

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040717\
 Data File : BE092895.D
 Acq On : 7 Apr 2017 15:08
 Operator : SJ/MA
 Sample : I2549-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-170404

Quant Time: Apr 08 01:07:57 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE040417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 04 16:35:54 2017
 Response via : Initial Calibration

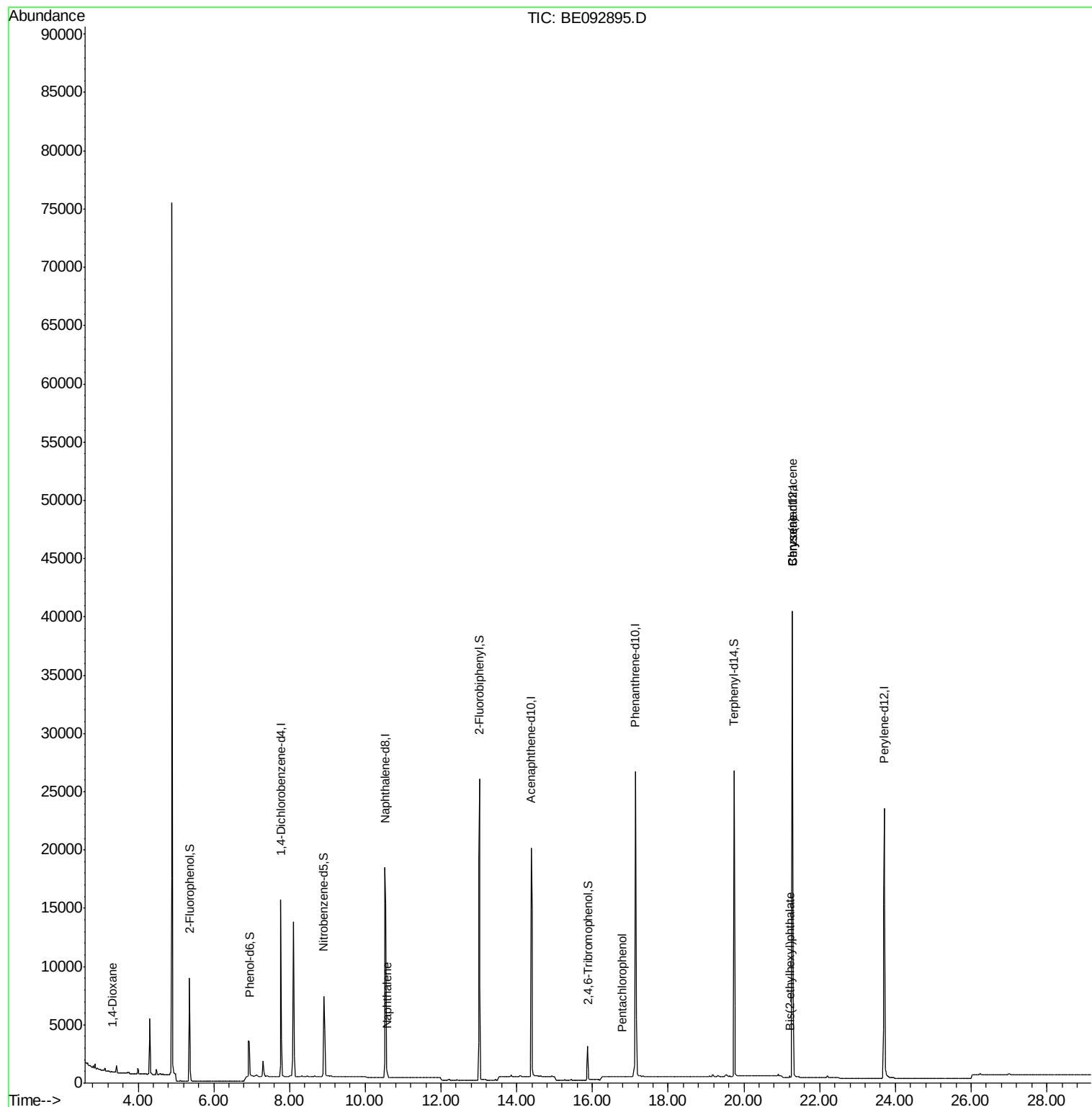
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	7732	5.00	ng	-0.02
7) Naphthalene-d8	10.53	136	31197	5.00	ng	-0.02
12) Acenaphthene-d10	14.38	164	14276	5.00	ng	-0.02
18) Phenanthrene-d10	17.13	188	34984	5.00	ng	-0.02
24) Chrysene-d12	21.28	240	39523	5.00	ng	-0.02
31) Perylene-d12	23.70	264	33388	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	6520	4.19	ng	0.00
5) Phenol-d6	6.95	99	5074	2.27	ng	0.00
8) Nitrobenzene-d5	8.90	82	7882	4.41	ng	-0.02
13) 2,4,6-Tribromophenol	15.88	330	1924	10.49	ng	0.00
14) 2-Fluorobiphenyl	13.02	172	24864	5.16	ng	-0.01
26) Terphenyl-d14	19.74	244	29344	4.83	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.32	88	40	0.04	ng	# 54
9) Naphthalene	10.58	128	468	0.07	ng	# 75
20) Pentachlorophenol	16.79	266	10	0.16	ng	# 72
27) Benzo(a)anthracene	21.28	228	255	0.03	ng	# 56
28) Chrysene	21.28	228	256	0.03	ng	# 73
29) Bis(2-ethylhexyl)phthalate	21.21	149	207	0.03	ng	# 73

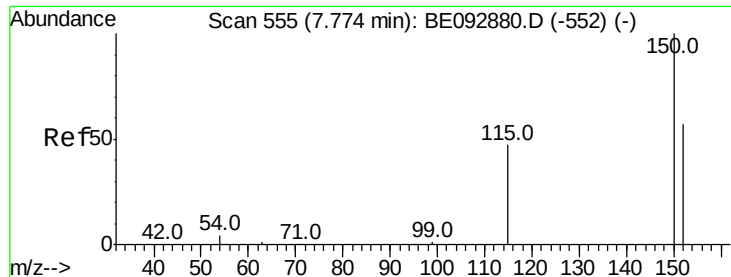
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.02 min

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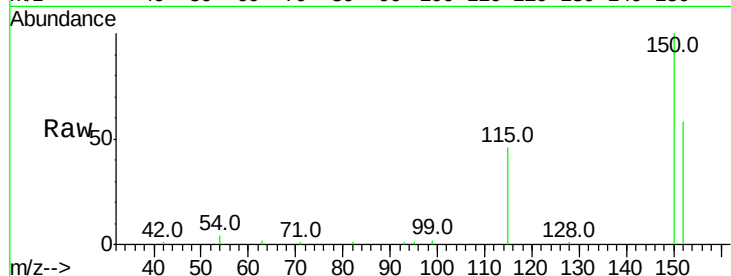
Tot Ion:152 Resp: 7732

