

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
 Data File : BE092555.D
 Acq On : 17 Nov 2016 4:24
 Operator : UM/SJ
 Sample : H5643-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FB-111016

Quant Time: Nov 17 04:55:36 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

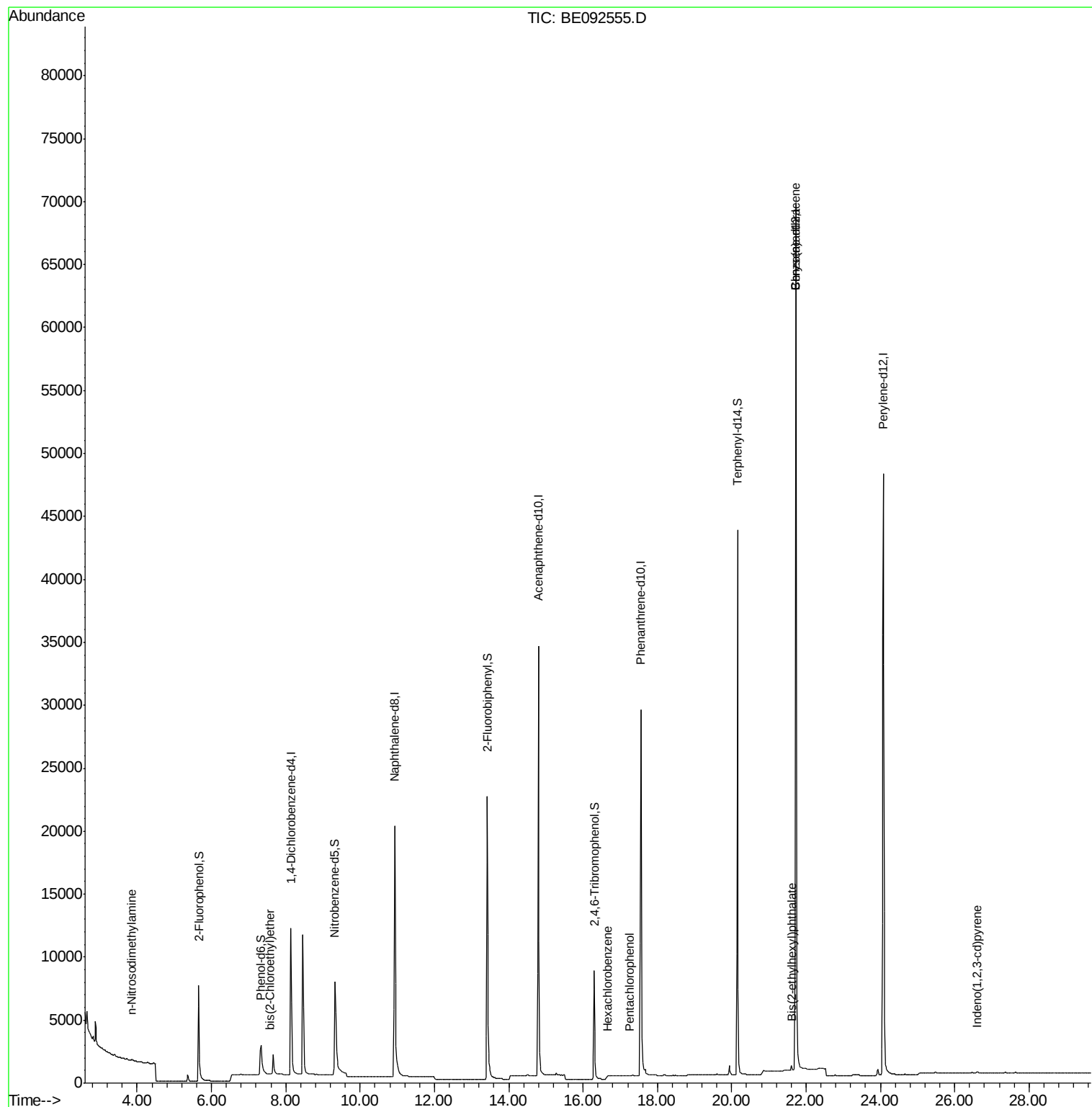
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7950	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	35164	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	23305	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	51314	5.00	ng	0.00
24) Chrysene-d12	21.72	240	83410	5.00	ng	0.00
31) Perylene-d12	24.08	264	73003	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	7620	5.68	ng	-0.02
5) Phenol-d6	7.34	99	5299	2.44	ng	-0.02
8) Nitrobenzene-d5	9.32	82	12377	5.42	ng	-0.05
13) 2,4,6-Tribromophenol	16.30	330	6993	13.38	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	29751	5.24	ng	-0.01
26) Terphenyl-d14	20.16	244	51492	5.40	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.86	42	20	0.19	ng	# 2
6) bis(2-Chloroethyl)ether	7.57	93	6	0.04	ng	# 15
19) Hexachlorobenzene	16.66	284	113	0.06	ng	# 39
20) Pentachlorophenol	17.26	266	10	0.04	ng	# 73
27) Benzo(a)anthracene	21.72	228	929	0.11	ng	# 44
29) Bis(2-ethylhexyl)phthalate	21.61	149	537	0.22	ng	# 76
30) Indeno(1,2,3-cd)pyrene	26.60	276	288	0.05	ng	97

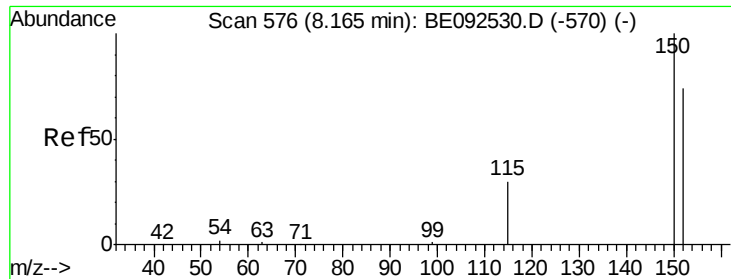
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092555.D

Acq: 17 Nov 2016 4:24

Instrument :

BNA_E

ClientSampleId :

