

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112316\
 Data File : BE092572.D
 Acq On : 23 Nov 2016 9:43
 Operator : UM/SJ
 Sample : SSTDCCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCCC0.4

Quant Time: Nov 23 16:01:19 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 15:43:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7345	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	35587	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	25359	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	56742	5.00	ng	0.00
24) Chrysene-d12	21.72	240	81679	5.00	ng	0.00
31) Perylene-d12	24.08	264	68951	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.68	112	513	0.41	ng	0.00
5) Phenol-d6	7.36	99	637	0.42	ng	0.00
8) Nitrobenzene-d5	9.36	82	728	0.39	ng	0.00
13) 2,4,6-Tribromophenol	16.31	330	219	0.38	ng	0.00
14) 2-Fluorobiphenyl	13.43	172	2371	0.38	ng	0.00
26) Terphenyl-d14	20.17	244	3508	0.38	ng	0.00

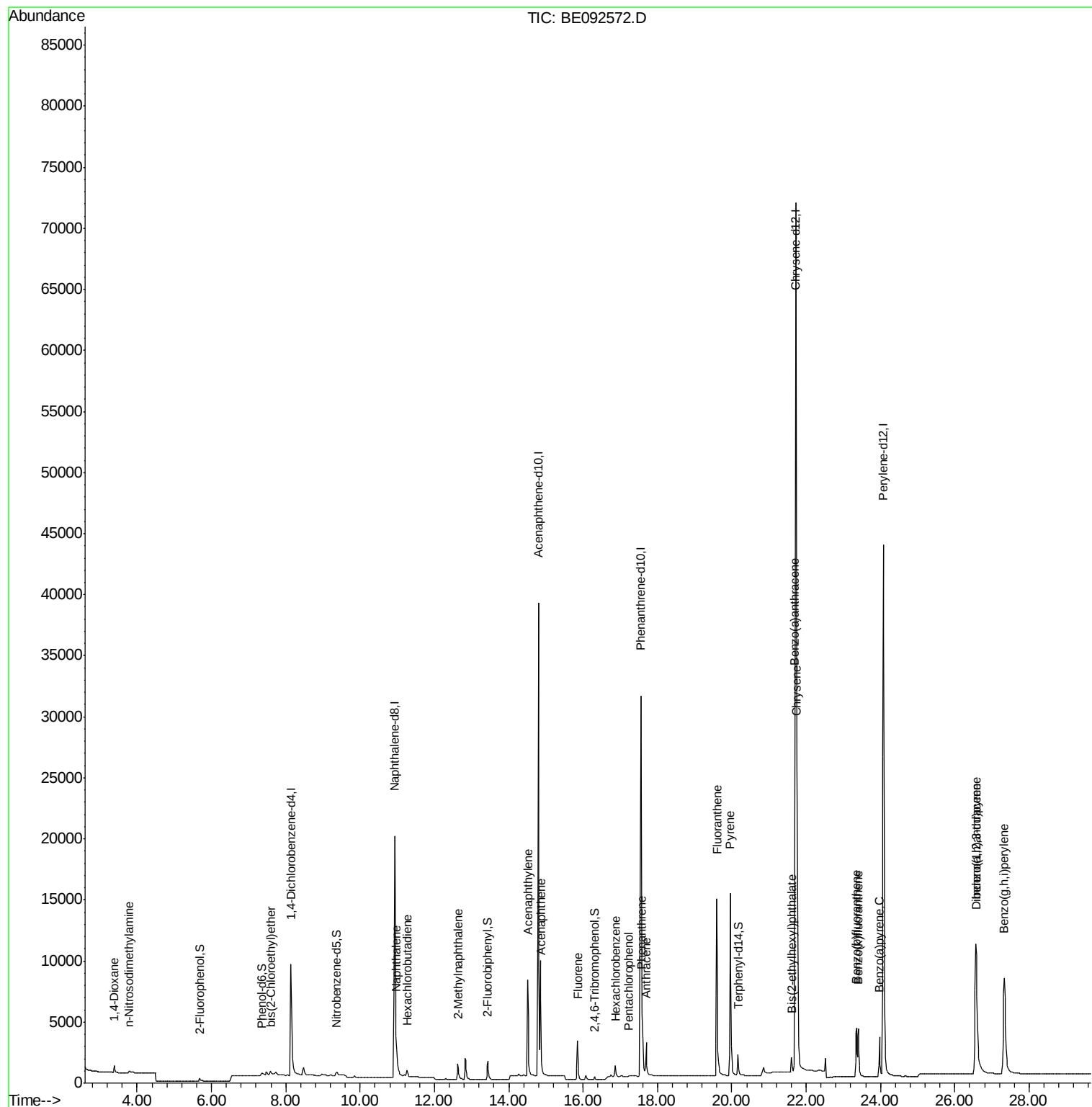
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.39	88	424	0.38	ng	98
3) n-Nitrosodimethylamine	3.78	42	327	0.43	ng	# 2
6) bis(2-Chloroethyl)ether	7.59	93	658	0.33	ng	# 84
9) Naphthalene	10.97	128	2889	0.39	ng	# 95
10) Hexachlorobutadiene	11.26	225	449	0.40	ng	98
11) 2-Methylnaphthalene	12.63	142	1798	0.38	ng	92
15) Acenaphthylene	14.51	152	13317	0.38	ng	100
16) Acenaphthene	14.87	154	2245	0.39	ng	96
17) Fluorene	15.86	166	2777	0.39	ng	98
19) Hexachlorobenzene	16.87	284	849m	0.38	ng	
20) Pentachlorophenol	17.23	266	159	0.46	ng	91
21) Phenanthrene	17.58	178	5054	0.40	ng	# 78
22) Anthracene	17.70	178	4649	0.39	ng	99
23) Fluoranthene	19.59	202	23530	0.40	ng	99
25) Pyrene	19.95	202	24371	0.38	ng	100
27) Benzo(a)anthracene	21.70	228	27556m	0.45	ng	
28) Chrysene	21.75	228	29276m	0.42	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	1895	0.47	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.56	276	27048	0.40	ng	97
32) Benzo(b)fluoranthene	23.36	252	6646	0.40	ng	96
33) Benzo(k)fluoranthene	23.40	252	6296	0.36	ng	99
34) Benzo(a)pyrene	23.97	252	5700	0.37	ng	97
35) Dibenzo(a,h)anthracene	26.58	278	5482	0.36	ng	# 95
36) Benzo(g,h,i)perylene	27.33	276	23567	0.36	ng	97

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

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Quant Time: Nov 23 16:01:19 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

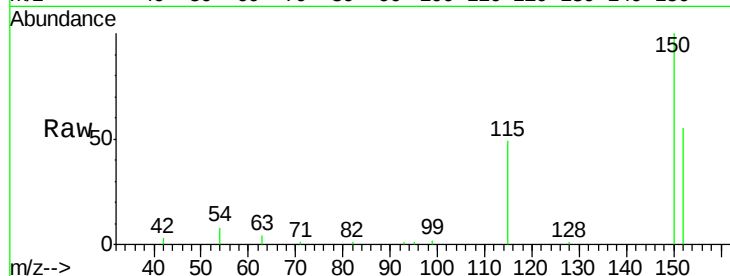
Tgt Ion: 152 Resp: 7345

Ion Ratio Lower Upper

152 100

150 180.8 106.0 159.0#

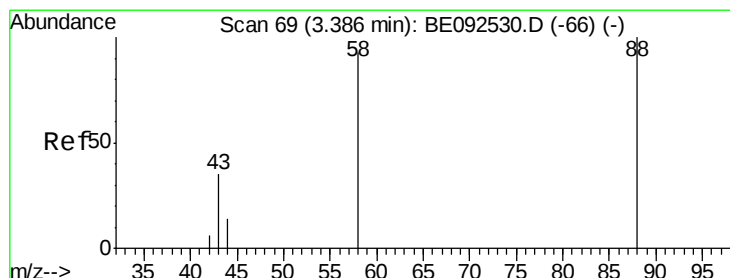
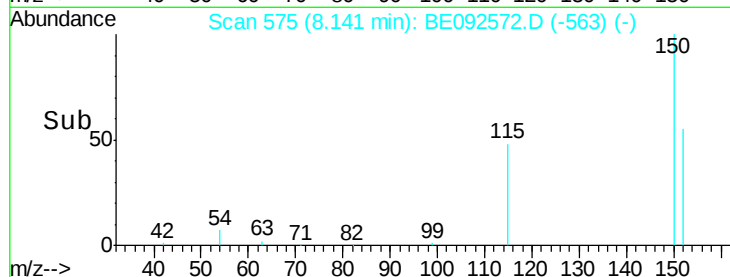
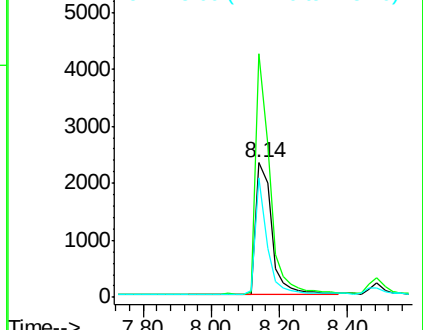
115 88.9 31.2 46.8#



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: 0.38 ng

RT: 3.39 min Scan# 69

Delta R.T. -0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

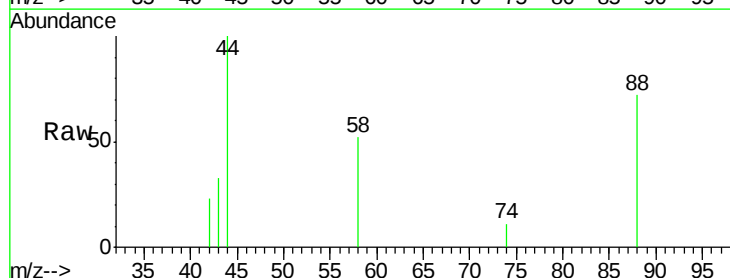
Tgt Ion: 88 Resp: 424

Ion Ratio Lower Upper

88 100

58 80.4 63.6 95.4

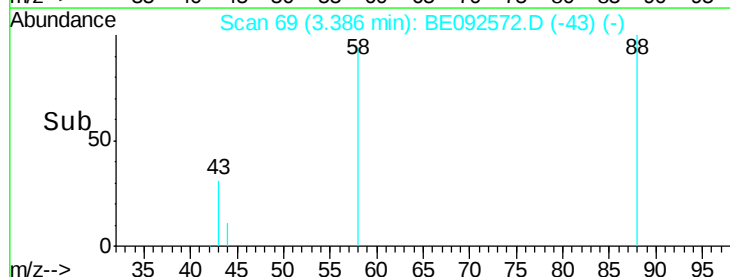
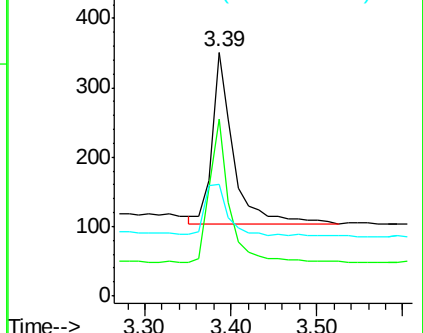
43 31.8 28.0 42.0

