

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012517\
 Data File : BE092686.D
 Acq On : 25 Jan 2017 16:30
 Operator : SJ/MA
 Sample : I1378-07 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RVE-8

Quant Time: Jan 25 17:54:04 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	10851	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	55543	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	35832	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	73779	5.00	ng	0.00
24) Chrysene-d12	21.72	240	64772	5.00	ng	0.00
31) Perylene-d12	24.07	264	71625	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	184	0.08	ng	0.04
5) Phenol-d6	7.40	99	211	0.07	ng	0.07
8) Nitrobenzene-d5	0.00	82	0	0.00	ng	
13) 2,4,6-Tribromophenol	16.34	330	78	0.20	ng	0.05
14) 2-Fluorobiphenyl	13.43	172	475	0.05	ng	0.01
26) Terphenyl-d14	20.16	244	649	0.07	ng	0.00

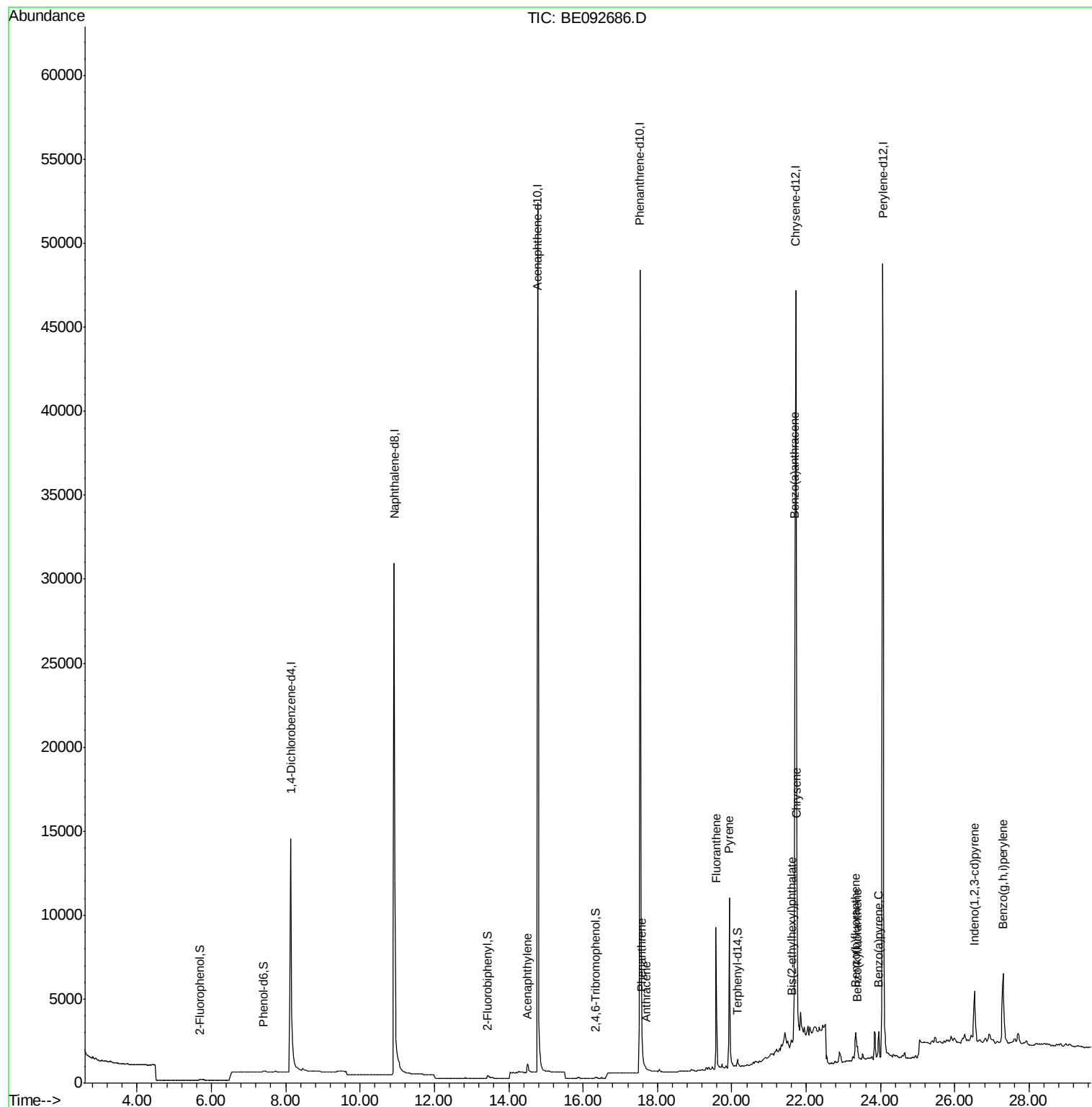
Target Compounds						Qvalue
15) Acenaphthylene	14.51	152	1449	0.03	ng	97
21) Phenanthrene	17.58	178	716	0.04	ng	# 91
22) Anthracene	17.70	178	393	0.03	ng	# 61
23) Fluoranthene	19.58	202	11534	0.16	ng	99
25) Pyrene	19.94	202	14956	0.23	ng	# 87
27) Benzo(a)anthracene	21.70	228	12256m	0.19	ng	
28) Chrysene	21.75	228	10275m	0.14	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	1373	0.31	ng	# 79
30) Indeno(1,2,3-cd)pyrene	26.53	276	6418	0.08	ng	98
32) Benzo(b)fluoranthene	23.34	252	3076m	0.18	ng	
33) Benzo(k)fluoranthene	23.38	252	1031m	0.06	ng	
34) Benzo(a)pyrene	23.95	252	2506	0.15	ng	# 56
36) Benzo(a,h,i)perylene	27.30	276	10495	0.16	ng	# 74

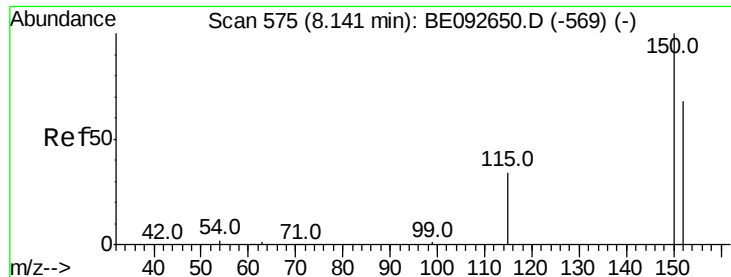
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Instrument :

BNA_E

ClientSampleId :

RVE-8

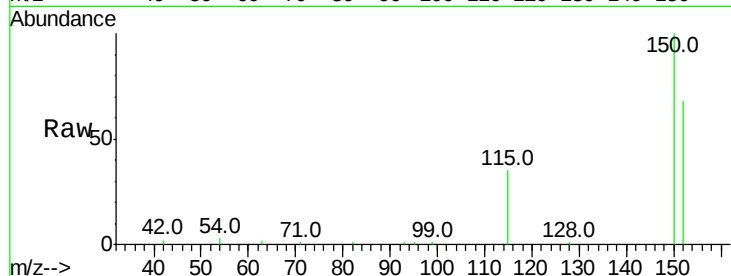
Tot Ion:152 Resp: 10851

Ion Ratio Lower Upper

152 100

150 146.5 106.0 159.0

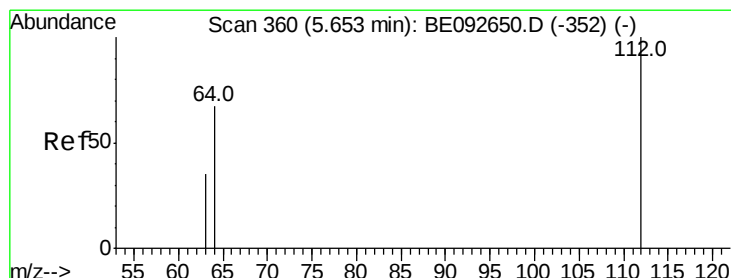
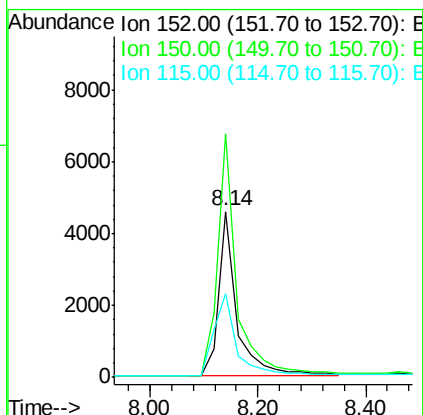
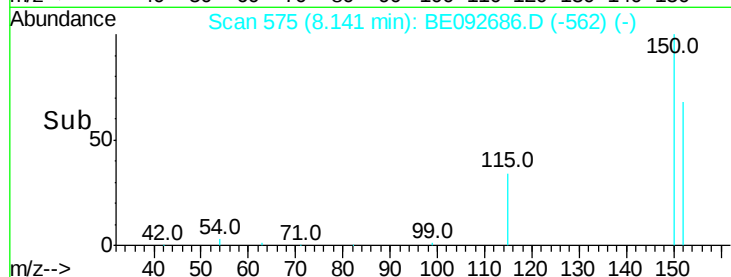
115 50.6 31.2 46.8#



