

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100617\
 Data File : BE094185.D
 Acq On : 6 Oct 2017 18:47
 Operator : SJ/JU
 Sample : I5660-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-171003

Quant Time: Oct 07 01:12:58 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 06 15:16:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1729	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	8129	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4871	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	15039	0.40	ng	0.00
27) Chrysene-d12	21.40	240	12354	0.40	ng	0.00
34) Perylene-d12	23.91	264	11529	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.50	112	939	0.16	ng	0.00
5) Phenol-d6	7.10	99	774	0.09	ng	0.01
8) Nitrobenzene-d5	9.06	82	2734	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	5009	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	606	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	8154	0.49	ng	0.00
25) Fluoranthene-d10	19.26	212	58549	0.39	ng	0.00
29) Terphenyl-d14	19.84	244	12590	0.54	ng	0.00

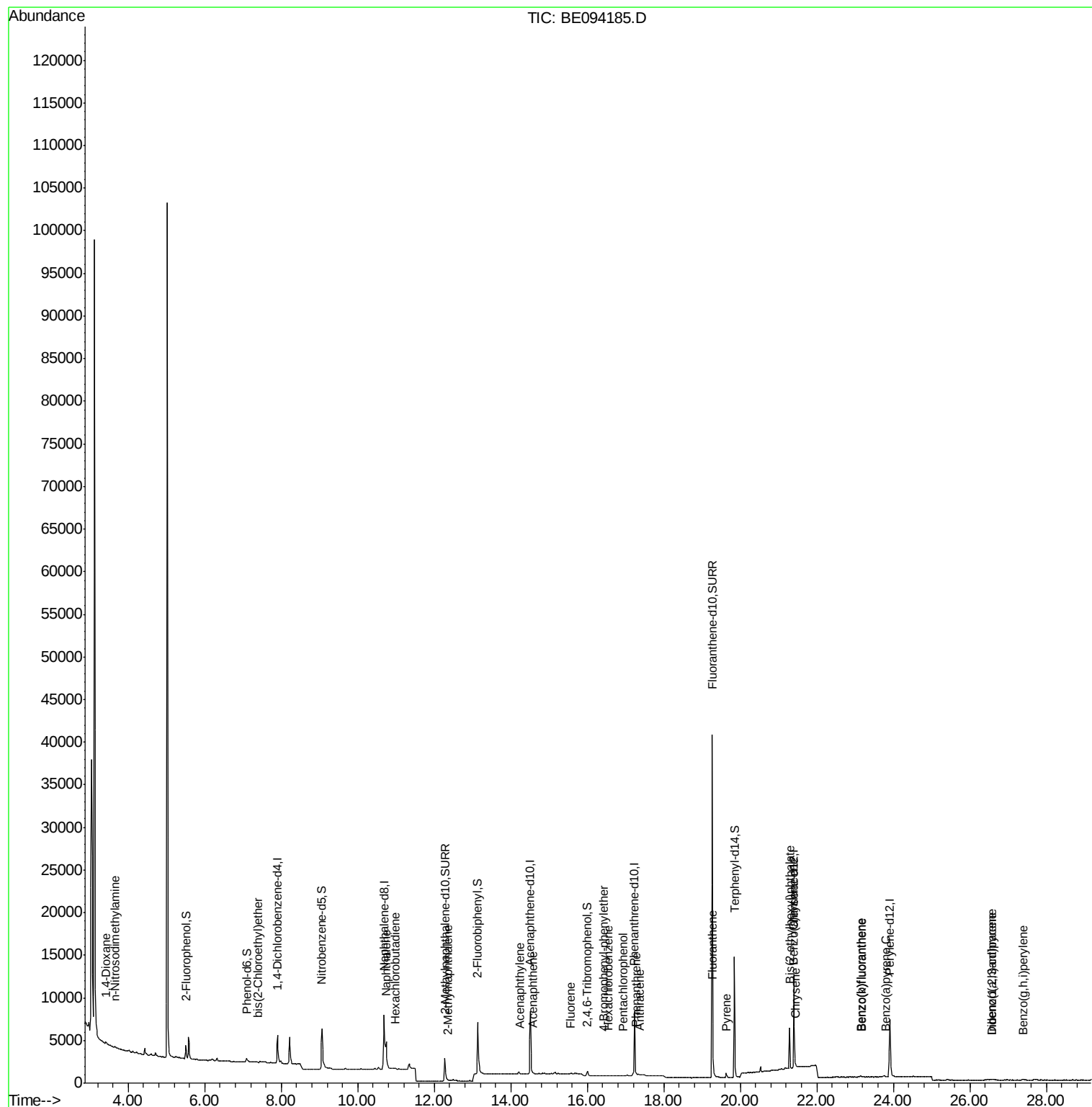
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	322	0.103	ng	# 56
3) n-Nitrosodimethylamine	3.65	42	161	0.048	ng	# 1
6) bis(2-Chloroethyl)ether	7.39	93	5	0.001	ng	# 1
9) Naphthalene	10.74	128	6057	0.066	ng	# 96
10) Hexachlorobutadiene	10.98	225	4	0.001	ng	# 49
12) 2-Methylnaphthalene	12.36	142	26	0.002	ng	# 61
16) Acenaphthylene	14.23	152	17	0.001	ng	# 61
17) Acenaphthene	14.57	154	45	0.003	ng	# 25
18) Fluorene	15.56	166	52	0.002	ng	# 67
20) 4-Bromophenyl-phenylether	16.42	248	8	0.001	ng	# 48
21) Hexachlorobenzene	16.55	284	8	0.001	ng	# 1
22) Pentachlorophenol	16.94	266	16	0.008	ng	# 94
23) Phenanthrene	17.27	178	151	0.003	ng	# 80
24) Anthracene	17.37	178	68	0.002	ng	# 62
26) Fluoranthene	19.29	202	133	0.003	ng	# 65
28) Pyrene	19.65	202	120	0.003	ng	# 91
30) Benzo(a)anthracene	21.39	228	131	0.003	ng	# 29
31) Chrysene	21.44	228	124	0.003	ng	# 29
32) Bis(2-ethylhexyl)phthalate	21.29	149	6702	0.072	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.57	276	134	0.003	ng	# 62
35) Benzo(b)fluoranthene	23.15	252	231	0.006	ng	# 1
36) Benzo(k)fluoranthene	23.19	252	98	0.002	ng	# 1
37) Benzo(a)pyrene	23.80	252	67	0.002	ng	# 1
38) Dibenzo(a,h)anthracene	26.58	278	120	0.004	ng	# 1
39) Benzo(g,h,i)perylene	27.38	276	125	0.004	ng	# 1

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

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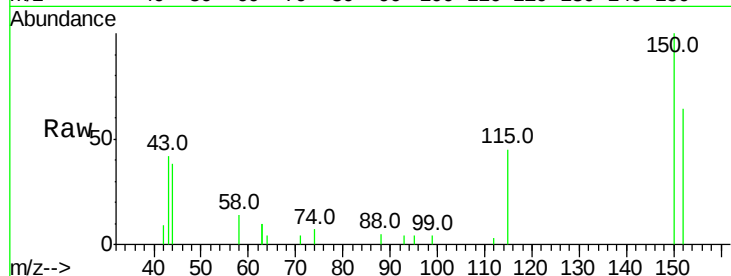


#1

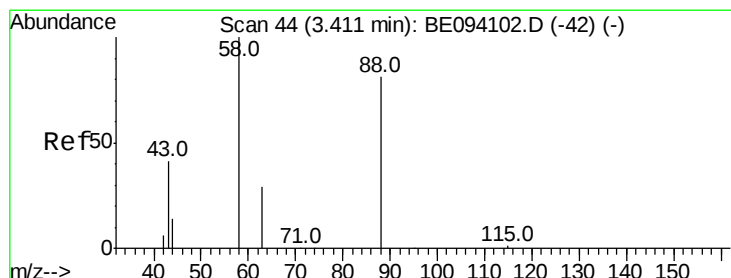
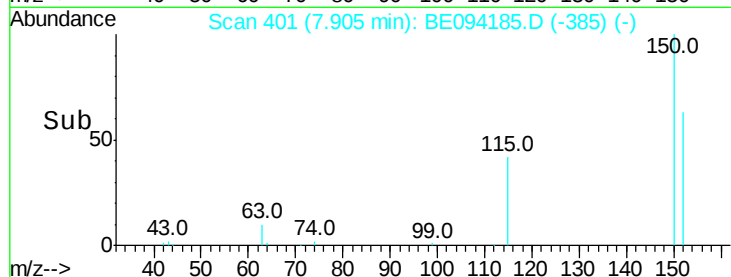
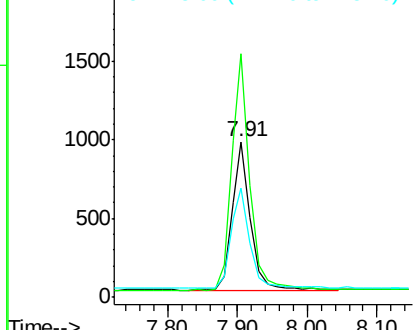
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094185.D
Acq: 6 Oct 2017 18:47

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-171003

Tot Ion:152 Resp: 1729
Ion Ratio Lower Upper
152 100
150 156.2 117.2 175.8
115 70.0 57.0 85.6



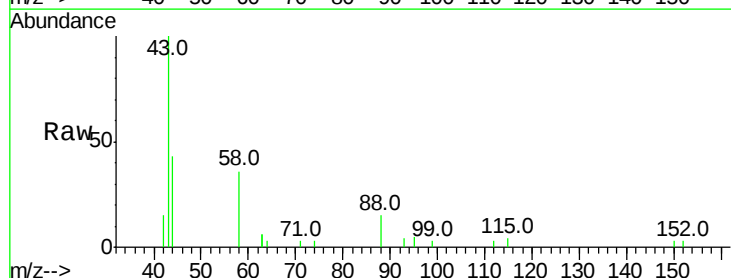
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



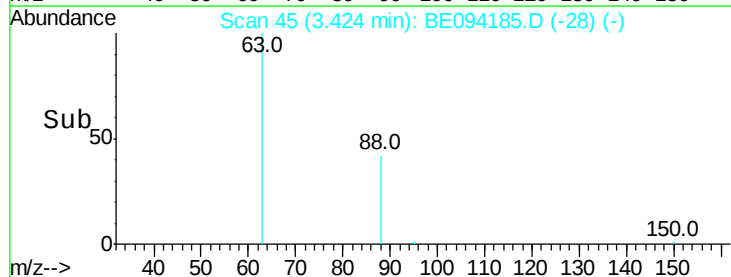
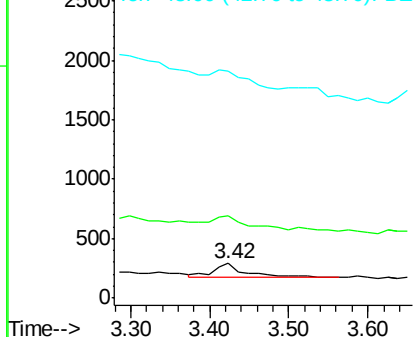
#2

1,4-Dioxane
Concen: 0.103 ng
RT: 3.42 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE094185.D
Acq: 6 Oct 2017 18:47

Tgt Ion: 88 Resp: 322
Ion Ratio Lower Upper
88 100
58 100.0 63.2 94.8#
43 0.0 41.2 61.8#



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



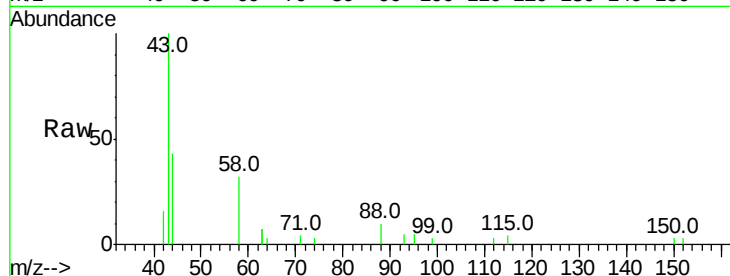


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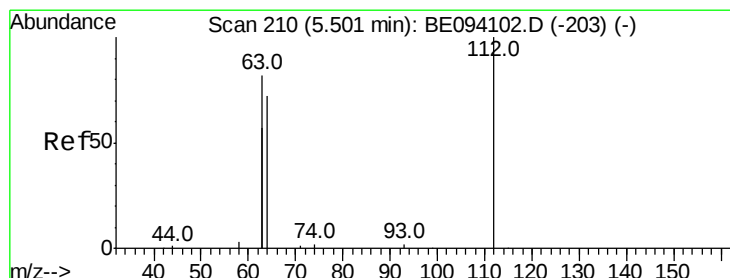
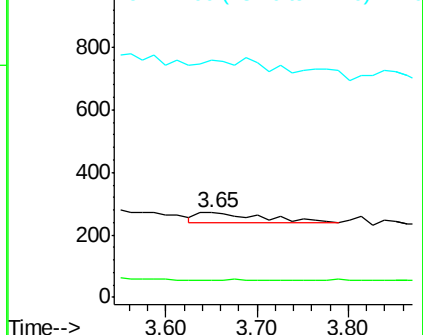
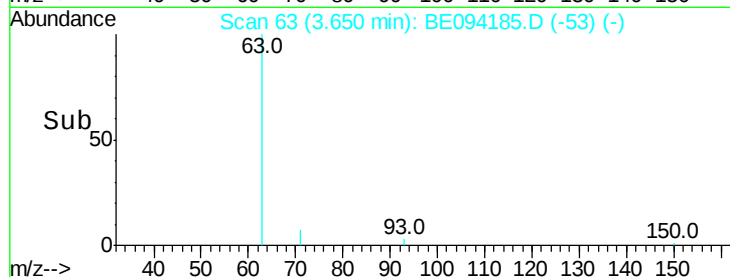
n-Nitrosodimethylamine
 Concen: 0.048 ng
 RT: 3.65 min Scan# 63
 Delta R.T. -0.08 min
 Lab File: BE094185.D
 Acq: 6 Oct 2017 18:47

