

Data Path : S:\HPCHEM1\BNA_E\DATA\BE050517\
 Data File : BE092922.D
 Acq On : 5 May 2017 9:50
 Operator : SJ/MA
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Quant Time: May 05 13:06:57 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE050517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 05 11:39:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	735	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3142	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1355	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3447	0.40	ng	0.00
26) Chrysene-d12	21.28	240	3286	0.40	ng	0.00
33) Perylene-d12	23.70	264	2615	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	176	0.11	ng	0.00
5) Phenol-d6	6.94	99	245	0.11	ng	0.00
8) Nitrobenzene-d5	8.92	82	210	0.10	ng	0.02
11) 2-Methylnaphthalene-d10	12.13	152	474	0.10	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	21	0.09	ng	0.01
15) 2-Fluorobiphenyl	13.02	172	671	0.11	ng	0.01
24) Fluoranthene-d10	19.15	212	828	0.10	ng	0.00
28) Terphenyl-d14	19.74	244	587	0.10	ng	0.00

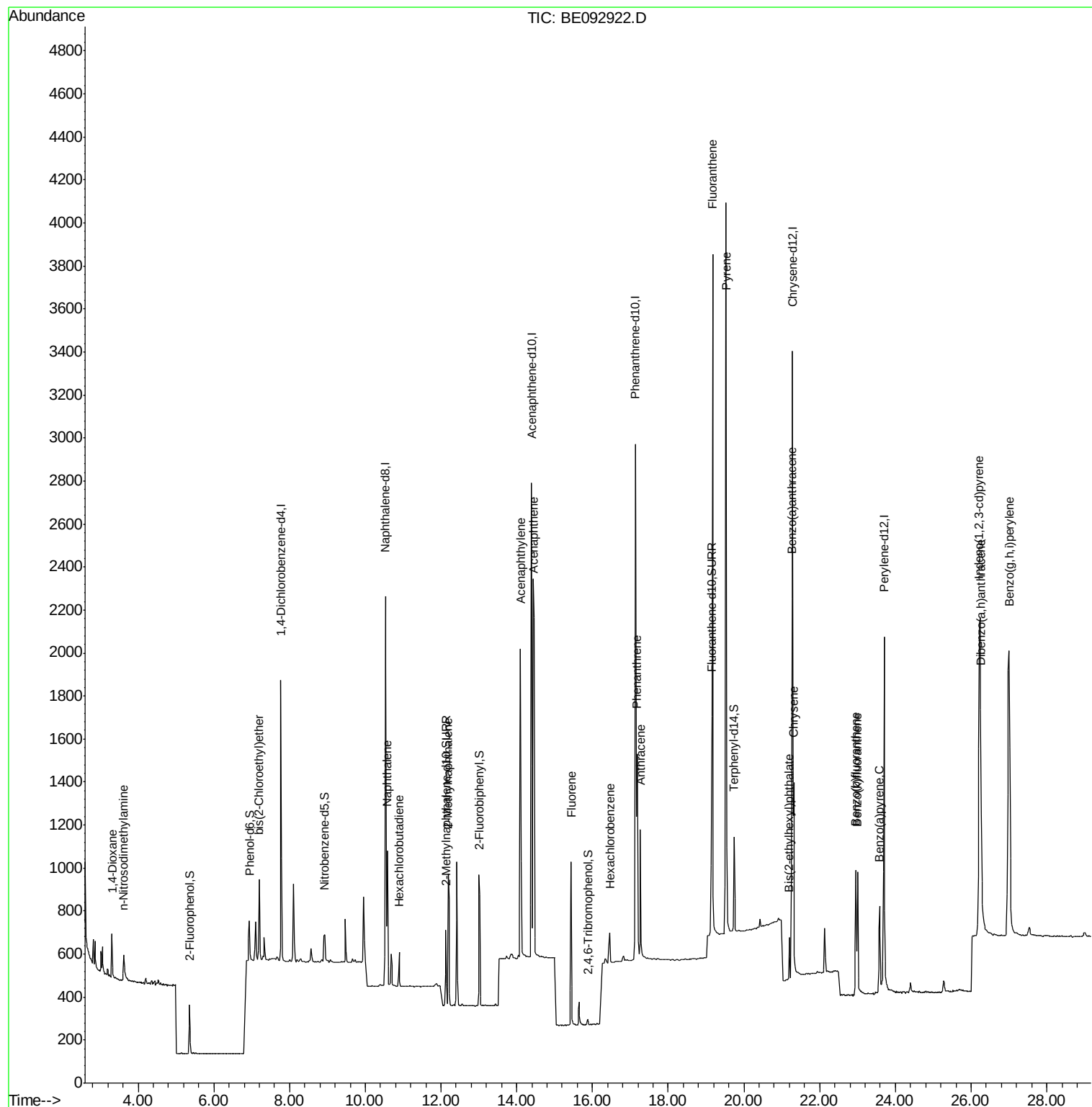
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	150	0.11	ng	99
3) n-Nitrosodimethylamine	3.62	42	103	0.10	ng	# 74
6) bis(2-Chloroethyl)ether	7.20	93	300	0.11	ng	98
9) Naphthalene	10.58	128	873	0.10	ng	98
10) Hexachlorobutadiene	10.89	225	115	0.10	ng	96
12) 2-Methylnaphthalene	12.19	142	510	0.10	ng	94
16) Acenaphthylene	14.10	152	1997	0.09	ng	100
17) Acenaphthene	14.45	154	436	0.10	ng	92
18) Fluorene	15.44	166	555	0.11	ng	96
20) Hexachlorobenzene	16.46	284	164	0.11	ng	# 100
22) Phenanthrene	17.18	178	1092	0.11	ng	97
23) Anthracene	17.27	178	763	0.10	ng	99
25) Fluoranthene	19.17	202	4078	0.09	ng	# 97
27) Pyrene	19.53	202	4275	0.10	ng	# 100
29) Benzo(a)anthracene	21.27	228	751	0.10	ng	# 88
30) Chrysene	21.32	228	1014	0.10	ng	# 83
31) Bis(2-ethylhexyl)phthalate	21.20	149	259	0.13	ng	# 97
32) Indeno(1,2,3-cd)pyrene	26.22	276	3431	0.11	ng	97
34) Benzo(b)fluoranthene	22.95	252	910	0.10	ng	99
35) Benzo(k)fluoranthene	23.01	252	738	0.08	ng	99
36) Benzo(a)pyrene	23.58	252	670	0.09	ng	96
37) Dibenzo(a,h)anthracene	26.25	278	728	0.09	ng	97
38) Benzo(g,h,i)perylene	27.00	276	3359	0.09	ng	95

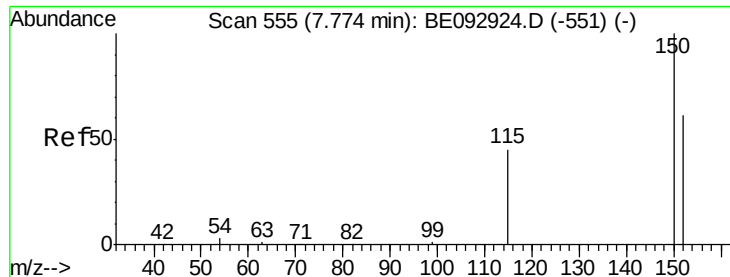
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
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SSTDICC0.1

Quant Time: May 05 13:06:57 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE050517.M
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QLast Update : Fri May 05 11:39:16 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

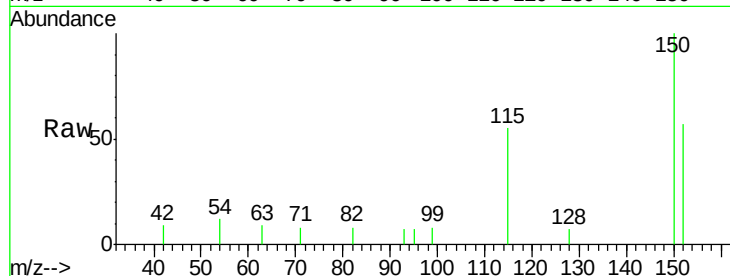
Tgt Ion:152 Resp: 735

Ion Ratio Lower Upper

152 100

150 174.5 129.9 194.9

115 96.2 62.6 93.8#

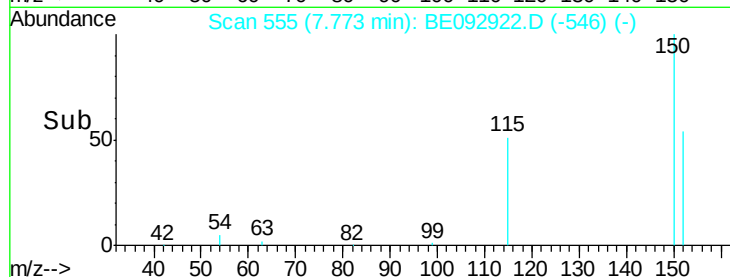


Abundance Ion 152.00 (151.70 to 152.70): E

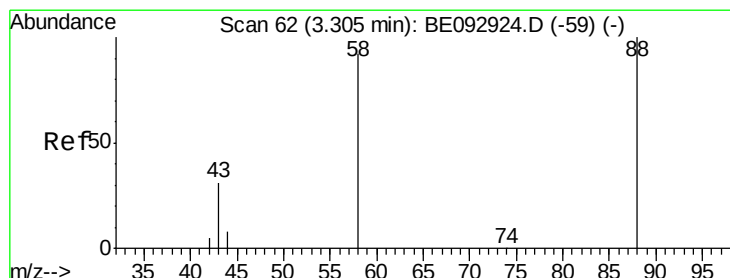
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.77



Time-->



#2

1,4-Dioxane

Concen: 0.11 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

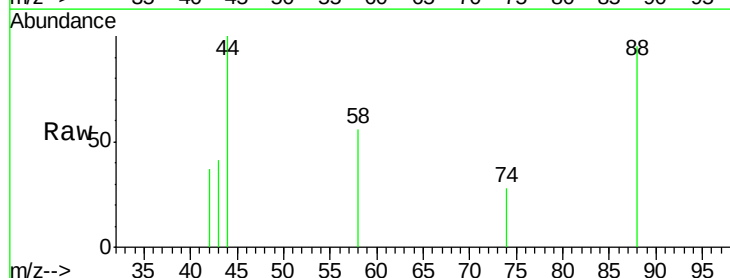
Tgt Ion: 88 Resp: 150

Ion Ratio Lower Upper

88 100

58 80.0 64.9 97.3

43 34.0 26.6 40.0

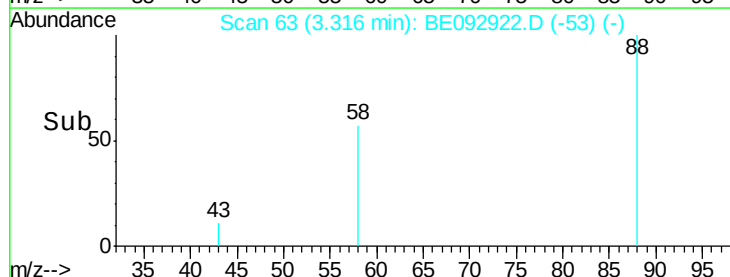


Abundance Ion 88.00 (87.70 to 88.70): BE0

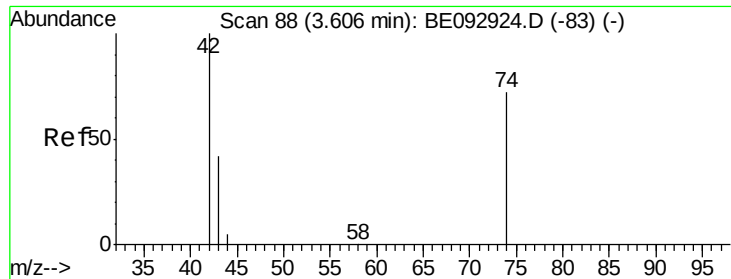
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.32