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



#4

2-Fluorophenol

Concen: 0.08 ng

RT: 5.69 min Scan# 367

Delta R.T. 0.04 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

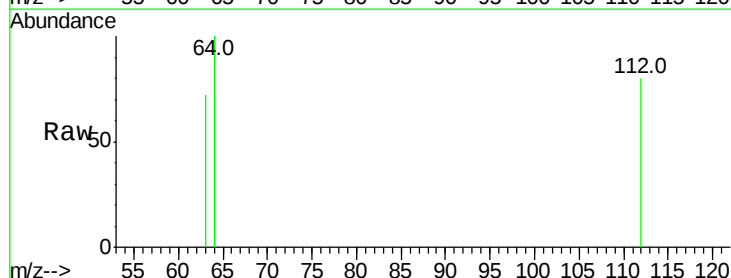
Tgt Ion:112 Resp: 184

Ion Ratio Lower Upper

112 100

64 54.3 53.5 80.3

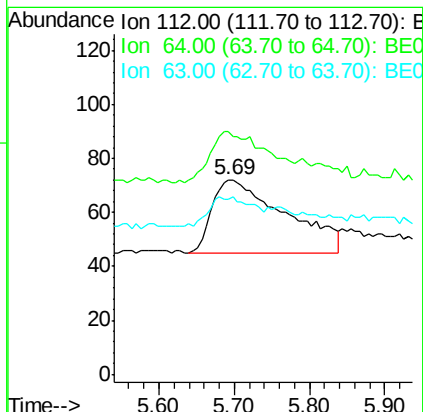
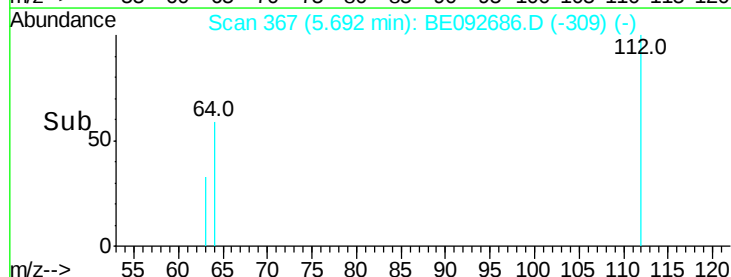
63 23.4 27.9 41.9#

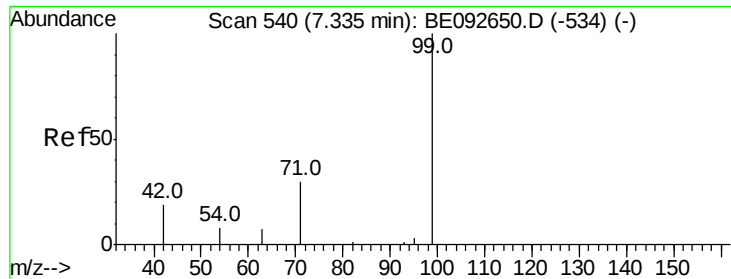


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.07 ng

RT: 7.40 min Scan# 543

Delta R.T. 0.07 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Instrument :

BNA_E

ClientSampled :

RVE-8

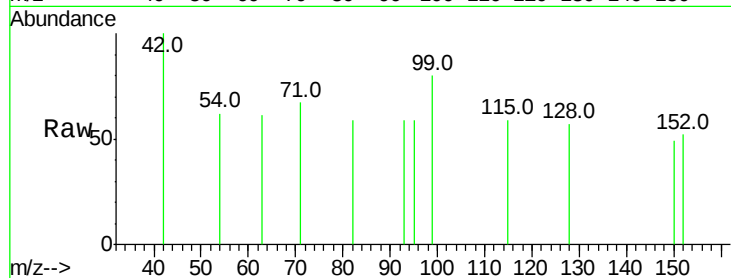
Tot Ion: 99 Resp: 211

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

71 28.9 30.6 45.8#

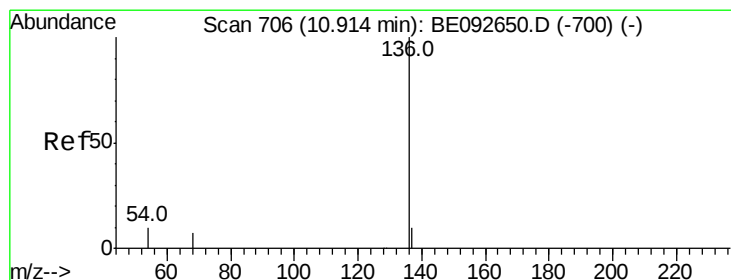
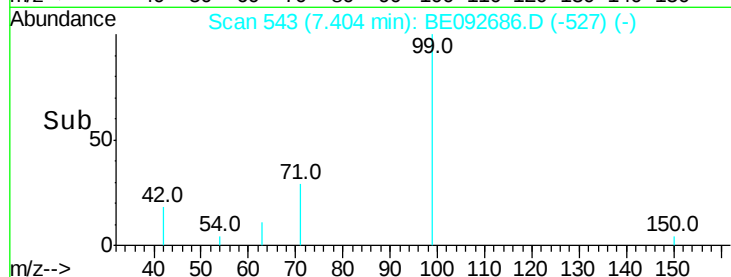
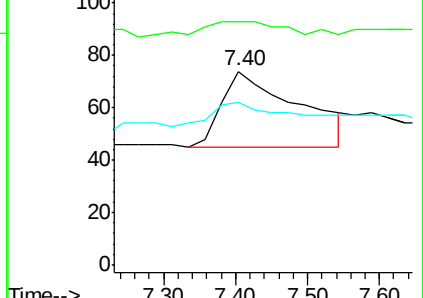


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

7.40



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Tgt Ion: 136 Resp: 55543

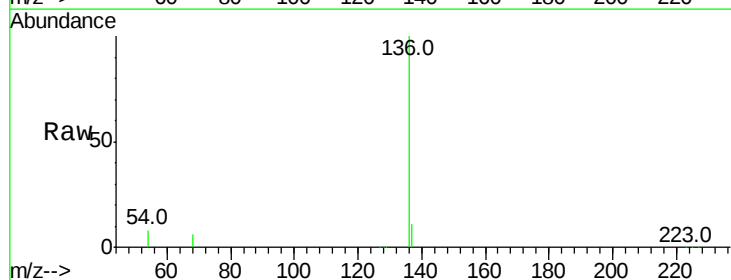
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.4

54 8.2 9.6 14.4#

68 5.9 6.7 10.1#

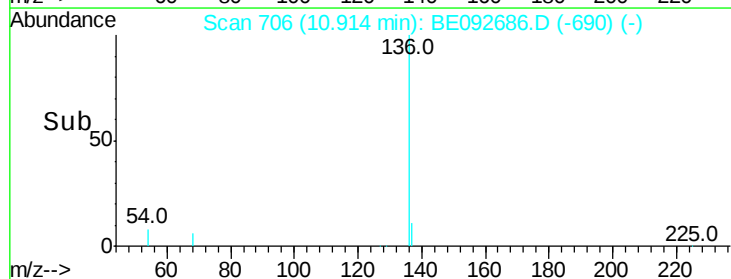
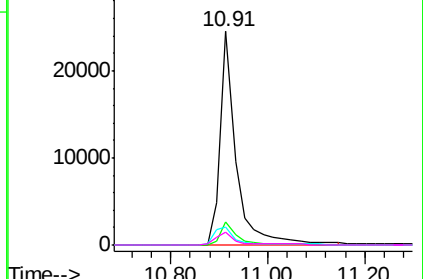


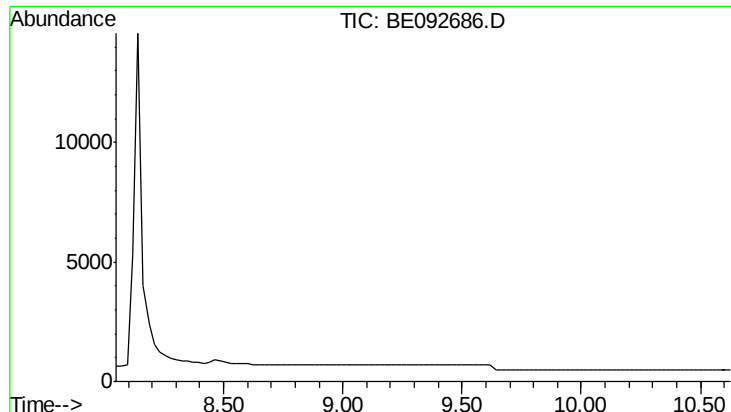
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.00 ng

Expected RT: 9.34 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Instrument :

BNA_E

ClientSampleId :

