

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097542.D
 Acq On : 19 Sep 2018 16:19
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE091918

Quant Time: Sep 19 17:00:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 19 16:26:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	805	0.40	ng	-0.01
7) Naphthalene-d8	10.13	136	3782	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2098	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	6171	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9421	0.40	ng	0.00
34) Perylene-d12	23.21	264	9293	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	990	0.41	ng	0.00
5) Phenol-d6	6.60	99	1173	0.38	ng	0.00
8) Nitrobenzene-d5	8.52	82	1148	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	11.71	152	2125	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	326	0.41	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	3188	0.43	ng	-0.01
25) Fluoranthene-d10	18.80	212	31288	0.40	ng	0.00
29) Terphenyl-d14	19.42	244	7080	0.41	ng	0.00

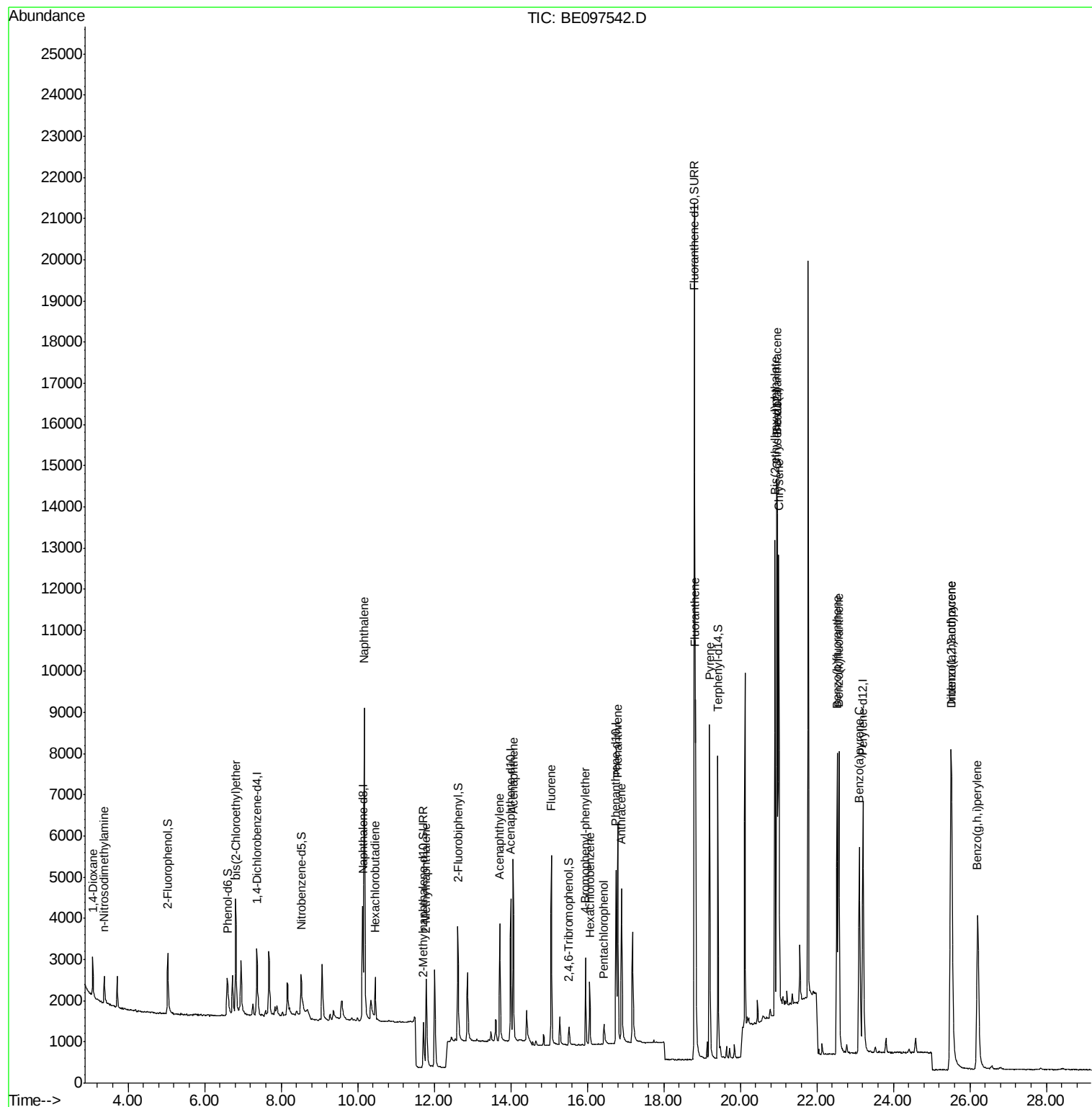
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.07	88	590	0.433	ng	# 84
3) n-Nitrosodimethylamine	3.37	42	489	0.417	ng	# 92
6) bis(2-Chloroethyl)ether	6.83	93	1173	0.410	ng	84
9) Naphthalene	10.17	128	14233	0.418	ng	99
10) Hexachlorobutadiene	10.46	225	648	0.413	ng	97
12) 2-Methylnaphthalene	11.79	142	2165	0.407	ng	99
16) Acenaphthylene	13.72	152	3311	0.399	ng	98
17) Acenaphthene	14.06	154	2352	0.423	ng	98
18) Fluorene	15.06	166	2958	0.408	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	1105	0.397	ng	# 86
21) Hexachlorobenzene	16.07	284	1249	0.408	ng	# 85
22) Pentachlorophenol	16.44	266	381	0.408	ng	# 76
23) Phenanthrene	16.80	178	5912	0.404	ng	98
24) Anthracene	16.89	178	4960	0.383	ng	95
26) Fluoranthene	18.83	202	8155	0.401	ng	98
28) Pyrene	19.20	202	9002	0.420	ng	100
30) Benzo(a)anthracene	20.96	228	9135	0.385	ng	96
31) Chrysene	21.00	228	10406	0.409	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	13606	0.352	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.50	276	12262	0.400	ng	# 92
35) Benzo(b)fluoranthene	22.53	252	9294	0.390	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	11204	0.412	ng	94
37) Benzo(a)pyrene	23.11	252	9432	0.408	ng	92
38) Dibenzo(a,h)anthracene	25.52	278	10365	0.415	ng	# 95
39) Benzo(g,h,i)perylene	26.20	276	10027	0.413	ng	# 88

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

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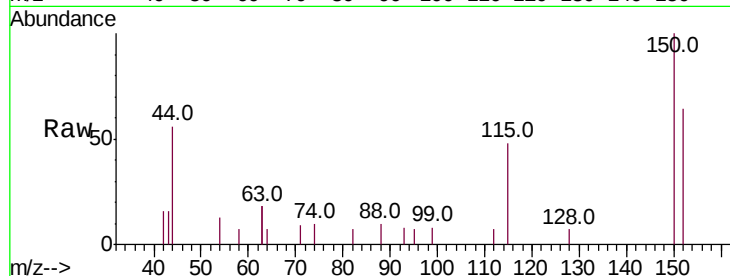


#1

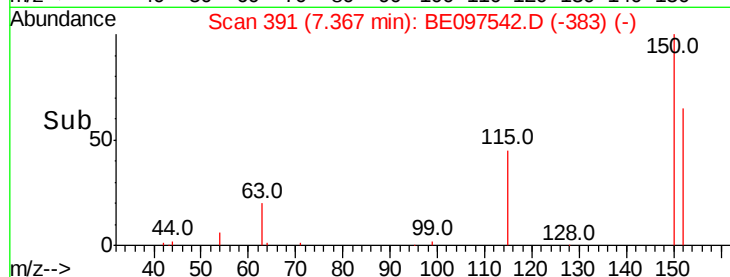
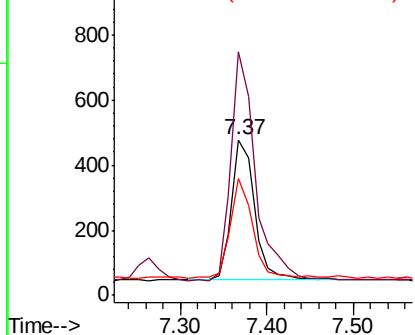
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097542.D
Acq: 19 Sep 2018 16:19

Instrument :
BNA_E
ClientSampleId :
ICVBE091918

Tot Ion:152 Resp: 805
Ion Ratio Lower Upper
152 100
150 156.2 117.2 175.8
115 75.2 57.0 85.6



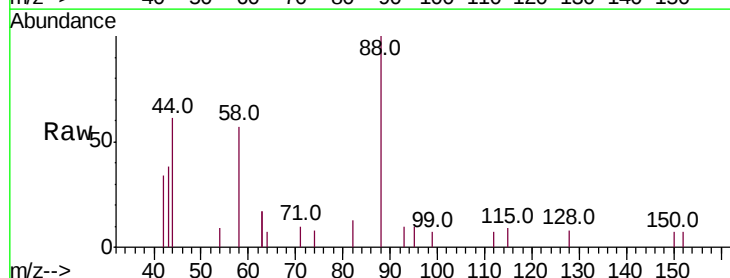
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



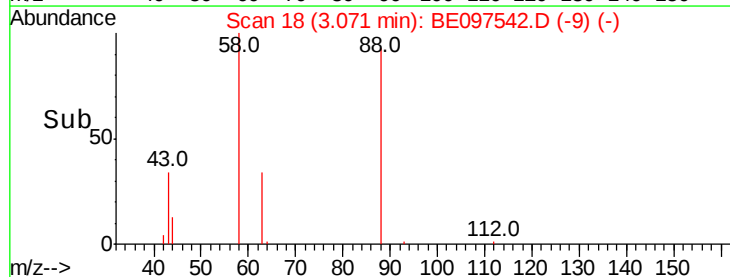
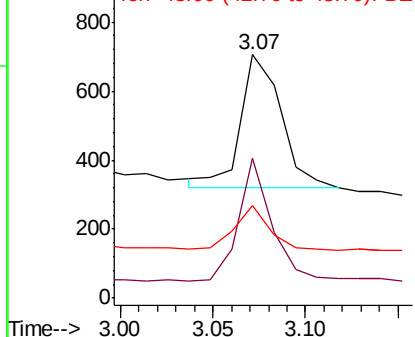
#2

1,4-Dioxane
Concen: 0.433 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.00 min
Lab File: BE097542.D
Acq: 19 Sep 2018 16:19

Tgt Ion: 88 Resp: 590
Ion Ratio Lower Upper
88 100
58 74.1 63.2 94.8
43 29.0 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



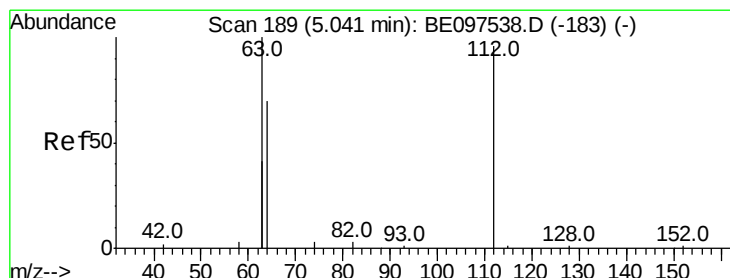
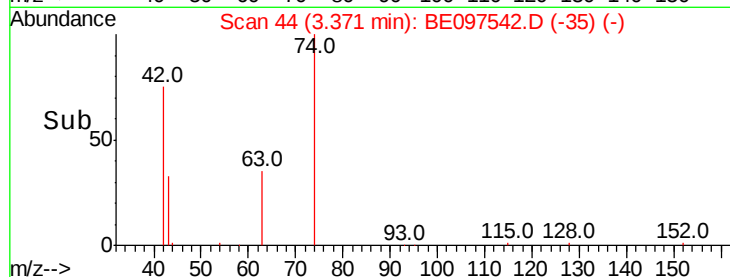
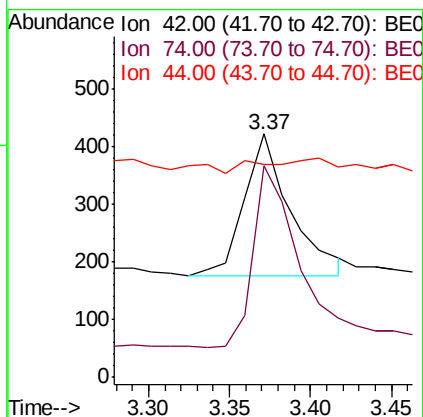
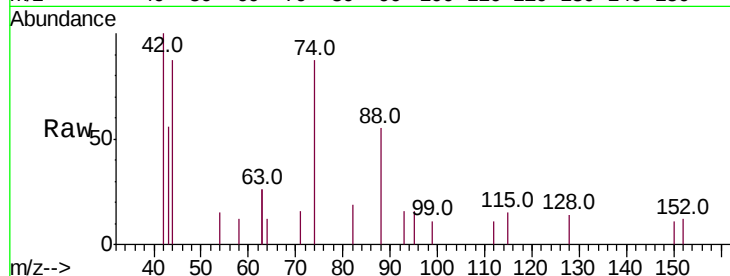


