

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050517\
 Data File : BE092940.D
 Acq On : 5 May 2017 21:40
 Operator : SJ/MA
 Sample : I2893-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 06 01:49:29 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 14:05:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	714	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	2895	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1346	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3530	0.40	ng	0.00
26) Chrysene-d12	21.28	240	4025	0.40	ng	0.00
33) Perylene-d12	23.69	264	2331	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.35	112	253	0.16	ng	0.00
5) Phenol-d6	6.94	99	220	0.10	ng	0.00
8) Nitrobenzene-d5	8.90	82	781	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	1636	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	51	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	3040	0.49	ng	0.00
24) Fluoranthene-d10	19.13	212	3849	0.47	ng	-0.02
28) Terphenyl-d14	19.74	244	5030	0.71	ng	0.00

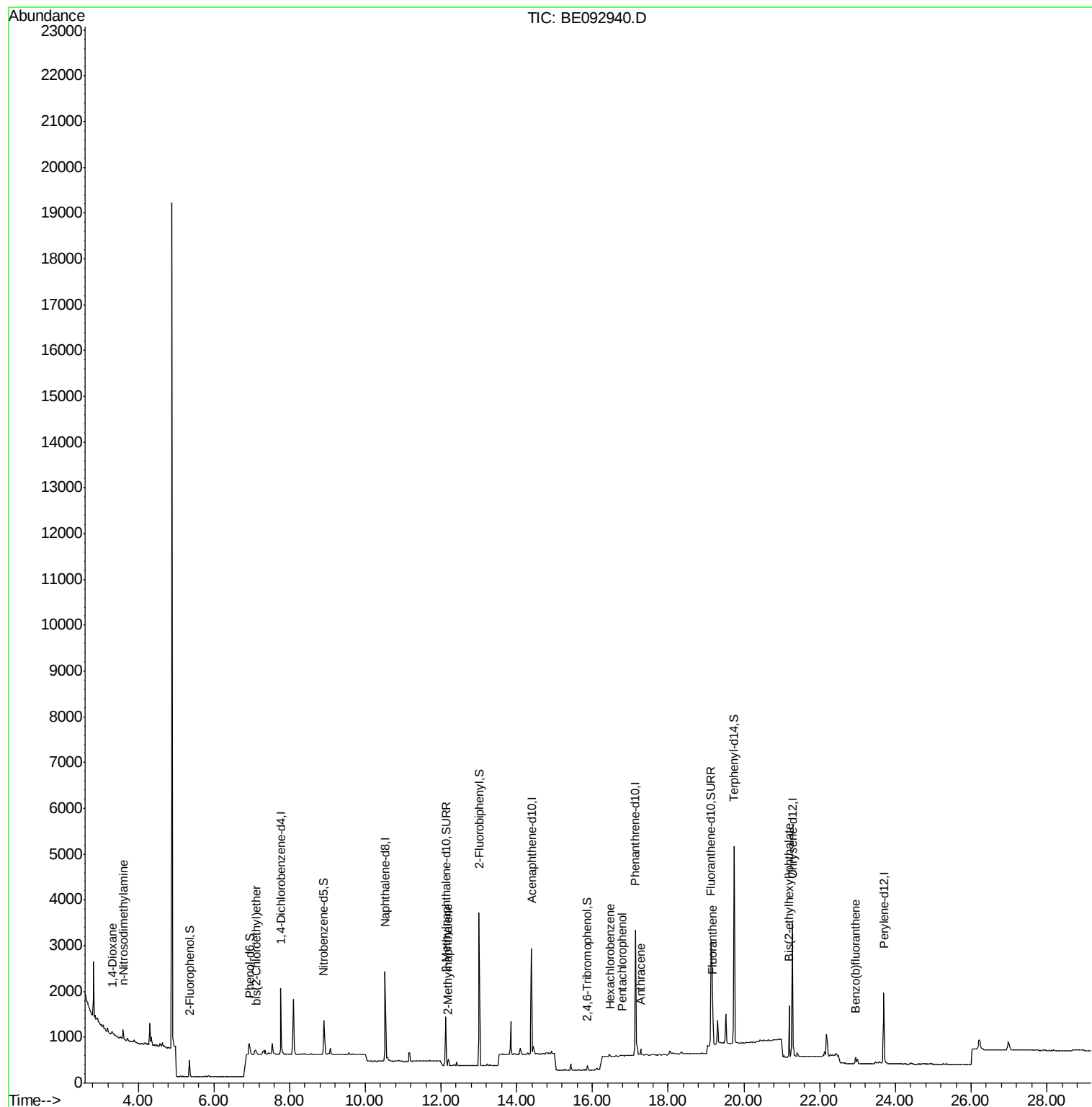
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	89	0.07	ng	# 70
3) n-Nitrosodimethylamine	3.61	42	33	0.03	ng	# 15
6) bis(2-Chloroethyl)ether	7.11	93	294	0.11	ng	# 20
12) 2-Methylnaphthalene	12.19	142	100	0.02	ng	# 91
20) Hexachlorobenzene	16.46	284	59	0.04	ng	# 100
21) Pentachlorophenol	16.79	266	11	0.18	ng	98
23) Anthracene	17.27	178	198	0.03	ng	99
25) Fluoranthene	19.17	202	876	0.02	ng	# 93
31) Bis(2-ethylhexyl)phthalate	21.20	149	1115	0.43	ng	# 96
34) Benzo(b)fluoranthene	22.95	252	199	0.03	ng	# 45

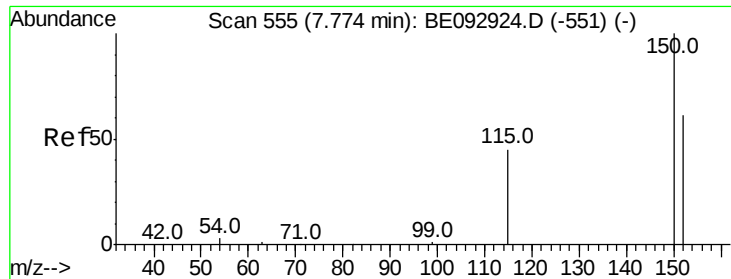
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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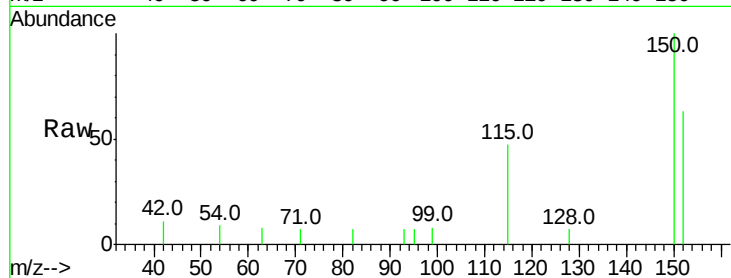


#1

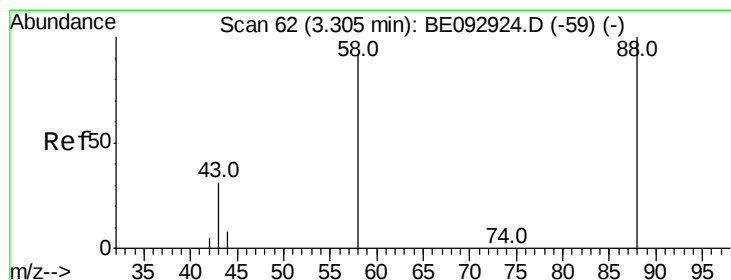
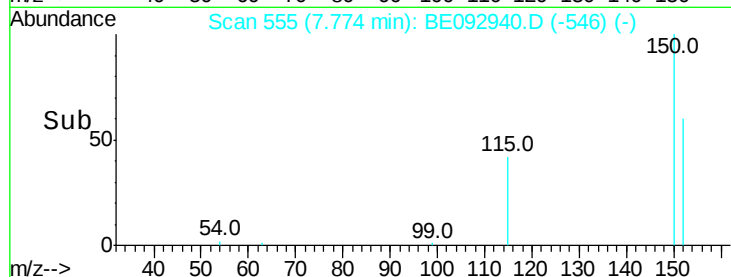
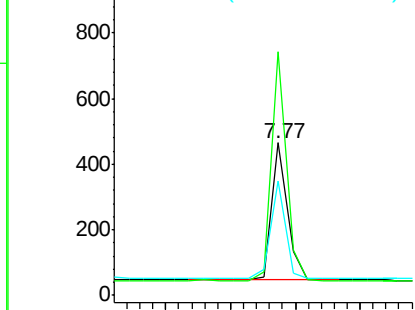
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.77 min Scan# 555
Delta R.T. -0.00 min
Lab File: BE092940.D
Acq: 5 May 2017 21:40

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 714
Ion Ratio Lower Upper
152 100
150 159.6 129.9 194.9
115 75.1 62.6 93.8



