

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021517\
 Data File : BE092744.D
 Acq On : 15 Feb 2017 21:53
 Operator : SJ/MA
 Sample : SURROGATE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 16 03:26:46 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE021517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 17:05:20 2017
 Response via : Initial Calibration

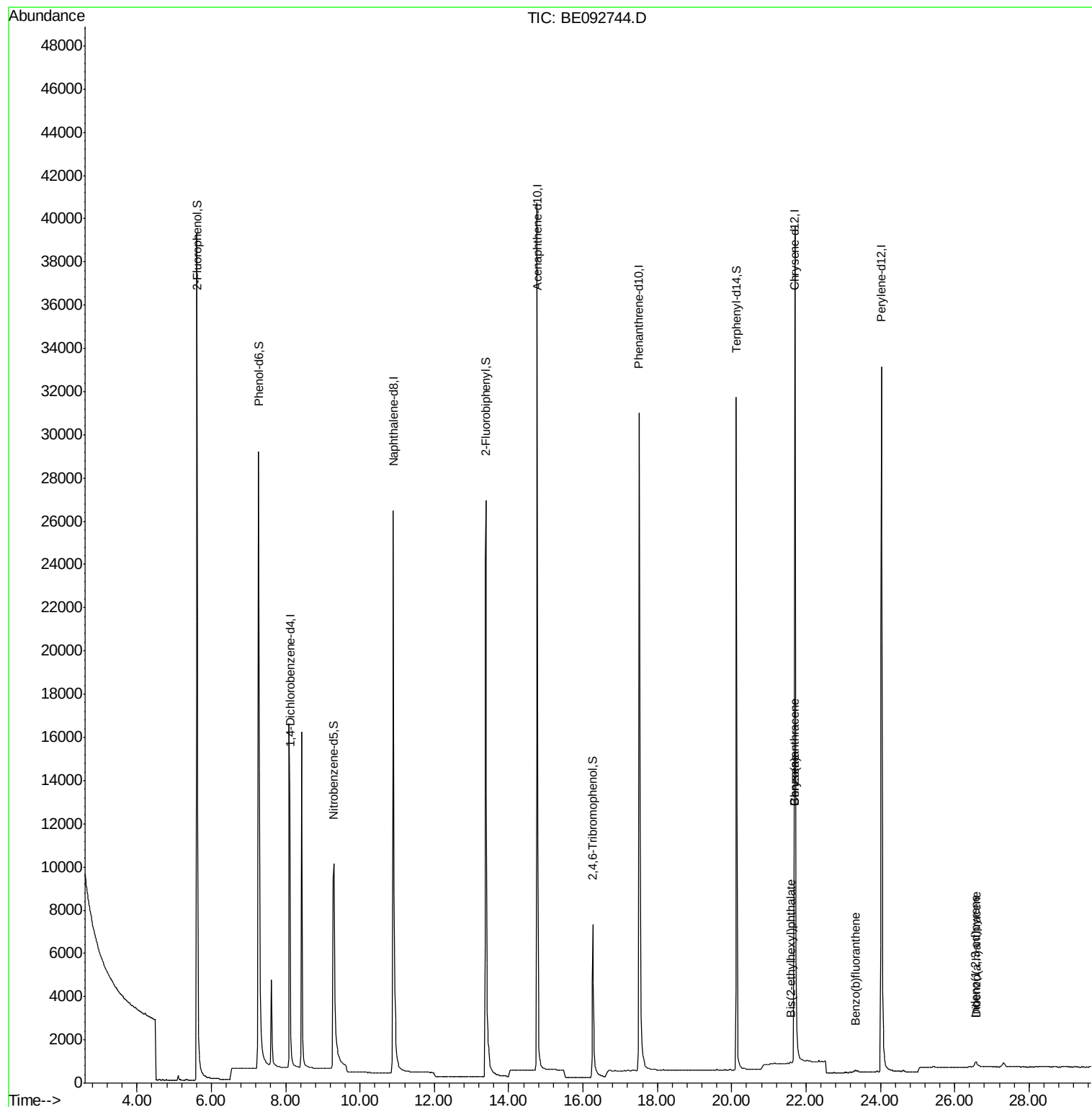
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	12750	5.00	ng	0.00
7) Naphthalene-d8	10.89	136	54262	5.00	ng	0.00
12) Acenaphthene-d10	14.76	164	29577	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	54762	5.00	ng	0.00
24) Chrysene-d12	21.70	240	53863	5.00	ng	0.00
31) Perylene-d12	24.03	264	49820	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.61	112	34470	13.90	ng	-0.02
5) Phenol-d6	7.27	99	41662	13.69	ng	-0.05
8) Nitrobenzene-d5	9.29	82	18546	5.06	ng	-0.02
13) 2,4,6-Tribromophenol	16.26	330	6771	10.79	ng	-0.02
14) 2-Fluorobiphenyl	13.39	172	39410	5.46	ng	-0.01
26) Terphenyl-d14	20.12	244	42545	6.19	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.31	88	1	Below Cal	#	19
27) Benzo(a)anthracene	21.68	228	1383	0.03	ng	# 52
28) Chrysene	21.68	228	1407	0.02	ng	# 78
29) Bis(2-ethylhexyl)phthalate	21.59	149	87	0.07	ng	# 62
30) Indeno(1,2,3-cd)pyrene	26.57	276	902	0.04	ng	# 97
32) Benzo(b)fluoranthene	23.32	252	198	0.05	ng	# 1
35) Dibenzo(a,h)anthracene	26.58	278	181	0.02	ng	# 1

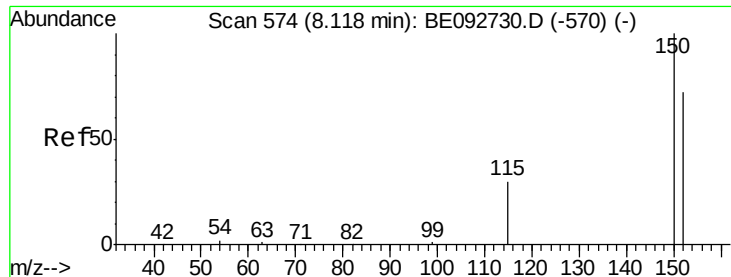
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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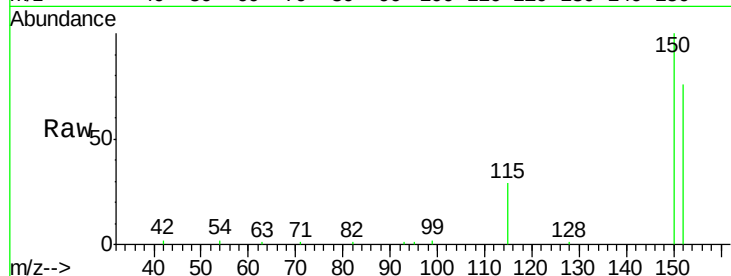