FB-111016

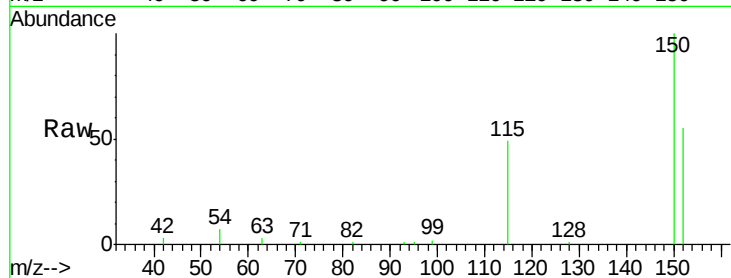
Tgt Ion: 152 Resp: 7950

Ion Ratio Lower Upper

152 100

150 180.9 106.0 159.0#

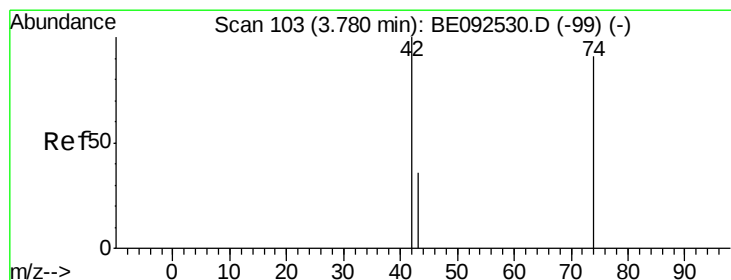
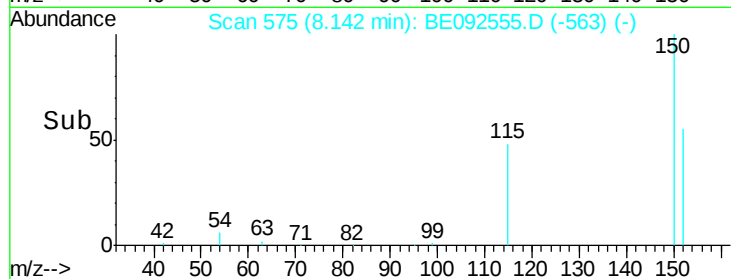
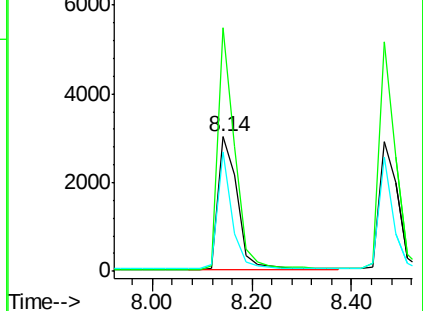
115 88.4 31.2 46.8#



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: 0.19 ng

RT: 3.86 min Scan# 110

Delta R.T. 0.08 min

Lab File: BE092555.D

Acq: 17 Nov 2016 4:24

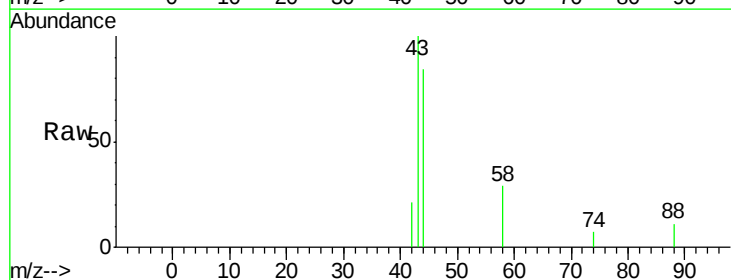
Tgt Ion: 42 Resp: 20

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

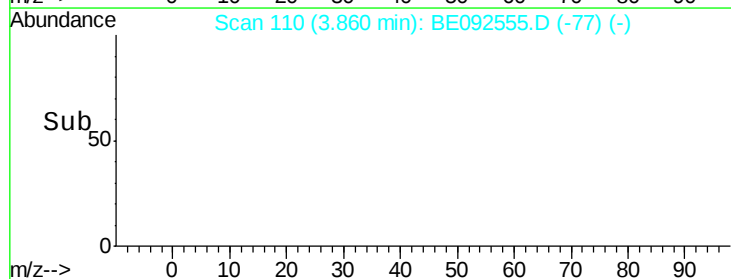
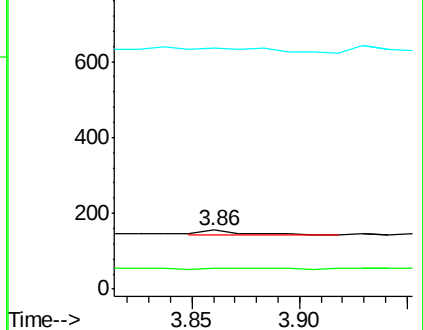
44 0.0 5.1 7.7#

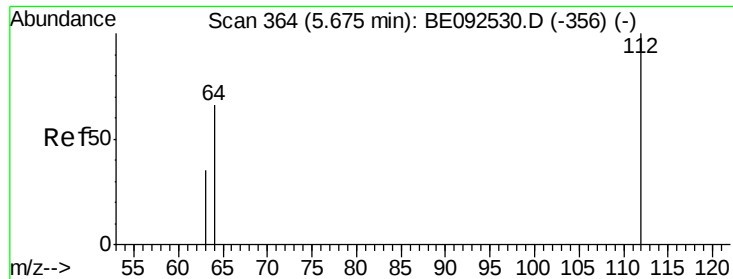


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.68 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092555.D

Acq: 17 Nov 2016 4:24

Instrument :

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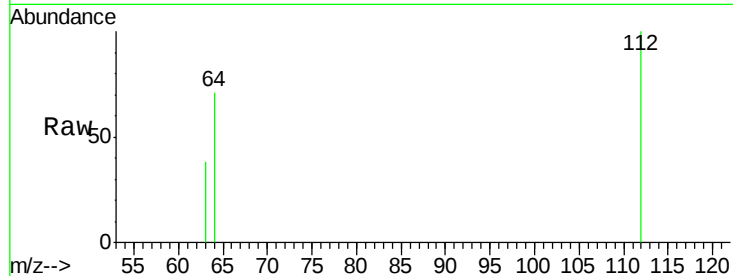
Tgt Ion: 112 Resp: 7620

Ion Ratio Lower Upper

112 100

64 67.7 53.5 80.3

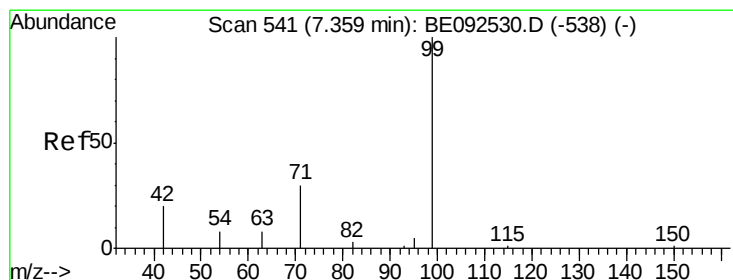
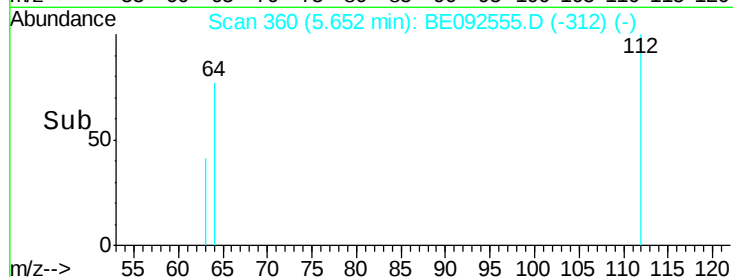
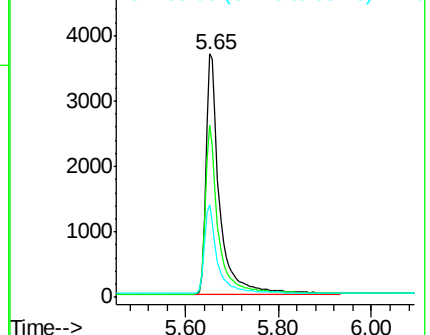
63 36.4 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 2.44 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092555.D