#3

n-Nitrosodimethylamine
 Concen: 0.417 ng
 RT: 3.37 min Scan# 44
 Delta R.T. -0.00 min
 Lab File: BE097542.D
 Acq: 19 Sep 2018 16:19

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE091918

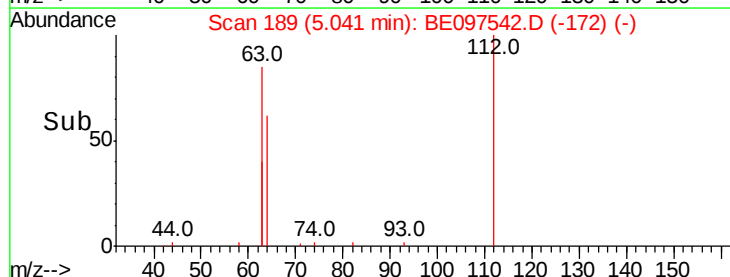
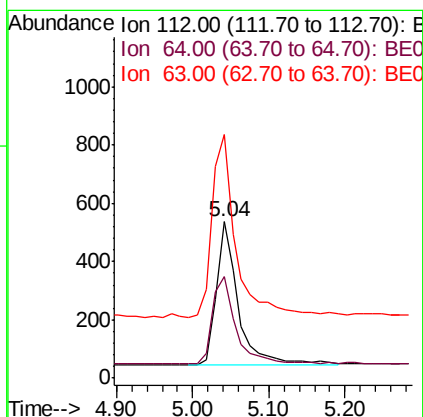
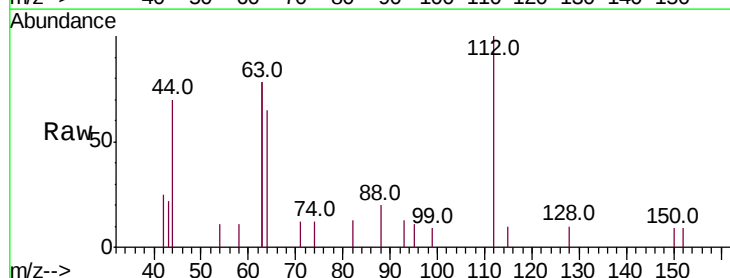
Tot Ion: 42 Resp: 489
 Ion Ratio Lower Upper
 42 100
 74 124.7 96.0 144.0
 44 0.0 12.0 18.0#



#4

2-Fluorophenol
 Concen: 0.410 ng
 RT: 5.04 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: BE097542.D
 Acq: 19 Sep 2018 16:19

Tgt Ion: 112 Resp: 990
 Ion Ratio Lower Upper
 112 100
 64 64.8 60.1 90.1
 63 138.4 116.8 175.2





#5

Phenol-d6

Concen: 0.380 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

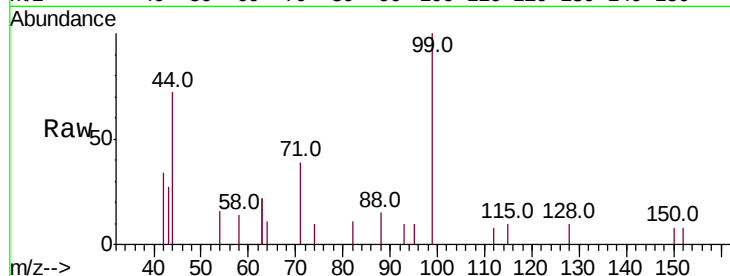
Tot Ion: 99 Resp: 1173

Ion Ratio Lower Upper

99 100

42 21.4 20.2 30.2

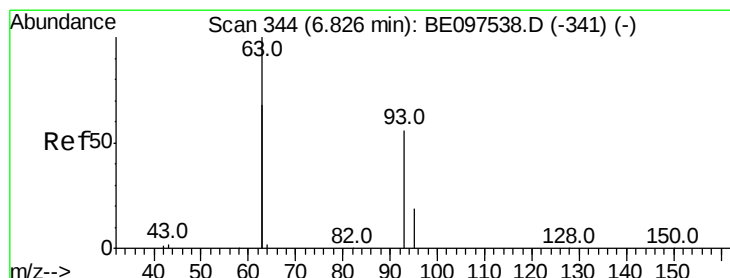
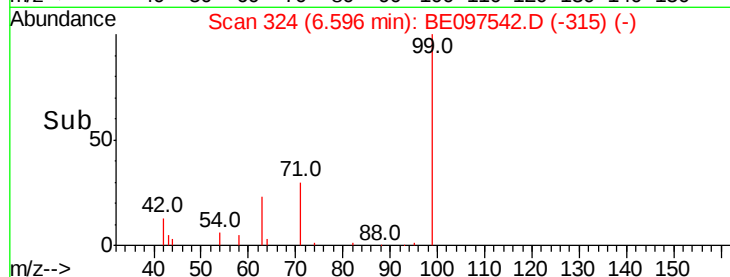
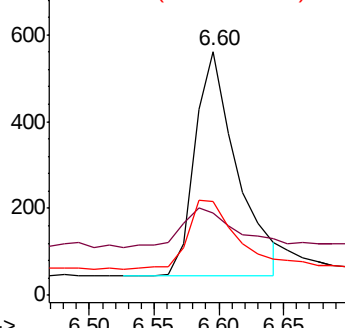
71 35.0 28.4 42.6



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: 0.410 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

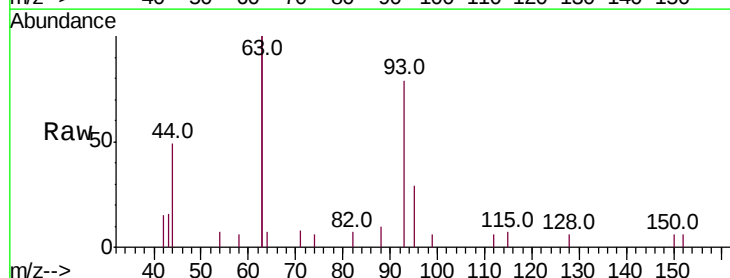
Tgt Ion: 93 Resp: 1173

Ion Ratio Lower Upper

93 100

63 306.4 275.3 412.9

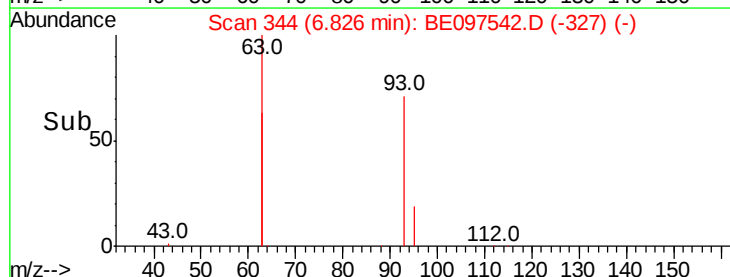
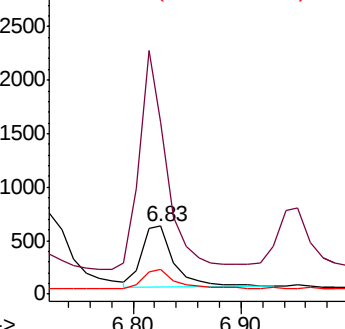
95 31.9 25.2 37.8



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: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

Tot Ion:136 Resp: 3782

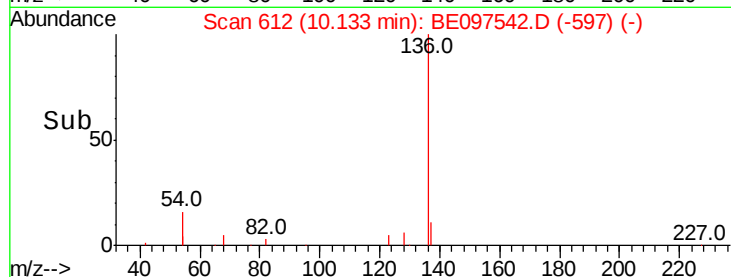
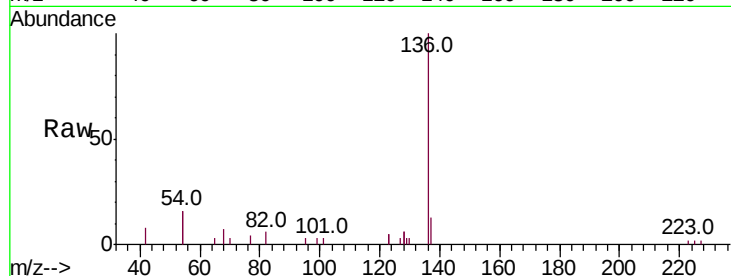
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 31.9 29.1 43.7

68 7.4 6.2 9.2

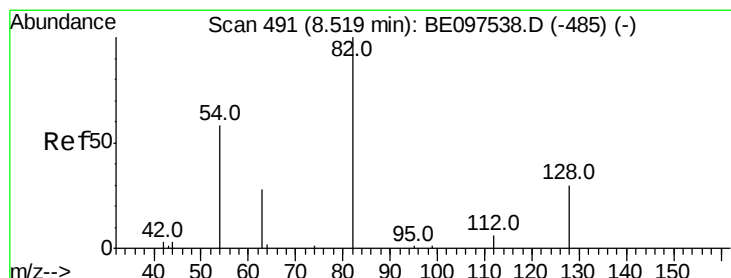
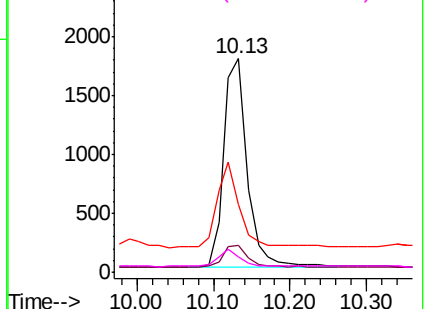


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.393 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

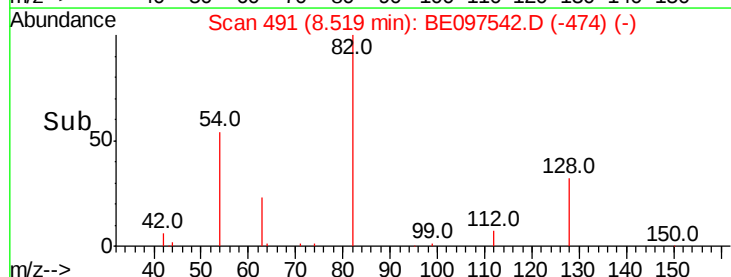
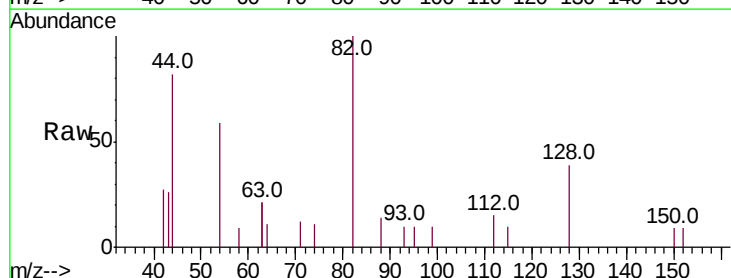
Tgt Ion: 82 Resp: 1148

Ion Ratio Lower Upper

82 100

128 39.0 24.0 36.0#

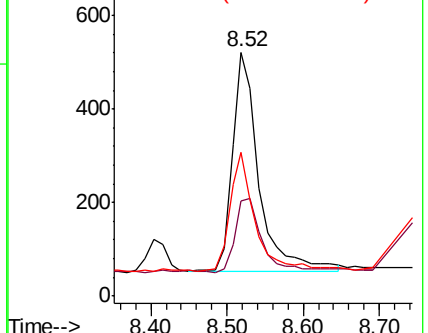
54 58.7 40.0 60.0



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: 0.418 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