RVE-8

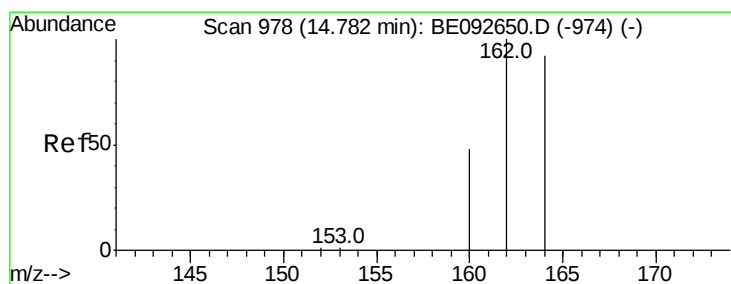
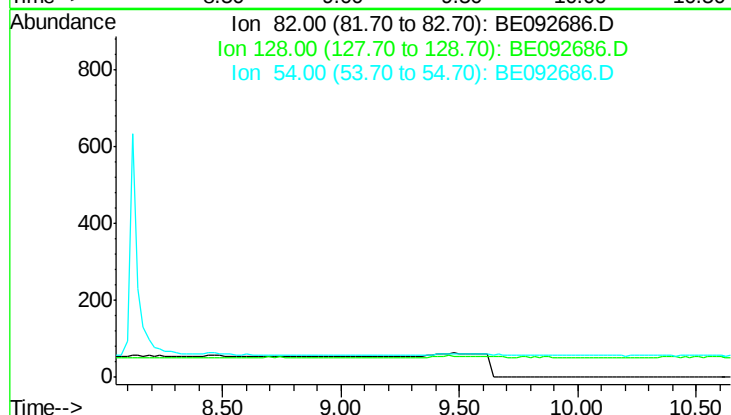
Tot Ion: 82

Sig Exp Ratio

82 100

128 48.7

54 56.0



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. -0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

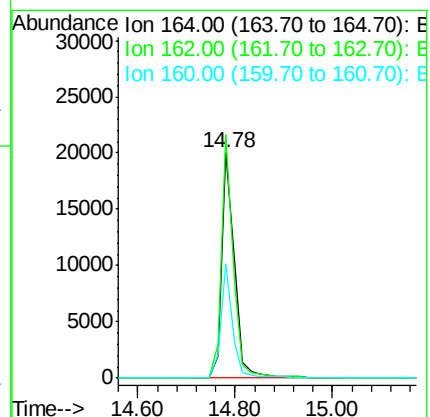
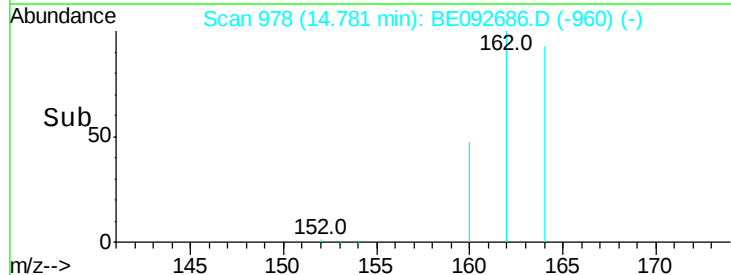
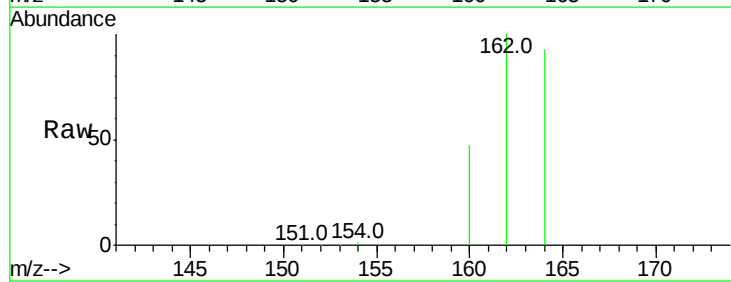
Tgt Ion:164 Resp: 35832

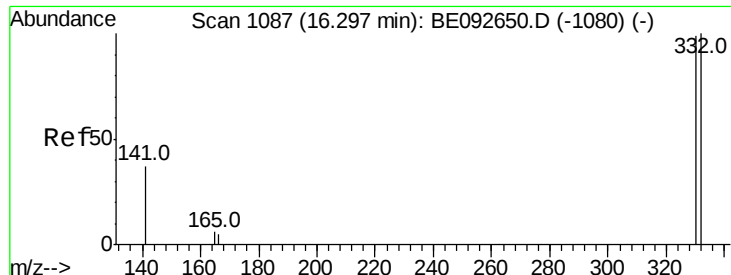
Ion Ratio Lower Upper

164 100

162 108.0 71.4 107.0#

160 50.7 27.4 41.2#

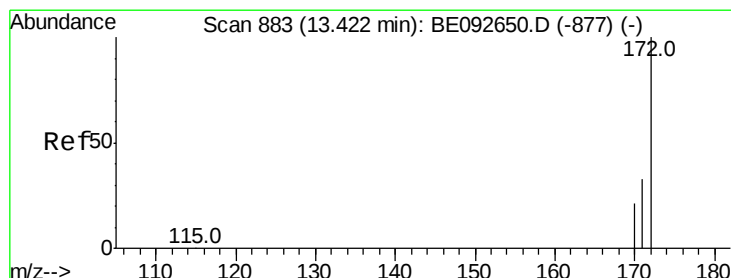
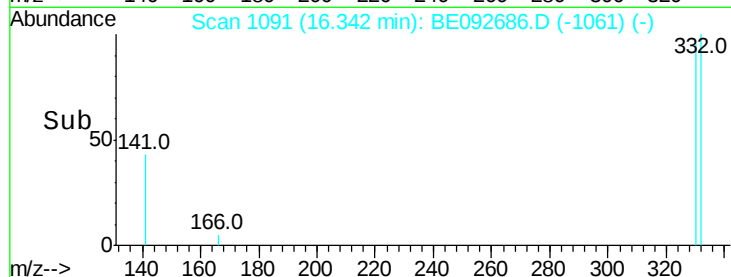
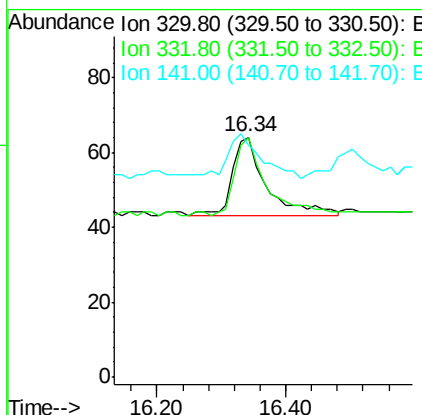
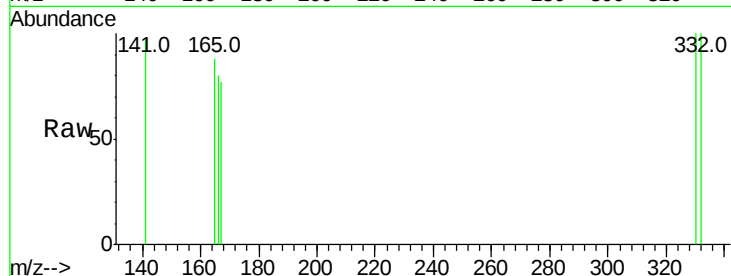




#13
 2,4,6-Tribromophenol
 Concen: 0.20 ng
 RT: 16.34 min Scan# 1091
 Delta R.T. 0.05 min
 Lab File: BE092686.D
 Acq: 25 Jan 2017 16:30

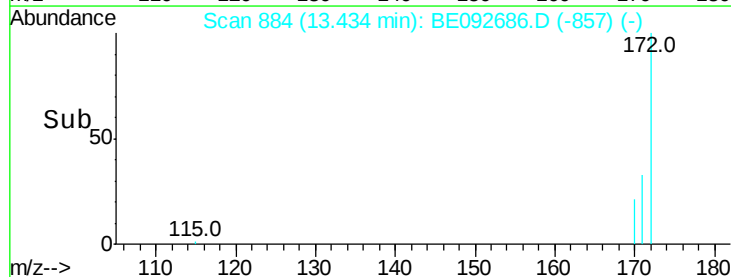
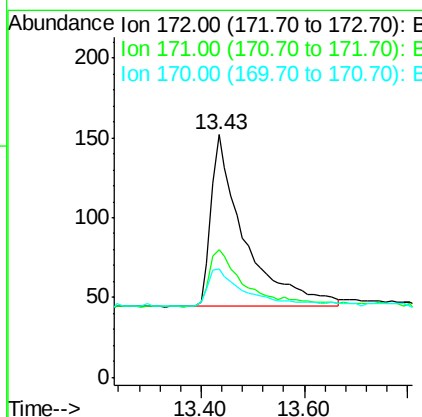
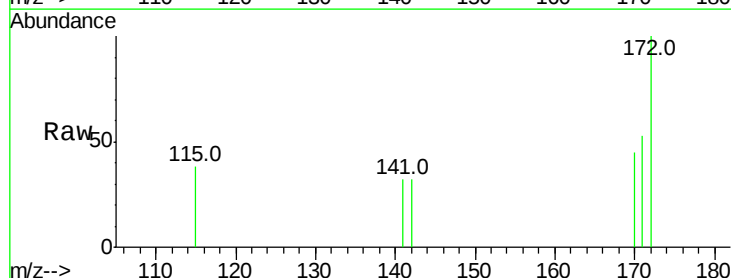
Instrument :
 BNA_E
 ClientSampleId :
 RVE-8