Acq: 17 Nov 2016 4:24

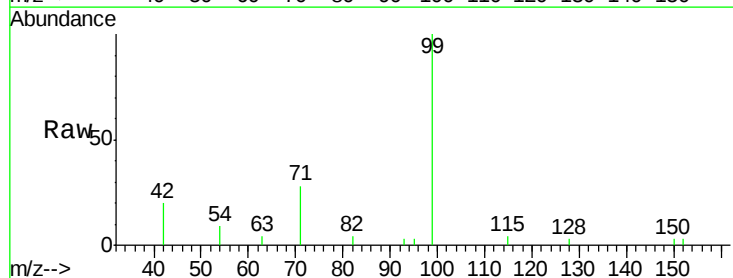
Tgt Ion: 99 Resp: 5299

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

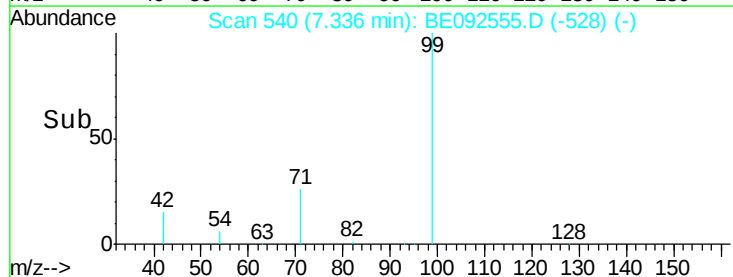
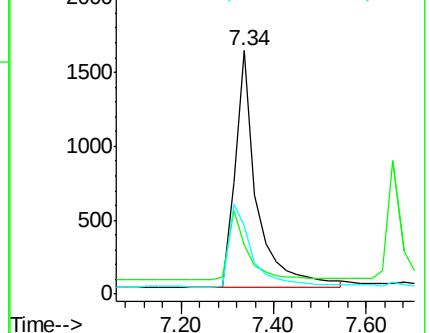
71 0.0 30.6 45.8#

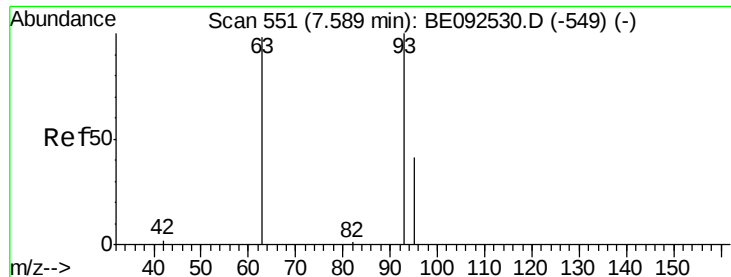


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.04 ng

RT: 7.57 min Scan# 550

Delta R.T. -0.02 min

Lab File: BE092555.D

Acq: 17 Nov 2016 4:24

Instrument :

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FB-111016

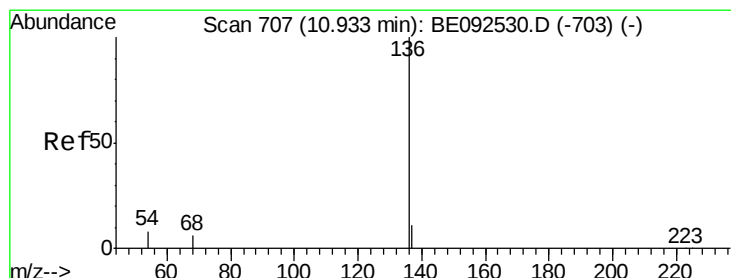
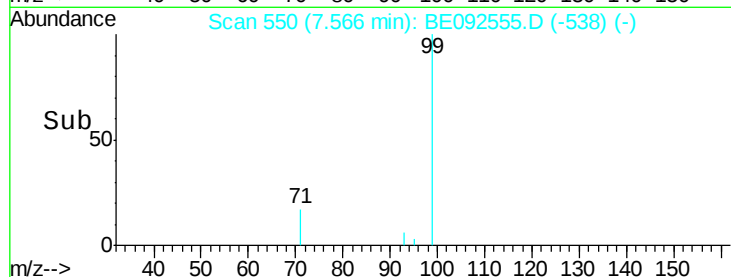
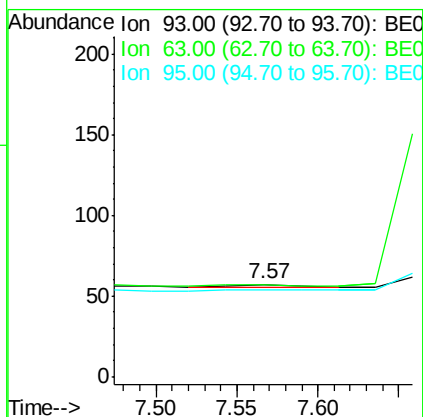
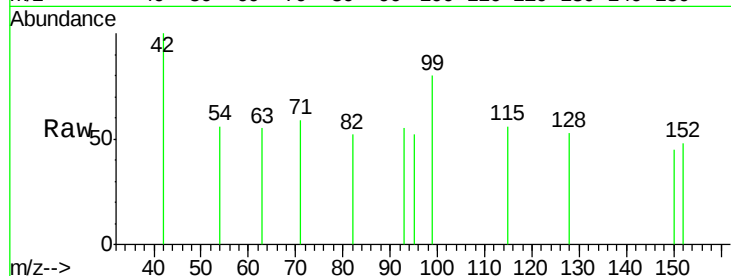
Tgt Ion: 93 Resp: 6

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

95 0.0 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: BE092555.D

Acq: 17 Nov 2016 4:24

Tgt Ion: 136 Resp: 35164

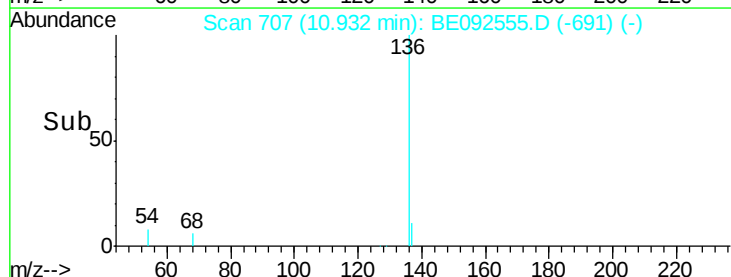
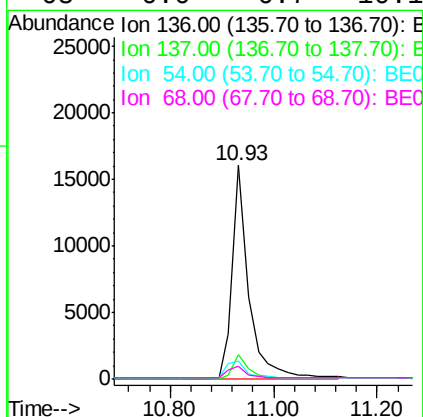
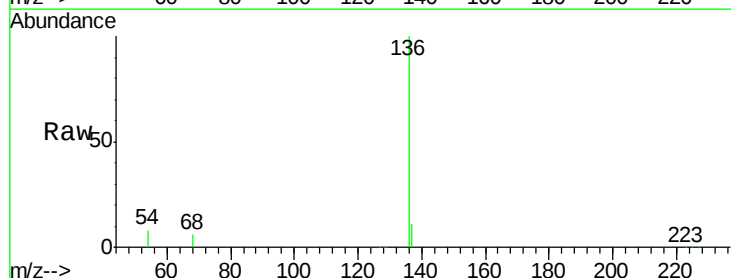
Ion Ratio Lower Upper

