

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 05:04:52 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

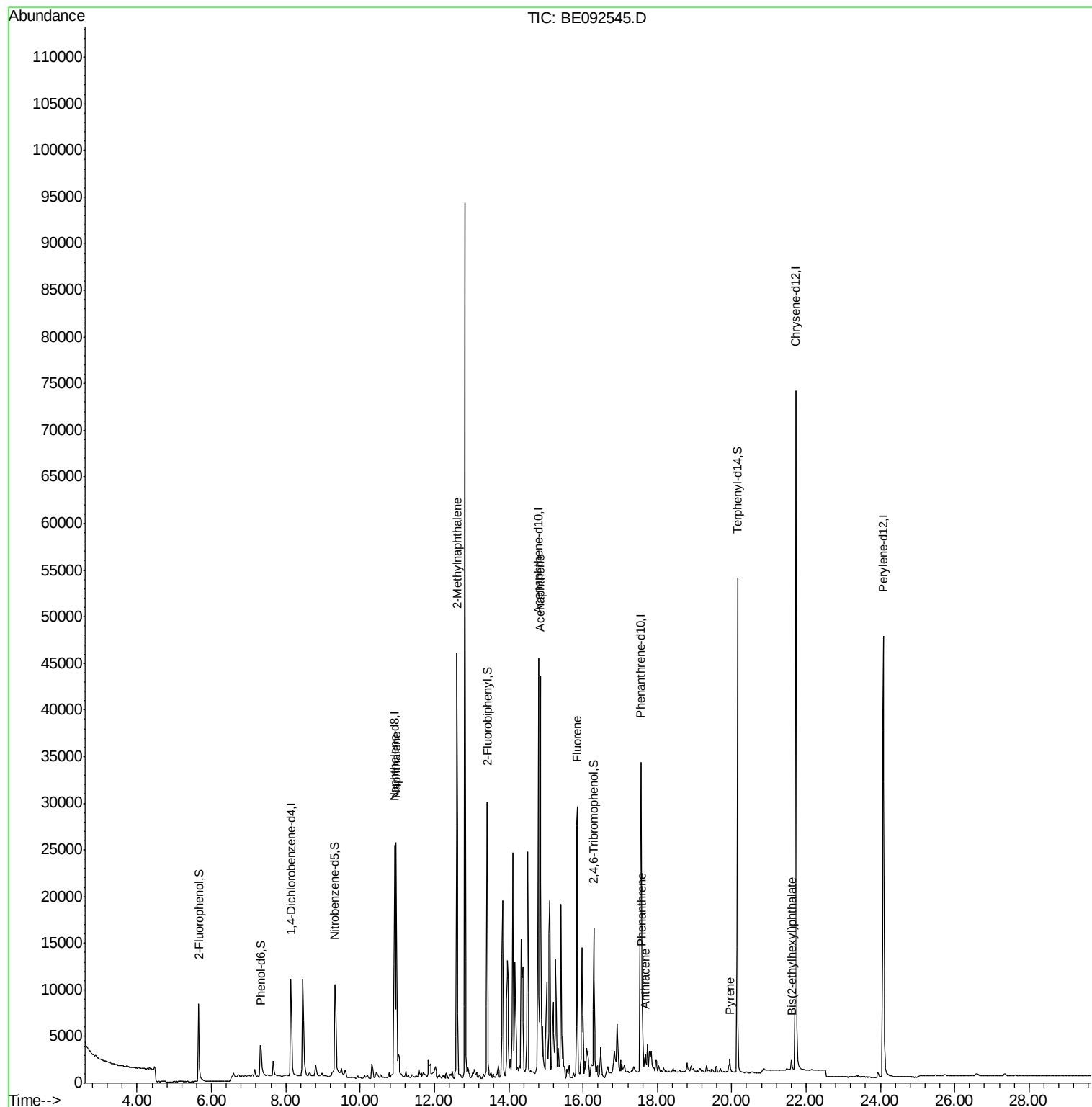
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7517	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	38153	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	27590	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	58240	5.00	ng	0.00
24) Chrysene-d12	21.72	240	85019	5.00	ng	0.00
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
9) Naphthalene	10.97	128	42304	5.37	ng	98
11) 2-Methylnaphthalene	12.60	142	35706	7.11	ng	94
16) Acenaphthene	14.85	154	9445	1.51	ng	# 68
17) Fluorene	15.85	166	22756	2.93	ng	# 96
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
29) Bis(2-ethylhexyl)phthalate	21.61	149	1471	0.38	ng	# 22

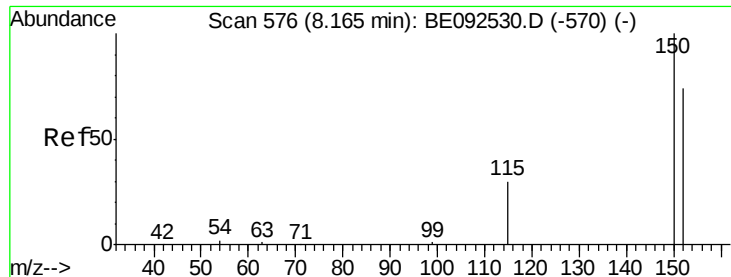
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

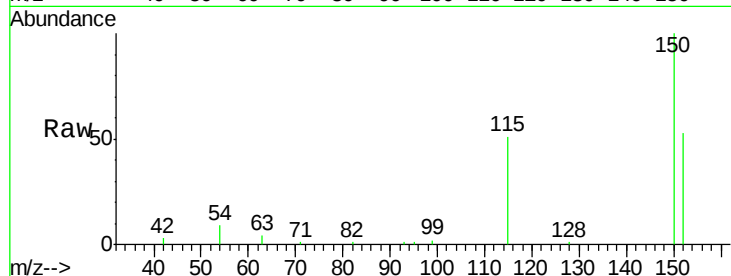
Tot Ion:152 Resp: 7517

Ion Ratio Lower Upper

152 100

150 187.8 106.0 159.0#

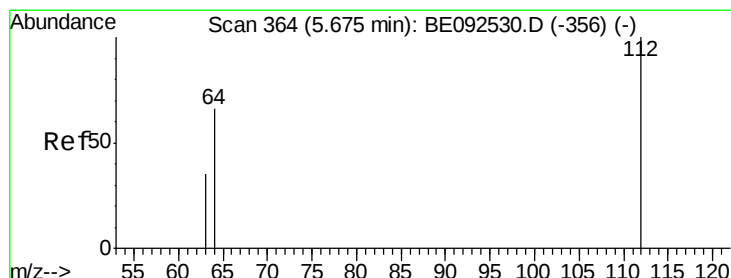
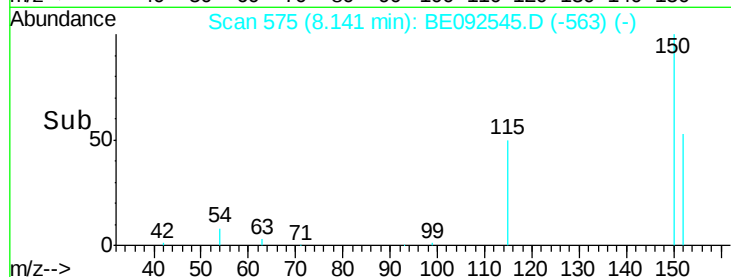
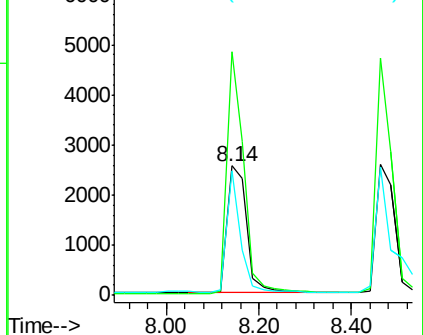
115 95.6 31.2 46.8#



