

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021916\
 Data File : BE091417.D
 Acq On : 19 Feb 2016 17:02
 Operator : UM/IZ
 Sample : H1498-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160216

Quant Time: Feb 19 22:38:51 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 00:27:53 2016
 Response via : Initial Calibration

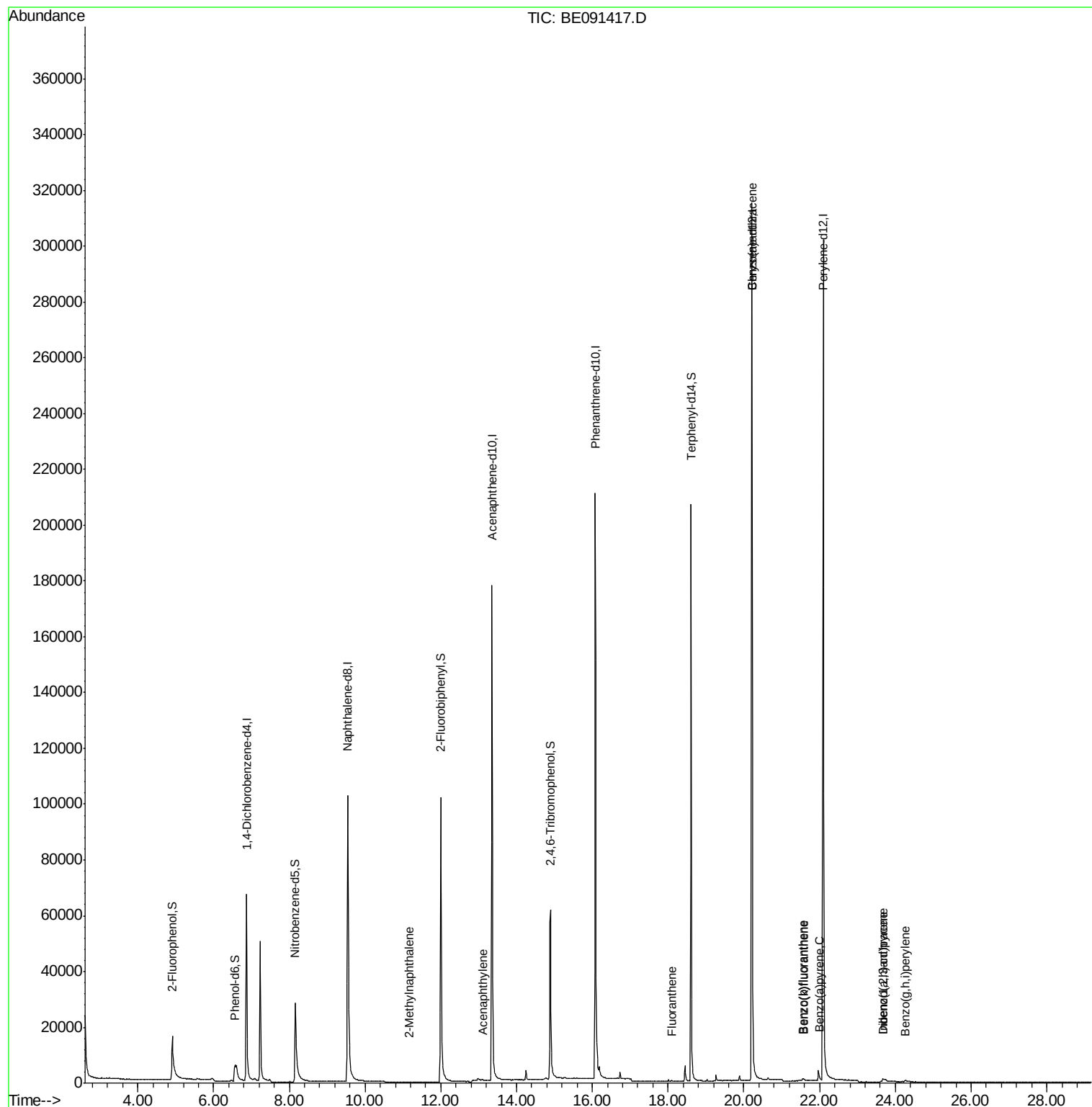
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	38212	5.00	ng	0.00
4) Naphthalene-d8	9.54	136	182940	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	121275	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	288686	5.00	ng	-0.01
18) Chrysene-d12	20.22	240	334319	5.00	ng	0.00
24) Perylene-d12	22.09	264	337522	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.91	112	23753	2.77	ng	-0.04
3) Phenol-d6	6.56	99	17972	1.57	ng	0.00
5) Nitrobenzene-d5	8.16	82	47882	4.01	ng	-0.01
9) 2,4,6-Tribromophenol	14.89	330	36671	6.25	ng	-0.01
10) 2-Fluorobiphenyl	12.00	172	137353	4.35	ng	-0.01
20) Terphenyl-d14	18.61	244	241992	4.89	ng	0.00
Target Compounds						
7) 2-Methylnaphthalene	11.16	142	114	0.13	ng	# 73
11) Acenaphthylene	13.11	152	215	0.18	ng	# 73
17) Fluoranthene	18.10	202	472	0.12	ng	# 81
21) Benzo(a)anthracene	20.21	228	1654	0.19	ng	# 80
22) Chrysene	20.24	228	727	Below Cal		# 82
23) Indeno(1,2,3-cd)pyrene	23.68	276	304	0.17	ng	# 70
25) Benzo(b)fluoranthene	21.55	252	684	0.16	ng	# 46
26) Benzo(k)fluoranthene	21.58	252	964	0.03	ng	# 49
27) Benzo(a)pyrene	22.00	252	778	0.18	ng	# 35
28) Dibenzo(a,h)anthracene	23.67	278	2306	0.28	ng	# 75
29) Benzo(g,h,i)perylene	24.27	276	1246	0.16	ng	# 65

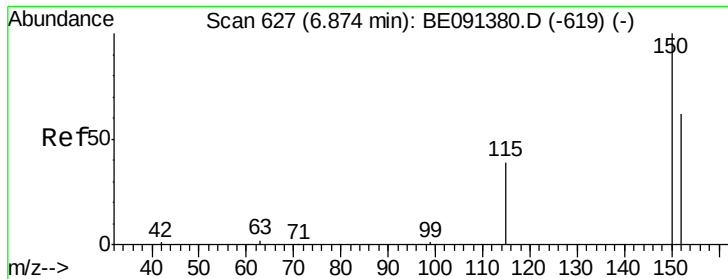
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021916\
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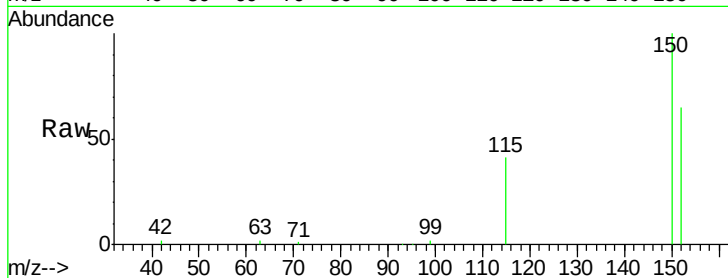




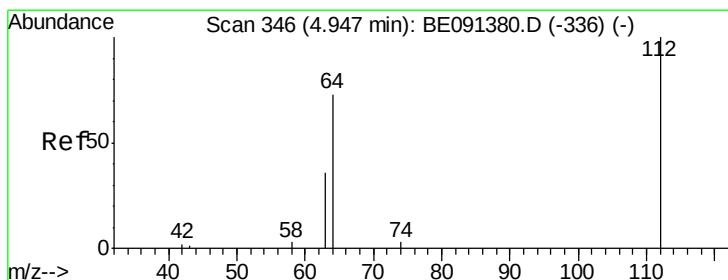
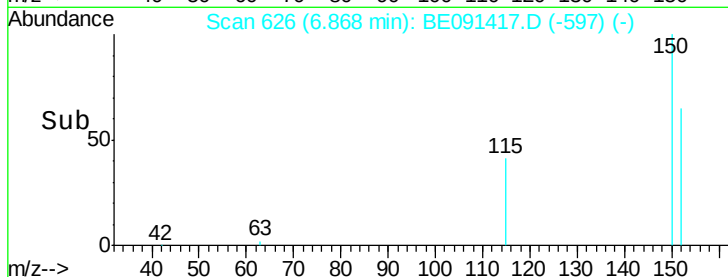
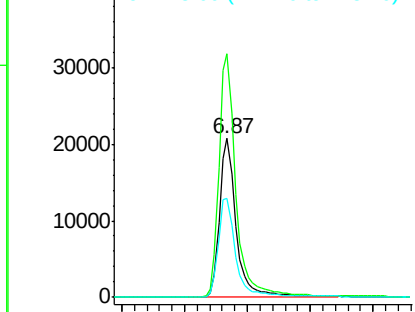
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 6.87 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BE091417.D
 Acq: 19 Feb 2016 17:02

