

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
 Data File : BE092545.D
 Acq On : 16 Nov 2016 22:11
 Operator : UM/SJ
 Sample : H5636-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C19013041

Quant Time: Nov 17 04:52:55 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 15:43:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7517	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	38153	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	27590	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	58240	5.00	ng	0.00
24) Chrysene-d12	21.72	240	85019	5.00	ng	0.00
31) Perylene-d12	24.08	264	72896	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	8244	6.49	ng	-0.02
5) Phenol-d6	7.33	99	6542	3.16	ng	-0.02
8) Nitrobenzene-d5	9.32	82	12585	5.08	ng	-0.05
13) 2,4,6-Tribromophenol	16.29	330	10038	16.22	ng	-0.02
14) 2-Fluorobiphenyl	13.42	172	33947	5.05	ng	-0.01
26) Terphenyl-d14	20.16	244	60702	6.24	ng	-0.02

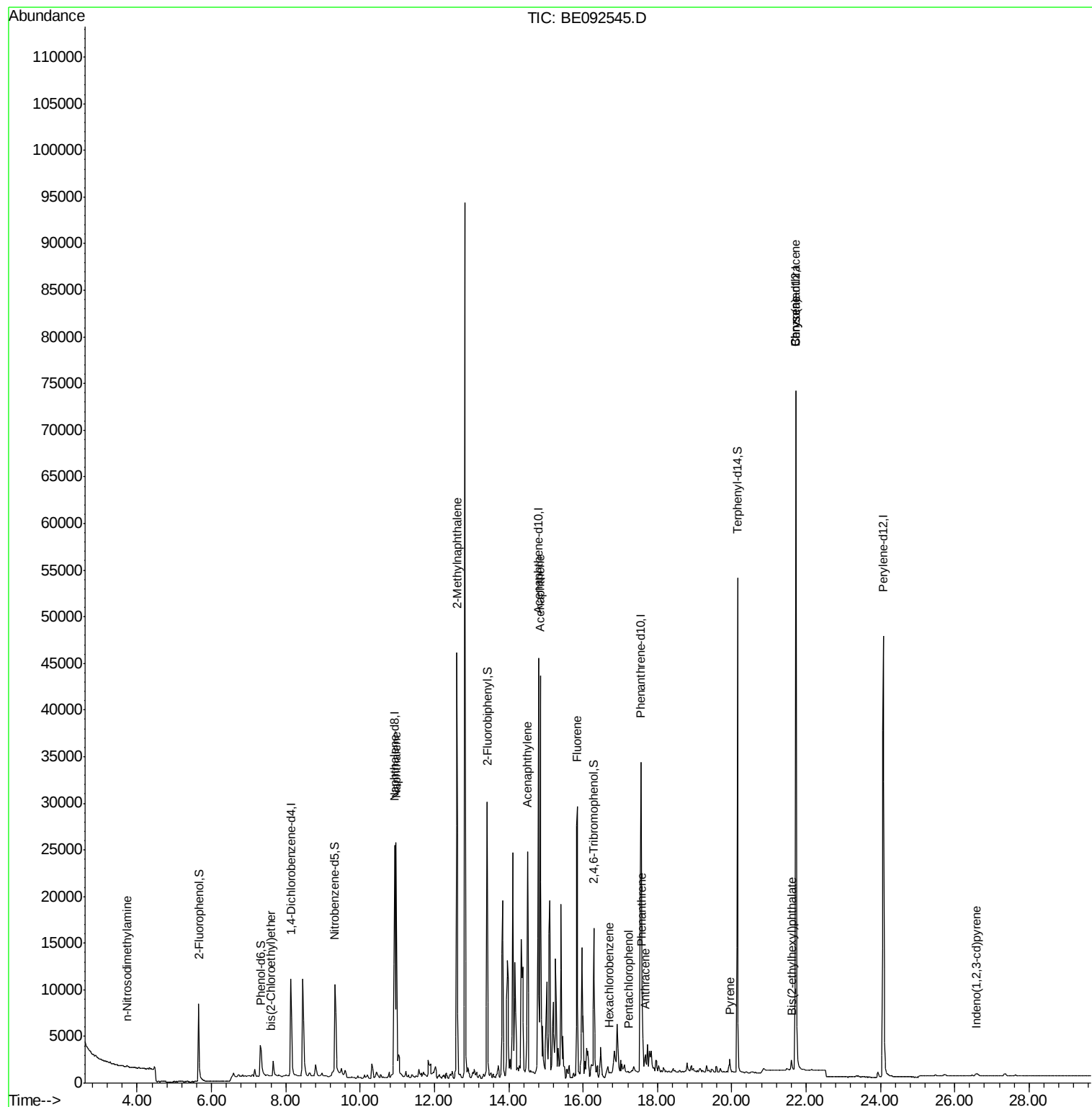
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.59	88	2	Below Cal	#	19
3) n-Nitrosodimethylamine	3.72	42	23	0.20 ng	#	2
6) bis(2-Chloroethyl)ether	7.61	93	21	0.05 ng	#	1
9) Naphthalene	10.97	128	42304	5.37 ng		98
11) 2-Methylnaphthalene	12.60	142	35706	7.11 ng		94
15) Acenaphthylene	14.51	152	19680	0.51 ng	#	1
16) Acenaphthene	14.85	154	9445	1.51 ng	#	68
17) Fluorene	15.85	166	22756	2.93 ng	#	96
19) Hexachlorobenzene	16.70	284	411	0.18 ng	#	39
20) Pentachlorophenol	17.23	266	26	0.08 ng	#	75
21) Phenanthrene	17.58	178	12331	0.95 ng	#	87
22) Anthracene	17.67	178	2273	0.19 ng	#	78
25) Pyrene	19.95	202	1865	0.03 ng	#	73
27) Benzo(a)anthracene	21.72	228	1660	0.12 ng	#	42
28) Chrysene	21.72	228	1660	0.02 ng	#	71
29) Bis(2-ethylhexyl)phthalate	21.61	149	1471	0.38 ng	#	22
30) Indeno(1,2,3-cd)pyrene	26.58	276	673	0.05 ng		94

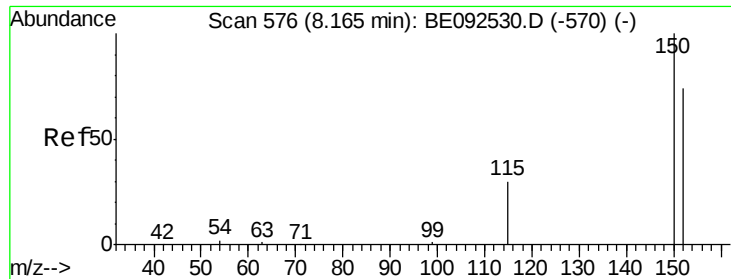
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
Data File : BE092545.D
Acq On : 16 Nov 2016 22:11
Operator : UM/SJ
Sample : H5636-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C19013041

Quant Time: Nov 17 04:52:55 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

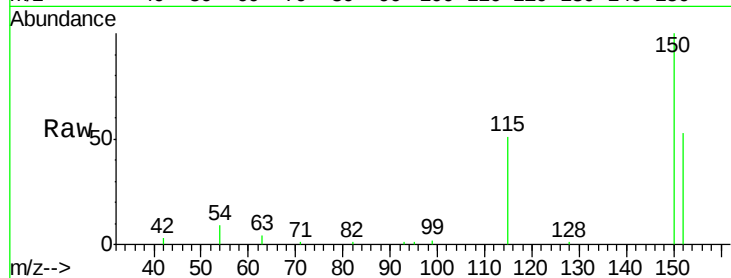
Tgt Ion: 152 Resp: 7517

Ion Ratio Lower Upper

152 100

150 187.8 106.0 159.0#

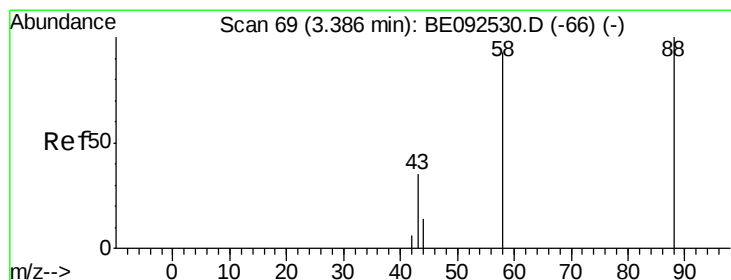
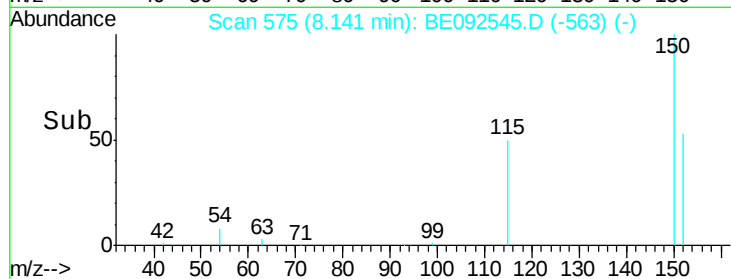
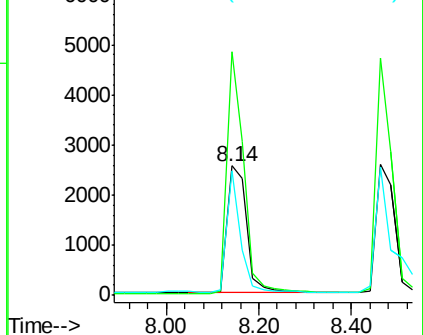
115 95.6 31.2 46.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.59 min Scan# 87