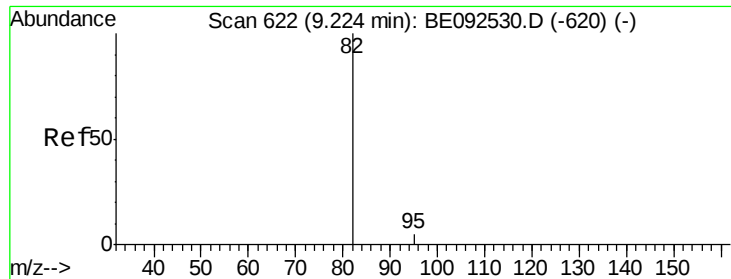
136 100

137 11.2 8.2 12.4

54 8.2 9.6 14.4#

68 6.0 6.7 10.1#





#8

Nitrobenzene-d5

Concen: 5.42 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092555.D

Acq: 17 Nov 2016 4:24

Instrument :

BNA_E

ClientSampleId :

FB-111016

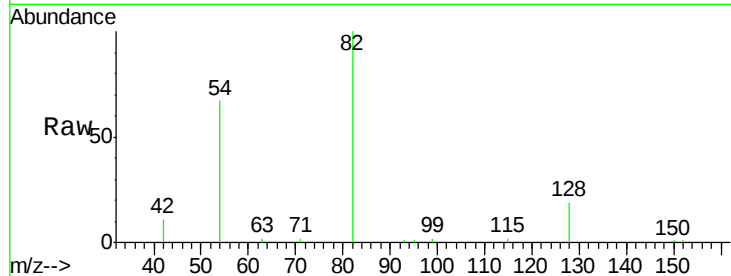
Tgt Ion: 82 Resp: 12377

Ion Ratio Lower Upper

82 100

128 19.1 39.0 58.4#

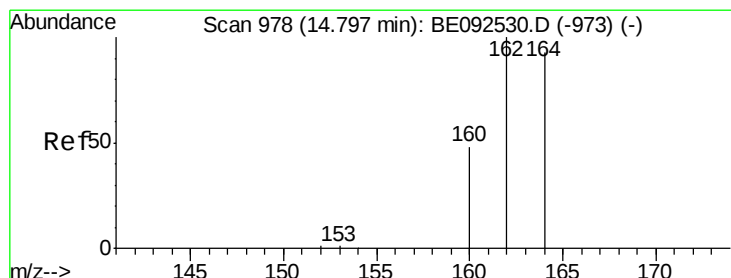
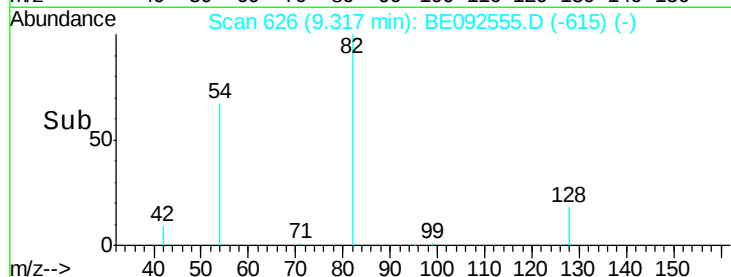
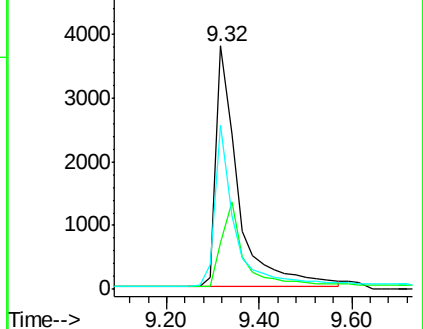
54 67.5 44.8 67.2#



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092555.D

Acq: 17 Nov 2016 4:24

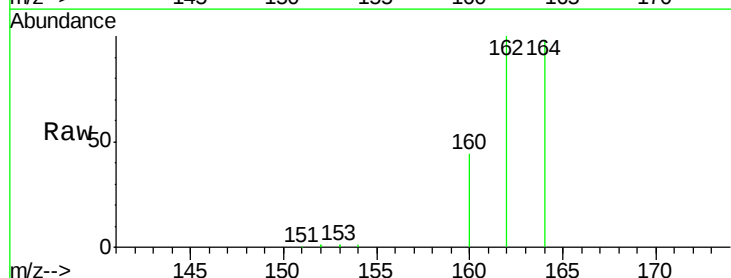
Tgt Ion: 164 Resp: 23305

Ion Ratio Lower Upper

164 100

162 102.3 71.4 107.0

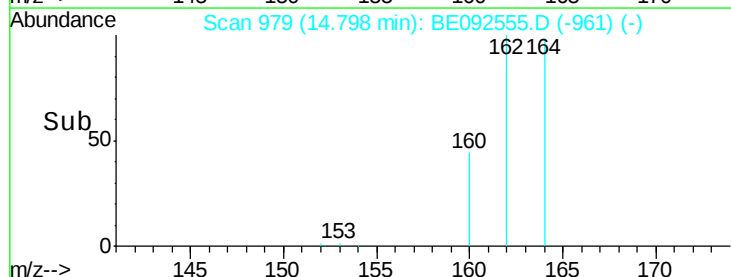
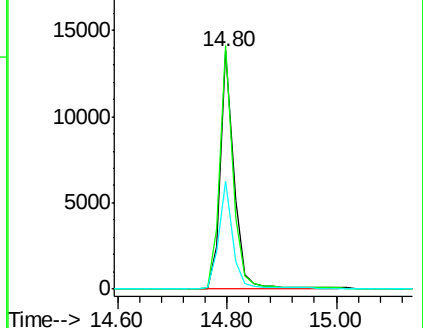
160 45.4 27.4 41.2#