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160216

Tgt Ion:152 Resp: 38212
 Ion Ratio Lower Upper
 152 100
 150 153.3 128.9 193.3
 115 62.5 50.9 76.3

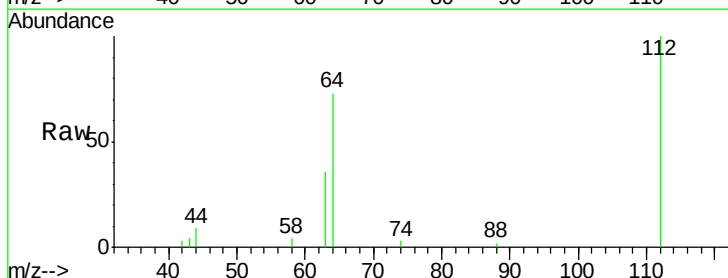


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

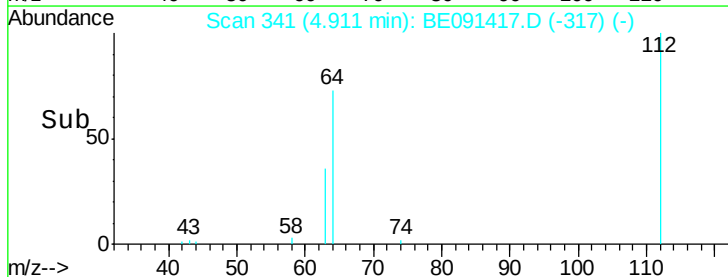
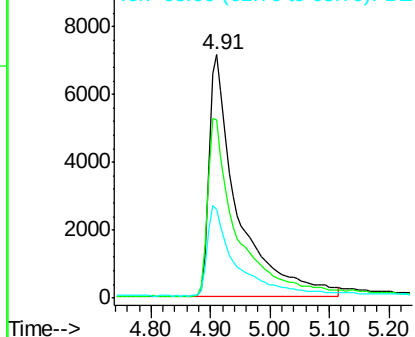


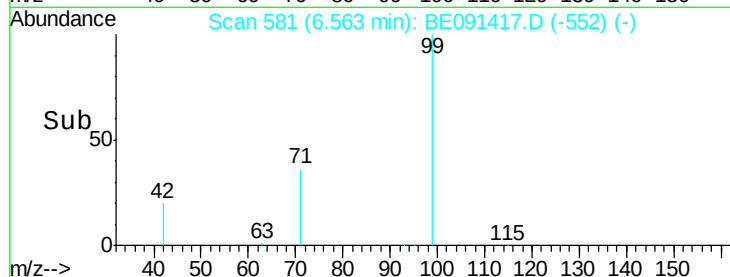
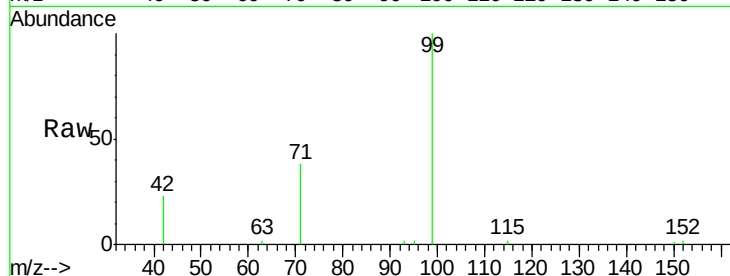
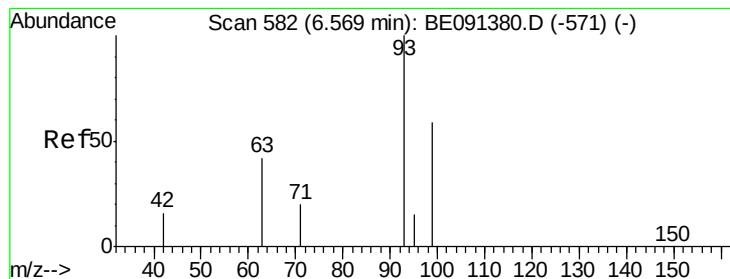
#2
 2-Fluorophenol
 Concen: 2.77 ng
 RT: 4.91 min Scan# 341
 Delta R.T. -0.04 min
 Lab File: BE091417.D
 Acq: 19 Feb 2016 17:02

Tgt Ion:112 Resp: 23753
 Ion Ratio Lower Upper
 112 100
 64 74.7 60.5 90.7
 63 37.9 29.8 44.8



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





#3

Phenol-d6

Concen: 1.57 ng

RT: 6.56 min Scan# 581

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160216

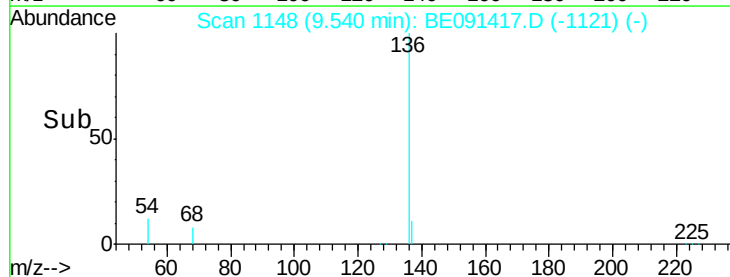
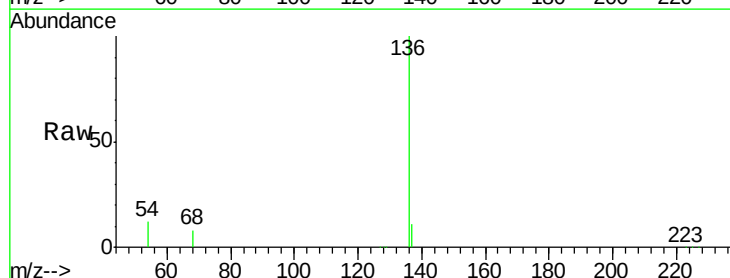
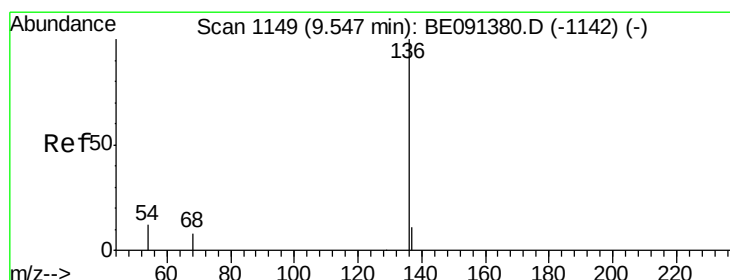
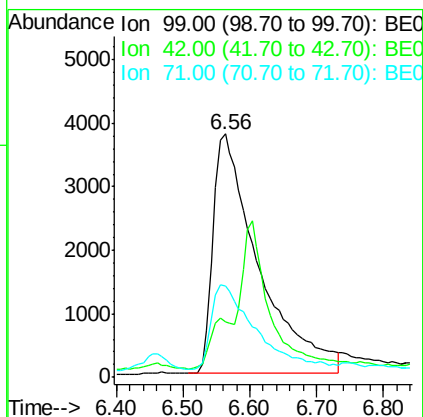
Tgt Ion: 99 Resp: 17972

Ion Ratio Lower Upper

99 100

42 8.8 13.3 19.9#

71 34.4 25.6 38.4



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.54 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Tgt Ion: 136 Resp: 182940

