

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097540.D
 Acq On : 19 Sep 2018 14:58
 Operator : SJ/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 19 15:49:23 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 15:47:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	784	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	3621	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	2089	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5928	0.40	ng	0.00
27) Chrysene-d12	20.97	240	8931	0.40	ng	0.00
34) Perylene-d12	23.20	264	8622	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	3618	1.36	ng	0.00
5) Phenol-d6	6.59	99	4814	1.43	ng	0.00
8) Nitrobenzene-d5	8.51	82	4492	1.54	ng	0.00
11) 2-Methylnaphthalene-d10	11.71	152	8046	1.55	ng	-0.01
14) 2,4,6-Tribromophenol	15.51	330	1457	1.32	ng	-0.02
15) 2-Fluorobiphenyl	12.61	172	11646	1.60	ng	-0.02
25) Fluoranthene-d10	18.80	212	119469	1.68	ng	0.00
29) Terphenyl-d14	19.41	244	25913	1.52	ng	0.00

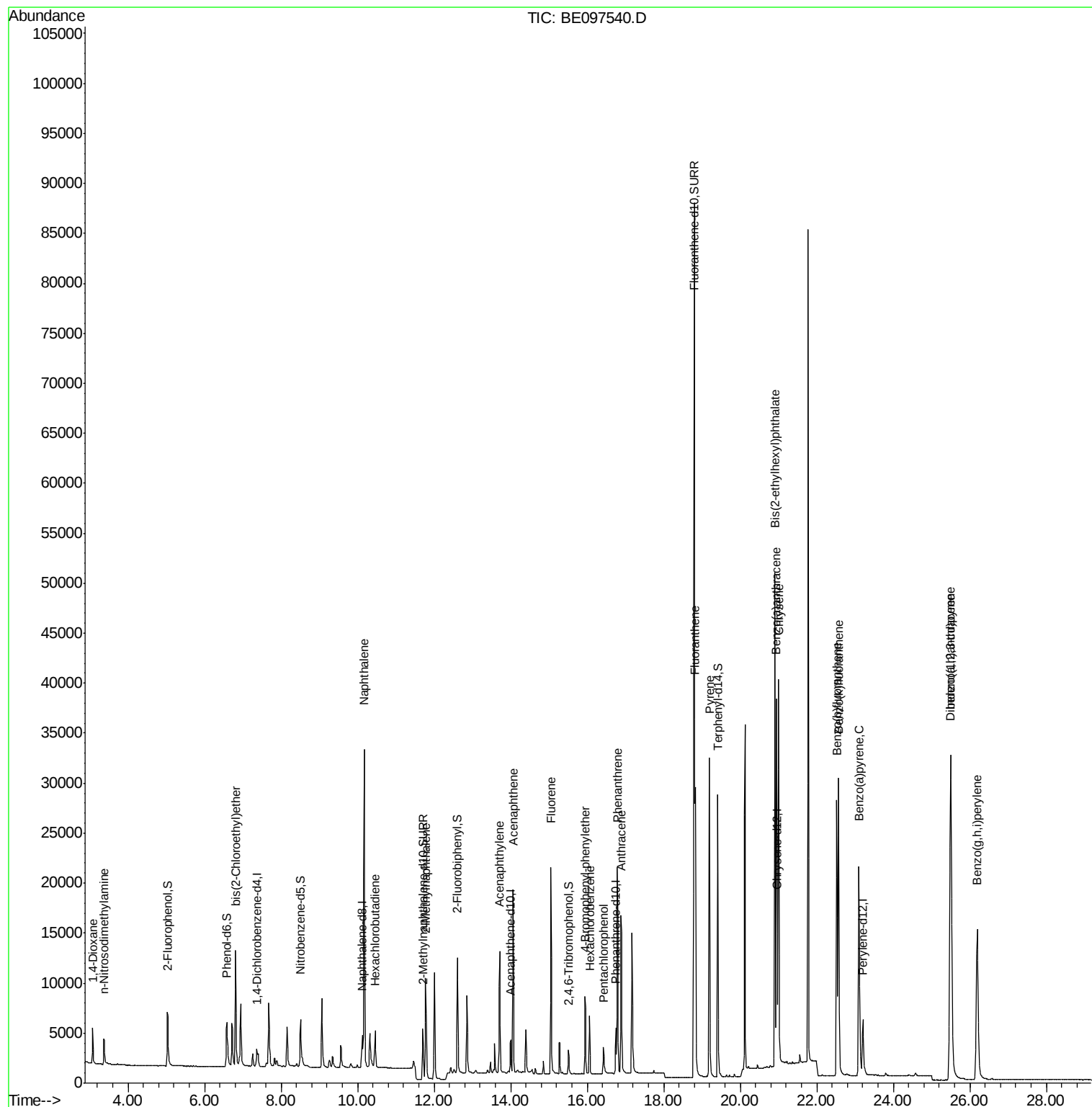
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.07	88	1965	1.449	ng	# 86
3) n-Nitrosodimethylamine	3.36	42	1878	1.657	ng	# 92
6) bis(2-Chloroethyl)ether	6.82	93	4362	1.620	ng	87
9) Naphthalene	10.17	128	51853	1.577	ng	99
10) Hexachlorobutadiene	10.46	225	2371	1.520	ng	98
12) 2-Methylnaphthalene	11.79	142	8332	1.585	ng	99
16) Acenaphthylene	13.71	152	13766	1.515	ng	99
17) Acenaphthene	14.06	154	8913	1.589	ng	97
18) Fluorene	15.05	166	11674	1.633	ng	# 80
20) 4-Bromophenyl-phenylether	15.95	248	4275	1.494	ng	# 77
21) Hexachlorobenzene	16.07	284	4718	1.555	ng	# 84
22) Pentachlorophenol	16.43	266	1726	3.276	ng	# 73
23) Phenanthrene	16.79	178	22345	1.603	ng	98
24) Anthracene	16.88	178	20246	1.573	ng	96
26) Fluoranthene	18.83	202	31583	1.737	ng	98
28) Pyrene	19.19	202	32631	1.420	ng	100
30) Benzo(a)anthracene	20.94	228	37130	1.581	ng	97
31) Chrysene	21.00	228	37206	1.544	ng	98
32) Bis(2-ethylhexyl)phthalate	20.91	149	55712	1.116	ng	100
33) Indeno(1,2,3-cd)pyrene	25.49	276	45473	1.583	ng	# 92
35) Benzo(b)fluoranthene	22.53	252	36389	1.651	ng	# 86
36) Benzo(k)fluoranthene	22.57	252	40091	1.667	ng	96
37) Benzo(a)pyrene	23.10	252	34933	1.595	ng	# 92
38) Dibenzo(a,h)anthracene	25.51	278	38419	1.682	ng	# 93
39) Benzo(g,h,i)perylene	26.19	276	37340	1.600	ng	# 88

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
Data File : BE097540.D
Acq On : 19 Sep 2018 14:58
Operator : SJ/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Sep 19 15:49:23 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 15:47:52 2018
Response via : Initial Calibration



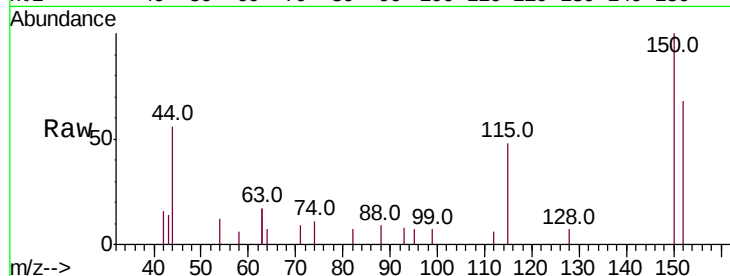


#1

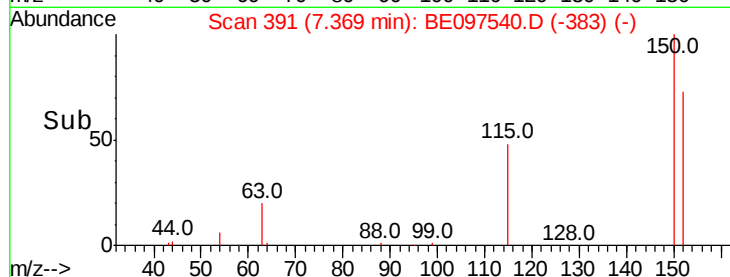
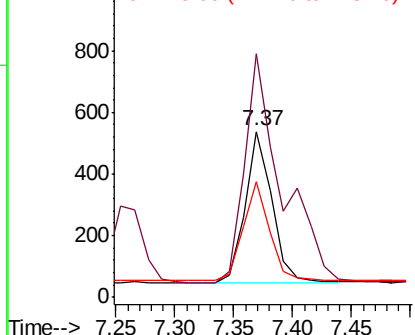
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097540.D
Acq: 19 Sep 2018 14:58

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 784
Ion Ratio Lower Upper
152 100
150 146.8 117.2 175.8
115 69.9 57.0 85.6



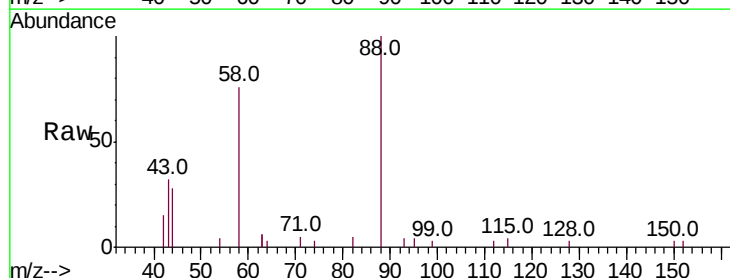
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



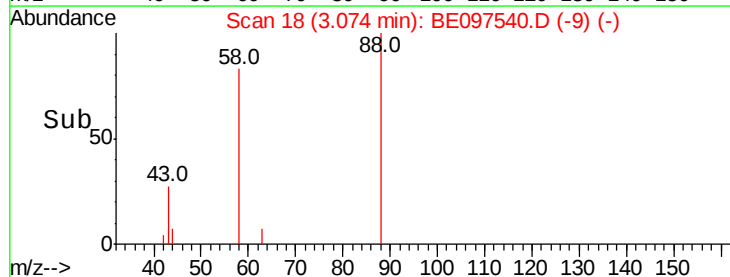
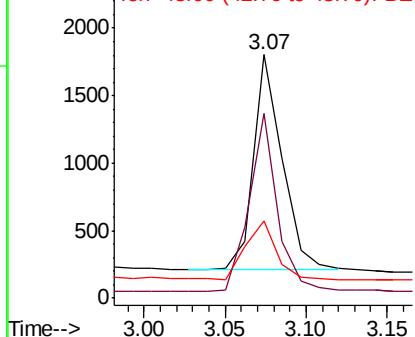
#2

1,4-Dioxane
Concen: 1.449 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.00 min
Lab File: BE097540.D
Acq: 19 Sep 2018 14:58

Tgt Ion: 88 Resp: 1965
Ion Ratio Lower Upper
88 100
58 81.1 63.2 94.8
43 28.5 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: 1.657 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

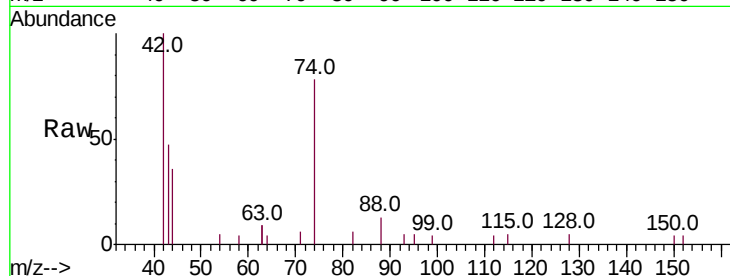
Tot Ion: 42 Resp: 1878

Ion Ratio Lower Upper

42 100

74 127.6 96.0 144.0

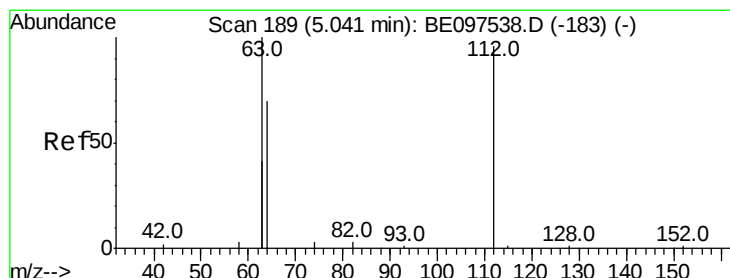
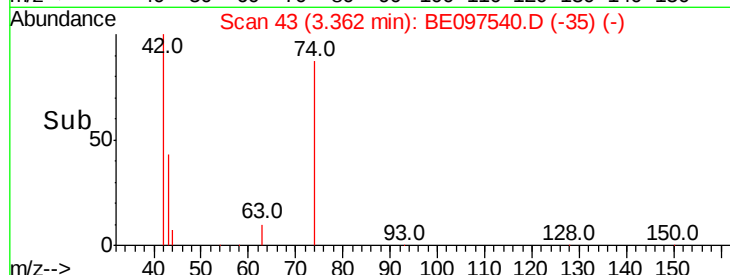
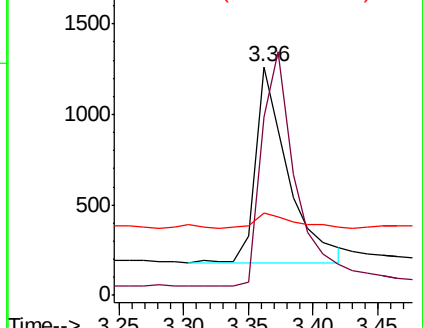
44 7.9 12.0 18.0#