Instrument :
 BNA_E
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 OUTFALL001-171003

Tot Ion: 42 Resp: 161
 Ion Ratio Lower Upper
 42 100
 74 0.0 100.3 150.5#
 44 0.0 17.0 25.4#



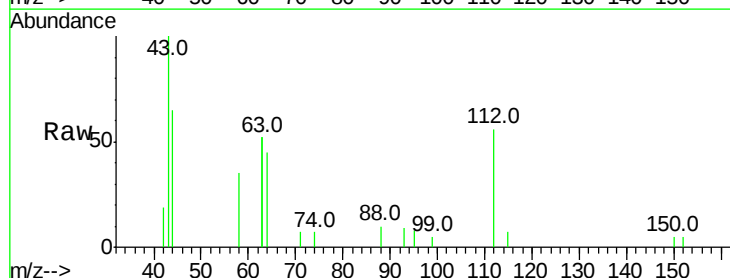
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



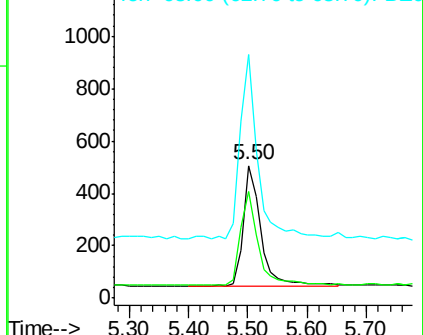
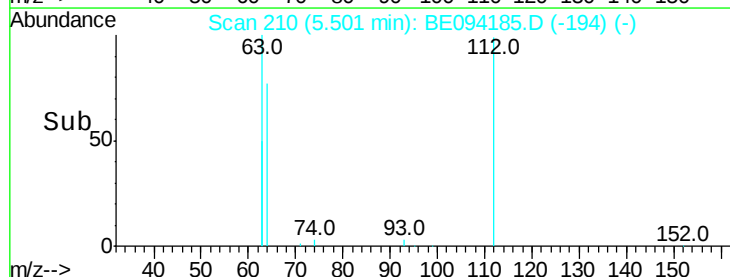
#4

2-Fluorophenol
 Concen: 0.163 ng
 RT: 5.50 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: BE094185.D
 Acq: 6 Oct 2017 18:47

Tgt Ion: 112 Resp: 939
 Ion Ratio Lower Upper
 112 100
 64 79.8 60.1 90.1
 63 152.1 116.8 175.2



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: 0.093 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

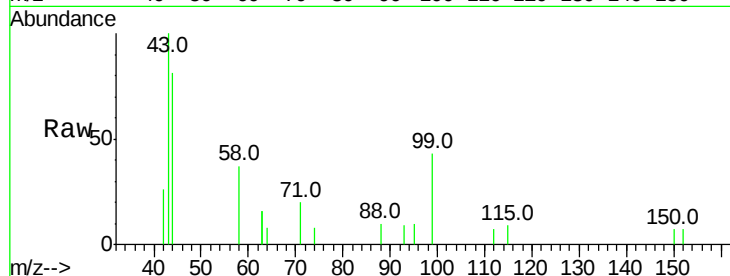
Tot Ion: 99 Resp: 774

Ion Ratio Lower Upper

99 100

42 19.4 20.2 30.2#

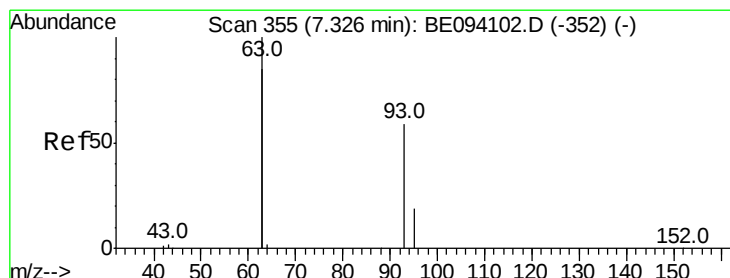
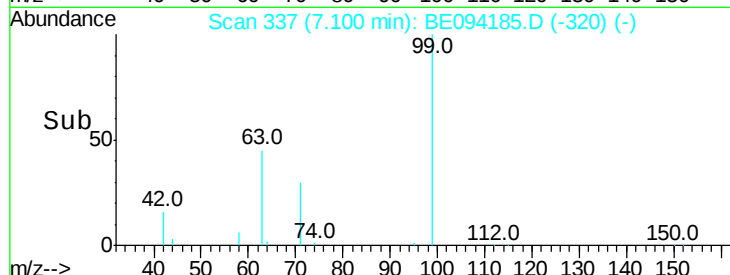
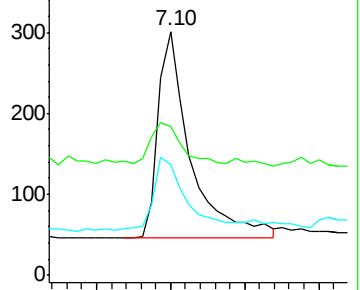
71 38.9 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.001 ng

RT: 7.39 min Scan# 360

Delta R.T. 0.06 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

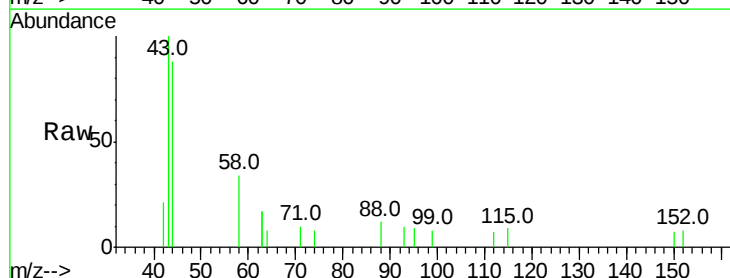
Tgt Ion: 93 Resp: 5

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

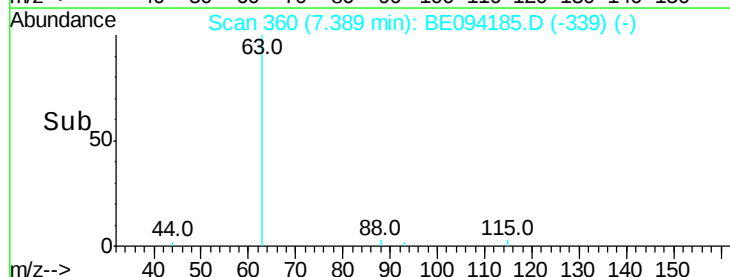
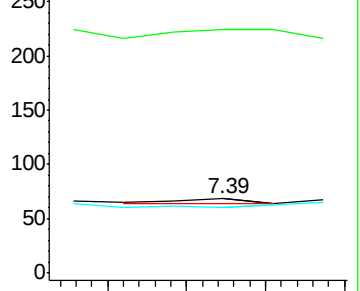
95 0.0 25.2 37.8#

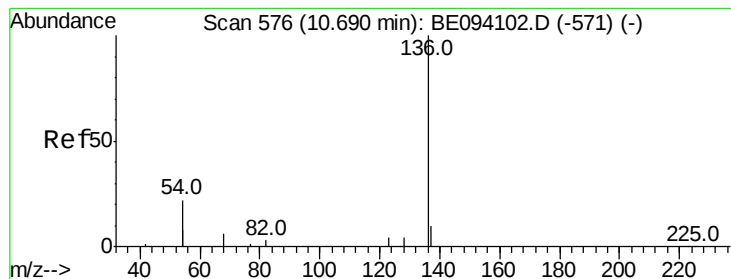


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

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OUTFALL001-171003

Tot Ion:136 Resp: 8129

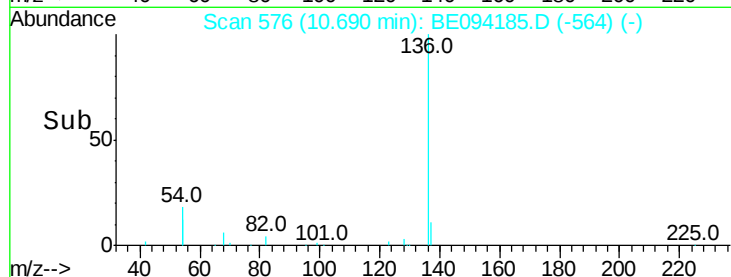
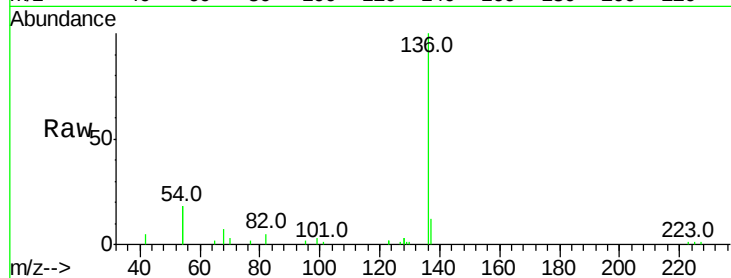
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 35.1 29.1 43.7

68 6.9 6.2 9.2

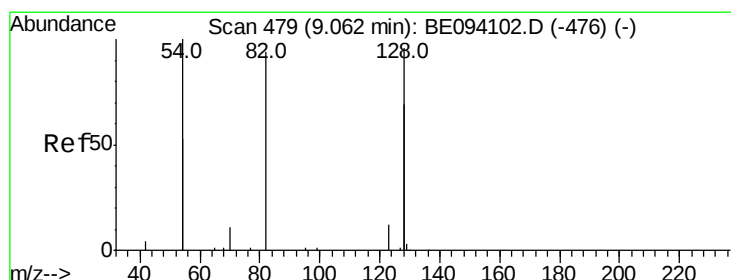
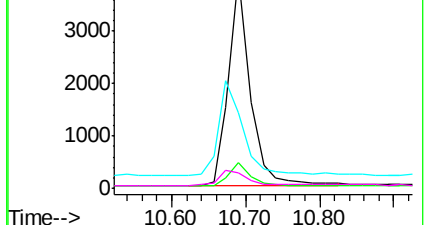


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.404 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

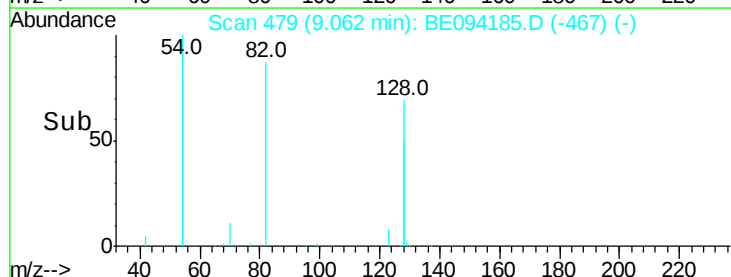
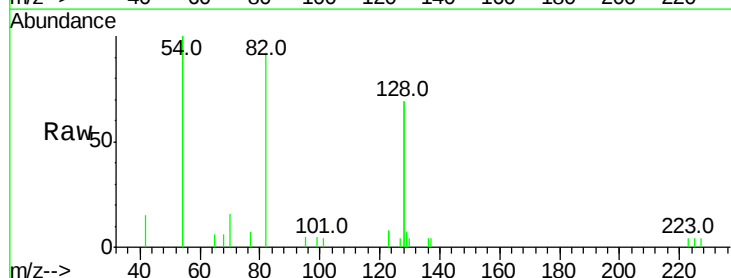
Tgt Ion: 82 Resp: 2734

