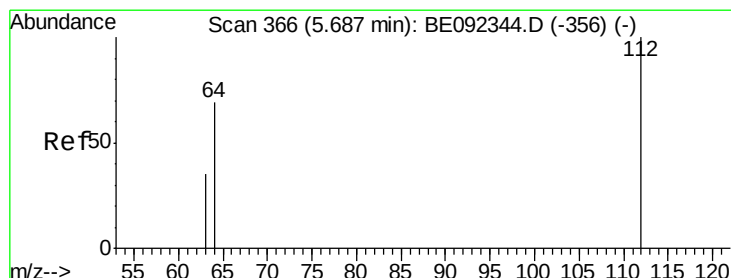
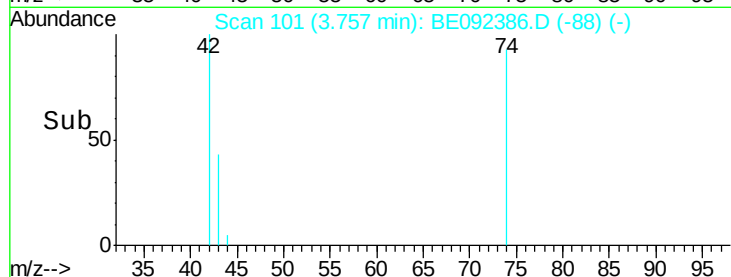
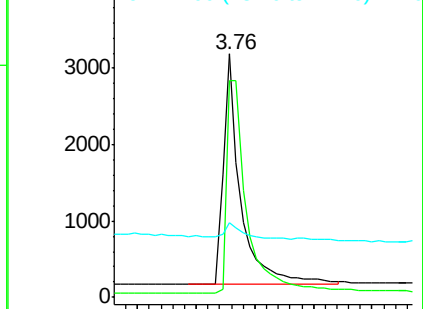
44 11.4 5.1 7.7#



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: 7.72 ng

RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

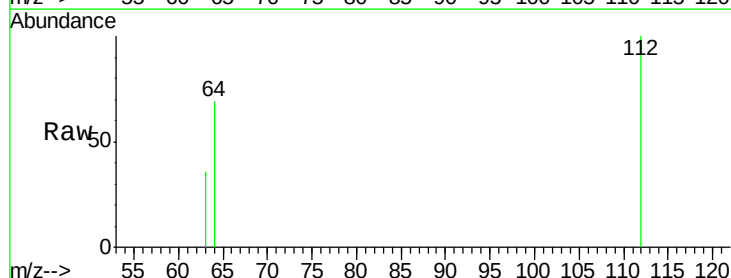
Tgt Ion: 112 Resp: 20562

Ion Ratio Lower Upper

112 100

64 67.8 53.5 80.3

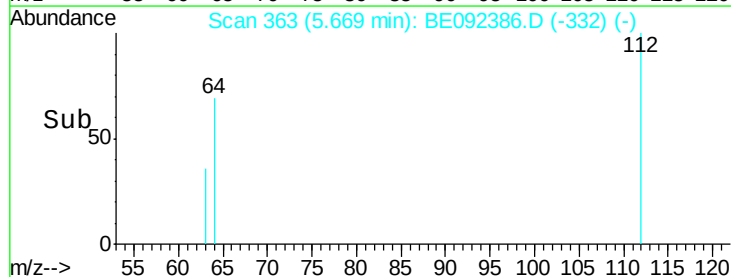
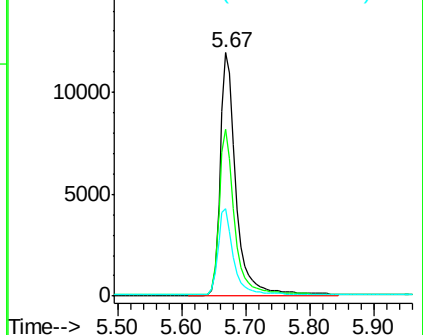
63 36.0 27.9 41.9

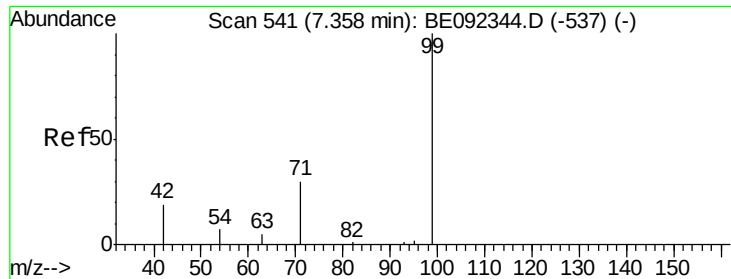


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.97 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

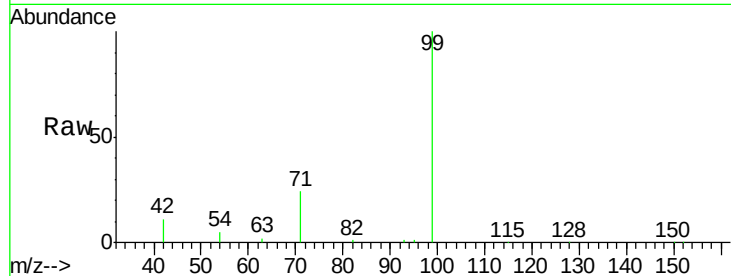
Tgt Ion: 99 Resp: 28351

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

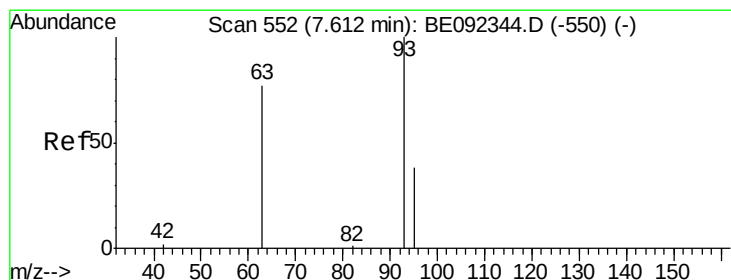
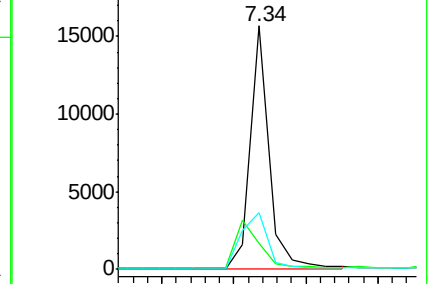
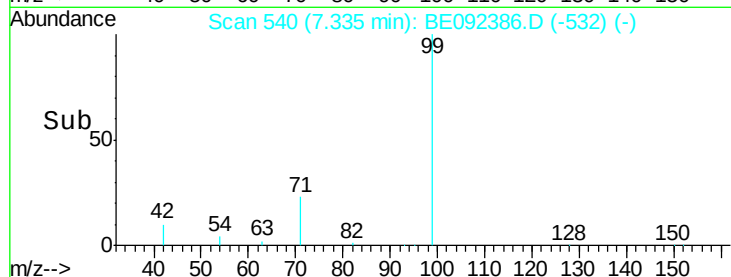
71 33.1 30.6 45.8



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: 3.00 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

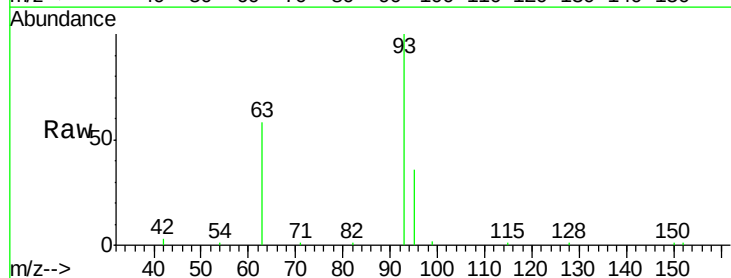
Tgt Ion: 93 Resp: 10138

Ion Ratio Lower Upper

93 100

63 84.8 71.6 107.4

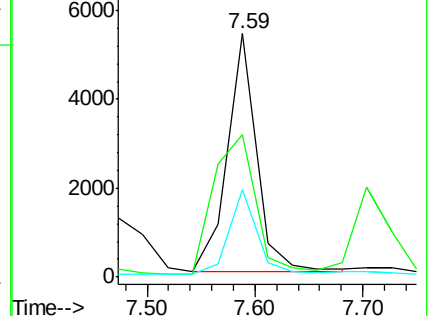
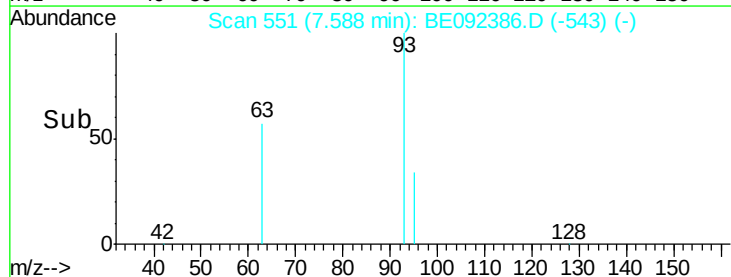
95 35.4 24.0 36.0

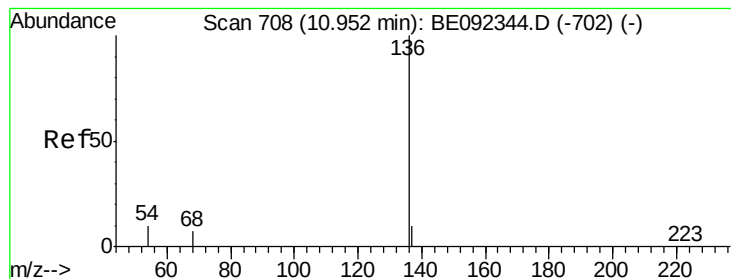


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

Tgt Ion:136 Resp: 50748

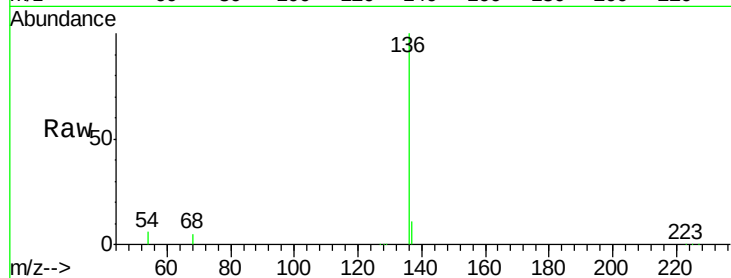
Ion Ratio Lower Upper

136 100

137 11.3 8.2 12.4

54 6.2 9.6 14.4#

68 4.9 6.7 10.1#

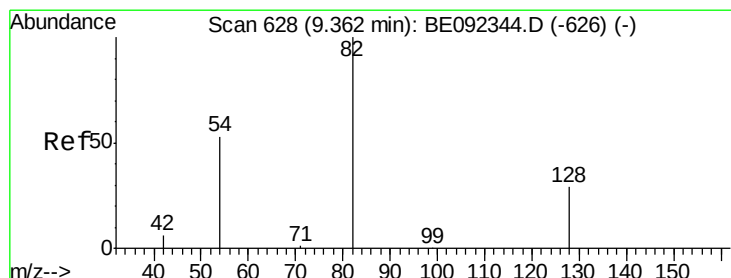
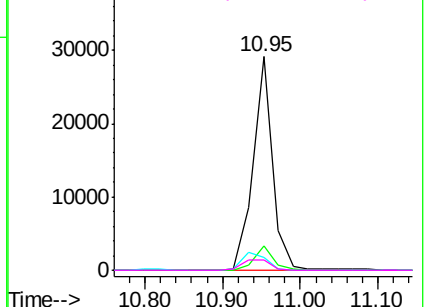
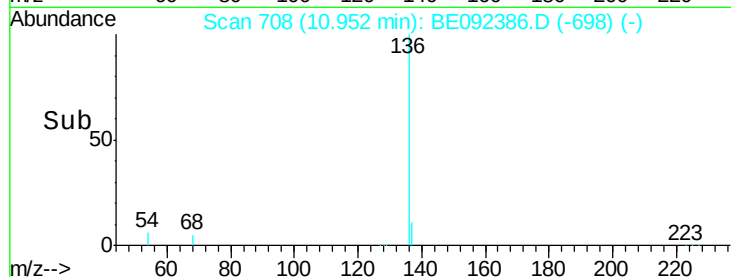