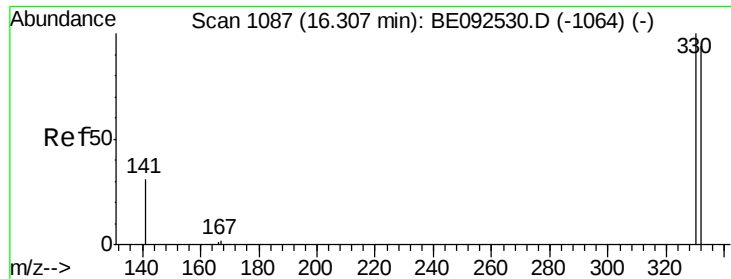


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

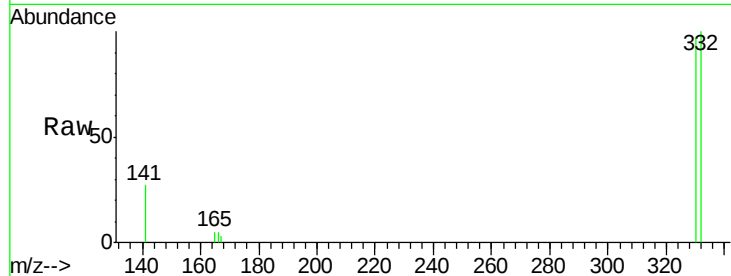




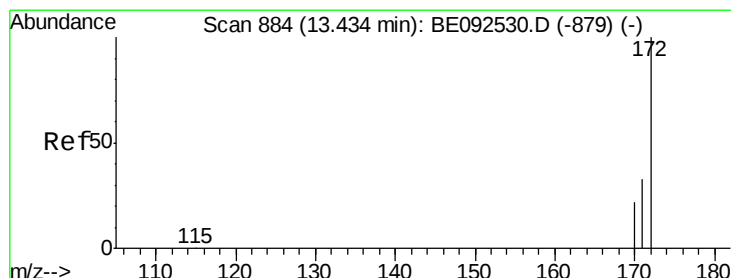
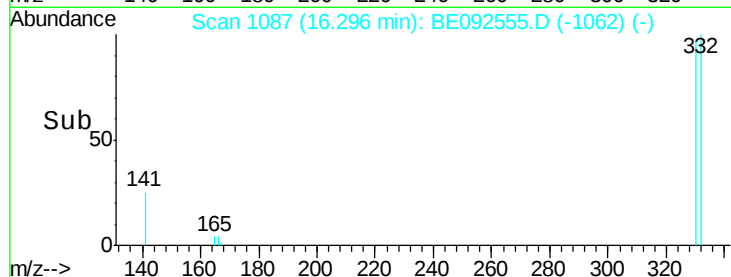
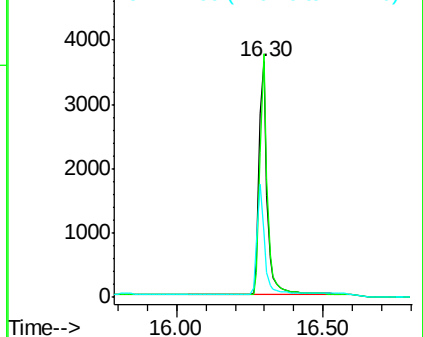
#13
 2,4,6-Tribromophenol
 Concen: 13.38 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092555.D
 Acq: 17 Nov 2016 4:24

Instrument :
 BNA_E
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Tgt Ion:330 Resp: 6993
 Ion Ratio Lower Upper
 330 100
 332 96.6 75.4 113.0
 141 43.4 31.0 46.6

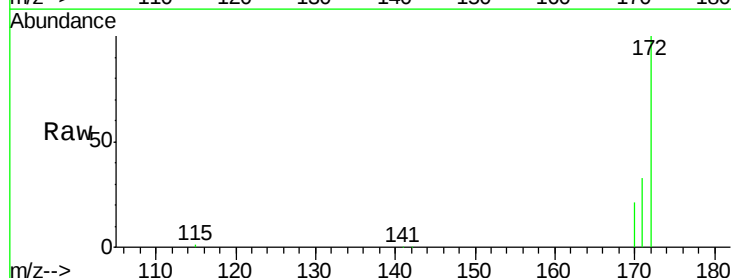


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

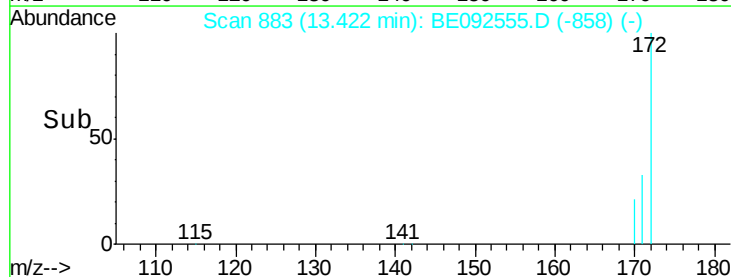
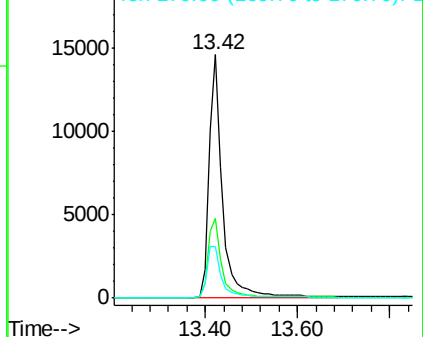


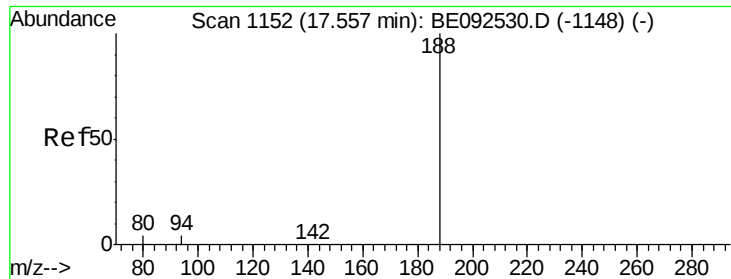
#14
 2-Fluorobiphenyl
 Concen: 5.24 ng
 RT: 13.42 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BE092555.D
 Acq: 17 Nov 2016 4:24

Tgt Ion:172 Resp: 29751
 Ion Ratio Lower Upper
 172 100
 171 32.9 30.1 45.1
 170 21.3 21.8 32.6#



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

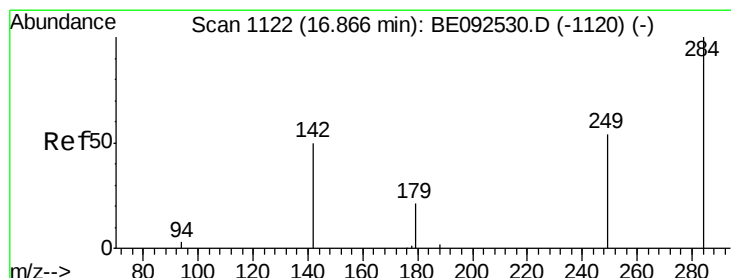
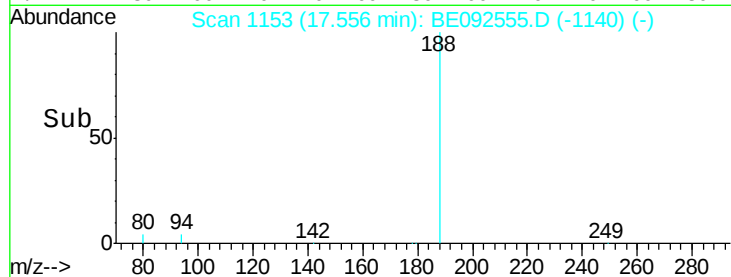
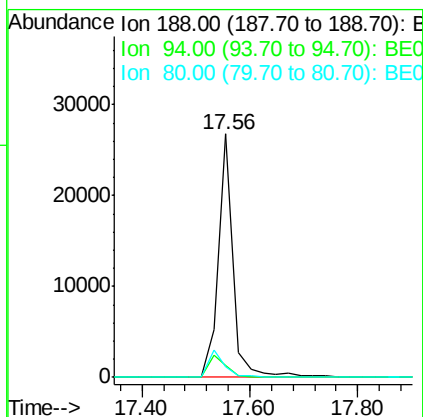
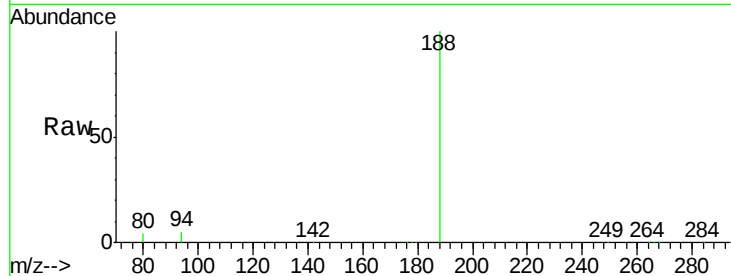




