

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012417\
 Data File : BE092677.D
 Acq On : 24 Jan 2017 22:18
 Operator : UM/SJ
 Sample : I1378-07 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 25 11:09:10 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	8899	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	45899	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	30918	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	61861	5.00	ng	0.00
24) Chrysene-d12	21.72	240	64698	5.00	ng	0.00
31) Perylene-d12	24.07	264	64346	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.58	112	1	0.00	ng	-0.07
5) Phenol-d6	7.31	99	6	0.00	ng	-0.02
8) Nitrobenzene-d5	0.00	82	0	0.00	ng	
13) 2,4,6-Tribromophenol	16.32	330	42	0.18	ng	0.02
14) 2-Fluorobiphenyl	13.48	172	176	0.02	ng	0.06
26) Terphenyl-d14	20.17	244	248	0.03	ng	0.02

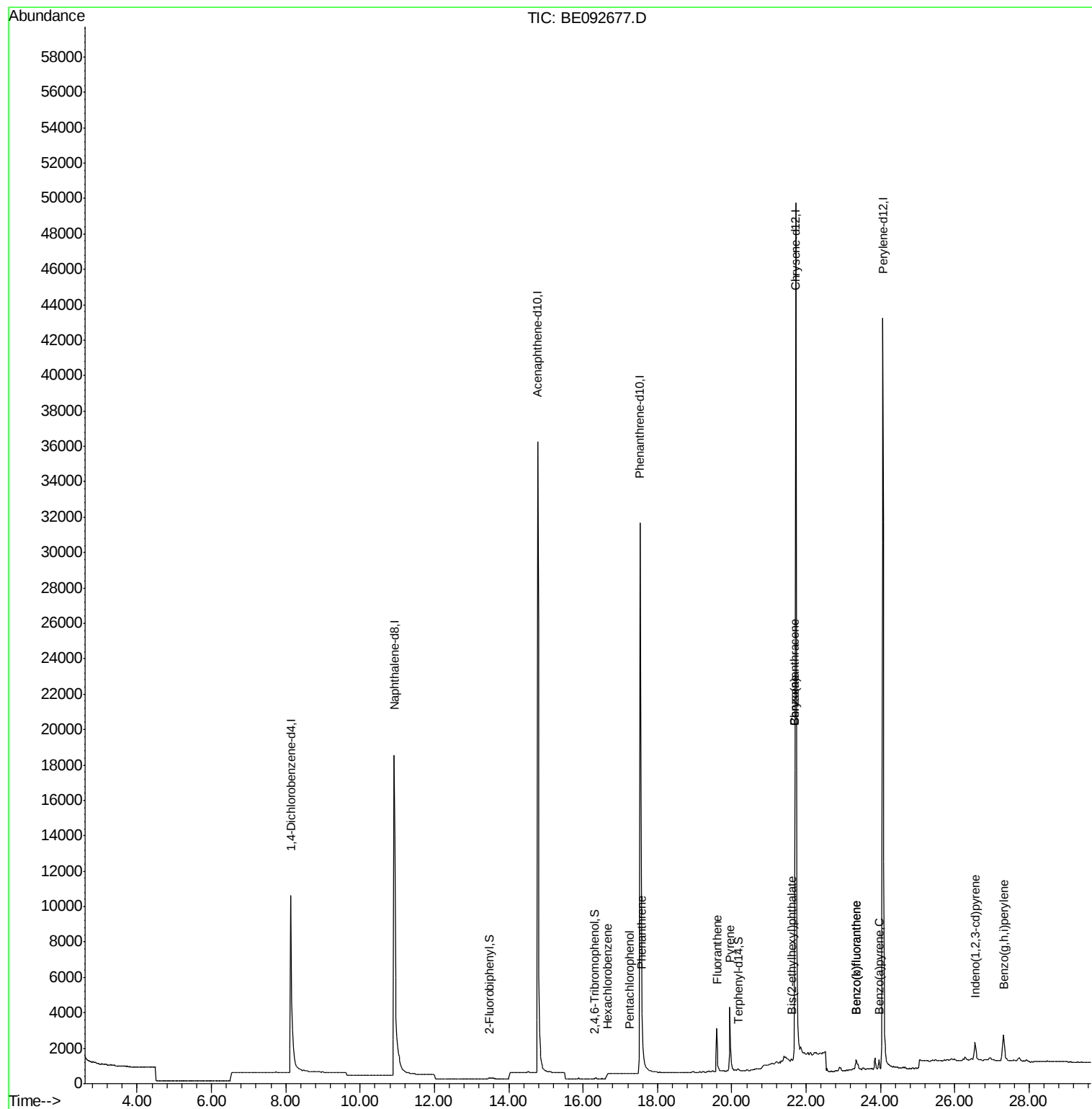
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.62	88	1	Below Cal	#	19
19) Hexachlorobenzene	16.66	284	351	0.08	ng	69
20) Pentachlorophenol	17.26	266	14	0.02	ng	72
21) Phenanthrene	17.58	178	325	0.02	ng	78
23) Fluoranthene	19.59	202	4321	0.07	ng	96
25) Pyrene	19.95	202	5645	0.09	ng	89
27) Benzo(a)anthracene	21.70	228	9088	0.14	ng	85
28) Chrysene	21.70	228	9088	0.13	ng	71
29) Bis(2-ethylhexyl)phthalate	21.61	149	235	0.22	ng	76
30) Indeno(1,2,3-cd)pyrene	26.55	276	2675	0.03	ng	94
32) Benzo(b)fluoranthene	23.35	252	1635	0.11	ng	40
33) Benzo(k)fluoranthene	23.35	252	1635	0.10	ng	42
34) Benzo(a)pyrene	23.96	252	948	0.06	ng	45
36) Benzo(a,h,i)perylene	27.31	276	4221	0.07	ng	63

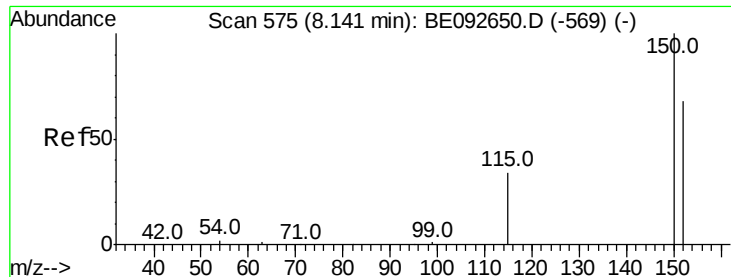
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092677.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :

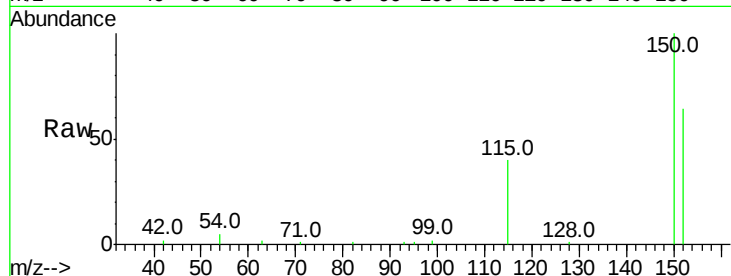
Tot Ion:152 Resp: 8899

Ion Ratio Lower Upper

152 100

150 155.9 106.0 159.0

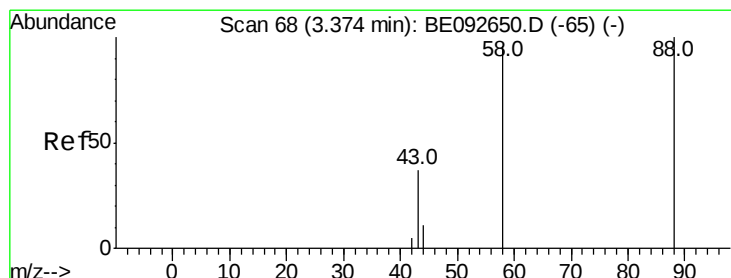
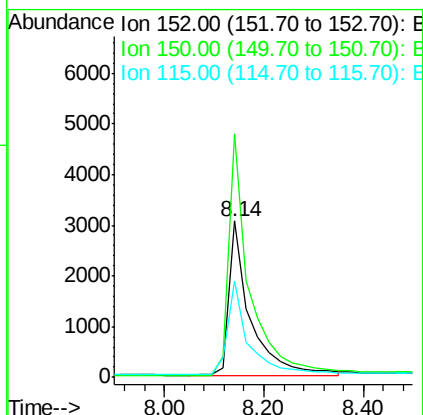
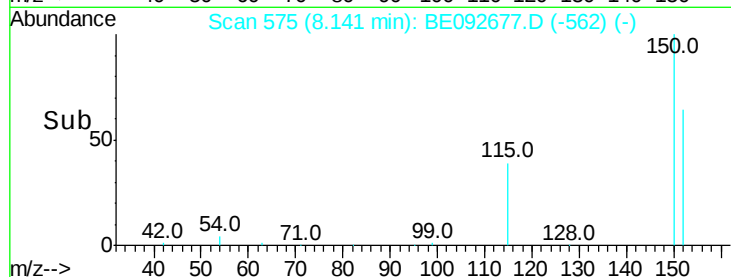
115 61.7 31.2 46.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.62 min Scan# 89