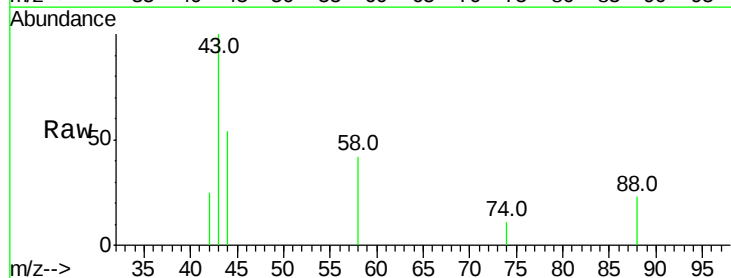
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



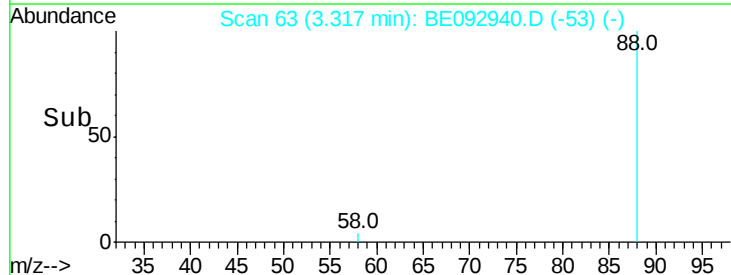
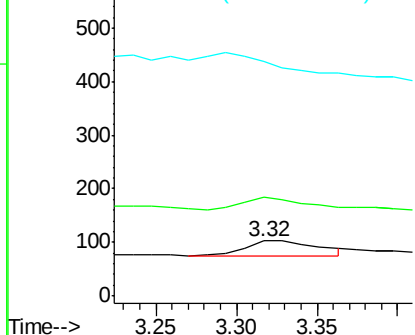
#2

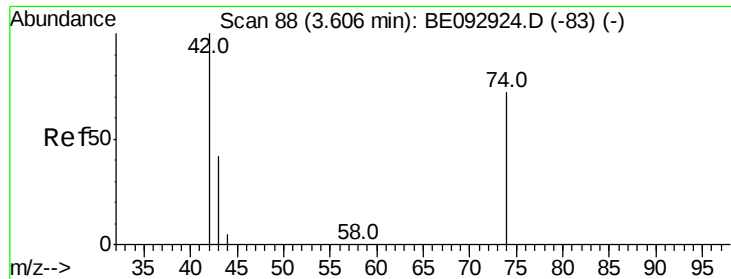
1,4-Dioxane
Concen: 0.07 ng
RT: 3.32 min Scan# 63
Delta R.T. 0.01 min
Lab File: BE092940.D
Acq: 5 May 2017 21:40

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
58 65.2 64.9 97.3
43 0.0 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

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE092940.D

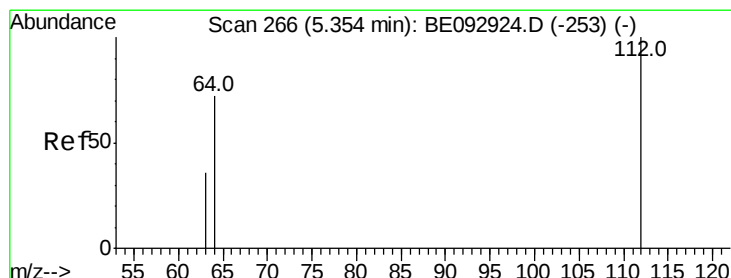
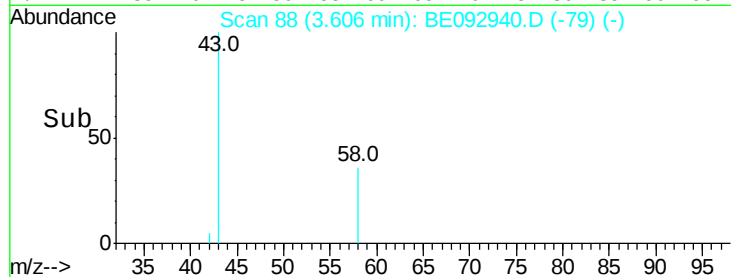
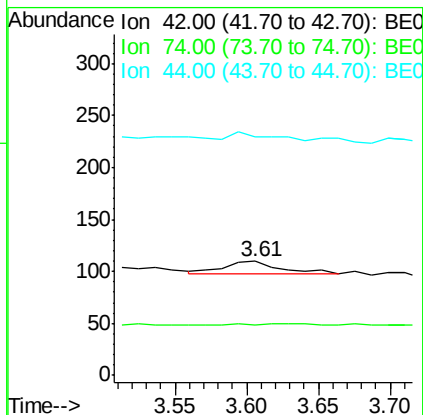
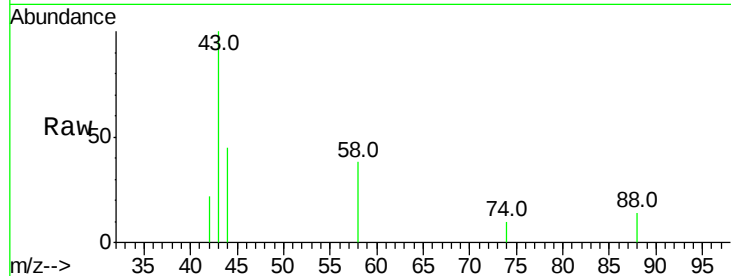
Acq: 5 May 2017 21:40

Instrument :

BNA_E

ClientSampled :

Tot Ion:	42	Resp:	33
Ion	Ratio	Lower	Upper
42	100		
74	9.1	106.6	160.0#
44	30.3	25.7	38.5



#4

2-Fluorophenol

Concen: 0.16 ng

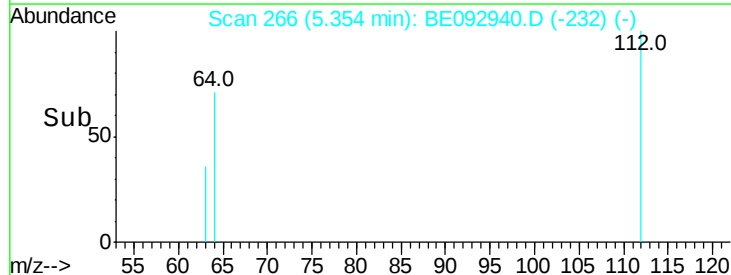
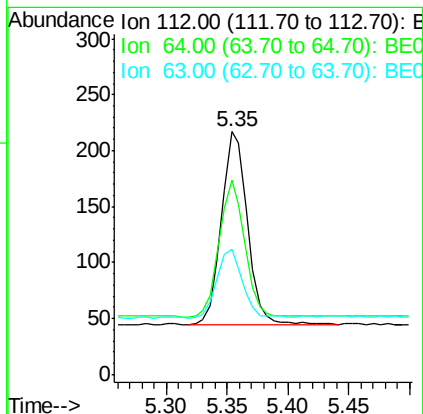
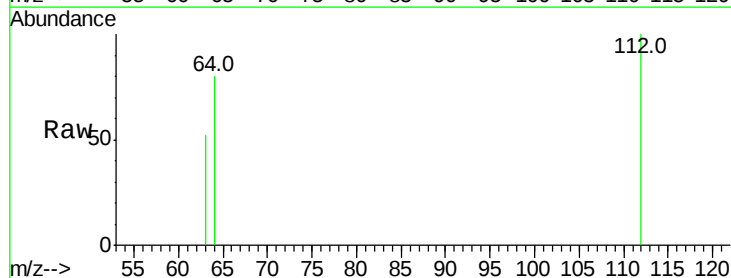
RT: 5.35 min Scan# 266

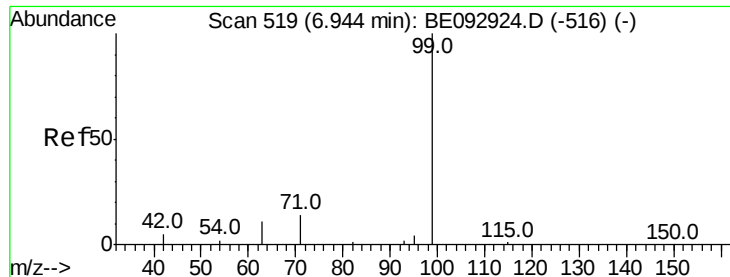
Delta R.T. -0.00 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

Tgt Ion:	112	Resp:	253
Ion	Ratio	Lower	Upper
112	100		
64	70.4	52.6	79.0
63	36.4	29.0	43.4





#5

Phenol-d6

Concen: 0.10 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

Instrument :

BNA_E

ClientSampleId :