Ion Ratio Lower Upper

82 100

128 149.0 150.0 225.0#

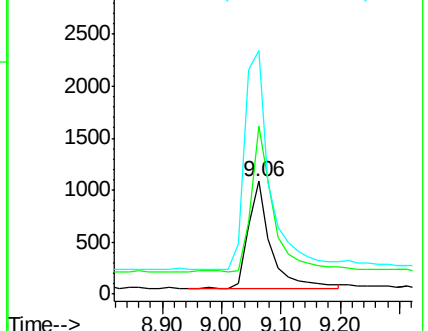
54 216.3 154.2 231.4



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





#9

Naphthalene

Concen: 0.066 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.00 min

Lab File: BE094185.D

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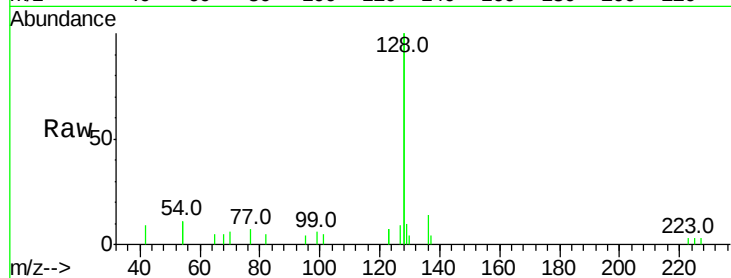
Tot Ion:128 Resp: 6057

Ion Ratio Lower Upper

128 100

129 5.1 2.6 3.8#

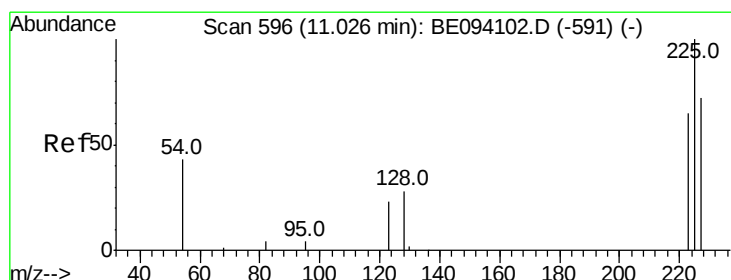
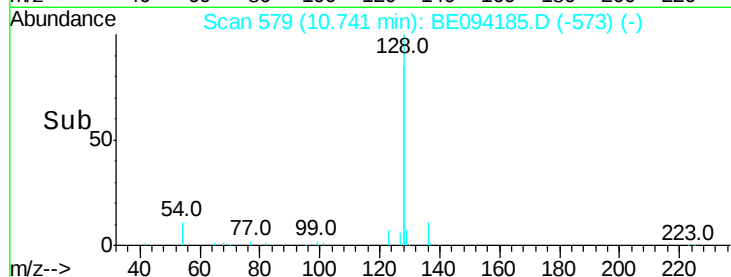
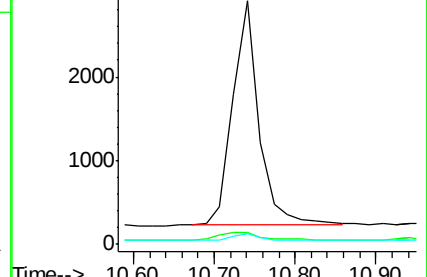
127 4.5 2.8 4.2#



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



#10

Hexachlorobutadiene

Concen: 0.001 ng

RT: 10.98 min Scan# 593

Delta R.T. -0.05 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

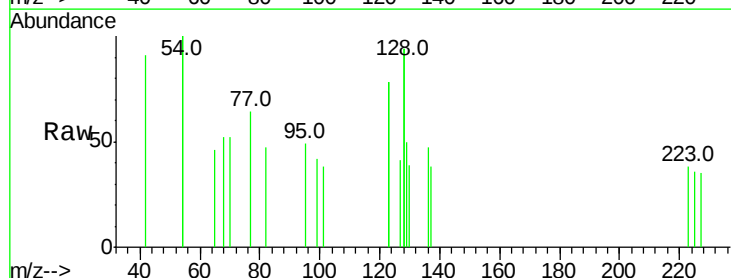
Tgt Ion:225 Resp: 4

Ion Ratio Lower Upper

225 100

223 50.0 53.0 79.6#

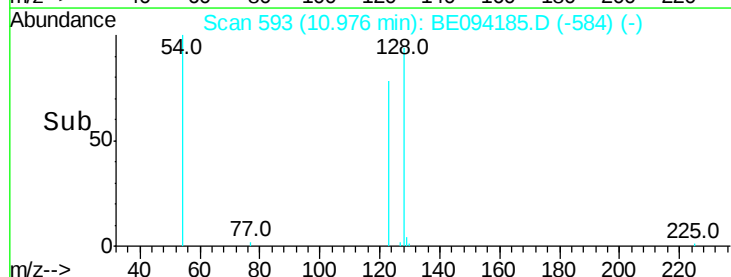
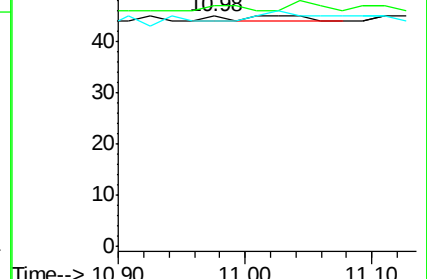
227 0.0 51.4 77.2#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.400 ng

RT: 12.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

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ClientSampleId :

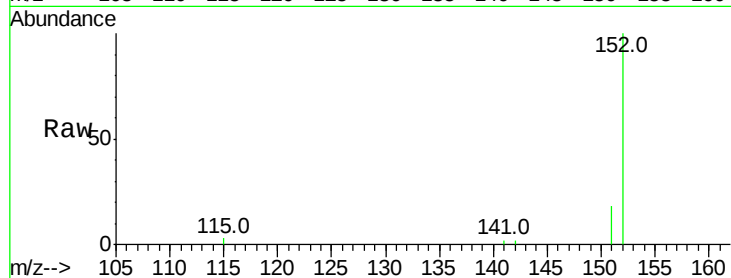
OUTFALL001-171003

Tot Ion:152 Resp: 5009

Ion Ratio Lower Upper

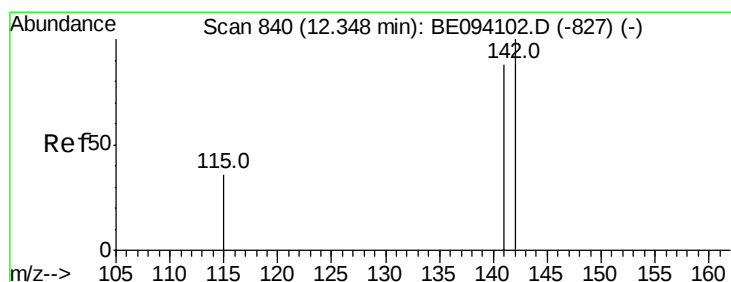
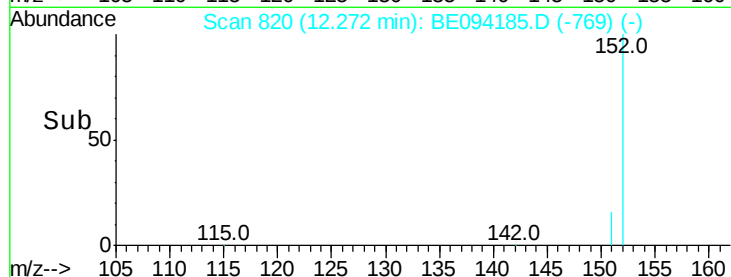
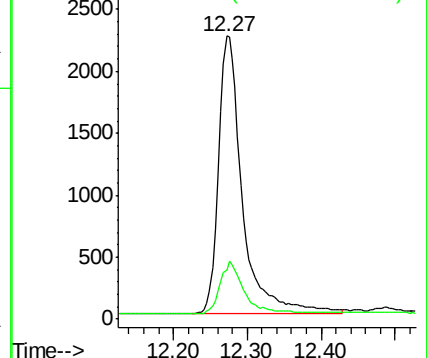
152 100

151 18.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.002 ng

RT: 12.36 min Scan# 842

Delta R.T. 0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

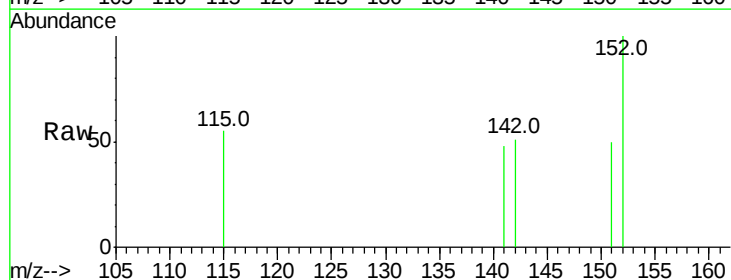
Tgt Ion:142 Resp: 26

Ion Ratio Lower Upper

142 100

141 93.8 70.4 105.6

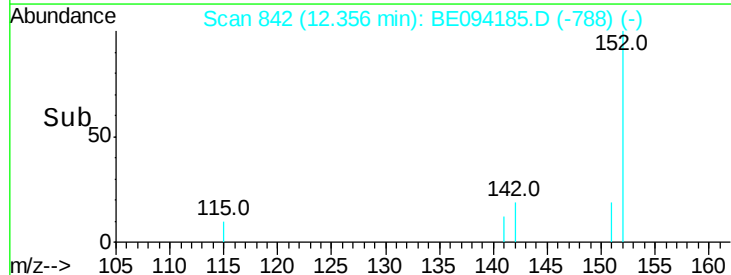
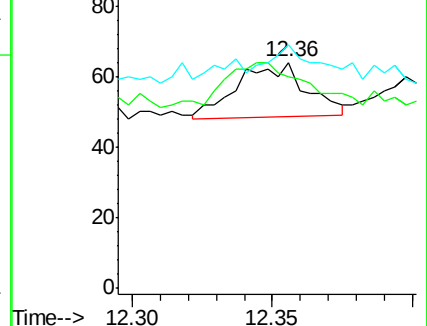
115 107.8 31.7 47.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

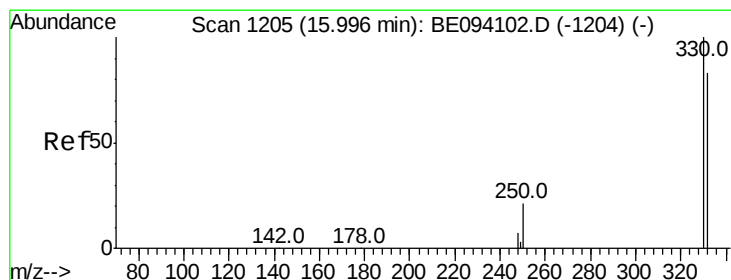
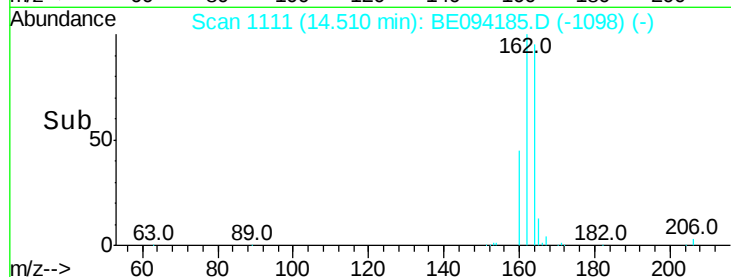
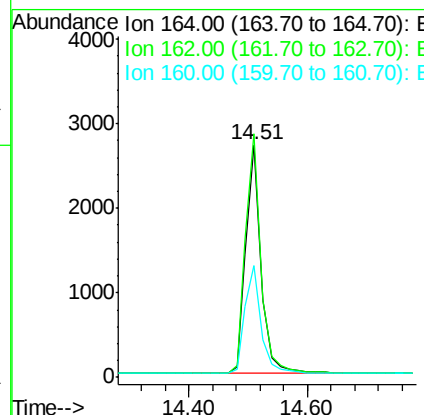
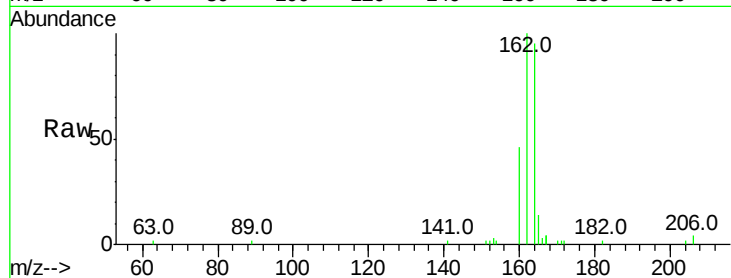




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094185.D
Acq: 6 Oct 2017 18:47