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



#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

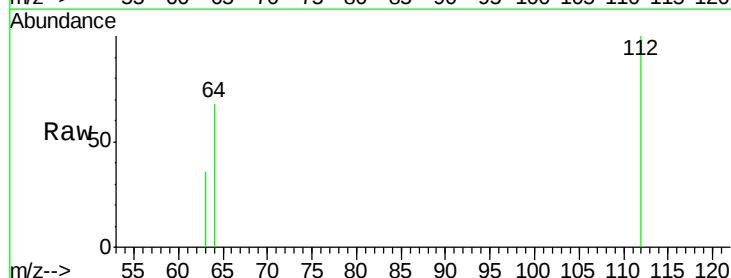
Tgt Ion:112 Resp: 8244

Ion Ratio Lower Upper

112 100

64 67.7 53.5 80.3

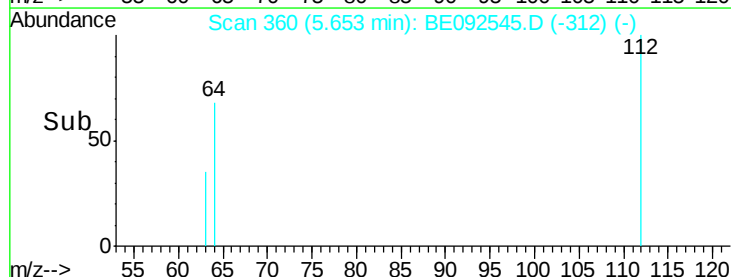
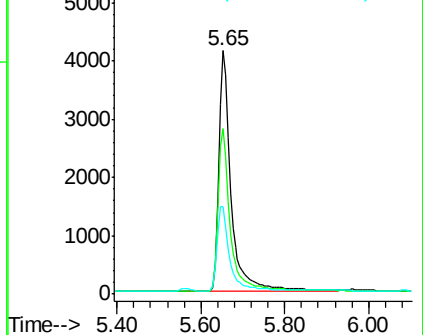
63 36.3 27.9 41.9

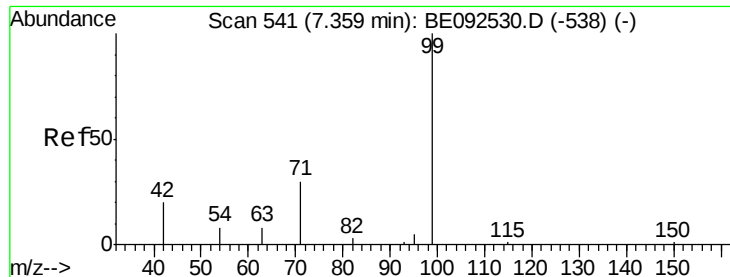


Abundance Ion 112.00 (111.70 to 112.70): E

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

ClientSampleId :

C19013041

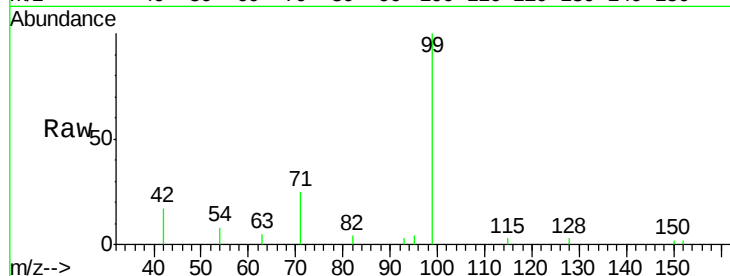
Tot Ion: 99 Resp: 6542

Ion Ratio Lower Upper

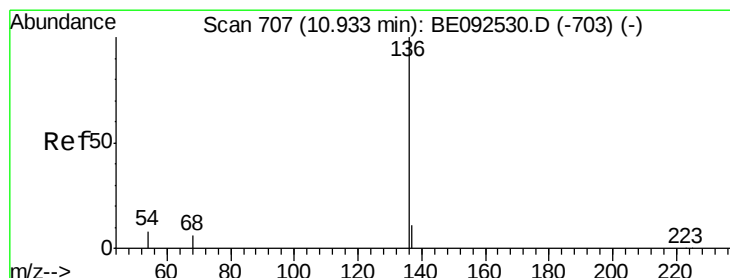
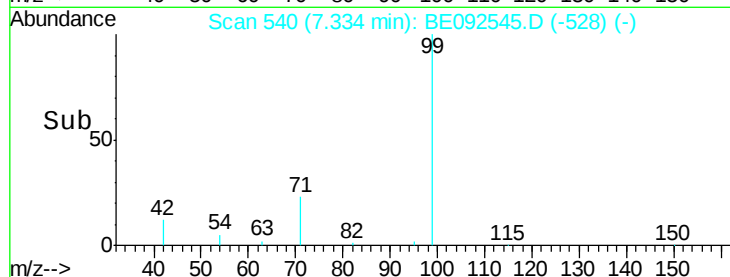
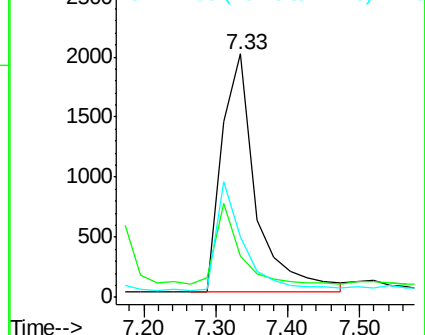
99 100

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



#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

Tgt Ion: 136 Resp: 38153

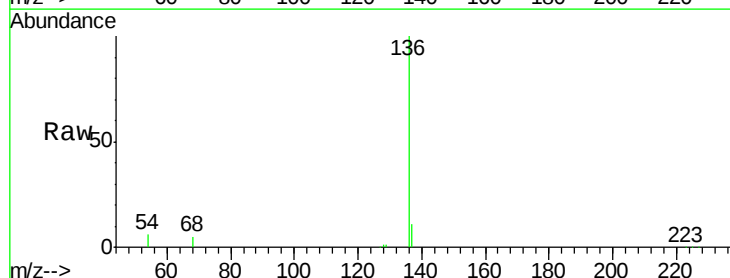
Ion Ratio Lower Upper

136 100

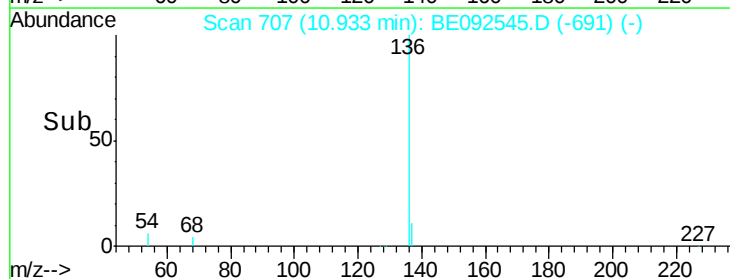
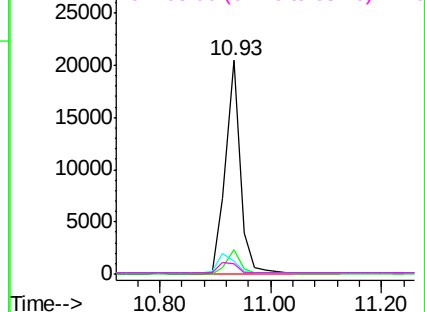
137 11.4 8.2 12.4

