

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032817\
 Data File : BE092857.D
 Acq On : 29 Mar 2017 4:14
 Operator : SJ/MA
 Sample : I2341-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 29 05:00:22 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 28 14:58:05 2017
 Response via : Initial Calibration

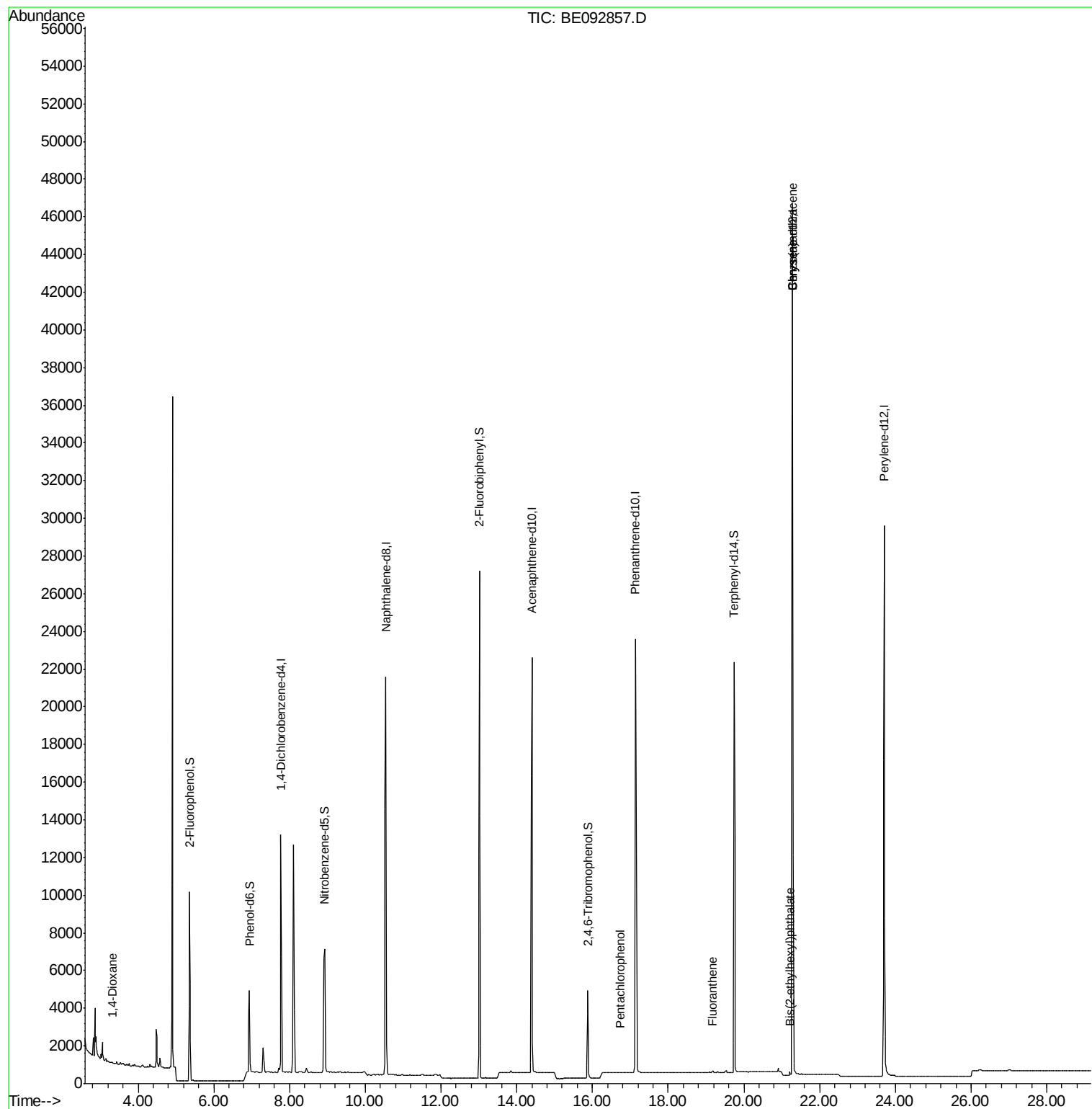
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	7732	5.00	ng	-0.02
7) Naphthalene-d8	10.54	136	33537	5.00	ng	0.00
12) Acenaphthene-d10	14.40	164	16034	5.00	ng	0.00
18) Phenanthrene-d10	17.13	188	37255	5.00	ng	-0.02
24) Chrysene-d12	21.28	240	47288	5.00	ng	-0.02
31) Perylene-d12	23.70	264	41176	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	6978	3.88	ng	0.00
5) Phenol-d6	6.94	99	6501	2.46	ng	0.00
8) Nitrobenzene-d5	8.93	82	9030	4.69	ng	0.00
13) 2,4,6-Tribromophenol	15.88	330	2842	11.35	ng	0.00
14) 2-Fluorobiphenyl	13.02	172	24596	4.65	ng	-0.01
26) Terphenyl-d14	19.74	244	29670	3.63	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.32	88	25	0.02	ng	# 1
20) Pentachlorophenol	16.74	266	3	0.24	ng	# 69
23) Fluoranthene	19.18	202	3029	0.07	ng	# 65
27) Benzo(a)anthracene	21.28	228	243	0.02	ng	# 64
28) Chrysene	21.28	228	247	0.02	ng	# 68
29) Bis(2-ethylhexyl)phthalate	21.21	149	205	0.04	ng	# 78

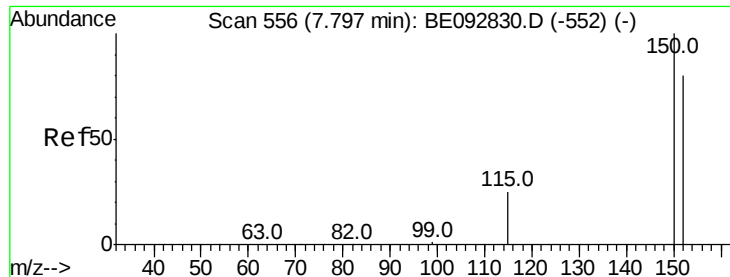
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

Instrument :

BNA_E

ClientSampled :

