

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021017\
 Data File : BE092725.D
 Acq On : 10 Feb 2017 17:20
 Operator : SJ/MA
 Sample : I1756-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-170207

Quant Time: Feb 10 17:54:52 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

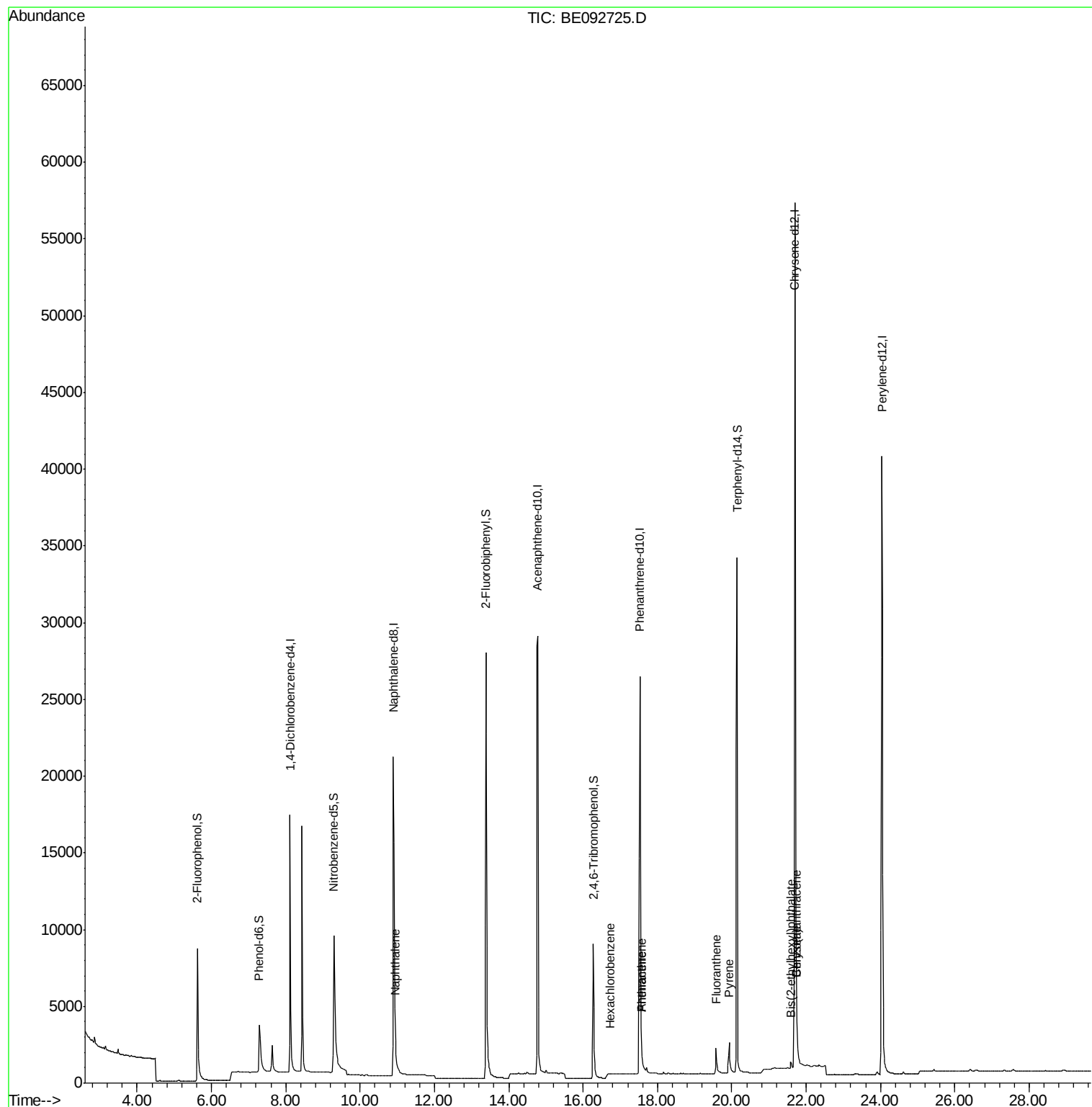
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	10089	5.00	ng	-0.02
7) Naphthalene-d8	10.89	136	43137	5.00	ng	-0.02
12) Acenaphthene-d10	14.78	164	26764	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	50920	5.00	ng	0.00
24) Chrysene-d12	21.70	240	69799	5.00	ng	-0.02
31) Perylene-d12	24.04	264	63066	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.63	112	9311	4.13	ng	-0.03
5) Phenol-d6	7.29	99	6504	2.36	ng	-0.05
8) Nitrobenzene-d5	9.29	82	14322	5.11	ng	-0.05
13) 2,4,6-Tribromophenol	16.27	330	7553	9.53	ng	-0.02
14) 2-Fluorobiphenyl	13.39	172	36167	5.49	ng	-0.03
26) Terphenyl-d14	20.14	244	49982	5.07	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.36	88	78	Below Cal	#	19
9) Naphthalene	10.95	128	632	0.07 ng	#	68
19) Hexachlorobenzene	16.73	284	479	0.20 ng	#	39
21) Phenanthrene	17.58	178	492	0.04 ng	#	57
22) Anthracene	17.58	178	492	0.05 ng	#	61
23) Fluoranthene	19.58	202	3325	0.07 ng		98
25) Pyrene	19.93	202	3091	0.04 ng		99
27) Benzo(a)anthracene	21.75	228	5572	0.08 ng	#	72
28) Chrysene	21.75	228	5681	0.07 ng	#	79
29) Bis(2-ethylhexyl)phthalate	21.59	149	831	0.26 ng	#	56

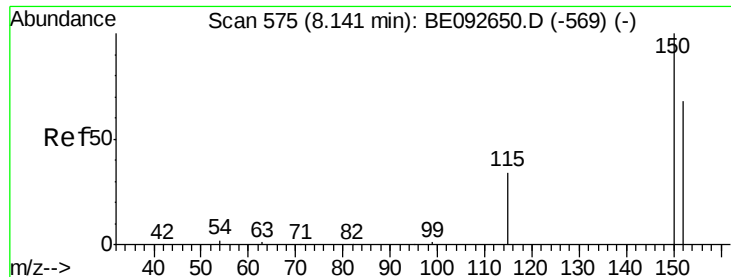
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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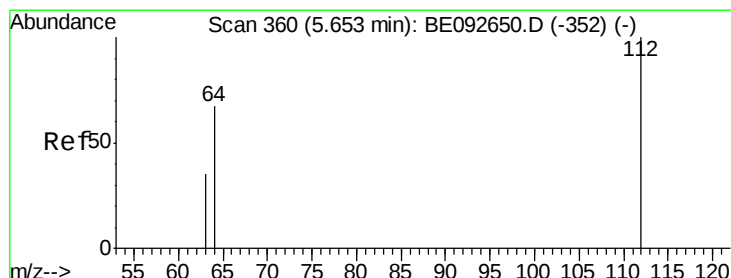
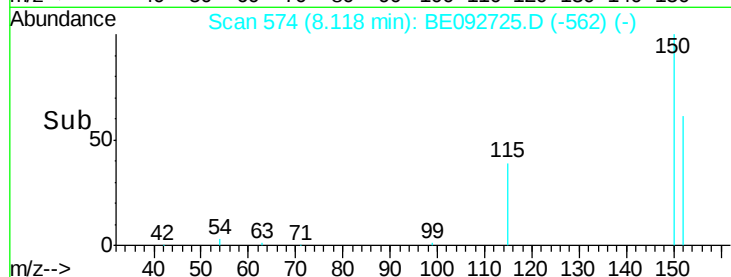
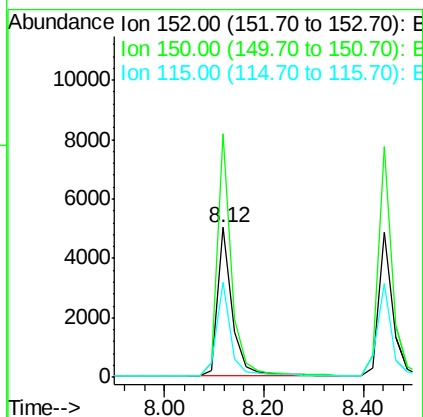
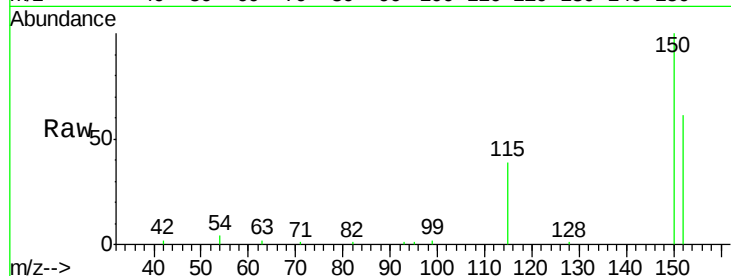