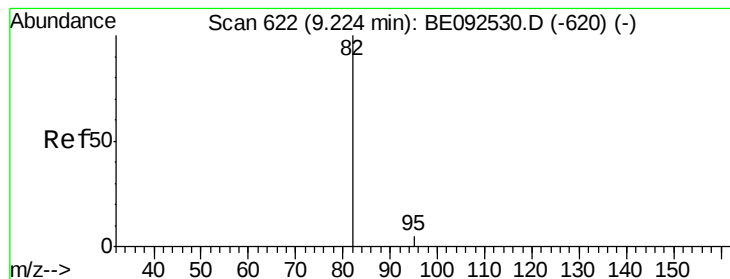
54 6.1 9.6 14.4#

68 4.8 6.7 10.1#



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: 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

Instrument :

BNA_E

ClientSampleId :

C19013041

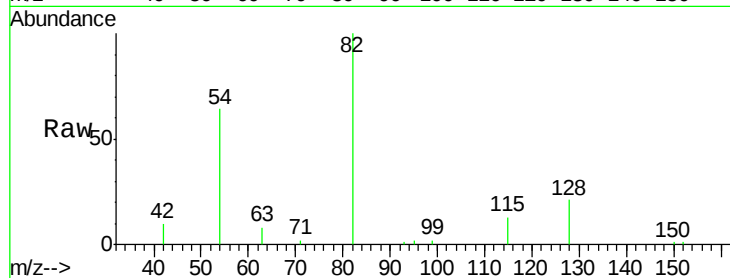
Tot Ion: 82 Resp: 12585

Ion Ratio Lower Upper

82 100

128 21.0 39.0 58.4#

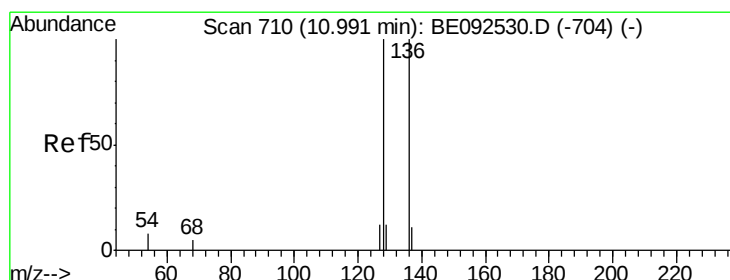
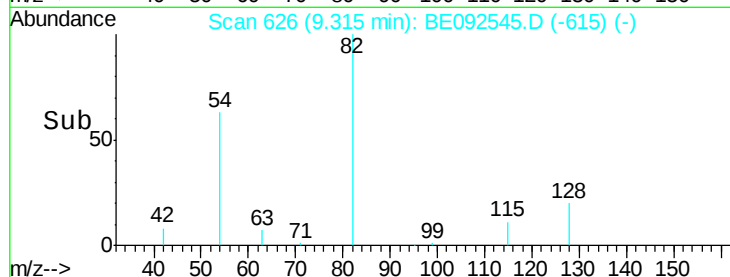
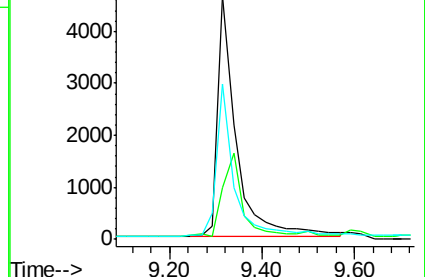
54 63.7 44.8 67.2



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: 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

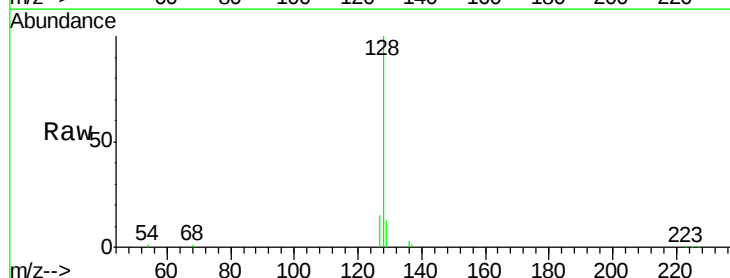
Tgt Ion: 128 Resp: 42304

Ion Ratio Lower Upper

128 100

129 12.7 11.2 16.8

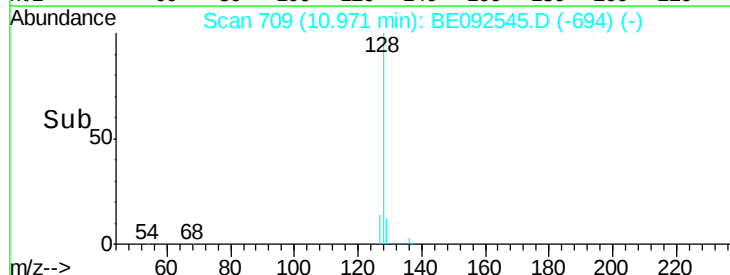
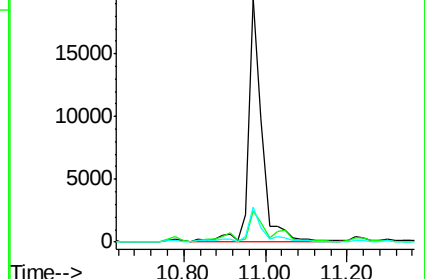
127 14.6 11.6 17.4

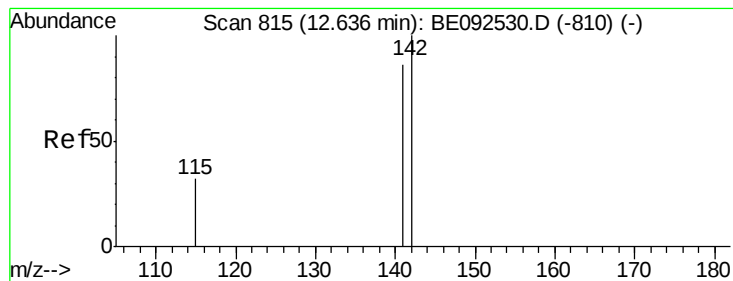


Abundance Ion 128.00 (127.70 to 128.70): E

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

Instrument :

BNA_E

ClientSampleId :