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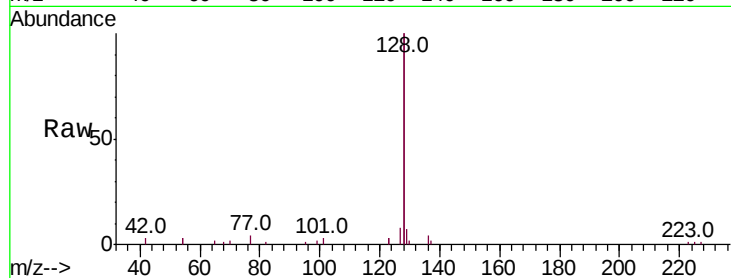
Tot Ion:128 Resp: 14233

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

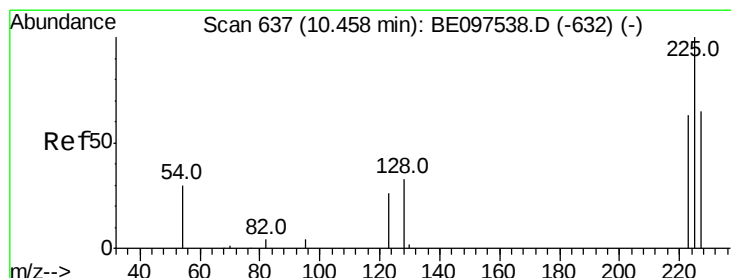
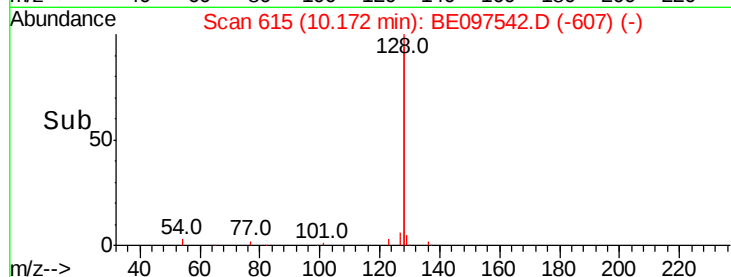
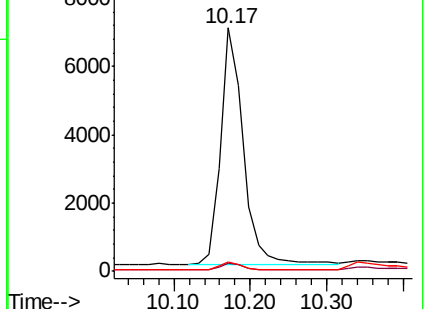
127 3.8 2.8 4.2



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: 0.413 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

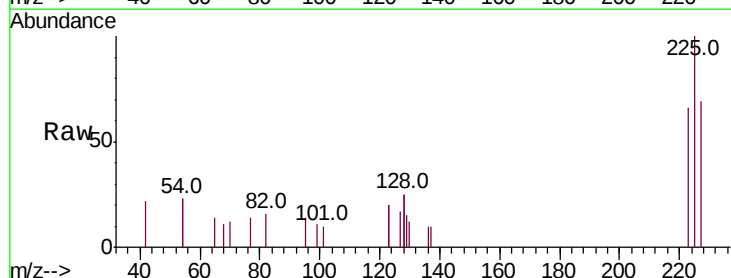
Tgt Ion:225 Resp: 648

Ion Ratio Lower Upper

225 100

223 61.9 53.0 79.6

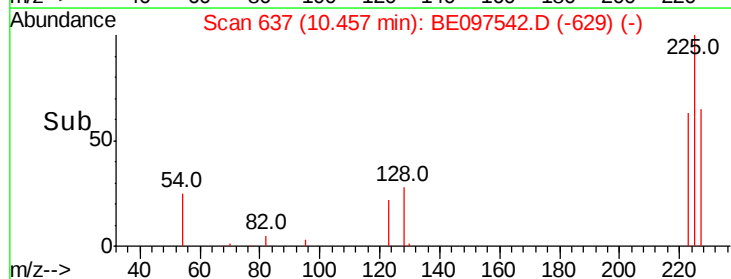
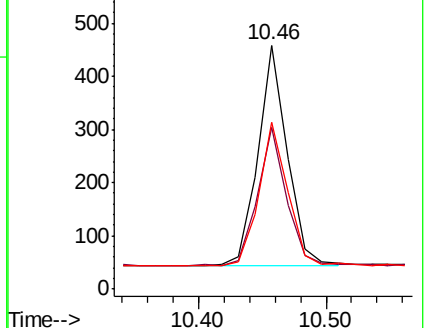
227 64.2 51.4 77.2

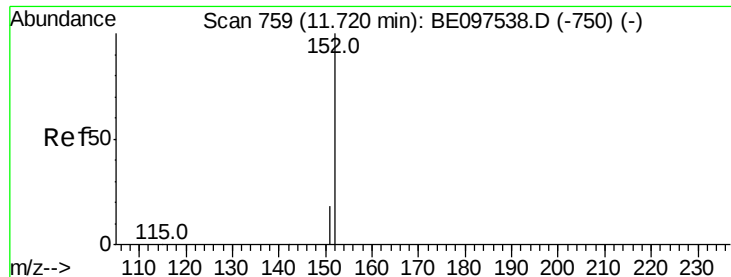


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.408 ng

RT: 11.71 min Scan# 758

Delta R.T. -0.01 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

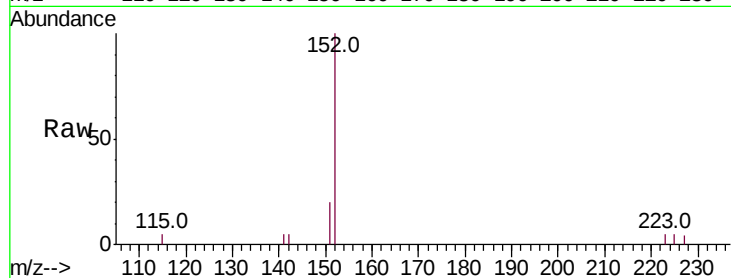
ICVBE091918

Tot Ion:152 Resp: 2125

Ion Ratio Lower Upper

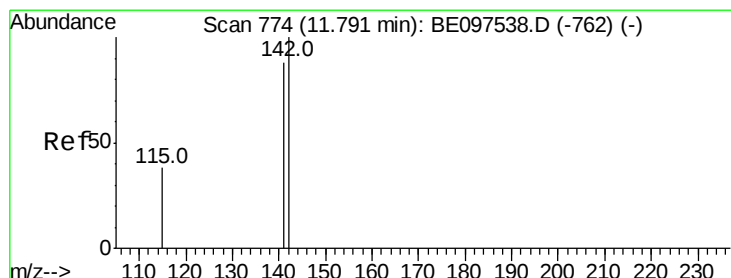
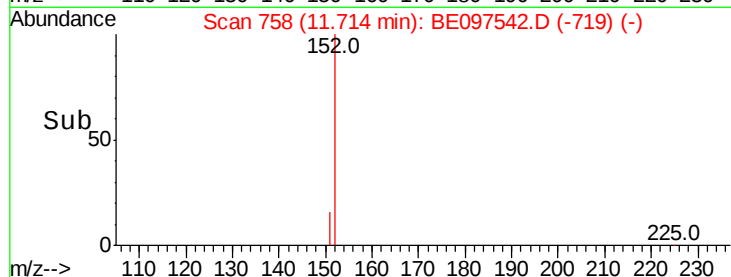
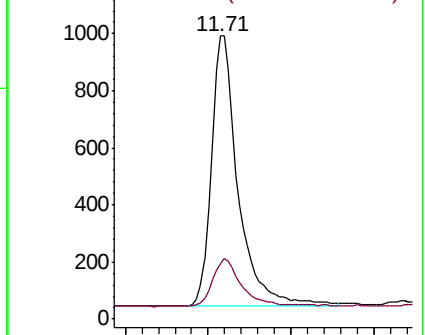
152 100

151 18.6 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: 0.407 ng

RT: 11.79 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

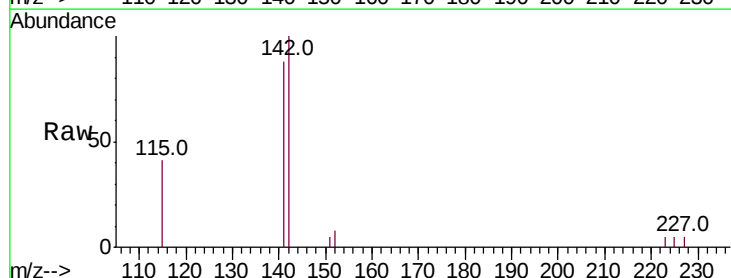
Tgt Ion:142 Resp: 2165

Ion Ratio Lower Upper

142 100

141 88.4 70.4 105.6

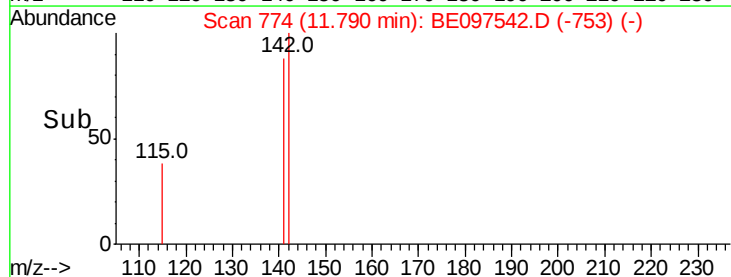
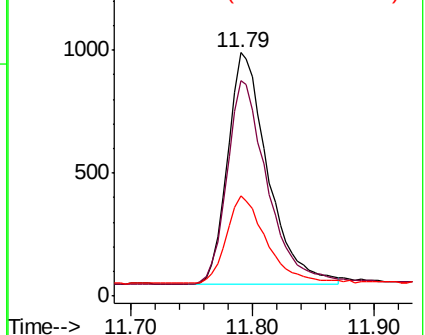
115 41.1 31.7 47.5

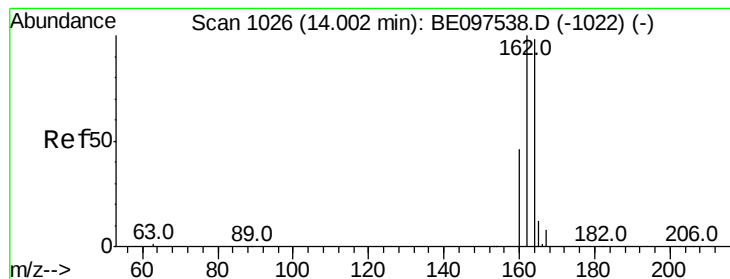


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.00 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

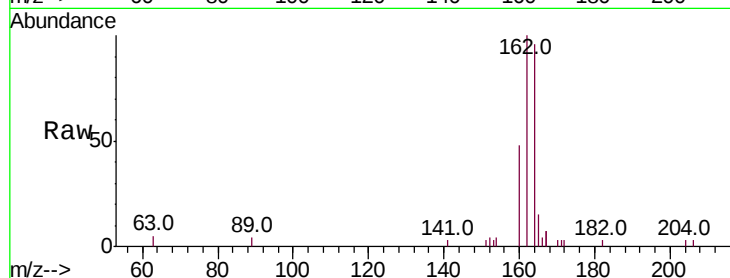
Tot Ion:164 Resp: 2098

Ion Ratio Lower Upper

164 100

162 104.0 83.1 124.7

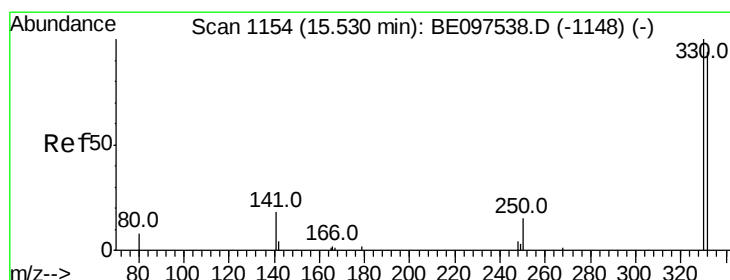
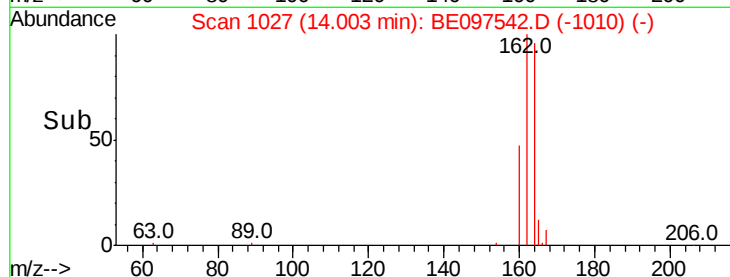
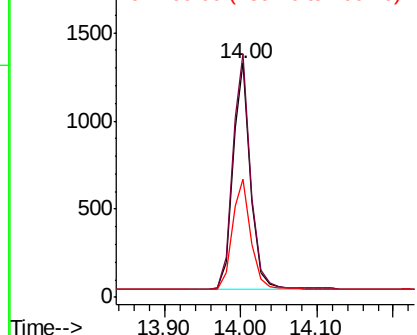
160 50.3 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.412 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