Ion Ratio Lower Upper

152 100

150 173.2 106.0 159.0#

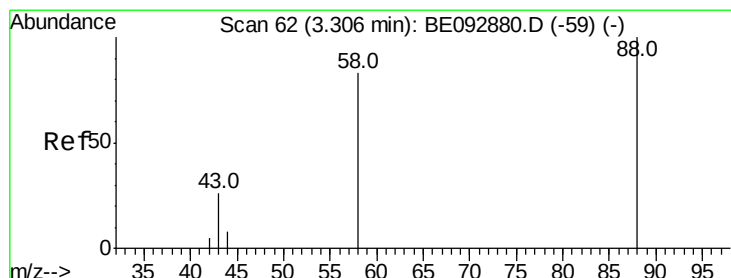
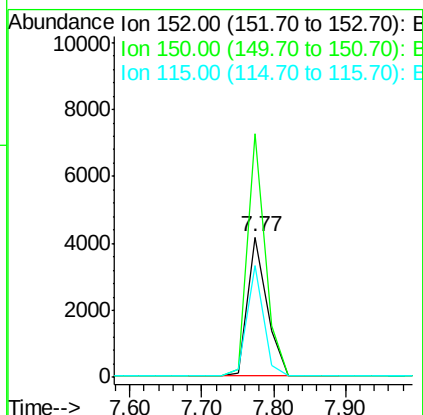
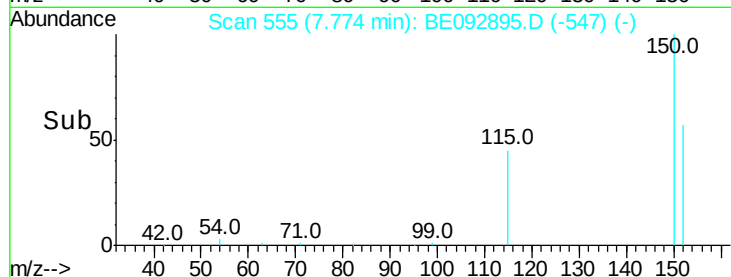
115 79.3 31.2 46.8#



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: 3.32 min Scan# 63

Delta R.T. 0.00 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

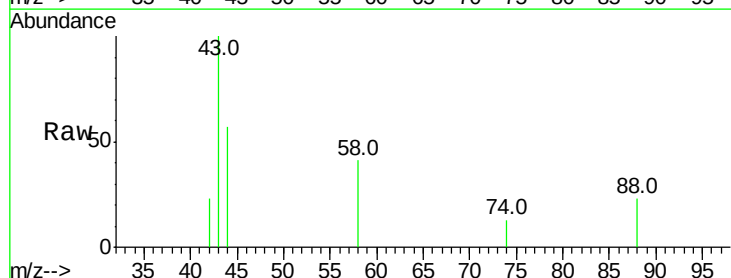
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

58 115.0 63.6 95.4#

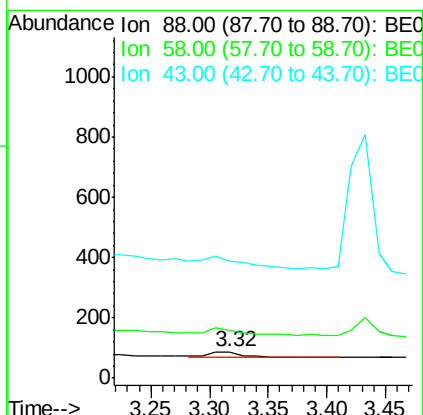
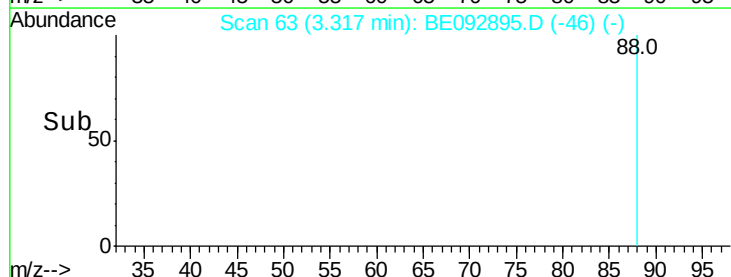
43 0.0 28.0 42.0#

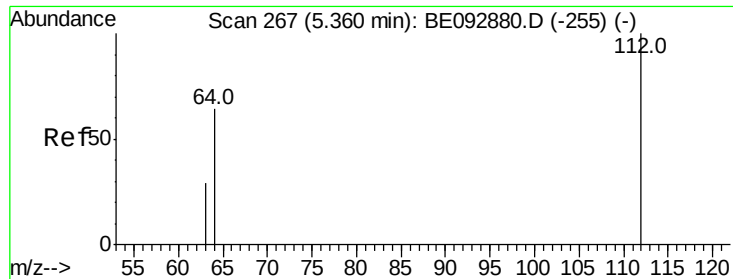


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 4.19 ng

RT: 5.36 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

Instrument :

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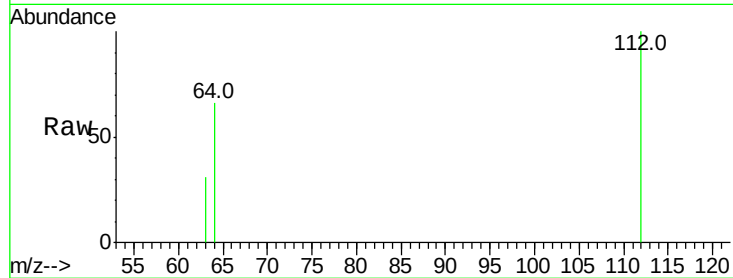
Tot Ion:112 Resp: 6520

Ion Ratio Lower Upper

112 100

64 69.4 53.5 80.3

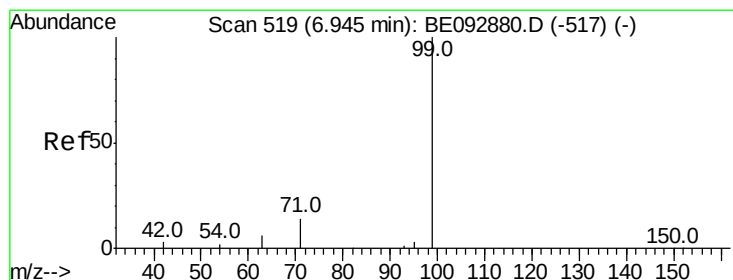
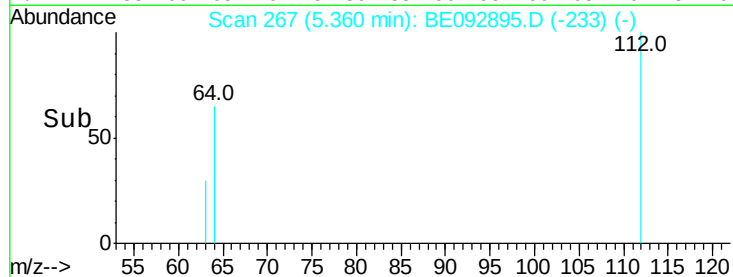
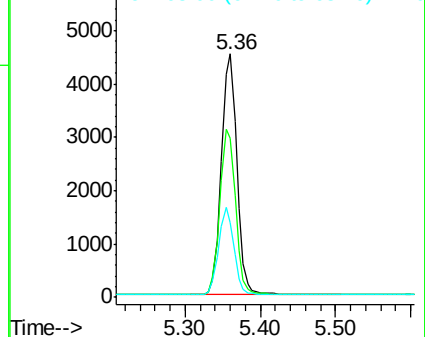
63 35.3 27.9 41.9



