

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031017\
 Data File : BE092815.D
 Acq On : 10 Mar 2017 19:51
 Operator : SJ/MA
 Sample : I2187-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-170307

Quant Time: Mar 10 21:56:06 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE030617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 06 15:46:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	10311	5.00	ng	-0.02
7) Naphthalene-d8	10.88	136	42511	5.00	ng	-0.02
12) Acenaphthene-d10	14.75	164	17922	5.00	ng	-0.02
18) Phenanthrene-d10	17.51	188	54873	5.00	ng	0.00
24) Chrysene-d12	21.68	240	62894	5.00	ng	-0.02
31) Perylene-d12	24.02	264	10191	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.60	112	7138	3.27	ng	-0.03
5) Phenol-d6	7.29	99	4182	1.61	ng	-0.02
8) Nitrobenzene-d5	9.29	82	10294	3.96	ng	-0.02
13) 2,4,6-Tribromophenol	16.25	330	5227	11.09	ng	-0.03
14) 2-Fluorobiphenyl	13.38	172	26076	6.17	ng	-0.02
26) Terphenyl-d14	20.12	244	42601	5.61	ng	-0.02

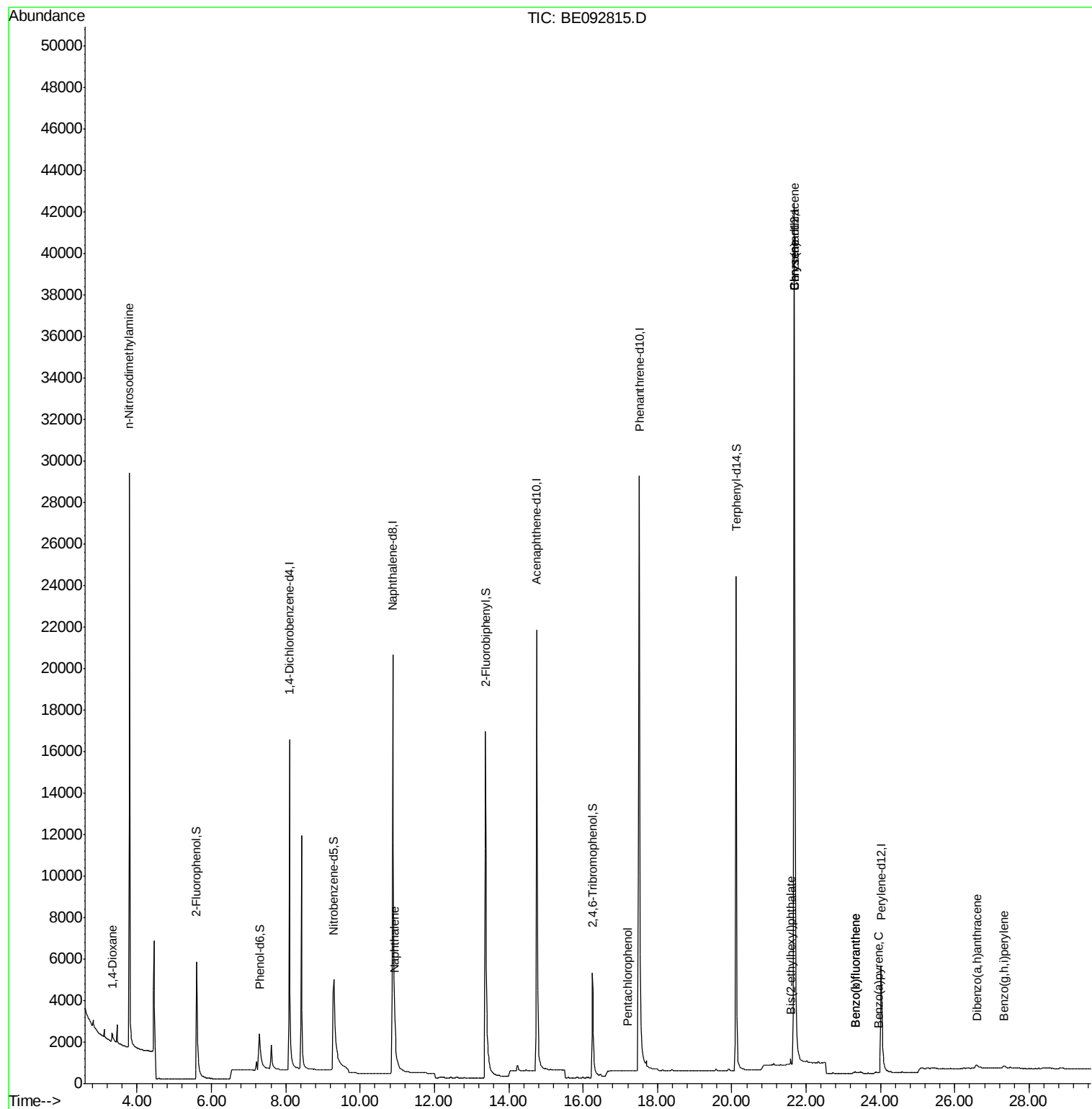
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	634	0.41	ng	# 86
3) n-Nitrosodimethylamine	3.79	42	1019	0.59	ng	# 1
9) Naphthalene	10.93	128	435	0.05	ng	# 48
20) Pentachlorophenol	17.21	266	44	0.14	ng	# 73
27) Benzo(a)anthracene	21.68	228	1483	0.09	ng	# 66
28) Chrysene	21.68	228	1494	0.03	ng	# 63
29) Bis(2-ethylhexyl)phthalate	21.59	149	549	0.08	ng	# 82
32) Benzo(b)fluoranthene	23.32	252	144	0.05	ng	# 1
33) Benzo(k)fluoranthene	23.32	252	144	0.05	ng	# 1
34) Benzo(a)pyrene	23.94	252	59	0.02	ng	# 1
35) Dibenzo(a,h)anthracene	26.60	278	143	0.06	ng	# 1
36) Benzo(a,h,i)perylene	27.31	276	556	0.06	ng	# 1

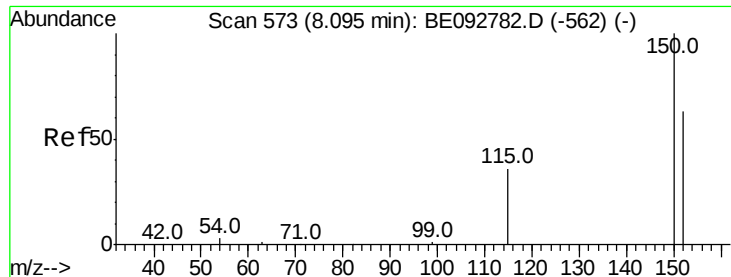
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.10 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170307

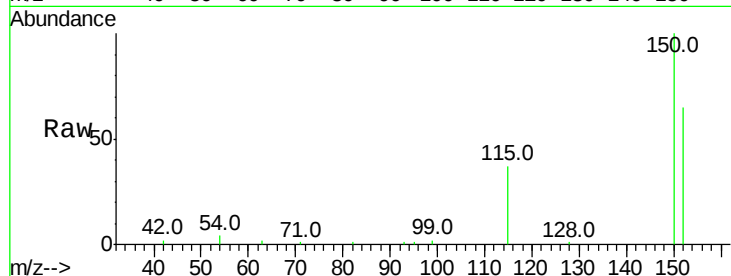
Tot Ion:152 Resp: 10311

Ion Ratio Lower Upper

152 100

150 153.6 106.0 159.0

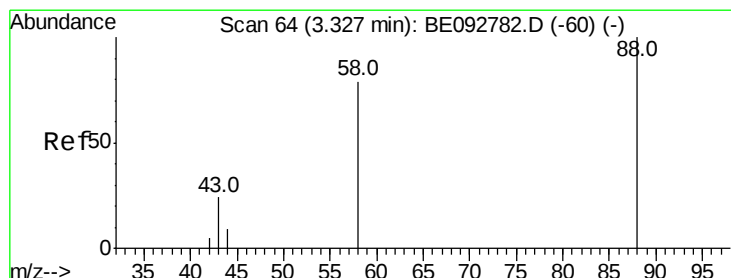
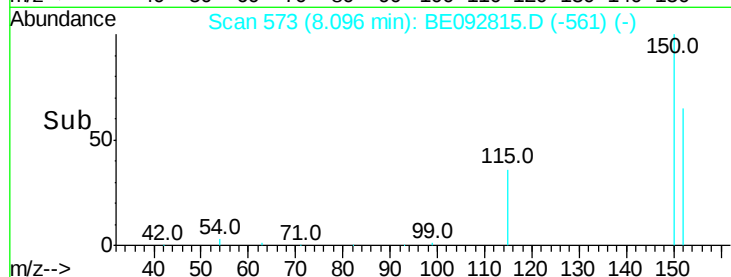
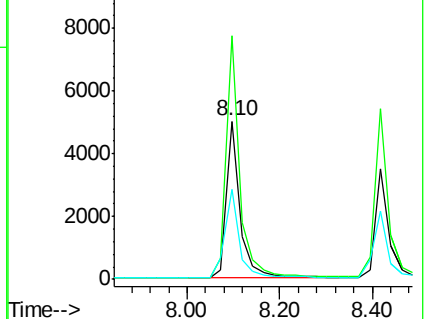
115 56.6 31.2 46.8#