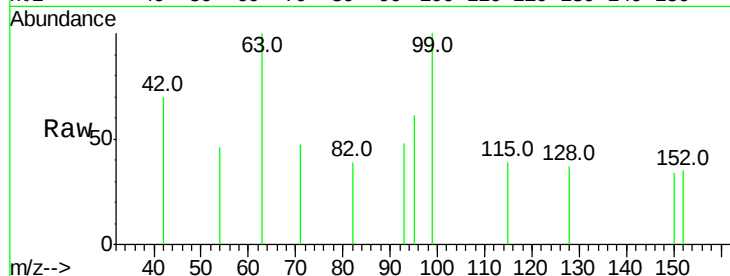
Tot Ion: 99 Resp: 220

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

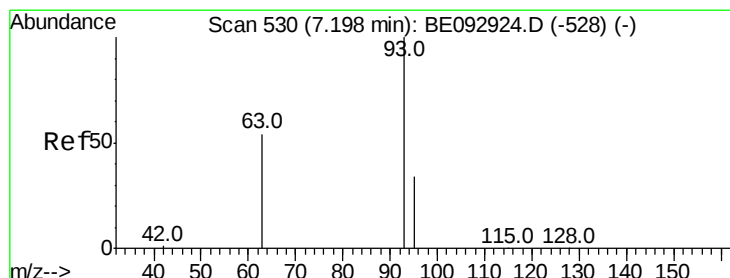
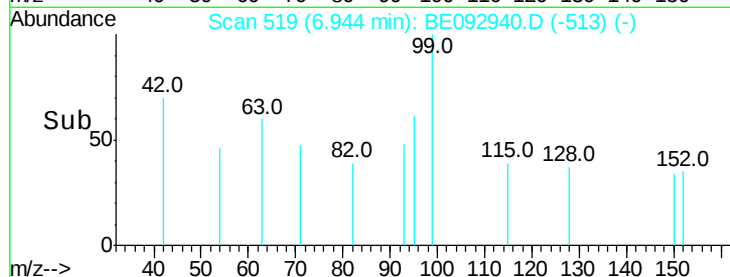
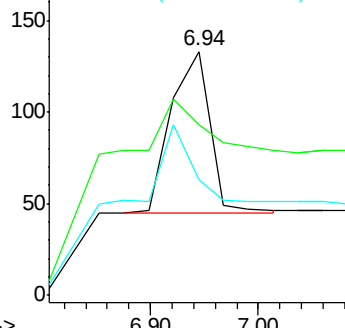
71 0.0 0.0 0.0



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: 7.11 min Scan# 526

Delta R.T. -0.09 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

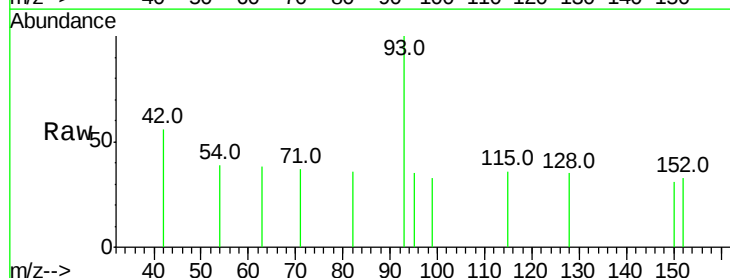
Tgt Ion: 93 Resp: 294

Ion Ratio Lower Upper

93 100

63 0.0 61.2 91.8#

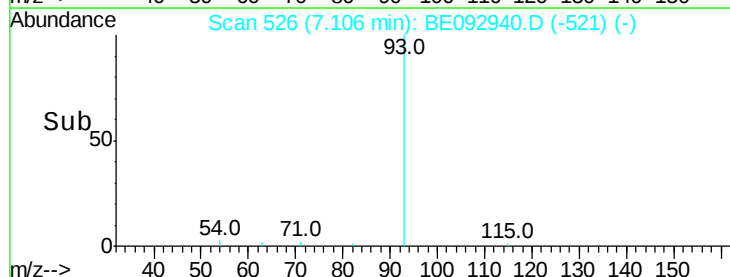
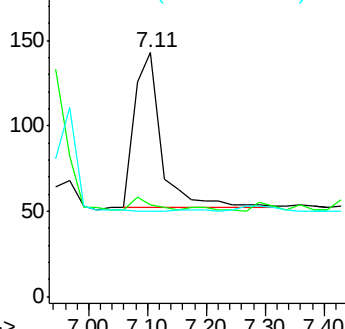
95 0.0 25.5 38.3#

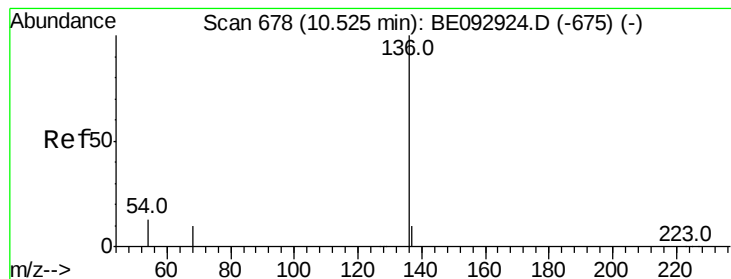


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2895

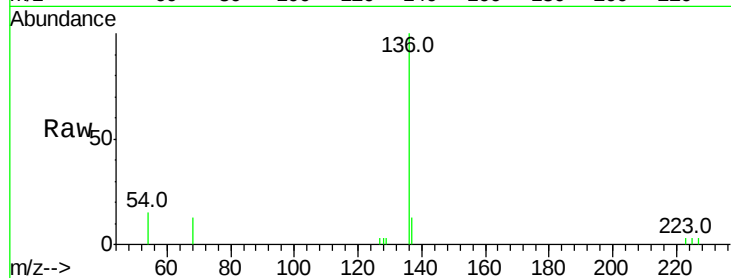
Ion Ratio Lower Upper

136 100

137 12.5 10.4 15.6

54 14.9 12.6 18.8

68 12.9 10.7 16.1

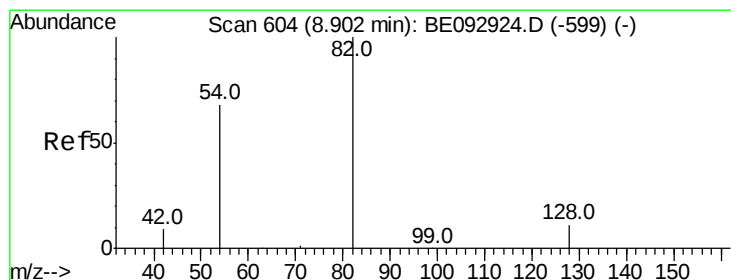
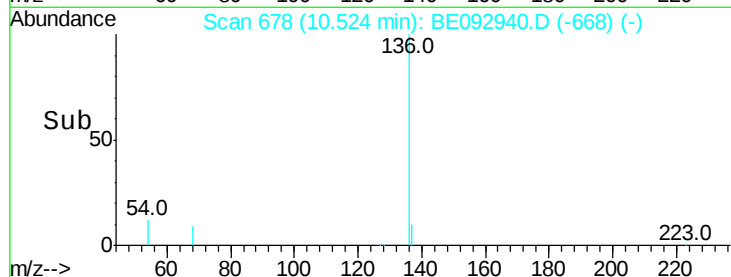
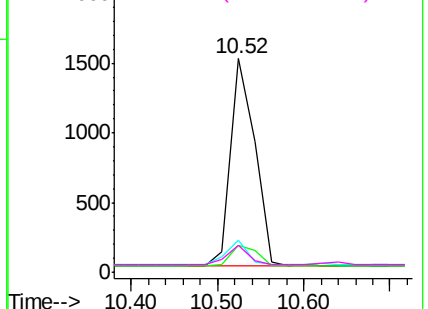


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.40 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

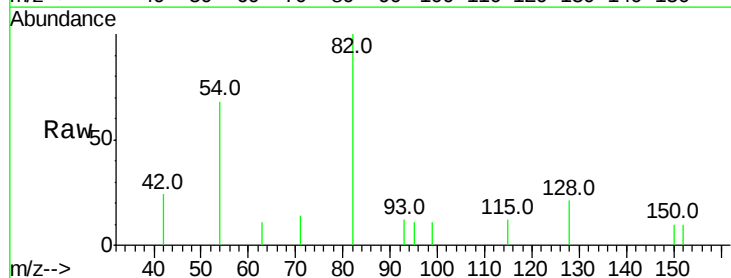
Tgt Ion: 82 Resp: 781

Ion Ratio Lower Upper

82 100

128 21.2 35.3 52.9#

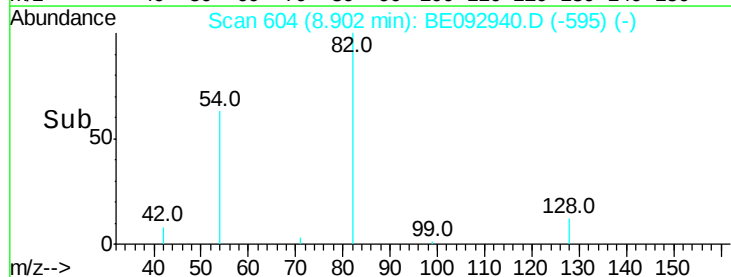
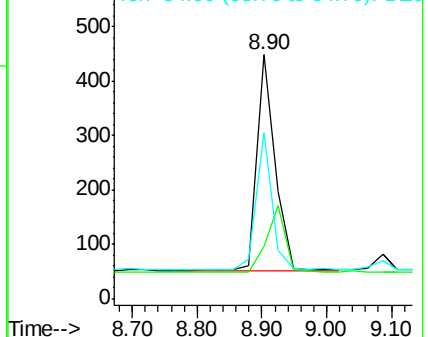
54 68.1 65.1 97.7