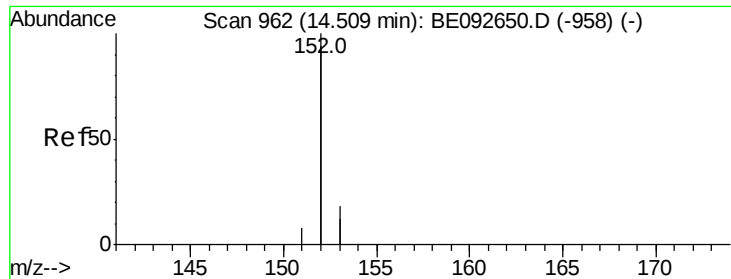
Tot Ion:330 Resp: 78
 Ion Ratio Lower Upper
 330 100
 332 94.9 75.4 113.0
 141 53.8 31.0 46.6#



#14
 2-Fluorobiphenyl
 Concen: 0.05 ng
 RT: 13.43 min Scan# 884
 Delta R.T. 0.01 min
 Lab File: BE092686.D
 Acq: 25 Jan 2017 16:30

Tgt Ion:172 Resp: 475
 Ion Ratio Lower Upper
 172 100
 171 52.6 30.1 45.1#
 170 44.7 21.8 32.6#





#15

Acenaphthylene

Concen: 0.03 ng

RT: 14.51 min Scan# 962

Delta R.T. -0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Instrument :

BNA_E

ClientSampleId :

RVE-8

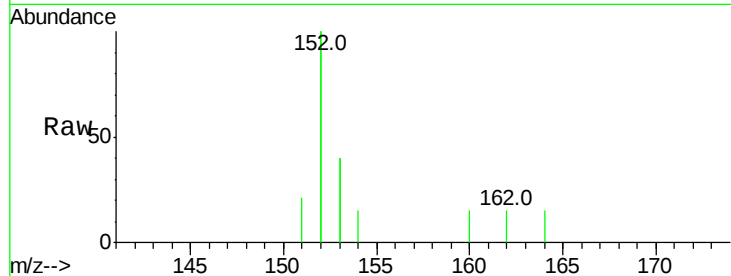
Tot Ion:152 Resp: 1449

Ion Ratio Lower Upper

152 100

151 5.5 3.9 5.9

153 14.4 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.51

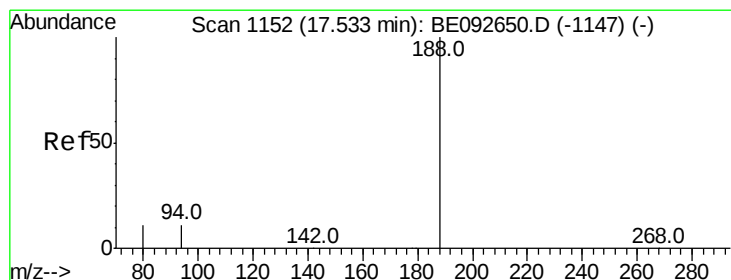
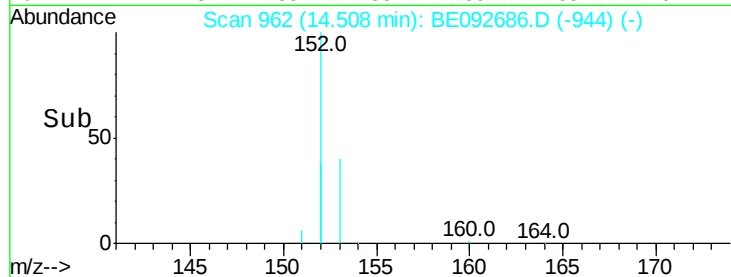
600

400

200

0

Time-->



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

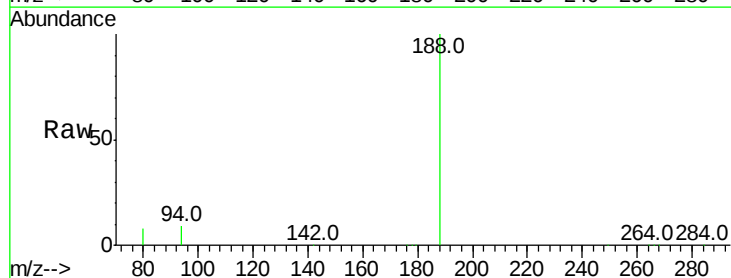
Tgt Ion:188 Resp: 73779

Ion Ratio Lower Upper

188 100

94 8.9 3.2 4.8#

80 8.3 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

17.53

50000

40000

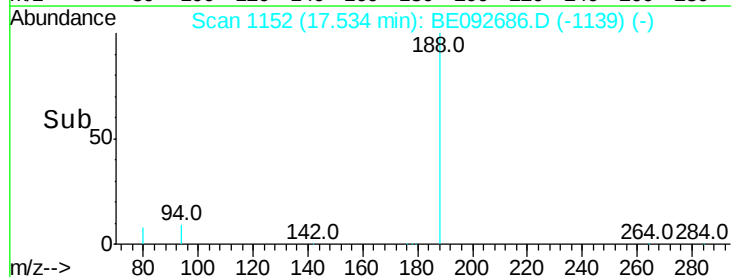
30000

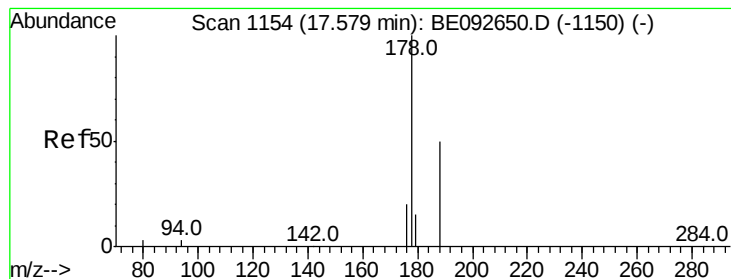
20000

10000

0

Time-->





#21

Phenanthrene

Concen: 0.04 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Instrument :

BNA_E

ClientSampled :

RVE-8

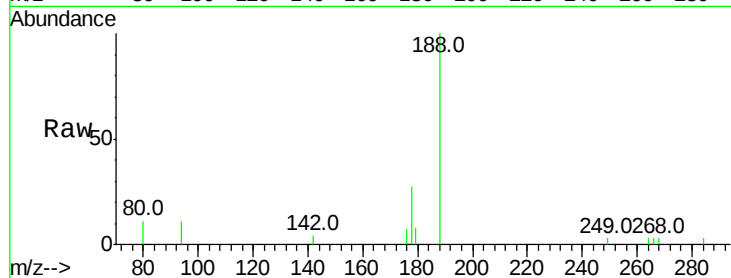
Tot Ion:178 Resp: 716

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

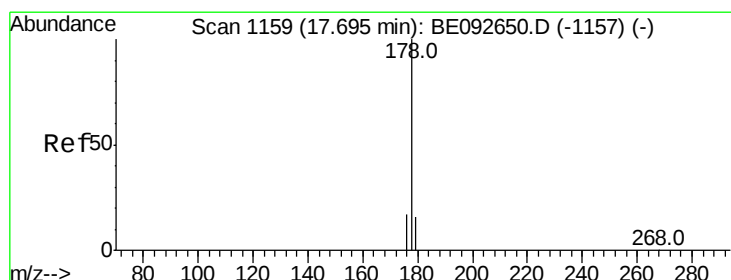
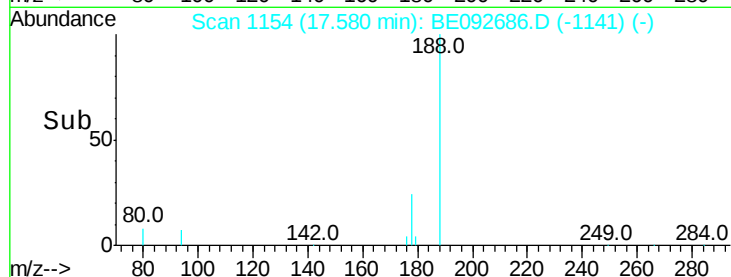
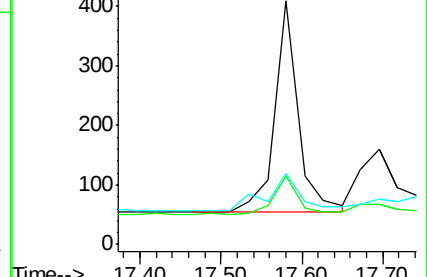
179 27.2 16.0 24.0#