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: 0.41 ng

RT: 3.33 min Scan# 64

Delta R.T. -0.01 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

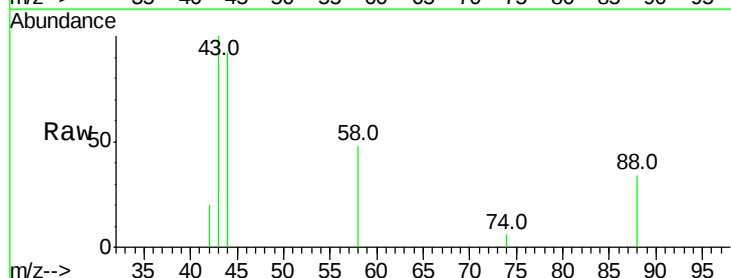
Tgt Ion: 88 Resp: 634

Ion Ratio Lower Upper

88 100

58 78.4 63.6 95.4

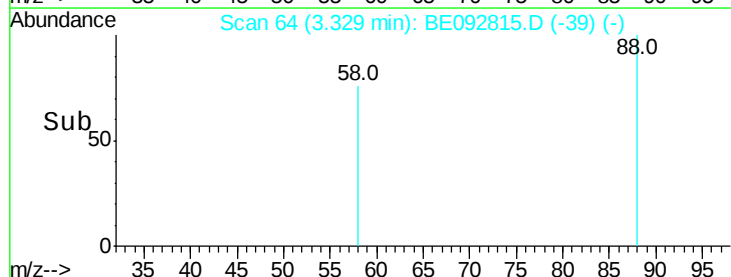
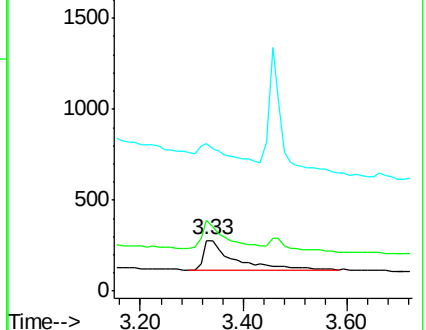
43 59.5 28.0 42.0#

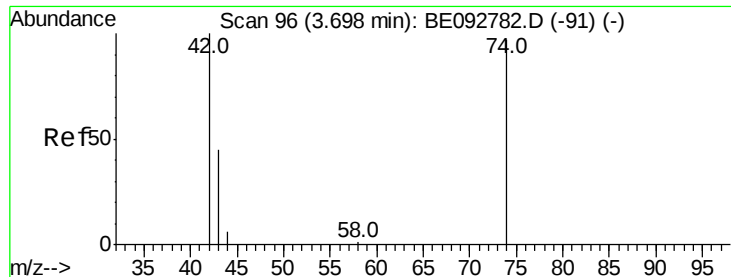


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.59 ng

RT: 3.79 min Scan# 104

Delta R.T. 0.06 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

Instrument :

BNA_E

ClientSampleId :

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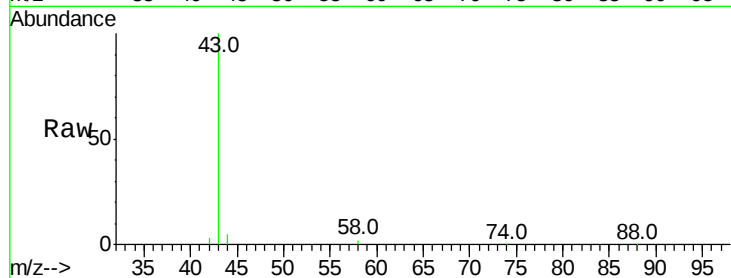
Tot Ion: 42 Resp: 1019

Ion Ratio Lower Upper

42 100

74 3.0 86.0 129.0#

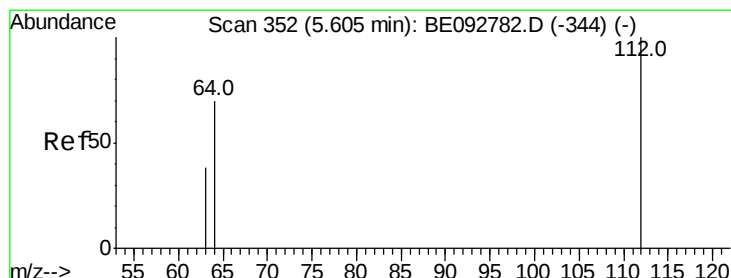
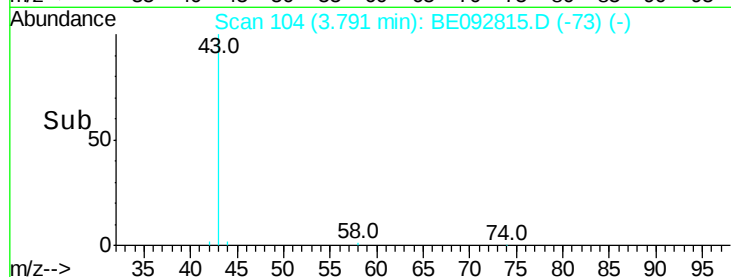
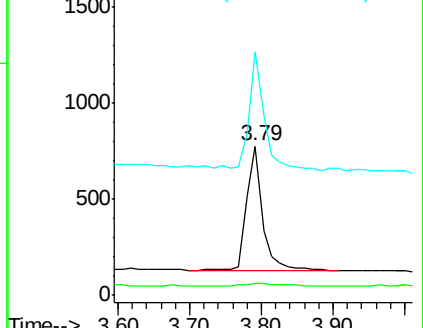
44 88.7 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 3.27 ng

RT: 5.60 min Scan# 352

Delta R.T. -0.03 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

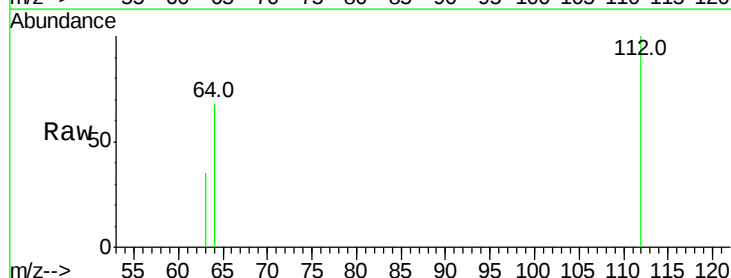
Tgt Ion: 112 Resp: 7138

Ion Ratio Lower Upper

112 100

64 68.3 53.5 80.3

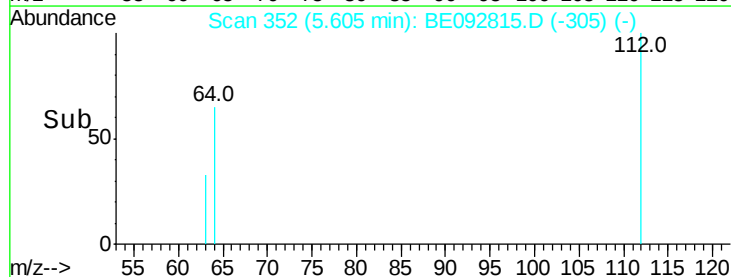
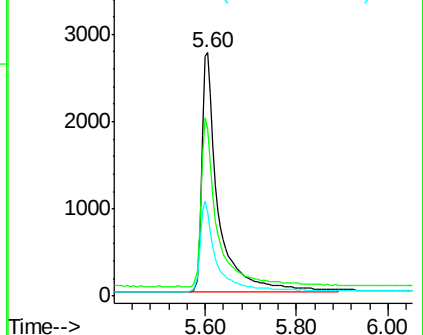
63 37.2 27.9 41.9

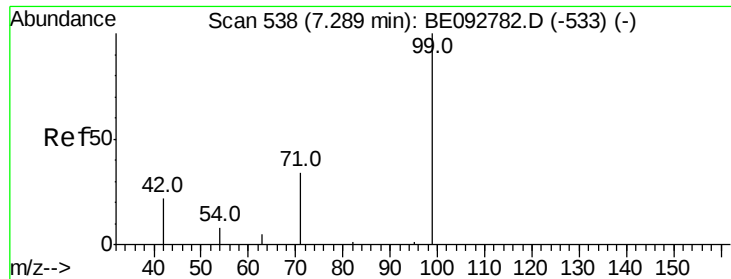


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.61 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.02 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

Instrument :

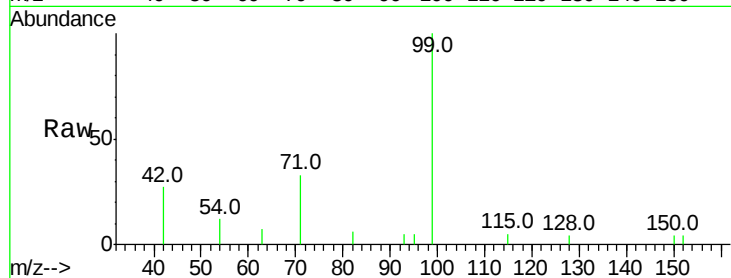
BNA_E

ClientSampleId :