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: 1.363 ng

RT: 5.04 min Scan# 189

Delta R.T. 0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

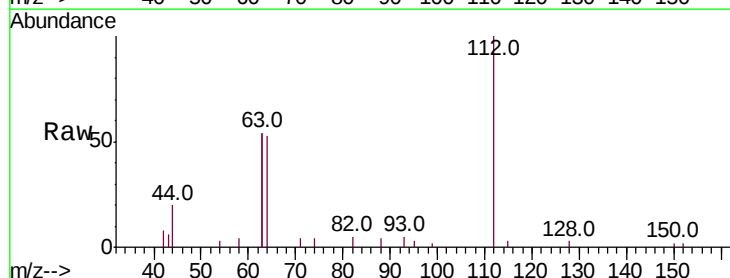
Tgt Ion: 112 Resp: 3618

Ion Ratio Lower Upper

112 100

64 66.6 60.1 90.1

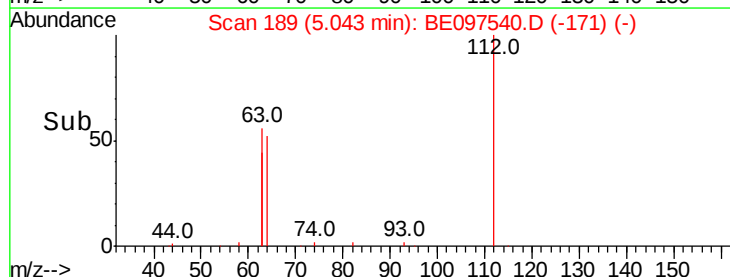
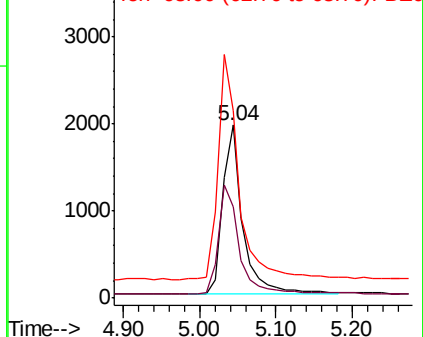
63 135.8 116.8 175.2



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: 1.429 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

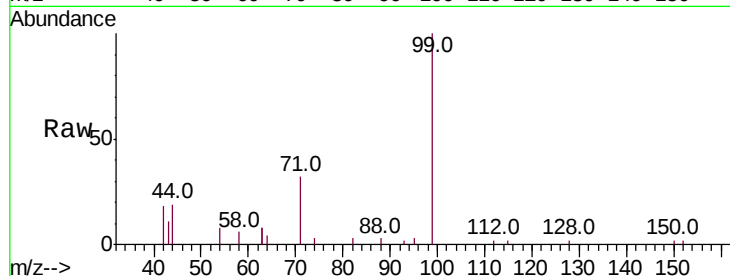
Tot Ion: 99 Resp: 4814

Ion Ratio Lower Upper

99 100

42 19.6 20.2 30.2#

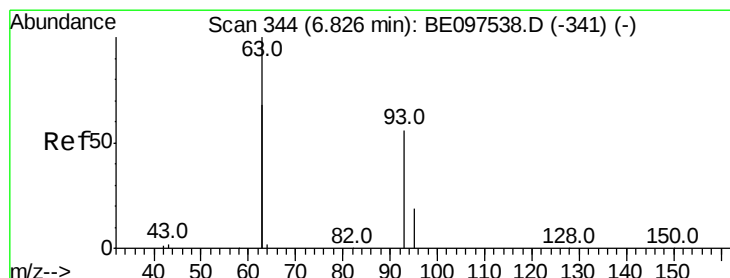
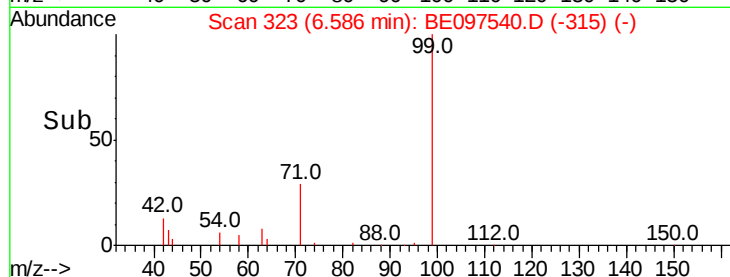
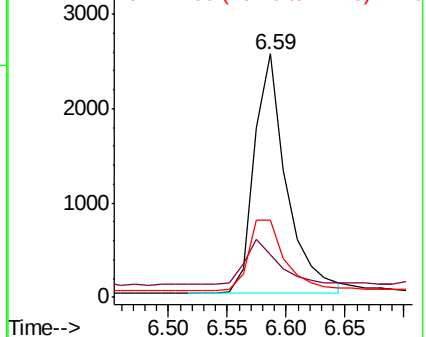
71 34.0 28.4 42.6



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: 1.620 ng

RT: 6.82 min Scan# 343

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

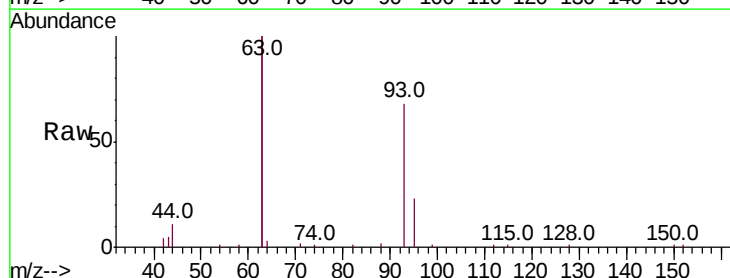
Tgt Ion: 93 Resp: 4362

Ion Ratio Lower Upper

93 100

63 314.9 275.3 412.9

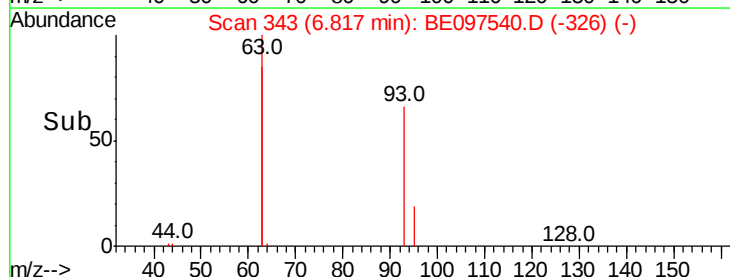
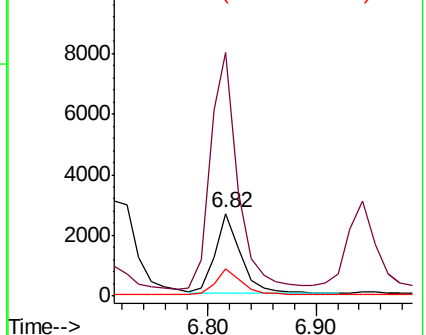
95 31.9 25.2 37.8



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: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3621

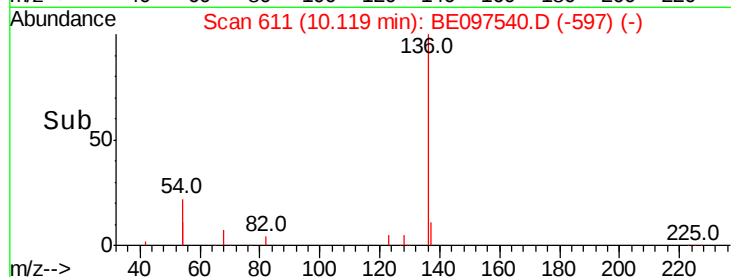
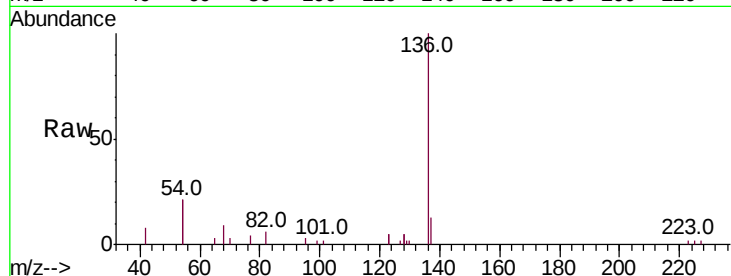
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 42.7 29.1 43.7

68 9.5 6.2 9.2#

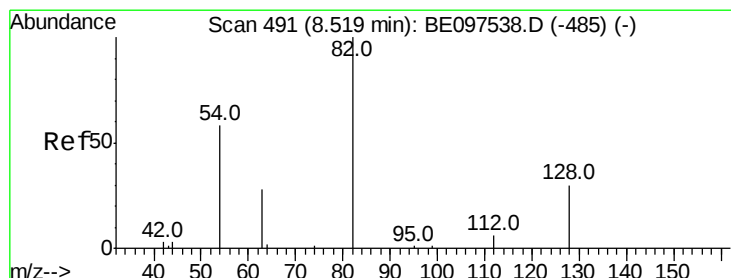
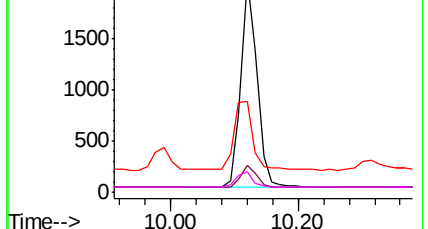


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.542 ng

RT: 8.51 min Scan# 490

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

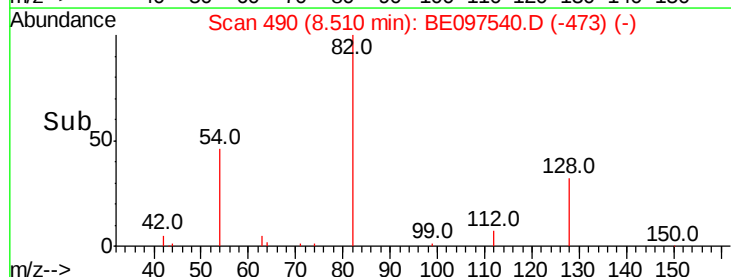
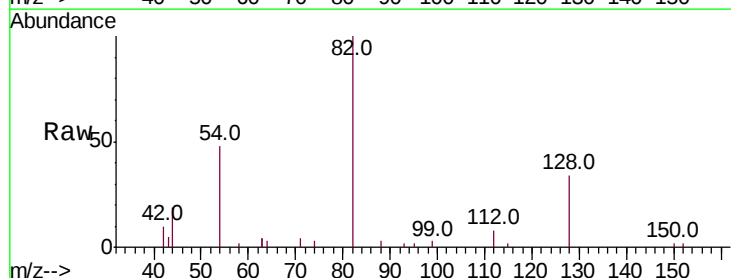
Tgt Ion: 82 Resp: 4492

Ion Ratio Lower Upper

82 100

128 33.9 24.0 36.0

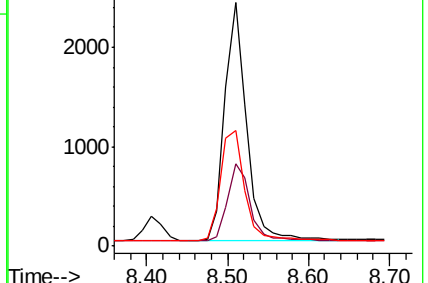
54 47.7 40.0 60.0



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: 1.577 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