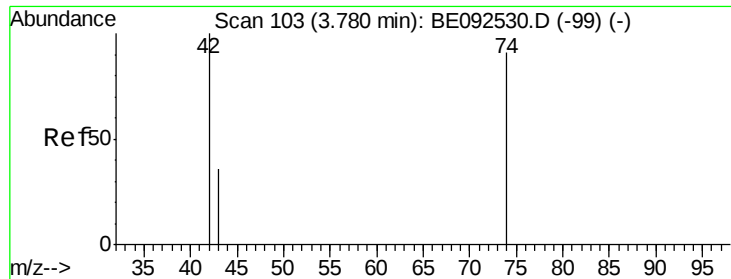


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.43 ng

RT: 3.78 min Scan# 103

Delta R.T. -0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

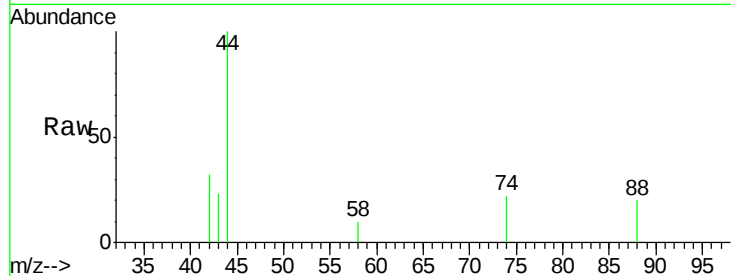
Tgt Ion: 42 Resp: 327

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

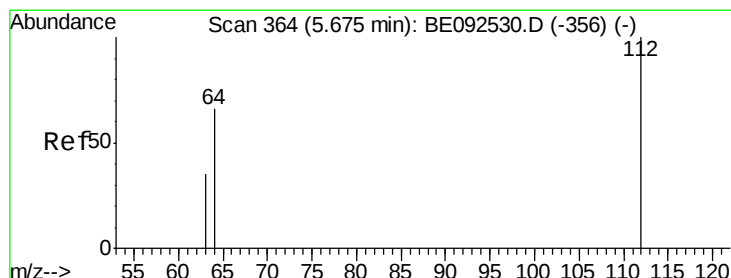
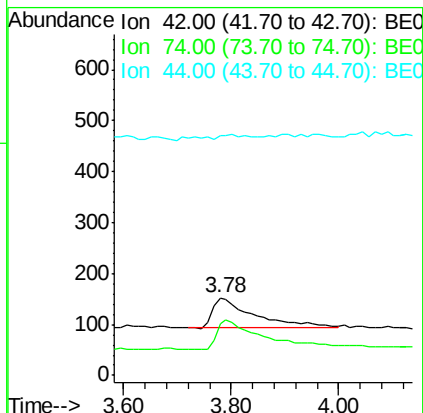
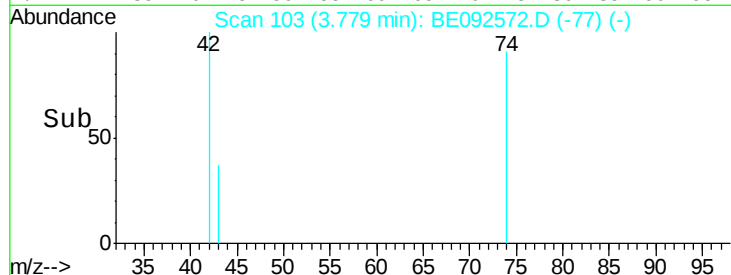
44 0.0 5.1 7.7#



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: 0.41 ng

RT: 5.68 min Scan# 364

Delta R.T. 0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

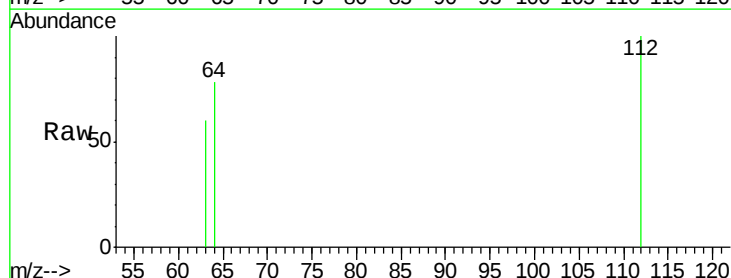
Tgt Ion: 112 Resp: 513

Ion Ratio Lower Upper

112 100

64 65.3 53.5 80.3

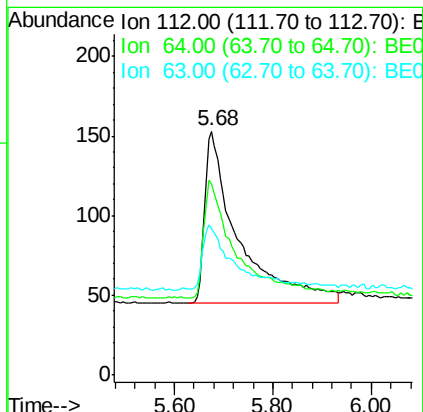
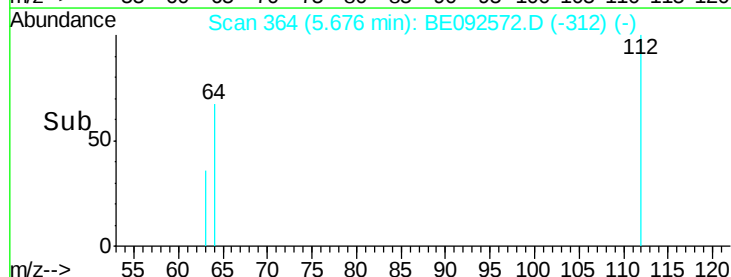
63 29.8 27.9 41.9



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: 0.42 ng

RT: 7.36 min Scan# 541

Delta R.T. 0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

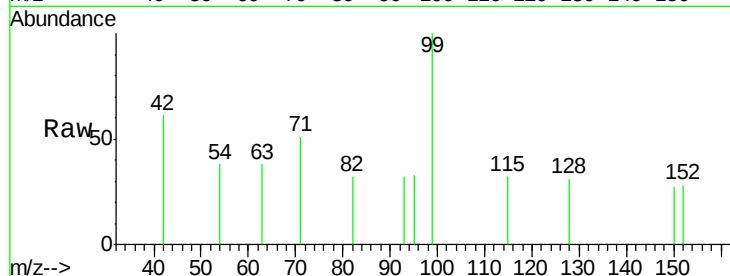
Tgt Ion: 99 Resp: 637

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

71 35.2 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

7.36

150

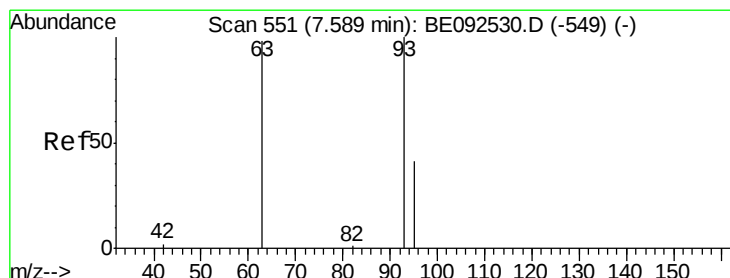
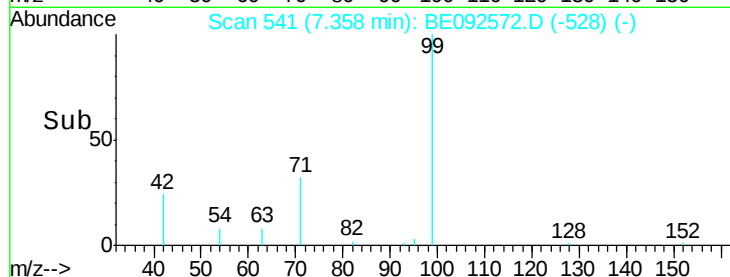
100

50

0

7.20 7.30 7.40 7.50 7.60

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.33 ng

RT: 7.59 min Scan# 551

Delta R.T. 0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

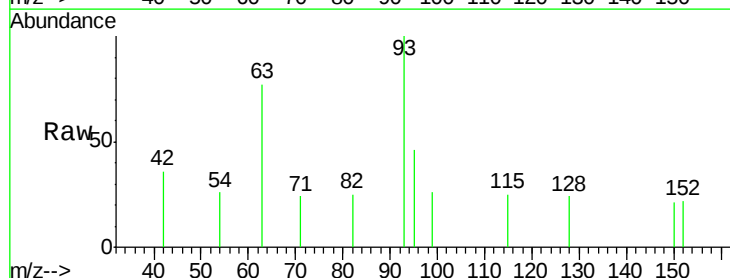
Tgt Ion: 93 Resp: 658

Ion Ratio Lower Upper

93 100

63 69.8 71.6 107.4#

95 30.4 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

7.59

300

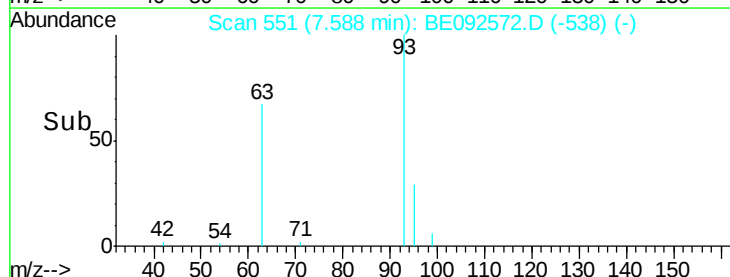
200

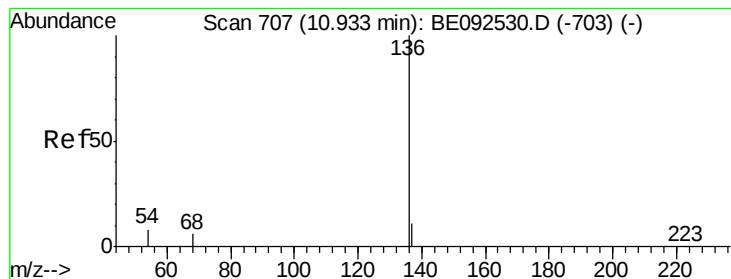
100

0

7.50 7.60 7.70 7.80

Time-->





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion:136 Resp: 35587

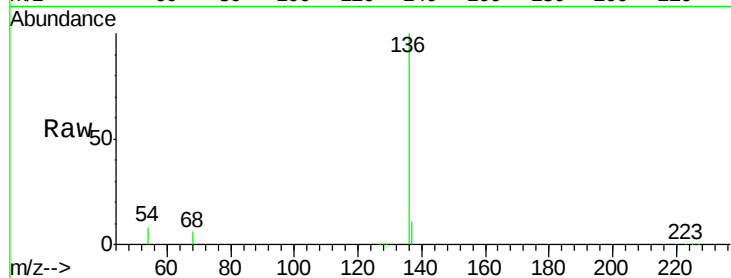
Ion Ratio Lower Upper

136 100

137 11.5 8.2 12.4

54 7.7 9.6 14.4#

68 5.6 6.7 10.1#

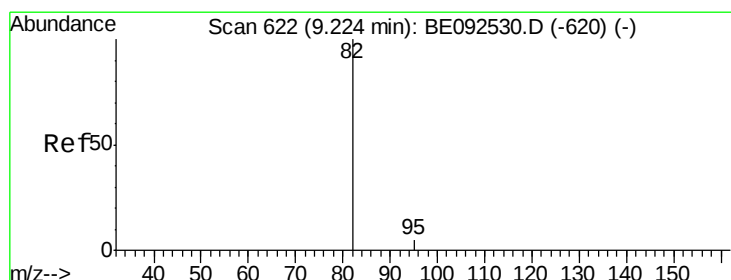
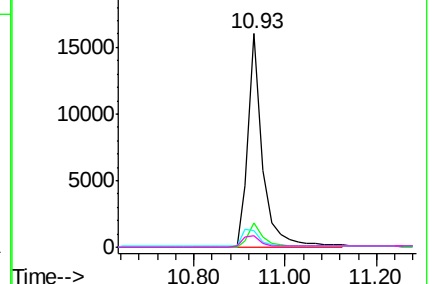
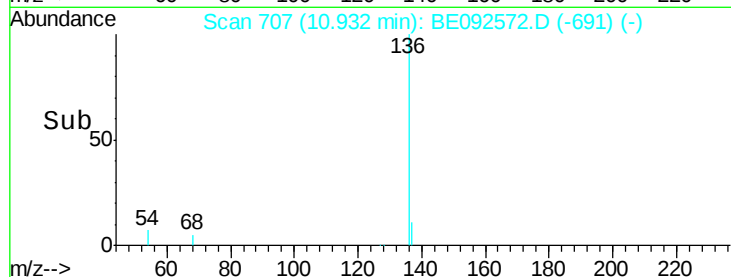