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.12 min Scan# 574
Delta R.T. -0.02 min
Lab File: BE092725.D
Acq: 10 Feb 2017 17:20

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-170207

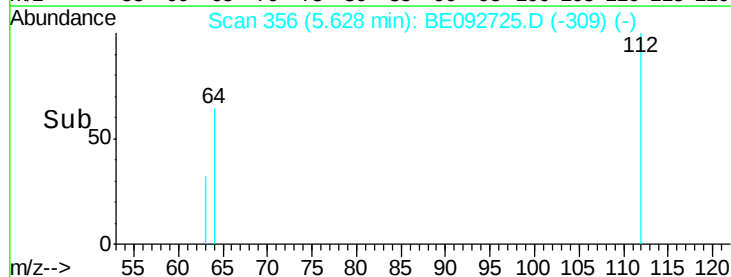
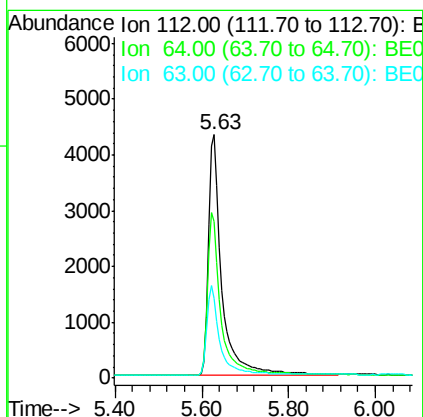
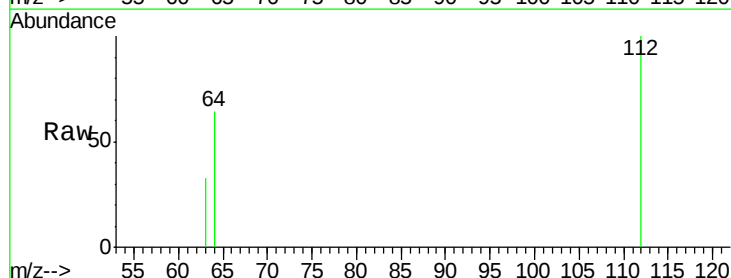
Tgt Ion:152 Resp: 10089
Ion Ratio Lower Upper
152 100
150 162.6 106.0 159.0#
115 63.9 31.2 46.8#

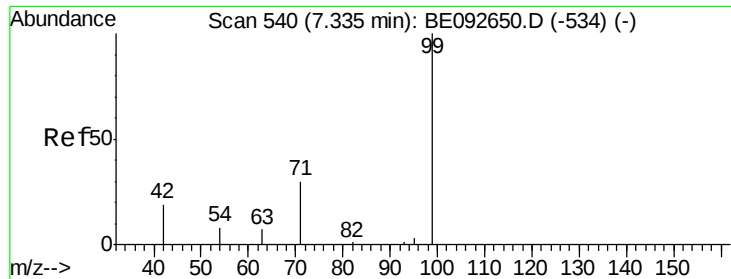


#4

2-Fluorophenol
Concen: 4.13 ng
RT: 5.63 min Scan# 356
Delta R.T. -0.03 min
Lab File: BE092725.D
Acq: 10 Feb 2017 17:20

Tgt Ion:112 Resp: 9311
Ion Ratio Lower Upper
112 100
64 67.5 53.5 80.3
63 36.0 27.9 41.9





#5

Phenol-d6

Concen: 2.36 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.05 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170207

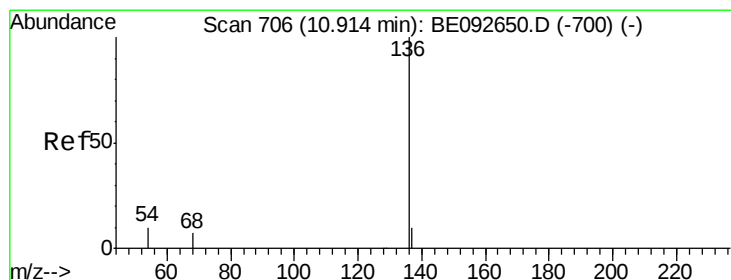
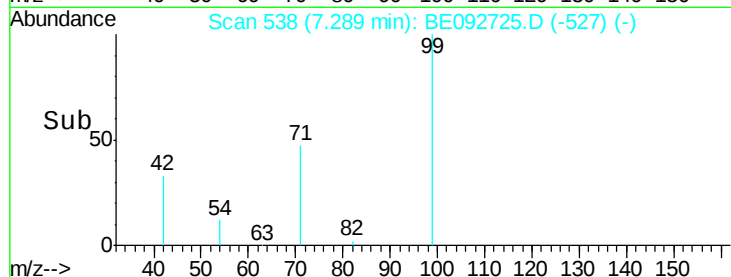
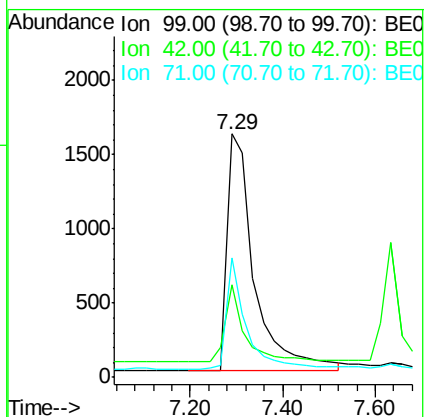
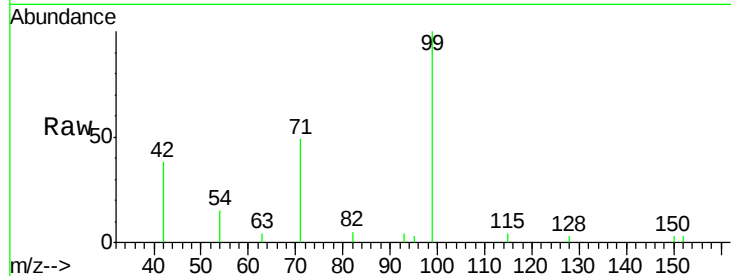
Tgt Ion: 99 Resp: 6504