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.44 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

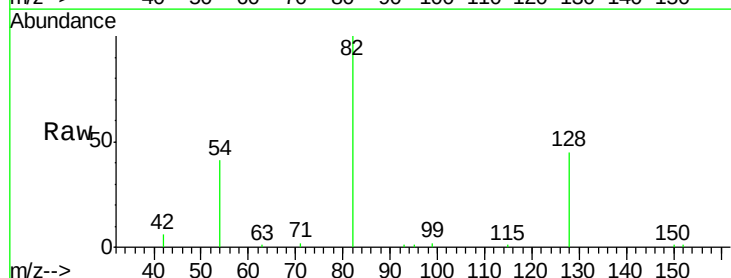
Tgt Ion: 82 Resp: 12547

Ion Ratio Lower Upper

82 100

128 44.7 39.0 58.4

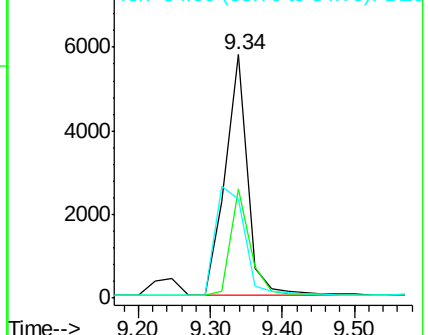
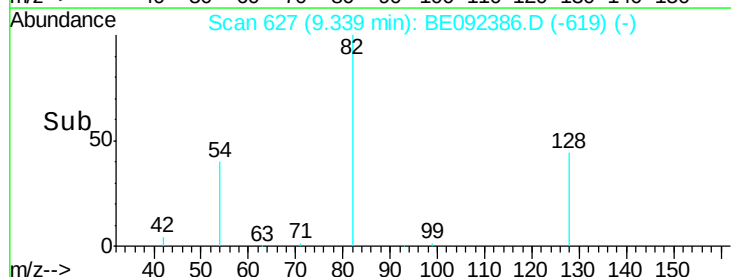
54 40.6 44.8 67.2#

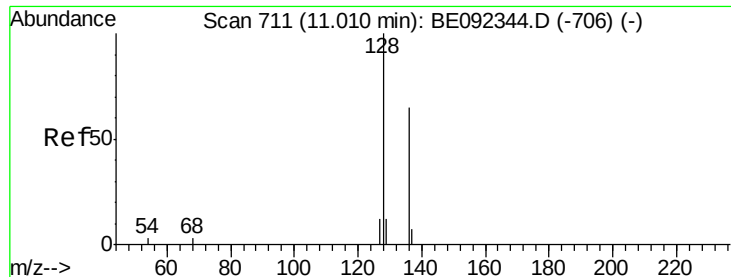


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.11 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

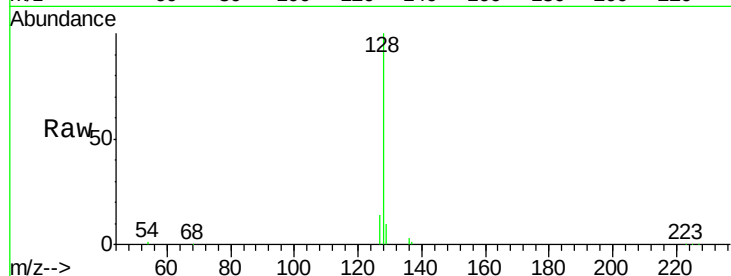
Tgt Ion:128 Resp: 35361

Ion Ratio Lower Upper

128 100

129 10.4 11.2 16.8#

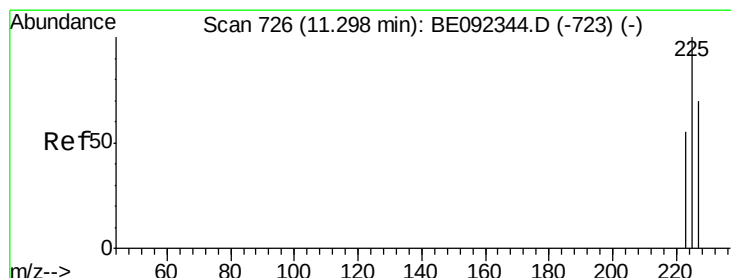
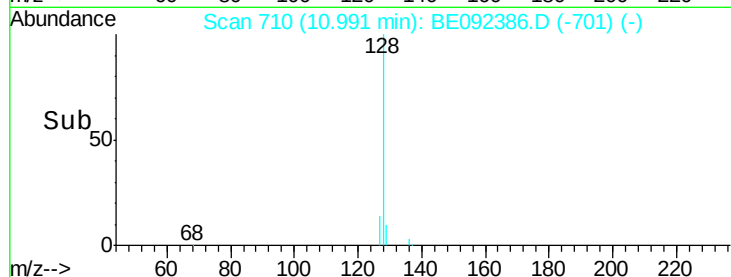
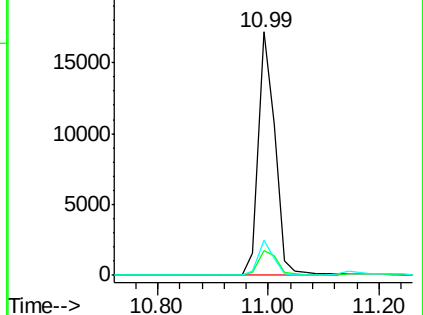
127 14.2 11.6 17.4



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: 3.12 ng

RT: 11.28 min Scan# 725

Delta R.T. -0.02 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

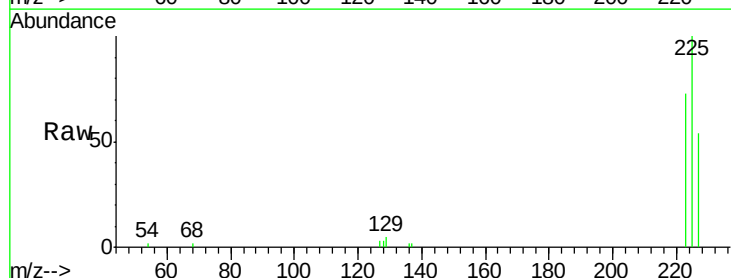
Tgt Ion:225 Resp: 5532

Ion Ratio Lower Upper

225 100

223 62.8 50.6 76.0

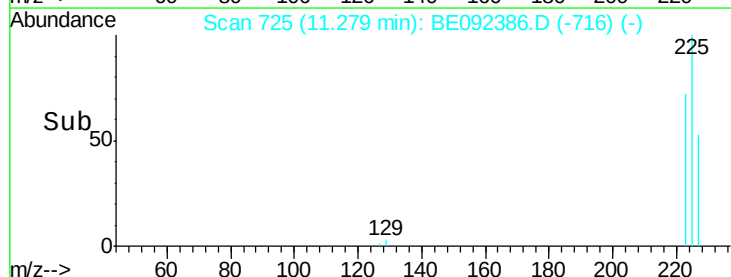
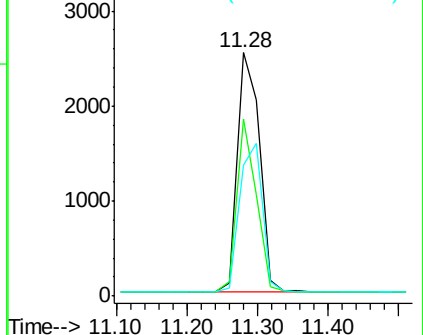
227 63.9 51.4 77.0

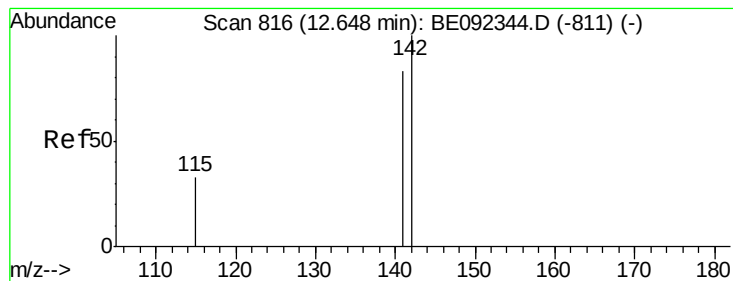


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 3.28 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.02 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

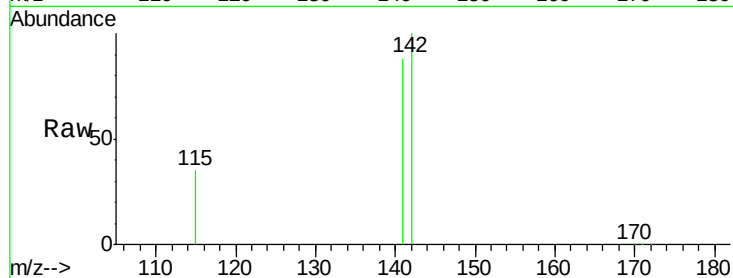
Tgt Ion:142 Resp: 24381

Ion Ratio Lower Upper

142 100

141 87.7 73.7 110.5

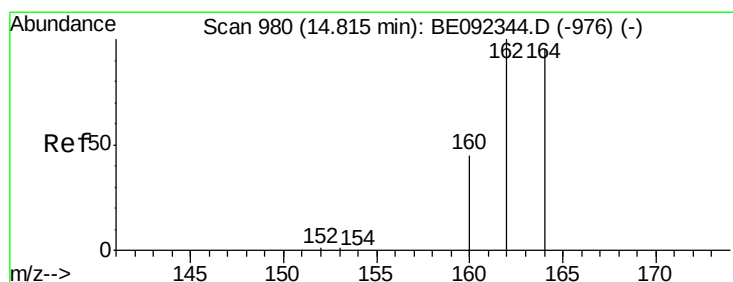
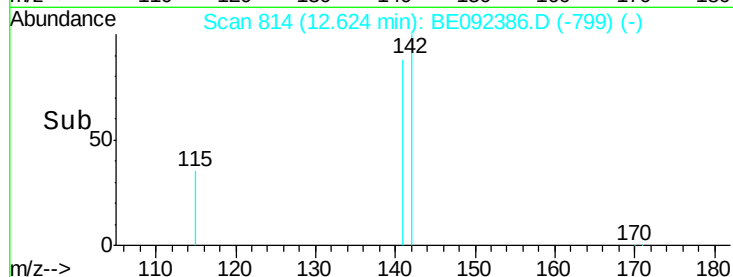
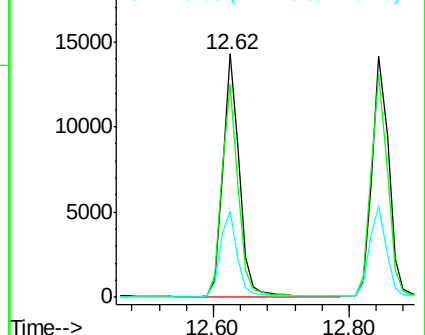
115 35.4 34.0 51.0