Delta R.T. 0.24 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

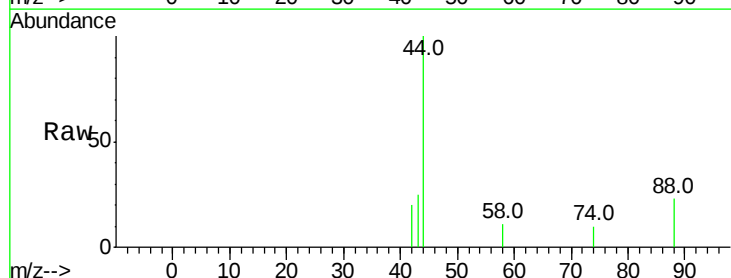
Tgt Ion: 88 Resp: 1

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

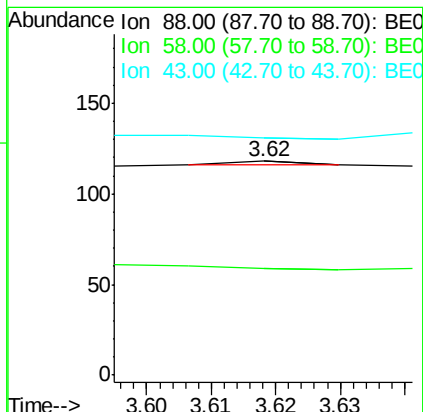
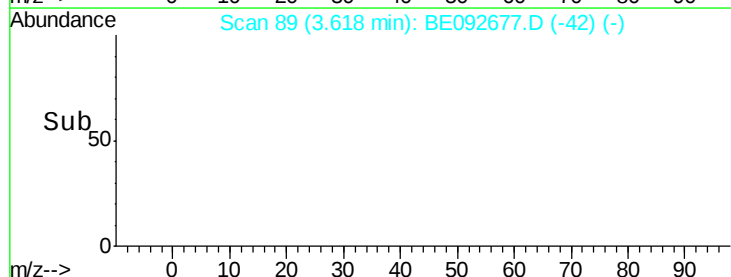
43 0.0 28.0 42.0#

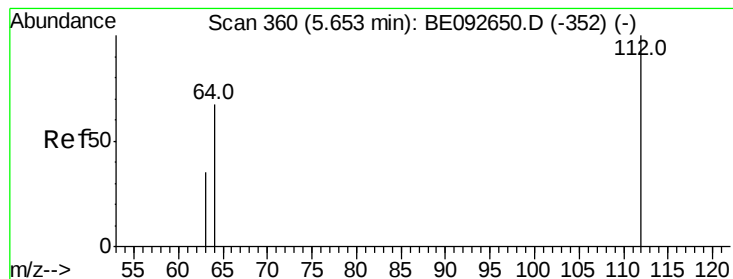


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.00 ng

RT: 5.58 min Scan# 348

Delta R.T. -0.07 min

Lab File: BE092677.D

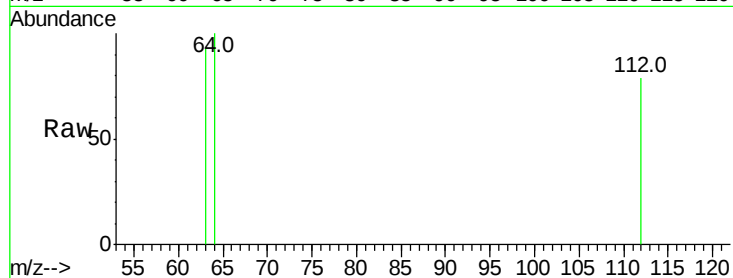
Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :

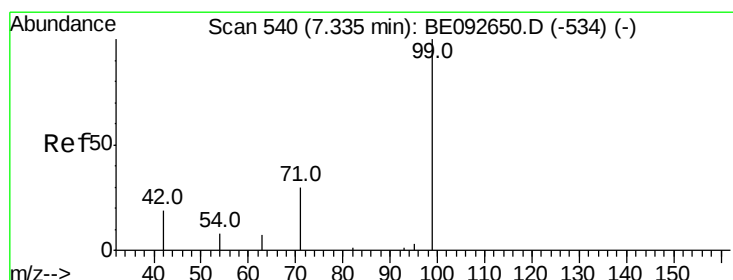
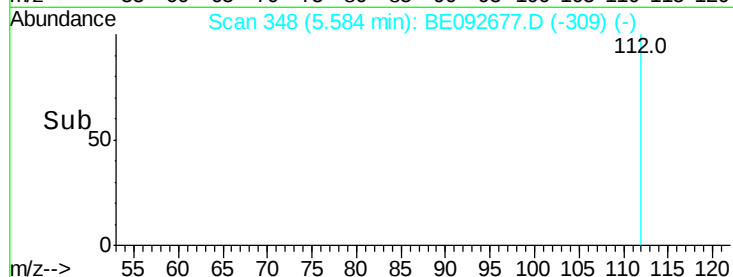
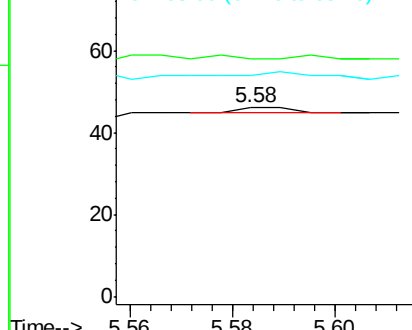
Tot Ion:	112	Resp:	1
Ion	Ratio	Lower	Upper
112	100		
64	0.0	53.5	80.3#
63	200.0	27.9	41.9#



Abundance Ion 112.00 (111.70 to 112.70): BE092650.D (-352) (-)

Ion 64.00 (63.70 to 64.70): BE092650.D (-352) (-)

Ion 63.00 (62.70 to 63.70): BE092650.D (-352) (-)



#5

Phenol-d6

Concen: 0.00 ng

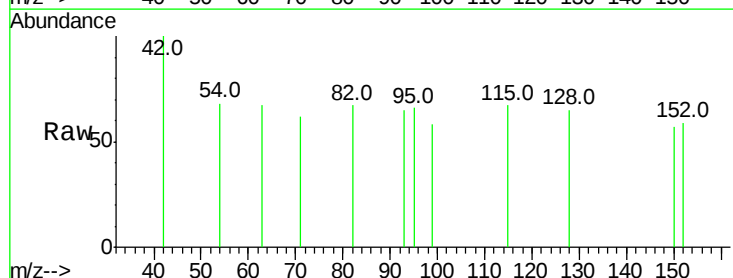
RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

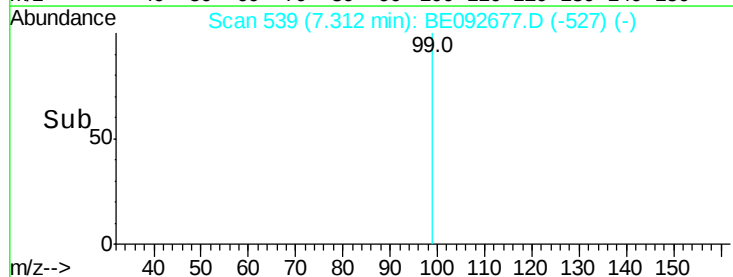
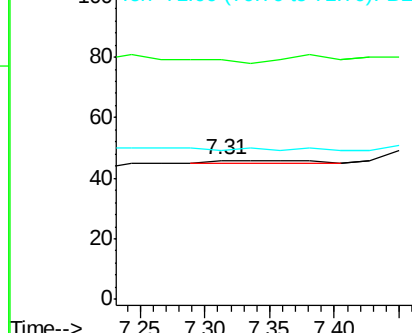
Tgt Ion:	99	Resp:	6
Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

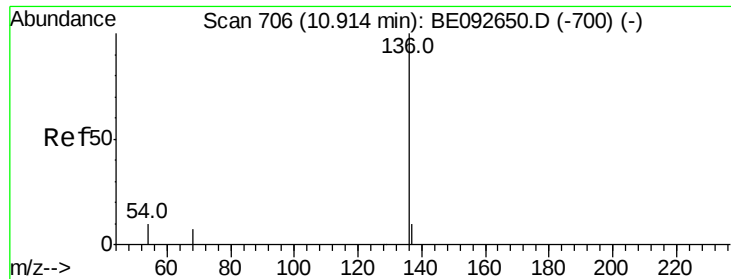


Abundance Ion 99.00 (98.70 to 99.70): BE092650.D (-534) (-)

Ion 42.00 (41.70 to 42.70): BE092650.D (-534) (-)

Ion 71.00 (70.70 to 71.70): BE092650.D (-534) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 45899

