

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051616\
 Data File : BE091785.D
 Acq On : 16 May 2016 22:11
 Operator : UM/SJ
 Sample : H3065-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW014-160511

Quant Time: May 17 04:03:20 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

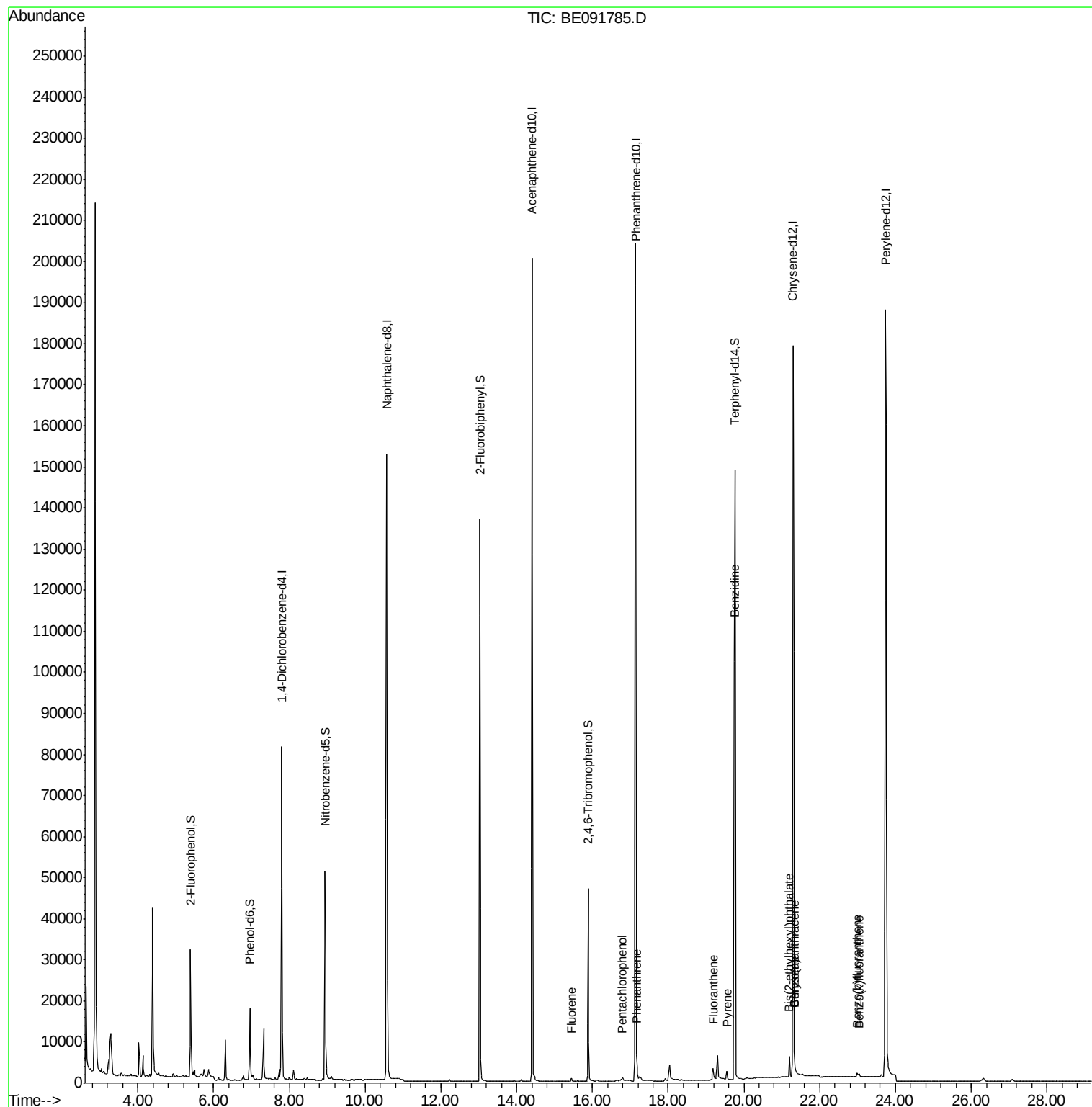
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	45230	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	222142	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	128886	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	297221	5.00	ng	0.00
26) Chrysene-d12	21.29	240	285130	5.00	ng	-0.02
35) Perylene-d12	23.74	264	286339	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	24984	2.25	ng	0.00
5) Phenol-d6	6.95	99	21024	1.43	ng	0.00
8) Nitrobenzene-d5	8.95	82	48446	3.38	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	32503	6.80	ng	-0.01
15) 2-Fluorobiphenyl	13.04	172	143047	3.92	ng	0.00
29) Terphenyl-d14	19.76	244	241761	5.44	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.33	88	215	Below Cal	#	18
18) Fluorene	15.44	166	1237	0.03 ng	#	59
22) Pentachlorophenol	16.79	266	958	0.26 ng		96
23) Phenanthrene	17.18	178	1876	0.03 ng	#	81
25) Fluoranthene	19.19	202	2071	0.03 ng	#	1
27) Benzidine	19.74	184	4316	0.35 ng	#	86
28) Pyrene	19.55	202	1963	0.03 ng		99
30) Benzo(a)anthracene	21.34	228	4068	0.06 ng	#	86
32) Chrysene	21.34	228	4061	0.06 ng	#	91
33) Bis(2-ethylhexyl)phthalate	21.20	149	5846	0.28 ng	#	88
36) Benzo(b)fluoranthene	22.99	252	1504	0.02 ng	#	22
37) Benzo(k)fluoranthene	23.04	252	1394	0.02 ng	#	17

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

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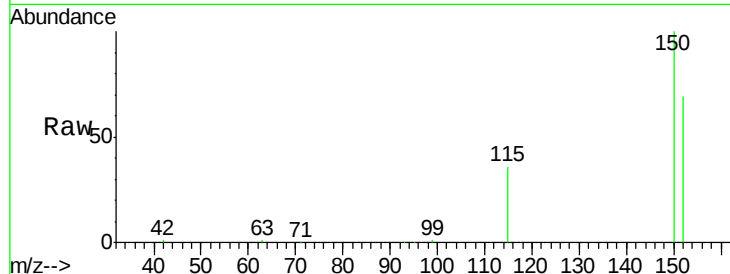




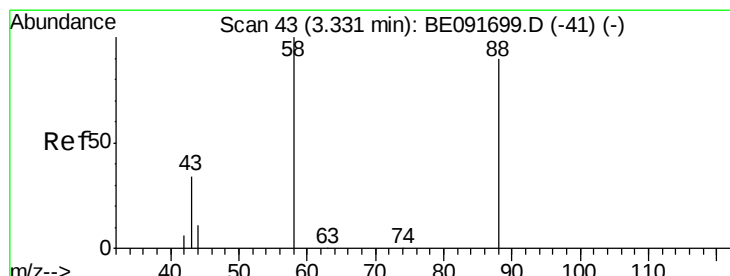
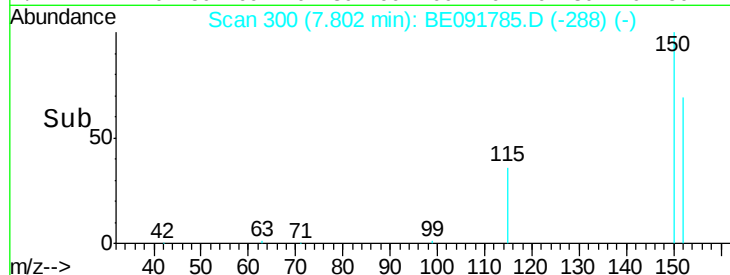
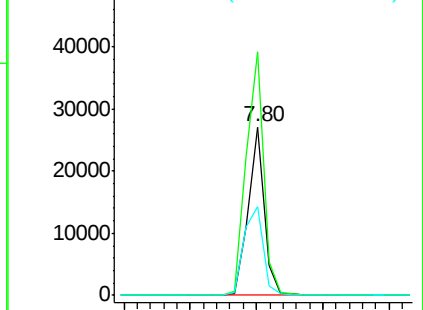
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.80 min Scan# 300
 Delta R.T. -0.00 min
 Lab File: BE091785.D
 Acq: 16 May 2016 22:11

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW014-160511

Tgt Ion: 152 Resp: 45230
 Ion Ratio Lower Upper
 152 100
 150 144.8 122.6 183.8
 115 52.4 52.8 79.2#