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: 14.81 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

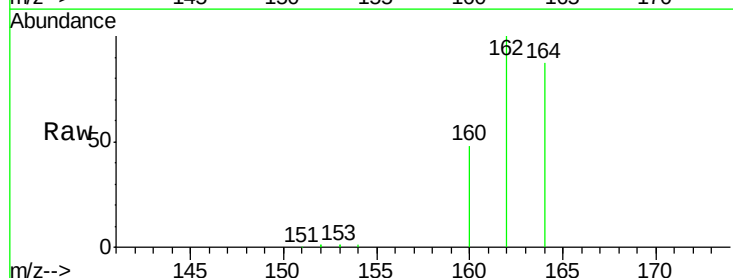
Tgt Ion:164 Resp: 32881

Ion Ratio Lower Upper

164 100

162 114.4 71.4 107.0#

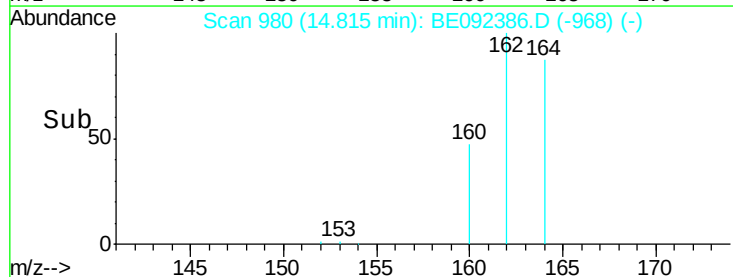
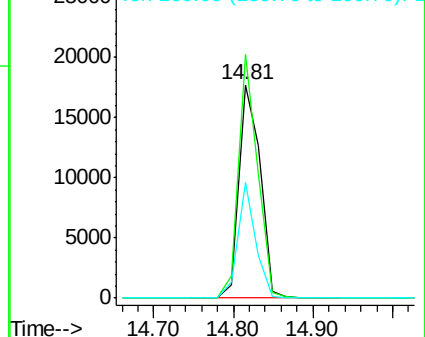
160 54.4 27.4 41.2#

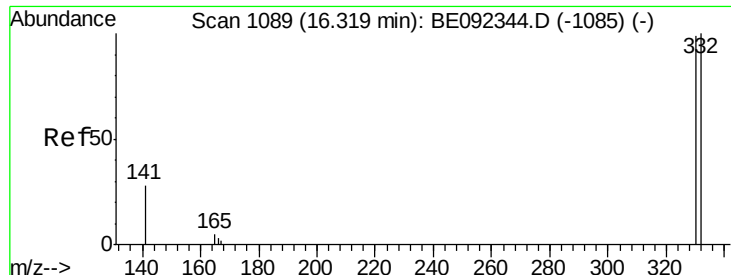


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

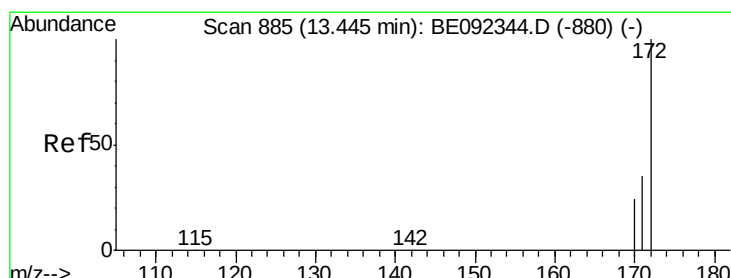
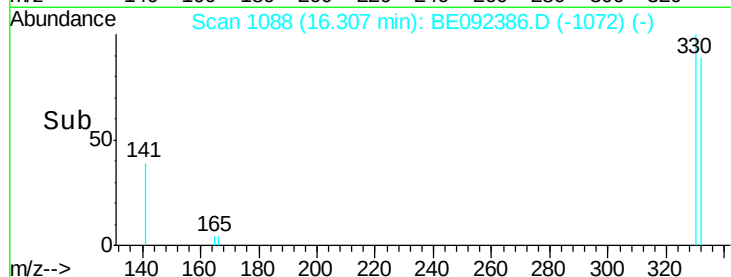
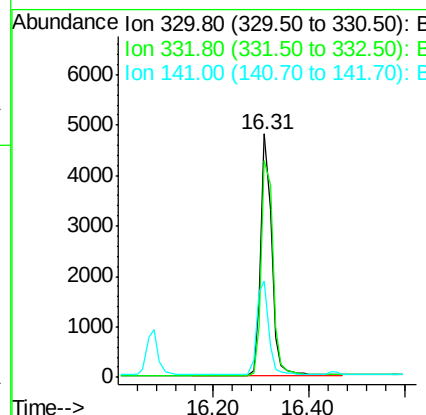
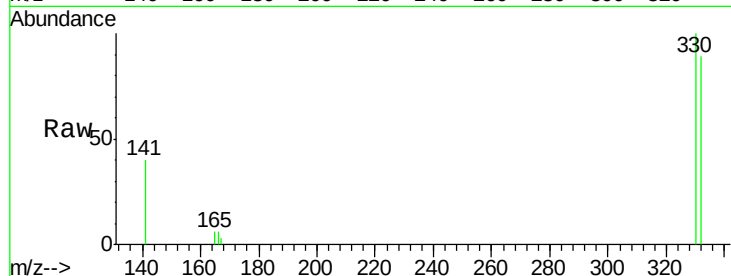




#13
 2,4,6-Tribromophenol
 Concen: 7.41 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BE092386.D
 Acq: 16 Sep 2016 10:54

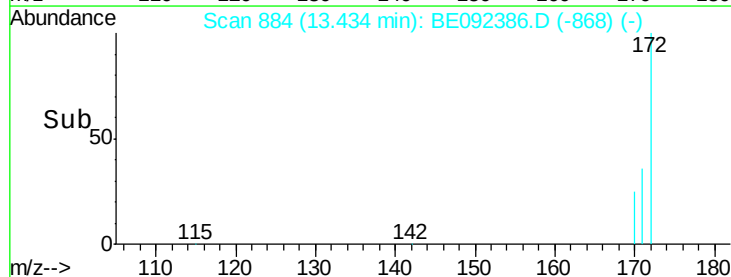
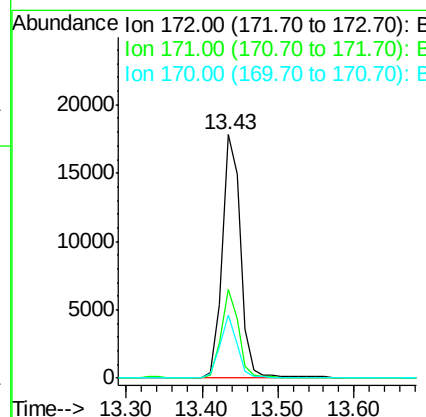
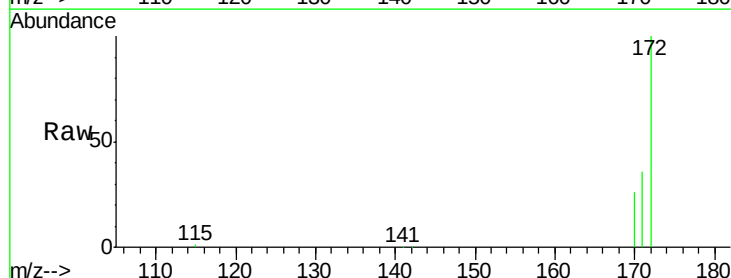
Instrument :
 BNA_E
 ClientSampleId :
 PB93386BS

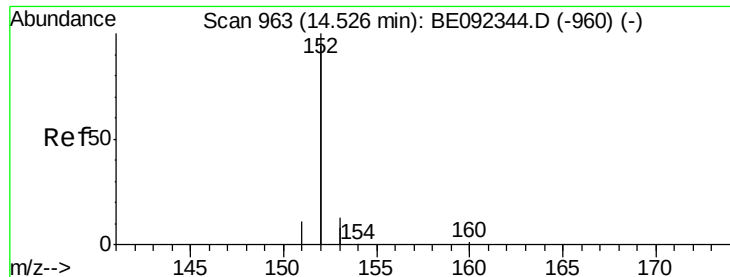
Tgt Ion:330 Resp: 7548
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.4 113.0
 141 42.3 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 2.98 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092386.D
 Acq: 16 Sep 2016 10:54

Tgt Ion:172 Resp: 30022
 Ion Ratio Lower Upper
 172 100
 171 36.4 30.1 45.1
 170 25.7 21.8 32.6





#15

Acenaphthylene

Concen: 2.88 ng

RT: 14.53 min Scan# 963

Delta R.T. -0.00 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

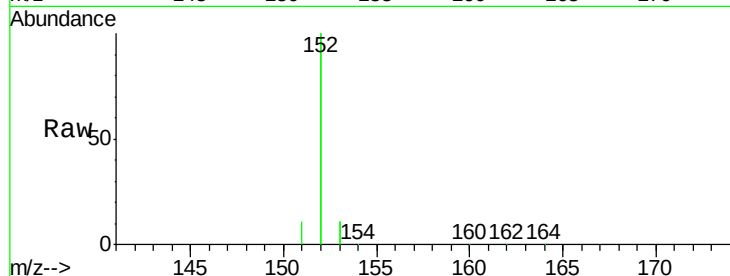
Tgt Ion:152 Resp: 163130

Ion Ratio Lower Upper

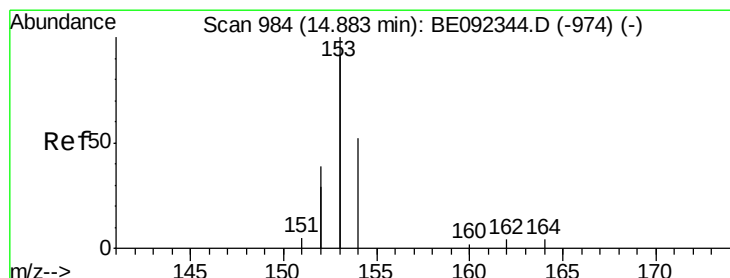
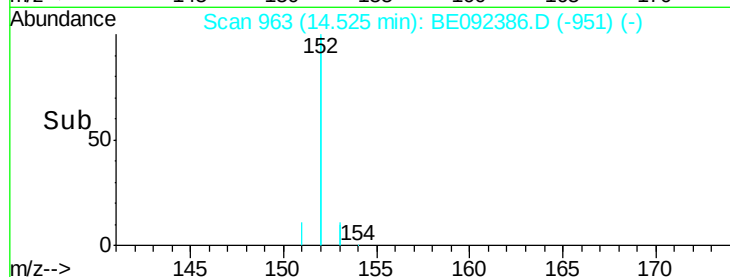
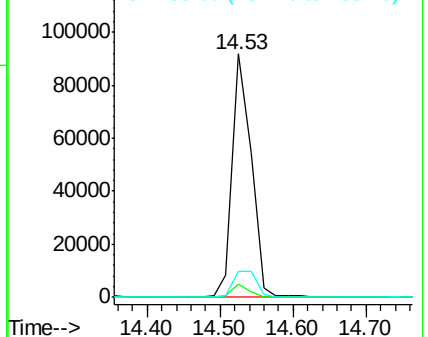
152 100