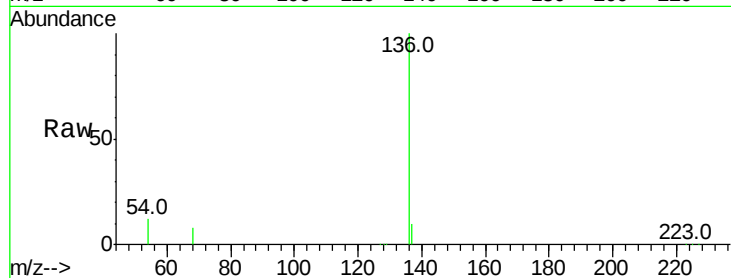
Ion Ratio Lower Upper

136 100

137 10.4 8.2 12.4

54 12.3 9.6 14.4

68 8.1 6.7 10.1

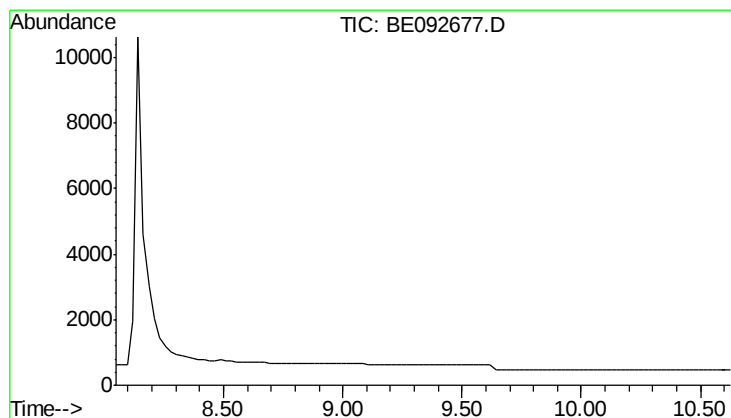
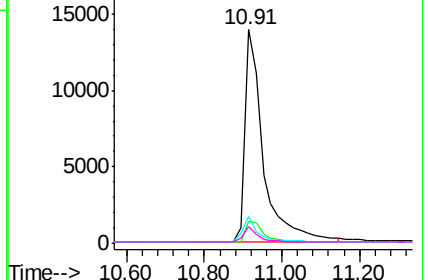
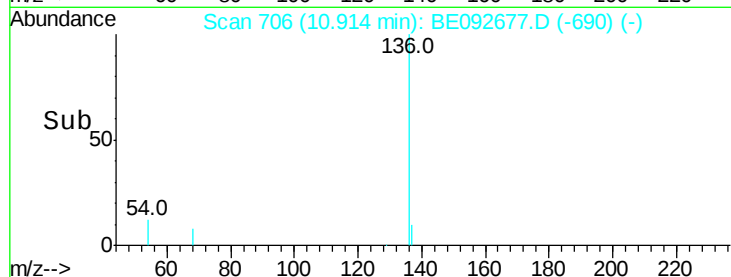


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.00 ng

Expected RT: 9.34 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

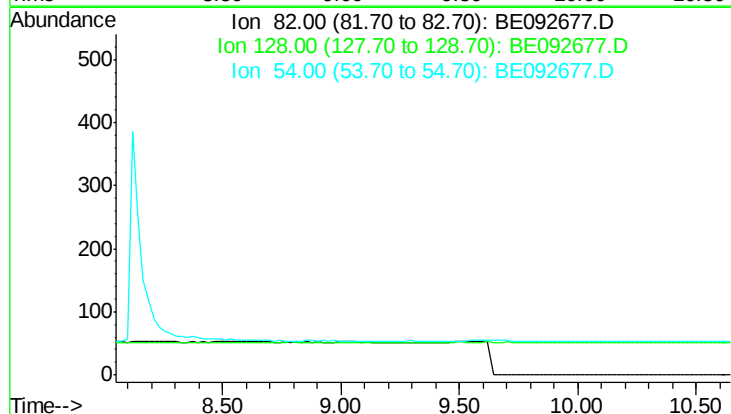
Tgt Ion: 82

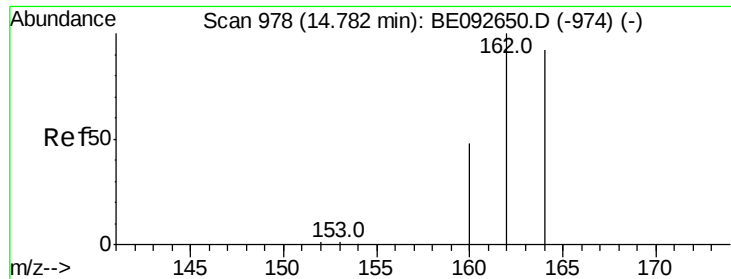
Sig Exp Ratio

82 100

128 48.7

54 56.0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 977

Delta R.T. -0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :

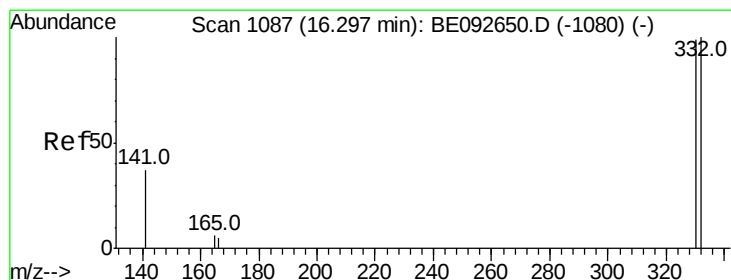
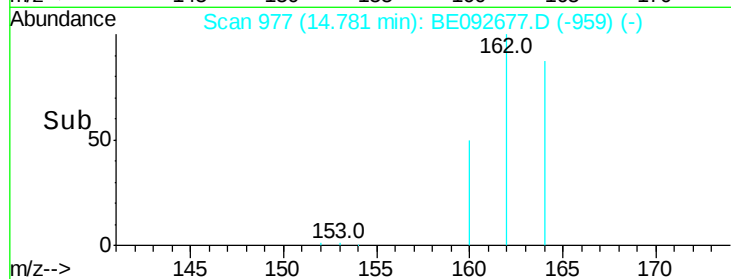
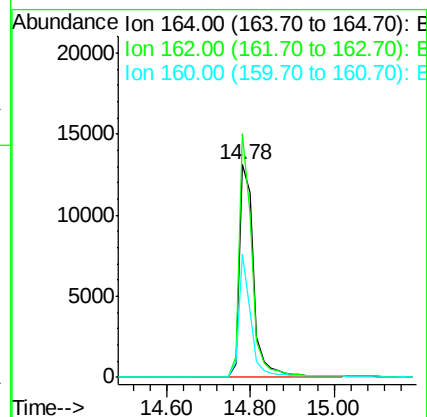
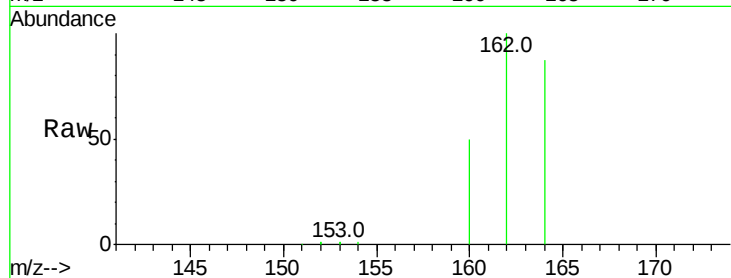
Tot Ion:164 Resp: 30918

Ion Ratio Lower Upper

164 100

162 114.5 71.4 107.0#

160 57.7 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 0.18 ng

RT: 16.32 min Scan# 1088

Delta R.T. 0.02 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

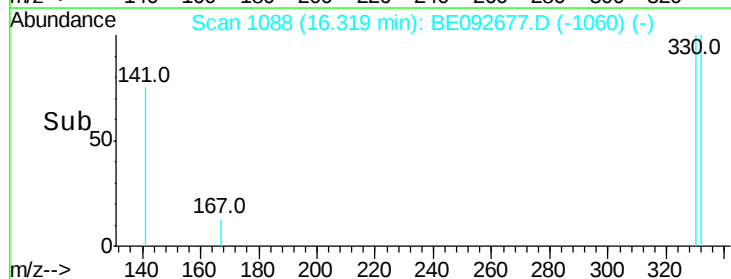
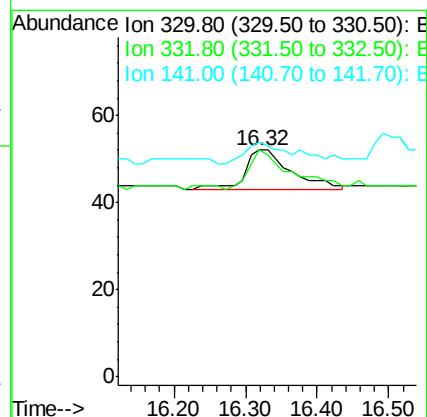
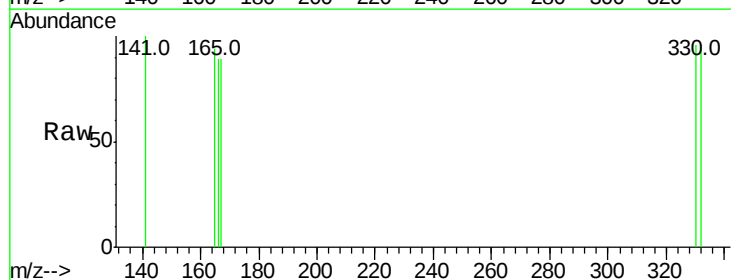
Tgt Ion:330 Resp: 42