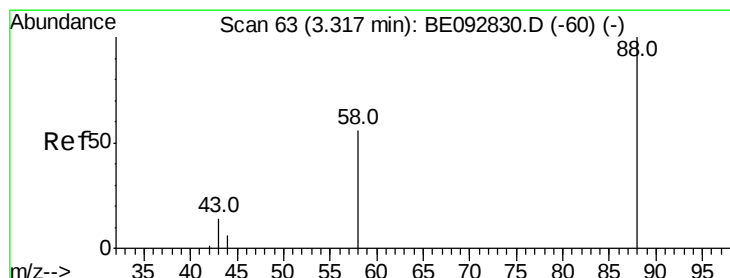
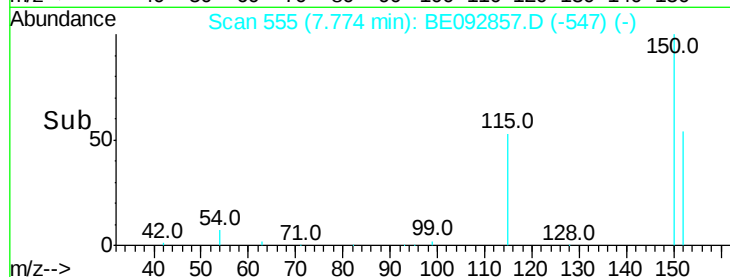
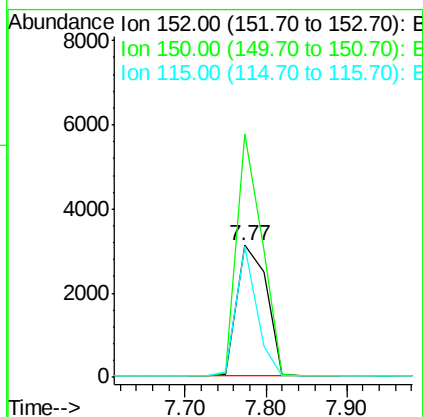
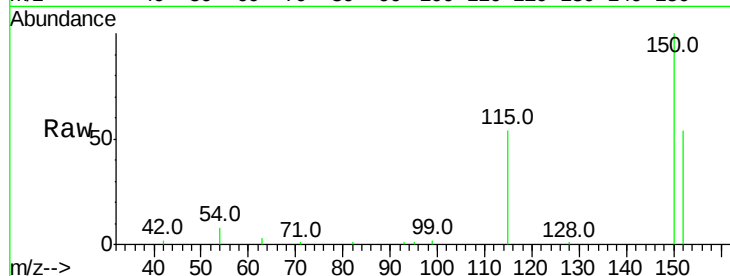
Tot Ion:152 Resp: 7732

Ion Ratio Lower Upper

152 100

150 184.7 106.0 159.0#

115 99.5 31.2 46.8#



#2

1,4-Dioxane

Concen: 0.02 ng

RT: 3.32 min Scan# 63

Delta R.T. -0.00 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

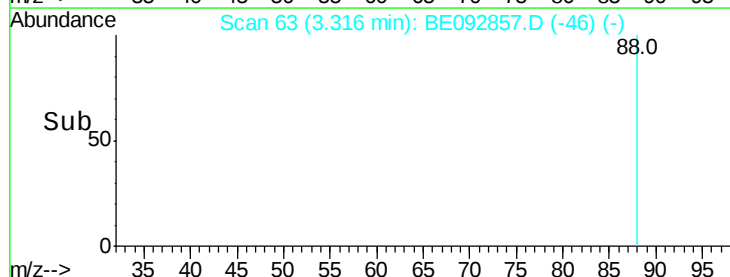
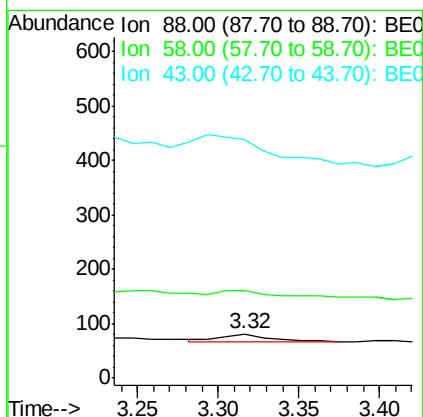
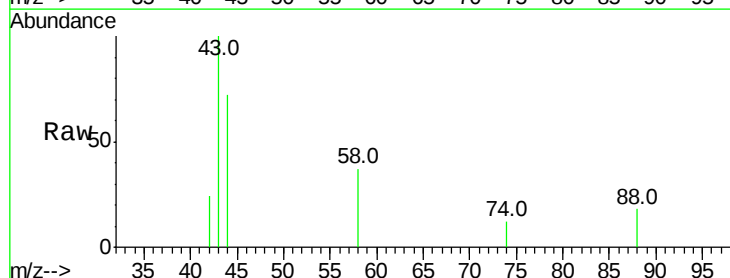
Tgt Ion: 88 Resp: 25

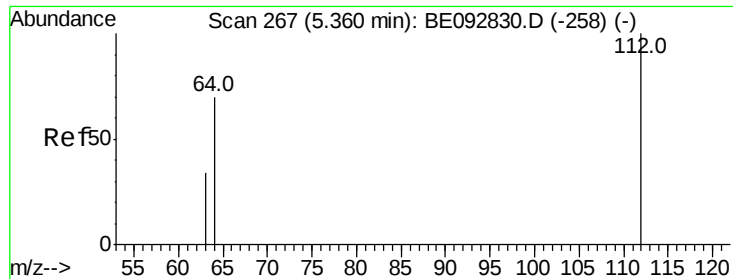
Ion Ratio Lower Upper

88 100

58 228.0 63.6 95.4#

43 0.0 28.0 42.0#





#4

2-Fluorophenol

Concen: 3.88 ng

RT: 5.36 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

Instrument :

BNA_E

ClientSampleId :

