

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092216\
 Data File : BE092400.D
 Acq On : 22 Sep 2016 17:49
 Operator : UM/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 22 18:38:56 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	8279	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	41048	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	32772	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	69869	5.00	ng	0.02
24) Chrysene-d12	21.75	240	88579	5.00	ng	0.00
31) Perylene-d12	24.12	264	77062	5.00	ng	0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	552	0.39	ng	0.00
5) Phenol-d6	7.36	99	694	0.33	ng	0.00
8) Nitrobenzene-d5	9.36	82	778	0.40	ng	0.00
13) 2,4,6-Tribromophenol	16.33	330	298	0.41	ng	0.01
14) 2-Fluorobiphenyl	13.46	172	2901	0.37	ng	0.01
26) Terphenyl-d14	20.19	244	4129	0.38	ng	0.02

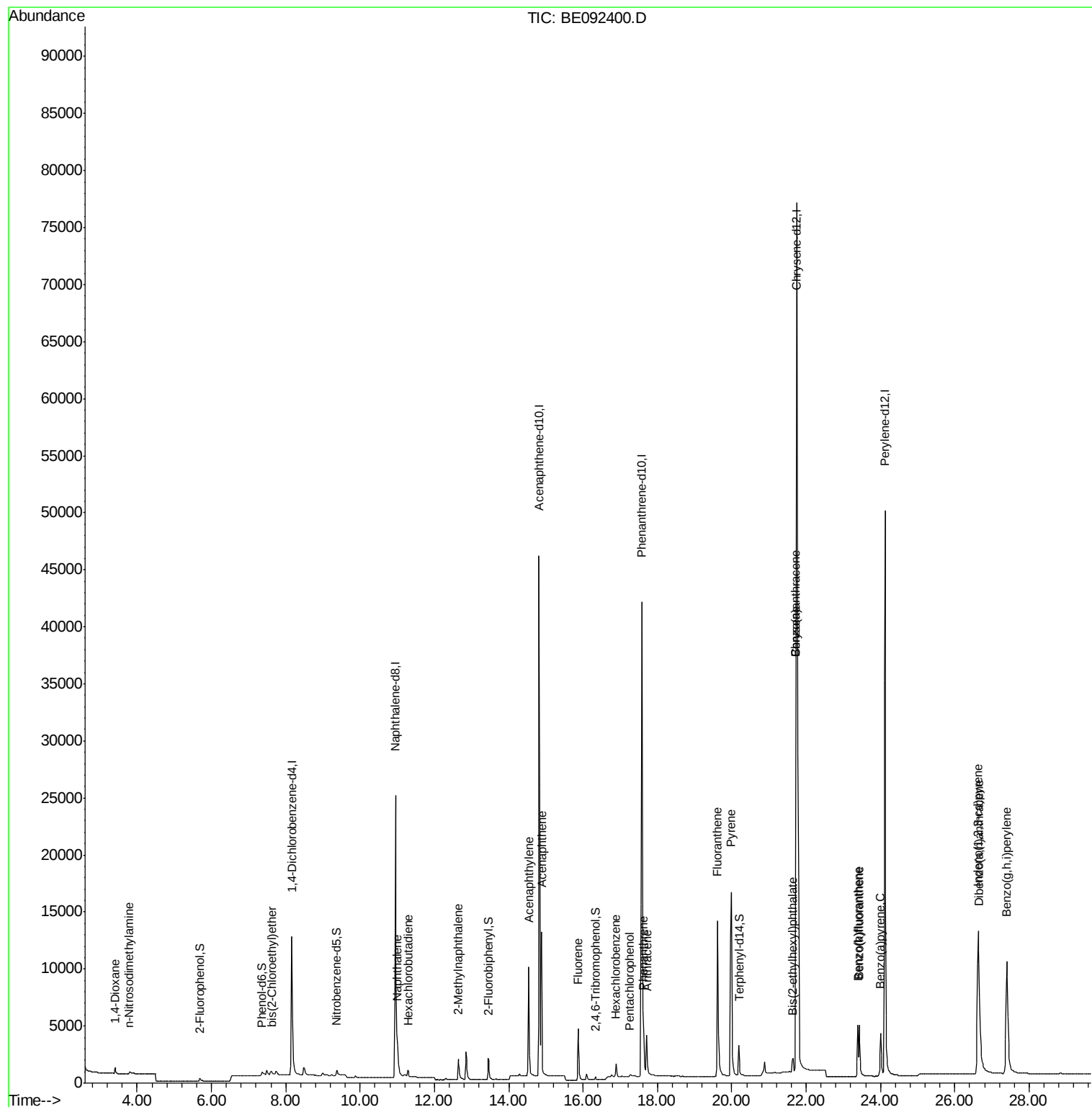
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	402	0.35	ng	97
3) n-Nitrosodimethylamine	3.79	42	339	0.44	ng	# 98
6) bis(2-Chloroethyl)ether	7.61	93	556	0.34	ng	# 25
9) Naphthalene	11.01	128	3653	0.41	ng	99
10) Hexachlorobutadiene	11.30	225	562	0.40	ng	99
11) 2-Methylnaphthalene	12.65	142	2352	0.40	ng	94
15) Acenaphthylene	14.54	152	18038	0.38	ng	100
16) Acenaphthene	14.88	154	3031	0.41	ng	96
17) Fluorene	15.87	166	3608	0.38	ng	99
19) Hexachlorobenzene	16.89	284	1099	0.37	ng	99
20) Pentachlorophenol	17.26	266	227	0.38	ng	95
21) Phenanthrene	17.63	178	6051	0.38	ng	# 74
22) Anthracene	17.72	178	5576	0.36	ng	100
23) Fluoranthene	19.61	202	28242	0.37	ng	100
25) Pyrene	19.99	202	29106	0.38	ng	100
27) Benzo(a)anthracene	21.72	228	62697	0.73	ng	100
28) Chrysene	21.72	228	63377	0.80	ng	# 80
29) Bis(2-ethylhexyl)phthalate	21.63	149	2391	0.32	ng	# 56
30) Indeno(1,2,3-cd)pyrene	26.63	276	30570	0.36	ng	99
32) Benzo(b)fluoranthene	23.39	252	7447	0.40	ng	97
33) Benzo(k)fluoranthene	23.44	252	7272	0.37	ng	99
34) Benzo(a)pyrene	24.01	252	6928	0.38	ng	99
35) Dibenzo(a,h)anthracene	26.65	278	6296	0.38	ng	97
36) Benzo(g,h,i)perylene	27.40	276	27902	0.39	ng	99

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

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QLast Update : Thu Sep 22 18:25:56 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampleId :

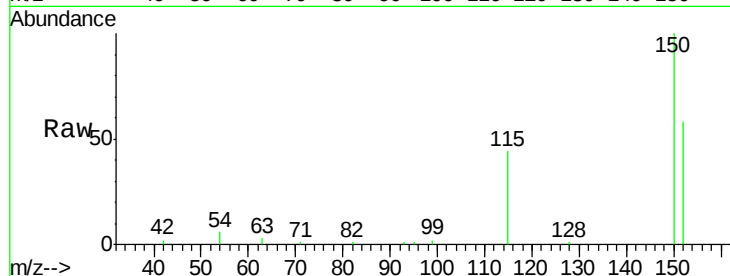
Tot Ion:152 Resp: 8279

Ion Ratio Lower Upper

152 100

150 173.1 106.0 159.0#

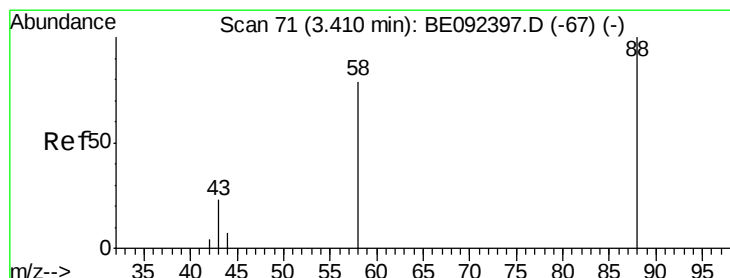
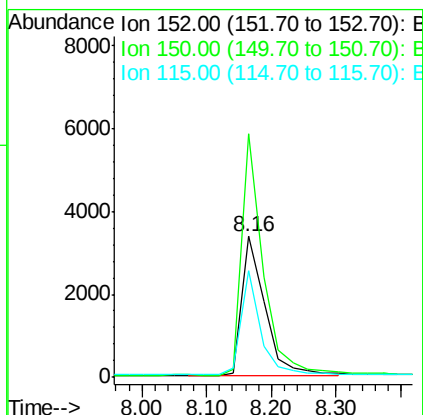
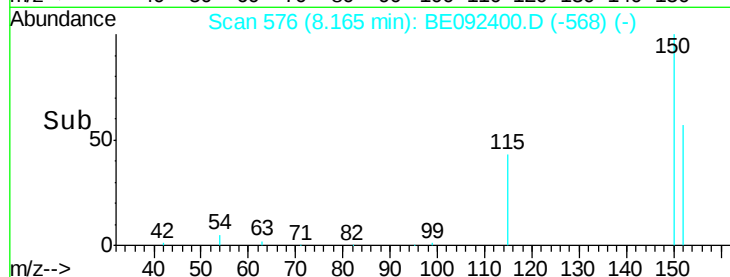
115 76.2 31.2 46.8#



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: 0.35 ng

RT: 3.41 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

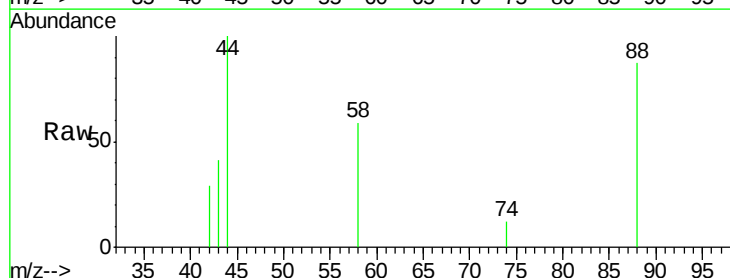
Tgt Ion: 88 Resp: 402

Ion Ratio Lower Upper

88 100

58 80.3 63.6 95.4

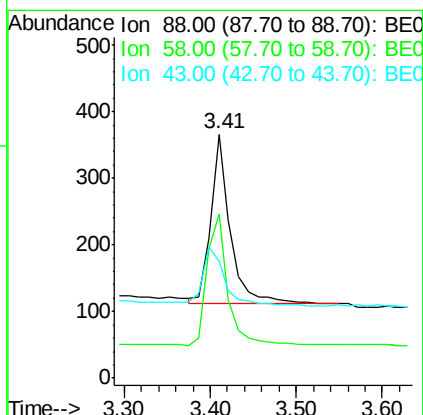
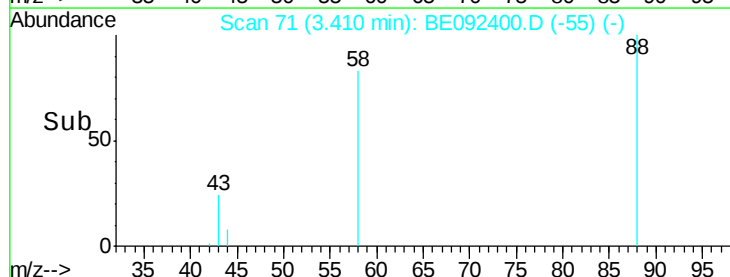
43 39.3 28.0 42.0

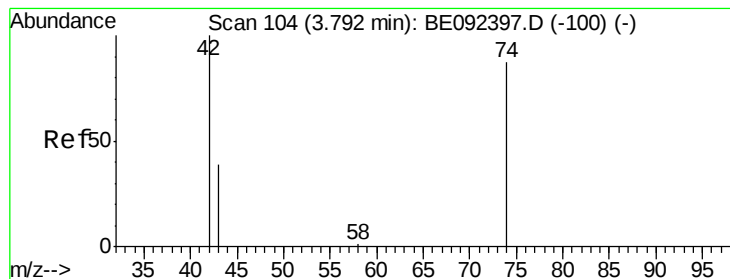


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.44 ng

RT: 3.79 min Scan# 104

Delta R.T. -0.01 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampleId :