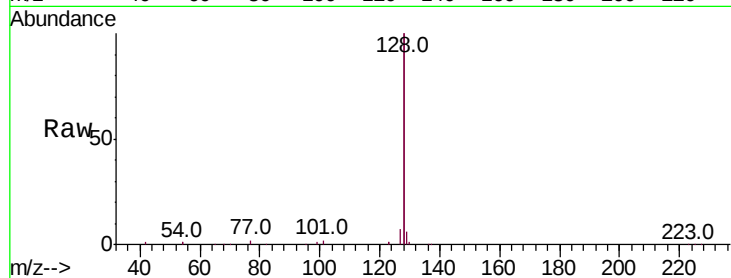
Tot Ion:128 Resp: 51853

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

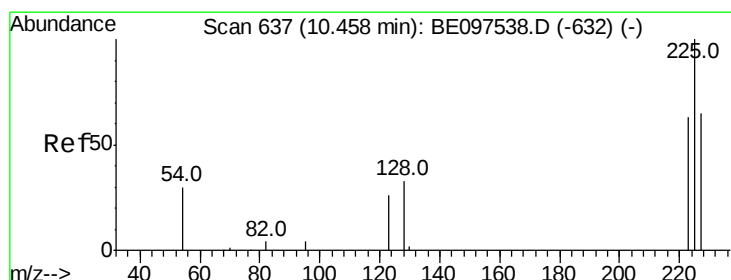
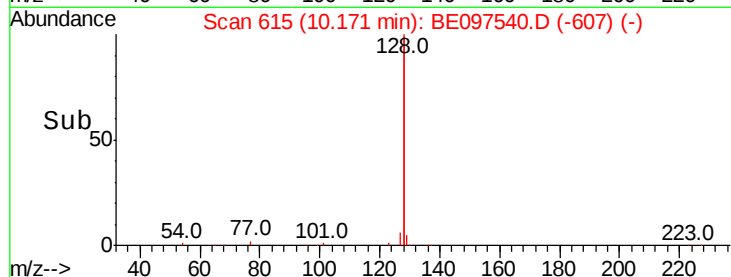
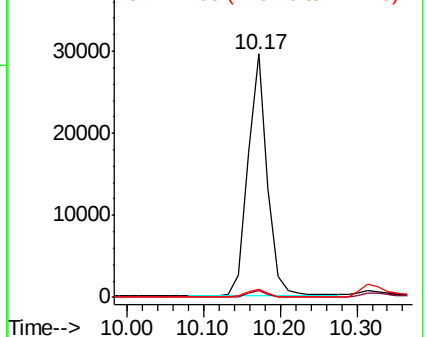
127 3.3 2.8 4.2



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: 1.520 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

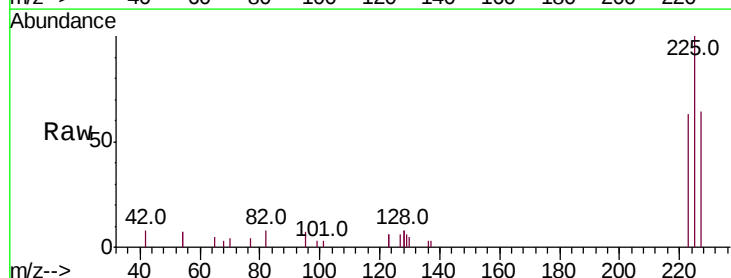
Tgt Ion:225 Resp: 2371

Ion Ratio Lower Upper

225 100

223 62.8 53.0 79.6

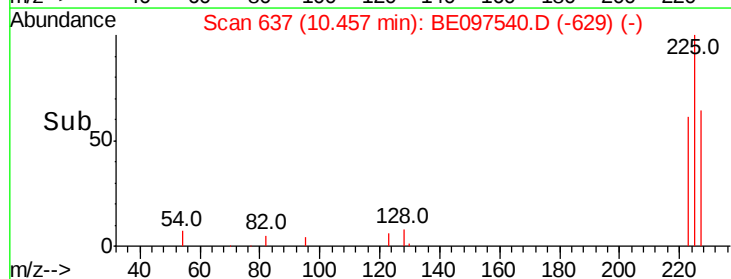
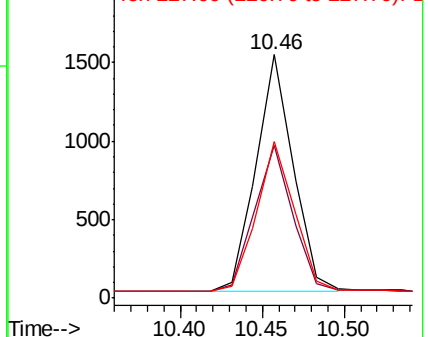
227 63.9 51.4 77.2

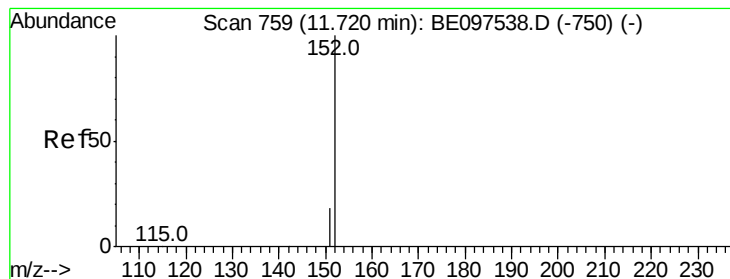


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 1.555 ng

RT: 11.71 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

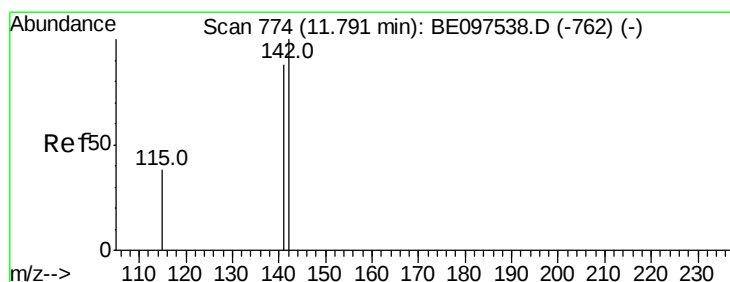
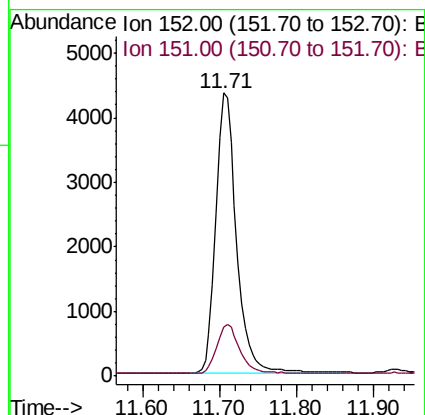
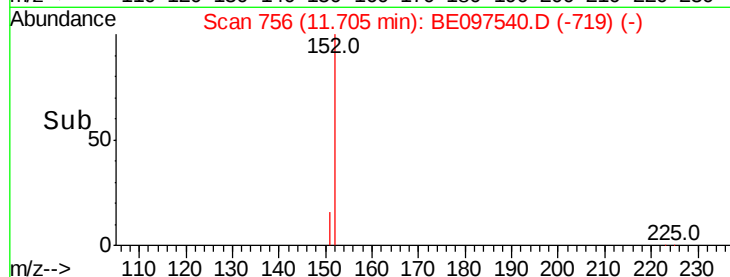
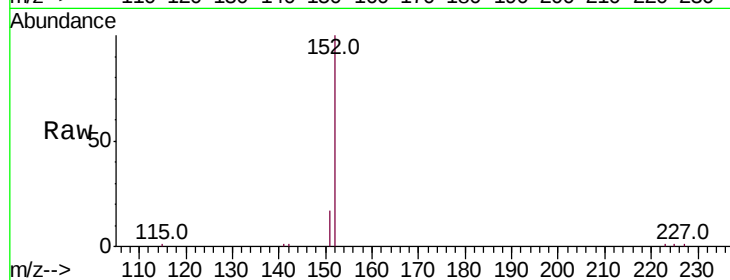
ClientSampled :

Tot Ion:152 Resp: 8046

Ion Ratio Lower Upper

152 100

151 18.9 15.4 23.0



#12

2-Methylnaphthalene

Concen: 1.585 ng

RT: 11.79 min Scan# 773

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

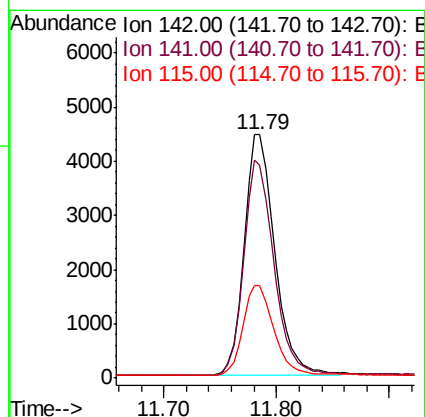
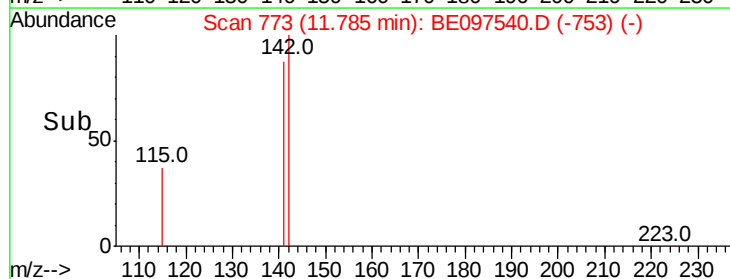
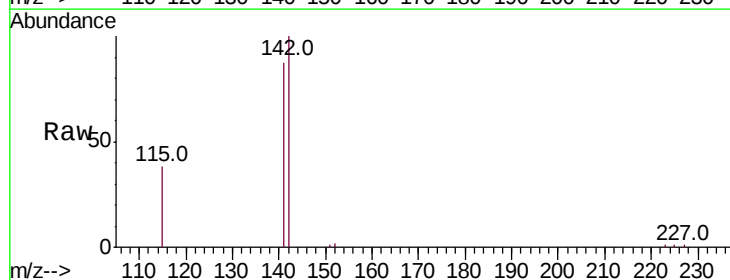
Tgt Ion:142 Resp: 8332

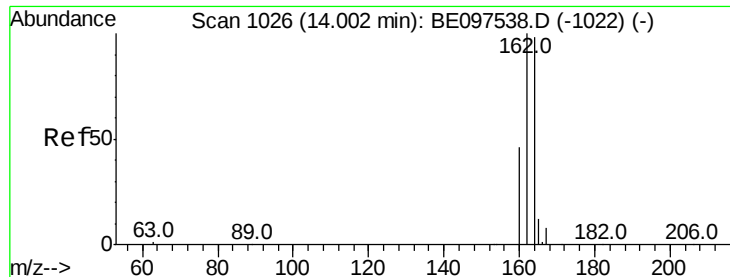
Ion Ratio Lower Upper

142 100

141 87.3 70.4 105.6

115 38.2 31.7 47.5

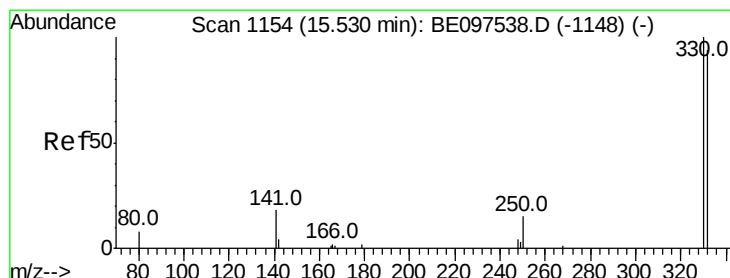
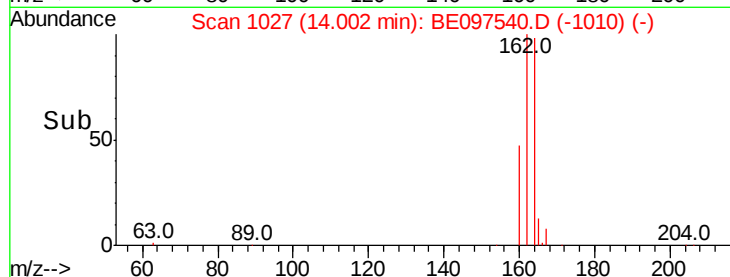
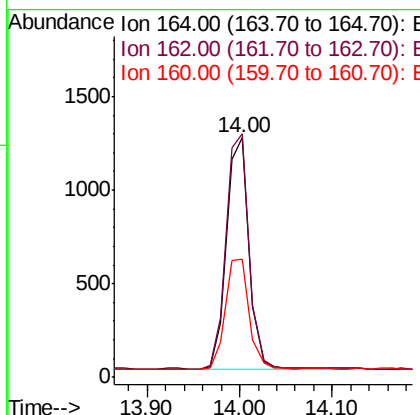
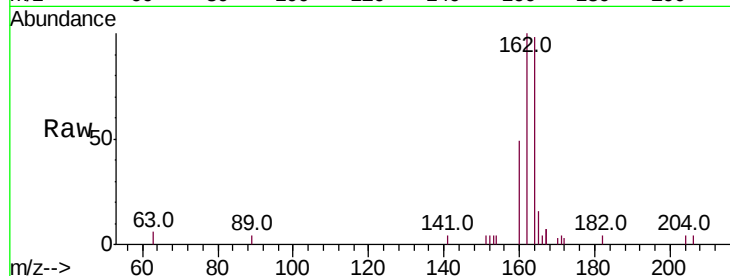