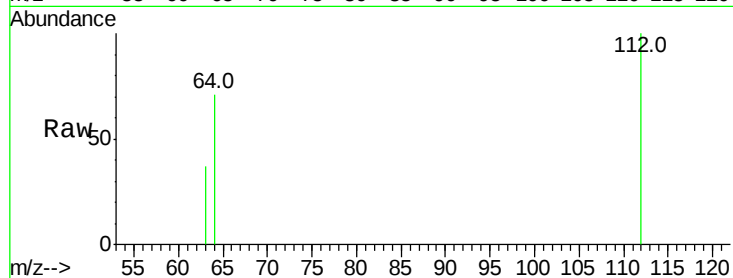
Tot Ion:112 Resp: 6978

Ion Ratio Lower Upper

112 100

64 68.8 53.5 80.3

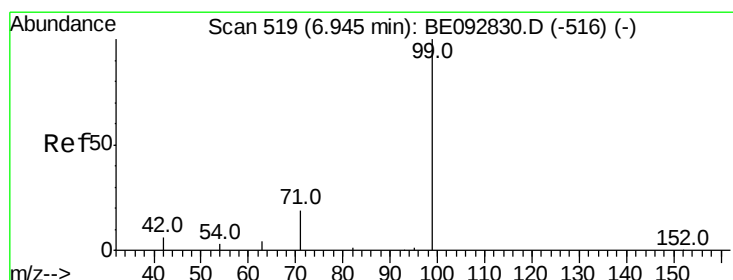
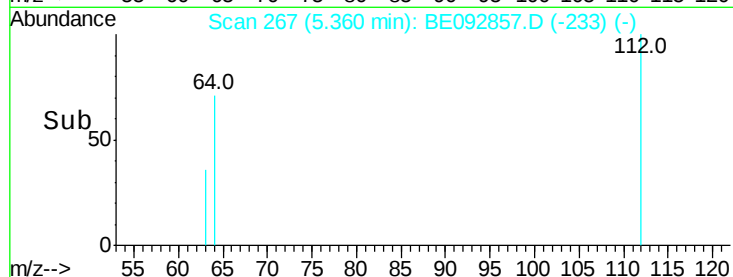
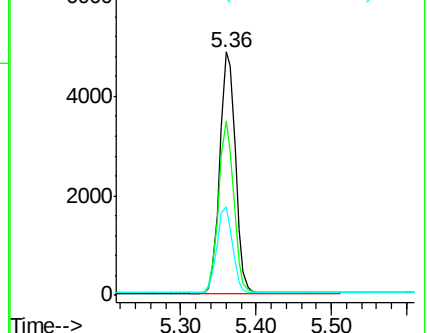
63 35.5 27.9 41.9



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: 2.46 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

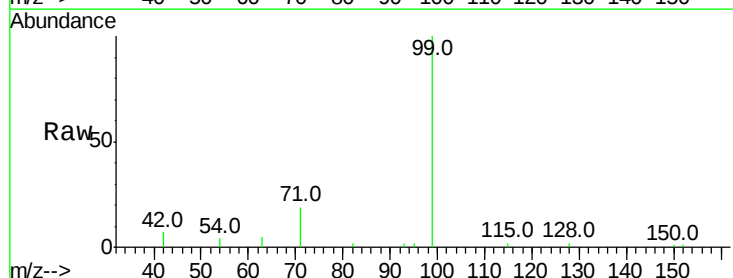
Tgt Ion: 99 Resp: 6501

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

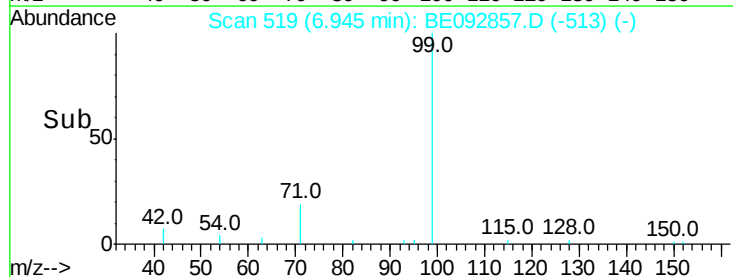
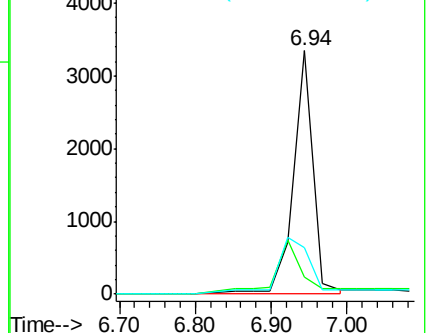
71 0.0 30.6 45.8#

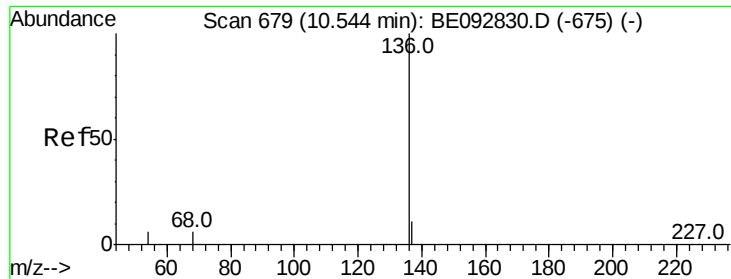


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.54 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 33537

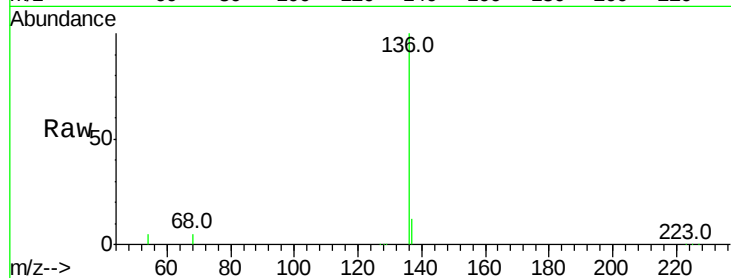
Ion Ratio Lower Upper

136 100

137 11.8 8.2 12.4

54 4.5 9.6 14.4#

68 4.6 6.7 10.1#

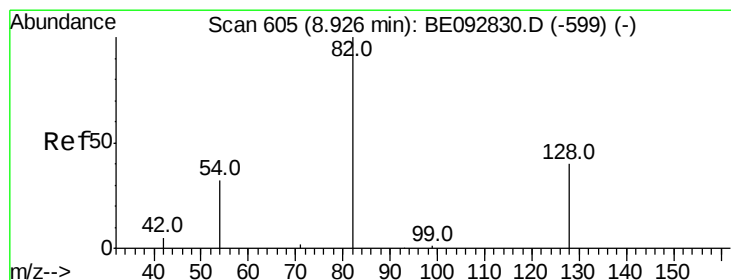
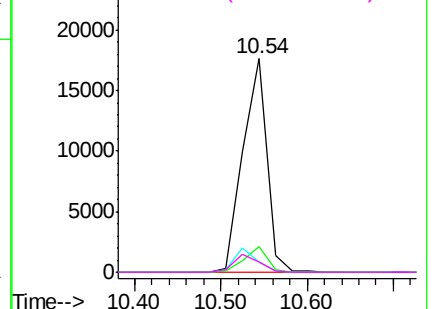
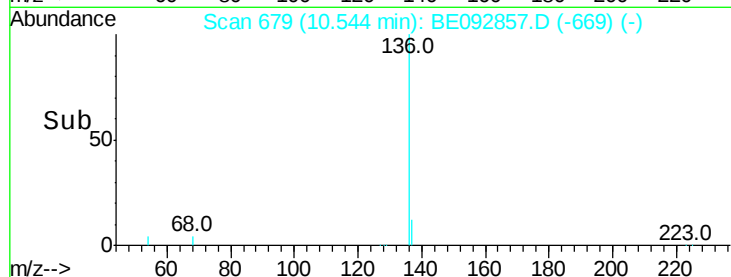