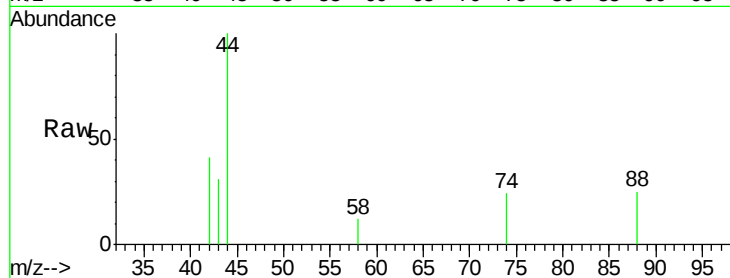
Tot Ion: 42 Resp: 339

Ion Ratio Lower Upper

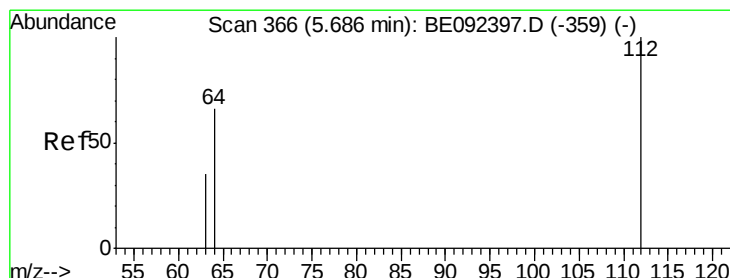
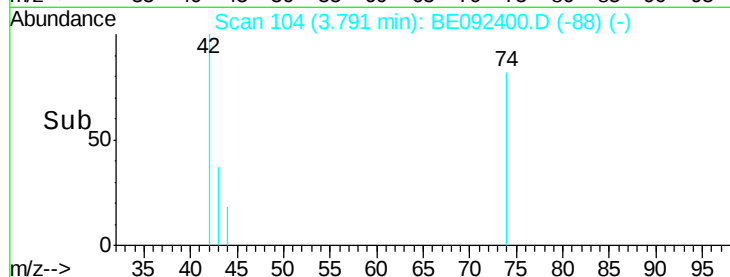
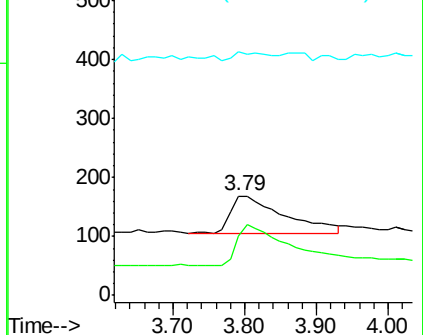
42 100

74 108.6 86.0 129.0

44 13.0 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: 0.39 ng

RT: 5.69 min Scan# 366

Delta R.T. 0.00 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

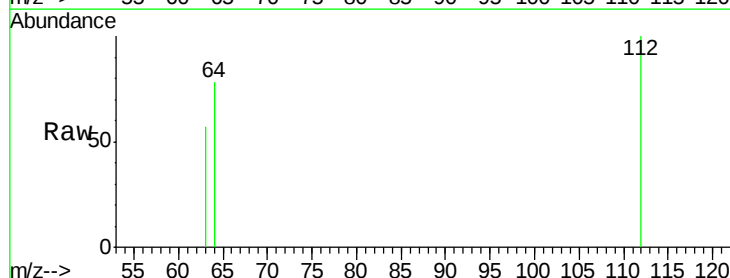
Tgt Ion: 112 Resp: 552

Ion Ratio Lower Upper

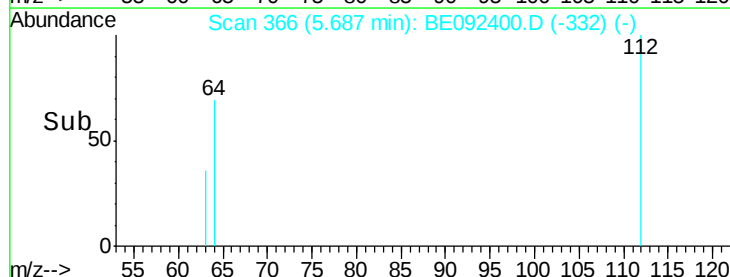
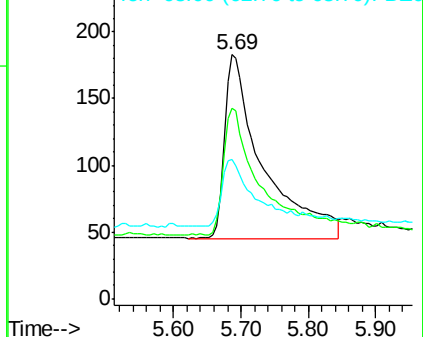
112 100

64 67.4 53.5 80.3

63 31.0 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: 0.33 ng

RT: 7.36 min Scan# 541

Delta R.T. 0.00 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampled :

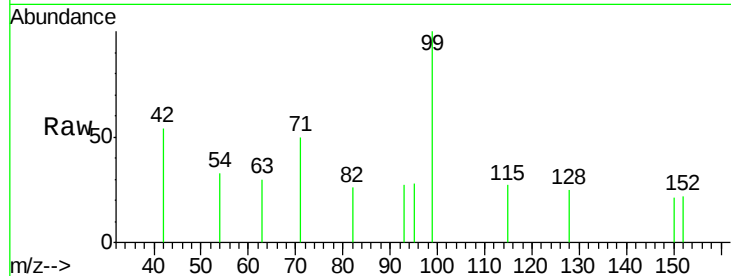
Tot Ion: 99 Resp: 694

Ion Ratio Lower Upper

99 100

42 28.7 16.0 24.0#

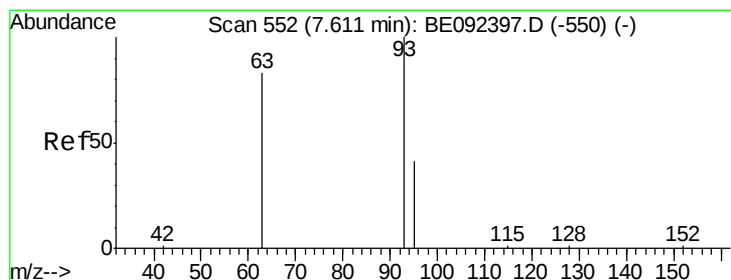
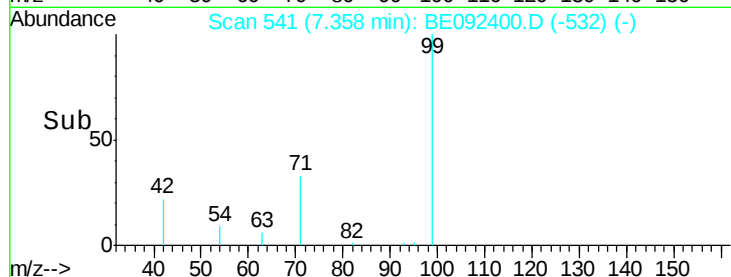
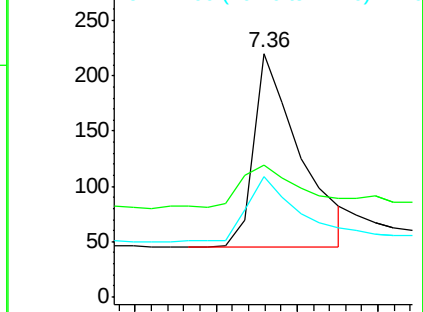
71 36.9 30.6 45.8



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: 0.34 ng

RT: 7.61 min Scan# 552

Delta R.T. 0.00 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

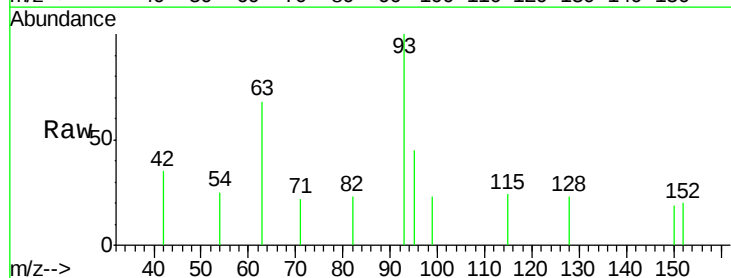
Tgt Ion: 93 Resp: 556

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

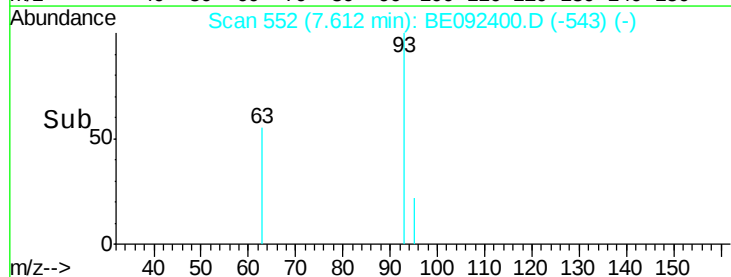
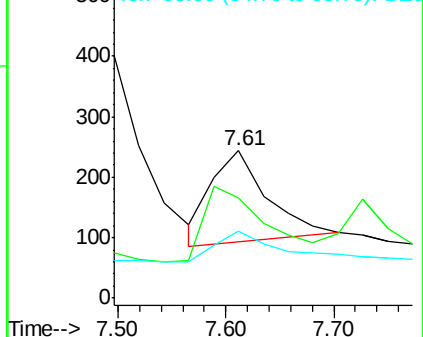
95 37.2 24.0 36.0#

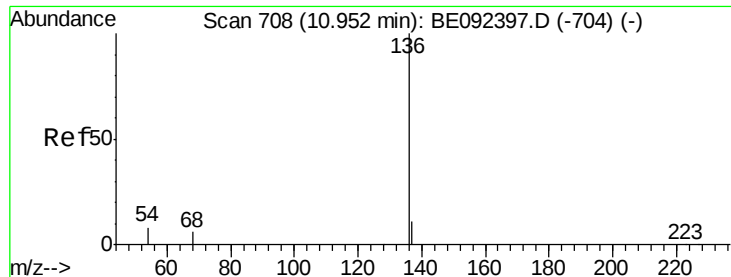


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 41048

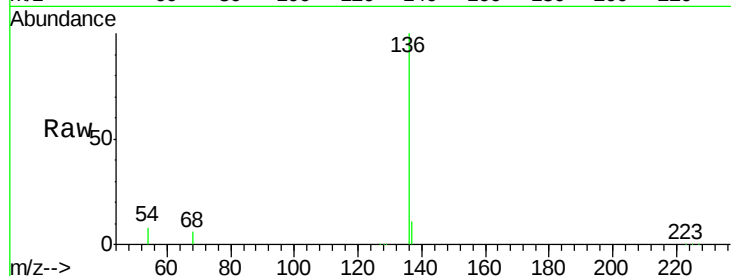
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.4

54 8.0 9.6 14.4#

68 6.1 6.7 10.1#

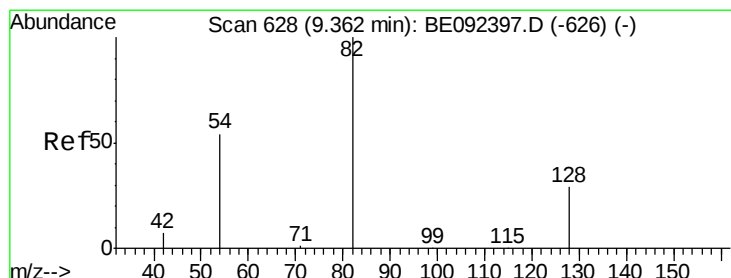
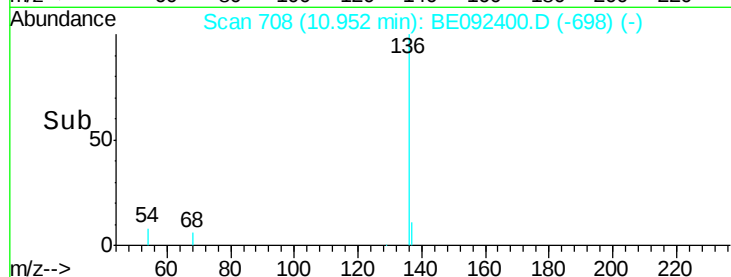
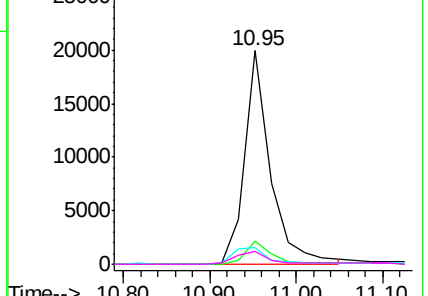