Ion Ratio Lower Upper

99 100

42 23.6 16.0 24.0

71 35.0 30.6 45.8



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.89 min Scan# 705

Delta R.T. -0.02 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

Tgt Ion: 136 Resp: 43137

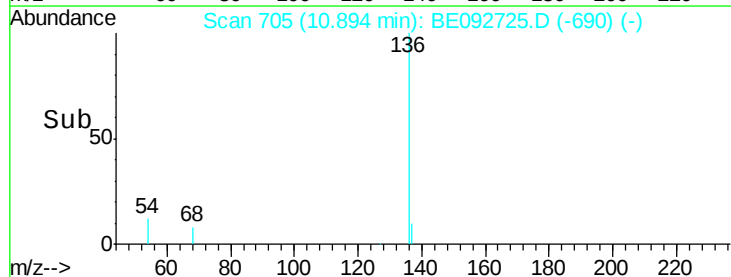
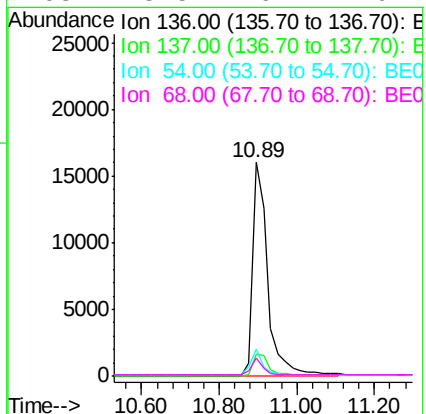
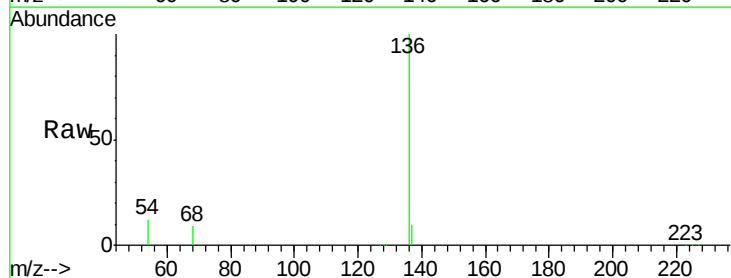
Ion Ratio Lower Upper

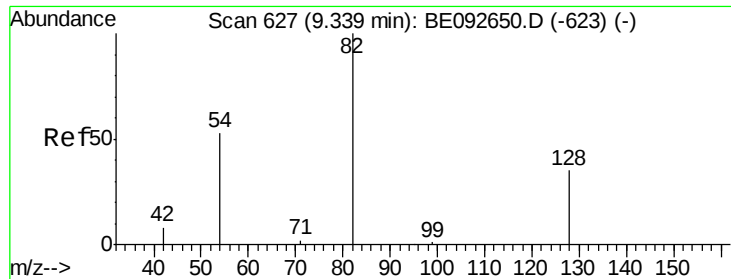
136 100

137 10.1 8.2 12.4

54 12.3 9.6 14.4

68 8.5 6.7 10.1





#8

Nitrobenzene-d5

Concen: 5.11 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.05 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170207

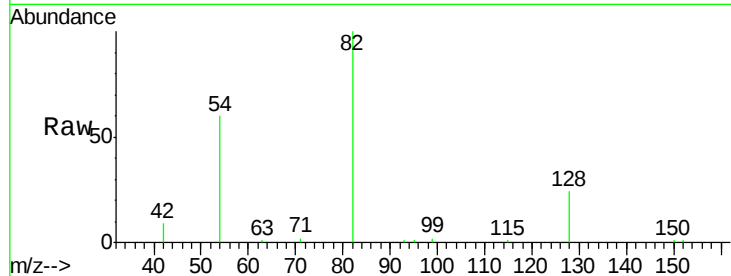
Tgt Ion: 82 Resp: 14322

Ion Ratio Lower Upper

82 100

128 23.8 39.0 58.4#

54 60.0 44.8 67.2

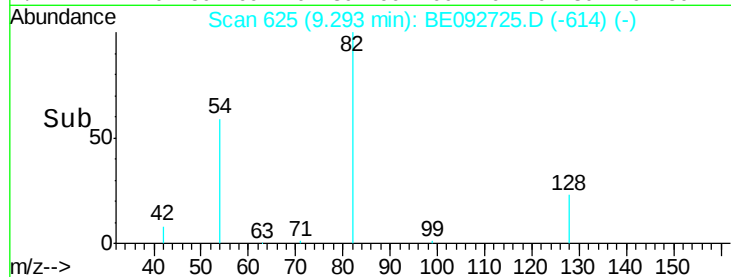


Abundance Ion 82.00 (81.70 to 82.70): BE0

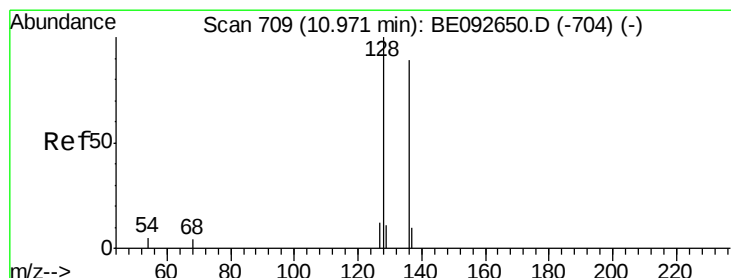
Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 0.07 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

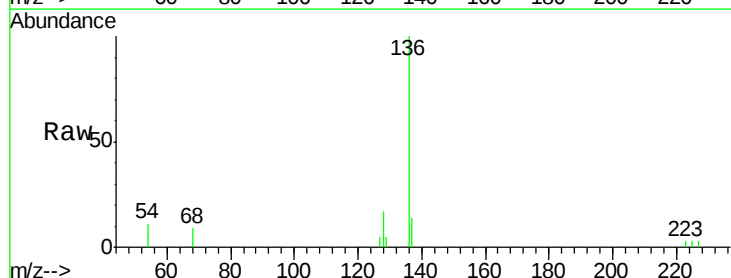
Tgt Ion: 128 Resp: 632

Ion Ratio Lower Upper

128 100

129 27.7 11.2 16.8#

127 27.0 11.6 17.4#

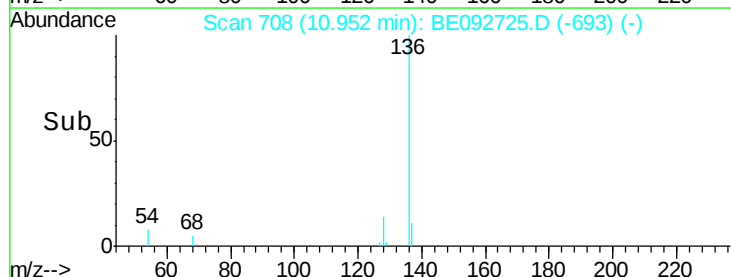


Abundance Ion 128.00 (127.70 to 128.70): E

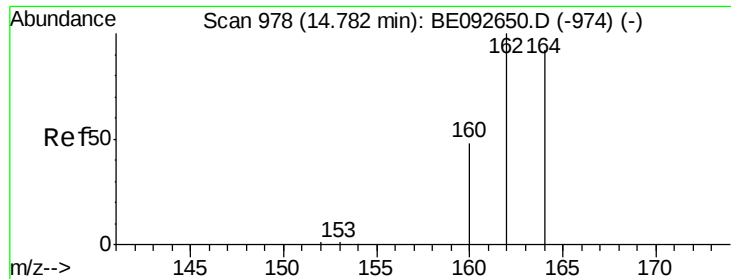
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->



Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 977

Delta R.T. -0.00 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170207

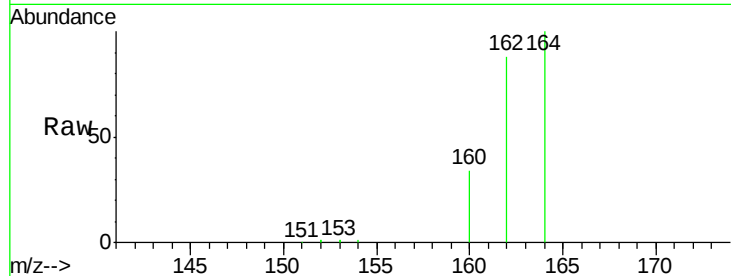
Tgt Ion:164 Resp: 26764

Ion Ratio Lower Upper

164 100

162 87.9 71.4 107.0

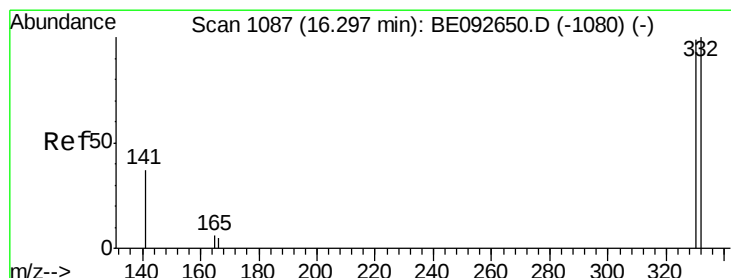
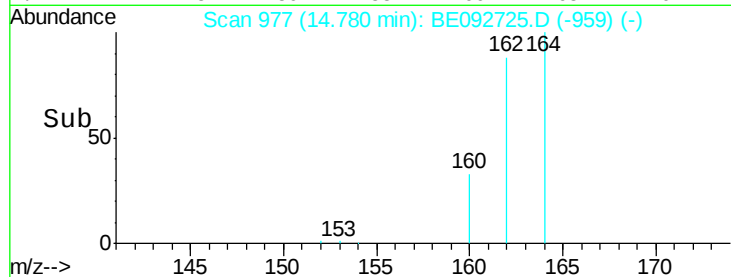
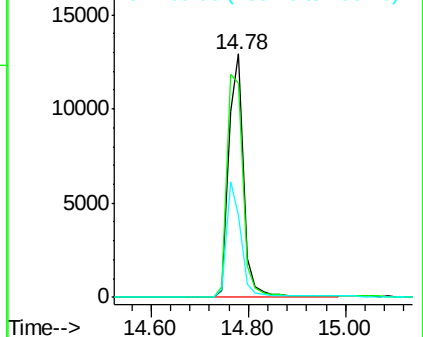
160 33.6 27.4 41.2



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: 9.53 ng

RT: 16.27 min Scan# 1084

Delta R.T. -0.02 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

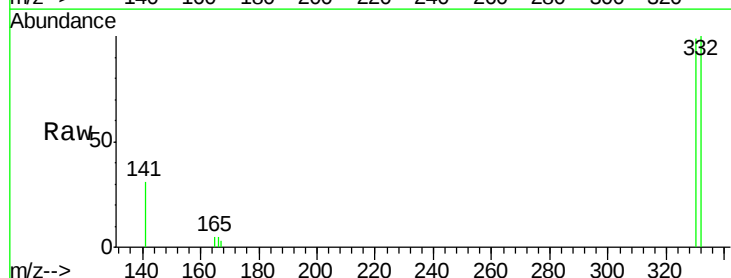
Tgt Ion:330 Resp: 7553

Ion Ratio Lower Upper

330 100

332 96.8 75.4 113.0

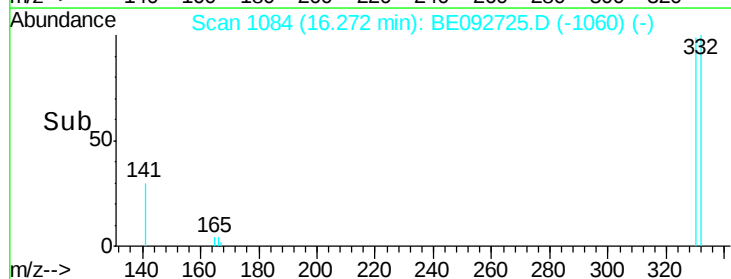
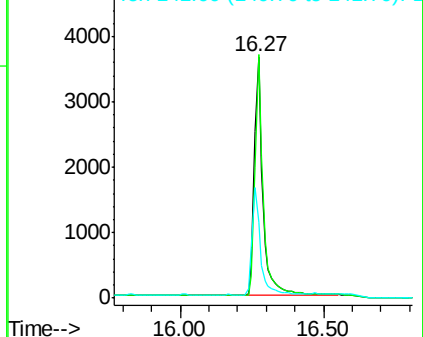
141 43.7 31.0 46.6

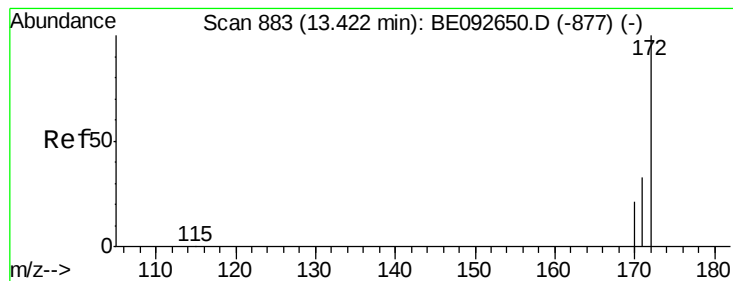


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 5.49 ng

RT: 13.39 min Scan# 880

Delta R.T. -0.03 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

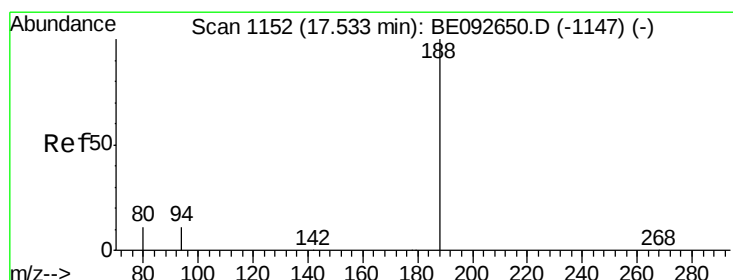
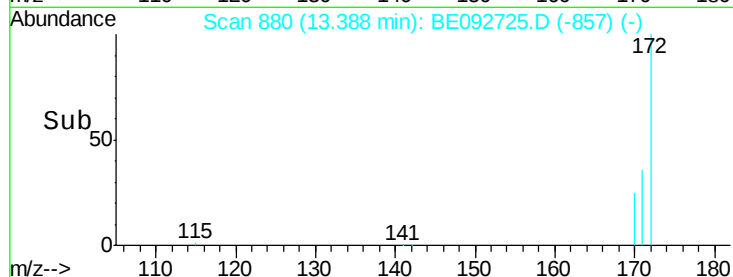
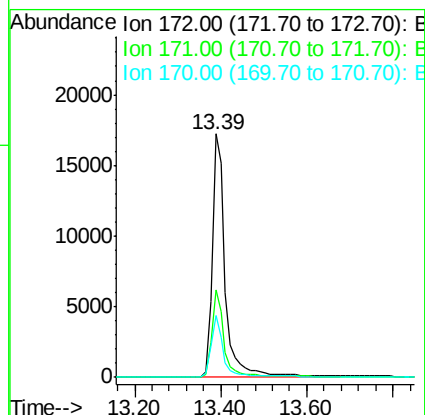
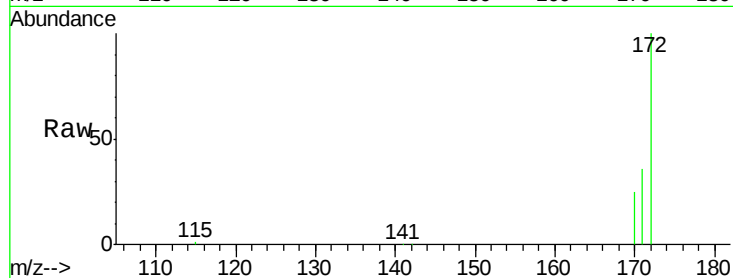
Instrument :

BNA_E

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OUTFALL001-170207

Tgt Ion:	172	Resp:	36167
Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.1	45.1
170	25.3	21.8	32.6



