

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
 Data File : BE092547.D
 Acq On : 16 Nov 2016 23:25
 Operator : UM/SJ
 Sample : H5636-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C19033041

Quant Time: Nov 17 04:53:20 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	7793	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	37545	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	27323	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	58552	5.00	ng	0.00
24) Chrysene-d12	21.72	240	88166	5.00	ng	0.00
31) Perylene-d12	24.08	264	75990	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.65	112	6855	5.21	ng	-0.02
5) Phenol-d6	7.34	99	5331	2.51	ng	-0.02
8) Nitrobenzene-d5	9.32	82	11136	4.58	ng	-0.05
13) 2,4,6-Tribromophenol	16.28	330	8648	14.11	ng	-0.02
14) 2-Fluorobiphenyl	13.42	172	29724	4.46	ng	-0.01
26) Terphenyl-d14	20.16	244	54553	5.41	ng	-0.02

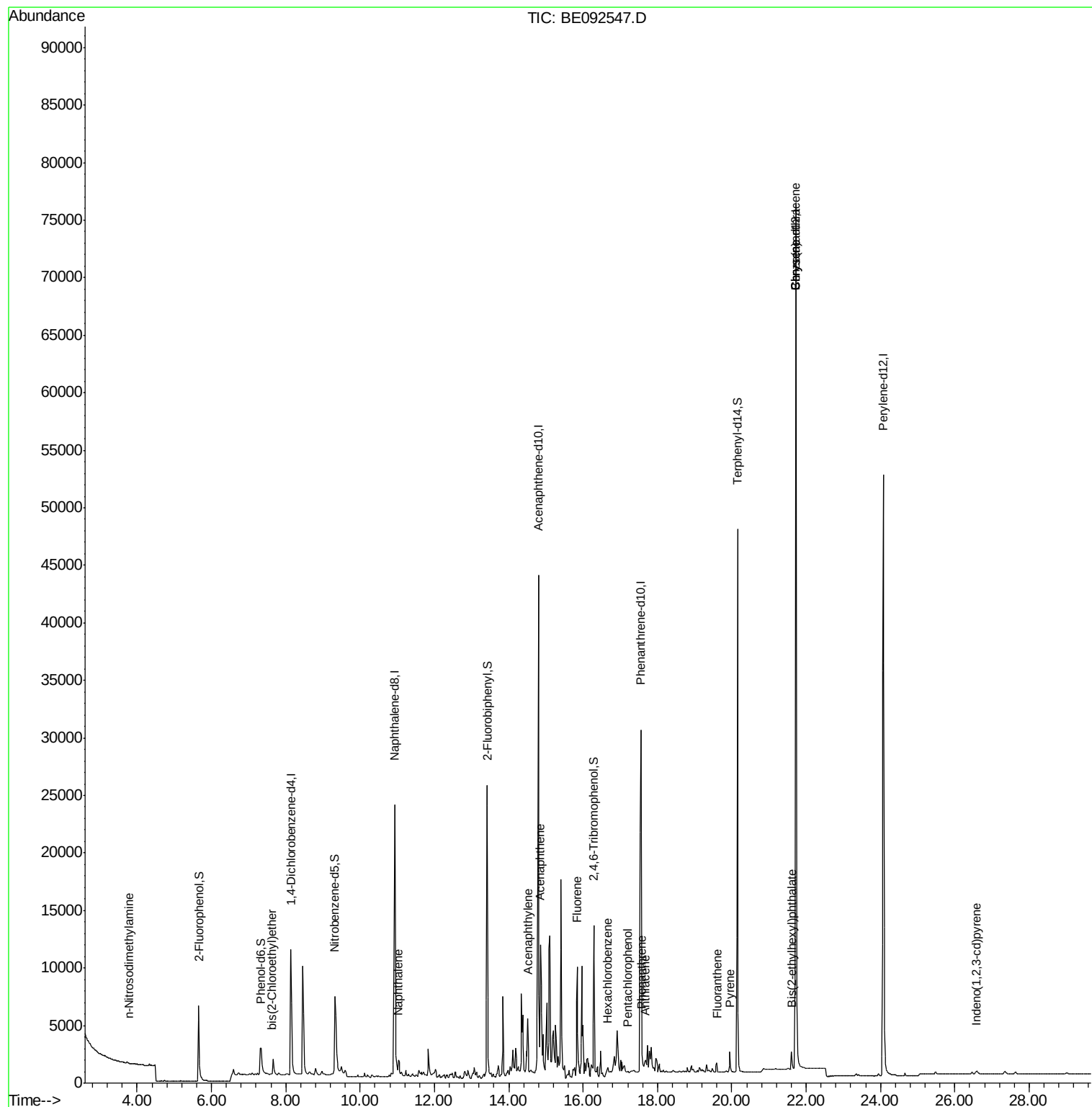
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.79	42	30	0.20	ng	# 17
6) bis(2-Chloroethyl)ether	7.61	93	15	0.05	ng	# 1
9) Naphthalene	11.03	128	1814	0.23	ng	# 1
15) Acenaphthylene	14.51	152	4763	0.13	ng	# 1
16) Acenaphthene	14.85	154	2850	0.46	ng	# 32
17) Fluorene	15.84	166	7089	0.92	ng	# 92
19) Hexachlorobenzene	16.66	284	116	0.05	ng	# 1
20) Pentachlorophenol	17.21	266	28	0.09	ng	# 73
21) Phenanthrene	17.58	178	1415	0.11	ng	# 68
22) Anthracene	17.67	178	1424	0.12	ng	# 79
23) Fluoranthene	19.59	202	1272	0.02	ng	# 94
25) Pyrene	19.95	202	2216	0.03	ng	# 82
27) Benzo(a)anthracene	21.72	228	1972	0.12	ng	# 57
28) Chrysene	21.72	228	2046	0.03	ng	# 65
29) Bis(2-ethylhexyl)phthalate	21.61	149	2062	0.47	ng	# 71
30) Indeno(1,2,3-cd)pyrene	26.58	276	875	0.06	ng	# 97

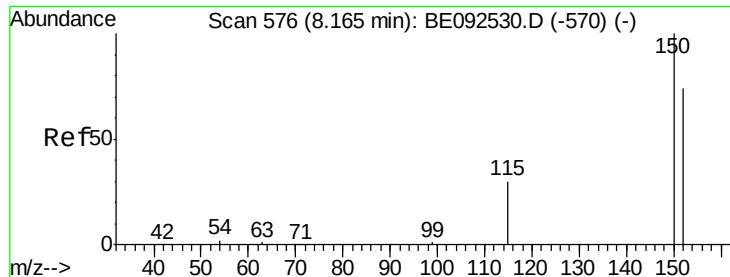
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

Instrument :

BNA_E

ClientSampleId :

C19033041

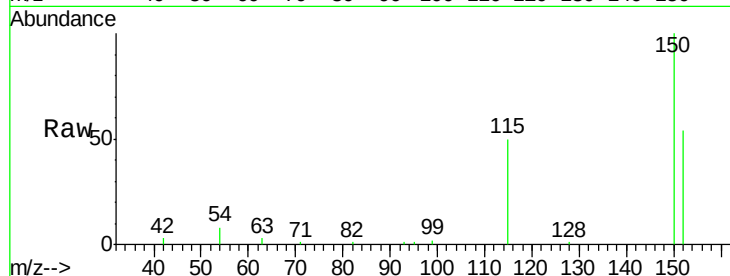
Tgt Ion:152 Resp: 7793

Ion Ratio Lower Upper

152 100

150 186.7 106.0 159.0#

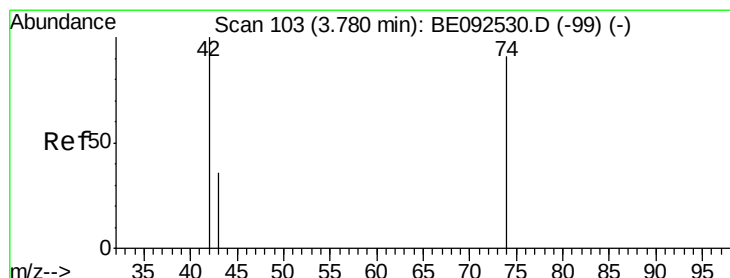
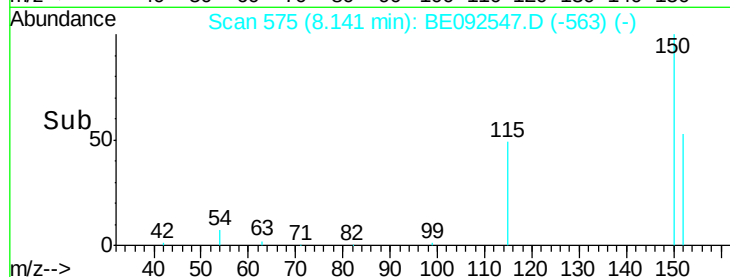
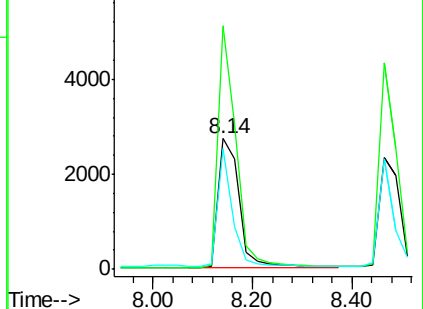
115 92.6 31.2 46.8#