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.40 ng

RT: 9.36 min Scan# 628

Delta R.T. 0.00 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

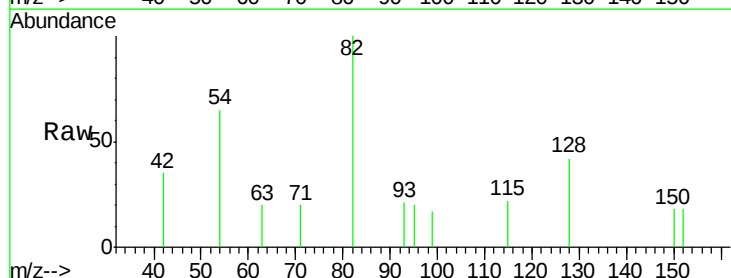
Tgt Ion: 82 Resp: 778

Ion Ratio Lower Upper

82 100

128 41.8 39.0 58.4

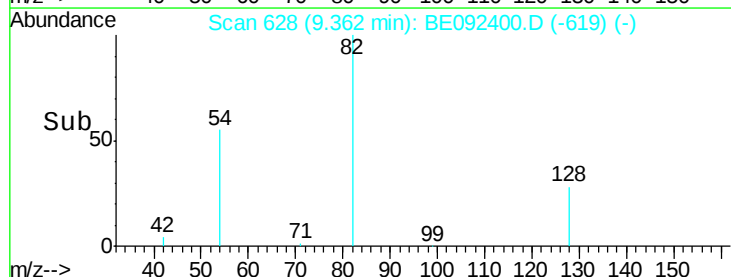
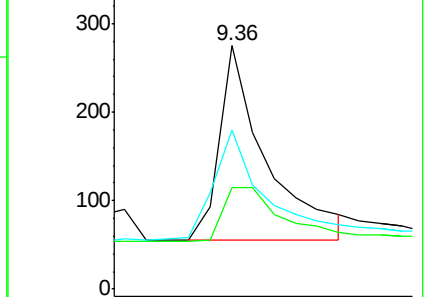
54 65.5 44.8 67.2

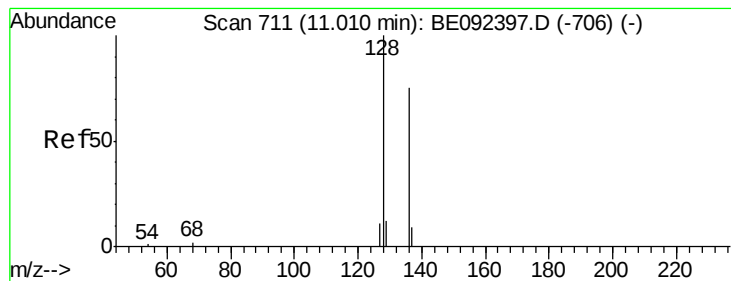


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.41 ng

RT: 11.01 min Scan# 711

Delta R.T. 0.00 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampleId :

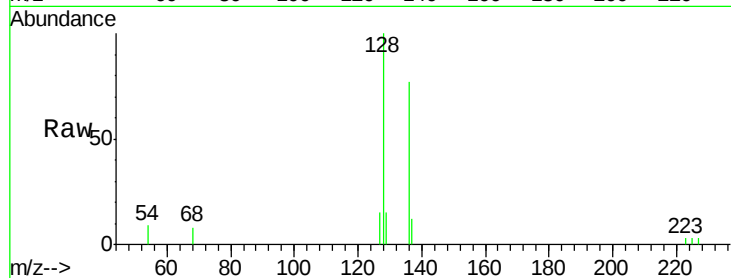
Tot Ion:128 Resp: 3653

Ion Ratio Lower Upper

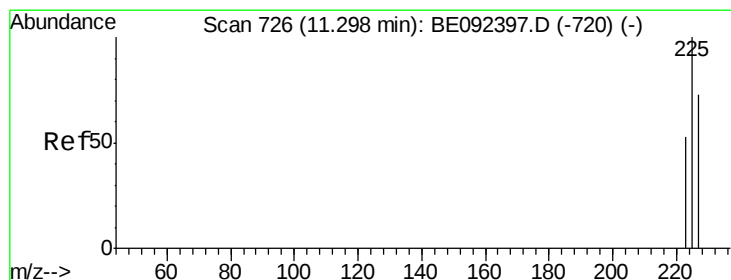
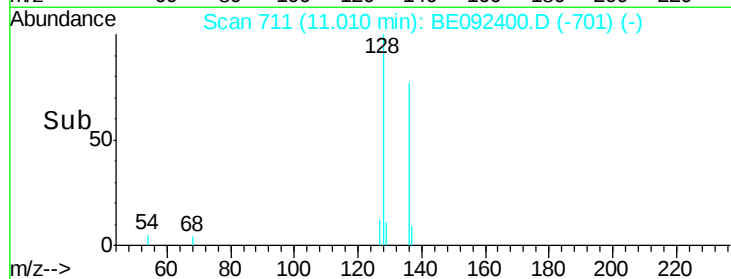
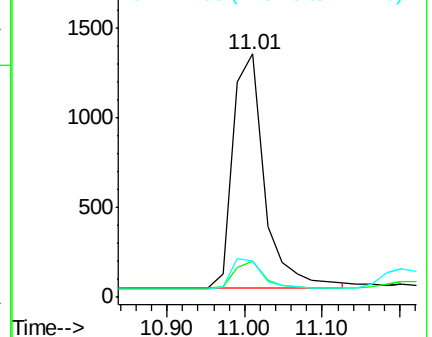
128 100

129 14.7 11.2 16.8

127 14.9 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: 0.40 ng

RT: 11.30 min Scan# 726

Delta R.T. 0.00 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

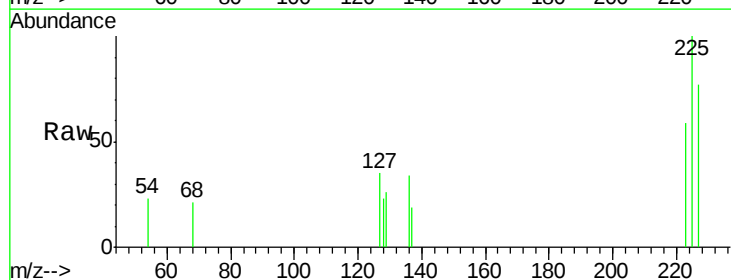
Tgt Ion:225 Resp: 562

Ion Ratio Lower Upper

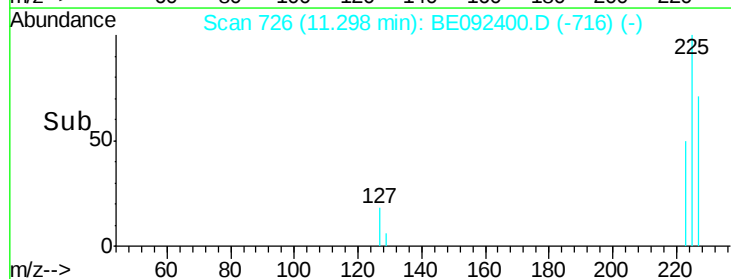
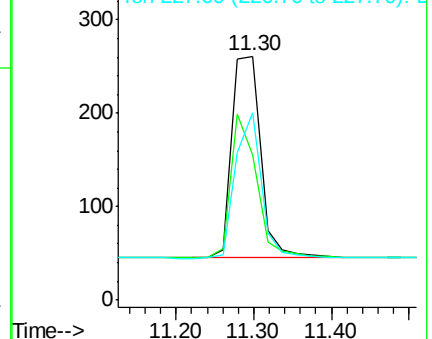
225 100

223 63.5 50.6 76.0

227 65.3 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: 0.40 ng

RT: 12.65 min Scan# 816

Delta R.T. -0.00 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampleId :

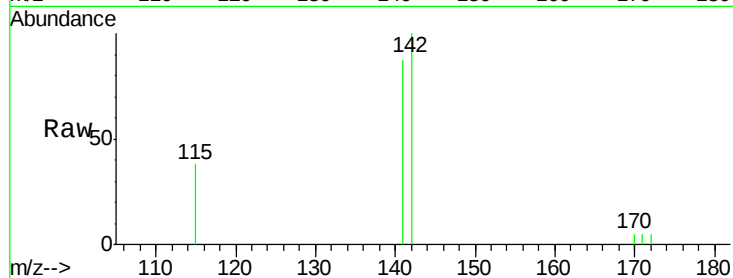
Tot Ion:142 Resp: 2352

Ion Ratio Lower Upper

142 100

141 86.7 73.7 110.5

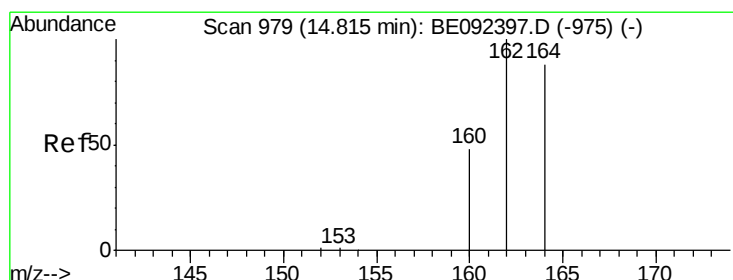
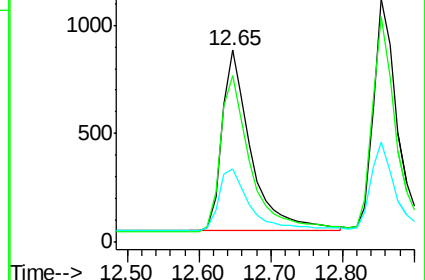
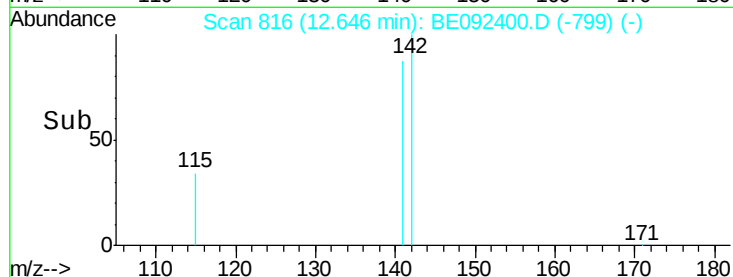
115 38.1 34.0 51.0



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: BE092400.D

Acq: 22 Sep 2016 17:49

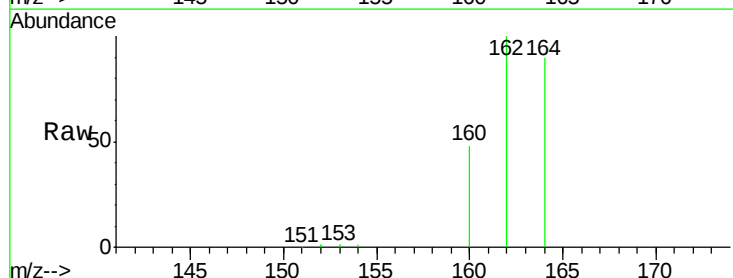
Tgt Ion:164 Resp: 32772

Ion Ratio Lower Upper

164 100

162 111.1 71.4 107.0#

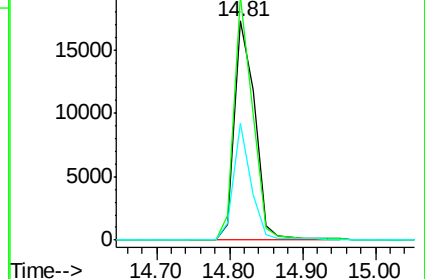
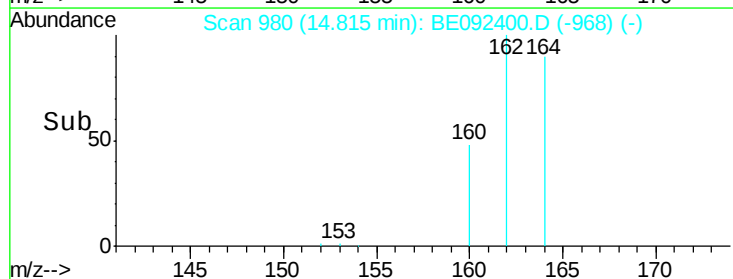
160 53.2 27.4 41.2#