151 4.9 3.9 5.9

153 13.0 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: 2.69 ng

RT: 14.88 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

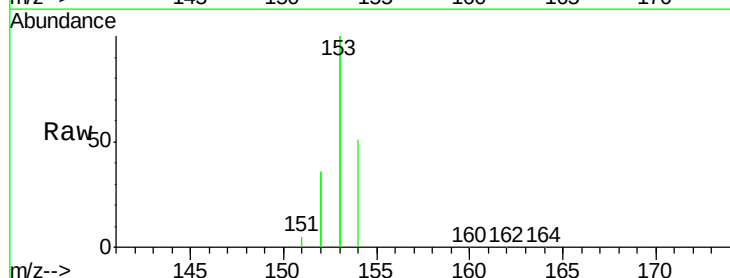
Tgt Ion:154 Resp: 24646

Ion Ratio Lower Upper

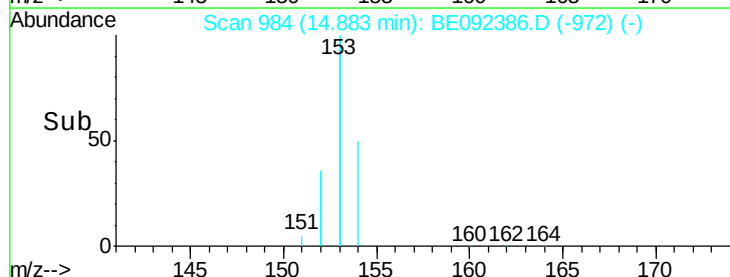
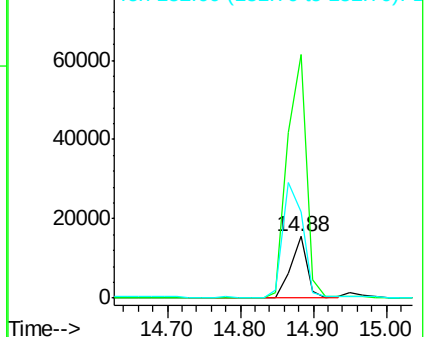
154 100

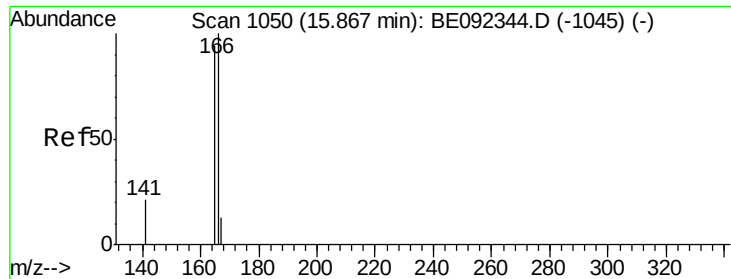
153 453.9 350.8 526.2

152 222.9 171.1 256.7



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

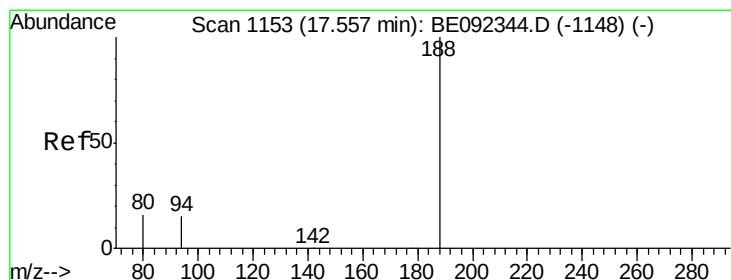
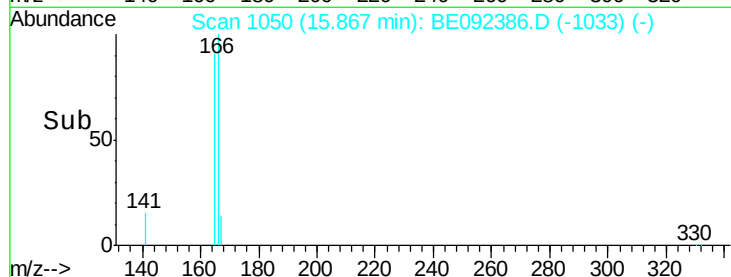
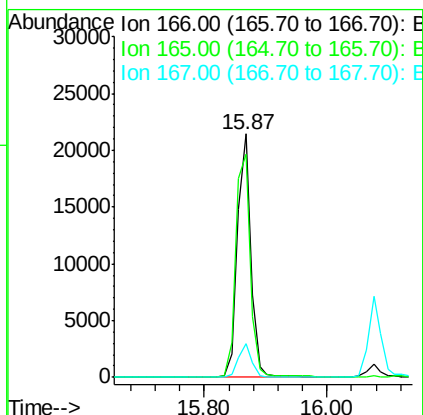
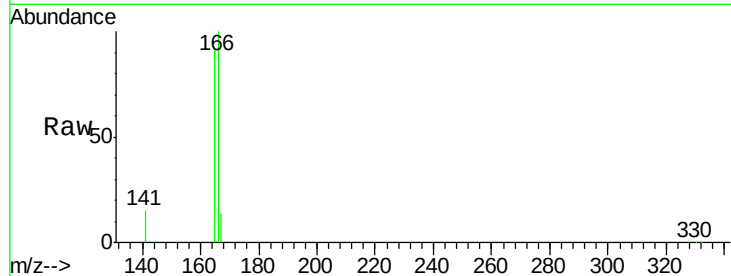




#17
Fluorene
 Concen: 2.83 ng
 RT: 15.87 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BE092386.D
 Acq: 16 Sep 2016 10:54

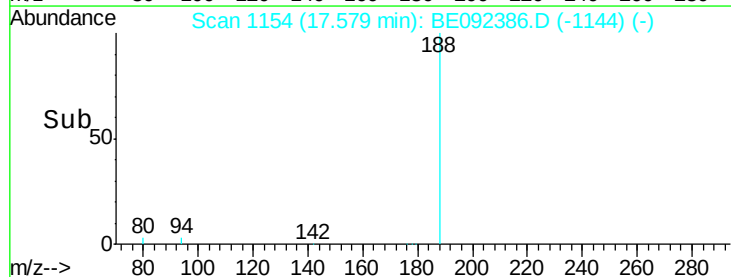
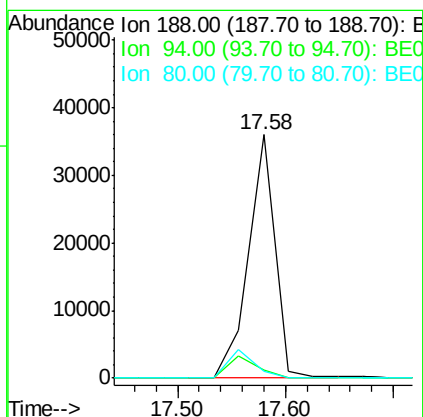
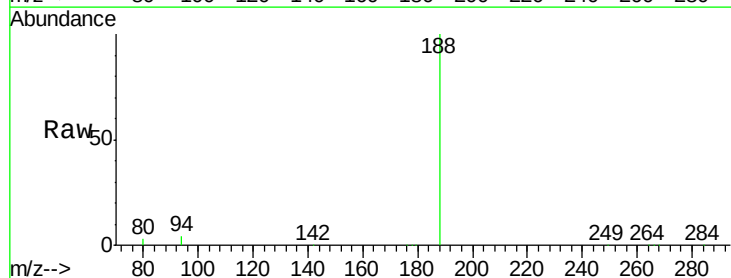
Instrument :
 BNA_E
 ClientSampleId :
 PB93386BS

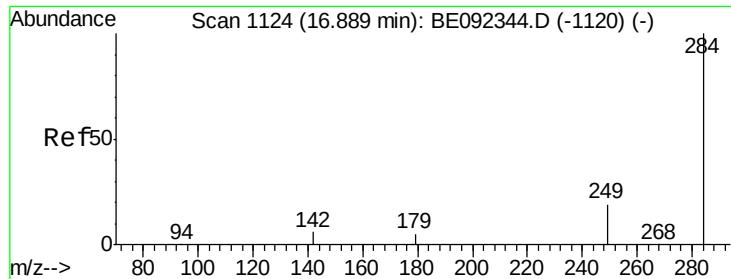
Tgt Ion:166 Resp: 32594
 Ion Ratio Lower Upper
 166 100
 165 99.6 78.2 117.4
 167 13.3 11.0 16.4



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.02 min
 Lab File: BE092386.D
 Acq: 16 Sep 2016 10:54

Tgt Ion:188 Resp: 61490
 Ion Ratio Lower Upper
 188 100
 94 3.6 3.2 4.8
 80 2.9 2.6 3.8

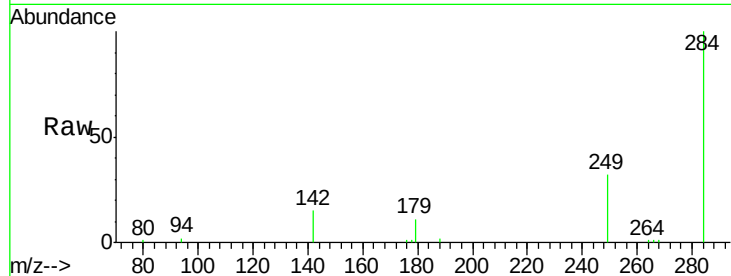




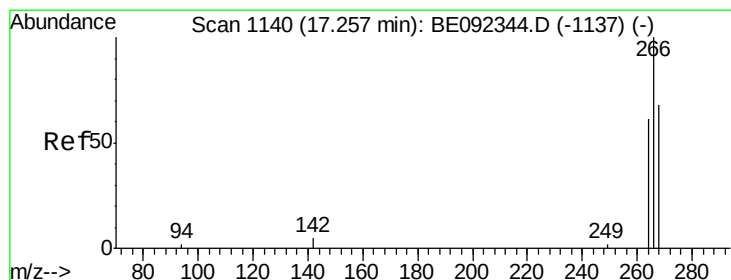
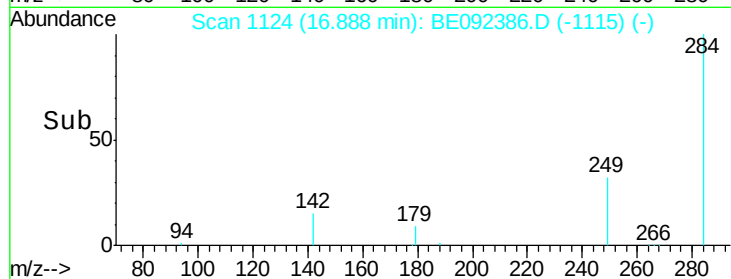
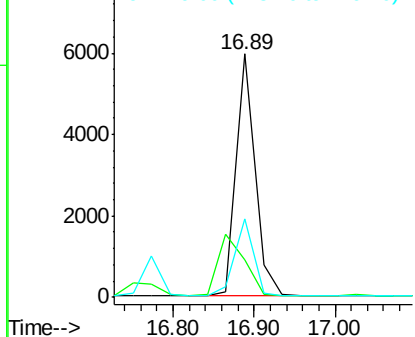
#19
Hexachlorobenzene
Concen: 3.19 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092386.D
Acq: 16 Sep 2016 10:54