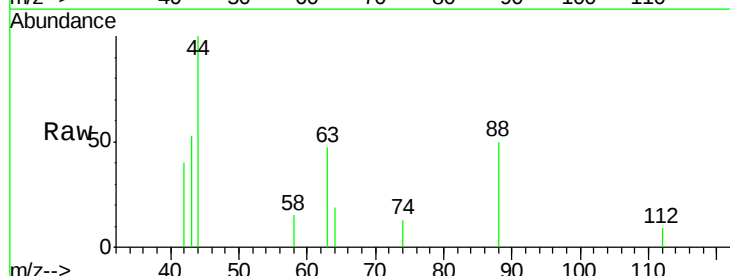


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

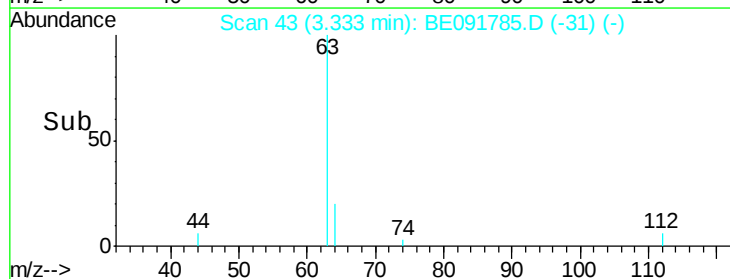
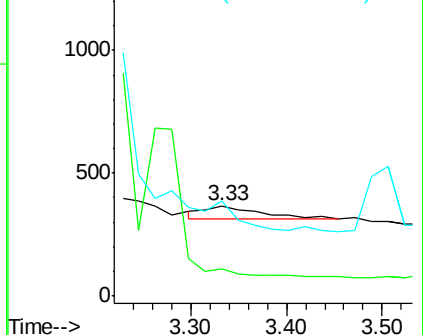


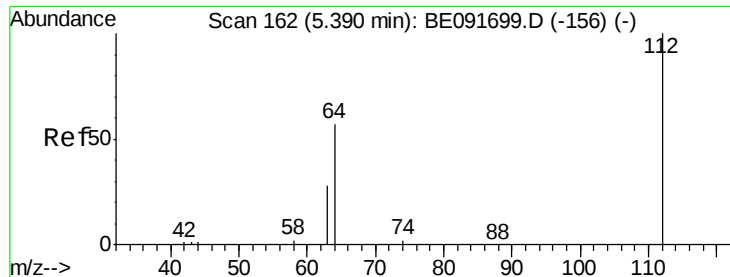
#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.33 min Scan# 43
 Delta R.T. 0.00 min
 Lab File: BE091785.D
 Acq: 16 May 2016 22:11

Tgt Ion: 88 Resp: 215
 Ion Ratio Lower Upper
 88 100
 58 0.0 65.8 98.6#
 43 0.0 25.3 37.9#



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





#4

2-Fluorophenol

Concen: 2.25 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

Instrument :

BNA_E

ClientSampleId :

SS043MW014-160511

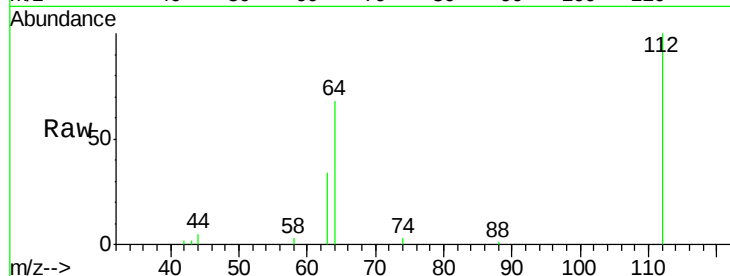
Tgt Ion: 112 Resp: 24984

Ion Ratio Lower Upper

112 100

64 66.5 30.9 46.3#

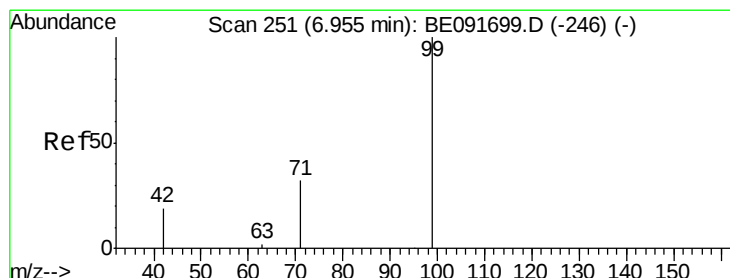
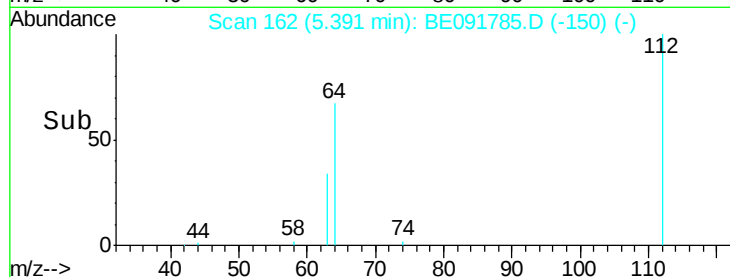
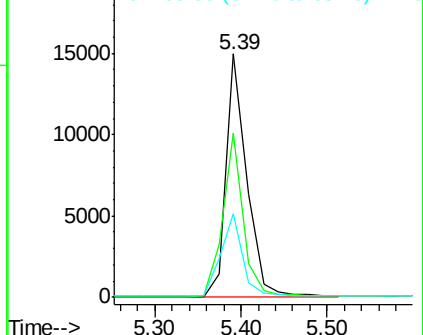
63 36.0 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE091699.D (-156) (-)

Ion 64.00 (63.70 to 64.70): BE091699.D (-156) (-)

Ion 63.00 (62.70 to 63.70): BE091699.D (-156) (-)



#5

Phenol-d6

Concen: 1.43 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

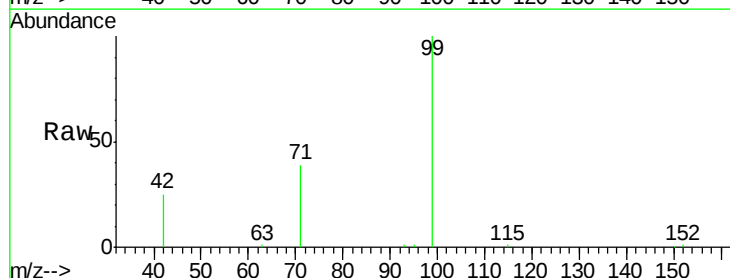
Tgt Ion: 99 Resp: 21024

Ion Ratio Lower Upper

99 100

42 24.3 16.2 24.2#

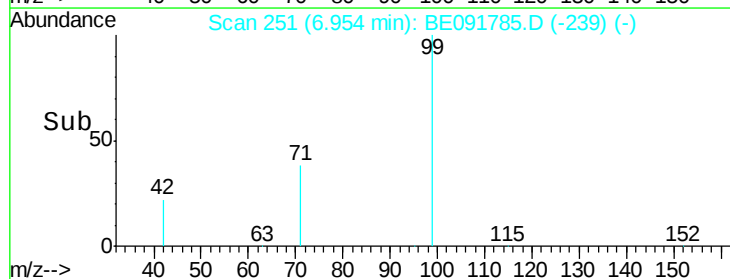
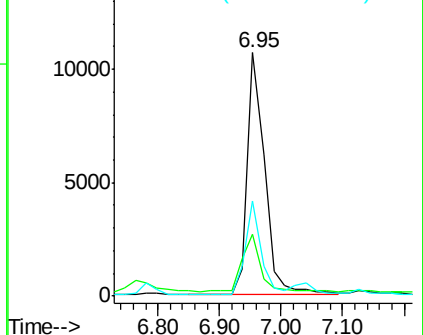
71 34.8 29.0 43.4

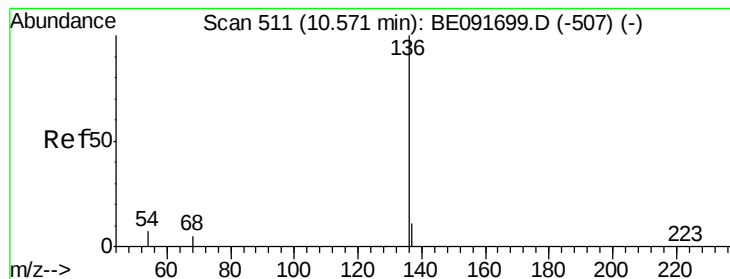


Abundance Ion 99.00 (98.70 to 99.70): BE091699.D (-246) (-)

Ion 42.00 (41.70 to 42.70): BE091699.D (-246) (-)

Ion 71.00 (70.70 to 71.70): BE091699.D (-246) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

Instrument :

BNA_E

ClientSampleId :