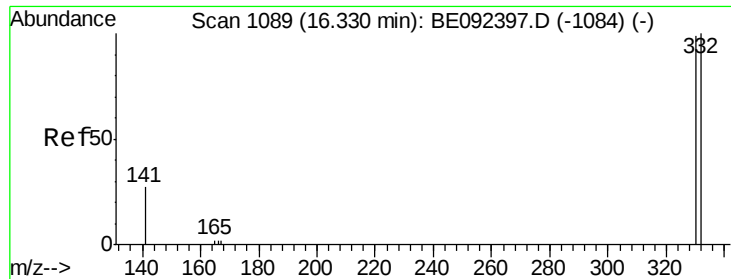


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

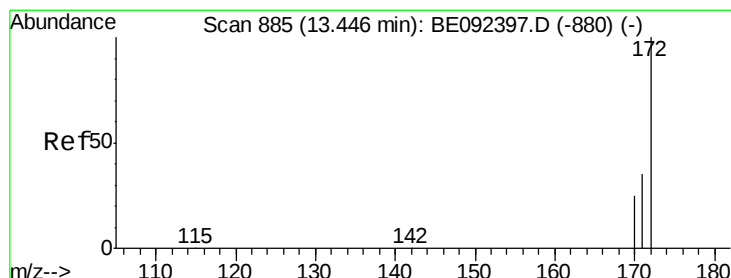
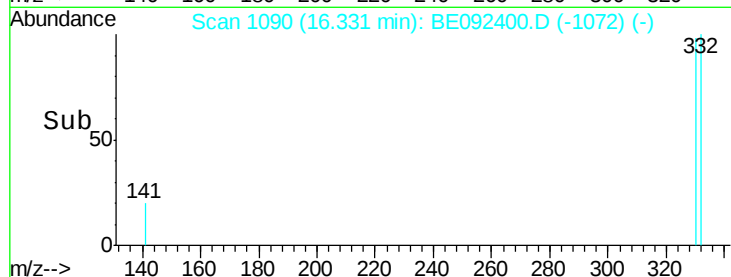
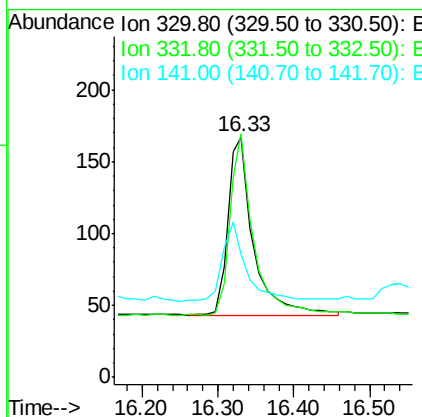
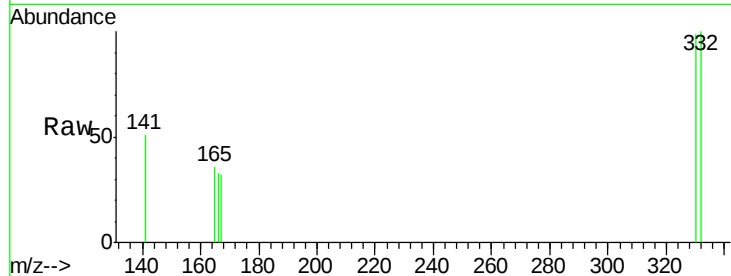




#13
 2,4,6-Tribromophenol
 Concen: 0.41 ng
 RT: 16.33 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: BE092400.D
 Acq: 22 Sep 2016 17:49

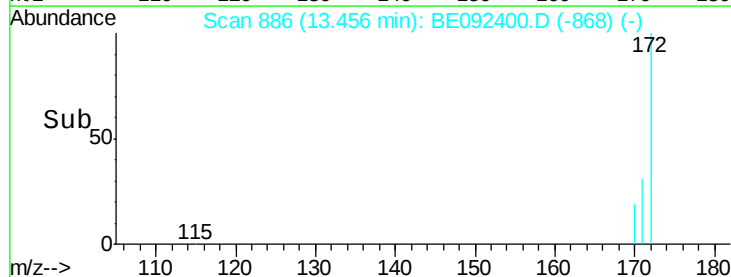
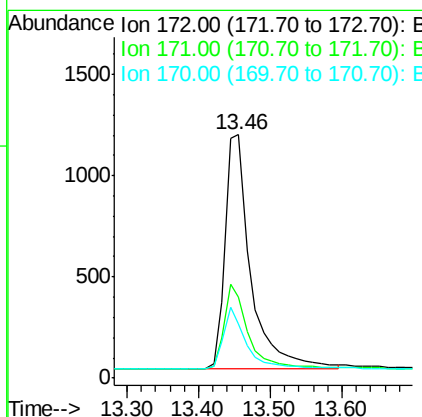
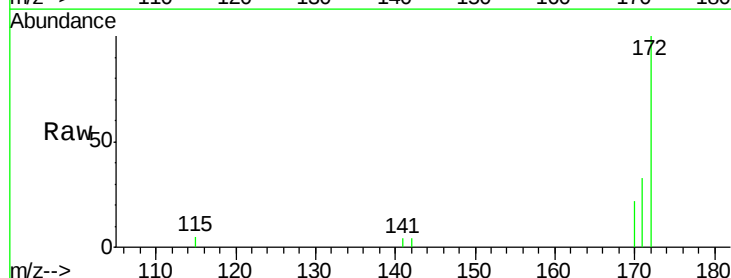
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 298
 Ion Ratio Lower Upper
 330 100
 332 94.6 75.4 113.0
 141 40.9 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 0.37 ng
 RT: 13.46 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: BE092400.D
 Acq: 22 Sep 2016 17:49

Tgt Ion:172 Resp: 2901
 Ion Ratio Lower Upper
 172 100
 171 33.3 30.1 45.1
 170 22.4 21.8 32.6





#15

Acenaphthylene

Concen: 0.38 ng

RT: 14.54 min Scan# 964

Delta R.T. 0.02 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampleId :

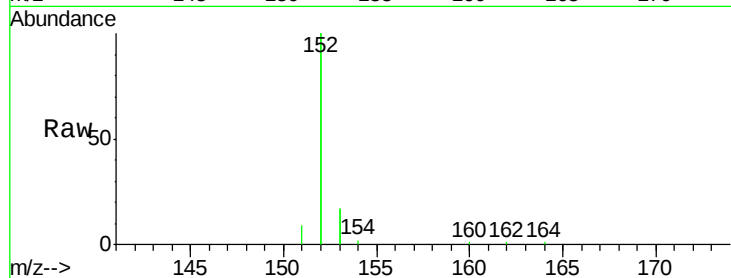
Tot Ion:152 Resp: 18038

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

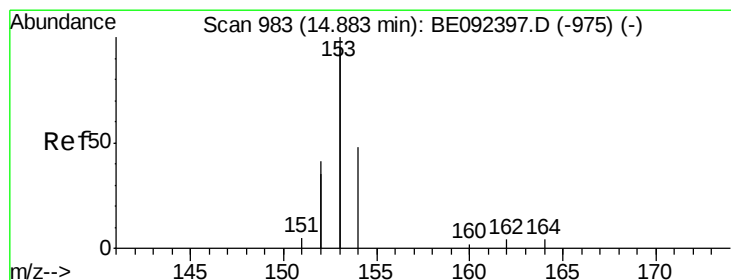
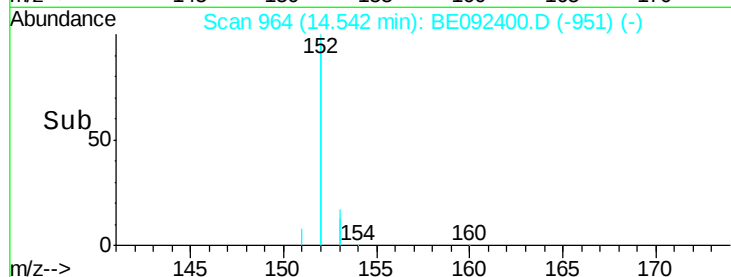
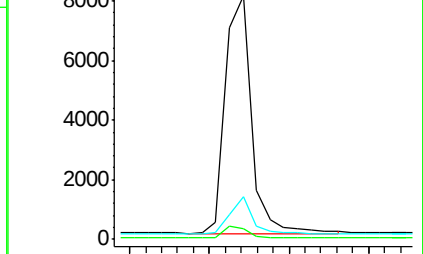
153 12.9 10.4 15.6



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: 0.41 ng

RT: 14.88 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

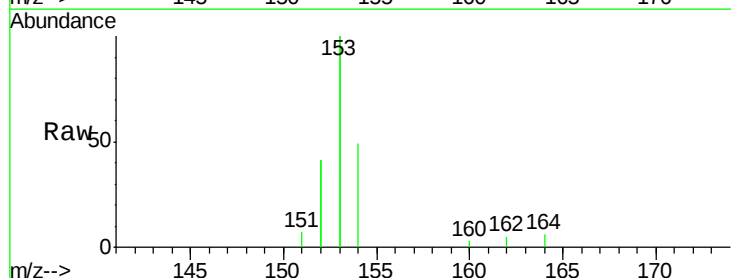
Tgt Ion:154 Resp: 3031

Ion Ratio Lower Upper

154 100

153 426.4 350.8 526.2

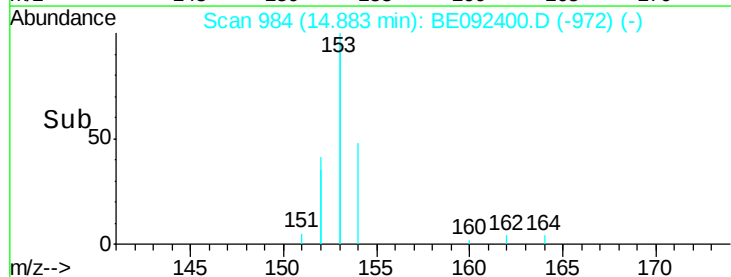
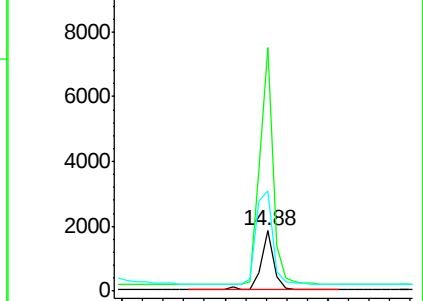
152 207.8 171.1 256.7



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

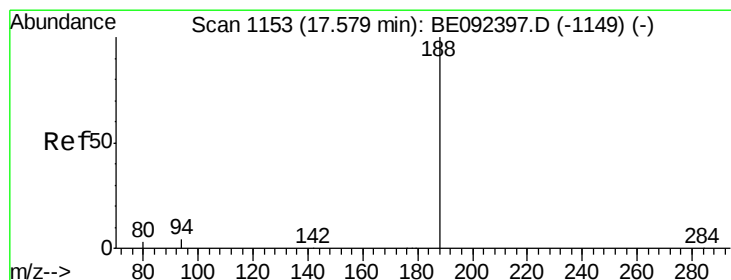
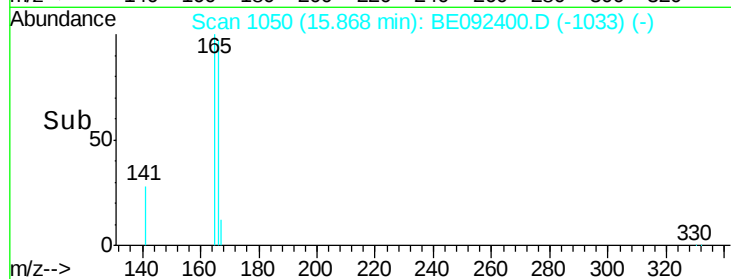
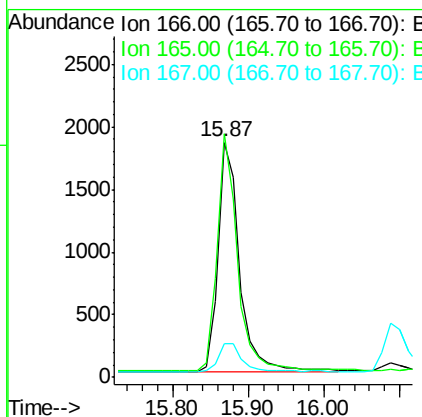
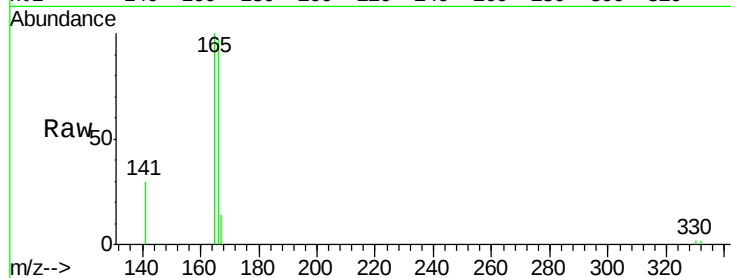




