

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013117\
 Data File : BE092696.D
 Acq On : 31 Jan 2017 20:50
 Operator : SJ/MA
 Sample : I1505-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-01A

Quant Time: Feb 01 02:22:57 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

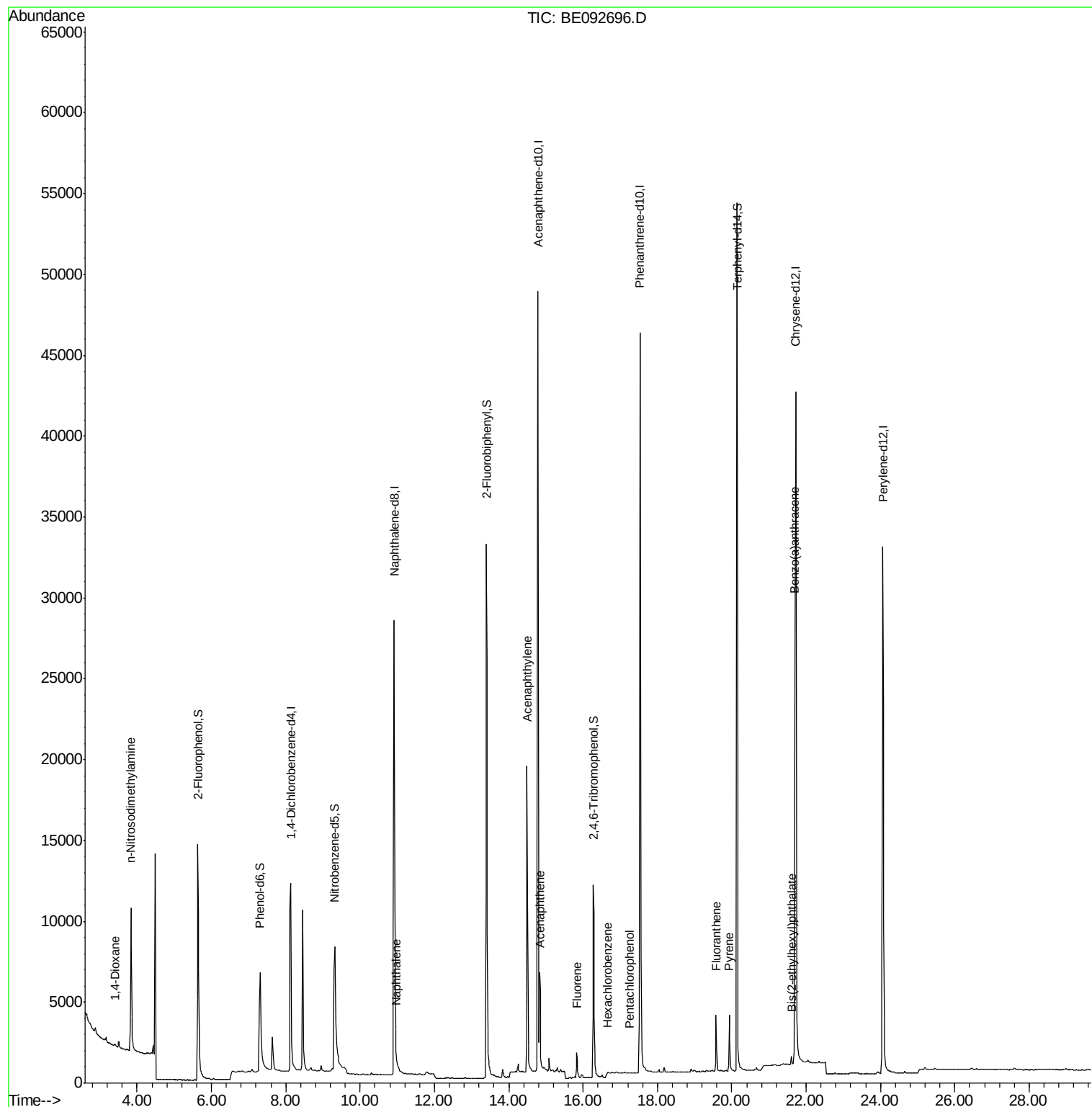
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	10097	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	47881	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	30242	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	68037	5.00	ng	0.00
24) Chrysene-d12	21.72	240	70449	5.00	ng	0.00
31) Perylene-d12	24.06	264	48595	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.64	112	14808	6.57	ng	-0.01
5) Phenol-d6	7.31	99	12453	4.51	ng	-0.02
8) Nitrobenzene-d5	9.32	82	14679	4.72	ng	-0.02
13) 2,4,6-Tribromophenol	16.27	330	9647	10.76	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	39884	5.36	ng	-0.02
26) Terphenyl-d14	20.14	244	67832	6.81	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.40	88	148	0.04	ng	# 65
3) n-Nitrosodimethylamine	3.84	42	430	0.24	ng	# 1
9) Naphthalene	10.97	128	346	0.03	ng	# 16
15) Acenaphthylene	14.49	152	29683	0.71	ng	100
16) Acenaphthene	14.85	154	1610	0.24	ng	94
17) Fluorene	15.83	166	1384	0.16	ng	98
19) Hexachlorobenzene	16.66	284	292	0.04	ng	# 1
20) Pentachlorophenol	17.26	266	18	0.03	ng	# 70
23) Fluoranthene	19.58	202	4633	0.07	ng	100
25) Pyrene	19.94	202	4981	0.07	ng	98
27) Benzo(a)anthracene	21.70	228	1486	0.02	ng	# 66
29) Bis(2-ethylhexyl)phthalate	21.61	149	568	0.25	ng	# 69

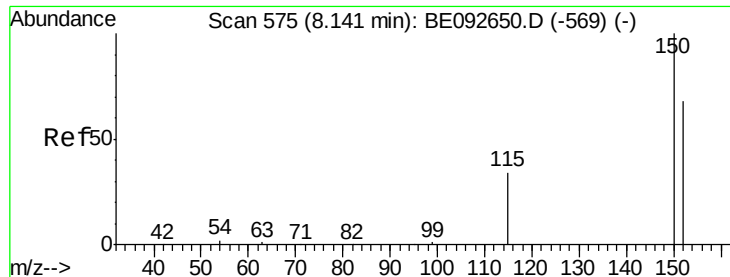
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SB-01A

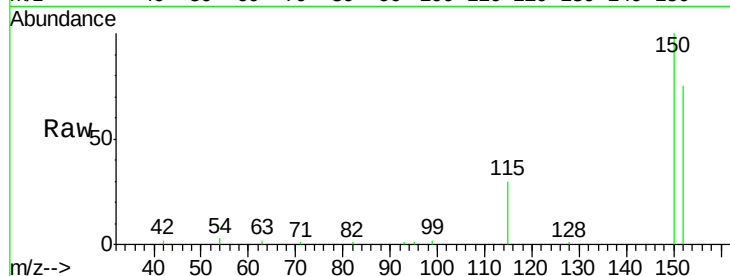
Tgt Ion:152 Resp: 10097

Ion Ratio Lower Upper

152 100

150 134.1 106.0 159.0

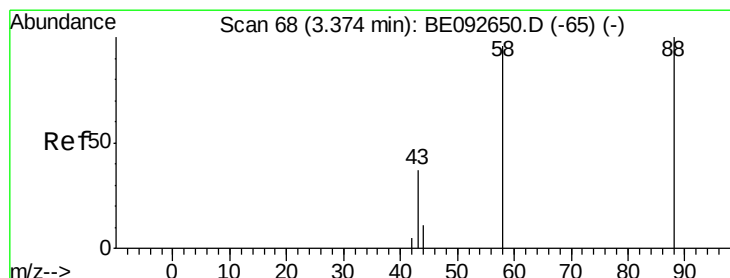
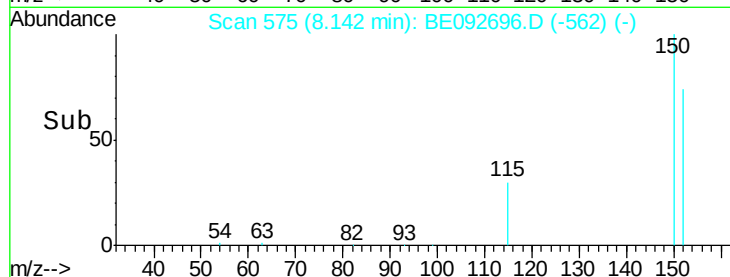
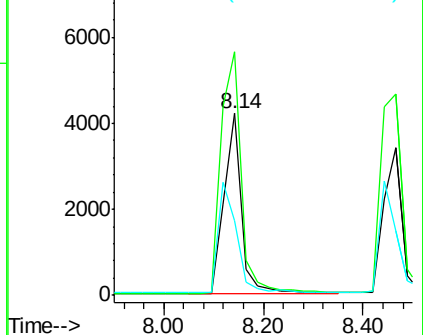
115 40.8 31.2 46.8