Delta R.T. 0.21 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

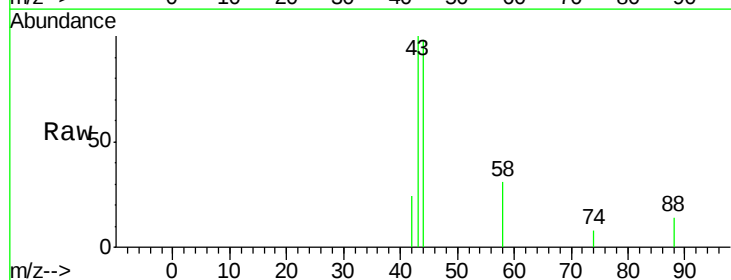
Tgt Ion: 88 Resp: 2

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

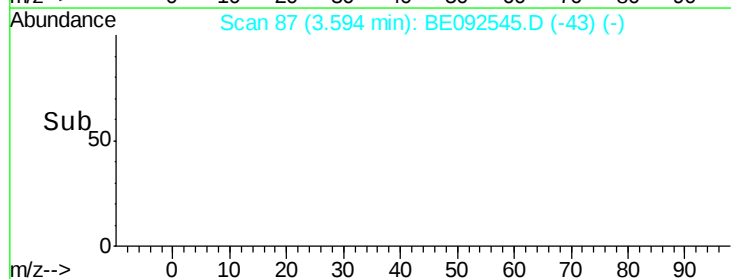
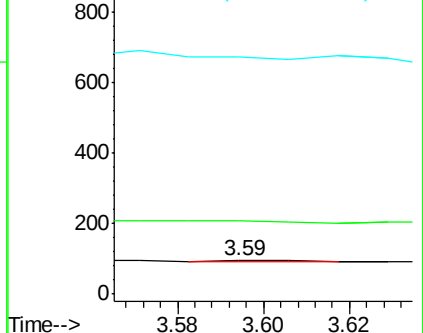
43 0.0 28.0 42.0#

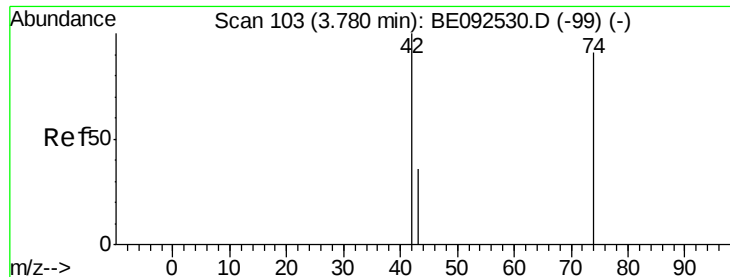


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.72 min Scan# 98

Delta R.T. -0.06 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

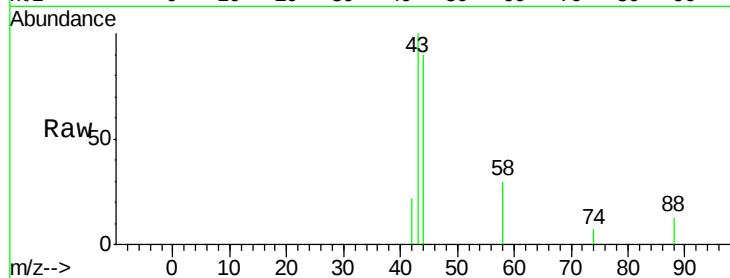
Tgt Ion: 42 Resp: 23

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

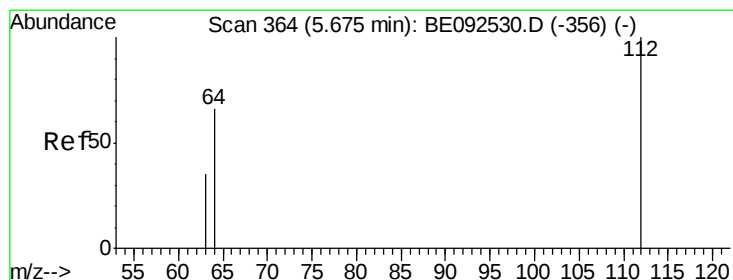
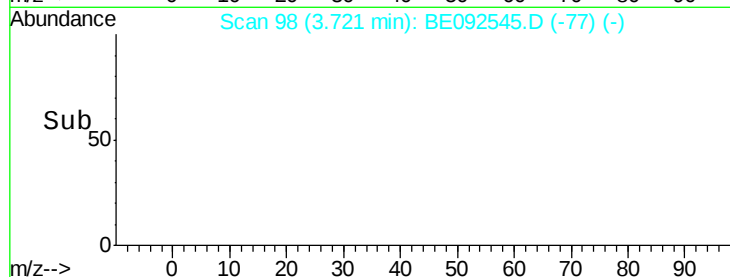
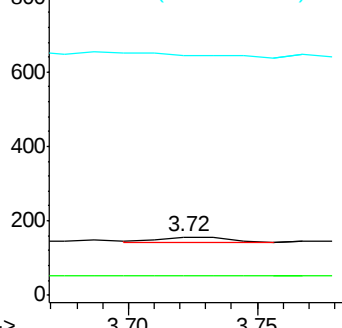
44 0.0 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 6.49 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

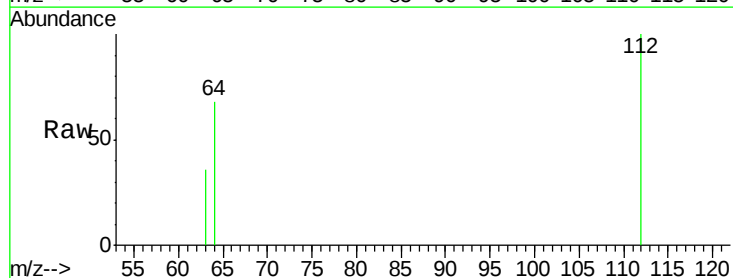
Tgt Ion: 112 Resp: 8244

Ion Ratio Lower Upper

112 100

64 67.7 53.5 80.3

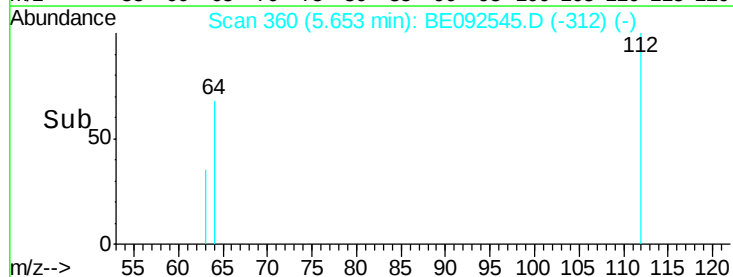
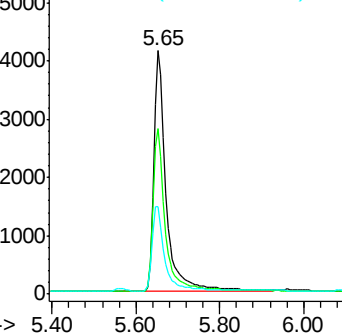
63 36.3 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.16 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampled :

C19013041

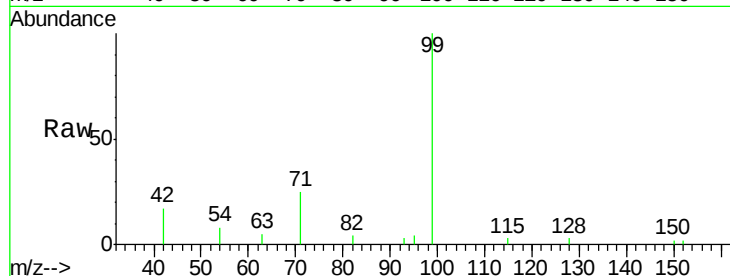
Tgt Ion: 99 Resp: 6542

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

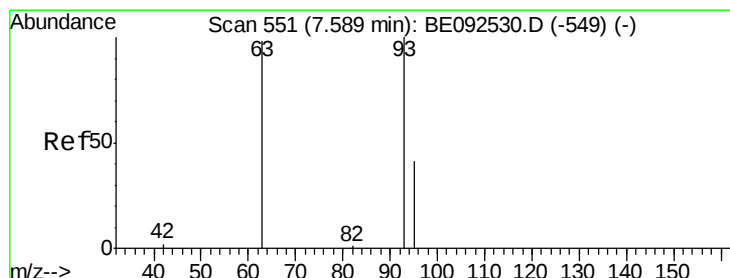
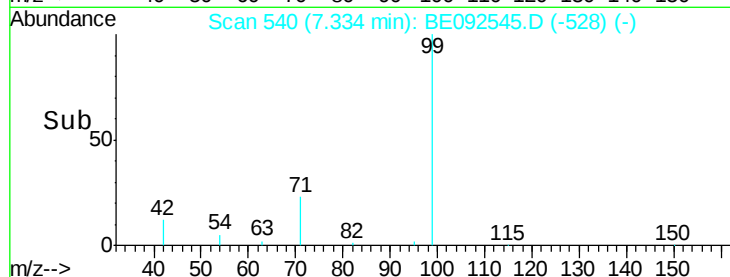
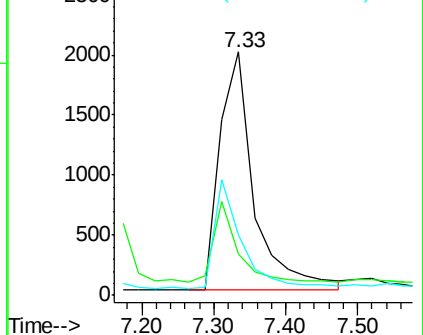
71 0.0 30.6 45.8#



Abundance Ion 99.00 (98.70 to 99.70): 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: 0.05 ng

RT: 7.61 min Scan# 552

Delta R.T. 0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

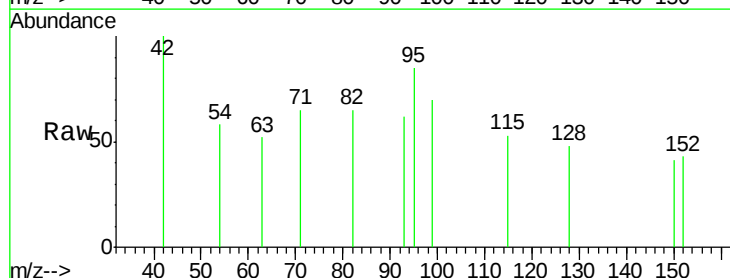
Tgt Ion: 93 Resp: 21

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

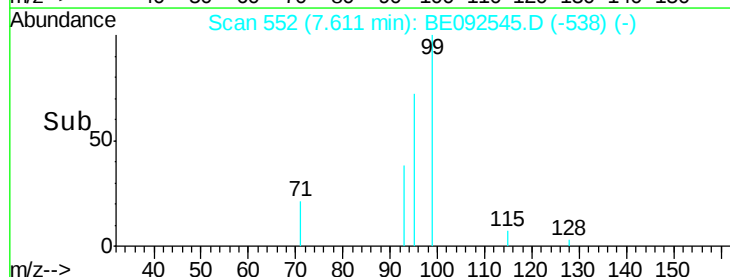
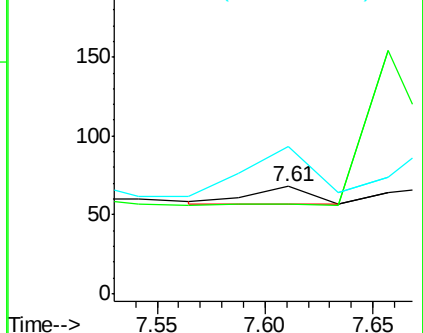
95 309.5 24.0 36.0#