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



#3

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.79 min Scan# 104

Delta R.T. 0.01 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

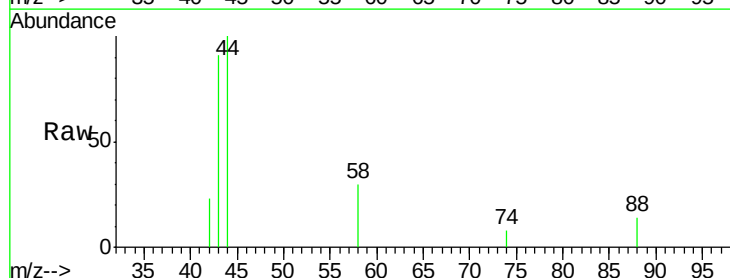
Tgt Ion: 42 Resp: 30

Ion Ratio Lower Upper

42 100

74 16.7 86.0 129.0#

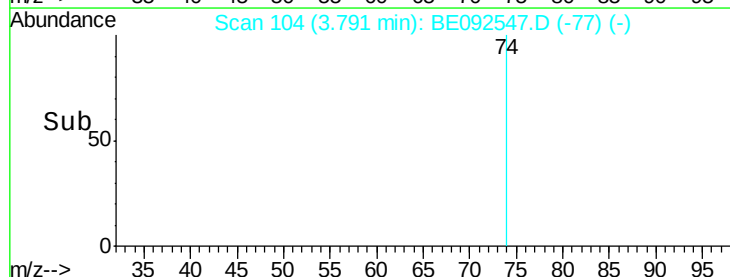
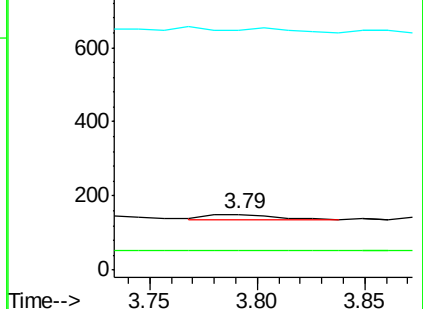
44 0.0 5.1 7.7#

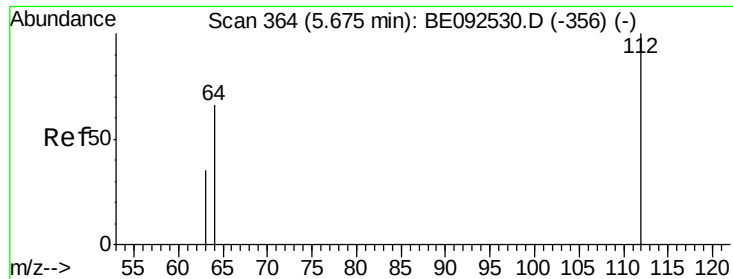


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

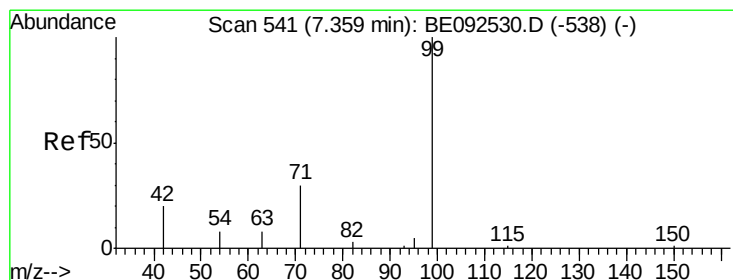
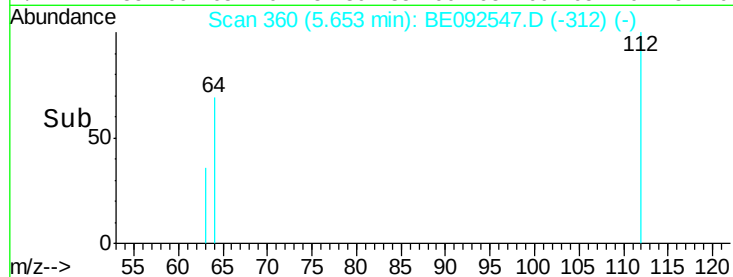
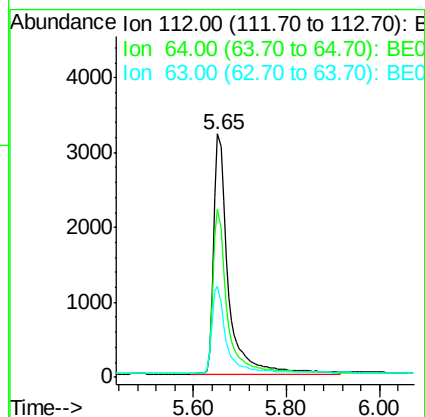
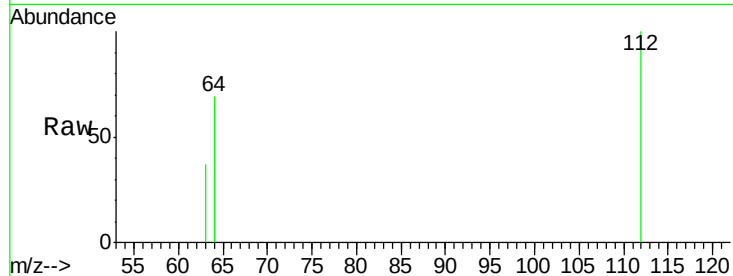




#4
2-Fluorophenol
Concen: 5.21 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.02 min
Lab File: BE092547.D
Acq: 16 Nov 2016 23:25

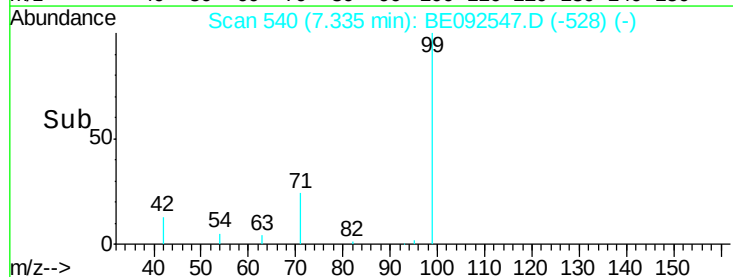
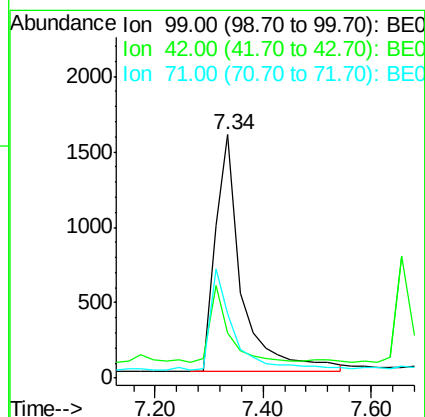
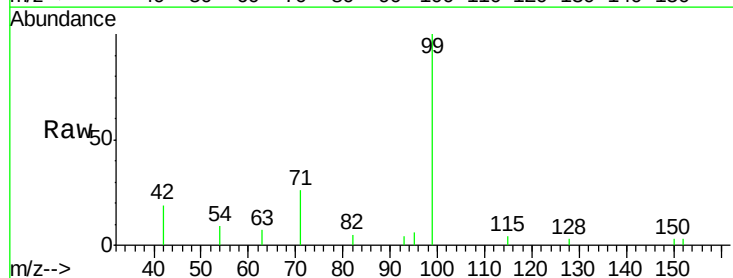
Instrument :
BNA_E
ClientSampleId :
C19033041

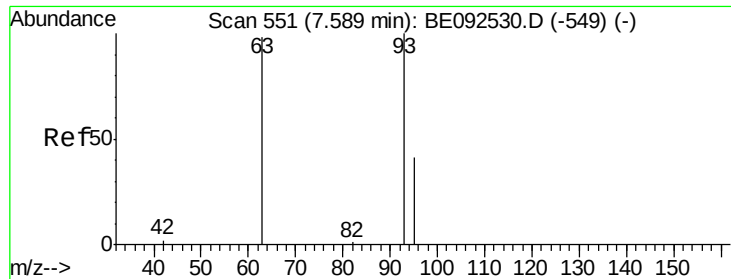
Tgt Ion: 112 Resp: 6855
Ion Ratio Lower Upper
112 100
64 68.2 53.5 80.3
63 36.3 27.9 41.9



#5
Phenol-d6
Concen: 2.51 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092547.D
Acq: 16 Nov 2016 23:25

Tgt Ion: 99 Resp: 5331
Ion Ratio Lower Upper
99 100
42 0.0 16.0 24.0#
71 0.0 30.6 45.8#





#6

bis(2-Chloroethyl)ether

Concen: 0.05 ng

RT: 7.61 min Scan# 552

Delta R.T. 0.02 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

Instrument :

BNA_E

ClientSampleId :

C19033041

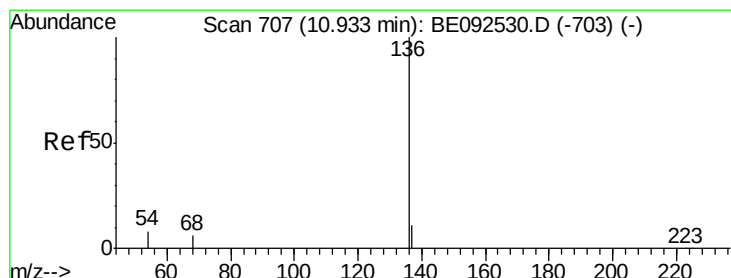
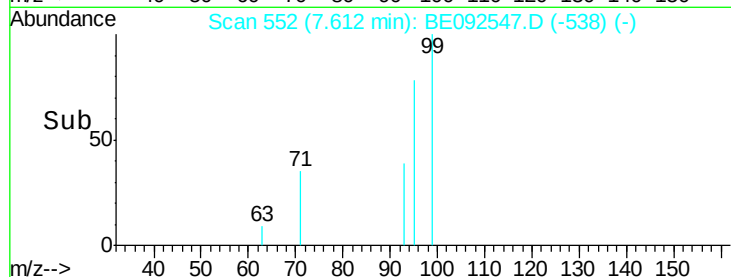
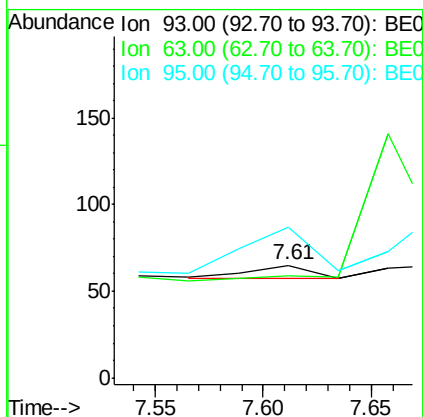
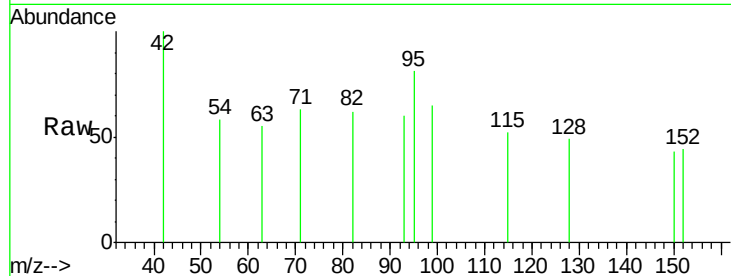
Tgt Ion: 93 Resp: 15