Instrument :
BNA_E
ClientSampleId :
PB93386BS

Tgt Ion: 284 Resp: 9402
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 31.8 27.9 41.9

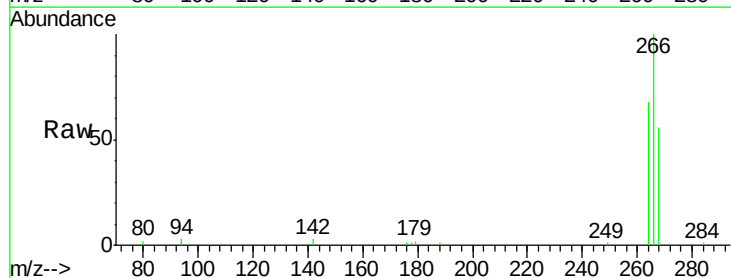


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

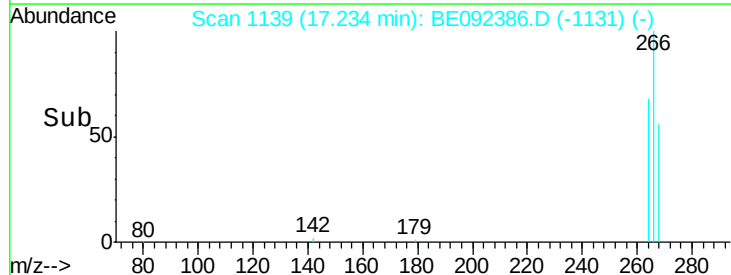
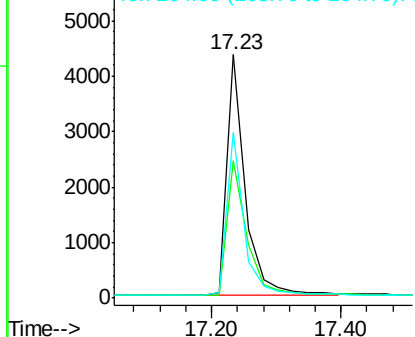


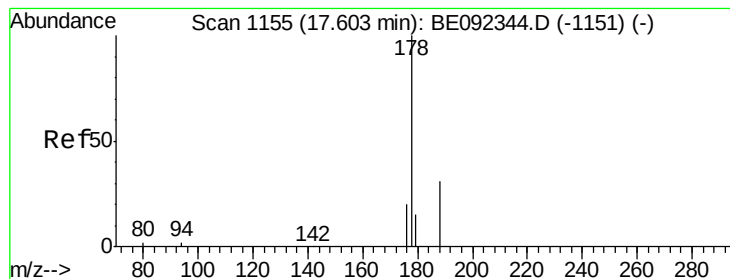
#20
Pentachlorophenol
Concen: 6.01 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092386.D
Acq: 16 Sep 2016 10:54

Tgt Ion: 266 Resp: 8604
Ion Ratio Lower Upper
266 100
268 56.5 62.5 93.7#
264 68.1 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: 2.93 ng

RT: 17.60 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

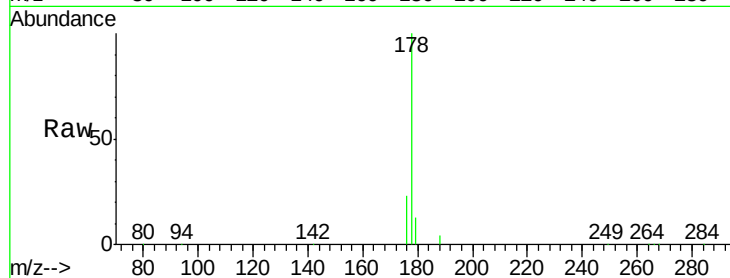
Tgt Ion:178 Resp: 50658

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

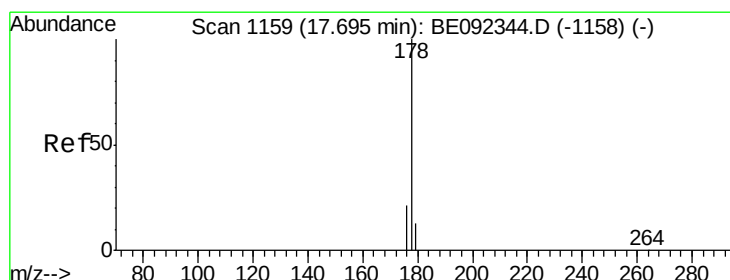
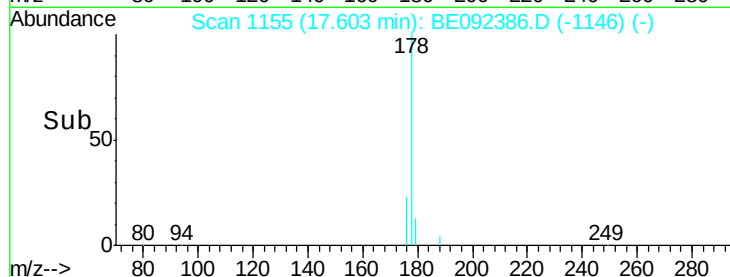
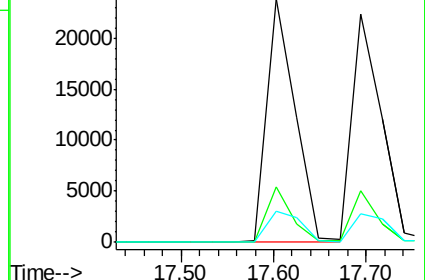
179 14.9 16.0 24.0#



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: 3.18 ng

RT: 17.69 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

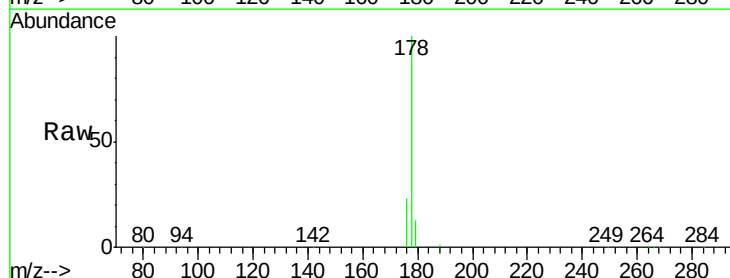
Tgt Ion:178 Resp: 48962

Ion Ratio Lower Upper

178 100

176 19.6 15.0 22.4

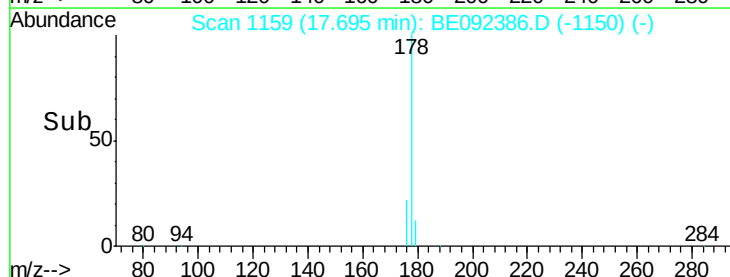
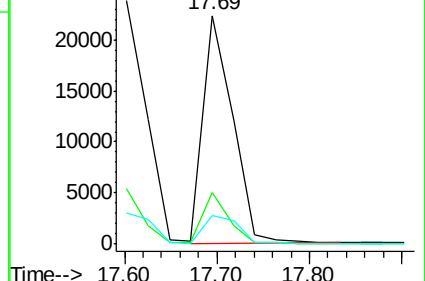
179 14.8 12.2 18.2

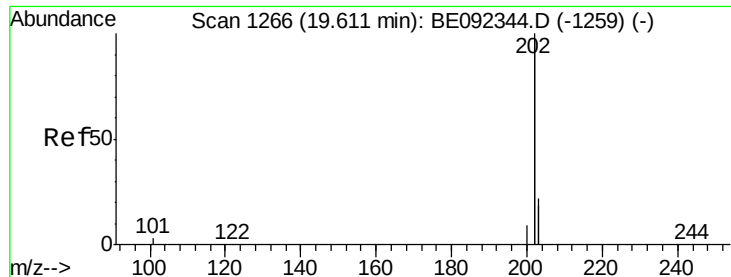


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 3.05 ng

RT: 19.61 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

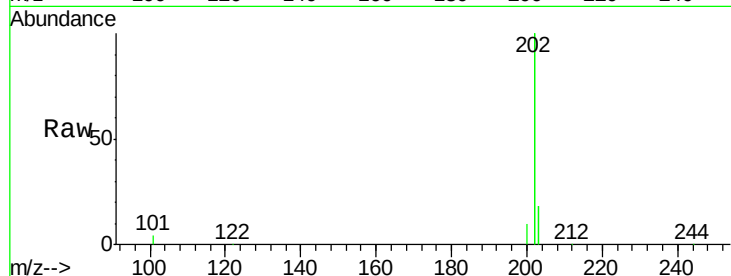
Tgt Ion:202 Resp: 230436

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

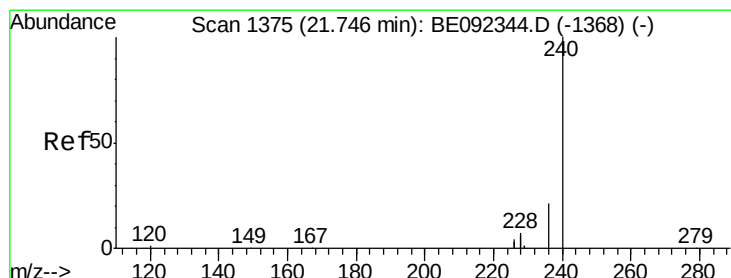
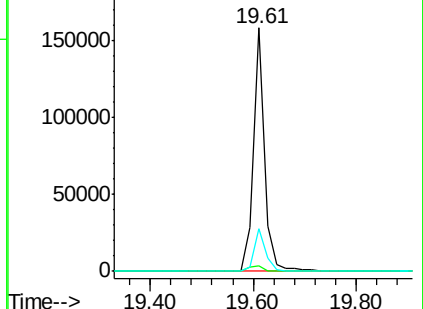
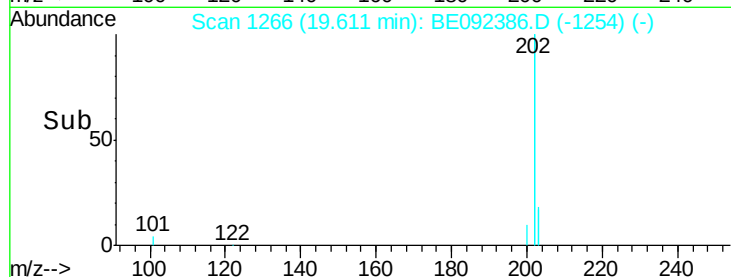
203 18.2 13.7 20.5