#17
Fluorene
 Concen: 0.38 ng
 RT: 15.87 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BE092400.D
 Acq: 22 Sep 2016 17:49

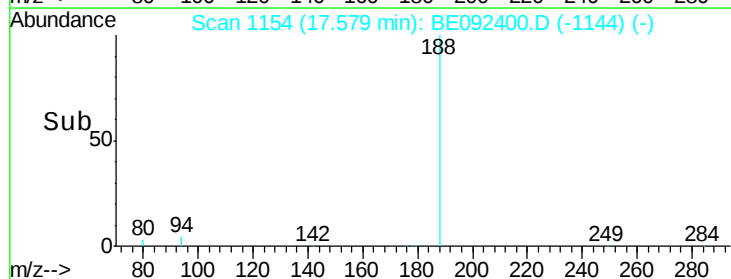
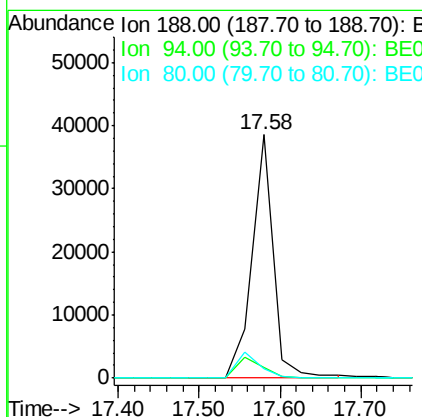
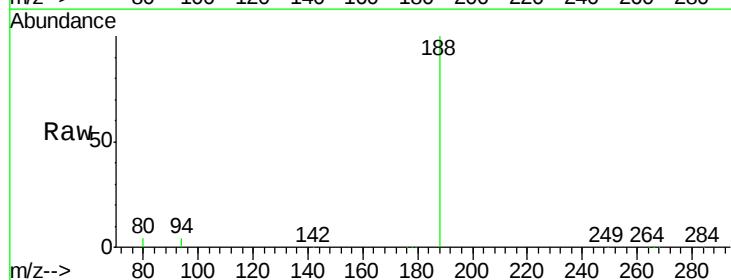
Instrument :
 BNA_E
 ClientSampleId :

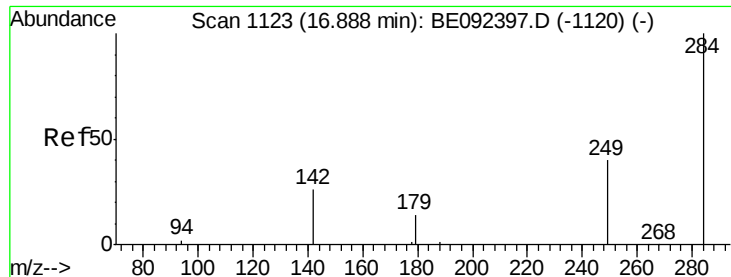
Tot Ion:166 Resp: 3608
 Ion Ratio Lower Upper
 166 100
 165 98.6 78.2 117.4
 167 13.4 11.0 16.4



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.02 min
 Lab File: BE092400.D
 Acq: 22 Sep 2016 17:49

Tgt Ion:188 Resp: 69869
 Ion Ratio Lower Upper
 188 100
 94 4.3 3.2 4.8
 80 3.6 2.6 3.8

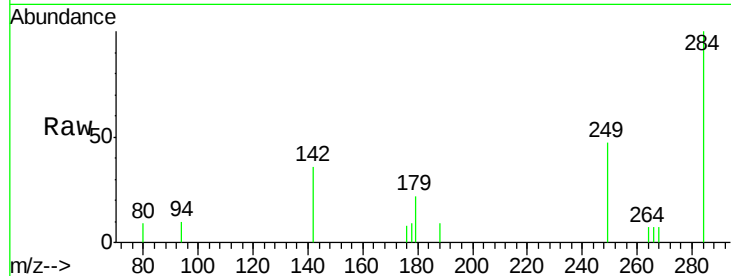




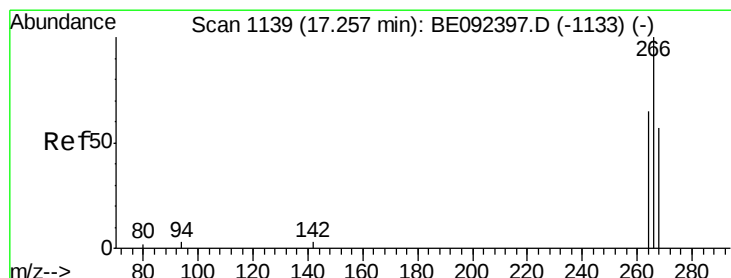
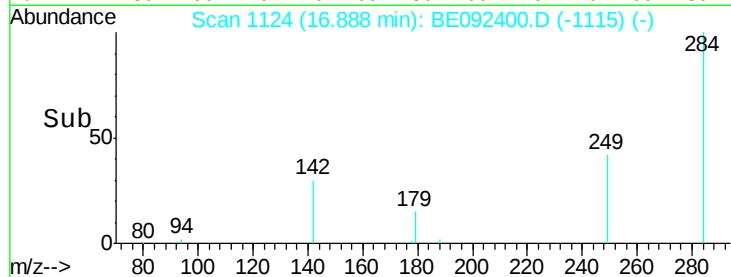
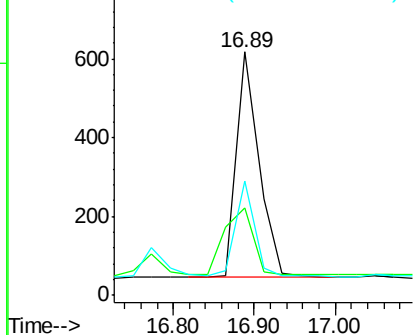
#19
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 1099
Ion Ratio Lower Upper
284 100
142 36.9 29.1 43.7
249 35.8 27.9 41.9

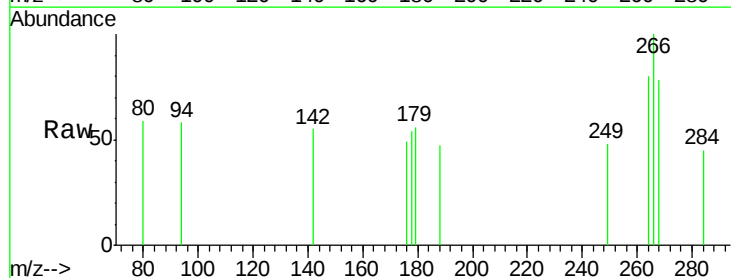


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

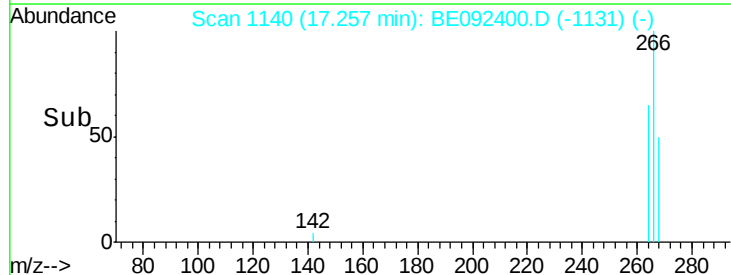
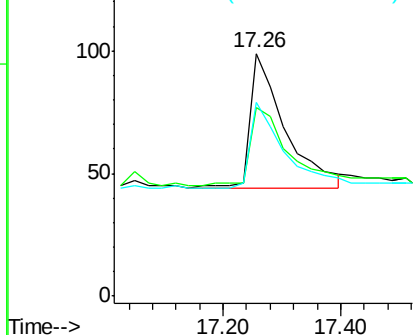


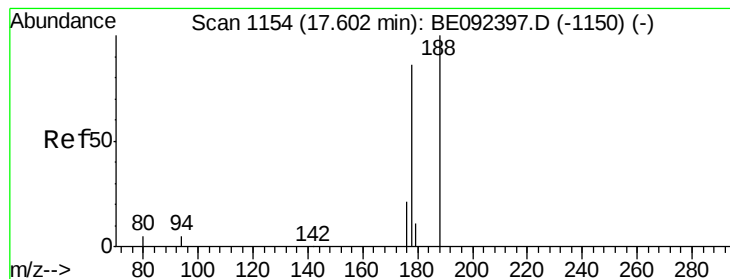
#20
Pentachlorophenol
Concen: 0.38 ng
RT: 17.26 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:266 Resp: 227
Ion Ratio Lower Upper
266 100
268 77.8 62.5 93.7
264 79.8 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: 0.38 ng

RT: 17.63 min Scan# 1156

Delta R.T. 0.02 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampleId :

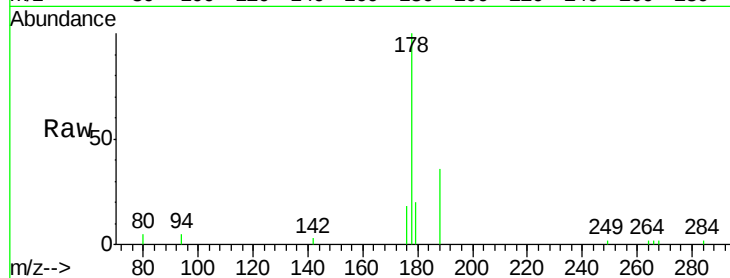
Tot Ion:178 Resp: 6051

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

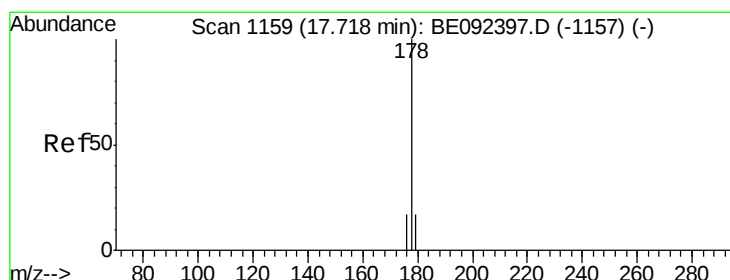
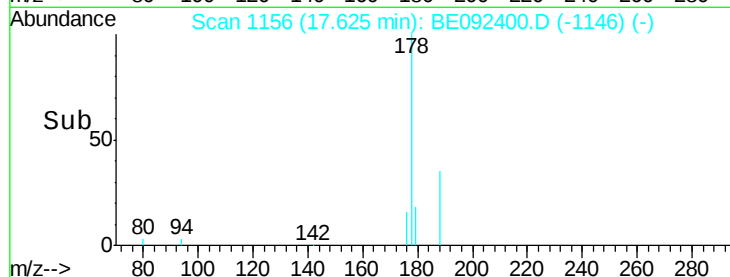
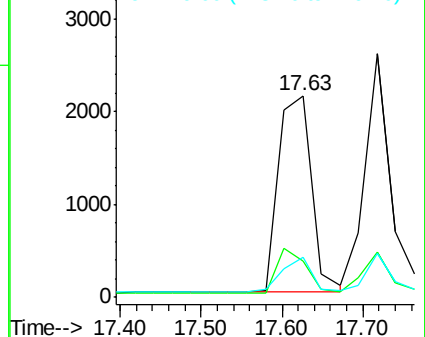
179 16.2 16.0 24.0