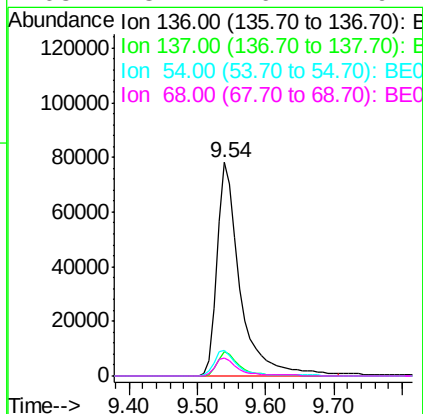
Ion Ratio Lower Upper

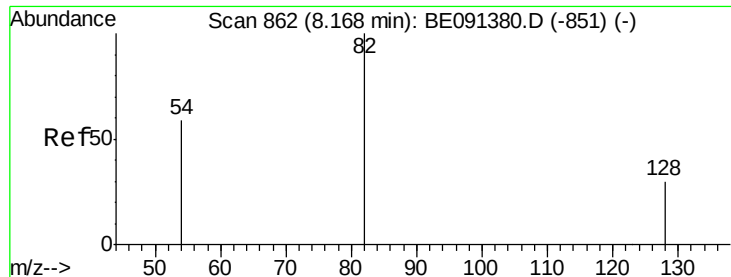
136 100

137 11.2 8.7 13.1

54 11.9 9.3 13.9

68 8.4 6.7 10.1





#5

Nitrobenzene-d5

Concen: 4.01 ng

RT: 8.16 min Scan# 859

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160216

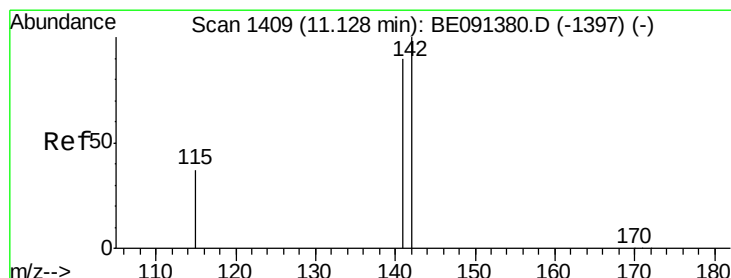
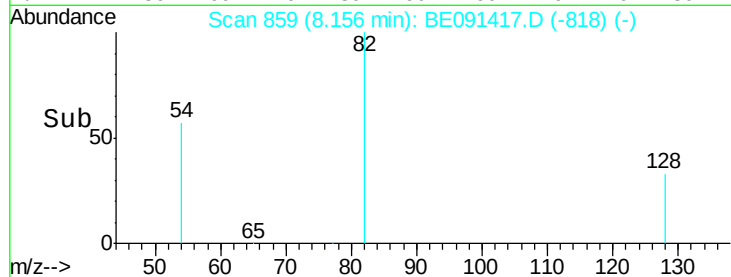
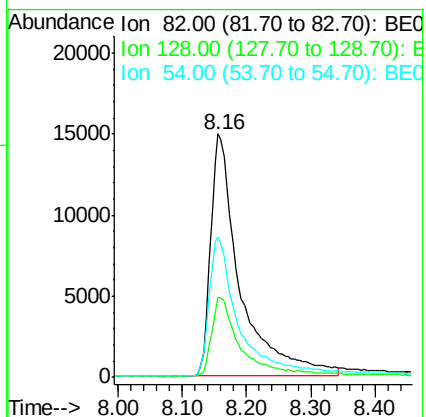
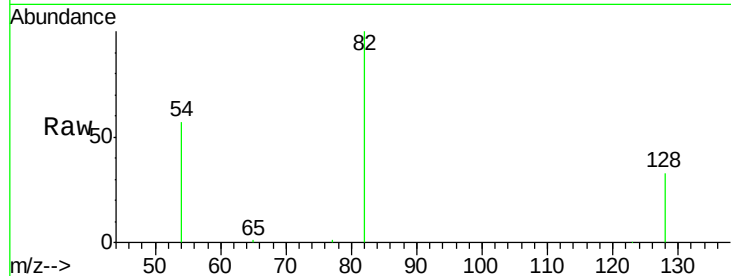
Tgt Ion: 82 Resp: 47882

Ion Ratio Lower Upper

82 100

128 32.8 25.0 37.4

54 57.3 48.1 72.1



#7

2-Methylnaphthalene

Concen: 0.13 ng

RT: 11.16 min Scan# 1417

Delta R.T. 0.04 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

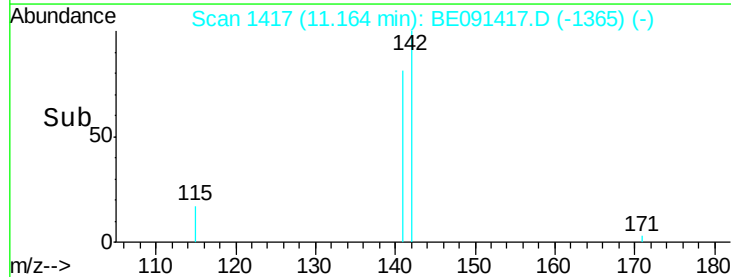
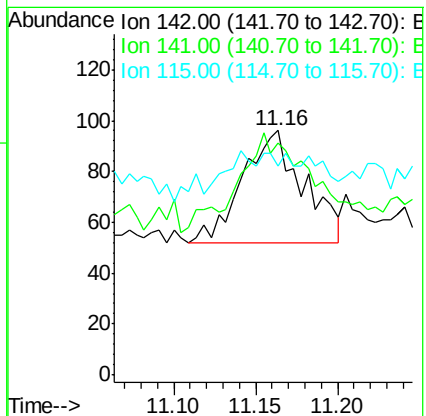
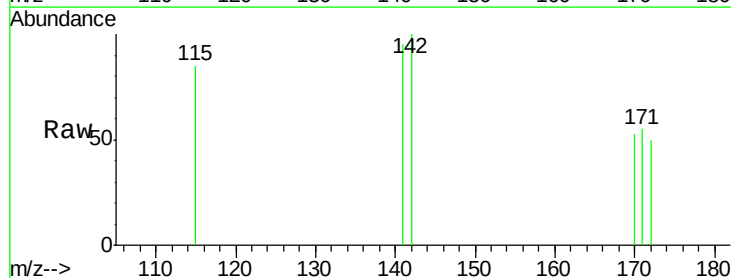
Tgt Ion: 142 Resp: 114

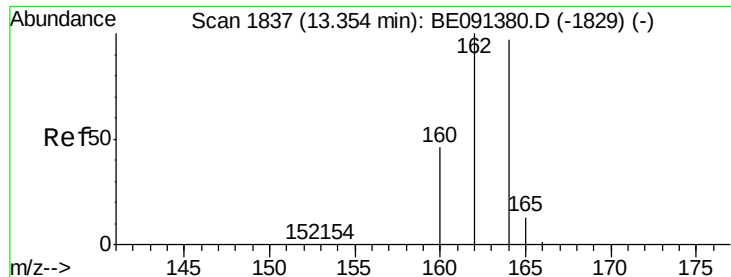
Ion Ratio Lower Upper

142 100

141 94.8 72.3 108.5

115 85.4 30.5 45.7#





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.34 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160216

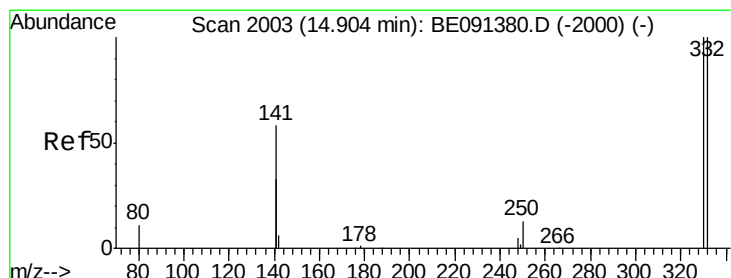
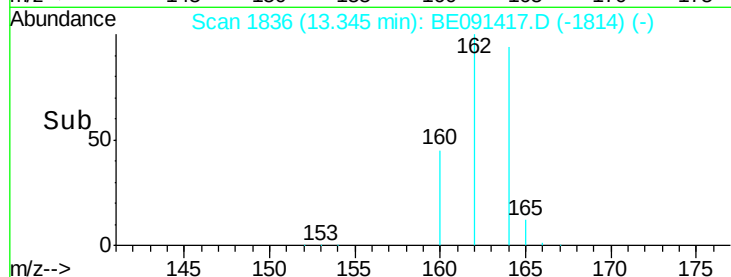
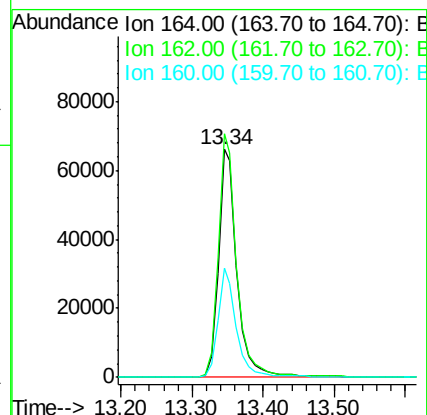
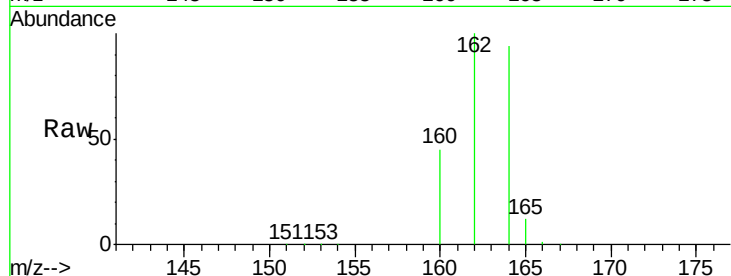
Tgt Ion:164 Resp: 121275