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.39 ng

RT: 9.36 min Scan# 628

Delta R.T. 0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

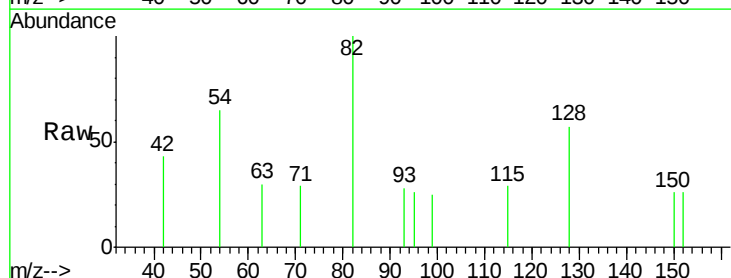
Tgt Ion: 82 Resp: 728

Ion Ratio Lower Upper

82 100

128 57.2 39.0 58.4

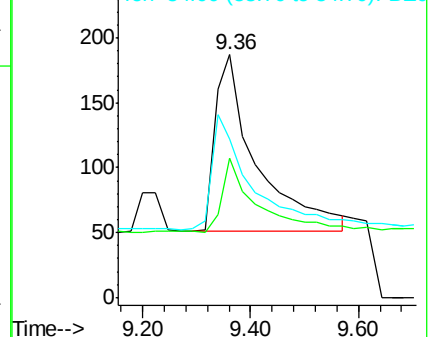
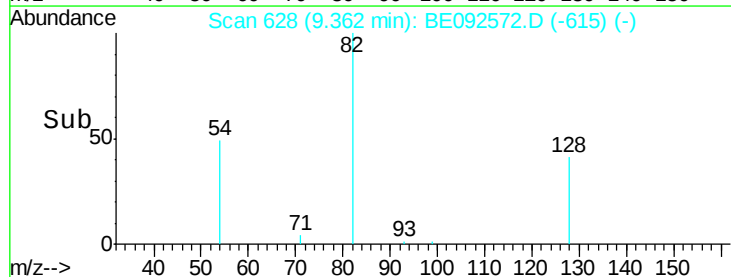
54 65.2 44.8 67.2

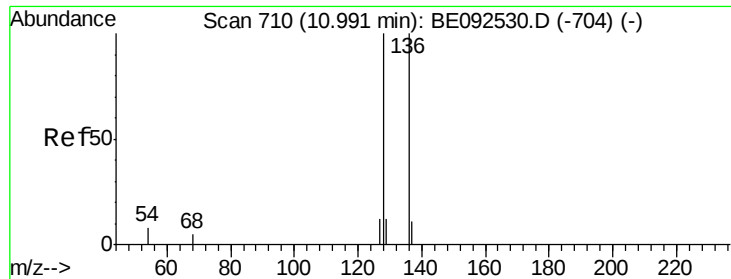


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.39 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.02 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

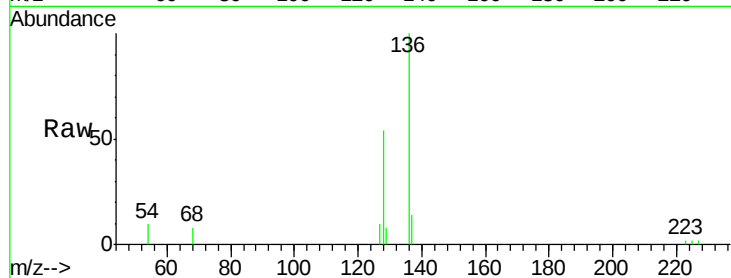
Tgt Ion:128 Resp: 2889

Ion Ratio Lower Upper

128 100

129 14.6 11.2 16.8

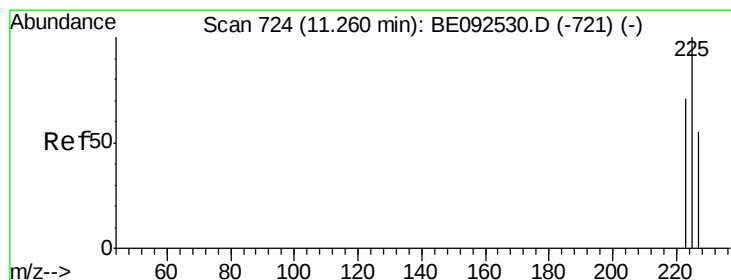
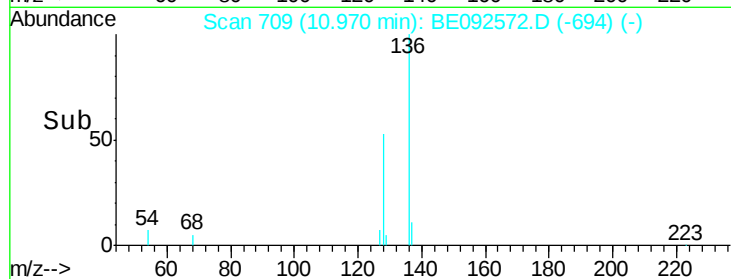
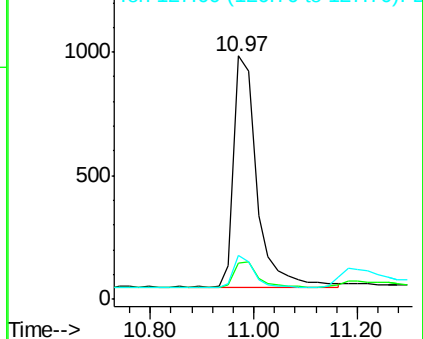
127 17.9 11.6 17.4#



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: 11.26 min Scan# 724

Delta R.T. -0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

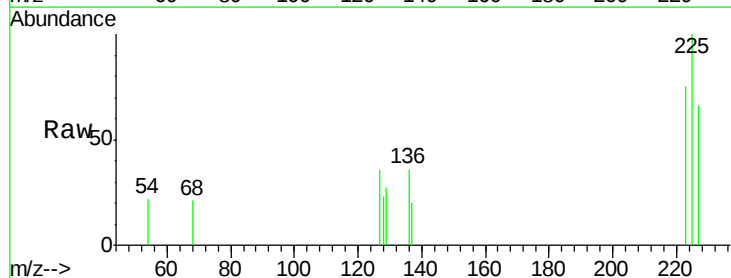
Tgt Ion:225 Resp: 449

Ion Ratio Lower Upper

225 100

223 65.0 50.6 76.0

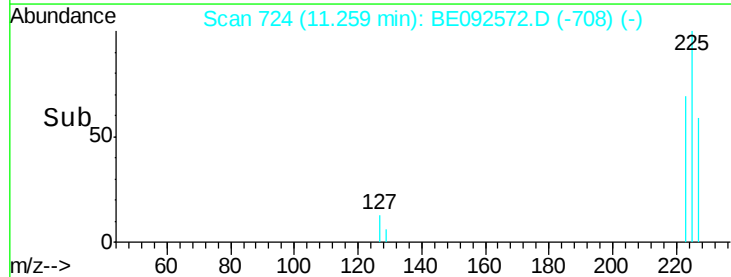
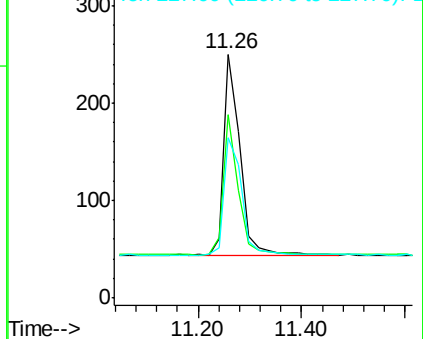
227 63.5 51.4 77.0



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: 0.38 ng

RT: 12.63 min Scan# 815

Delta R.T. -0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

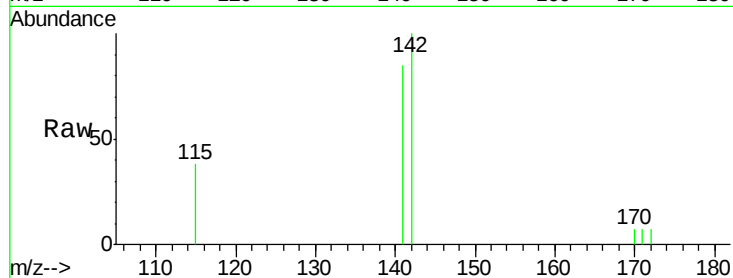
Tgt Ion:142 Resp: 1798

Ion Ratio Lower Upper

142 100

141 84.9 73.7 110.5

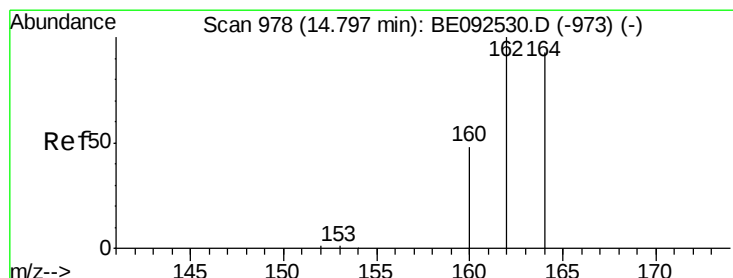
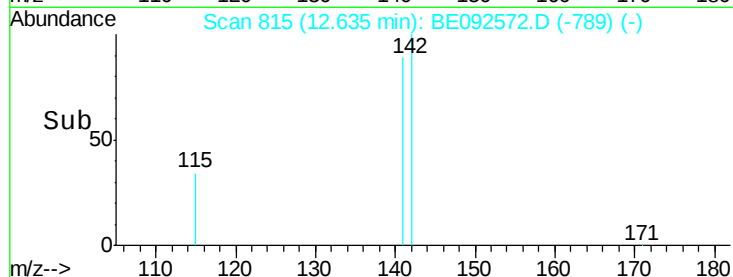
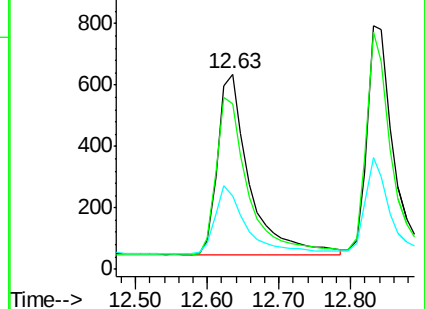
115 37.8 34.0 51.0



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: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

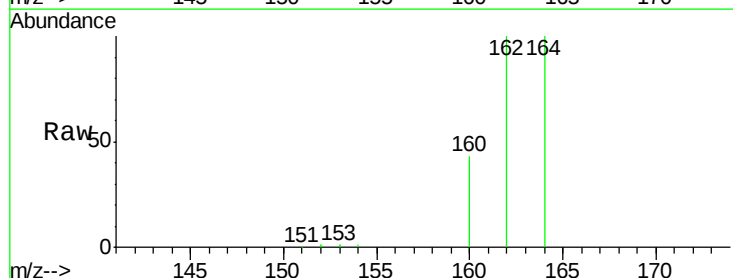
Tgt Ion:164 Resp: 25359

Ion Ratio Lower Upper

164 100

162 99.7 71.4 107.0

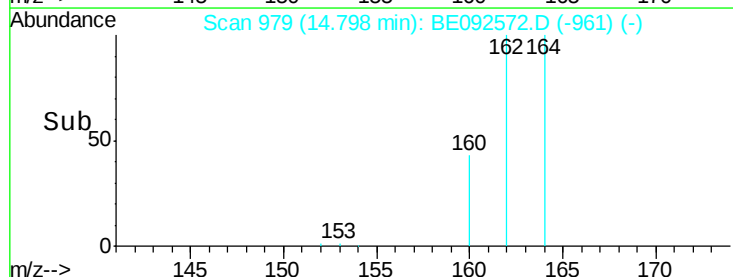
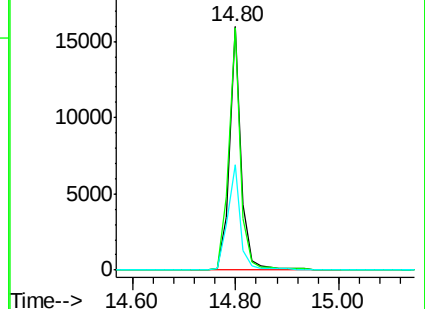
160 43.4 27.4 41.2#