SS043MW014-160511

Tgt Ion: 136 Resp: 222142

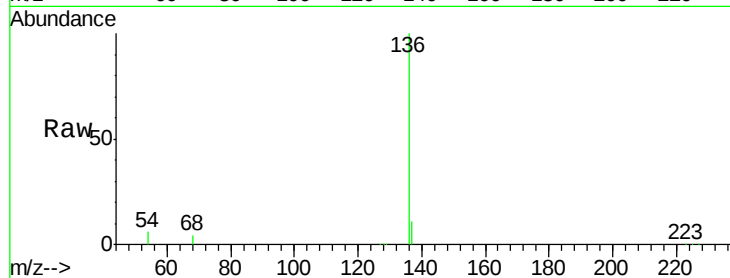
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 5.6 8.2 12.4#

68 4.5 6.2 9.4#

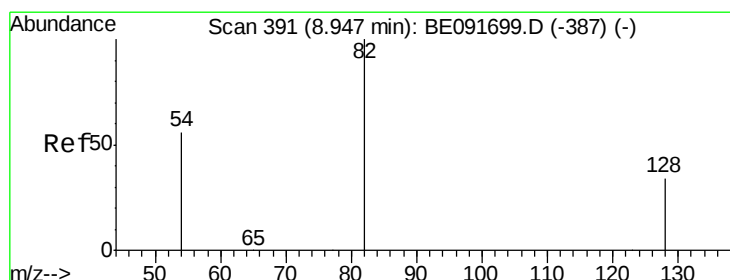
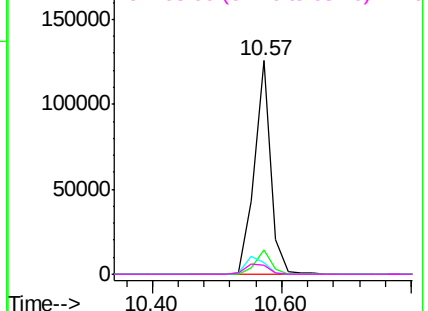
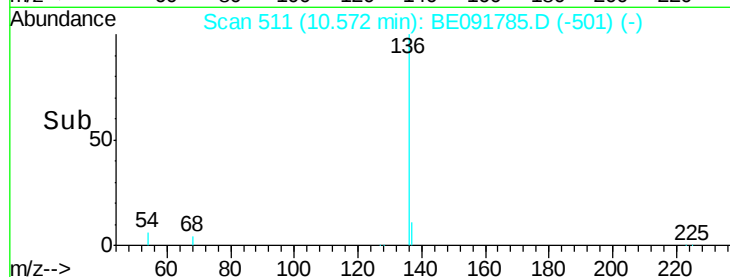


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.38 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

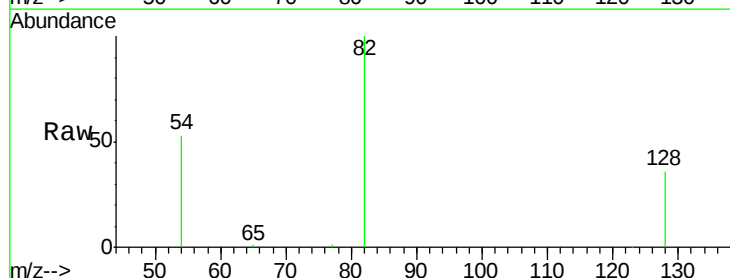
Tgt Ion: 82 Resp: 48446

Ion Ratio Lower Upper

82 100

128 35.5 25.4 38.0

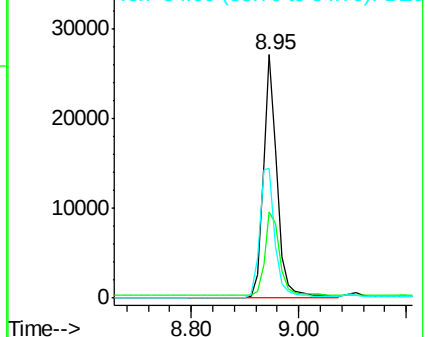
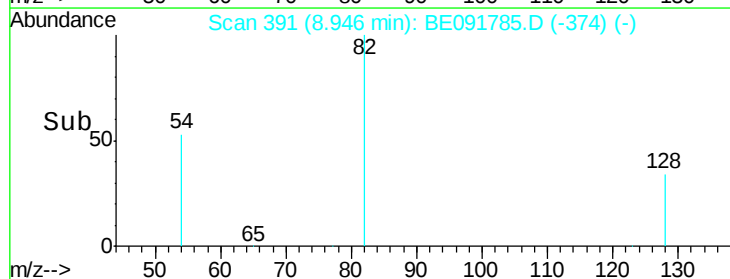
54 53.3 48.4 72.6

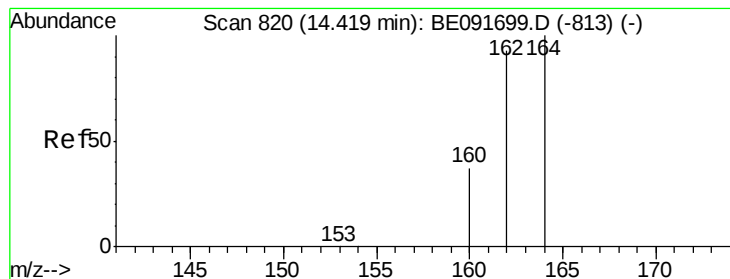


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

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ClientSampleId :

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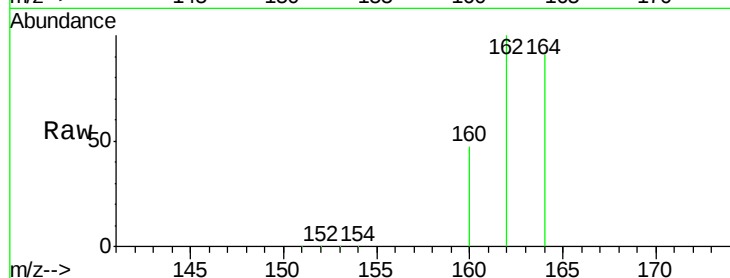
Tgt Ion:164 Resp: 128886

Ion Ratio Lower Upper

164 100

162 110.0 85.3 127.9

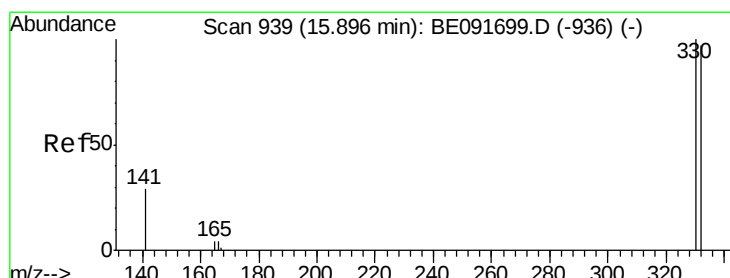
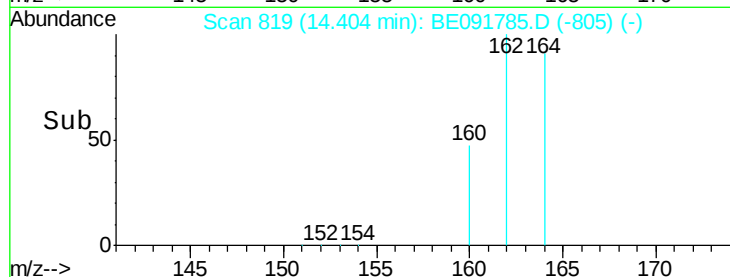
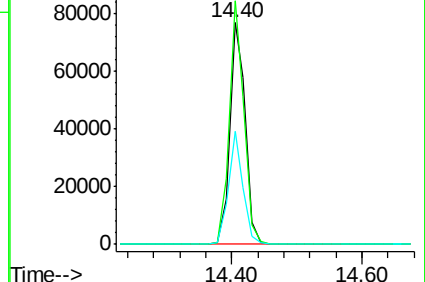
160 51.3 46.2 69.2



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

2,4,6-Tribromophenol

Concen: 6.80 ng

RT: 15.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

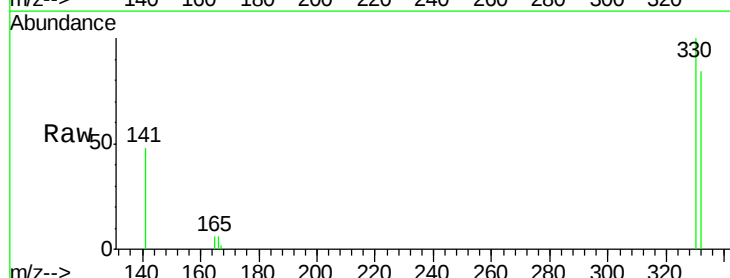
Tgt Ion:330 Resp: 32503

Ion Ratio Lower Upper

330 100

332 97.3 79.1 118.7

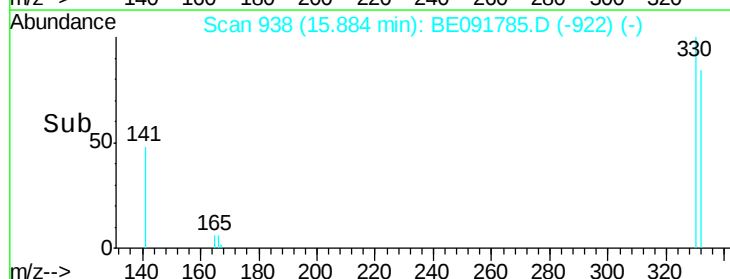
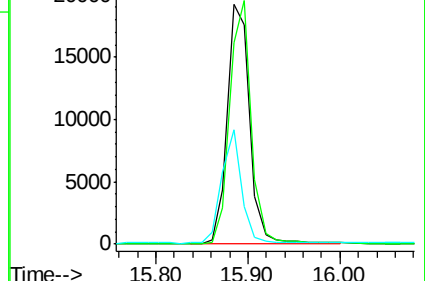
141 41.9 125.4 188.0#