OUTFALL001-170307

Tot Ion: 99 Resp: 4182

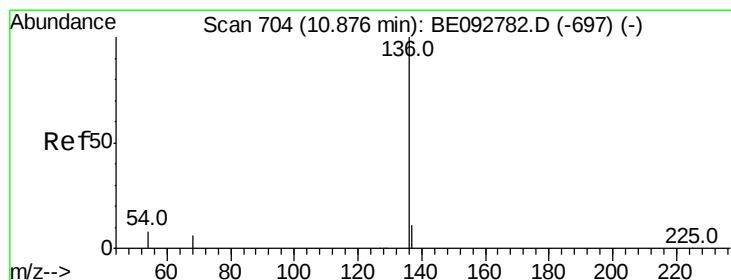
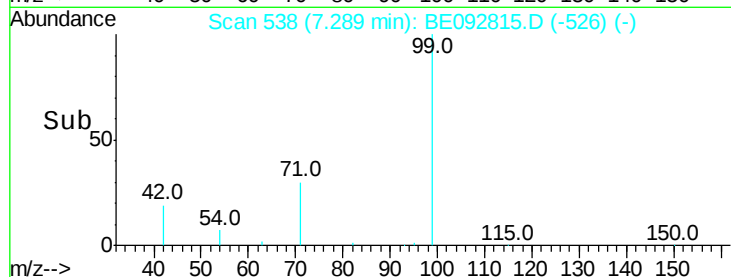
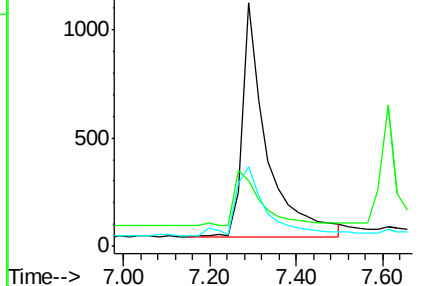
Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	37.9	30.6	45.8



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: 10.88 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

Tgt Ion: 136 Resp: 42511

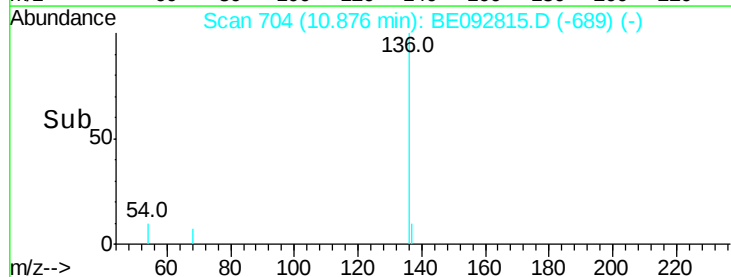
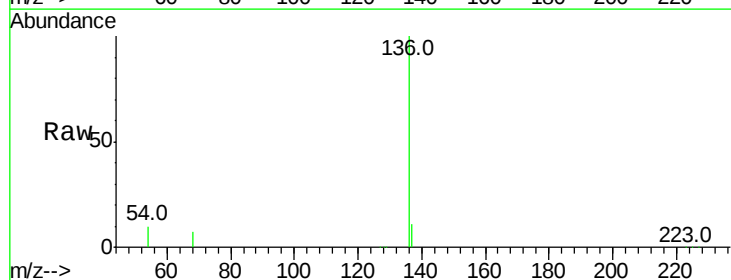
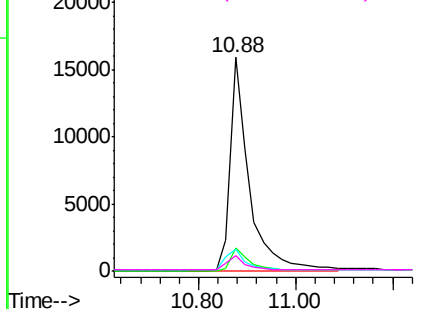
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	10.2	9.6	14.4
68	7.1	6.7	10.1

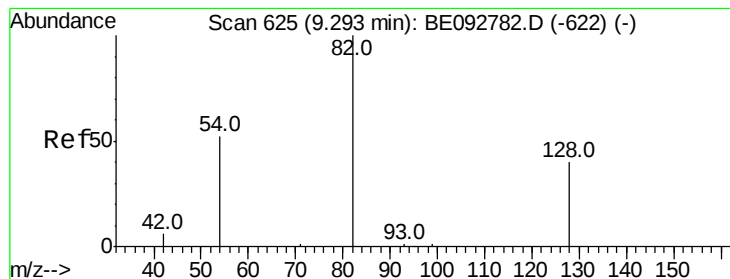
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.96 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.02 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170307

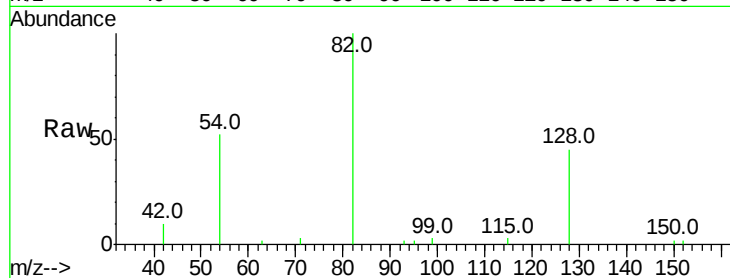
Tot Ion: 82 Resp: 10294

Ion Ratio Lower Upper

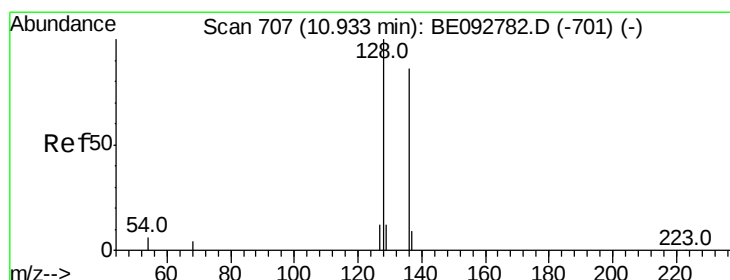
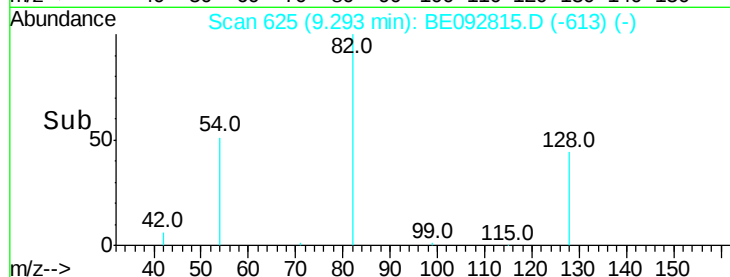
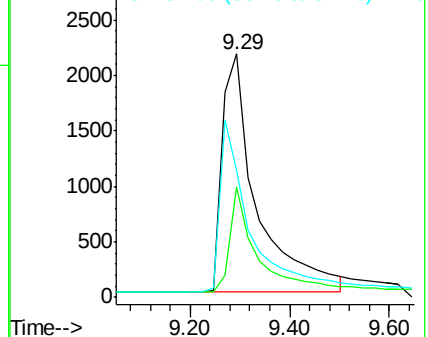
82 100

128 45.3 39.0 58.4

54 52.1 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



#9

Naphthalene

Concen: 0.05 ng

RT: 10.93 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

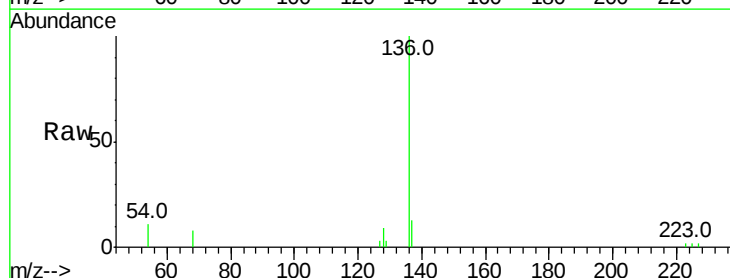
Tgt Ion: 128 Resp: 435

Ion Ratio Lower Upper

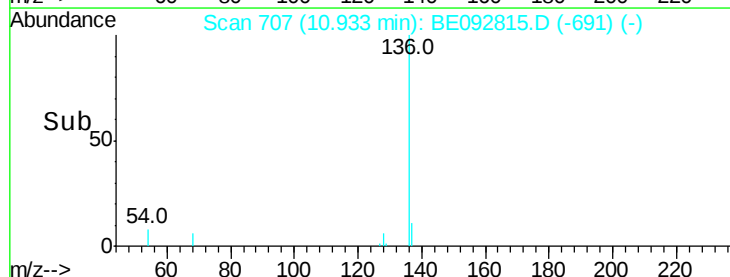
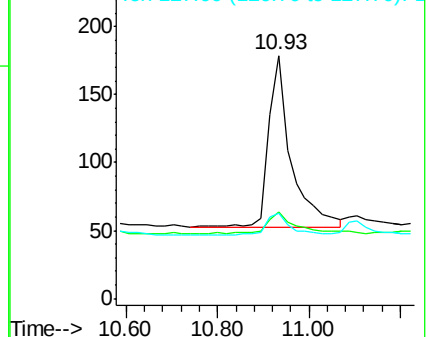
128 100