Time-->



#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.62 min Scan# 89

Delta R.T. 0.01 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

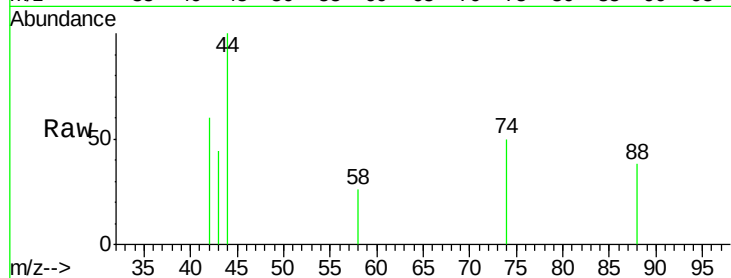
Tgt Ion: 42 Resp: 103

Ion Ratio Lower Upper

42 100

74 111.7 106.6 160.0

44 0.0 25.7 38.5#



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

250

200

150

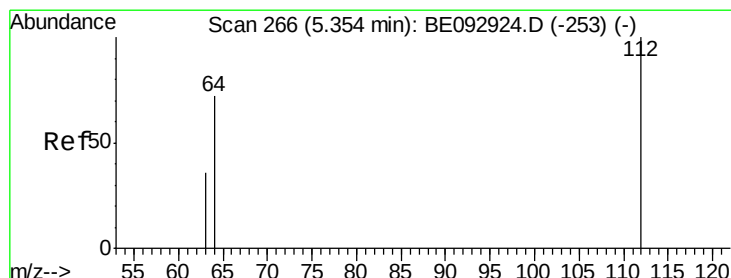
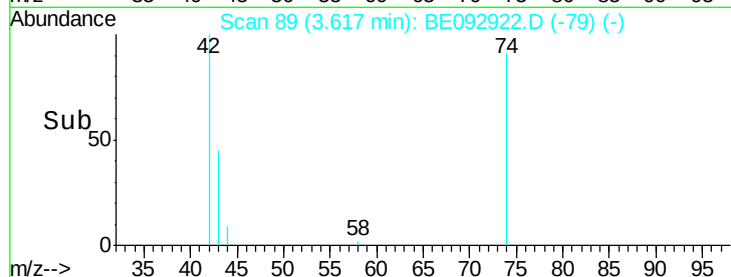
100

50

0

3.55 3.60 3.65

Time-->



#4

2-Fluorophenol

Concen: 0.11 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.01 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

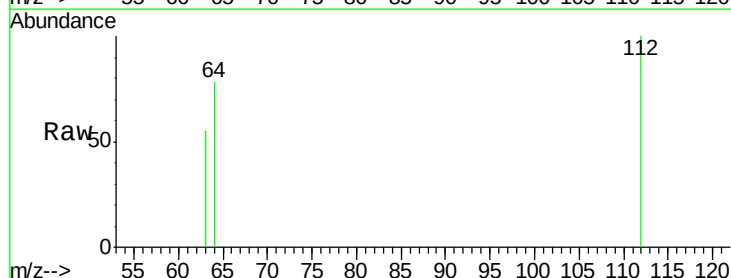
Tgt Ion: 112 Resp: 176

Ion Ratio Lower Upper

112 100

64 67.6 52.6 79.0

63 37.5 29.0 43.4



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

200

150

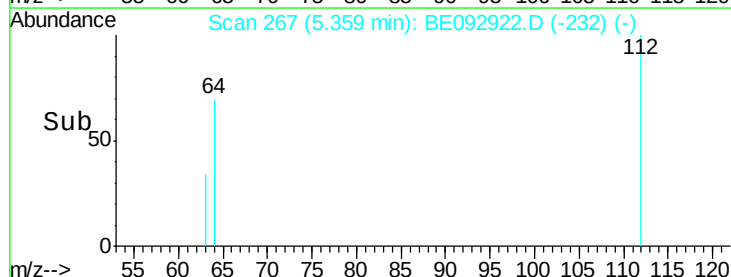
100

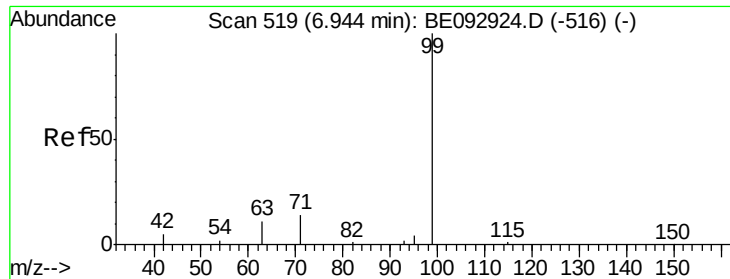
50

0

5.25 5.30 5.35 5.40 5.45

Time-->





#5

Phenol-d6

Concen: 0.11 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

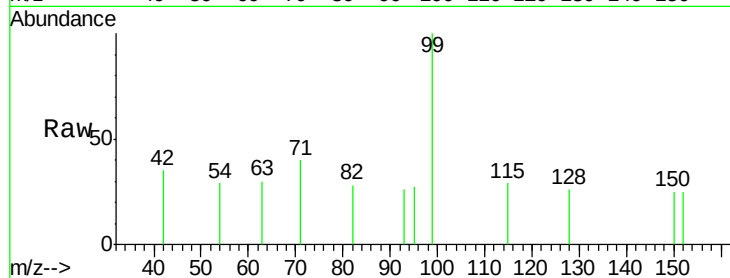
Tgt Ion: 99 Resp: 245

Ion Ratio Lower Upper

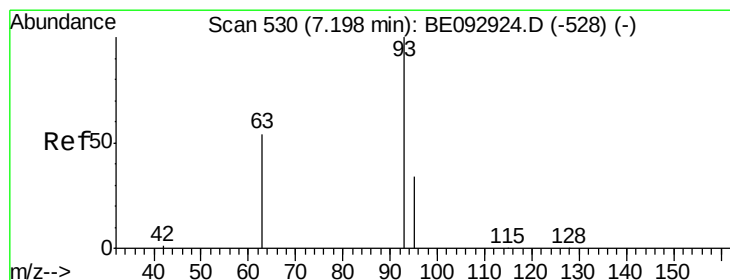
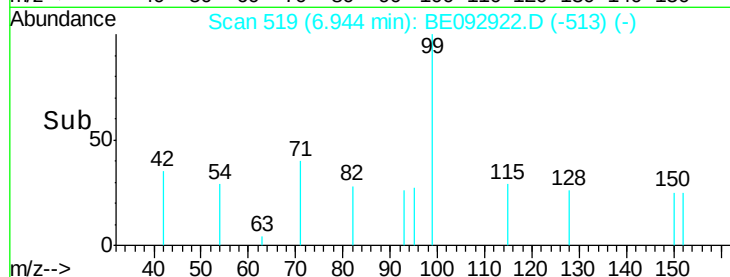
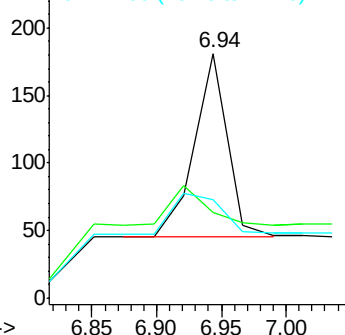
99 100

42 0.0 0.0 0.0

71 0.0 0.0 0.0



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.11 ng

RT: 7.20 min Scan# 530

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

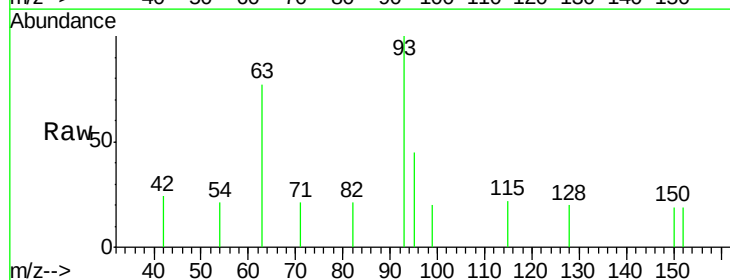
Tgt Ion: 93 Resp: 300

Ion Ratio Lower Upper

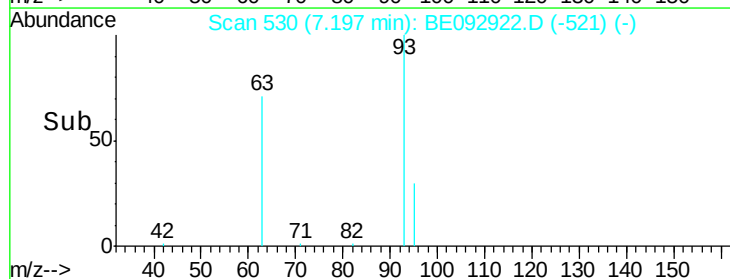
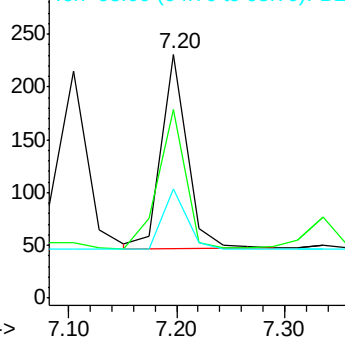
93 100

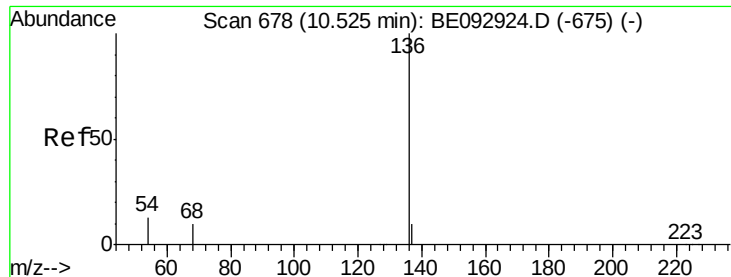
63 74.3 61.2 91.8

95 31.3 25.5 38.3



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

Tgt Ion: 136 Resp: 3142

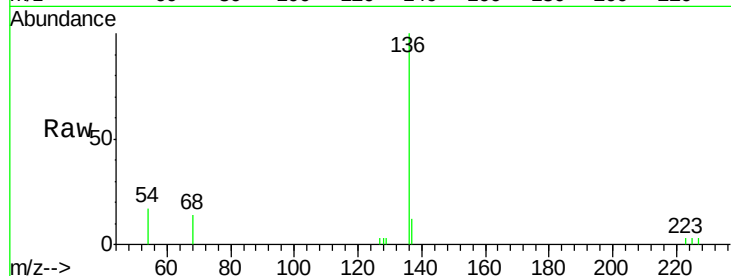
Ion Ratio Lower Upper

136 100

137 12.5 10.4 15.6

54 17.4 12.6 18.8

68 14.3 10.7 16.1

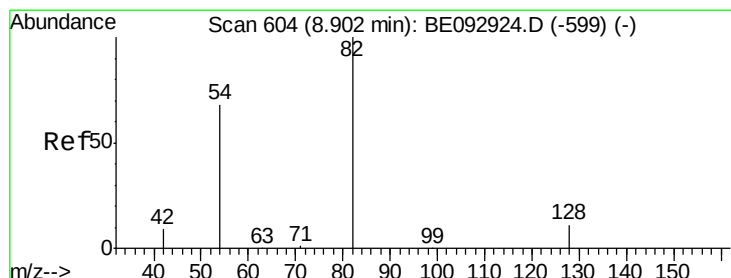
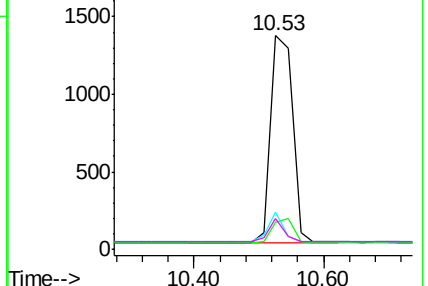
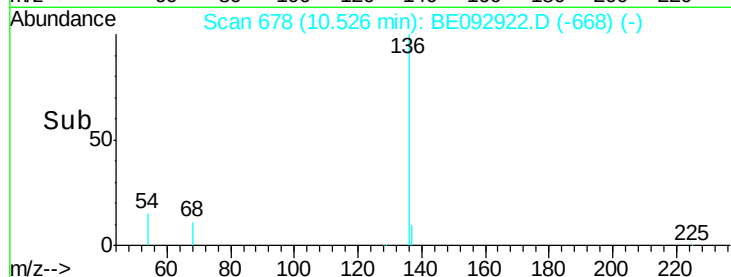


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.10 ng

RT: 8.92 min Scan# 605

Delta R.T. 0.02 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

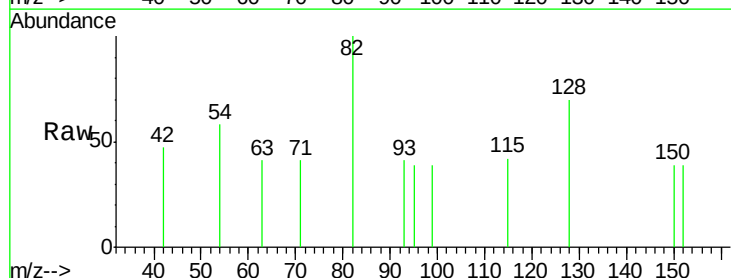
Tgt Ion: 82 Resp: 210

Ion Ratio Lower Upper

82 100

128 69.8 35.3 52.9#

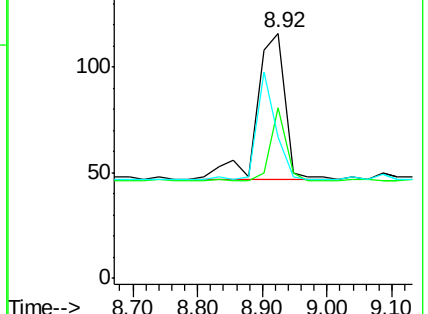
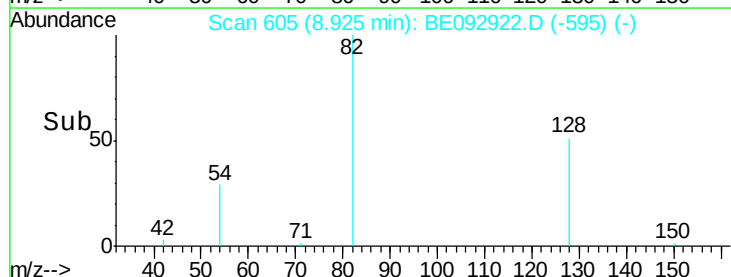
54 57.8 65.1 97.7#