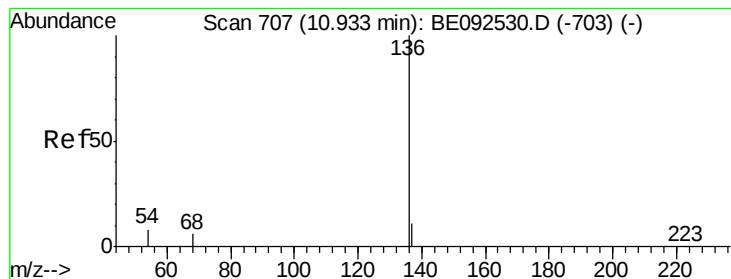


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

Tgt Ion: 136 Resp: 38153

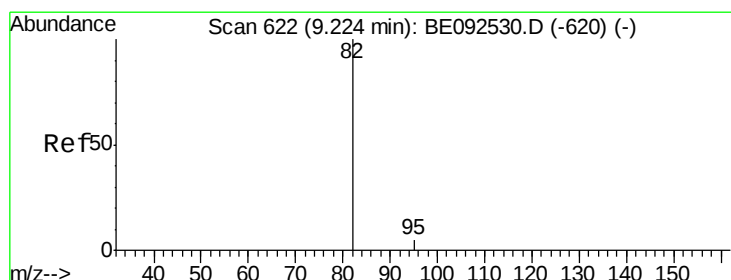
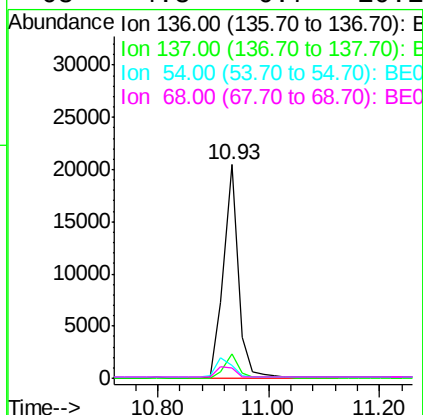
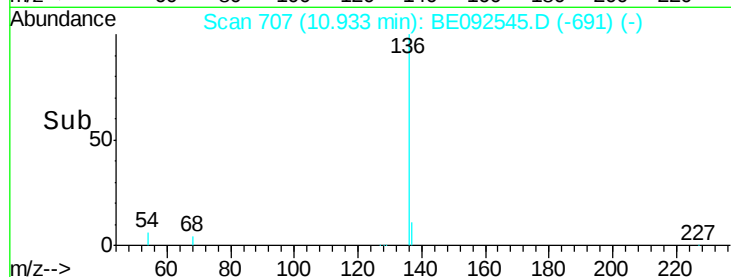
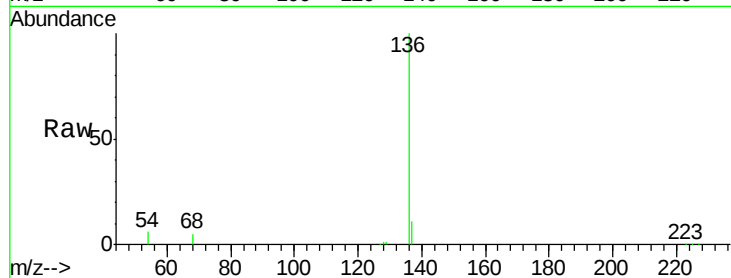
Ion Ratio Lower Upper

136 100

137 11.4 8.2 12.4

54 6.1 9.6 14.4#

68 4.8 6.7 10.1#



#8

Nitrobenzene-d5

Concen: 5.08 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

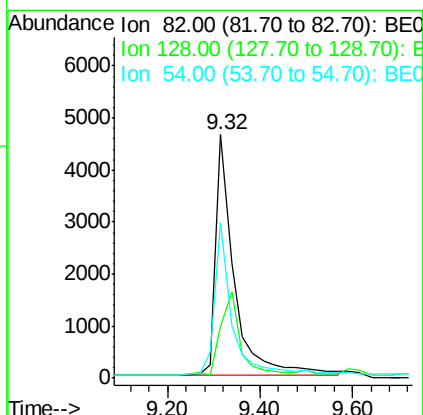
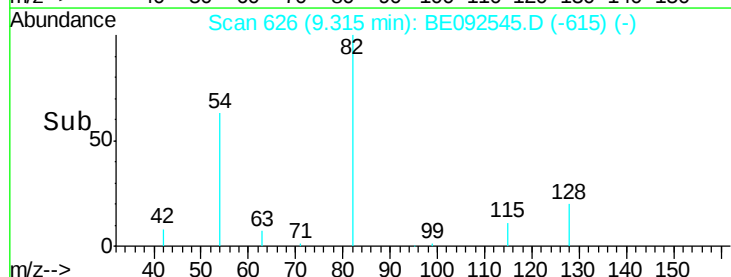
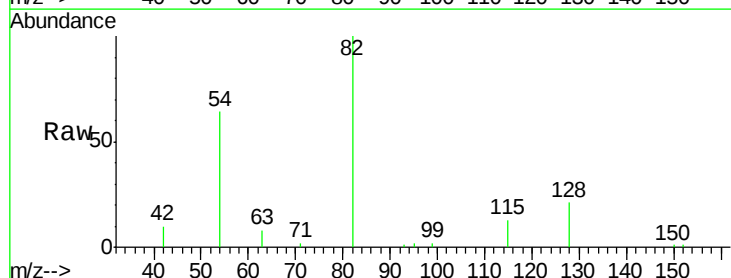
Tgt Ion: 82 Resp: 12585

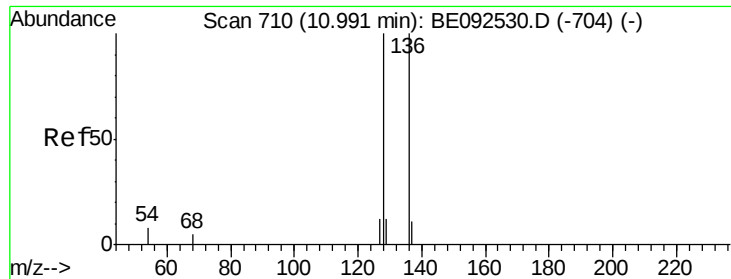
Ion Ratio Lower Upper

82 100

128 21.0 39.0 58.4#

54 63.7 44.8 67.2





#9

Naphthalene

Concen: 5.37 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

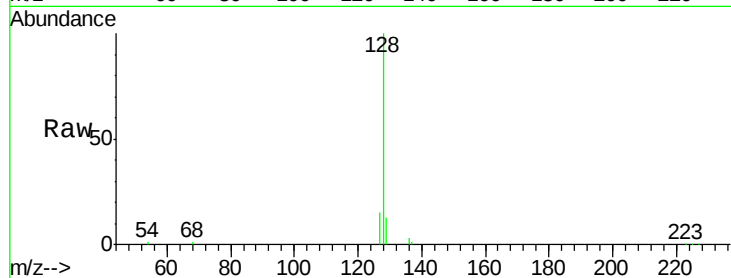
Tgt Ion:128 Resp: 42304

Ion Ratio Lower Upper

128 100

129 12.7 11.2 16.8

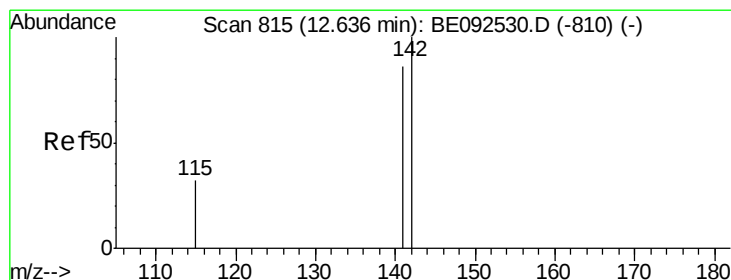
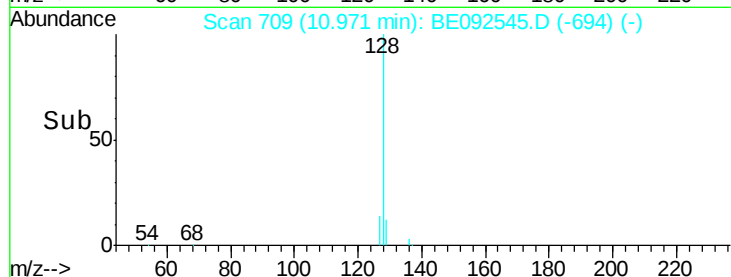
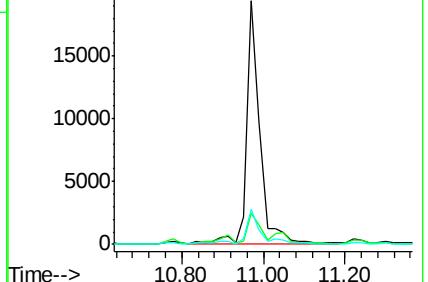
127 14.6 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene

Concen: 7.11 ng

RT: 12.60 min Scan# 812

Delta R.T. -0.04 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

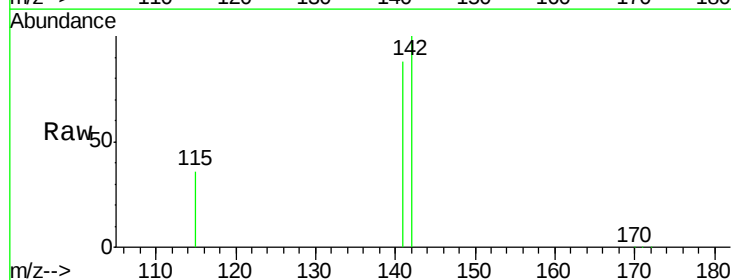
Tgt Ion:142 Resp: 35706

Ion Ratio Lower Upper

142 100

141 88.3 73.7 110.5

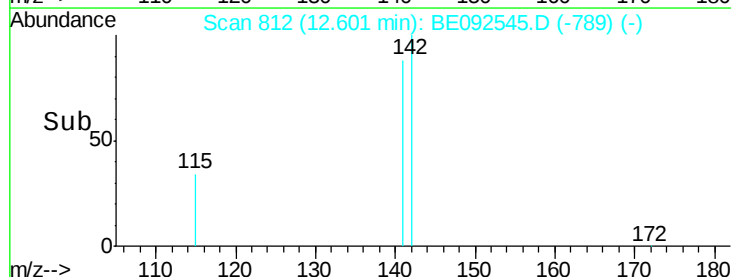
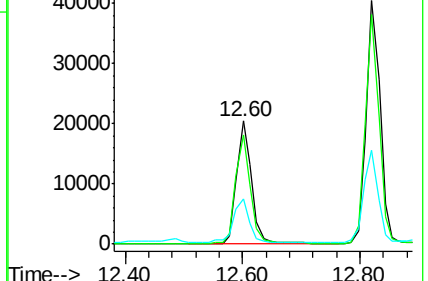
115 36.3 34.0 51.0

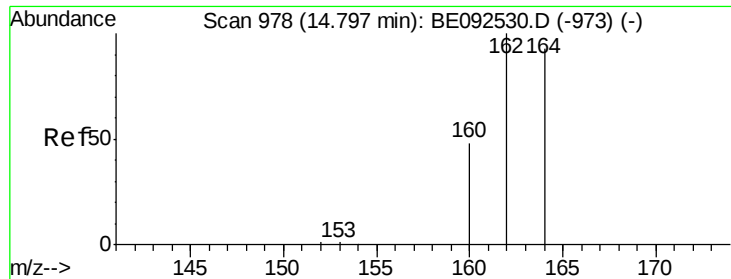


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

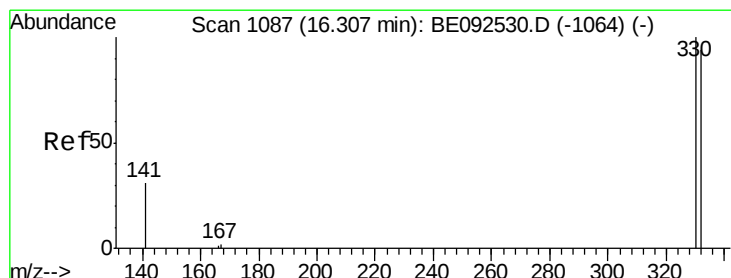
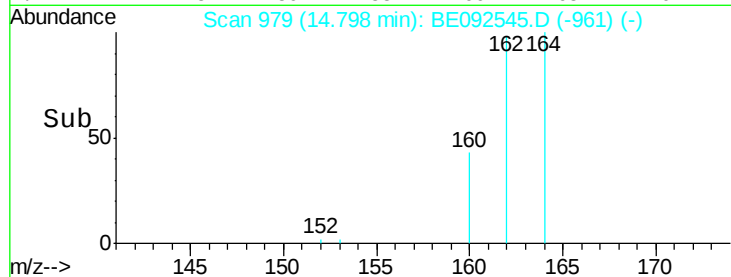
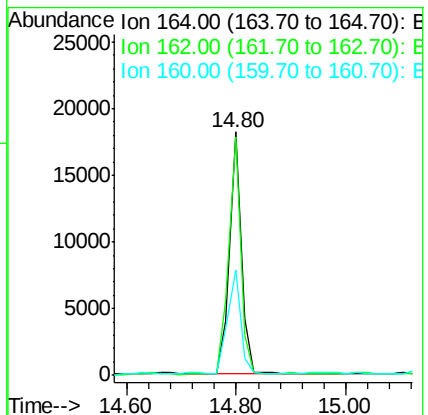
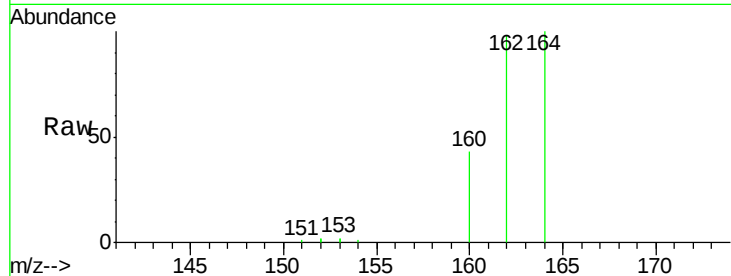
Tgt Ion:164 Resp: 27590

Ion Ratio Lower Upper

164 100

162 98.1 71.4 107.0

160 43.0 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 16.22 ng

RT: 16.29 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

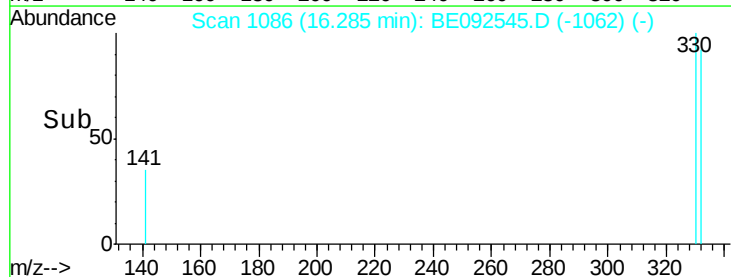
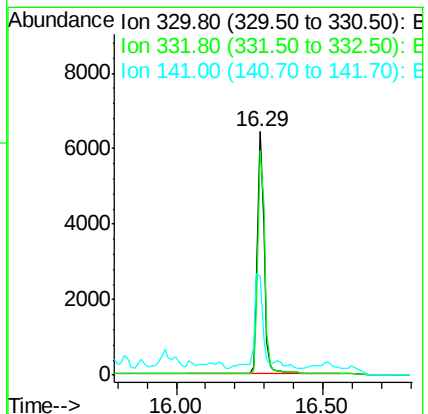
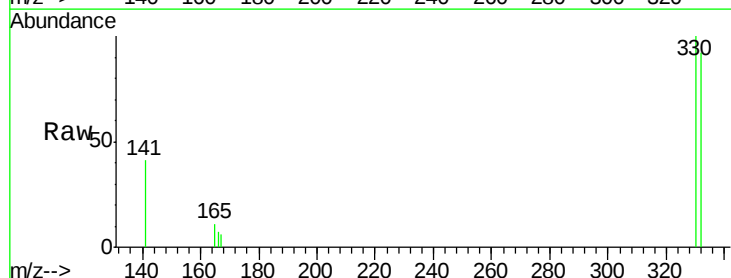
Tgt Ion:330 Resp: 10038

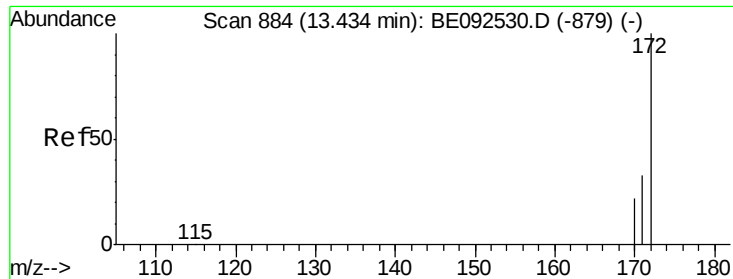
Ion Ratio Lower Upper

330 100

332 96.7 75.4 113.0

141 50.2 31.0 46.6#

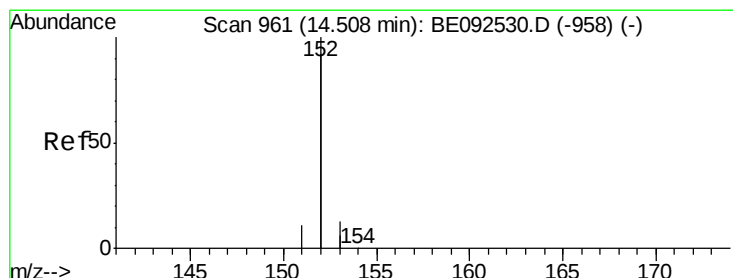
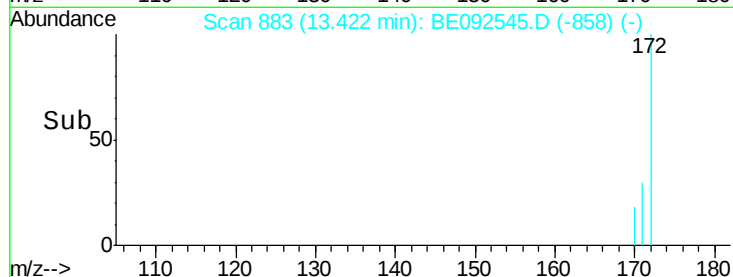
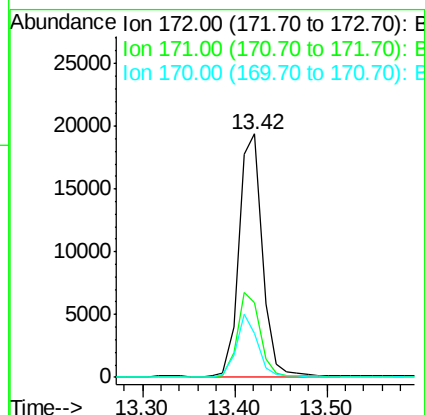
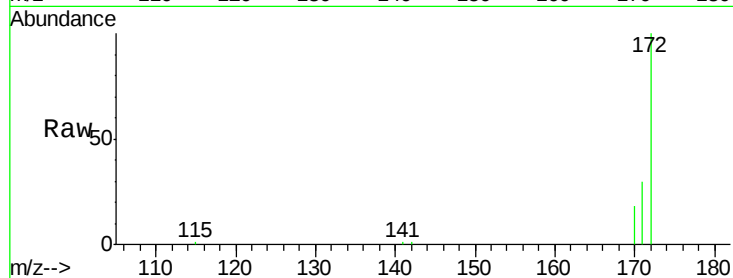




#14
2-Fluorobiphenyl
Concen: 5.05 ng
RT: 13.42 min Scan# 883
Delta R.T. -0.01 min
Lab File: BE092545.D
Acq: 16 Nov 2016 22:11