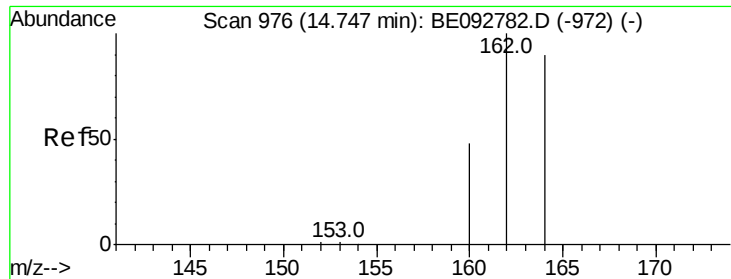
129 35.8 11.2 16.8#

127 35.2 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: 14.75 min Scan# 975

Delta R.T. -0.02 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

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BNA_E

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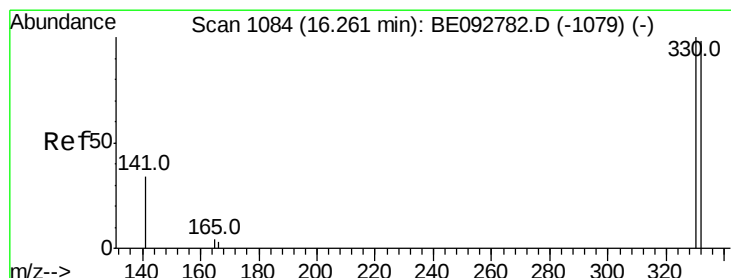
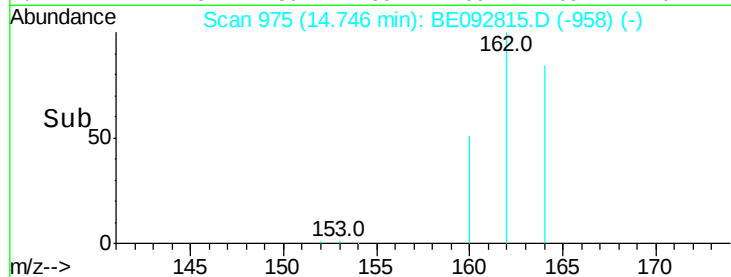
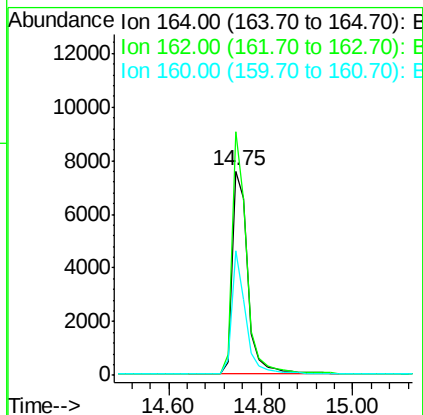
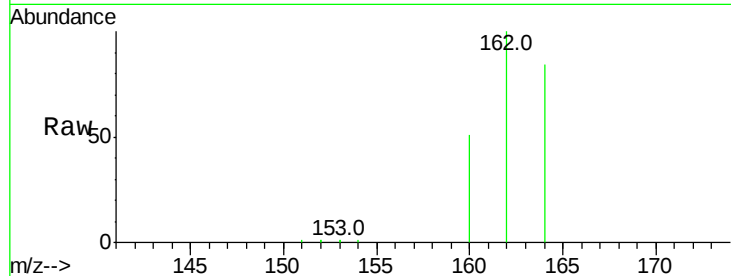
Tot Ion:164 Resp: 17922

Ion Ratio Lower Upper

164 100

162 119.4 71.4 107.0#

160 61.1 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 11.09 ng

RT: 16.25 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

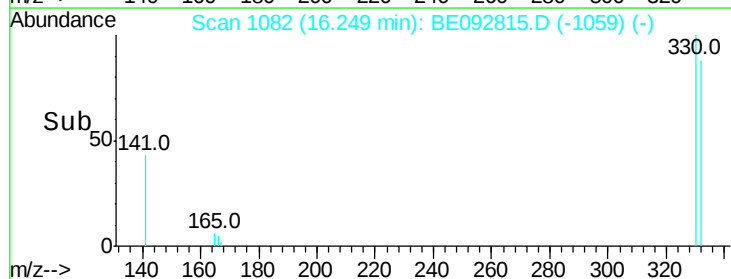
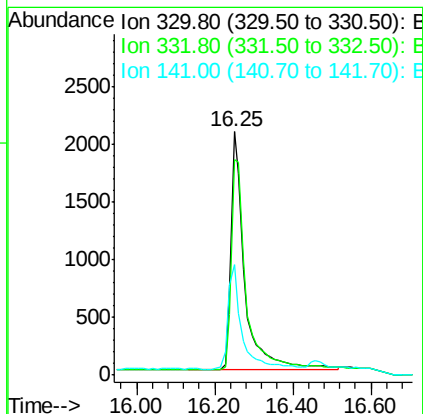
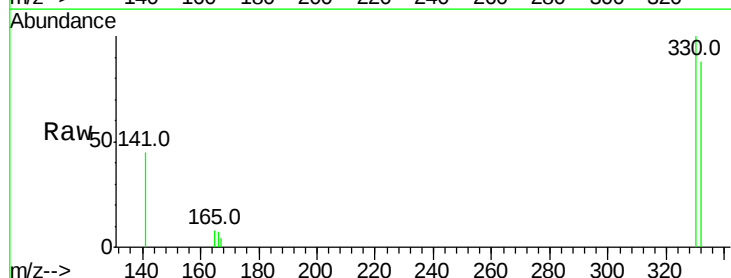
Tgt Ion:330 Resp: 5227

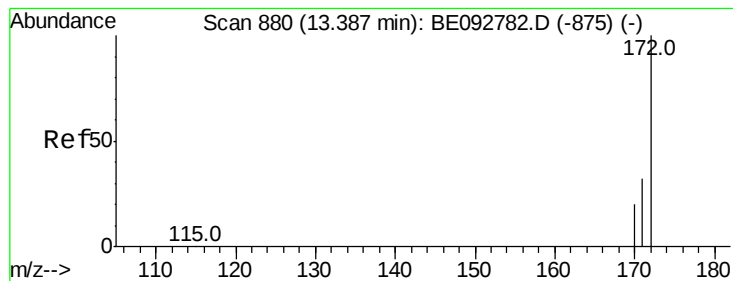
Ion Ratio Lower Upper

330 100

332 96.2 75.4 113.0

141 43.3 31.0 46.6

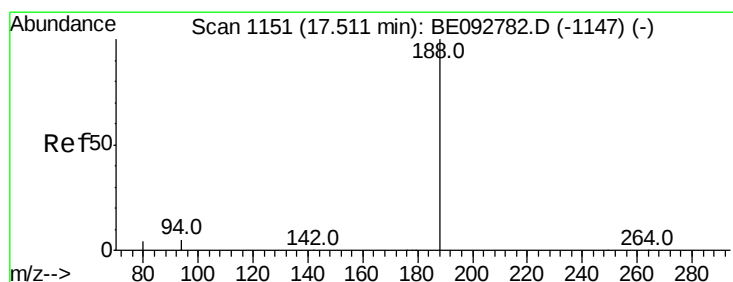
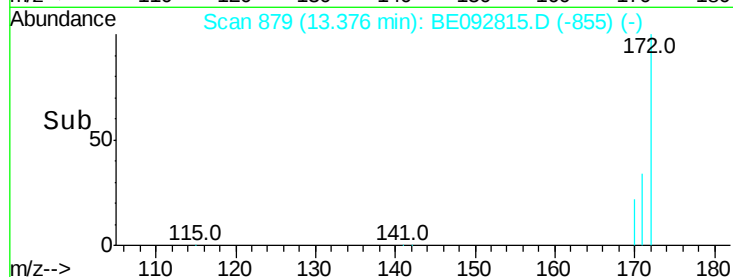
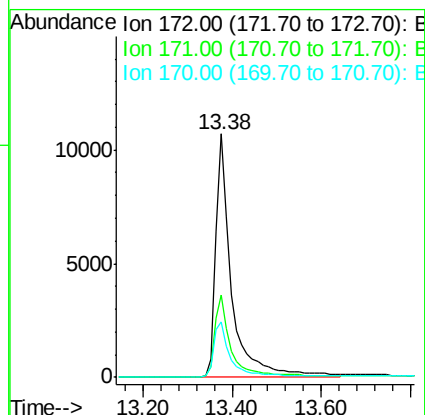
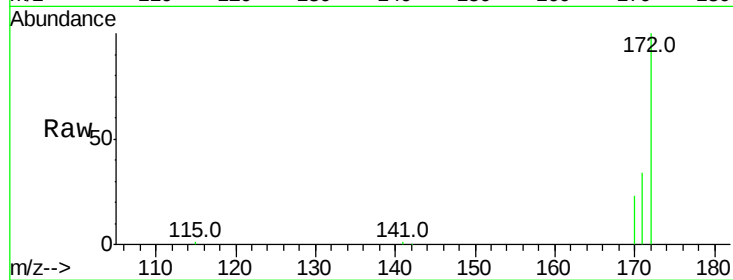