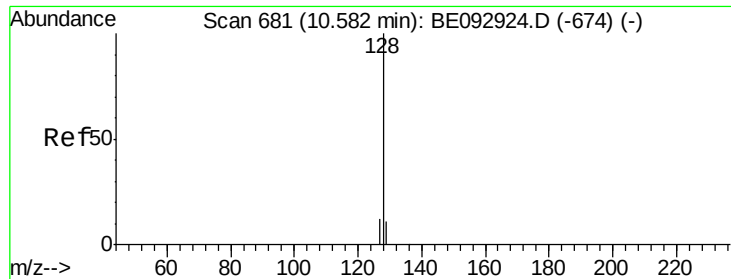


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.10 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

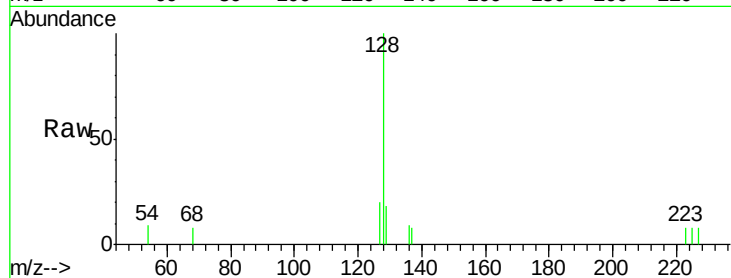
Tgt Ion:128 Resp: 873

Ion Ratio Lower Upper

128 100

129 18.4 15.8 23.8

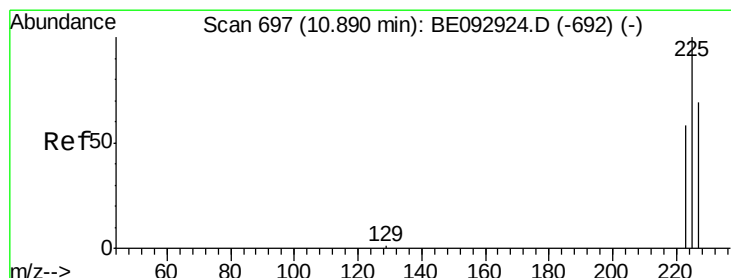
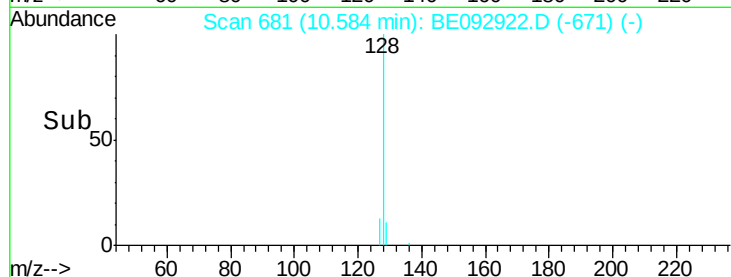
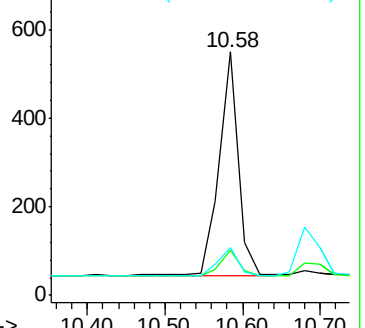
127 19.7 16.0 24.0



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: 0.10 ng

RT: 10.89 min Scan# 697

Delta R.T. 0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

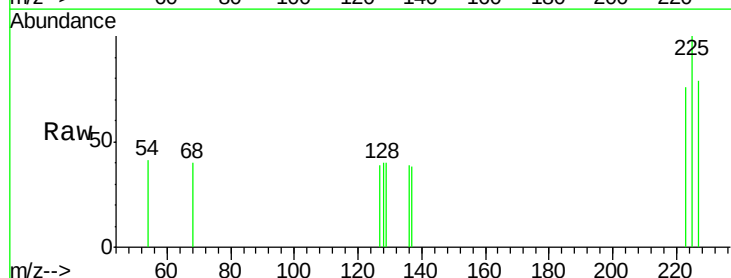
Tgt Ion:225 Resp: 115

Ion Ratio Lower Upper

225 100

223 69.6 55.4 83.2

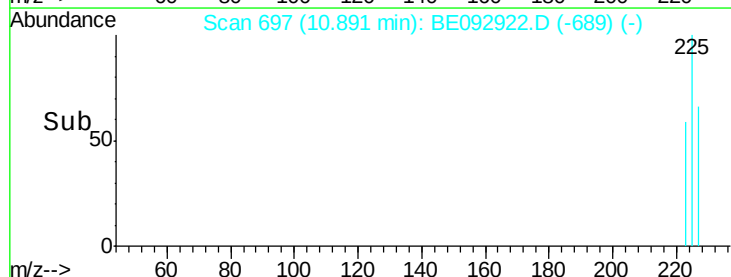
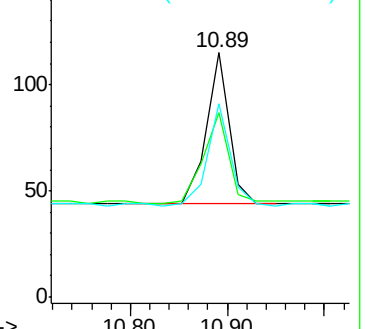
227 71.3 52.2 78.4

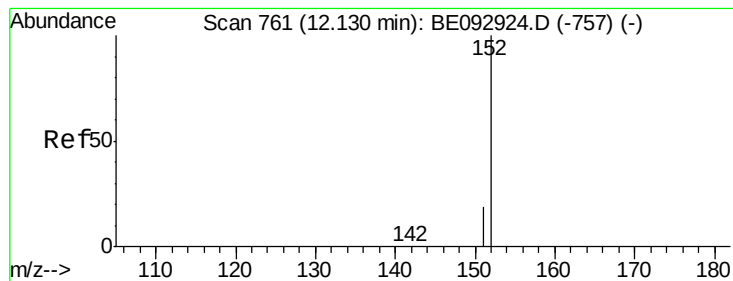


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.10 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

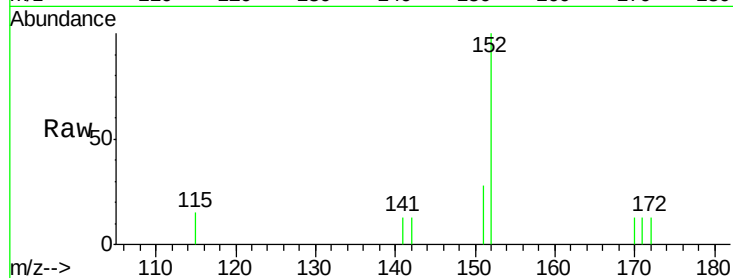
SSTDICC0.1

Tgt Ion:152 Resp: 474

Ion Ratio Lower Upper

152 100

151 18.6 15.7 23.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.13

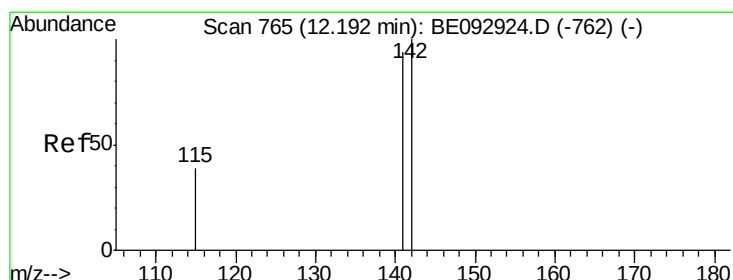
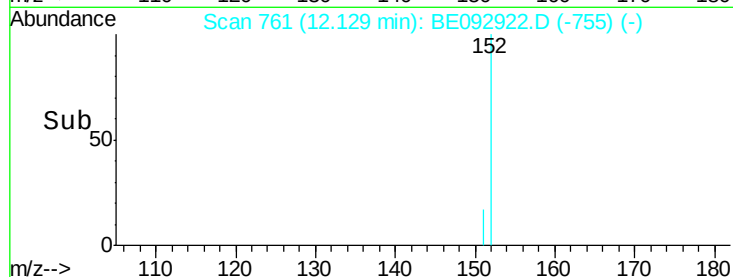
300

200

100

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.10 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

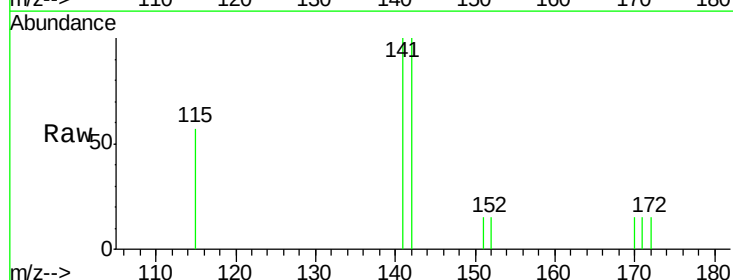
Tgt Ion:142 Resp: 510

Ion Ratio Lower Upper

142 100

141 99.7 76.0 114.0

115 56.8 41.6 62.4



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

12.19

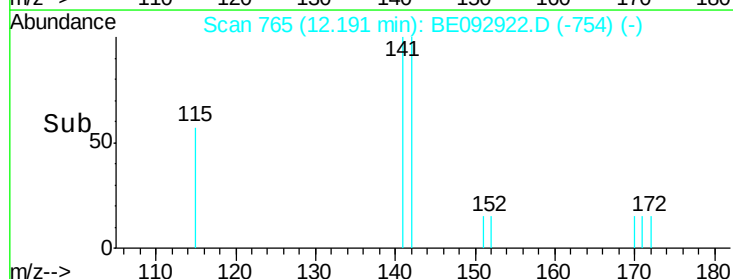
300

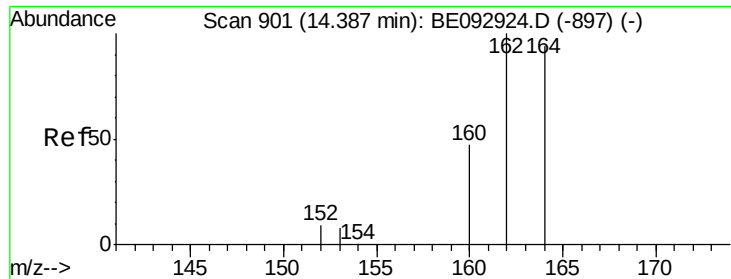
200

100

0

Time-->

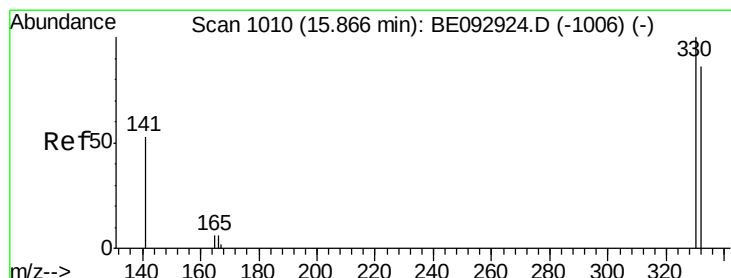
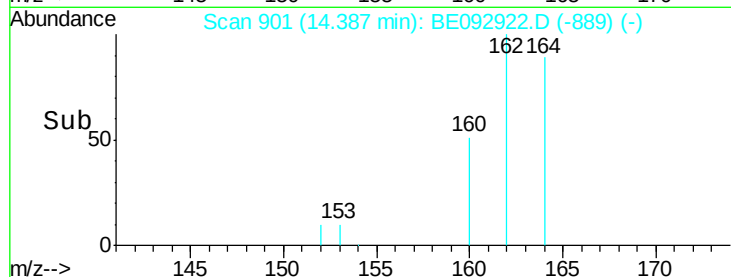
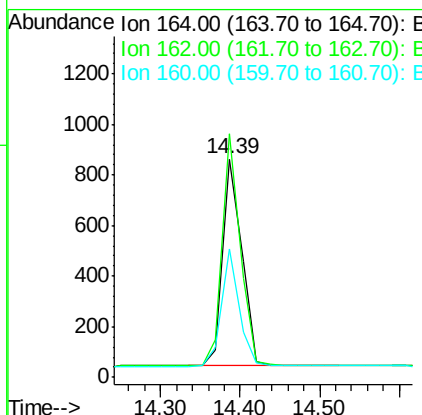
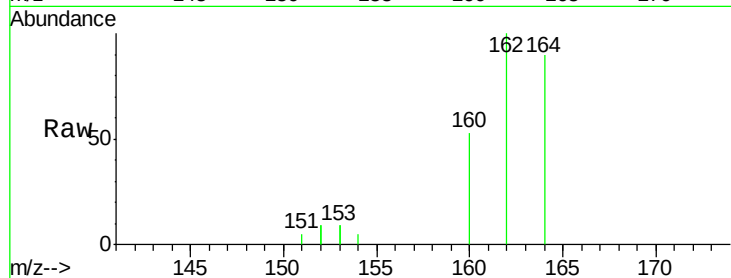