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092555.D
Acq: 17 Nov 2016 4:24

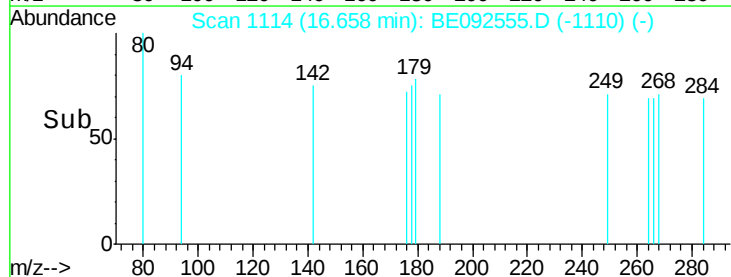
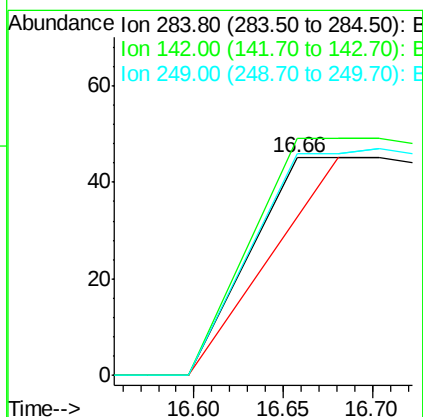
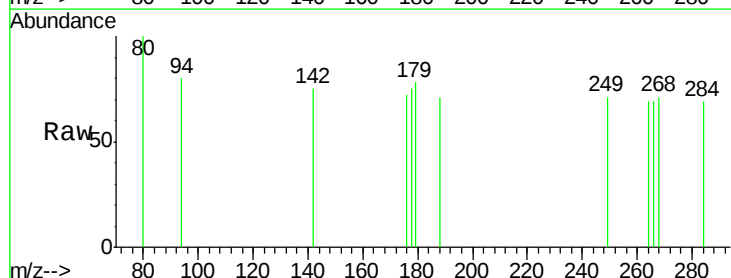
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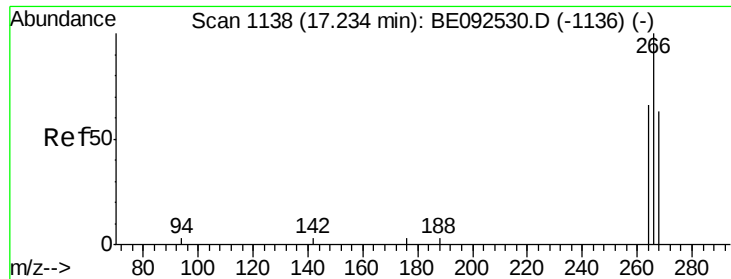
Tgt Ion:188 Resp: 51314
Ion Ratio Lower Upper
188 100
94 4.6 3.2 4.8
80 4.3 2.6 3.8#



#19
Hexachlorobenzene
Concen: 0.06 ng
RT: 16.66 min Scan# 1114
Delta R.T. -0.21 min
Lab File: BE092555.D
Acq: 17 Nov 2016 4:24

Tgt Ion:284 Resp: 113
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#

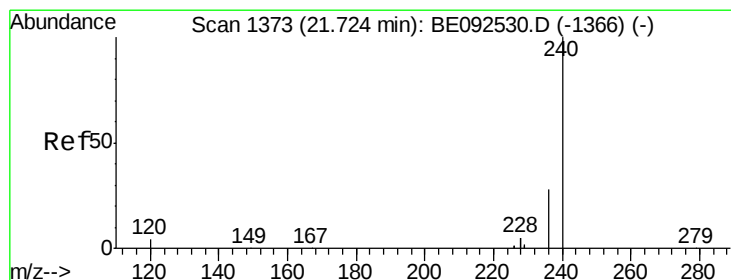
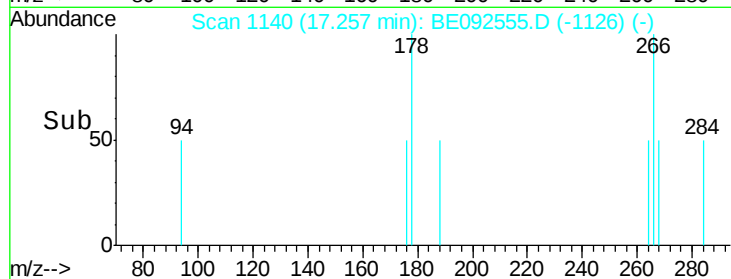
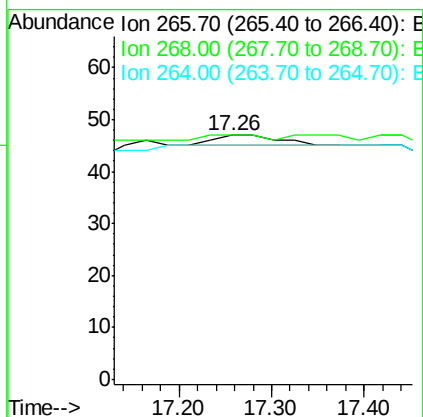
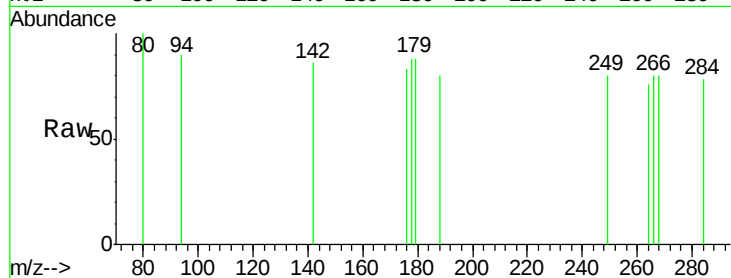




#20
 Pentachlorophenol
 Concen: 0.04 ng
 RT: 17.26 min Scan# 1140
 Delta R.T. 0.02 min
 Lab File: BE092555.D
 Acq: 17 Nov 2016 4:24