#1

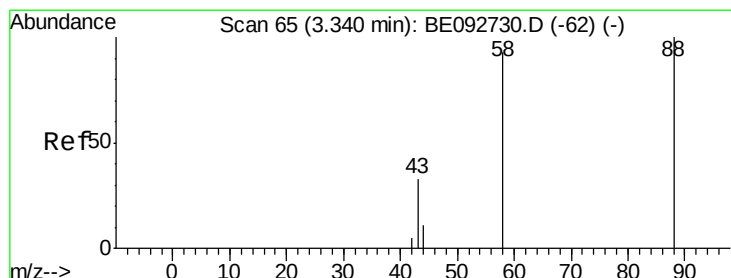
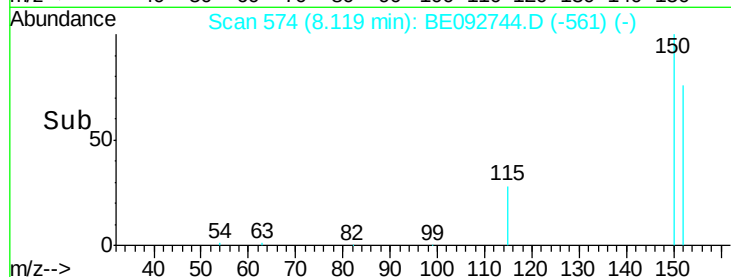
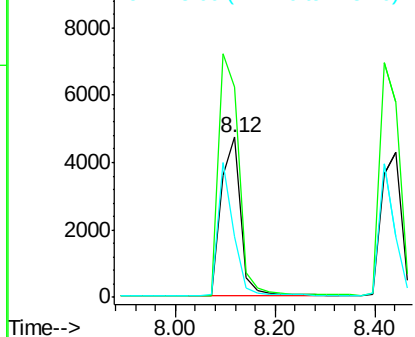
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.12 min Scan# 574
Delta R.T. 0.00 min
Lab File: BE092744.D
Acq: 15 Feb 2017 21:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 12750
Ion Ratio Lower Upper
152 100
150 131.4 106.0 159.0
115 37.5 31.2 46.8



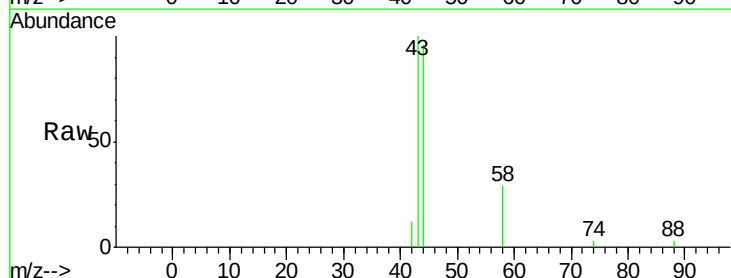
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



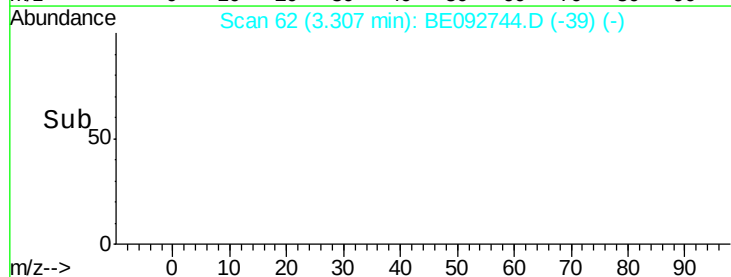
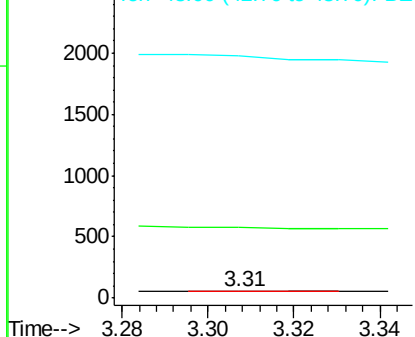
#2

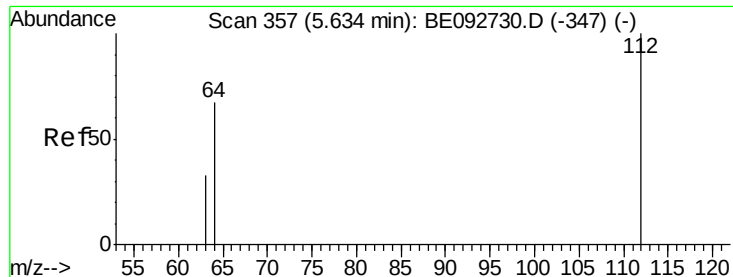
1,4-Dioxane
Concen: Below Cal
RT: 3.31 min Scan# 62
Delta R.T. -0.03 min
Lab File: BE092744.D
Acq: 15 Feb 2017 21:53

Tgt Ion: 88 Resp: 1
Ion Ratio Lower Upper
88 100
58 0.0 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: 13.90 ng

RT: 5.61 min Scan# 353

Delta R.T. -0.02 min

Lab File: BE092744.D

Acq: 15 Feb 2017 21:53

Instrument :

BNA_E

ClientSampled :

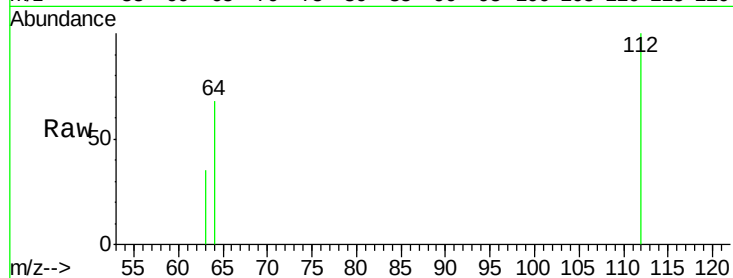
Tot Ion:112 Resp: 34470

Ion Ratio Lower Upper

112 100

64 68.4 53.5 80.3

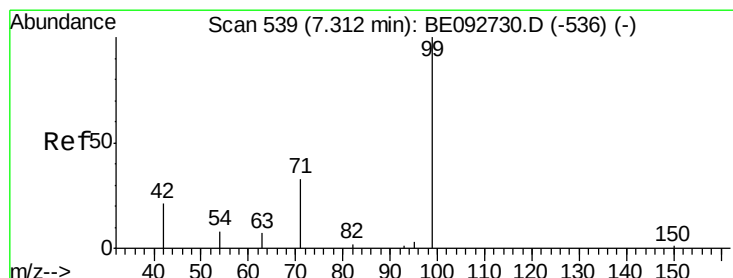
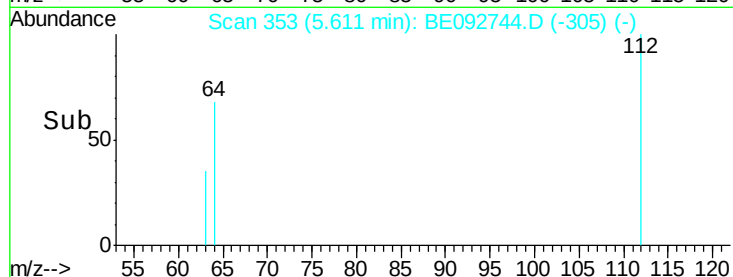
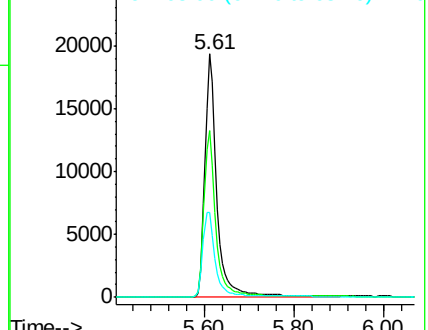
63 36.5 27.9 41.9