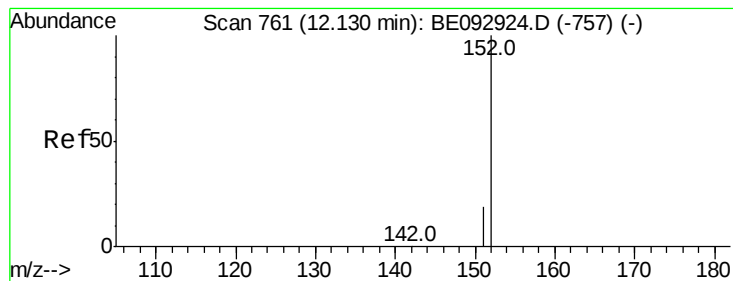


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

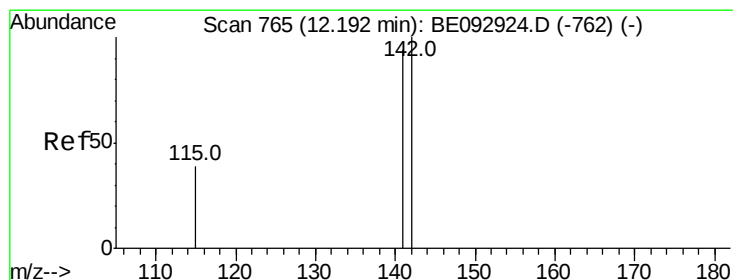
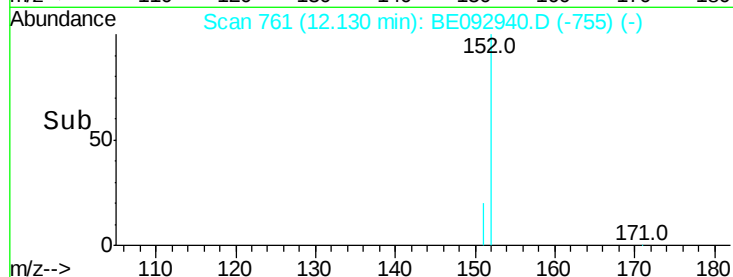
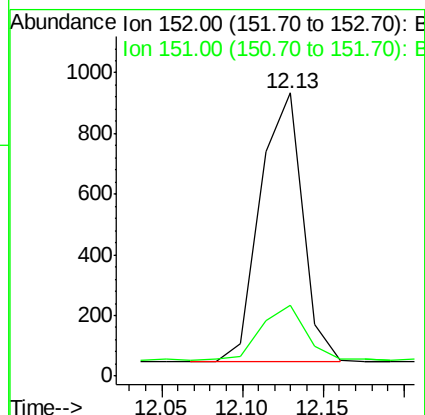
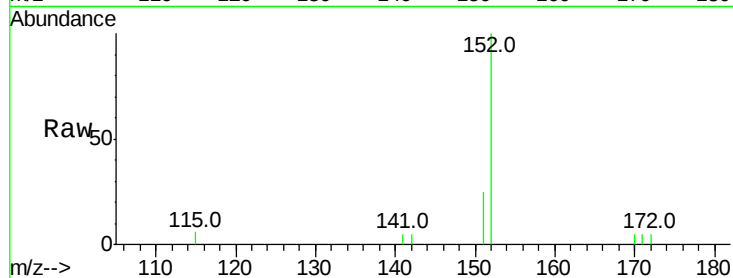




#11
2-Methylnaphthalene-d10
Concen: 0.38 ng
RT: 12.13 min Scan# 761
Delta R.T. -0.00 min
Lab File: BE092940.D
Acq: 5 May 2017 21:40

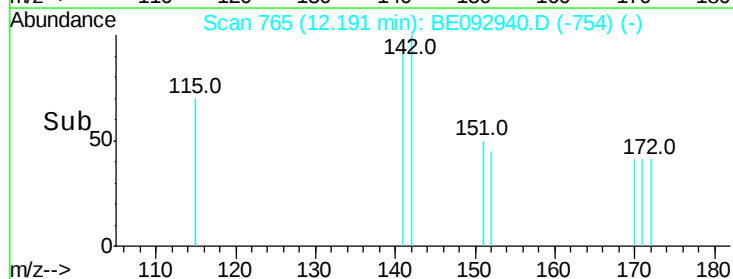
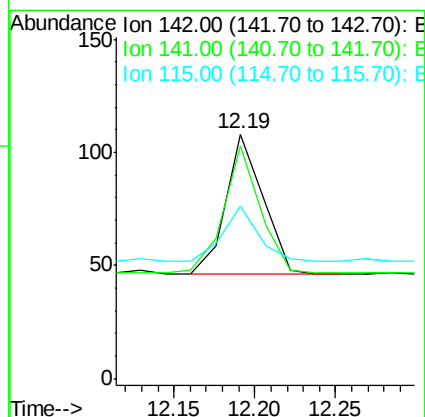
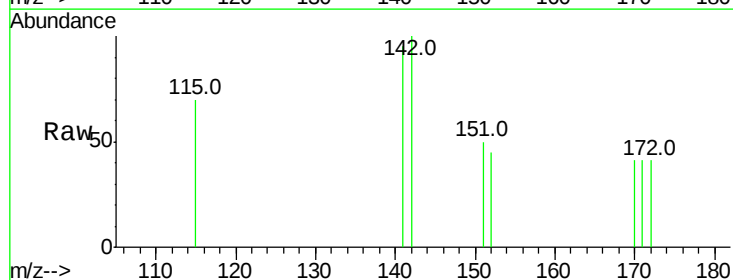
Instrument :
BNA_E
ClientSampled :

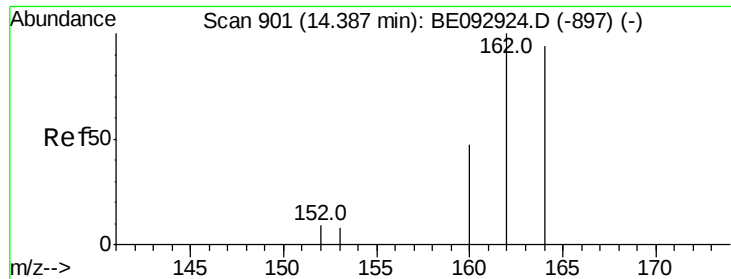
Tot Ion:152 Resp: 1636
Ion Ratio Lower Upper
152 100
151 20.9 15.7 23.5



#12
2-Methylnaphthalene
Concen: 0.02 ng
RT: 12.19 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE092940.D
Acq: 5 May 2017 21:40

Tgt Ion:142 Resp: 100
Ion Ratio Lower Upper
142 100
141 95.4 76.0 114.0
115 70.4 41.6 62.4#





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

Instrument :

BNA_E

ClientSampleId :