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE092922.D
Acq: 5 May 2017 9:50

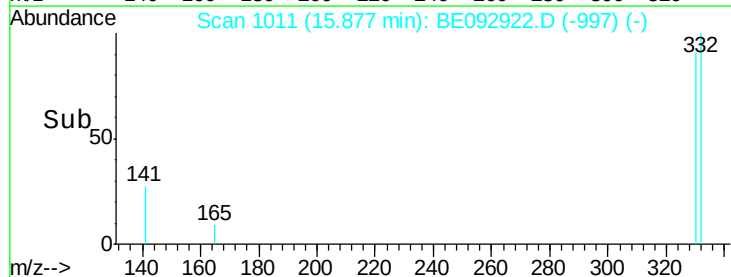
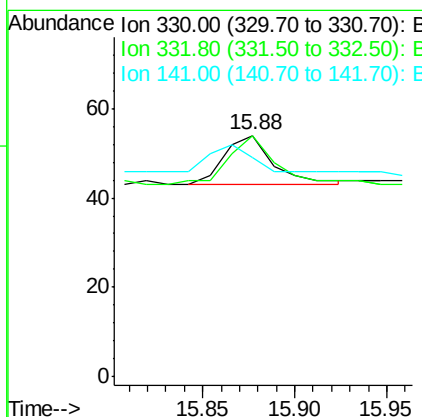
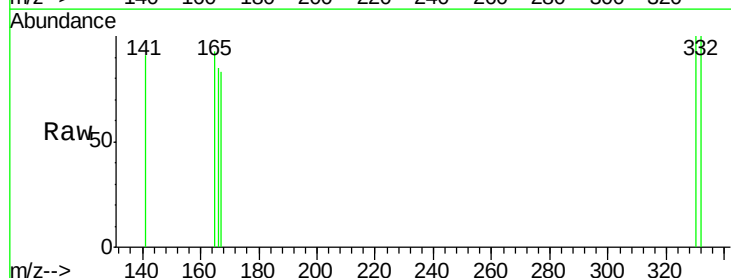
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

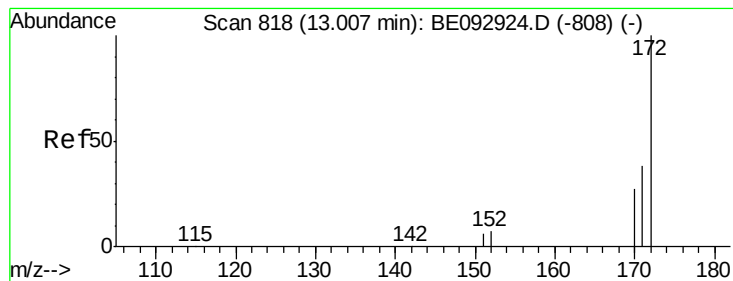
Tgt Ion:164 Resp: 1355
Ion Ratio Lower Upper
164 100
162 111.5 86.6 130.0
160 58.8 44.5 66.7



#14
2,4,6-Tribromophenol
Concen: 0.09 ng
RT: 15.88 min Scan# 1011
Delta R.T. 0.01 min
Lab File: BE092922.D
Acq: 5 May 2017 9:50

Tgt Ion:330 Resp: 21
Ion Ratio Lower Upper
330 100
332 100.0 69.1 103.7
141 76.2 54.6 81.8





#15

2-Fluorobiphenyl

Concen: 0.11 ng

RT: 13.02 min Scan# 819

Delta R.T. 0.01 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

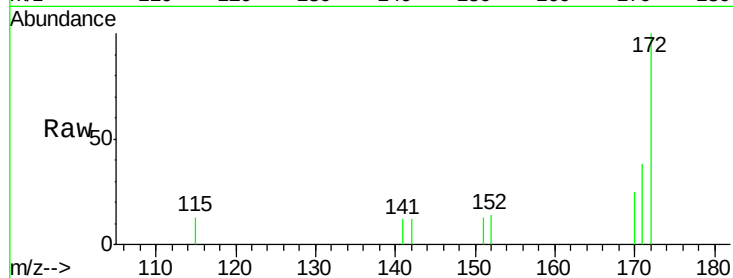
Tgt Ion:172 Resp: 671

Ion Ratio Lower Upper

172 100

171 37.5 35.8 53.6

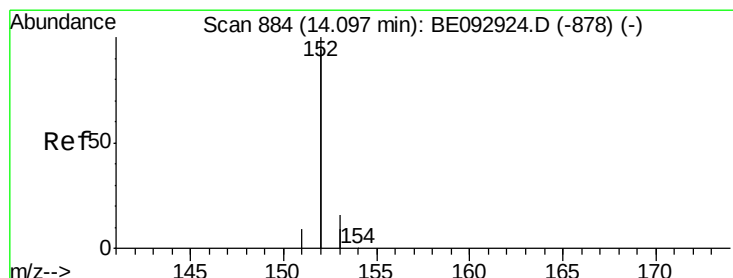
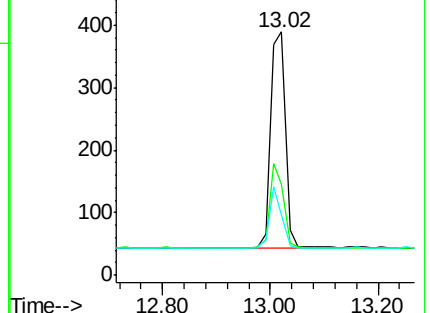
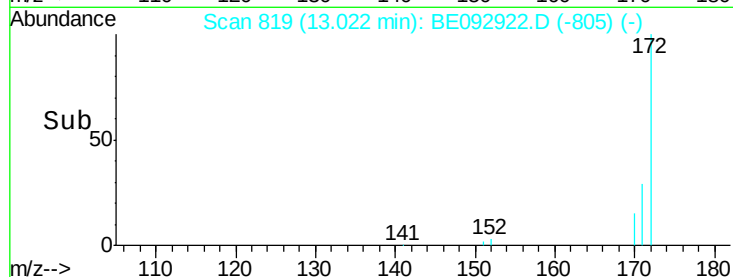
170 24.7 28.5 42.7#



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



#16

Acenaphthylene

Concen: 0.09 ng

RT: 14.10 min Scan# 884

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

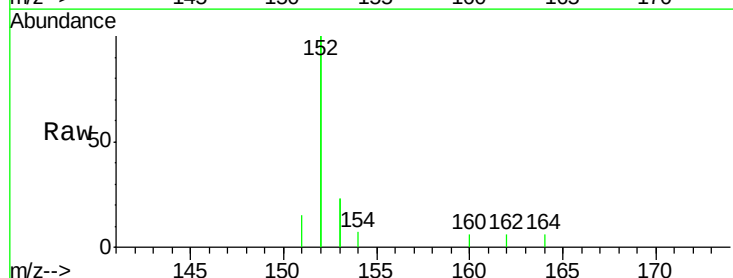
Tgt Ion:152 Resp: 1997

Ion Ratio Lower Upper

152 100

151 4.7 3.8 5.8

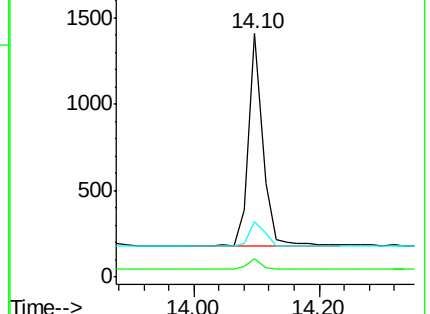
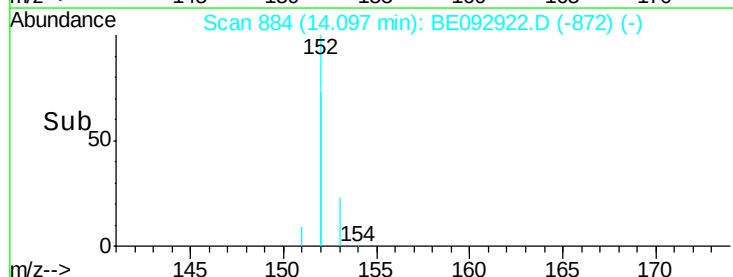
153 12.7 10.0 15.0

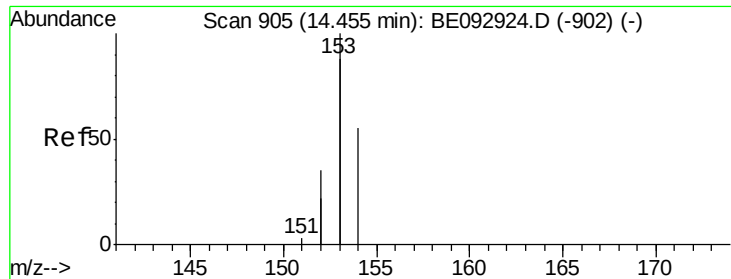


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

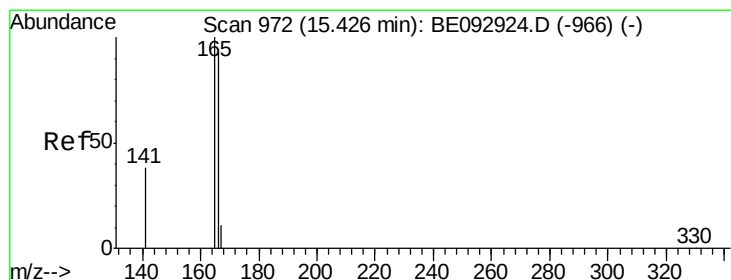
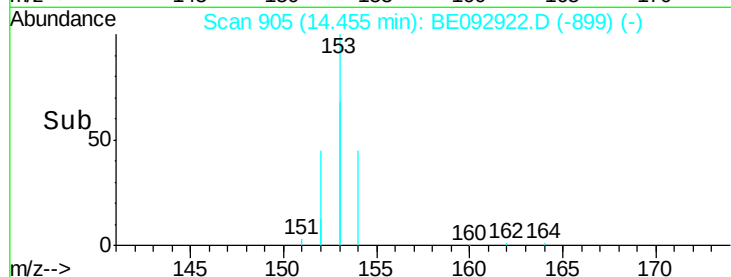
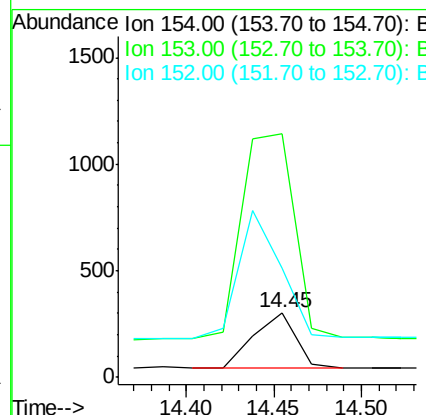
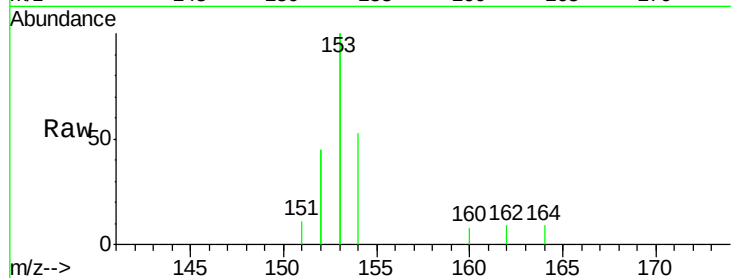




#17
Acenaphthene
Concen: 0.10 ng
RT: 14.45 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE092922.D
Acq: 5 May 2017 9:50