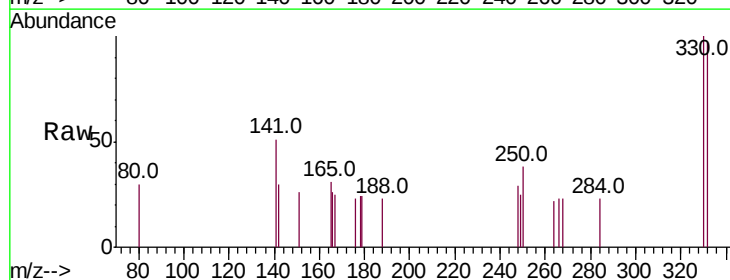
Tgt Ion:330 Resp: 326

Ion Ratio Lower Upper

330 100

332 93.6 152.7 229.1#

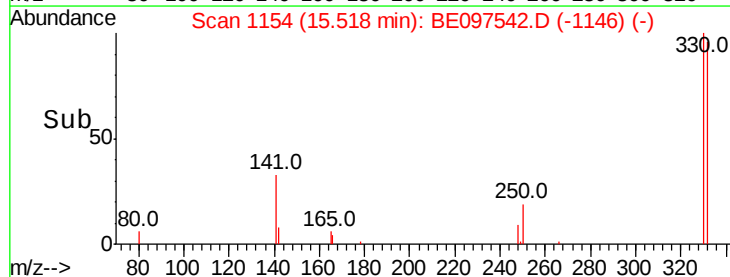
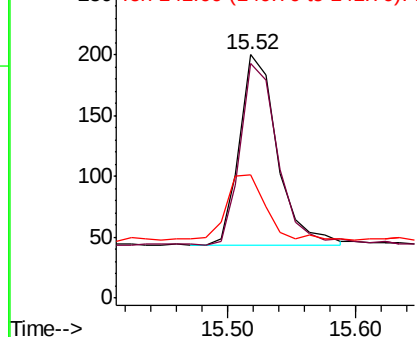
141 32.5 33.7 50.5#

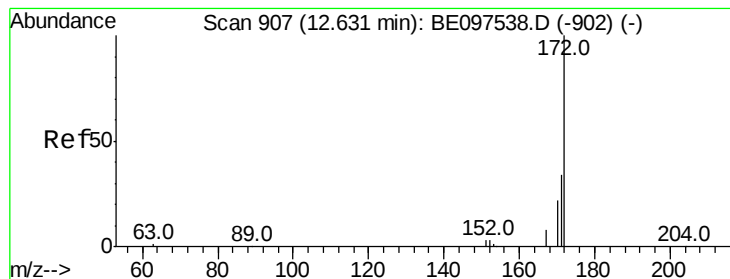


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.430 ng

RT: 12.62 min Scan# 907

Delta R.T. -0.01 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

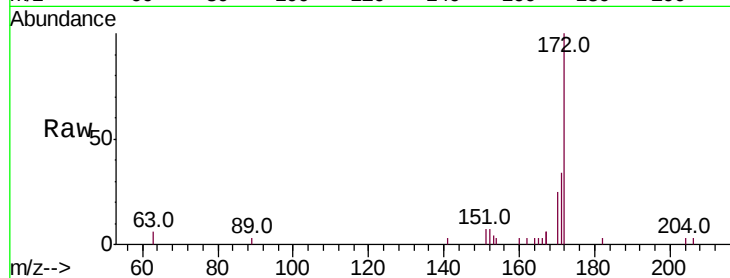
Tot Ion:172 Resp: 3188

Ion Ratio Lower Upper

172 100

171 34.5 29.9 44.9

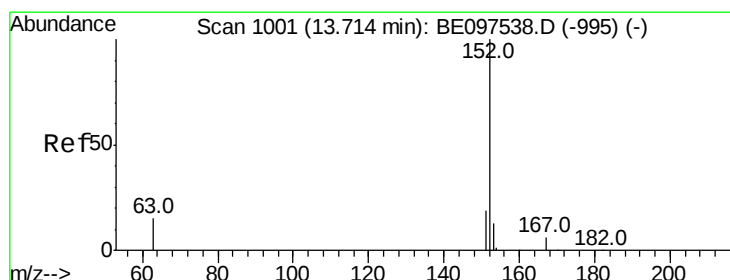
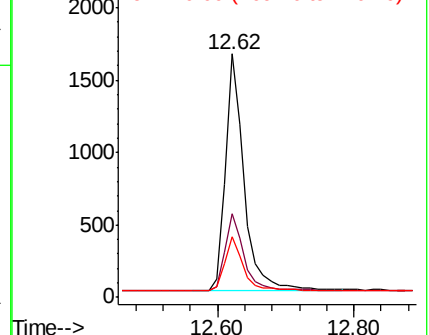
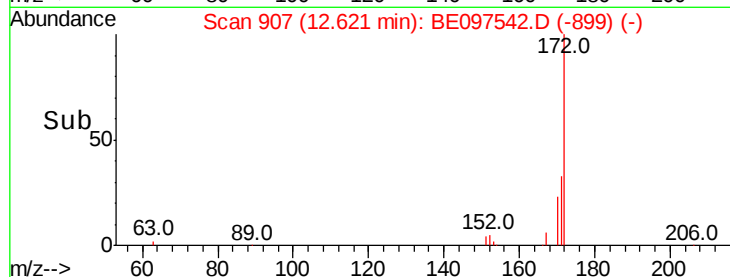
170 24.8 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.399 ng

RT: 13.72 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

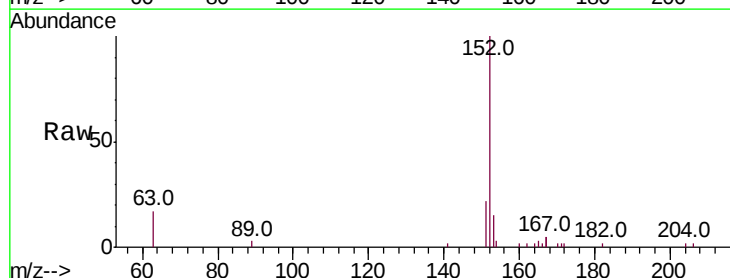
Tgt Ion:152 Resp: 3311

Ion Ratio Lower Upper

152 100

151 20.5 15.7 23.5

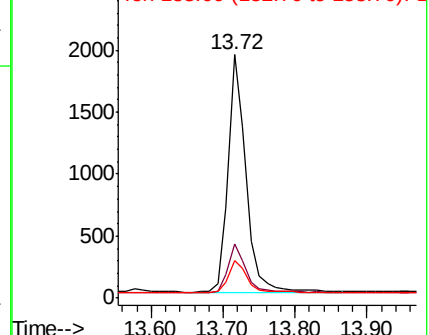
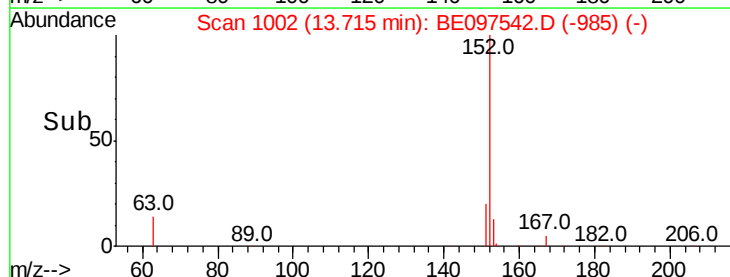
153 14.0 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.423 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

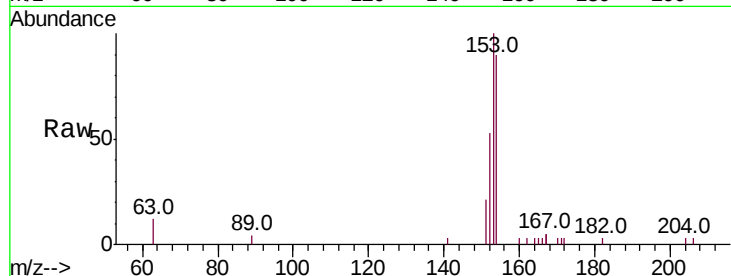
Tot Ion:154 Resp: 2352

Ion Ratio Lower Upper

154 100

153 111.6 89.2 133.8

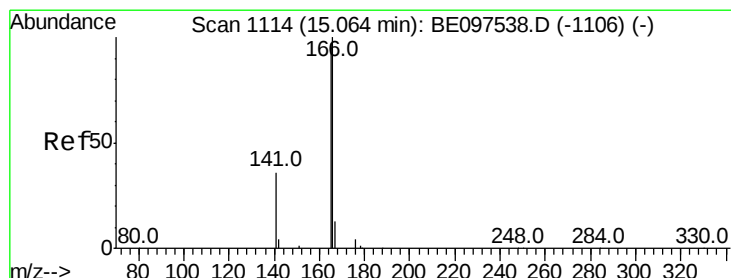
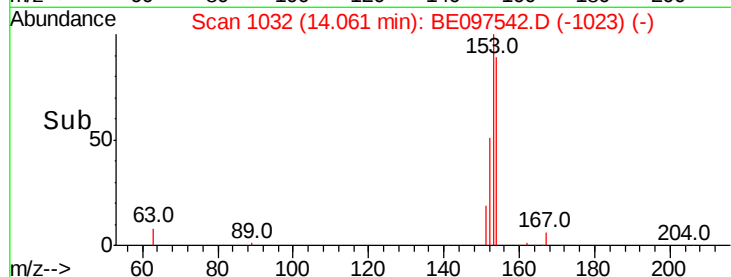
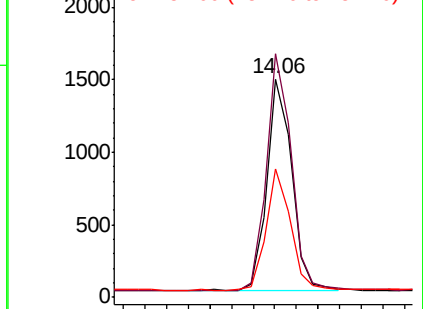
152 56.2 42.0 63.0



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: 0.408 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

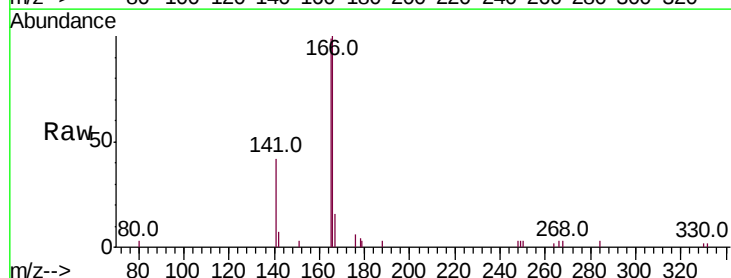
Tgt Ion:166 Resp: 2958

Ion Ratio Lower Upper

166 100

165 99.2 77.8 116.6

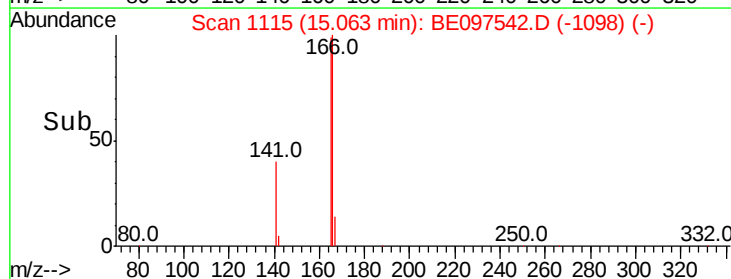
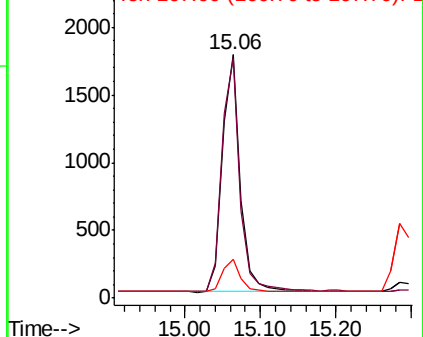
167 13.6 42.4 63.6#