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: BE092386.D

Acq: 16 Sep 2016 10:54

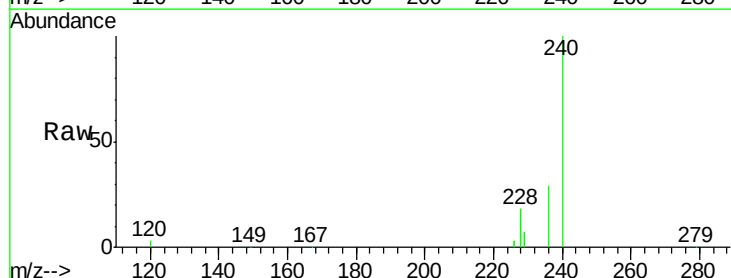
Tgt Ion:240 Resp: 80484

Ion Ratio Lower Upper

240 100

120 2.9 2.6 4.0

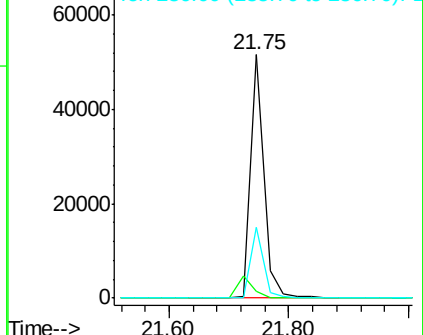
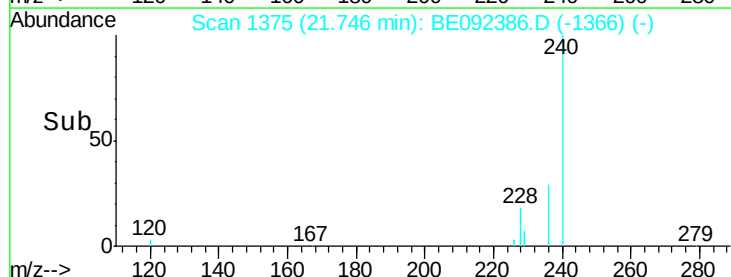
236 29.3 24.6 37.0

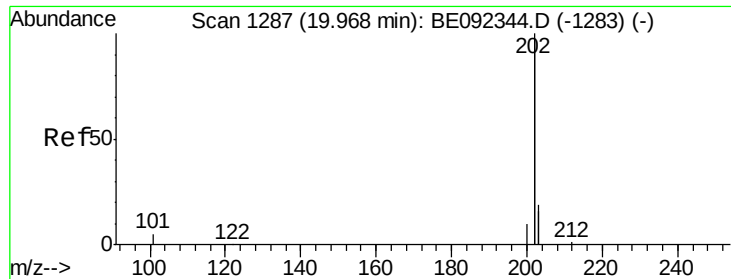


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

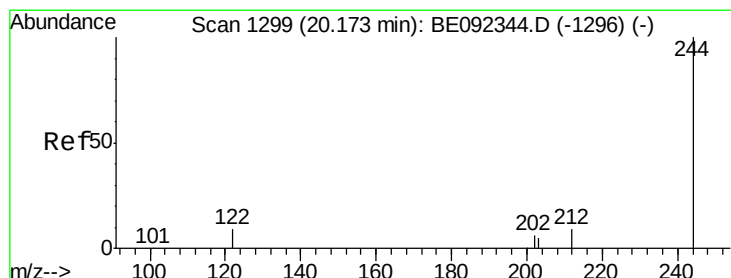
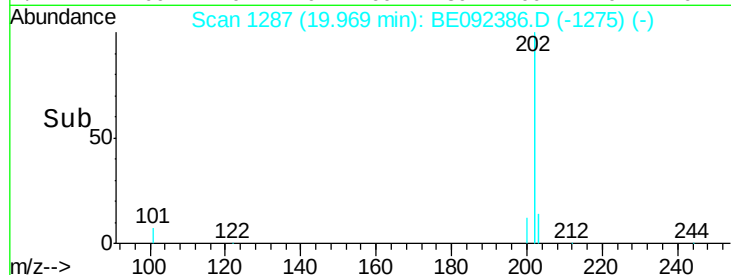
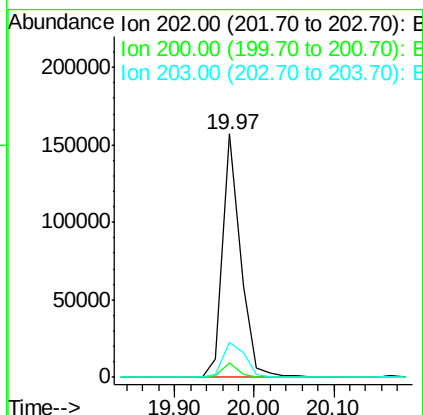
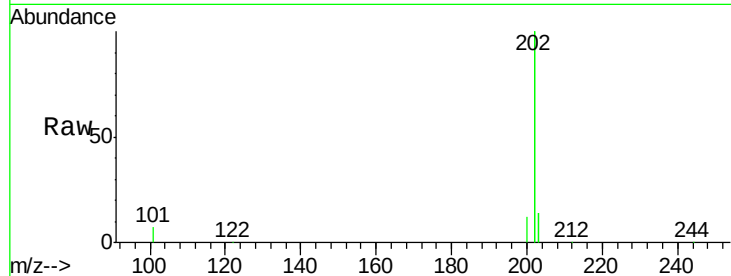




#25
 Pyrene
 Concen: 3.10 ng
 RT: 19.97 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BE092386.D
 Acq: 16 Sep 2016 10:54

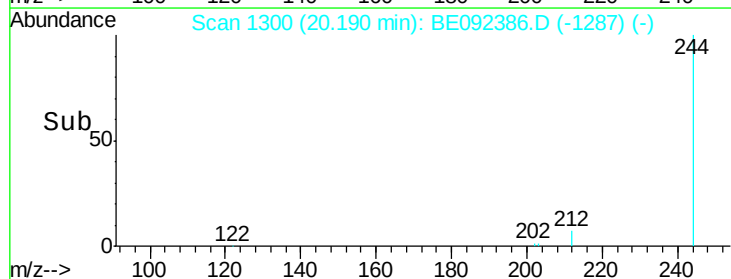
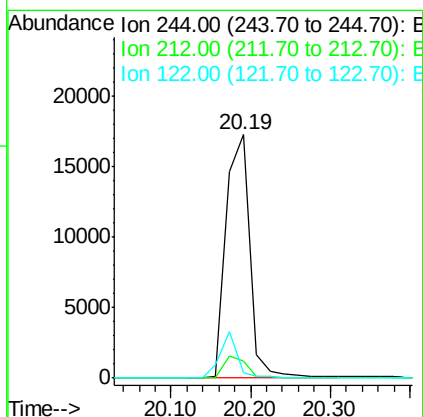
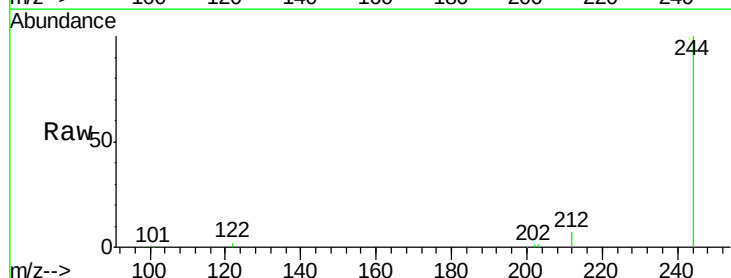
Instrument :
 BNA_E
 ClientSampleId :
 PB93386BS

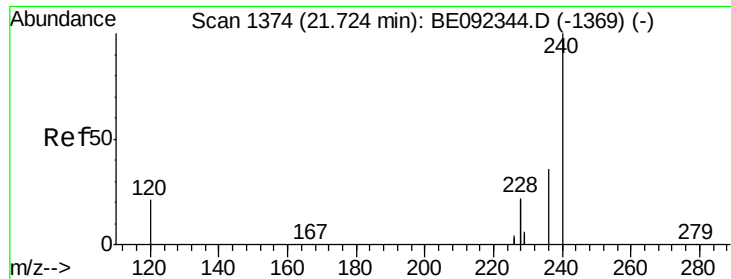
Tgt Ion: 202 Resp: 242747
 Ion Ratio Lower Upper
 202 100
 200 5.4 4.2 6.4
 203 17.5 13.9 20.9



#26
 Terphenyl-d14
 Concen: 2.98 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.02 min
 Lab File: BE092386.D
 Acq: 16 Sep 2016 10:54

Tgt Ion: 244 Resp: 35460
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.7 10.1
 122 2.3 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 5.92 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

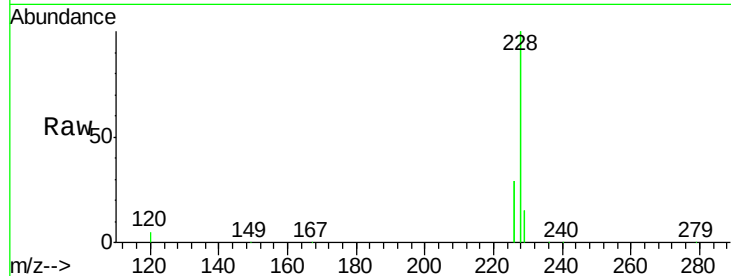
Tgt Ion:228 Resp: 514338

Ion Ratio Lower Upper

228 100

226 28.6 23.6 35.4

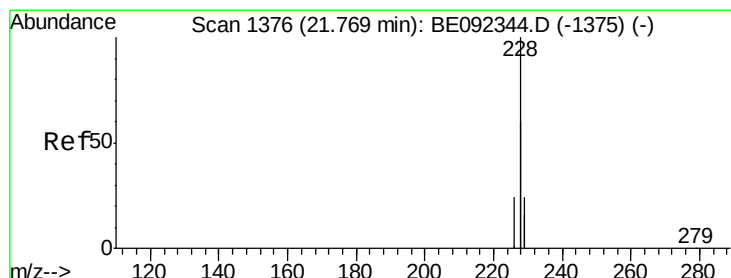
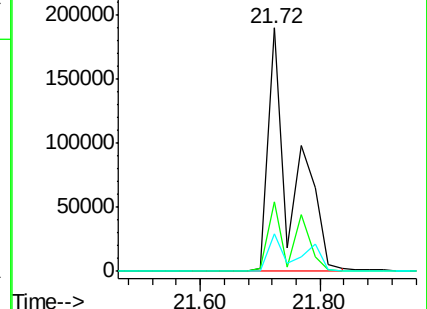
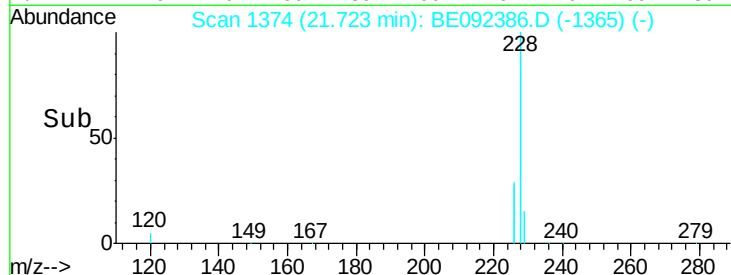
229 15.5 13.3 19.9



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: 6.48 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.04 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