Ion Ratio Lower Upper

164 100

162 106.7 82.2 123.2

160 47.6 37.8 56.8



#9

2,4,6-Tribromophenol

Concen: 6.25 ng

RT: 14.89 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

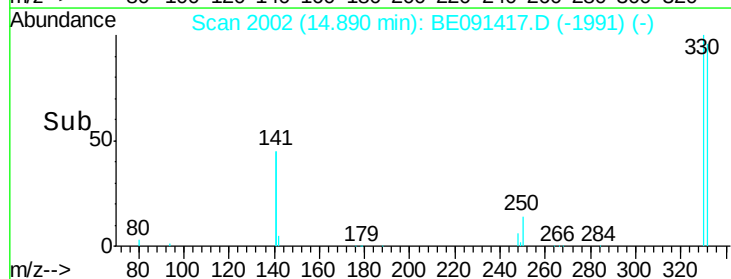
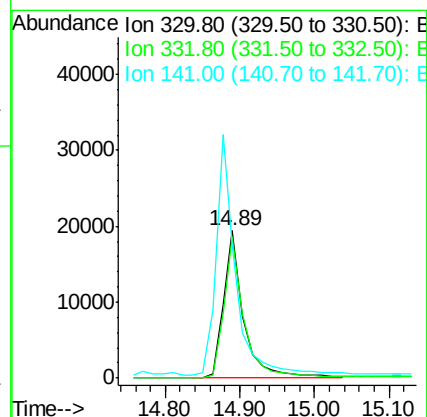
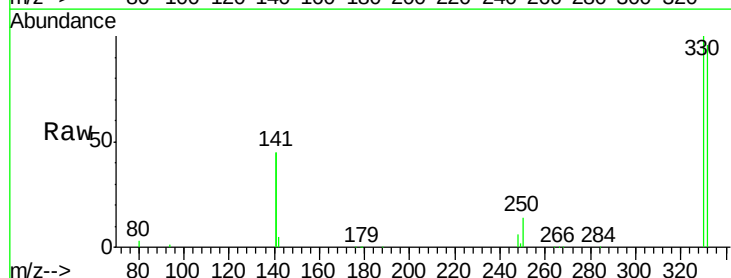
Tgt Ion:330 Resp: 36671

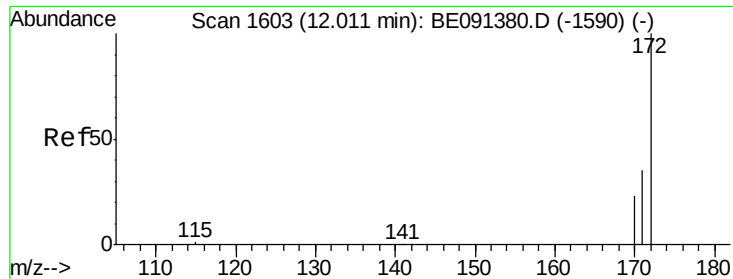
Ion Ratio Lower Upper

330 100

332 95.7 78.8 118.2

141 157.2 105.1 157.7

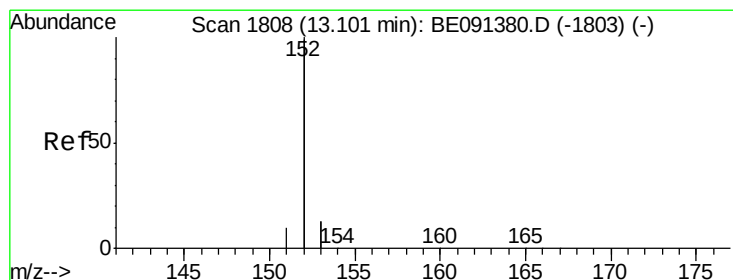
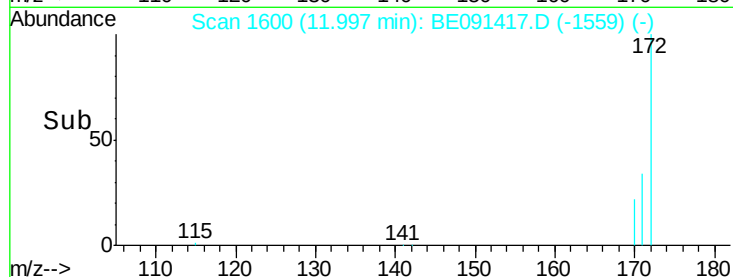
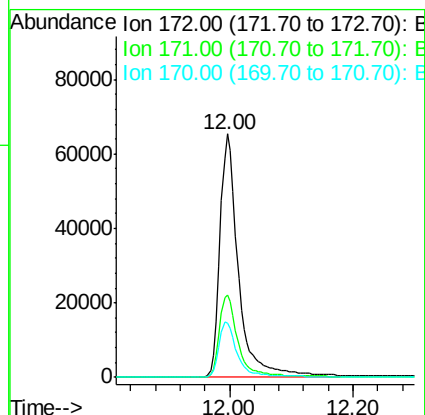
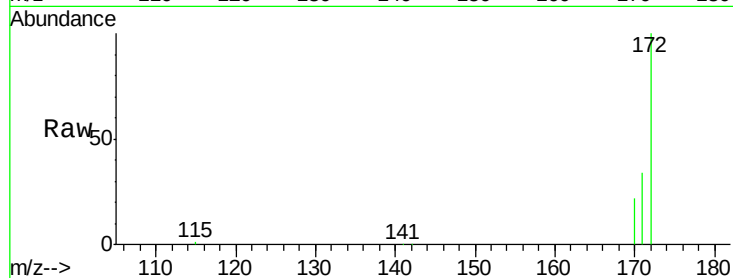




#10
2-Fluorobiphenyl
Concen: 4.35 ng
RT: 12.00 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BE091417.D
Acq: 19 Feb 2016 17:02

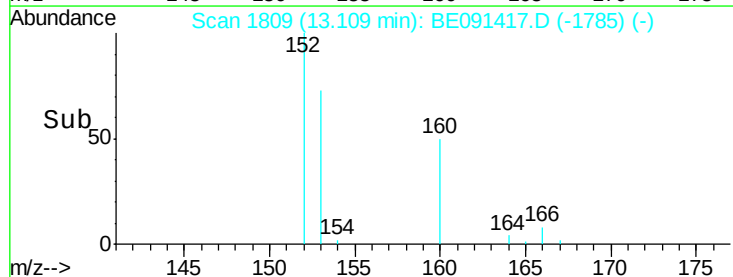
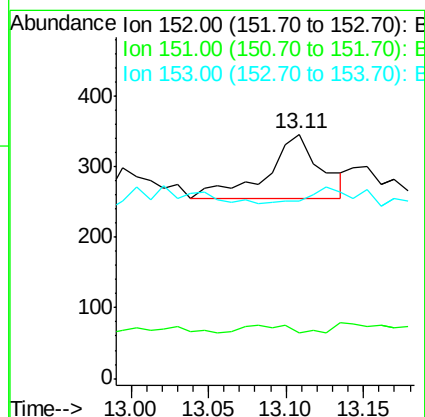
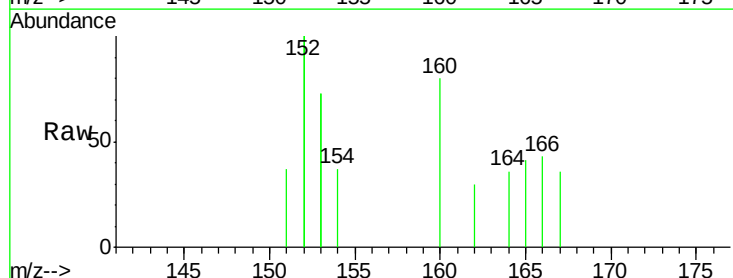
Instrument :
BNA_E
ClientSampleId :
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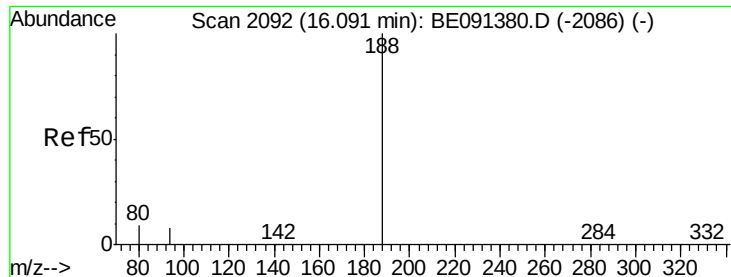
Tgt Ion:172 Resp: 137353
Ion Ratio Lower Upper
172 100
171 33.8 27.8 41.8
170 22.1 18.6 28.0



#11
Acenaphthylene
Concen: 0.18 ng
RT: 13.11 min Scan# 1809
Delta R.T. 0.01 min
Lab File: BE091417.D
Acq: 19 Feb 2016 17:02

Tgt Ion:152 Resp: 215
Ion Ratio Lower Upper
152 100
151 0.0 3.8 5.8#
153 0.0 10.2 15.4#