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: 0.03 ng

RT: 17.70 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

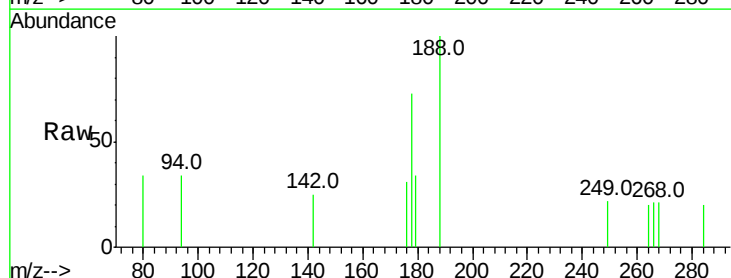
Tgt Ion:178 Resp: 393

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

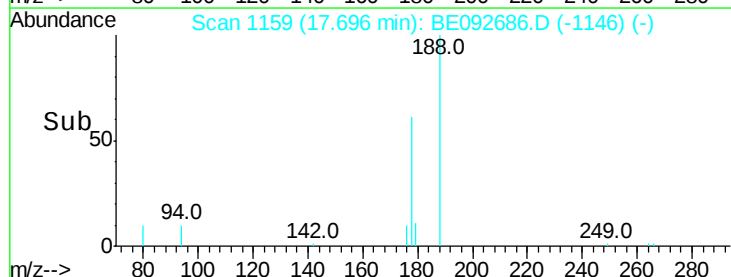
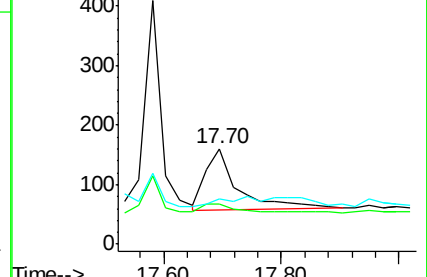
179 0.0 12.2 18.2#

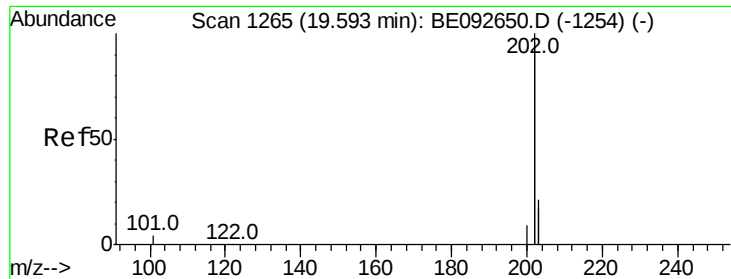


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.16 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Instrument :

BNA_E

ClientSampleId :

RVE-8

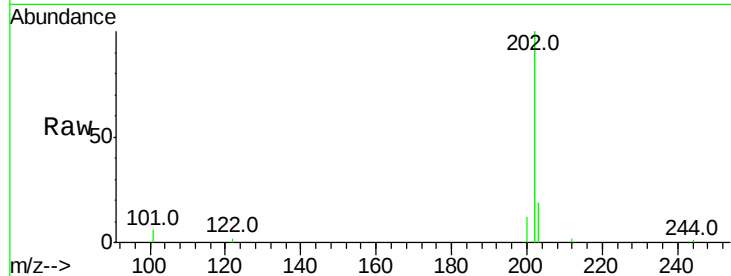
Tot Ion:202 Resp: 11534

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

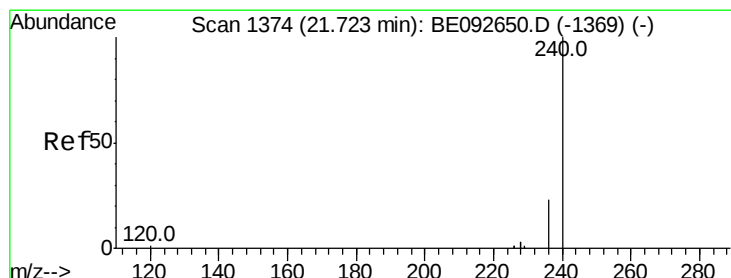
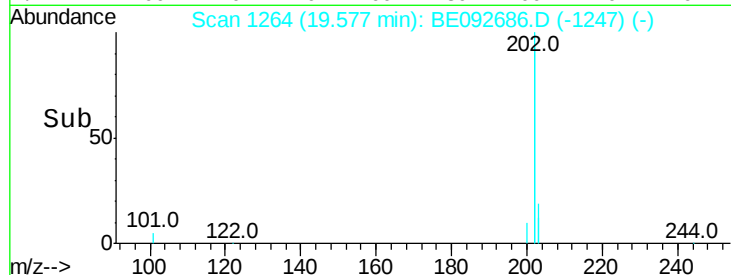
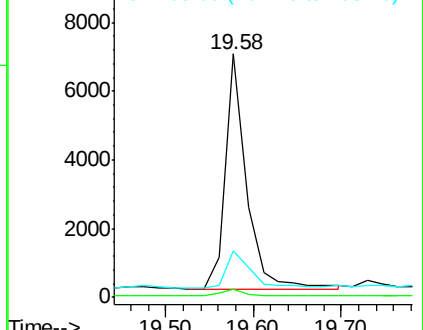
203 17.6 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

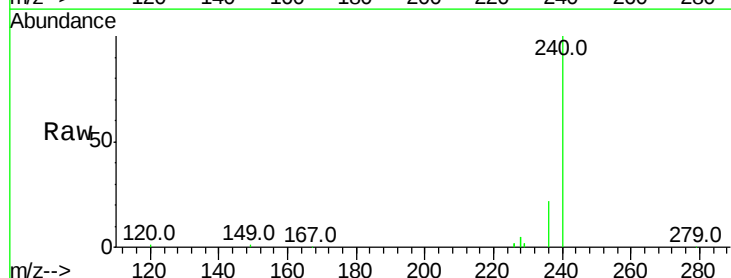
Tgt Ion:240 Resp: 64772

Ion Ratio Lower Upper

240 100

120 1.2 2.6 4.0#

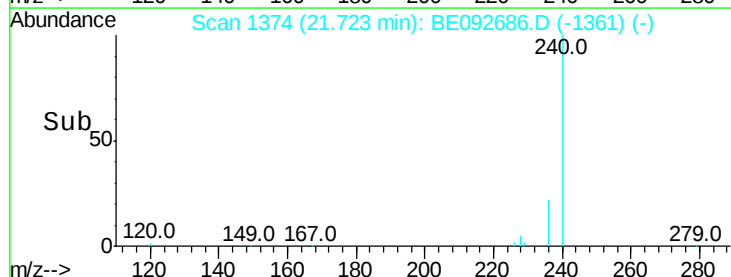
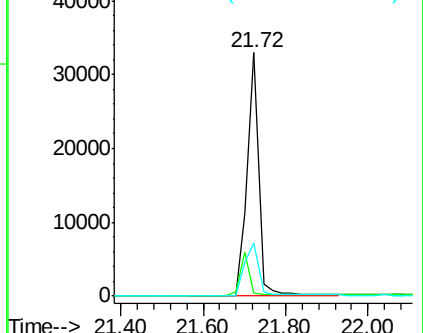
236 21.8 24.6 37.0#

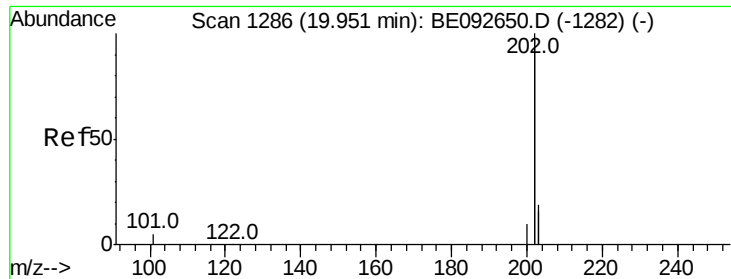


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pvrene

Concen: 0.23 ng

RT: 19.94 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Instrument :

BNA_E

ClientSampleId :

RVE-8

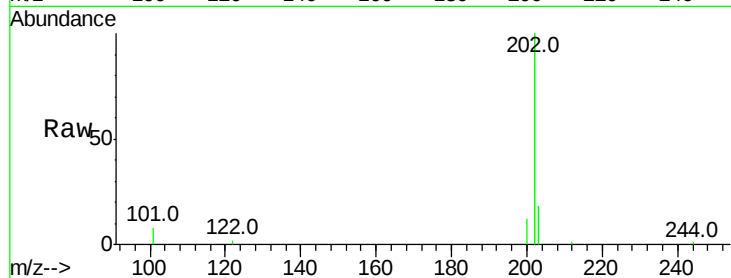
Tot Ion:202 Resp: 14956

Ion Ratio Lower Upper

202 100

200 5.4 4.2 6.4

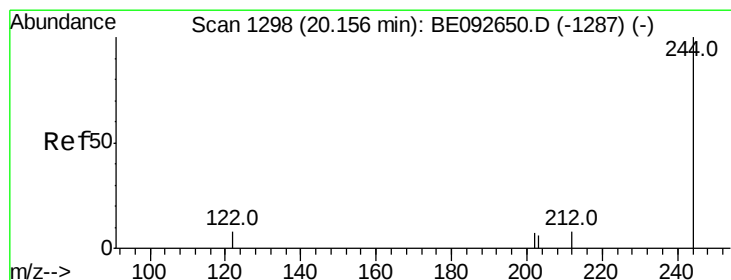
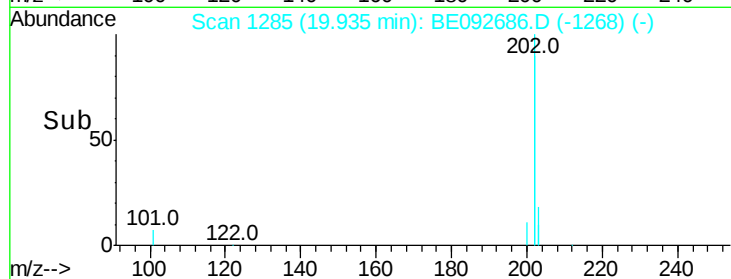
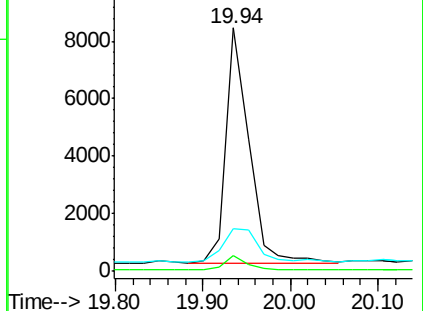
203 24.6 13.9 20.9#