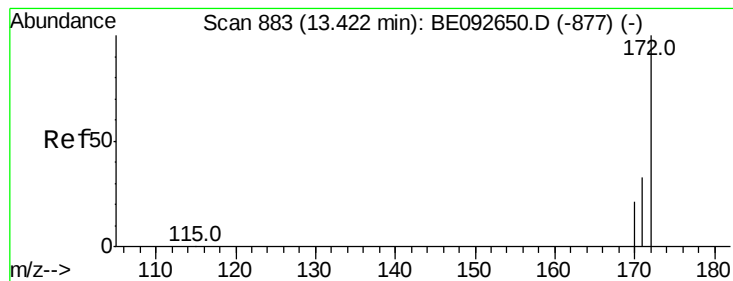
Ion Ratio Lower Upper

330 100

332 90.5 75.4 113.0

141 59.5 31.0 46.6#

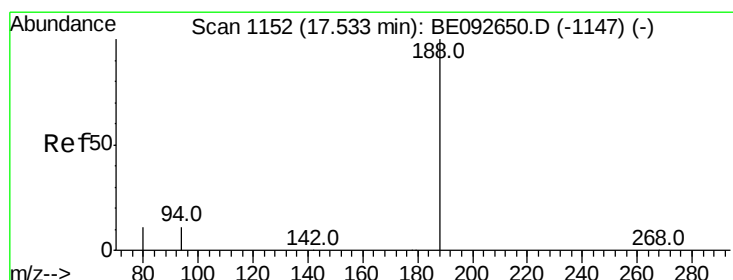
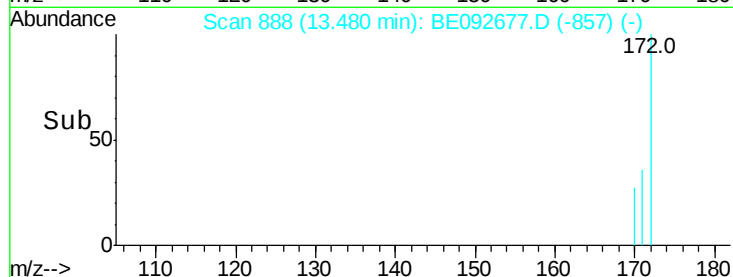
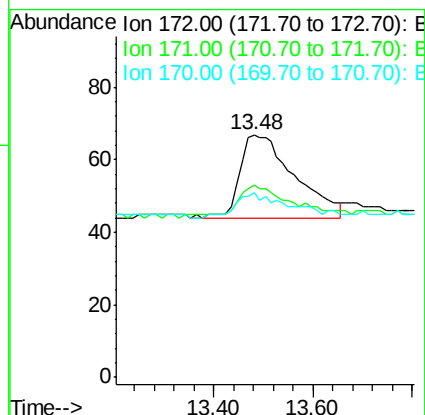
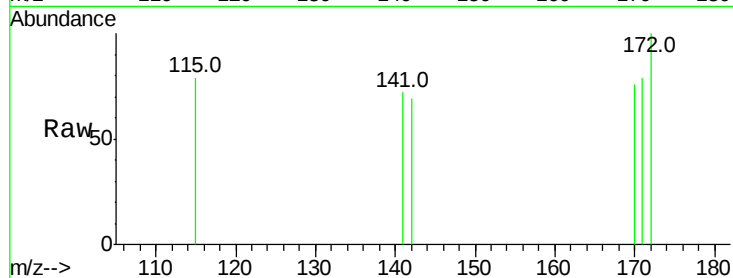




#14
 2-Fluorobiphenyl
 Concen: 0.02 ng
 RT: 13.48 min Scan# 888
 Delta R.T. 0.06 min
 Lab File: BE092677.D
 Acq: 24 Jan 2017 22:18

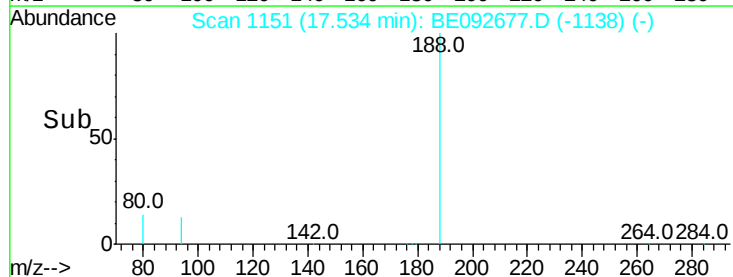
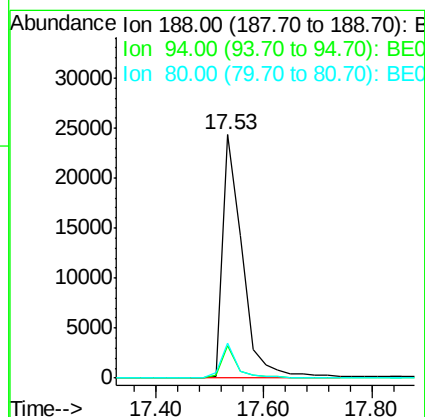
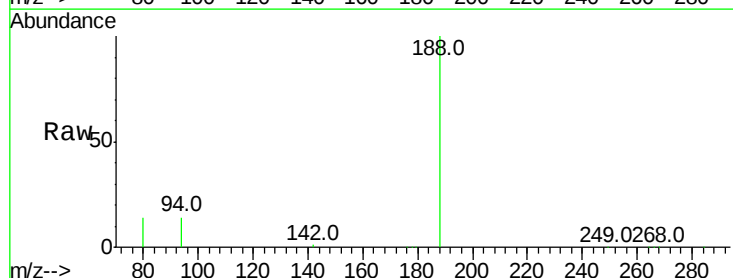
Instrument :
 BNA_E
 ClientSampled :

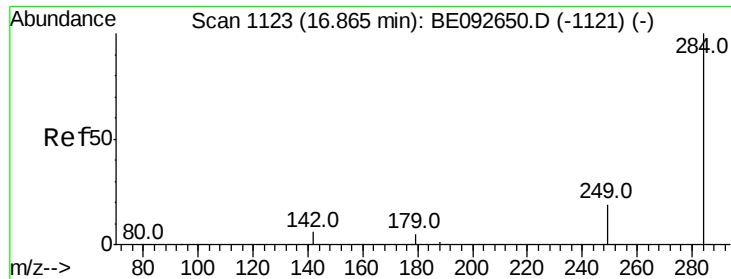
Tot Ion:172 Resp: 176
 Ion Ratio Lower Upper
 172 100
 171 79.1 30.1 45.1#
 170 76.1 21.8 32.6#



#18
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.53 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BE092677.D
 Acq: 24 Jan 2017 22:18

Tgt Ion:188 Resp: 61861
 Ion Ratio Lower Upper
 188 100
 94 13.6 3.2 4.8#
 80 14.3 2.6 3.8#





#19

Hexachlorobenzene

Concen: 0.08 ng

RT: 16.66 min Scan# 1113

Delta R.T. -0.21 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :

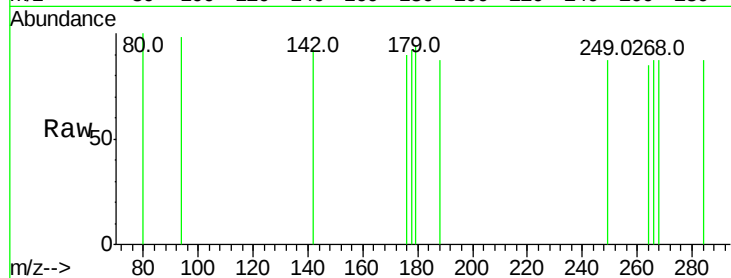
Tot Ion:284 Resp: 351

Ion Ratio Lower Upper

284 100

142 34.8 29.1 43.7

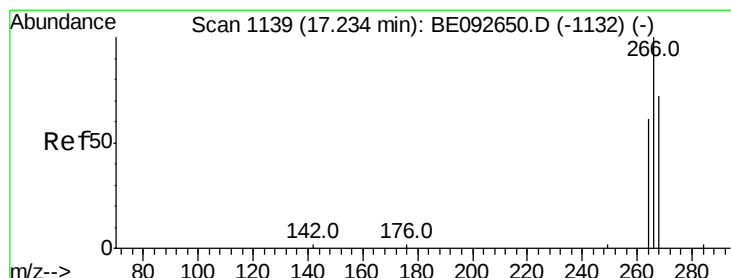
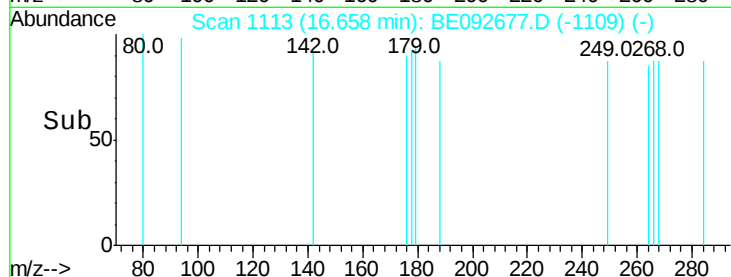
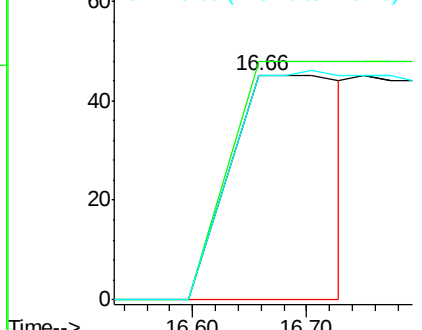
249 0.0 27.9 41.9#



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: 0.02 ng

RT: 17.26 min Scan# 1139

Delta R.T. 0.02 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

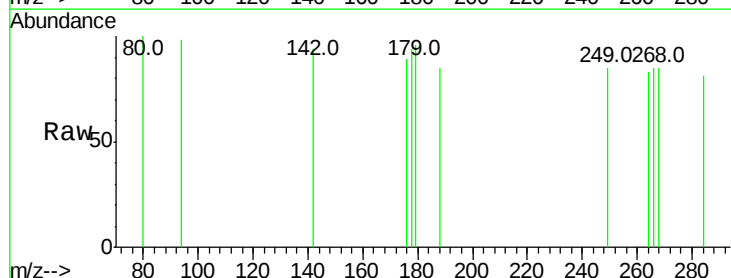
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

