

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097536.D
 Acq On : 19 Sep 2018 12:29
 Operator : SJ/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 19 15:48:19 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	778	0.40	ng	-0.01
7) Naphthalene-d8	10.12	136	3613	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	1996	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5848	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9384	0.40	ng	0.00
34) Perylene-d12	23.20	264	9923	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	287	0.11	ng	0.00
5) Phenol-d6	6.61	99	348	0.10	ng	0.01
8) Nitrobenzene-d5	8.53	82	325	0.11	ng	0.01
11) 2-Methylnaphthalene-d10	11.72	152	520	0.10	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	99	0.09	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	812	0.12	ng	0.00
25) Fluoranthene-d10	18.80	212	8243	0.12	ng	0.00
29) Terphenyl-d14	19.42	244	1976	0.11	ng	0.00

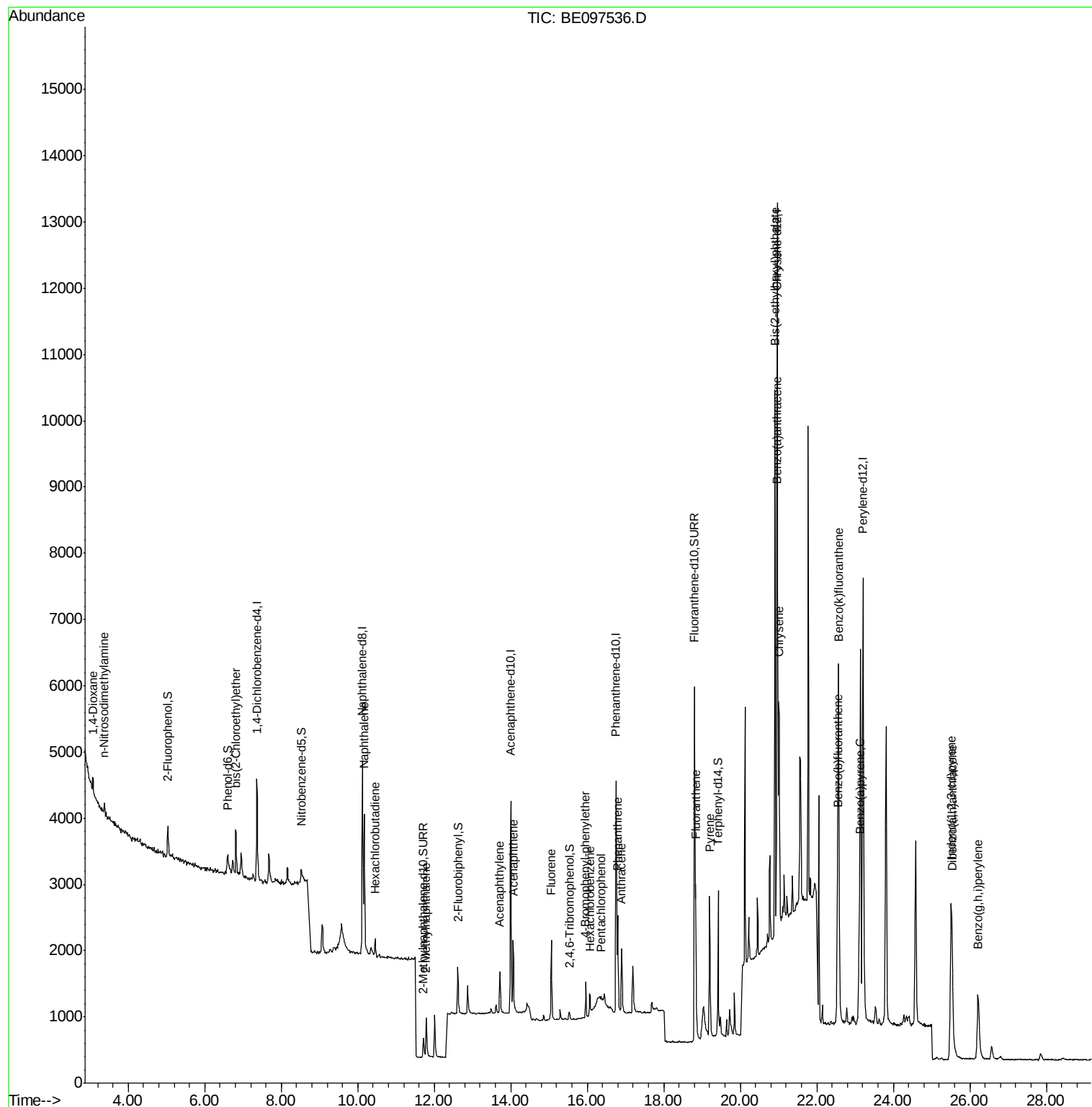
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	189	0.140	ng	# 79
3) n-Nitrosodimethylamine	3.37	42	177	0.157	ng	# 76
6) bis(2-Chloroethyl)ether	6.83	93	331	0.124	ng	75
9) Naphthalene	10.17	128	3559	0.109	ng	# 95
10) Hexachlorobutadiene	10.46	225	168	0.108	ng	95
12) 2-Methylnaphthalene	11.79	142	557	0.106	ng	# 92
16) Acenaphthylene	13.72	152	824	0.095	ng	95
17) Acenaphthene	14.06	154	574	0.107	ng	97
18) Fluorene	15.06	166	751	0.110	ng	# 80
20) 4-Bromophenyl-phenylether	15.96	248	278	0.098	ng	# 78
21) Hexachlorobenzene	16.08	284	306	0.102	ng	# 83
22) Pentachlorophenol	16.37	266	4	0.008	ng	95
23) Phenanthrene	16.80	178	1536	0.112	ng	99
24) Anthracene	16.89	178	1379	0.109	ng	97
26) Fluoranthene	18.83	202	2105	0.117	ng	98
28) Pyrene	19.20	202	2313	0.096	ng	99
30) Benzo(a)anthracene	20.95	228	2673	0.108	ng	98
31) Chrysene	21.00	228	2825	0.112	ng	95
32) Bis(2-ethylhexyl)phthalate	20.91	149	9337	0.178	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.51	276	3354	0.111	ng	98
35) Benzo(b)fluoranthene	22.54	252	2766	0.109	ng	# 77
36) Benzo(k)fluoranthene	22.58	252	3319	0.120	ng	# 1
37) Benzo(a)pyrene	23.11	252	3388	0.134	ng	# 54
38) Dibenzo(a,h)anthracene	25.54	278	2787	0.106	ng	# 90
39) Benzo(g,h,i)perylene	26.21	276	2647	0.099	ng	# 90

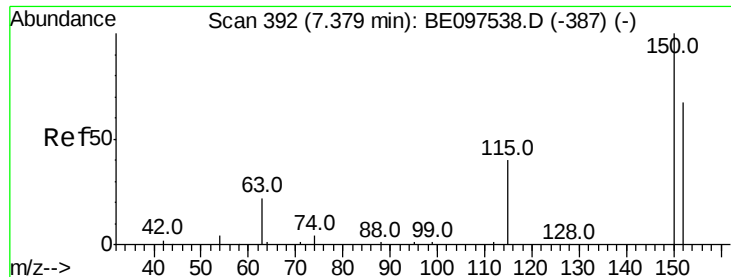
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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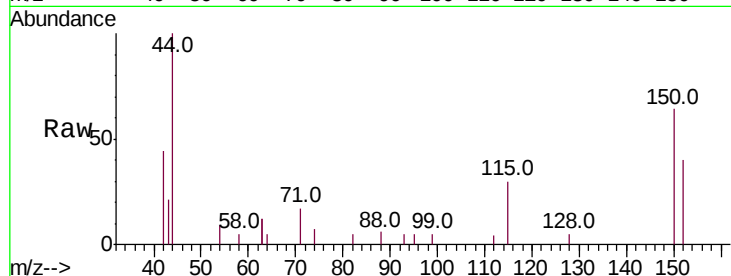


#1

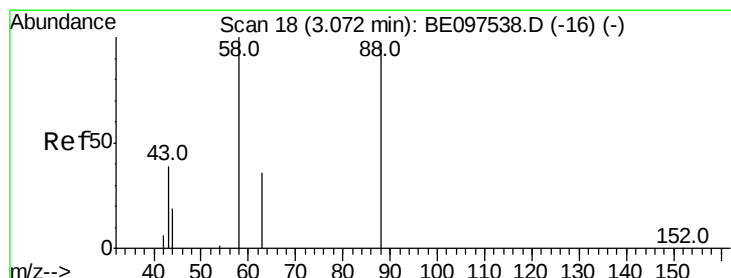
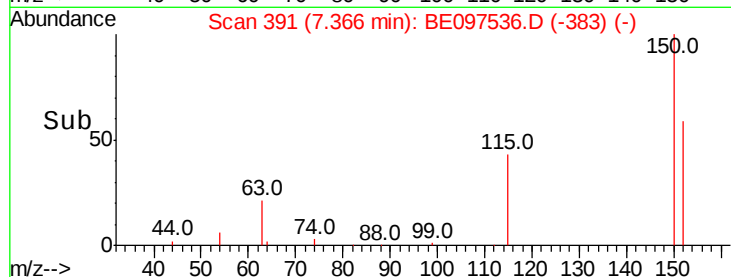
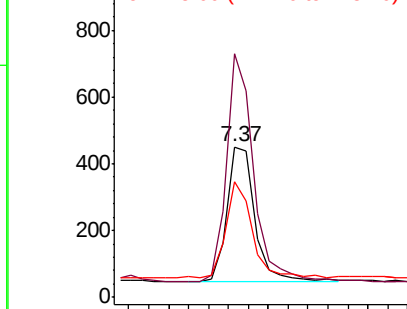
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097536.D
Acq: 19 Sep 2018 12:29

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 778
Ion Ratio Lower Upper
152 100
150 162.0 117.2 175.8
115 76.7 57.0 85.6



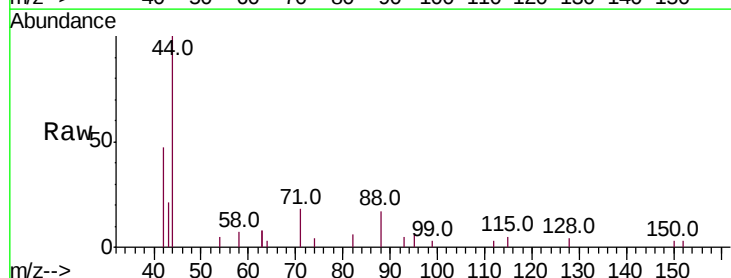
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



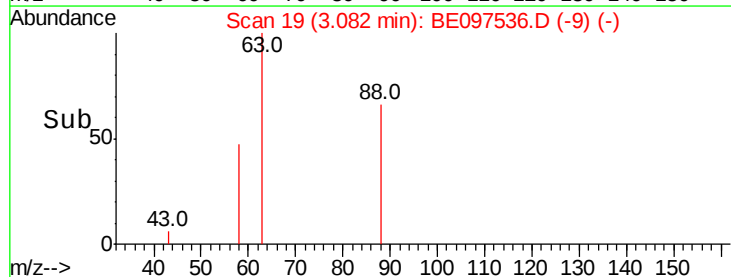
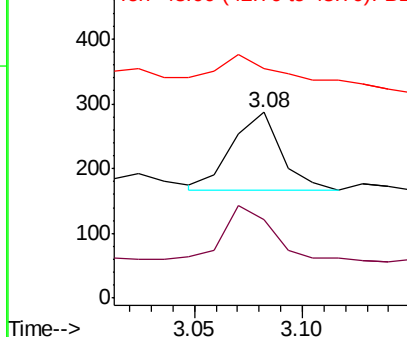
#2