#14
2-Fluorobiphenyl
Concen: 6.17 ng
RT: 13.38 min Scan# 879
Delta R.T. -0.02 min
Lab File: BE092815.D
Acq: 10 Mar 2017 19:51

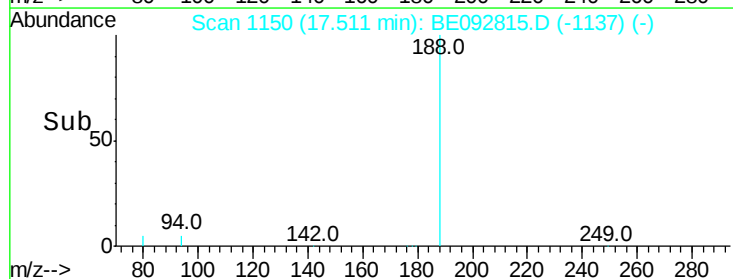
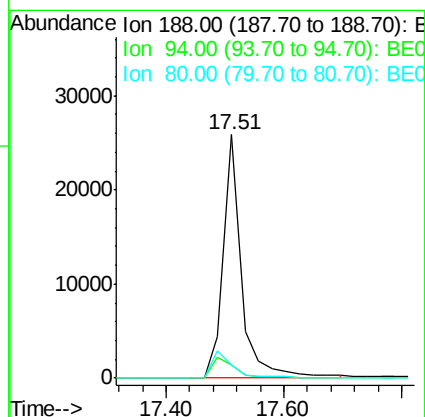
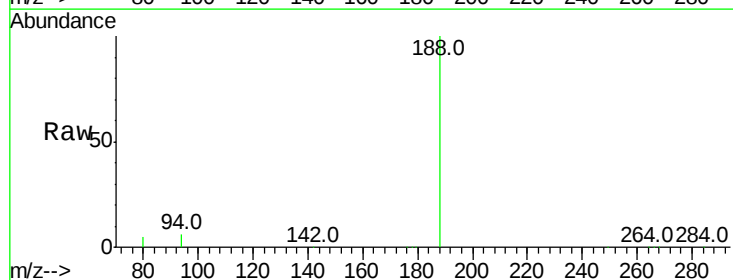
Instrument :
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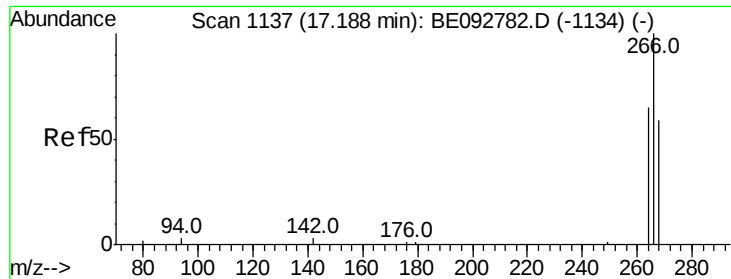
Tot Ion:172 Resp: 26076
Ion Ratio Lower Upper
172 100
171 33.8 30.1 45.1
170 22.6 21.8 32.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BE092815.D
Acq: 10 Mar 2017 19:51

Tgt Ion:188 Resp: 54873
Ion Ratio Lower Upper
188 100
94 5.7 3.2 4.8#
80 5.5 2.6 3.8#

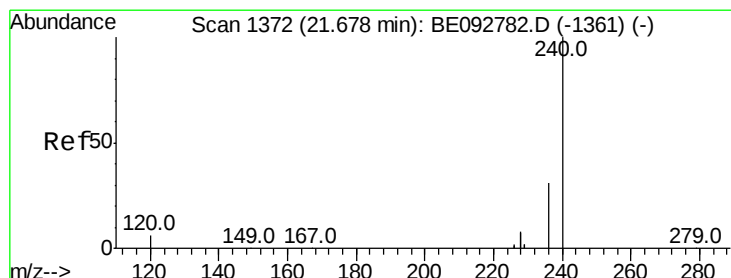
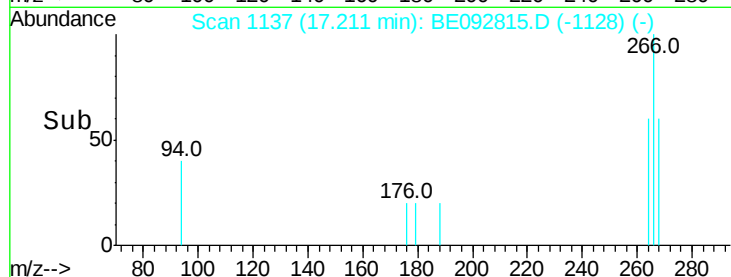
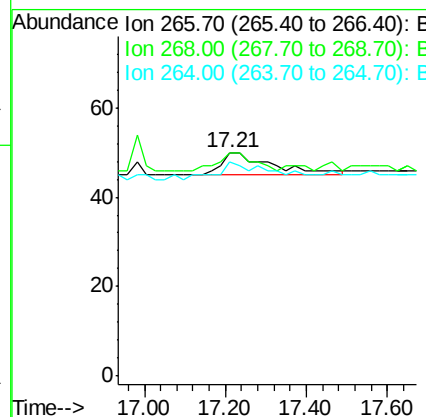
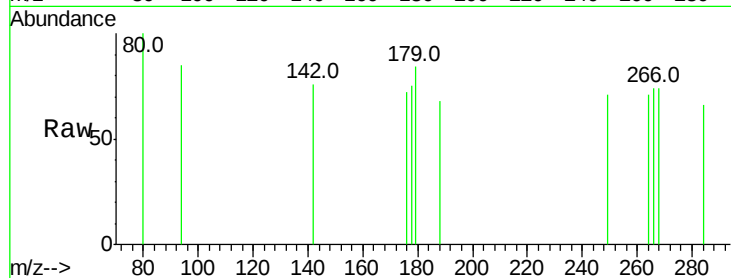




#20
 Pentachlorophenol
 Concen: 0.14 ng
 RT: 17.21 min Scan# 1137
 Delta R.T. -0.09 min
 Lab File: BE092815.D
 Acq: 10 Mar 2017 19:51

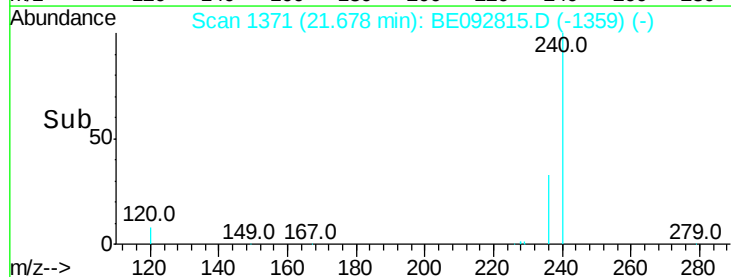
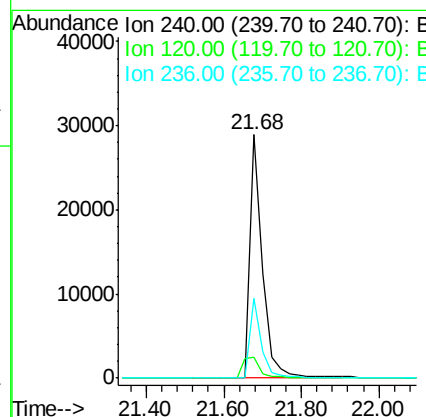
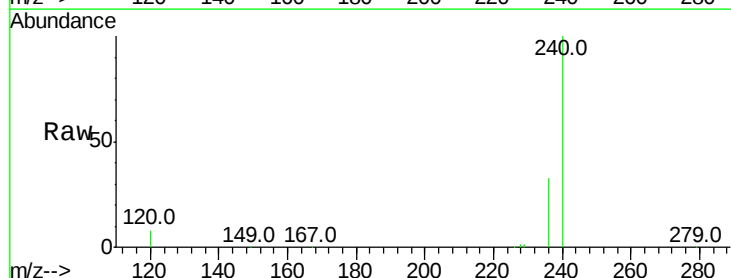
Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-170307

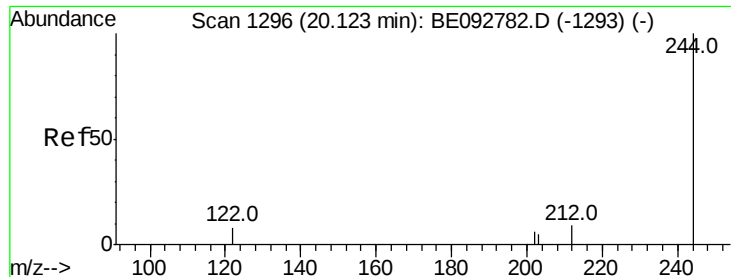
Tot Ion:266 Resp: 44
 Ion Ratio Lower Upper
 266 100
 268 100.0 62.5 93.7#
 264 96.0 57.2 85.8#