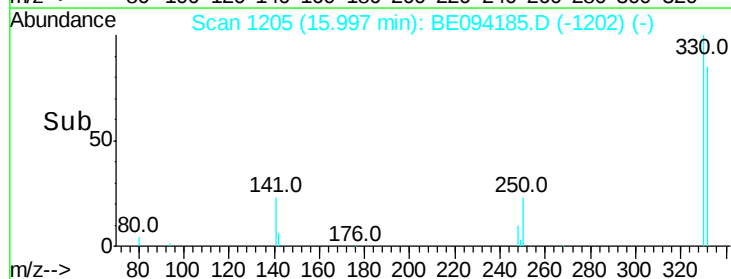
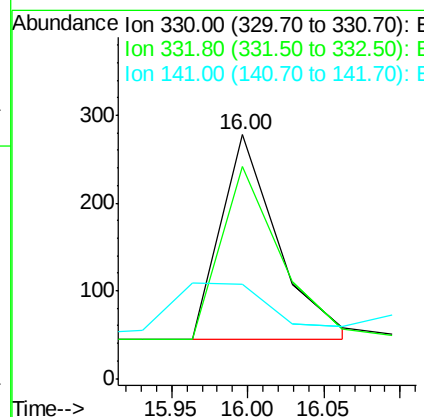
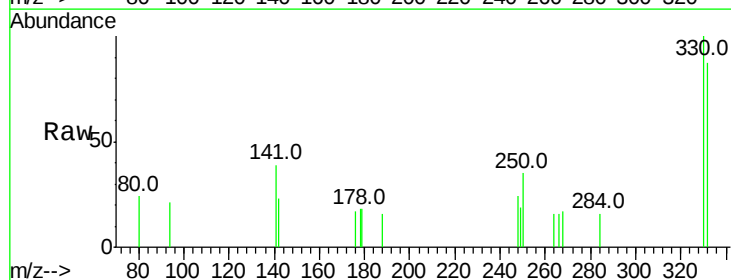
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-171003

Tot Ion:164 Resp: 4871
Ion Ratio Lower Upper
164 100
162 104.7 83.1 124.7
160 47.9 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.286 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094185.D
Acq: 6 Oct 2017 18:47

Tgt Ion:330 Resp: 606
Ion Ratio Lower Upper
330 100
332 89.1 152.7 229.1#
141 0.0 33.7 50.5#

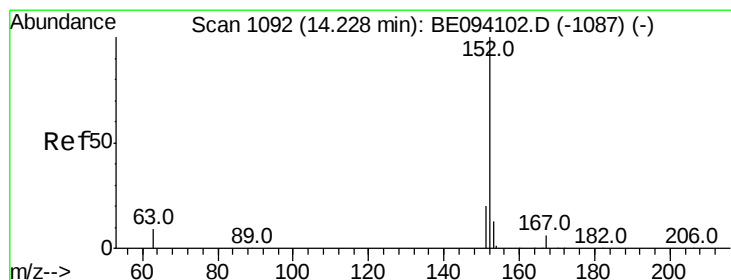
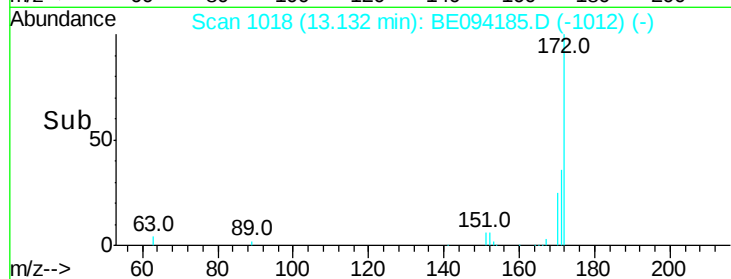
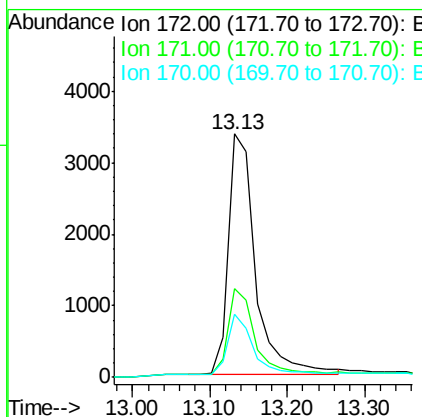
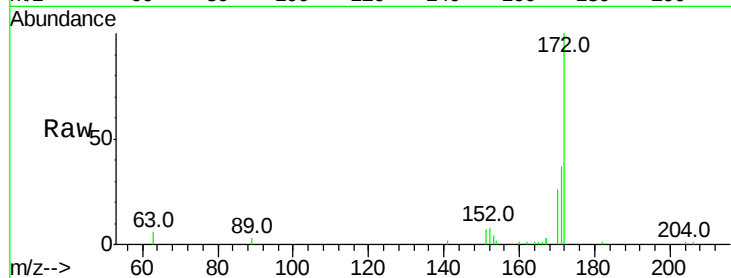




#15
2-Fluorobiphenyl
Concen: 0.489 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094185.D
Acq: 6 Oct 2017 18:47

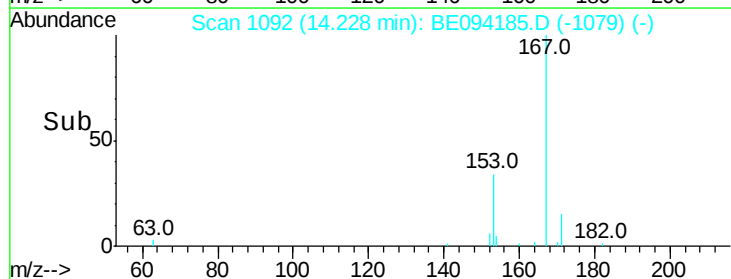
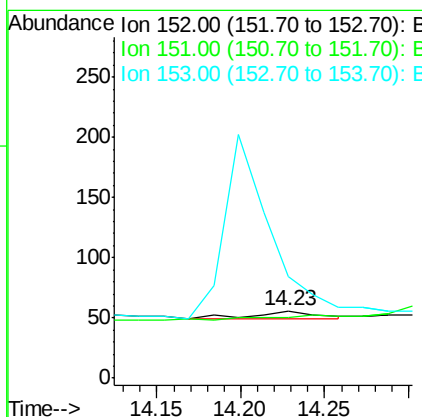
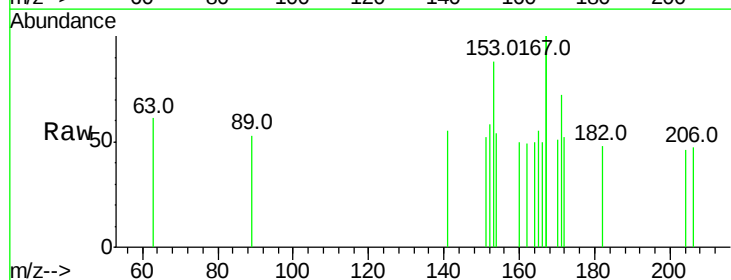
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-171003

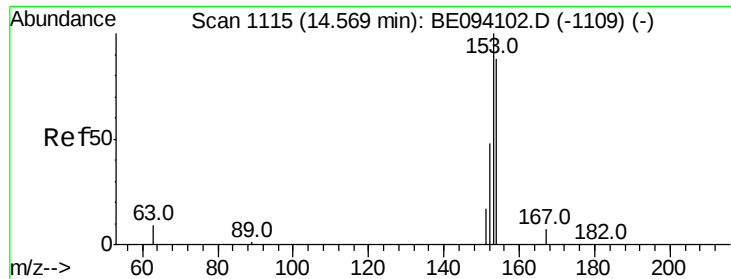
Tot Ion:172 Resp: 8154
Ion Ratio Lower Upper
172 100
171 36.6 29.9 44.9
170 25.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.001 ng
RT: 14.23 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094185.D
Acq: 6 Oct 2017 18:47

Tgt Ion:152 Resp: 17
Ion Ratio Lower Upper
152 100
151 0.0 15.7 23.5#
153 0.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.003 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

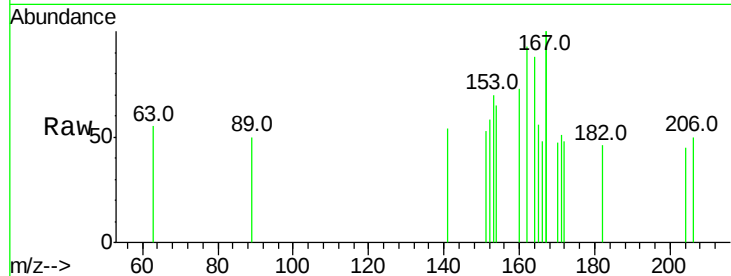
Tot Ion:154 Resp: 45

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

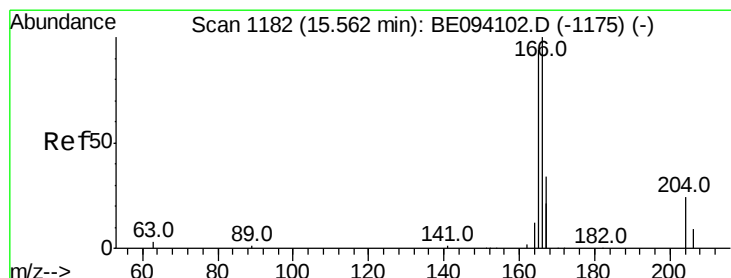
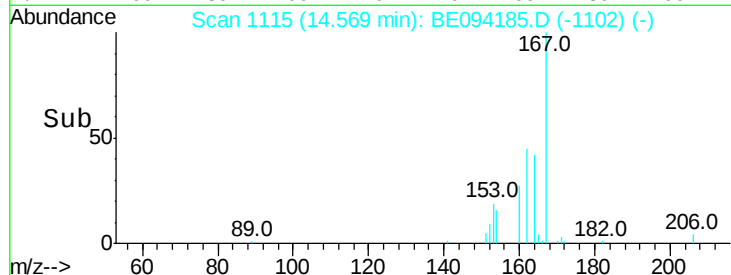
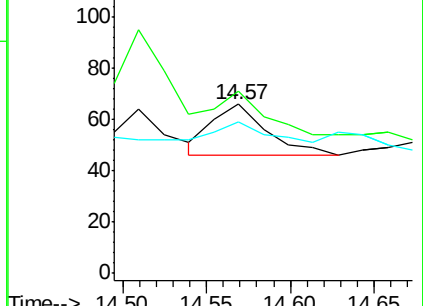
152 44.4 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.002 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

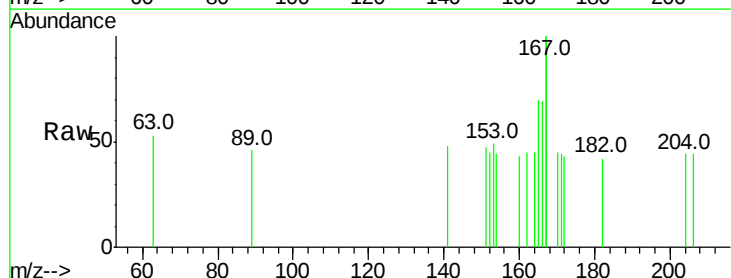
Tgt Ion:166 Resp: 52

Ion Ratio Lower Upper

166 100

165 94.2 77.8 116.6

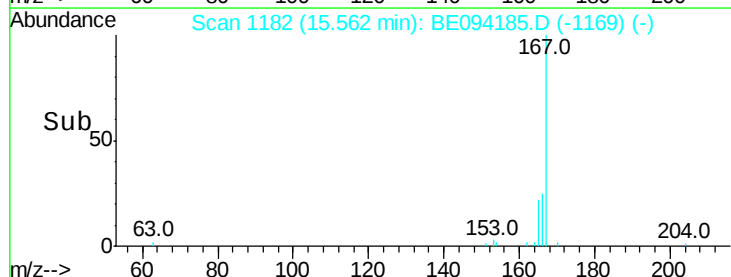
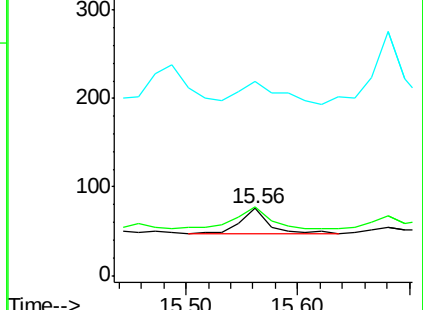
167 115.4 42.4 63.6#