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: 0.04 ng

RT: 3.40 min Scan# 70

Delta R.T. 0.02 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

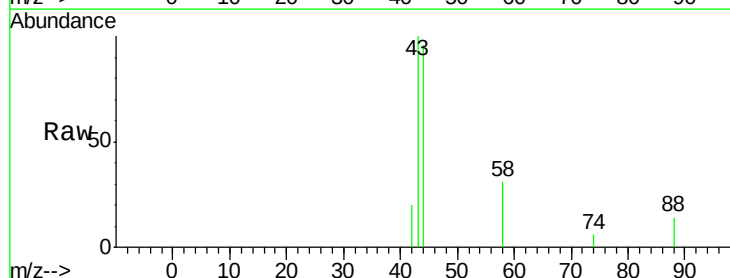
Tgt Ion: 88 Resp: 148

Ion Ratio Lower Upper

88 100

58 58.1 63.6 95.4#

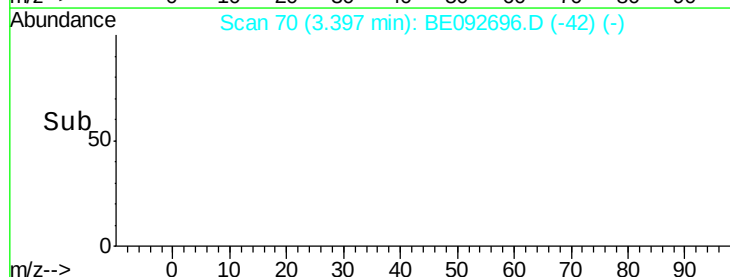
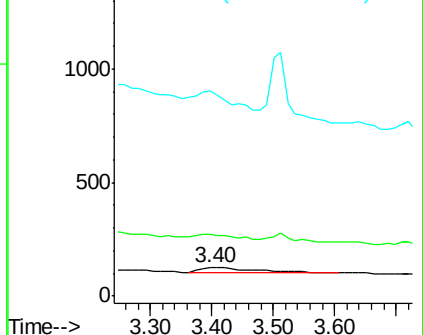
43 0.0 28.0 42.0#

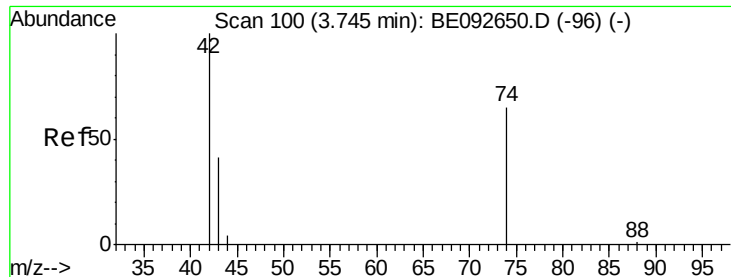


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.24 ng

RT: 3.84 min Scan# 108

Delta R.T. 0.09 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SB-01A

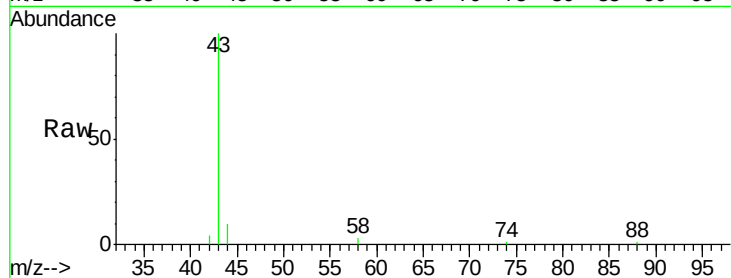
Tgt Ion: 42 Resp: 430

Ion Ratio Lower Upper

42 100

74 3.3 86.0 129.0#

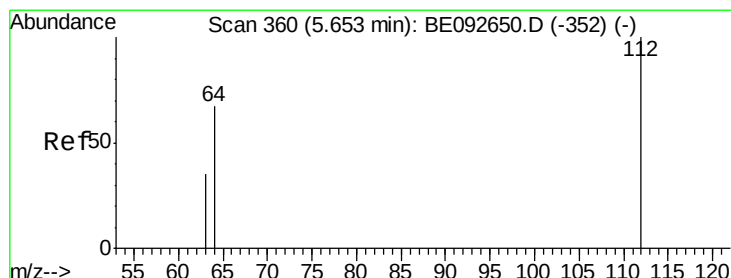
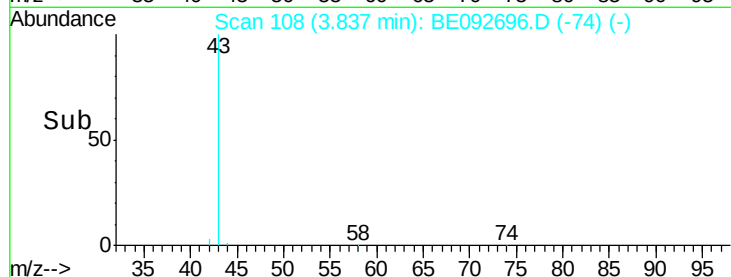
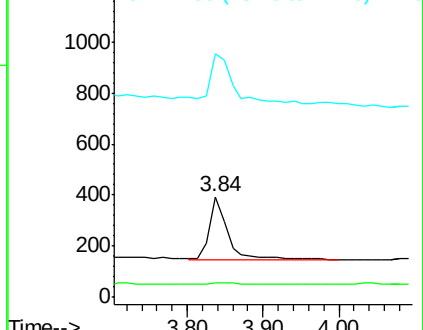
44 95.8 5.1 7.7#



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: 6.57 ng

RT: 5.64 min Scan# 358

Delta R.T. -0.01 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

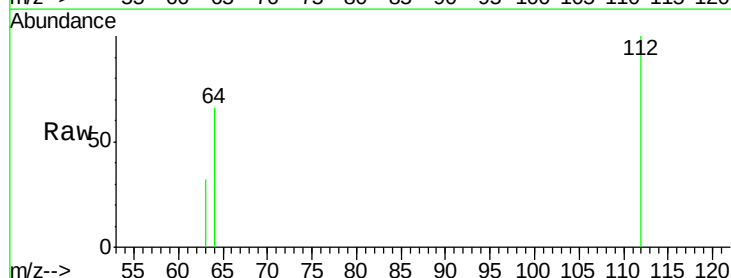
Tgt Ion: 112 Resp: 14808

Ion Ratio Lower Upper

112 100

64 68.5 53.5 80.3

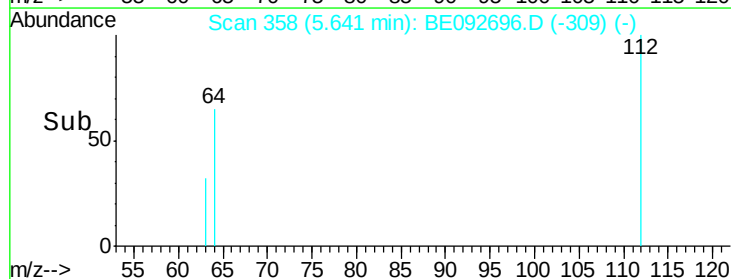
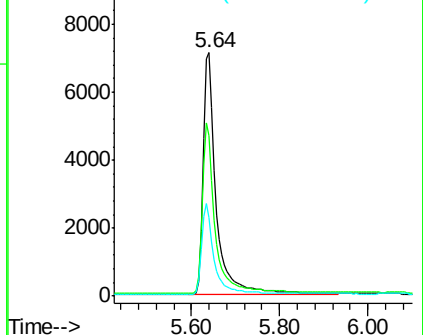
63 36.2 27.9 41.9

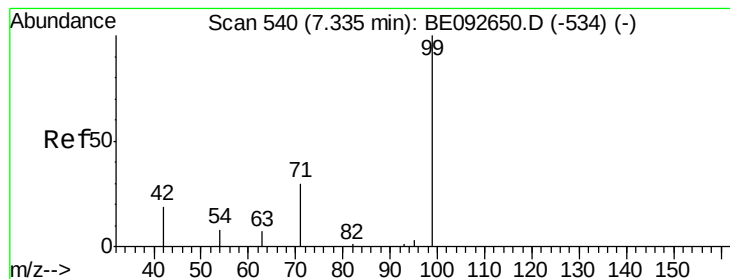


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 4.51 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SB-01A