#14

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.08 min Scan# 2091

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160216

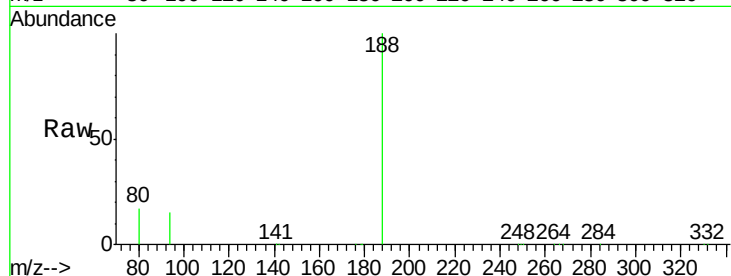
Tgt Ion:188 Resp: 288686

Ion Ratio Lower Upper

188 100

94 14.8 6.6 10.0#

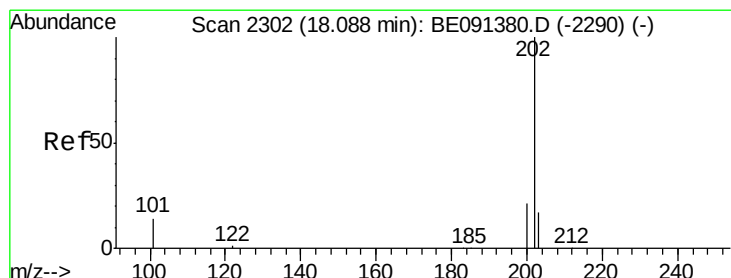
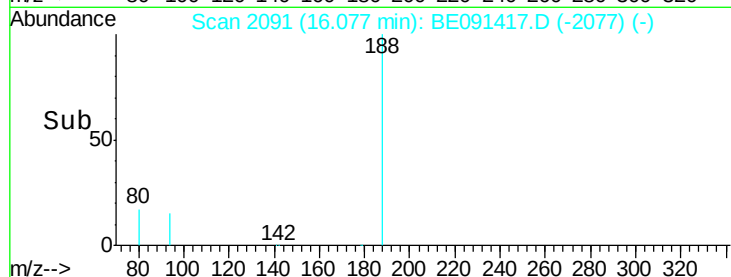
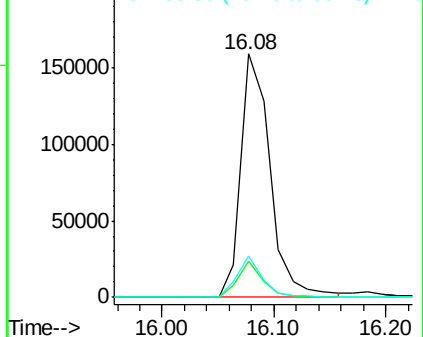
80 16.8 7.0 10.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#17

Fluoranthene

Concen: 0.12 ng

RT: 18.10 min Scan# 2303

Delta R.T. 0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

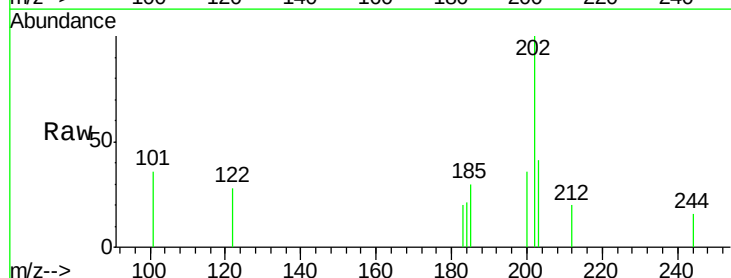
Tgt Ion:202 Resp: 472

Ion Ratio Lower Upper

202 100

101 16.5 10.5 15.7#

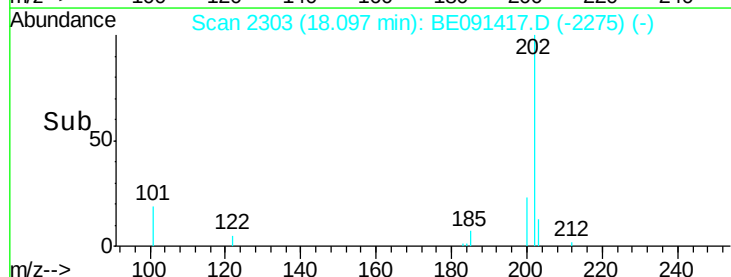
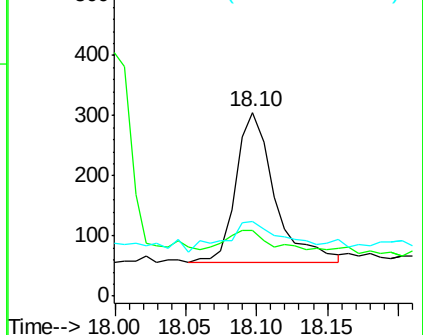
203 29.4 13.9 20.9#

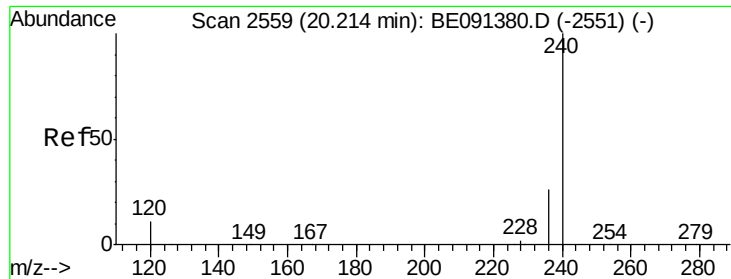


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Chrysene-d12

Concen: 5.00 ng

RT: 20.22 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

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OUTFALL001-160216

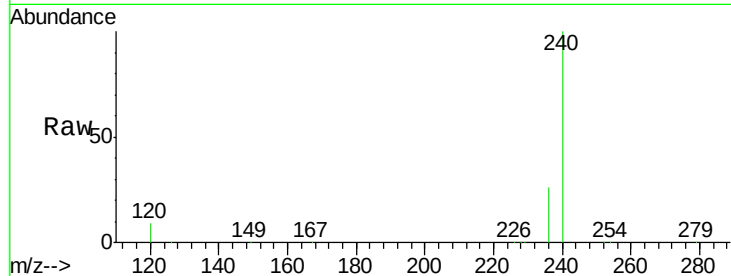
Tgt Ion:240 Resp: 334319

Ion Ratio Lower Upper

240 100

120 8.6 8.9 13.3#

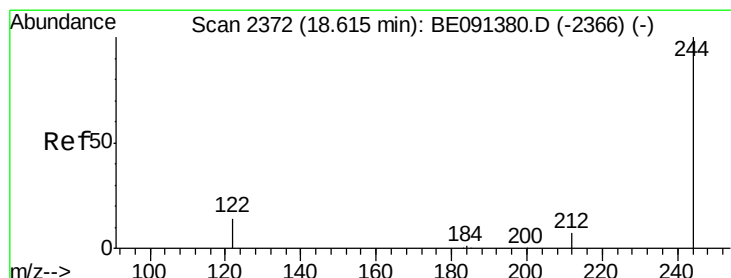
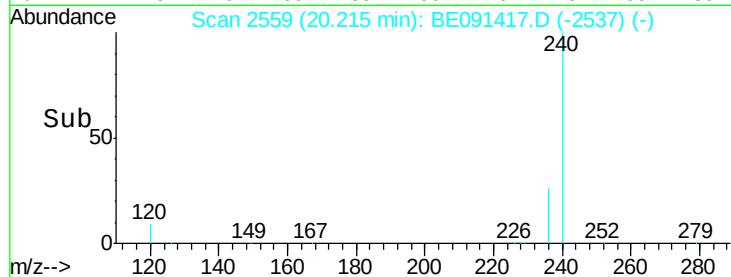
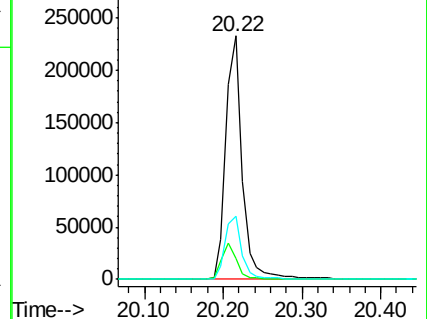
236 26.0 21.0 31.4