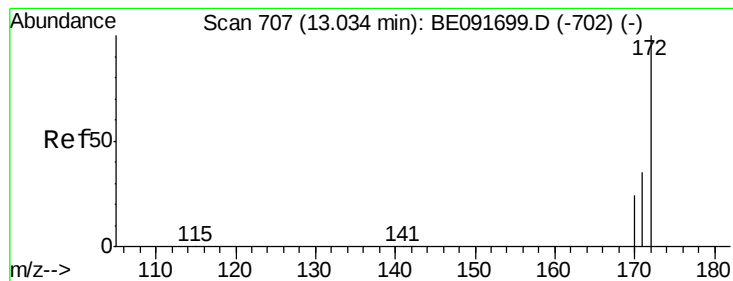


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 3.92 ng

RT: 13.04 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

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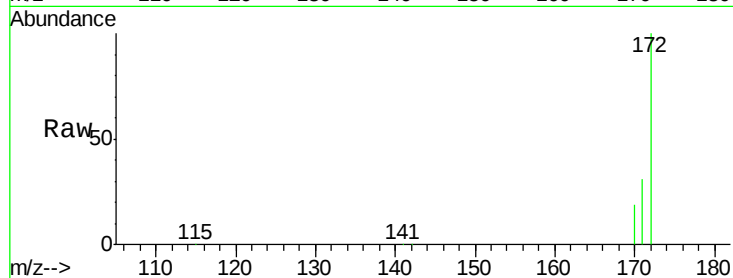
Tgt Ion:172 Resp: 143047

Ion Ratio Lower Upper

172 100

171 31.3 28.8 43.2

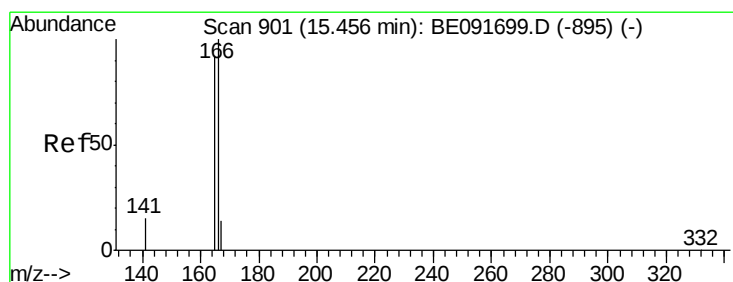
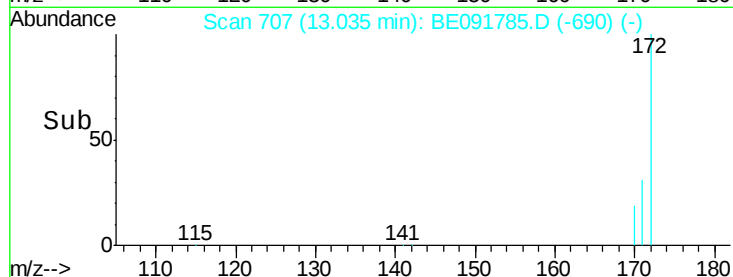
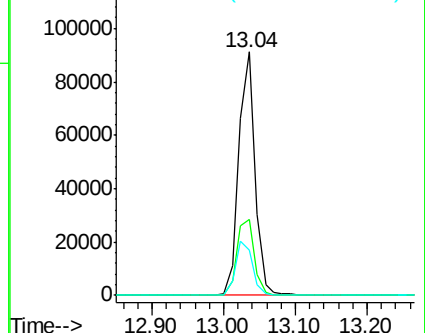
170 18.7 19.3 28.9#



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

Fluorene

Concen: 0.03 ng

RT: 15.44 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

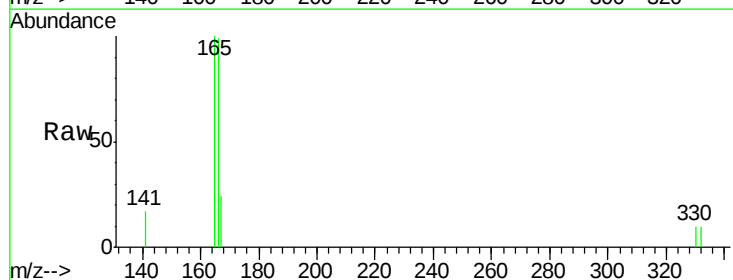
Tgt Ion:166 Resp: 1237

Ion Ratio Lower Upper

166 100

165 54.1 80.8 121.2#

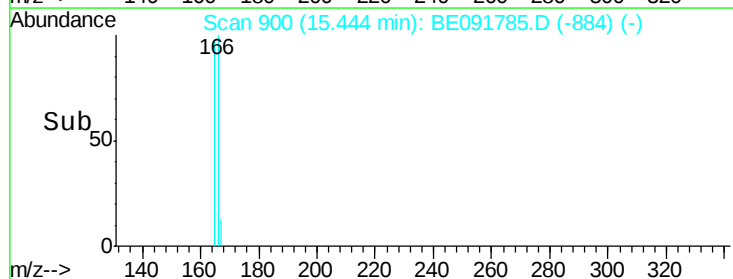
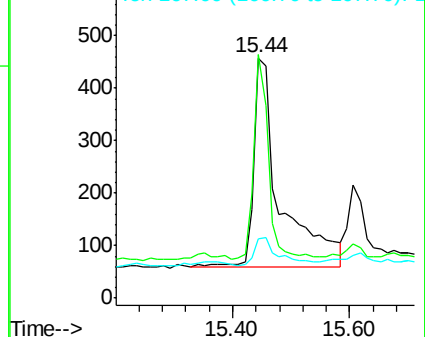
167 12.4 10.9 16.3

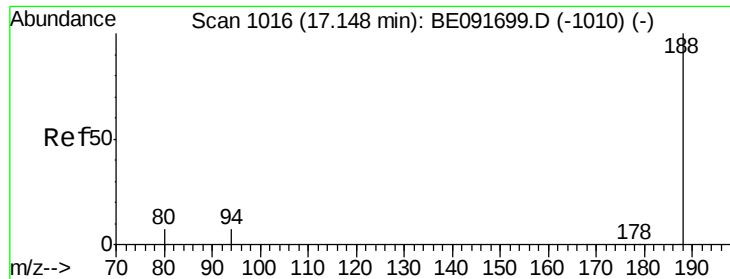


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

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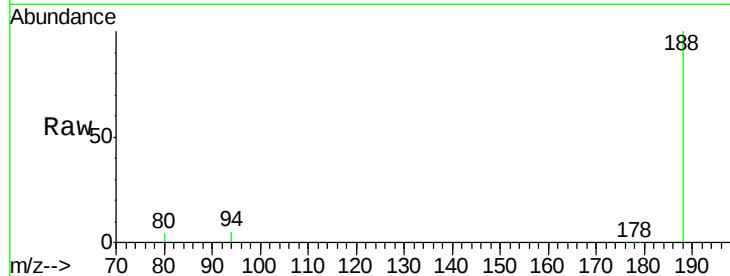
Tgt Ion:188 Resp: 297221