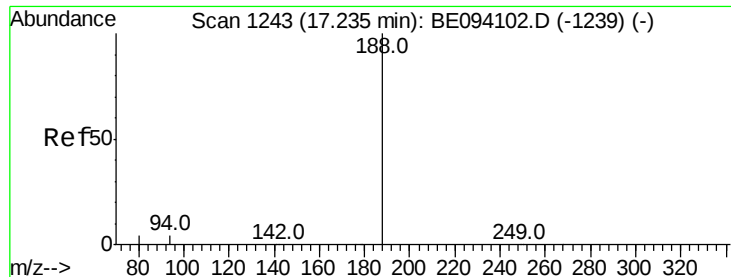


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

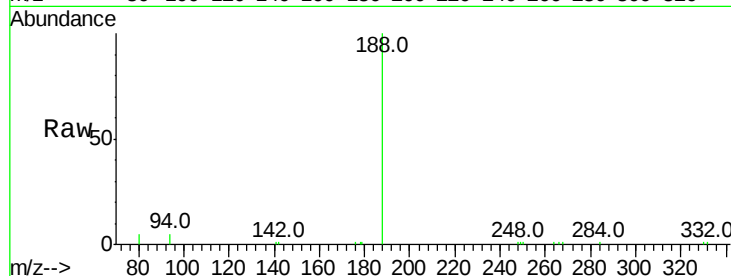
Tot Ion:188 Resp: 15039

Ion Ratio Lower Upper

188 100

94 5.1 3.9 5.9

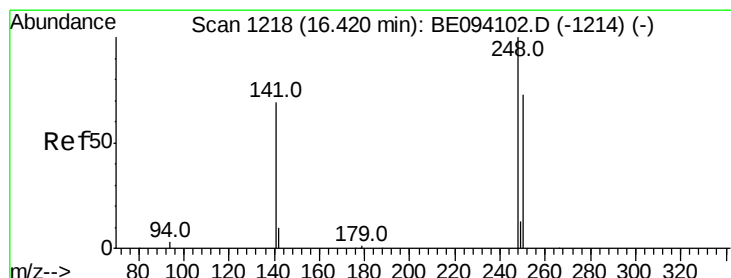
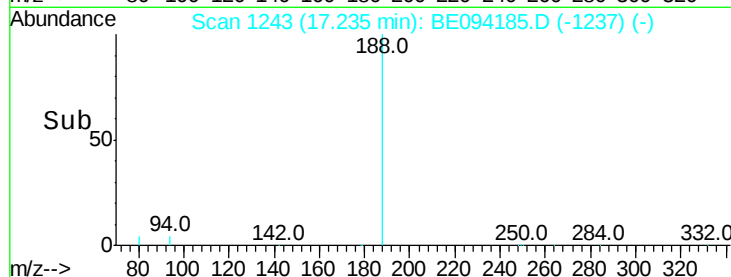
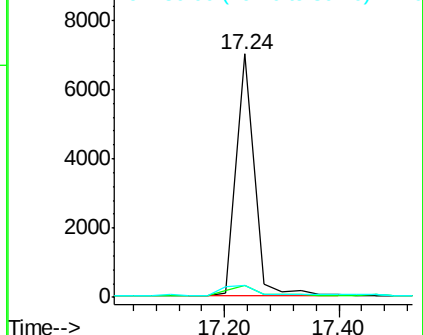
80 5.1 3.6 5.4



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



#20

4-Bromophenyl-phenylether

Concen: 0.001 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

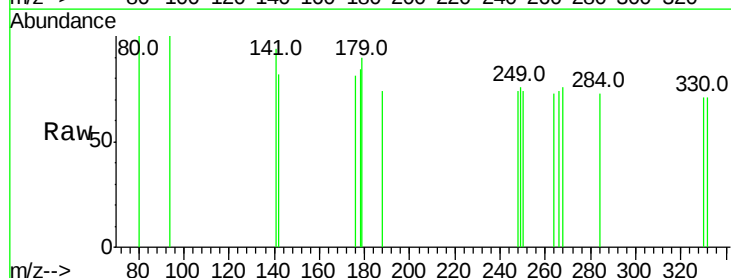
Tgt Ion:248 Resp: 8

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

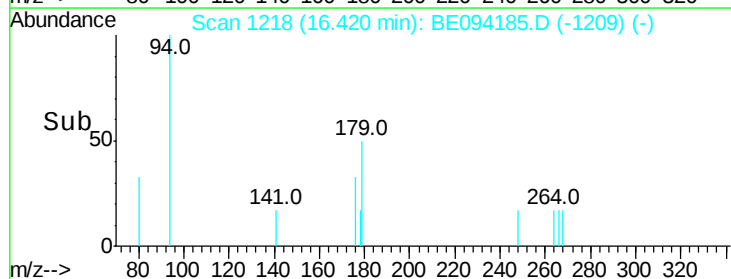
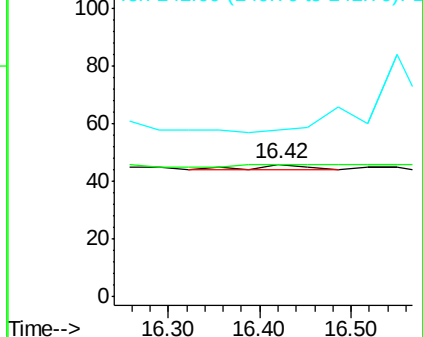
141 126.1 48.2 72.2#

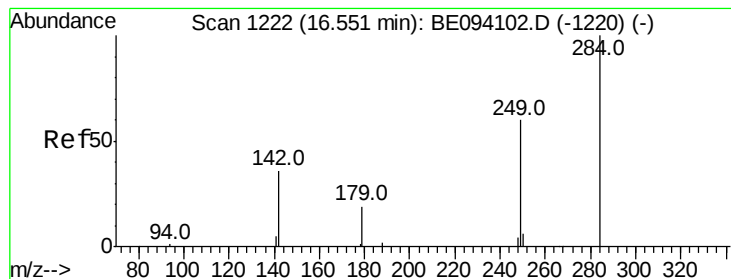


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

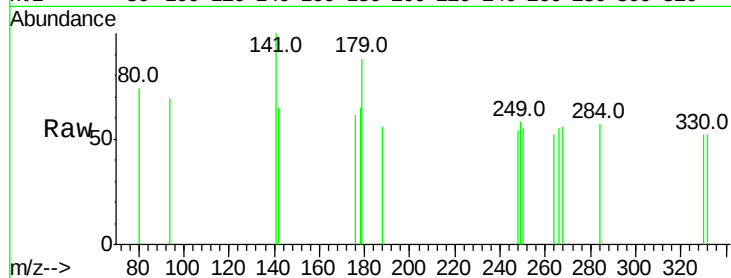
Tot Ion:284 Resp: 8

Ion Ratio Lower Upper

284 100

142 225.0 22.1 33.1#

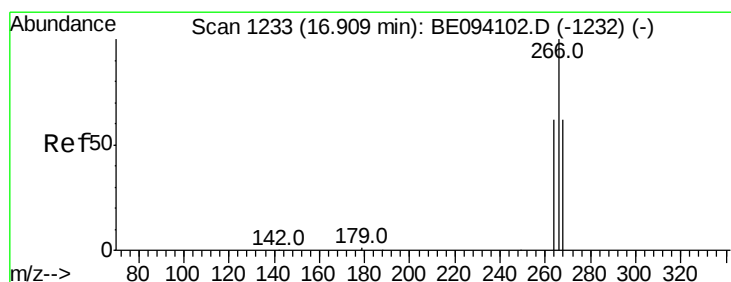
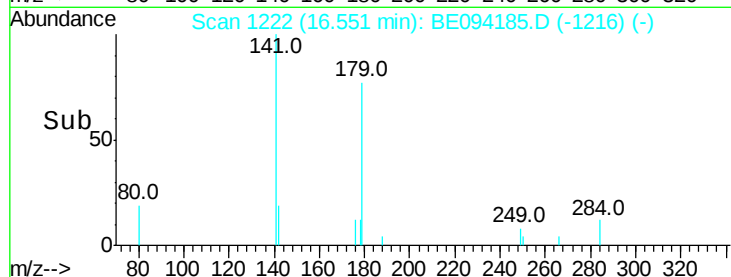
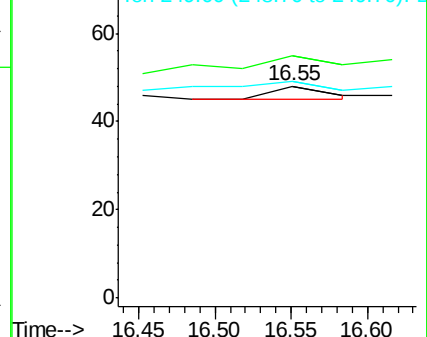
249 0.0 34.8 52.2#



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



#22

Pentachlorophenol

Concen: 0.008 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.03 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

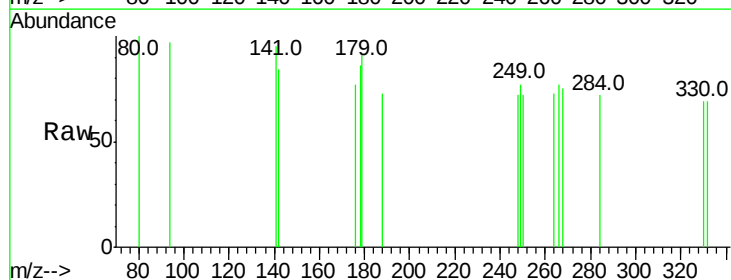
Tgt Ion:266 Resp: 16

Ion Ratio Lower Upper

266 100

264 95.9 72.5 108.7

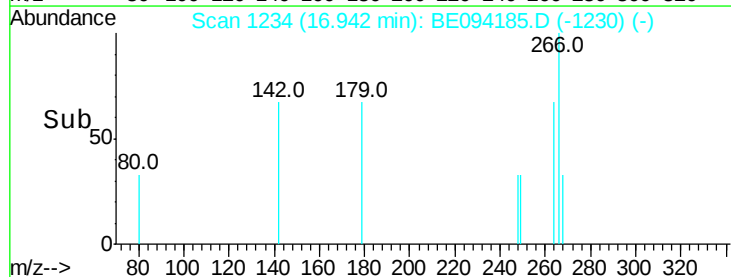
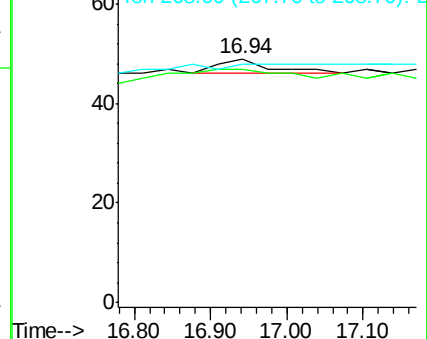
268 98.0 73.8 110.6



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.003 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

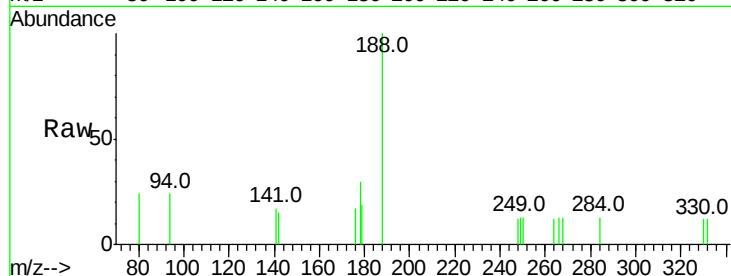
Tot Ion:178 Resp: 151

Ion Ratio Lower Upper

178 100

176 15.2 15.1 22.7

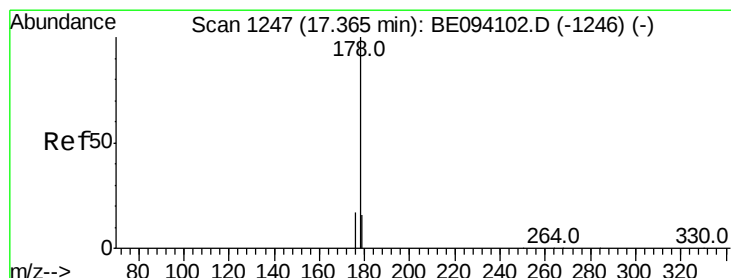
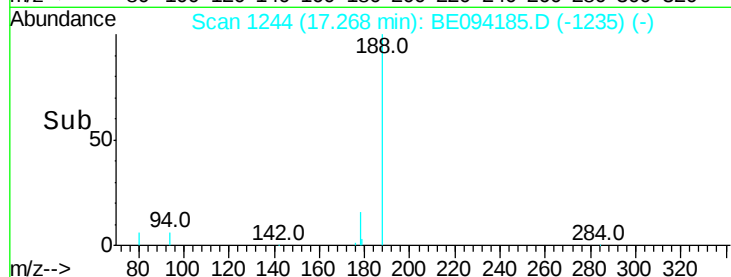
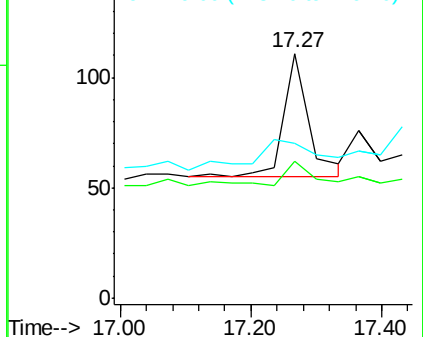
179 0.0 11.8 17.6#