C19013041

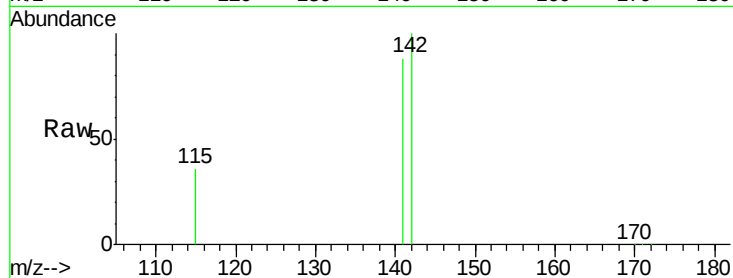
Tot Ion:142 Resp: 35706

Ion Ratio Lower Upper

142 100

141 88.3 73.7 110.5

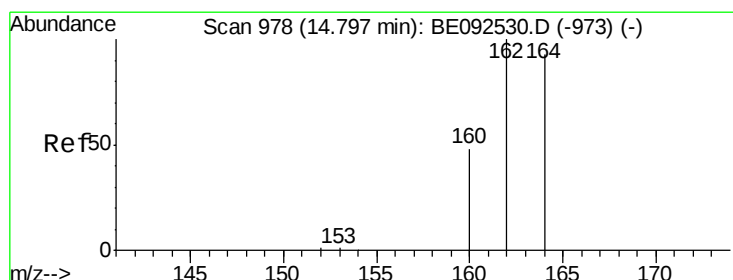
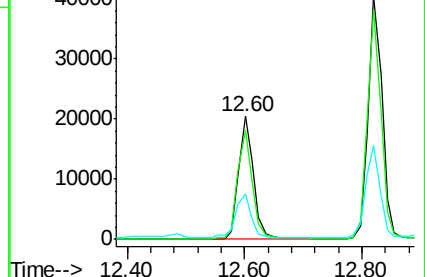
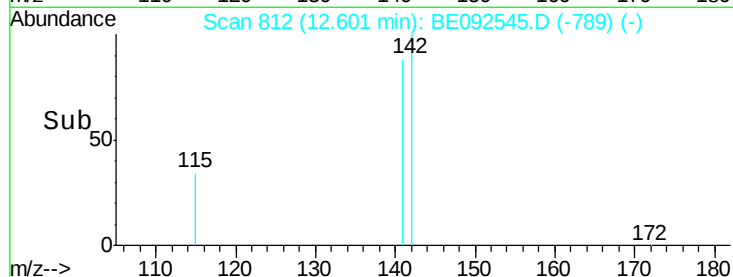
115 36.3 34.0 51.0



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

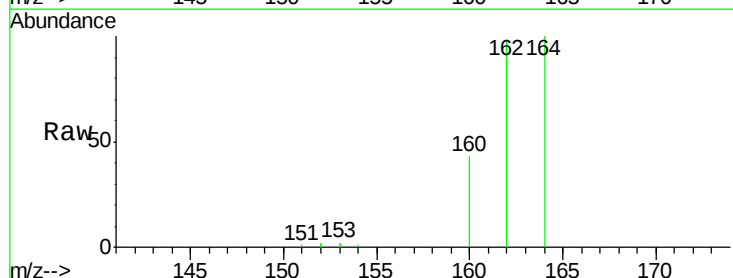
Tgt Ion:164 Resp: 27590

Ion Ratio Lower Upper

164 100

162 98.1 71.4 107.0

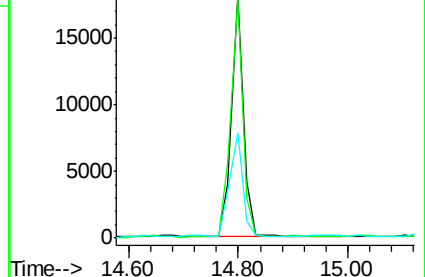
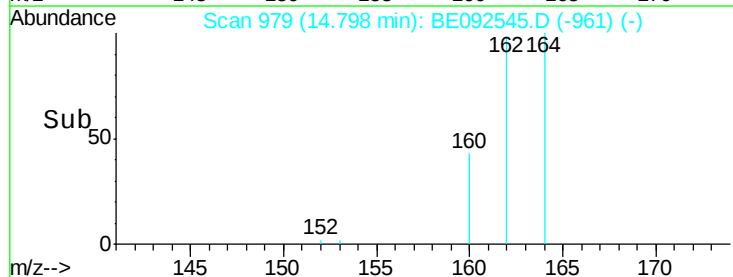
160 43.0 27.4 41.2#

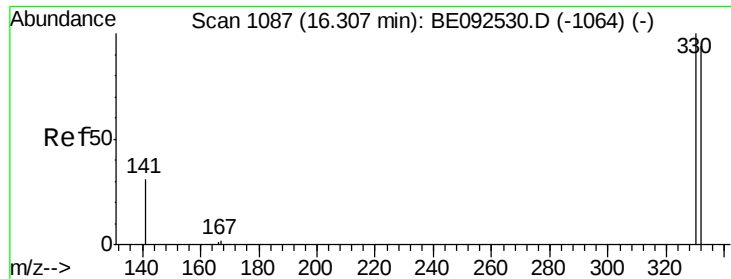


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

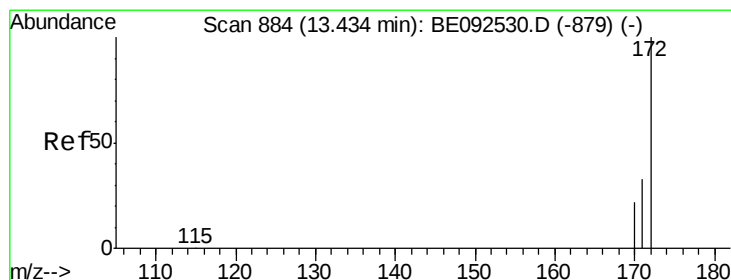
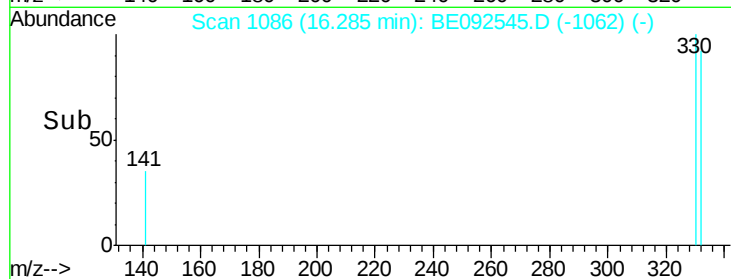
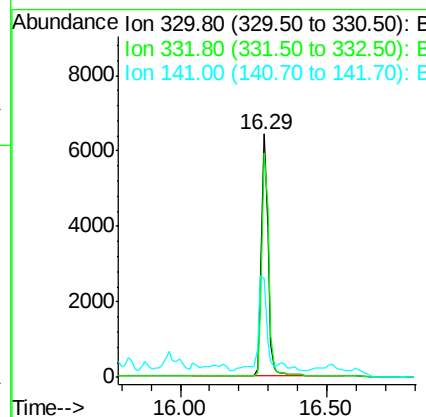
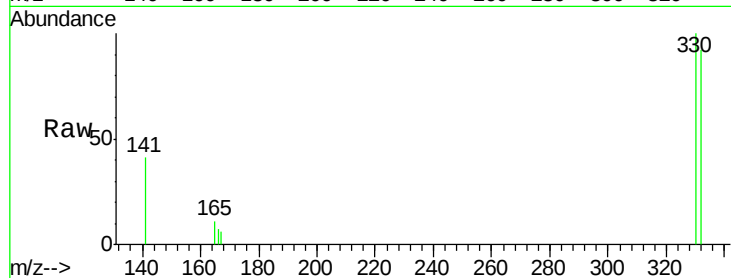