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: 0.36 ng

RT: 17.72 min Scan# 1160

Delta R.T. 0.02 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

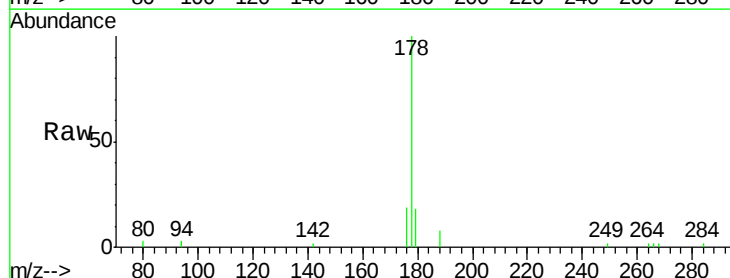
Tgt Ion:178 Resp: 5576

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

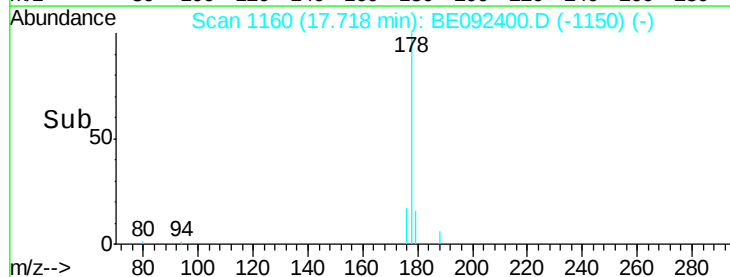
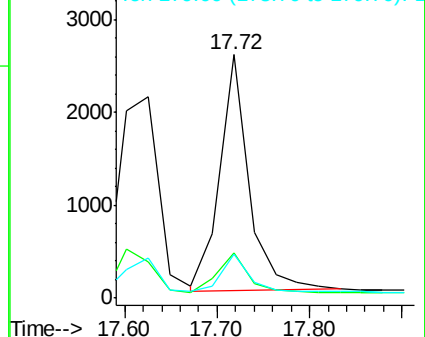
179 15.4 12.2 18.2

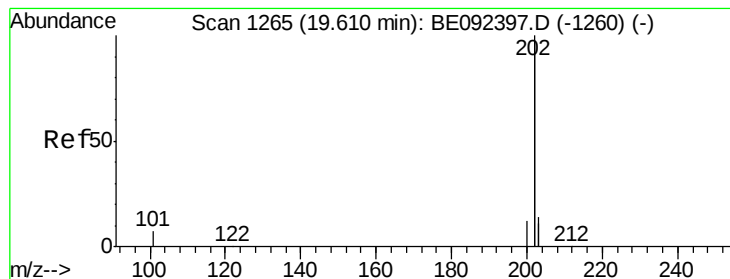


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.37 ng

RT: 19.61 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampled :

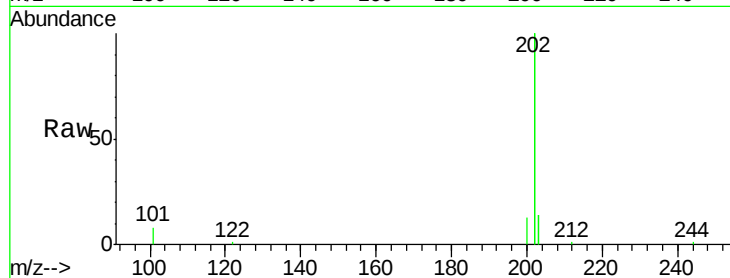
Tot Ion:202 Resp: 28242

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

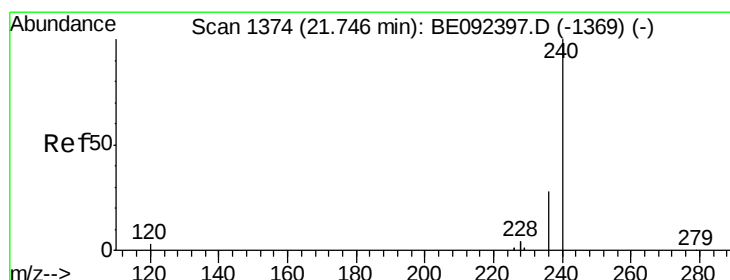
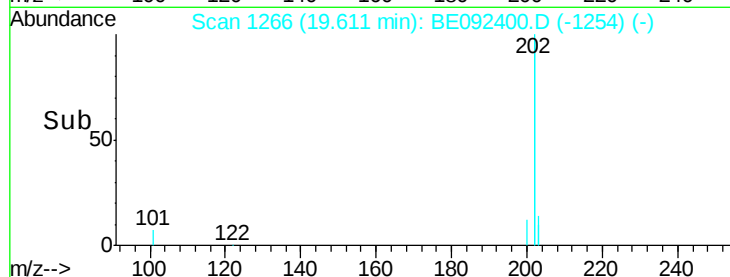
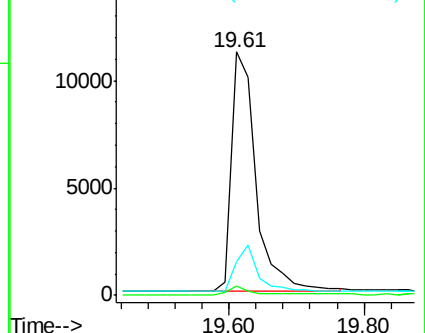
203 17.3 13.7 20.5



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: BE092400.D

Acq: 22 Sep 2016 17:49

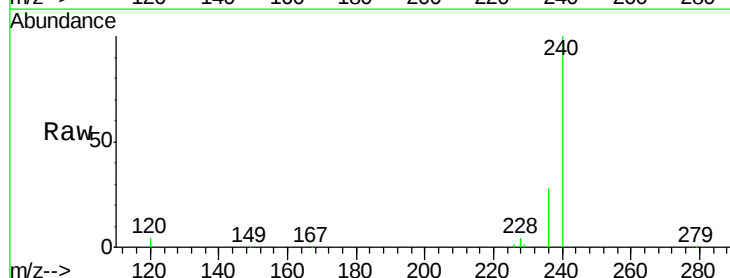
Tgt Ion:240 Resp: 88579

Ion Ratio Lower Upper

240 100

120 3.7 2.6 4.0

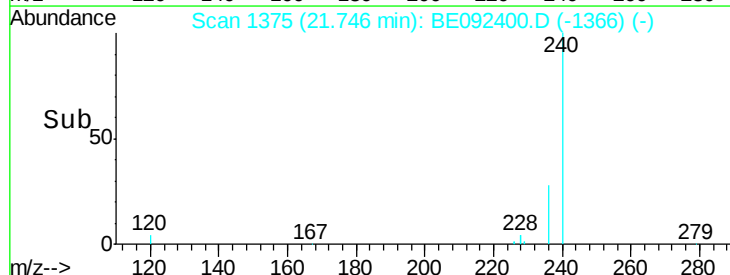
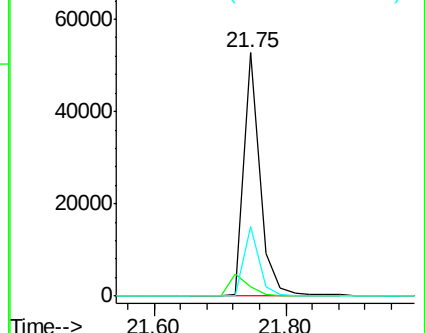
236 28.5 24.6 37.0



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

Pvrene

Concen: 0.38 ng

RT: 19.99 min Scan# 1288

Delta R.T. 0.02 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampleId :

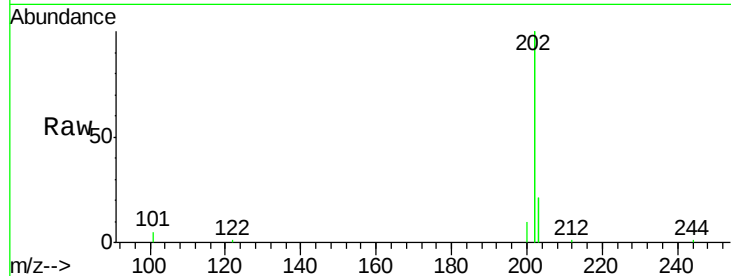
Tot Ion:202 Resp: 29106

Ion Ratio Lower Upper

202 100

200 5.3 4.2 6.4

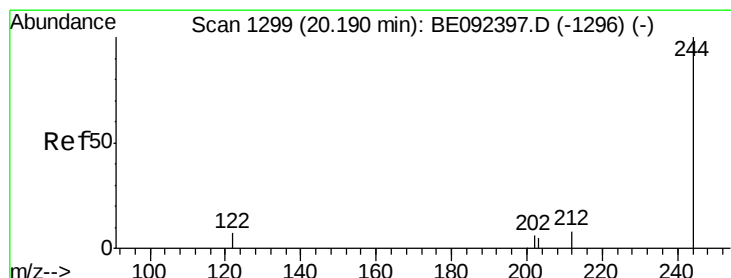
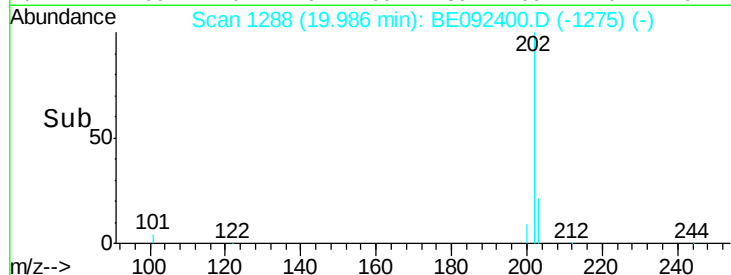
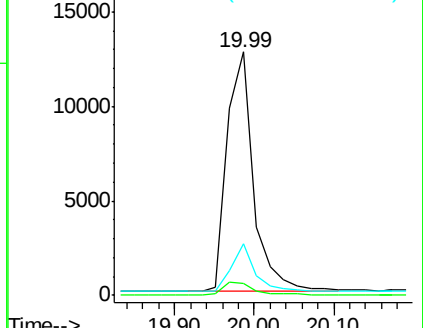
203 17.5 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Terphenyl-d14

Concen: 0.38 ng

RT: 20.19 min Scan# 1300

Delta R.T. 0.02 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

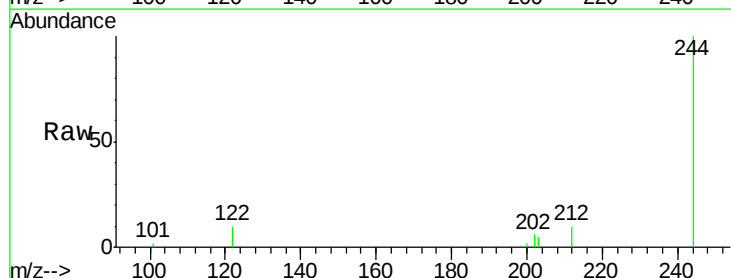
Tgt Ion:244 Resp: 4129

Ion Ratio Lower Upper

244 100

212 10.1 6.7 10.1#

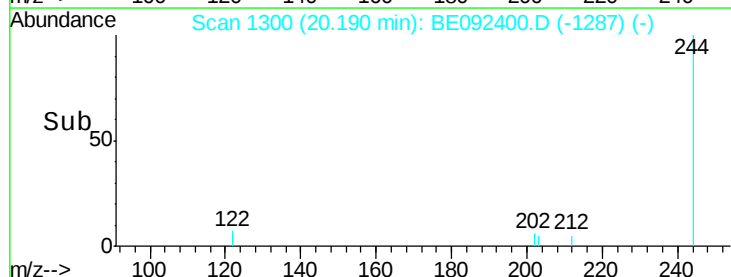
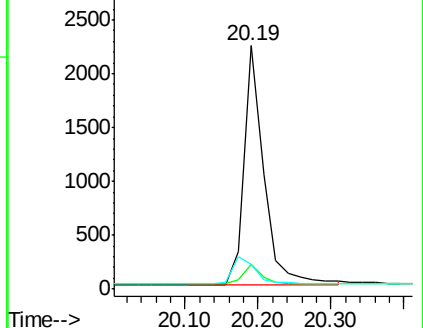
122 10.1 3.6 5.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 0.73 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampleId :