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: 2.27 ng

RT: 6.95 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

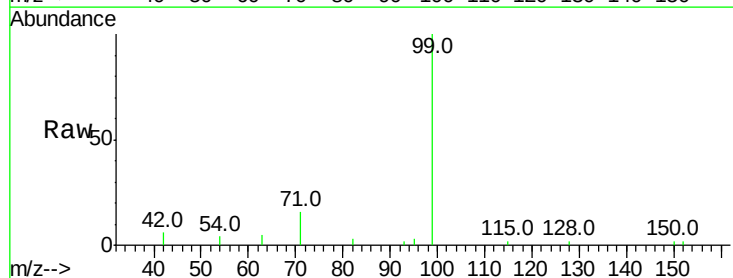
Tgt Ion: 99 Resp: 5074

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

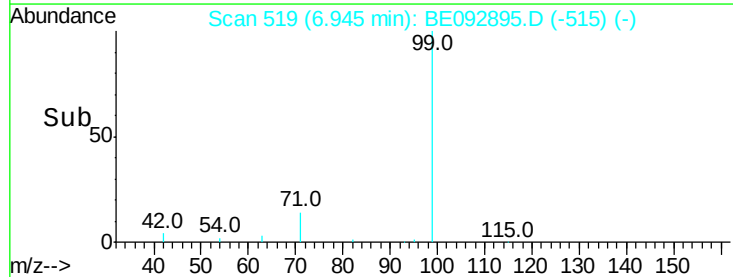
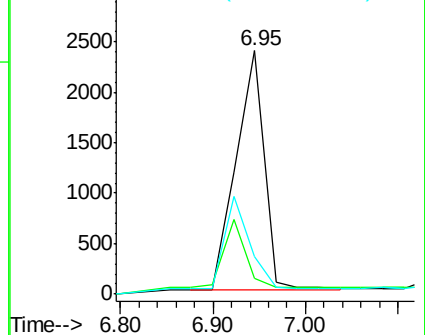
71 0.0 30.6 45.8#

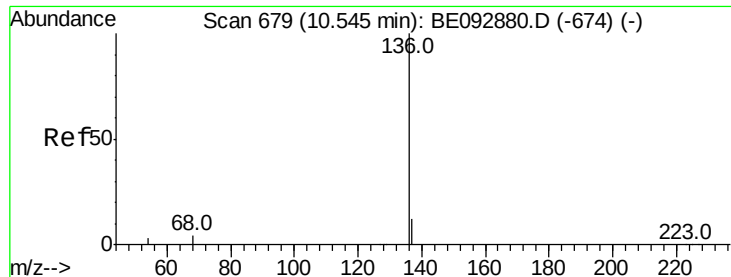


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.53 min Scan# 678

Delta R.T. -0.02 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170404

Tot Ion:136 Resp: 31197

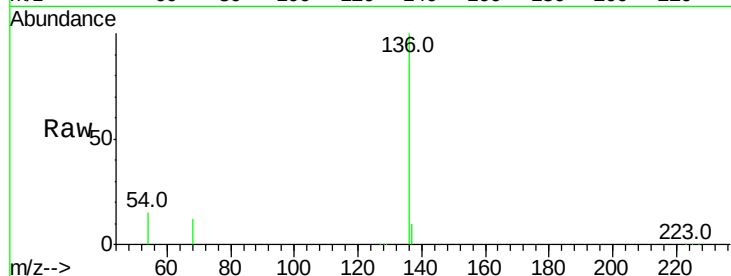
Ion Ratio Lower Upper

136 100

137 10.0 8.2 12.4

54 15.1 9.6 14.4#

68 12.3 6.7 10.1#

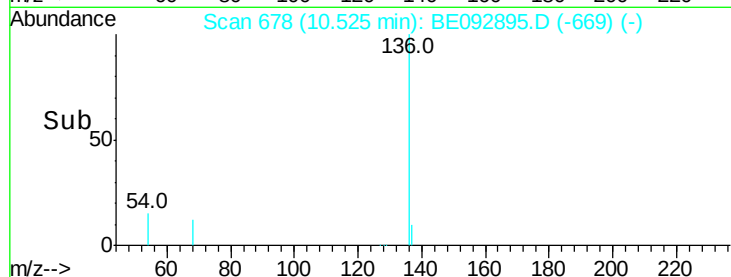


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

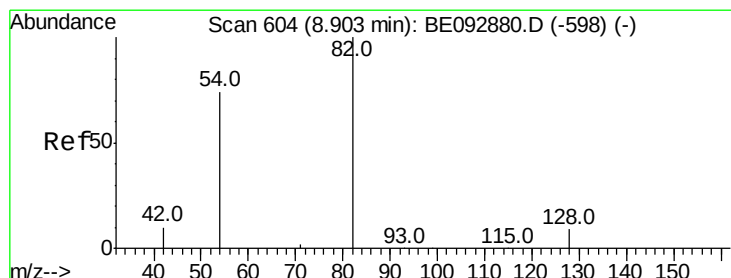
Ion 68.00 (67.70 to 68.70): BE0



Abundance

10.53

Time-->



#8

Nitrobenzene-d5

Concen: 4.41 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

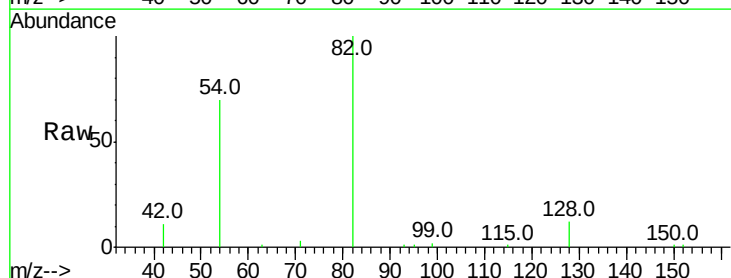
Tgt Ion: 82 Resp: 7882

Ion Ratio Lower Upper

82 100

128 11.5 39.0 58.4#

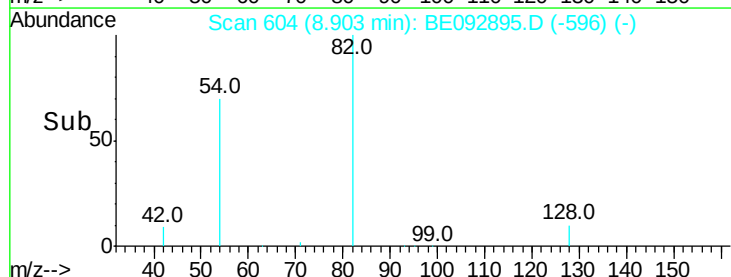
54 69.9 44.8 67.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