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: 0.07 ng

RT: 20.16 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

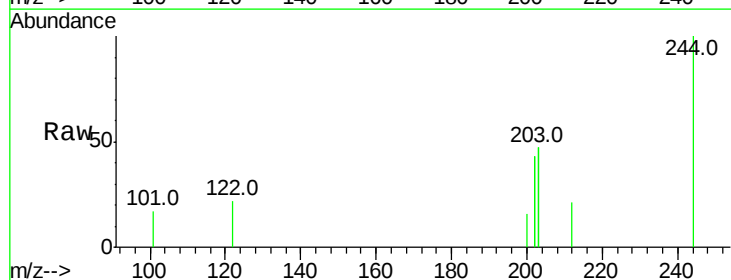
Tgt Ion:244 Resp: 649

Ion Ratio Lower Upper

244 100

212 21.4 6.7 10.1#

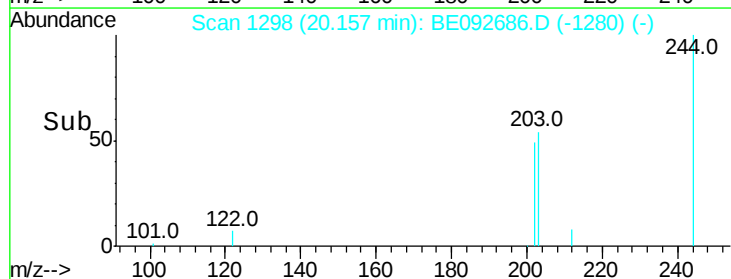
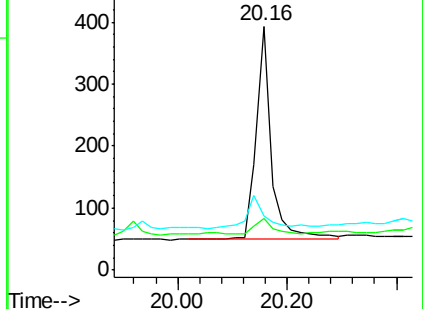
122 22.4 3.6 5.4#

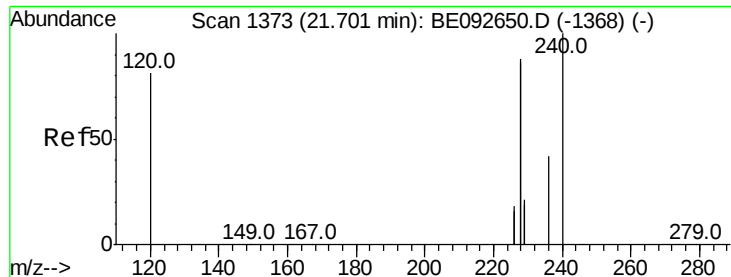


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 0.19 ng m

RT: 21.70 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Instrument :

BNA_E

ClientSampleId :

RVE-8

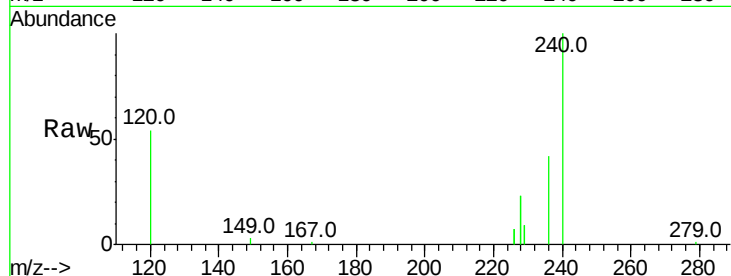
Tot Ion:228 Resp: 12256

Ion Ratio Lower Upper

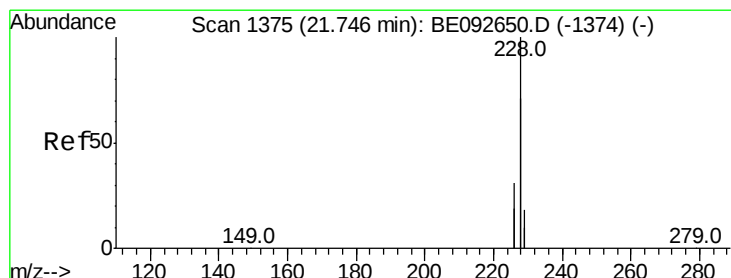
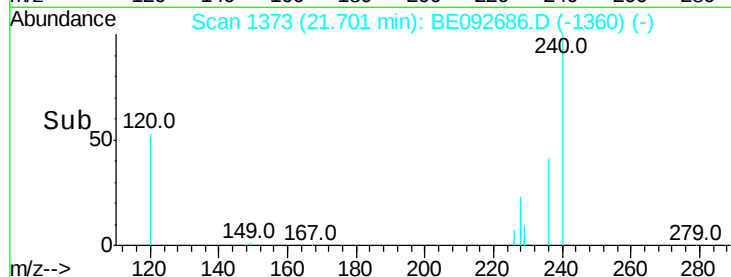
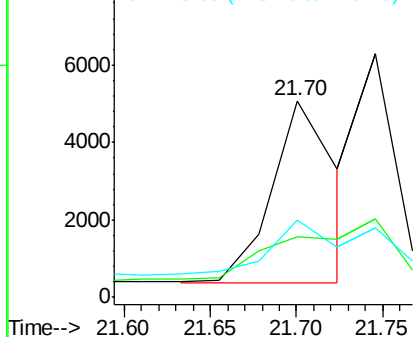
228 100

226 30.5 23.6 35.4

229 39.2 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: 0.14 ng m

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

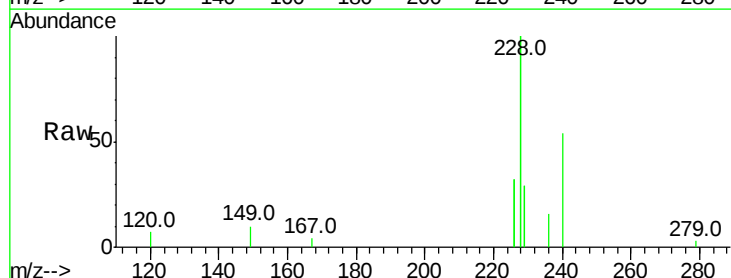
Tgt Ion:228 Resp: 10275

Ion Ratio Lower Upper

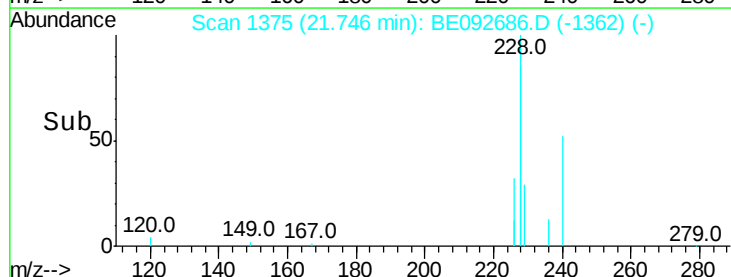
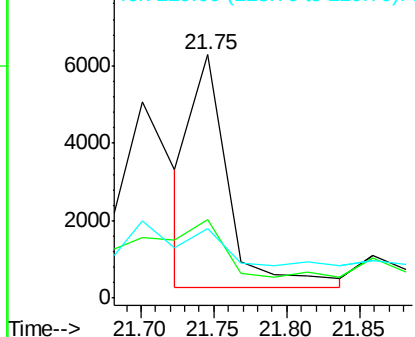
228 100

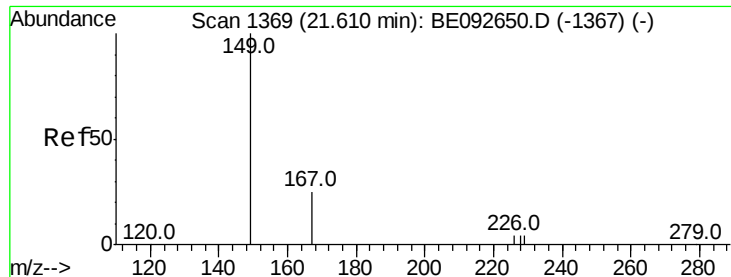
226 32.3 36.3 54.5#

229 28.8 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: 0.31 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Instrument :

BNA_E

ClientSampleId :