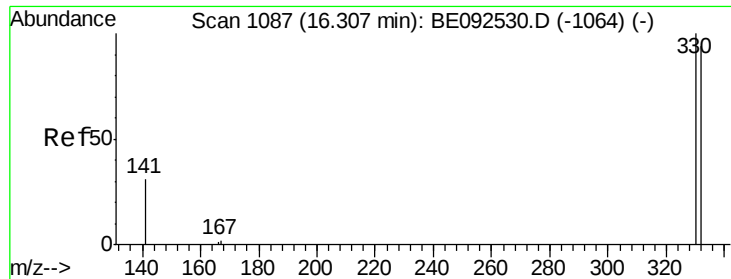


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

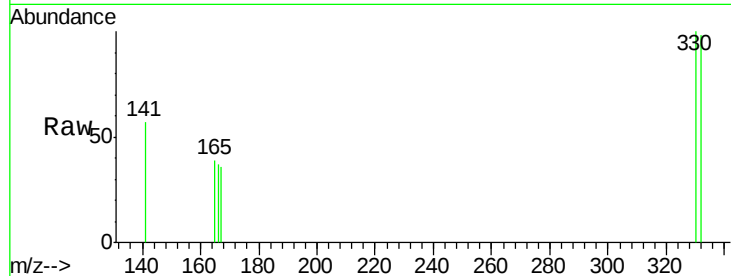




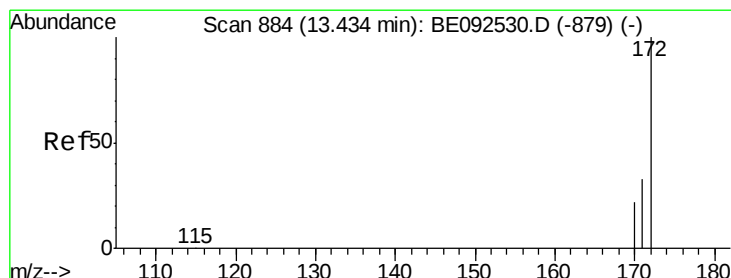
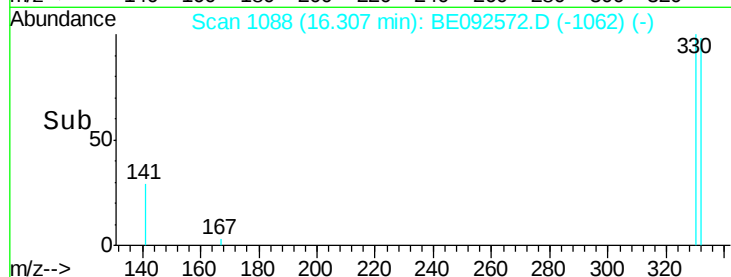
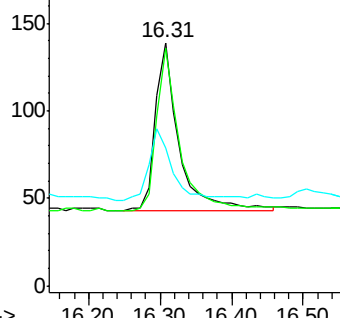
#13
 2,4,6-Tribromophenol
 Concen: 0.38 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: BE092572.D
 Acq: 23 Nov 2016 9:43

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion: 330 Resp: 219
 Ion Ratio Lower Upper
 330 100
 332 94.1 75.4 113.0
 141 40.6 31.0 46.6

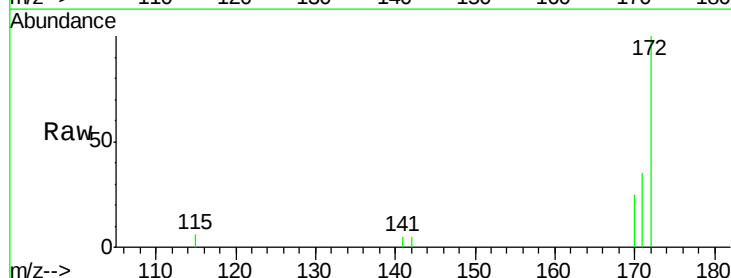


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

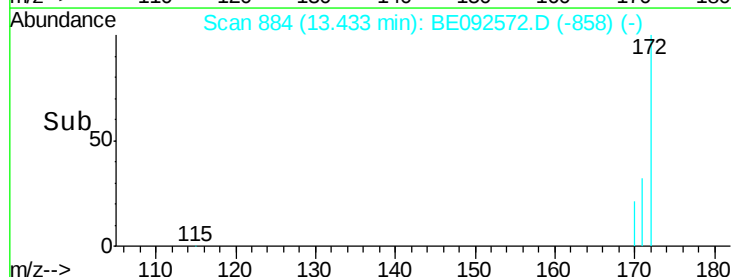
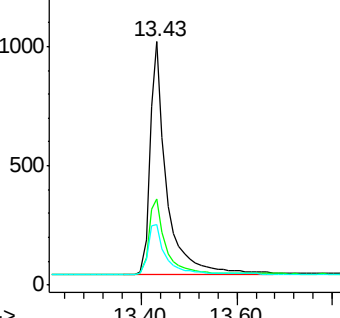


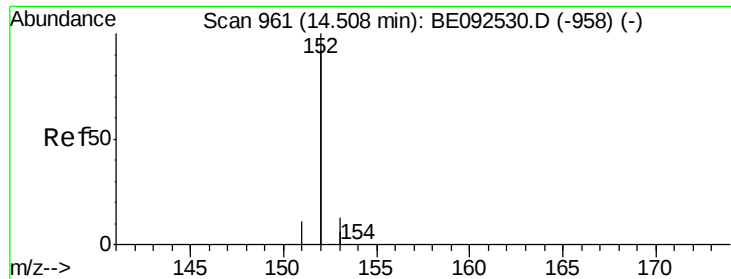
#14
 2-Fluorobiphenyl
 Concen: 0.38 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: BE092572.D
 Acq: 23 Nov 2016 9:43

Tgt Ion: 172 Resp: 2371
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.1 45.1
 170 24.6 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 0.38 ng

RT: 14.51 min Scan# 962

Delta R.T. 0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

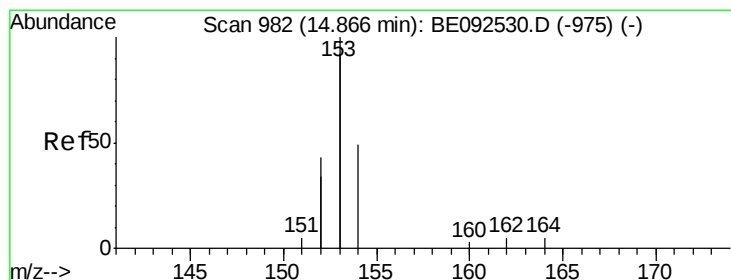
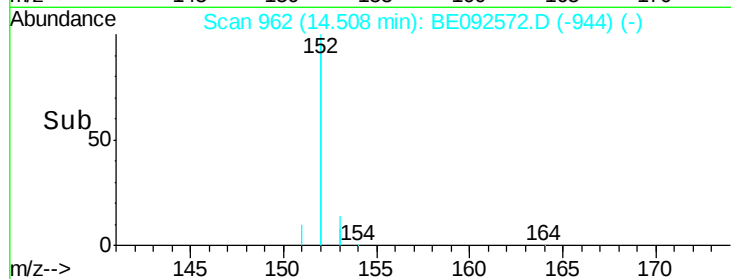
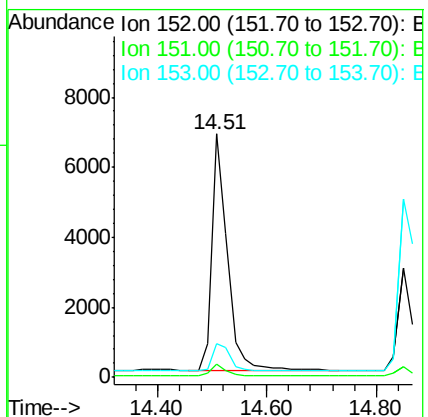
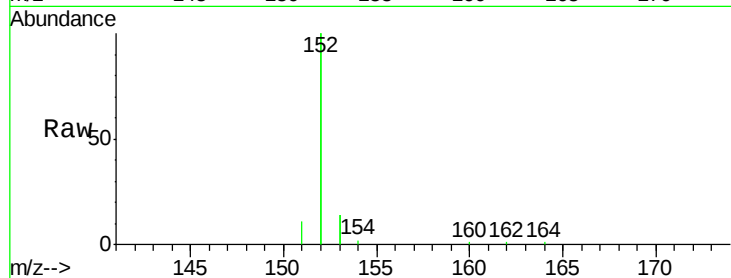
Tgt Ion:152 Resp: 13317

Ion Ratio Lower Upper

152 100

151 4.8 3.9 5.9

153 13.1 10.4 15.6



#16

Acenaphthene

Concen: 0.39 ng

RT: 14.87 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

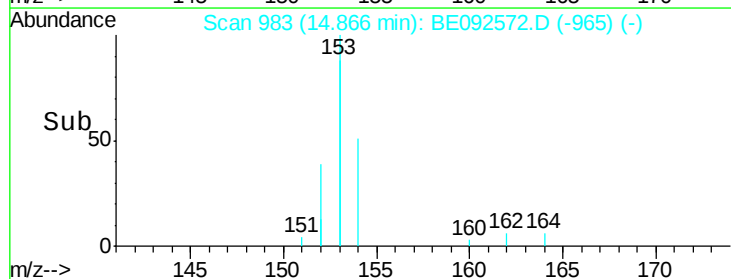
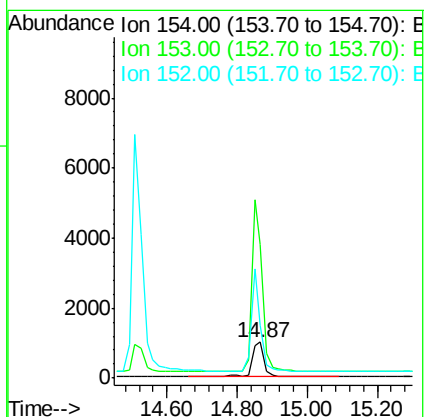
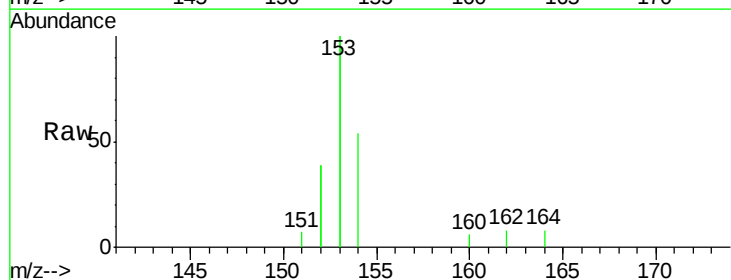
Tgt Ion:154 Resp: 2245

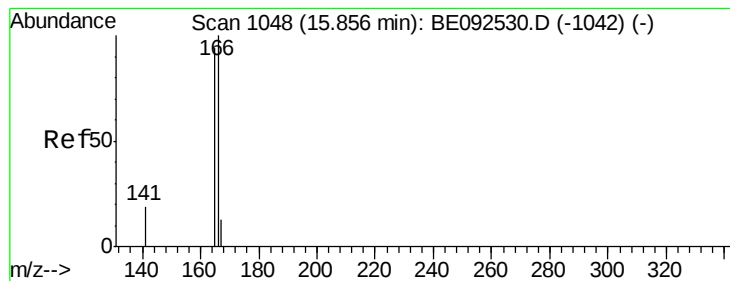
Ion Ratio Lower Upper

154 100

153 441.3 350.8 526.2

152 229.6 171.1 256.7





#17

Fluorene

Concen: 0.39 ng

RT: 15.86 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

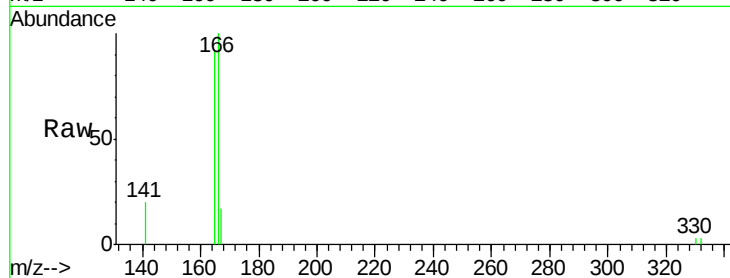
Tgt Ion:166 Resp: 2777

Ion Ratio Lower Upper

166 100

165 100.2 78.2 117.4

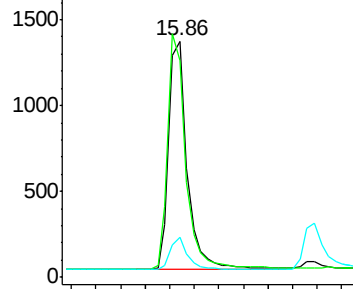
167 13.5 11.0 16.4



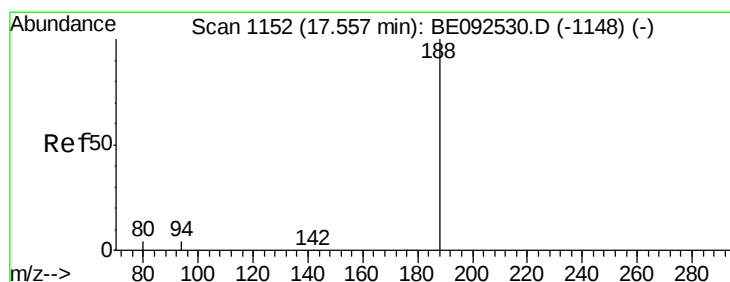
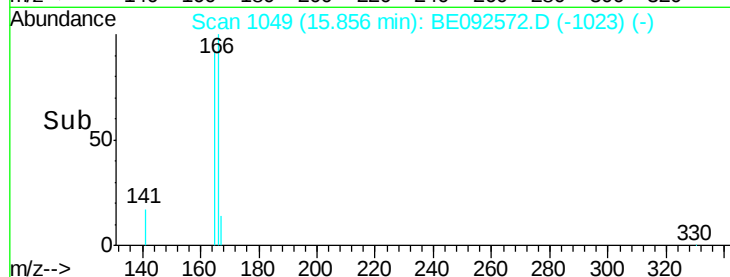
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