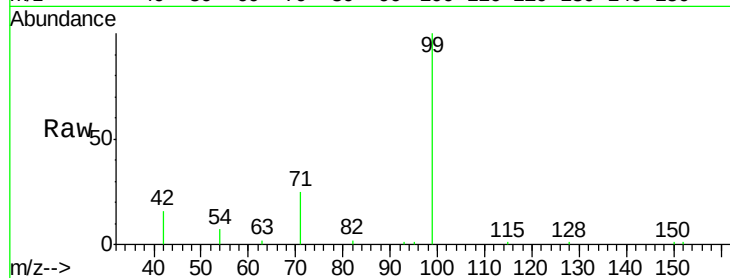
Tgt Ion: 99 Resp: 12453

Ion Ratio Lower Upper

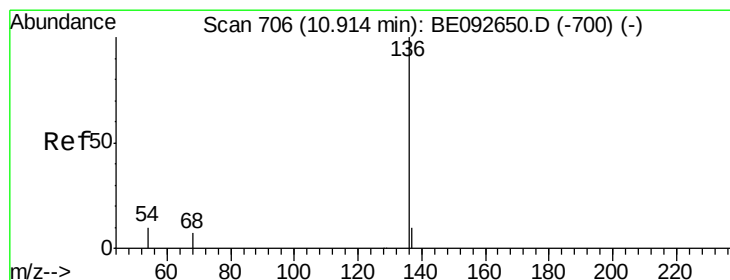
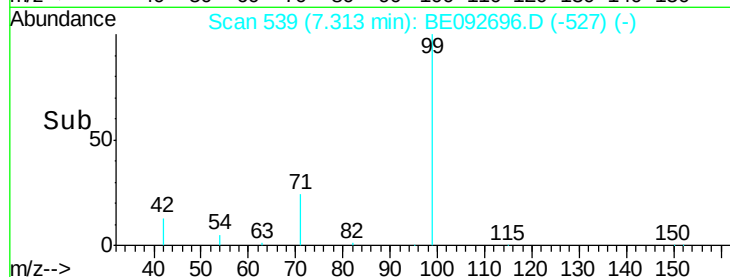
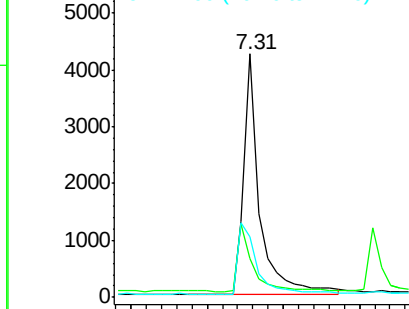
99 100

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: 10.91 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

Tgt Ion: 136 Resp: 47881

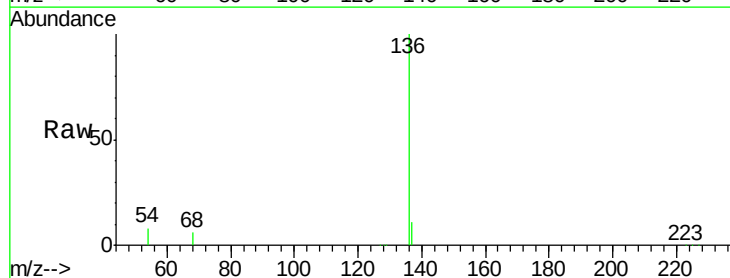
Ion Ratio Lower Upper

136 100

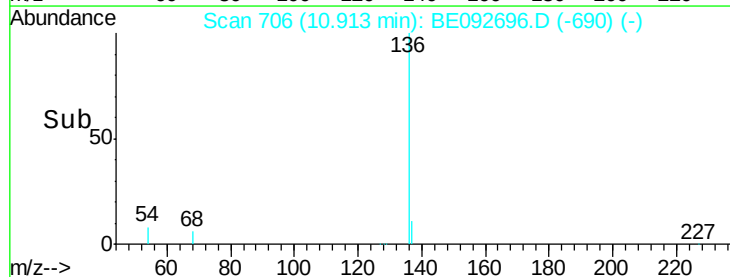
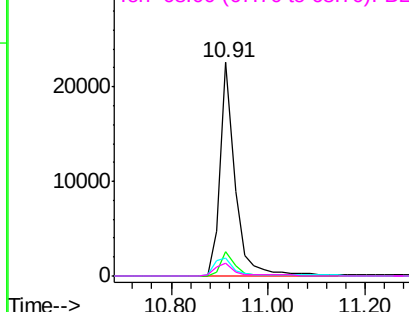
137 11.1 8.2 12.4

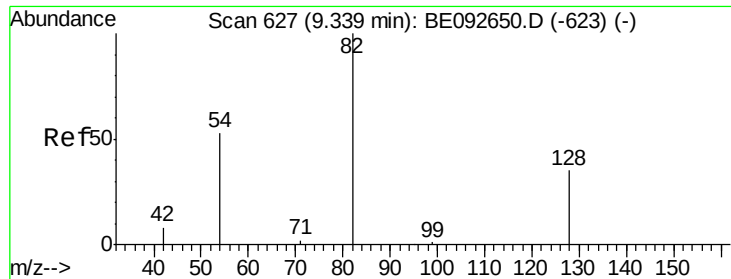
54 8.3 9.6 14.4#

68 5.9 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: 4.72 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

Instrument :

BNA_E

ClientSampleID :

SB-01A

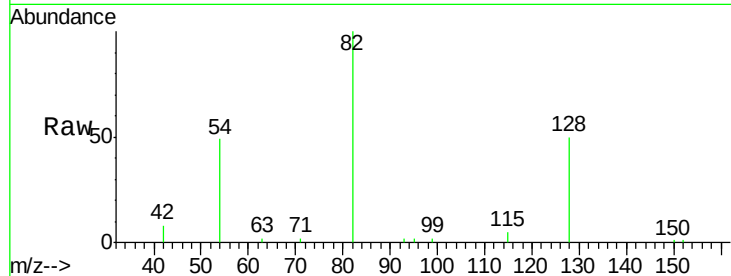
Tgt Ion: 82 Resp: 14679

Ion Ratio Lower Upper

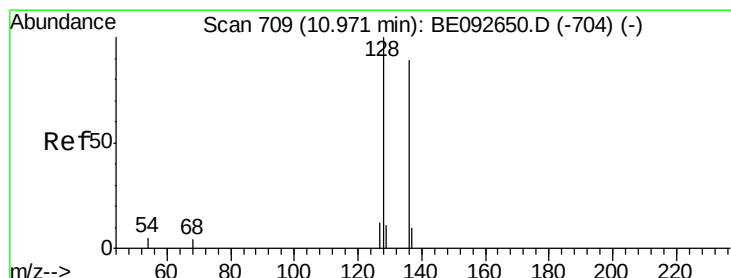
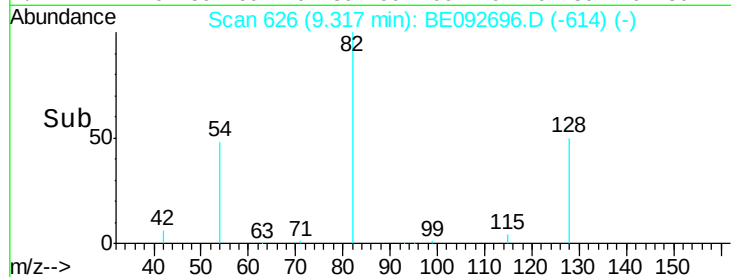
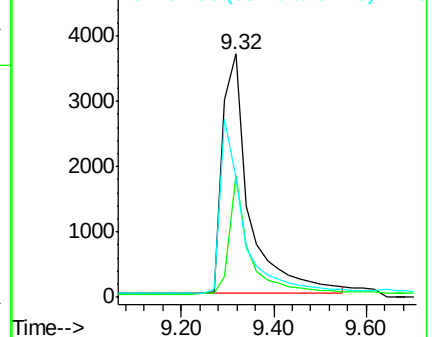
82 100

128 50.3 39.0 58.4

54 49.1 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: 0.03 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