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



#24

Anthracene

Concen: 0.002 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

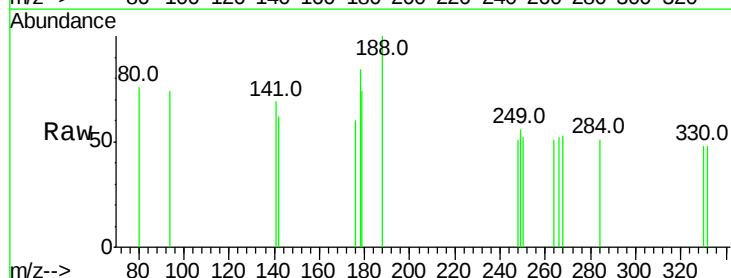
Tgt Ion:178 Resp: 68

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

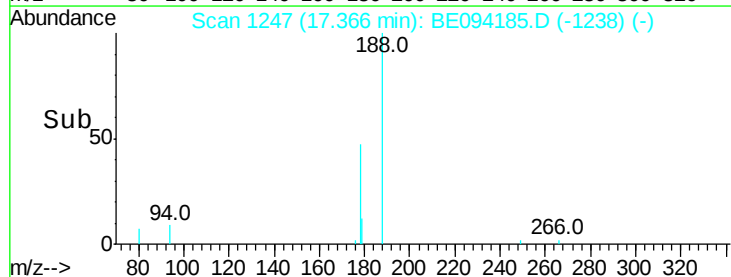
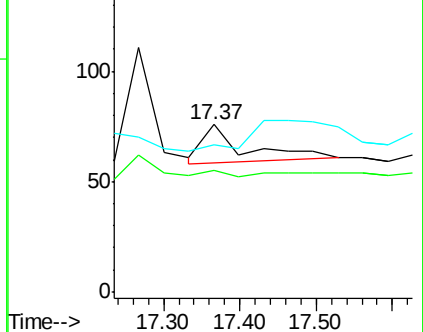
179 0.0 13.0 19.6#

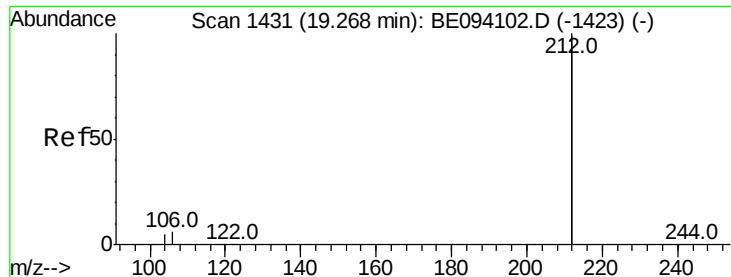


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.390 ng

RT: 19.26 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

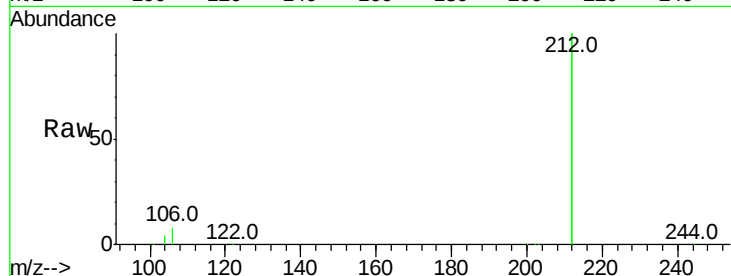
Tot Ion:212 Resp: 58549

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

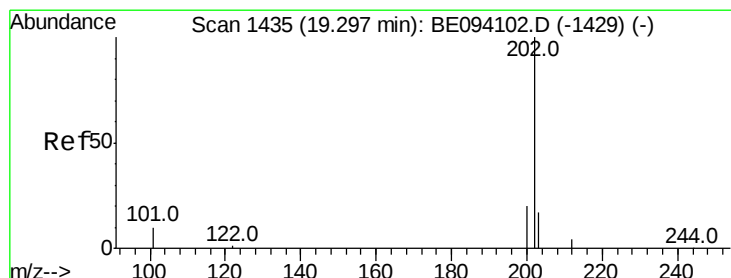
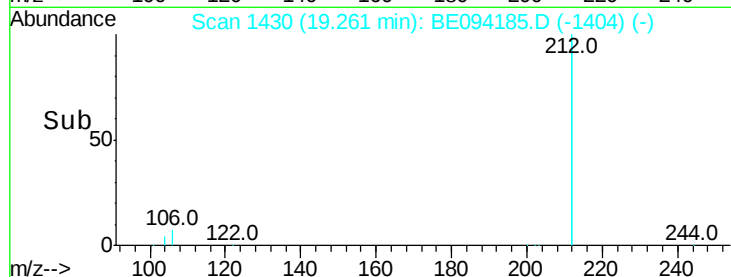
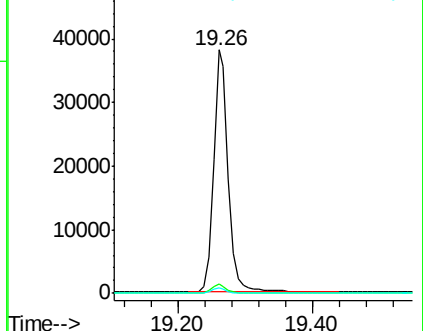
104 2.0 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.003 ng

RT: 19.29 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

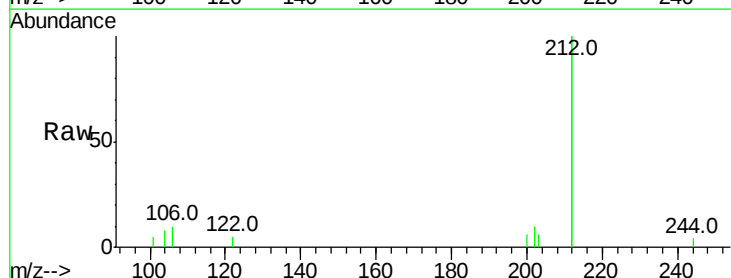
Tgt Ion:202 Resp: 133

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

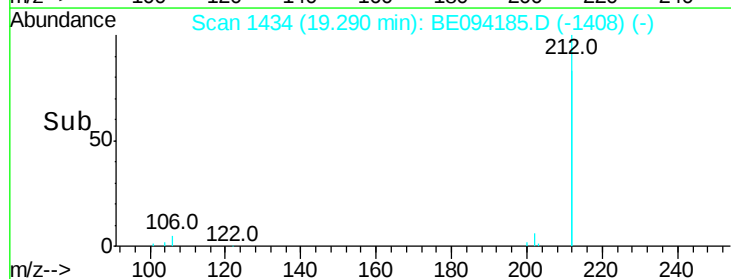
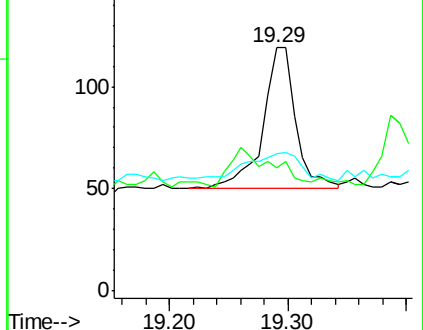
203 33.1 13.7 20.5#



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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

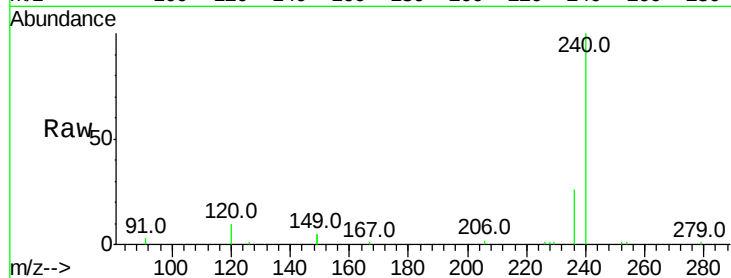
Tot Ion:240 Resp: 12354

Ion Ratio Lower Upper

240 100

120 9.5 5.5 8.3#

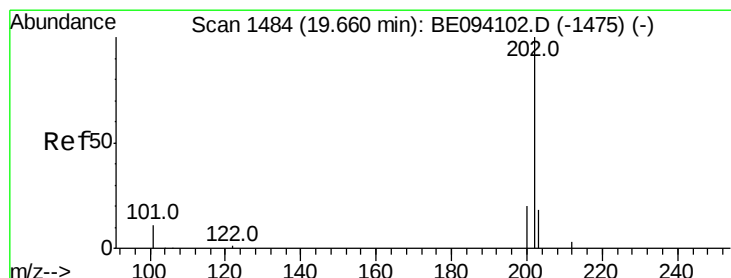
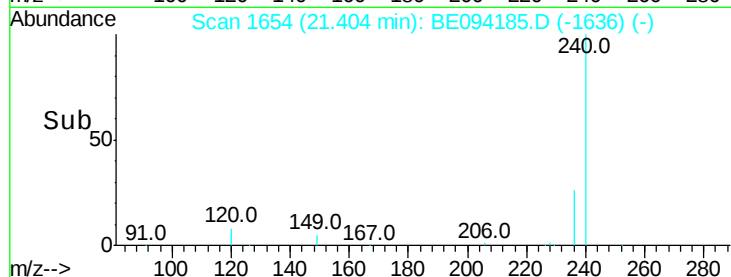
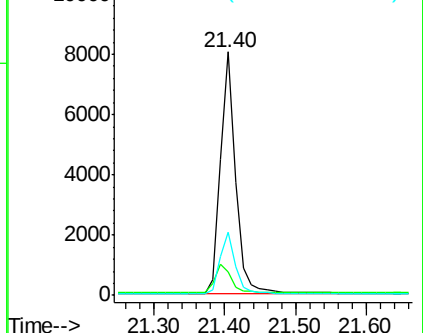
236 26.2 20.7 31.1



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



#28

Pyrene

Concen: 0.003 ng

RT: 19.65 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

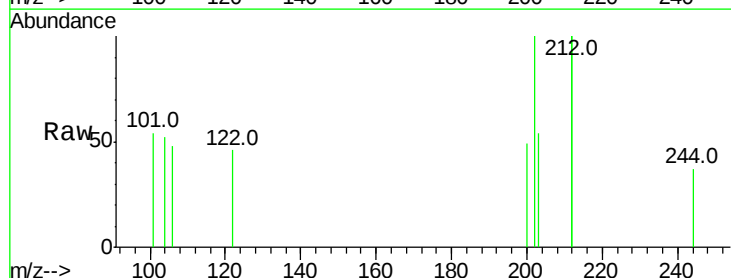
Tgt Ion:202 Resp: 120

Ion Ratio Lower Upper

202 100

200 23.3 16.6 25.0

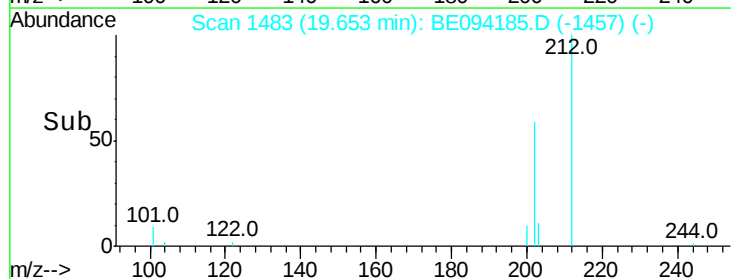
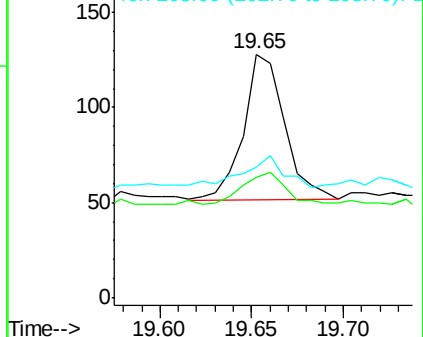
203 23.3 13.8 20.8#