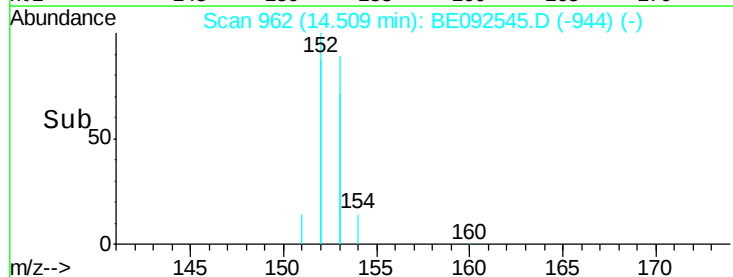
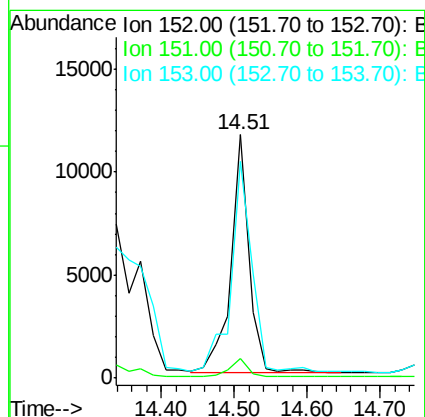
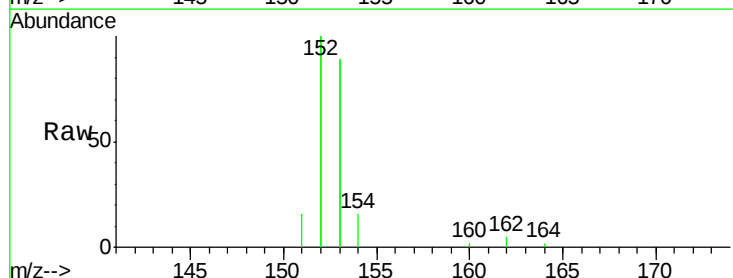
Instrument :
BNA_E
ClientSampleId :
C19013041

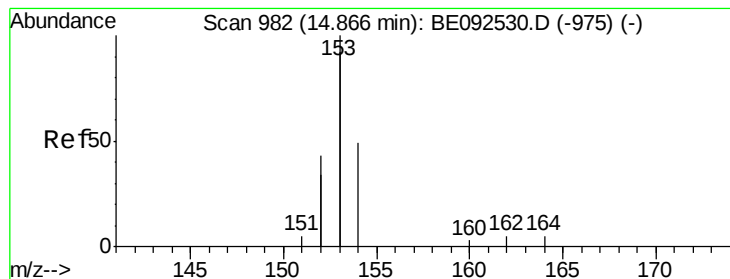
Tgt Ion:172 Resp: 33947
Ion Ratio Lower Upper
172 100
171 30.5 30.1 45.1
170 18.1 21.8 32.6#



#15
Acenaphthylene
Concen: 0.51 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092545.D
Acq: 16 Nov 2016 22:11

Tgt Ion:152 Resp: 19680
Ion Ratio Lower Upper
152 100
151 7.7 3.9 5.9#
153 101.5 10.4 15.6#





#16

Acenaphthene

Concen: 1.51 ng

RT: 14.85 min Scan# 982

Delta R.T. -0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

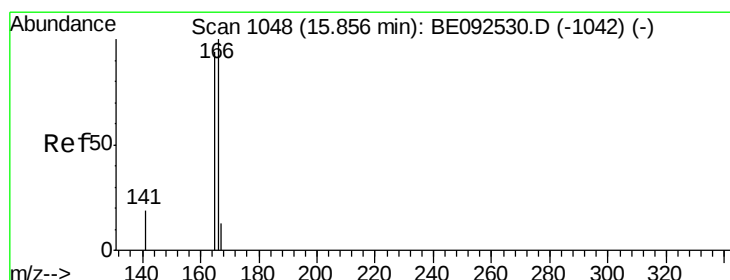
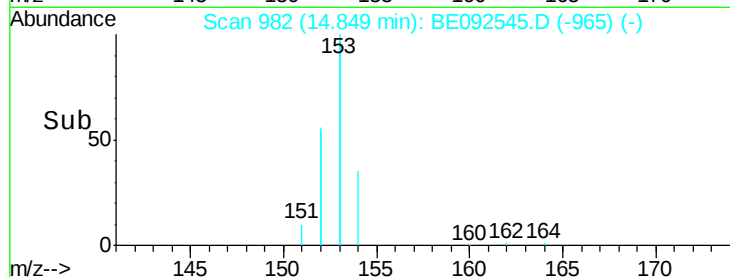
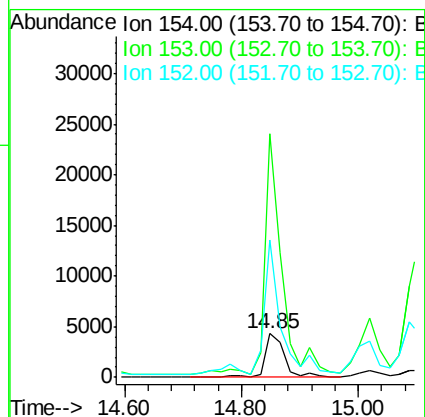
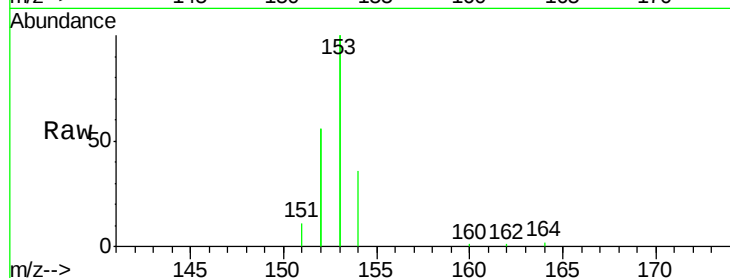
Tgt Ion:154 Resp: 9445

Ion Ratio Lower Upper

154 100

153 509.7 350.8 526.2

152 275.3 171.1 256.7#



#17

Fluorene

Concen: 2.93 ng

RT: 15.85 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

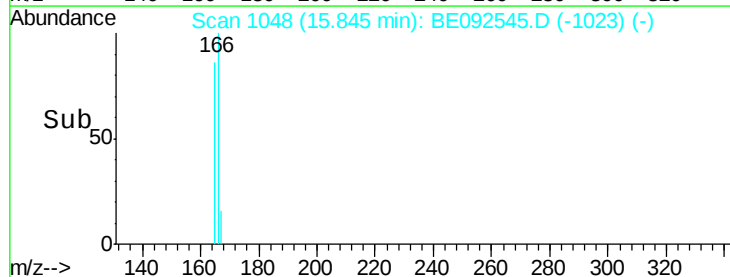
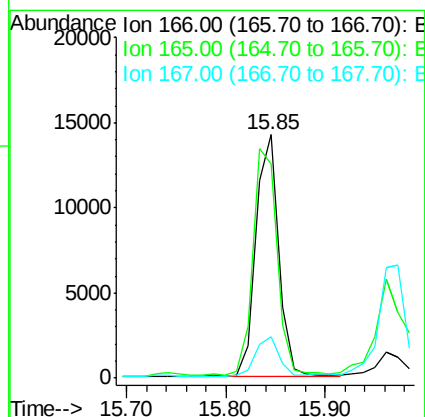
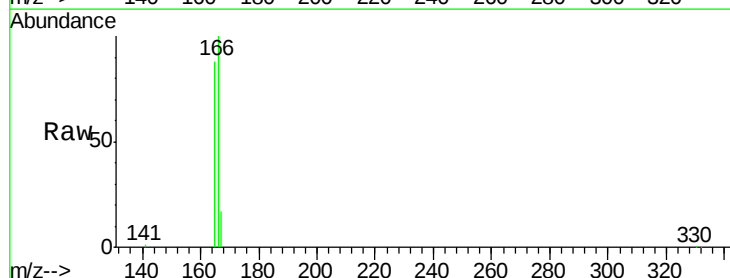
Tgt Ion:166 Resp: 22756

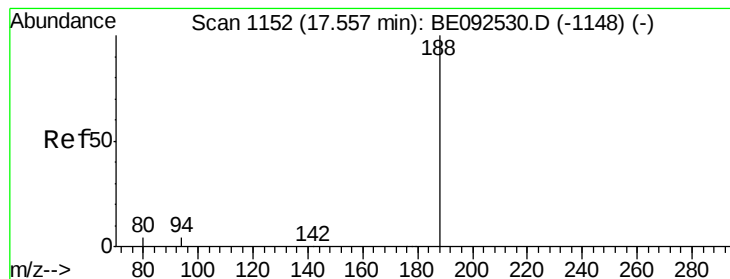
Ion Ratio Lower Upper

166 100

165 100.6 78.2 117.4

167 17.1 11.0 16.4#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

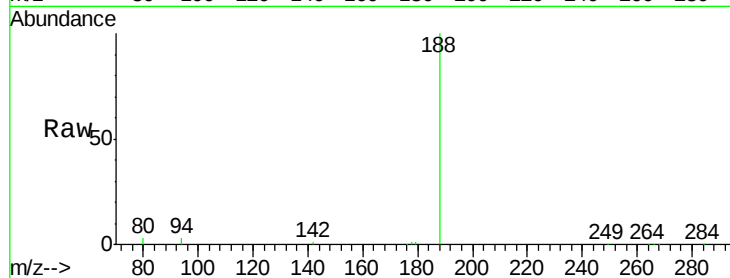
Tgt Ion:188 Resp: 58240

Ion Ratio Lower Upper

188 100

94 3.5 3.2 4.8

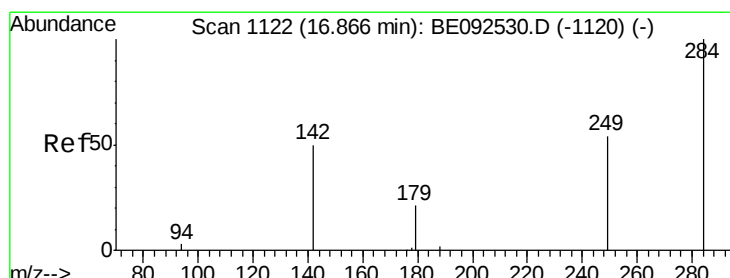
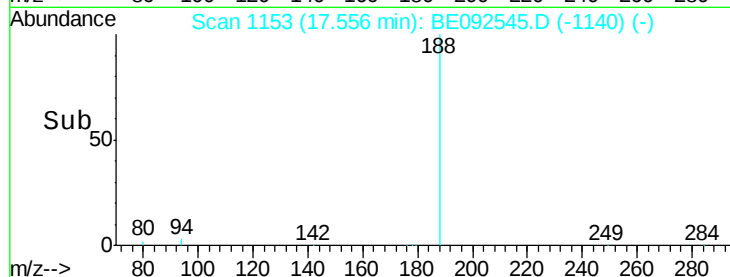
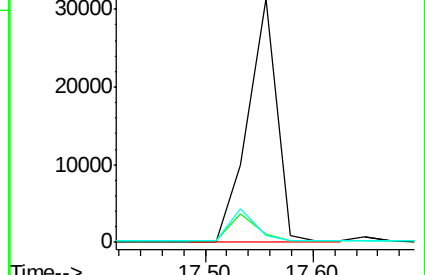
80 2.8 2.6 3.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#19