268 100.0 62.5 93.7#

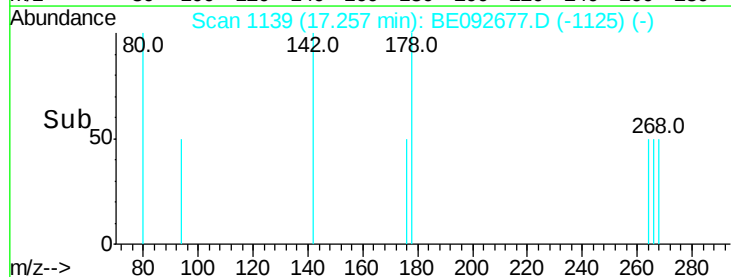
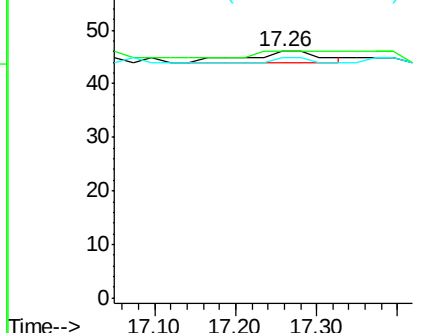
264 97.8 57.2 85.8#

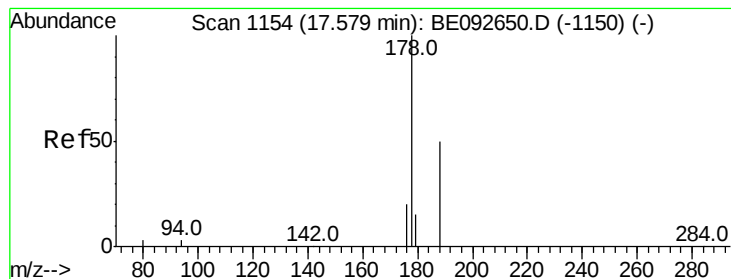


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#21

Phenanthrene

Concen: 0.02 ng

RT: 17.58 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :

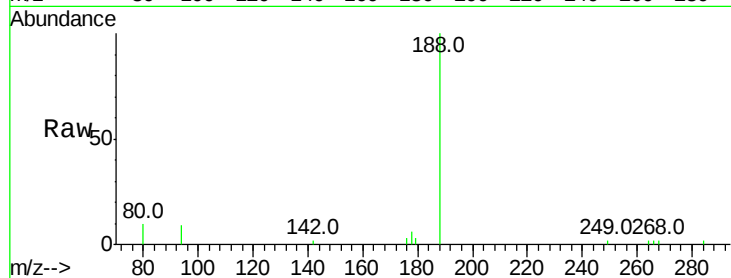
Tot Ion:178 Resp: 325

Ion Ratio Lower Upper

178 100

176 17.8 15.8 23.8

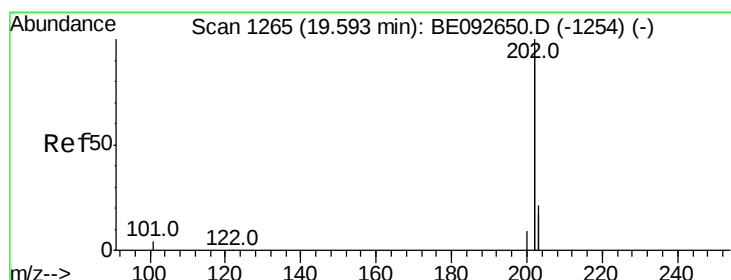
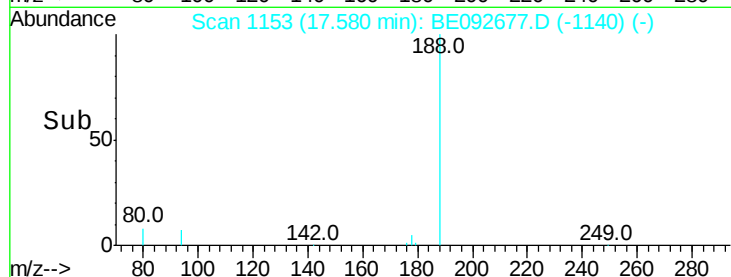
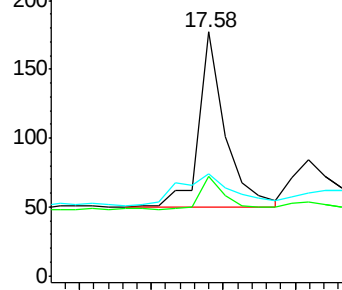
179 37.8 16.0 24.0#



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



#23

Fluoranthene

Concen: 0.07 ng

RT: 19.59 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

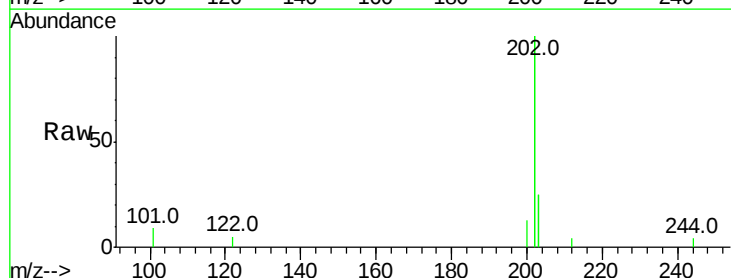
Tgt Ion:202 Resp: 4321

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

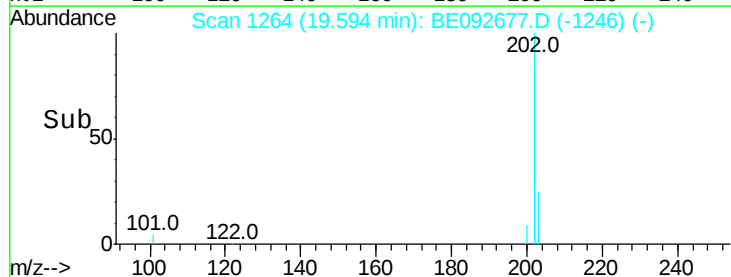
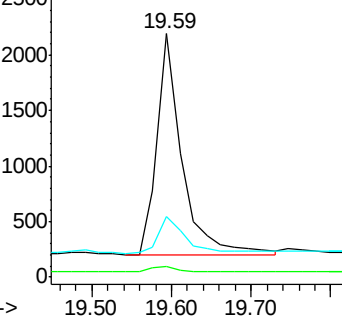
203 18.9 13.7 20.5

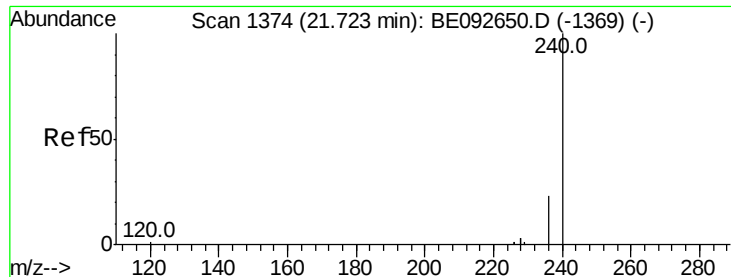


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1373

Delta R.T. 0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :

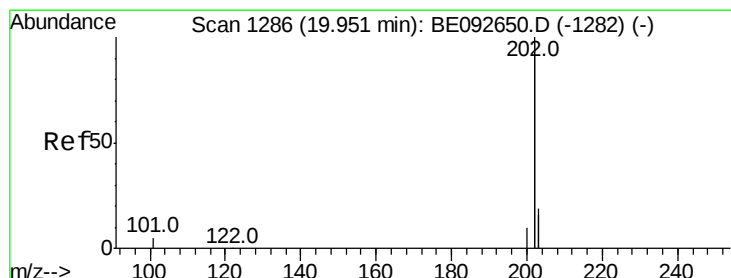
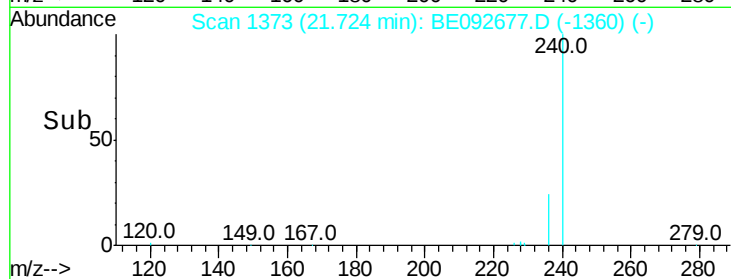
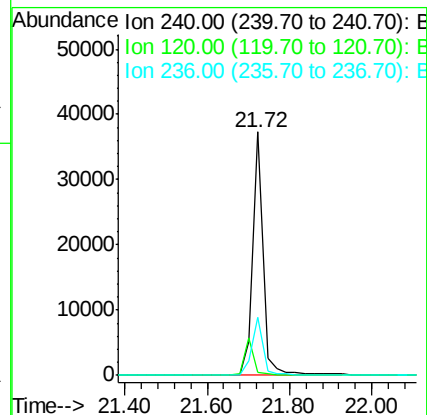
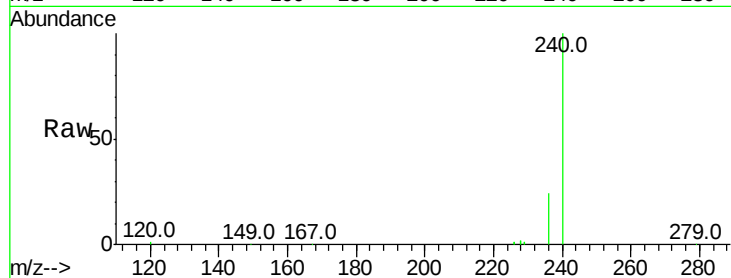
Tot Ion:240 Resp: 64698