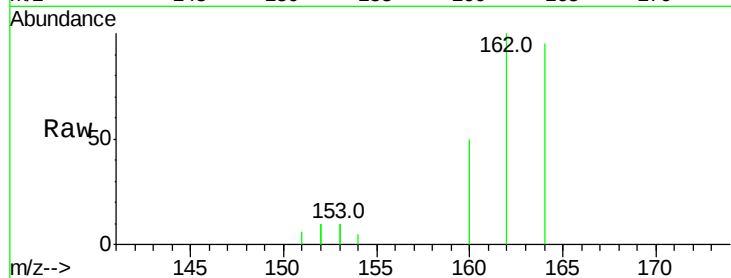
Tot Ion:164 Resp: 1346

Ion Ratio Lower Upper

164 100

162 105.0 86.6 130.0

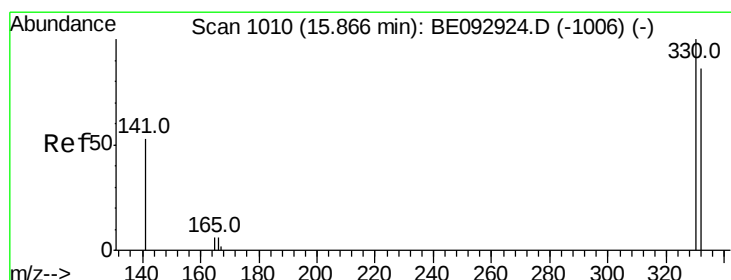
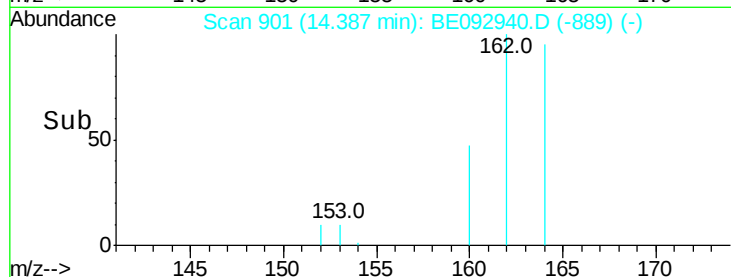
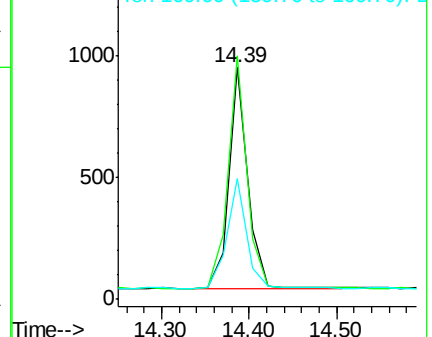
160 52.3 44.5 66.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.24 ng

RT: 15.87 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

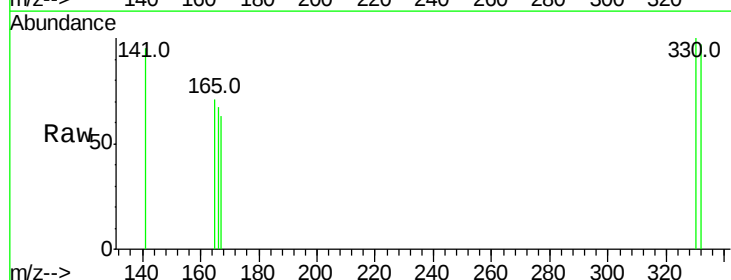
Tgt Ion:330 Resp: 51

Ion Ratio Lower Upper

330 100

332 100.0 69.1 103.7

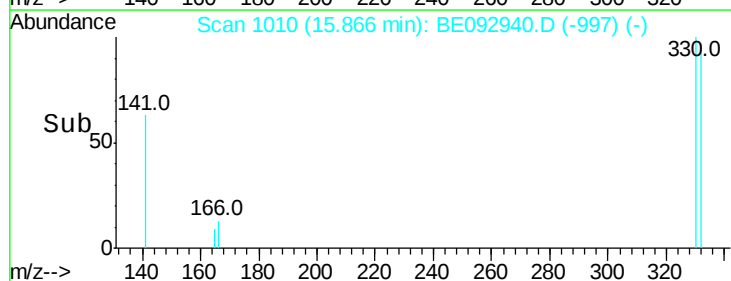
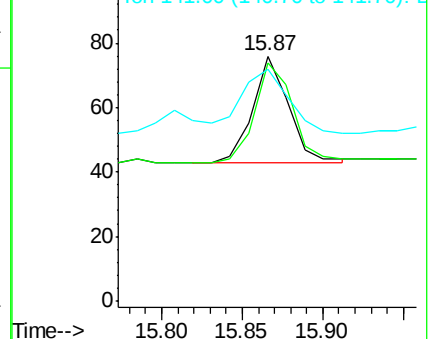
141 78.4 54.6 81.8

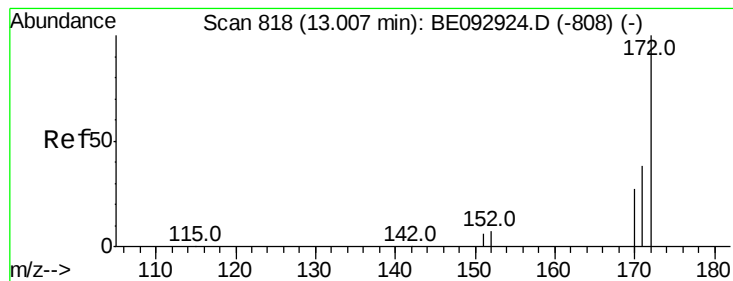


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

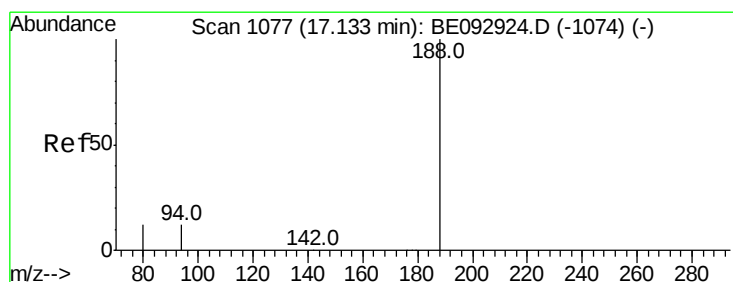
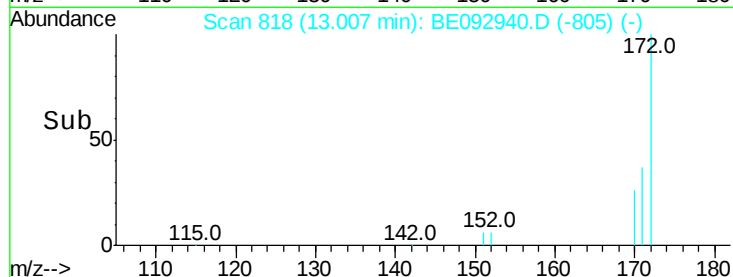
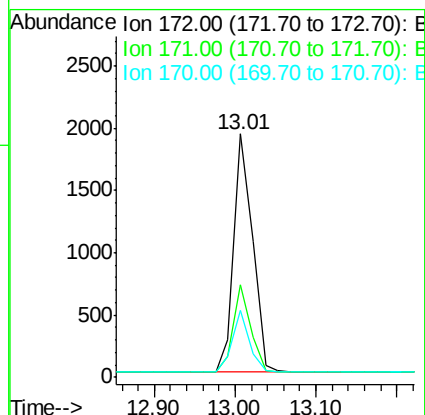
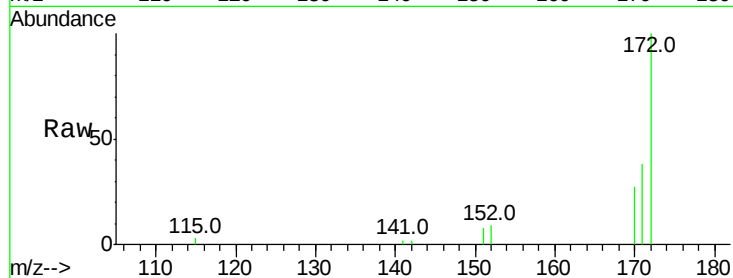




#15
2-Fluorobiphenyl
Concen: 0.49 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE092940.D
Acq: 5 May 2017 21:40

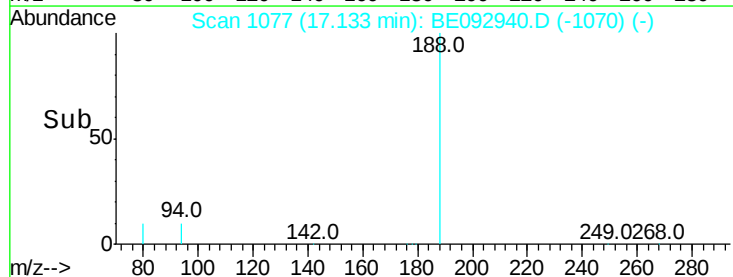
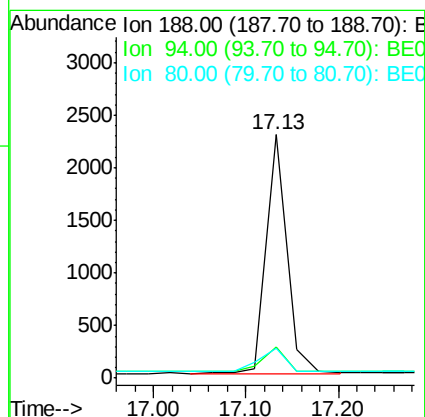
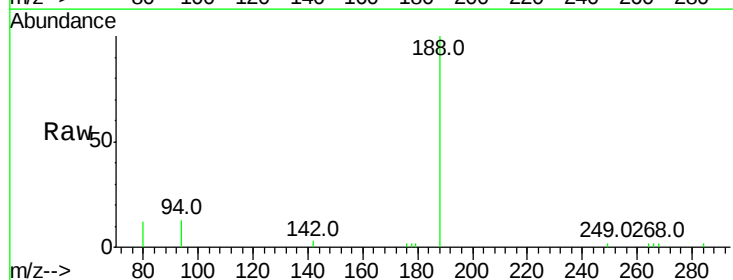
Instrument :
BNA_E
ClientSampleId :