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE097540.D
 Acq: 19 Sep 2018 14:58

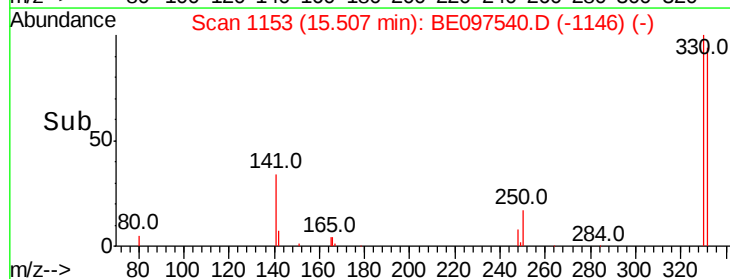
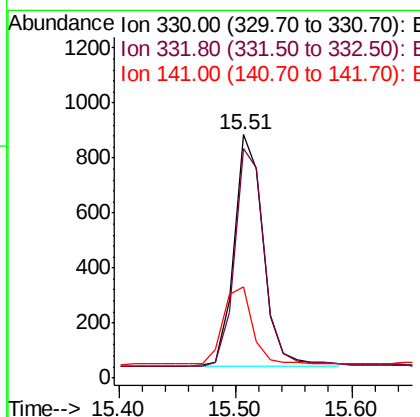
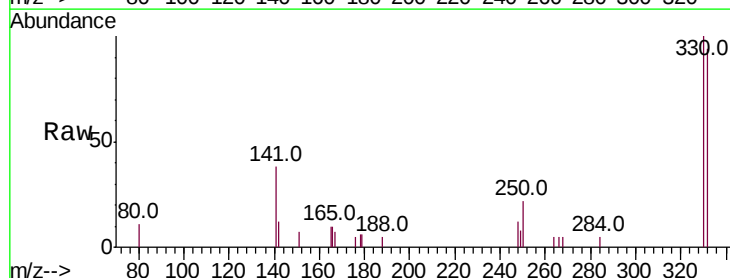
Instrument :
 BNA_E
 ClientSampleId :

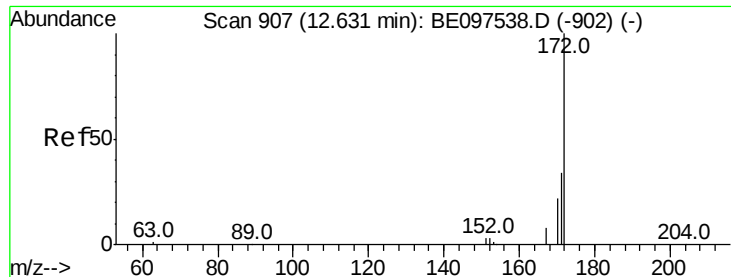
Tot Ion:164 Resp: 2089
 Ion Ratio Lower Upper
 164 100
 162 101.6 83.1 124.7
 160 49.3 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 1.321 ng
 RT: 15.51 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: BE097540.D
 Acq: 19 Sep 2018 14:58

Tgt Ion:330 Resp: 1457
 Ion Ratio Lower Upper
 330 100
 332 95.9 152.7 229.1#
 141 33.8 33.7 50.5

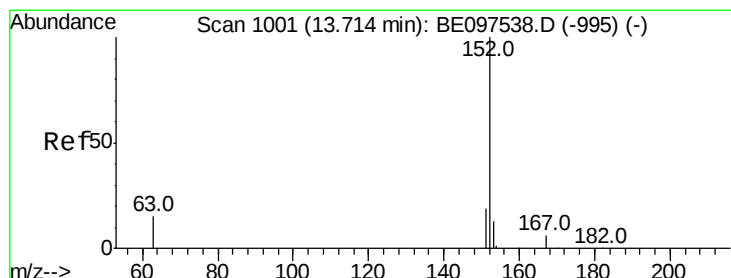
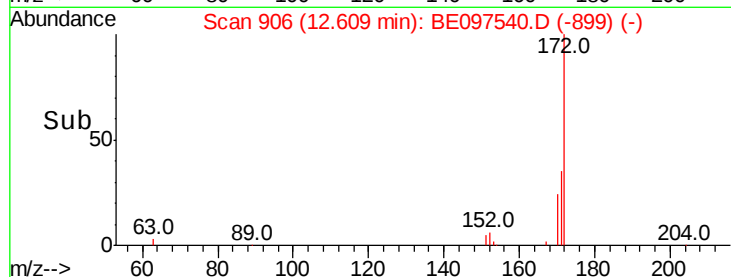
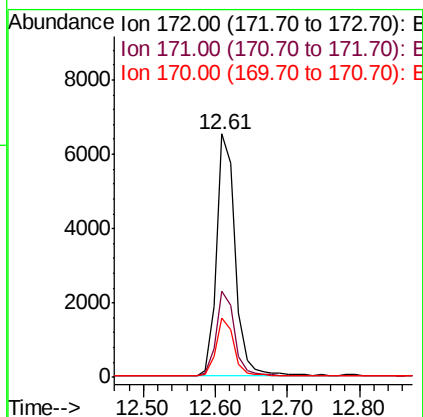
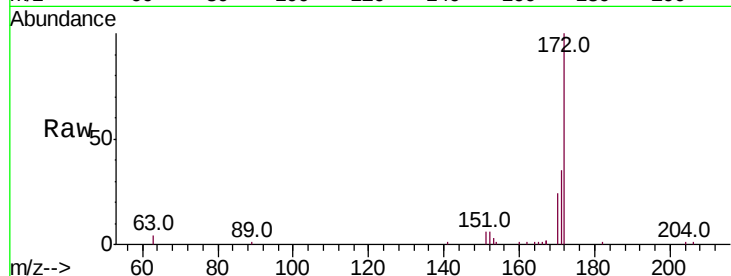




#15
2-Fluorobiphenyl
Concen: 1.596 ng
RT: 12.61 min Scan# 906
Delta R.T. -0.02 min
Lab File: BE097540.D
Acq: 19 Sep 2018 14:58

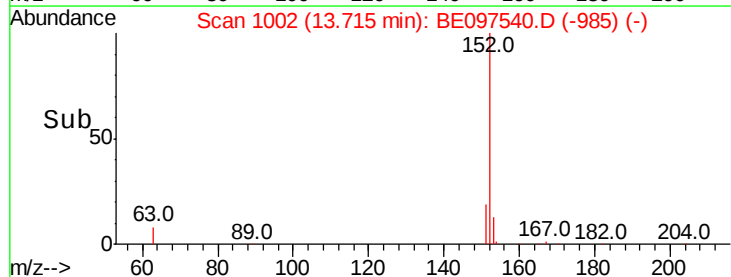
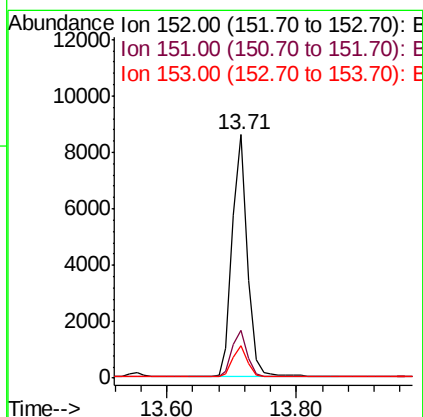
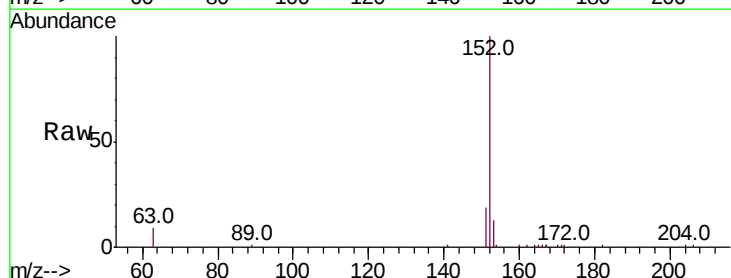
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 11646
Ion Ratio Lower Upper
172 100
171 35.5 29.9 44.9
170 24.5 21.8 32.8



#16
Acenaphthylene
Concen: 1.515 ng
RT: 13.71 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE097540.D
Acq: 19 Sep 2018 14:58

Tgt Ion:152 Resp: 13766
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 1.589 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

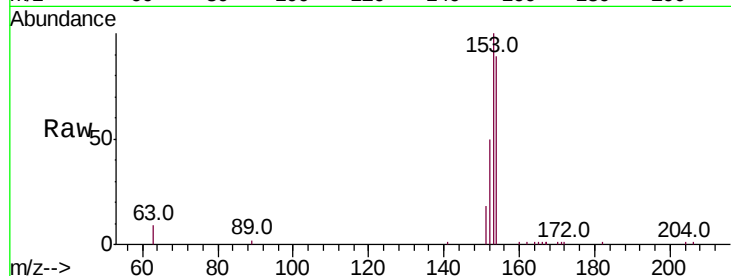
Tot Ion:154 Resp: 8913

Ion Ratio Lower Upper

154 100

153 113.3 89.2 133.8

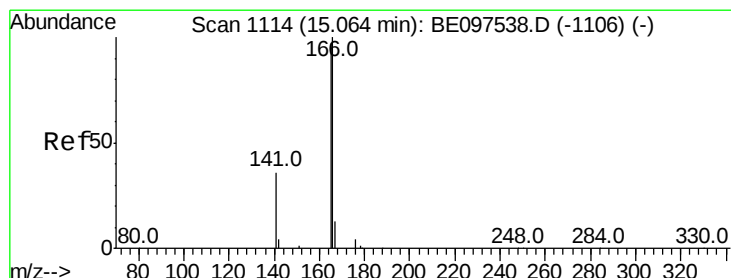
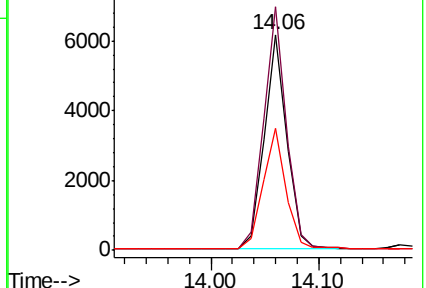
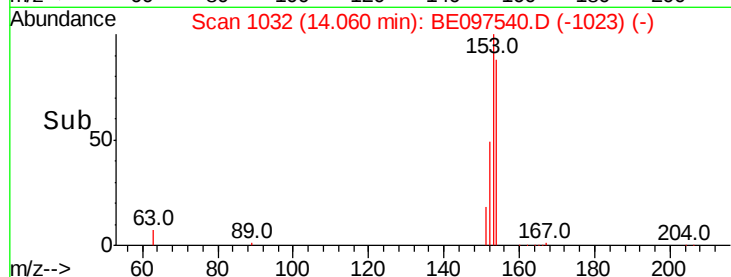
152 56.0 42.0 63.0



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: 1.633 ng

RT: 15.05 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

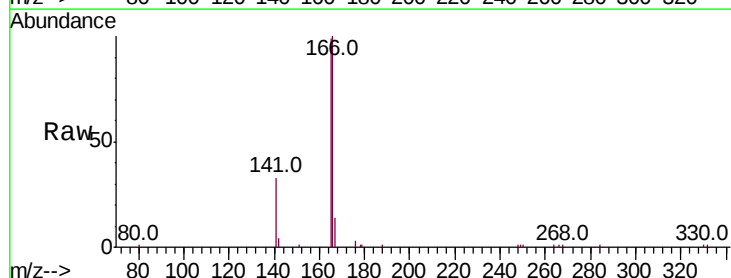
Tgt Ion:166 Resp: 11674

Ion Ratio Lower Upper

166 100

165 98.4 77.8 116.6

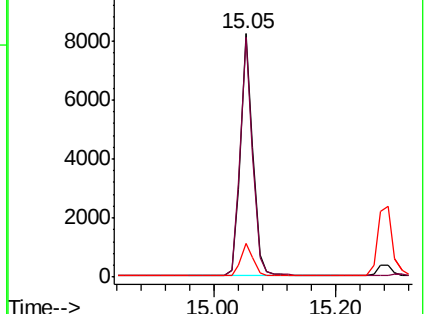
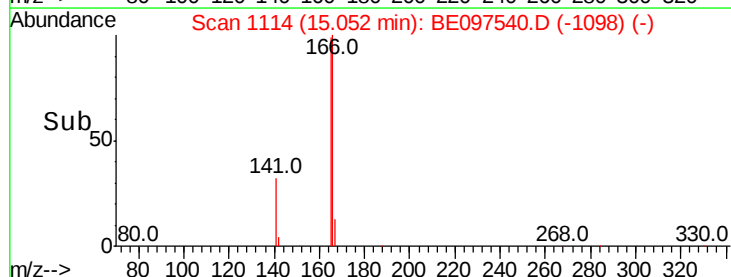
167 13.7 42.4 63.6#