Ion Ratio Lower Upper

240 100

120 1.5 2.6 4.0#

236 23.8 24.6 37.0#



#25

Pyrene

Concen: 0.09 ng

RT: 19.95 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

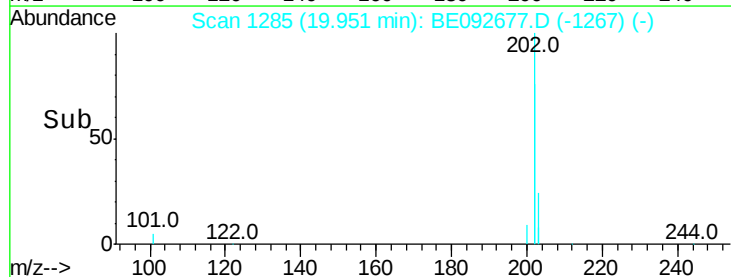
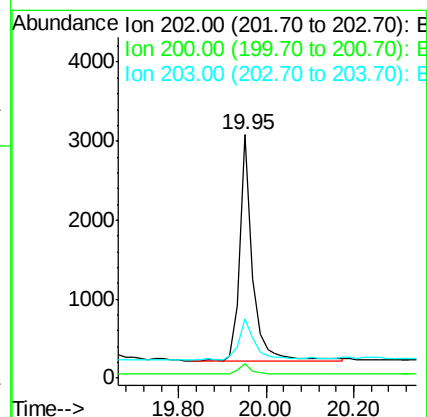
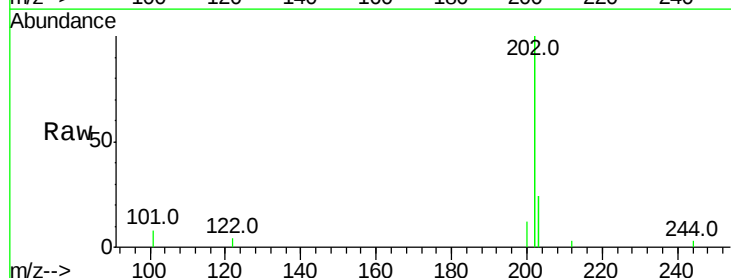
Tgt Ion:202 Resp: 5645

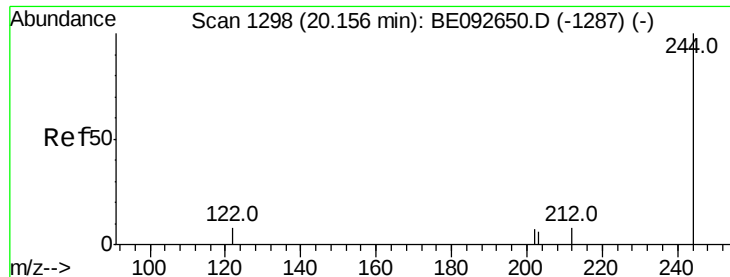
Ion Ratio Lower Upper

202 100

200 5.2 4.2 6.4

203 23.7 13.9 20.9#





#26

Terphenyl-d14

Concen: 0.03 ng

RT: 20.17 min Scan# 1298

Delta R.T. 0.02 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :

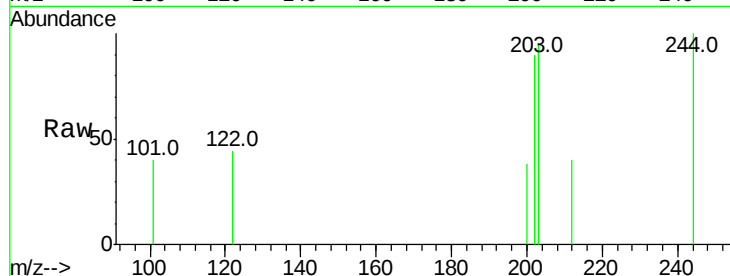
Tot Ion:244 Resp: 248

Ion Ratio Lower Upper

244 100

212 40.4 6.7 10.1#

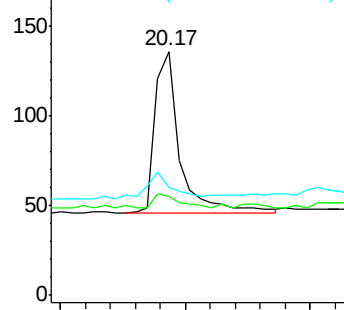
122 44.1 3.6 5.4#



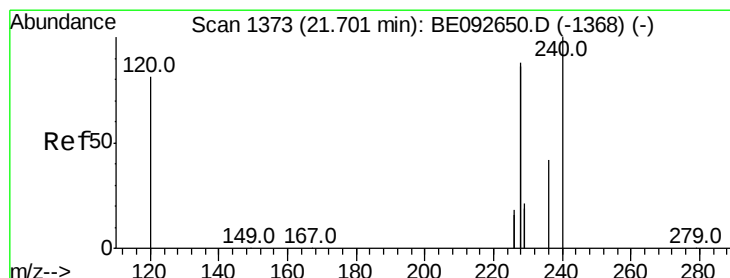
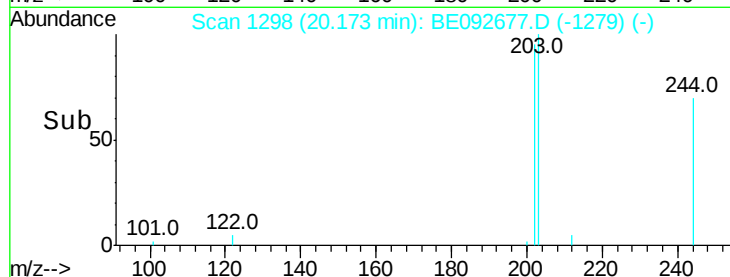
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#27

Benzo(a)anthracene

Concen: 0.14 ng

RT: 21.70 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

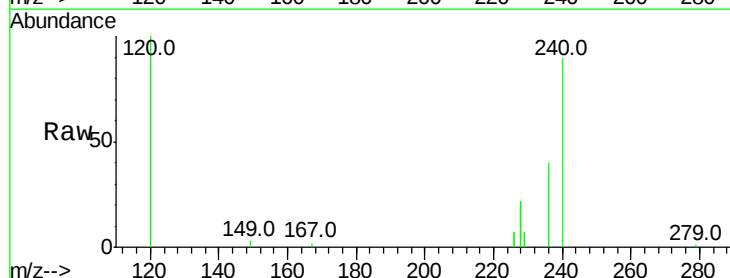
Tgt Ion:228 Resp: 9088

Ion Ratio Lower Upper

228 100

226 30.1 23.6 35.4

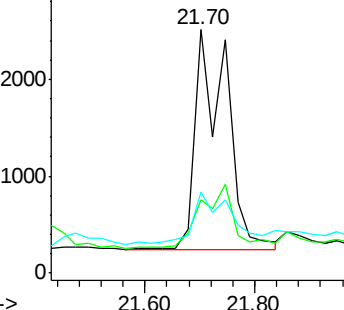
229 33.4 13.3 19.9#



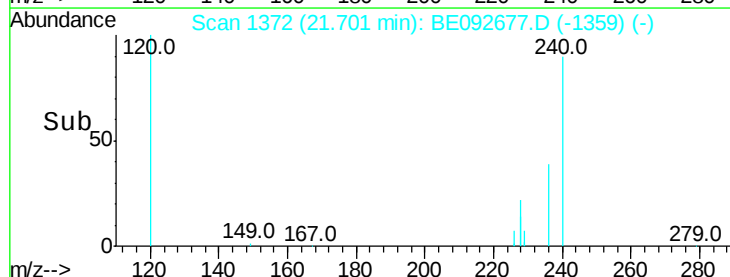
Abundance Ion 228.00 (227.70 to 228.70): E

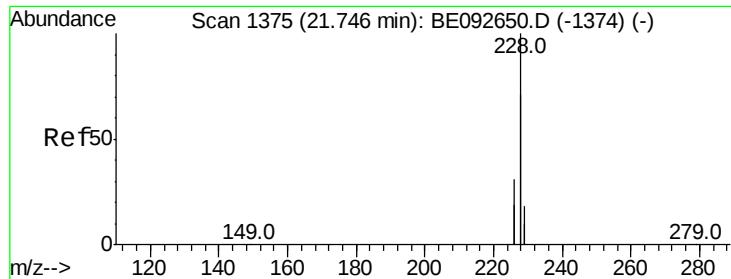
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#28

Chrysene

Concen: 0.13 ng

RT: 21.70 min Scan# 1372

Delta R.T. -0.05 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :