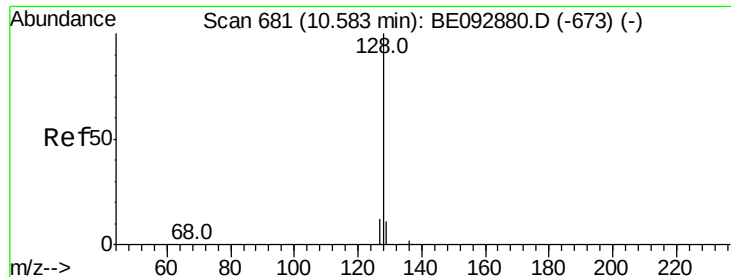
Ion 54.00 (53.70 to 54.70): BE0



Abundance

8.90

Time-->



#9

Naphthalene

Concen: 0.07 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170404

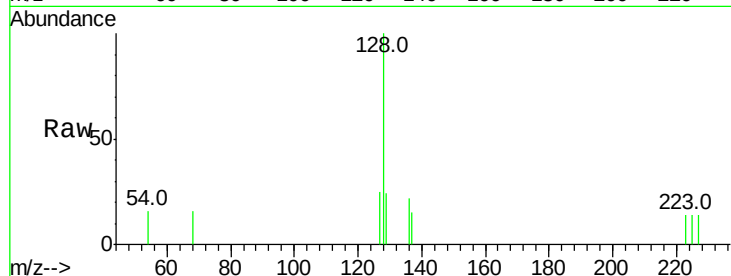
Tot Ion:128 Resp: 468

Ion Ratio Lower Upper

128 100

129 24.1 11.2 16.8#

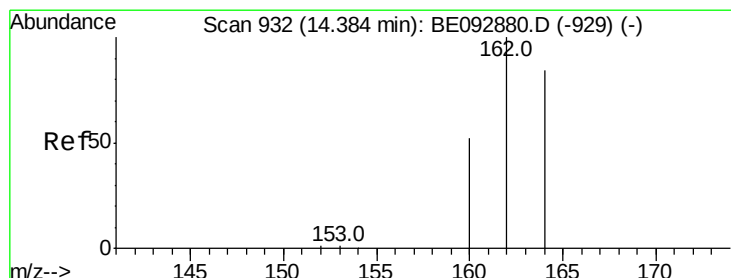
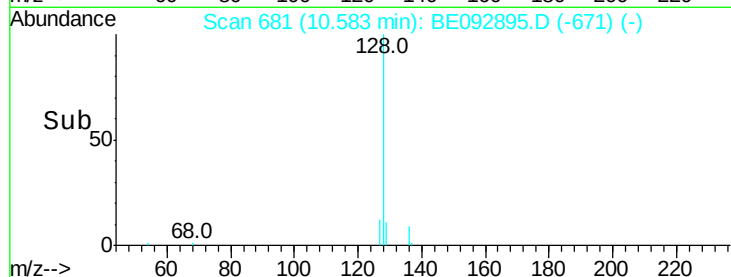
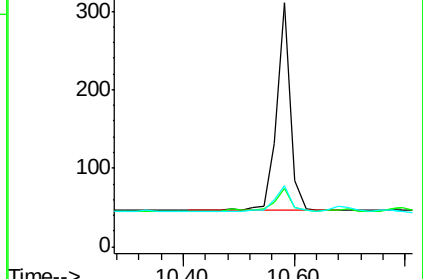
127 24.8 11.6 17.4#



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: 14.38 min Scan# 932

Delta R.T. -0.02 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

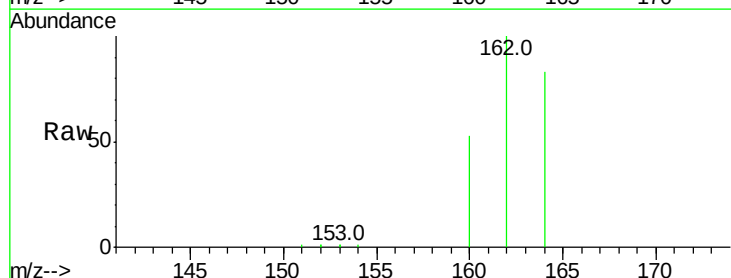
Tgt Ion:164 Resp: 14276

Ion Ratio Lower Upper

164 100

162 120.6 71.4 107.0#

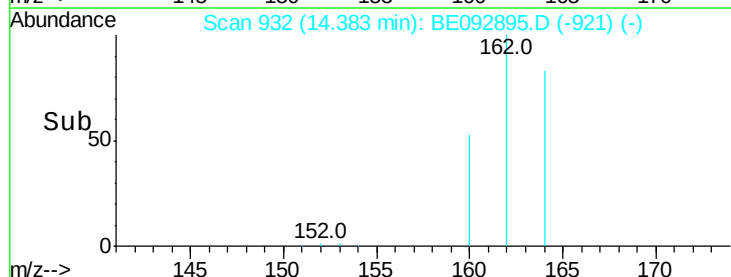
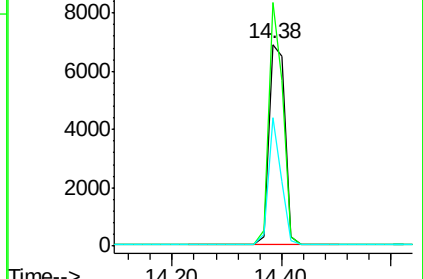
160 63.6 27.4 41.2#