#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.68 min Scan# 1371
 Delta R.T. -0.02 min
 Lab File: BE092815.D
 Acq: 10 Mar 2017 19:51

Tgt Ion:240 Resp: 62894
 Ion Ratio Lower Upper
 240 100
 120 8.4 2.6 4.0#
 236 32.7 24.6 37.0

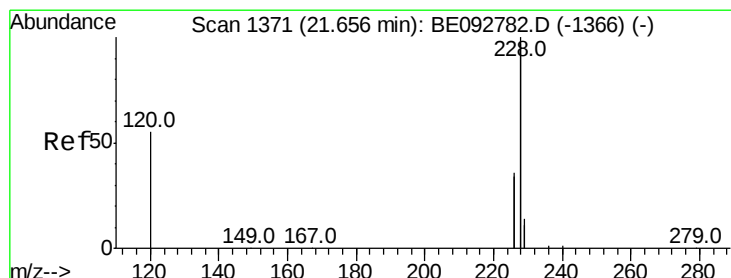
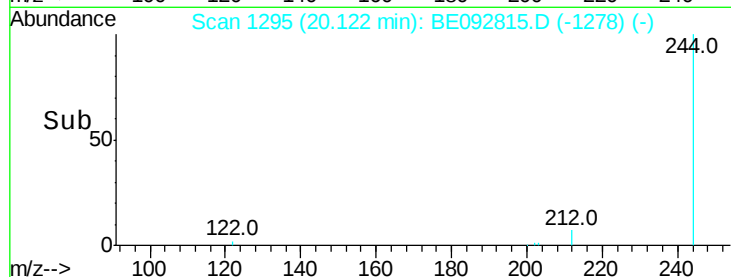
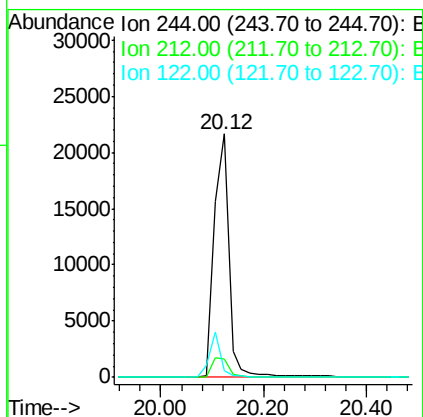
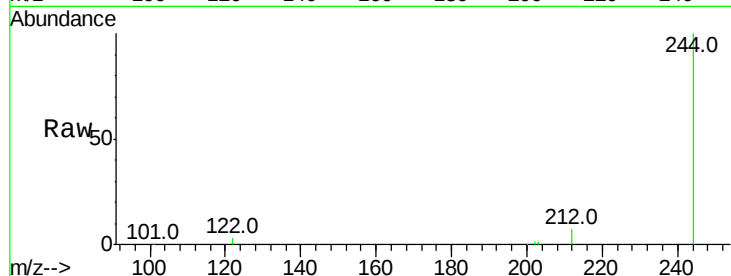




#26
 Terphenyl-d14
 Concen: 5.61 ng
 RT: 20.12 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BE092815.D
 Acq: 10 Mar 2017 19:51

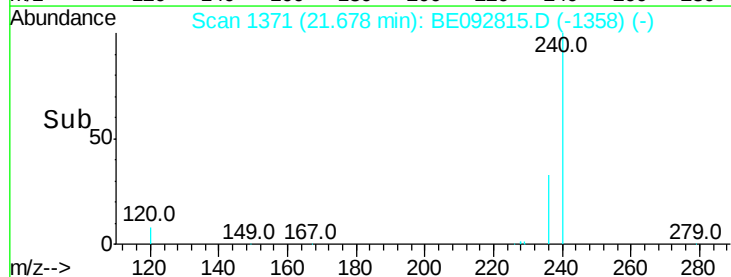
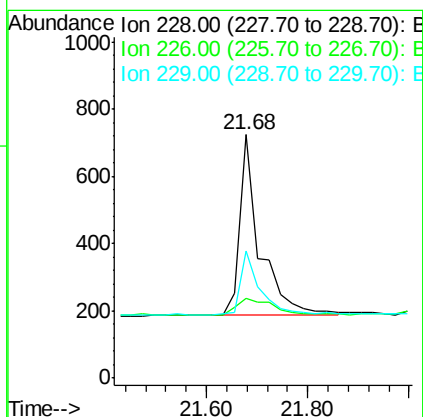
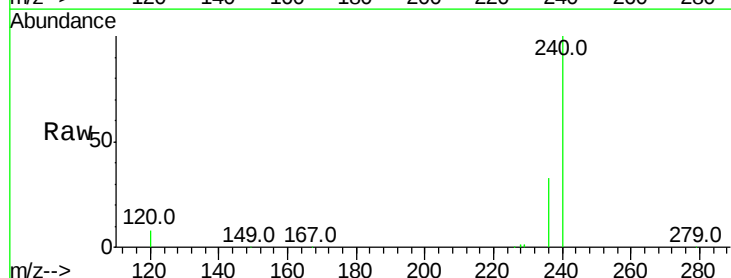
Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-170307

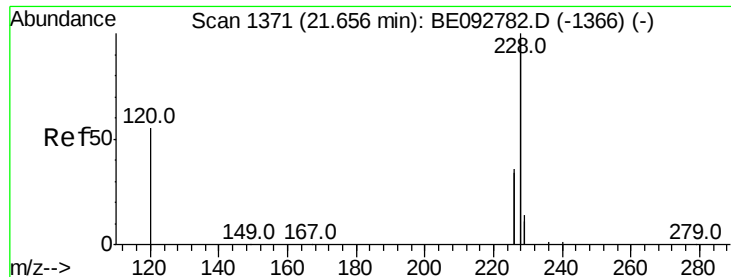
Tot Ion:244 Resp: 42601
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.7 10.1
 122 2.6 3.6 5.4#



#27
 Benzo(a)anthracene
 Concen: 0.09 ng
 RT: 21.68 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: BE092815.D
 Acq: 10 Mar 2017 19:51

Tgt Ion:228 Resp: 1483
 Ion Ratio Lower Upper
 228 100
 226 32.6 23.6 35.4
 229 52.2 13.3 19.9#





#28

Chrysene

Concen: 0.03 ng

RT: 21.68 min Scan# 1371

Delta R.T. -0.05 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170307

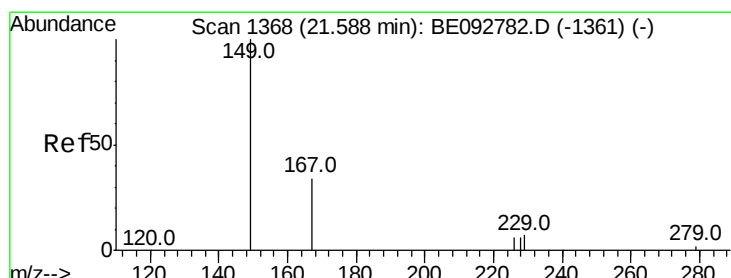
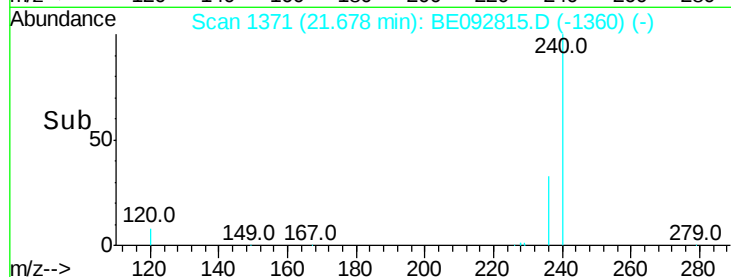
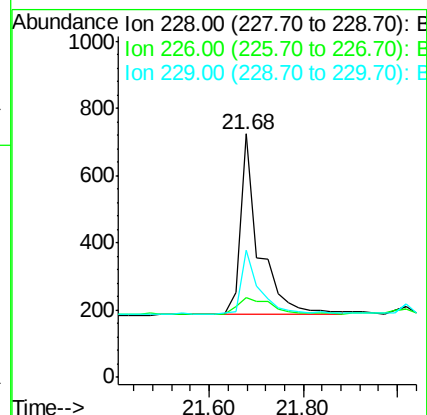
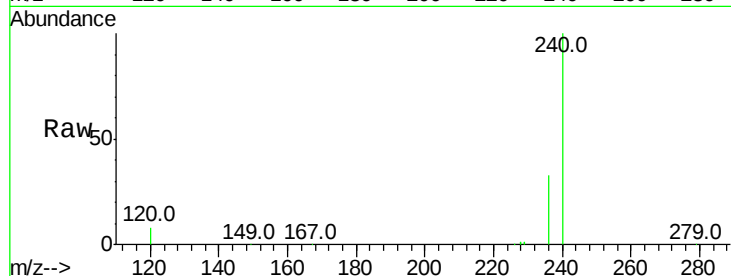
Tot Ion:228 Resp: 1494

Ion Ratio Lower Upper

228 100

226 32.6 36.3 54.5#

229 52.2 10.6 16.0#



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.59 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