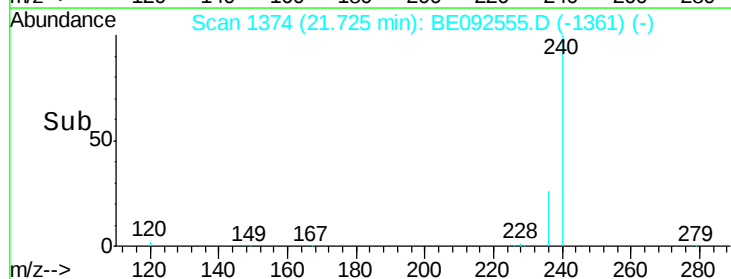
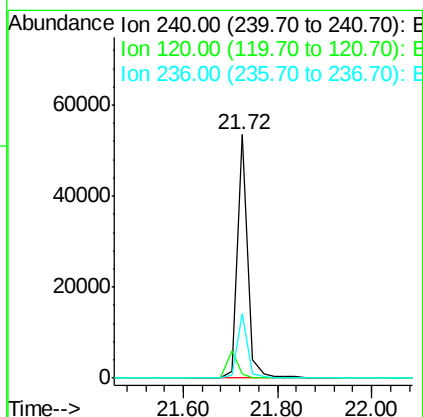
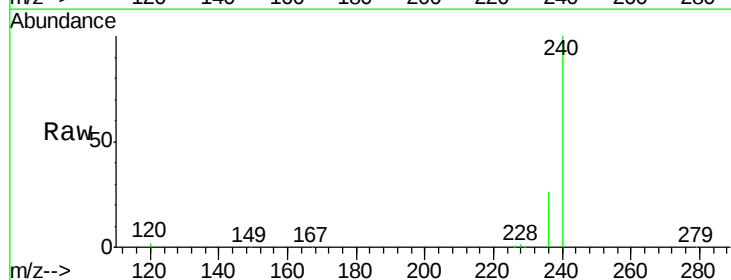
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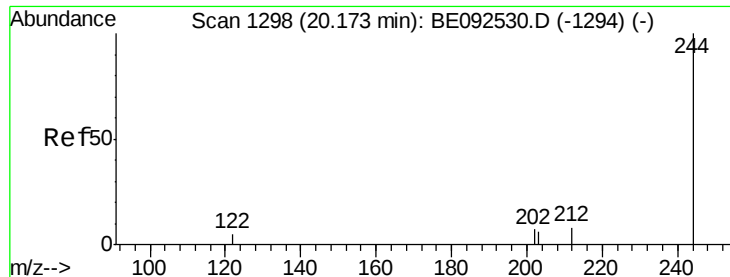
Tgt Ion: 266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 268 100.0 62.5 93.7#
 264 95.7 57.2 85.8#



#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092555.D
 Acq: 17 Nov 2016 4:24

Tgt Ion: 240 Resp: 83410
 Ion Ratio Lower Upper
 240 100
 120 1.7 2.6 4.0#
 236 26.4 24.6 37.0





#26

Terphenyl-d14

Concen: 5.40 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092555.D

Acq: 17 Nov 2016 4:24

Instrument :

BNA_E

ClientSampleId :

FB-111016

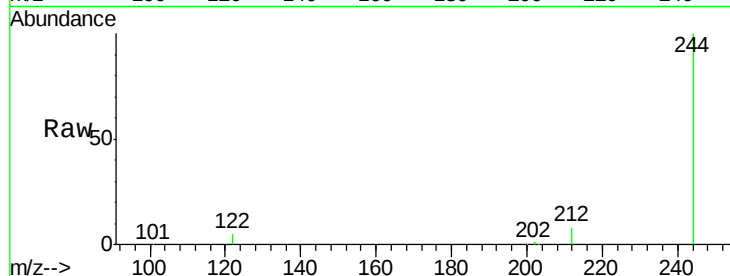
Tgt Ion:244 Resp: 51492

Ion Ratio Lower Upper

244 100

212 8.1 6.7 10.1

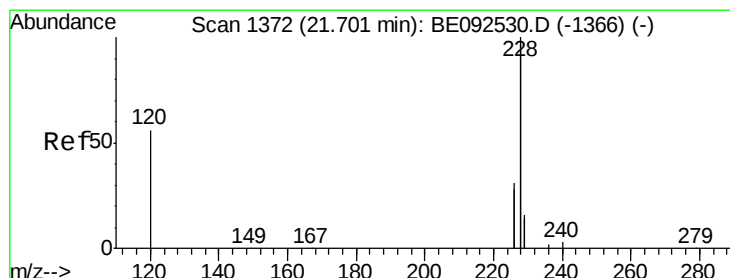
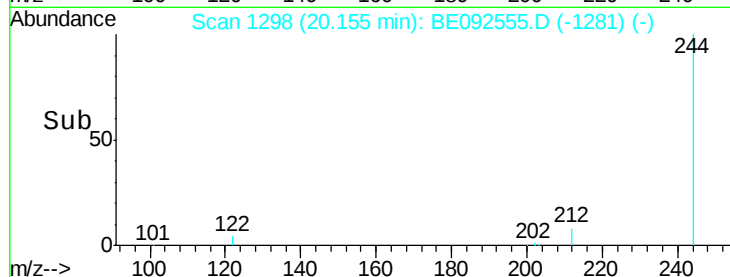
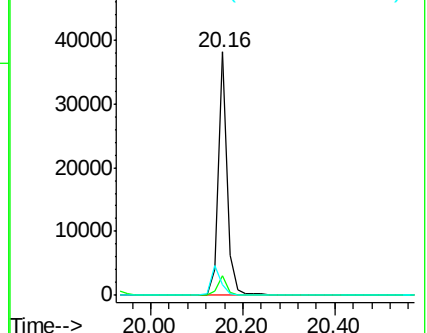
122 4.5 3.6 5.4



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: 0.11 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.02 min

Lab File: BE092555.D

Acq: 17 Nov 2016 4:24

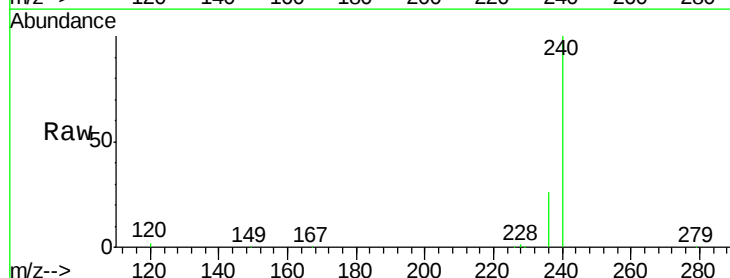
Tgt Ion:228 Resp: 929

Ion Ratio Lower Upper

228 100

226 41.9 23.6 35.4#

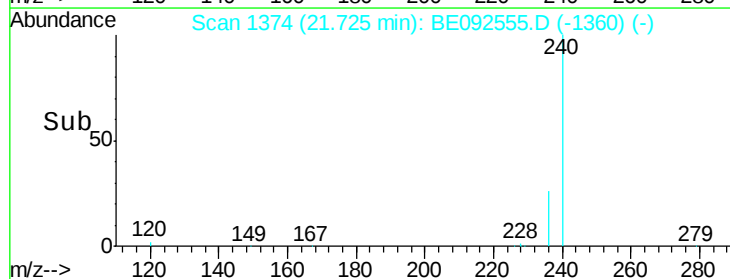
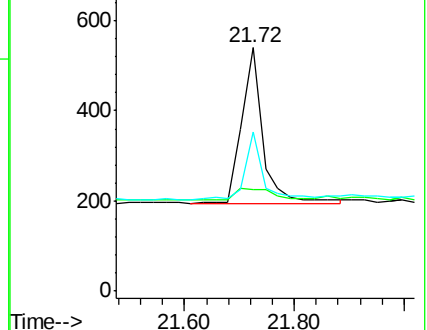
229 65.6 13.3 19.9#