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.69 ng

RT: 8.93 min Scan# 605

Delta R.T. -0.00 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

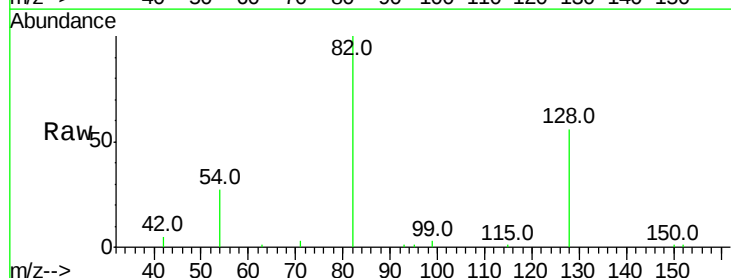
Tgt Ion: 82 Resp: 9030

Ion Ratio Lower Upper

82 100

128 56.0 39.0 58.4

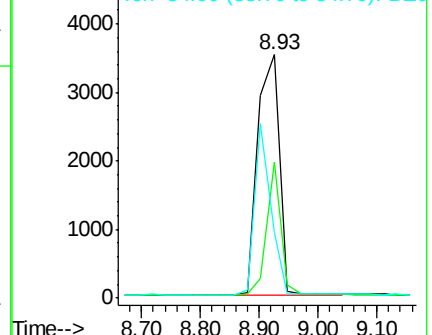
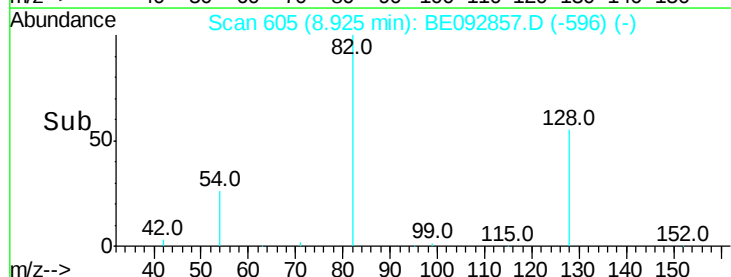
54 27.1 44.8 67.2#

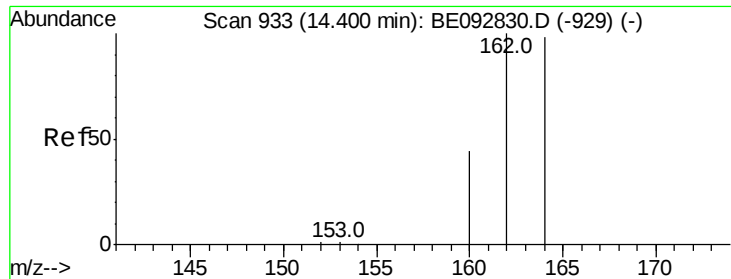


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 933

Delta R.T. -0.00 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

Instrument :

BNA_E

ClientSampleId :

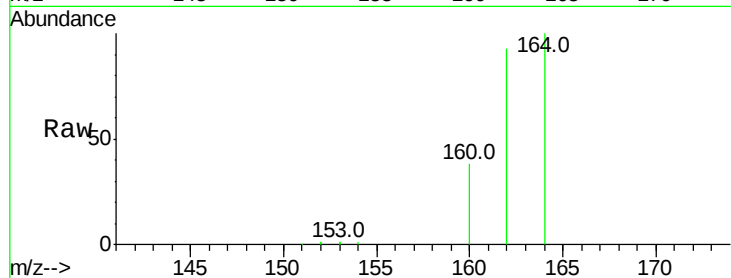
Tot Ion:164 Resp: 16034

Ion Ratio Lower Upper

164 100

162 93.2 71.4 107.0

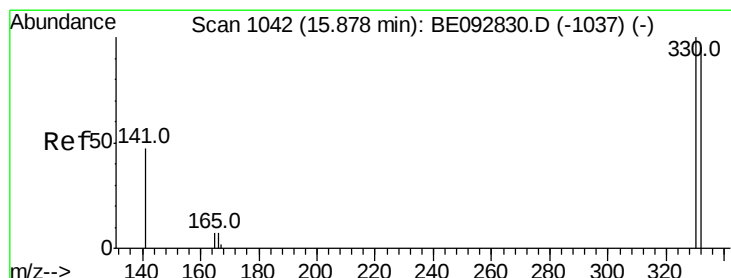
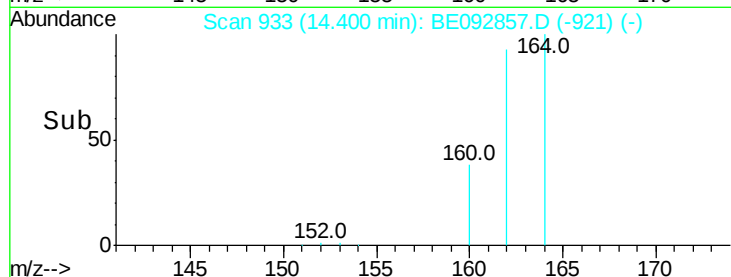
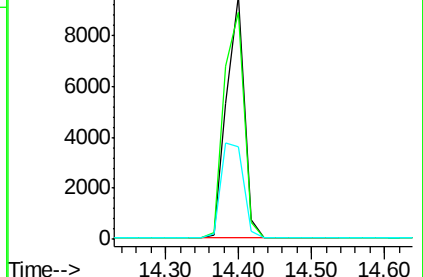
160 38.2 27.4 41.2



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: 11.35 ng

RT: 15.88 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

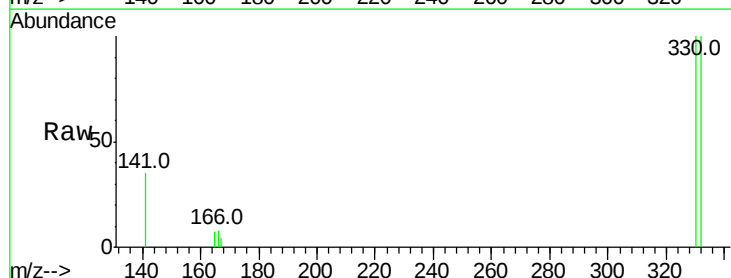
Tgt Ion:330 Resp: 2842

Ion Ratio Lower Upper

330 100

332 97.6 75.4 113.0

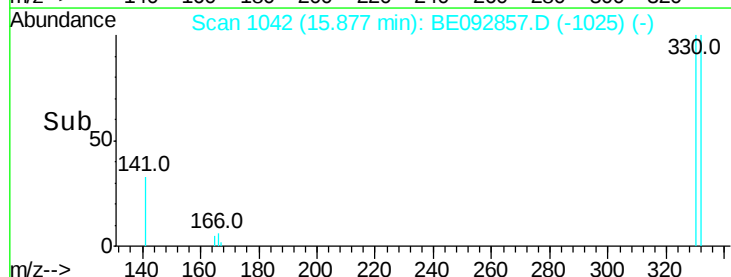
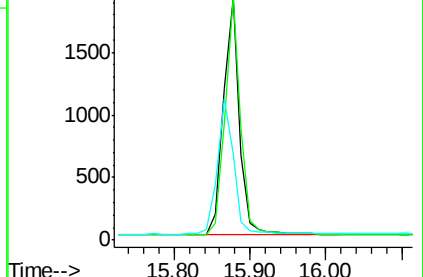
141 57.6 31.0 46.6#