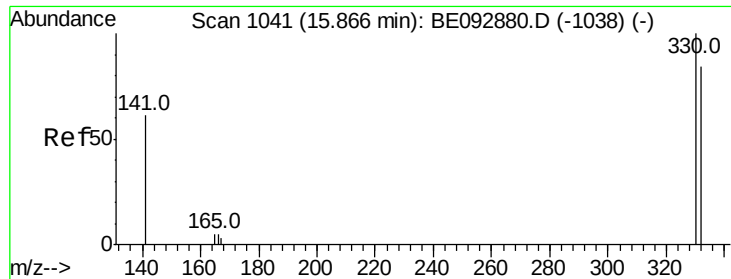


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

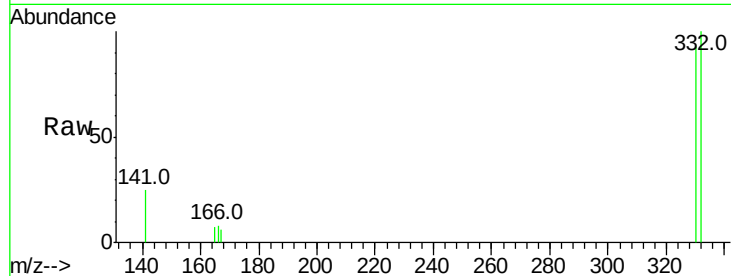




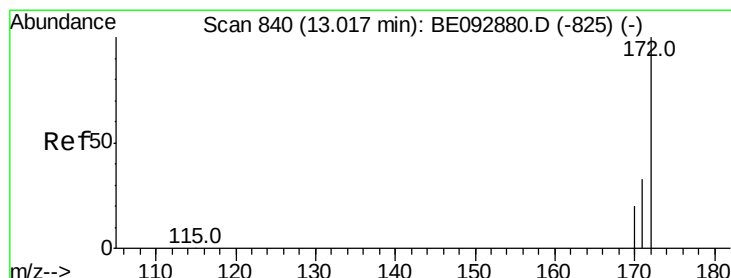
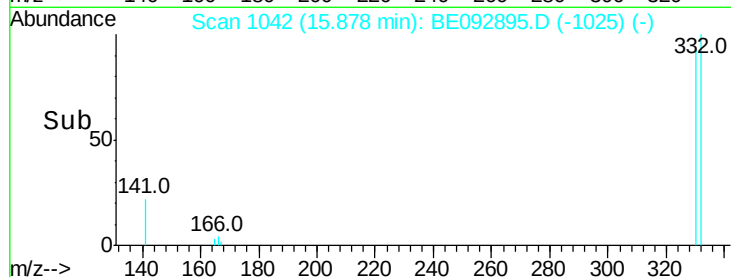
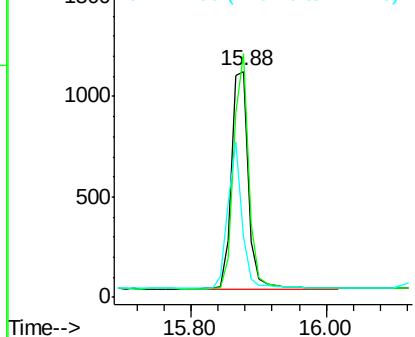
#13
 2,4,6-Tribromophenol
 Concen: 10.49 ng
 RT: 15.88 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: BE092895.D
 Acq: 7 Apr 2017 15:08

Instrument :
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Tot Ion:330 Resp: 1924
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.4 113.0
 141 57.5 31.0 46.6#

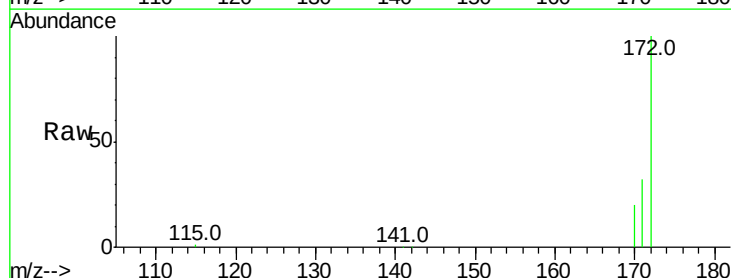


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

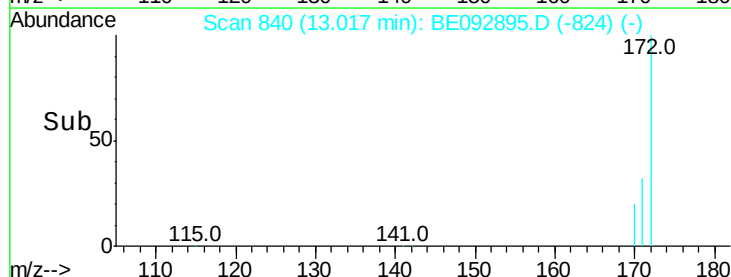
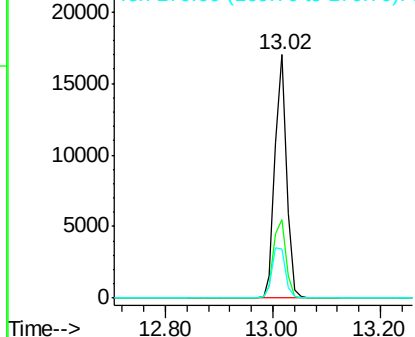


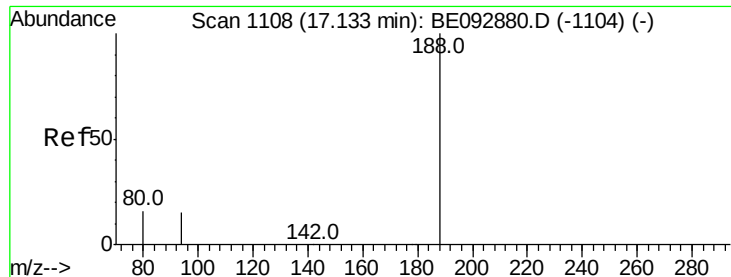
#14
 2-Fluorobiphenyl
 Concen: 5.16 ng
 RT: 13.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BE092895.D
 Acq: 7 Apr 2017 15:08

Tgt Ion:172 Resp: 24864
 Ion Ratio Lower Upper
 172 100
 171 32.4 30.1 45.1
 170 19.9 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