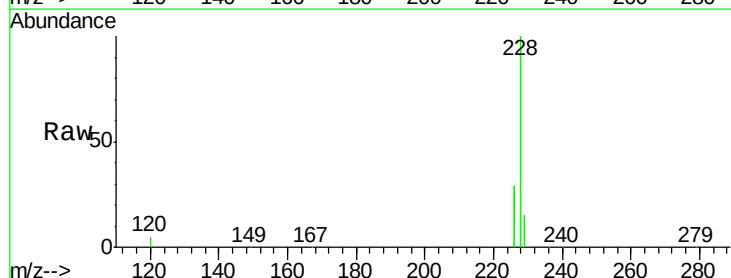
Tgt Ion:228 Resp: 517319

Ion Ratio Lower Upper

228 100

226 28.6 36.3 54.5#

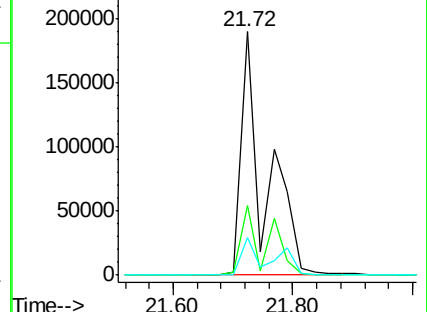
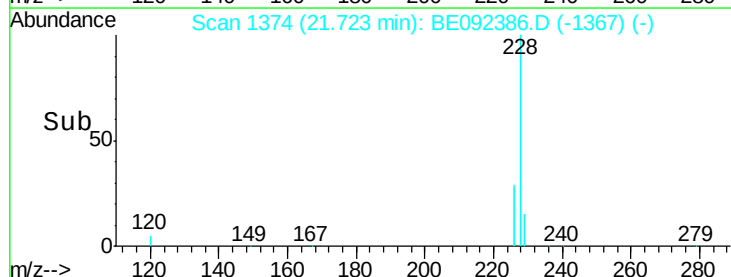
229 15.5 10.6 16.0

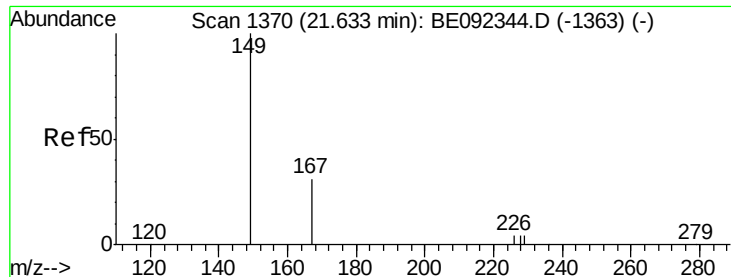


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 1.87 ng

RT: 21.63 min Scan# 1370

Delta R.T. -0.00 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

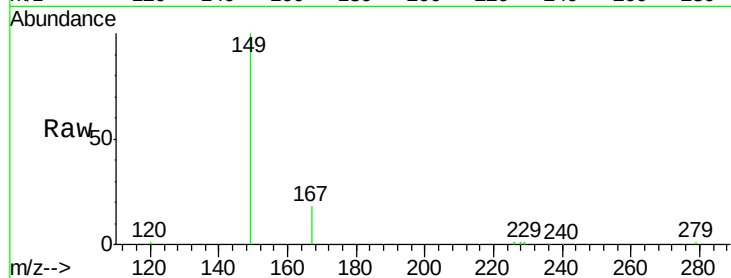
Tgt Ion:149 Resp: 25045

Ion Ratio Lower Upper

149 100

167 0.0 16.0 24.0#

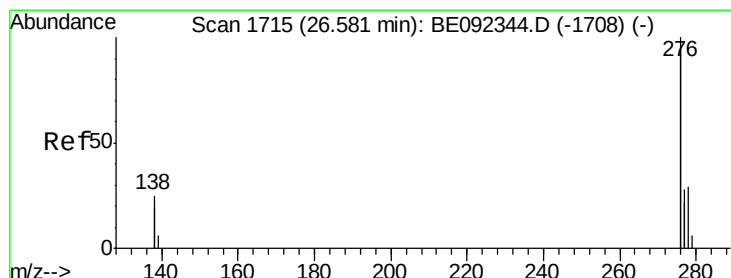
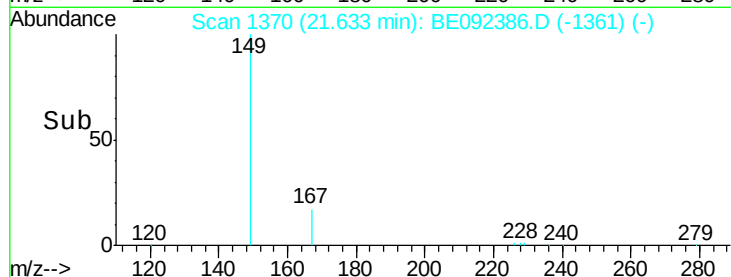
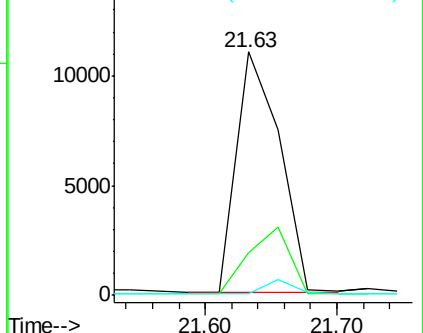
279 0.0 16.0 24.0#



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: 3.55 ng

RT: 26.62 min Scan# 1717

Delta R.T. 0.03 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

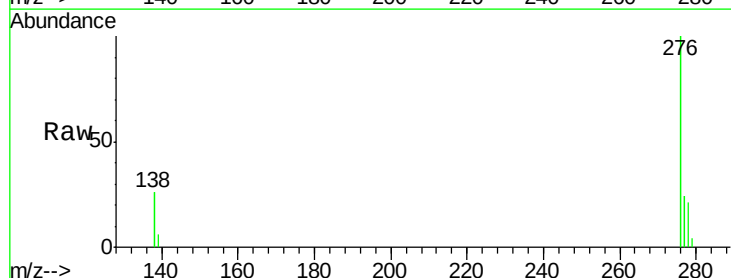
Tgt Ion:276 Resp: 325071

Ion Ratio Lower Upper

276 100

138 26.7 20.3 30.5

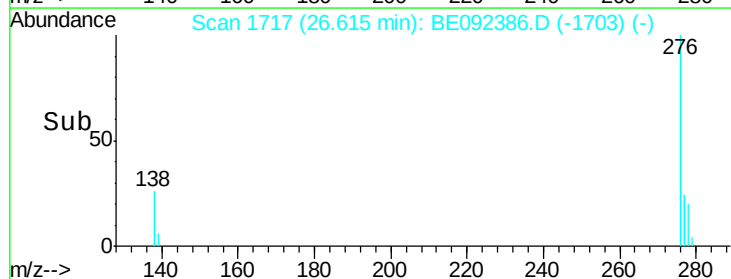
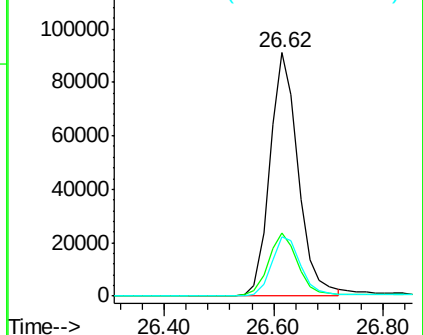
277 24.9 19.7 29.5

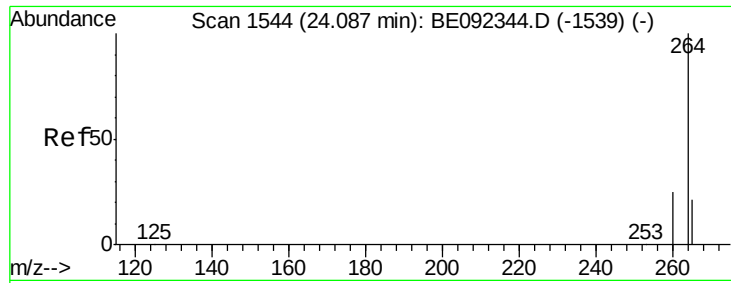


Abundance Ion 276.00 (275.70 to 276.70): E

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: 24.12 min Scan# 1547

Delta R.T. 0.04 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

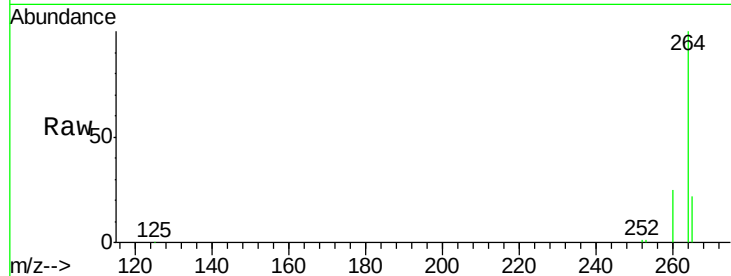
Tgt Ion:264 Resp: 77419

Ion Ratio Lower Upper

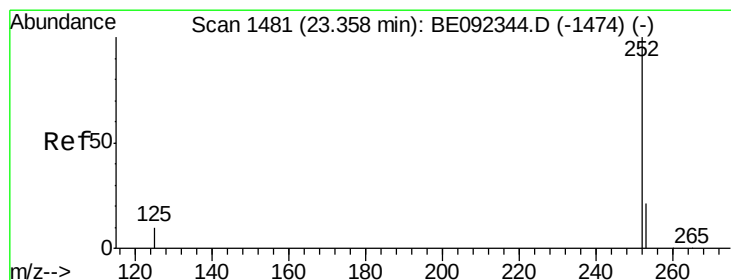
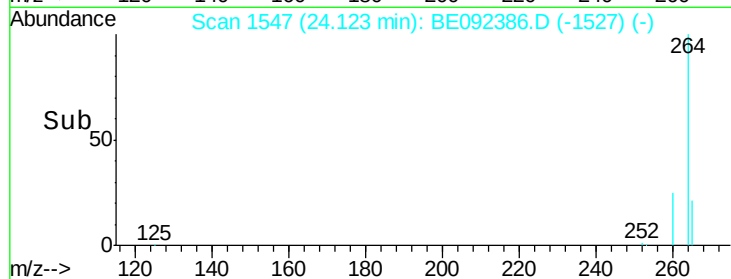
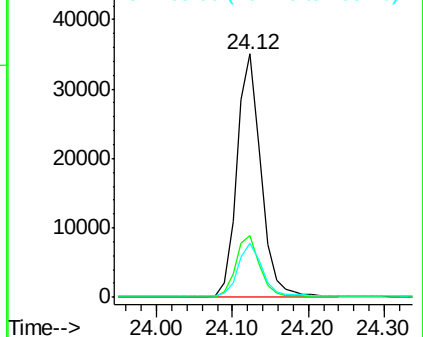
264 100