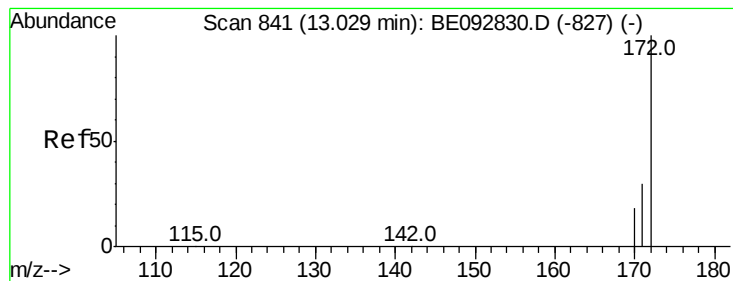


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

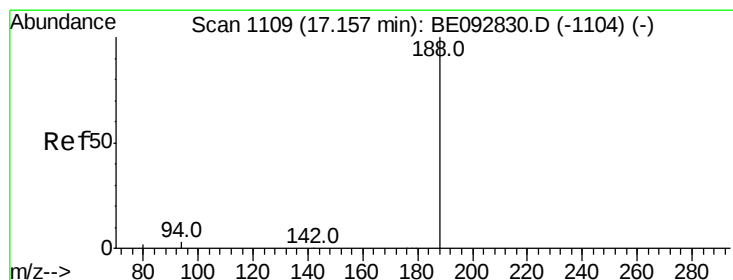
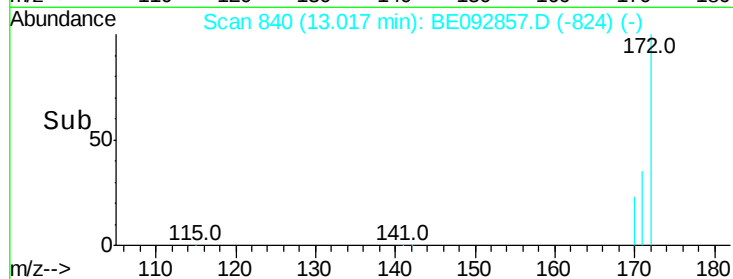
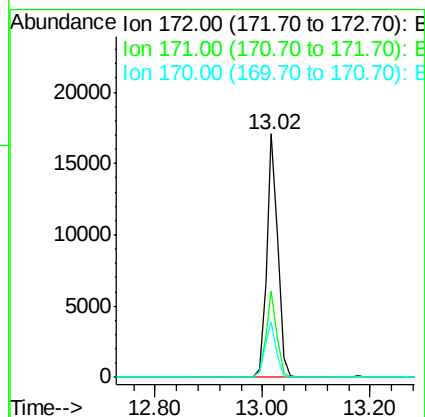
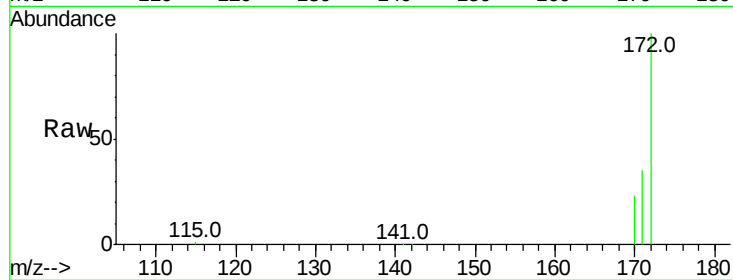




#14
 2-Fluorobiphenyl
 Concen: 4.65 ng
 RT: 13.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BE092857.D
 Acq: 29 Mar 2017 4:14

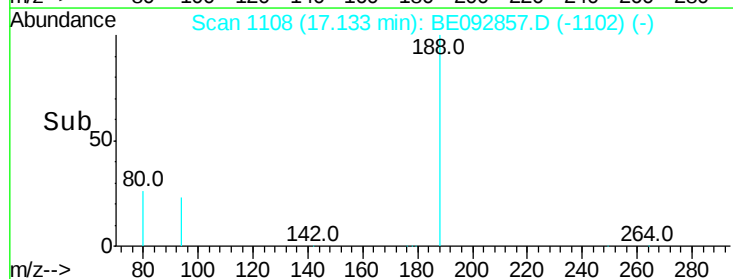
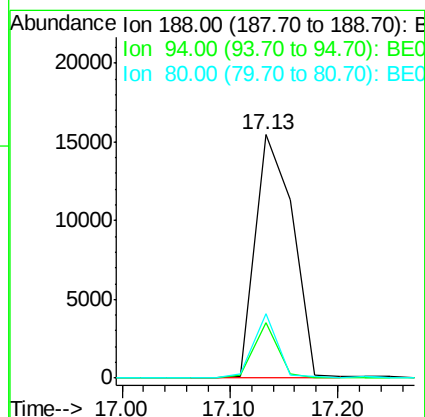
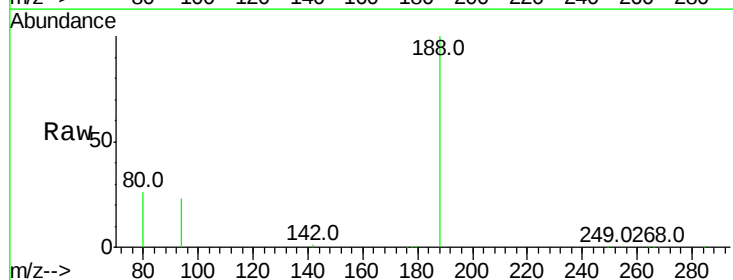
Instrument :
 BNA_E
 ClientSampleId :

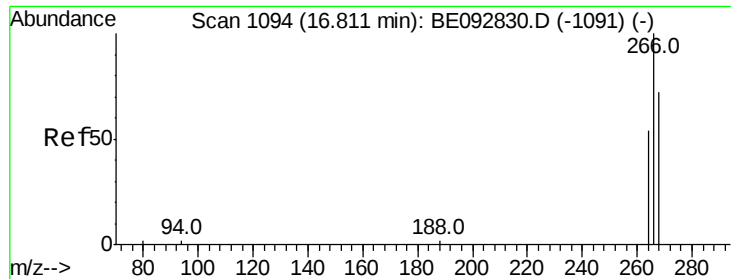
Tot Ion:172 Resp: 24596
 Ion Ratio Lower Upper
 172 100
 171 35.2 30.1 45.1
 170 22.9 21.8 32.6



#18
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.13 min Scan# 1108
 Delta R.T. -0.02 min
 Lab File: BE092857.D
 Acq: 29 Mar 2017 4:14

Tgt Ion:188 Resp: 37255
 Ion Ratio Lower Upper
 188 100
 94 22.8 3.2 4.8#
 80 26.5 2.6 3.8#