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

95 393.3 24.0 36.0#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

Tgt Ion: 136 Resp: 37545

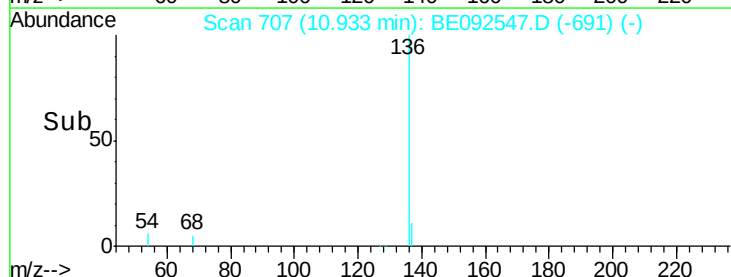
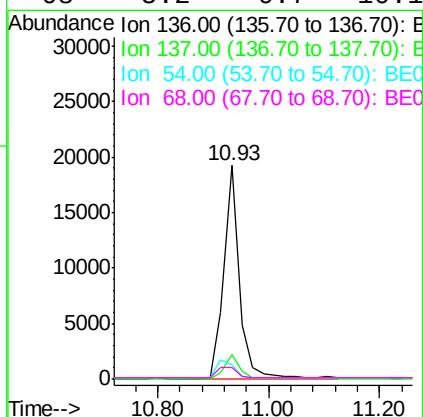
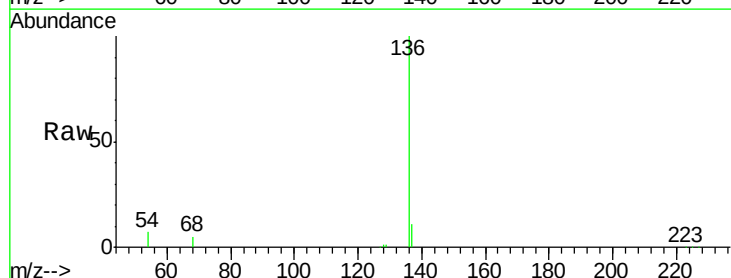
Ion Ratio Lower Upper

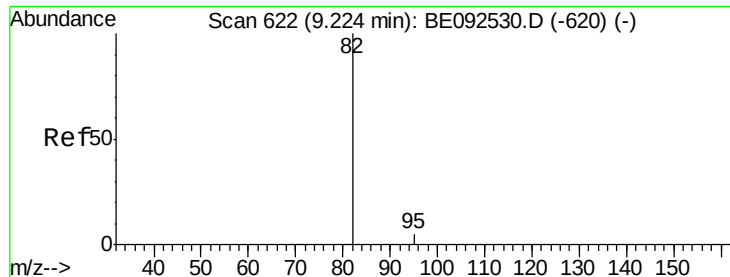
136 100

137 11.3 8.2 12.4

54 6.8 9.6 14.4#

68 5.2 6.7 10.1#





#8

Nitrobenzene-d5

Concen: 4.58 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

Instrument :

BNA_E

ClientSampleId :

C19033041

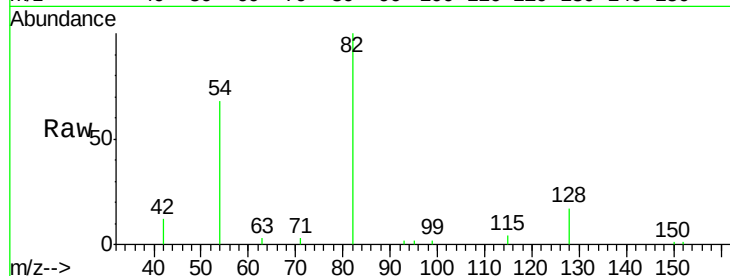
Tgt Ion: 82 Resp: 11136

Ion Ratio Lower Upper

82 100

128 17.4 39.0 58.4#

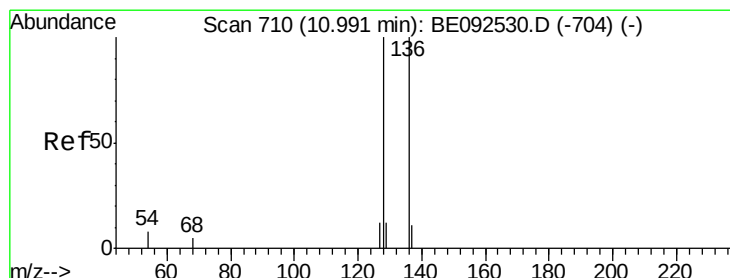
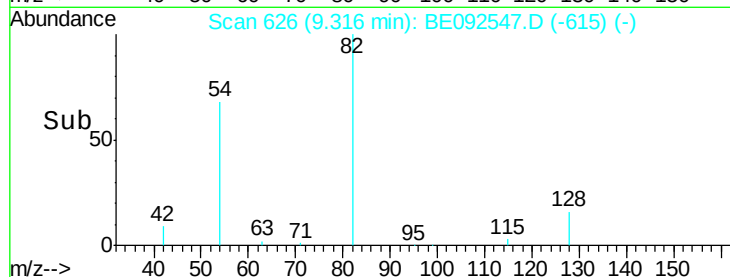
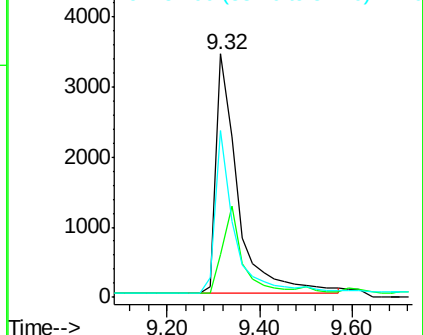
54 68.3 44.8 67.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.23 ng

RT: 11.03 min Scan# 712

Delta R.T. 0.04 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

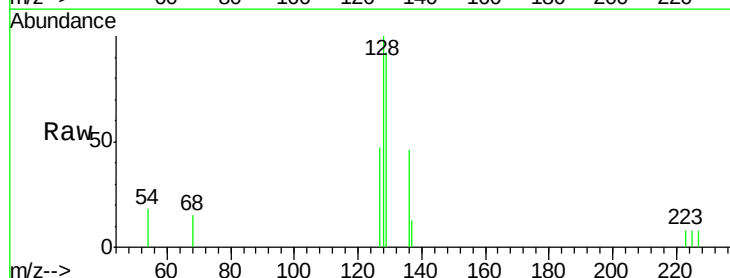
Tgt Ion: 128 Resp: 1814

Ion Ratio Lower Upper

128 100

129 92.4 11.2 16.8#

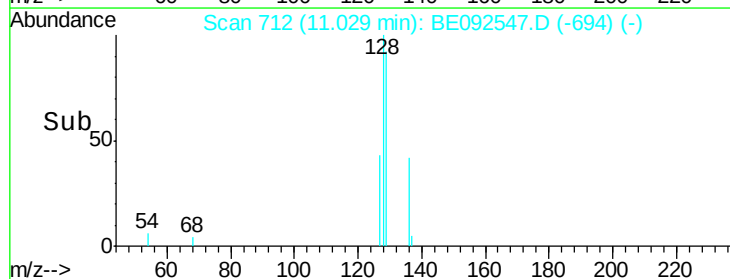
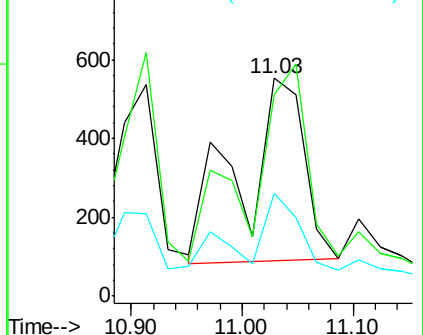
127 47.5 11.6 17.4#

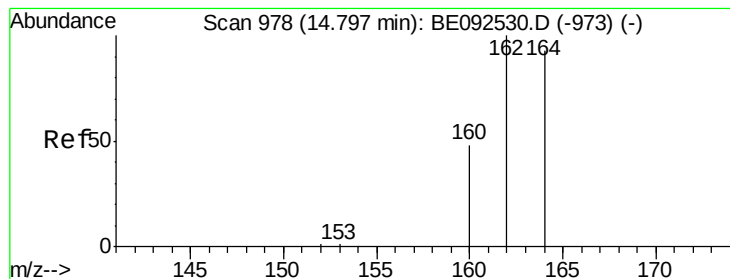


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

Instrument :

BNA_E

ClientSampleId :

C19033041

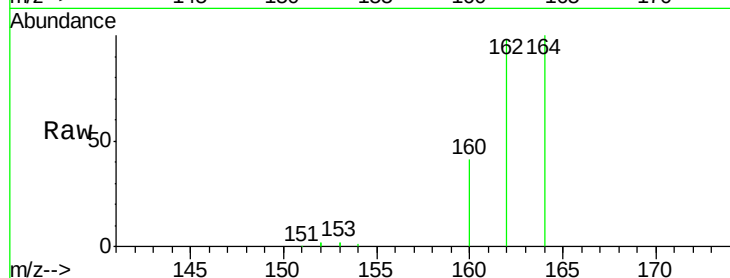
Tgt Ion:164 Resp: 27323

Ion Ratio Lower Upper

164 100

162 98.1 71.4 107.0

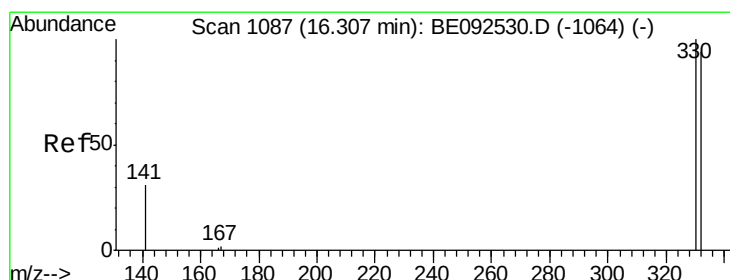
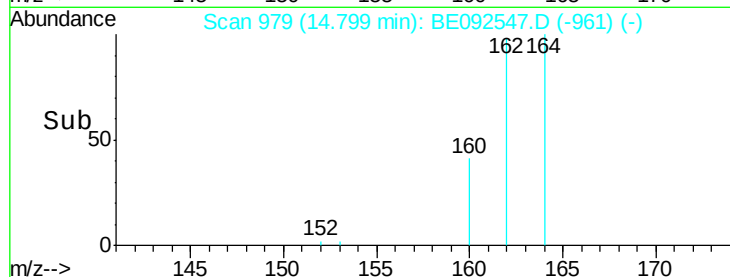
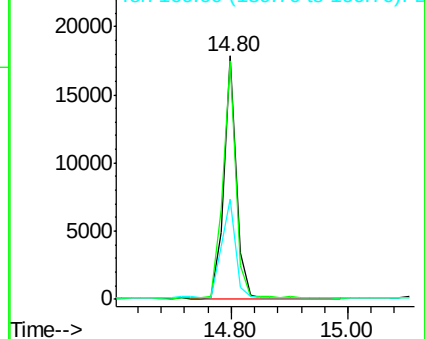
160 41.3 27.4 41.2#