260 25.3 20.1 30.1

265 22.2 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#32

Benzo(b)fluoranthene

Concen: 3.42 ng

RT: 23.38 min Scan# 1483

Delta R.T. 0.03 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

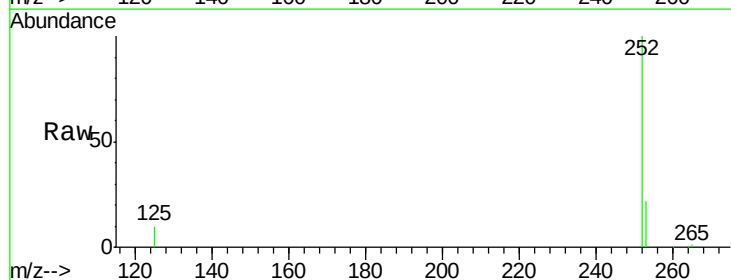
Tgt Ion:252 Resp: 68049

Ion Ratio Lower Upper

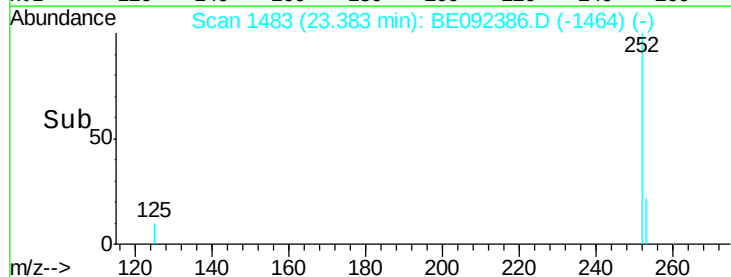
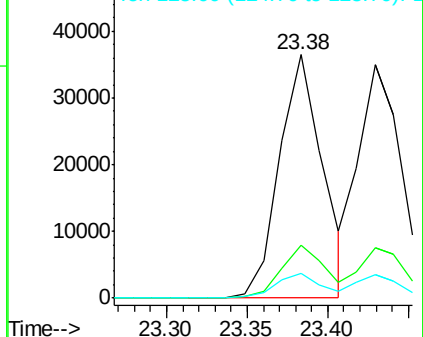
252 100

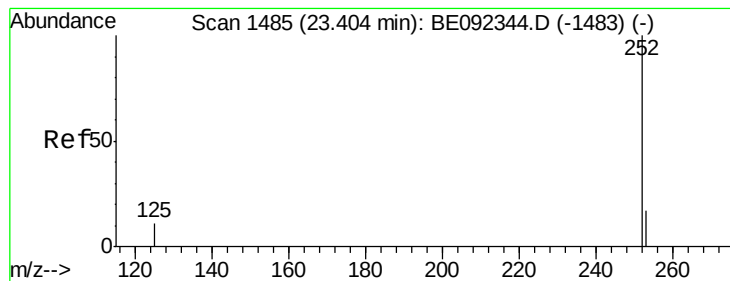
253 21.8 18.7 28.1

125 10.1 10.5 15.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#33

Benzo(k)fluoranthene

Concen: 3.21 ng

RT: 23.43 min Scan# 1487

Delta R.T. 0.03 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

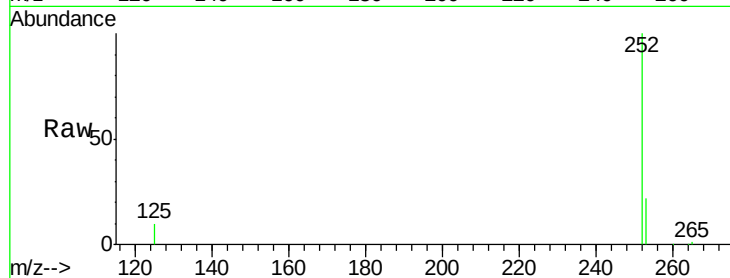
Tgt Ion:252 Resp: 67364

Ion Ratio Lower Upper

252 100

253 21.6 20.3 30.5

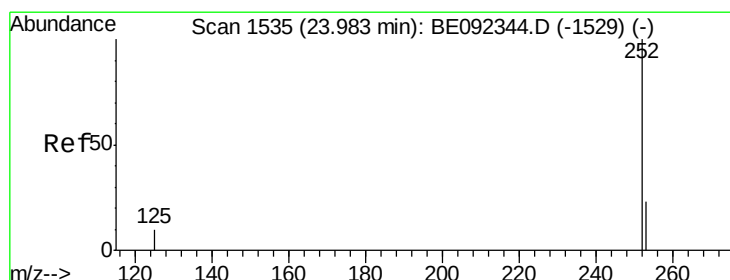
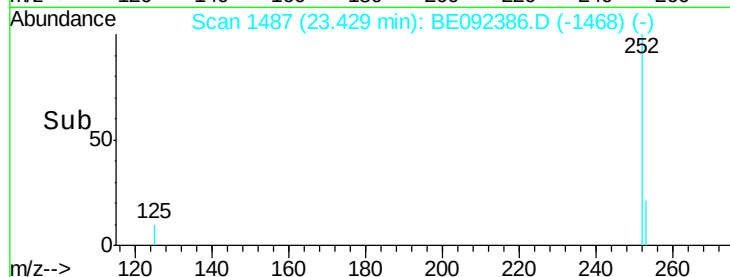
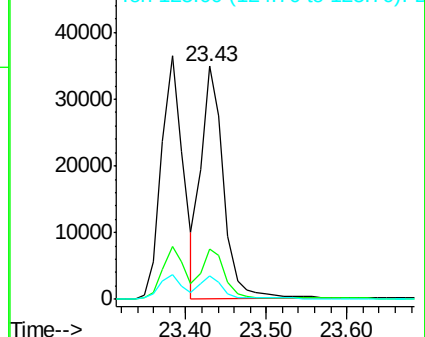
125 10.3 9.6 14.4



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: 3.48 ng

RT: 24.01 min Scan# 1537

Delta R.T. 0.03 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

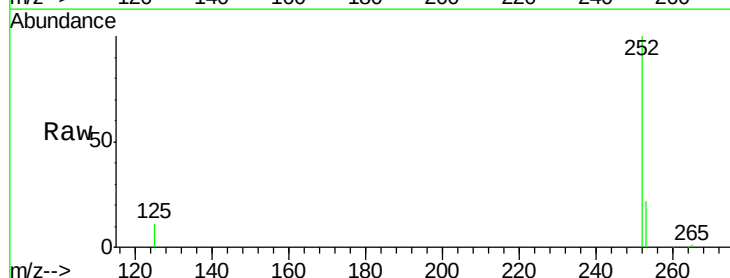
Tgt Ion:252 Resp: 68113

Ion Ratio Lower Upper

252 100

253 22.2 19.0 28.6

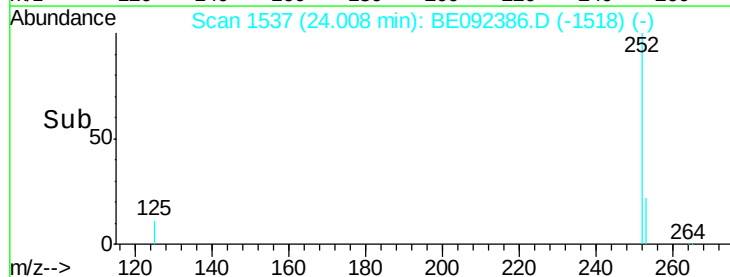
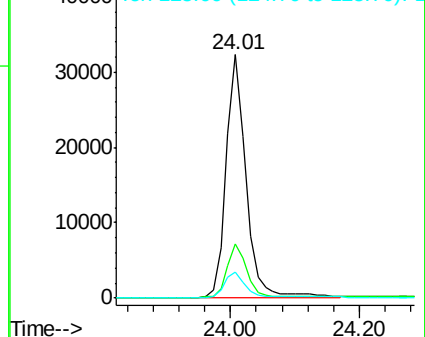
125 10.9 11.8 17.8#

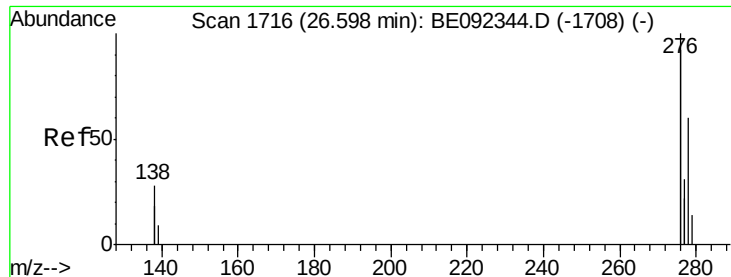


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 3.78 ng

RT: 26.63 min Scan# 1718

Delta R.T. 0.03 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

Instrument :

BNA_E

ClientSampleId :

PB93386BS

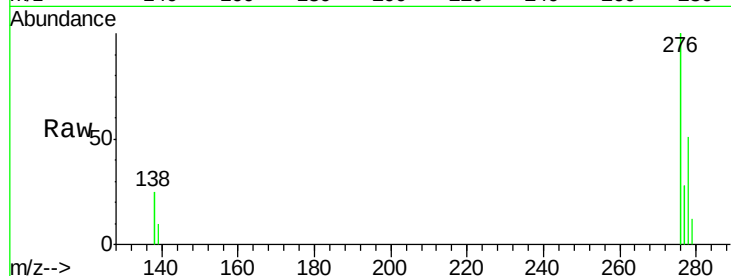
Tgt Ion: 278 Resp: 68569

Ion Ratio Lower Upper

278 100

139 18.8 13.8 20.8

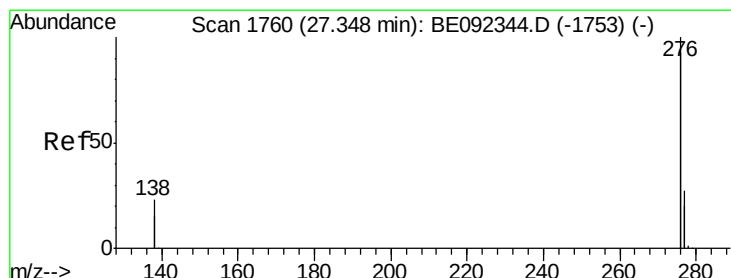
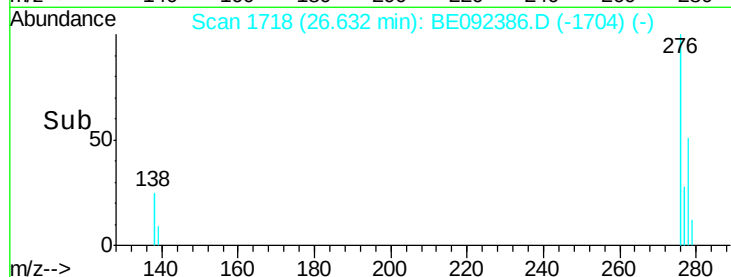
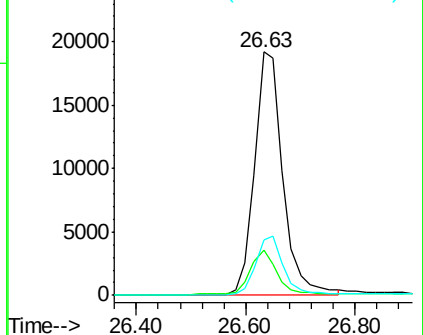
279 23.0 21.4 32.2



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: 3.72 ng

RT: 27.38 min Scan# 1762

Delta R.T. 0.03 min

Lab File: BE092386.D

Acq: 16 Sep 2016 10:54

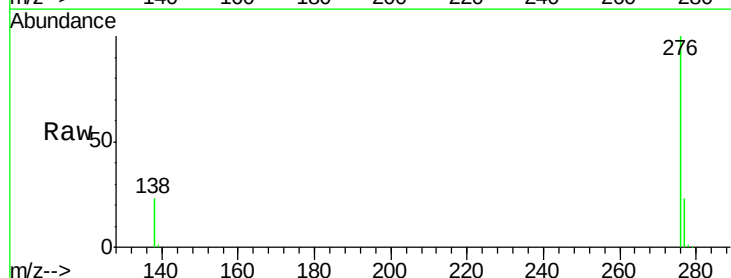
Tgt Ion: 276 Resp: 284157

Ion Ratio Lower Upper

276 100

277 22.8 19.8 29.8

138 23.4 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