Ion Ratio Lower Upper

188 100

94 4.7 8.7 13.1#

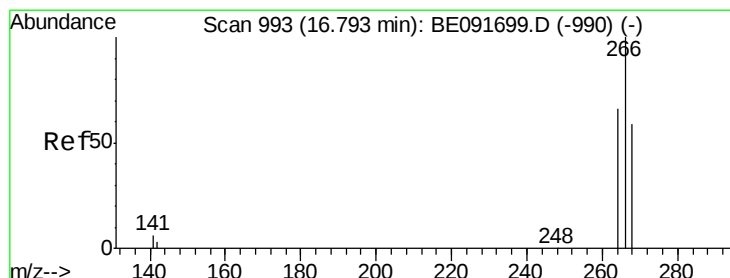
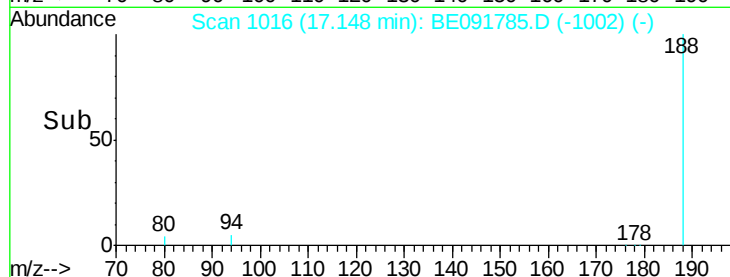
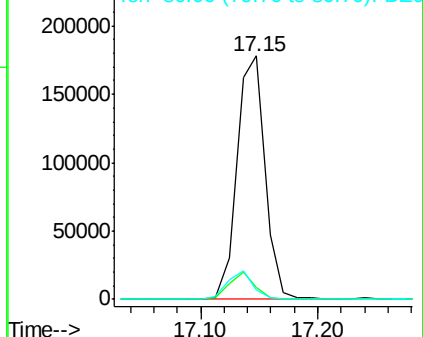
80 3.9 9.4 14.0#



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



#22

Pentachlorophenol

Concen: 0.26 ng

RT: 16.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

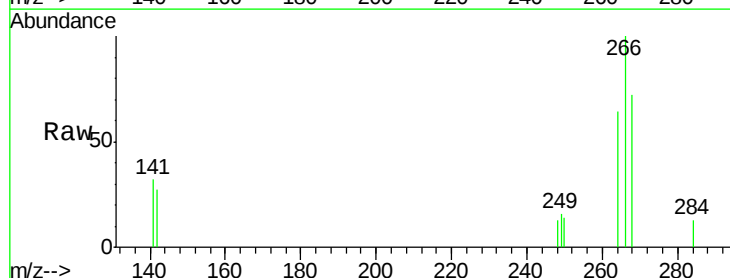
Tgt Ion:266 Resp: 958

Ion Ratio Lower Upper

266 100

268 72.2 58.2 87.2

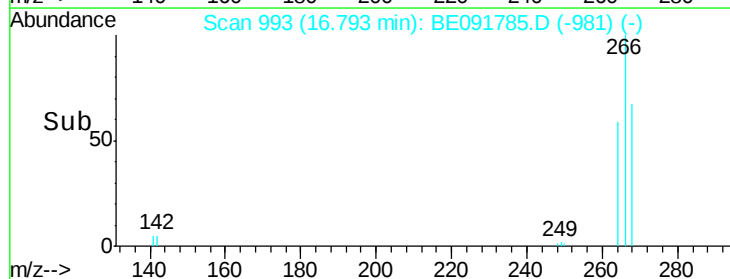
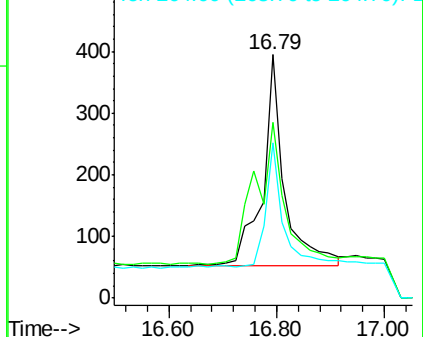
264 63.8 56.2 84.4

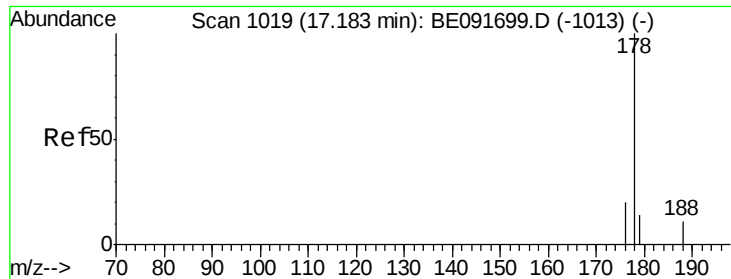


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.03 ng

RT: 17.18 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

Instrument :

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SS043MW014-160511

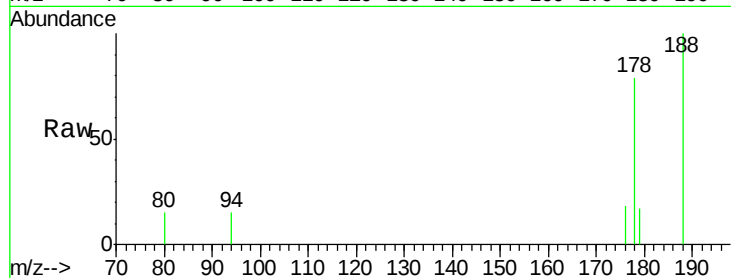
Tgt Ion:178 Resp: 1876

Ion Ratio Lower Upper

178 100

176 17.6 15.3 22.9

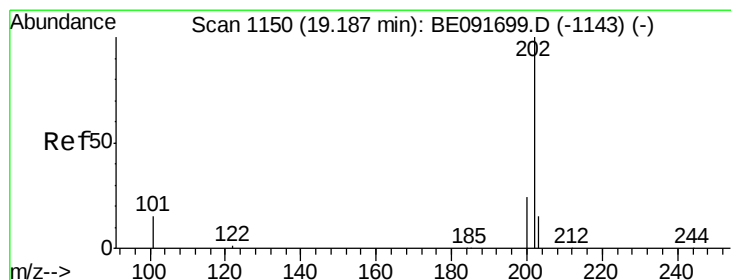
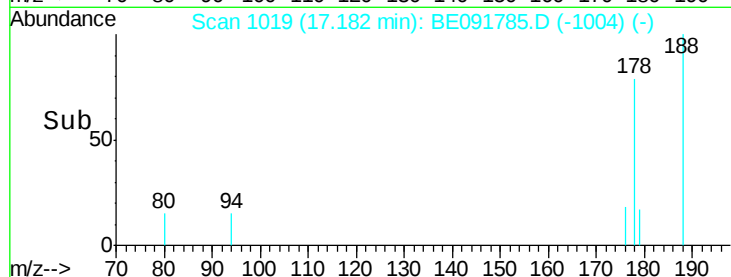
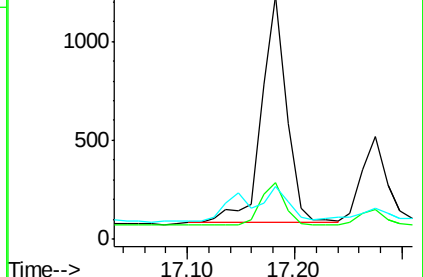
179 0.0 12.6 18.8#



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



#25

Fluoranthene

Concen: 0.03 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

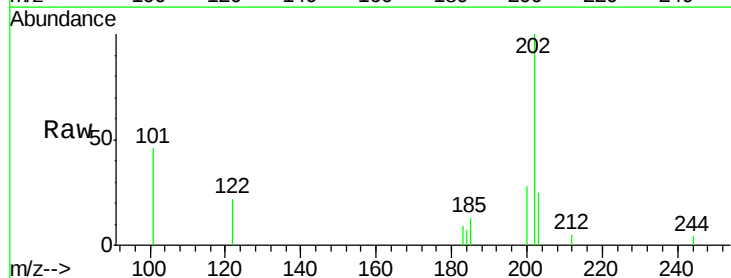
Tgt Ion:202 Resp: 2071

Ion Ratio Lower Upper

202 100

101 123.8 11.0 16.6#

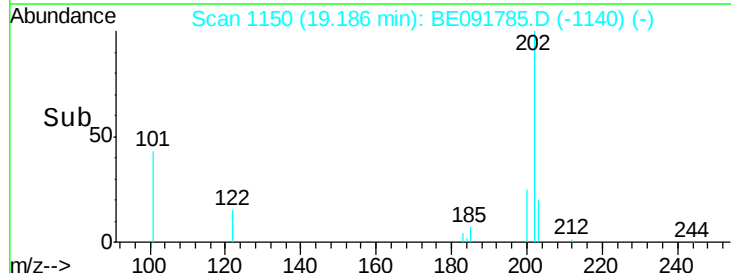
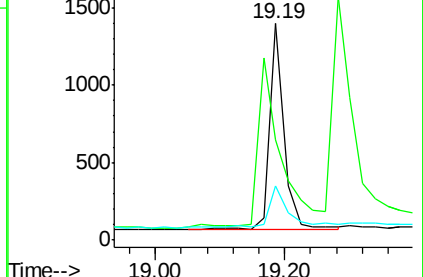
203 27.4 13.9 20.9#