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



#20

Terphenyl-d14

Concen: 4.89 ng

RT: 18.61 min Scan# 2371

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

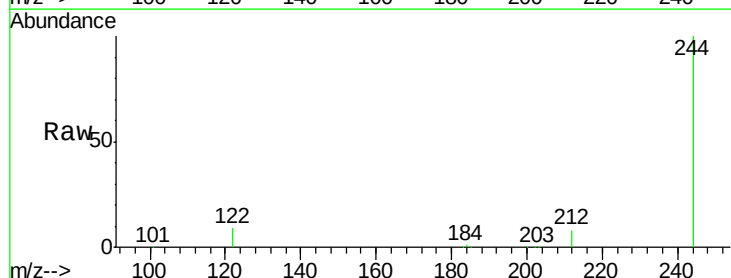
Tgt Ion:244 Resp: 241992

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

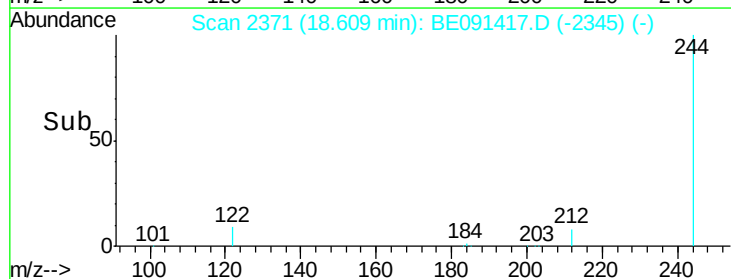
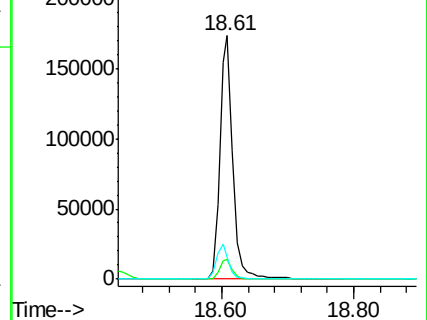
122 9.1 11.0 16.6#

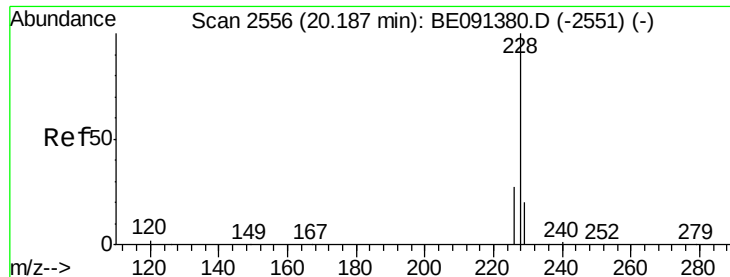


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#21

Benzo(a)anthracene

Concen: 0.19 ng

RT: 20.21 min Scan# 2558

Delta R.T. 0.02 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160216

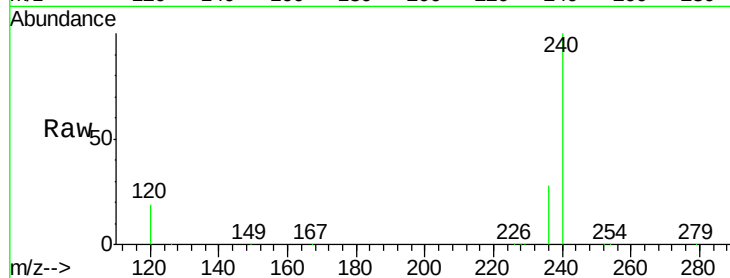
Tgt Ion:228 Resp: 1654

Ion Ratio Lower Upper

228 100

226 17.7 21.7 32.5#

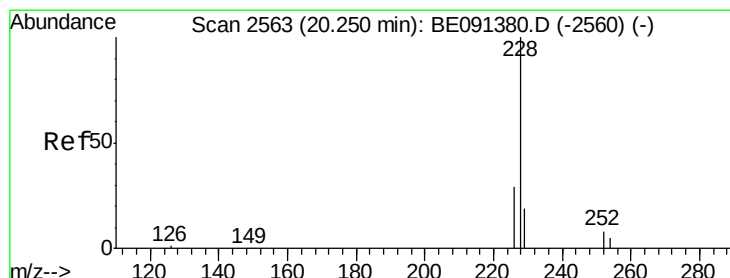
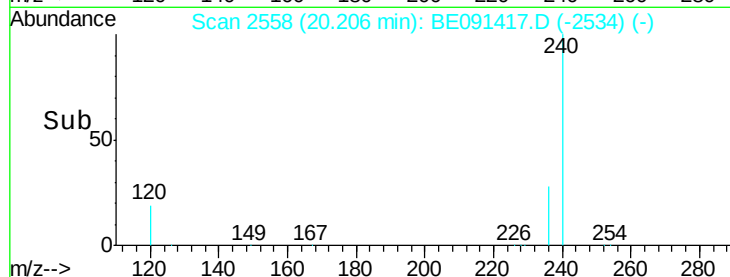
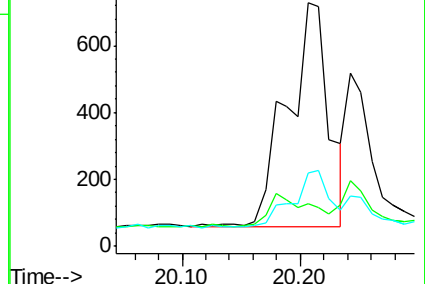
229 30.4 16.1 24.1#



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



#22

Chrysene

Concen: Below Cal

RT: 20.24 min Scan# 2562

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

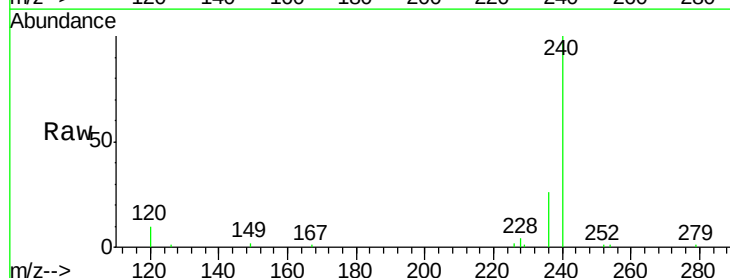
Tgt Ion:228 Resp: 727

Ion Ratio Lower Upper

228 100

226 38.0 23.4 35.0#

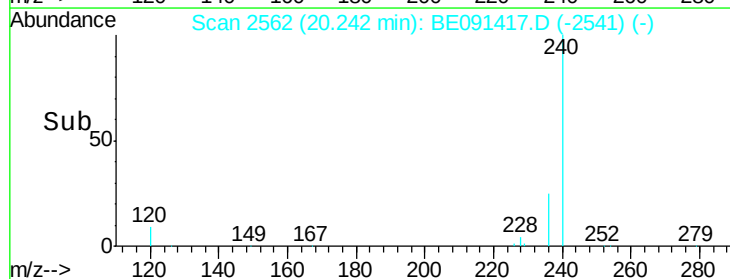
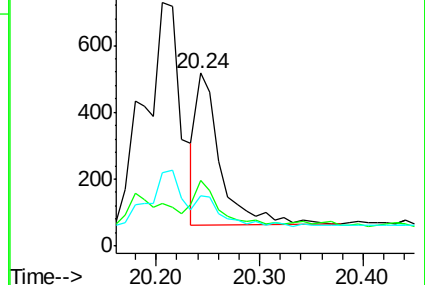
229 29.3 15.7 23.5#

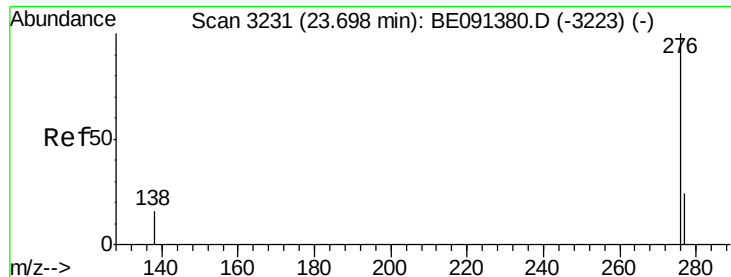


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

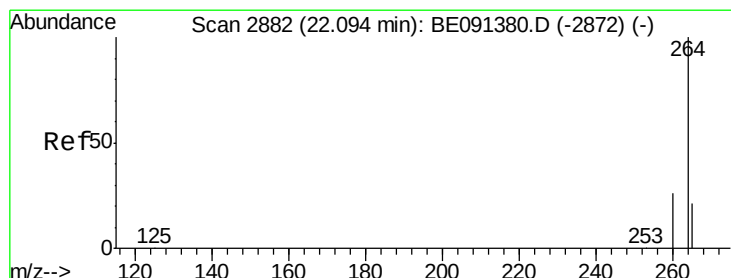
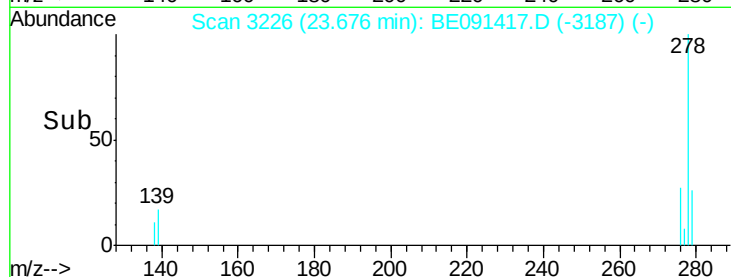
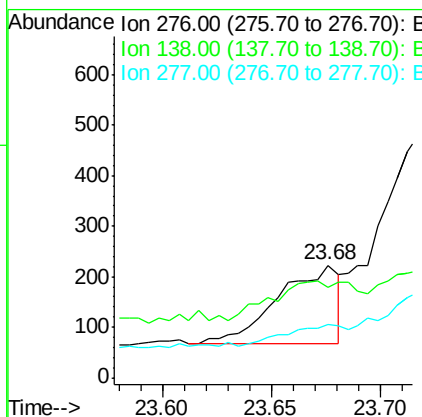
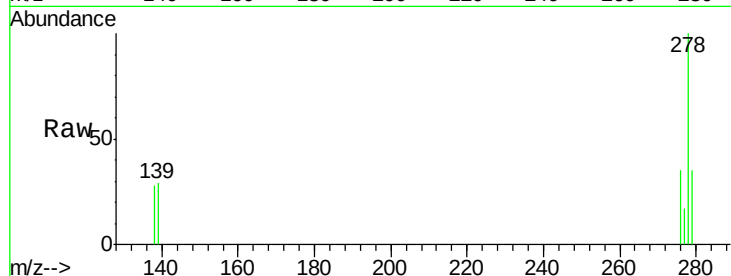