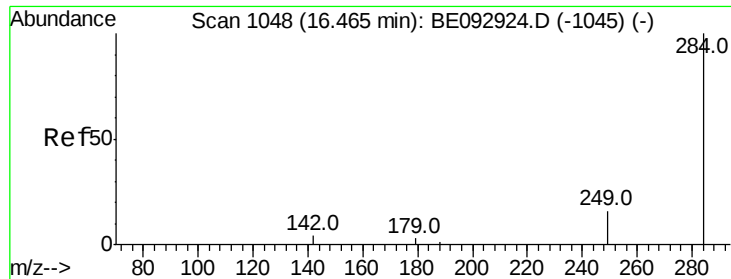
Tot Ion:172 Resp: 3040
Ion Ratio Lower Upper
172 100
171 38.3 35.8 53.6
170 27.4 28.5 42.7#



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1077
Delta R.T. -0.00 min
Lab File: BE092940.D
Acq: 5 May 2017 21:40

Tgt Ion:188 Resp: 3530
Ion Ratio Lower Upper
188 100
94 12.7 10.2 15.4
80 12.4 10.6 15.8

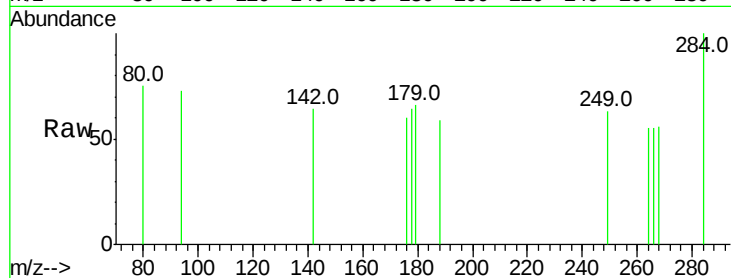




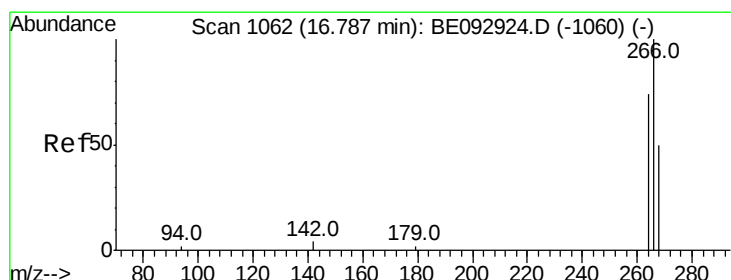
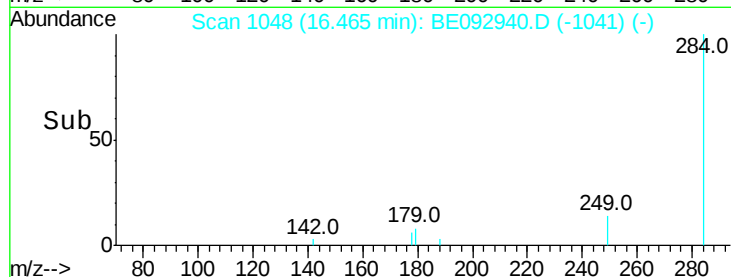
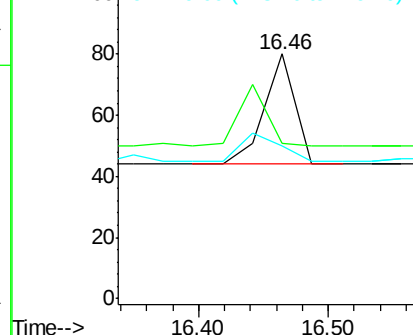
#20
Hexachlorobenzene
Concen: 0.04 ng
RT: 16.46 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BE092940.D
Acq: 5 May 2017 21:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 59
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

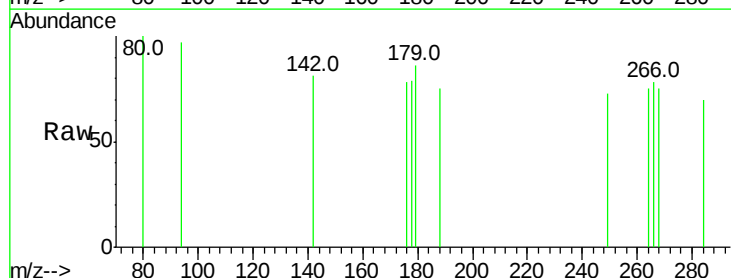


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

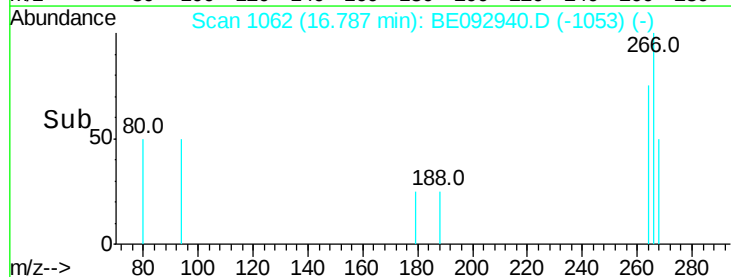
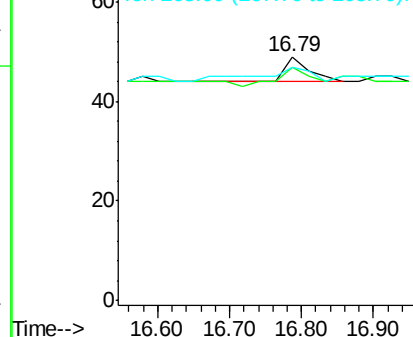


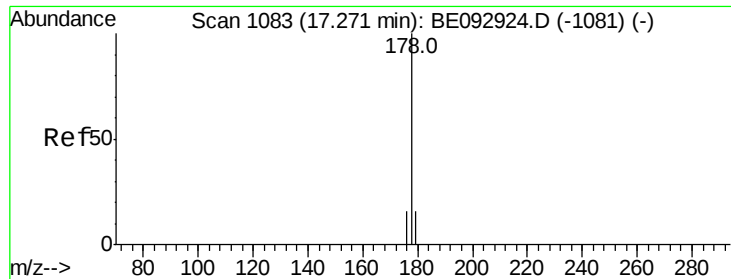
#21
Pentachlorophenol
Concen: 0.18 ng
RT: 16.79 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BE092940.D
Acq: 5 May 2017 21:40

Tgt Ion:266 Resp: 11
Ion Ratio Lower Upper
266 100
264 95.9 75.4 113.2
268 95.9 75.4 113.2



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Anthracene

Concen: 0.03 ng

RT: 17.27 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

Instrument :

BNA_E

ClientSampleId :

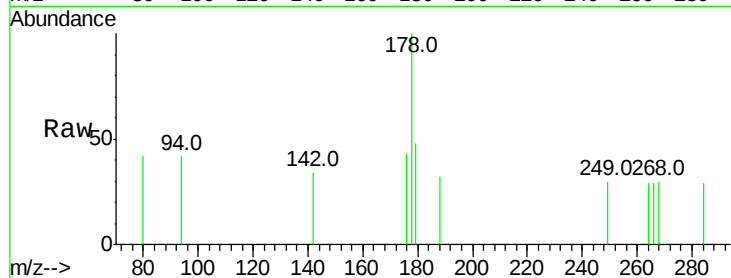
Tot Ion:178 Resp: 198

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

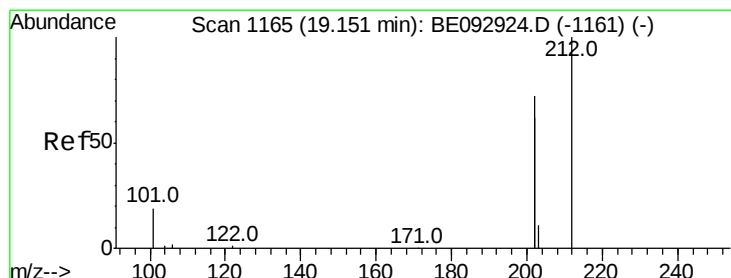
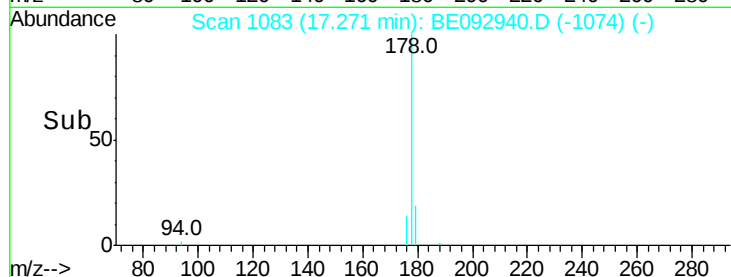
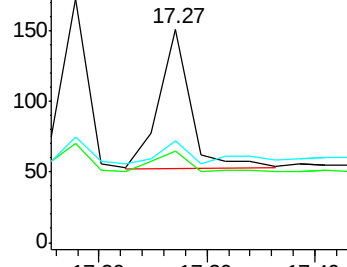
179 16.7 12.8 19.2