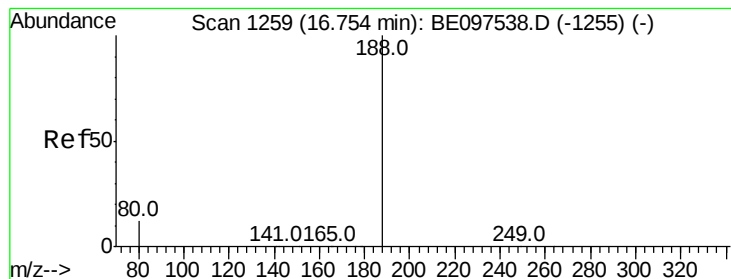


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.75 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

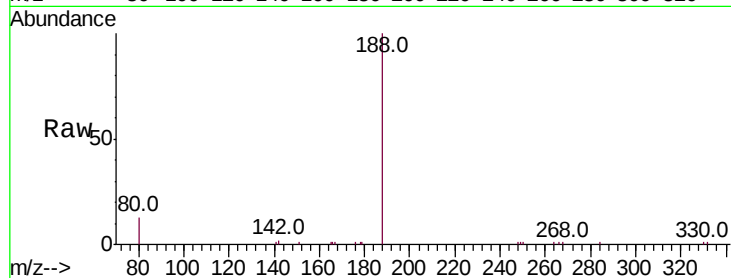
Tot Ion:188 Resp: 6171

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

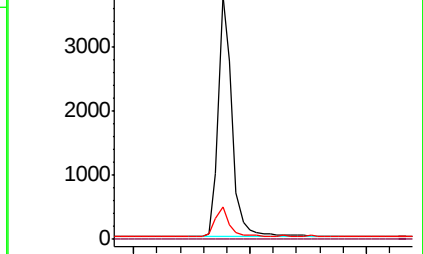
80 13.2 3.6 5.4#



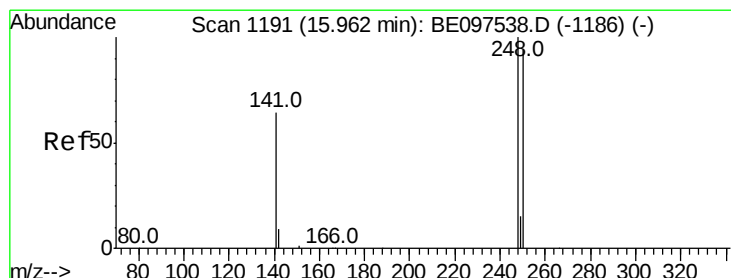
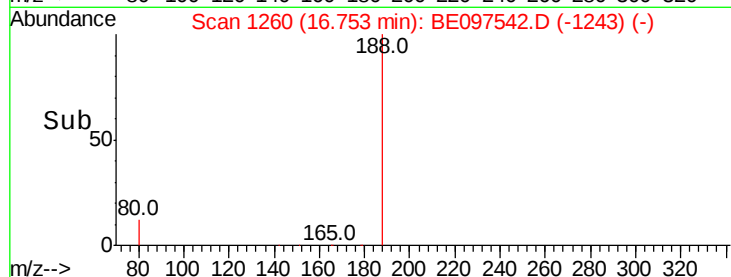
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time--> 16.60 16.80 17.00



#20

4-Bromophenyl-phenylether

Concen: 0.397 ng

RT: 15.96 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

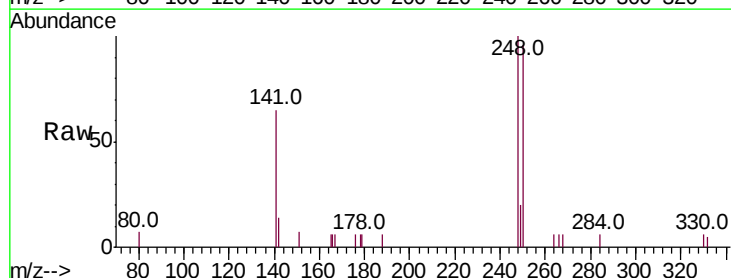
Tgt Ion:248 Resp: 1105

Ion Ratio Lower Upper

248 100

250 95.6 62.7 94.1#

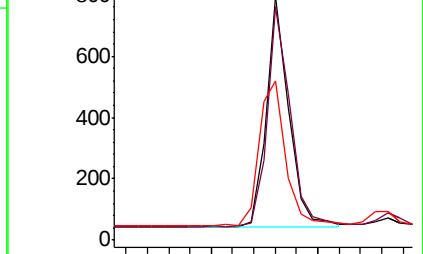
141 65.2 48.2 72.2



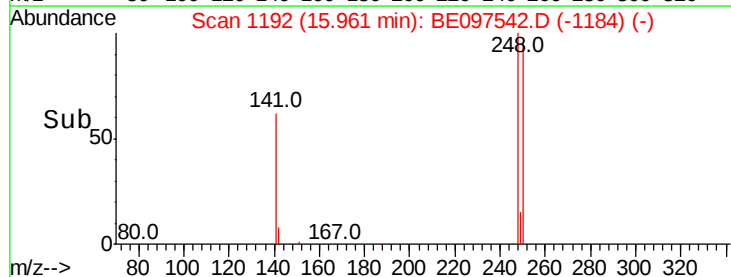
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 15.90 16.00





#21

Hexachlorobenzene

Concen: 0.408 ng

RT: 16.07 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

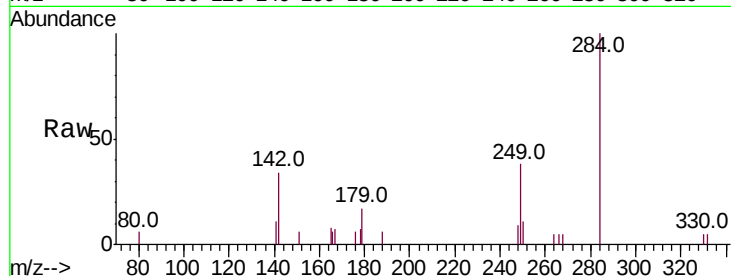
Tot Ion:284 Resp: 1249

Ion Ratio Lower Upper

284 100

142 31.0 22.1 33.1

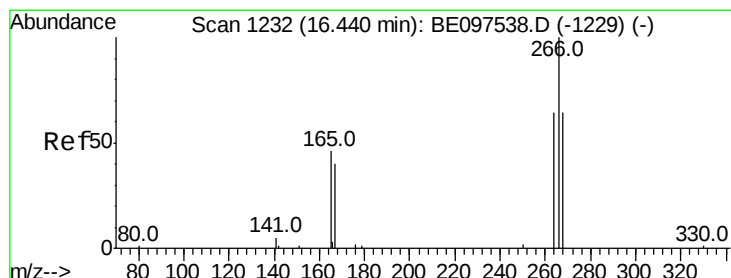
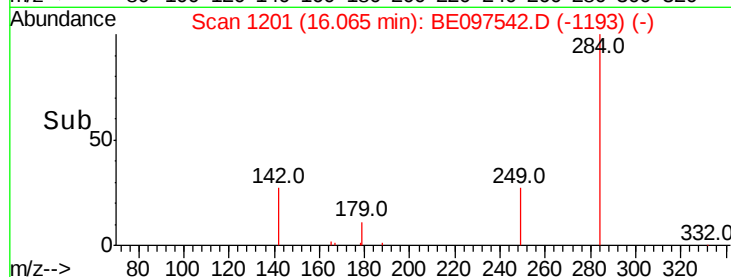
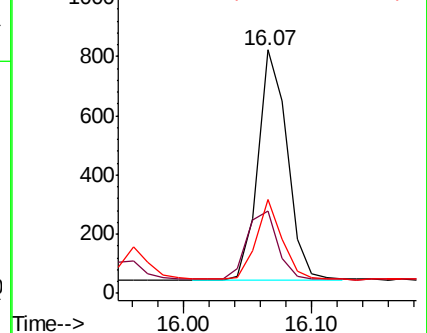
249 30.4 34.8 52.2#



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: 0.408 ng

RT: 16.44 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

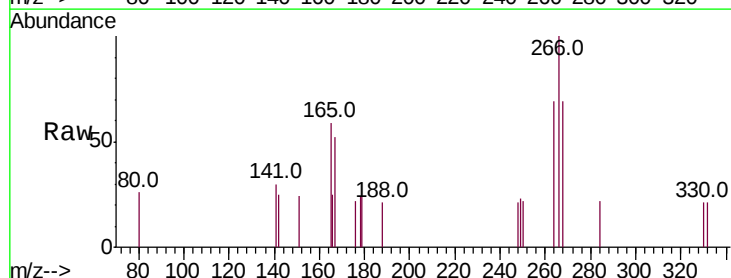
Tgt Ion:266 Resp: 381

Ion Ratio Lower Upper

266 100

264 68.9 72.5 108.7#

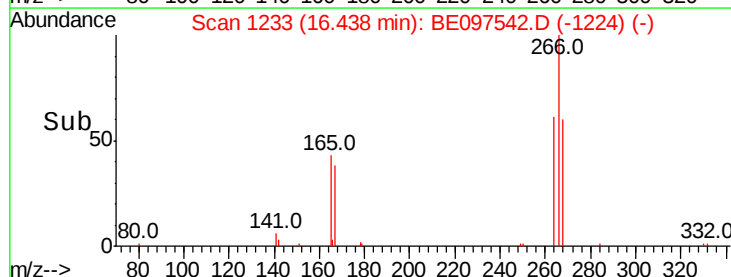
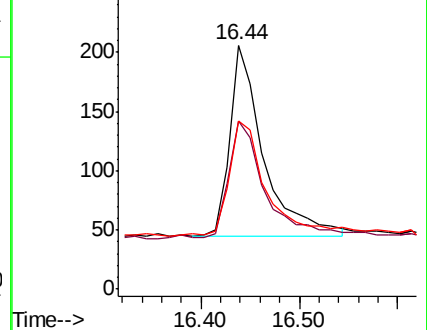
268 68.9 73.8 110.6#



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: 0.404 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

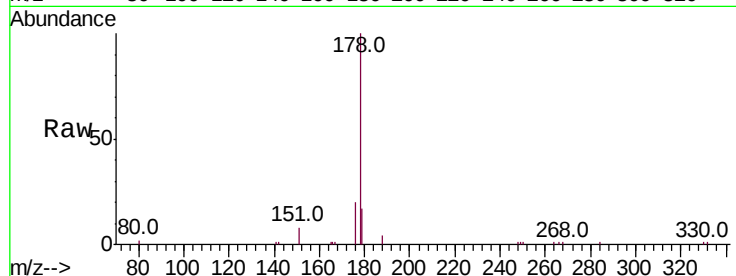
Tot Ion:178 Resp: 5912

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

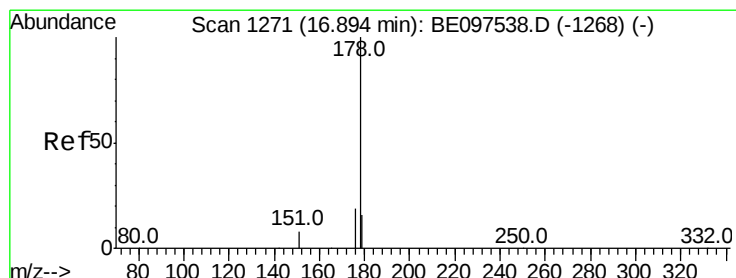
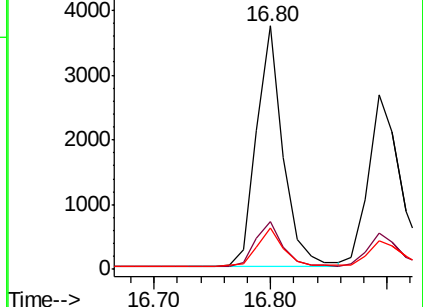
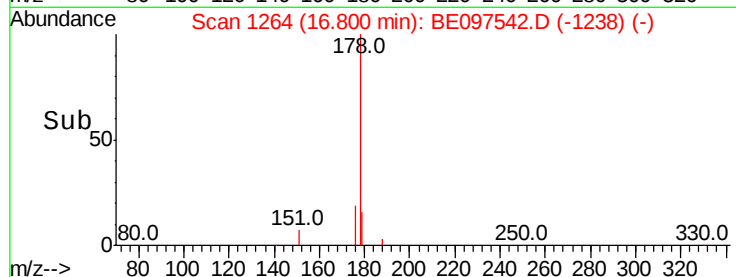
179 16.0 11.8 17.6