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: 13.69 ng

RT: 7.27 min Scan# 537

Delta R.T. -0.05 min

Lab File: BE092744.D

Acq: 15 Feb 2017 21:53

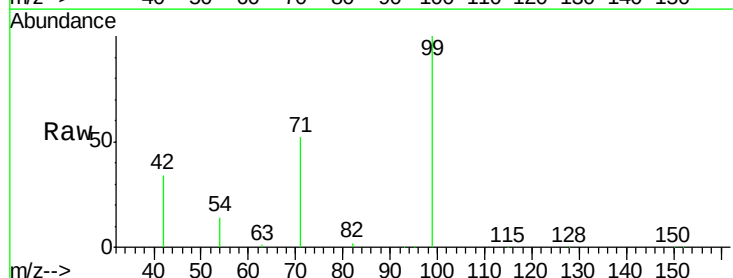
Tgt Ion: 99 Resp: 41662

Ion Ratio Lower Upper

99 100

42 24.5 16.0 24.0#

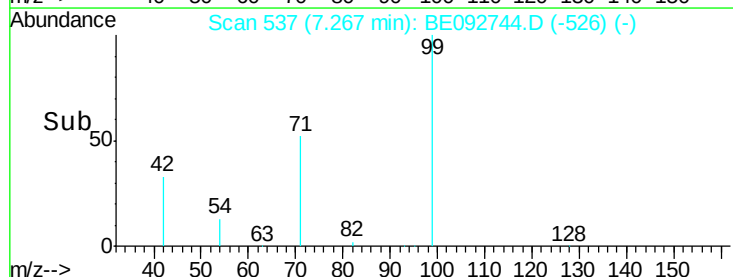
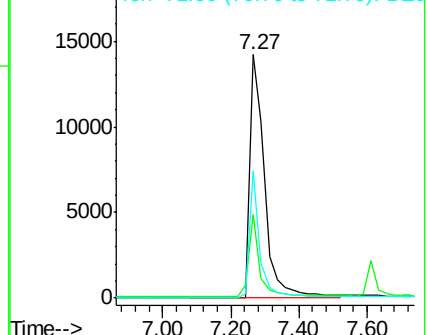
71 37.0 30.6 45.8

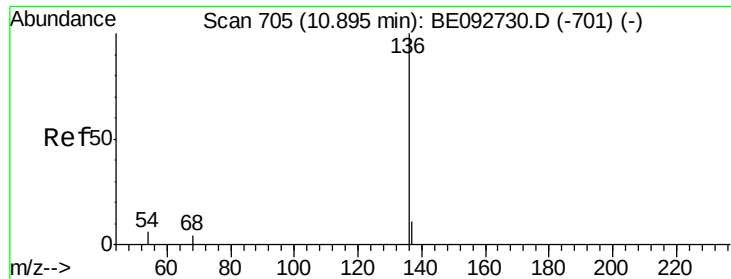


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.89 min Scan# 705

Delta R.T. -0.00 min

Lab File: BE092744.D

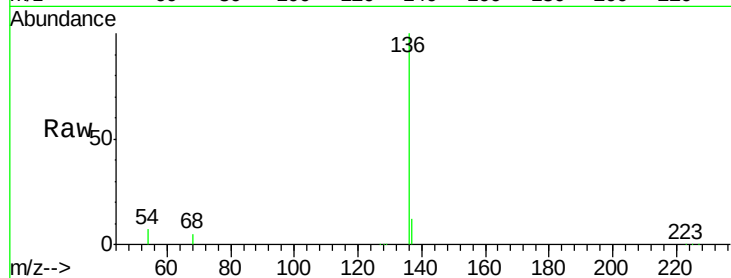
Acq: 15 Feb 2017 21:53

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	54262
Ion	Ratio	Lower Upper
136	100	
137	11.6	8.2 12.4
54	6.5	9.6 14.4#
68	4.9	6.7 10.1#

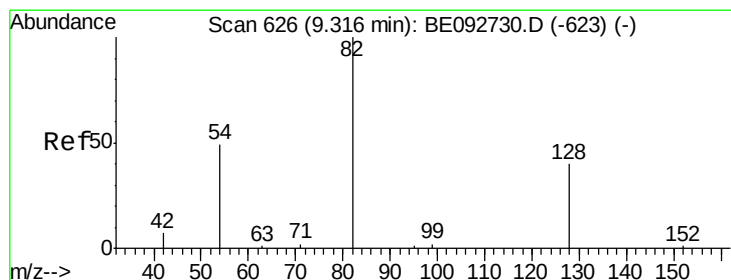
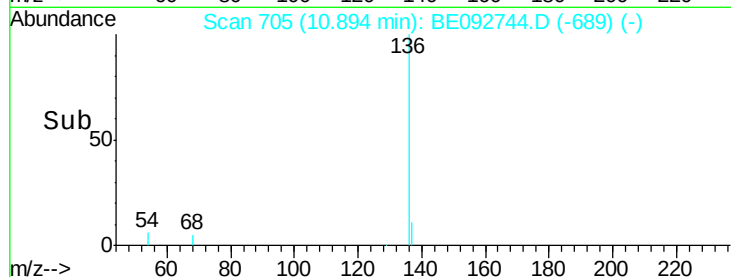
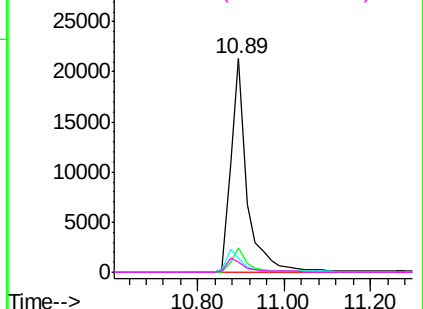


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.06 ng

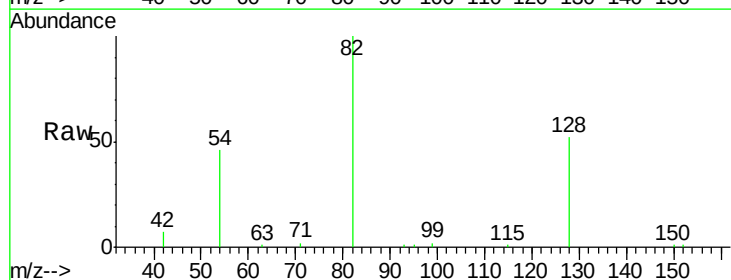
RT: 9.29 min Scan# 625

Delta R.T. -0.02 min

Lab File: BE092744.D

Acq: 15 Feb 2017 21:53

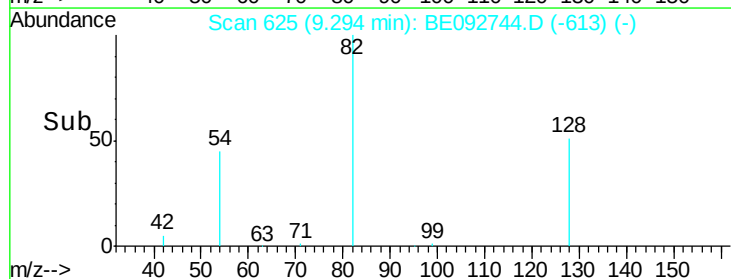
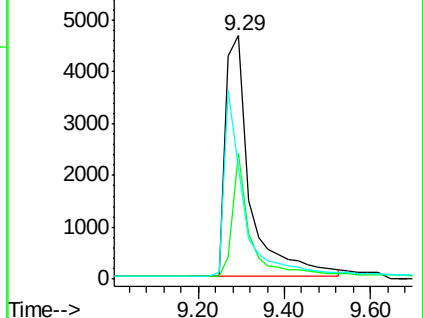
Tgt Ion: 82	Resp:	18546
Ion	Ratio	Lower Upper
82	100	
128	51.7	39.0 58.4
54	45.9	44.8 67.2