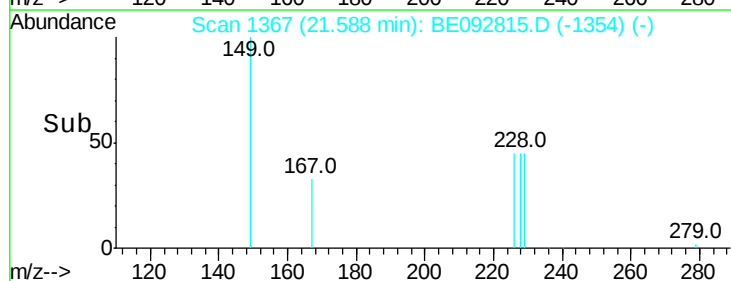
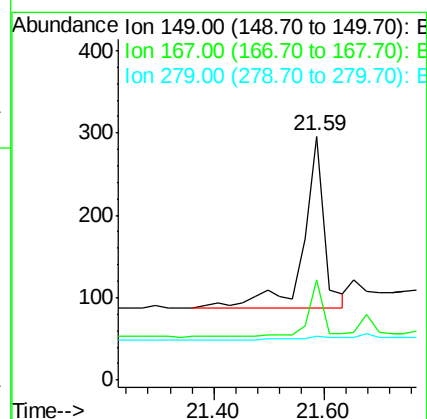
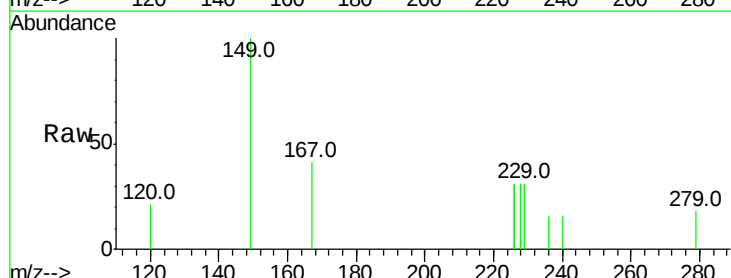
Tgt Ion:149 Resp: 549

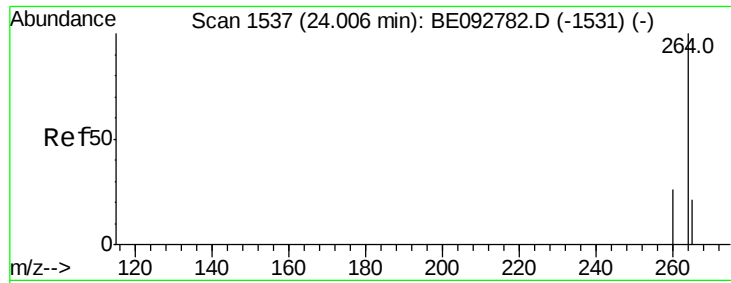
Ion Ratio Lower Upper

149 100

167 23.0 16.0 24.0

279 6.2 16.0 24.0#

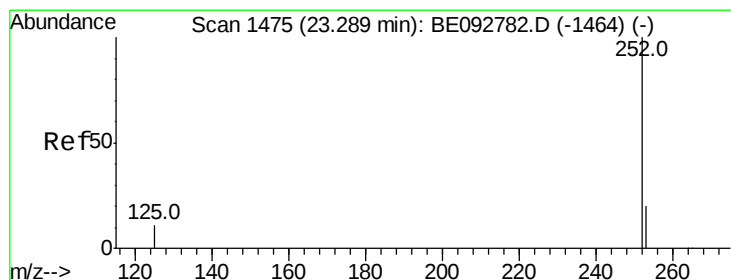
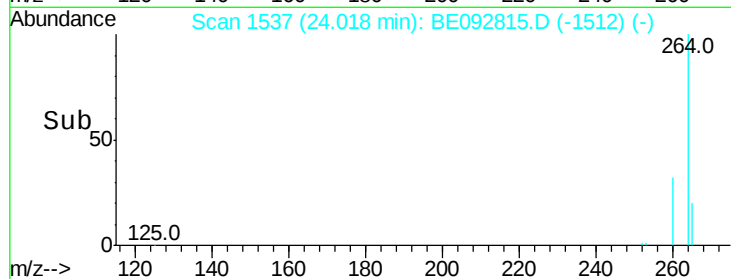
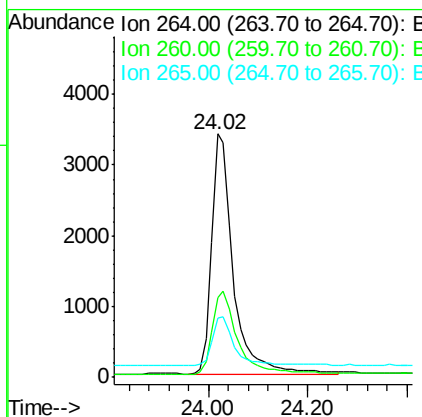
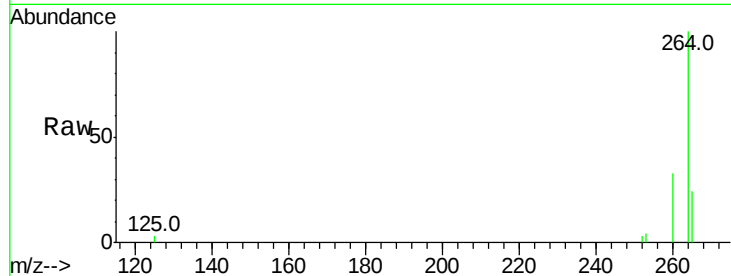




#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.02 min Scan# 1537
Delta R.T. -0.01 min
Lab File: BE092815.D
Acq: 10 Mar 2017 19:51

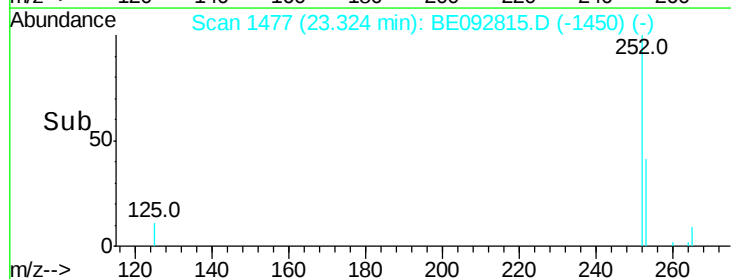
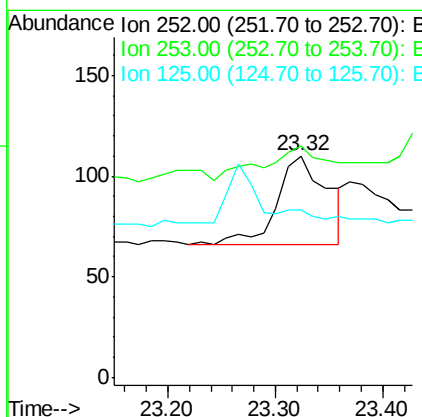
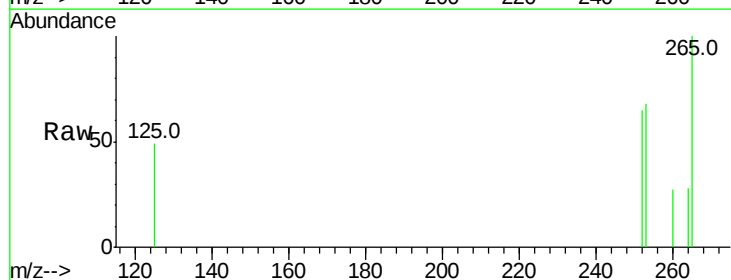
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-170307

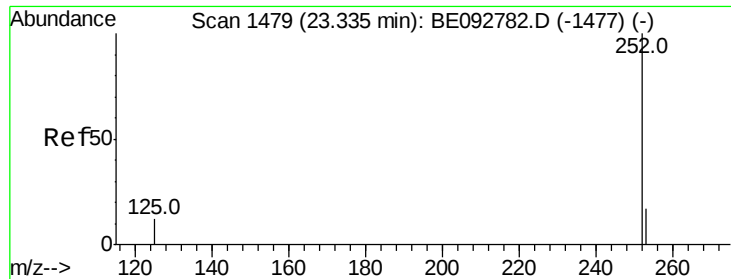
Tot Ion:264 Resp: 10191
Ion Ratio Lower Upper
264 100
260 32.5 20.1 30.1#
265 24.4 17.9 26.9



#32
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 23.32 min Scan# 1477
Delta R.T. 0.01 min
Lab File: BE092815.D
Acq: 10 Mar 2017 19:51

Tgt Ion:252 Resp: 144
Ion Ratio Lower Upper
252 100
253 104.5 18.7 28.1#
125 75.5 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.05 ng