#23
Indeno(1,2,3-cd)pyrene
Concen: 0.17 ng
RT: 23.68 min Scan# 3226
Delta R.T. -0.02 min
Lab File: BE091417.D
Acq: 19 Feb 2016 17:02

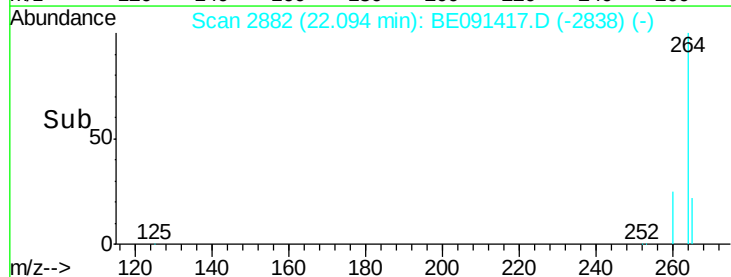
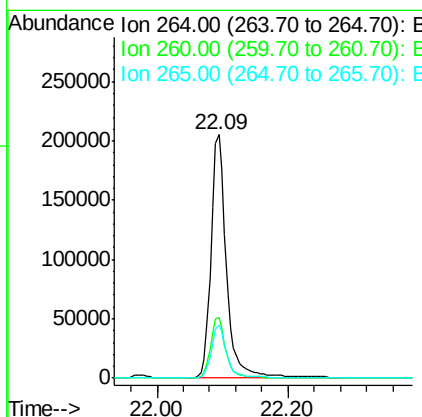
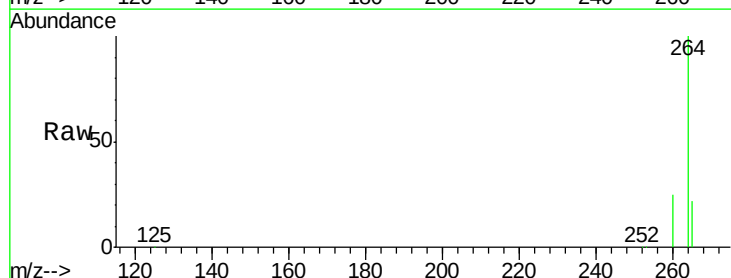
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160216

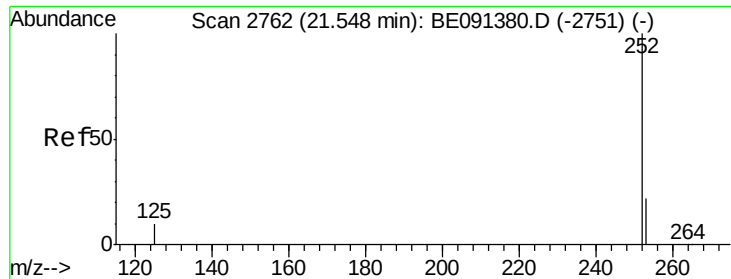
Tgt Ion: 276 Resp: 304
Ion Ratio Lower Upper
276 100
138 47.4 16.6 25.0#
277 27.3 19.0 28.6



#24
Perylene-d12
Concen: 5.00 ng
RT: 22.09 min Scan# 2882
Delta R.T. -0.00 min
Lab File: BE091417.D
Acq: 19 Feb 2016 17:02

Tgt Ion: 264 Resp: 337522
Ion Ratio Lower Upper
264 100
260 24.7 20.7 31.1
265 21.8 17.2 25.8

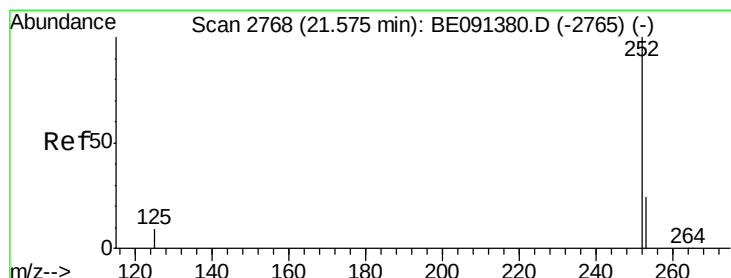
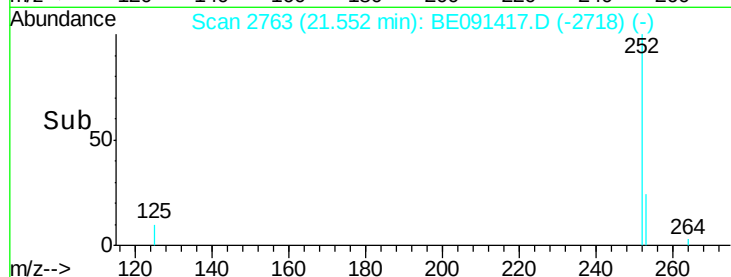
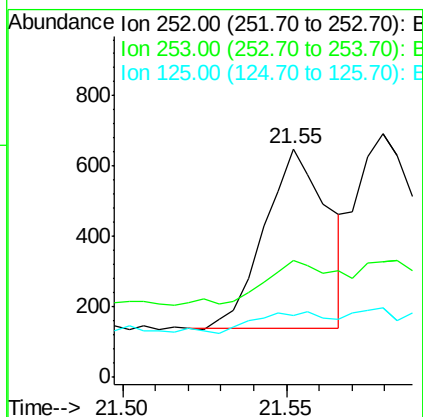
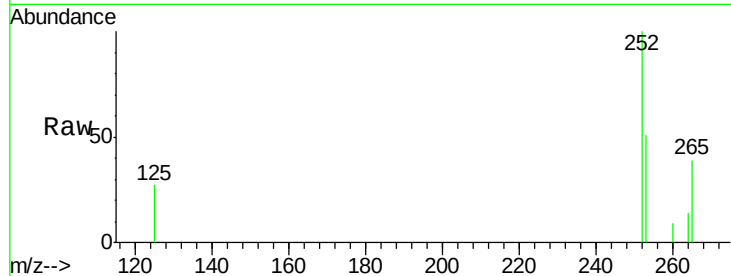




#25
Benzo(b)fluoranthene
Concen: 0.16 ng
RT: 21.55 min Scan# 2763
Delta R.T. 0.01 min
Lab File: BE091417.D
Acq: 19 Feb 2016 17:02

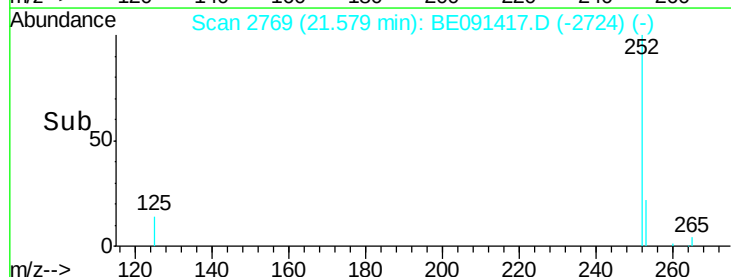
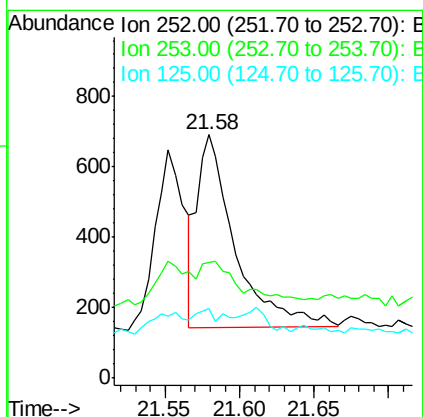
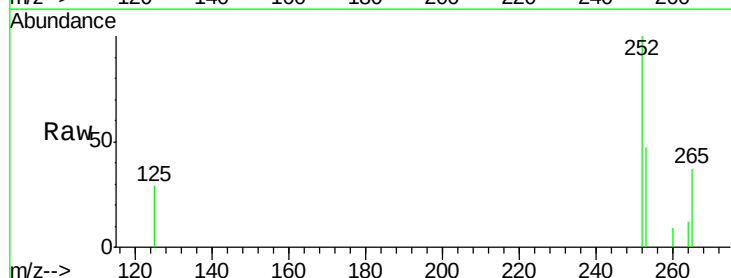
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160216