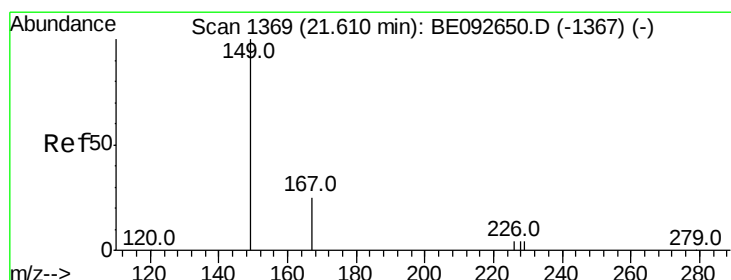
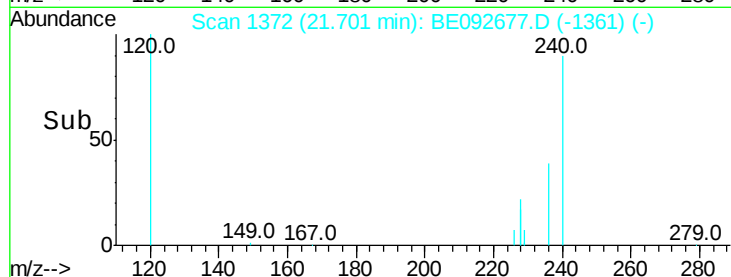
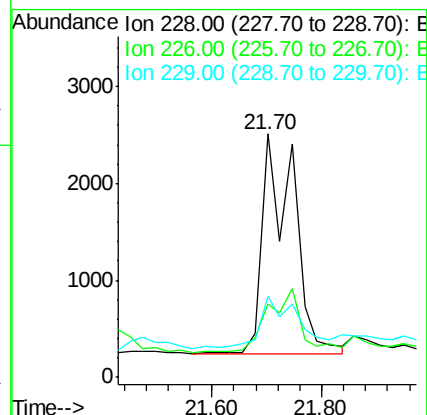
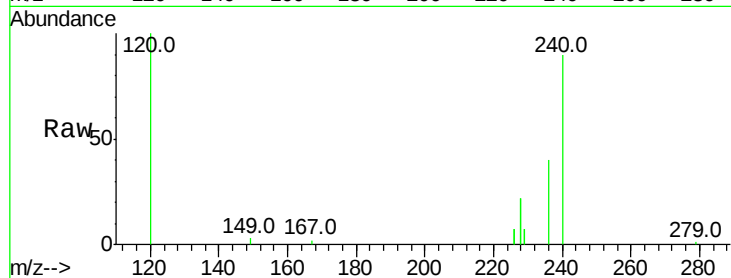
Tot Ion:228 Resp: 9088

Ion Ratio Lower Upper

228 100

226 30.1 36.3 54.5#

229 33.4 10.6 16.0#



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.61 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

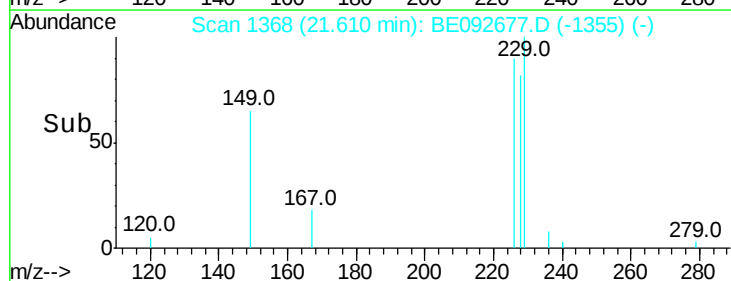
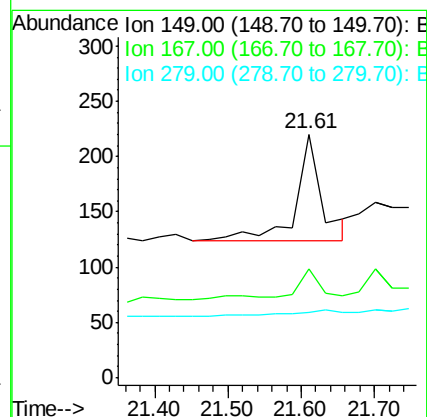
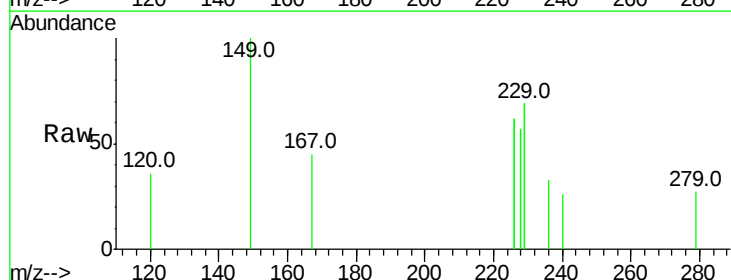
Tgt Ion:149 Resp: 235

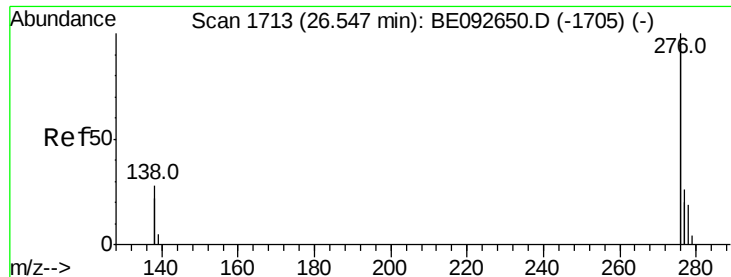
Ion Ratio Lower Upper

149 100

167 17.9 16.0 24.0

279 0.0 16.0 24.0#





#30

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 26.55 min Scan# 1712

Delta R.T. 0.00 min

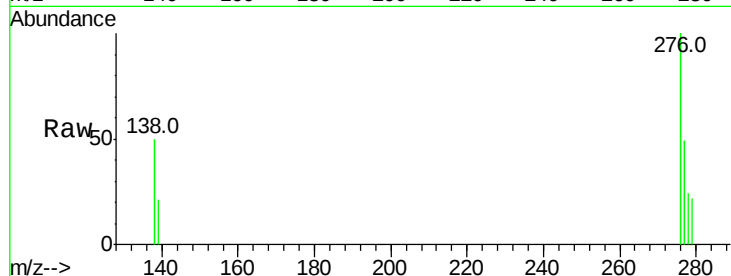
Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :



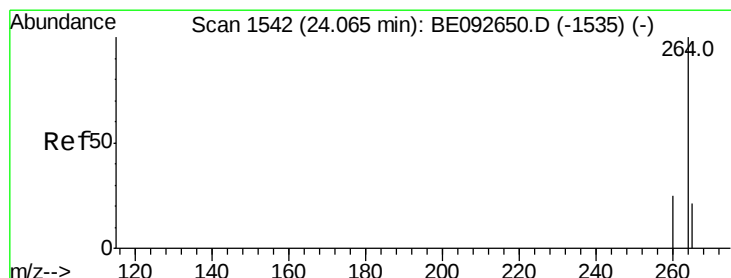
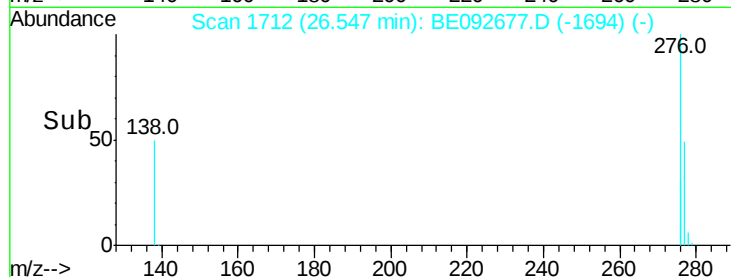
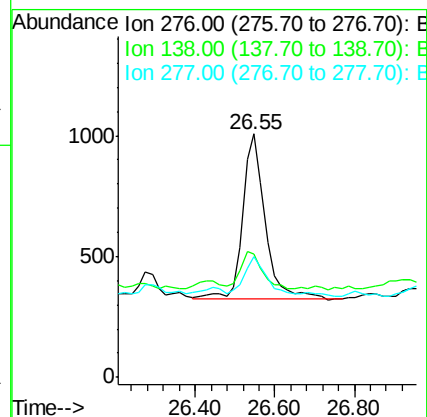
Tot Ion:276 Resp: 2675

Ion Ratio Lower Upper

276 100

138 21.6 20.3 30.5

277 22.1 19.7 29.5



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.07 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

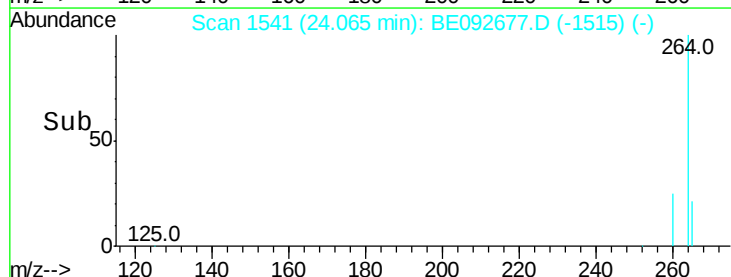
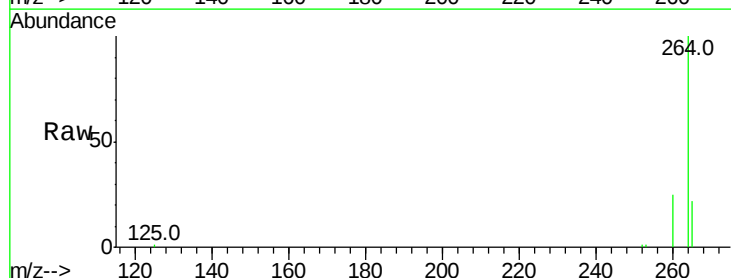
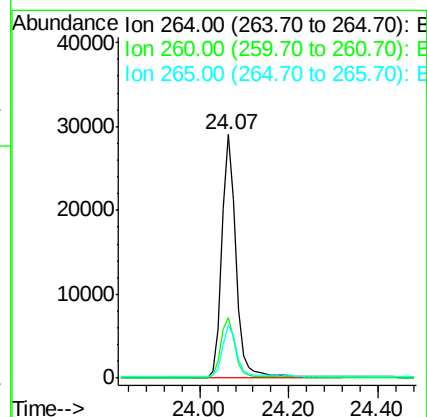
Tgt Ion:264 Resp: 64346