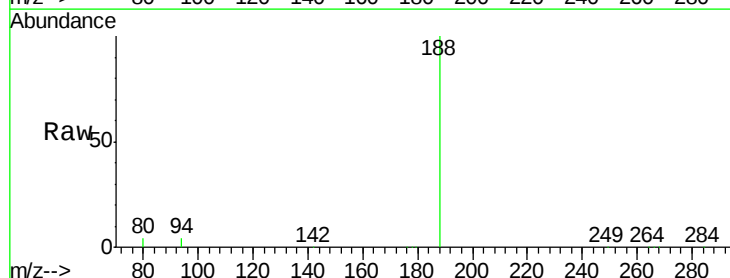
Tgt Ion:188 Resp: 56742

Ion Ratio Lower Upper

188 100

94 4.0 3.2 4.8

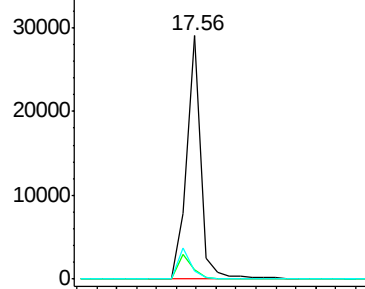
80 3.5 2.6 3.8



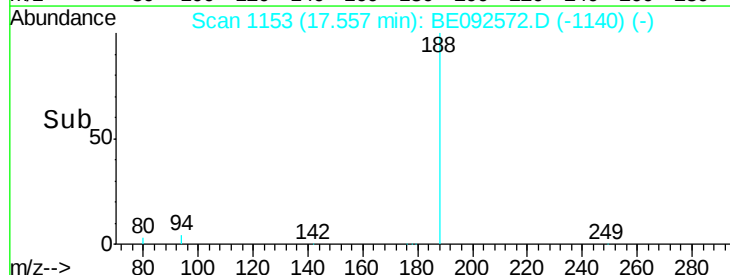
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->

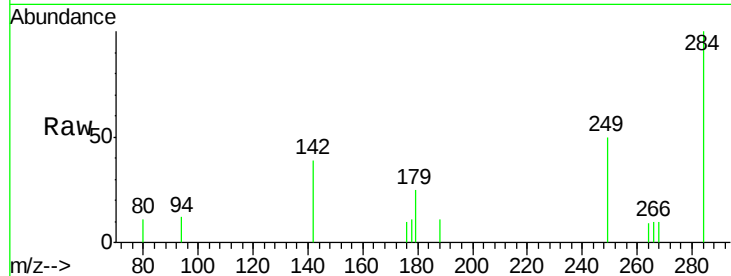




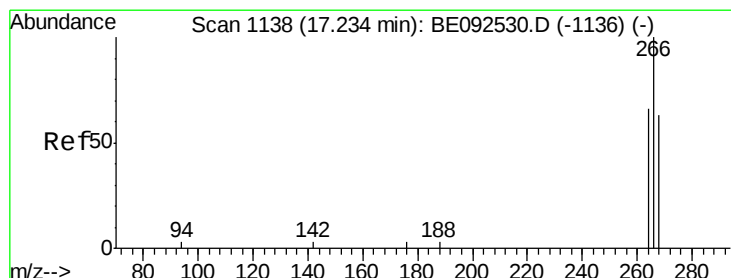
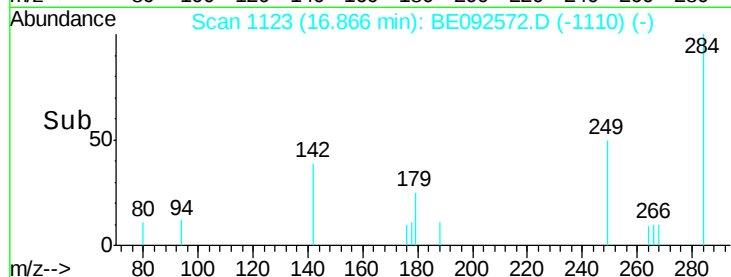
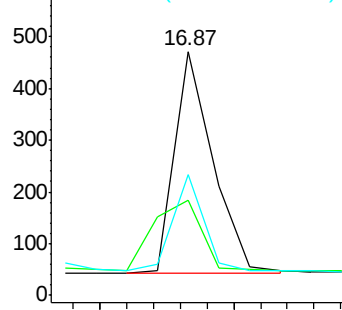
#19
Hexachlorobenzene
Concen: 0.38 ng m
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092572.D
Acq: 23 Nov 2016 9:43

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 284 Resp: 849
Ion Ratio Lower Upper
284 100
142 56.5 29.1 43.7#
249 57.5 27.9 41.9#

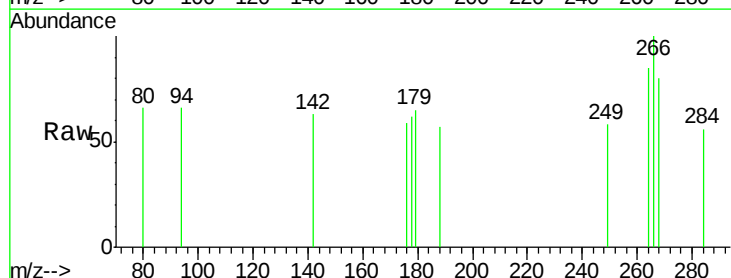


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

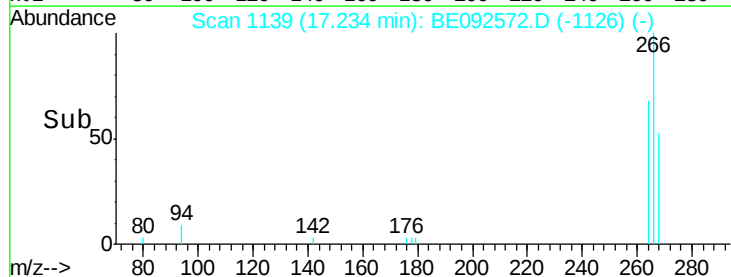
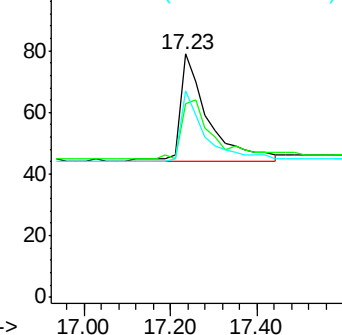


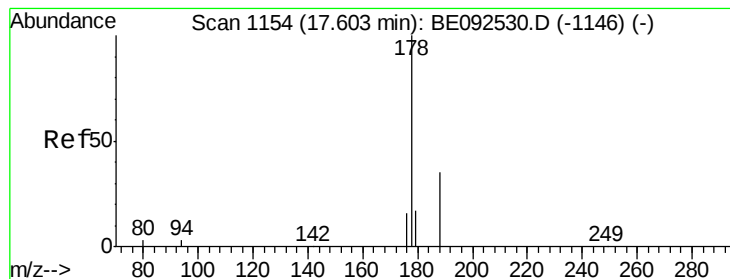
#20
Pentachlorophenol
Concen: 0.46 ng
RT: 17.23 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BE092572.D
Acq: 23 Nov 2016 9:43

Tgt Ion: 266 Resp: 159
Ion Ratio Lower Upper
266 100
268 79.7 62.5 93.7
264 84.8 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: 0.40 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

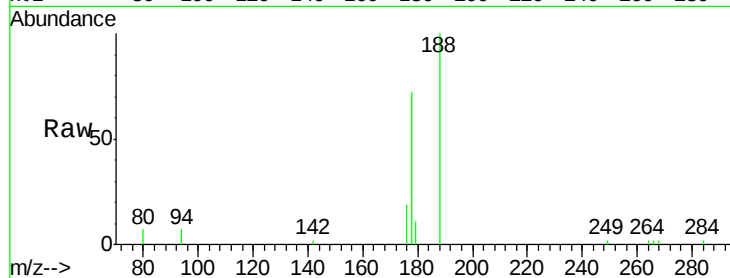
Tgt Ion:178 Resp: 5054

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

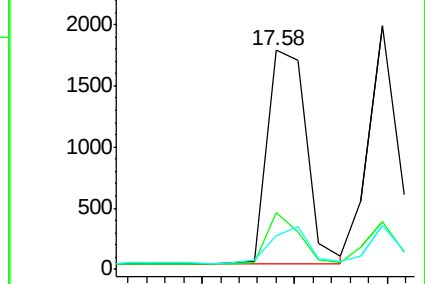
179 0.0 16.0 24.0#



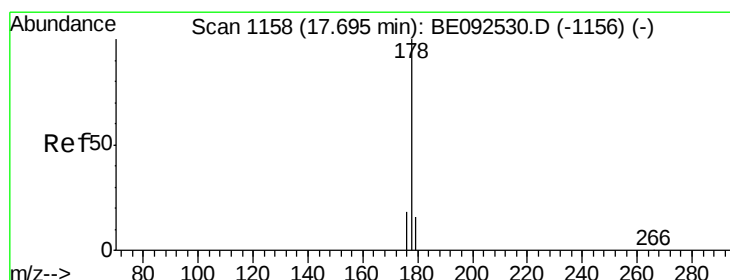
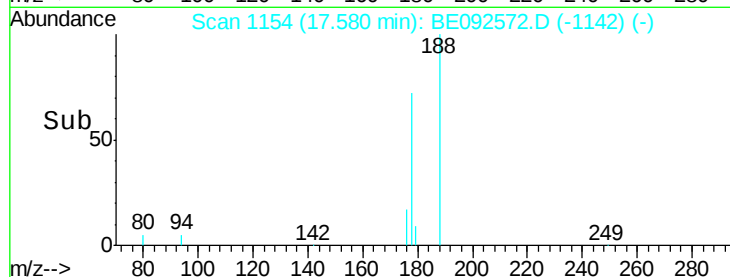
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#22