#13
 2,4,6-Tribromophenol
 Concen: 16.22 ng
 RT: 16.29 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BE092545.D
 Acq: 16 Nov 2016 22:11

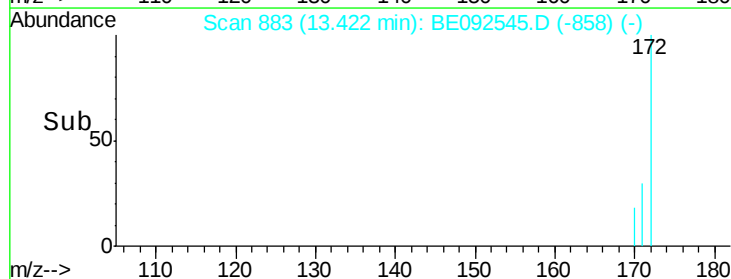
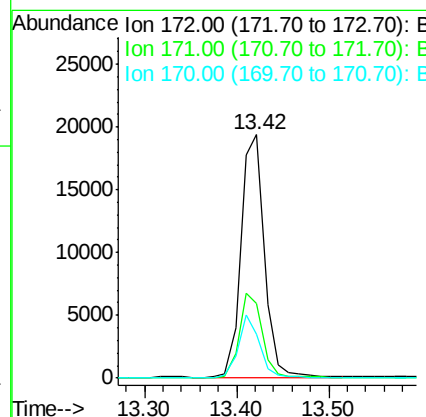
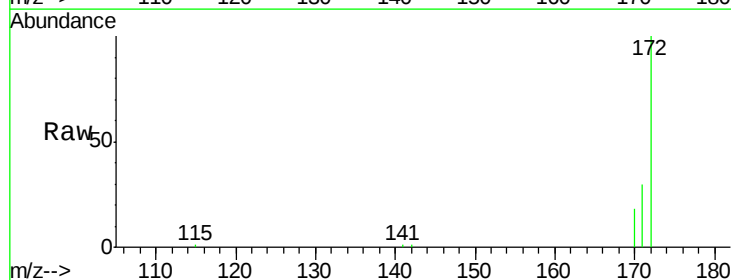
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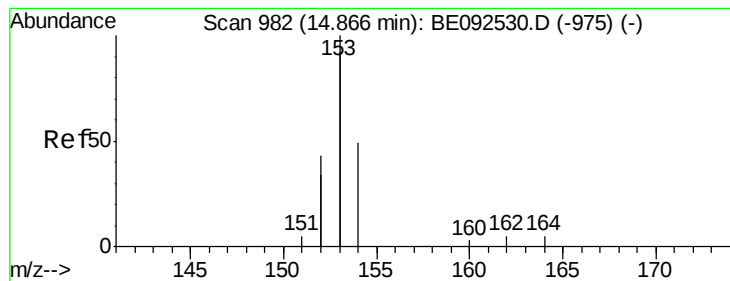
Tot Ion:330 Resp: 10038
 Ion Ratio Lower Upper
 330 100
 332 96.7 75.4 113.0
 141 50.2 31.0 46.6#



#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

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#





#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

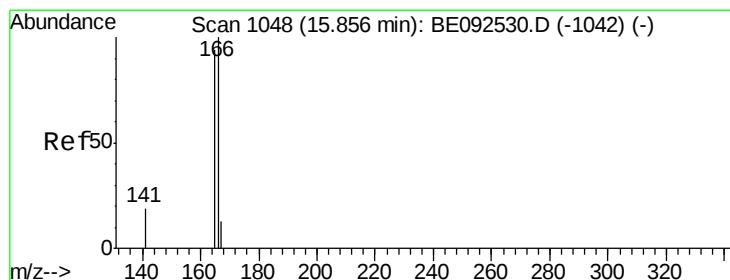
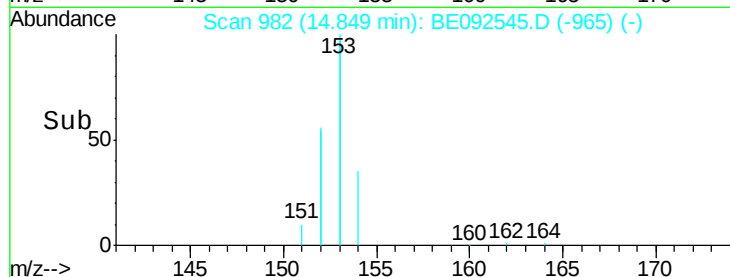
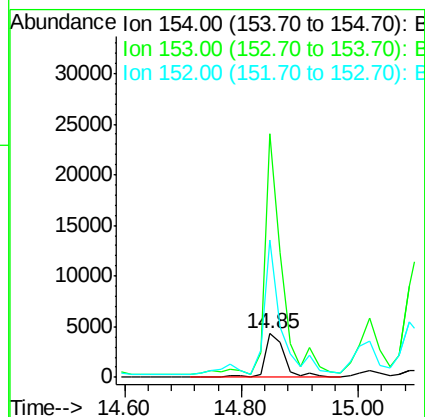
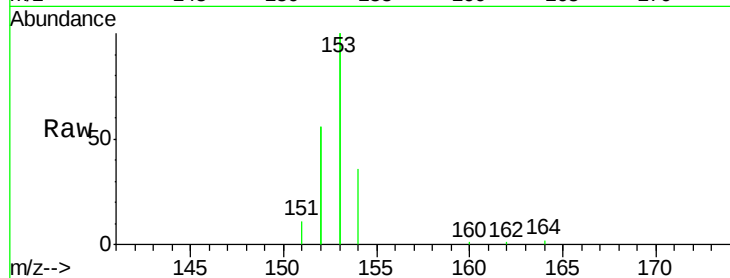
Tot Ion:154 Resp: 9445