#20

Pentachlorophenol

Concen: 0.24 ng

RT: 16.74 min Scan# 1091

Delta R.T. -0.07 min

Lab File: BE092857.D

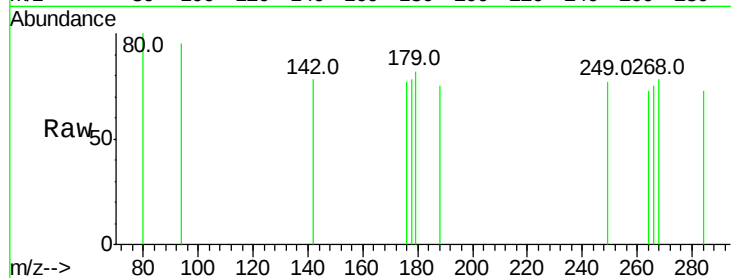
Acq: 29 Mar 2017 4:14

Instrument :

BNA_E

ClientSampleId :

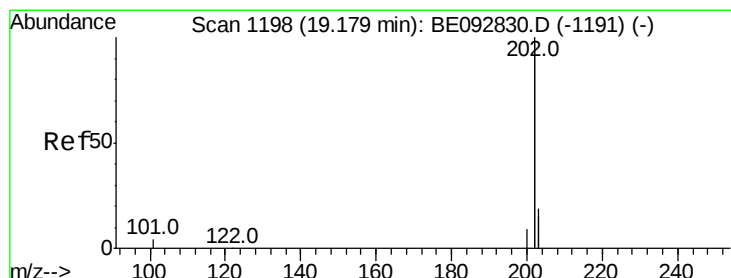
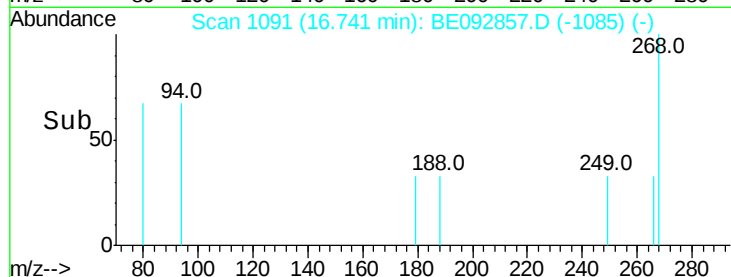
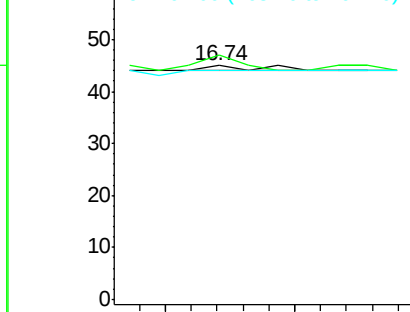
Tot Ion	Ratio	Lower	Upper
266	100		
268	104.4	62.5	93.7#
264	97.8	57.2	85.8#



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



#23

Fluoranthene

Concen: 0.07 ng

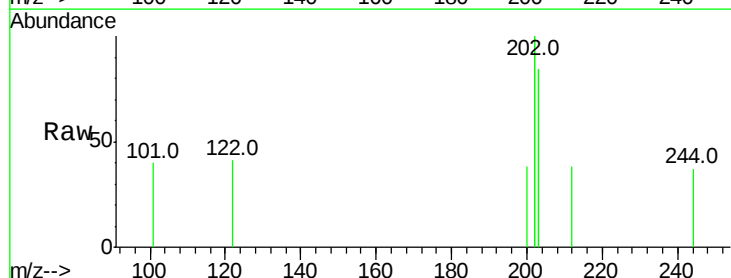
RT: 19.18 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

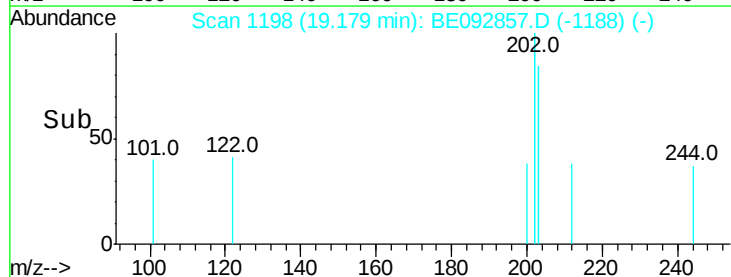
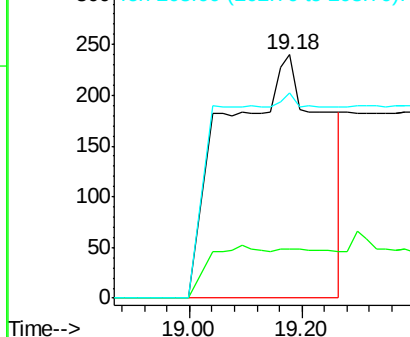
Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	2.2	3.4#
203	0.0	13.7	20.5#