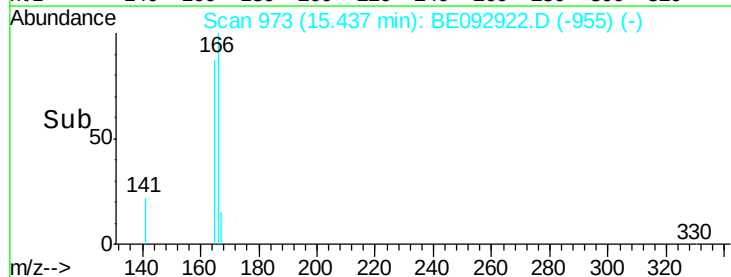
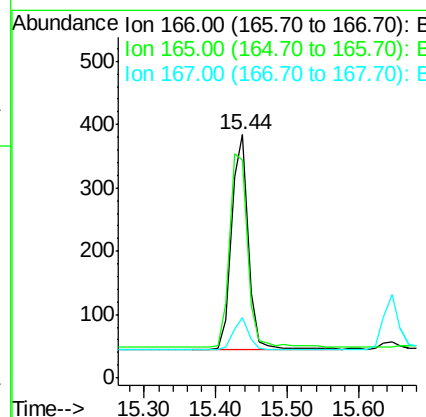
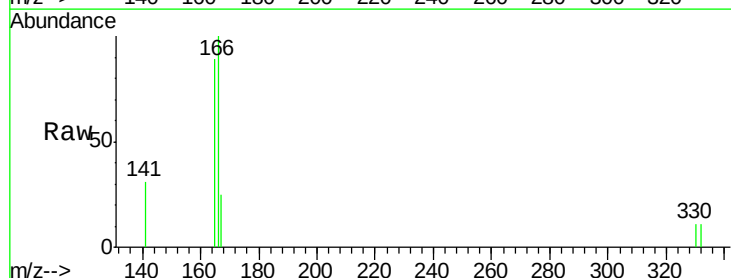
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

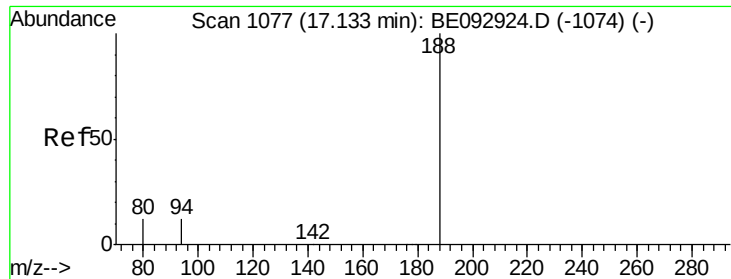
Tgt Ion:154 Resp: 436
Ion Ratio Lower Upper
154 100
153 466.1 355.6 533.4
152 235.8 177.8 266.8



#18
Fluorene
Concen: 0.11 ng
RT: 15.44 min Scan# 973
Delta R.T. 0.01 min
Lab File: BE092922.D
Acq: 5 May 2017 9:50

Tgt Ion:166 Resp: 555
Ion Ratio Lower Upper
166 100
165 96.9 80.7 121.1
167 13.0 11.3 16.9





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1077

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

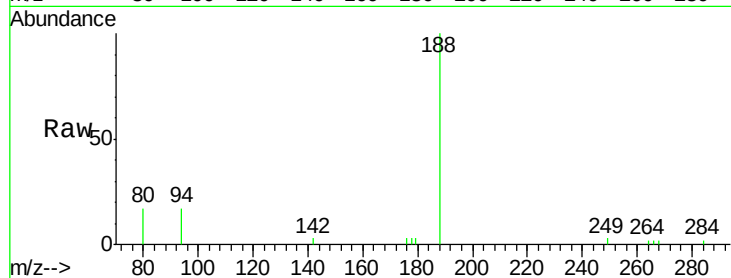
Tgt Ion:188 Resp: 3447

Ion Ratio Lower Upper

188 100

94 16.6 10.2 15.4#

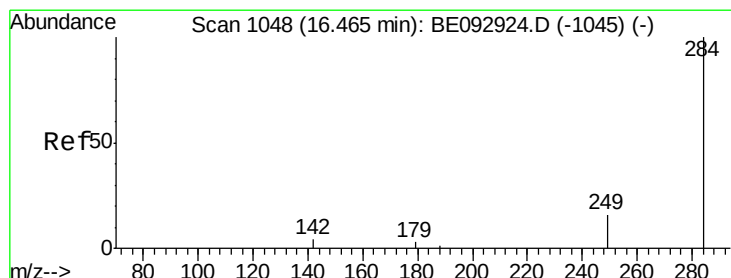
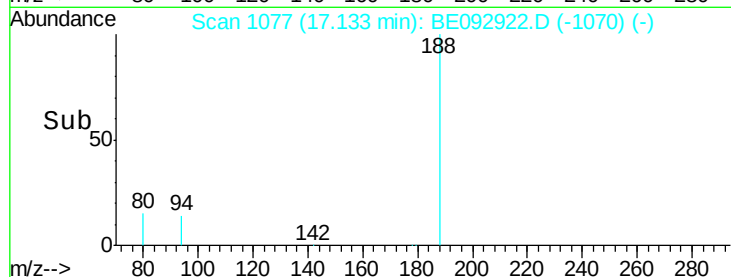
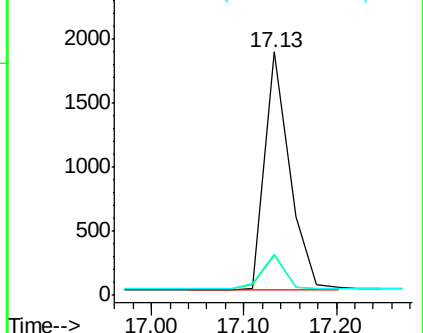
80 17.1 10.6 15.8#



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



#20

Hexachlorobenzene

Concen: 0.11 ng

RT: 16.46 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

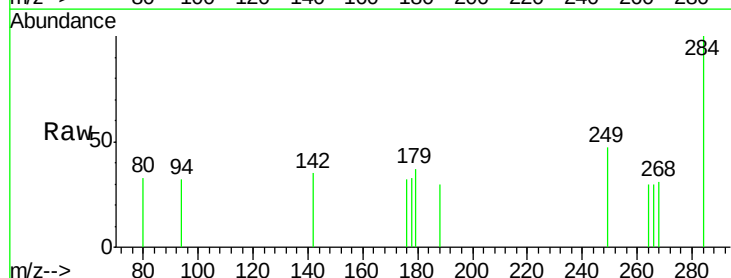
Tgt Ion:284 Resp: 164

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

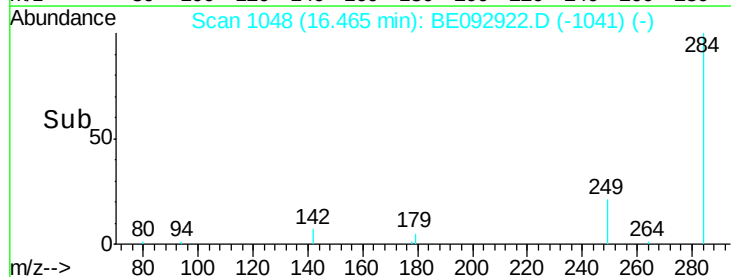
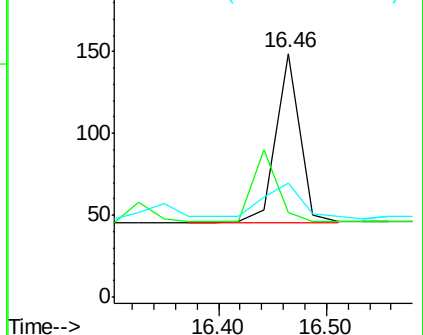
249 32.9 0.0 0.0#

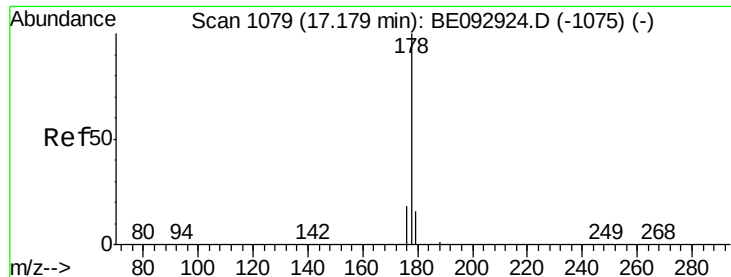


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Phenanthrene

Concen: 0.11 ng

RT: 17.18 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

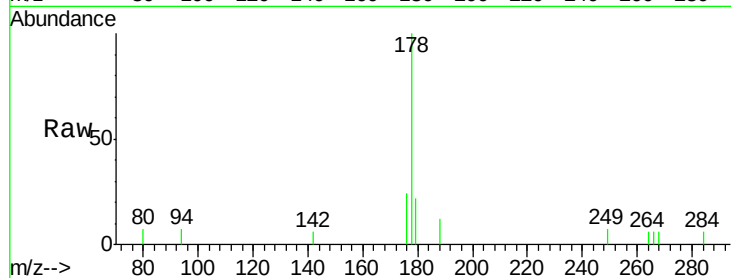
Tgt Ion:178 Resp: 1092

Ion Ratio Lower Upper

178 100

176 19.9 14.2 21.4

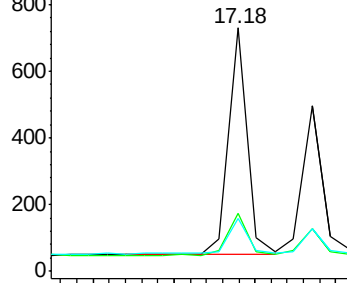
179 16.7 13.6 20.4



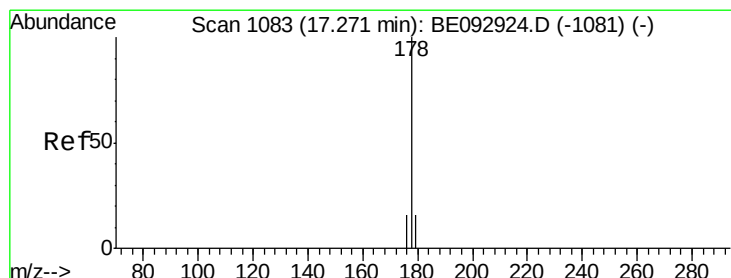
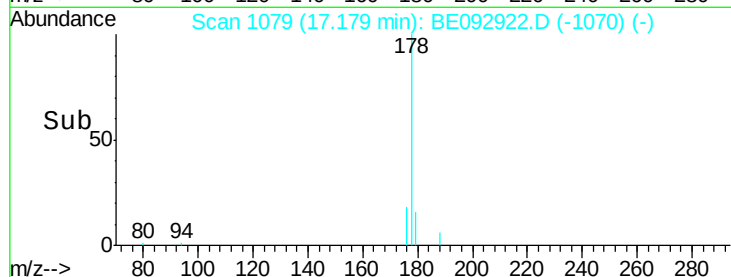
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#23

Anthracene

Concen: 0.10 ng

RT: 17.27 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

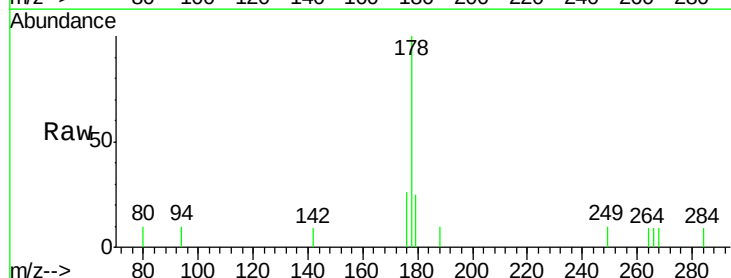
Tgt Ion:178 Resp: 763

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

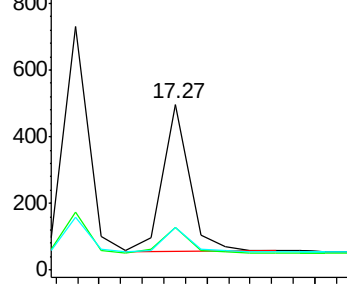
179 16.5 12.8 19.2



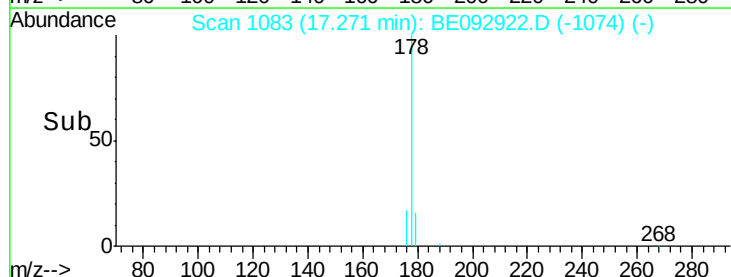
Abundance Ion 178.00 (177.70 to 178.70): E

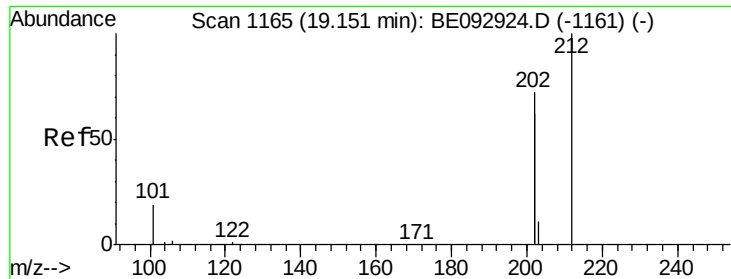
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