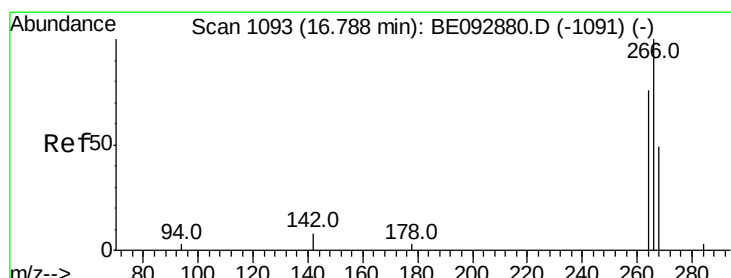
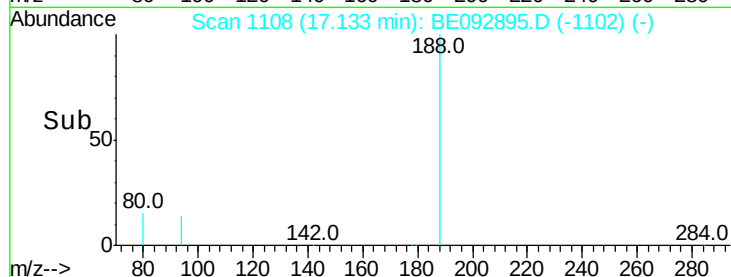
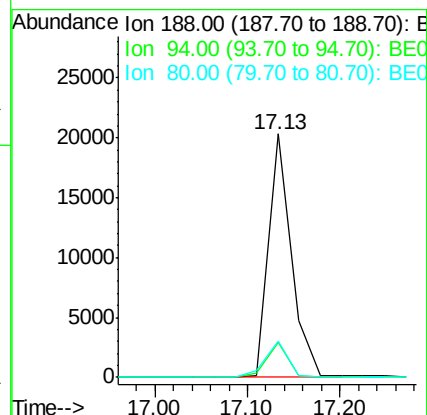
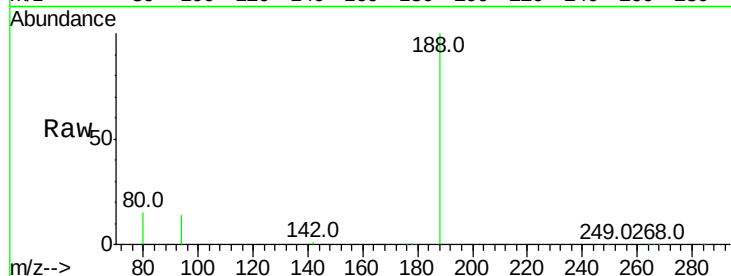




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.13 min Scan# 1108
Delta R.T. -0.02 min
Lab File: BE092895.D
Acq: 7 Apr 2017 15:08

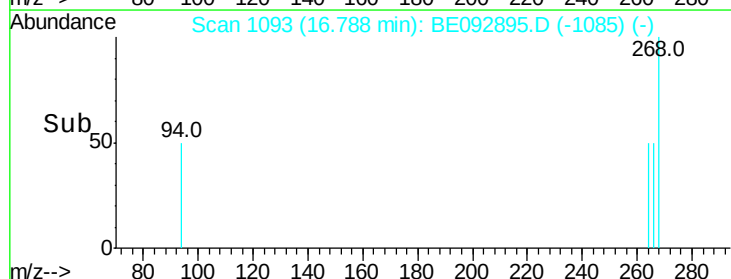
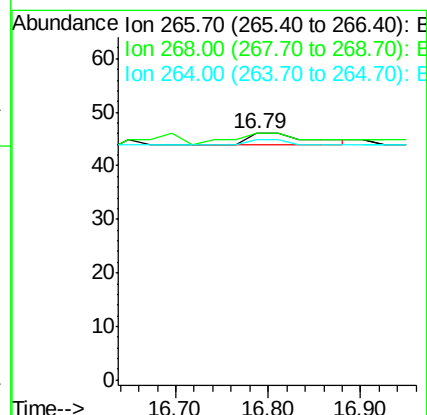
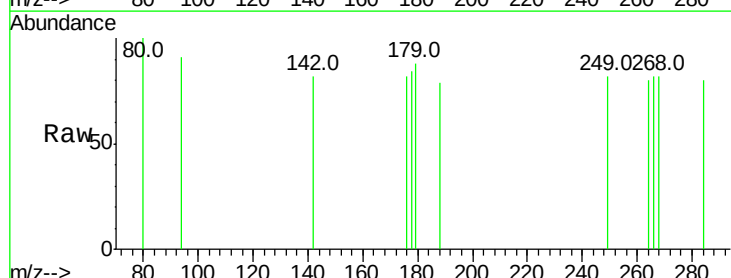
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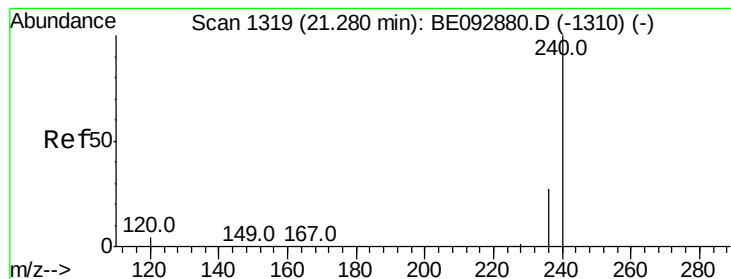
Tot Ion:188 Resp: 34984
Ion Ratio Lower Upper
188 100
94 14.3 3.2 4.8#
80 14.8 2.6 3.8#



#20
Pentachlorophenol
Concen: 0.16 ng
RT: 16.79 min Scan# 1093
Delta R.T. -0.02 min
Lab File: BE092895.D
Acq: 7 Apr 2017 15:08

Tgt Ion:266 Resp: 10
Ion Ratio Lower Upper
266 100
268 100.0 62.5 93.7#
264 97.8 57.2 85.8#





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

Instrument :

BNA_E

ClientSampleId :

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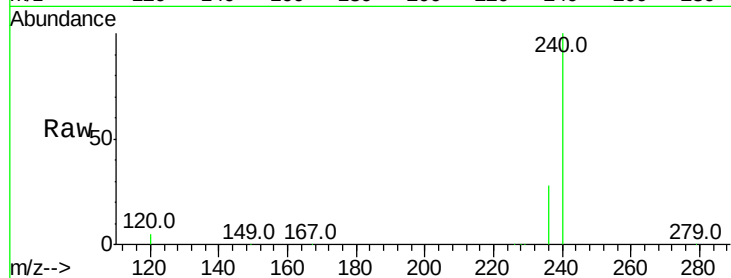
Tot Ion:240 Resp: 39523