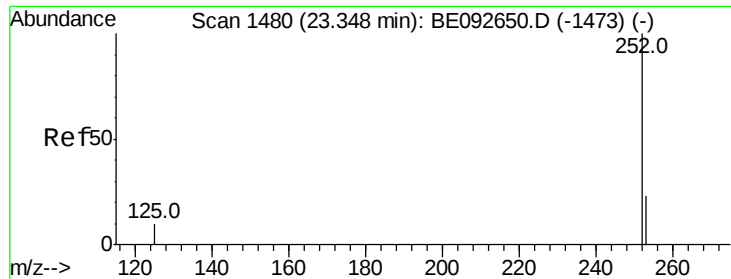
Ion Ratio Lower Upper

264 100

260 25.1 20.1 30.1

265 21.8 17.9 26.9





#32

Benzo(b)fluoranthene

Concen: 0.11 ng

RT: 23.35 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :

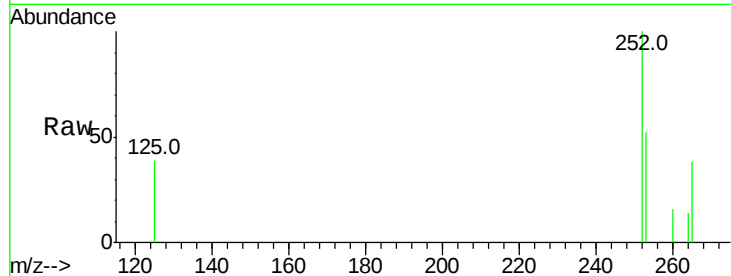
Tot Ion:252 Resp: 1635

Ion Ratio Lower Upper

252 100

253 51.9 18.7 28.1#

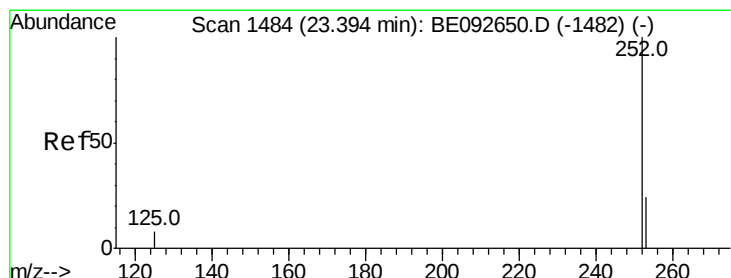
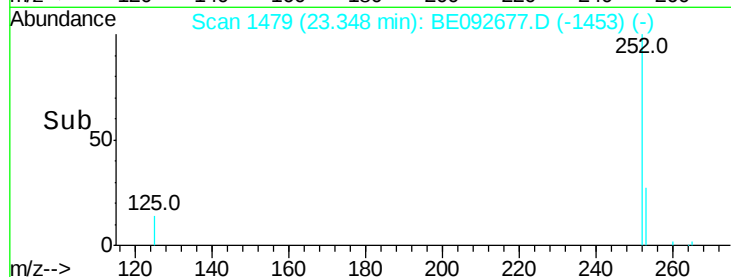
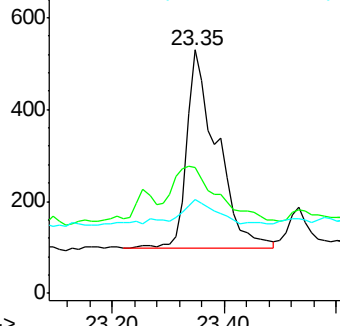
125 38.7 10.5 15.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#33

Benzo(k)fluoranthene

Concen: 0.10 ng

RT: 23.35 min Scan# 1479

Delta R.T. -0.05 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

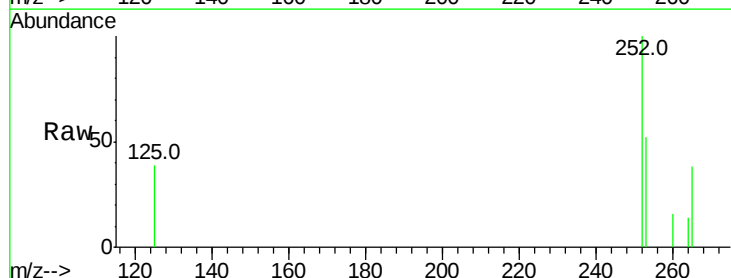
Tgt Ion:252 Resp: 1635

Ion Ratio Lower Upper

252 100

253 51.9 20.3 30.5#

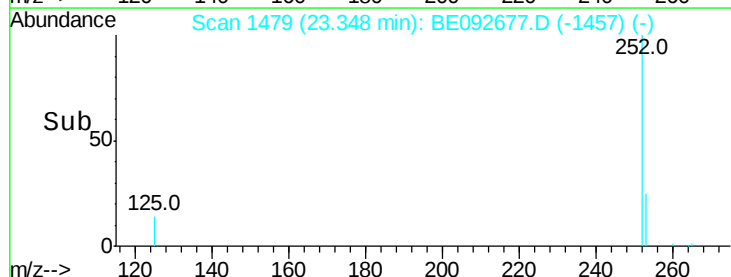
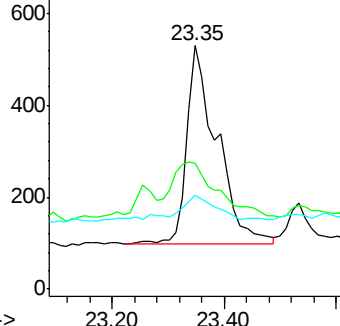
125 38.7 9.6 14.4#

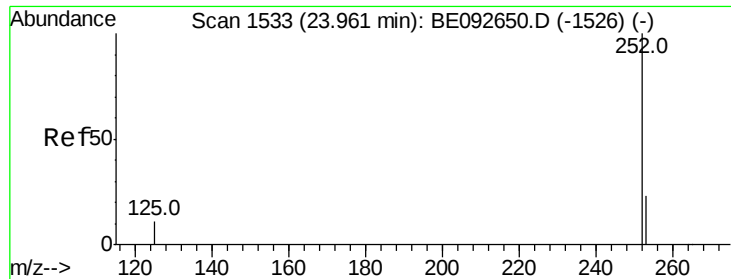


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#34

Benzo(a)pyrene

Concen: 0.06 ng

RT: 23.96 min Scan# 1532

Delta R.T. 0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_E

ClientSampleId :

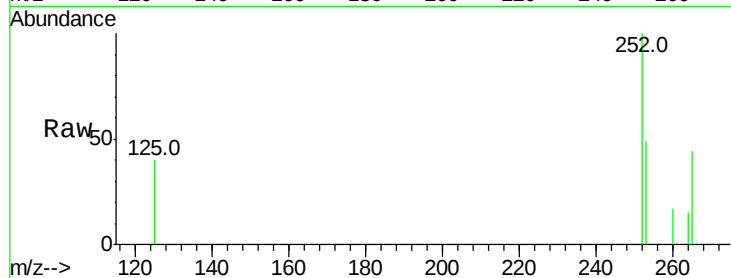
Tot Ion:252 Resp: 948

Ion Ratio Lower Upper

252 100

253 49.3 19.0 28.6#

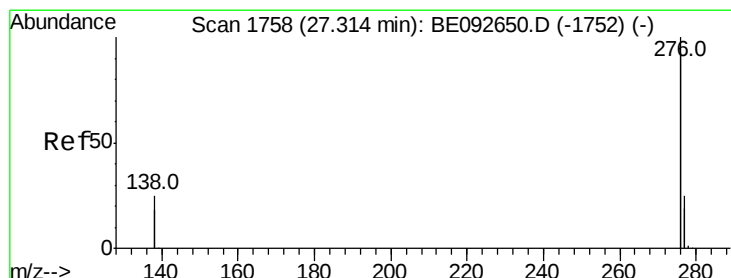
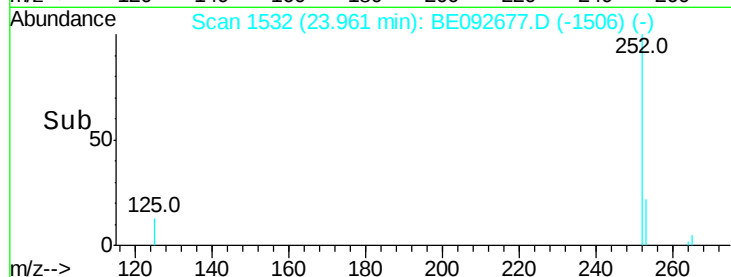
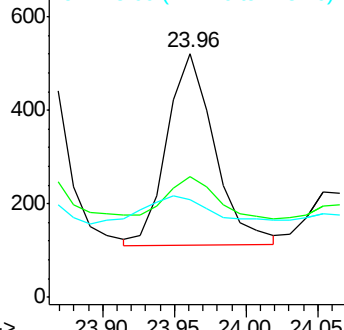
125 40.1 11.8 17.8#



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



#36

Benzo(g,h,i)perylene

Concen: 0.07 ng

RT: 27.31 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BE092677.D

Acq: 24 Jan 2017 22:18

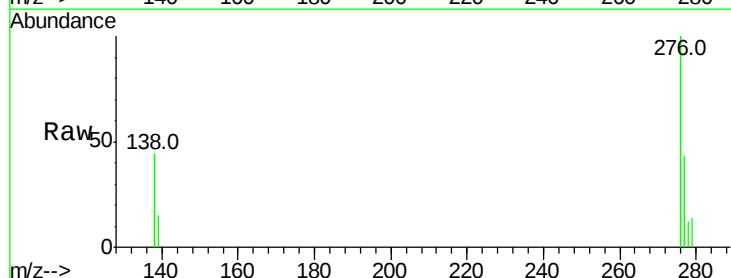
Tgt Ion:276 Resp: 4221

Ion Ratio Lower Upper

276 100

277 42.8 19.8 29.8#

138 43.8 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