1,4-Dioxane
Concen: 0.140 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097536.D
Acq: 19 Sep 2018 12:29

Tgt Ion: 88 Resp: 189
Ion Ratio Lower Upper
88 100
58 65.6 63.2 94.8
43 30.7 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: 0.157 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE097536.D

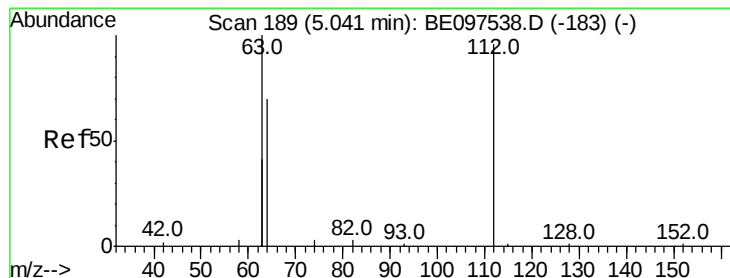
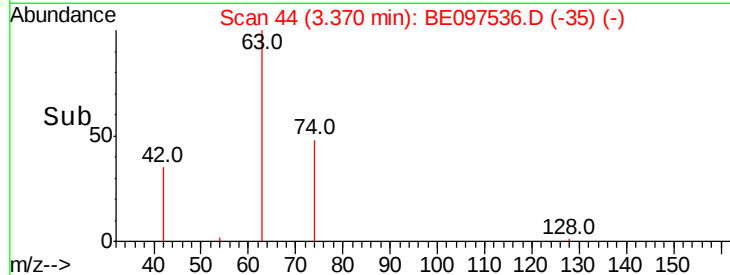
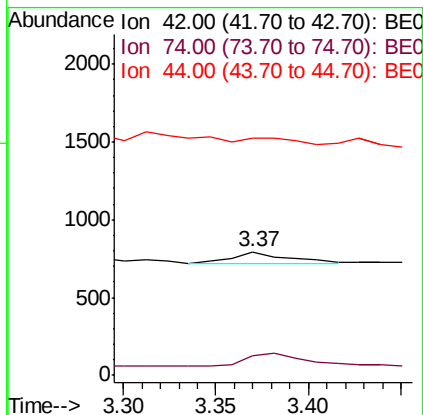
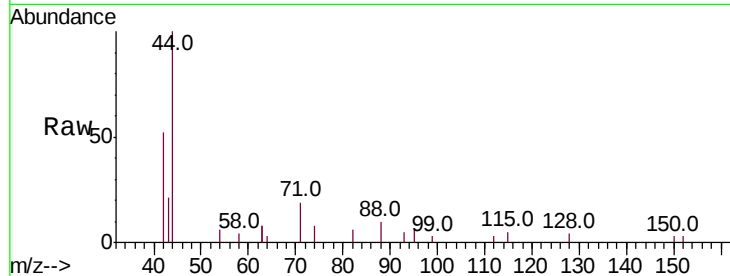
Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampled :

Tot Ion:	42	Resp:	177
Ion	Ratio	Lower	Upper
42	100		
74	95.5	96.0	144.0#
44	0.0	12.0	18.0#



#4

2-Fluorophenol

Concen: 0.109 ng

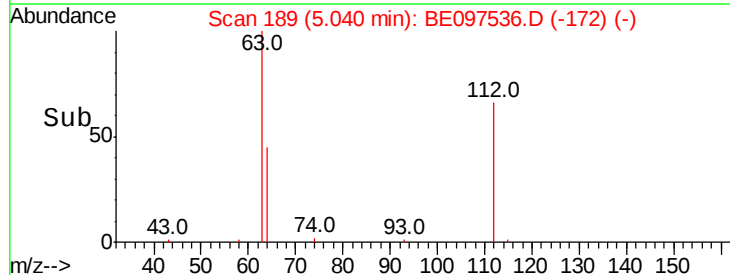
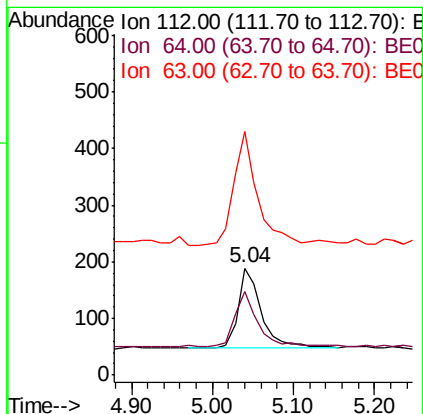
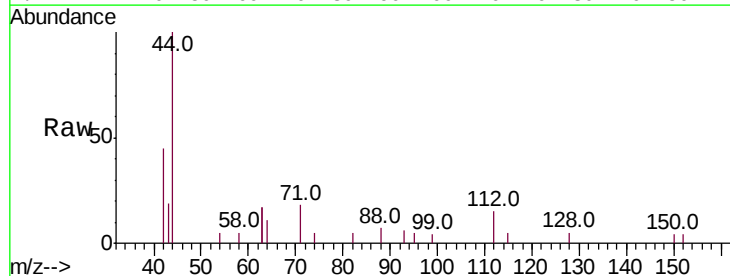
RT: 5.04 min Scan# 189

Delta R.T. -0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Tgt Ion:	112	Resp:	287
Ion	Ratio	Lower	Upper
112	100		
64	65.9	60.1	90.1
63	141.1	116.8	175.2





#5

Phenol-d6

Concen: 0.104 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampleId :

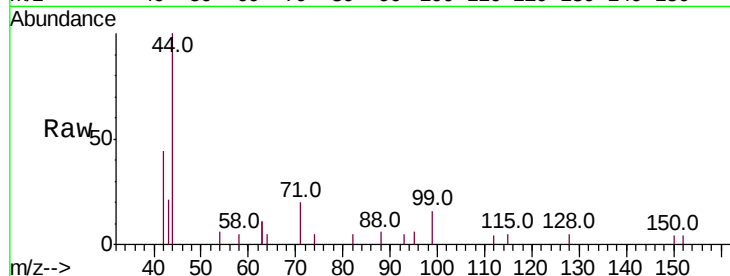
Tot Ion: 99 Resp: 348

Ion Ratio Lower Upper

99 100

42 44.3 20.2 30.2#

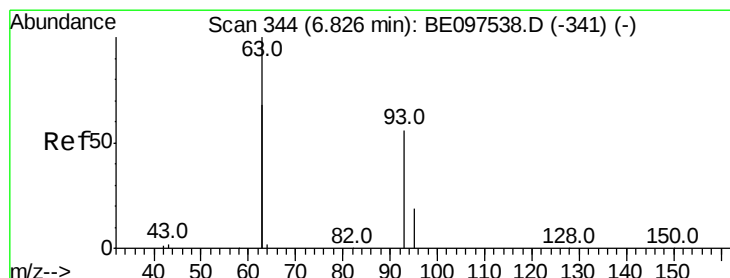
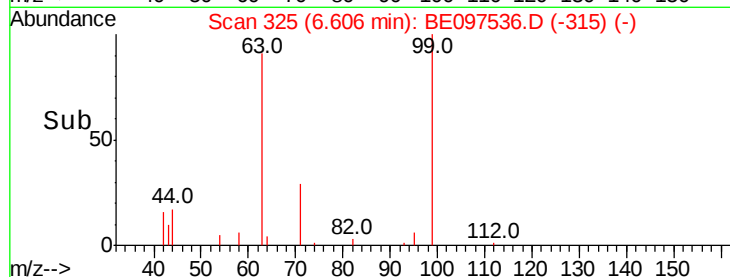
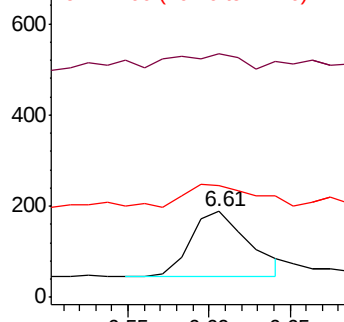
71 39.9 28.4 42.6



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: 0.124 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

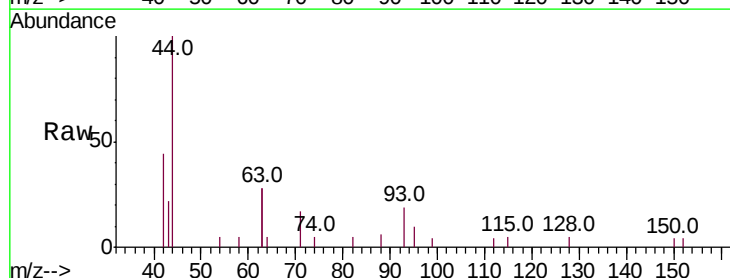
Tgt Ion: 93 Resp: 331

Ion Ratio Lower Upper

93 100

63 286.4 275.3 412.9

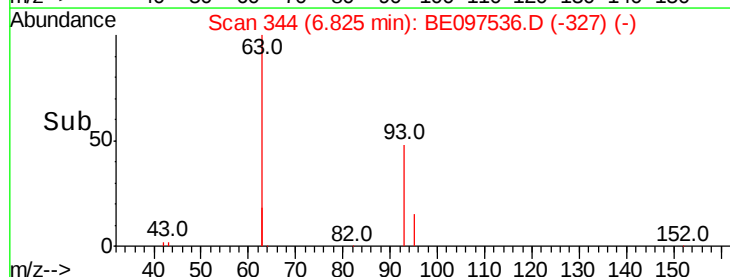
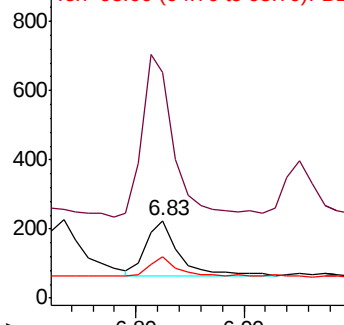
95 30.8 25.2 37.8



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: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3613

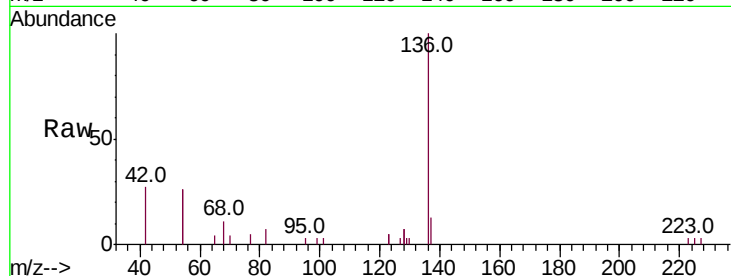
Ion Ratio Lower Upper

136 100

137 13.0 9.5 14.3

54 52.2 29.1 43.7#

68 11.1 6.2 9.2#

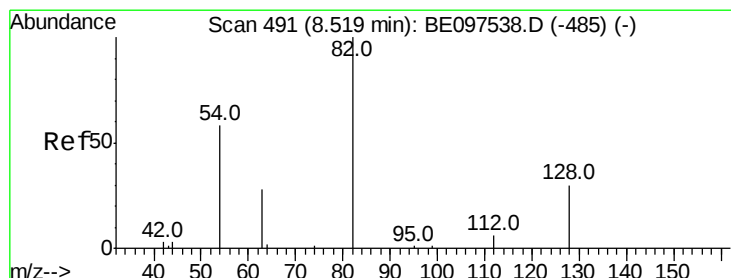
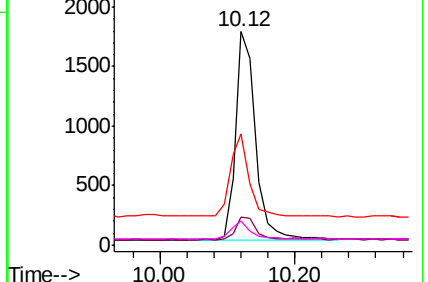
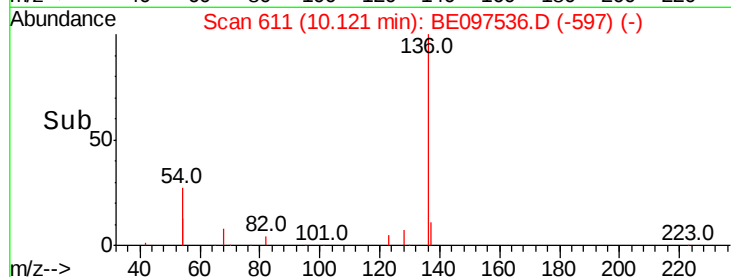