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: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampled :

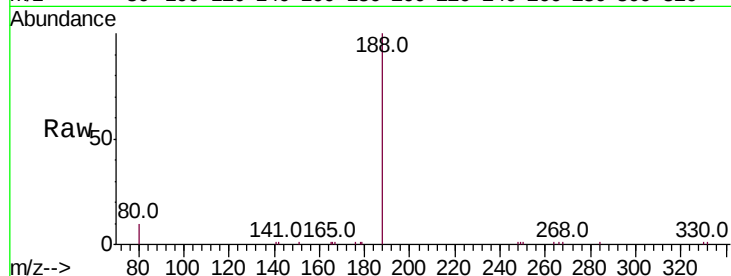
Tot Ion:188 Resp: 5928

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

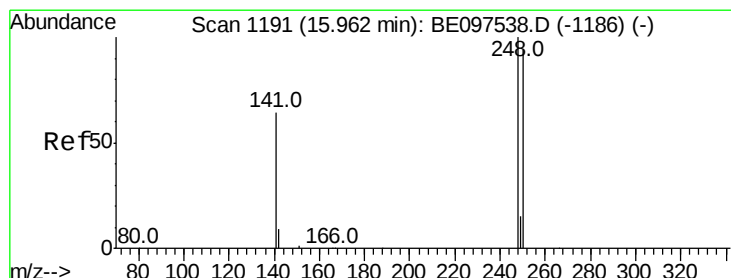
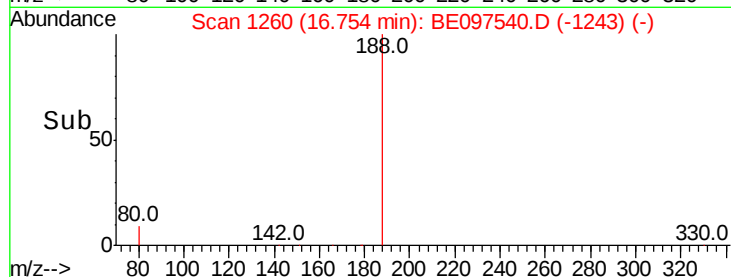
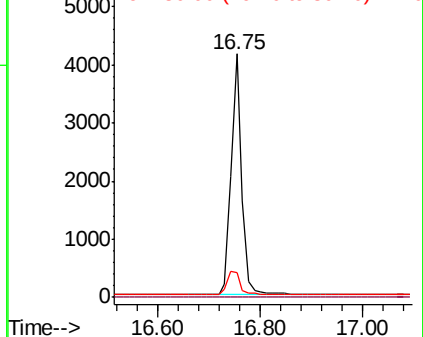
80 10.0 3.6 5.4#



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: 1.494 ng

RT: 15.95 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

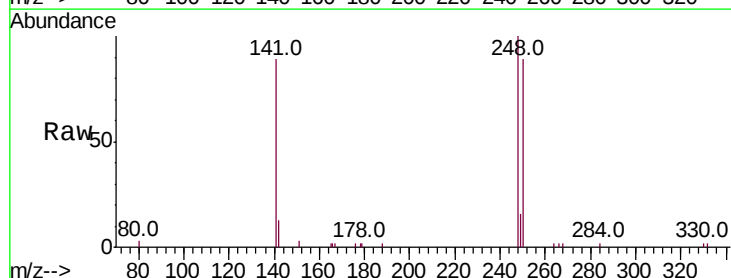
Tgt Ion:248 Resp: 4275

Ion Ratio Lower Upper

248 100

250 88.7 62.7 94.1

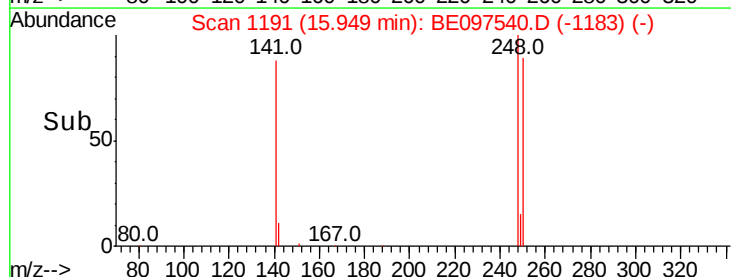
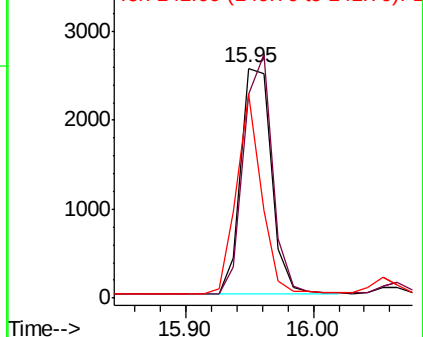
141 88.8 48.2 72.2#



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: 1.555 ng

RT: 16.07 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

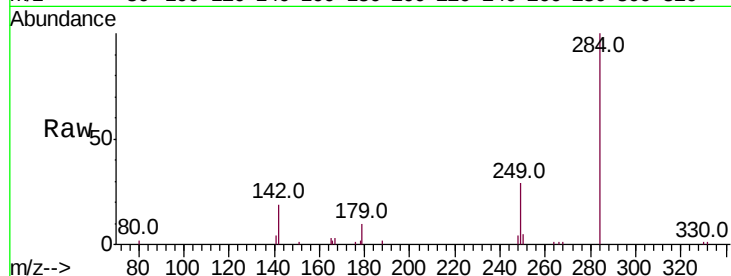
Tot Ion:284 Resp: 4718

Ion Ratio Lower Upper

284 100

142 31.8 22.1 33.1

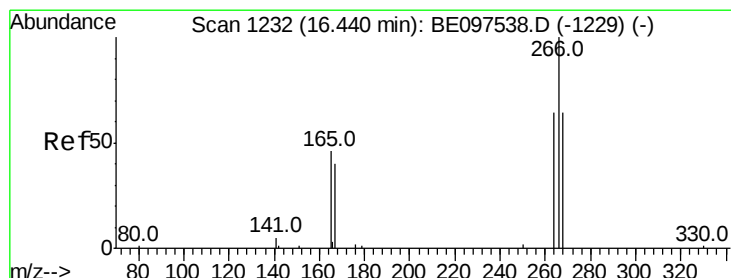
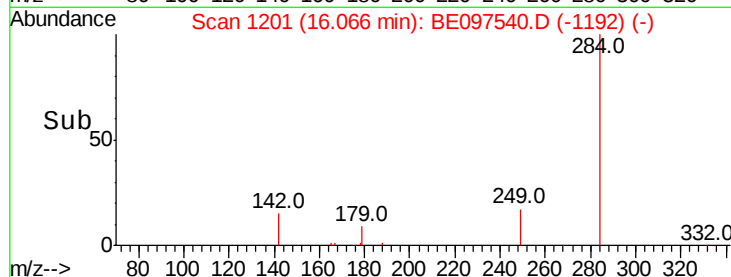
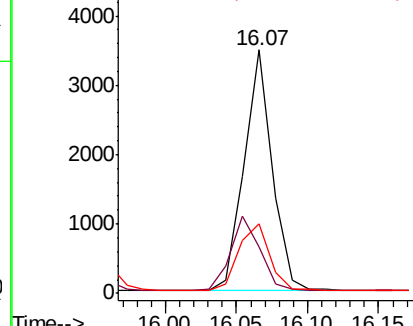
249 30.3 34.8 52.2#



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: 3.276 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

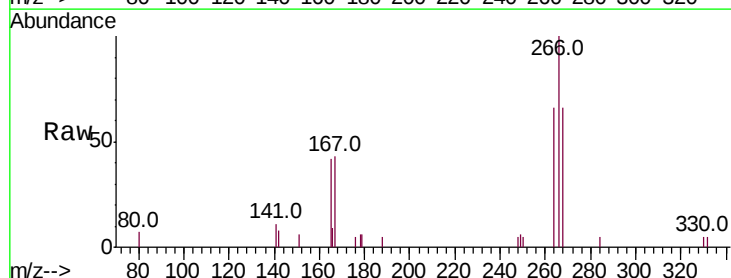
Tgt Ion:266 Resp: 1726

Ion Ratio Lower Upper

266 100

264 65.5 72.5 108.7#

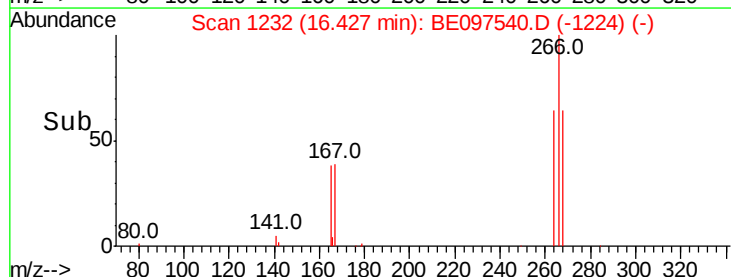
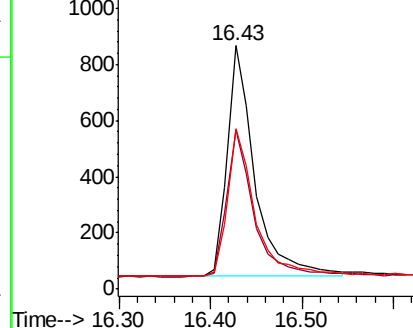
268 65.9 73.8 110.6#



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

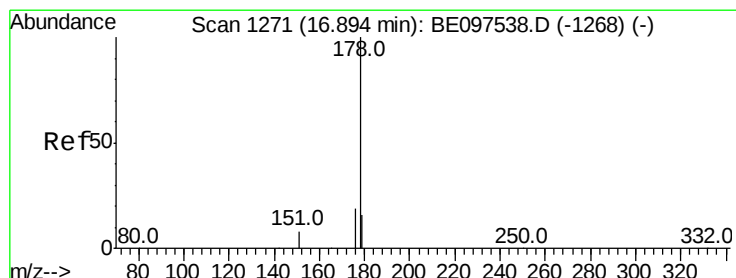
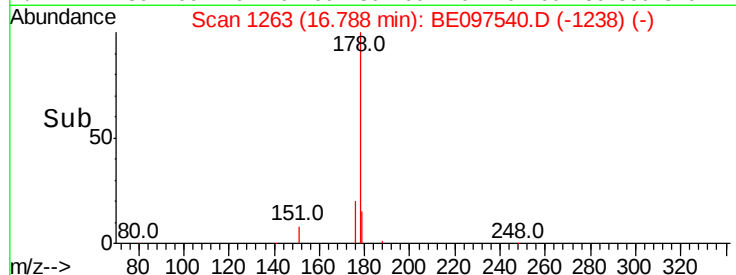
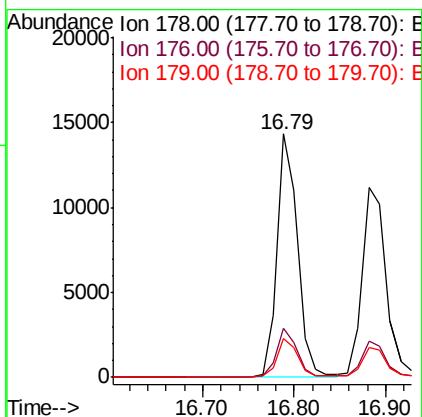
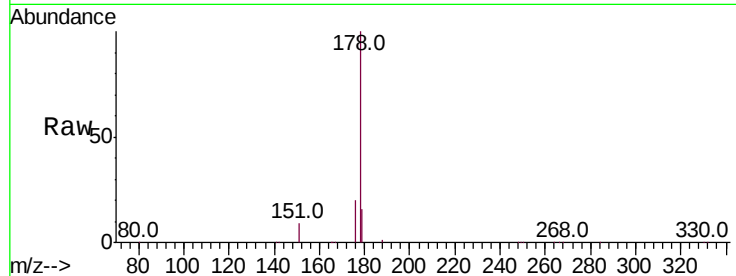