Anthracene

Concen: 0.39 ng

RT: 17.70 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

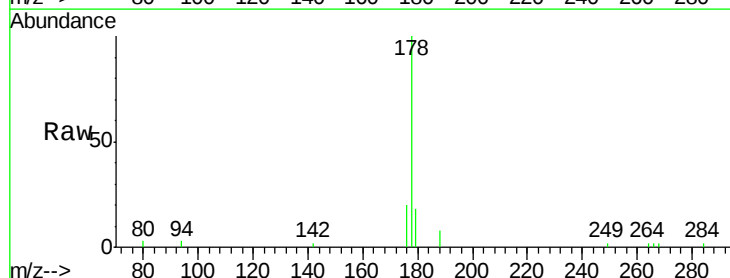
Tgt Ion:178 Resp: 4649

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

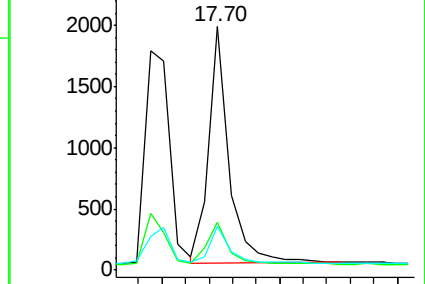
179 15.7 12.2 18.2



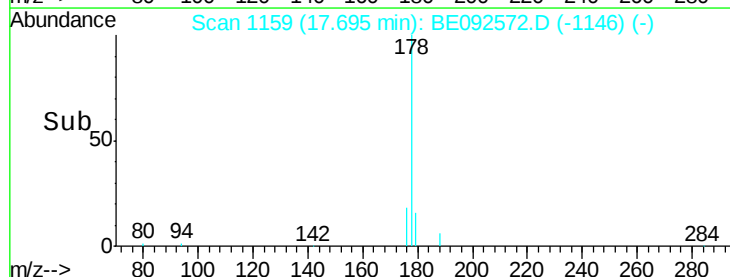
Abundance Ion 178.00 (177.70 to 178.70): E

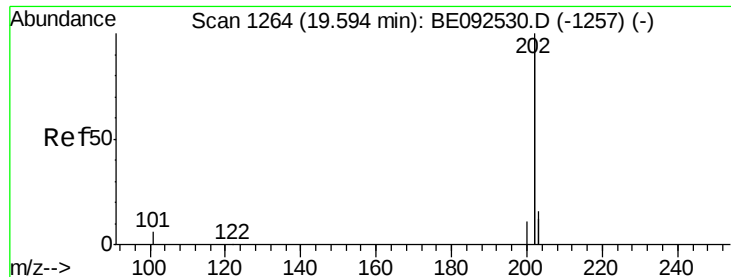
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

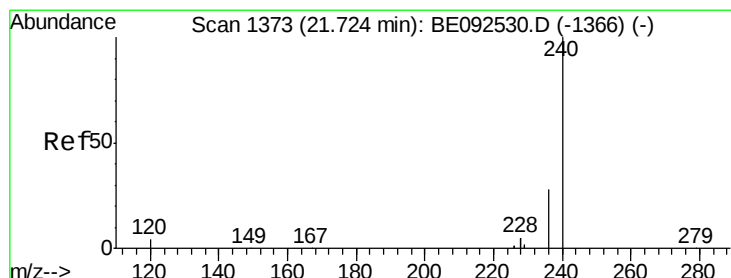
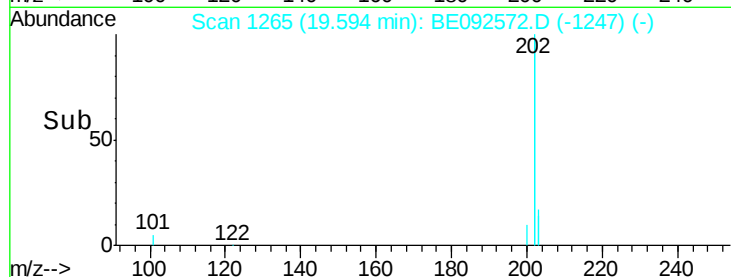
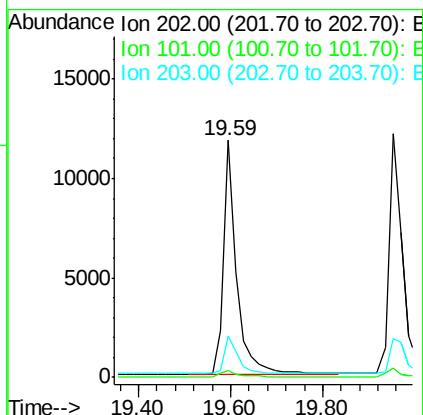
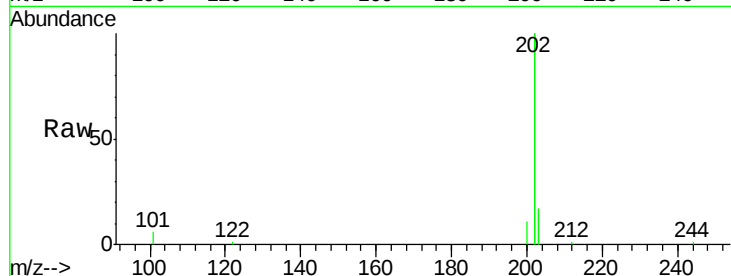




#23
 Fluoranthene
 Concen: 0.40 ng
 RT: 19.59 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: BE092572.D
 Acq: 23 Nov 2016 9:43

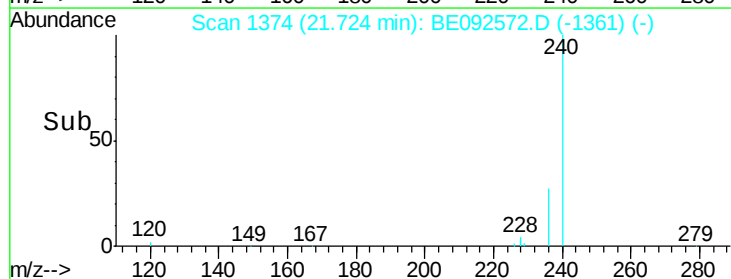
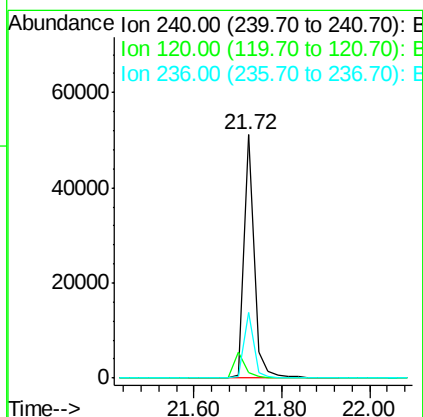
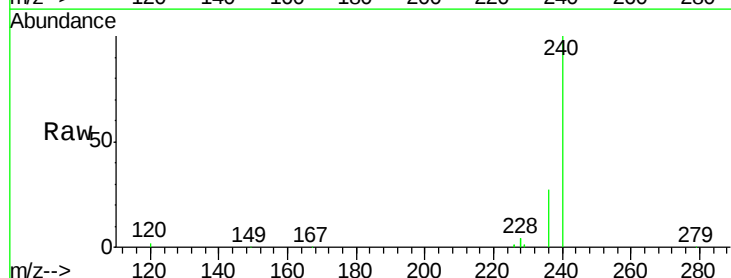
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion: 202 Resp: 23530
 Ion Ratio Lower Upper
 202 100
 101 2.8 2.2 3.4
 203 17.4 13.7 20.5



#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092572.D
 Acq: 23 Nov 2016 9:43

Tgt Ion: 240 Resp: 81679
 Ion Ratio Lower Upper
 240 100
 120 2.3 2.6 4.0#
 236 27.2 24.6 37.0





#25

Pyrene

Concen: 0.38 ng

RT: 19.95 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

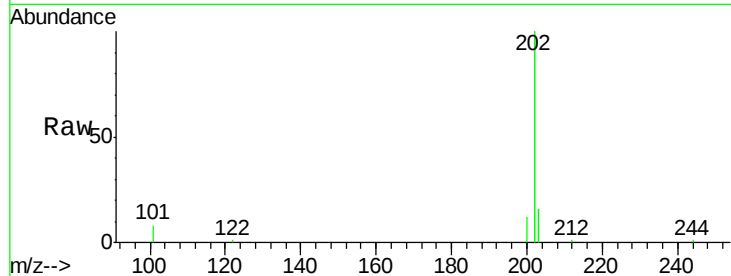
Tgt Ion:202 Resp: 24371

Ion Ratio Lower Upper

202 100

200 5.2 4.2 6.4

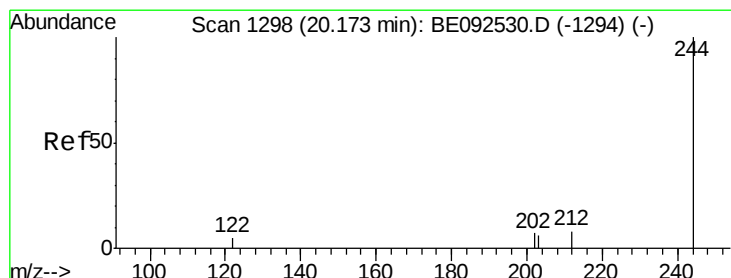
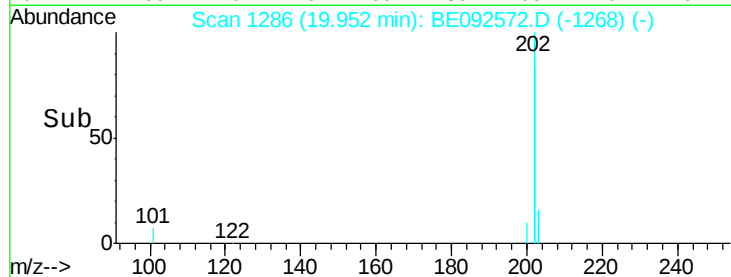
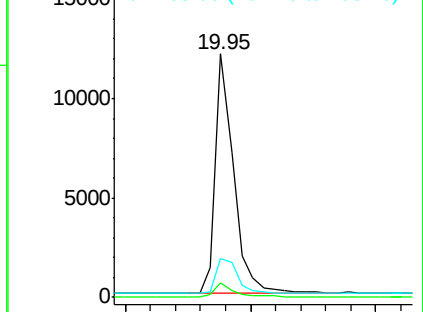
203 17.5 13.9 20.9



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: 20.17 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

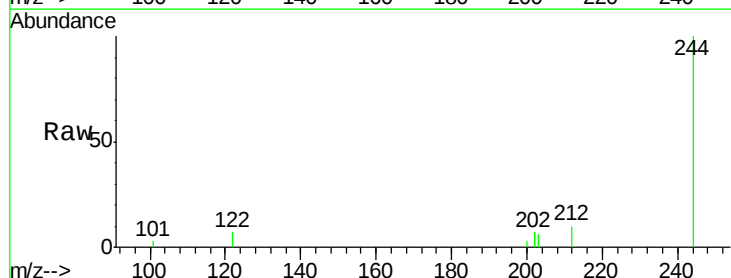
Tgt Ion:244 Resp: 3508

Ion Ratio Lower Upper

244 100

212 9.9 6.7 10.1

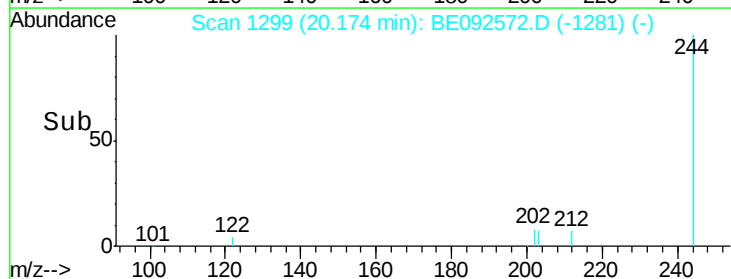
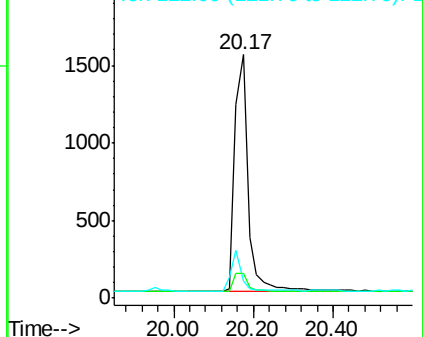
122 7.1 3.6 5.4#