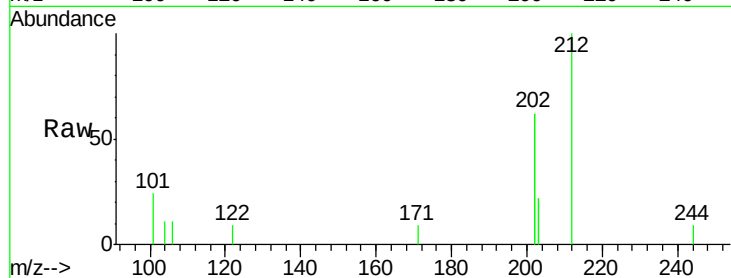




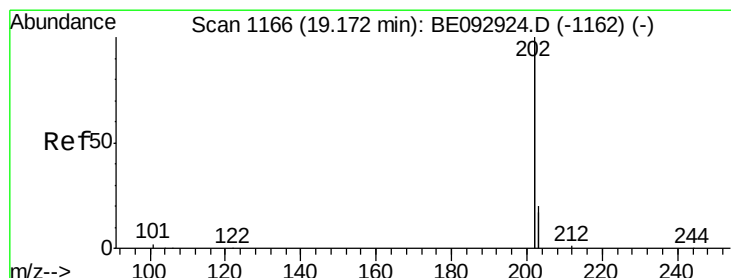
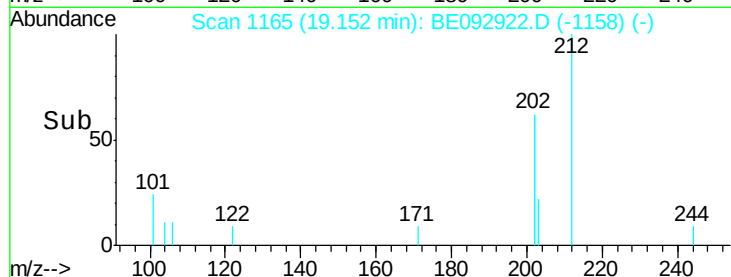
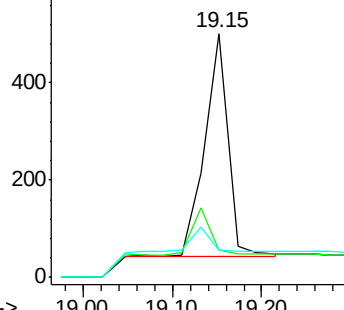
#24
Fluoranthene-d10
Concen: 0.10 ng
RT: 19.15 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BE092922.D
Acq: 5 May 2017 9:50

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion: 212 Resp: 828
Ion Ratio Lower Upper
212 100
106 0.0 0.0 0.0
104 0.0 0.0 0.0

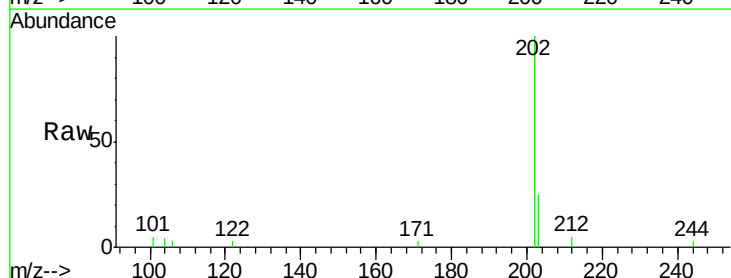


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

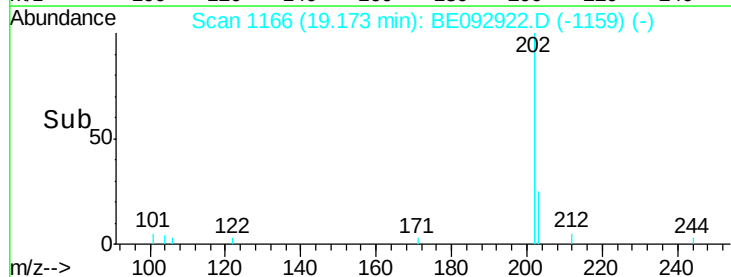
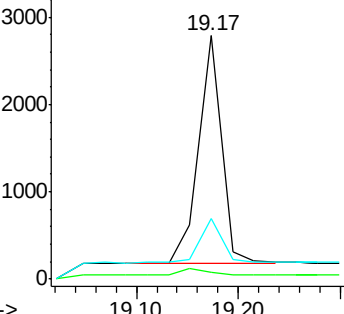


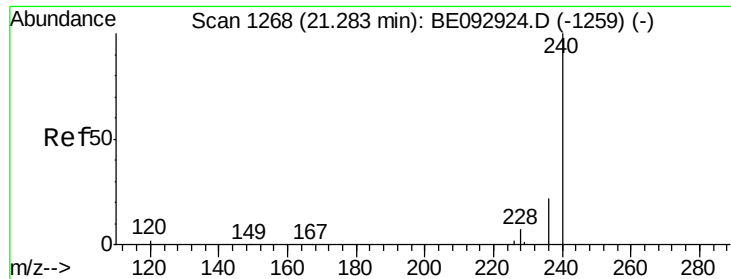
#25
Fluoranthene
Concen: 0.09 ng
RT: 19.17 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BE092922.D
Acq: 5 May 2017 9:50

Tgt Ion: 202 Resp: 4078
Ion Ratio Lower Upper
202 100
101 0.0 0.0 0.0
203 17.6 15.3 22.9



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

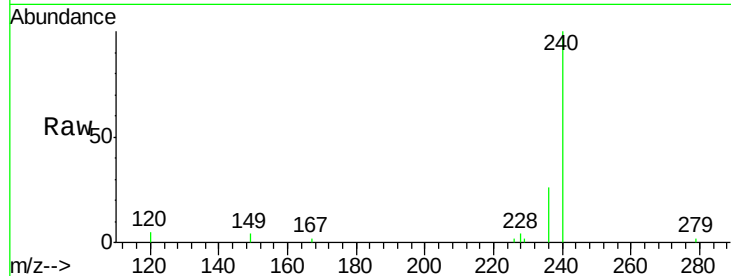




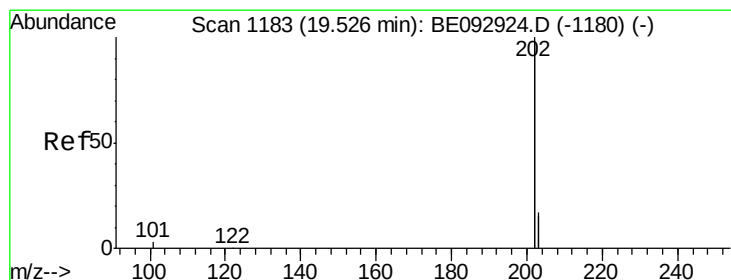
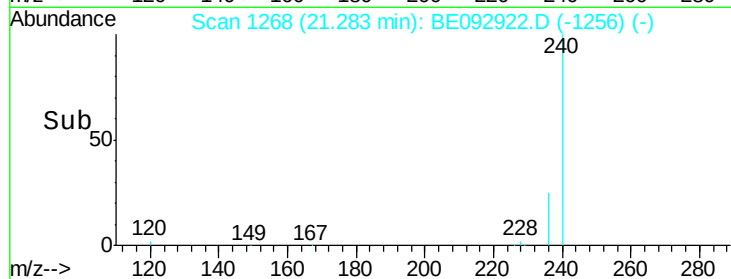
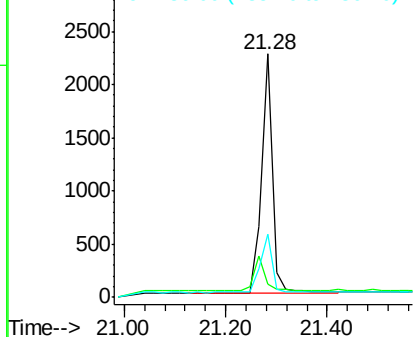
#26
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BE092922.D
Acq: 5 May 2017 9:50

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion: 240 Resp: 3286
Ion Ratio Lower Upper
240 100
120 5.2 4.6 6.8
236 26.0 19.8 29.8

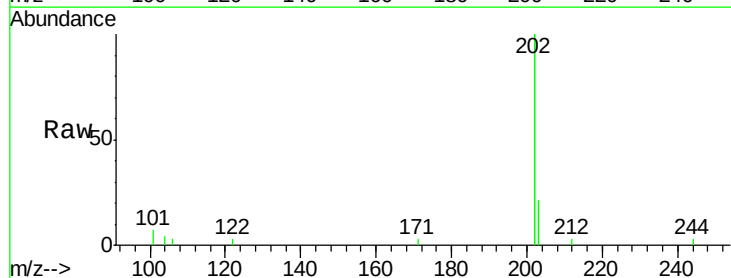


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

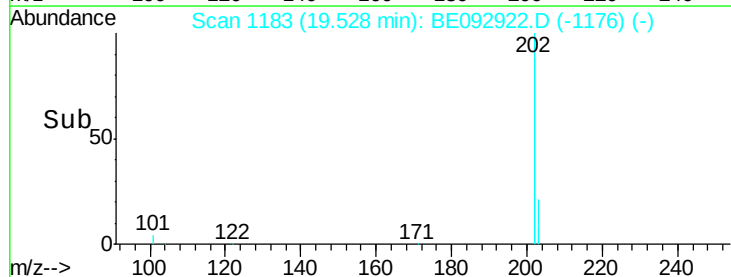
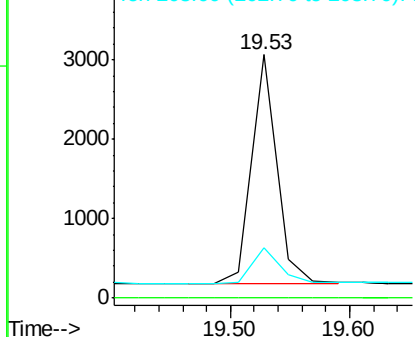


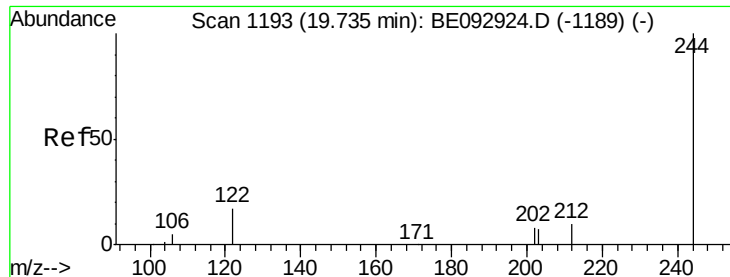
#27
Pyrene
Concen: 0.10 ng
RT: 19.53 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE092922.D
Acq: 5 May 2017 9:50

Tgt Ion: 202 Resp: 4275
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 16.8 13.5 20.3



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





#28

Terphenyl-d14

Concen: 0.10 ng

RT: 19.74 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

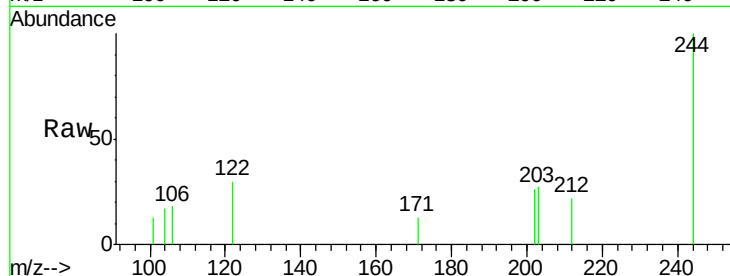
Tgt Ion:244 Resp: 587

Ion Ratio Lower Upper

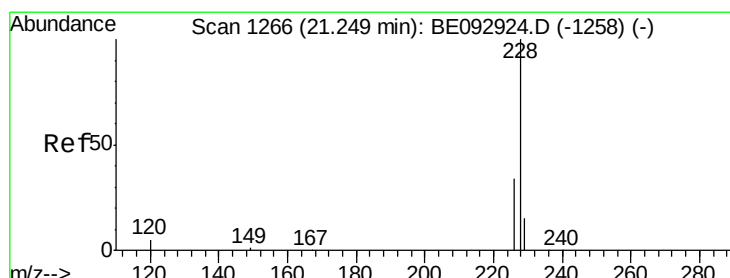
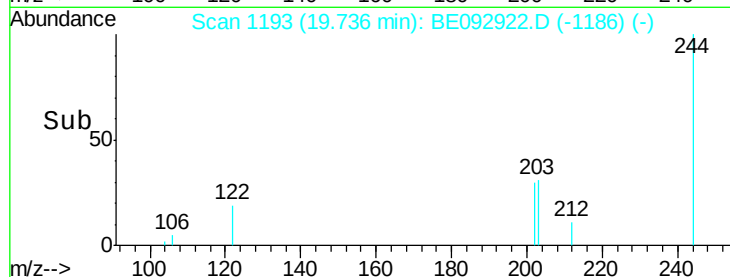
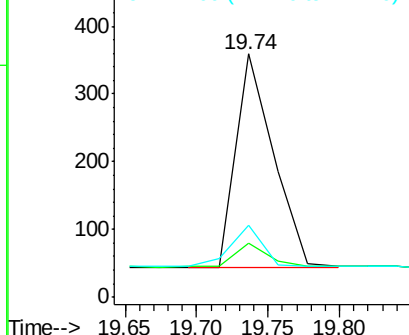
244 100