RVE-8

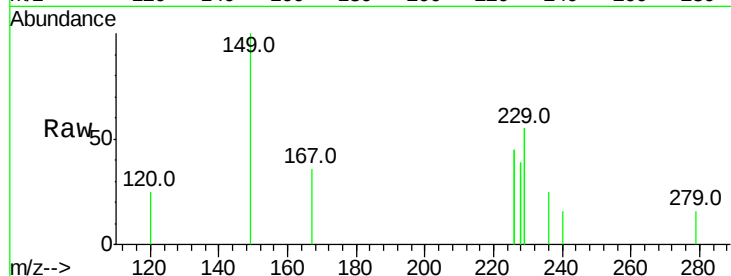
Tot Ion:149 Resp: 1373

Ion Ratio Lower Upper

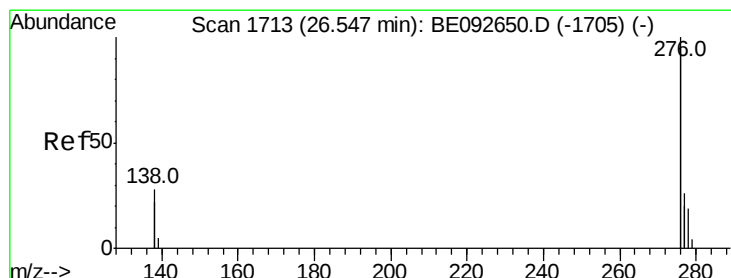
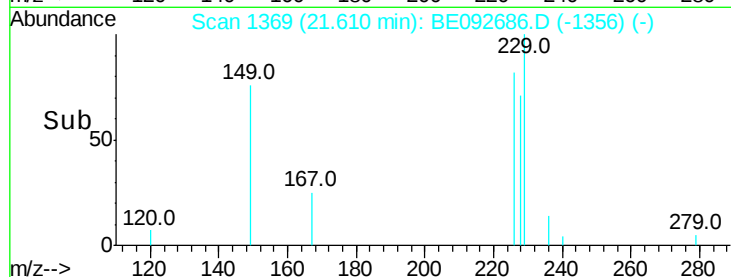
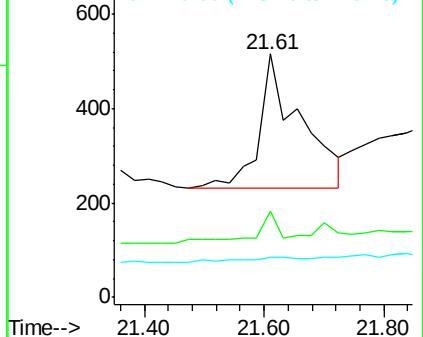
149 100

167 15.7 16.0 24.0#

279 4.9 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: 0.08 ng

RT: 26.53 min Scan# 1712

Delta R.T. -0.02 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

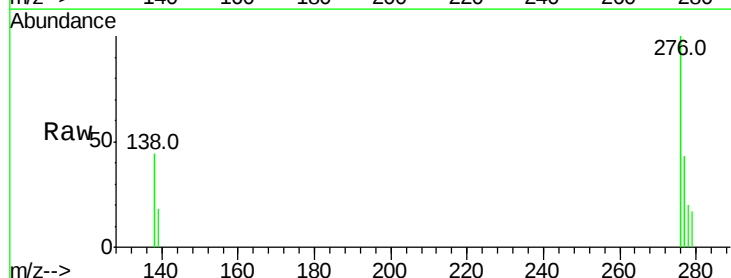
Tgt Ion:276 Resp: 6418

Ion Ratio Lower Upper

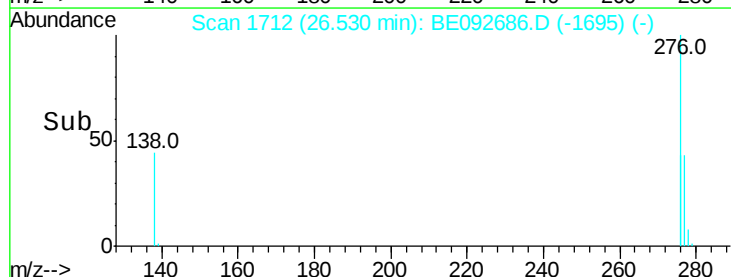
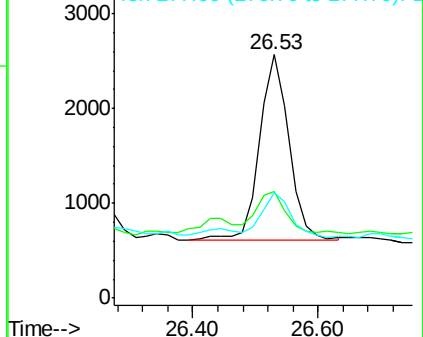
276 100

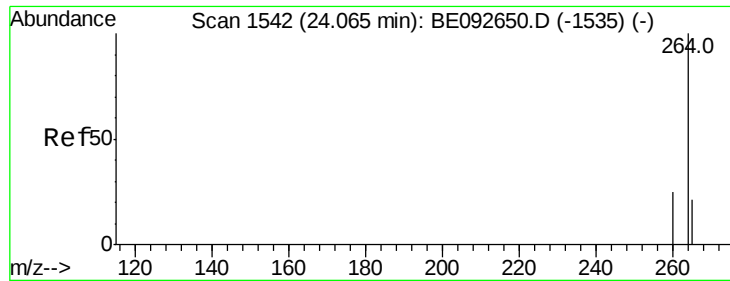
138 24.3 20.3 30.5

277 23.9 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

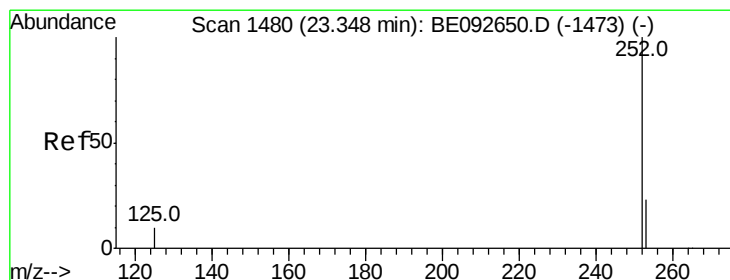
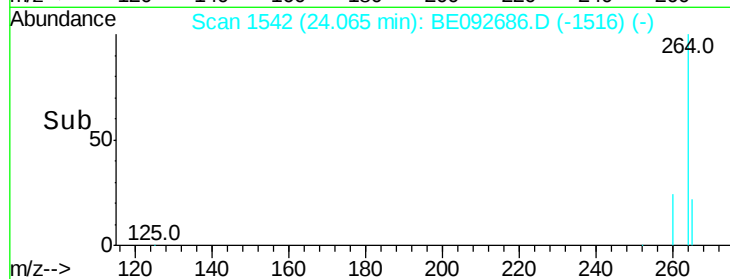
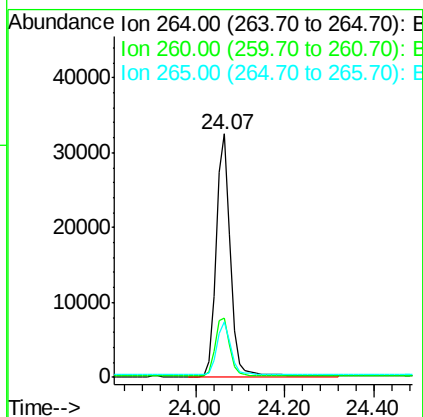
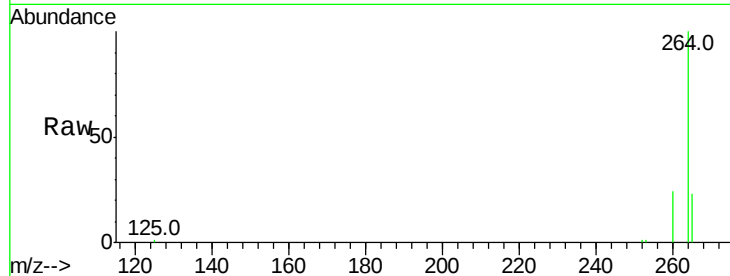




#31
 Pervlene-d12
 Concen: 5.00 ng
 RT: 24.07 min Scan# 1542
 Delta R.T. 0.00 min
 Lab File: BE092686.D
 Acq: 25 Jan 2017 16:30