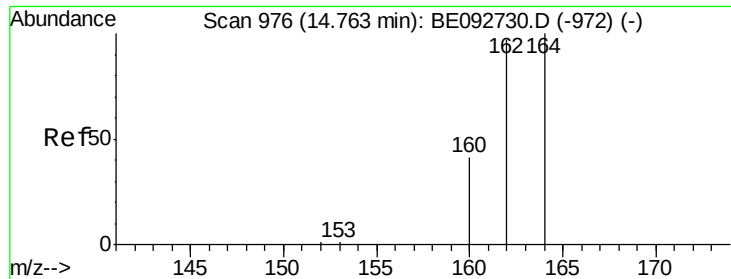


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.76 min Scan# 977

Delta R.T. 0.00 min

Lab File: BE092744.D

Acq: 15 Feb 2017 21:53

Instrument :

BNA_E

ClientSampleId :

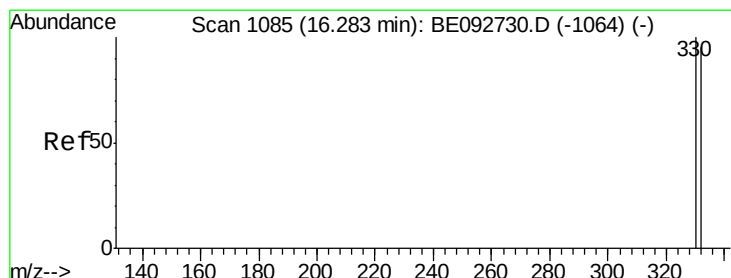
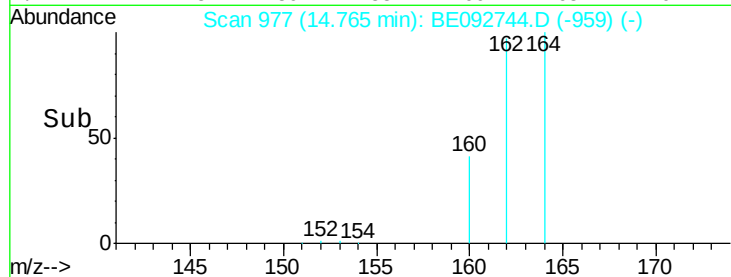
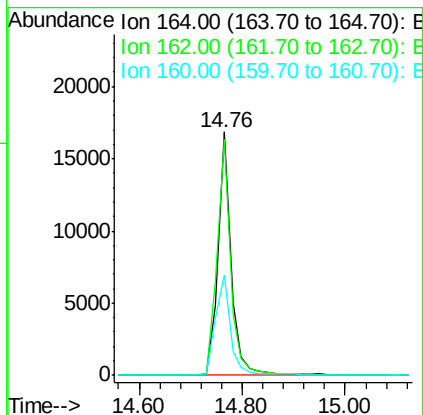
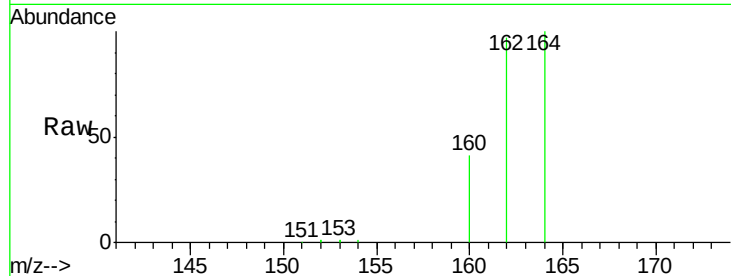
Tot Ion:164 Resp: 29577

Ion Ratio Lower Upper

164 100

162 97.1 71.4 107.0

160 41.4 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 10.79 ng

RT: 16.26 min Scan# 1084

Delta R.T. -0.02 min

Lab File: BE092744.D

Acq: 15 Feb 2017 21:53

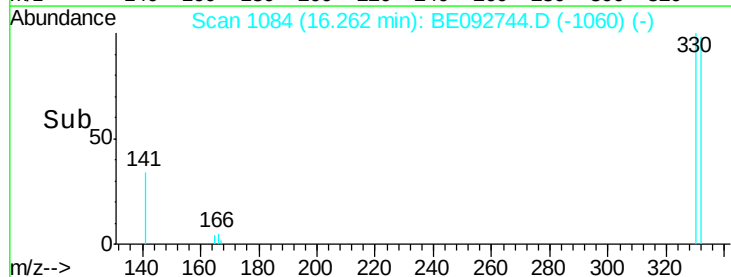
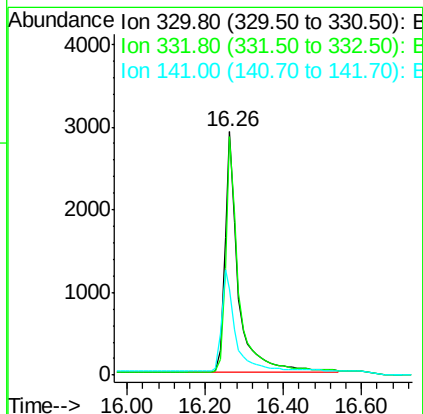
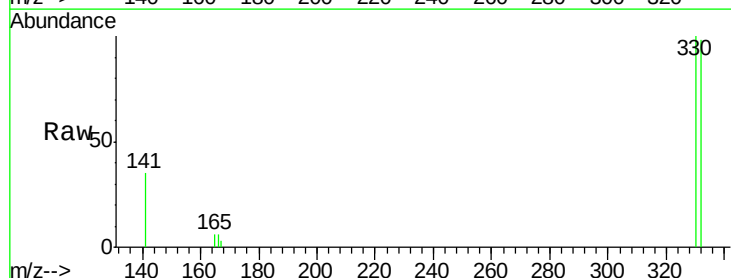
Tgt Ion:330 Resp: 6771