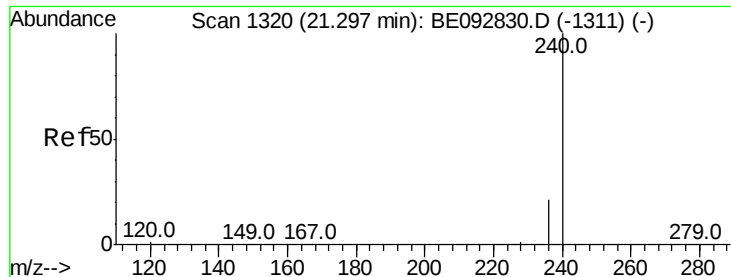


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

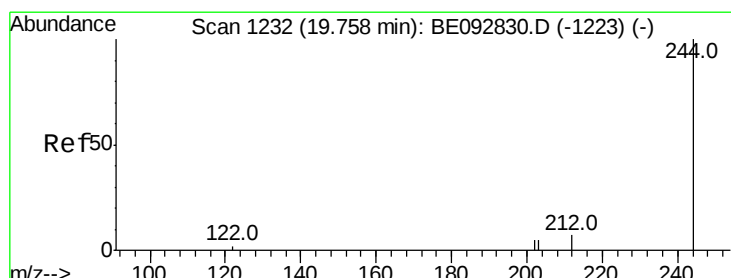
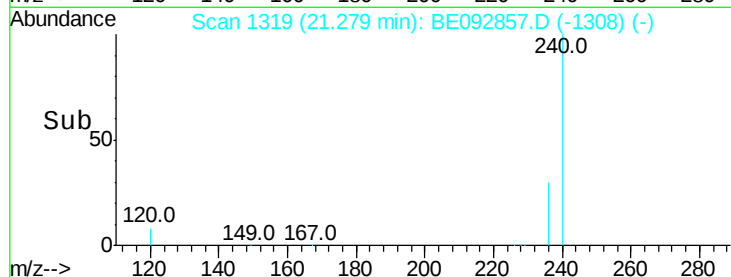
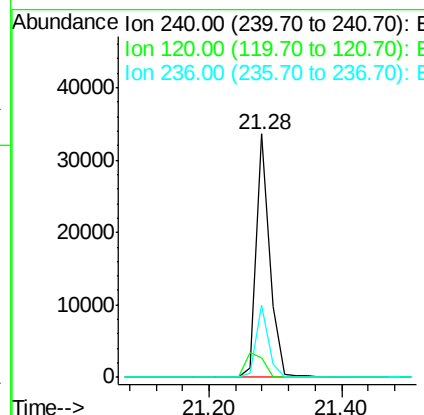
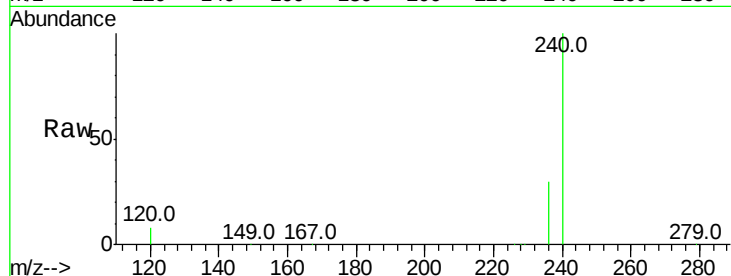




#24
 Chrvsene-d12
 Concen: 5.00 ng
 RT: 21.28 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BE092857.D
 Acq: 29 Mar 2017 4:14

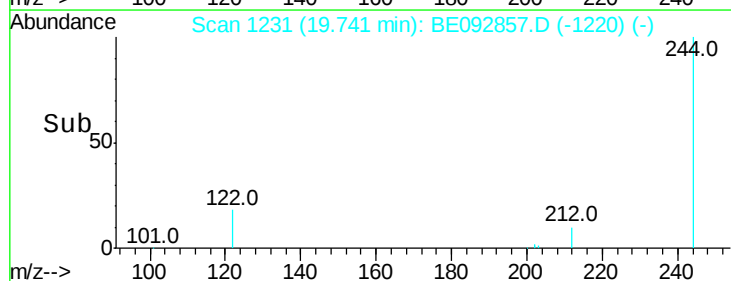
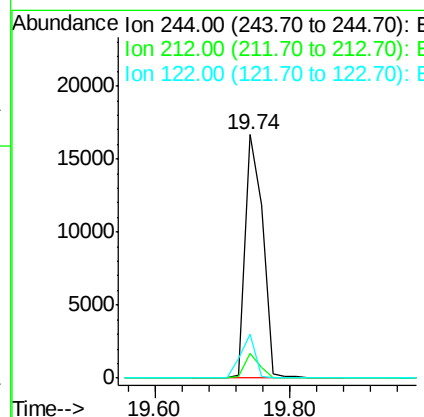
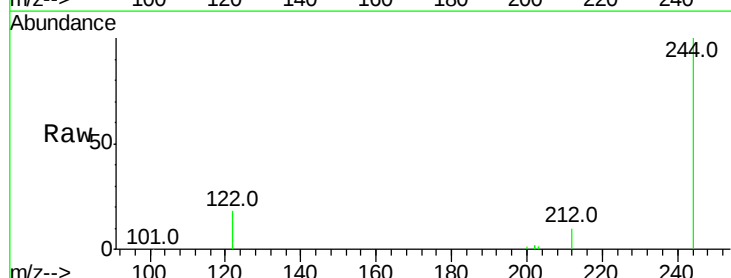
Instrument :
 BNA_E
 ClientSampleId :

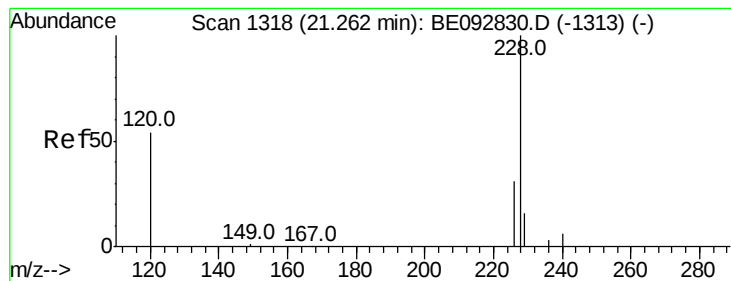
Tot Ion:240 Resp: 47288
 Ion Ratio Lower Upper
 240 100
 120 7.9 2.6 4.0#
 236 29.7 24.6 37.0



#26
 Terphenyl-d14
 Concen: 3.63 ng
 RT: 19.74 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: BE092857.D
 Acq: 29 Mar 2017 4:14

Tgt Ion:244 Resp: 29670
 Ion Ratio Lower Upper
 244 100
 212 10.3 6.7 10.1#
 122 17.9 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.28 min Scan# 1319

Delta R.T. 0.02 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

Instrument :

BNA_E

ClientSampleId :

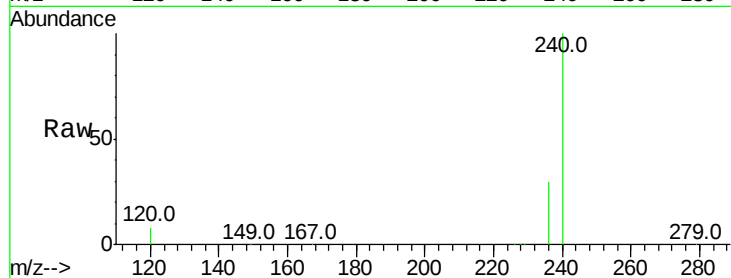
Tot Ion:228 Resp: 243

Ion Ratio Lower Upper

228 100

226 36.1 23.6 35.4#

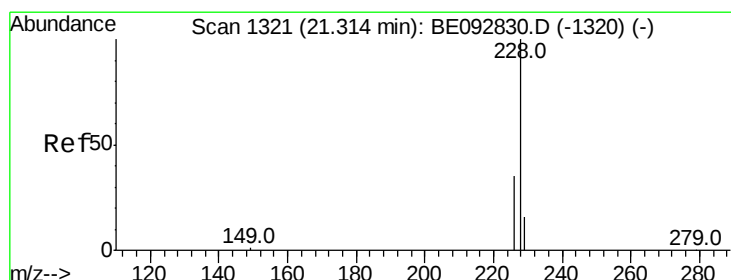
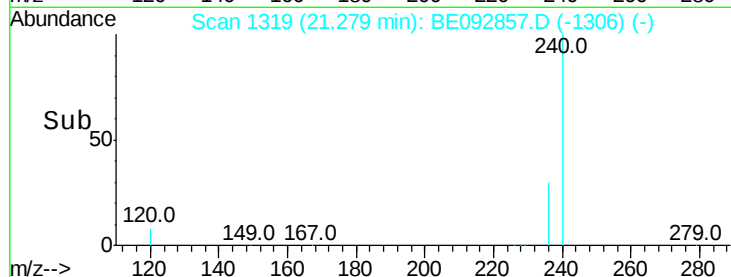
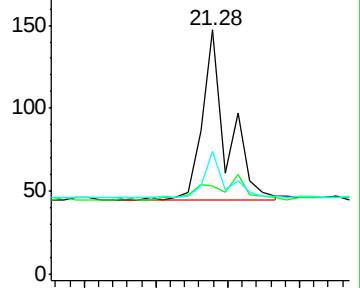
229 50.3 13.3 19.9#