#23
Phenanthrene
Concen: 1.603 ng
RT: 16.79 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BE097540.D
Acq: 19 Sep 2018 14:58

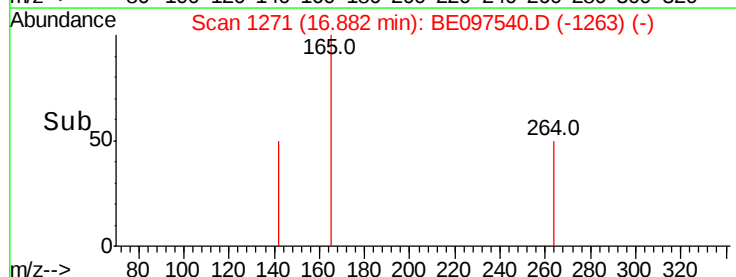
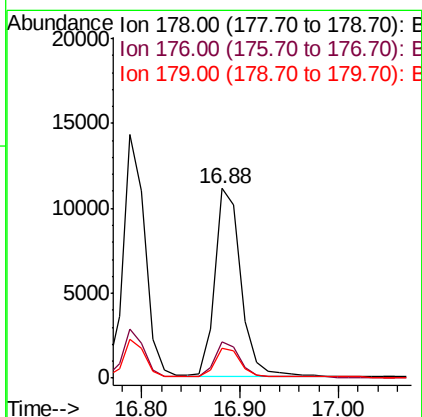
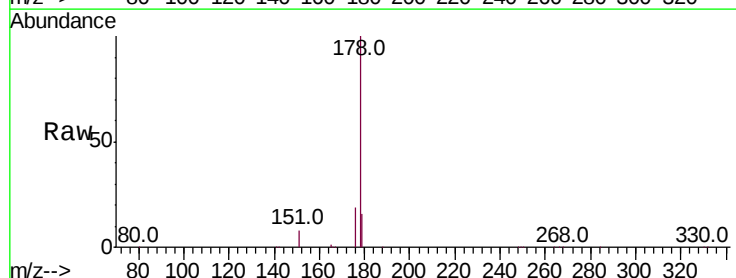
Instrument :
BNA_E
ClientSampleId :

Tot Ion:178 Resp: 22345
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.5 11.8 17.6



#24
Anthracene
Concen: 1.573 ng
RT: 16.88 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BE097540.D
Acq: 19 Sep 2018 14:58

Tgt Ion:178 Resp: 20246
Ion Ratio Lower Upper
178 100
176 18.3 12.8 19.2
179 15.2 13.0 19.6





#25

Fluoranthene-d10

Concen: 1.677 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

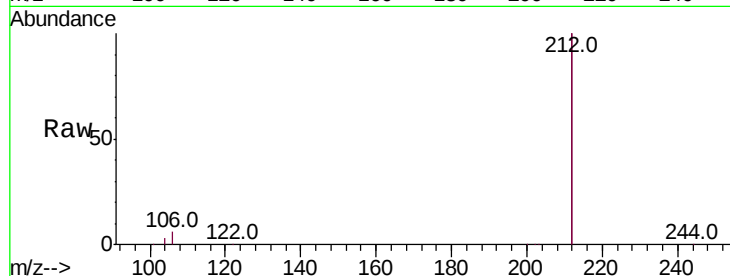
Tot Ion:212 Resp: 119469

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

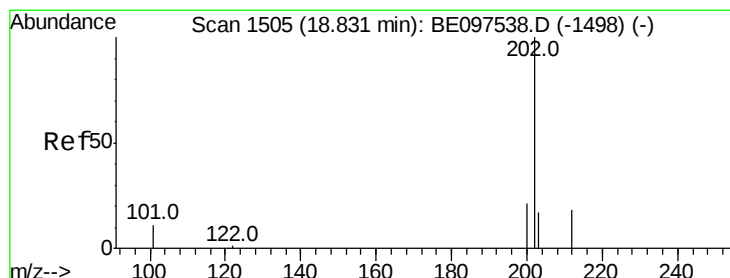
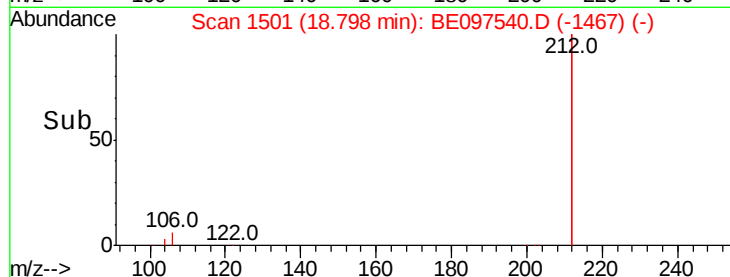
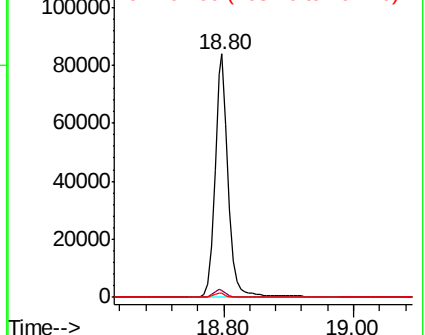
104 1.7 1.6 2.4



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: 1.737 ng

RT: 18.83 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

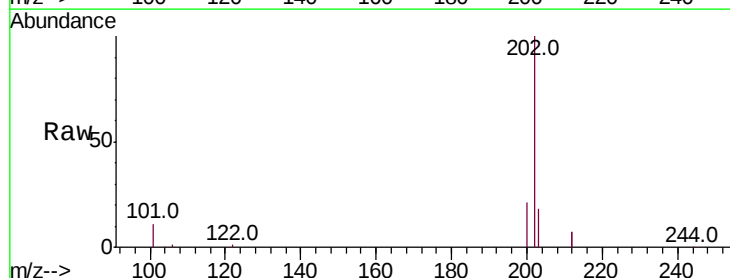
Tgt Ion:202 Resp: 31583

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

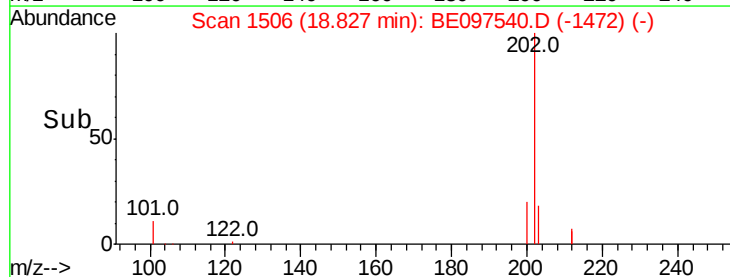
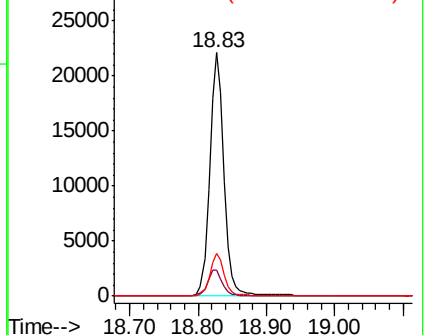
203 17.4 13.7 20.5



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

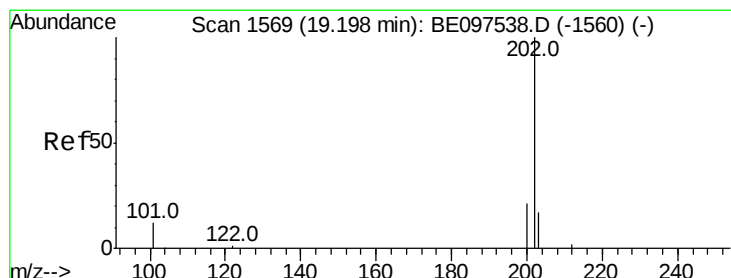
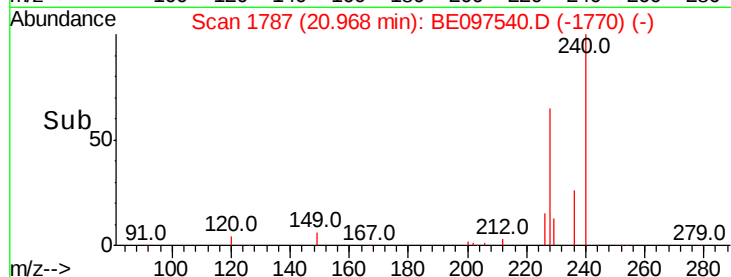
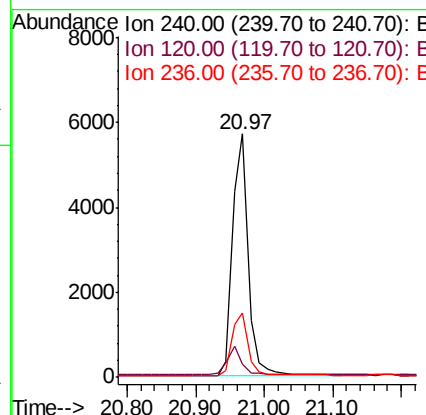
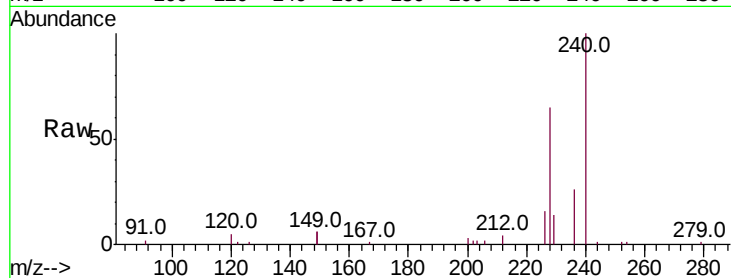




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097540.D
 Acq: 19 Sep 2018 14:58

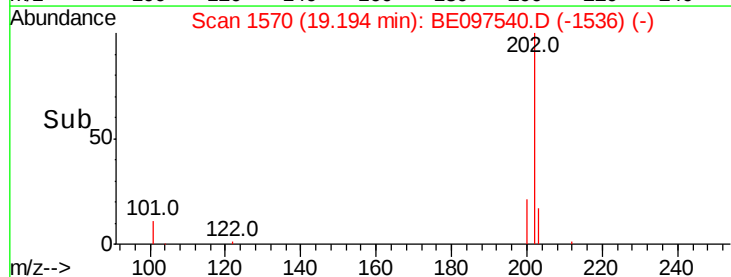
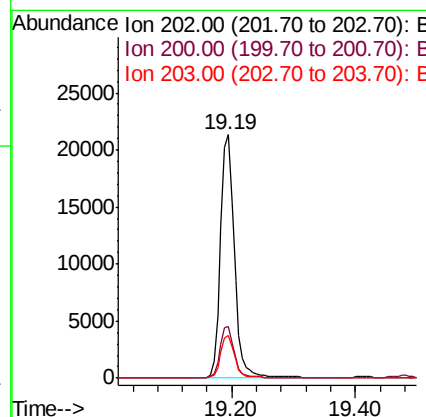
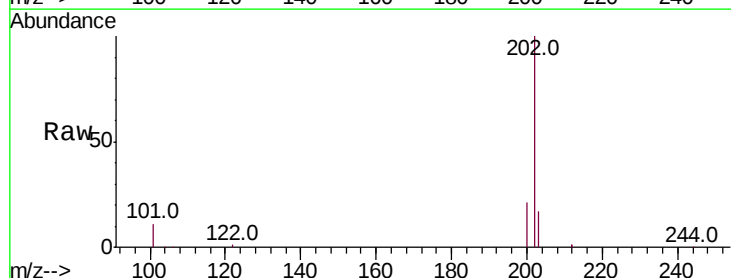
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 8931
 Ion Ratio Lower Upper
 240 100
 120 5.3 5.5 8.3#
 236 26.2 20.7 31.1



#28
 Pyrene
 Concen: 1.420 ng
 RT: 19.19 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BE097540.D
 Acq: 19 Sep 2018 14:58

Tgt Ion:202 Resp: 32631
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.6 25.0
 203 17.3 13.8 20.8