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

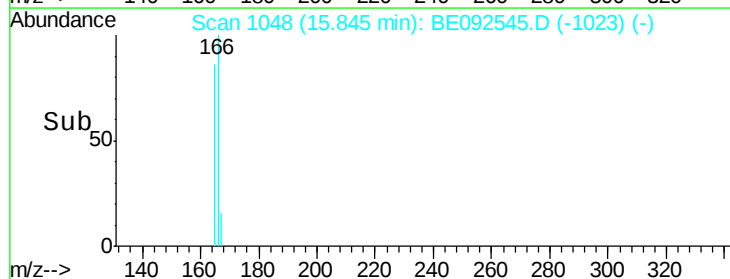
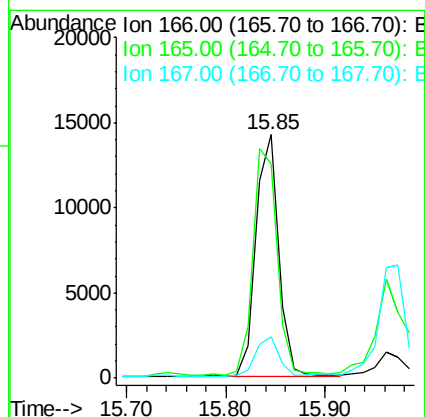
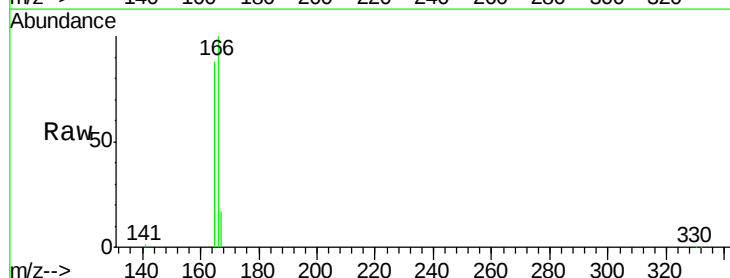
Tgt Ion:166 Resp: 22756

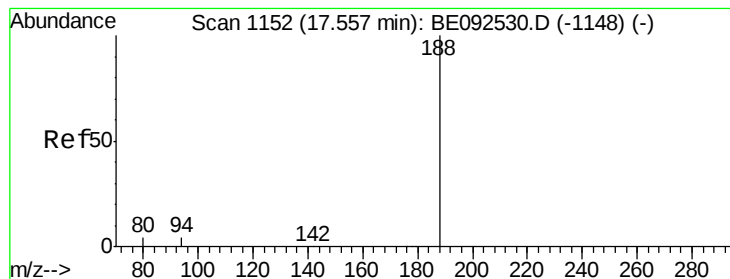
Ion Ratio Lower Upper

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

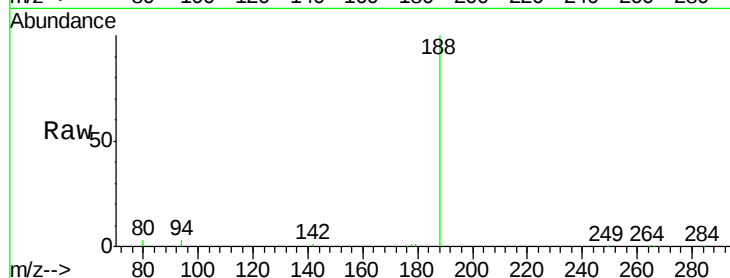
Tot Ion:188 Resp: 58240

Ion Ratio Lower Upper

188 100

94 3.5 3.2 4.8

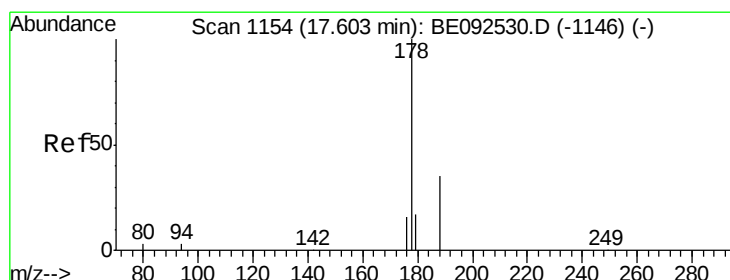
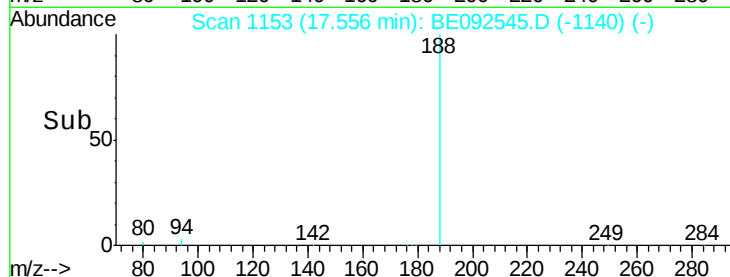
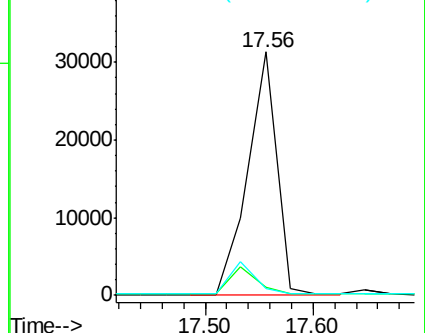
80 2.8 2.6 3.8



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



#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

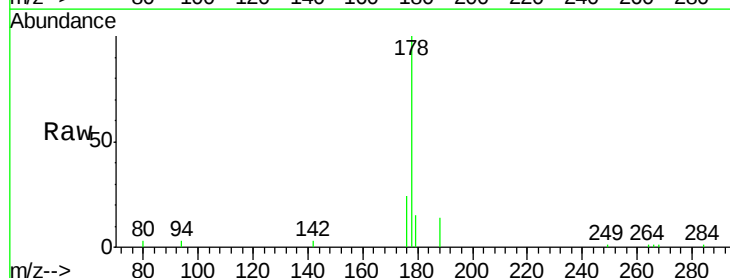
Tgt Ion:178 Resp: 12331

Ion Ratio Lower Upper

178 100

176 20.9 15.8 23.8

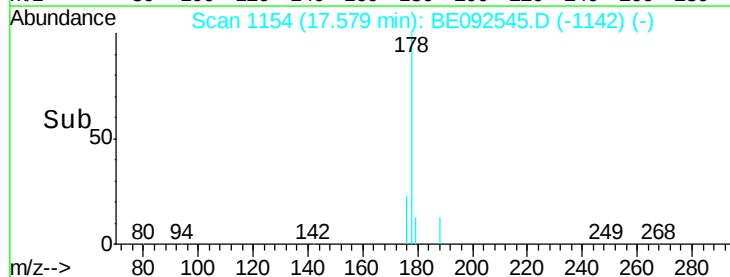
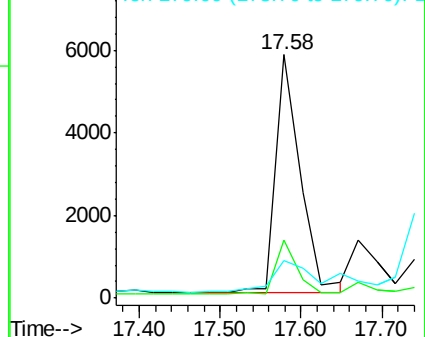
179 30.8 16.0 24.0#

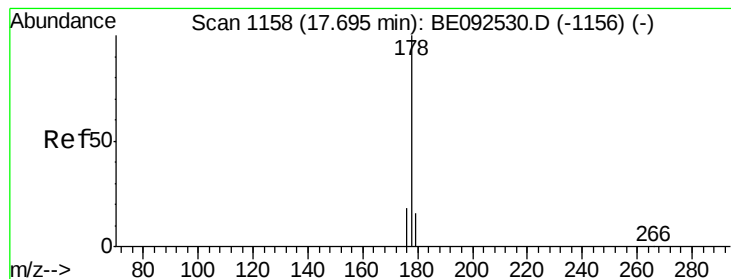


Abundance Ion 178.00 (177.70 to 178.70): E

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

ClientSampled :