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.112 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

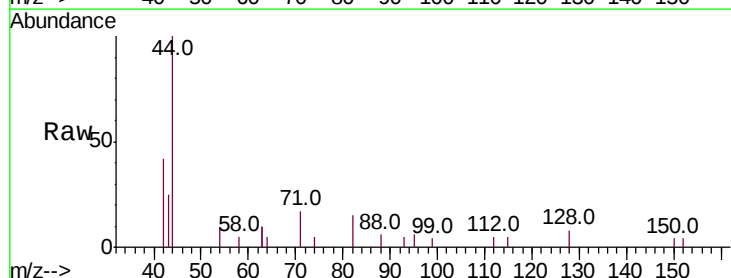
Tgt Ion: 82 Resp: 325

Ion Ratio Lower Upper

82 100

128 53.9 24.0 36.0#

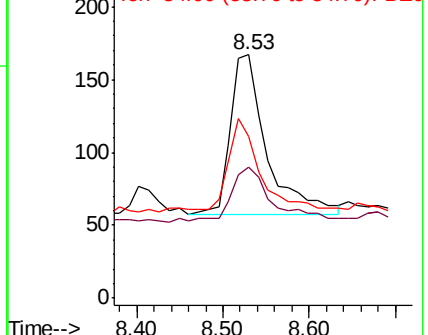
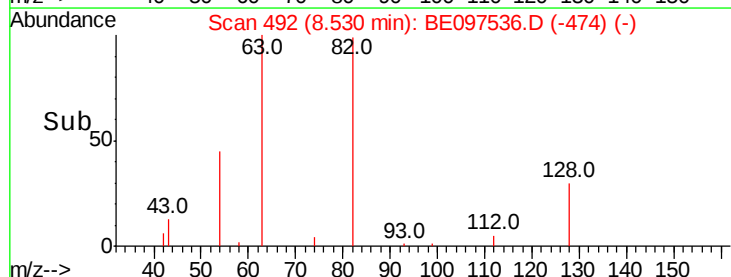
54 66.5 40.0 60.0#



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: 0.109 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampled :

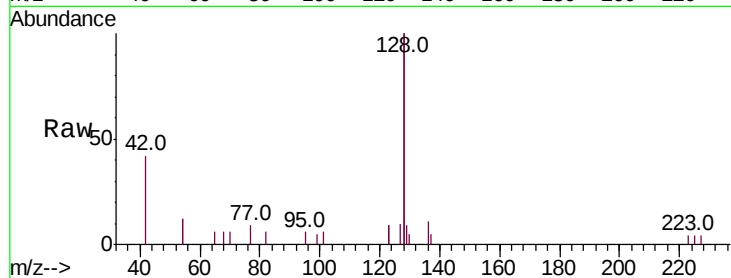
Tot Ion:128 Resp: 3559

Ion Ratio Lower Upper

128 100

129 4.7 2.6 3.8#

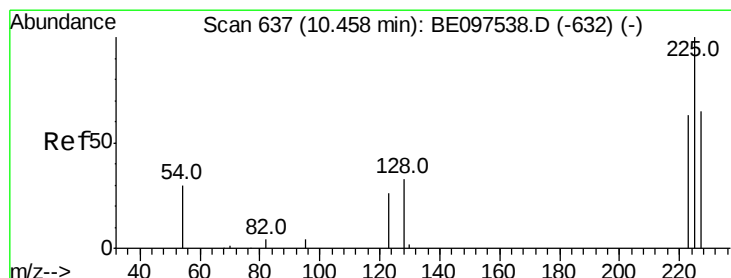
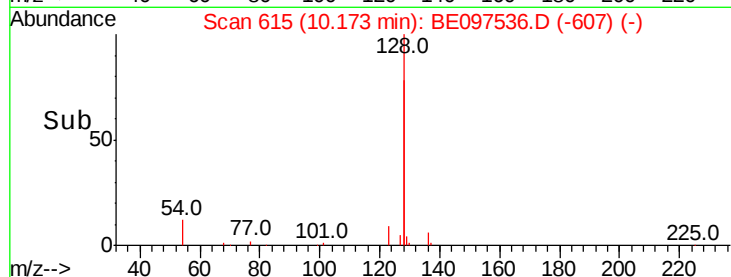
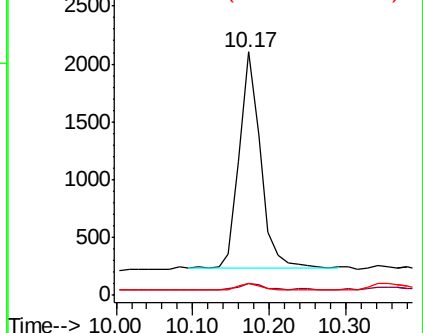
127 5.0 2.8 4.2#



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: 0.108 ng

RT: 10.46 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

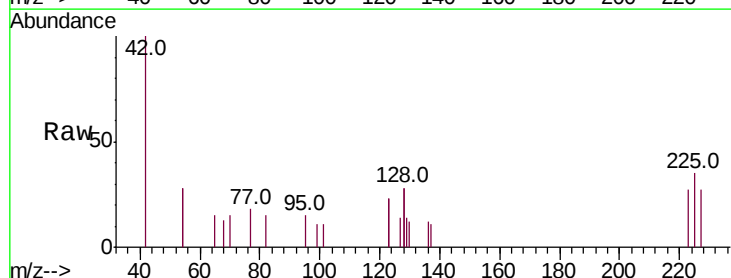
Tgt Ion:225 Resp: 168

Ion Ratio Lower Upper

225 100

223 58.9 53.0 79.6

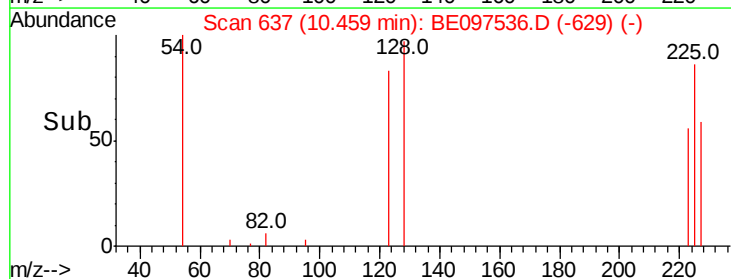
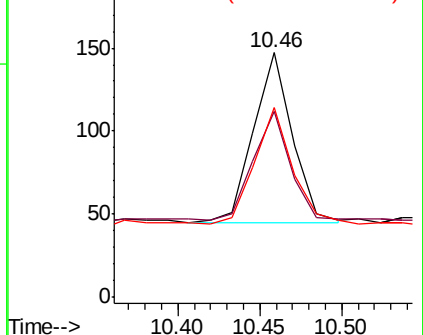
227 64.3 51.4 77.2



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

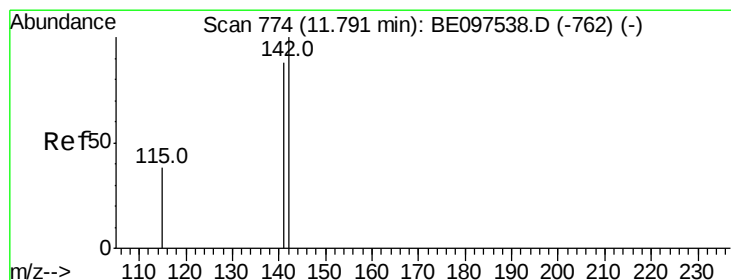
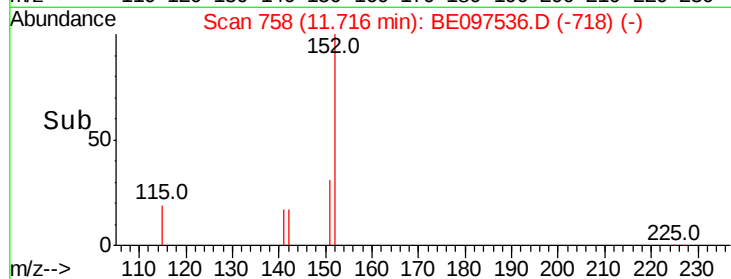
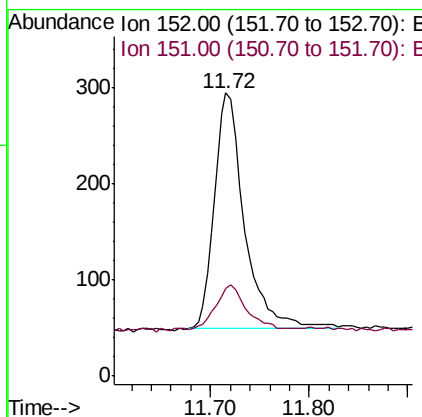
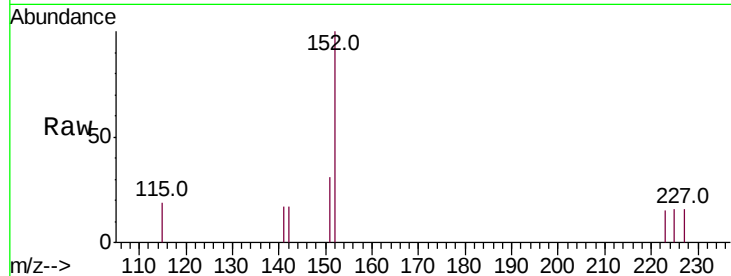




#11
 2-Methylnaphthalene-d10
 Concen: 0.101 ng
 RT: 11.72 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BE097536.D
 Acq: 19 Sep 2018 12:29

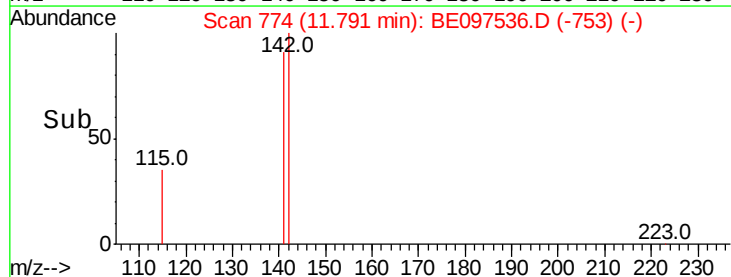
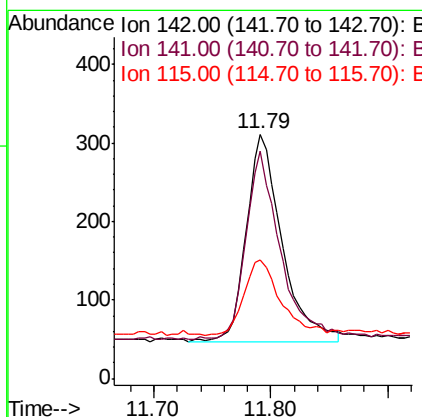
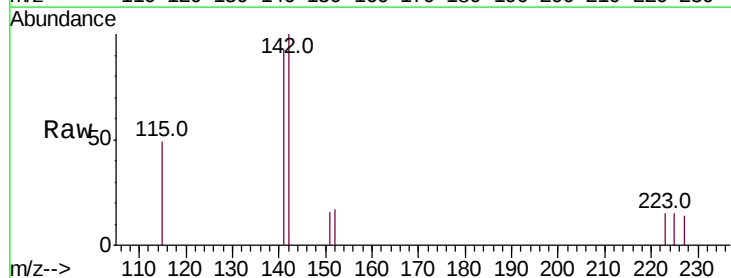
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 520
 Ion Ratio Lower Upper
 152 100
 151 17.9 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.106 ng
 RT: 11.79 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BE097536.D
 Acq: 19 Sep 2018 12:29