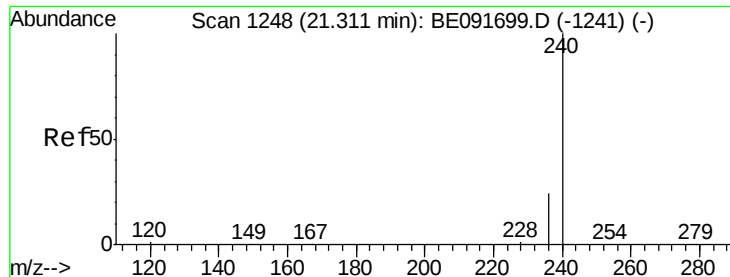


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

Instrument :

BNA_E

ClientSampleId :

SS043MW014-160511

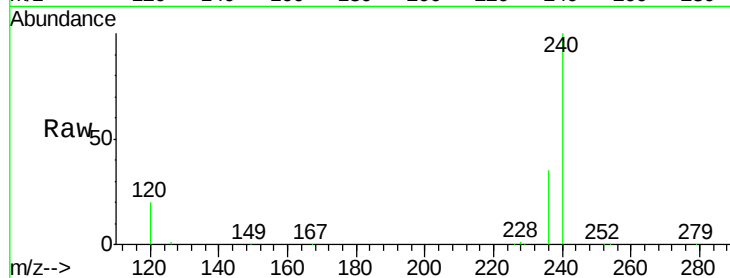
Tgt Ion:240 Resp: 285130

Ion Ratio Lower Upper

240 100

120 20.4 11.0 16.4#

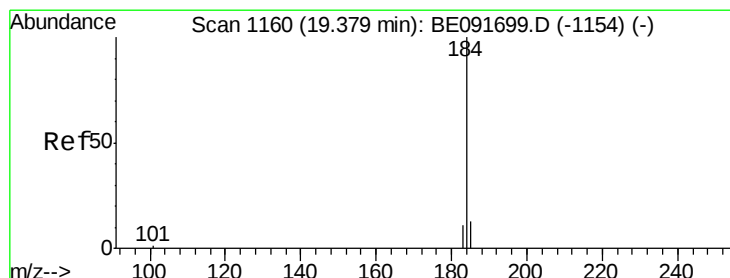
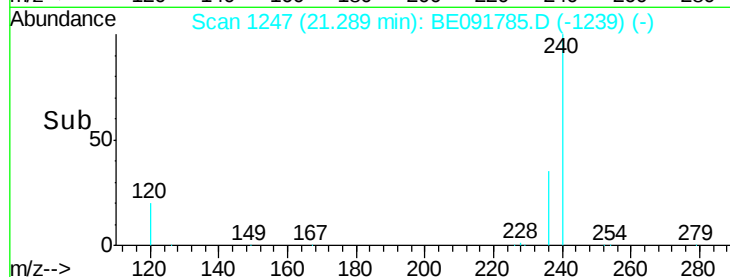
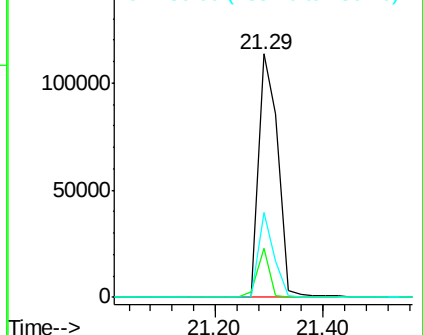
236 34.7 21.7 32.5#



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



#27

Benzidine

Concen: 0.35 ng

RT: 19.74 min Scan# 1179

Delta R.T. 0.37 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

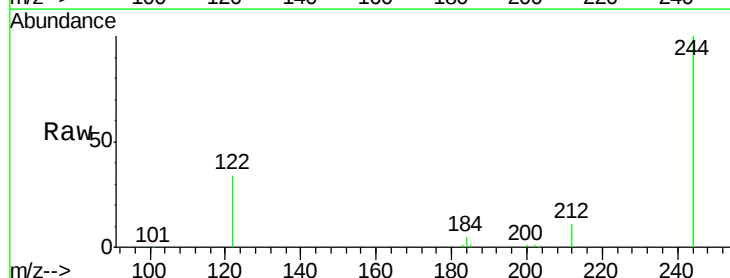
Tgt Ion:184 Resp: 4316

Ion Ratio Lower Upper

184 100

185 19.6 22.3 33.5#

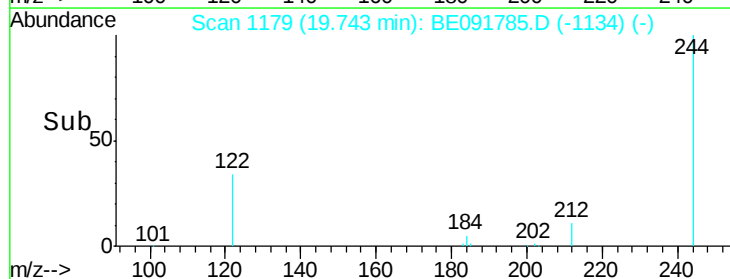
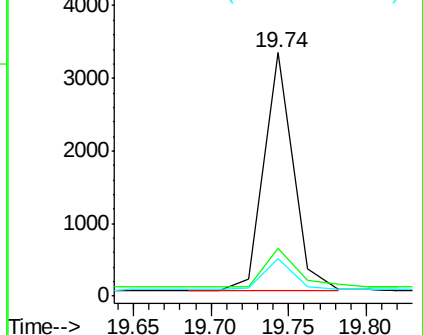
183 15.5 16.4 24.6#

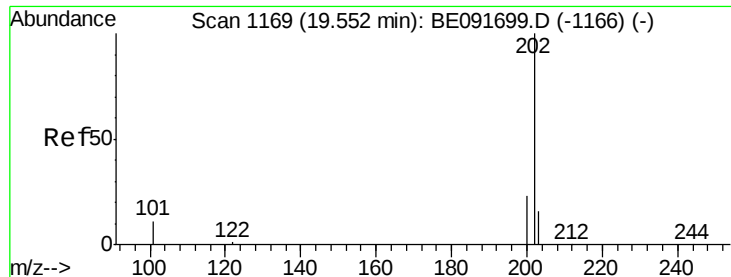


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#28

Pyrene

Concen: 0.03 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

Instrument :

BNA_E

ClientSampleId :

SS043MW014-160511

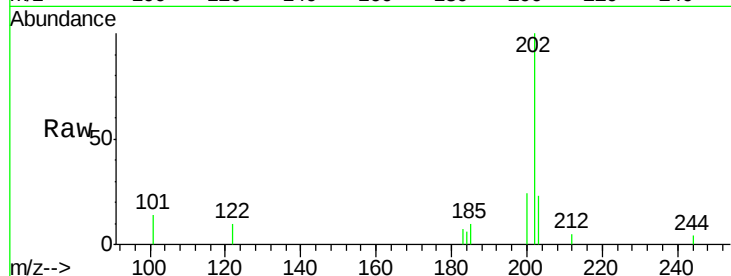
Tgt Ion:202 Resp: 1963

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

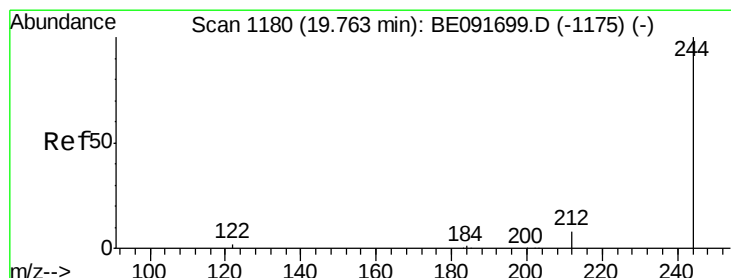
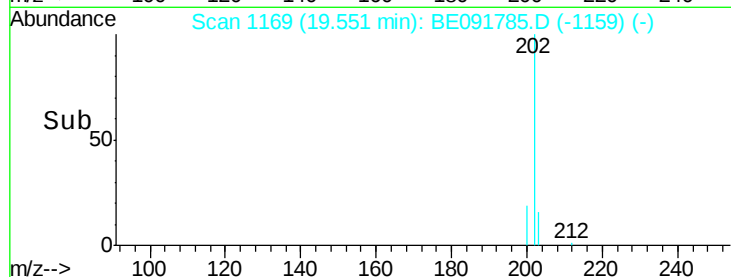
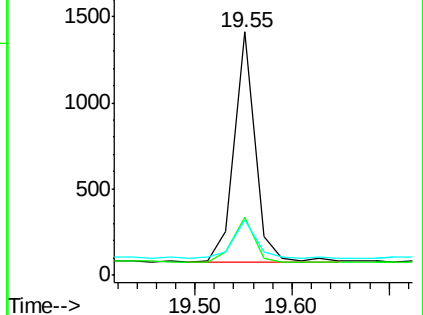
203 18.9 14.0 21.0