RT: 23.32 min Scan# 1477

Delta R.T. -0.04 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170307

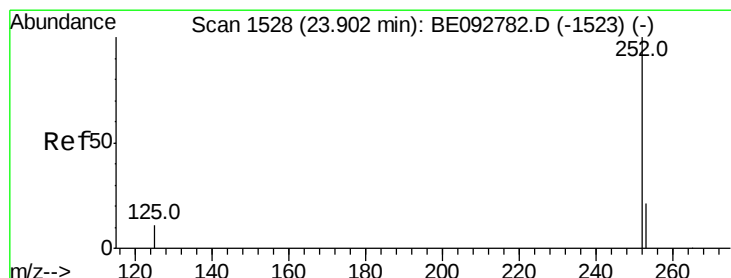
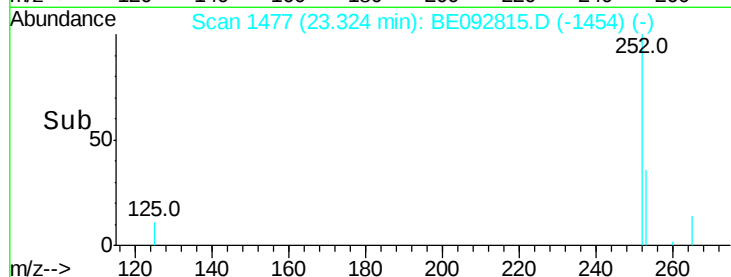
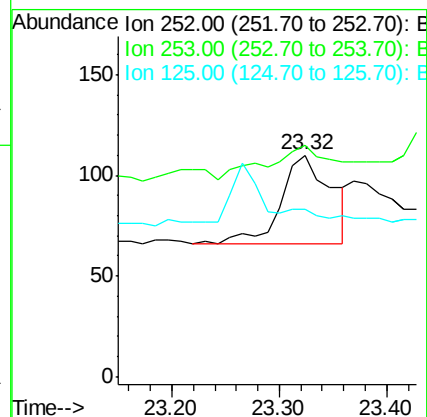
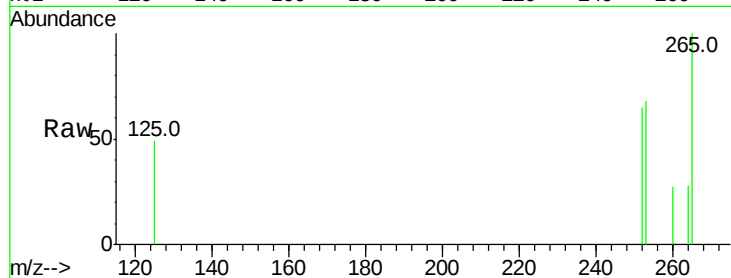
Tot Ion:252 Resp: 144

Ion Ratio Lower Upper

252 100

253 104.5 20.3 30.5#

125 75.5 9.6 14.4#



#34

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.94 min Scan# 1530

Delta R.T. 0.01 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

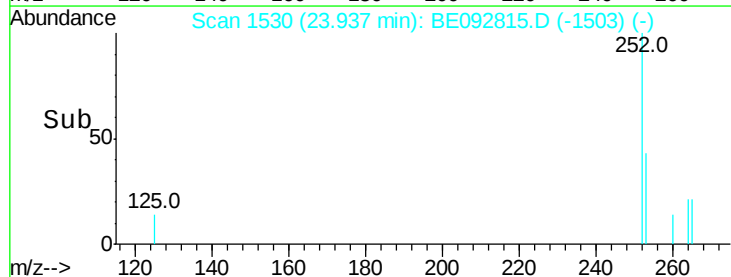
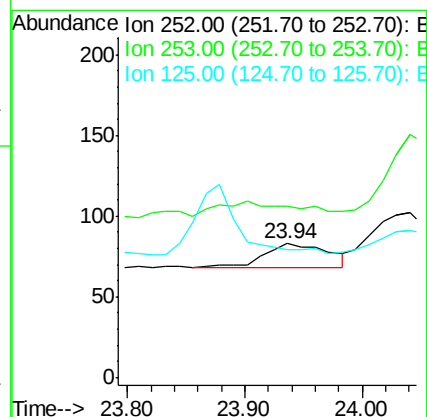
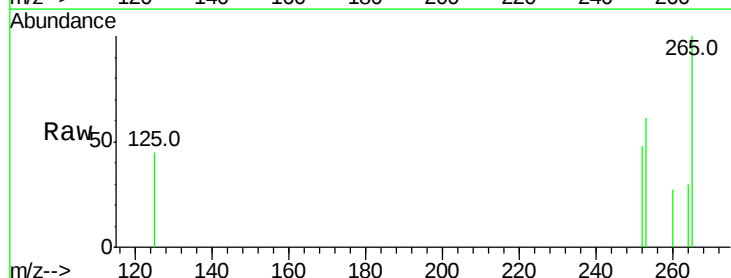
Tgt Ion:252 Resp: 59

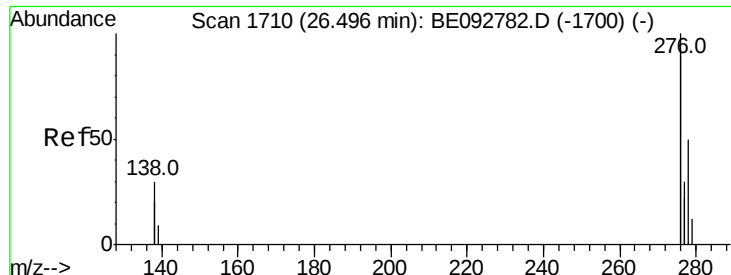
Ion Ratio Lower Upper

252 100

253 127.7 19.0 28.6#

125 95.2 11.8 17.8#





#35

Dibenzo(a,h)anthracene

Concen: 0.06 ng

RT: 26.60 min Scan# 1715

Delta R.T. 0.09 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-170307

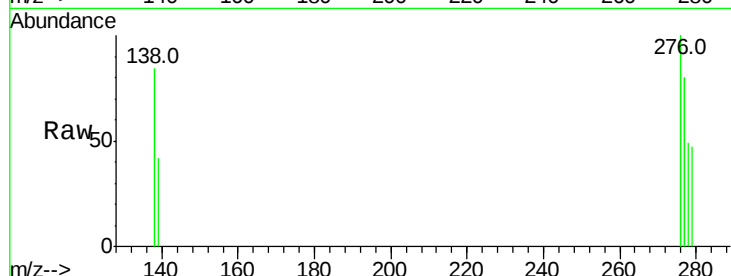
Tot Ion:278 Resp: 143

Ion Ratio Lower Upper

278 100

139 84.6 13.8 20.8#

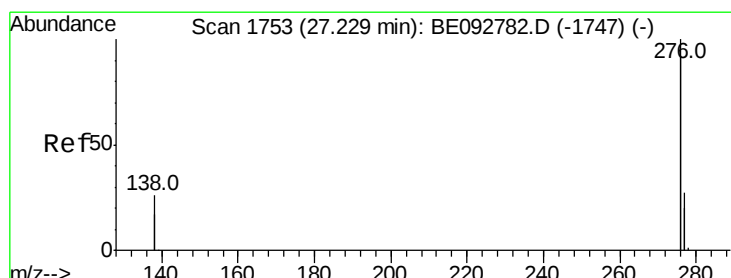
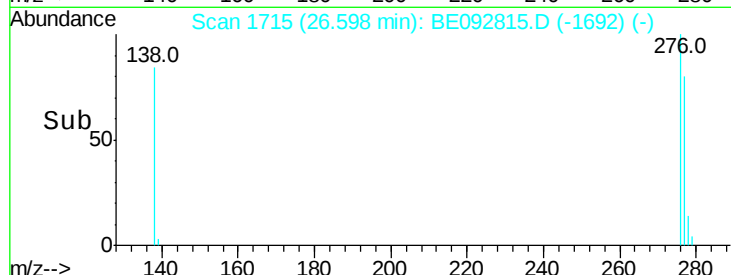
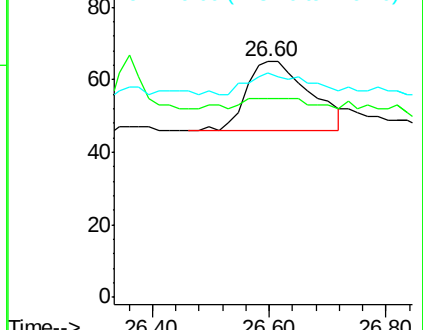
279 95.4 21.4 32.2#



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



#36

Benzo(g,h,i)perylene

Concen: 0.06 ng

RT: 27.31 min Scan# 1757

Delta R.T. 0.07 min

Lab File: BE092815.D

Acq: 10 Mar 2017 19:51

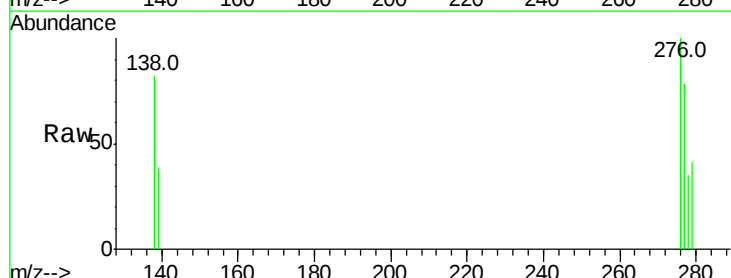
Tgt Ion:276 Resp: 556

Ion Ratio Lower Upper

276 100

277 77.8 19.8 29.8#

138 82.2 19.8 29.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