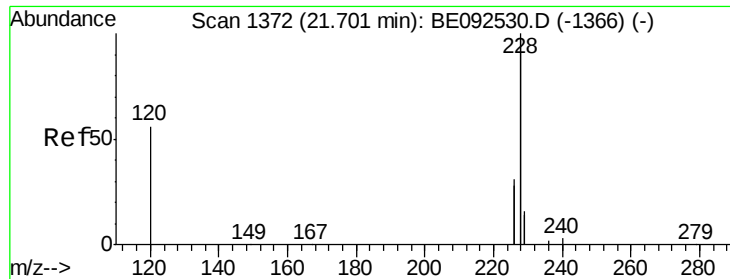


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

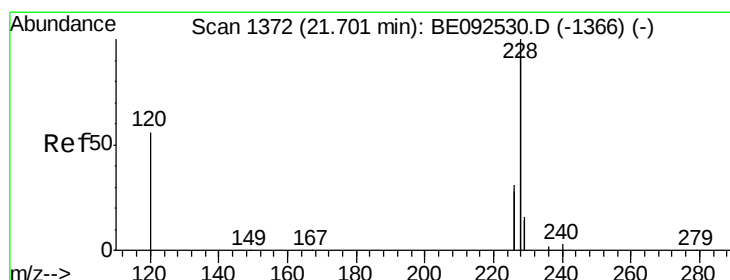
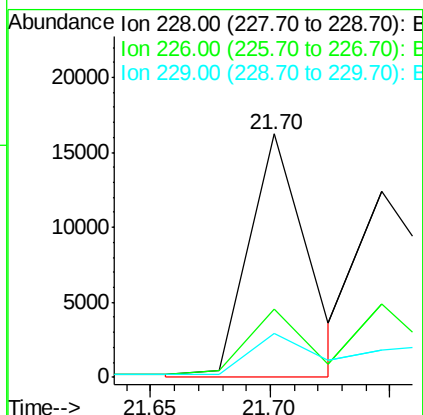
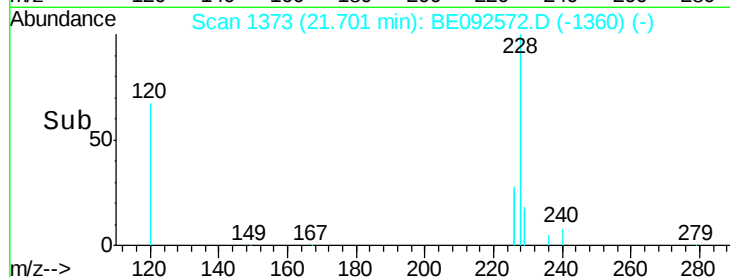
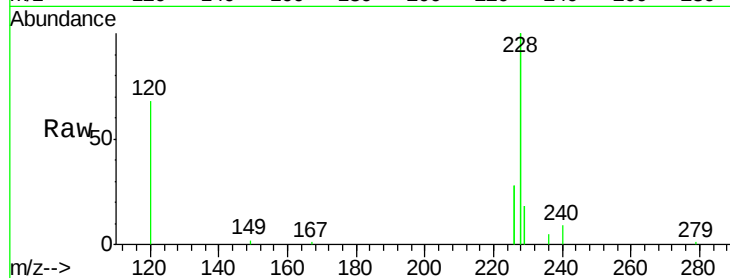




#27
Benzo(a)anthracene
Concen: 0.45 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092572.D
Acq: 23 Nov 2016 9:43

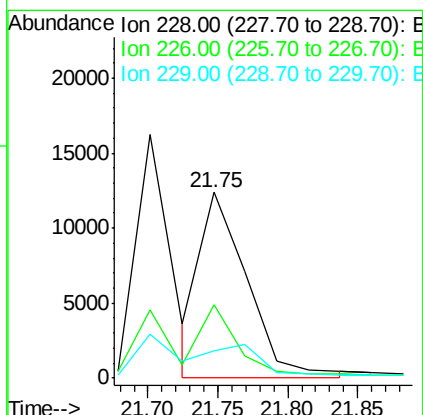
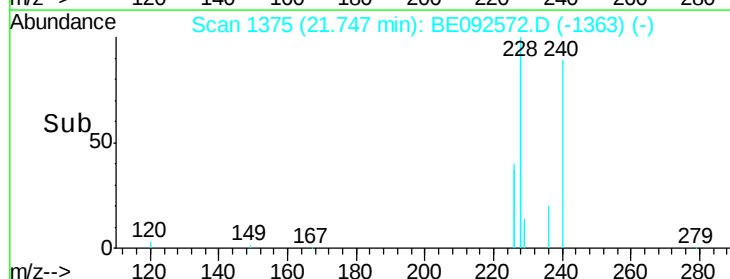
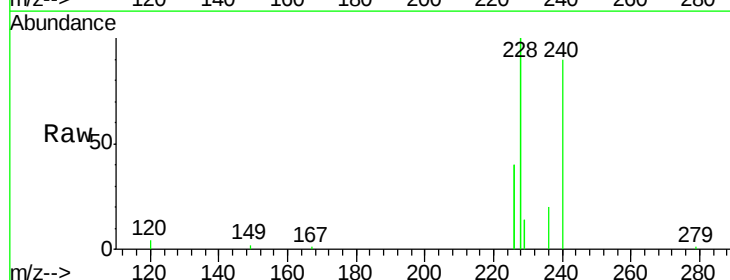
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 27556
Ion Ratio Lower Upper
228 100
226 27.8 23.6 35.4
229 18.3 13.3 19.9



#28
Chrysene
Concen: 0.42 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092572.D
Acq: 23 Nov 2016 9:43

Tgt Ion:228 Resp: 29276
Ion Ratio Lower Upper
228 100
226 39.9 36.3 54.5
229 14.4 10.6 16.0

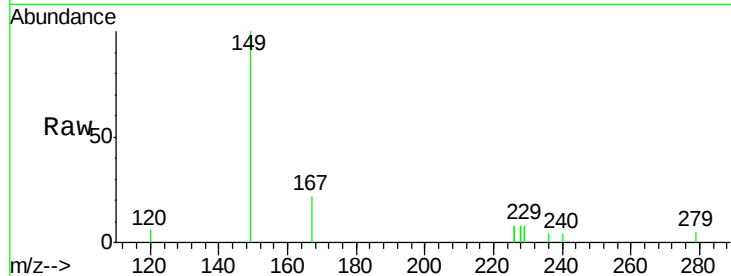




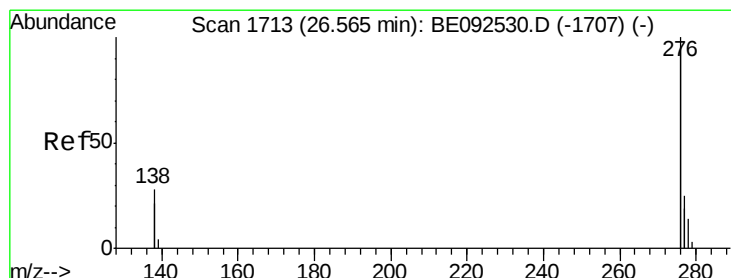
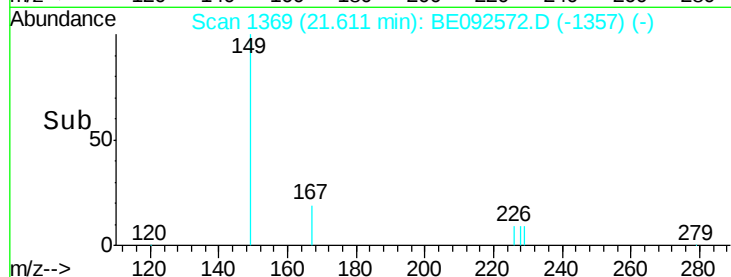
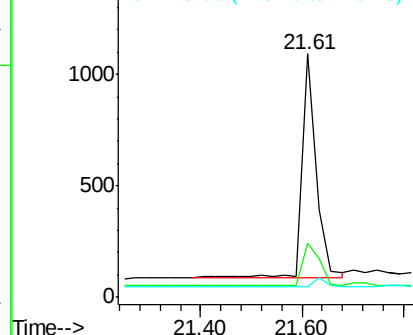
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.47 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. -0.02 min
 Lab File: BE092572.D
 Acq: 23 Nov 2016 9:43

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion: 149 Resp: 1895
 Ion Ratio Lower Upper
 149 100
 167 22.8 16.0 24.0
 279 0.0 16.0 24.0#

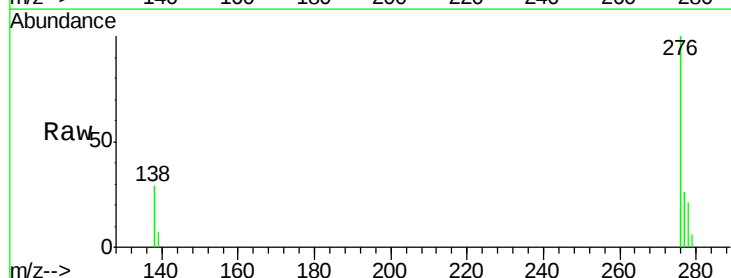


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

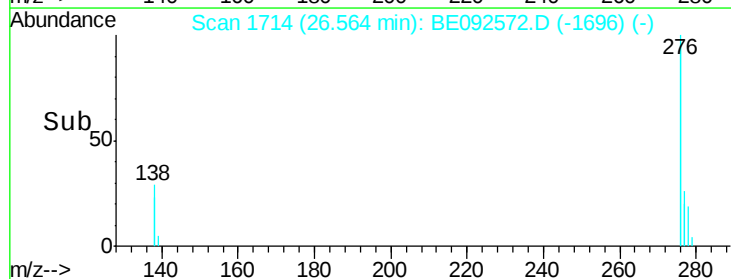
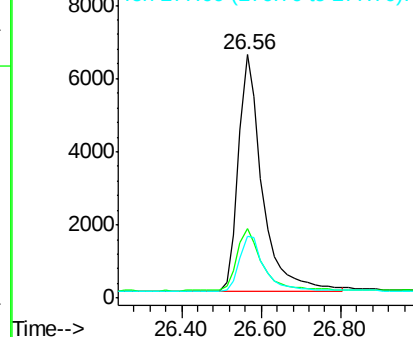


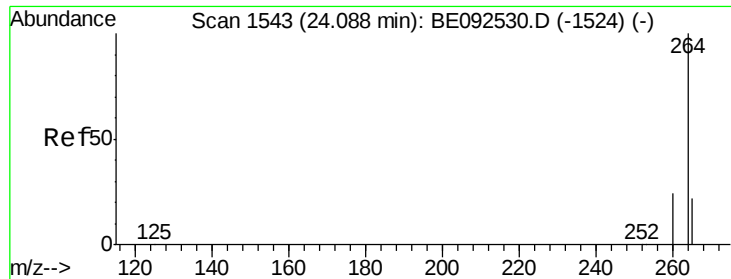
#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.40 ng
 RT: 26.56 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: BE092572.D
 Acq: 23 Nov 2016 9:43

Tgt Ion: 276 Resp: 27048
 Ion Ratio Lower Upper
 276 100
 138 27.9 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

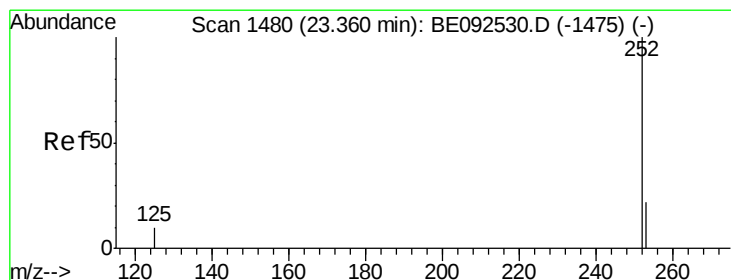
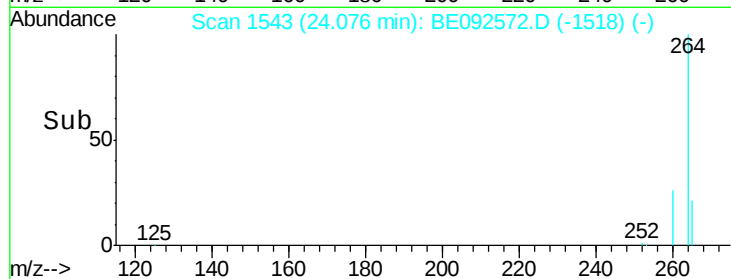
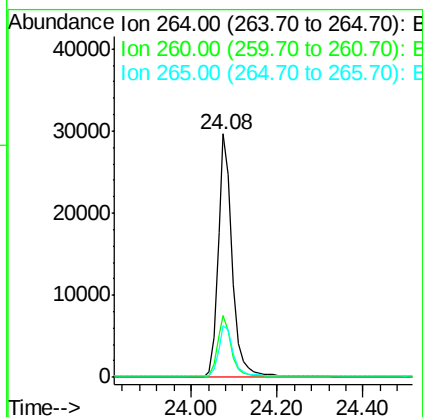
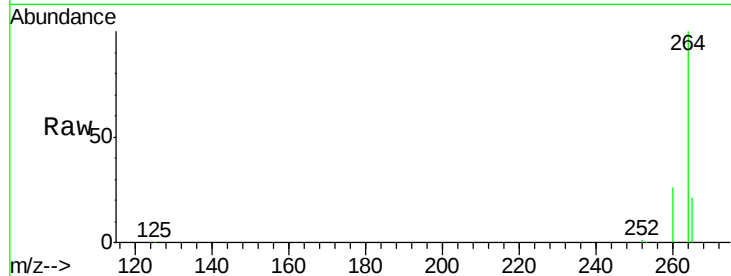