#18

Phenanthrene-d10

Concen: 5.00 ng

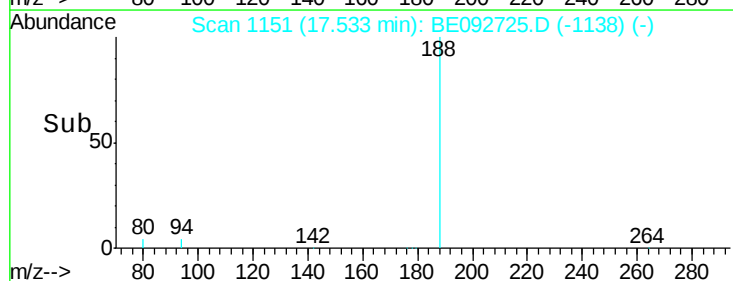
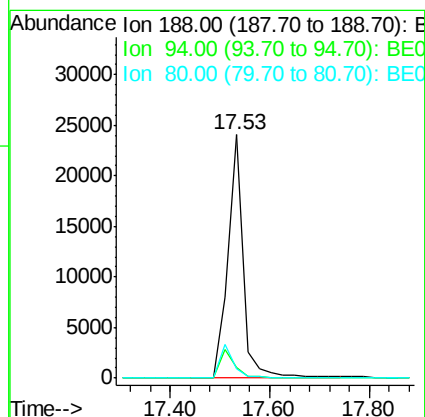
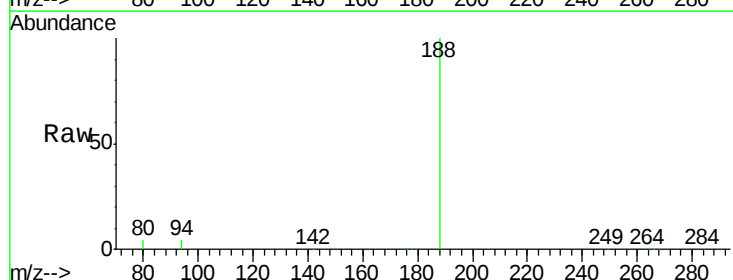
RT: 17.53 min Scan# 1151

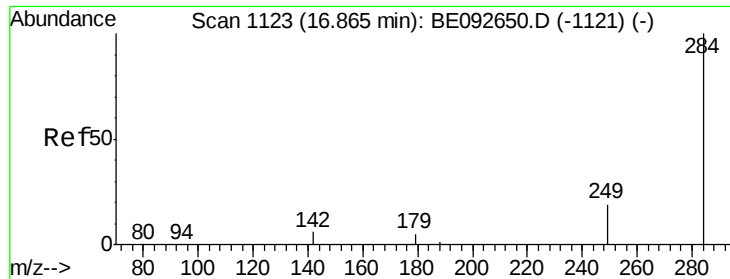
Delta R.T. 0.00 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

Tgt Ion:	188	Resp:	50920
Ion	Ratio	Lower	Upper
188	100		
94	4.3	3.2	4.8
80	3.8	2.6	3.8





#19

Hexachlorobenzene

Concen: 0.20 ng

RT: 16.73 min Scan# 1116

Delta R.T. -0.14 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170207

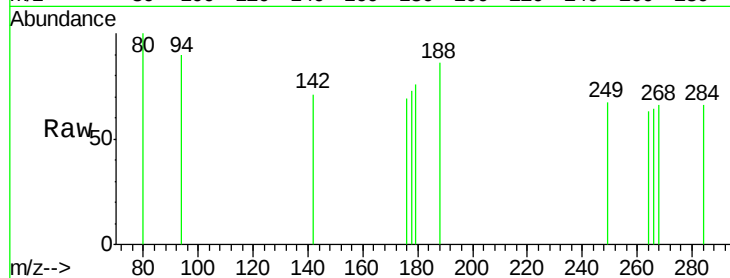
Tgt Ion: 284 Resp: 479

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

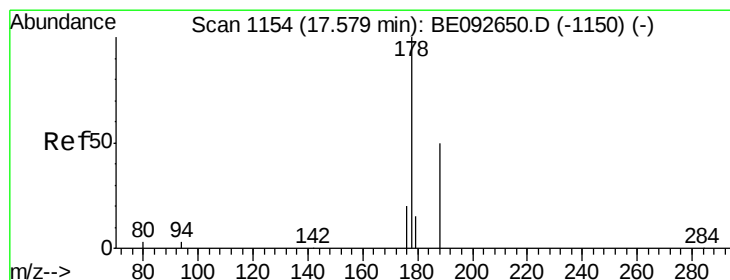
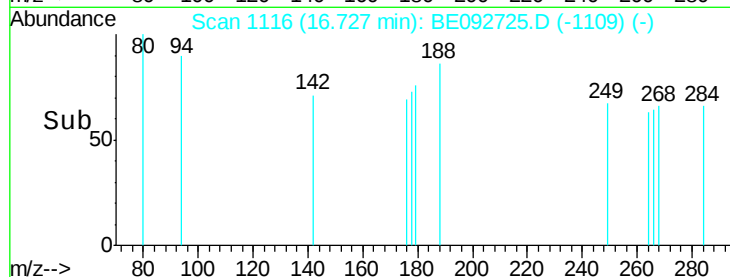
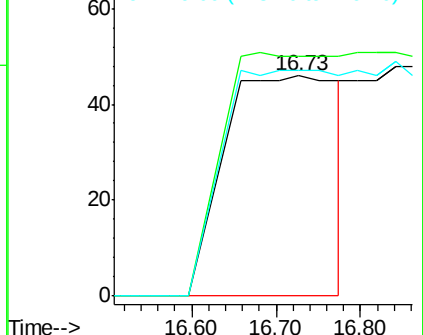
249 0.0 27.9 41.9#



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



#21

Phenanthrene

Concen: 0.04 ng

RT: 17.58 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

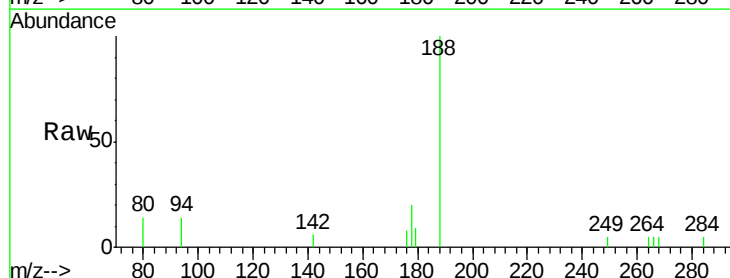
Tgt Ion: 178 Resp: 492

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

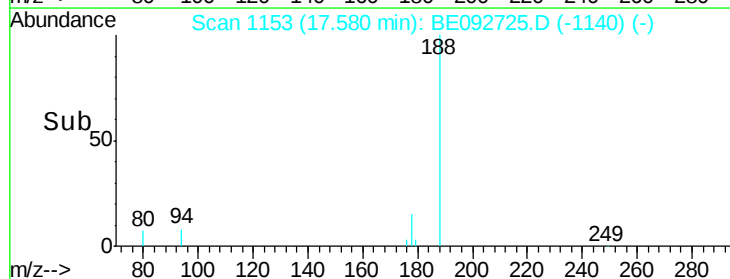
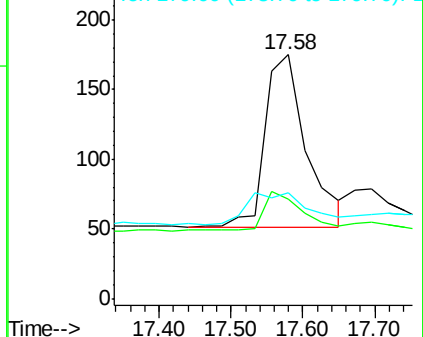
179 0.0 16.0 24.0#

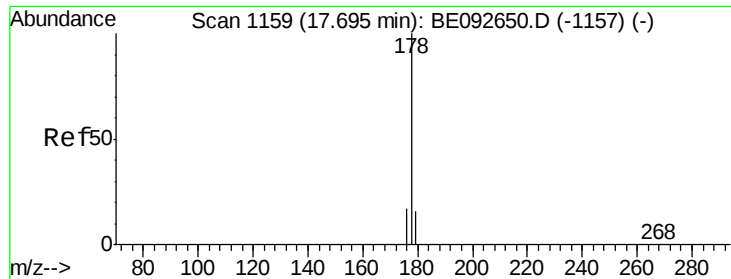


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#22

Anthracene

Concen: 0.05 ng

RT: 17.58 min Scan# 1153

Delta R.T. -0.12 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

Instrument :