#29

Terphenyl-d14

Concen: 1.517 ng

RT: 19.41 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

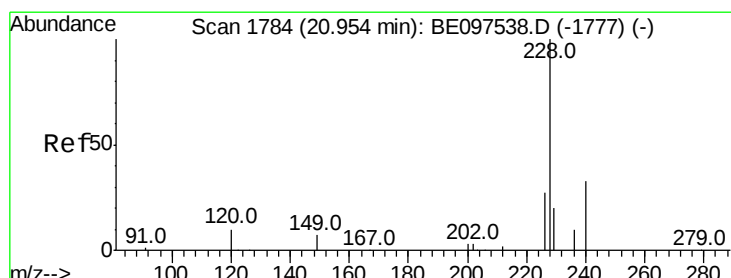
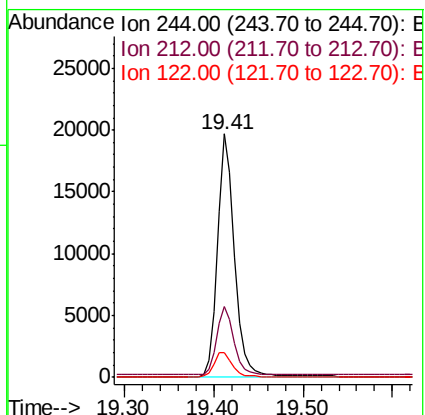
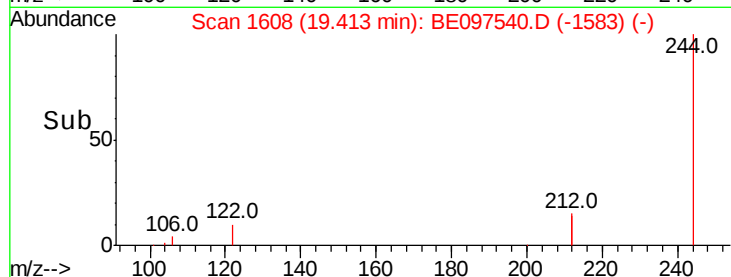
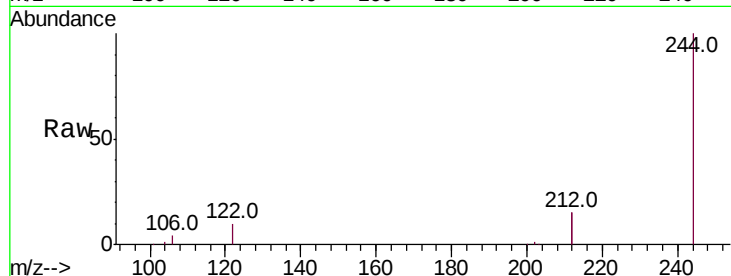
Tot Ion:244 Resp: 25913

Ion Ratio Lower Upper

244 100

212 29.3 25.4 38.0

122 10.3 8.1 12.1



#30

Benzo(a)anthracene

Concen: 1.581 ng

RT: 20.94 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

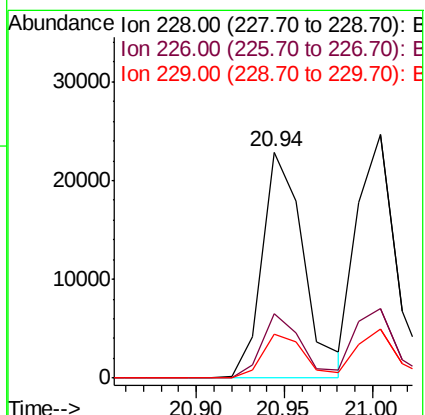
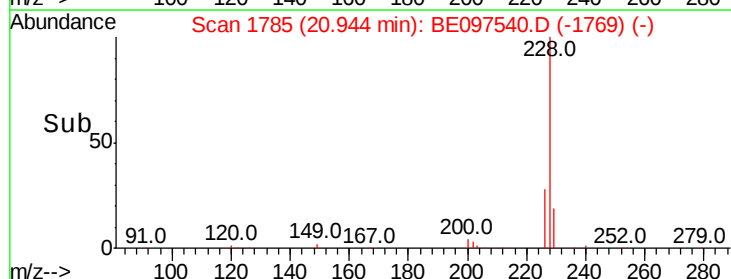
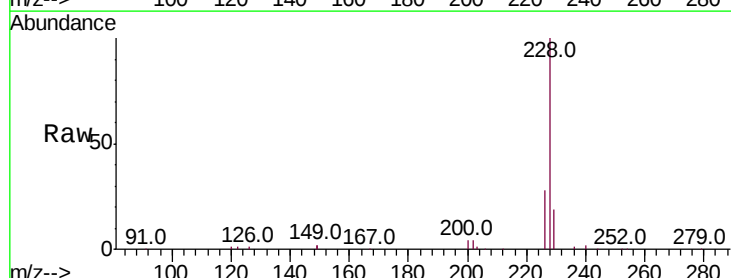
Tgt Ion:228 Resp: 37130

Ion Ratio Lower Upper

228 100

226 28.3 24.0 36.0

229 19.2 16.0 24.0





#31

Chrysene

Concen: 1.544 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

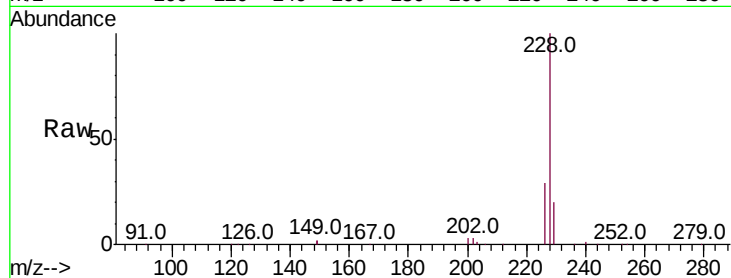
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 37206

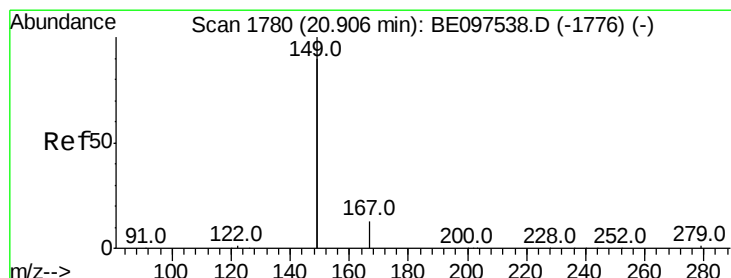
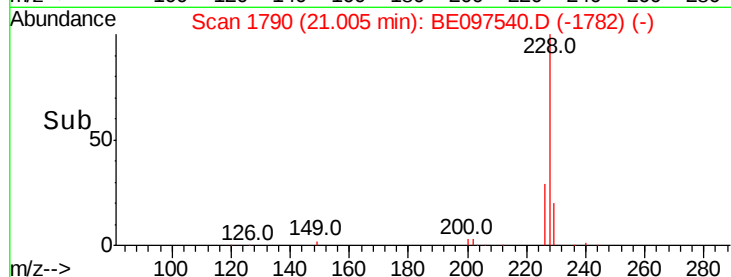
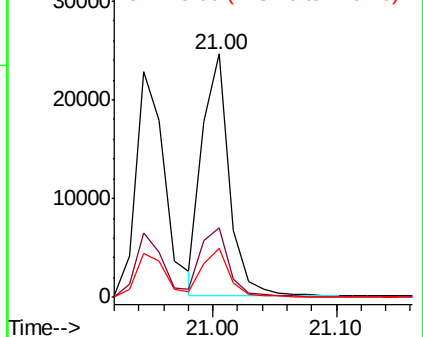
Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.0	36.0
229	19.9	16.0	24.0



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: 1.116 ng

RT: 20.91 min Scan# 1782

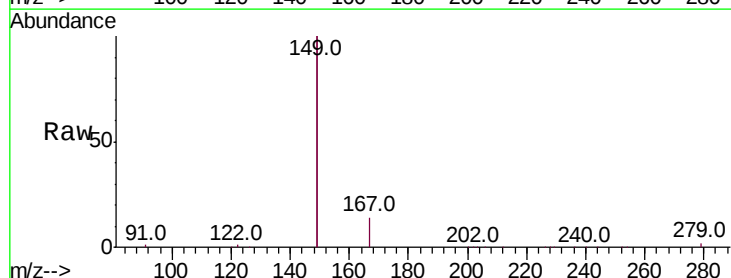
Delta R.T. 0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Tgt Ion:149 Resp: 55712

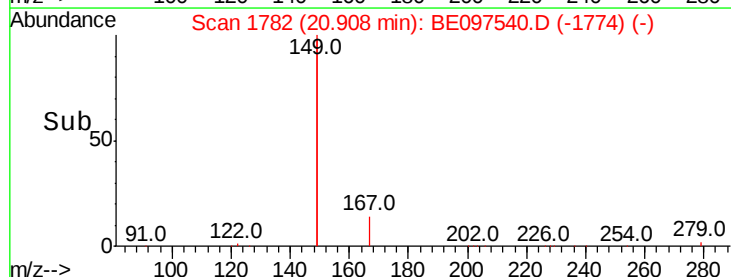
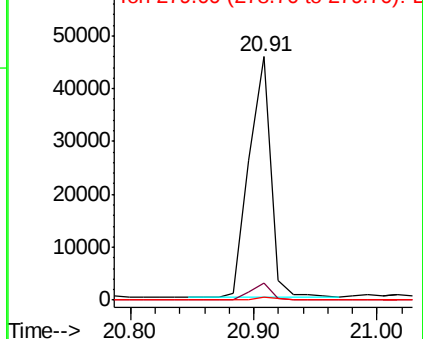
Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	1.0	0.7	1.1



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





#33

Indeno(1,2,3-cd)pyrene

Concen: 1.583 ng

RT: 25.49 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

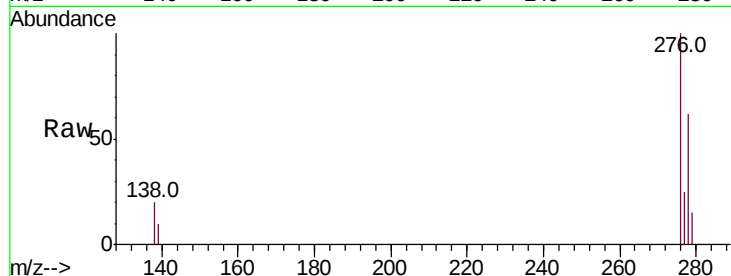
Tot Ion:276 Resp: 45473

Ion Ratio Lower Upper

276 100

138 20.4 22.5 33.7#

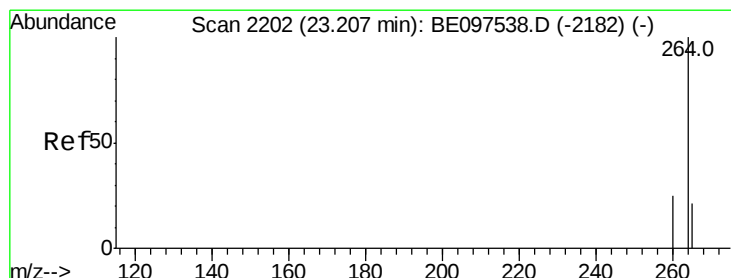
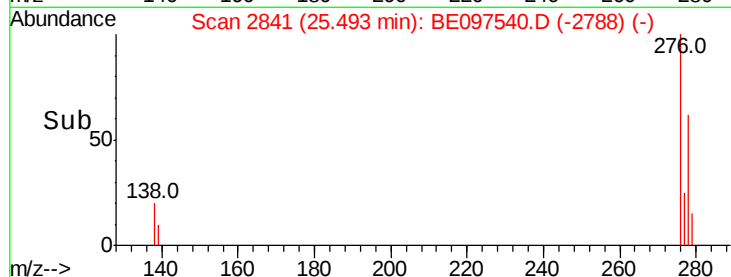
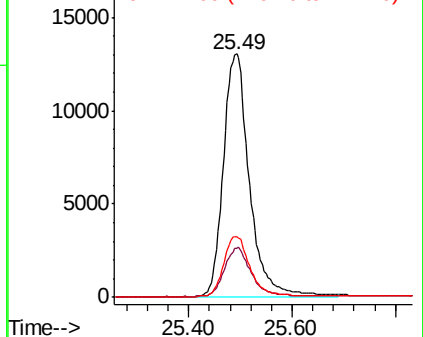
277 25.2 19.9 29.9



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: 23.20 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