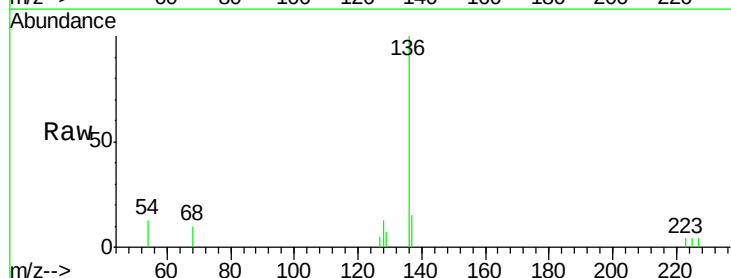
Tgt Ion: 128 Resp: 346

Ion Ratio Lower Upper

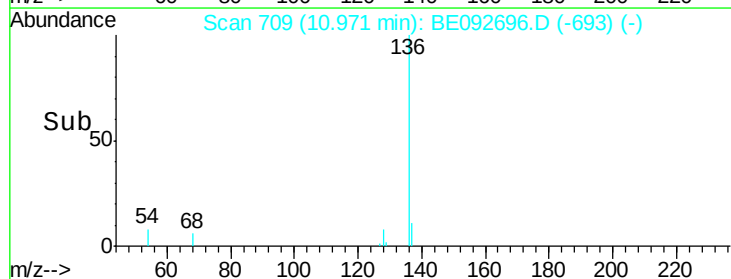
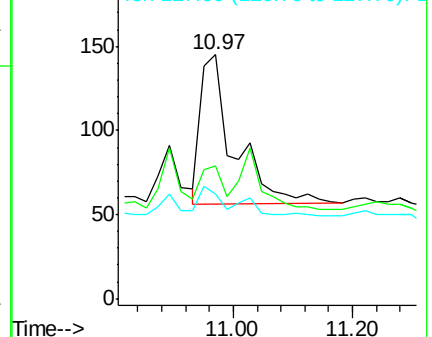
128 100

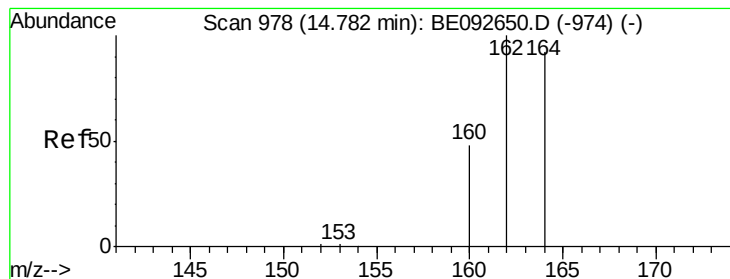
129 54.5 11.2 16.8#

127 42.8 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: 14.78 min Scan# 978

Delta R.T. 0.00 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SB-01A

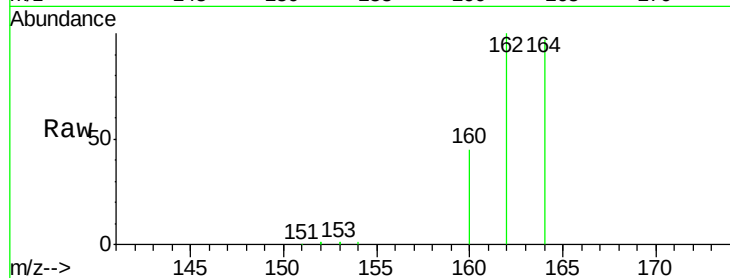
Tgt Ion:164 Resp: 30242

Ion Ratio Lower Upper

164 100

162 103.3 71.4 107.0

160 46.3 27.4 41.2#



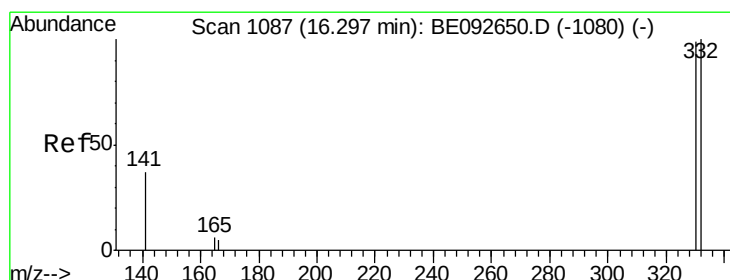
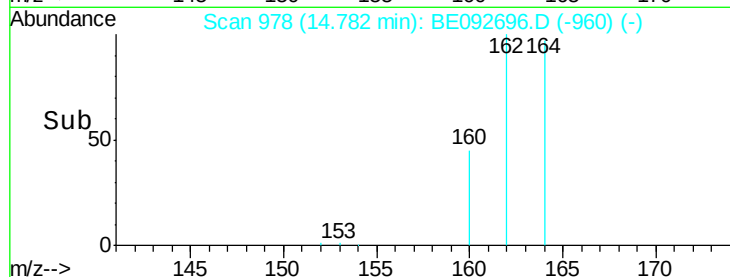
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.78

Time--> 14.60 14.80 15.00



#13

2,4,6-Tribromophenol

Concen: 10.76 ng

RT: 16.27 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

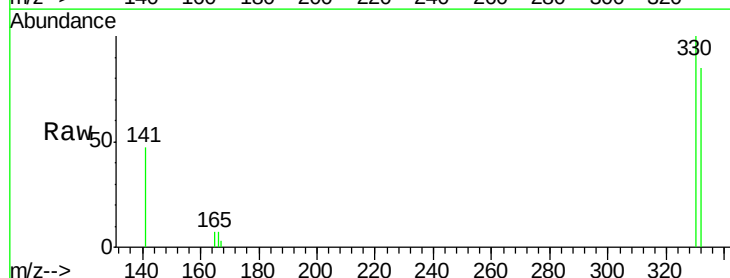
Tgt Ion:330 Resp: 9647

Ion Ratio Lower Upper

330 100

332 97.0 75.4 113.0

141 43.3 31.0 46.6



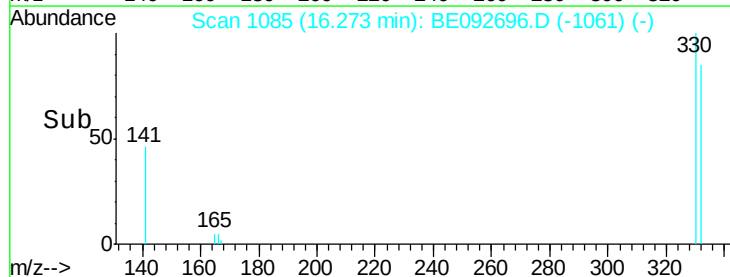
Abundance Ion 329.80 (329.50 to 330.50): E

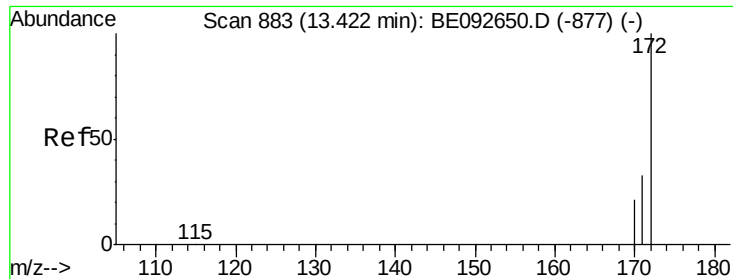
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

16.27

Time--> 16.20 16.40 16.60

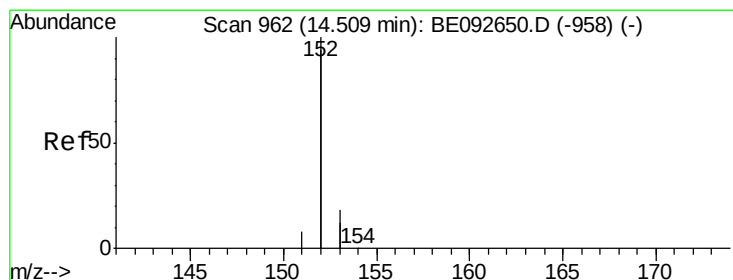
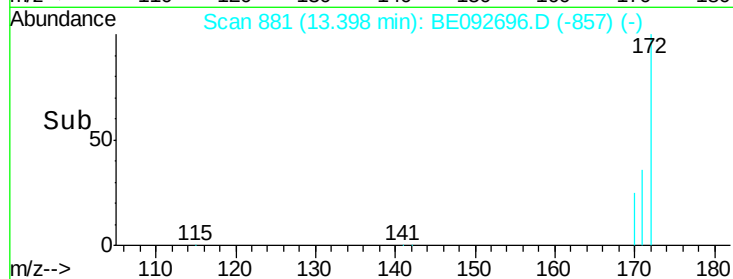
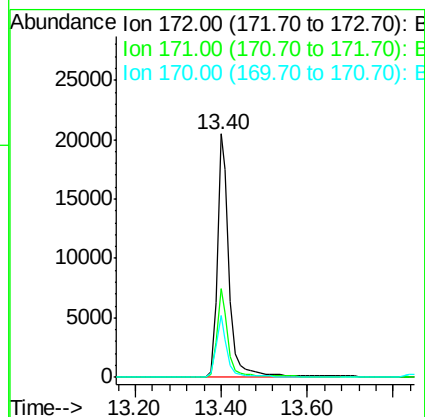
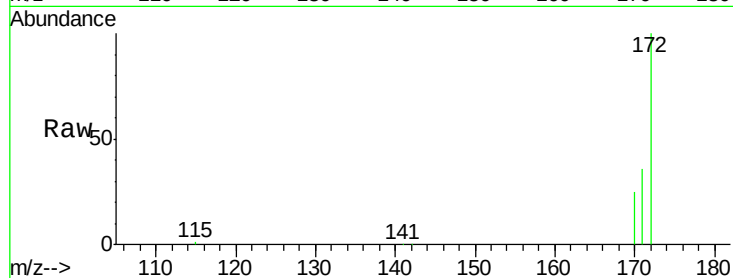