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



#13

2,4,6-Tribromophenol

Concen: 14.11 ng

RT: 16.28 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

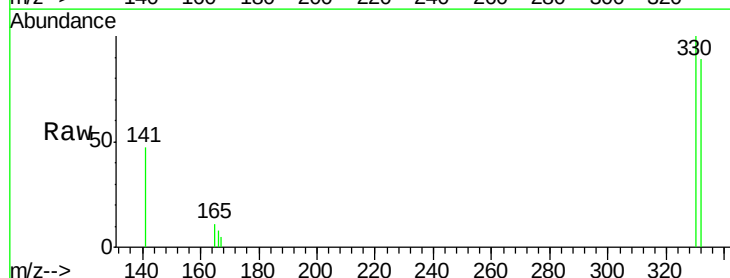
Tgt Ion:330 Resp: 8648

Ion Ratio Lower Upper

330 100

332 97.4 75.4 113.0

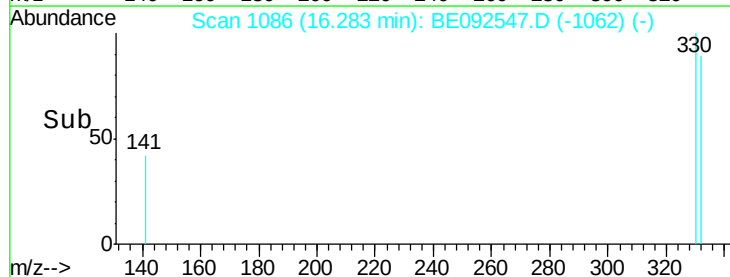
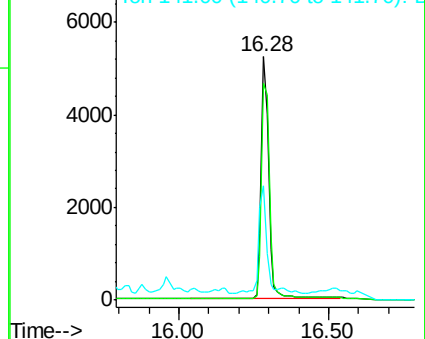
141 48.1 31.0 46.6#

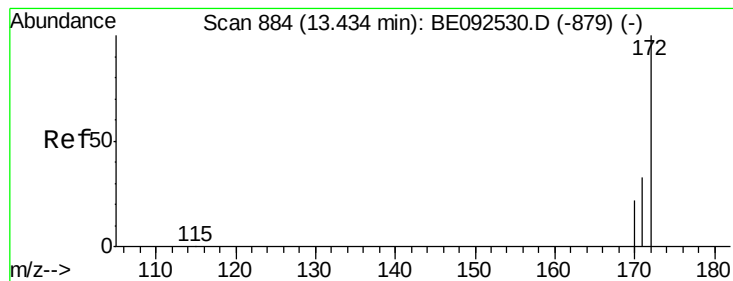


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 4.46 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092547.D

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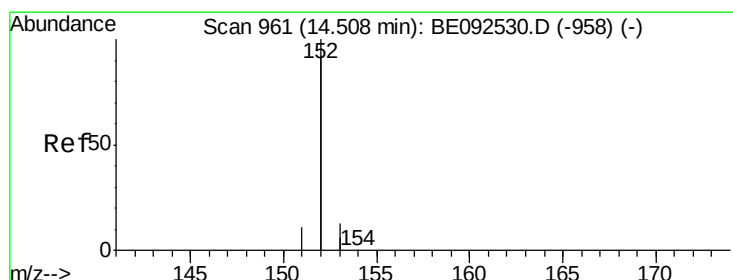
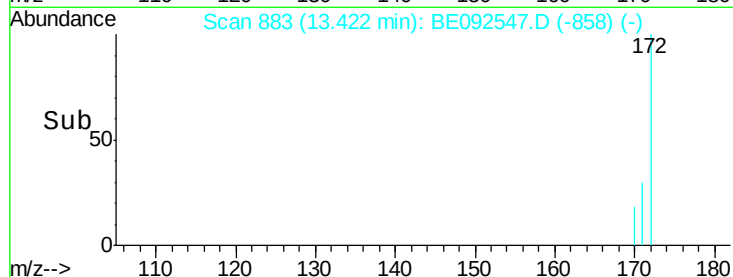
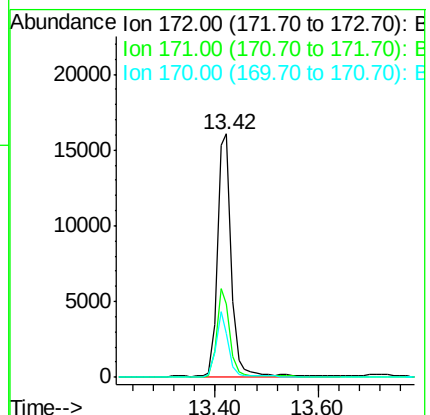
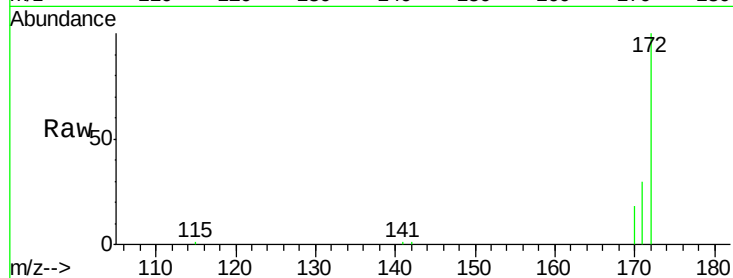
Tgt Ion:172 Resp: 29724

Ion Ratio Lower Upper

172 100

171 30.1 30.1 45.1

170 18.0 21.8 32.6#



#15

Acenaphthylene

Concen: 0.13 ng

RT: 14.51 min Scan# 962

Delta R.T. 0.00 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

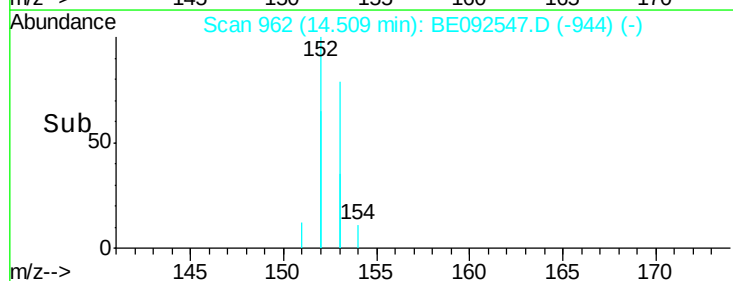
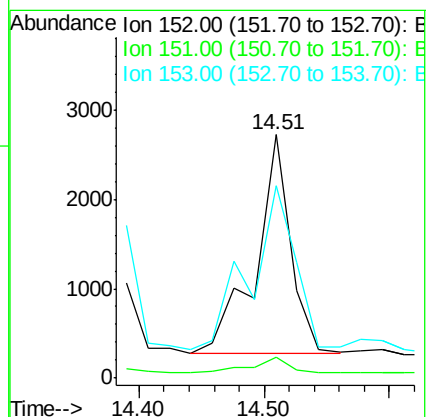
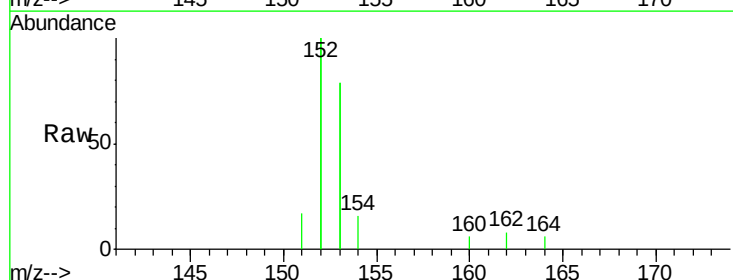
Tgt Ion:152 Resp: 4763

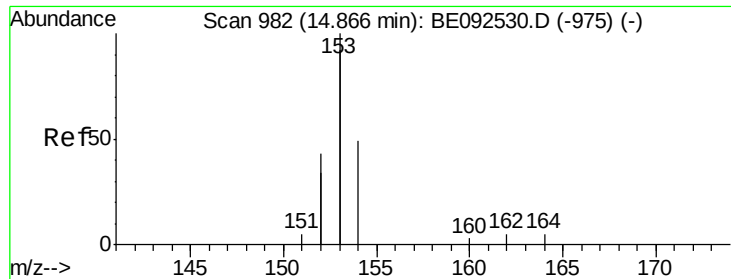
Ion Ratio Lower Upper

152 100

151 7.5 3.9 5.9#

153 103.3 10.4 15.6#





#16

Acenaphthene

Concen: 0.46 ng

RT: 14.85 min Scan# 982

Delta R.T. -0.02 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

Instrument :

BNA_E

ClientSampleId :