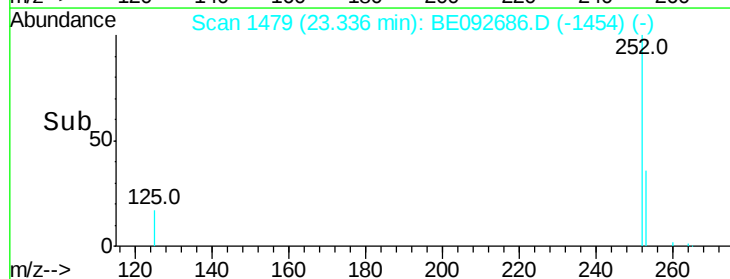
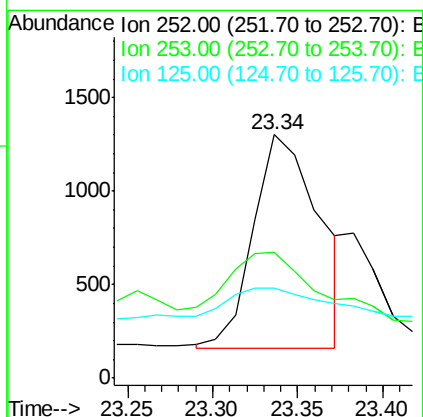
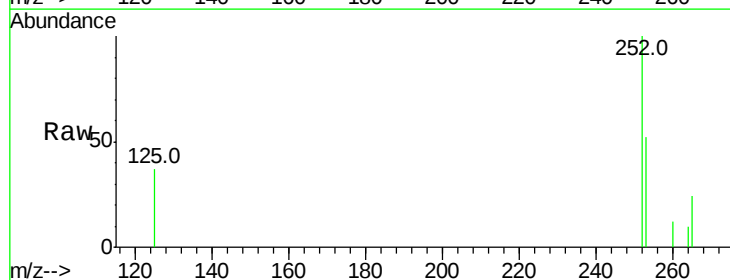
Instrument :
 BNA_E
 ClientSampleId :
 RVE-8

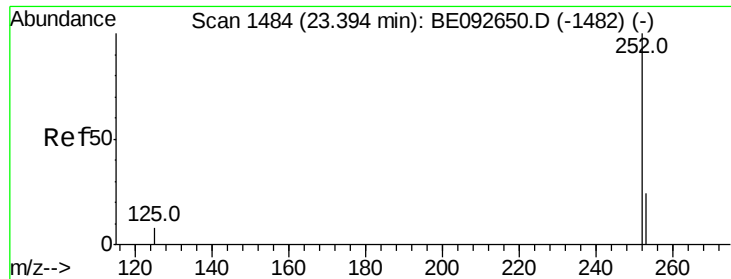
Tot Ion:264 Resp: 71625
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.1 30.1
 265 22.8 17.9 26.9



#32
 Benzo(b)fluoranthene
 Concen: 0.18 ng m
 RT: 23.34 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BE092686.D
 Acq: 25 Jan 2017 16:30

Tgt Ion:252 Resp: 3076
 Ion Ratio Lower Upper
 252 100
 253 51.9 18.7 28.1#
 125 37.0 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.06 ng m

RT: 23.38 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Instrument :

BNA_E

ClientSampleId :

RVE-8

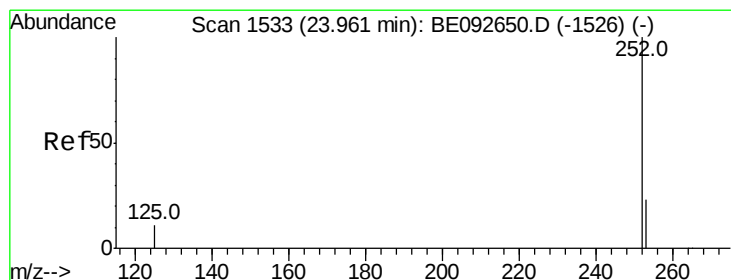
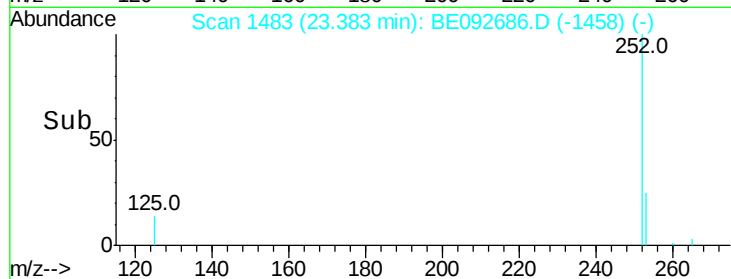
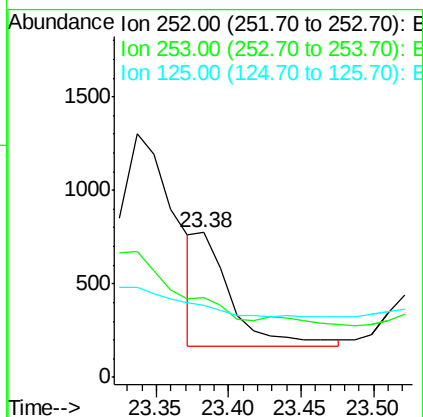
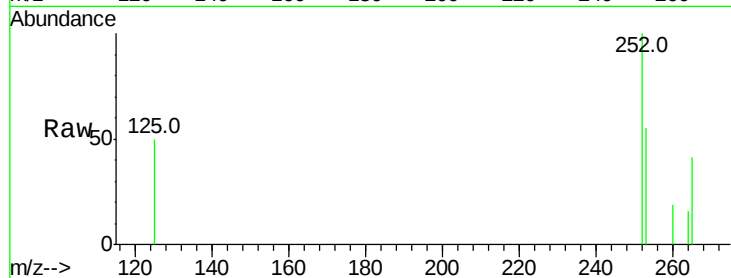
Tot Ion:252 Resp: 1031

Ion Ratio Lower Upper

252 100

253 55.4 20.3 30.5#

125 49.8 9.6 14.4#



#34

Benzo(a)pyrene

Concen: 0.15 ng

RT: 23.95 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

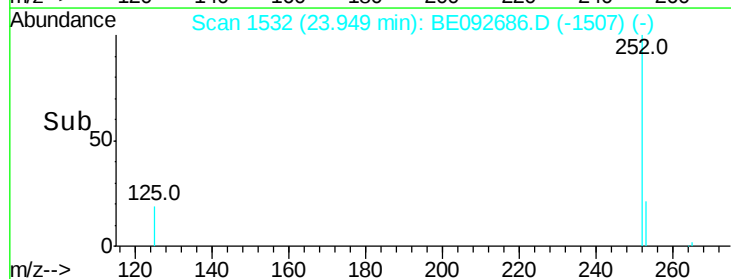
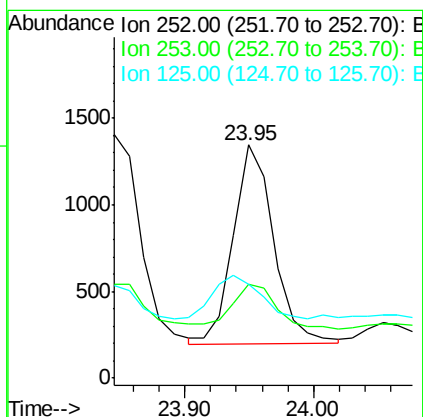
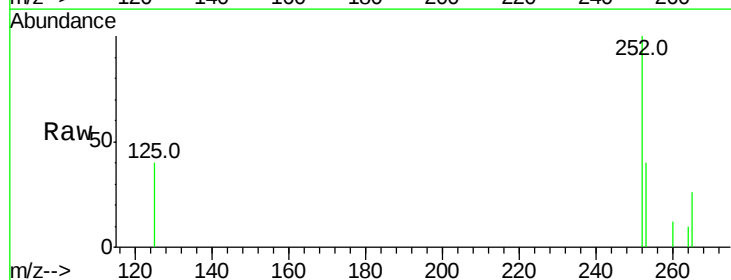
Tgt Ion:252 Resp: 2506

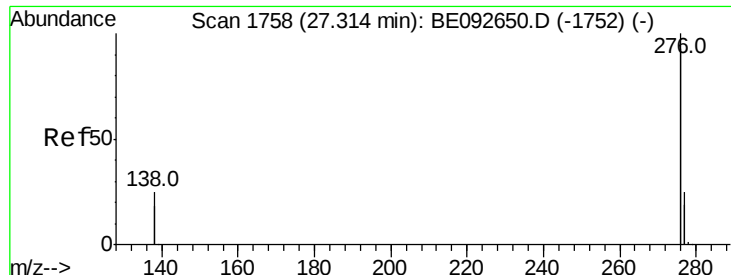
Ion Ratio Lower Upper

252 100

253 40.2 19.0 28.6#

125 40.0 11.8 17.8#





#36

Benzo(a,h,i)perylene

Concen: 0.16 ng

RT: 27.30 min Scan# 1757

Delta R.T. -0.02 min

Lab File: BE092686.D

Acq: 25 Jan 2017 16:30

Instrument :

BNA_E

ClientSampleId :

RVE-8

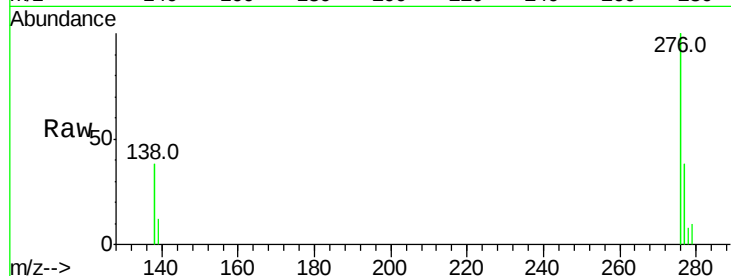
Tot Ion:276 Resp: 10495

Ion Ratio Lower Upper

276 100

277 37.9 19.8 29.8#

138 37.6 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