#31
Perylene-d12
 Concen: 5.00 ng
 RT: 24.08 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BE092572.D
 Acq: 23 Nov 2016 9:43

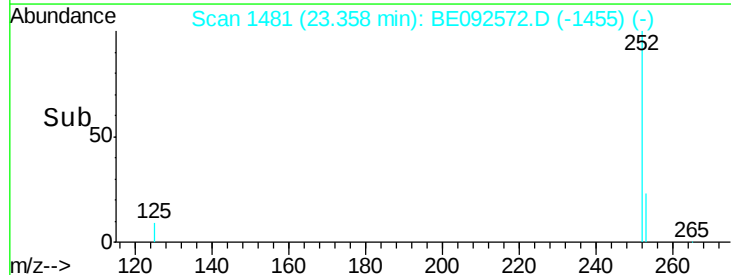
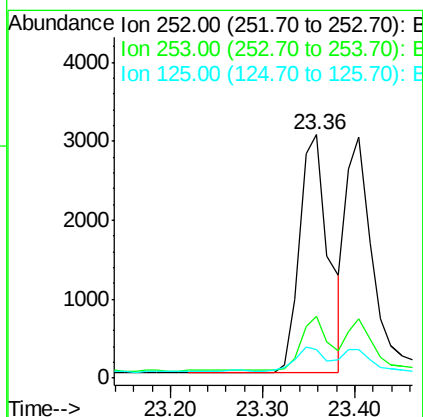
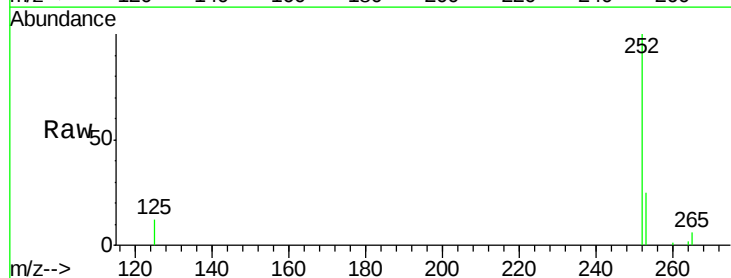
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion: 264 Resp: 68951
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.1 30.1
 265 21.3 17.9 26.9



#32
Benzo(b)fluoranthene
 Concen: 0.40 ng
 RT: 23.36 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BE092572.D
 Acq: 23 Nov 2016 9:43

Tgt Ion: 252 Resp: 6646
 Ion Ratio Lower Upper
 252 100
 253 25.3 18.7 28.1
 125 11.8 10.5 15.7





#33

Benzo(k)fluoranthene

Concen: 0.36 ng

RT: 23.40 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

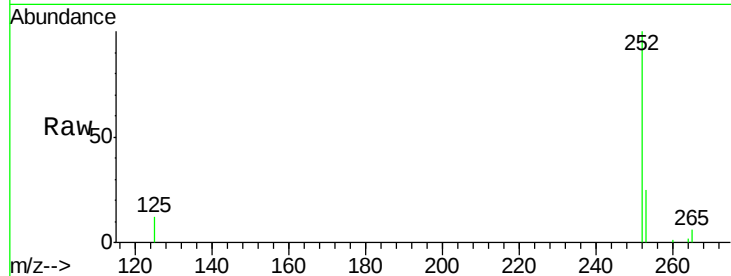
Tgt Ion:252 Resp: 6296

Ion Ratio Lower Upper

252 100

253 24.6 20.3 30.5

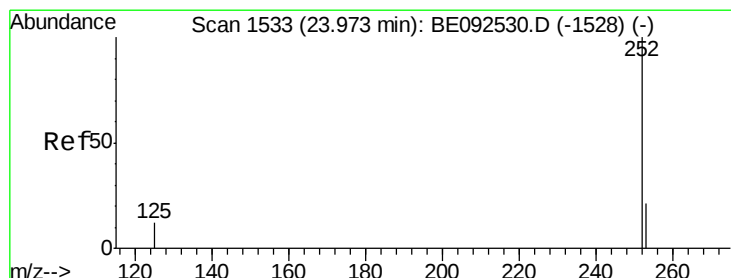
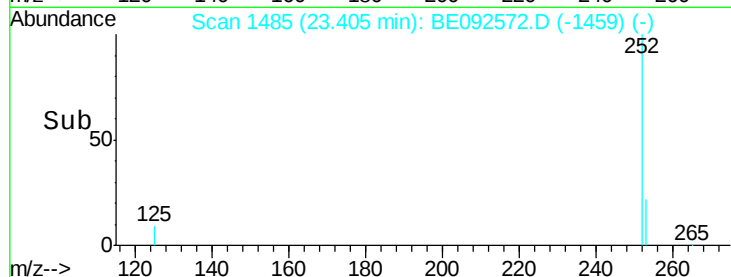
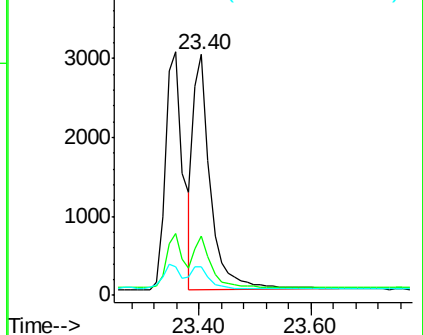
125 11.8 9.6 14.4



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: 0.37 ng

RT: 23.97 min Scan# 1534

Delta R.T. -0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

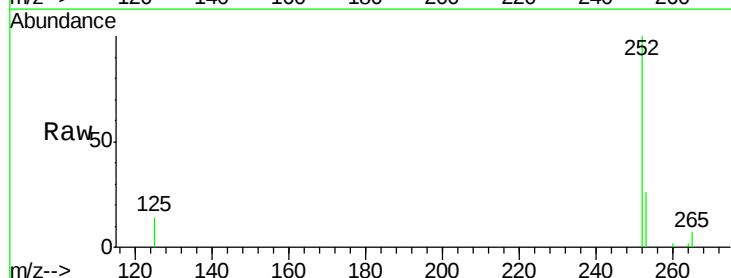
Tgt Ion:252 Resp: 5700

Ion Ratio Lower Upper

252 100

253 25.6 19.0 28.6

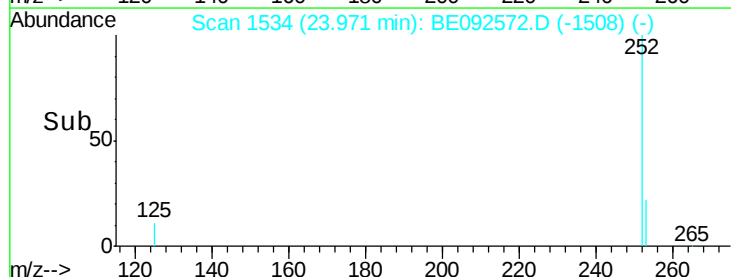
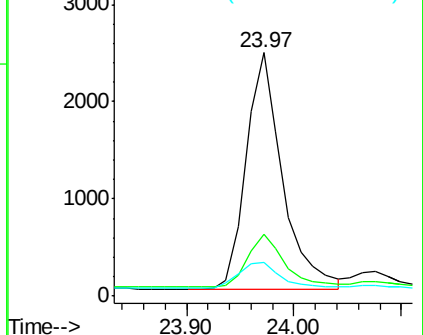
125 13.9 11.8 17.8

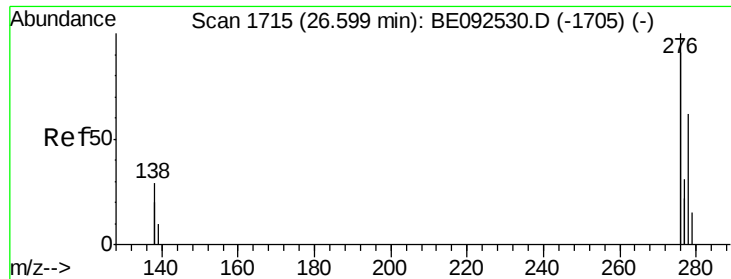


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 0.36 ng

RT: 26.58 min Scan# 1715

Delta R.T. -0.02 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

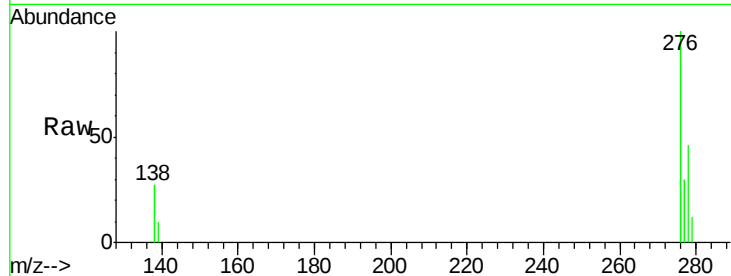
Tgt Ion: 278 Resp: 5482

Ion Ratio Lower Upper

278 100

139 21.8 13.8 20.8#

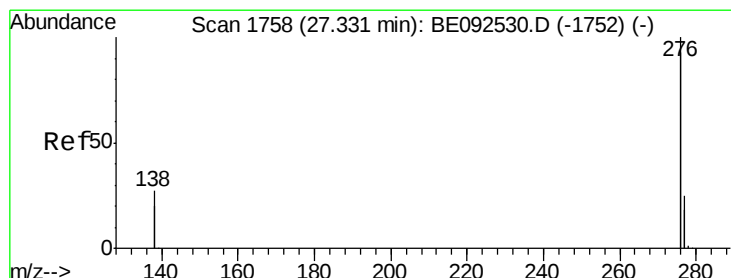
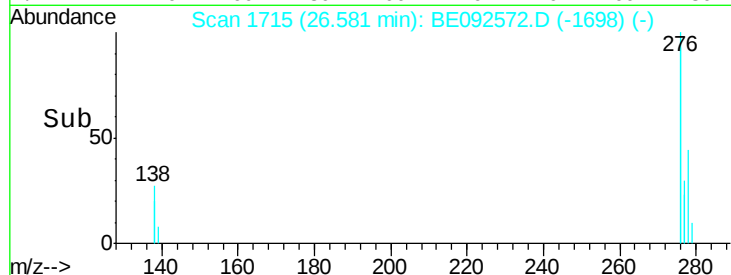
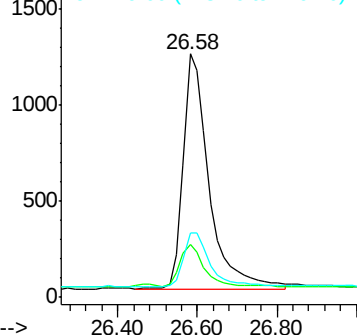
279 26.4 21.4 32.2



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: 0.36 ng

RT: 27.33 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BE092572.D

Acq: 23 Nov 2016 9:43

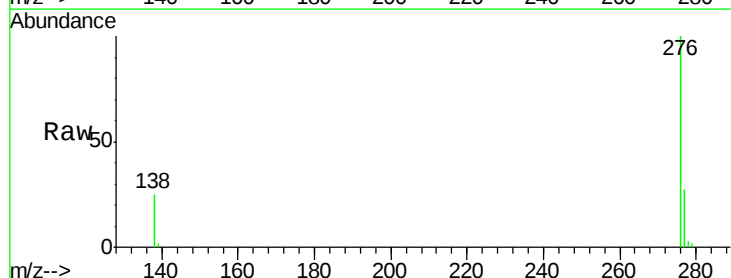
Tgt Ion: 276 Resp: 23567

Ion Ratio Lower Upper

276 100

277 27.1 19.8 29.8

138 25.5 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