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



#24

Fluoranthene-d10

Concen: 0.47 ng

RT: 19.13 min Scan# 1164

Delta R.T. -0.02 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

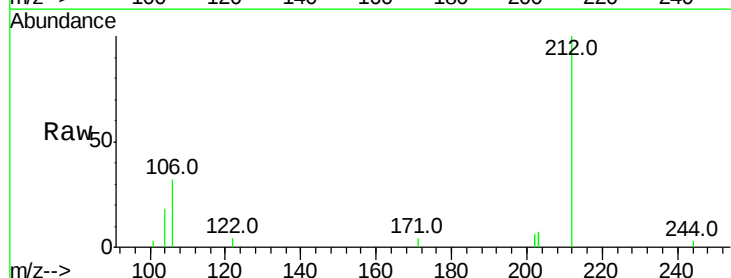
Tgt Ion:212 Resp: 3849

Ion Ratio Lower Upper

212 100

106 18.3 0.0 0.0#

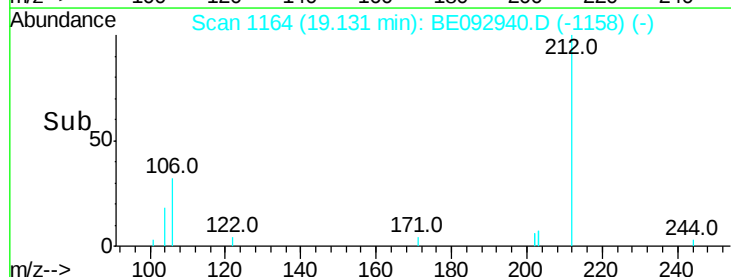
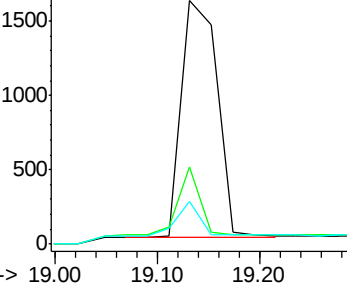
104 10.1 0.0 0.0#

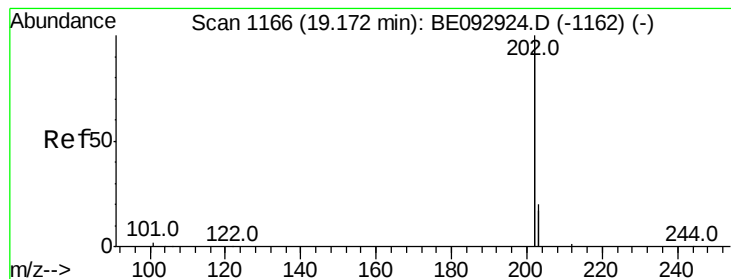


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.02 ng

RT: 19.17 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

Instrument :

BNA_E

ClientSampleId :

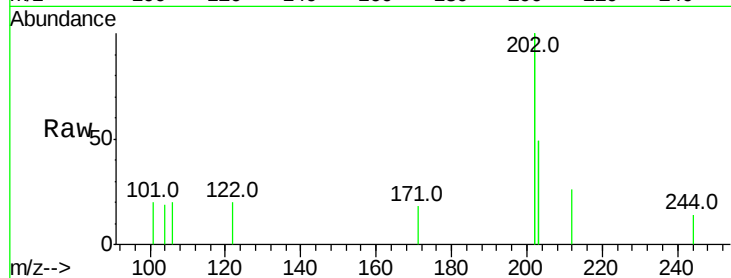
Tot Ion:202 Resp: 876

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

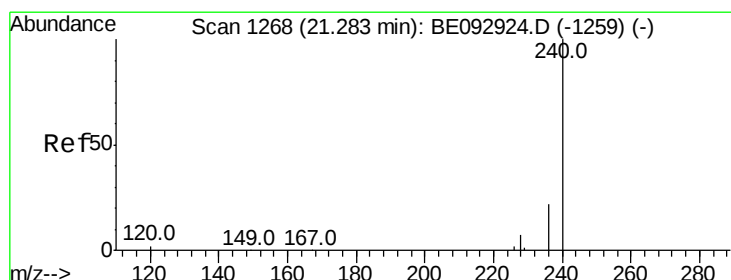
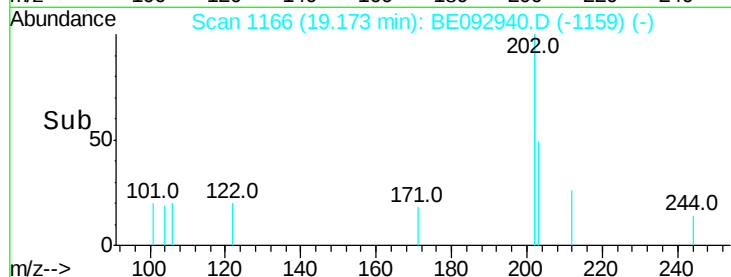
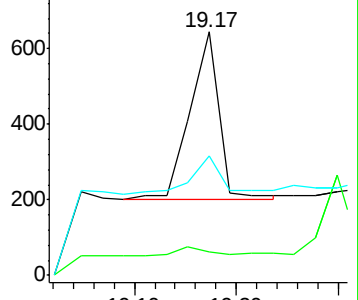
203 15.8 15.3 22.9



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: BE092940.D

Acq: 5 May 2017 21:40

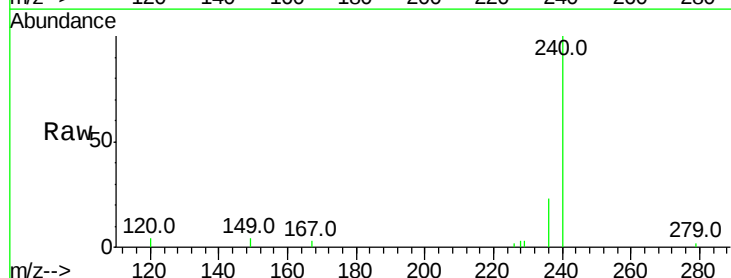
Tgt Ion:240 Resp: 4025

Ion Ratio Lower Upper

240 100

120 4.3 4.6 6.8#

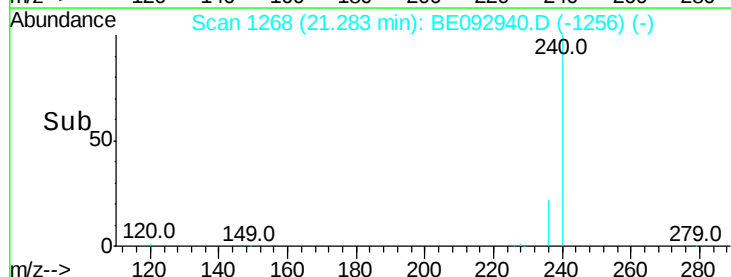
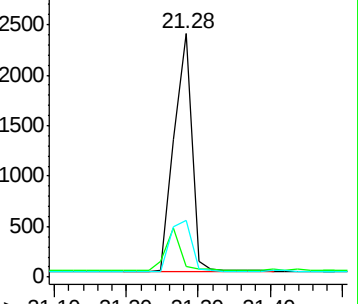
236 23.3 19.8 29.8

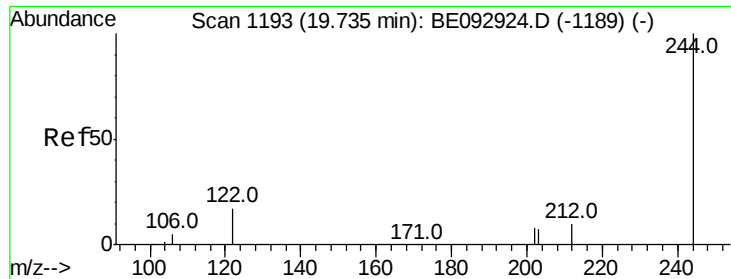


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Terphenyl-d14

Concen: 0.71 ng

RT: 19.74 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

Instrument :

BNA_E

ClientSampleId :