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: 0.383 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

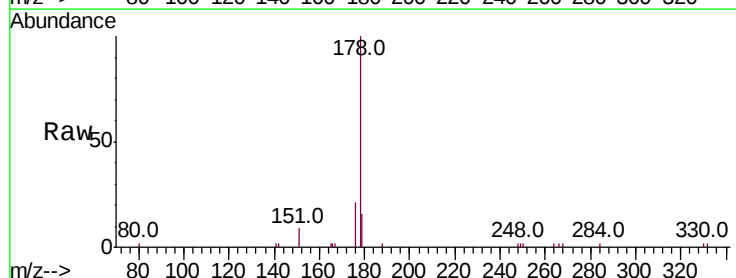
Tgt Ion:178 Resp: 4960

Ion Ratio Lower Upper

178 100

176 18.9 12.8 19.2

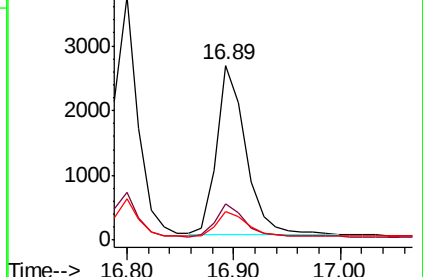
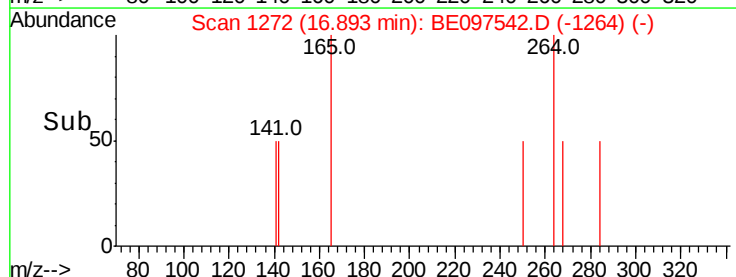
179 14.9 13.0 19.6



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: 0.396 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

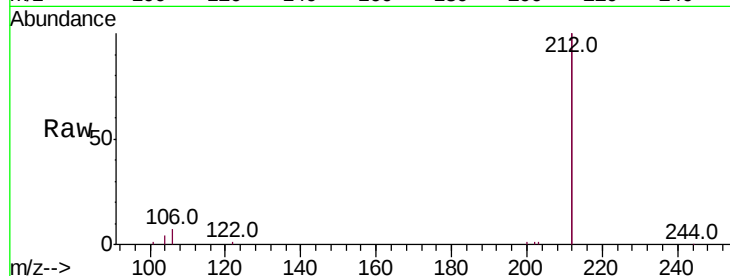
Tot Ion:212 Resp: 31288

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

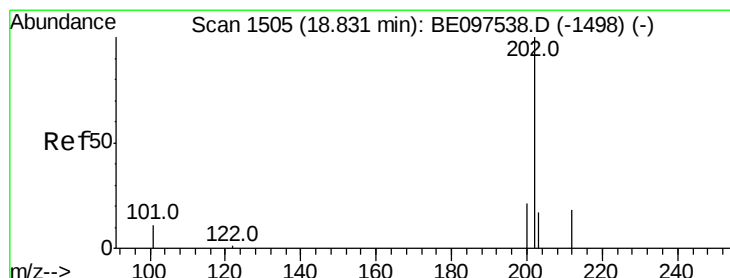
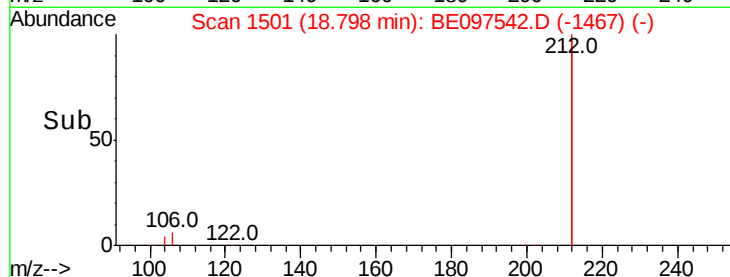
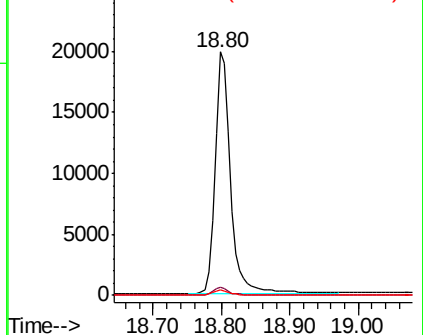
104 1.7 1.6 2.4



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: 0.401 ng

RT: 18.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

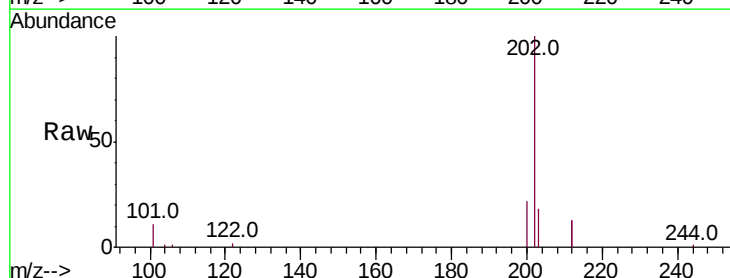
Tgt Ion:202 Resp: 8155

Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

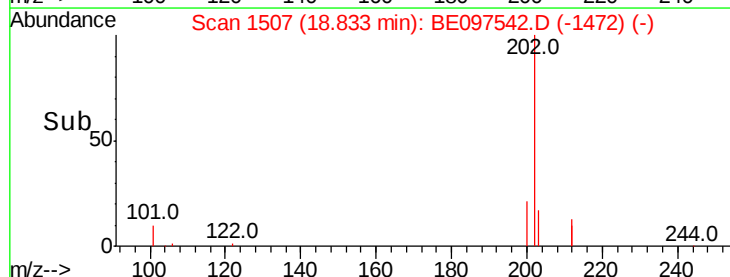
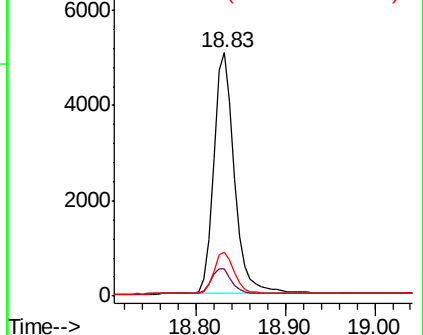
203 17.3 13.7 20.5



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

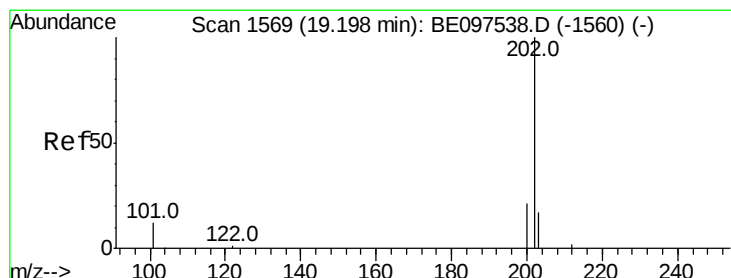
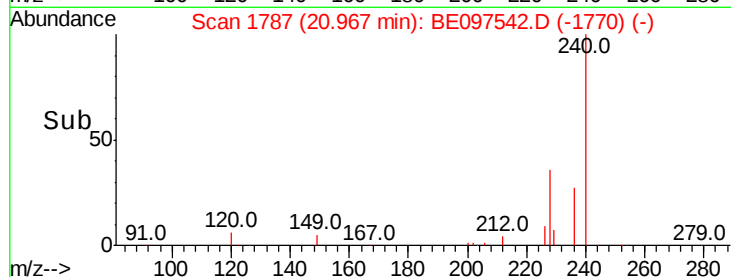
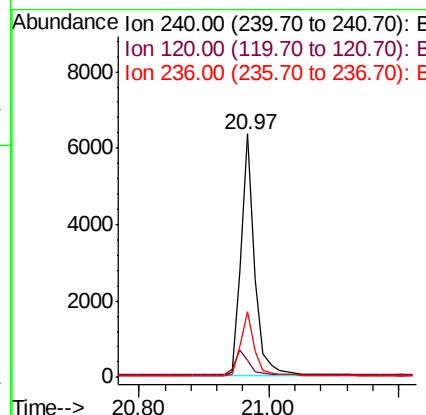
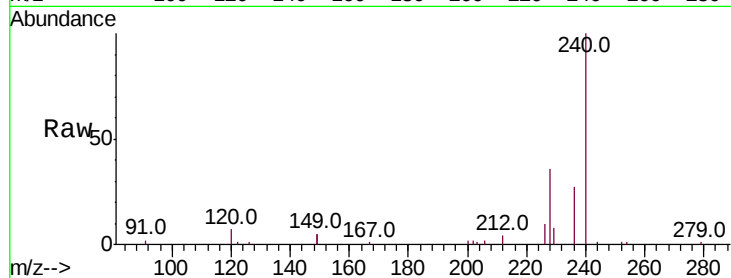




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097542.D
 Acq: 19 Sep 2018 16:19

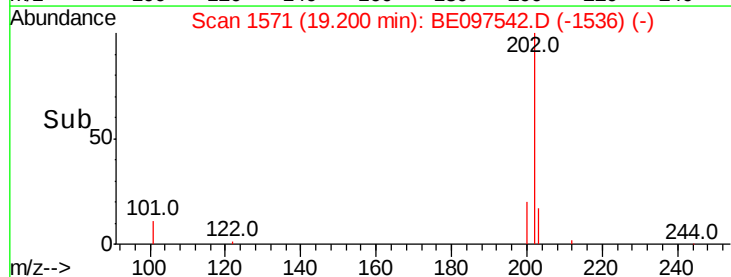
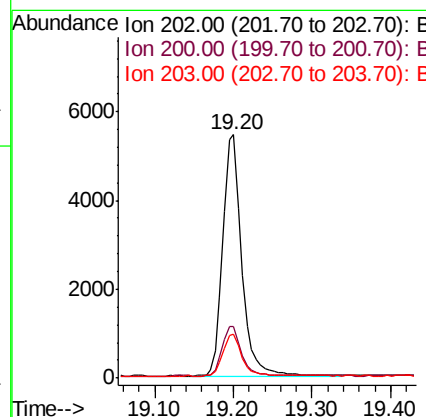
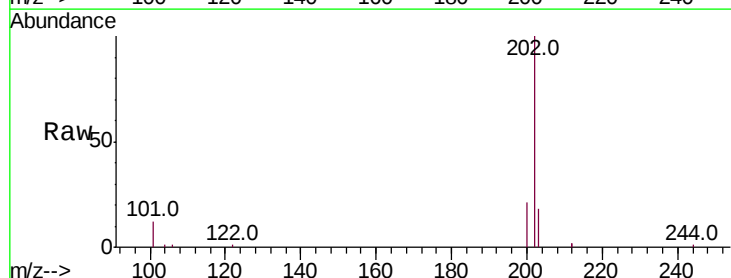
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE091918

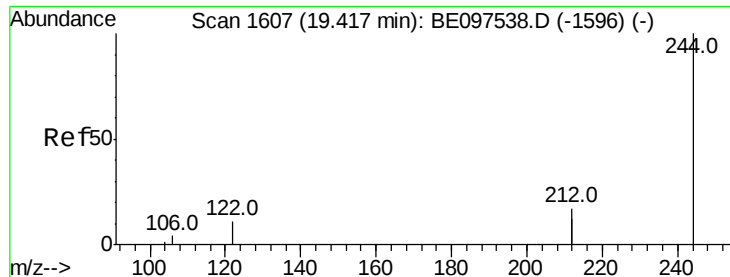
Tot Ion:240 Resp: 9421
 Ion Ratio Lower Upper
 240 100
 120 7.0 5.5 8.3
 236 27.2 20.7 31.1