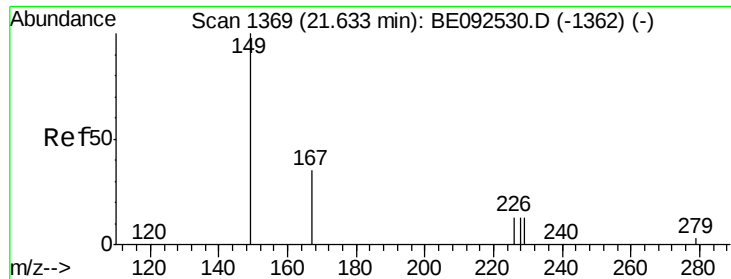


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092555.D

Acq: 17 Nov 2016 4:24

Instrument :

BNA_E

ClientSampleId :

FB-111016

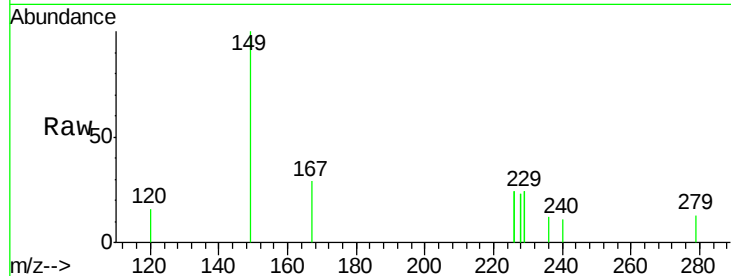
Tgt Ion:149 Resp: 537

Ion Ratio Lower Upper

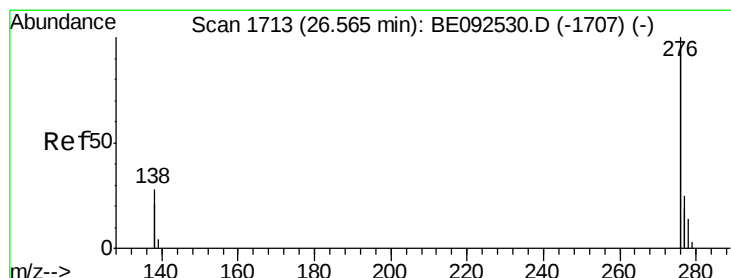
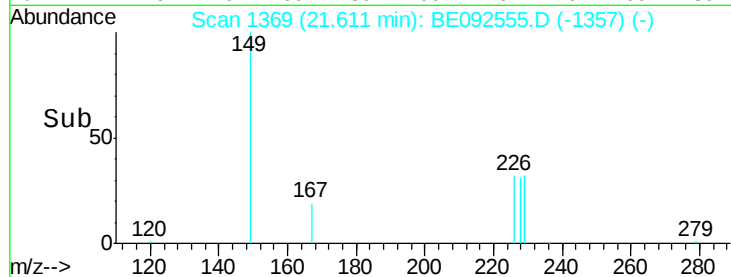
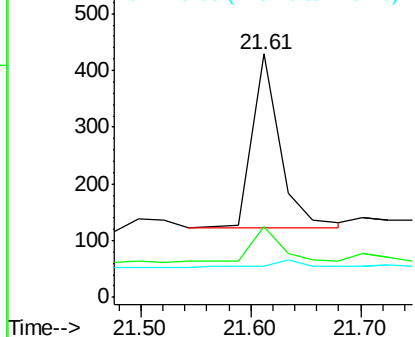
149 100

167 21.8 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: 26.60 min Scan# 1716

Delta R.T. 0.04 min

Lab File: BE092555.D

Acq: 17 Nov 2016 4:24

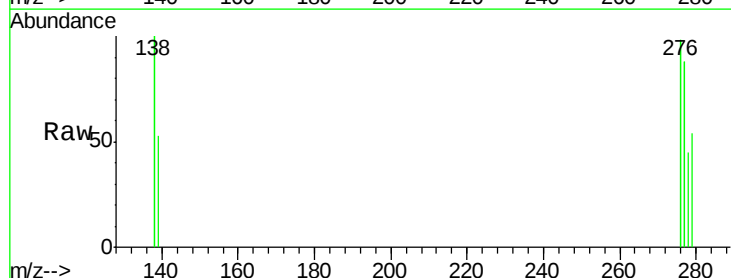
Tgt Ion:276 Resp: 288

Ion Ratio Lower Upper

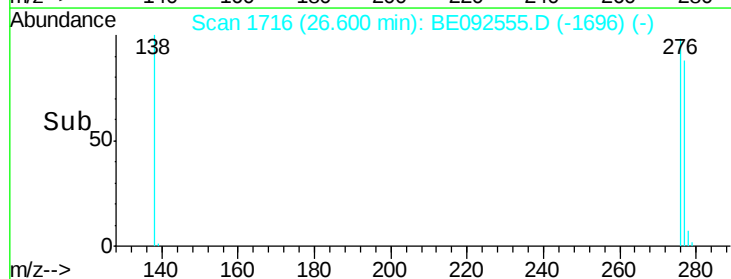
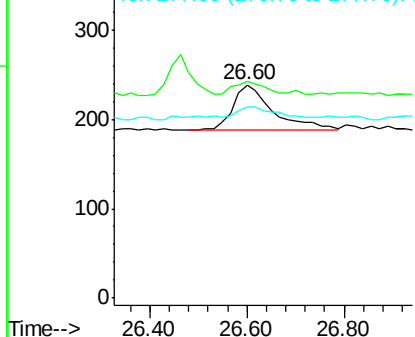
276 100

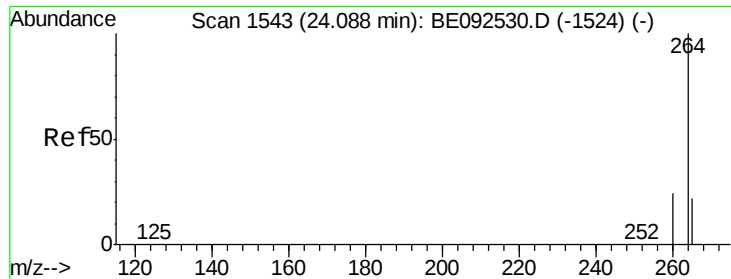
138 26.7 20.3 30.5

277 22.6 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: BE092555.D

Acq: 17 Nov 2016 4:24

Instrument :

BNA_E

ClientSampleId :

FB-111016

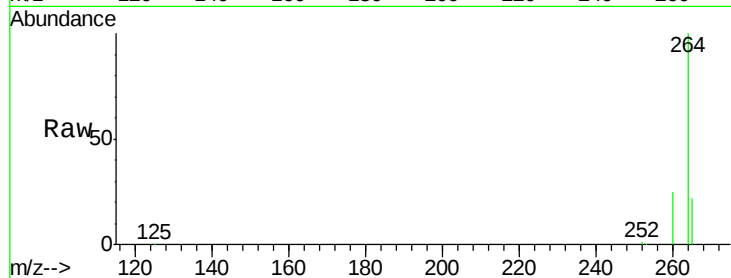
Tgt Ion: 264 Resp: 73003

Ion Ratio Lower Upper

264 100

260 25.3 20.1 30.1

265 21.8 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