BNA_E

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OUTFALL001-170207

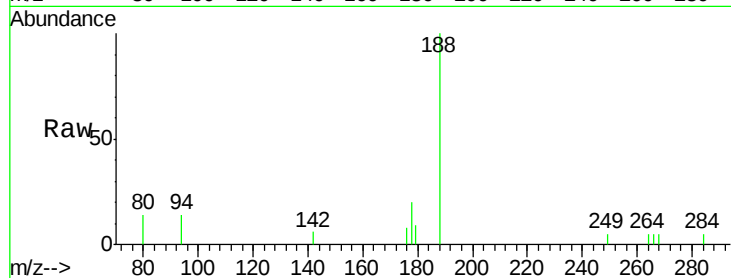
Tgt Ion:178 Resp: 492

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

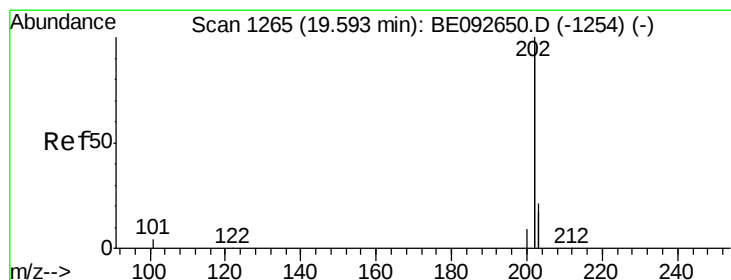
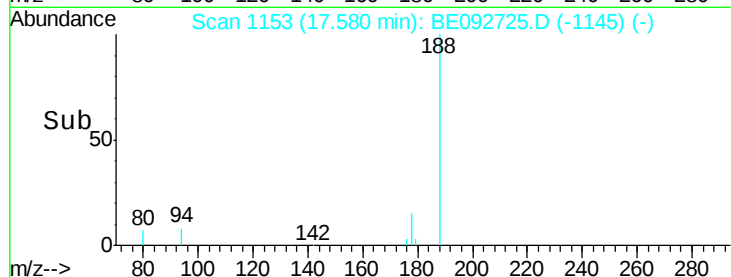
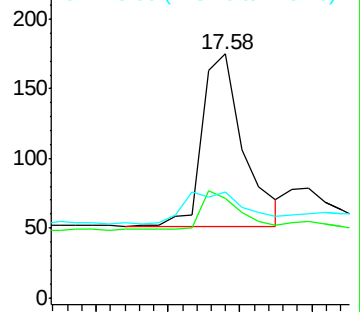
179 0.0 12.2 18.2#



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



#23

Fluoranthene

Concen: 0.07 ng

RT: 19.58 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

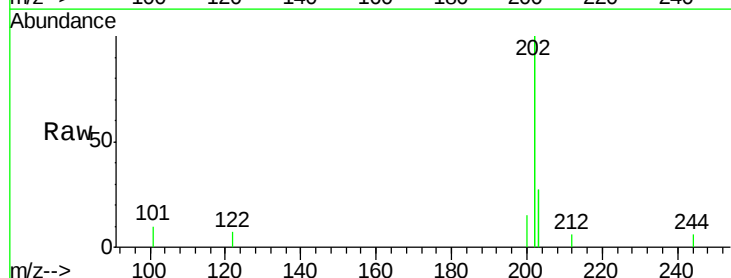
Tgt Ion:202 Resp: 3325

Ion Ratio Lower Upper

202 100

101 2.8 2.2 3.4

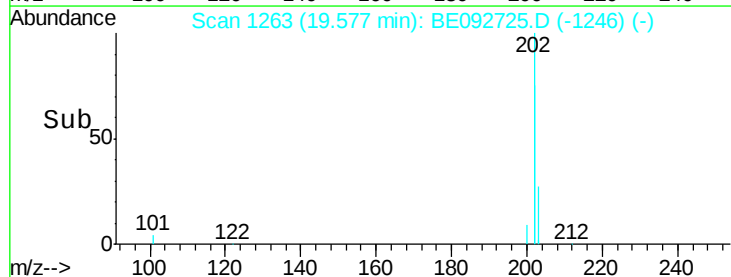
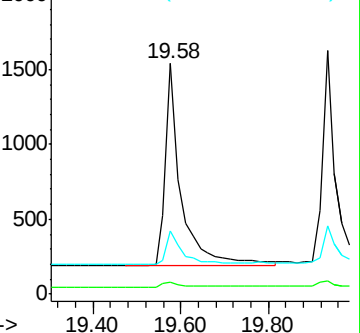
203 18.1 13.7 20.5

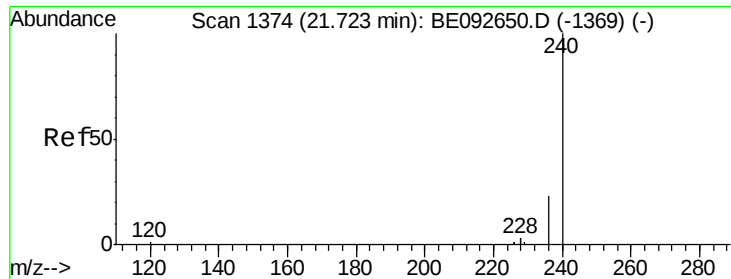


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

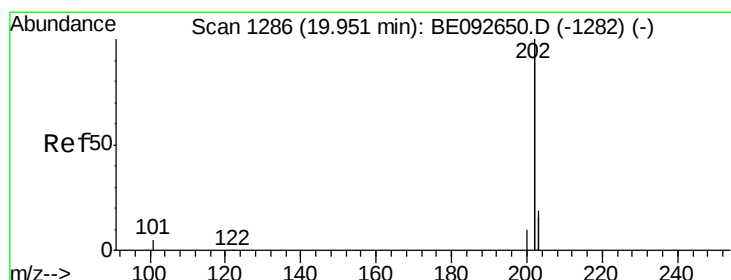
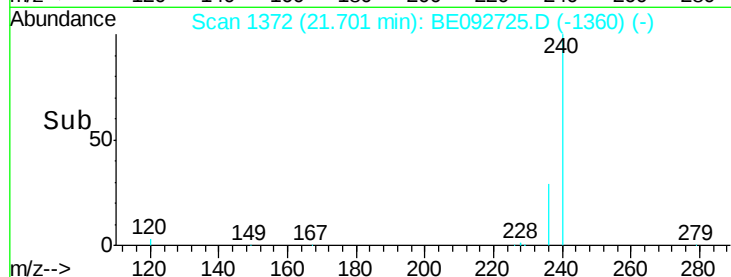
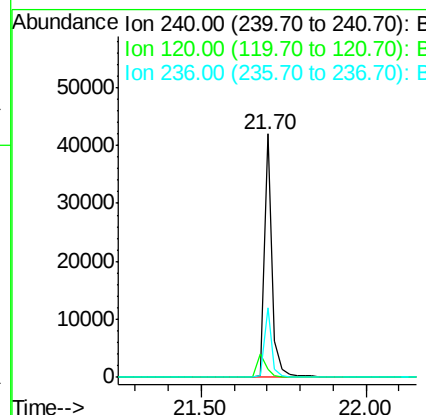
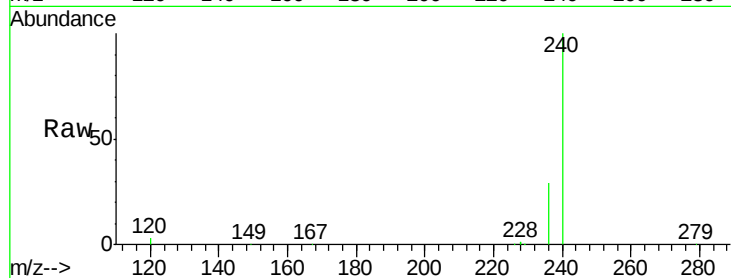