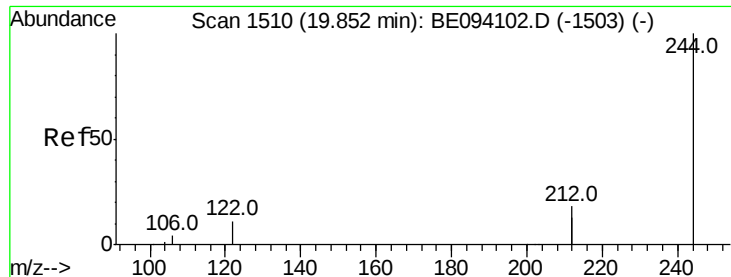


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.540 ng

RT: 19.84 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

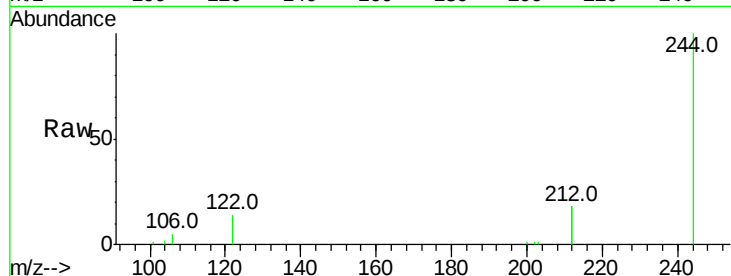
Tot Ion:244 Resp: 12590

Ion Ratio Lower Upper

244 100

212 35.2 25.4 38.0

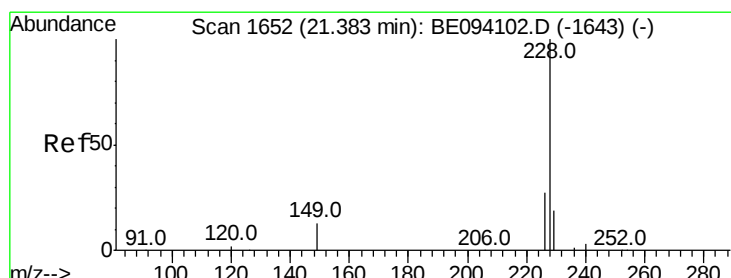
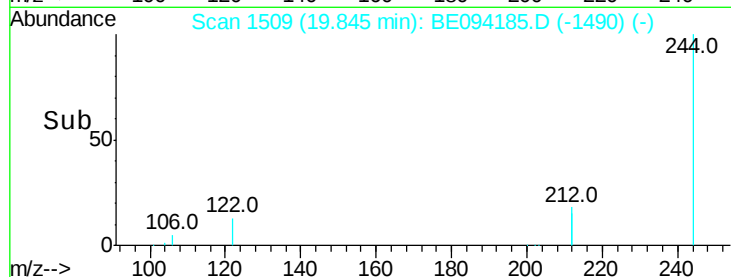
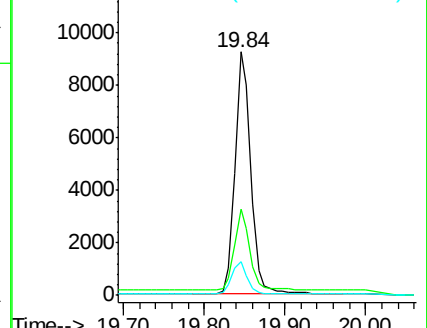
122 13.8 8.1 12.1#



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



#30

Benzo(a)anthracene

Concen: 0.003 ng

RT: 21.39 min Scan# 1653

Delta R.T. 0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

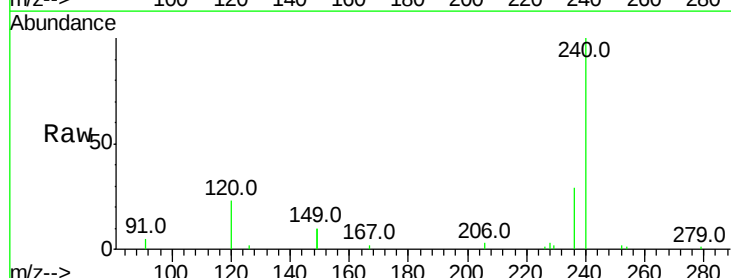
Tgt Ion:228 Resp: 131

Ion Ratio Lower Upper

228 100

226 55.5 21.4 32.0#

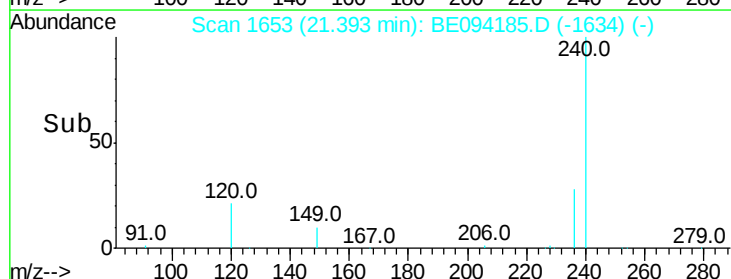
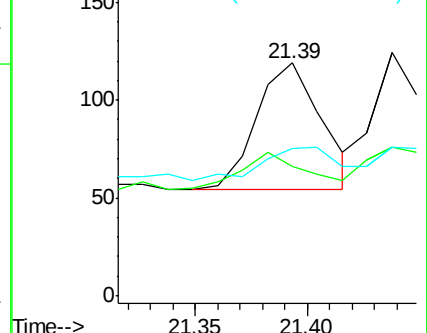
229 63.0 16.4 24.6#

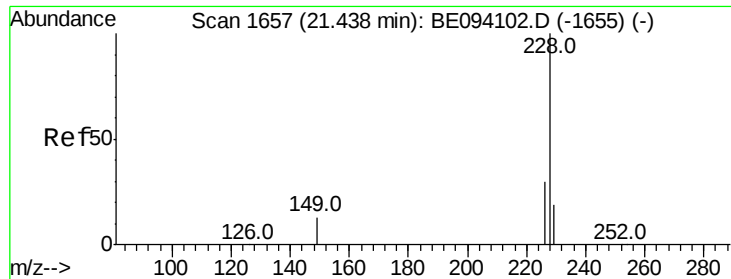


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.003 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

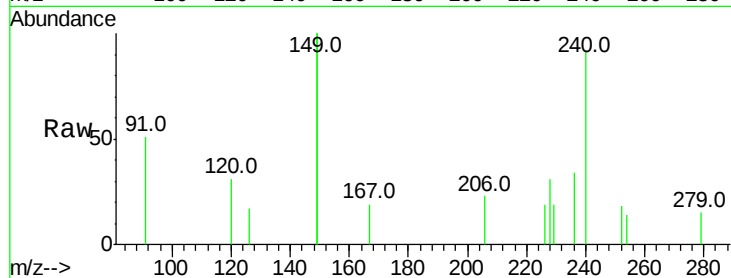
Tot Ion:228 Resp: 124

Ion Ratio Lower Upper

228 100

226 61.3 23.6 35.4#

229 61.3 16.4 24.6#



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

21.44

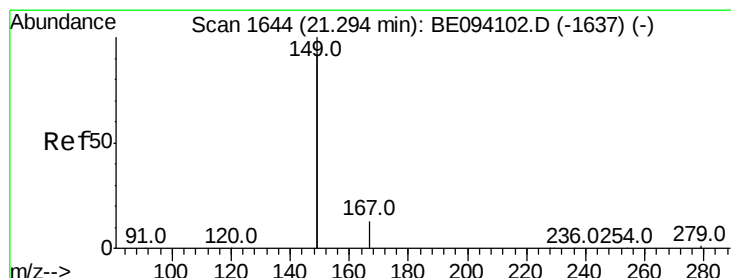
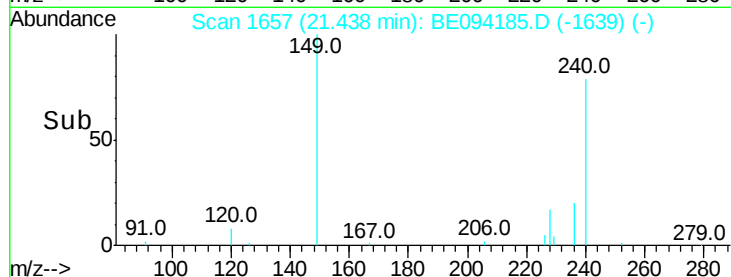
100

50

0

21.40 21.45 21.50

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.072 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

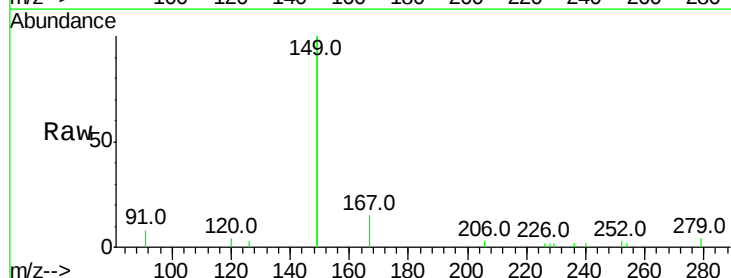
Tgt Ion:149 Resp: 6702

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

279 1.0 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.29

6000

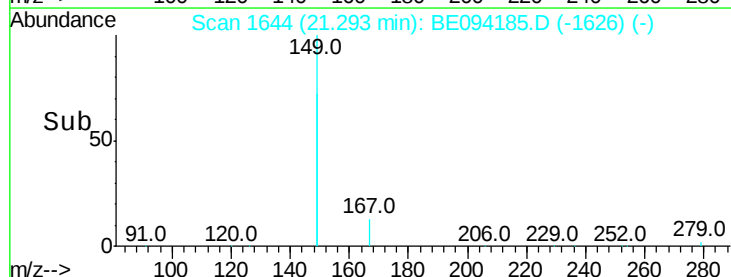
4000

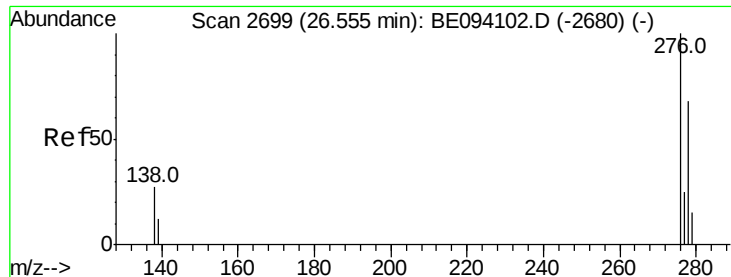
2000

0

21.20 21.30

Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.003 ng

RT: 26.57 min Scan# 2702

Delta R.T. 0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

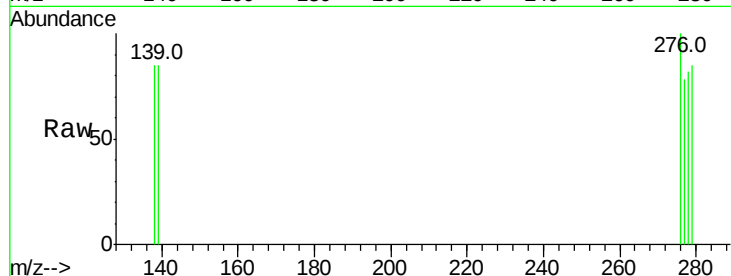
Tot Ion:276 Resp: 134

Ion Ratio Lower Upper

276 100

138 3.7 22.5 33.7#

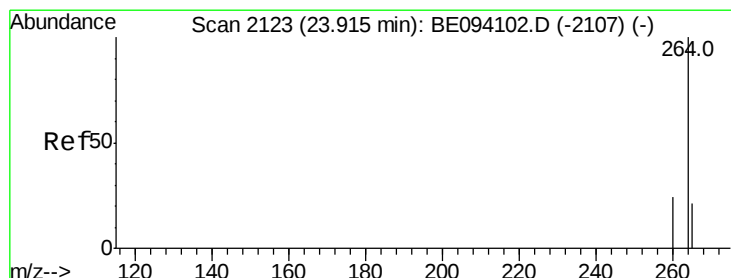
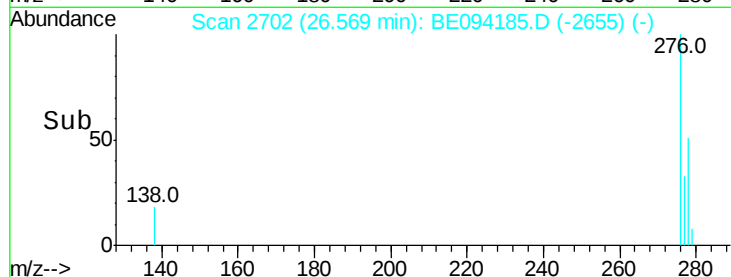
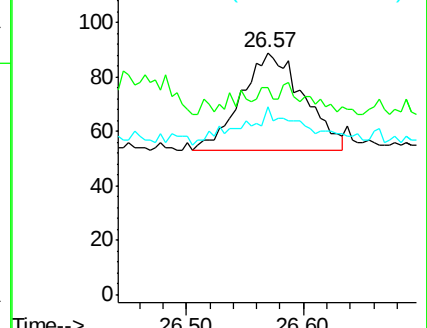
277 10.4 19.9 29.9#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