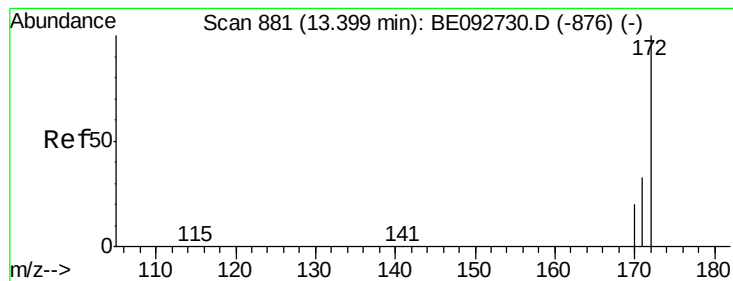
Ion Ratio Lower Upper

330 100

332 96.7 75.4 113.0

141 45.0 31.0 46.6

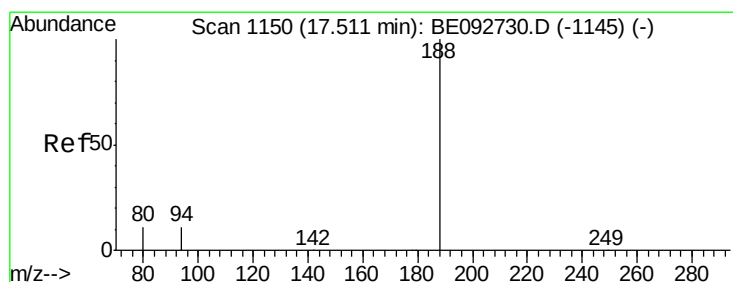
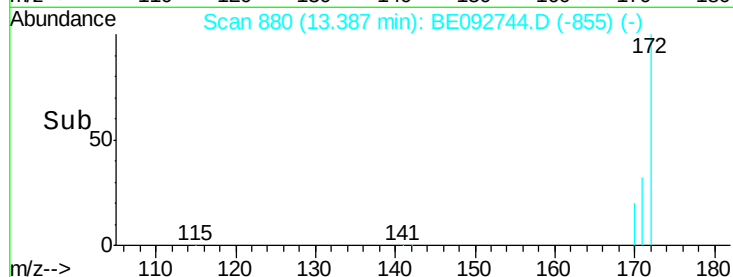
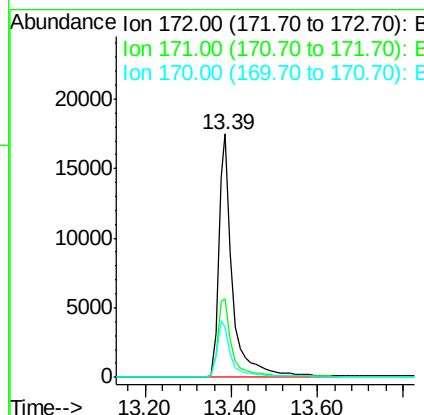
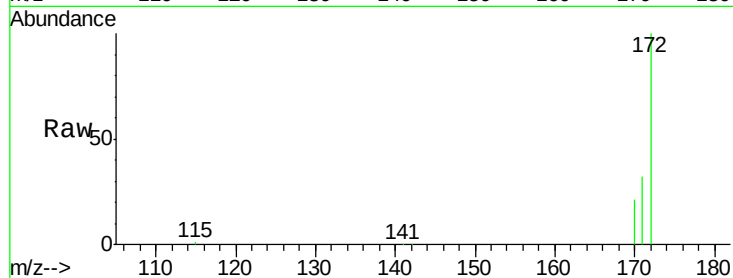




#14
2-Fluorobiphenyl
Concen: 5.46 ng
RT: 13.39 min Scan# 880
Delta R.T. -0.01 min
Lab File: BE092744.D
Acq: 15 Feb 2017 21:53

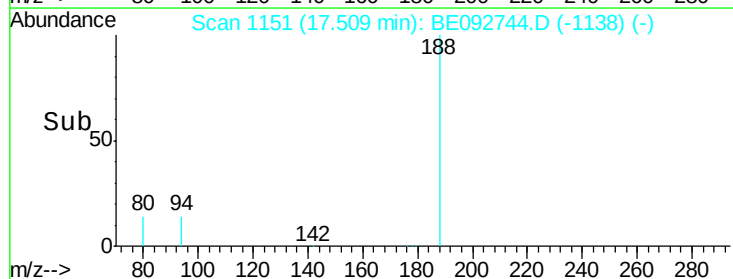
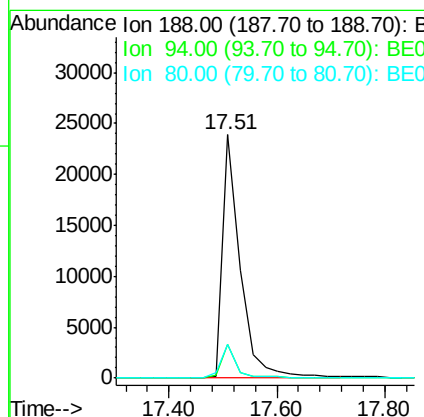
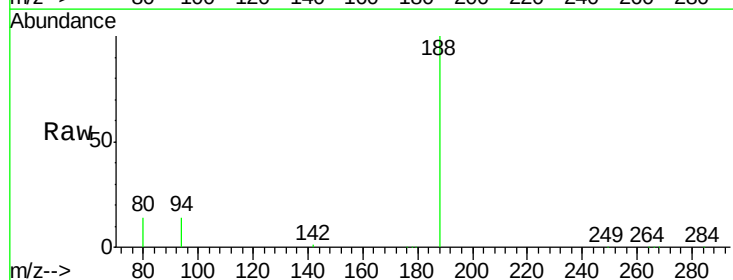
Instrument :
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ClientSampleId :

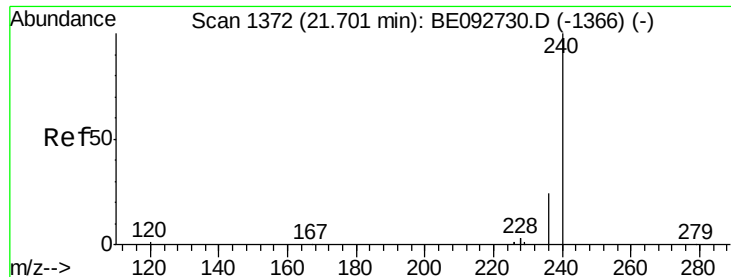
Tot Ion:172 Resp: 39410
Ion Ratio Lower Upper
172 100
171 32.2 30.1 45.1
170 20.6 21.8 32.6#



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE092744.D
Acq: 15 Feb 2017 21:53

Tgt Ion:188 Resp: 54762
Ion Ratio Lower Upper
188 100
94 13.7 3.2 4.8#
80 13.8 2.6 3.8#

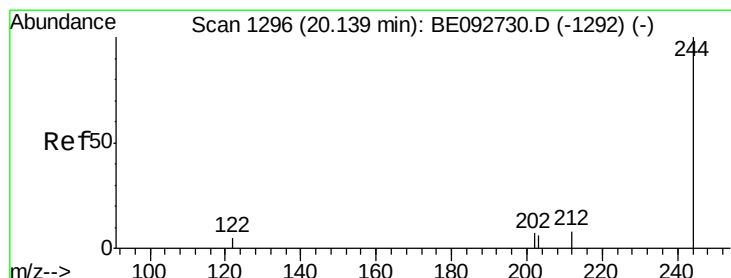
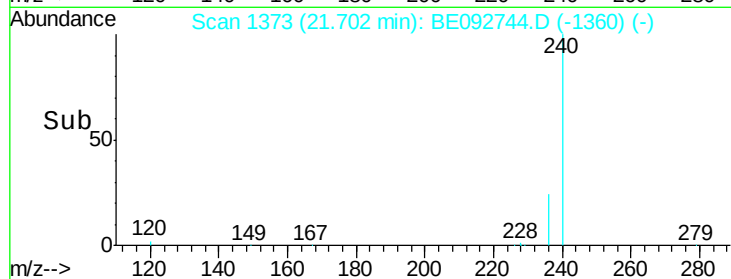
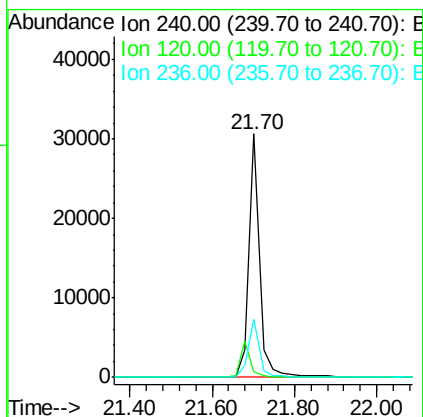
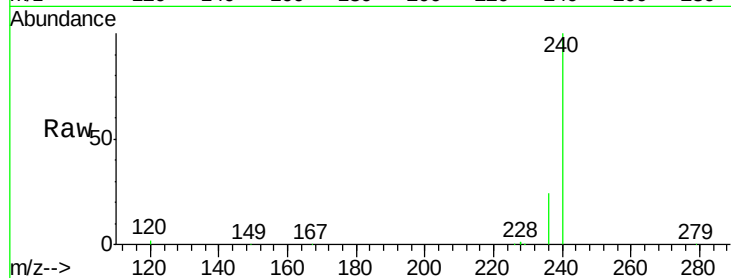