212 22.3 18.4 27.6

122 29.5 23.3 34.9



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



#29

Benzo(a)anthracene

Concen: 0.10 ng

RT: 21.27 min Scan# 1267

Delta R.T. 0.02 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

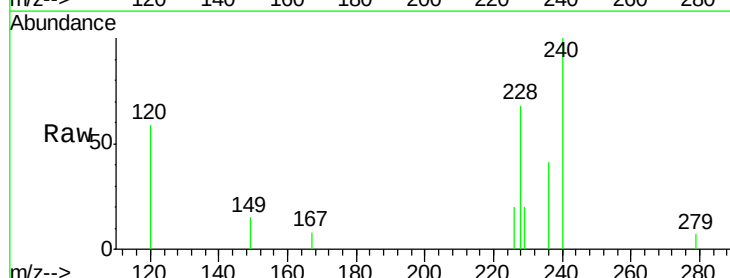
Tgt Ion:228 Resp: 751

Ion Ratio Lower Upper

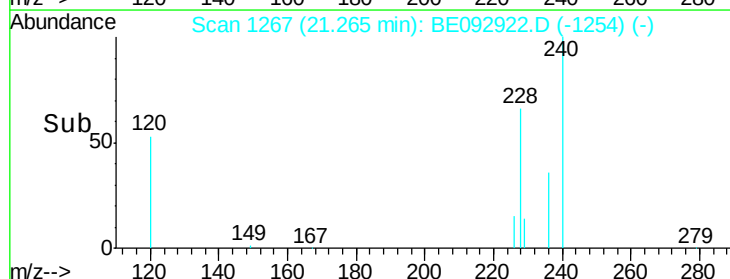
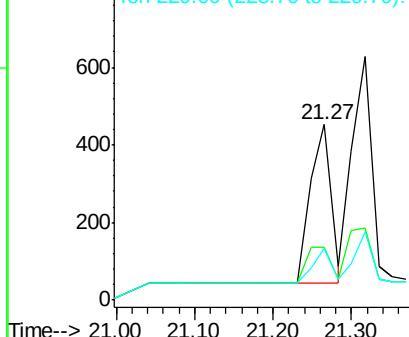
228 100

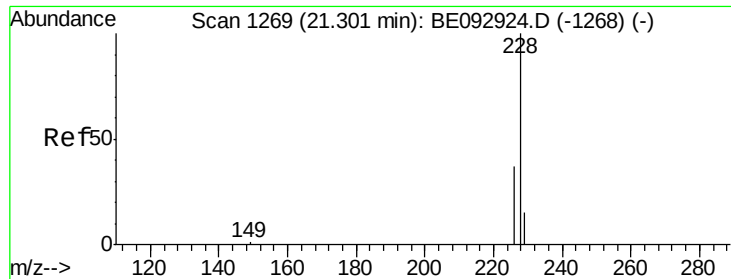
226 29.9 32.0 48.0#

229 29.6 21.4 32.0



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





#30

Chrysene

Concen: 0.10 ng

RT: 21.32 min Scan# 1270

Delta R.T. 0.02 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

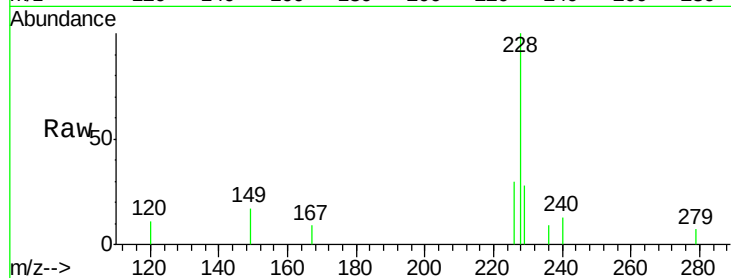
Tgt Ion:228 Resp: 1014

Ion Ratio Lower Upper

228 100

226 29.6 34.2 51.2#

229 27.9 18.6 28.0



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

21.32

600

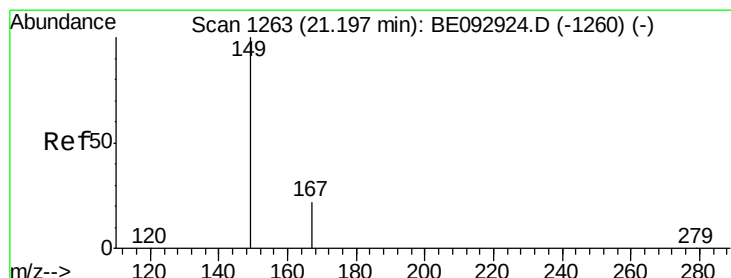
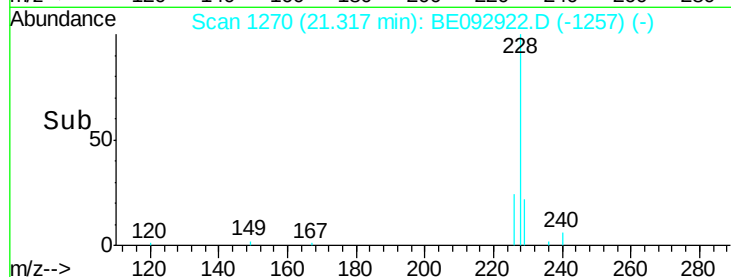
400

200

0

21.30 21.40

Time-->



#31

Bis(2-ethylhexyl)phthalate

Concen: 0.13 ng

RT: 21.20 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

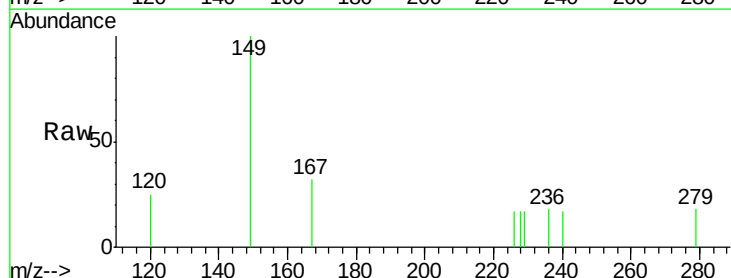
Tgt Ion:149 Resp: 259

Ion Ratio Lower Upper

149 100

167 24.3 20.9 31.3

279 0.0 0.0 0.0



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

21.20

300

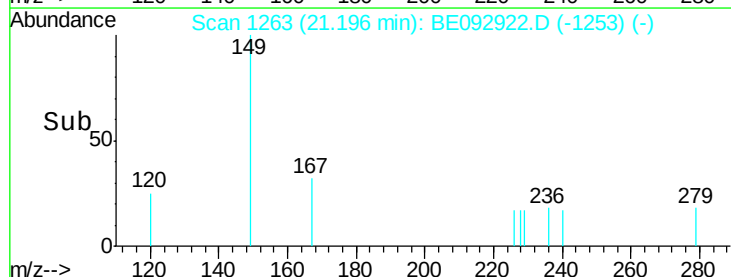
200

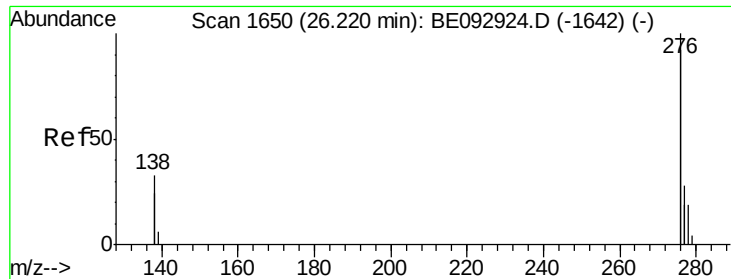
100

0

21.10 21.15 21.20 21.25

Time-->





#32

Indeno(1,2,3-cd)pyrene

Concen: 0.11 ng

RT: 26.22 min Scan# 1650

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

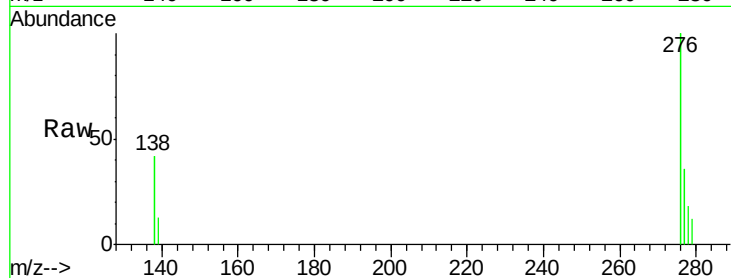
Tgt Ion:276 Resp: 3431

Ion Ratio Lower Upper

276 100

138 34.7 25.8 38.6

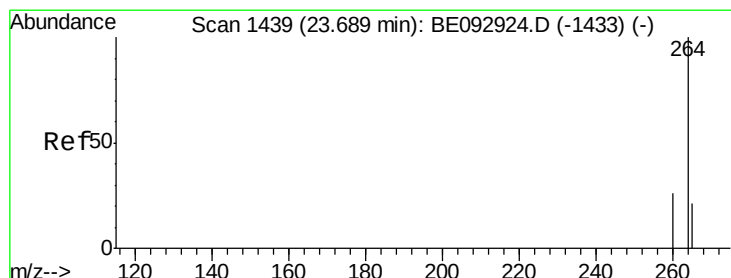
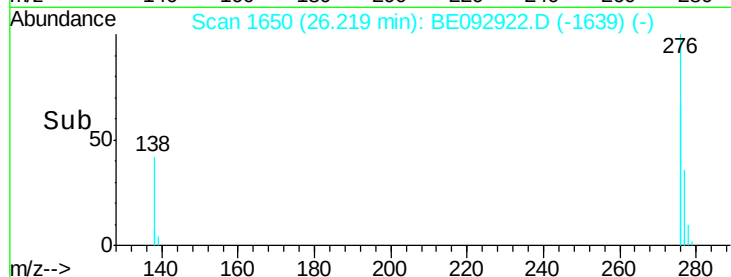
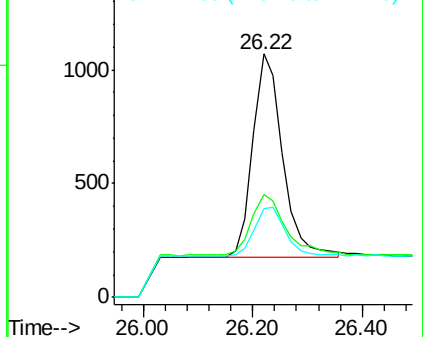
277 25.0 20.2 30.4



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



#33

Perylene-d12

Concen: 0.40 ng

RT: 23.70 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

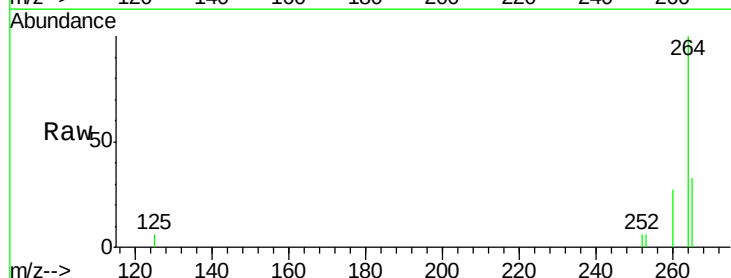
Tgt Ion:264 Resp: 2615

Ion Ratio Lower Upper

264 100

260 27.0 23.5 35.3

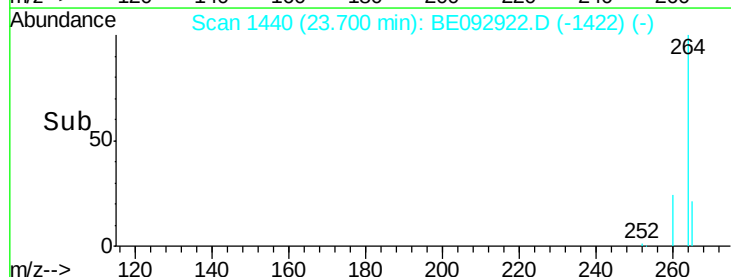
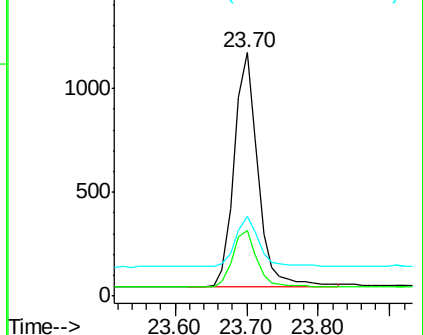
265 32.7 27.2 40.8