#14
2-Fluorobiphenyl
Concen: 5.36 ng
RT: 13.40 min Scan# 881
Delta R.T. -0.02 min
Lab File: BE092696.D
Acq: 31 Jan 2017 20:50

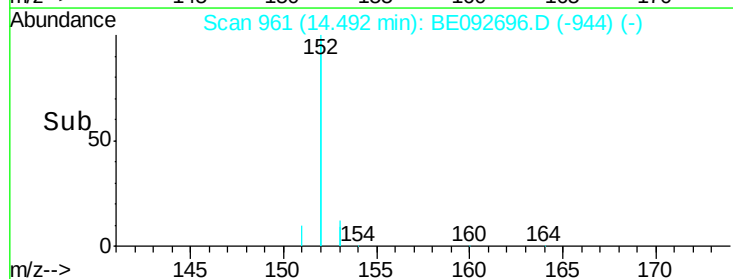
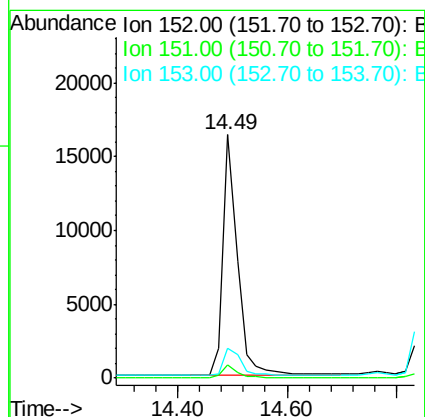
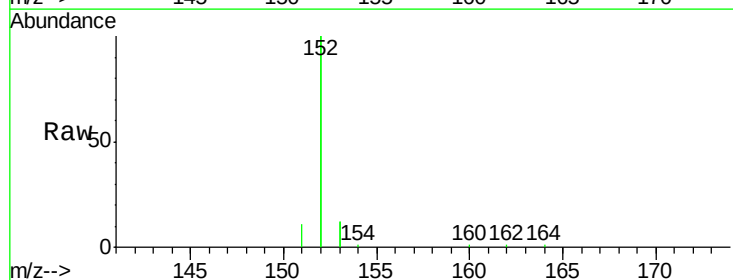
Instrument :
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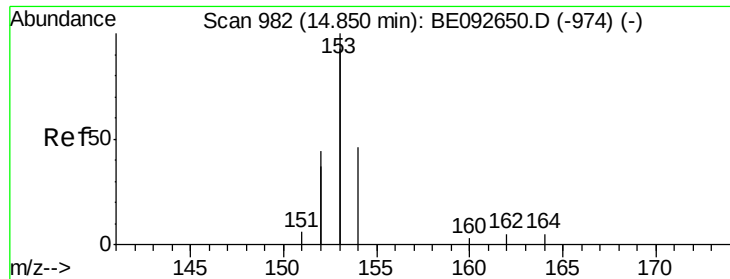
Tgt Ion:172 Resp: 39884
Ion Ratio Lower Upper
172 100
171 36.3 30.1 45.1
170 25.2 21.8 32.6



#15
Acenaphthylene
Concen: 0.71 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092696.D
Acq: 31 Jan 2017 20:50

Tgt Ion:152 Resp: 29683
Ion Ratio Lower Upper
152 100
151 4.9 3.9 5.9
153 13.2 10.4 15.6





#16

Acenaphthene

Concen: 0.24 ng

RT: 14.85 min Scan# 982

Delta R.T. 0.00 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SB-01A

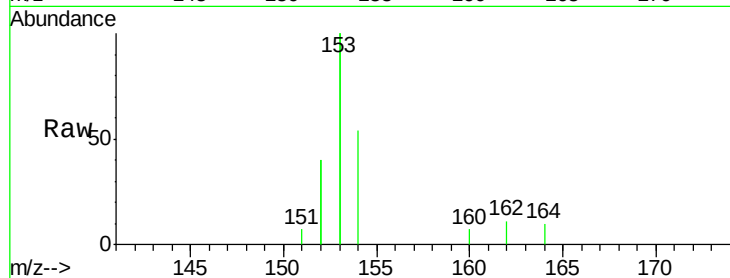
Tgt Ion:154 Resp: 1610

Ion Ratio Lower Upper

154 100

153 419.0 350.8 526.2

152 219.7 171.1 256.7

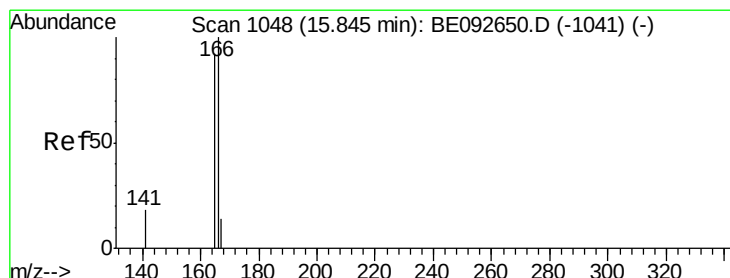
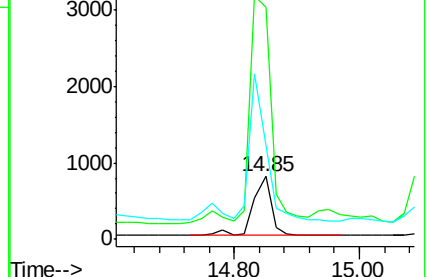
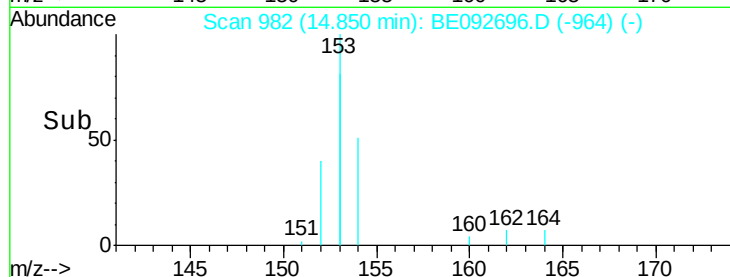


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



#17

Fluorene

Concen: 0.16 ng

RT: 15.83 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

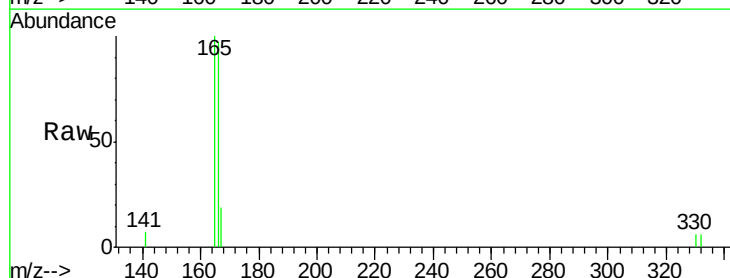
Tgt Ion:166 Resp: 1384

Ion Ratio Lower Upper

166 100

165 95.9 78.2 117.4

167 16.2 11.0 16.4

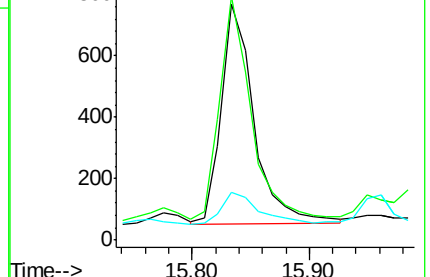
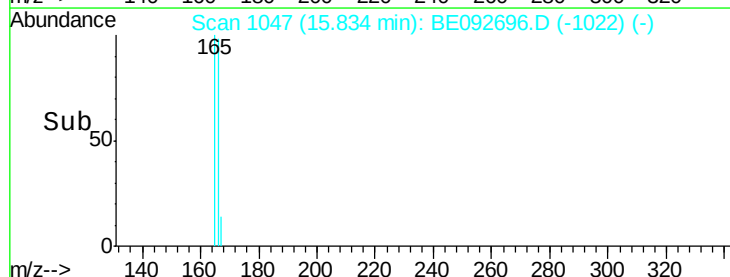