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



#28

Chrysene

Concen: 0.02 ng

RT: 21.28 min Scan# 1319

Delta R.T. -0.04 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

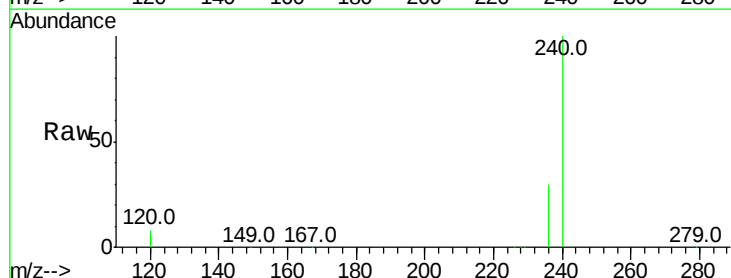
Tgt Ion:228 Resp: 247

Ion Ratio Lower Upper

228 100

226 36.1 36.3 54.5#

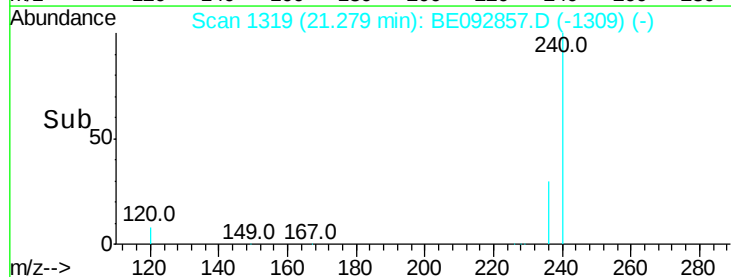
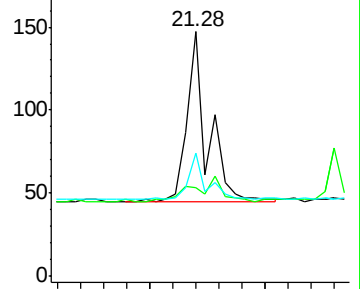
229 50.3 10.6 16.0#

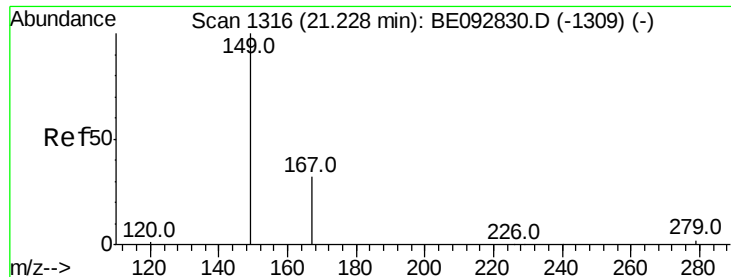


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.04 ng

RT: 21.21 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

Instrument :

BNA_E

ClientSampleId :

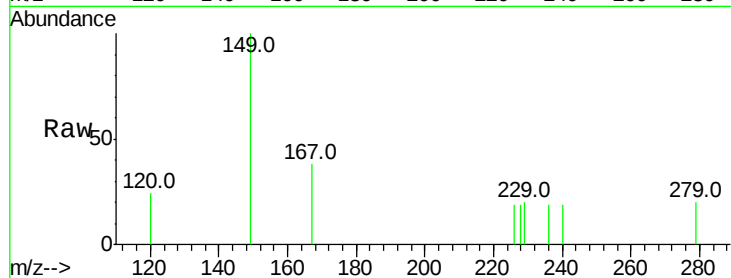
Tot Ion:149 Resp: 205

Ion Ratio Lower Upper

149 100

167 25.9 16.0 24.0#

279 5.9 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

21.21

250

200

150

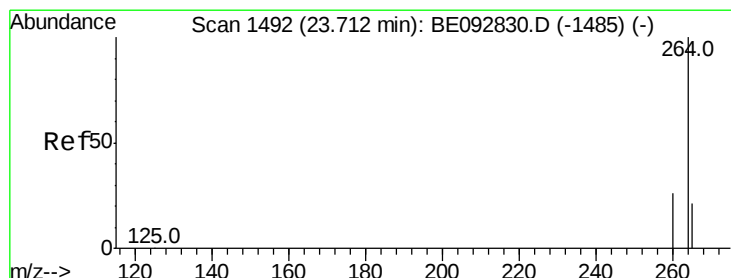
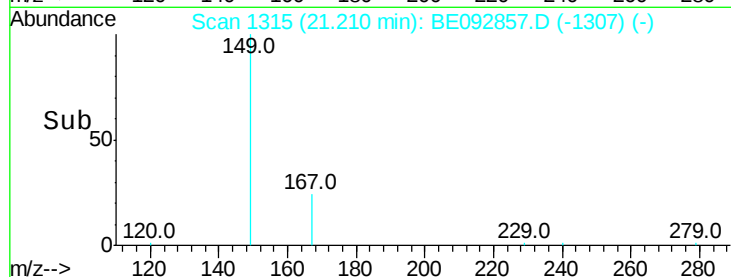
100

50

0

21.10 21.20 21.30

Time-->



#31

Perylene-d12

Concen: 5.00 ng

RT: 23.70 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE092857.D

Acq: 29 Mar 2017 4:14

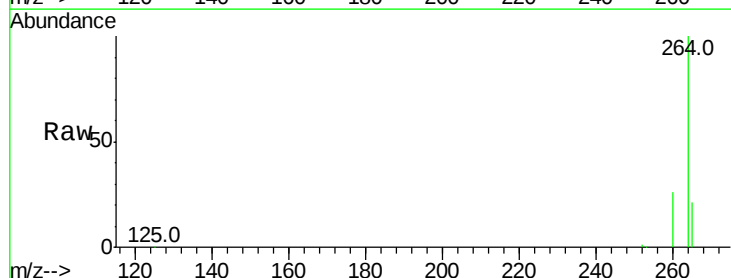
Tgt Ion:264 Resp: 41176

Ion Ratio Lower Upper

264 100

260 25.6 20.1 30.1

265 21.0 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

23.70

25000

20000

15000

10000

5000

0

23.60 23.80

Time-->