Hexachlorobenzene

Concen: 0.18 ng

RT: 16.70 min Scan# 1116

Delta R.T. -0.16 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

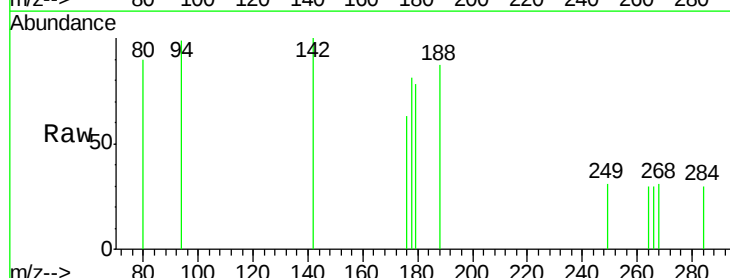
Tgt Ion:284 Resp: 411

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

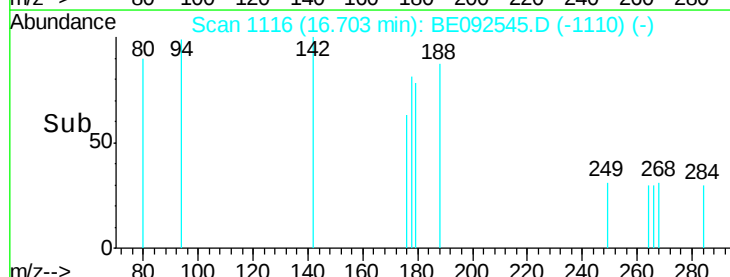
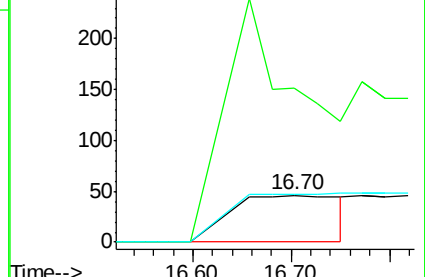
249 0.0 27.9 41.9#

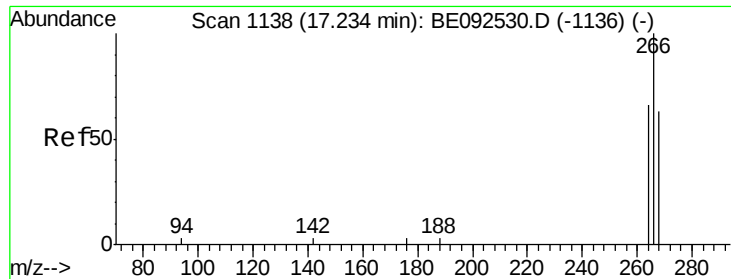


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#20

Pentachlorophenol

Concen: 0.08 ng

RT: 17.23 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

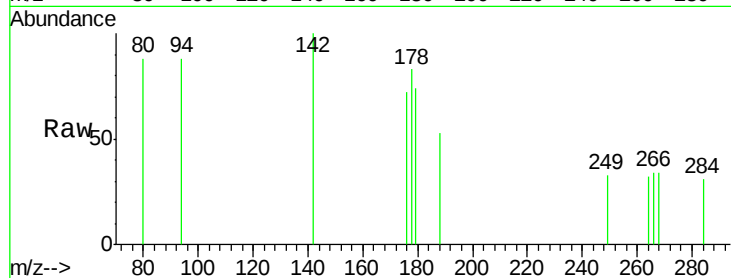
Tgt Ion:266 Resp: 26

Ion Ratio Lower Upper

266 100

268 98.0 62.5 93.7#

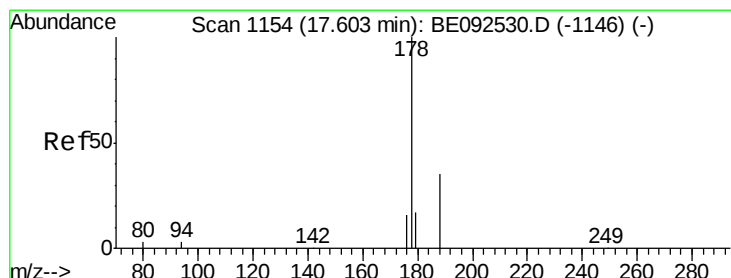
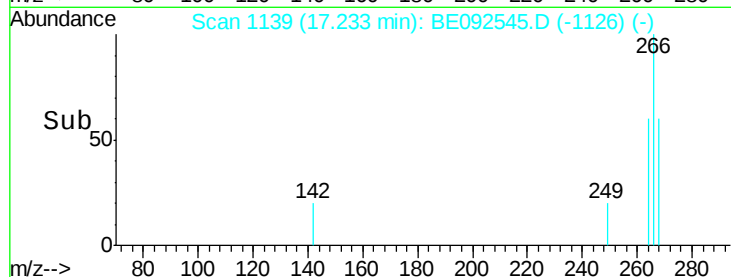
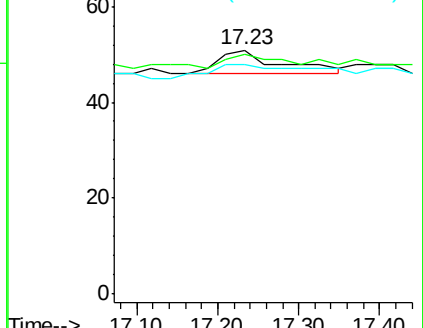
264 94.1 57.2 85.8#



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: 0.95 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

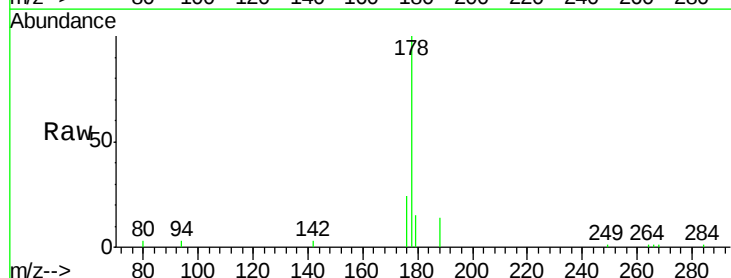
Tgt Ion:178 Resp: 12331

Ion Ratio Lower Upper

178 100

176 20.9 15.8 23.8

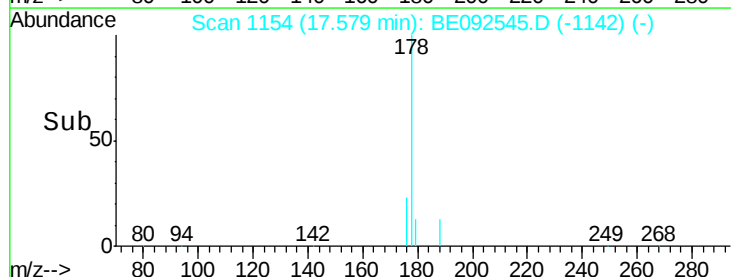
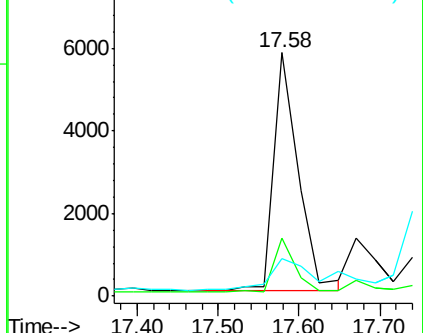
179 30.8 16.0 24.0#

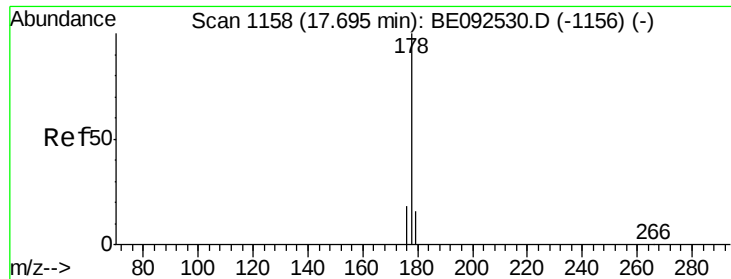


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#22

Anthracene

Concen: 0.19 ng

RT: 17.67 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

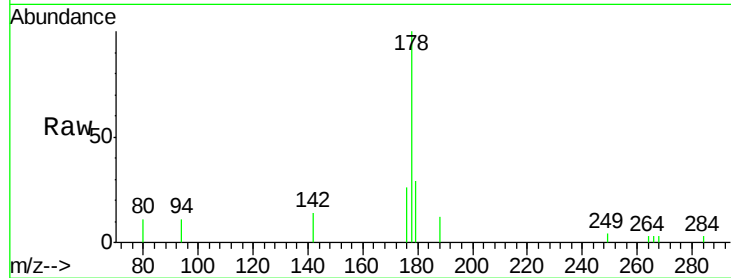
Tgt Ion:178 Resp: 2273

Ion Ratio Lower Upper

178 100

176 23.7 15.0 22.4#

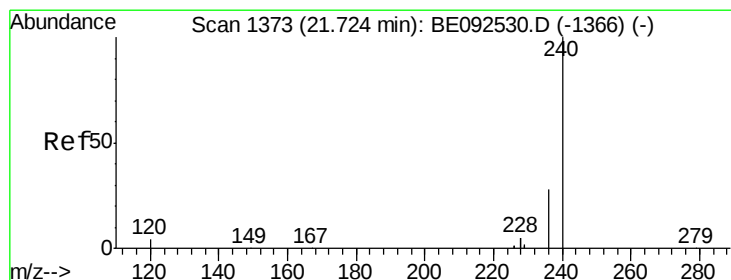
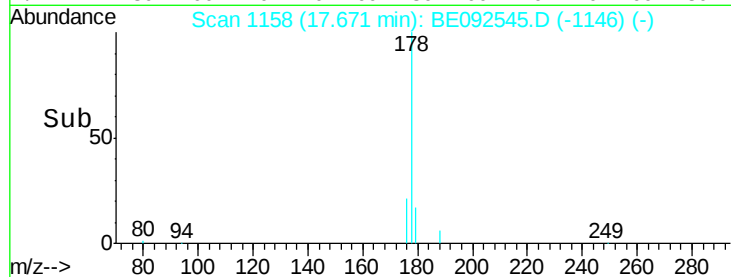
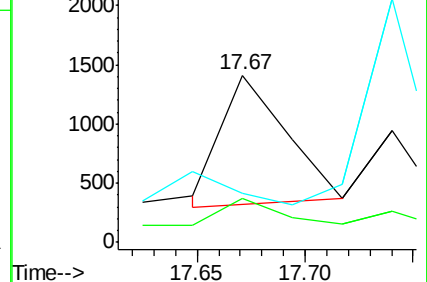
179 0.0 12.2 18.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