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



#29

Terphenyl-d14

Concen: 5.44 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

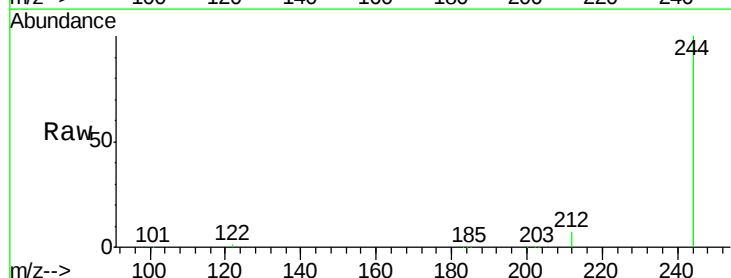
Tgt Ion:244 Resp: 241761

Ion Ratio Lower Upper

244 100

212 6.7 6.9 10.3#

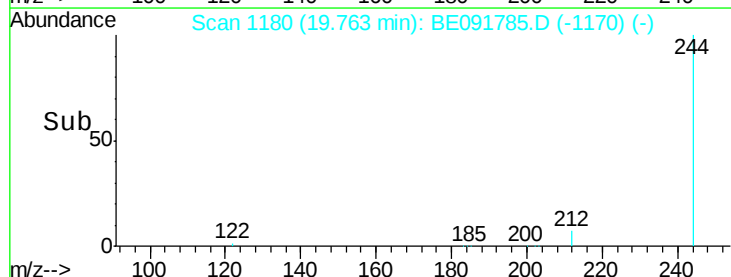
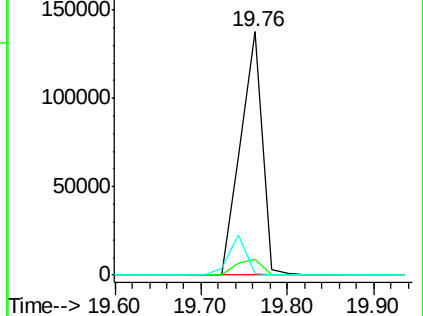
122 0.7 11.0 16.4#

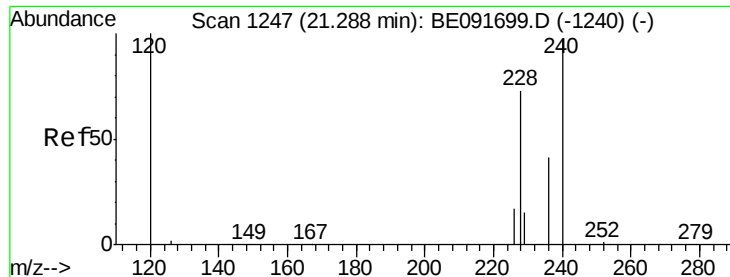


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.06 ng

RT: 21.34 min Scan# 1249

Delta R.T. 0.05 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

Instrument :

BNA_E

ClientSampleId :

SS043MW014-160511

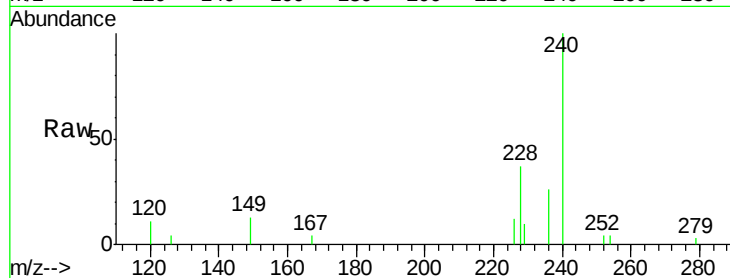
Tgt Ion:228 Resp: 4068

Ion Ratio Lower Upper

228 100

226 32.0 21.0 31.4#

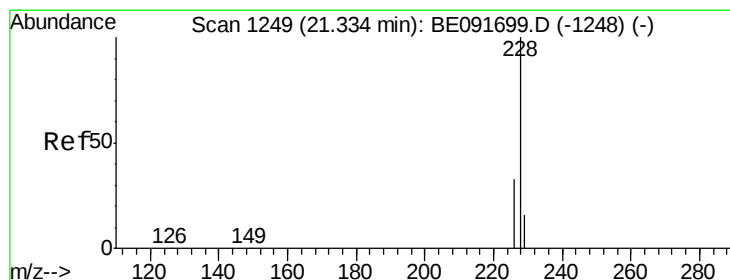
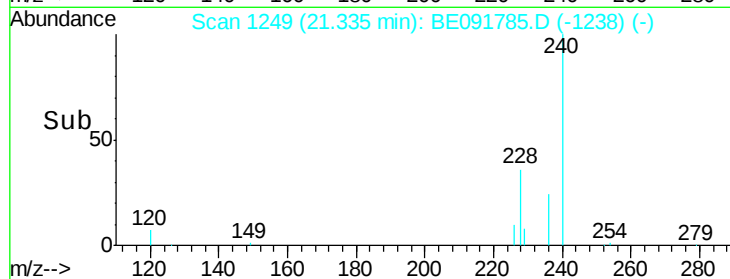
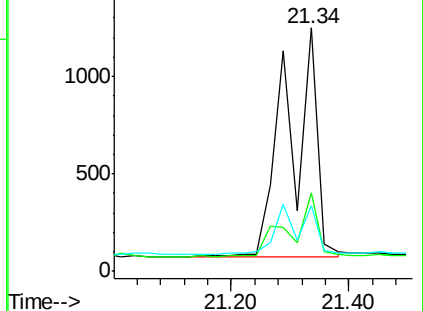
229 27.1 15.7 23.5#



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



#32

Chrysene

Concen: 0.06 ng

RT: 21.34 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

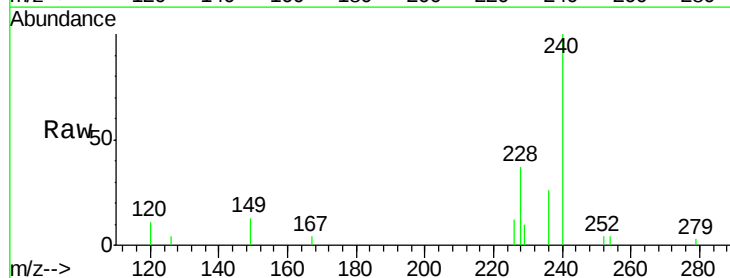
Tgt Ion:228 Resp: 4061

Ion Ratio Lower Upper

228 100

226 32.0 24.0 36.0

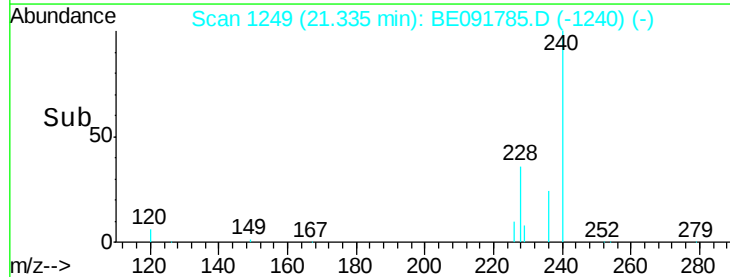
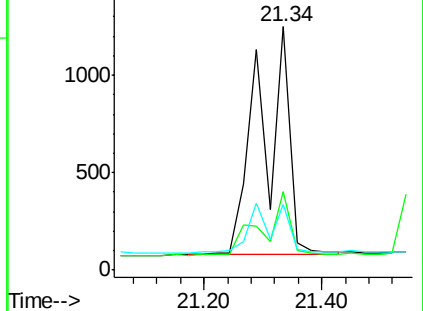
229 27.1 15.9 23.9#