Tgt Ion:142 Resp: 557
 Ion Ratio Lower Upper
 142 100
 141 92.9 70.4 105.6
 115 48.6 31.7 47.5#

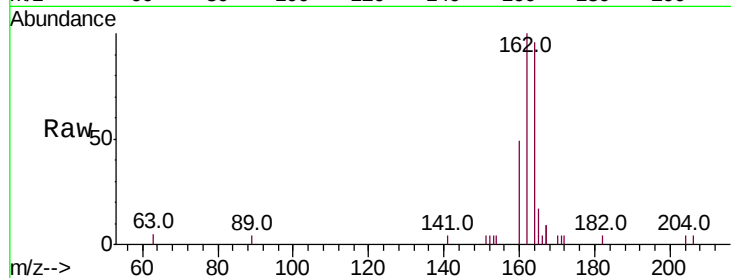




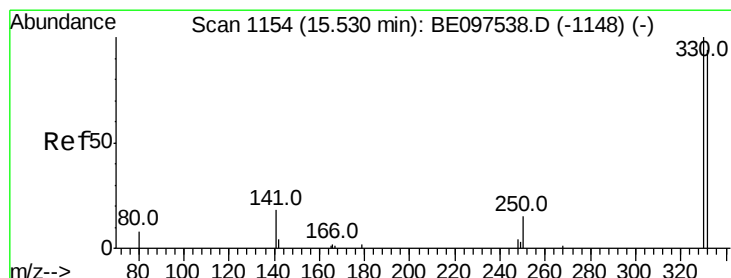
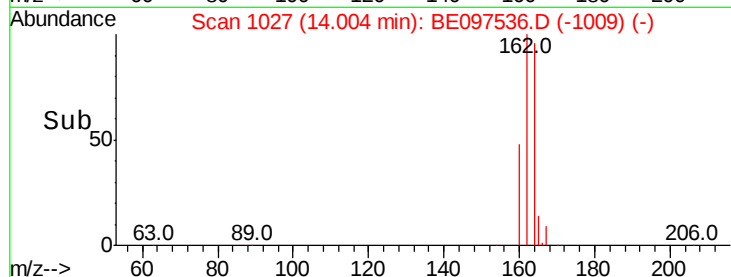
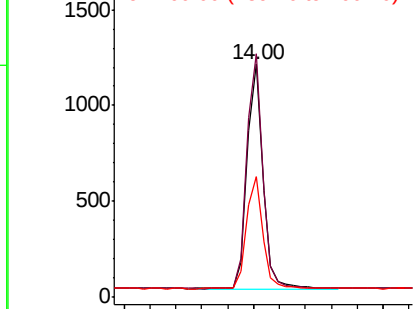
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE097536.D
 Acq: 19 Sep 2018 12:29

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 1996
 Ion Ratio Lower Upper
 164 100
 162 104.4 83.1 124.7
 160 51.6 37.1 55.7

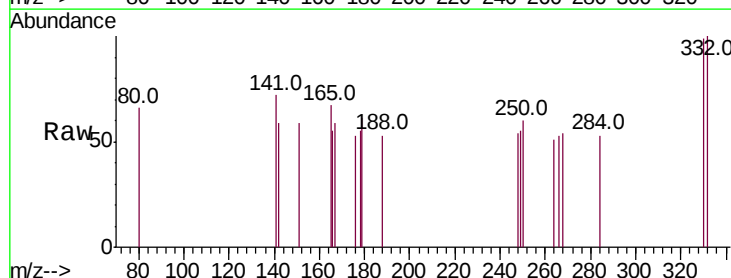


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

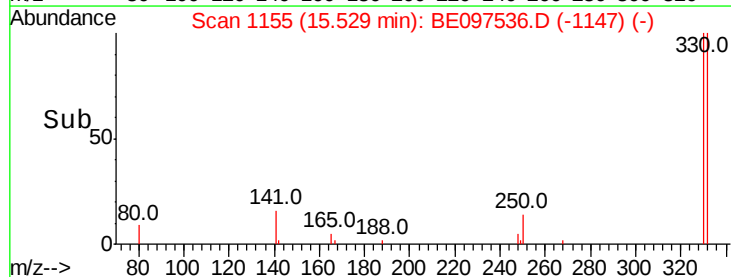
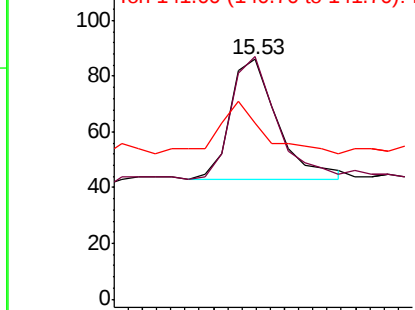


#14
 2,4,6-Tribromophenol
 Concen: 0.094 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BE097536.D
 Acq: 19 Sep 2018 12:29

Tgt Ion:330 Resp: 99
 Ion Ratio Lower Upper
 330 100
 332 99.0 152.7 229.1#
 141 42.4 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

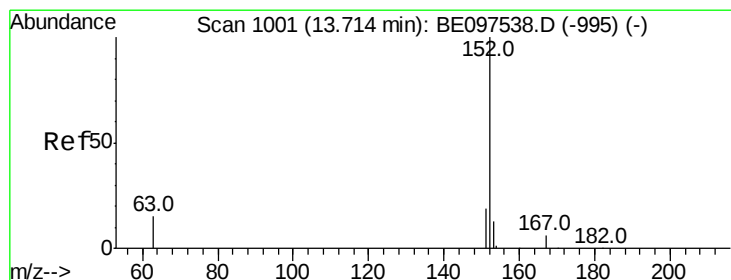
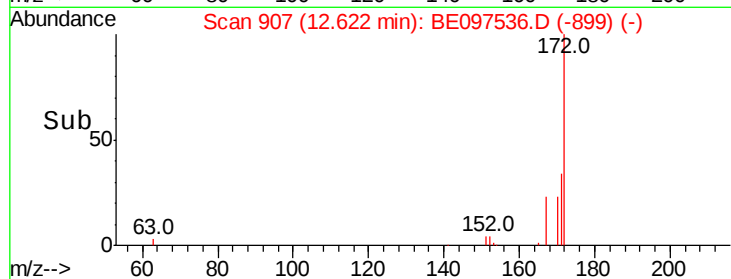
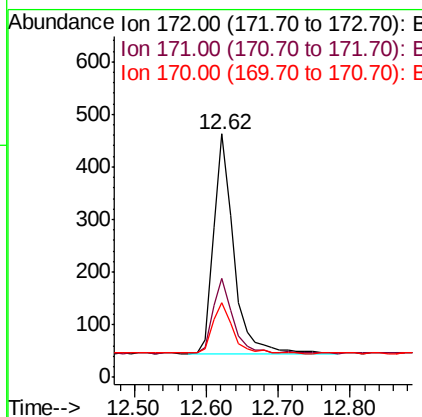
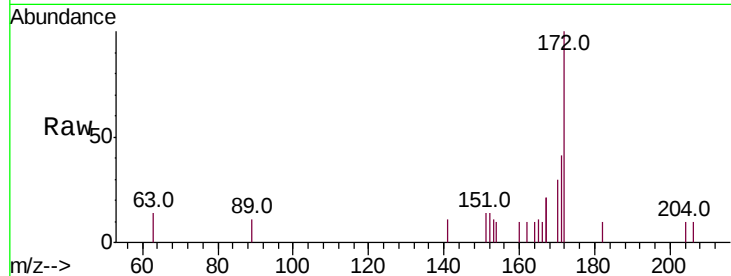




#15
2-Fluorobiphenyl
Concen: 0.116 ng
RT: 12.62 min Scan# 907
Delta R.T. -0.01 min
Lab File: BE097536.D
Acq: 19 Sep 2018 12:29

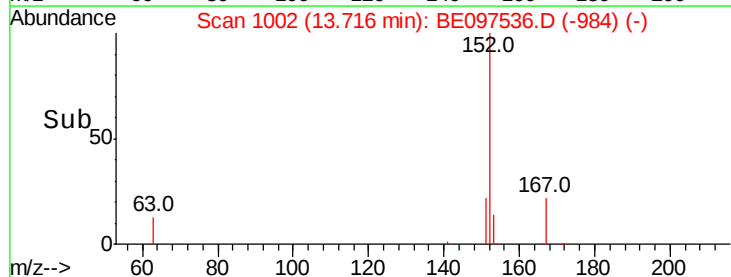
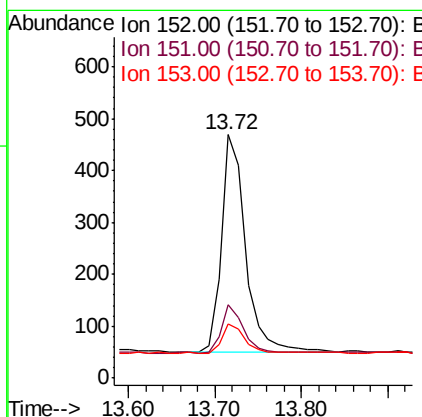
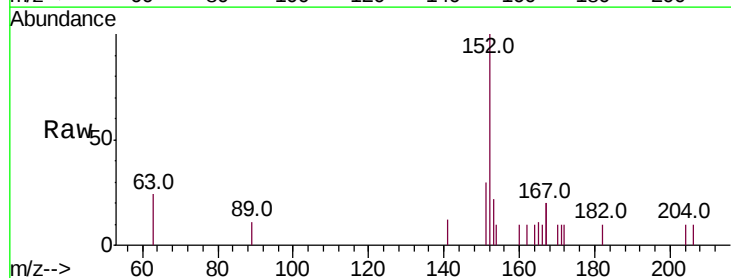
Instrument :
BNA_E
ClientSampleId :

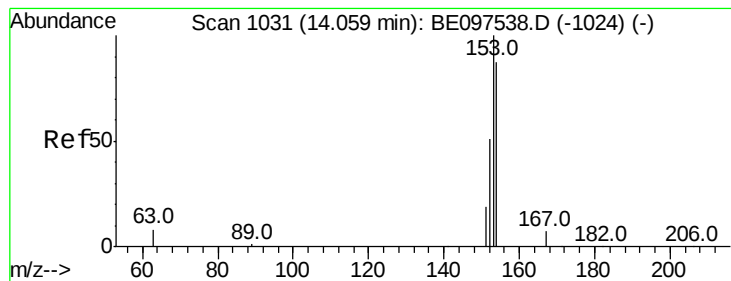
Tot Ion:172 Resp: 812
Ion Ratio Lower Upper
172 100
171 40.6 29.9 44.9
170 30.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.095 ng
RT: 13.72 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE097536.D
Acq: 19 Sep 2018 12:29

Tgt Ion:152 Resp: 824
Ion Ratio Lower Upper
152 100
151 21.4 15.7 23.5
153 15.3 10.5 15.7





#17

Acenaphthene

Concen: 0.107 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampleId :