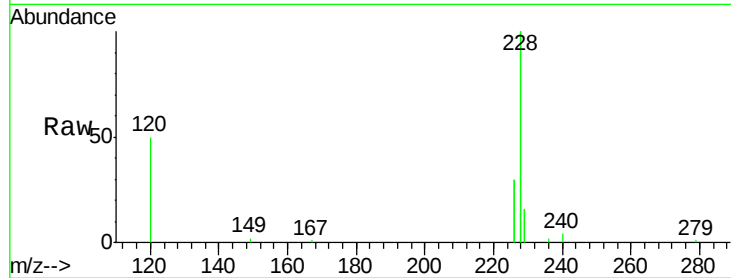
Tot Ion:228 Resp: 62697

Ion Ratio Lower Upper

228 100

226 29.6 23.6 35.4

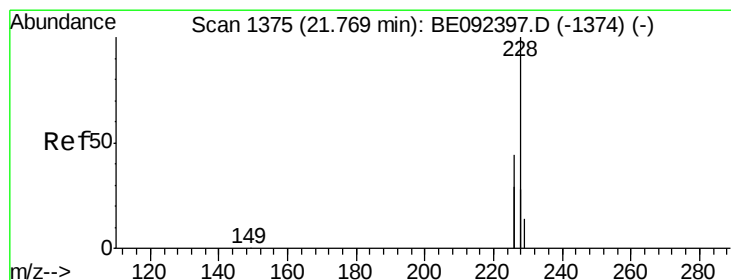
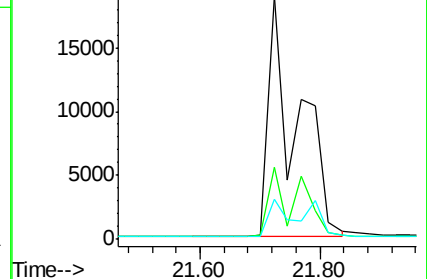
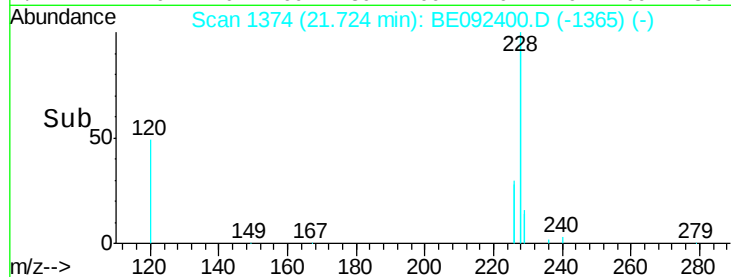
229 16.2 13.3 19.9



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: 0.80 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.04 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

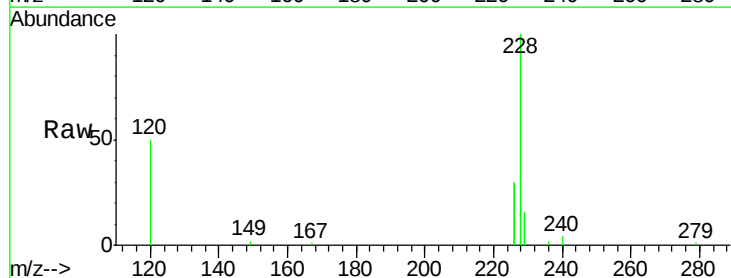
Tgt Ion:228 Resp: 63377

Ion Ratio Lower Upper

228 100

226 29.6 36.3 54.5#

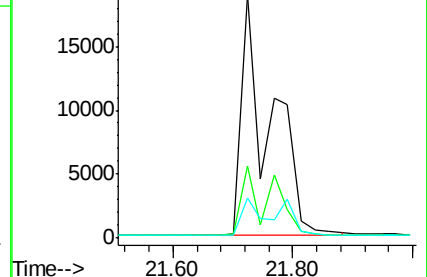
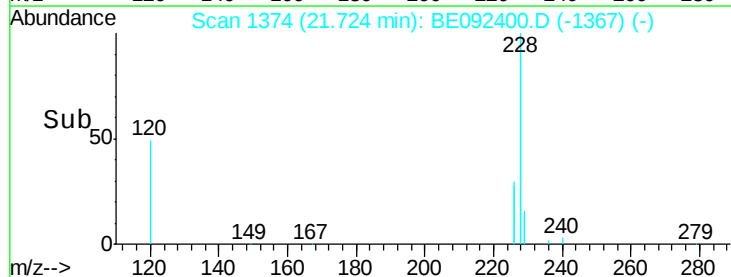
229 16.2 10.6 16.0#

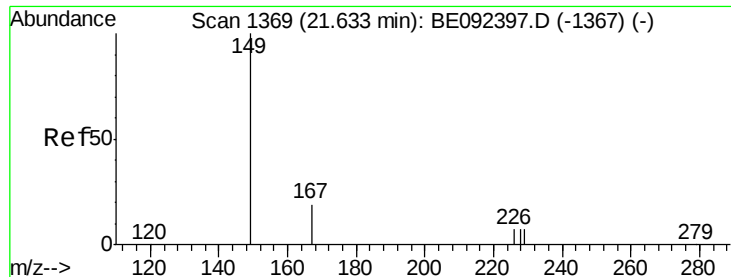


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

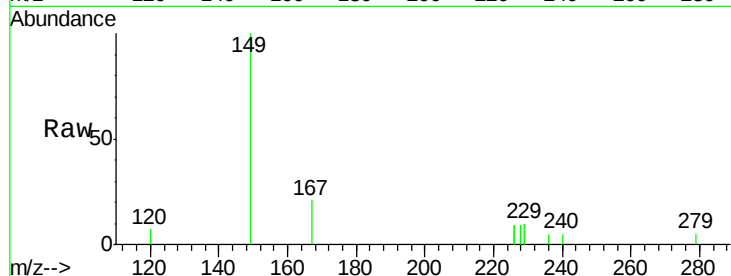




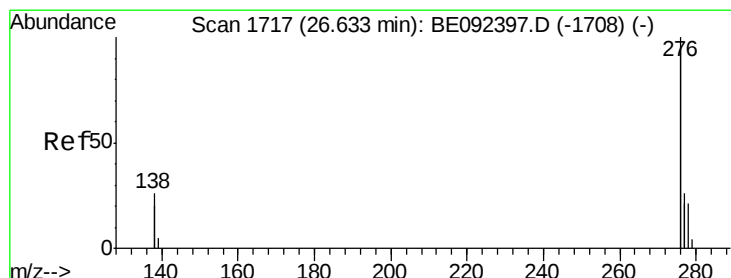
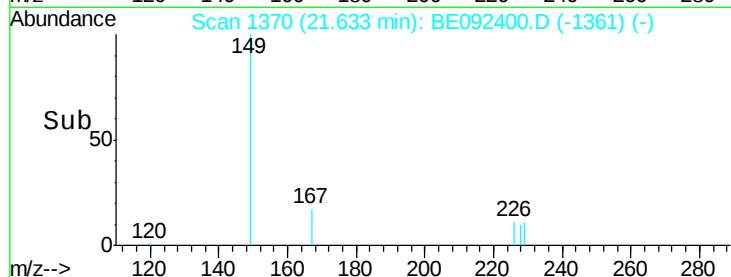
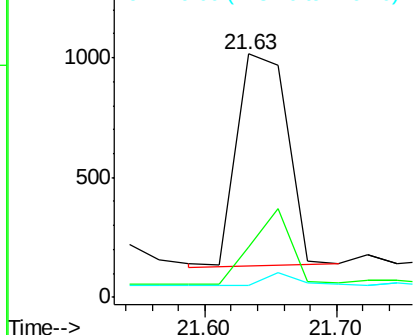
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.32 ng
 RT: 21.63 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: BE092400.D
 Acq: 22 Sep 2016 17:49

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:149 Resp: 2391
 Ion Ratio Lower Upper
 149 100
 167 0.0 16.0 24.0#
 279 0.0 16.0 24.0#

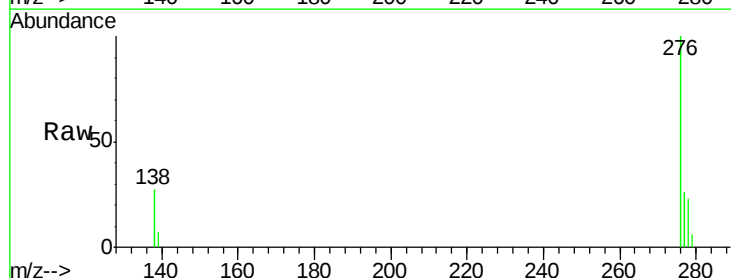


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

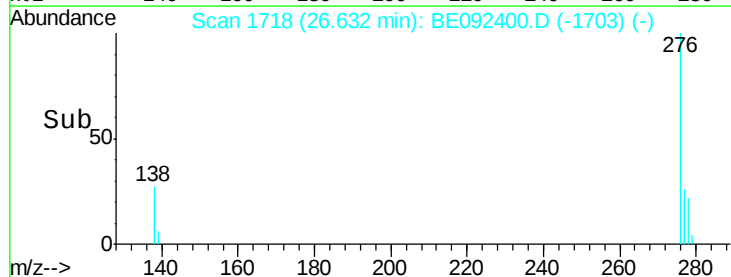
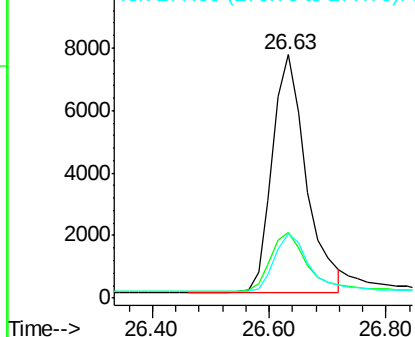


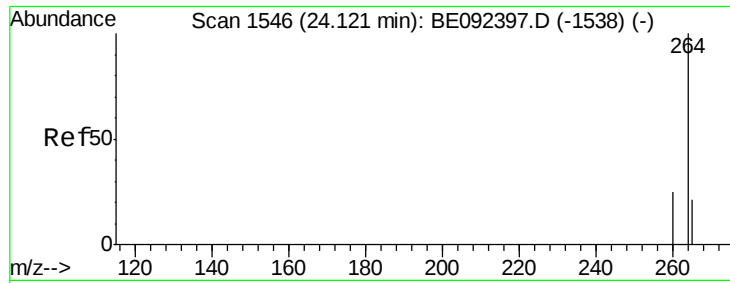
#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.36 ng
 RT: 26.63 min Scan# 1718
 Delta R.T. 0.05 min
 Lab File: BE092400.D
 Acq: 22 Sep 2016 17:49

Tgt Ion:276 Resp: 30570
 Ion Ratio Lower Upper
 276 100
 138 25.9 20.3 30.5
 277 24.5 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

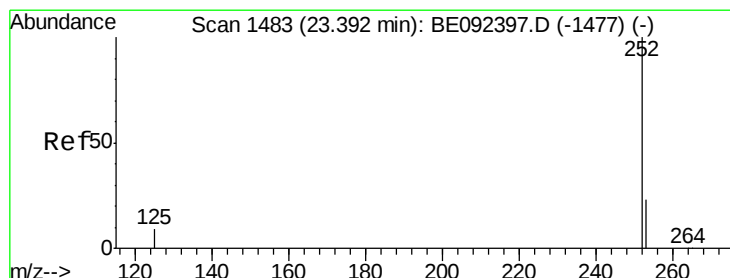
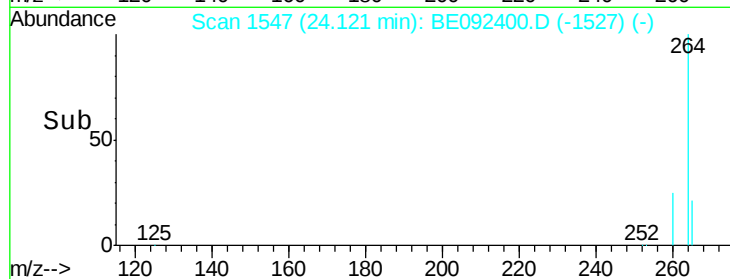
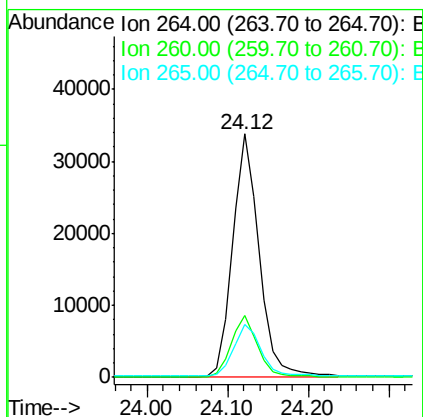
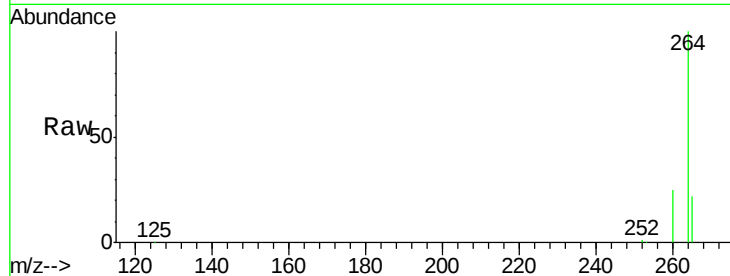