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.70 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BE092725.D
Acq: 10 Feb 2017 17:20

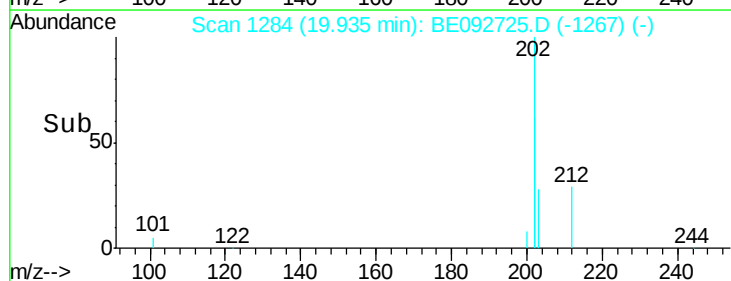
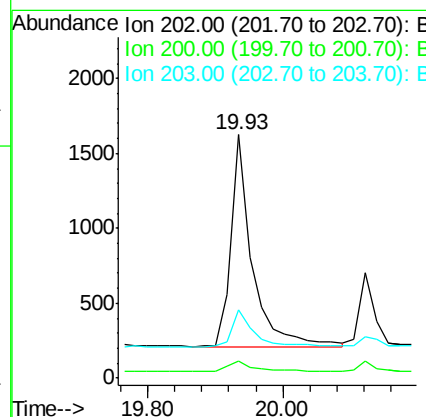
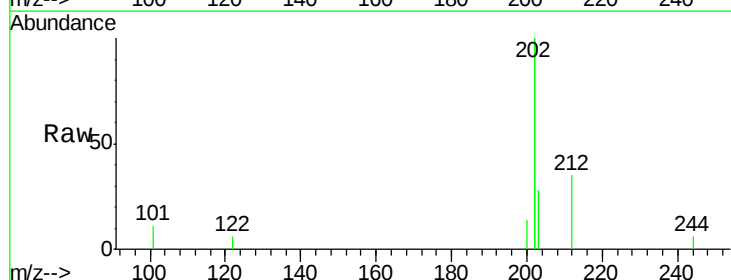
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-170207

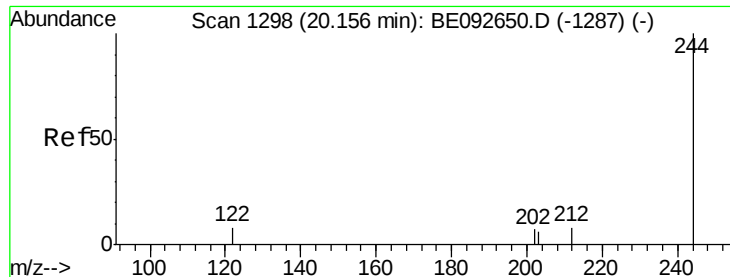
Tgt Ion:240 Resp: 69799
Ion Ratio Lower Upper
240 100
120 3.4 2.6 4.0
236 28.6 24.6 37.0



#25
Pyrene
Concen: 0.04 ng
RT: 19.93 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BE092725.D
Acq: 10 Feb 2017 17:20

Tgt Ion:202 Resp: 3091
Ion Ratio Lower Upper
202 100
200 5.5 4.2 6.4
203 18.1 13.9 20.9

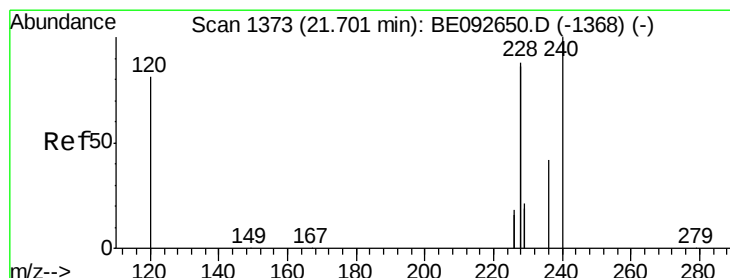
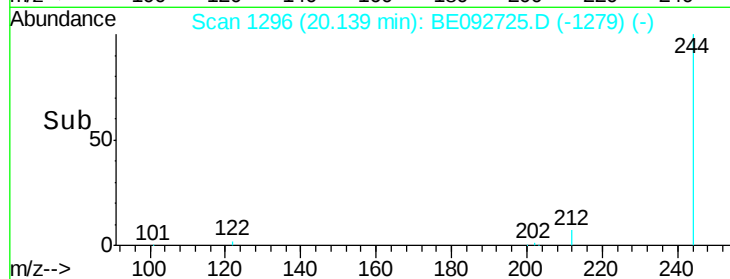
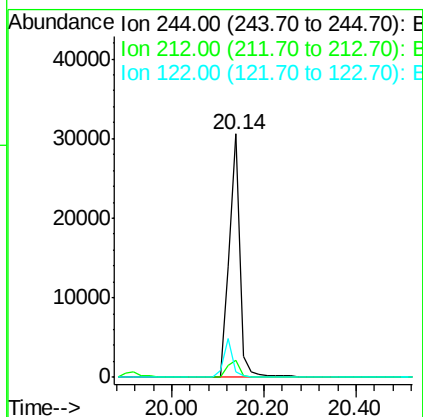
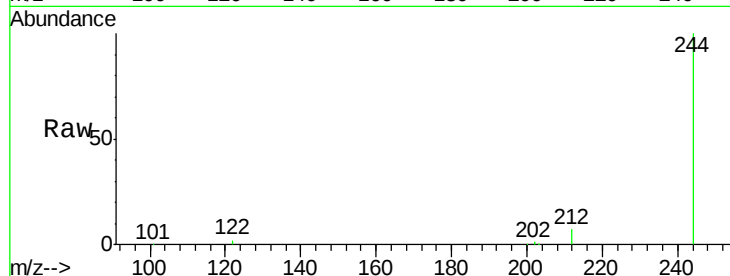




#26
 Terphenyl-d14
 Concen: 5.07 ng
 RT: 20.14 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BE092725.D
 Acq: 10 Feb 2017 17:20

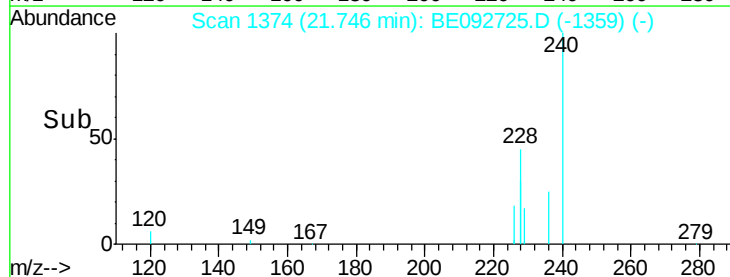
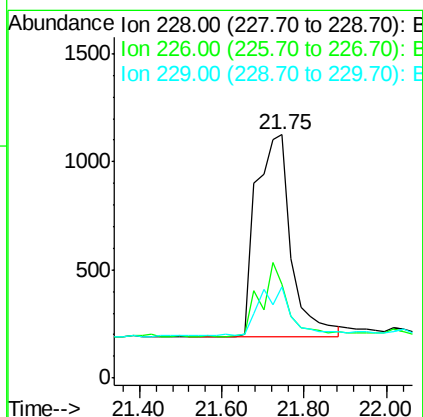
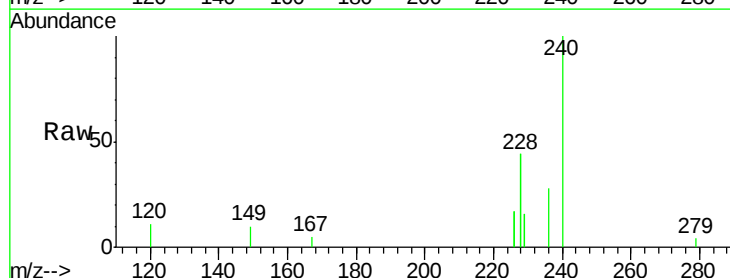
Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-170207