C19013041

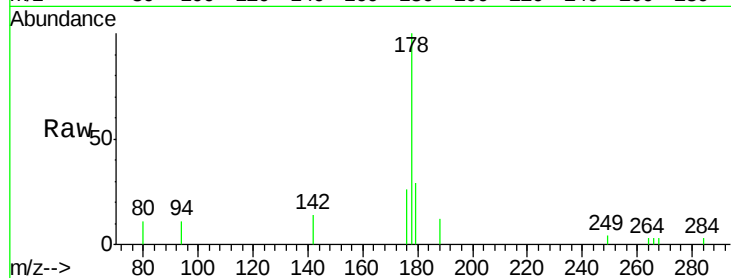
Tot Ion:178 Resp: 2273

Ion Ratio Lower Upper

178 100

176 23.7 15.0 22.4#

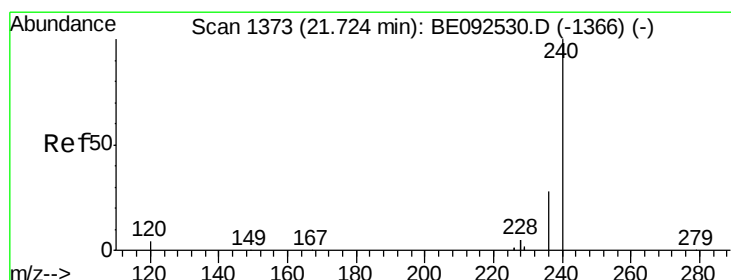
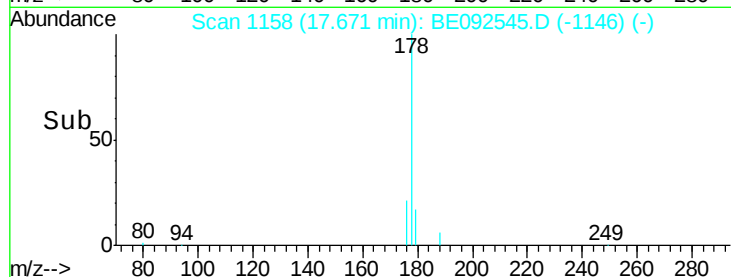
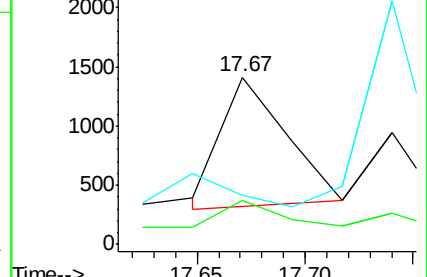
179 0.0 12.2 18.2#



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

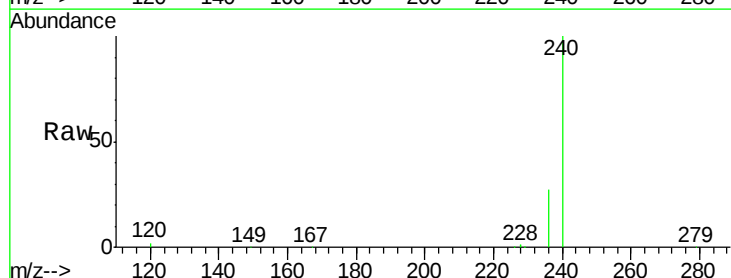
Tgt Ion:240 Resp: 85019

Ion Ratio Lower Upper

240 100

120 1.7 2.6 4.0#

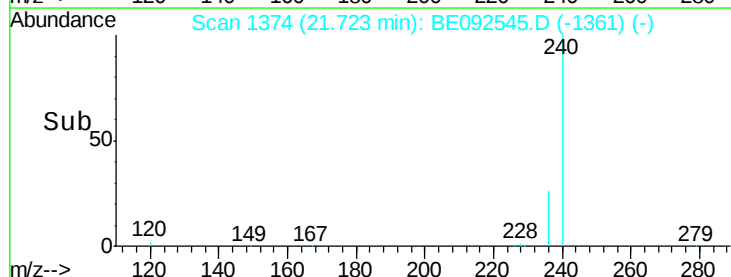
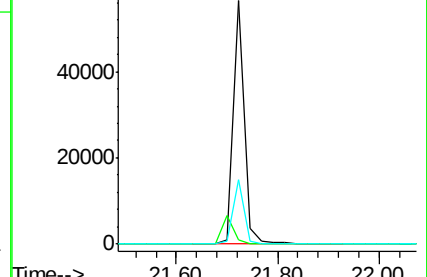
236 26.6 24.6 37.0

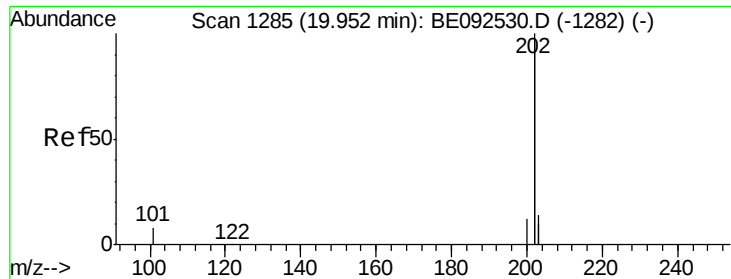


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pvrene

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

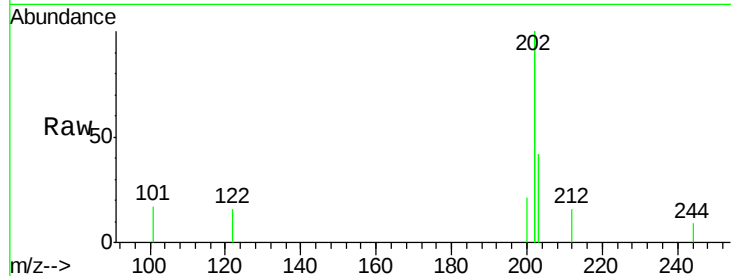
Tot Ion:202 Resp: 1865

Ion Ratio Lower Upper

202 100

200 8.8 4.2 6.4#

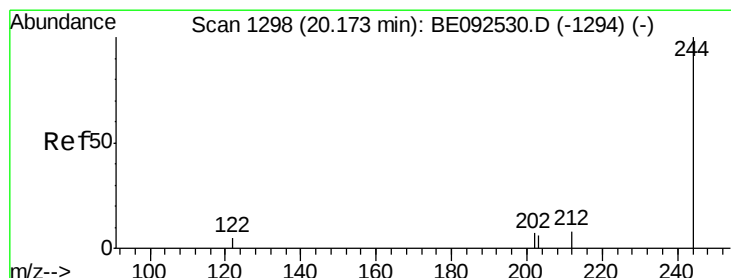
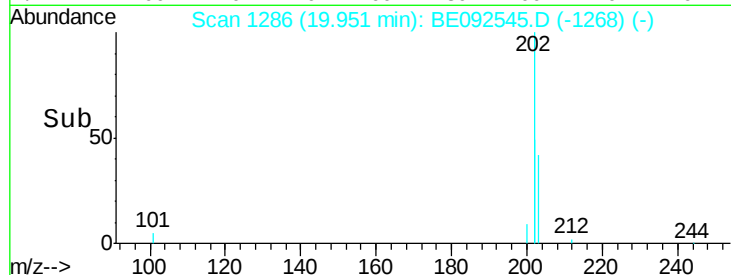
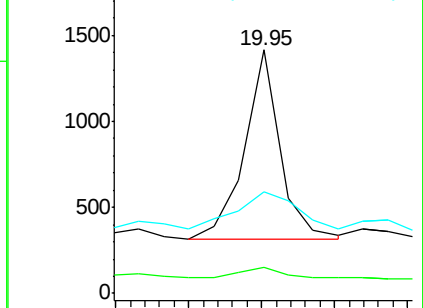
203 31.6 13.9 20.9#