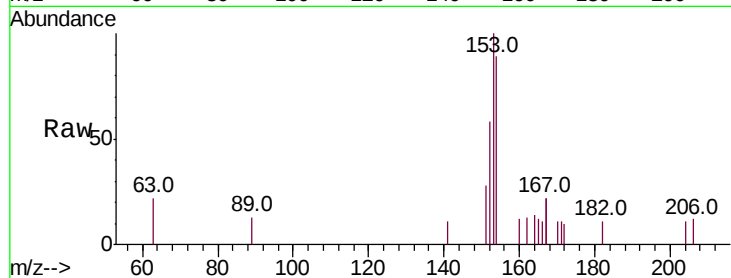
Tot Ion:154 Resp: 574

Ion Ratio Lower Upper

154 100

153 112.7 89.2 133.8

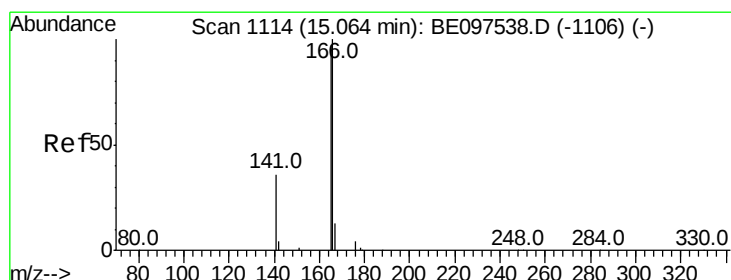
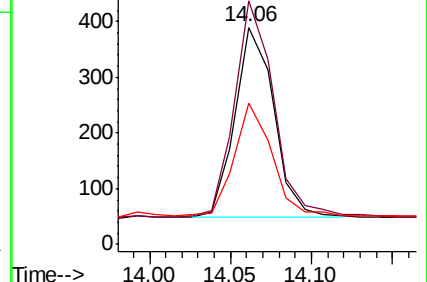
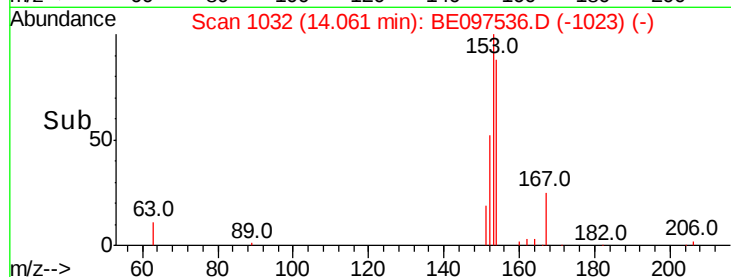
152 56.8 42.0 63.0



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: 0.110 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

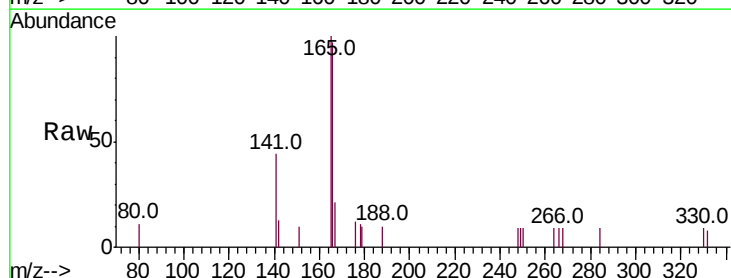
Tgt Ion:166 Resp: 751

Ion Ratio Lower Upper

166 100

165 97.9 77.8 116.6

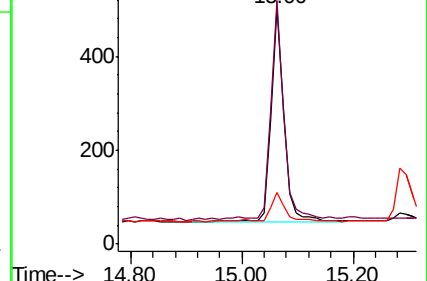
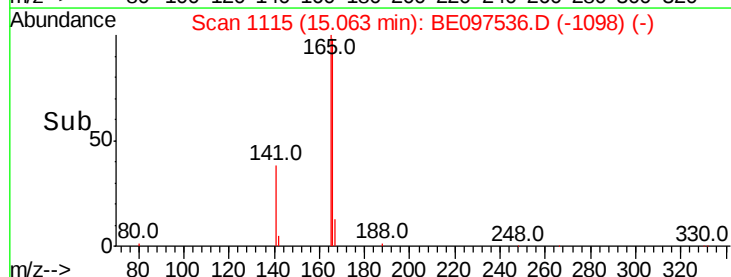
167 14.6 42.4 63.6#



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

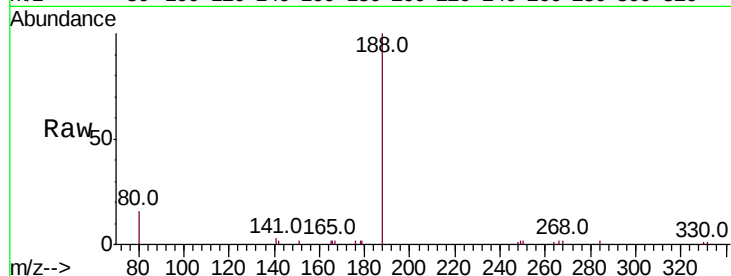
Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 5848

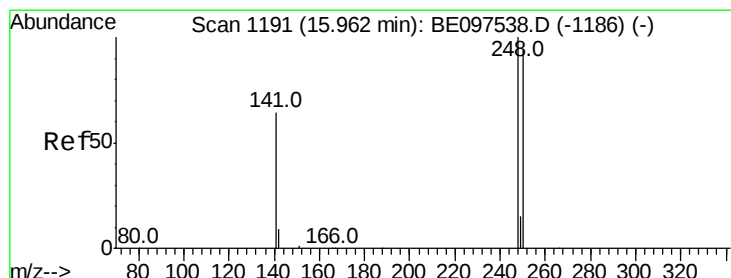
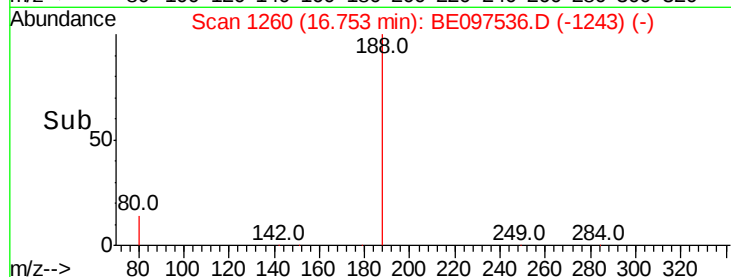
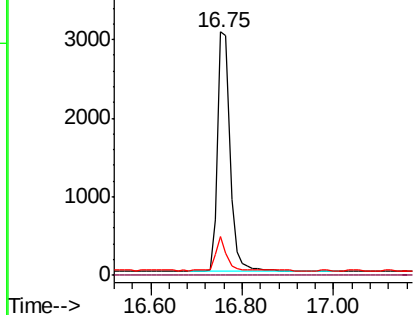
Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	16.0	3.6	5.4#



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: 0.098 ng

RT: 15.96 min Scan# 1192

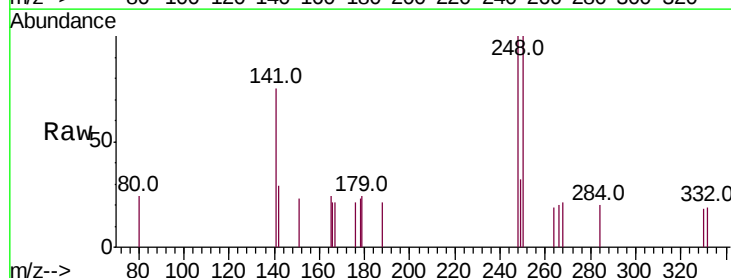
Delta R.T. -0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Tgt Ion:248 Resp: 278

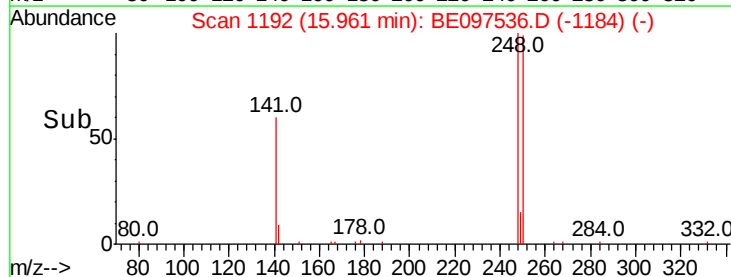
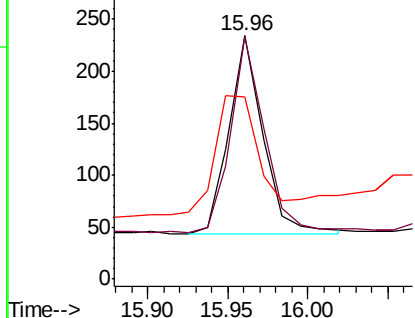
Ion	Ratio	Lower	Upper
248	100		
250	99.6	62.7	94.1#
141	74.8	48.2	72.2#



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: 0.102 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampled :

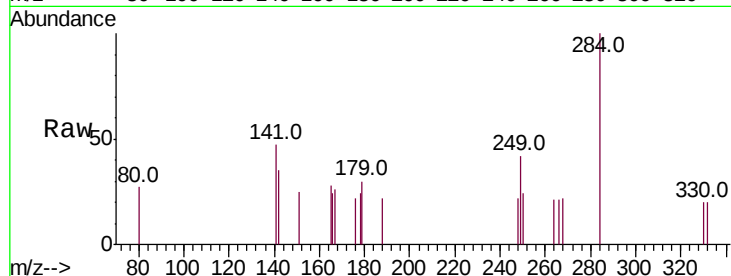
Tot Ion:284 Resp: 306

Ion Ratio Lower Upper

284 100

142 35.3 22.1 33.1#

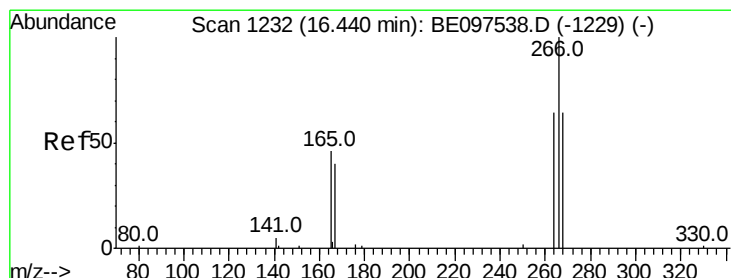
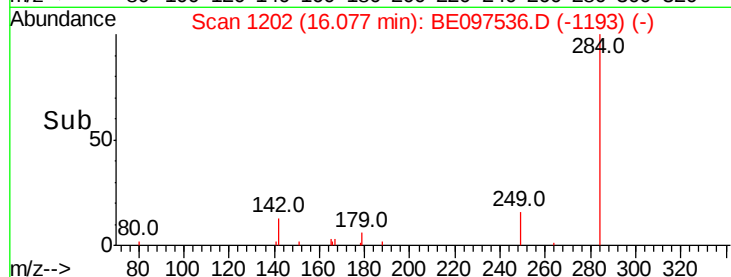
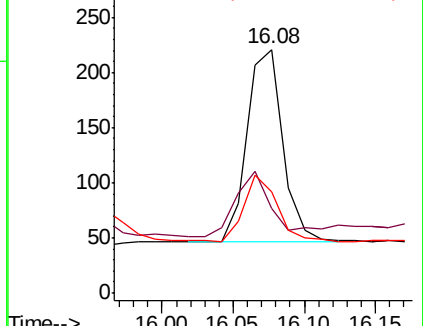
249 31.4 34.8 52.2#