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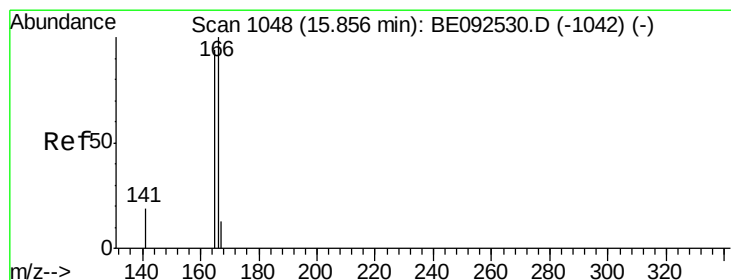
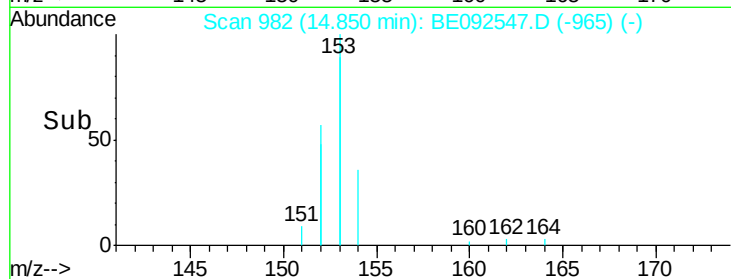
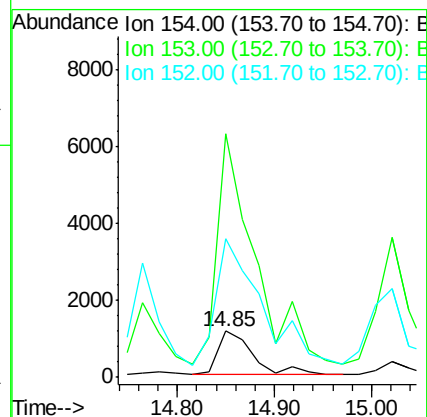
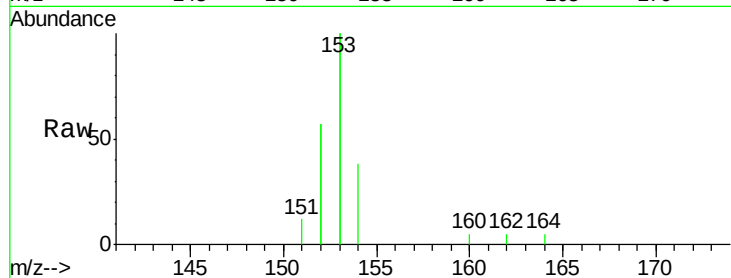
Tgt Ion:154 Resp: 2850

Ion Ratio Lower Upper

154 100

153 564.9 350.8 526.2#

152 377.8 171.1 256.7#



#17

Fluorene

Concen: 0.92 ng

RT: 15.84 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

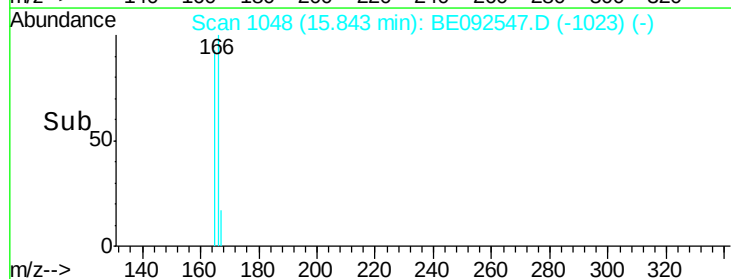
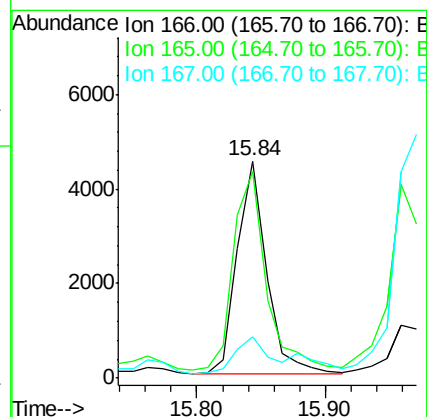
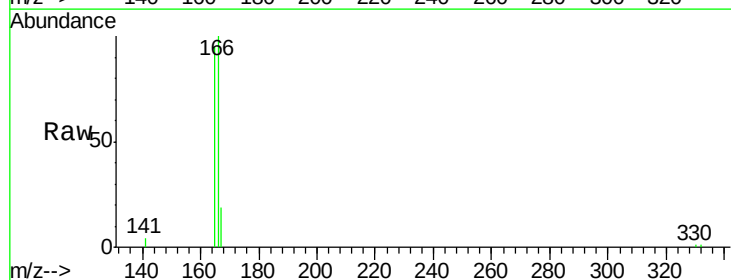
Tgt Ion:166 Resp: 7089

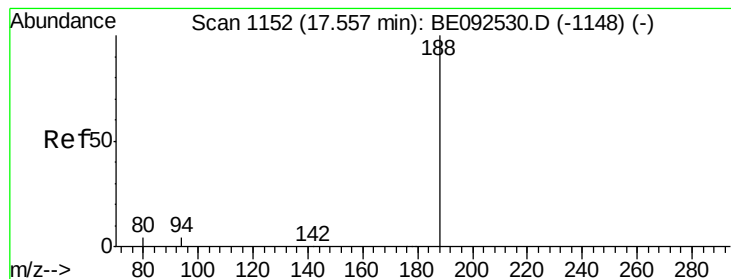
Ion Ratio Lower Upper

166 100

165 105.3 78.2 117.4

167 19.4 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: BE092547.D

Acq: 16 Nov 2016 23:25

Instrument :

BNA_E

ClientSampleId :

C19033041

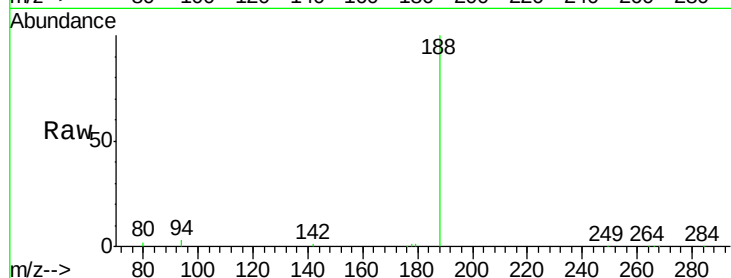
Tgt Ion:188 Resp: 58552

Ion Ratio Lower Upper

188 100

94 3.1 3.2 4.8#

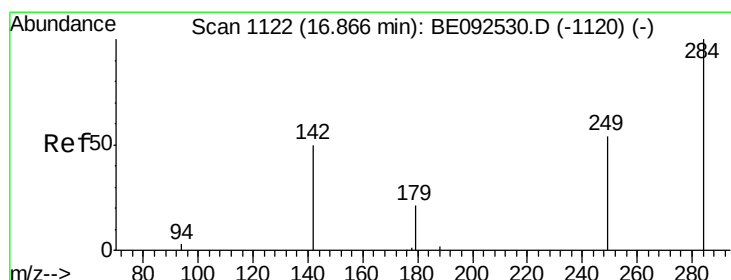
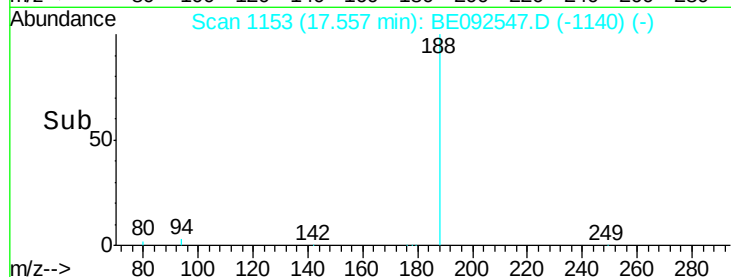
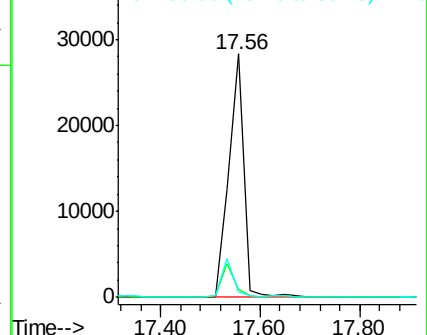
80 2.5 2.6 3.8#



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: 0.05 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

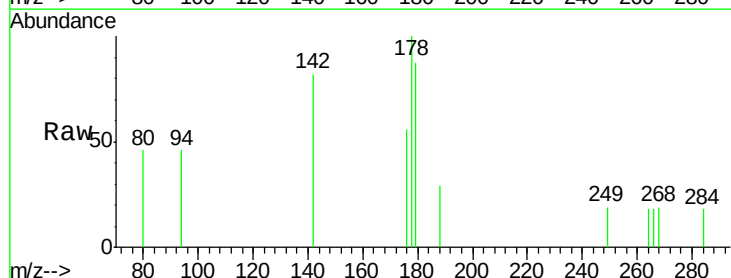
Tgt Ion:284 Resp: 116

Ion Ratio Lower Upper

284 100

142 1069.8 29.1 43.7#

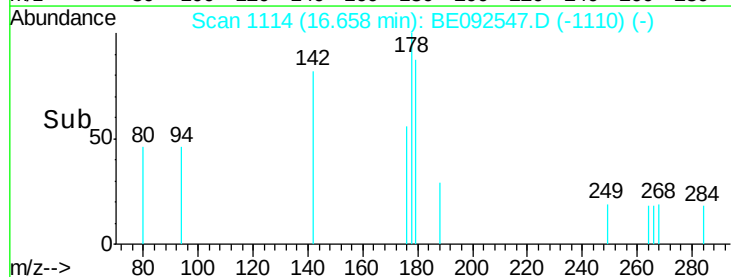
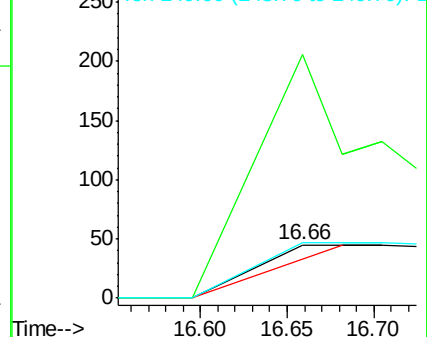
249 0.0 27.9 41.9#