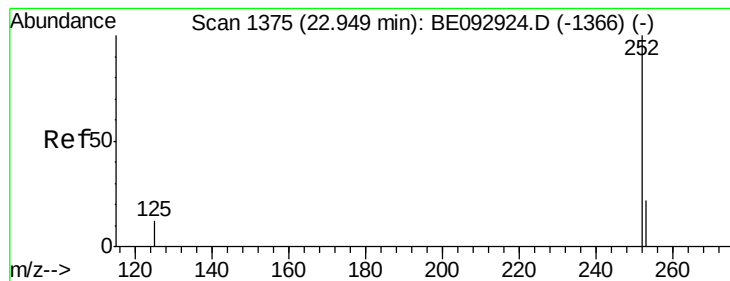


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#34

Benzo(b)fluoranthene

Concen: 0.10 ng

RT: 22.95 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

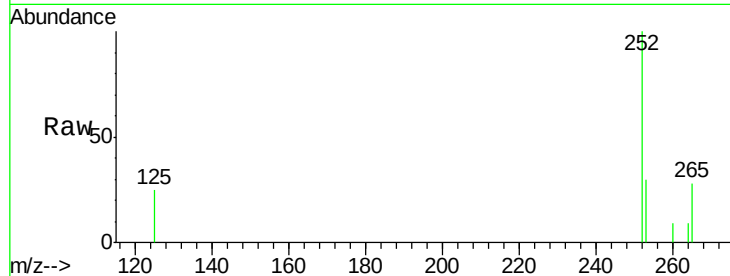
Tgt Ion:252 Resp: 910

Ion Ratio Lower Upper

252 100

253 30.0 24.7 37.1

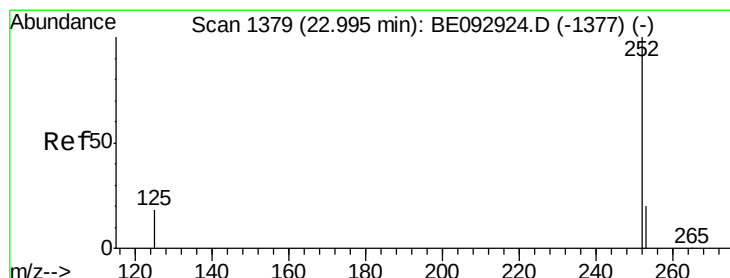
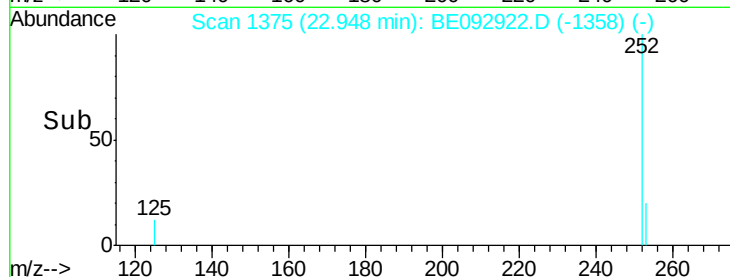
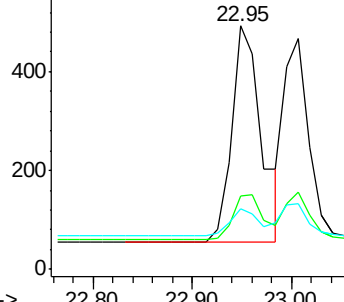
125 24.9 20.3 30.5



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

Benzo(k)fluoranthene

Concen: 0.08 ng

RT: 23.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

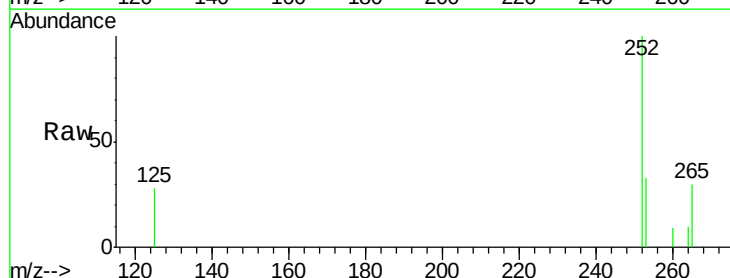
Tgt Ion:252 Resp: 738

Ion Ratio Lower Upper

252 100

253 33.1 25.8 38.8

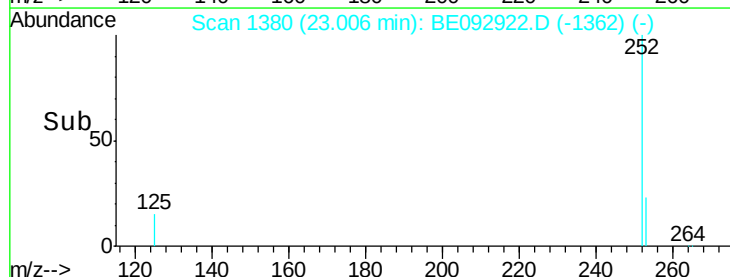
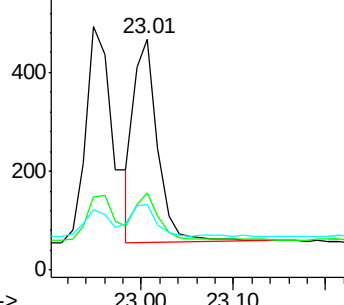
125 28.2 22.9 34.3

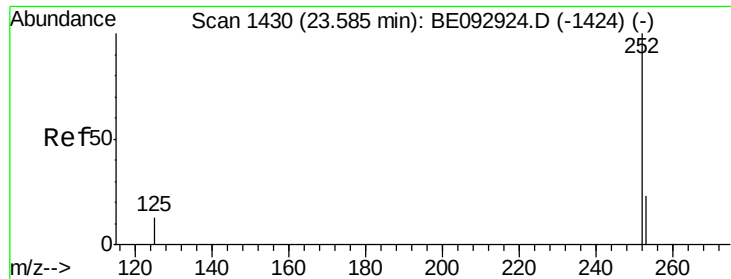


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(a)pyrene

Concen: 0.09 ng

RT: 23.58 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

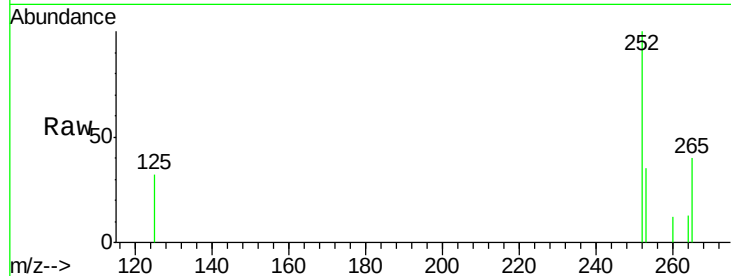
Tgt Ion: 252 Resp: 670

Ion Ratio Lower Upper

252 100

253 35.5 31.3 46.9

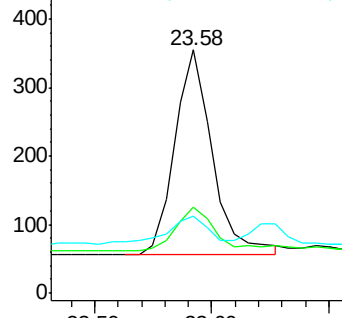
125 31.5 26.4 39.6



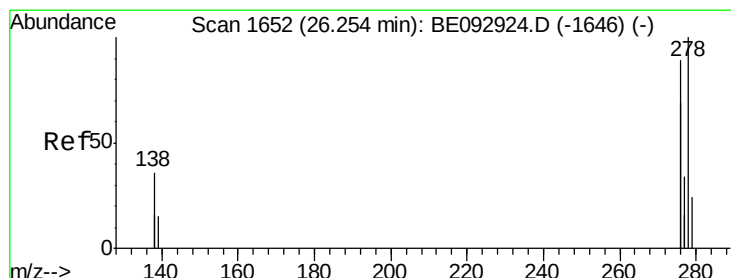
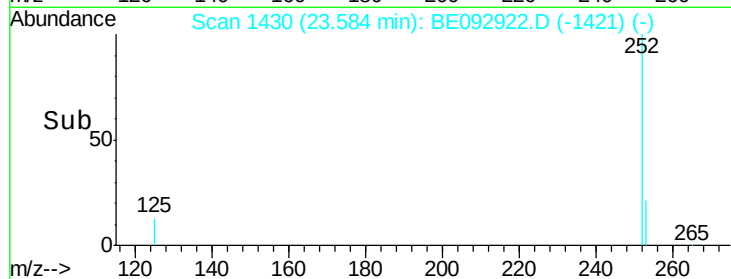
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#37

Dibenzo(a,h)anthracene

Concen: 0.09 ng

RT: 26.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE092922.D

Acq: 5 May 2017 9:50

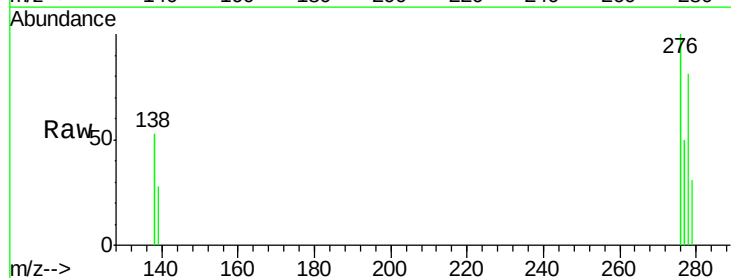
Tgt Ion: 278 Resp: 728

Ion Ratio Lower Upper

278 100

139 34.0 27.4 41.2

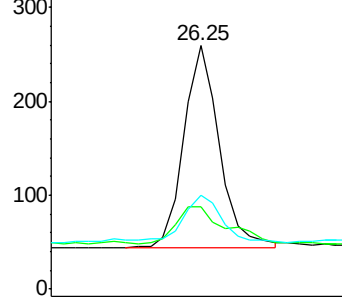
279 38.6 33.3 49.9



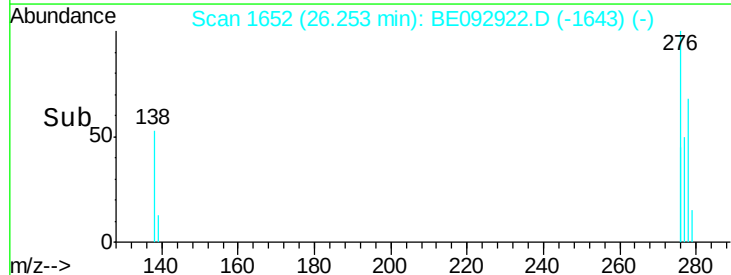
Abundance Ion 278.00 (277.70 to 278.70): E

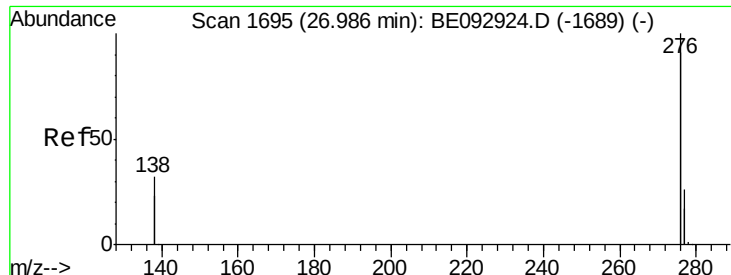
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#38

Benzo(g,h,i)perylene

Concen: 0.09 ng

RT: 27.00 min Scan# 1696

Delta R.T. 0.02 min

Lab File: BE092922.D

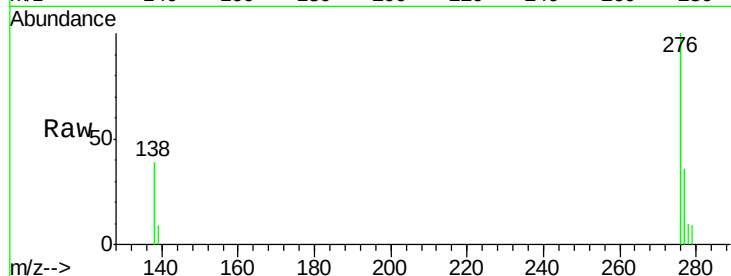
Acq: 5 May 2017 9:50

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1



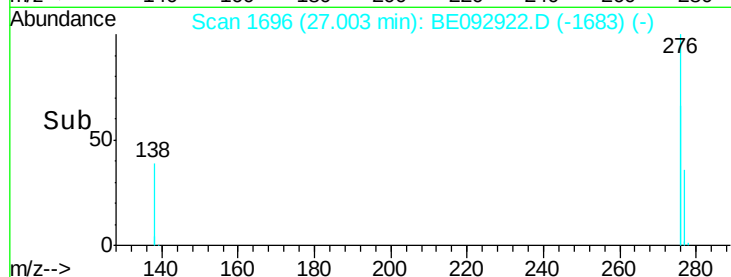
Tgt Ion: 276 Resp: 3359

Ion Ratio Lower Upper

276 100

277 36.3 29.9 44.9

138 38.8 34.6 51.8



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