#24
 Chrvsene-d12
 Concen: 5.00 ng
 RT: 21.70 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092744.D
 Acq: 15 Feb 2017 21:53

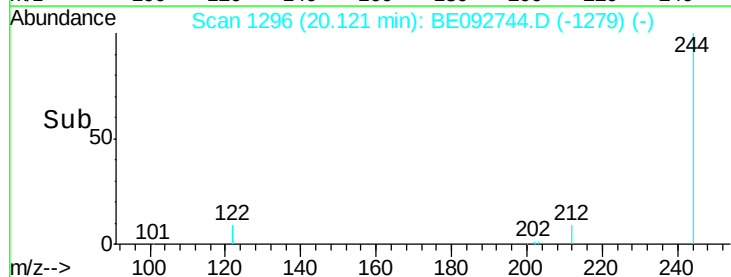
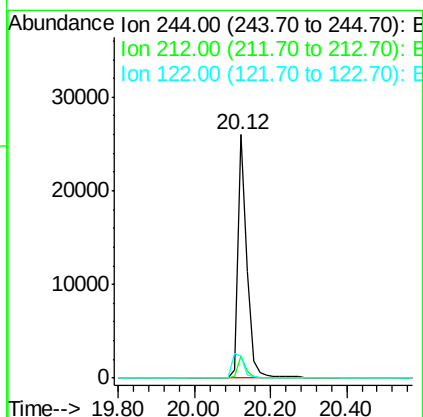
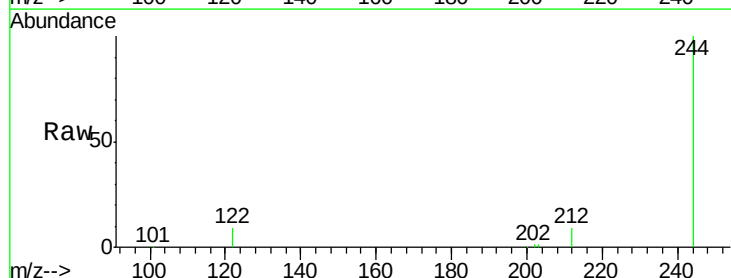
Instrument :
 BNA_E
 ClientSampleId :

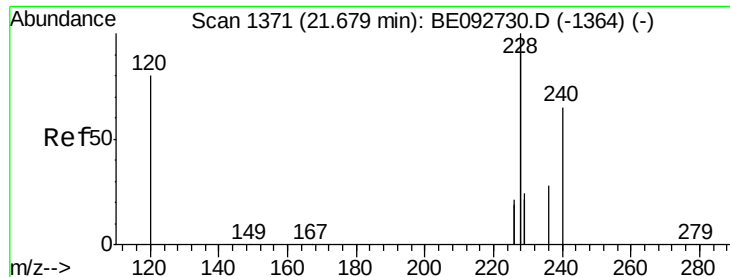
Tot Ion:240 Resp: 53863
 Ion Ratio Lower Upper
 240 100
 120 2.1 2.6 4.0#
 236 24.0 24.6 37.0#



#26
 Terphenyl-d14
 Concen: 6.19 ng
 RT: 20.12 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BE092744.D
 Acq: 15 Feb 2017 21:53

Tgt Ion:244 Resp: 42545
 Ion Ratio Lower Upper
 244 100
 212 9.1 6.7 10.1
 122 9.3 3.6 5.4#

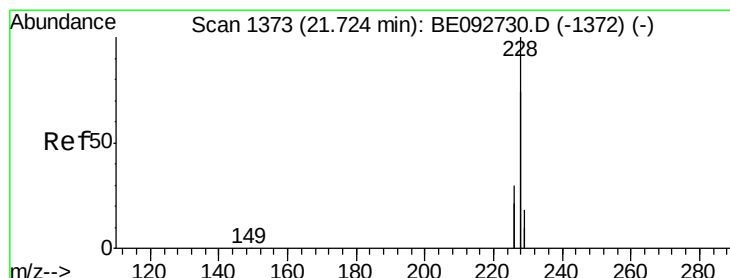
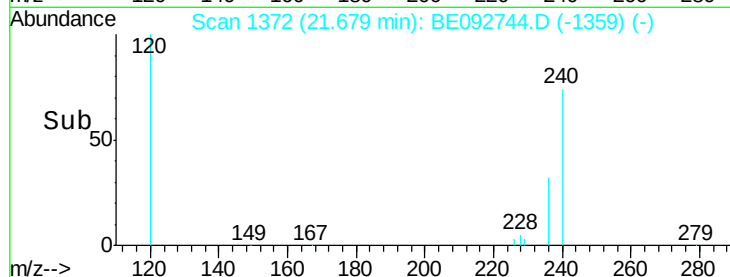
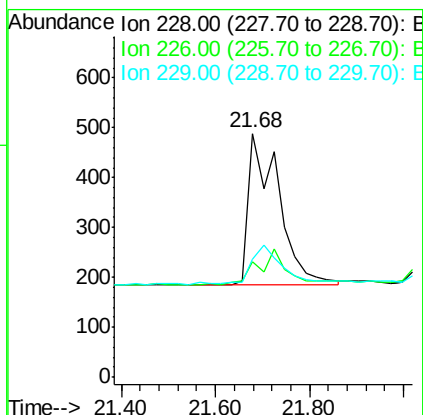
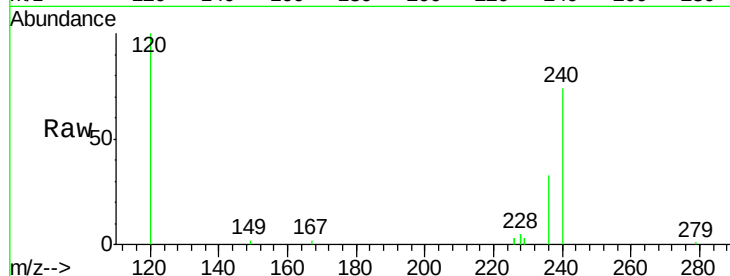




#27
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.68 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE092744.D
Acq: 15 Feb 2017 21:53

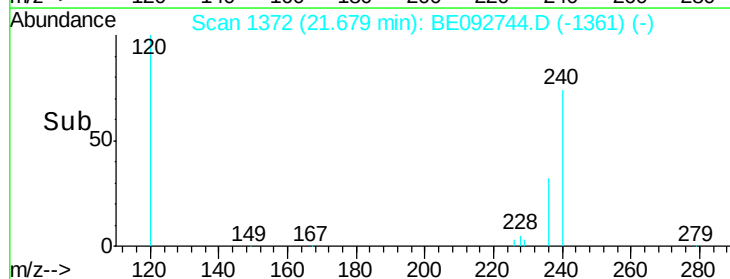
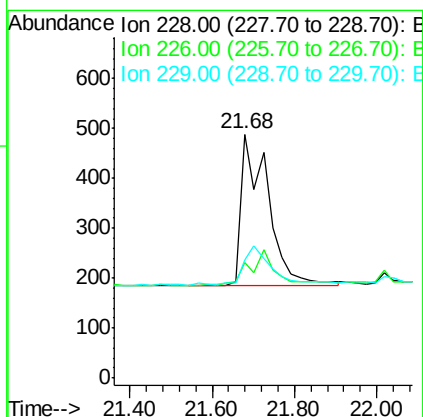
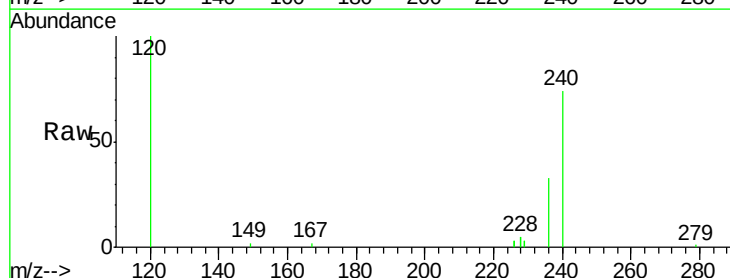
Instrument :
BNA_E
ClientSampleId :