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: 0.008 ng

RT: 16.37 min Scan# 1227

Delta R.T. -0.07 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

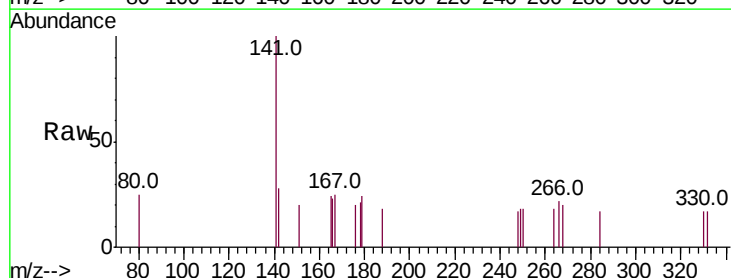
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 81.0 72.5 108.7

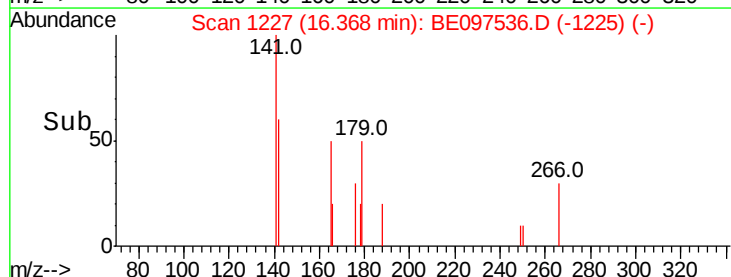
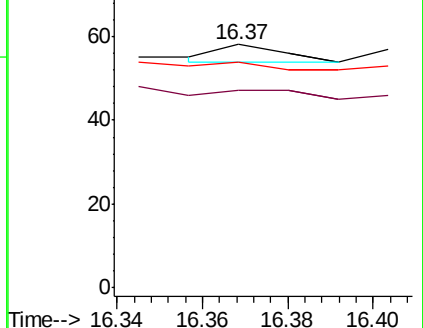
268 93.1 73.8 110.6



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: 0.112 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampleId :

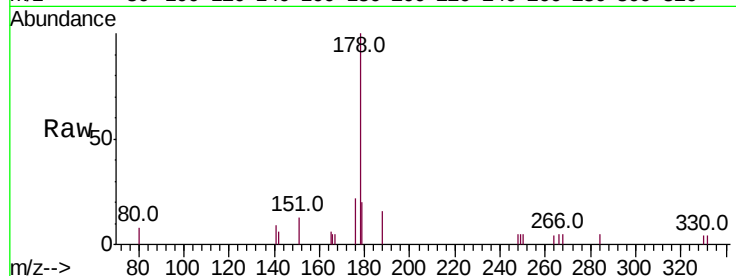
Tot Ion:178 Resp: 1536

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

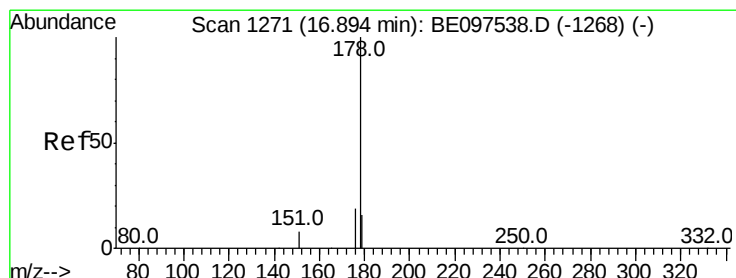
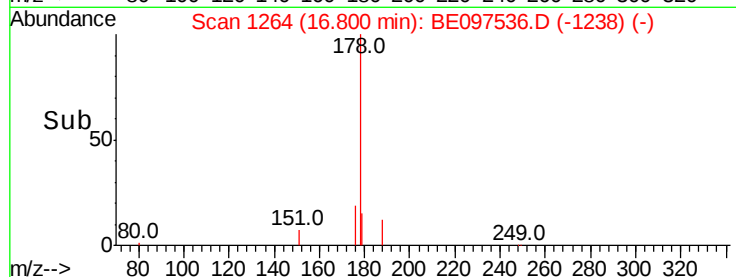
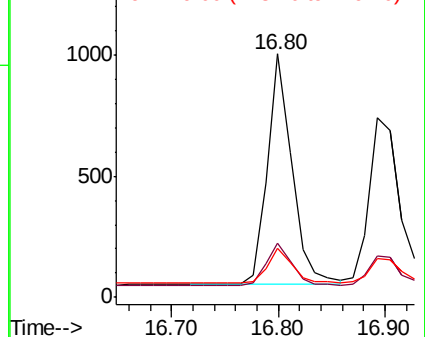
179 15.7 11.8 17.6



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: 0.109 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

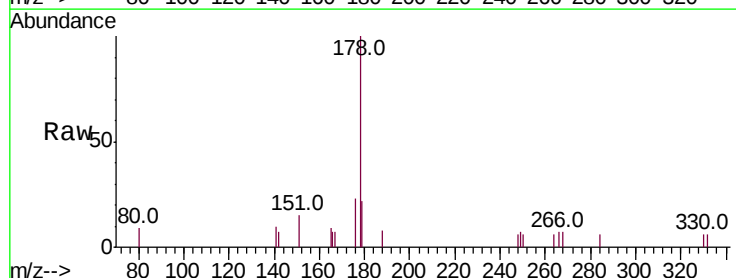
Tgt Ion:178 Resp: 1379

Ion Ratio Lower Upper

178 100

176 18.3 12.8 19.2

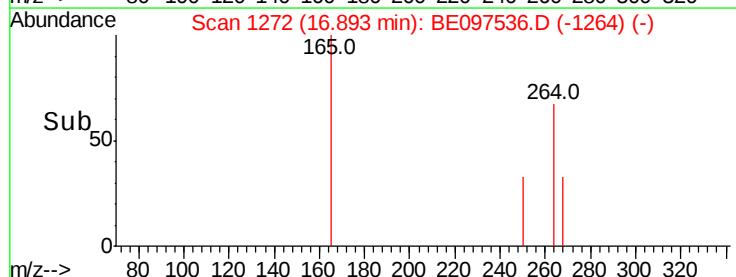
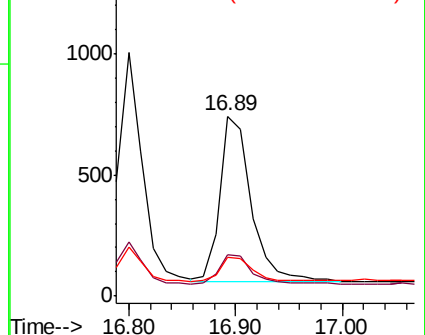
179 15.6 13.0 19.6



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: 0.117 ng

RT: 18.80 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampleId :

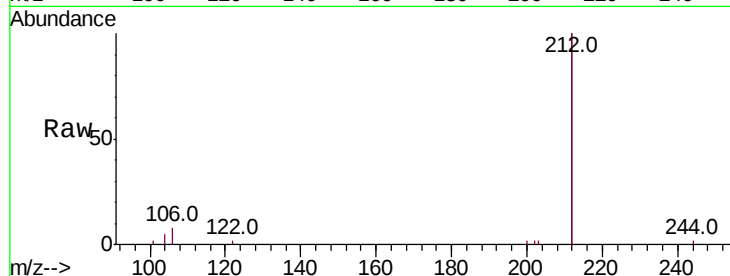
Tot Ion:212 Resp: 8243

Ion Ratio Lower Upper

212 100

106 3.3 2.8 4.2

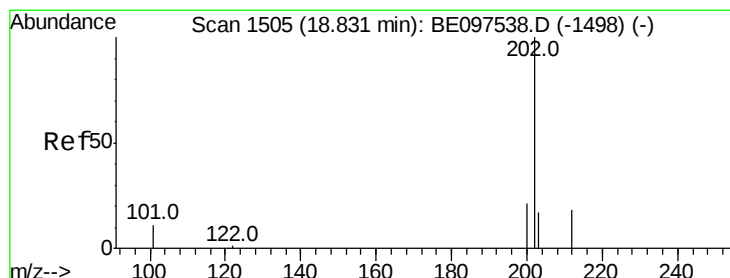
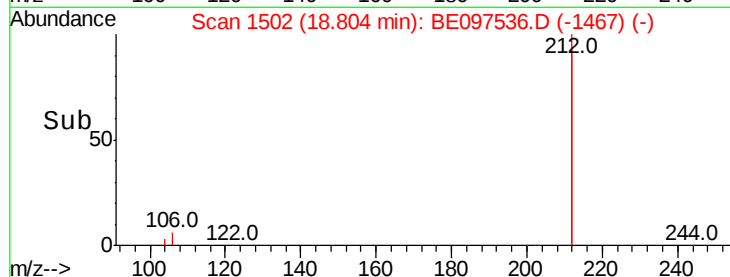
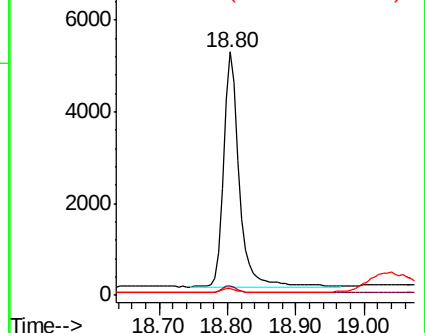
104 1.8 1.6 2.4



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: 0.117 ng

RT: 18.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

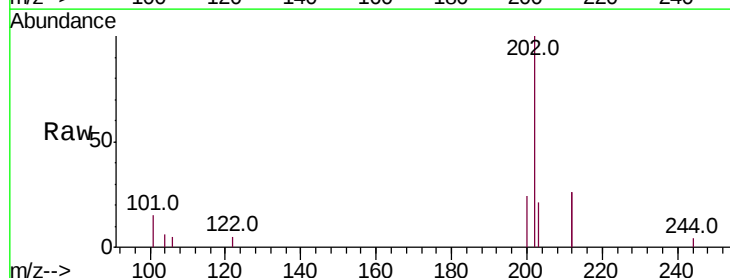
Tgt Ion:202 Resp: 2105

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.8

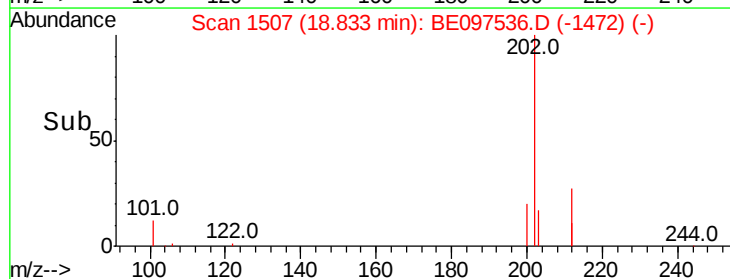
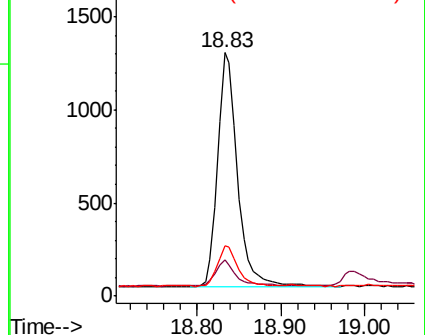
203 17.5 13.7 20.5



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: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampleId :