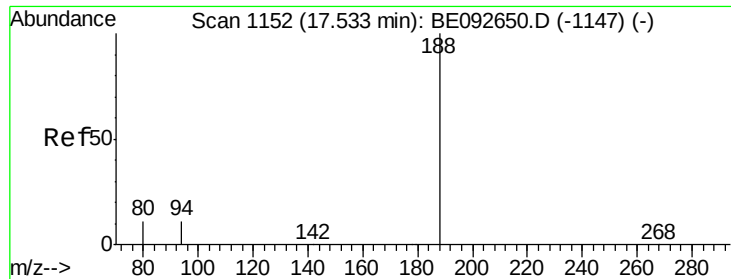
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SB-01A

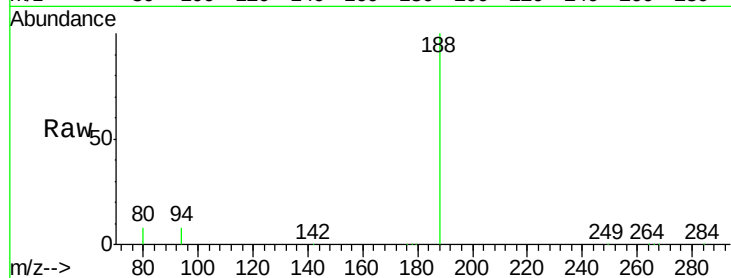
Tgt Ion:188 Resp: 68037

Ion Ratio Lower Upper

188 100

94 8.3 3.2 4.8#

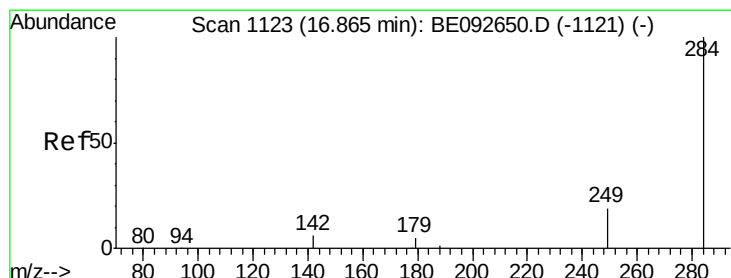
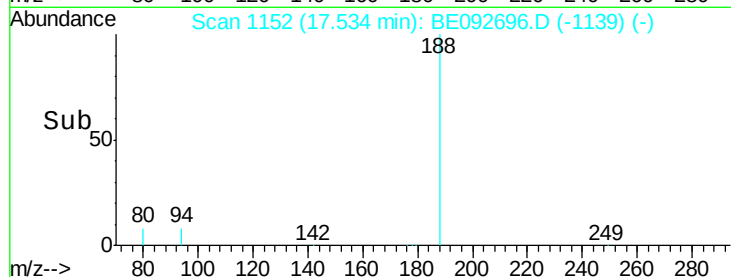
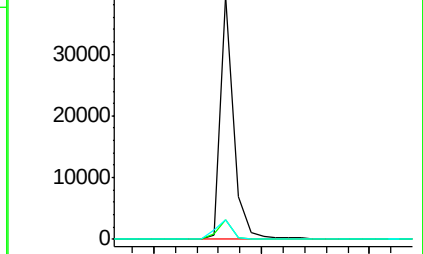
80 7.9 2.6 3.8#



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: 0.04 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

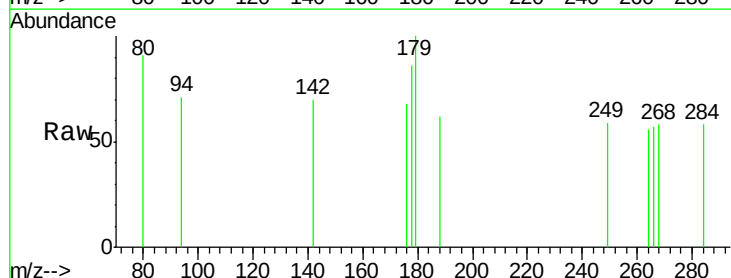
Tgt Ion:284 Resp: 292

Ion Ratio Lower Upper

284 100

142 222.6 29.1 43.7#

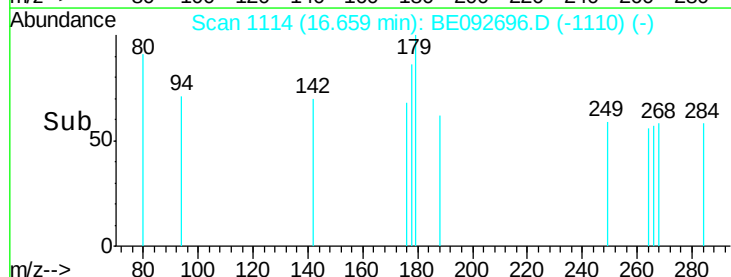
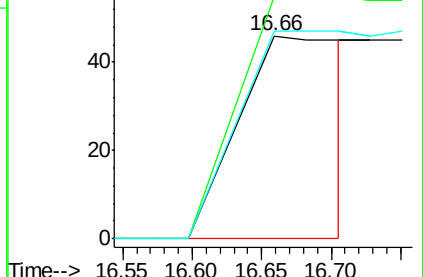
249 125.3 27.9 41.9#

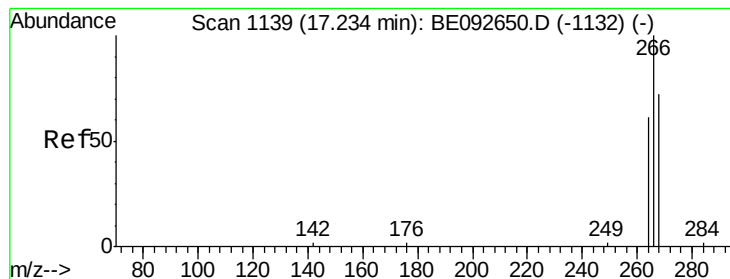


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#20

Pentachlorophenol

Concen: 0.03 ng

RT: 17.26 min Scan# 1140

Delta R.T. 0.02 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SB-01A

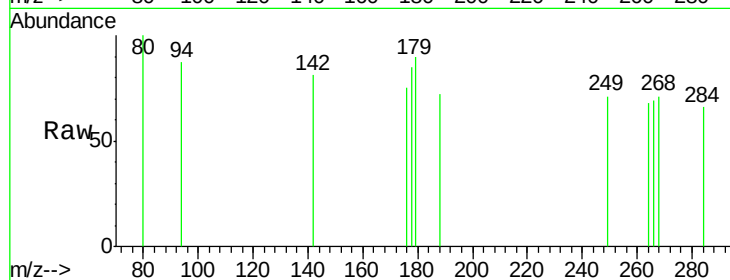
Tgt Ion: 266 Resp: 18

Ion Ratio Lower Upper

266 100

268 102.1 62.5 93.7#

264 97.9 57.2 85.8#

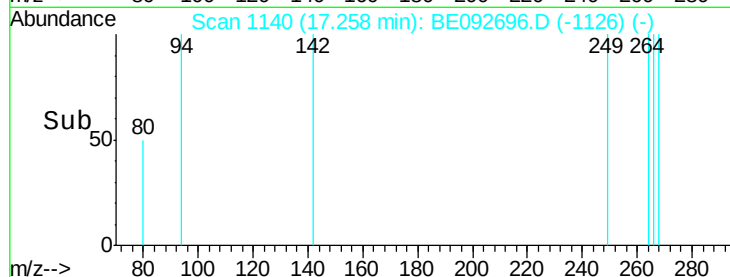


Abundance Ion 265.70 (265.40 to 266.40): E

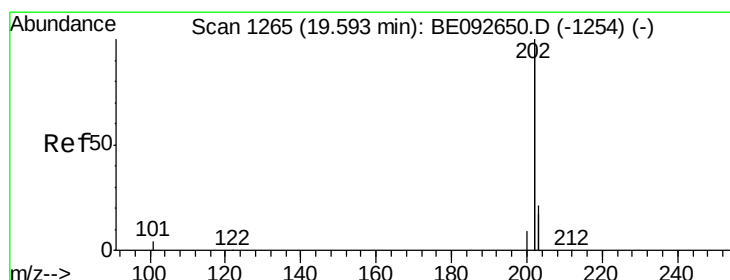
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