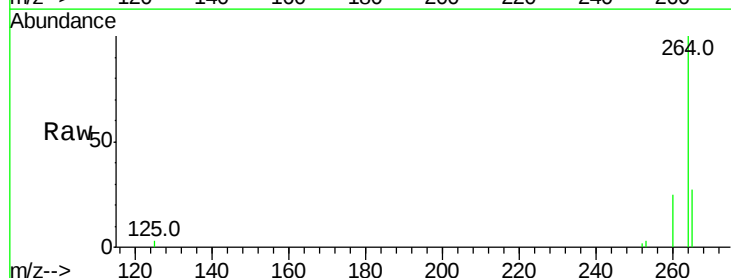
Tgt Ion:264 Resp: 11529

Ion Ratio Lower Upper

264 100

260 24.7 20.5 30.7

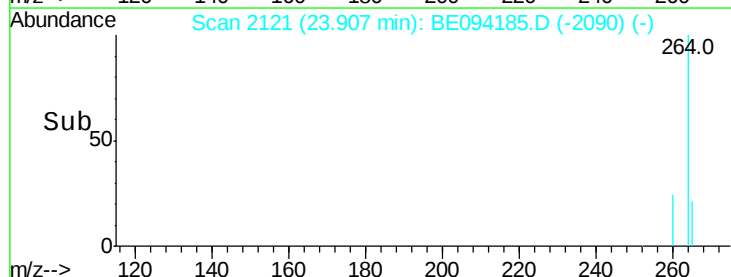
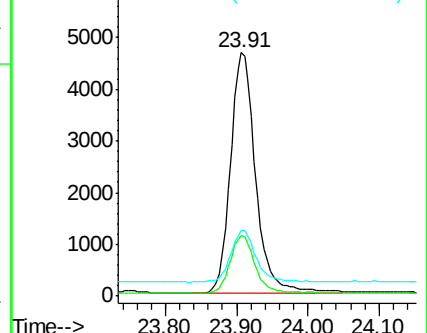
265 26.9 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.006 ng

RT: 23.15 min Scan# 1954

Delta R.T. 0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

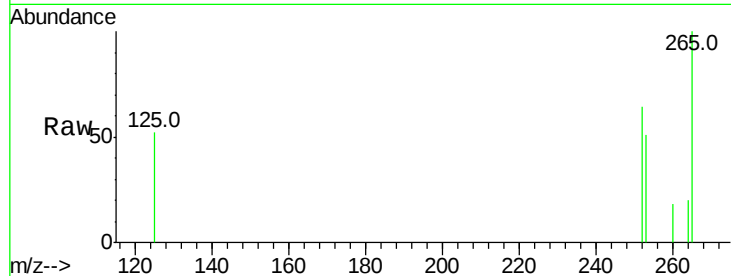
Tot Ion:252 Resp: 231

Ion Ratio Lower Upper

252 100

253 79.2 18.2 27.2#

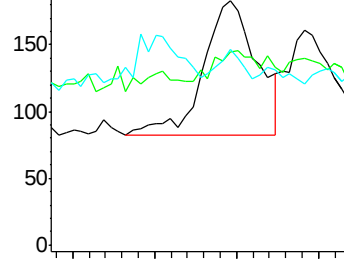
125 80.3 10.1 15.1#



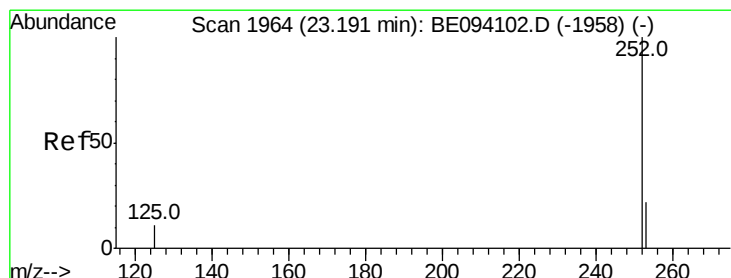
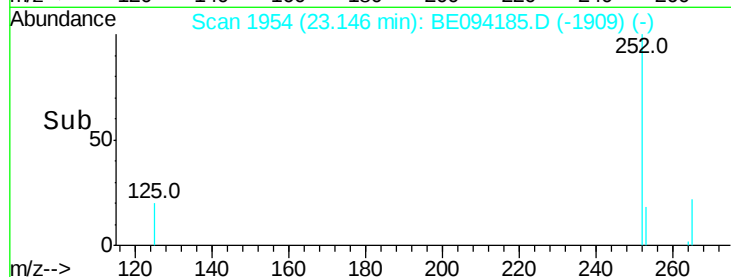
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.05 23.10 23.15 23.20



#36

Benzo(k)fluoranthene

Concen: 0.002 ng

RT: 23.19 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

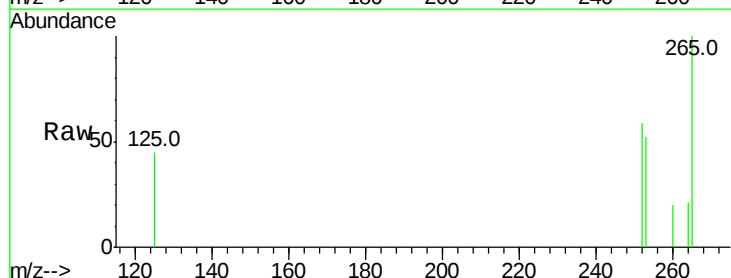
Tgt Ion:252 Resp: 98

Ion Ratio Lower Upper

252 100

253 87.0 18.6 27.8#

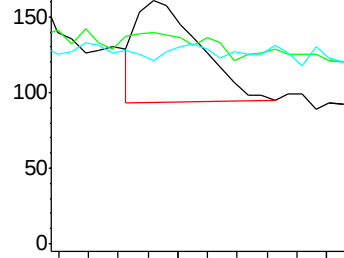
125 75.2 10.7 16.1#



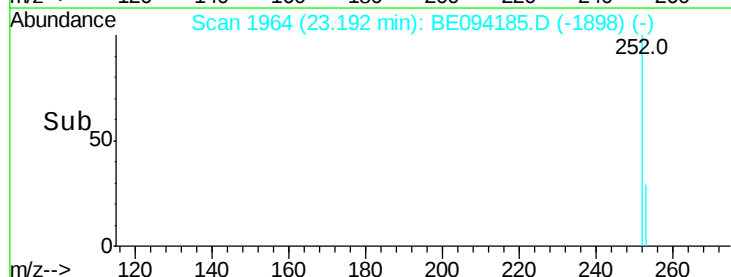
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.20





#37

Benzo(a)pyrene

Concen: 0.002 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003

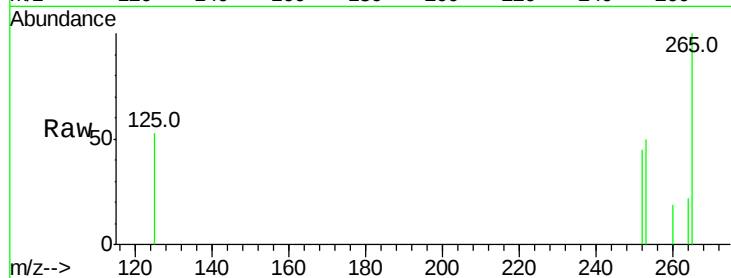
Tot Ion:252 Resp: 67

Ion Ratio Lower Upper

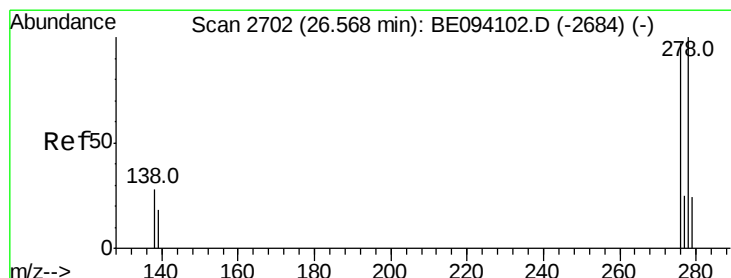
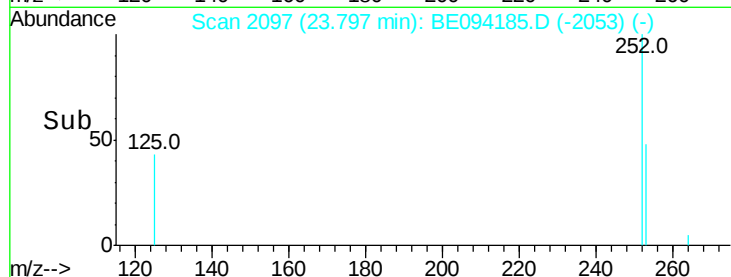
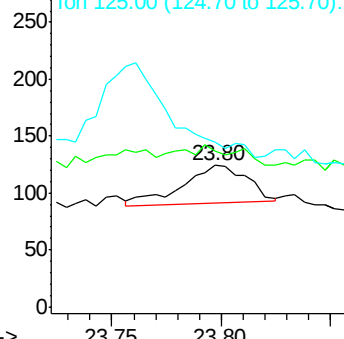
252 100

253 110.5 19.0 28.6#

125 116.9 11.8 17.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 26.58 min Scan# 2705

Delta R.T. 0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

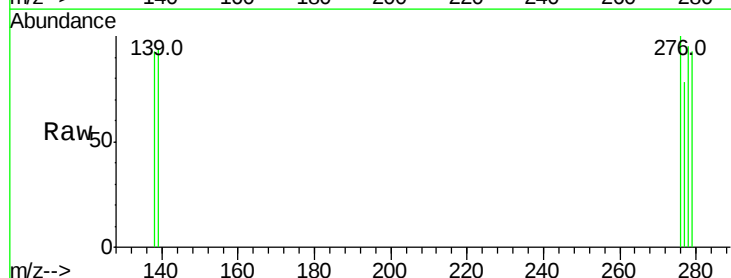
Tgt Ion:278 Resp: 120

Ion Ratio Lower Upper

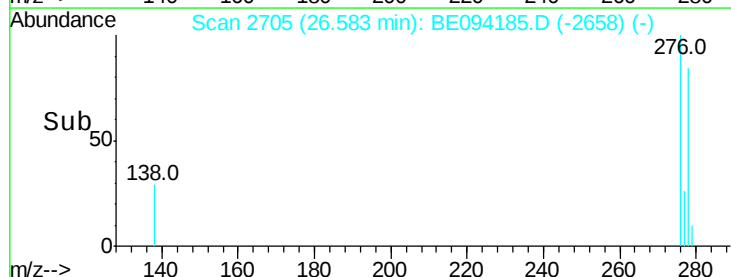
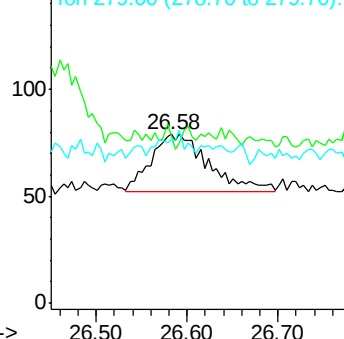
278 100

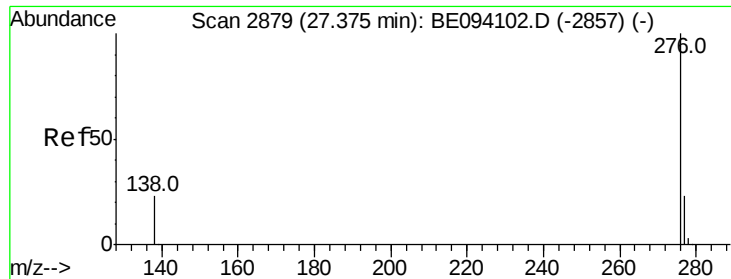
139 98.7 16.3 24.5#

279 97.5 19.9 29.9#



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





#39

Benzo(a,h,i)perylene

Concen: 0.004 ng

RT: 27.38 min Scan# 2881

Delta R.T. 0.01 min

Lab File: BE094185.D

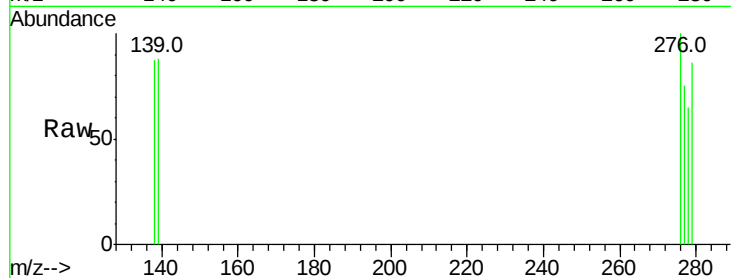
Acq: 6 Oct 2017 18:47

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-171003



Tot Ion:276 Resp: 125

Ion Ratio Lower Upper

276 100

277 75.0 20.8 31.2#

138 86.9 21.5 32.3#