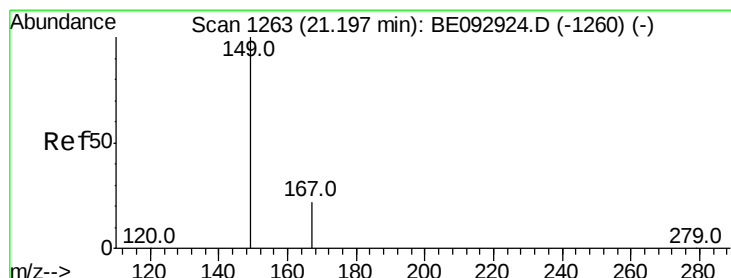
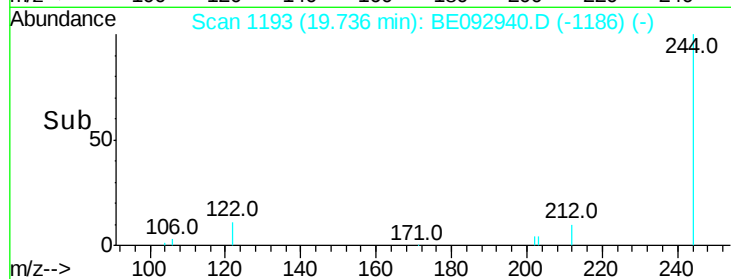
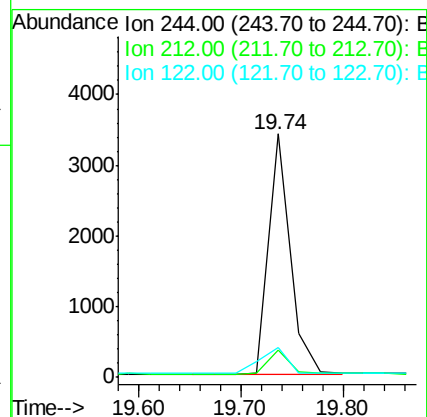
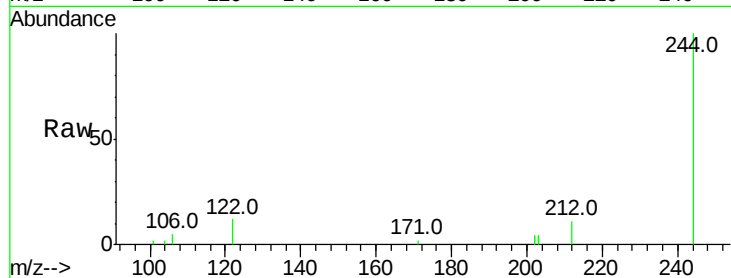
Tot Ion:244 Resp: 5030

Ion Ratio Lower Upper

244 100

212 11.1 18.4 27.6#

122 12.3 23.3 34.9#



#31

Bis(2-ethylhexyl)phthalate

Concen: 0.43 ng

RT: 21.20 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE092940.D

Acq: 5 May 2017 21:40

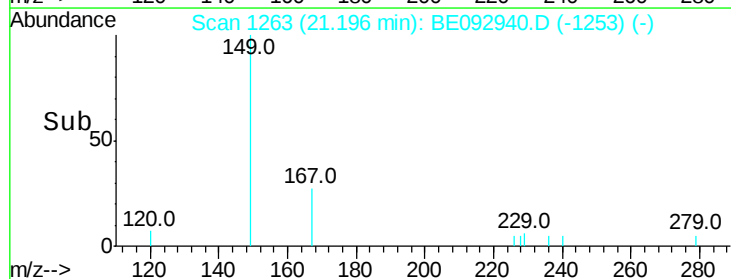
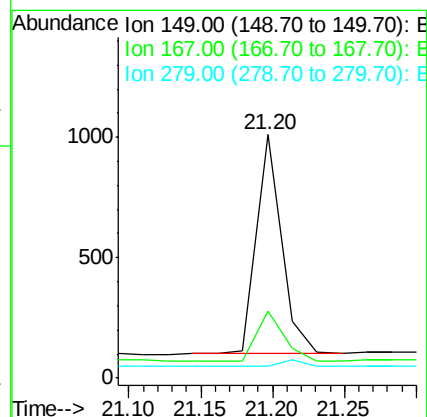
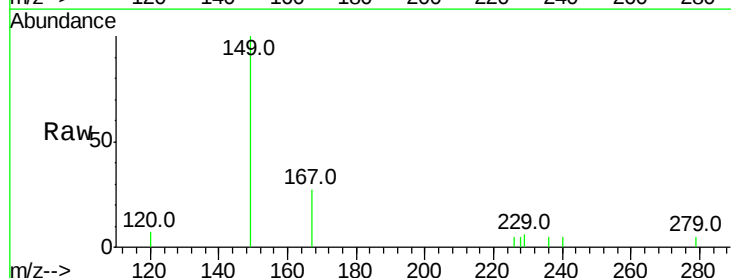
Tgt Ion:149 Resp: 1115

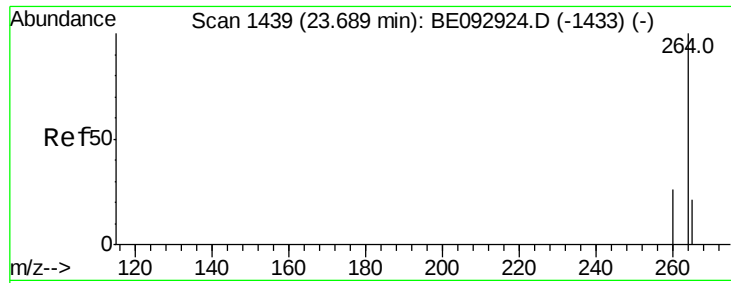
Ion Ratio Lower Upper

149 100

167 23.9 20.9 31.3

279 2.4 0.0 0.0#

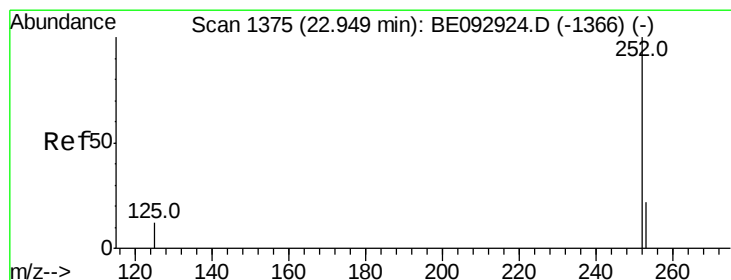
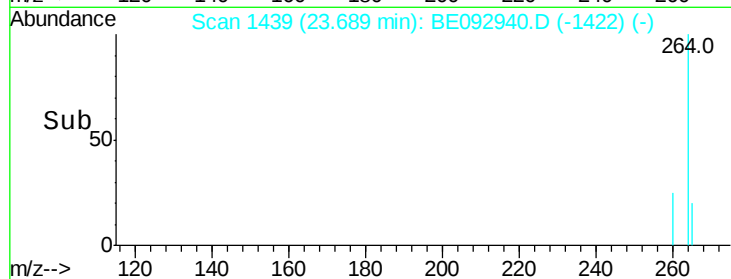
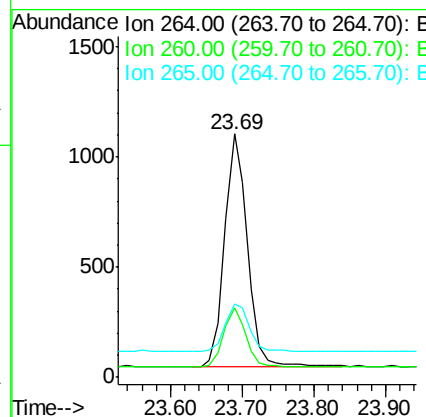
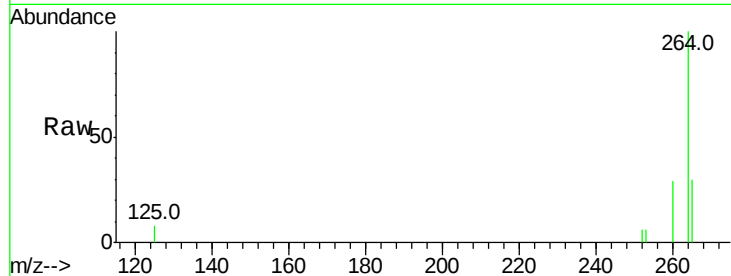




#33
Pervlene-d12
Concen: 0.40 ng
RT: 23.69 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE092940.D
Acq: 5 May 2017 21:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 2331
Ion Ratio Lower Upper
264 100
260 28.8 23.5 35.3
265 30.0 27.2 40.8



#34
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.95 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092940.D
Acq: 5 May 2017 21:40

Tgt Ion:252 Resp: 199
Ion Ratio Lower Upper
252 100
253 55.6 24.7 37.1#
125 59.3 20.3 30.5#