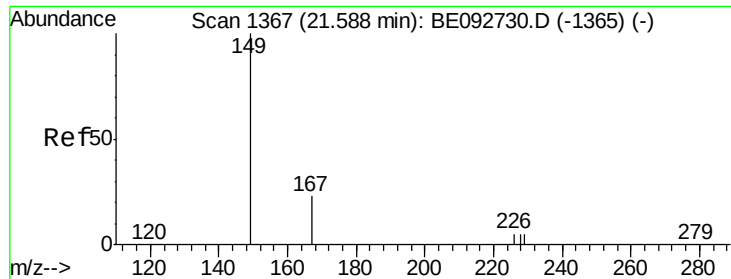
Tot Ion:228 Resp: 1383
Ion Ratio Lower Upper
228 100
226 47.5 23.6 35.4#
229 48.4 13.3 19.9#



#28
Chrysene
Concen: 0.02 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.04 min
Lab File: BE092744.D
Acq: 15 Feb 2017 21:53

Tgt Ion:228 Resp: 1407
Ion Ratio Lower Upper
228 100
226 47.5 36.3 54.5
229 48.4 10.6 16.0#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.07 ng

RT: 21.59 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE092744.D

Acq: 15 Feb 2017 21:53

Instrument :

BNA_E

ClientSampleId :

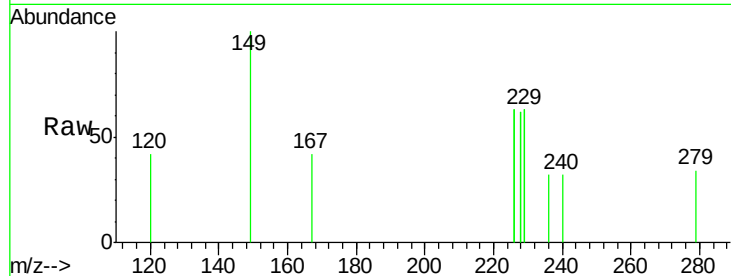
Tot Ion:149 Resp: 87

Ion Ratio Lower Upper

149 100

167 34.5 16.0 24.0#

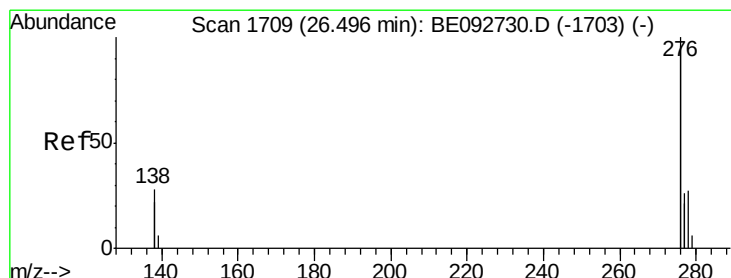
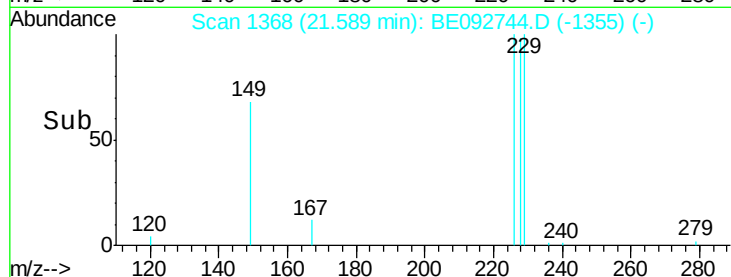
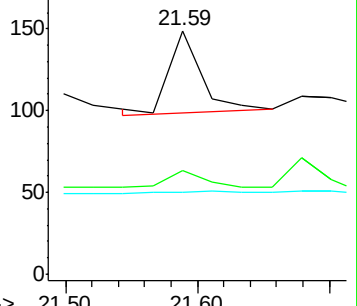
279 0.0 16.0 24.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng

RT: 26.57 min Scan# 1714

Delta R.T. 0.07 min

Lab File: BE092744.D

Acq: 15 Feb 2017 21:53

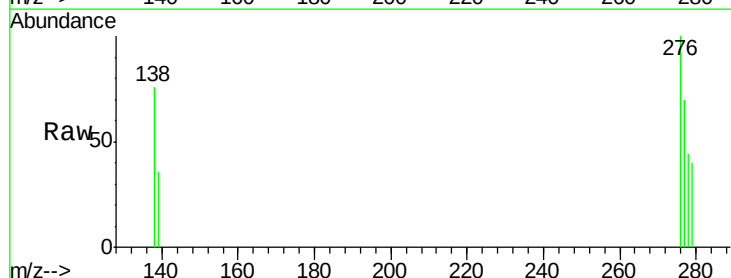
Tgt Ion:276 Resp: 902

Ion Ratio Lower Upper

276 100

138 24.7 20.3 30.5

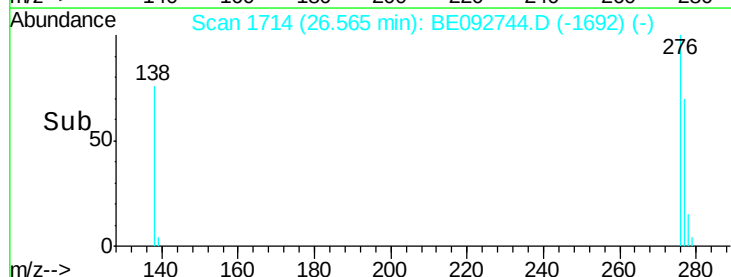
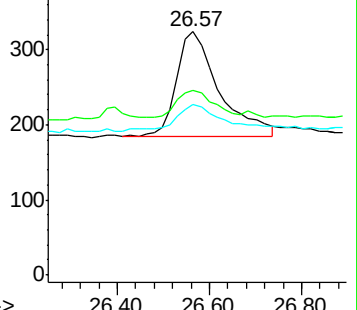
277 26.5 19.7 29.5