#28
 Pyrene
 Concen: 0.420 ng
 RT: 19.20 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BE097542.D
 Acq: 19 Sep 2018 16:19

Tgt Ion:202 Resp: 9002
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.6 25.0
 203 17.4 13.8 20.8





#29

Terphenyl-d14

Concen: 0.411 ng

RT: 19.42 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

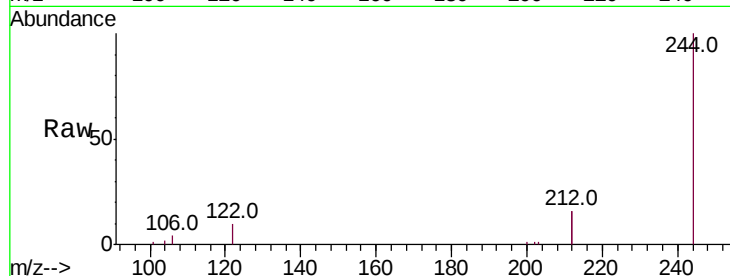
Tot Ion:244 Resp: 7080

Ion Ratio Lower Upper

244 100

212 31.5 25.4 38.0

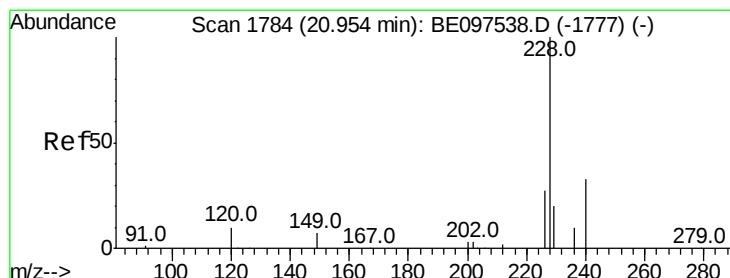
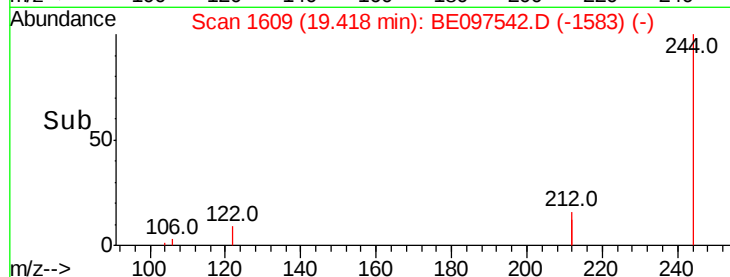
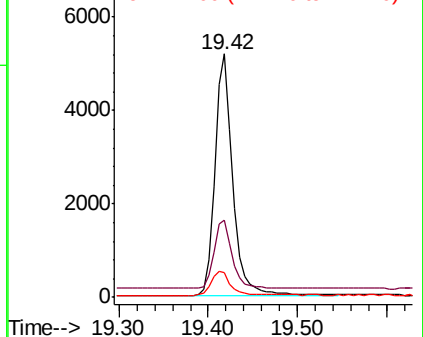
122 10.3 8.1 12.1



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: 0.385 ng

RT: 20.96 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

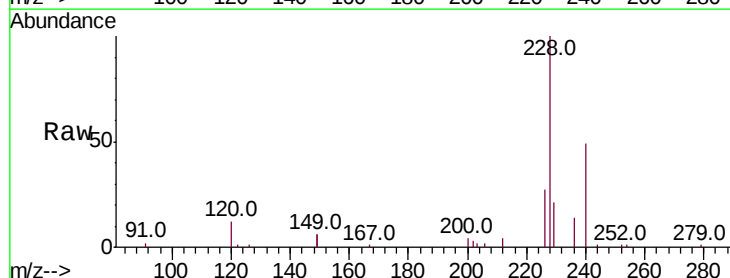
Tgt Ion:228 Resp: 9135

Ion Ratio Lower Upper

228 100

226 27.1 24.0 36.0

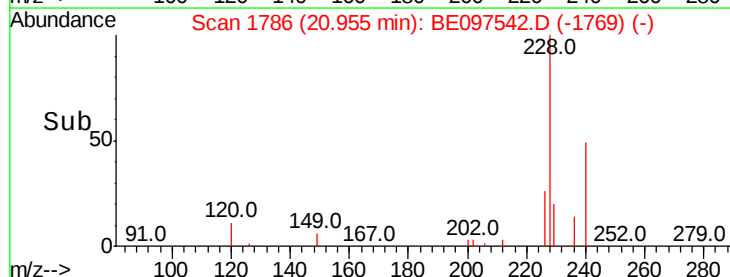
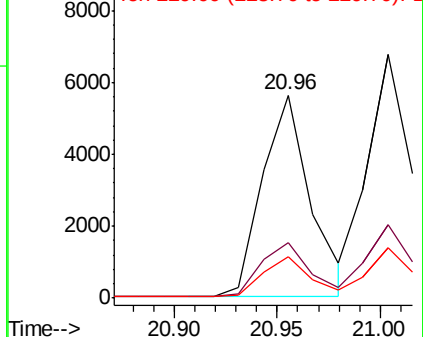
229 20.6 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.409 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

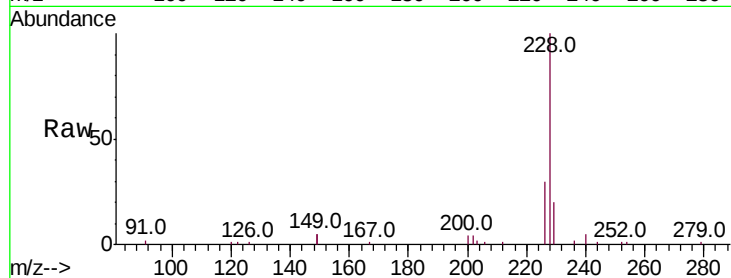
Tot Ion:228 Resp: 10406

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

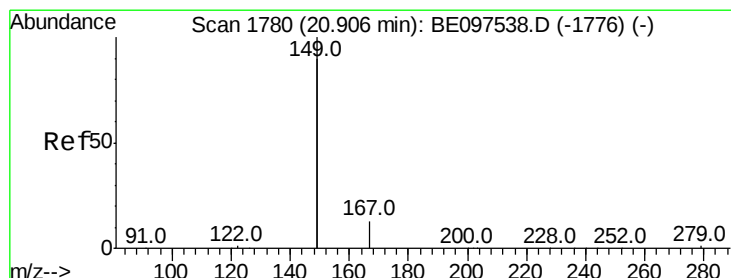
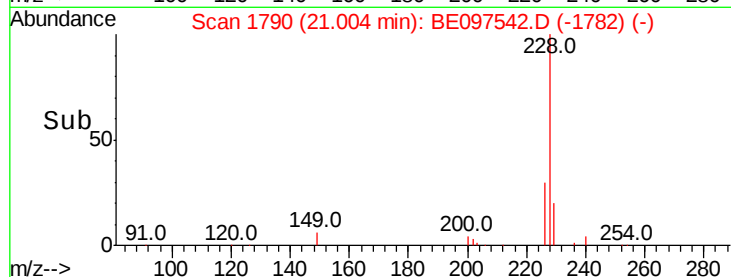
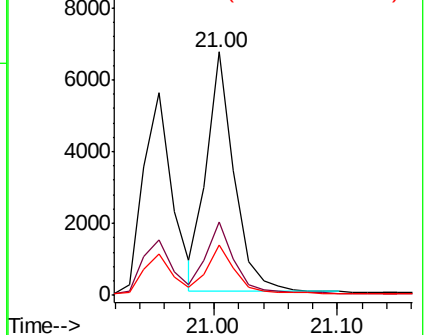
229 20.4 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.352 ng

RT: 20.91 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

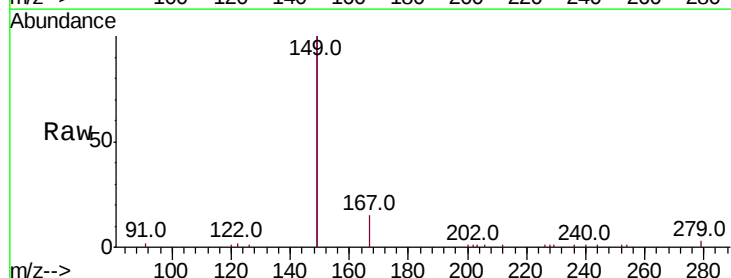
Tgt Ion:149 Resp: 13606

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

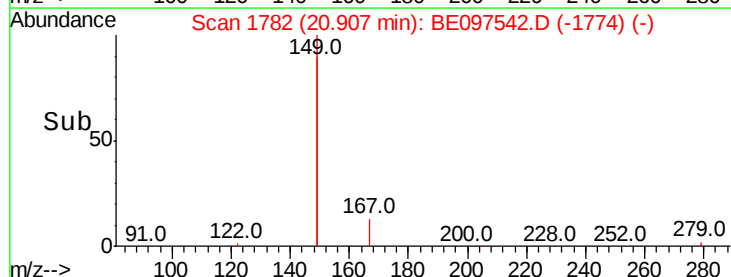
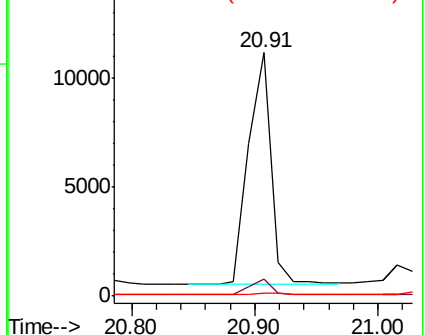
279 1.1 0.7 1.1#



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





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.400 ng

RT: 25.50 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

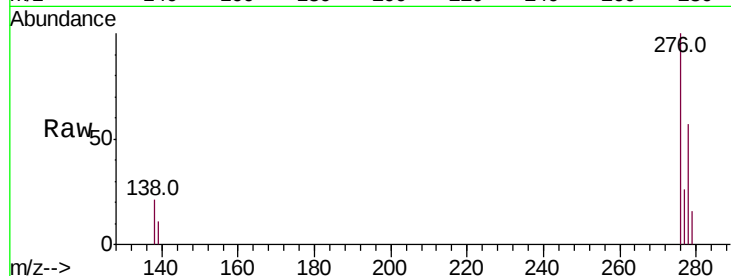
Tot Ion:276 Resp: 12262

Ion Ratio Lower Upper

276 100

138 20.6 22.5 33.7#

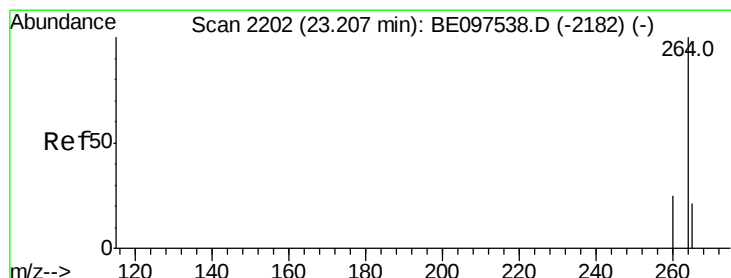
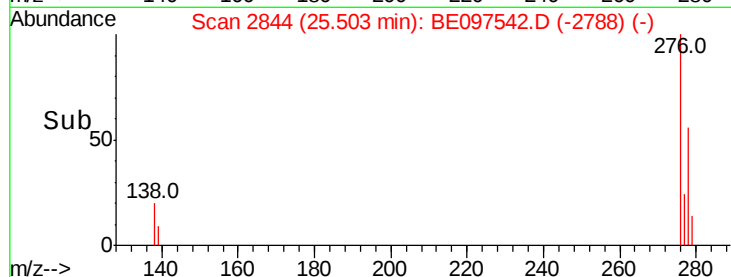
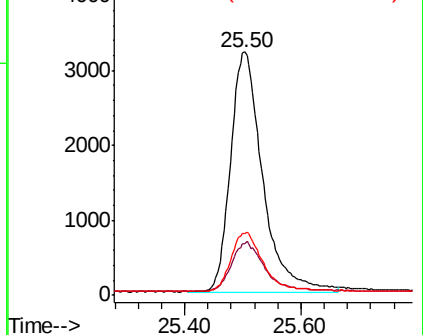
277 25.0 19.9 29.9



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: 23.21 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