17.26



Time-->



#23

Fluoranthene

Concen: 0.07 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

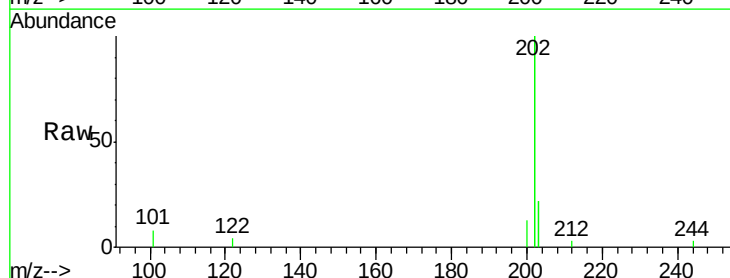
Tgt Ion: 202 Resp: 4633

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

203 16.9 13.7 20.5

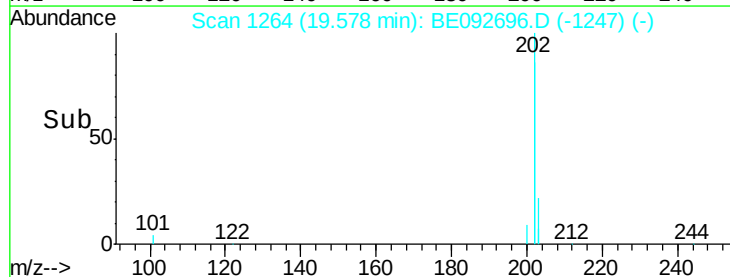


Abundance Ion 202.00 (201.70 to 202.70): E

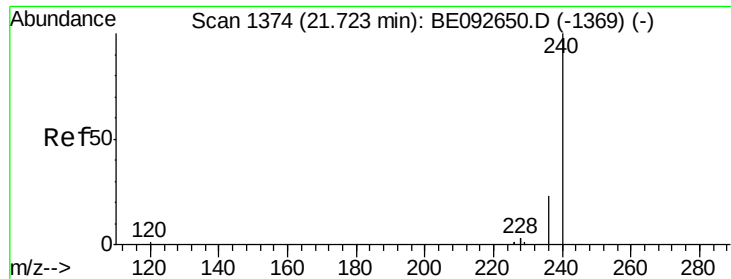
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.58



Time-->



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SB-01A

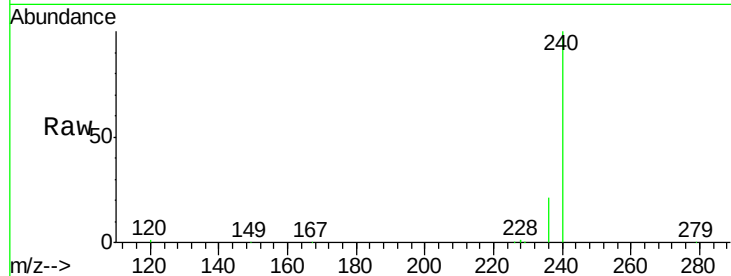
Tgt Ion:240 Resp: 70449

Ion Ratio Lower Upper

240 100

120 1.2 2.6 4.0#

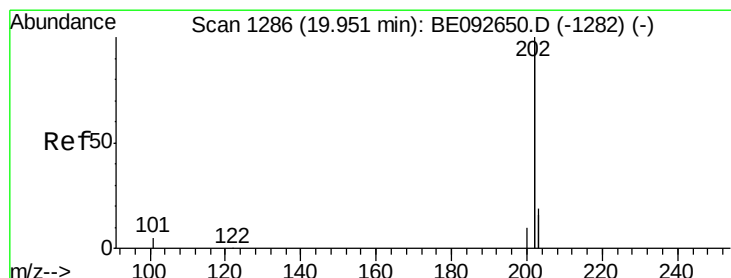
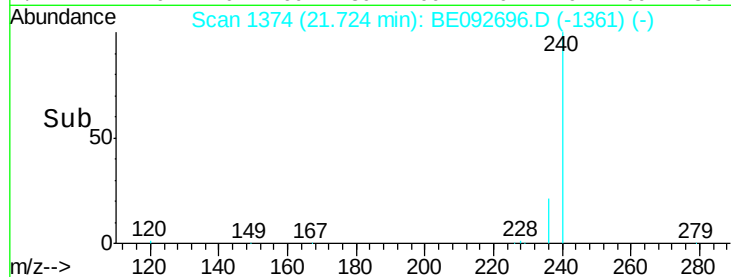
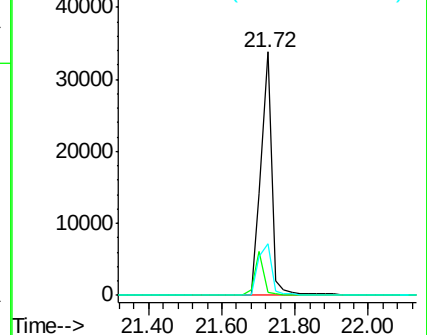
236 21.4 24.6 37.0#



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: 0.07 ng

RT: 19.94 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

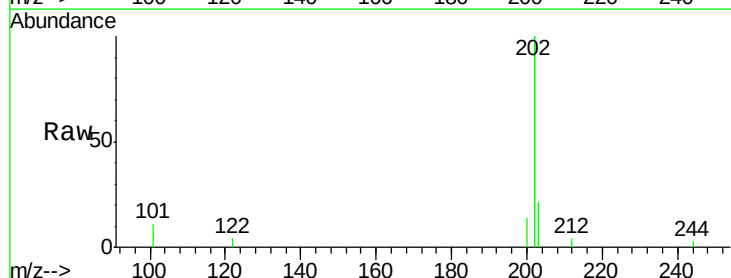
Tgt Ion:202 Resp: 4981

Ion Ratio Lower Upper

202 100

200 5.3 4.2 6.4

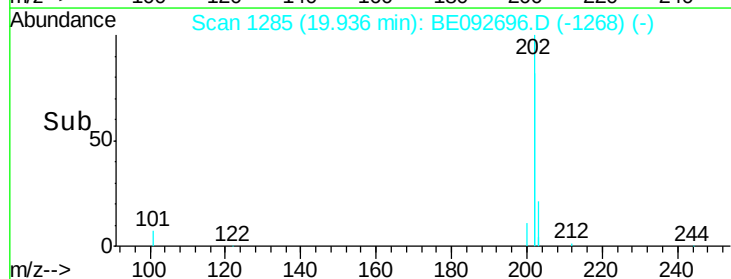
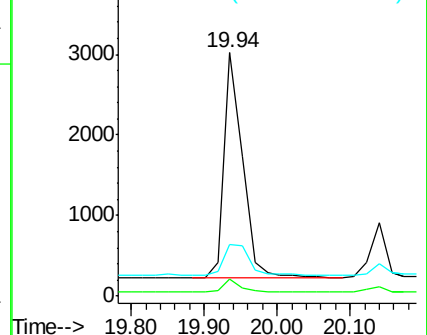
203 18.8 13.9 20.9

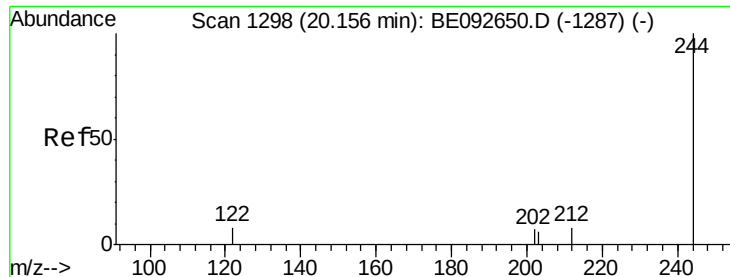


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#26

Terphenyl-d14

Concen: 6.81 ng

RT: 20.14 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

Instrument :

BNA_E

ClientSampleId :