Ion Ratio Lower Upper

240 100

120 5.1 2.6 4.0#

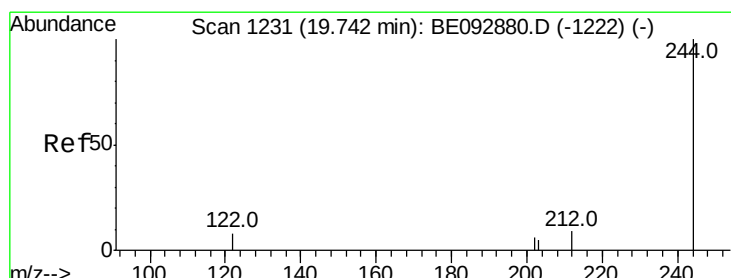
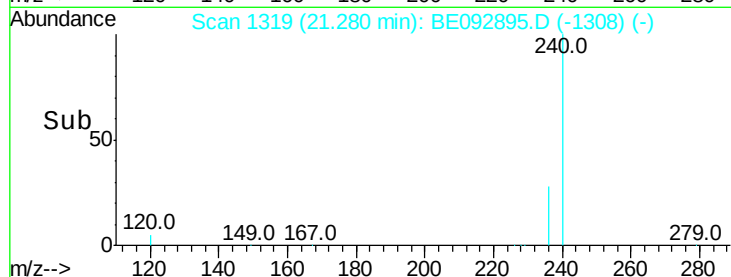
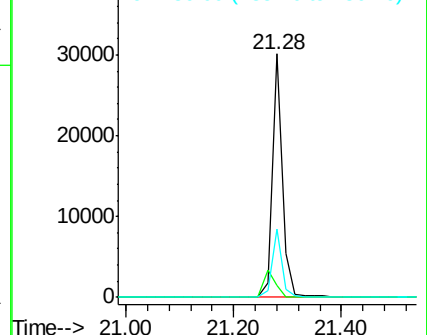
236 27.9 24.6 37.0



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



#26

Terphenyl-d14

Concen: 4.83 ng

RT: 19.74 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

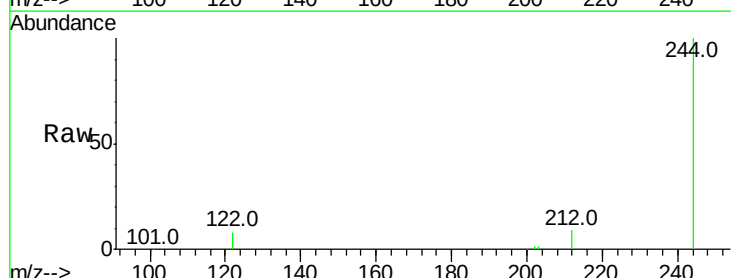
Tgt Ion:244 Resp: 29344

Ion Ratio Lower Upper

244 100

212 9.3 6.7 10.1

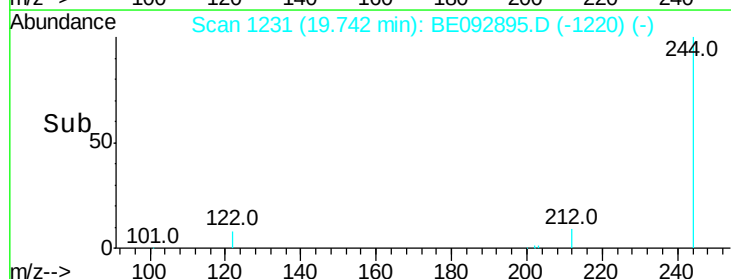
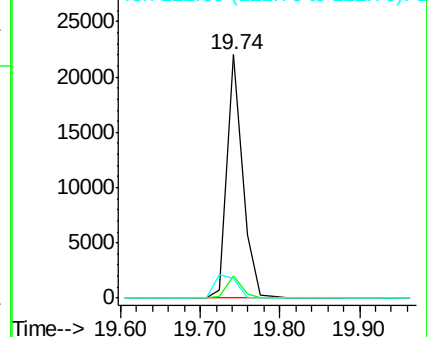
122 8.1 3.6 5.4#

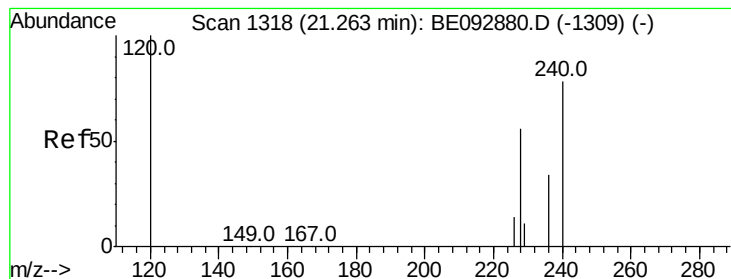


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.28 min Scan# 1319

Delta R.T. 0.02 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170404

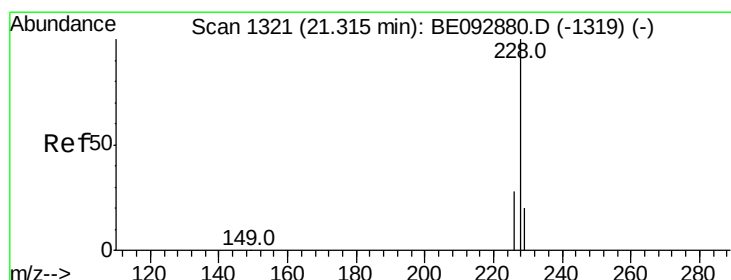
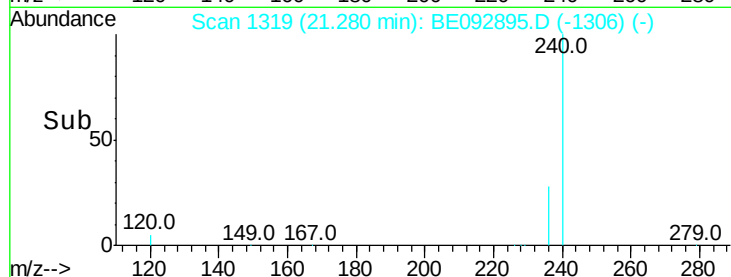
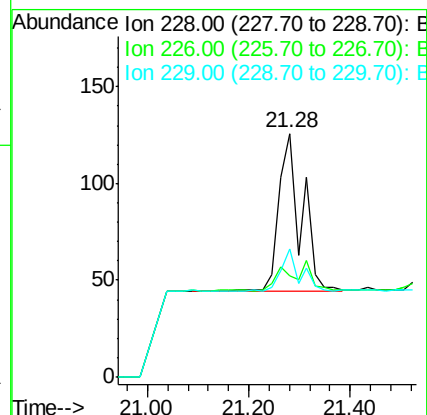
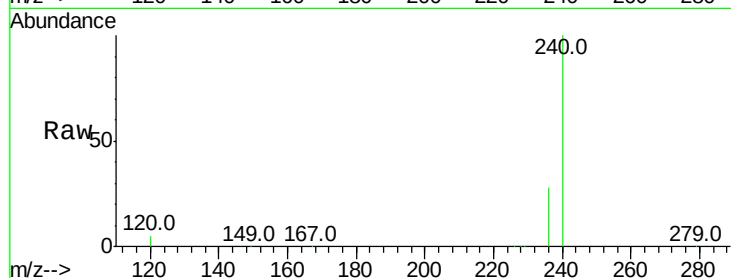
Tot Ion:228 Resp: 255