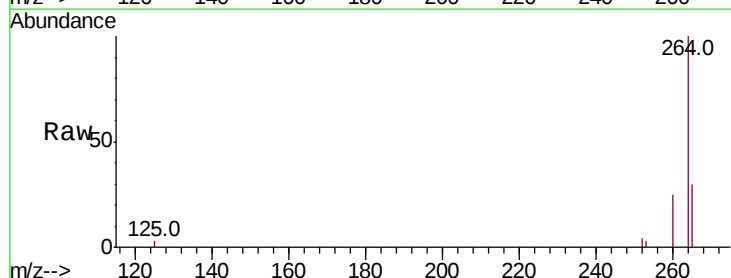
Tgt Ion:264 Resp: 9293

Ion Ratio Lower Upper

264 100

260 25.1 20.5 30.7

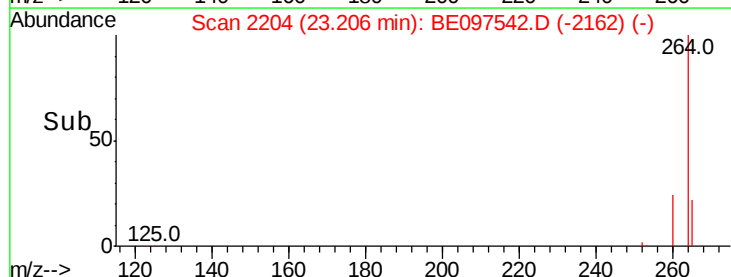
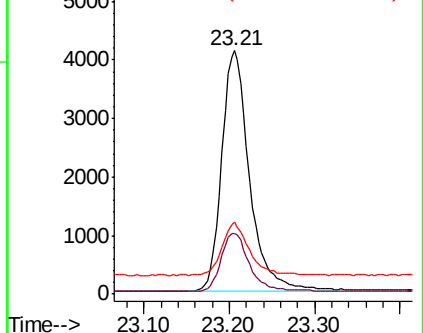
265 29.7 22.8 34.2



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: 0.390 ng

RT: 22.53 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

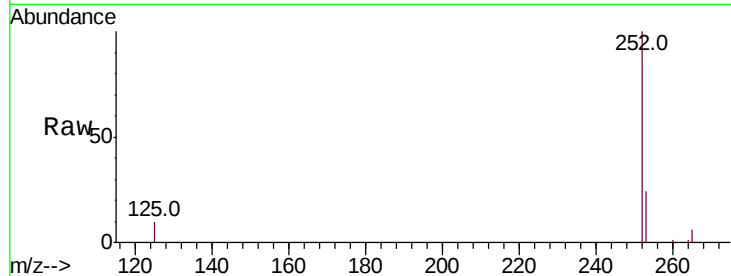
Tot Ion:252 Resp: 9294

Ion Ratio Lower Upper

252 100

253 23.8 20.0 30.0

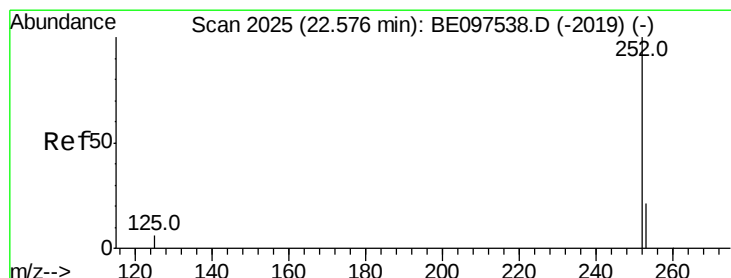
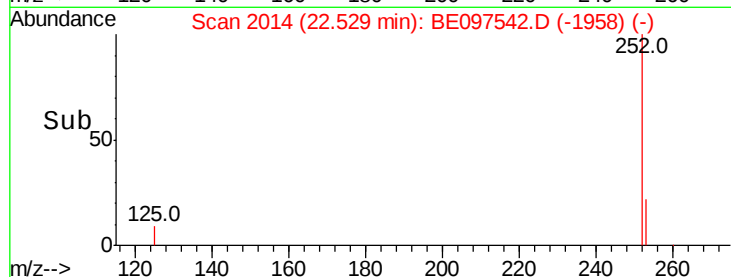
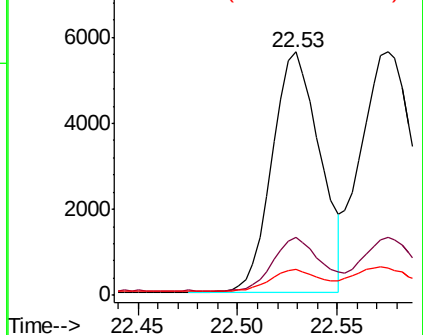
125 10.4 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.412 ng

RT: 22.58 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

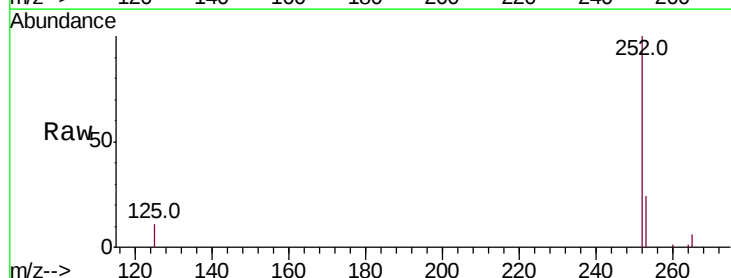
Tgt Ion:252 Resp: 11204

Ion Ratio Lower Upper

252 100

253 23.6 16.0 24.0

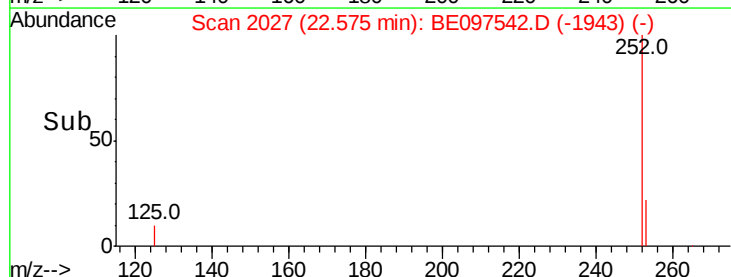
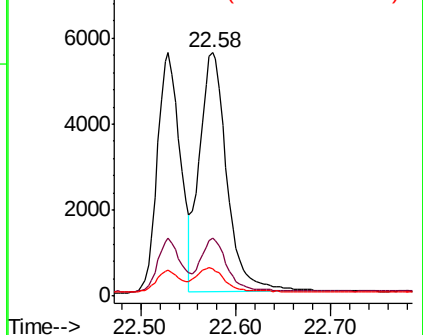
125 11.0 8.0 12.0



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





#37

Benzo(a)pyrene

Concen: 0.408 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

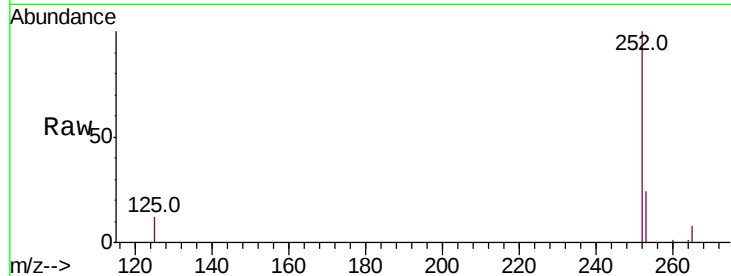
Tot Ion:252 Resp: 9432

Ion Ratio Lower Upper

252 100

253 23.8 16.0 24.0

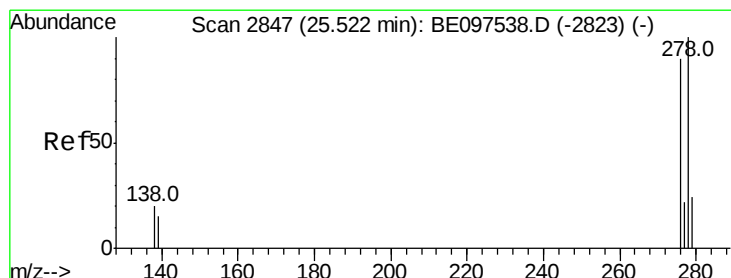
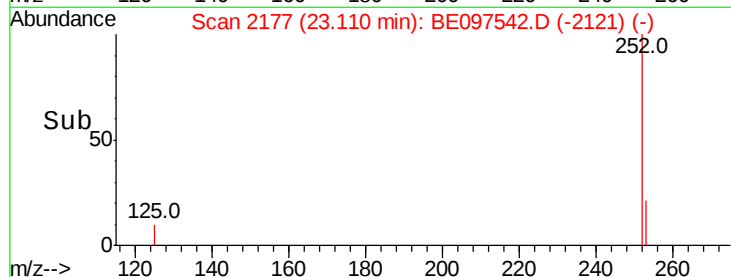
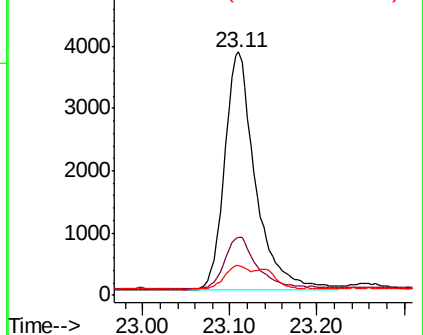
125 12.2 12.0 18.0



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: 0.415 ng

RT: 25.52 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

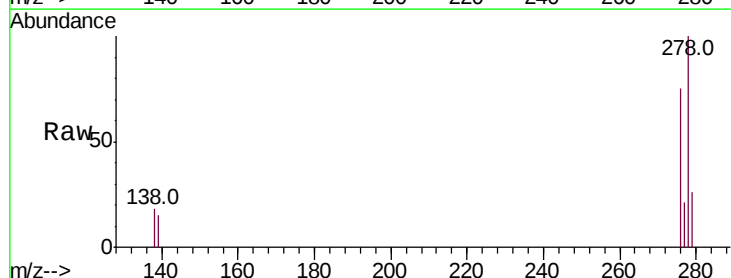
Tgt Ion:278 Resp: 10365

Ion Ratio Lower Upper

278 100

139 15.2 16.0 24.0#

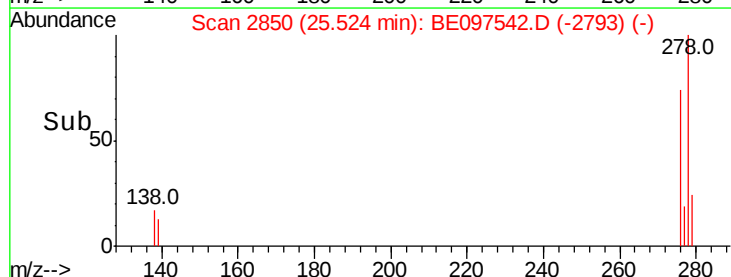
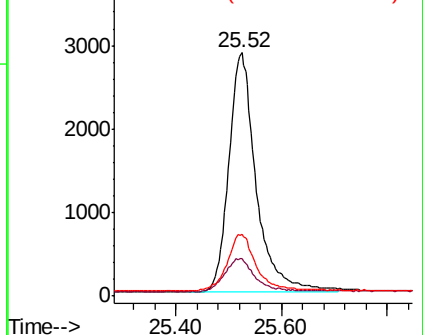
279 25.6 20.0 30.0



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: 0.413 ng

RT: 26.20 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BE097542.D

Acq: 19 Sep 2018 16:19

Instrument :

BNA_E

ClientSampleId :

ICVBE091918

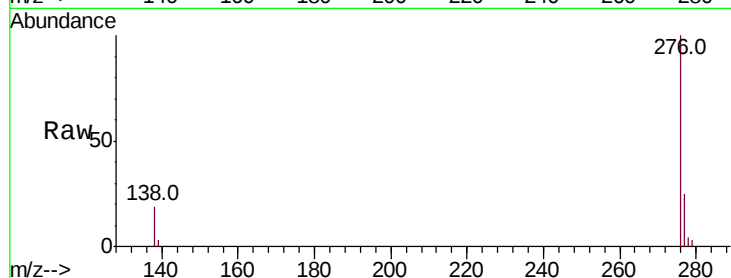
Tot Ion:276 Resp: 10027

Ion Ratio Lower Upper

276 100

277 25.3 16.0 24.0#

138 19.1 20.0 30.0#



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