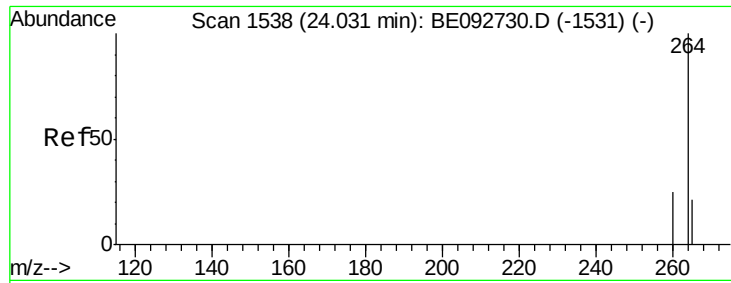


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

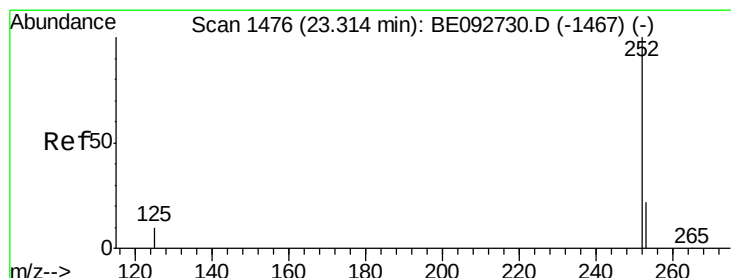
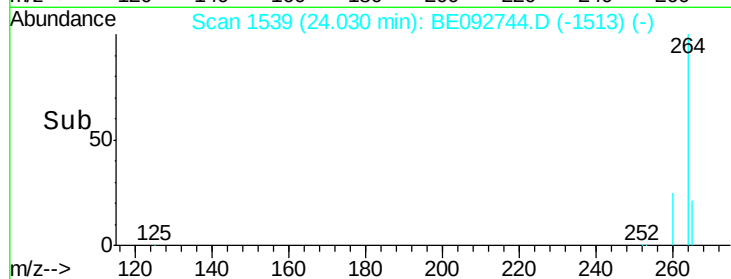
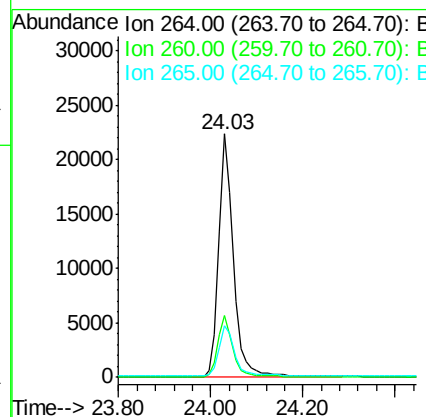
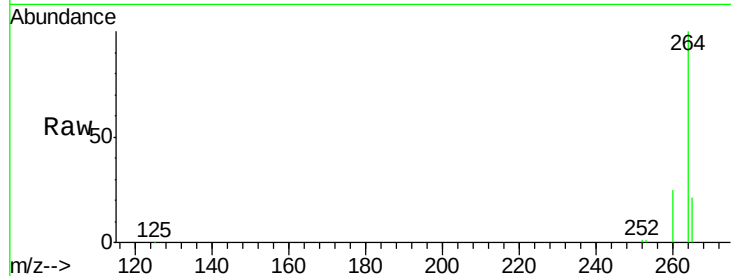




#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.03 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BE092744.D
Acq: 15 Feb 2017 21:53

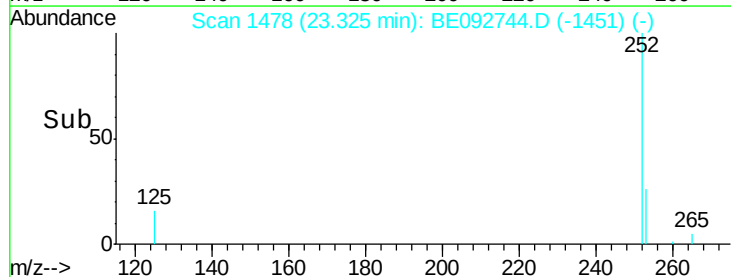
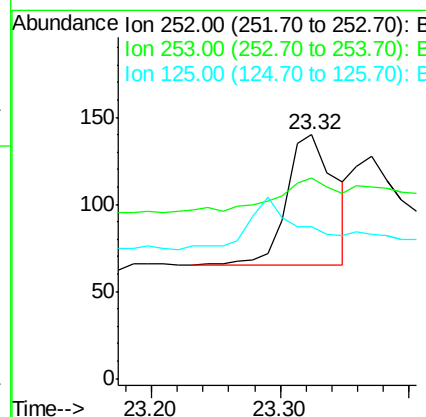
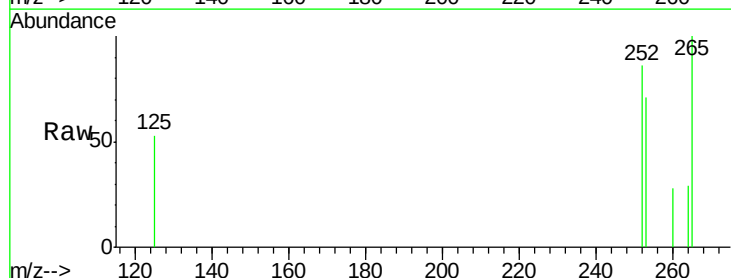
Instrument :
BNA_E
ClientSampleId :

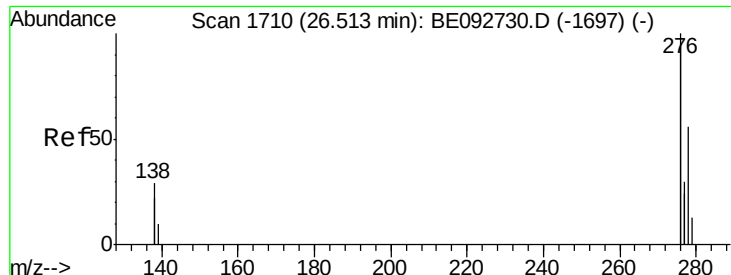
Tot Ion:264 Resp: 49820
Ion Ratio Lower Upper
264 100
260 25.3 20.1 30.1
265 21.3 17.9 26.9



#32
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 23.32 min Scan# 1478
Delta R.T. 0.01 min
Lab File: BE092744.D
Acq: 15 Feb 2017 21:53

Tgt Ion:252 Resp: 198
Ion Ratio Lower Upper
252 100
253 82.1 18.7 28.1#
125 62.1 10.5 15.7#





#35

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.58 min Scan# 1715

Delta R.T. 0.07 min

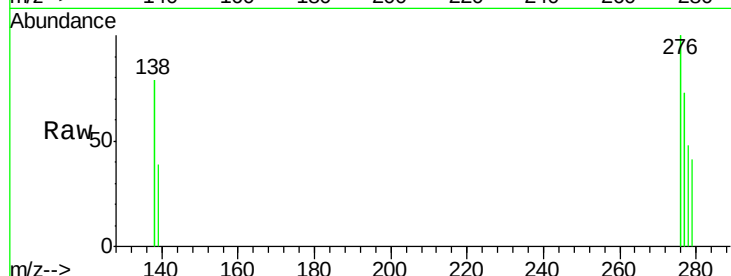
Lab File: BE092744.D

Acq: 15 Feb 2017 21:53

Instrument :

BNA_E

ClientSampleId :



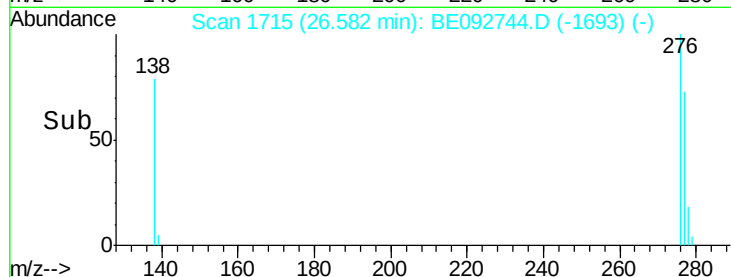
Tot Ion:278 Resp: 181

Ion Ratio Lower Upper

278 100

139 81.1 13.8 20.8#

279 85.1 21.4 32.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

100

80

60

40

20

0

26.40

26.60

26.80

Time-->