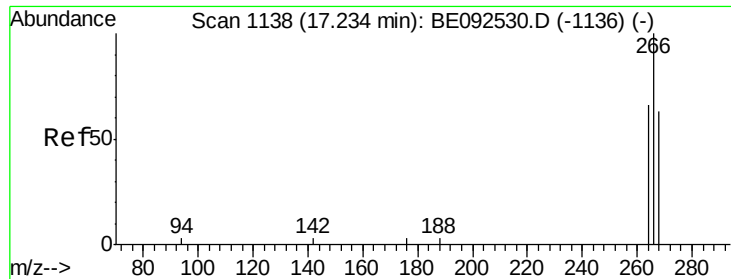


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

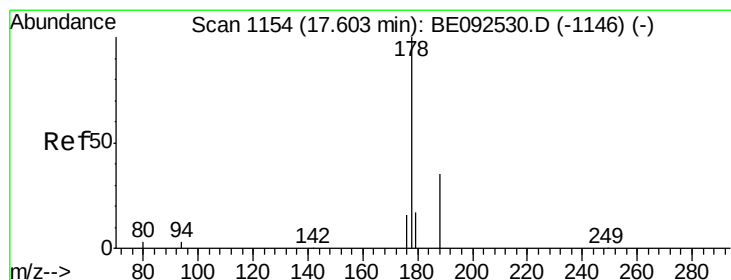
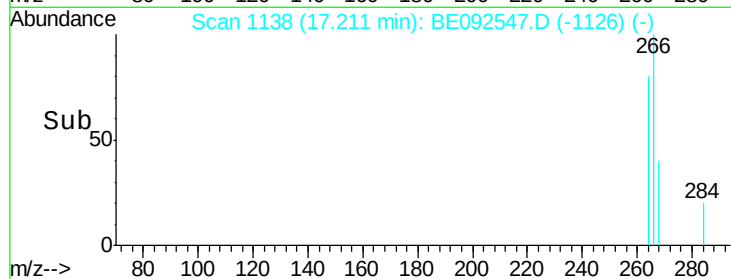
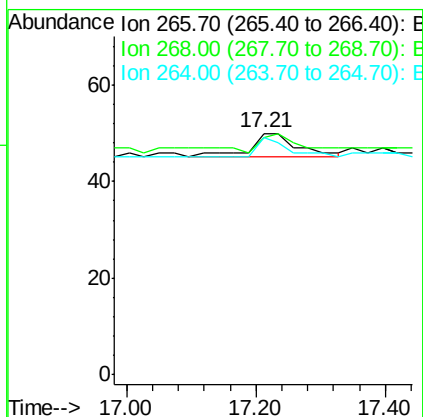
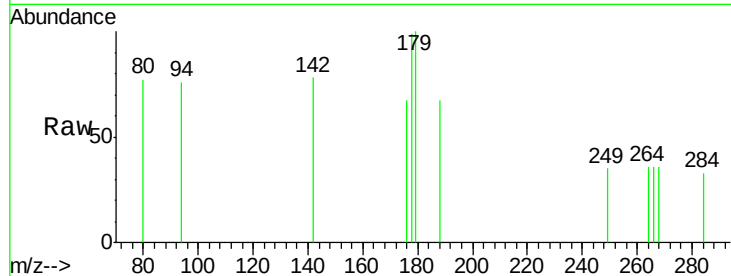




#20
 Pentachlorophenol
 Concen: 0.09 ng
 RT: 17.21 min Scan# 1138
 Delta R.T. -0.02 min
 Lab File: BE092547.D
 Acq: 16 Nov 2016 23:25

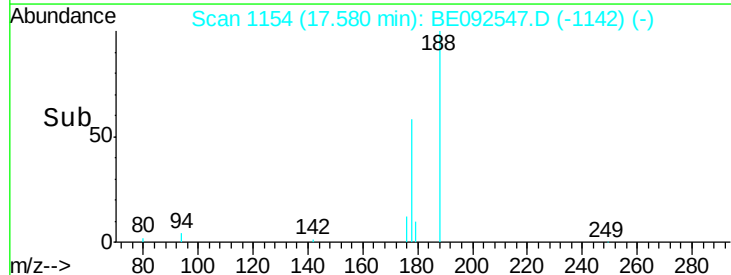
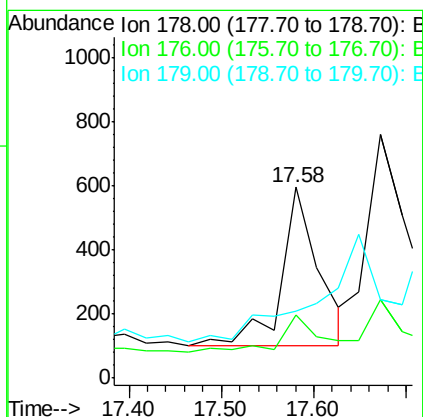
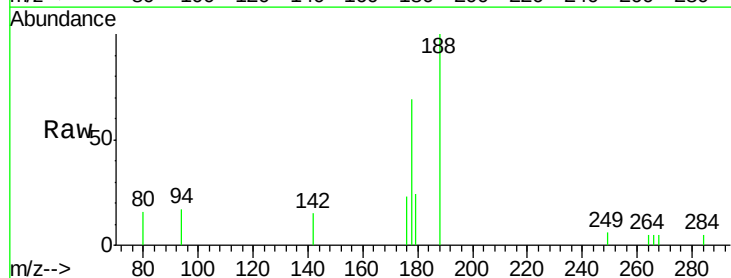
Instrument :
 BNA_E
 ClientSampleId :
 C19033041

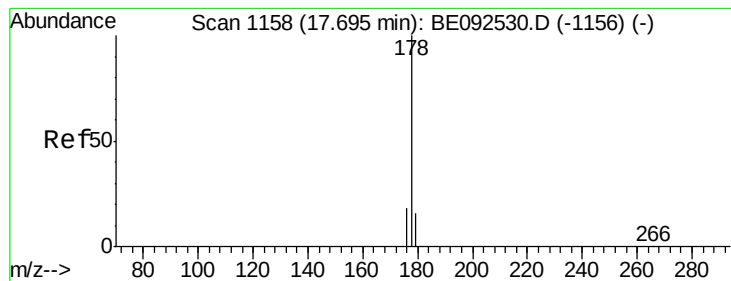
Tgt Ion: 266 Resp: 28
 Ion Ratio Lower Upper
 266 100
 268 98.0 62.5 93.7#
 264 98.0 57.2 85.8#



#21
 Phenanthrene
 Concen: 0.11 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: BE092547.D
 Acq: 16 Nov 2016 23:25

Tgt Ion: 178 Resp: 1415
 Ion Ratio Lower Upper
 178 100
 176 29.1 15.8 23.8#
 179 0.0 16.0 24.0#





#22

Anthracene

Concen: 0.12 ng

RT: 17.67 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

Instrument :

BNA_E

ClientSampleId :

C19033041

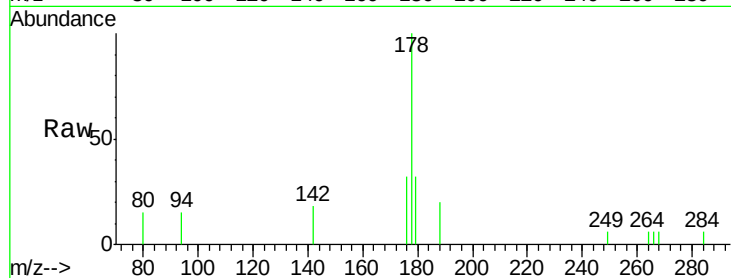
Tgt Ion:178 Resp: 1424

Ion Ratio Lower Upper

178 100

176 22.8 15.0 22.4#

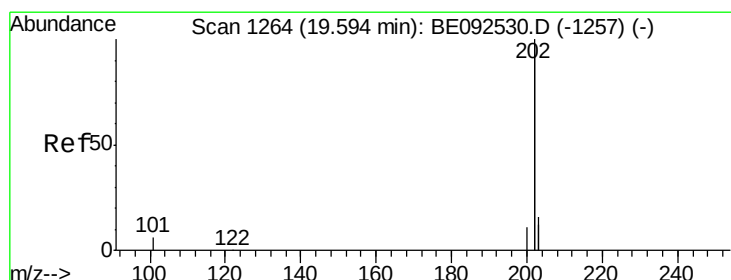
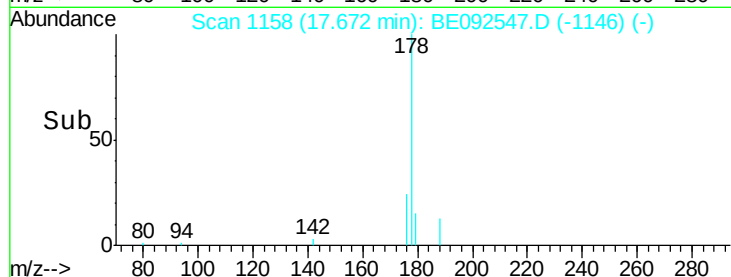
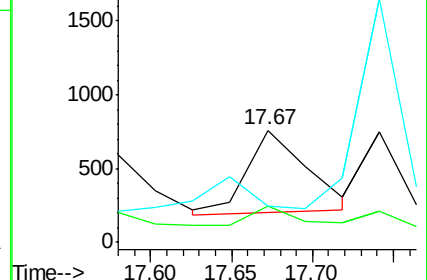
179 0.0 12.2 18.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#23

Fluoranthene

Concen: 0.02 ng

RT: 19.59 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

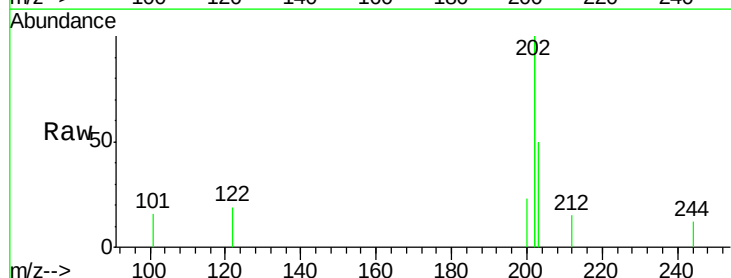
Tgt Ion:202 Resp: 1272

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

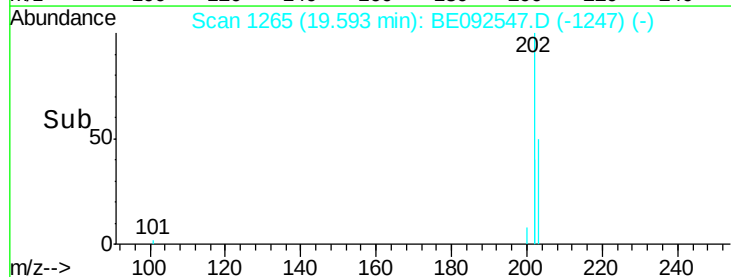
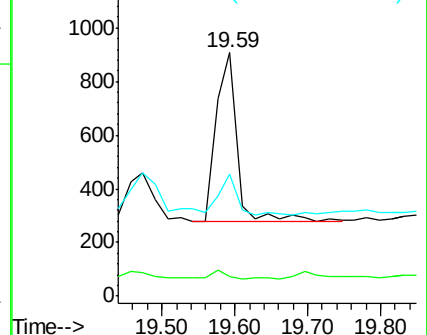
203 20.3 13.7 20.5