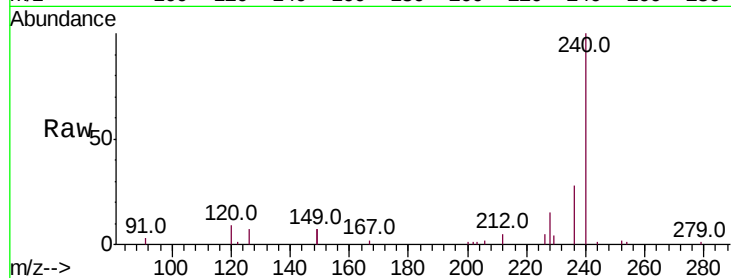
Tot Ion:240 Resp: 9384

Ion Ratio Lower Upper

240 100

120 8.9 5.5 8.3#

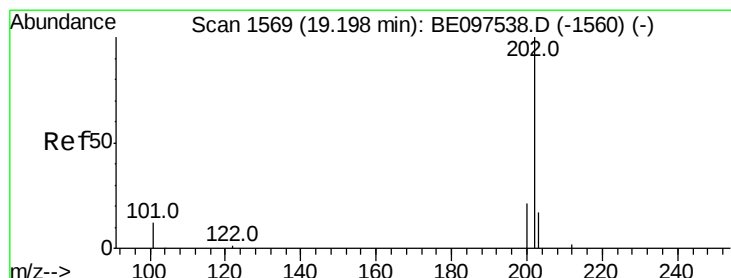
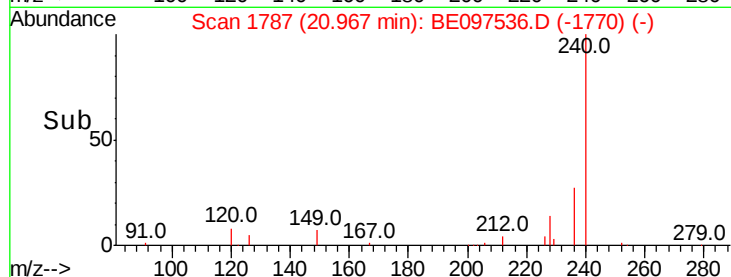
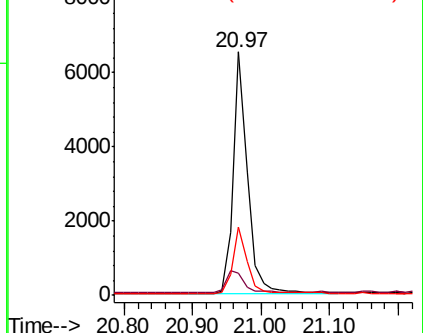
236 27.8 20.7 31.1



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: 0.096 ng

RT: 19.20 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

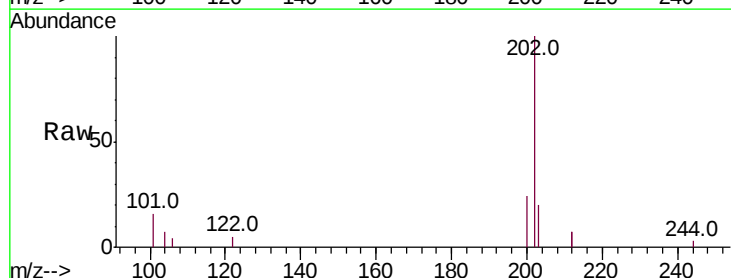
Tgt Ion:202 Resp: 2313

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

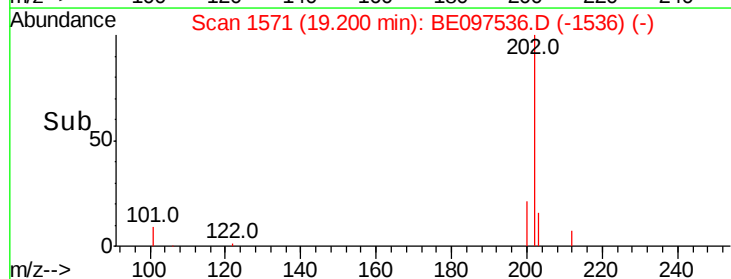
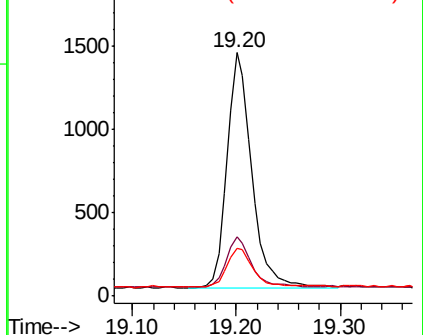
203 17.6 13.8 20.8

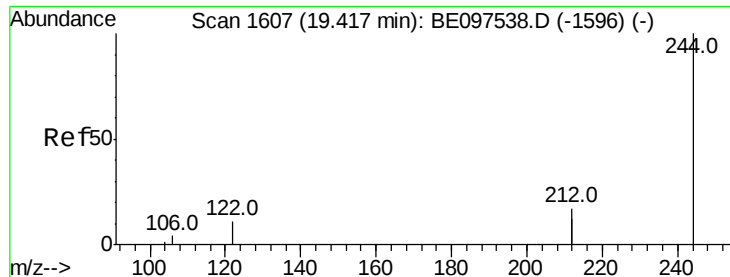


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.110 ng

RT: 19.42 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampleId :

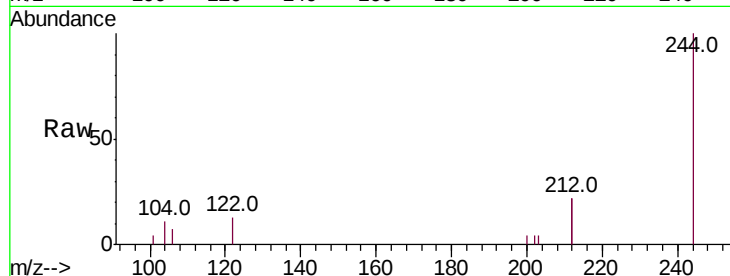
Tot Ion:244 Resp: 1976

Ion Ratio Lower Upper

244 100

212 44.7 25.4 38.0#

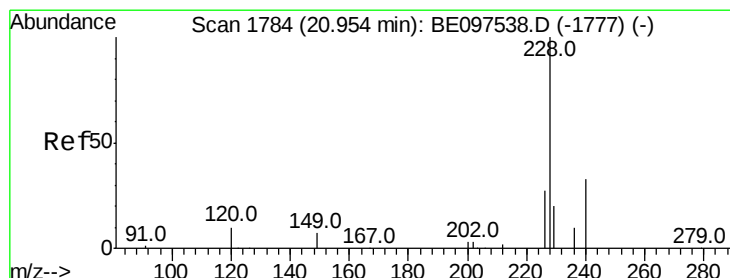
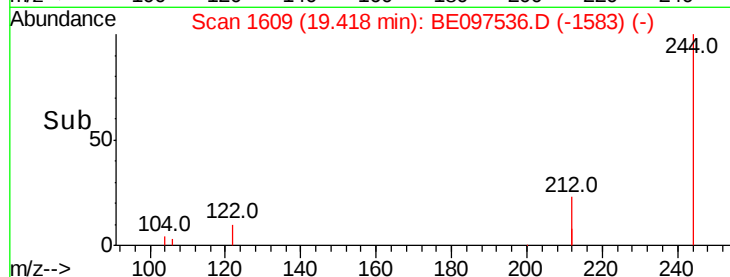
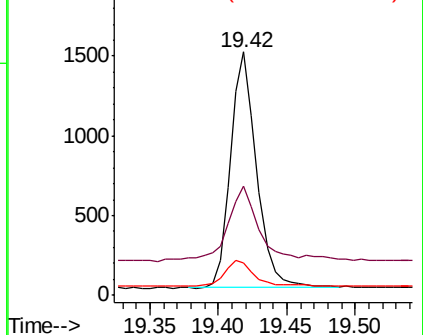
122 13.2 8.1 12.1#



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: 0.108 ng

RT: 20.95 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

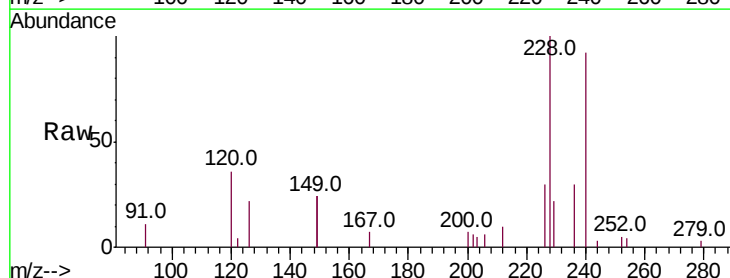
Tgt Ion:228 Resp: 2673

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

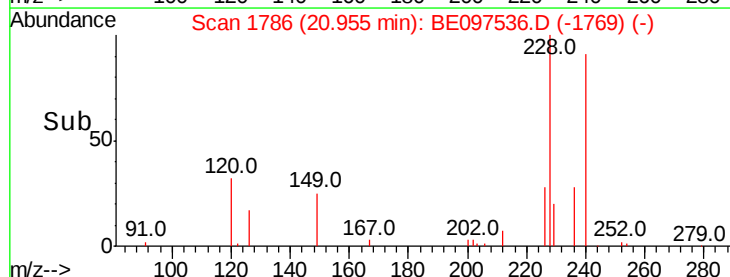
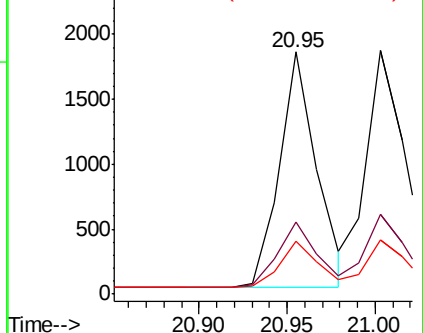
229 22.0 16.0 24.0



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: 0.112 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampleId :

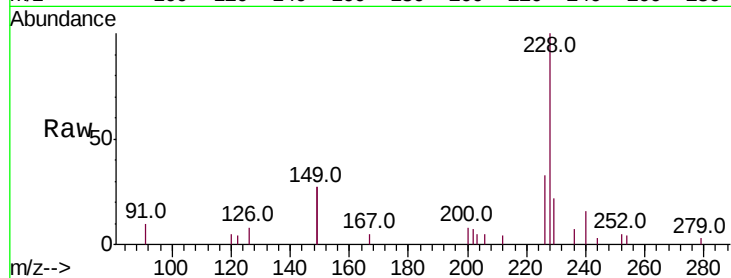
Tot Ion:228 Resp: 2825

Ion Ratio Lower Upper

228 100

226 32.9 24.0 36.0

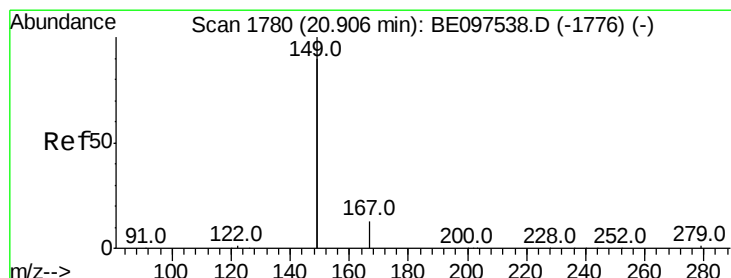
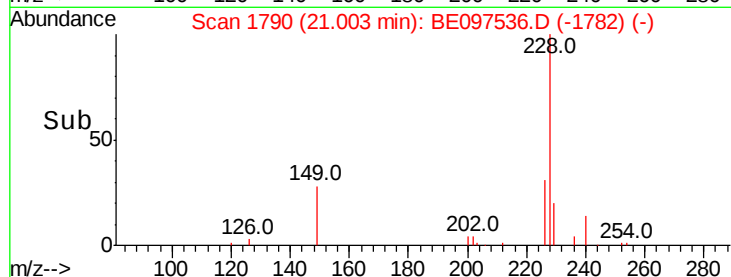
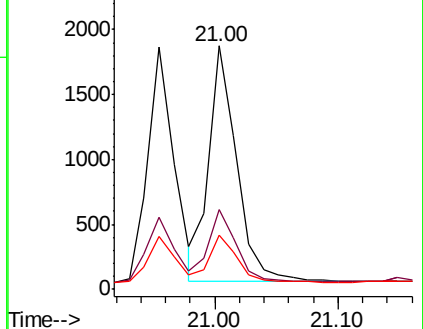
229 22.2 16.0 24.0