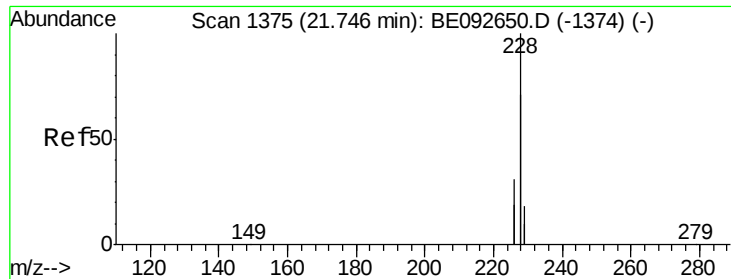
Tgt Ion: 244 Resp: 49982
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.7 10.1
 122 2.3 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 0.08 ng
 RT: 21.75 min Scan# 1374
 Delta R.T. 0.05 min
 Lab File: BE092725.D
 Acq: 10 Feb 2017 17:20

Tgt Ion: 228 Resp: 5572
 Ion Ratio Lower Upper
 228 100
 226 38.7 23.6 35.4#
 229 37.3 13.3 19.9#





#28

Chrysene

Concen: 0.07 ng

RT: 21.75 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170207

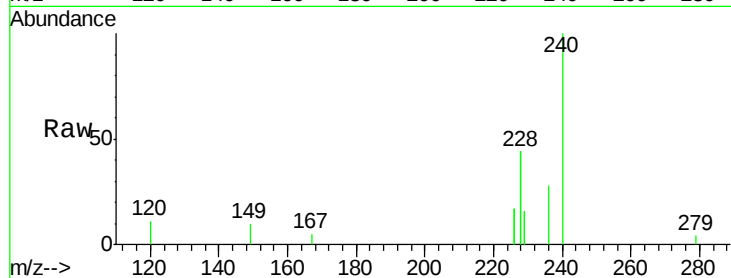
Tgt Ion:228 Resp: 5681

Ion Ratio Lower Upper

228 100

226 38.7 36.3 54.5

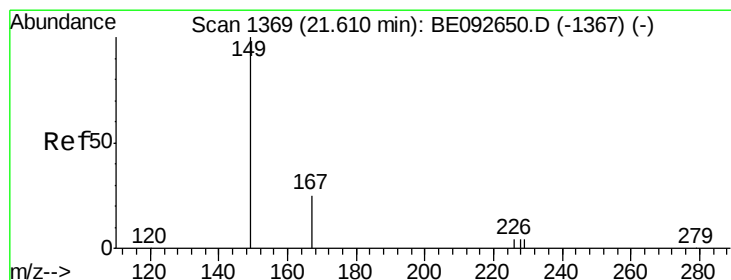
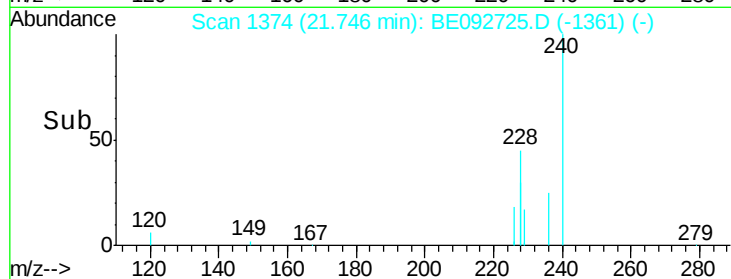
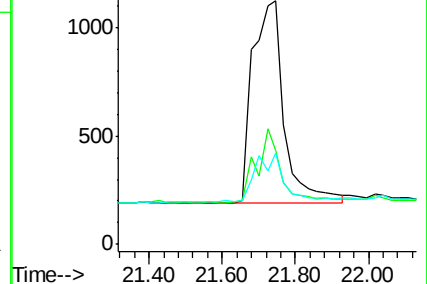
229 37.3 10.6 16.0#



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: 0.26 ng

RT: 21.59 min Scan# 1367

Delta R.T. -0.02 min

Lab File: BE092725.D

Acq: 10 Feb 2017 17:20

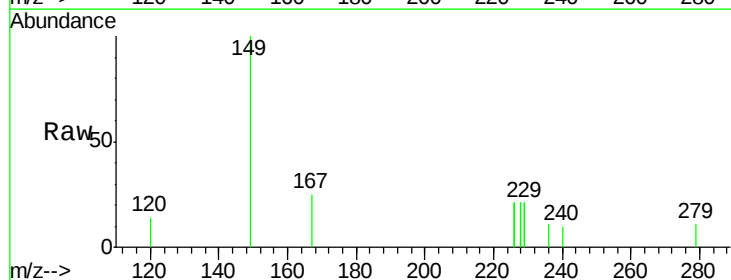
Tgt Ion:149 Resp: 831

Ion Ratio Lower Upper

149 100

167 0.0 16.0 24.0#

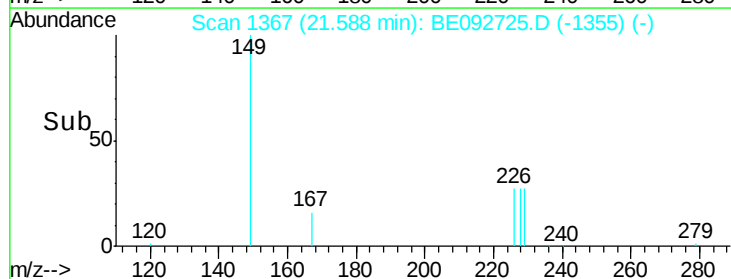
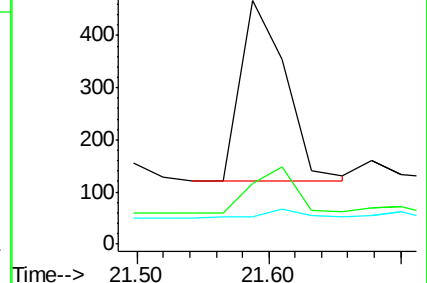
279 0.0 16.0 24.0#

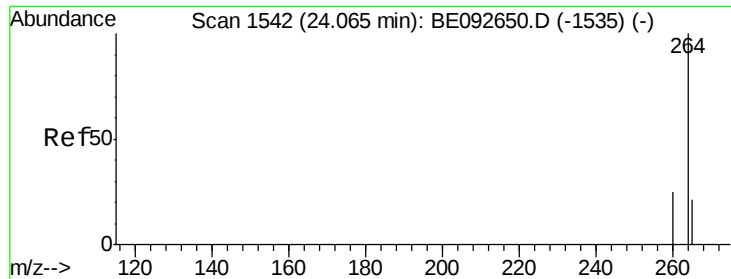


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.04 min Scan# 1539

Delta R.T. -0.02 min

Lab File: BE092725.D

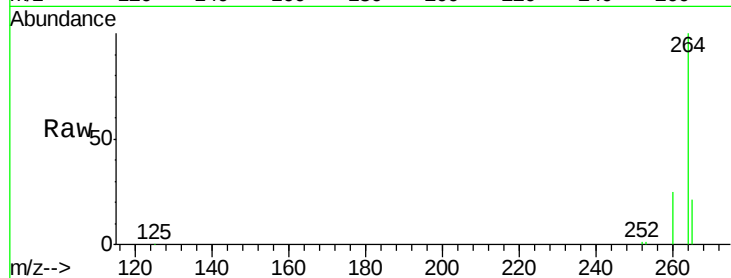
Acq: 10 Feb 2017 17:20

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170207



Tgt Ion:	264	Resp:	63066
Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	21.5	17.9	26.9