#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.03 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

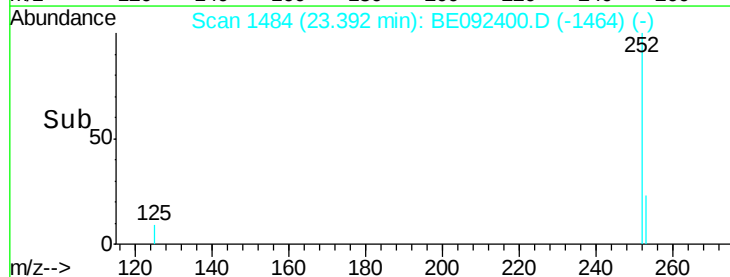
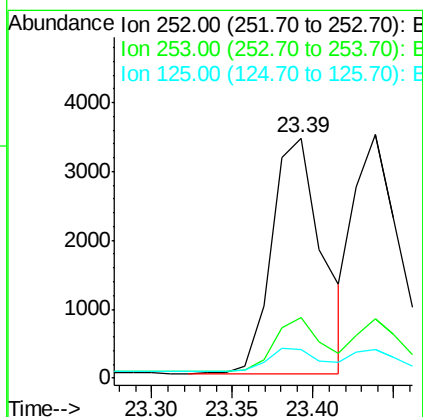
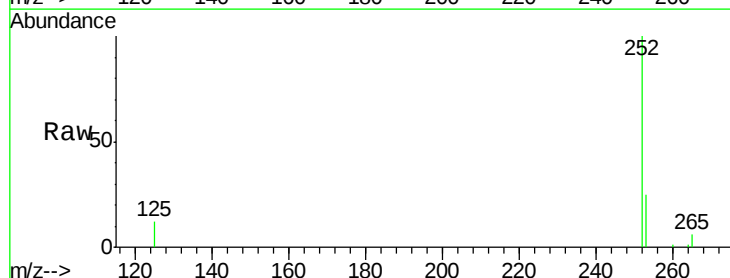
Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 77062
Ion Ratio Lower Upper
264 100
260 25.2 20.1 30.1
265 21.6 17.9 26.9



#32
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.39 min Scan# 1484
Delta R.T. 0.03 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:252 Resp: 7447
Ion Ratio Lower Upper
252 100
253 25.0 18.7 28.1
125 11.7 10.5 15.7





#33

Benzo(k)fluoranthene

Concen: 0.37 ng

RT: 23.44 min Scan# 1488

Delta R.T. 0.03 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampleId :

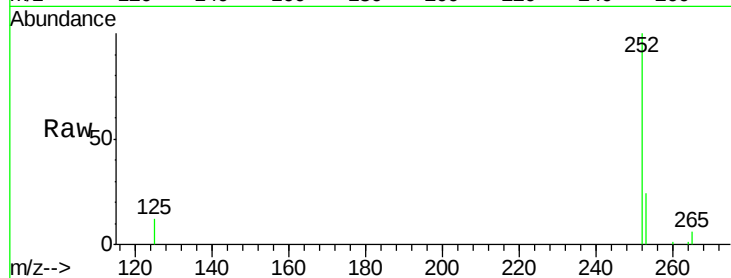
Tot Ion:252 Resp: 7272

Ion Ratio Lower Upper

252 100

253 24.4 20.3 30.5

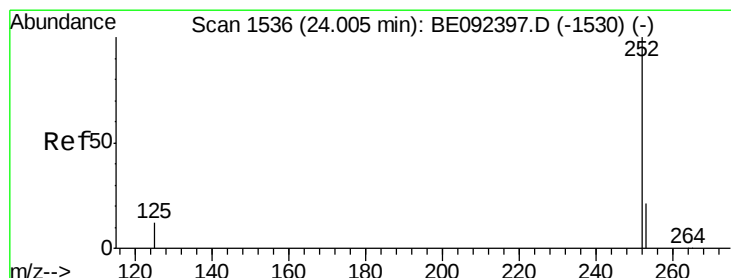
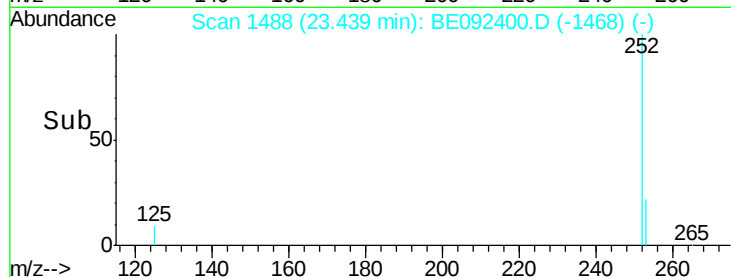
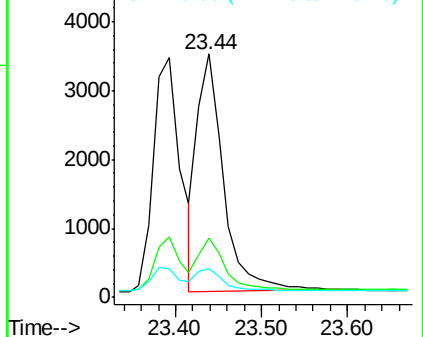
125 12.0 9.6 14.4



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: 0.38 ng

RT: 24.01 min Scan# 1537

Delta R.T. 0.02 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

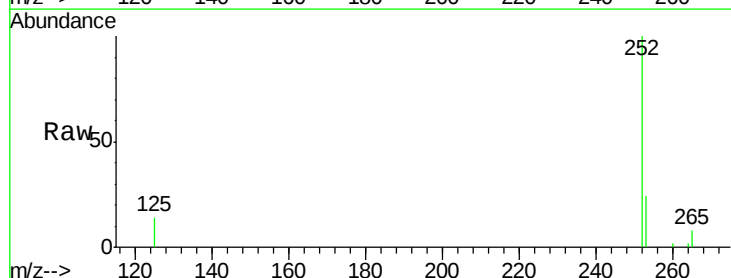
Tgt Ion:252 Resp: 6928

Ion Ratio Lower Upper

252 100

253 23.7 19.0 28.6

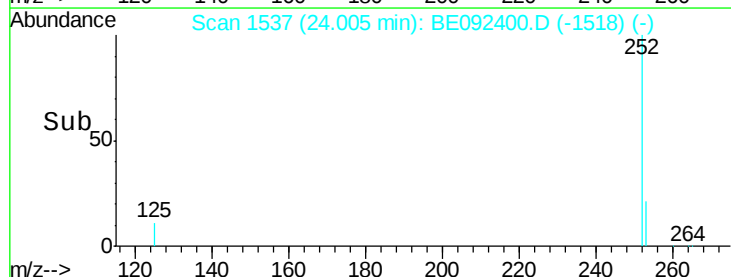
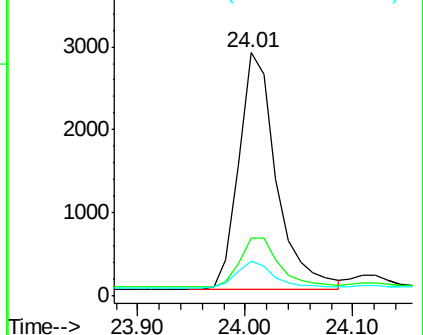
125 14.3 11.8 17.8



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: 0.38 ng

RT: 26.65 min Scan# 1719

Delta R.T. 0.05 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

Instrument :

BNA_E

ClientSampleId :

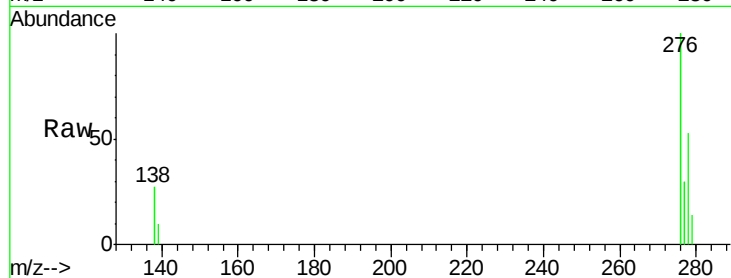
Tot Ion:278 Resp: 6296

Ion Ratio Lower Upper

278 100

139 19.7 13.8 20.8

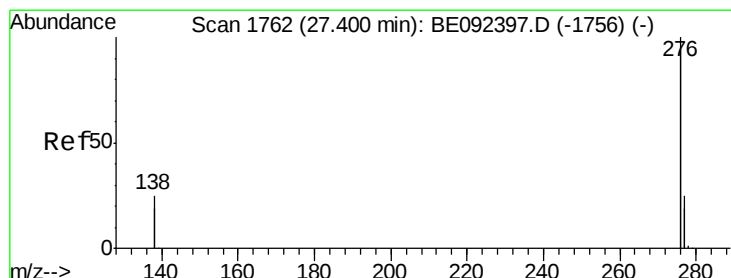
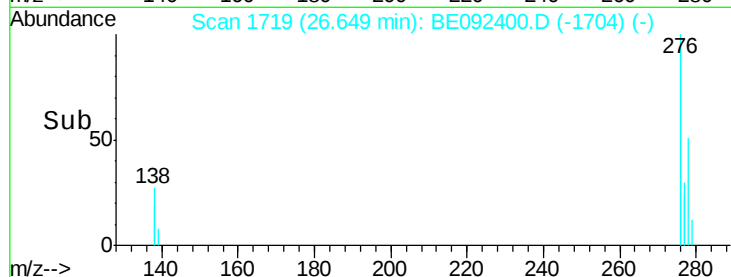
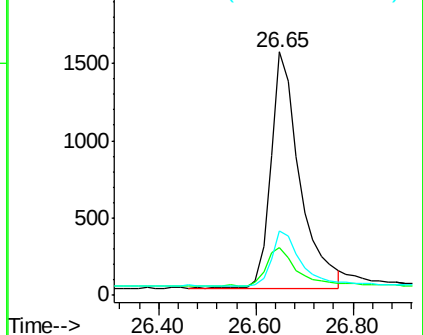
279 26.5 21.4 32.2



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: 0.39 ng

RT: 27.40 min Scan# 1763

Delta R.T. 0.05 min

Lab File: BE092400.D

Acq: 22 Sep 2016 17:49

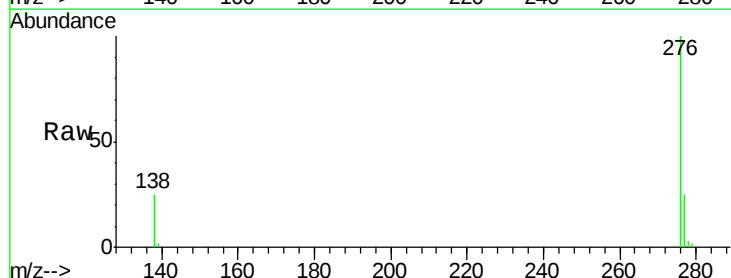
Tgt Ion:276 Resp: 27902

Ion Ratio Lower Upper

276 100

277 24.6 19.8 29.8

138 25.1 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