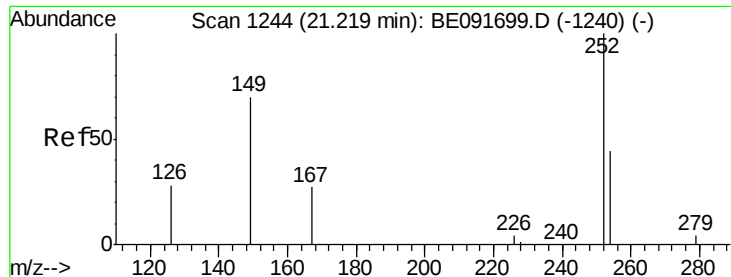


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

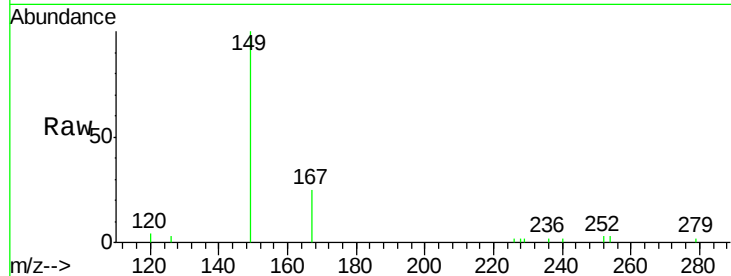




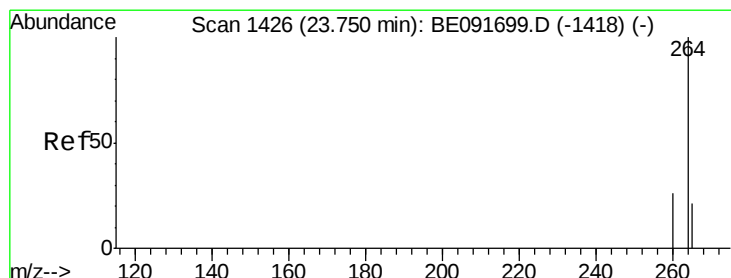
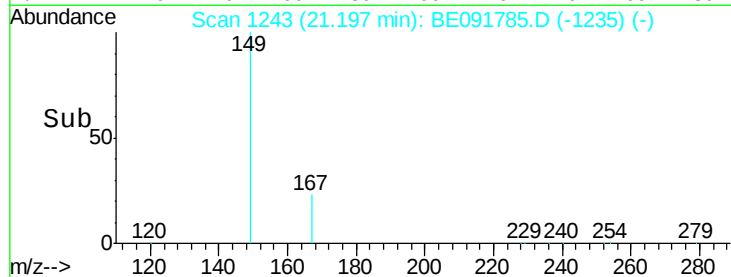
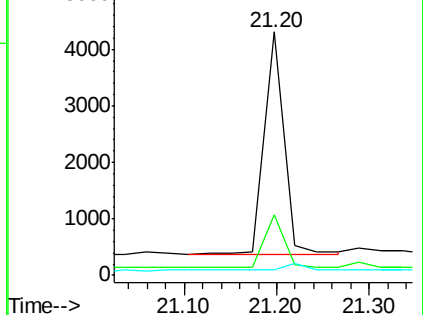
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.28 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091785.D
 Acq: 16 May 2016 22:11

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW014-160511

Tgt Ion:149 Resp: 5846
 Ion Ratio Lower Upper
 149 100
 167 23.5 19.5 29.3
 279 0.0 10.0 15.0#

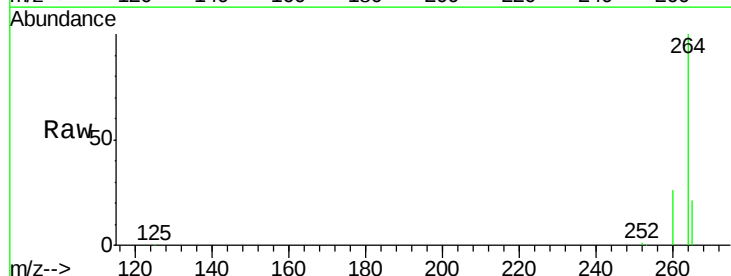


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

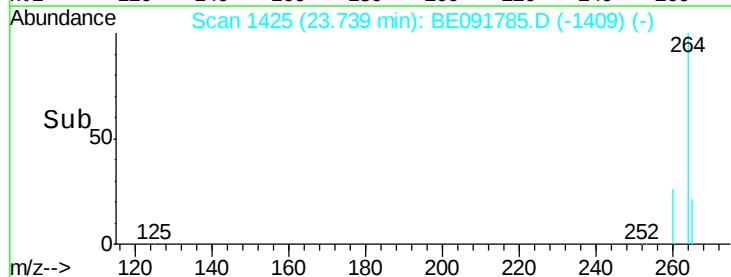
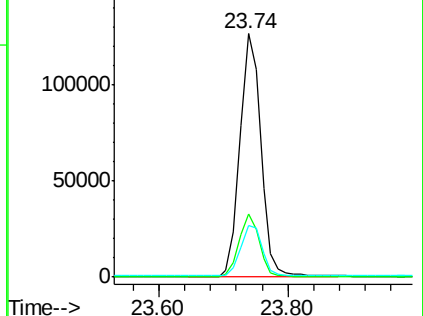


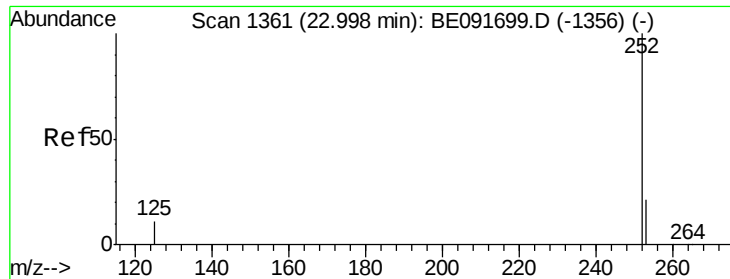
#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.74 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BE091785.D
 Acq: 16 May 2016 22:11

Tgt Ion:264 Resp: 286339
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.0 30.0
 265 21.2 17.5 26.3



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





#36

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.99 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

Instrument :

BNA_E

ClientSampleId :

SS043MW014-160511

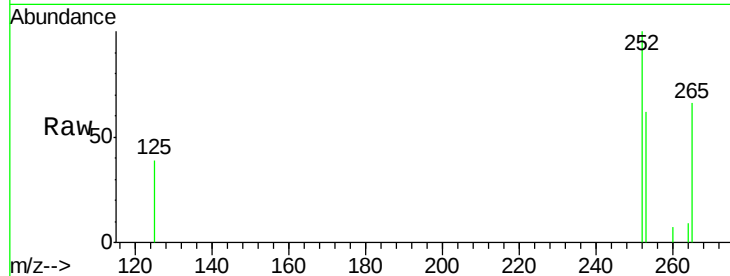
Tgt Ion:252 Resp: 1504

Ion Ratio Lower Upper

252 100

253 61.7 17.4 26.0#

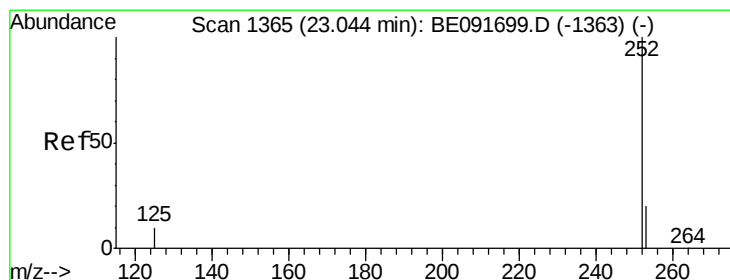
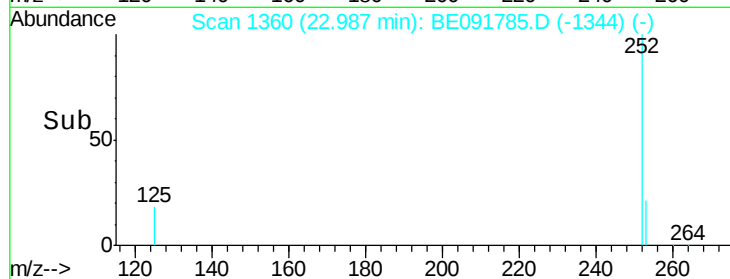
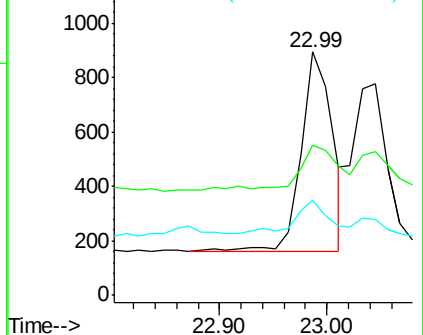
125 39.1 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 23.04 min Scan# 1365

Delta R.T. 0.00 min

Lab File: BE091785.D

Acq: 16 May 2016 22:11

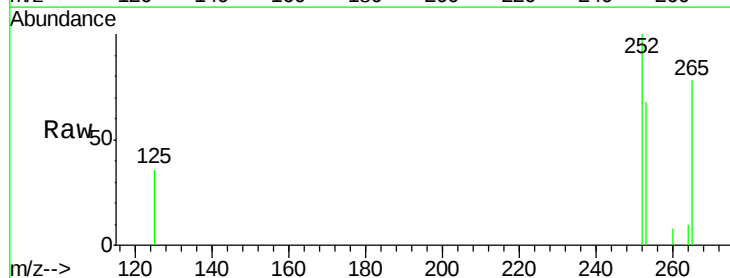
Tgt Ion:252 Resp: 1394

Ion Ratio Lower Upper

252 100

253 67.8 17.6 26.4#

125 35.6 9.9 14.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