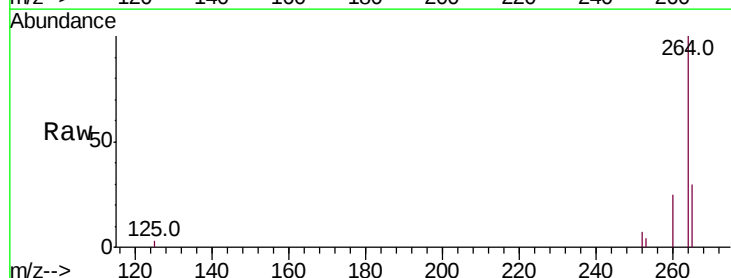
Tgt Ion:264 Resp: 8622

Ion Ratio Lower Upper

264 100

260 25.2 20.5 30.7

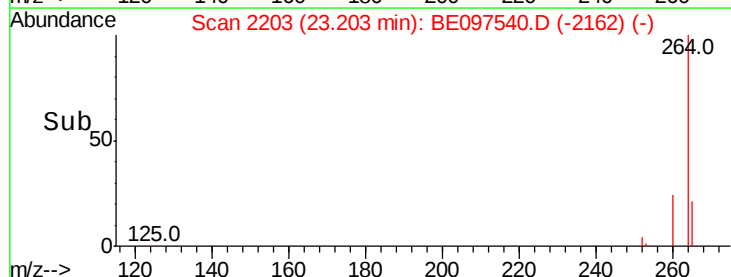
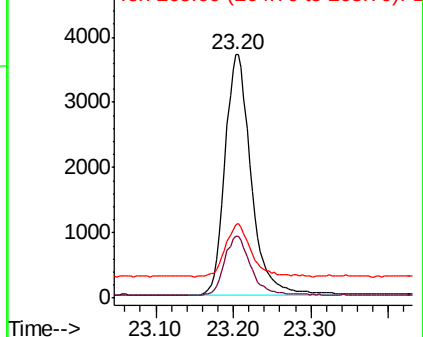
265 29.9 22.8 34.2

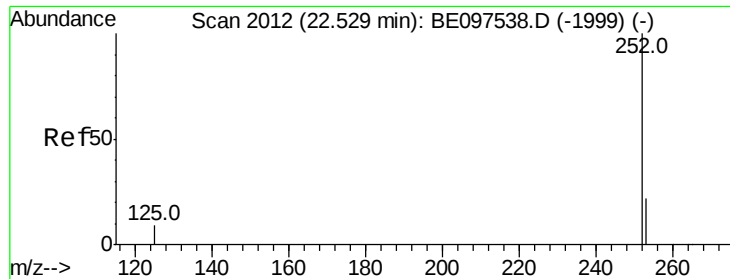


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.651 ng

RT: 22.53 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

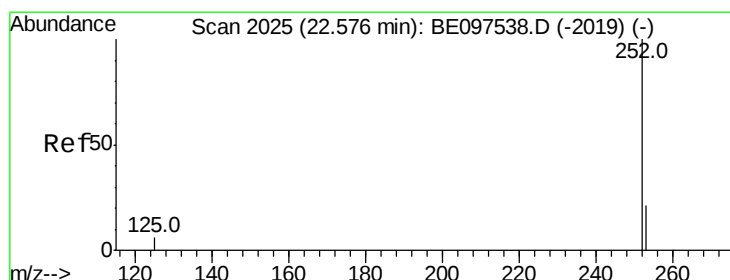
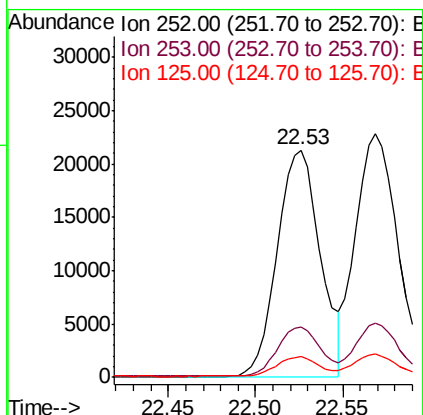
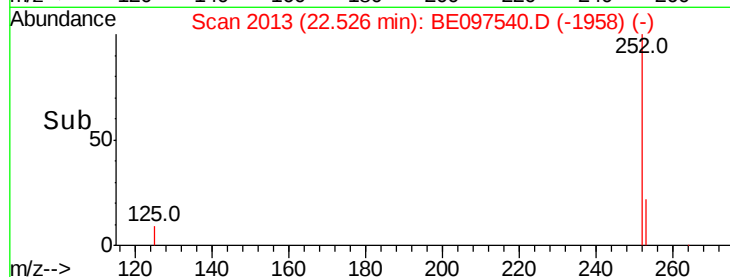
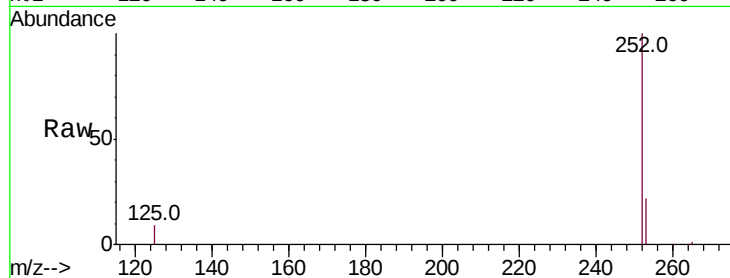
Tot Ion:252 Resp: 36389

Ion Ratio Lower Upper

252 100

253 22.0 20.0 30.0

125 9.0 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 1.667 ng

RT: 22.57 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

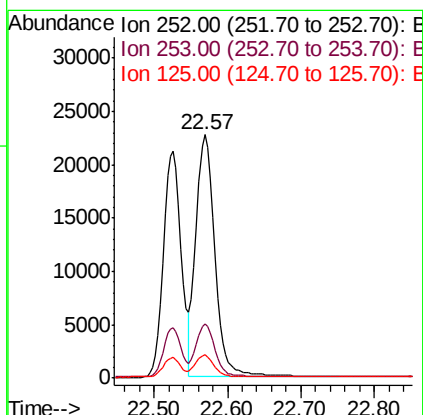
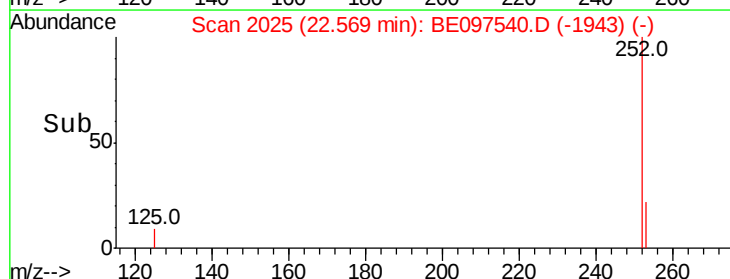
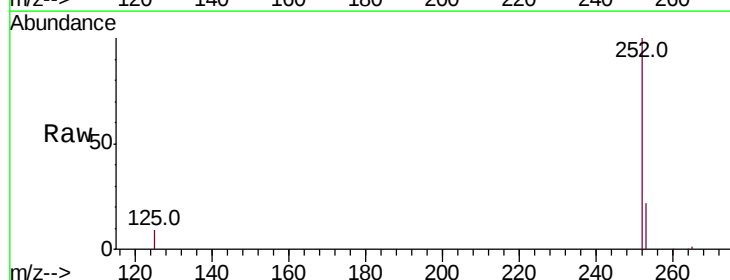
Tgt Ion:252 Resp: 40091

Ion Ratio Lower Upper

252 100

253 22.3 16.0 24.0

125 9.4 8.0 12.0





#37

Benzo(a)pyrene

Concen: 1.595 ng

RT: 23.10 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

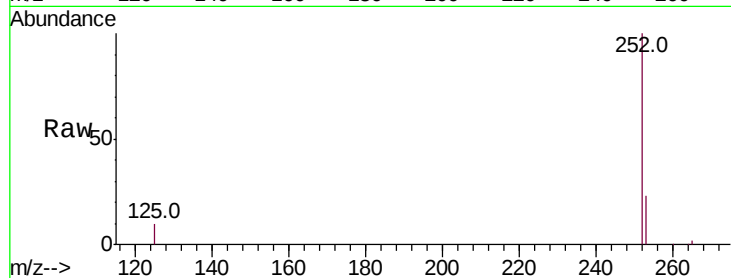
Tot Ion:252 Resp: 34933

Ion Ratio Lower Upper

252 100

253 22.7 16.0 24.0

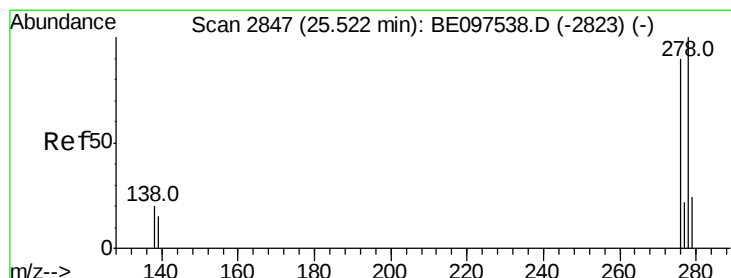
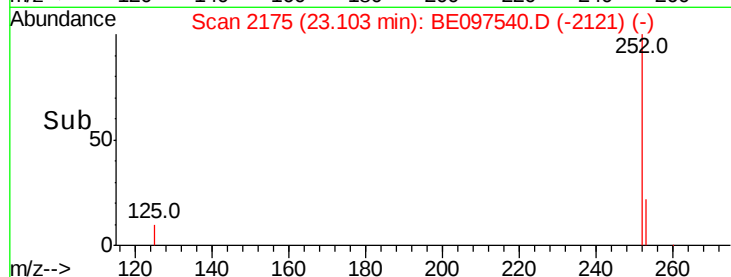
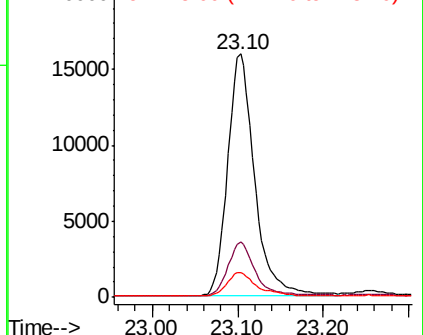
125 10.2 12.0 18.0#



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: 1.682 ng

RT: 25.51 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

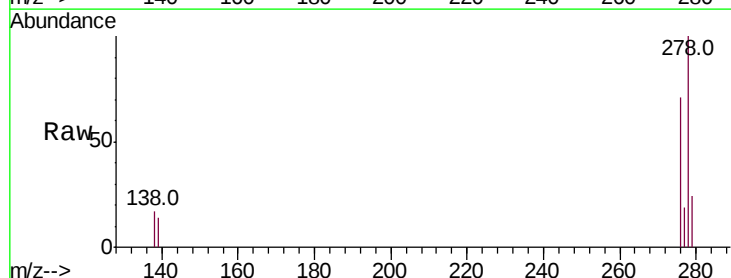
Tgt Ion:278 Resp: 38419

Ion Ratio Lower Upper

278 100

139 13.7 16.0 24.0#

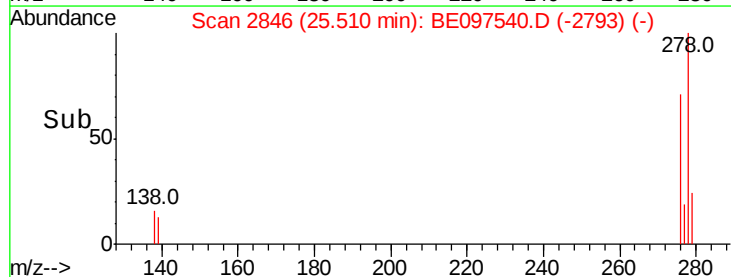
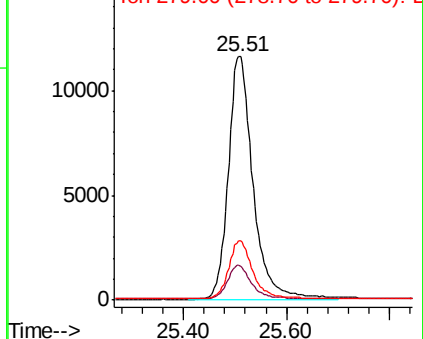
279 24.1 20.0 30.0



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: 1.600 ng

RT: 26.19 min Scan# 3037

Delta R.T. -0.01 min

Lab File: BE097540.D

Acq: 19 Sep 2018 14:58

Instrument :

BNA_E

ClientSampleId :

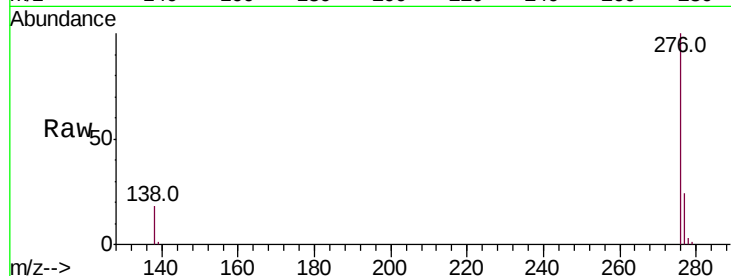
Tot Ion:276 Resp: 37340

Ion Ratio Lower Upper

276 100

277 23.7 16.0 24.0

138 17.6 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