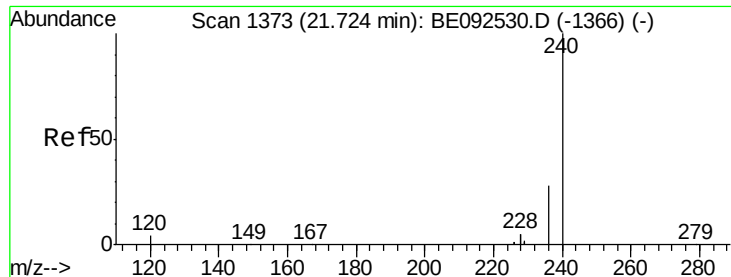


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

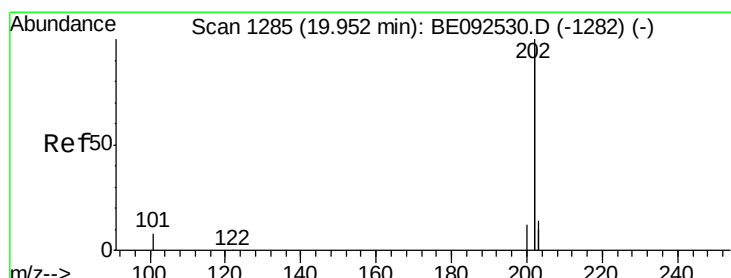
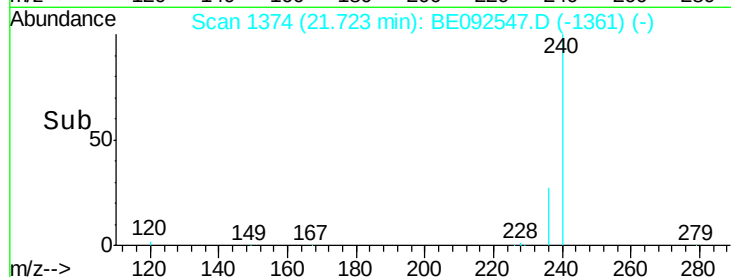
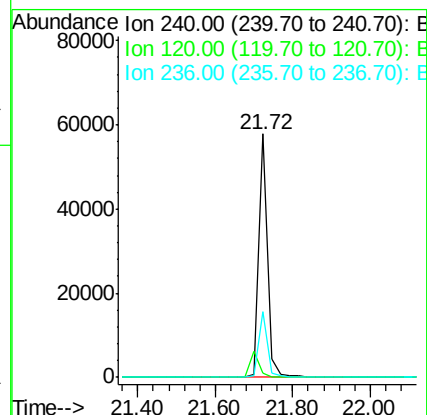
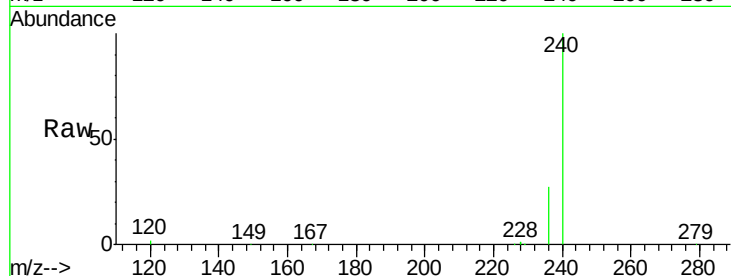




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092547.D
Acq: 16 Nov 2016 23:25

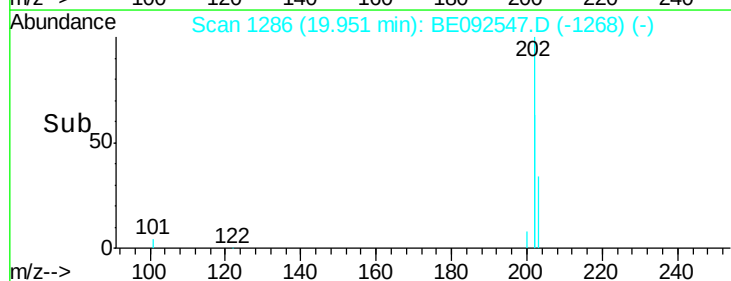
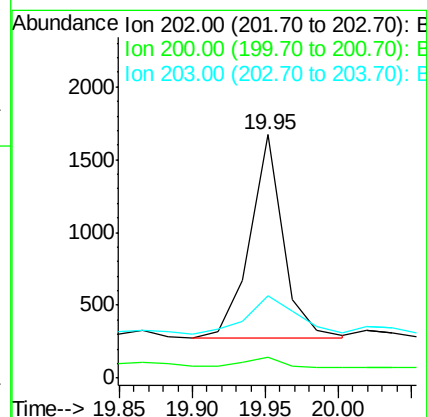
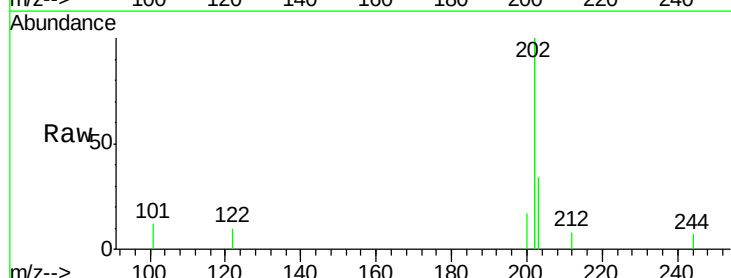
Instrument :
BNA_E
ClientSampleId :
C19033041

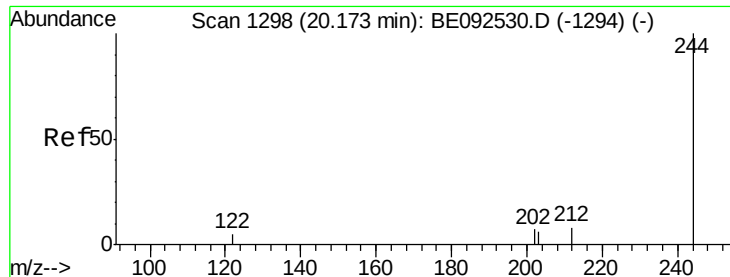
Tgt Ion: 240 Resp: 88166
Ion Ratio Lower Upper
240 100
120 2.0 2.6 4.0#
236 27.2 24.6 37.0



#25
Pyrene
Concen: 0.03 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092547.D
Acq: 16 Nov 2016 23:25

Tgt Ion: 202 Resp: 2216
Ion Ratio Lower Upper
202 100
200 6.1 4.2 6.4
203 27.1 13.9 20.9#





#26

Terphenyl-d14

Concen: 5.41 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

Instrument :

BNA_E

ClientSampled :

C19033041

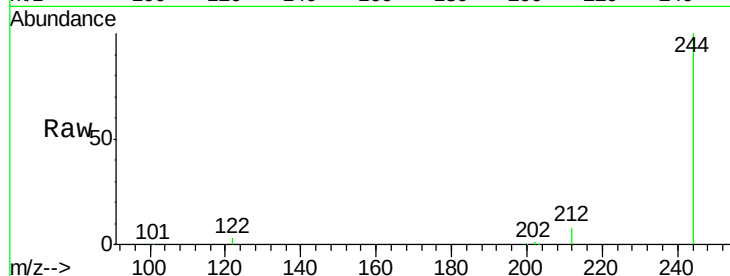
Tgt Ion:244 Resp: 54553

Ion Ratio Lower Upper

244 100

212 7.9 6.7 10.1

122 3.4 3.6 5.4#

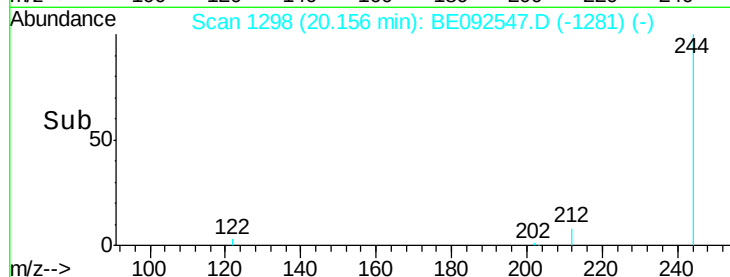


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



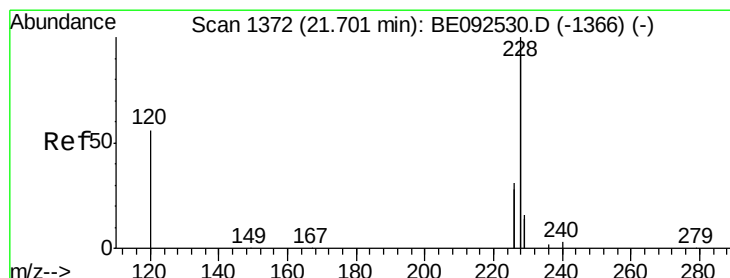
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#27

Benzo(a)anthracene

Concen: 0.12 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.02 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