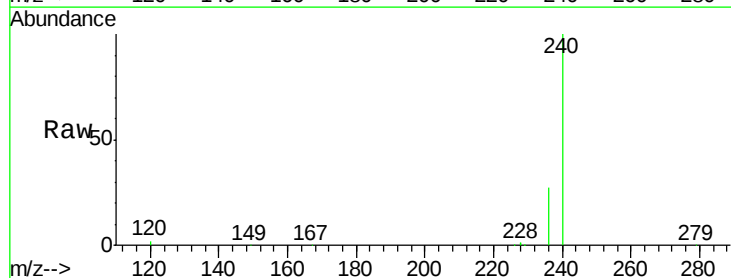
Tgt Ion:240 Resp: 85019

Ion Ratio Lower Upper

240 100

120 1.7 2.6 4.0#

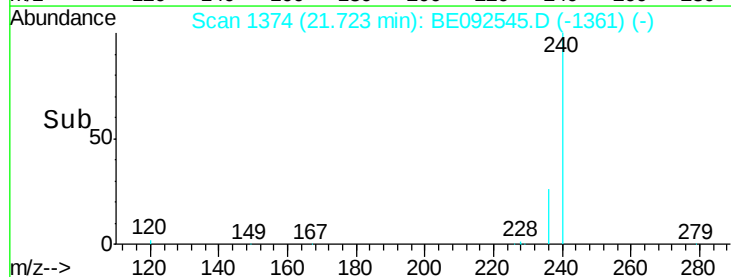
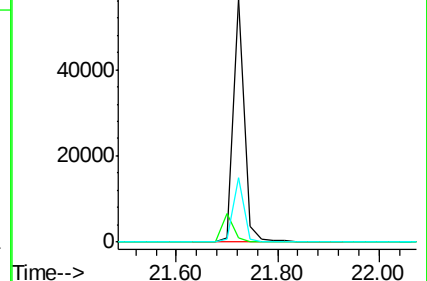
236 26.6 24.6 37.0

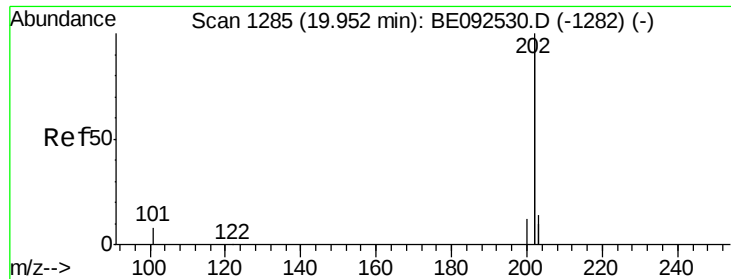


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

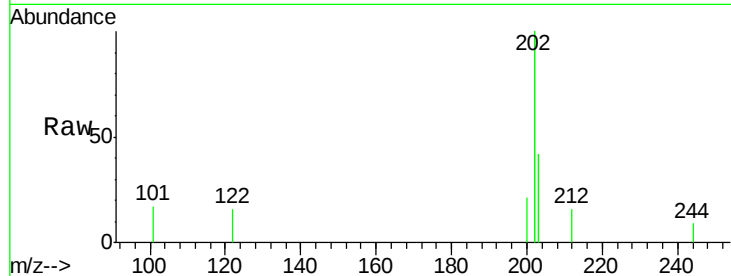




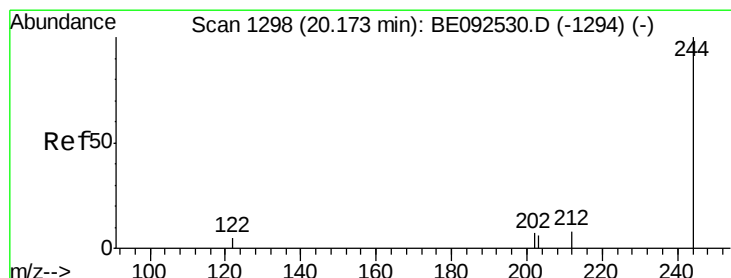
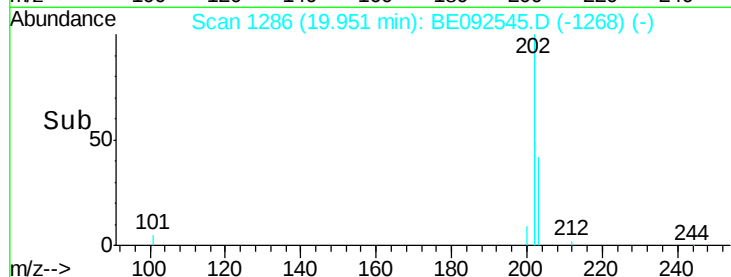
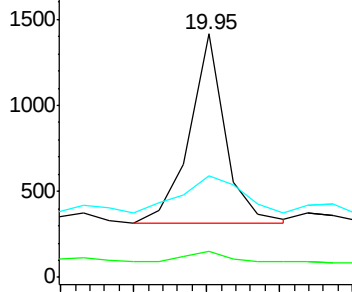
#25
 Pyrene
 Concen: 0.03 ng
 RT: 19.95 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: BE092545.D
 Acq: 16 Nov 2016 22:11

Instrument :
 BNA_E
 ClientSampleId :
 C19013041

Tgt Ion: 202 Resp: 1865
 Ion Ratio Lower Upper
 202 100
 200 8.8 4.2 6.4#
 203 31.6 13.9 20.9#

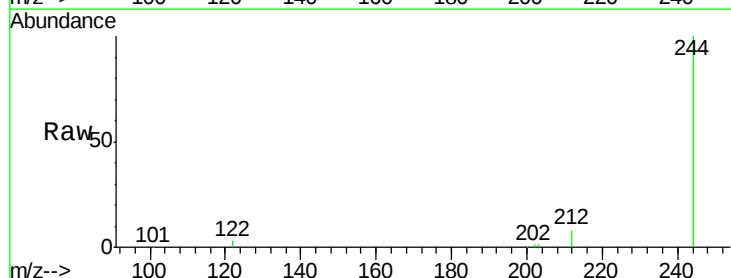


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

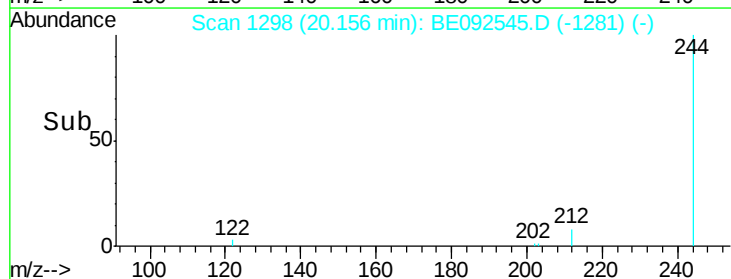
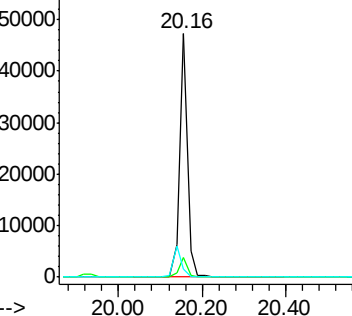


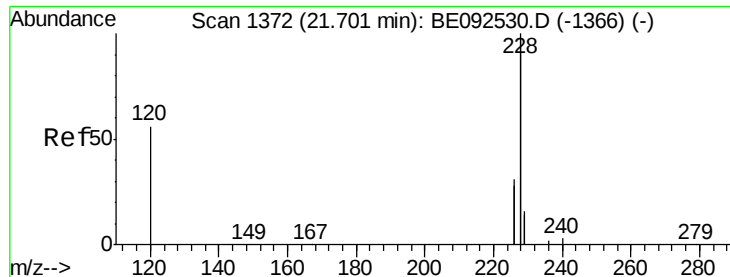
#26
 Terphenyl-d14
 Concen: 6.24 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092545.D
 Acq: 16 Nov 2016 22:11

Tgt Ion: 244 Resp: 60702
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.7 10.1
 122 3.4 3.6 5.4#



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 0.12 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

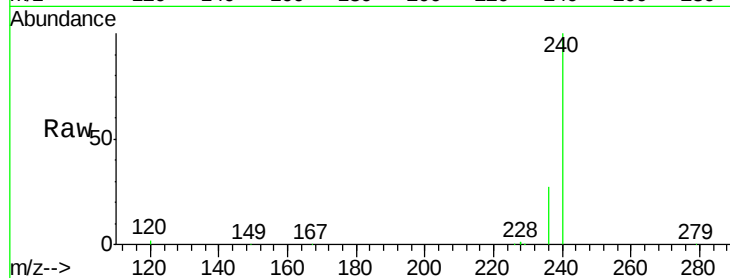
Tgt Ion:228 Resp: 1660

Ion Ratio Lower Upper

228 100

226 44.8 23.6 35.4#

229 64.0 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

21.72

600

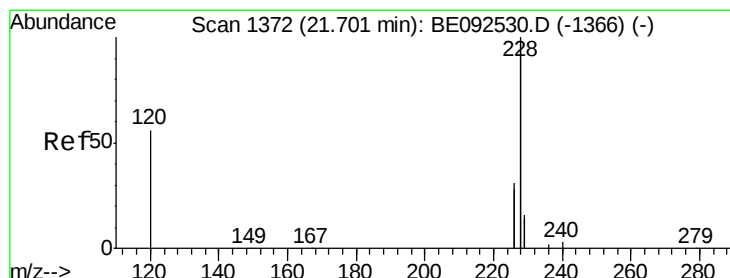
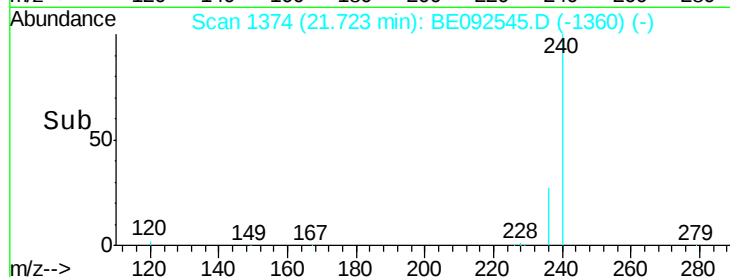
400