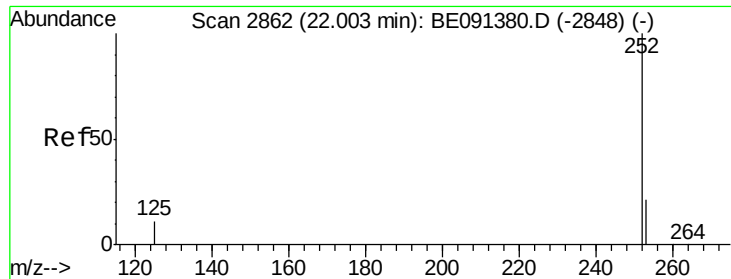
Tgt Ion:252 Resp: 684
Ion Ratio Lower Upper
252 100
253 51.0 18.2 27.2#
125 27.3 8.3 12.5#



#26
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 21.58 min Scan# 2769
Delta R.T. 0.00 min
Lab File: BE091417.D
Acq: 19 Feb 2016 17:02

Tgt Ion:252 Resp: 964
Ion Ratio Lower Upper
252 100
253 47.3 18.1 27.1#
125 28.8 8.2 12.4#





#27

Benzo(a)pyrene

Concen: 0.18 ng

RT: 22.00 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160216

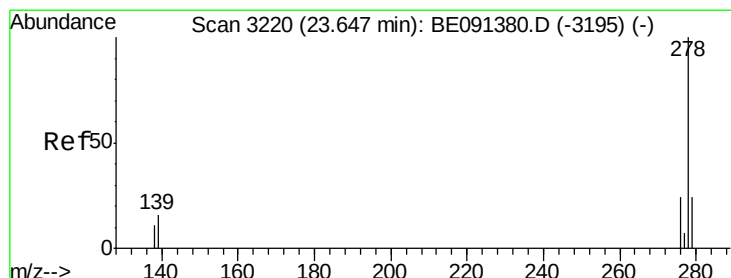
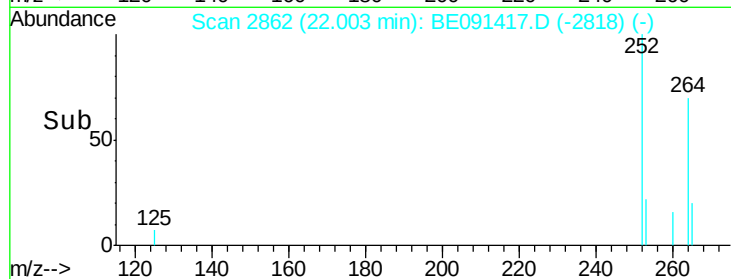
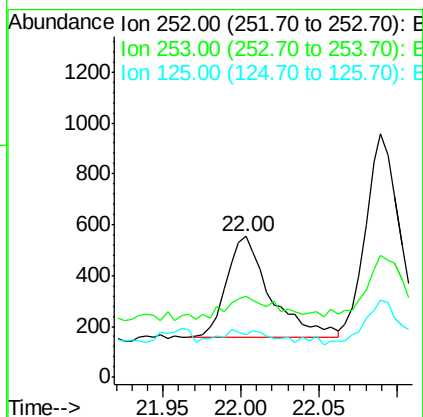
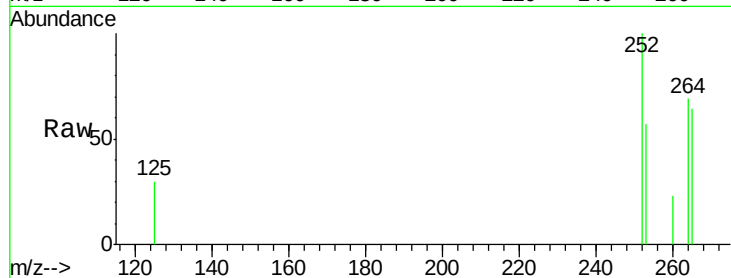
Tgt Ion:252 Resp: 778

Ion Ratio Lower Upper

252 100

253 57.2 17.5 26.3#

125 30.3 9.4 14.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.28 ng

RT: 23.67 min Scan# 3224

Delta R.T. 0.02 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

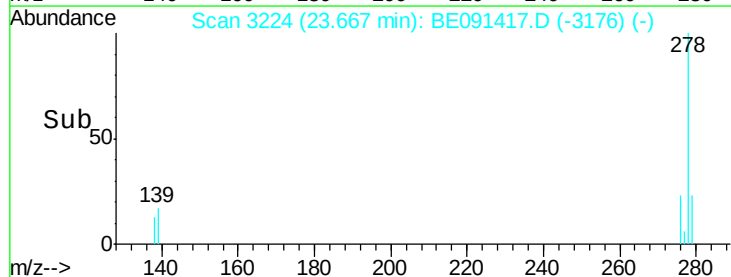
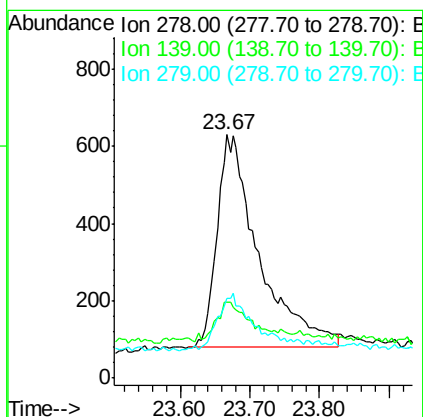
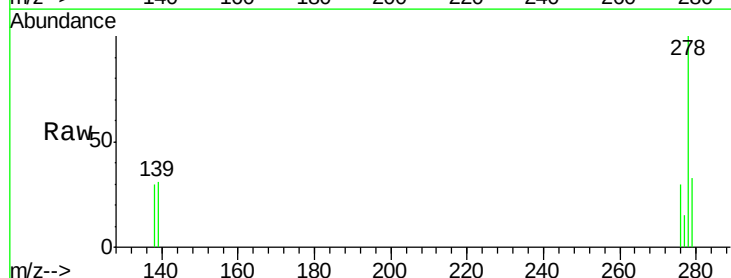
Tgt Ion:278 Resp: 2306

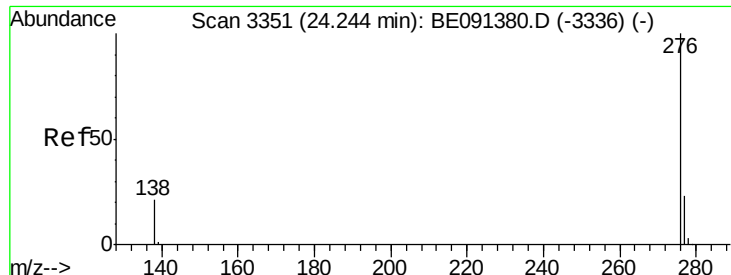
Ion Ratio Lower Upper

278 100

139 31.1 13.0 19.4#

279 32.7 19.2 28.8#





#29

Benzo(g,h,i)perylene

Concen: 0.16 ng

RT: 24.27 min Scan# 3356

Delta R.T. 0.02 min

Lab File: BE091417.D

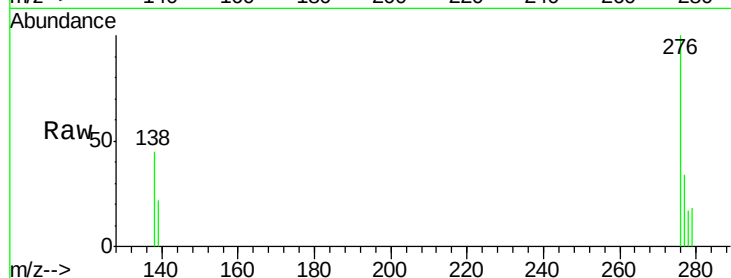
Acq: 19 Feb 2016 17:02

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160216



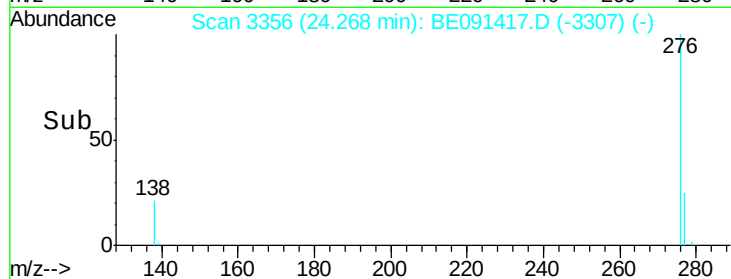
Tgt Ion: 276 Resp: 1246

Ion Ratio Lower Upper

276 100

277 34.2 18.9 28.3#

138 45.0 17.0 25.6#



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