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

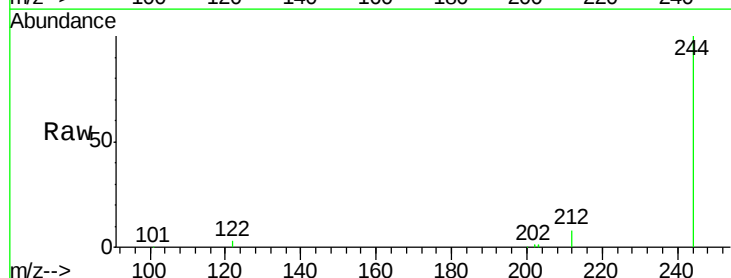
Tgt Ion:244 Resp: 60702

Ion Ratio Lower Upper

244 100

212 8.1 6.7 10.1

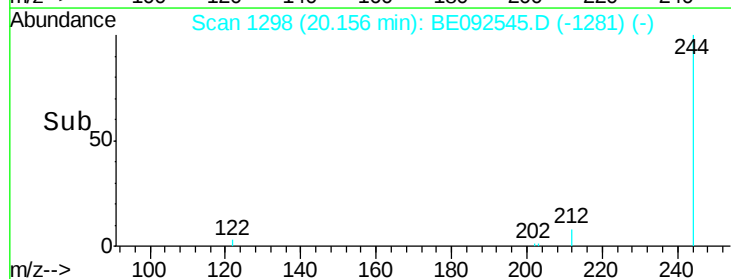
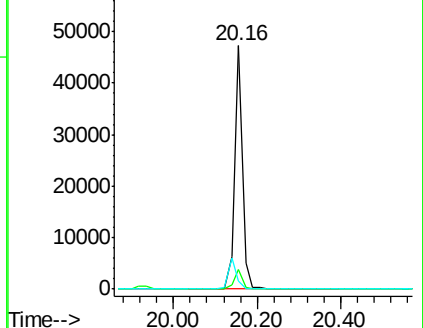
122 3.4 3.6 5.4#

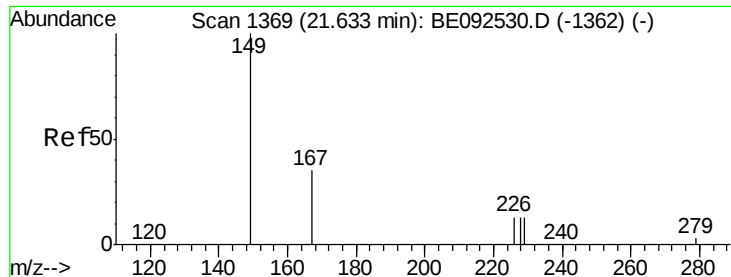


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

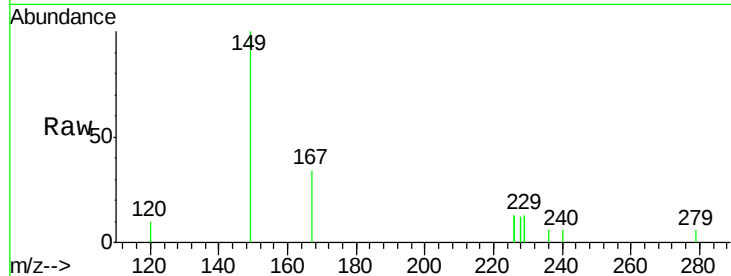




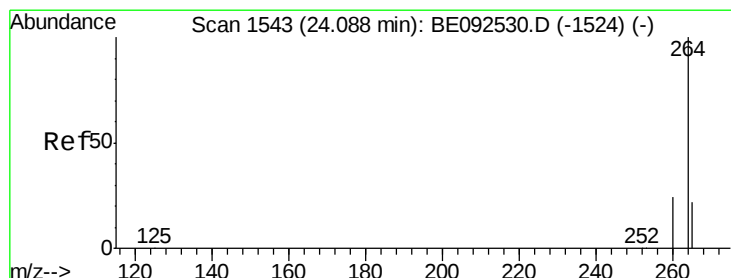
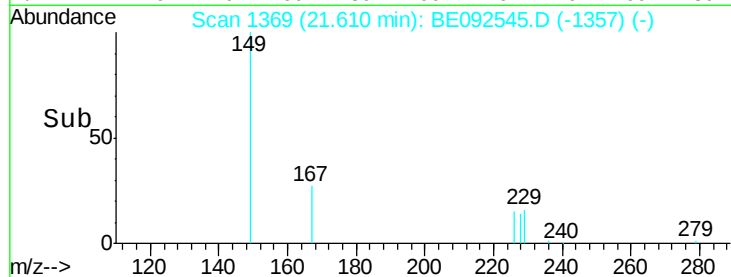
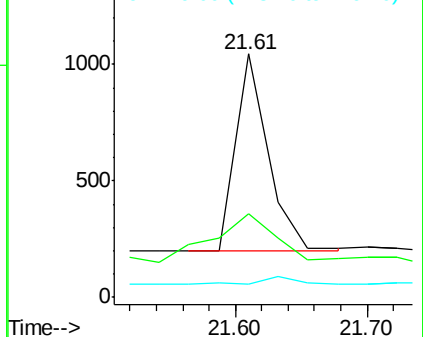
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.38 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. -0.02 min
 Lab File: BE092545.D
 Acq: 16 Nov 2016 22:11

Instrument :
 BNA_E
 ClientSampleId :
 C19013041

Tot Ion:149 Resp: 1471
 Ion Ratio Lower Upper
 149 100
 167 71.7 16.0 24.0#
 279 0.0 16.0 24.0#

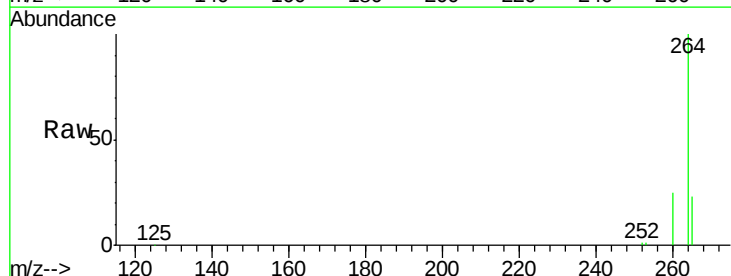


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#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

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



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