SB-01A

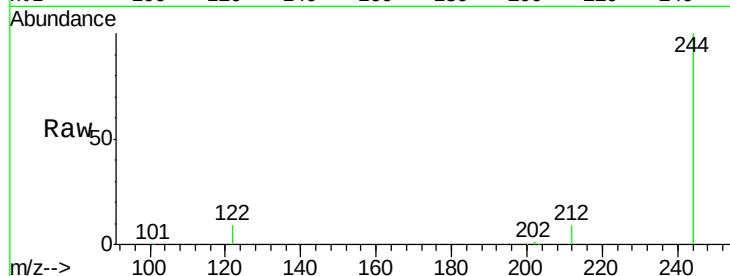
Tgt Ion:244 Resp: 67832

Ion Ratio Lower Upper

244 100

212 9.3 6.7 10.1

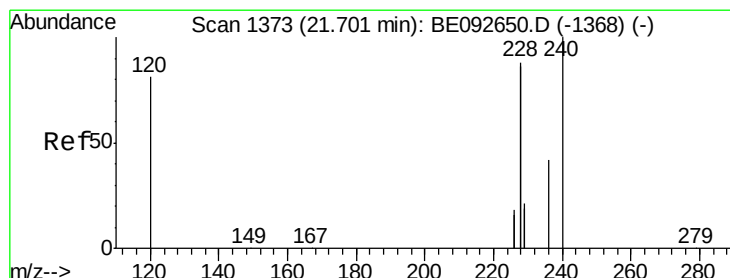
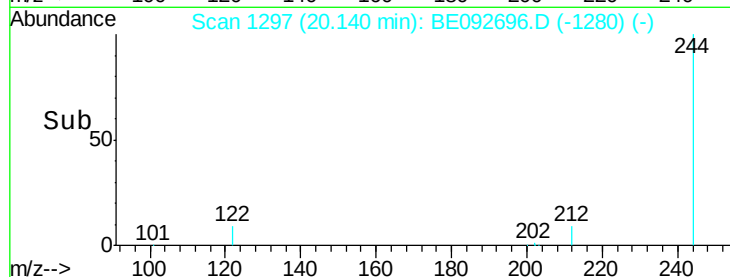
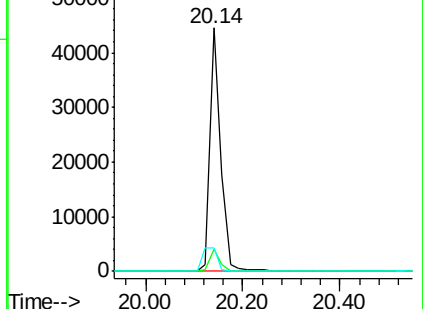
122 9.5 3.6 5.4#



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: 0.02 ng

RT: 21.70 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092696.D

Acq: 31 Jan 2017 20:50

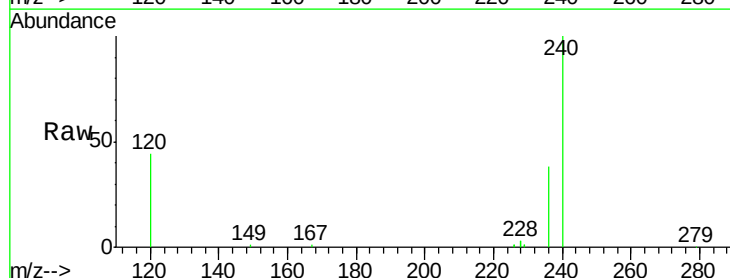
Tgt Ion:228 Resp: 1486

Ion Ratio Lower Upper

228 100

226 37.3 23.6 35.4#

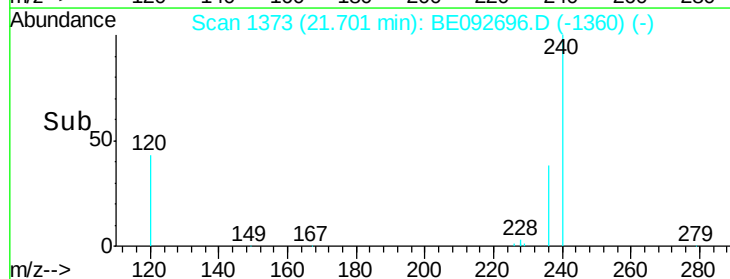
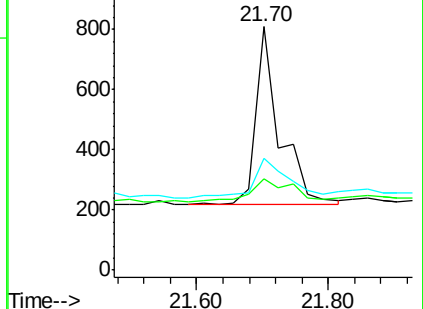
229 45.7 13.3 19.9#

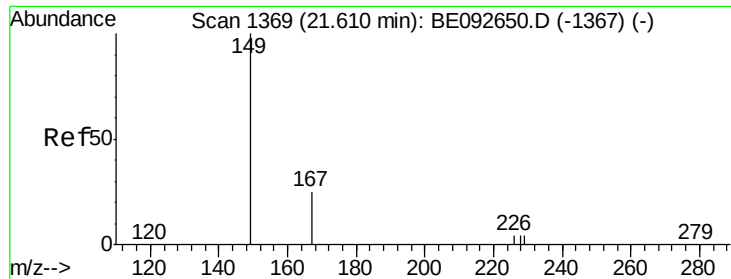


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

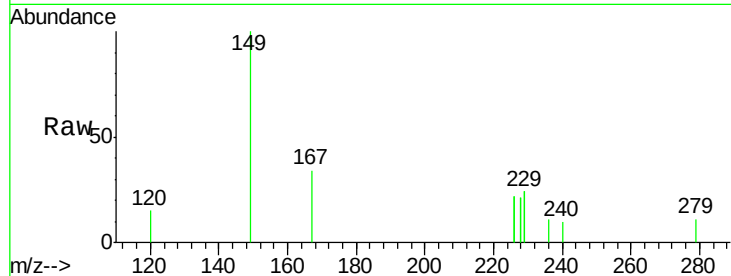




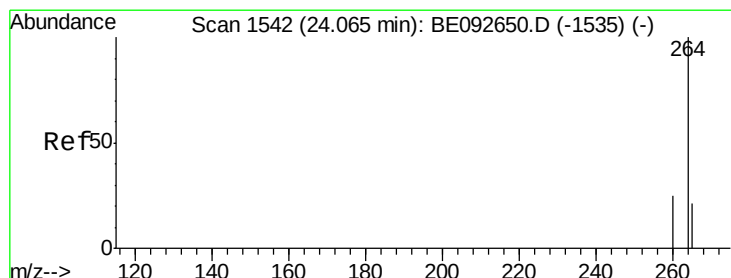
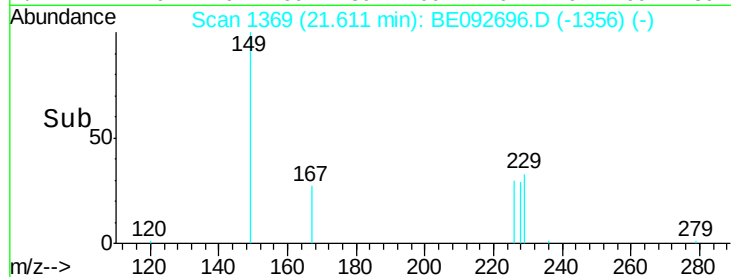
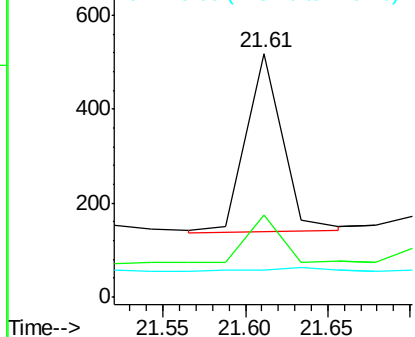
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.25 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BE092696.D
 Acq: 31 Jan 2017 20:50

Instrument :
 BNA_E
 ClientSampleId :
 SB-01A

Tgt Ion:149 Resp: 568
 Ion Ratio Lower Upper
 149 100
 167 28.7 16.0 24.0#
 279 0.0 16.0 24.0#

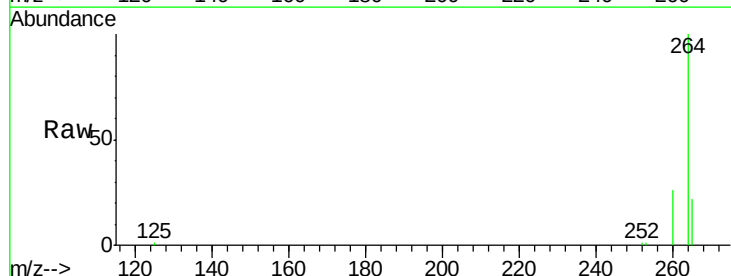


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.06 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: BE092696.D
 Acq: 31 Jan 2017 20:50

Tgt Ion:264 Resp: 48595
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.1 30.1
 265 21.6 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