200

0

21.60 21.80

Time-->



#28

Chrysene

Concen: 0.02 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.05 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

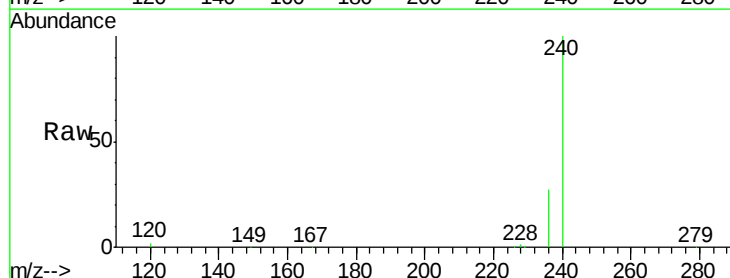
Tgt Ion:228 Resp: 1660

Ion Ratio Lower Upper

228 100

226 44.8 36.3 54.5

229 64.0 10.6 16.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.72

600

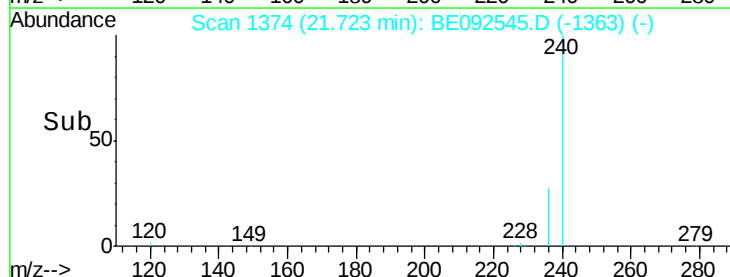
400

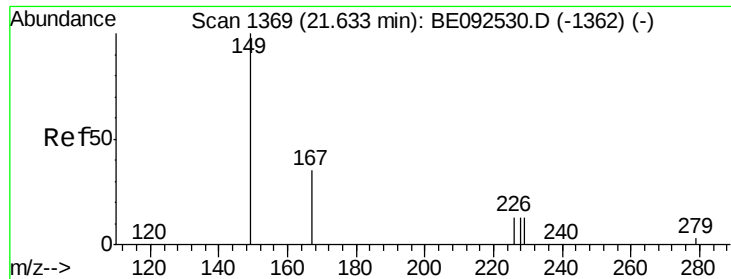
200

0

21.60 21.80

Time-->





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.38 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

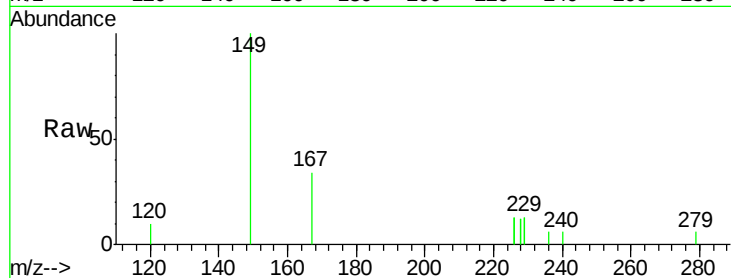
Tgt Ion:149 Resp: 1471

Ion Ratio Lower Upper

149 100

167 71.7 16.0 24.0#

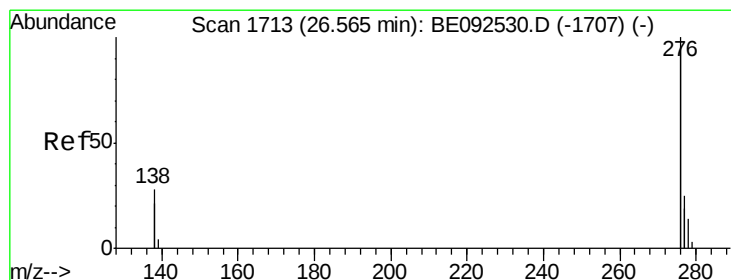
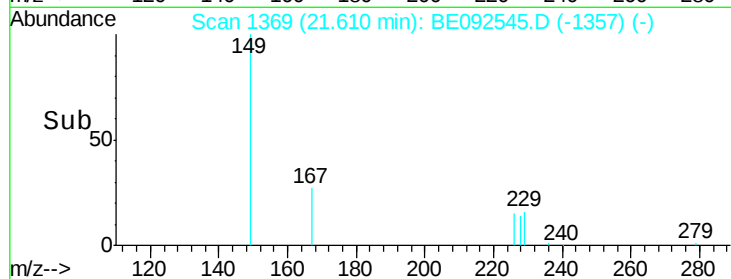
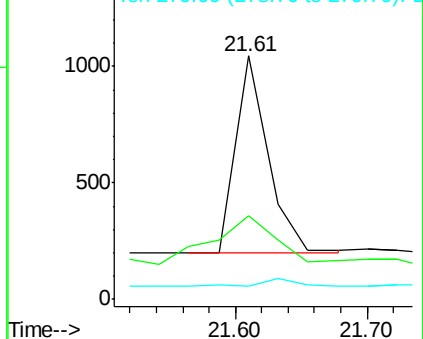
279 0.0 16.0 24.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.58 min Scan# 1715

Delta R.T. 0.02 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

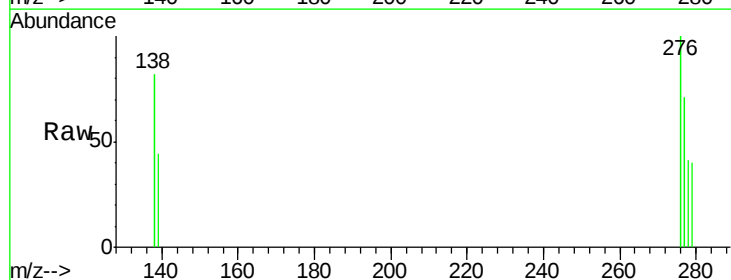
Tgt Ion:276 Resp: 673

Ion Ratio Lower Upper

276 100

138 21.2 20.3 30.5

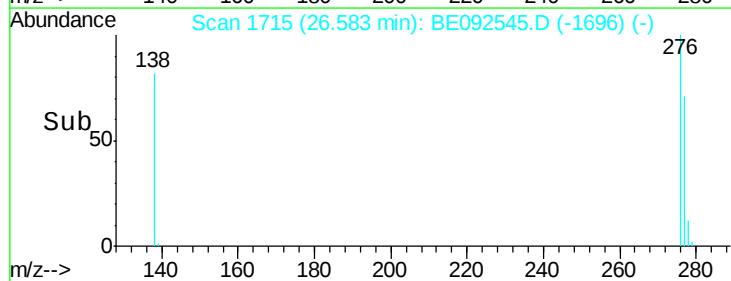
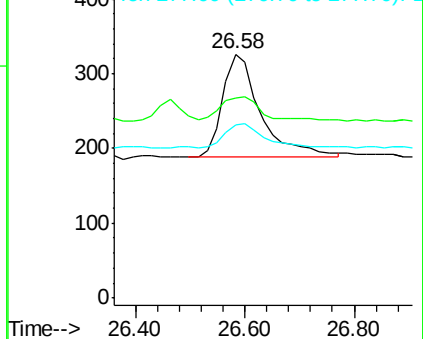
277 26.7 19.7 29.5

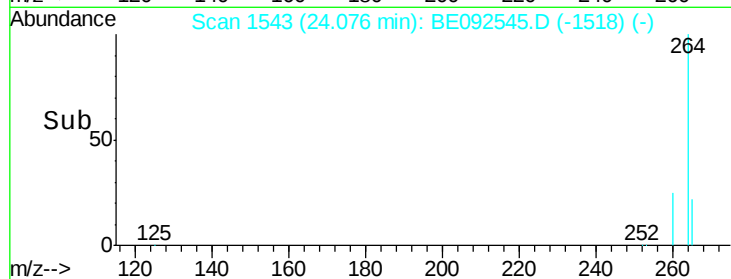
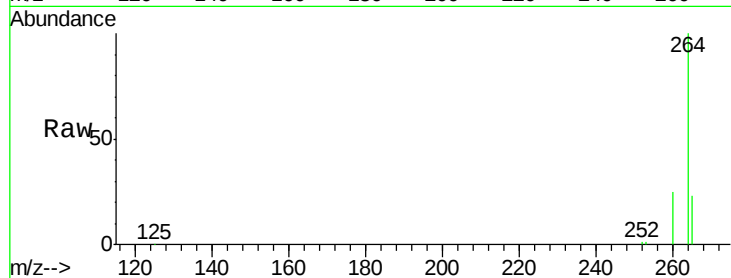
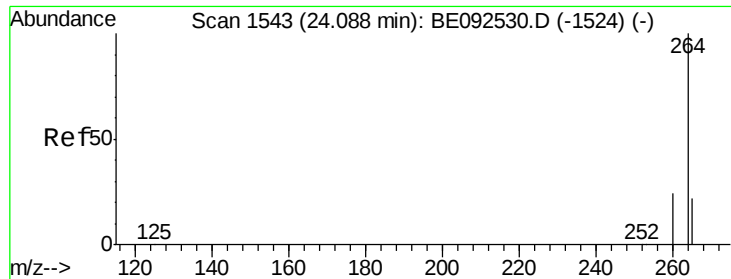


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092545.D

Acq: 16 Nov 2016 22:11

Instrument :

BNA_E

ClientSampleId :

C19013041

Tgt Ion: 264 Resp: 72896

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

265 22.5 17.9 26.9