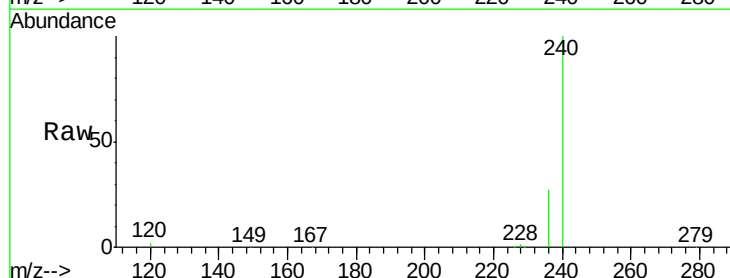
Tgt Ion:228 Resp: 1972

Ion Ratio Lower Upper

228 100

226 37.1 23.6 35.4#

229 57.3 13.3 19.9#

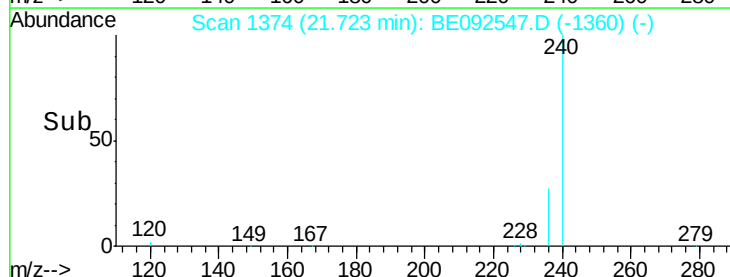


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



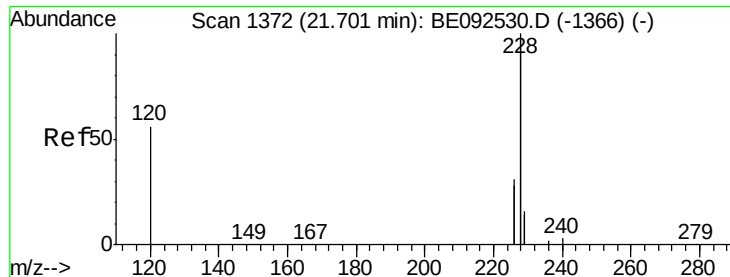
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



#28

Chrysene

Concen: 0.03 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.05 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

Instrument :

BNA_E

ClientSampleId :

C19033041

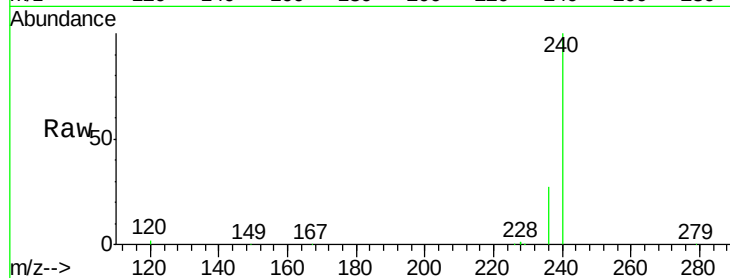
Tgt Ion:228 Resp: 2046

Ion Ratio Lower Upper

228 100

226 37.1 36.3 54.5

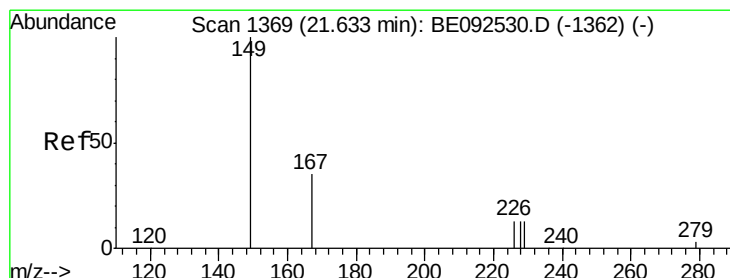
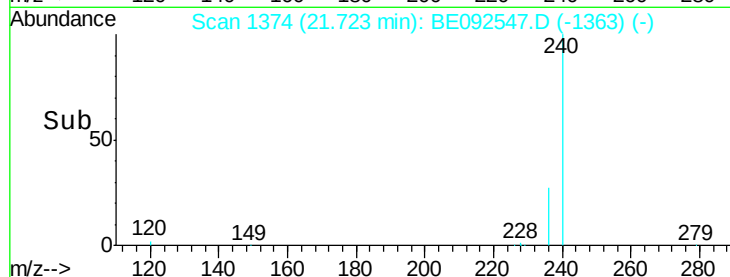
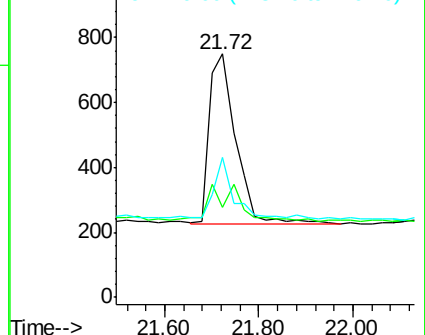
229 57.3 10.6 16.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.47 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

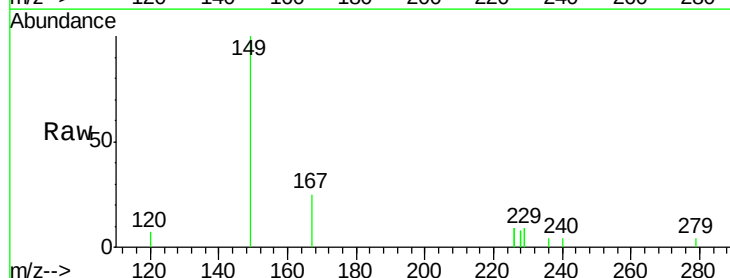
Tgt Ion:149 Resp: 2062

Ion Ratio Lower Upper

149 100

167 26.3 16.0 24.0#

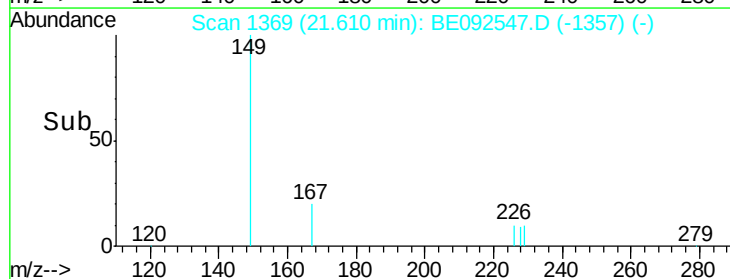
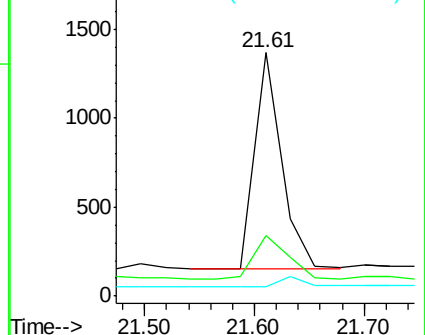
279 0.0 16.0 24.0#

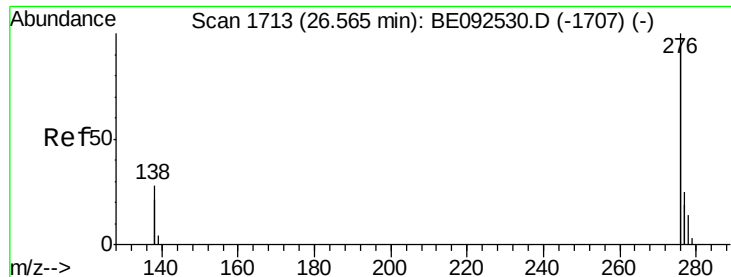


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.06 ng

RT: 26.58 min Scan# 1715

Delta R.T. 0.02 min

Lab File: BE092547.D

Acq: 16 Nov 2016 23:25

Instrument :

BNA_E

ClientSampleId :

C19033041

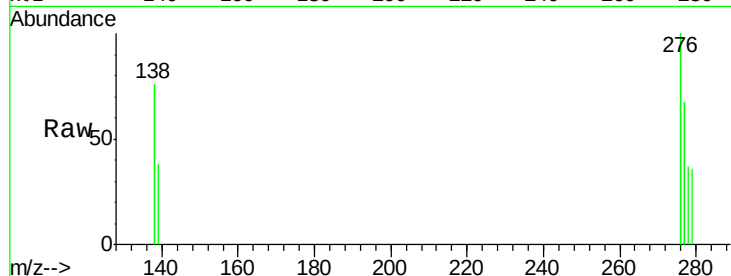
Tgt Ion: 276 Resp: 875

Ion Ratio Lower Upper

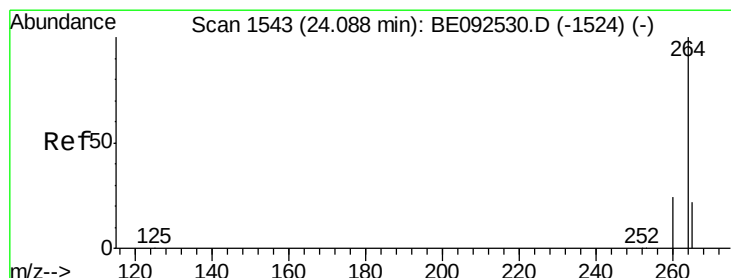
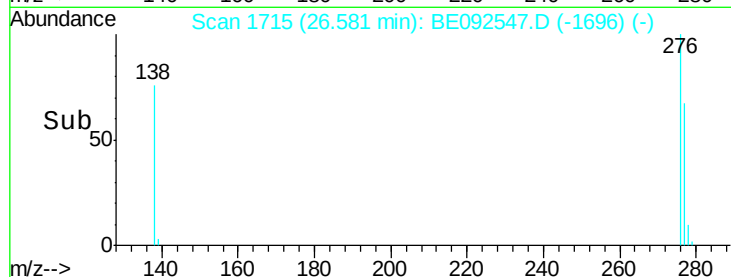
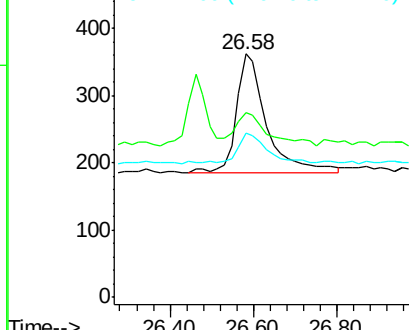
276 100

138 28.2 20.3 30.5

277 24.1 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: BE092547.D

Acq: 16 Nov 2016 23:25

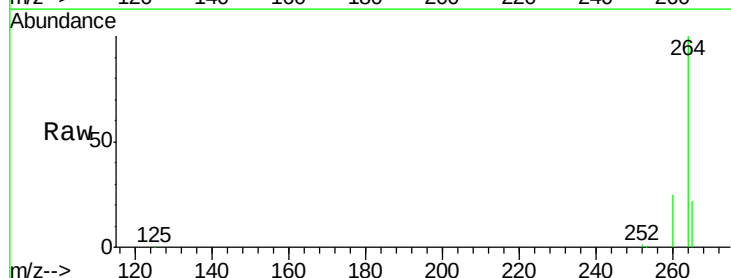
Tgt Ion: 264 Resp: 75990

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

265 22.1 17.9 26.9



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