Ion Ratio Lower Upper

228 100

226 41.3 23.6 35.4#

229 52.4 13.3 19.9#



#28

Chrysene

Concen: 0.03 ng

RT: 21.28 min Scan# 1319

Delta R.T. -0.03 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

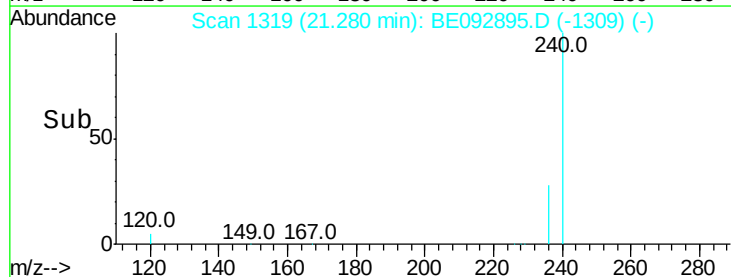
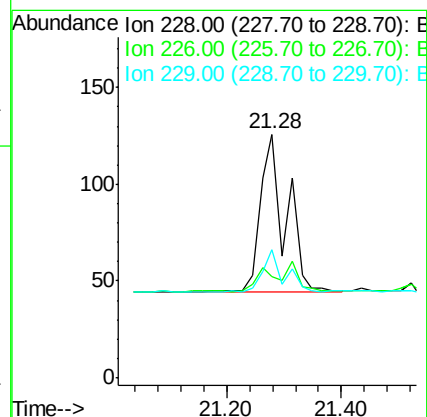
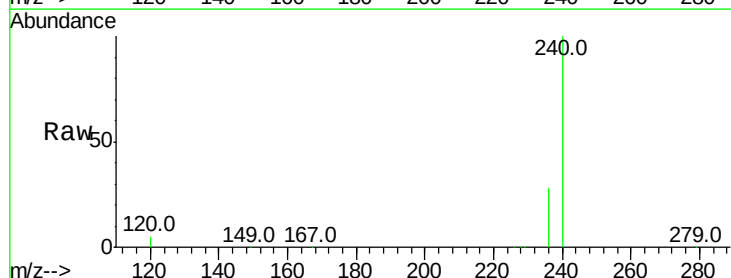
Tgt Ion:228 Resp: 256

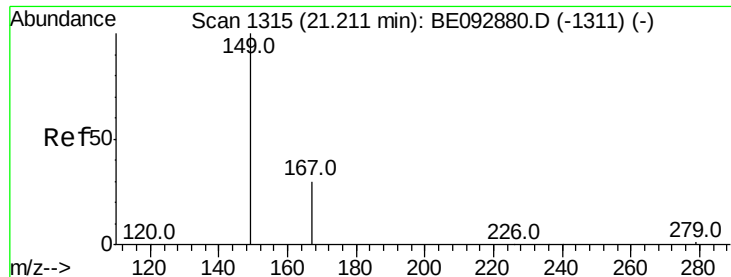
Ion Ratio Lower Upper

228 100

226 41.3 36.3 54.5

229 52.4 10.6 16.0#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.03 ng

RT: 21.21 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170404

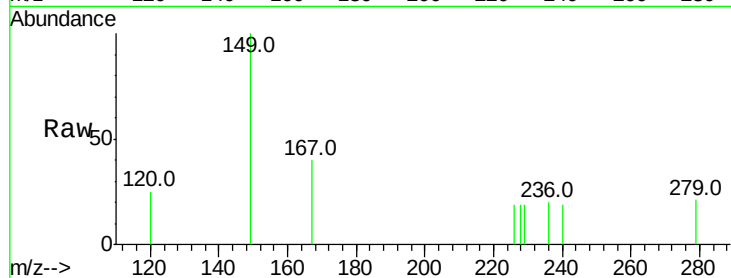
Tot Ion:149 Resp: 207

Ion Ratio Lower Upper

149 100

167 28.0 16.0 24.0#

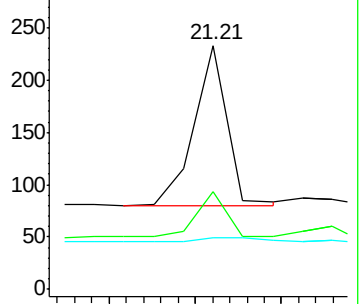
279 3.4 16.0 24.0#



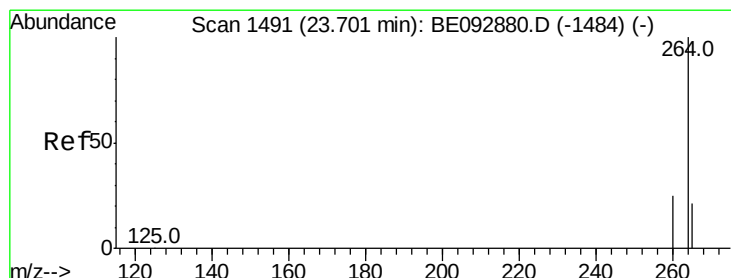
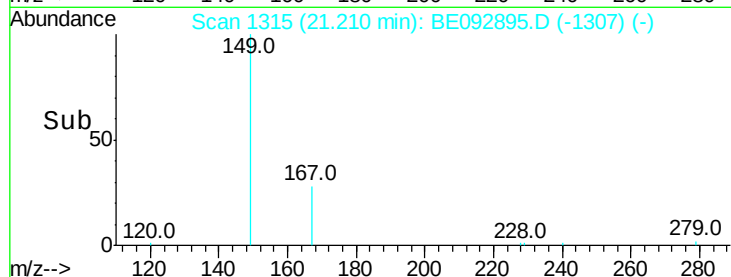
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#31

Perylene-d12

Concen: 5.00 ng

RT: 23.70 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE092895.D

Acq: 7 Apr 2017 15:08

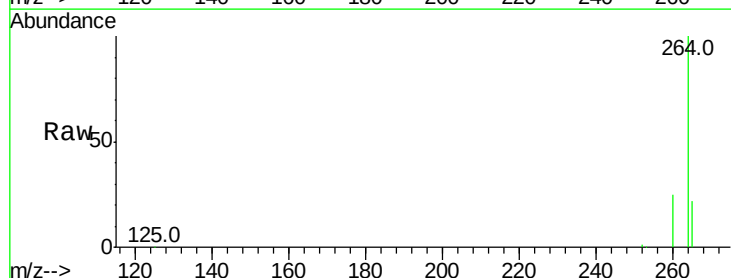
Tgt Ion:264 Resp: 33388

Ion Ratio Lower Upper

264 100

260 25.3 20.1 30.1

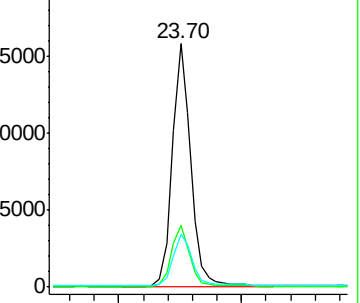
265 21.9 17.9 26.9



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



Time-->