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: 0.178 ng

RT: 20.91 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

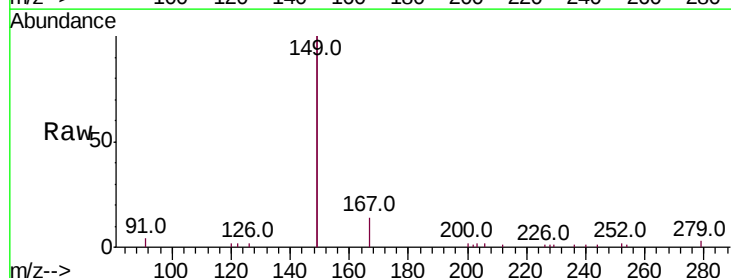
Tgt Ion:149 Resp: 9337

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

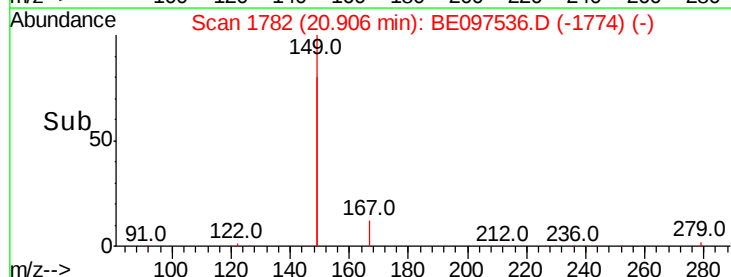
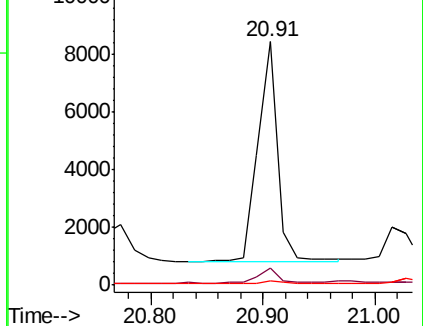
279 1.2 0.7 1.1#



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: 0.111 ng

RT: 25.51 min Scan# 2847

Delta R.T. 0.01 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampleId :

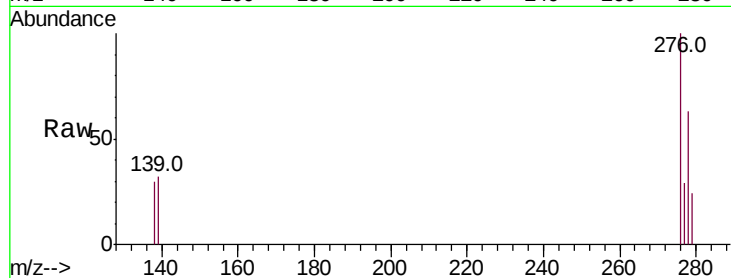
Tot Ion:276 Resp: 3354

Ion Ratio Lower Upper

276 100

138 29.3 22.5 33.7

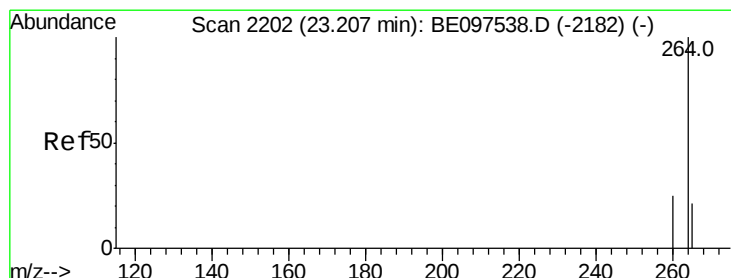
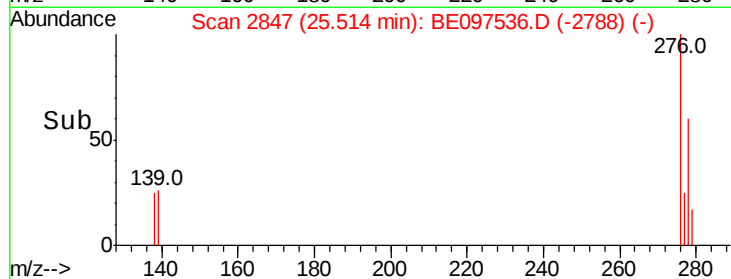
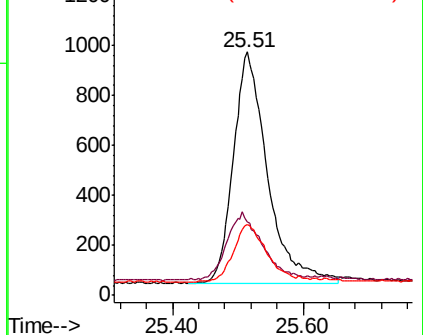
277 24.2 19.9 29.9



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: BE097536.D

Acq: 19 Sep 2018 12:29

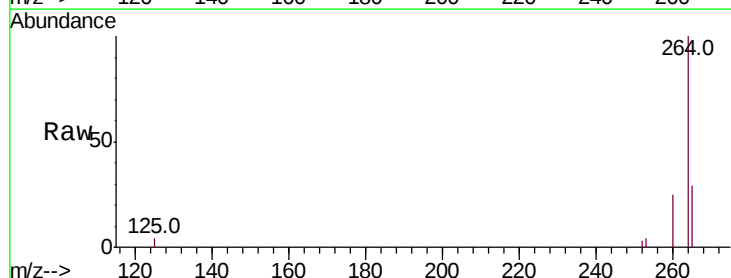
Tgt Ion:264 Resp: 9923

Ion Ratio Lower Upper

264 100

260 24.8 20.5 30.7

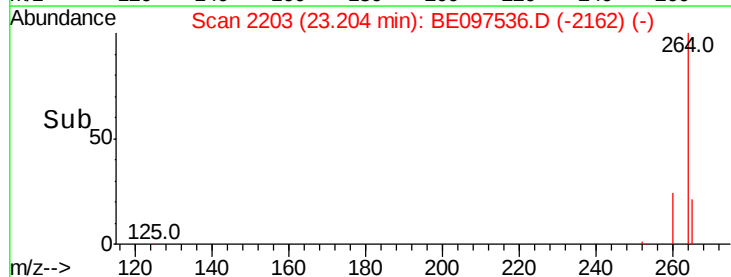
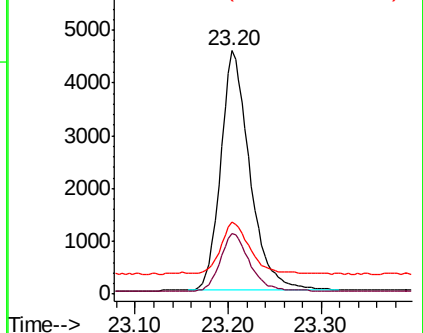
265 29.4 22.8 34.2

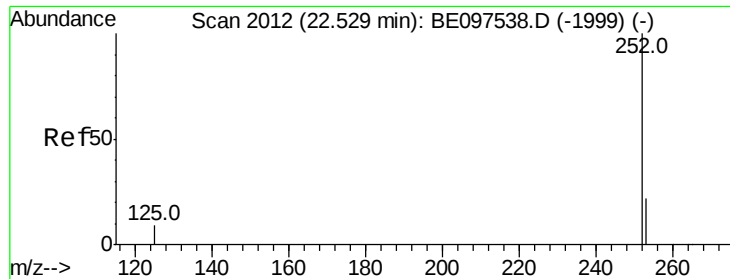


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

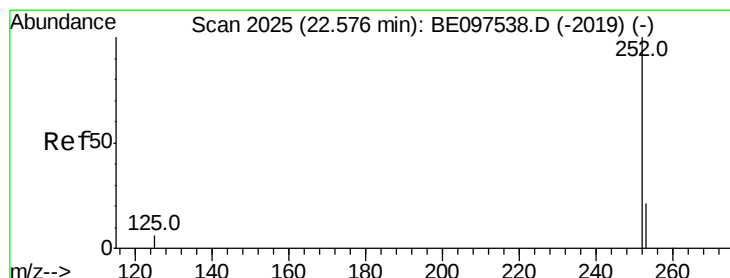
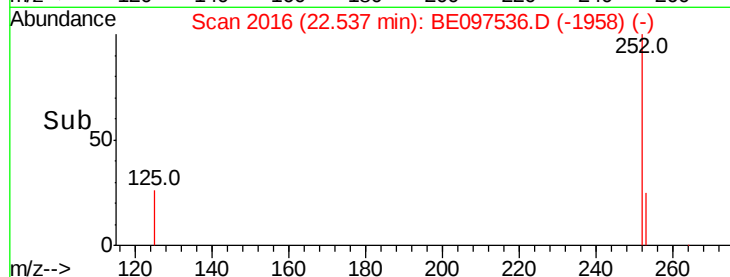
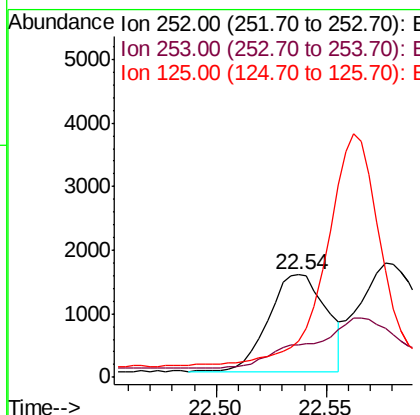
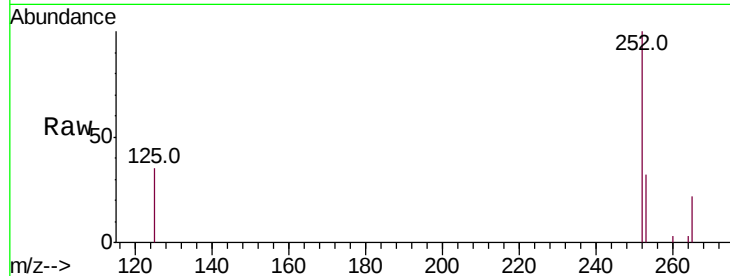




#35
Benzo(b)fluoranthene
Concen: 0.109 ng
RT: 22.54 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BE097536.D
Acq: 19 Sep 2018 12:29

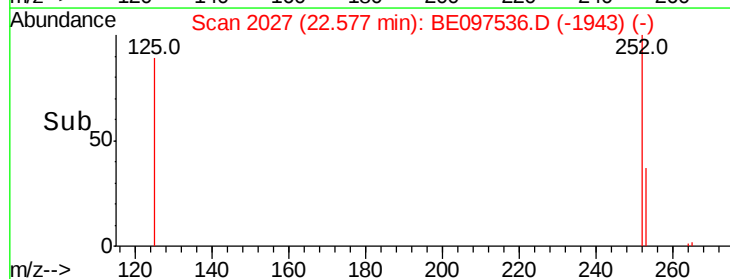
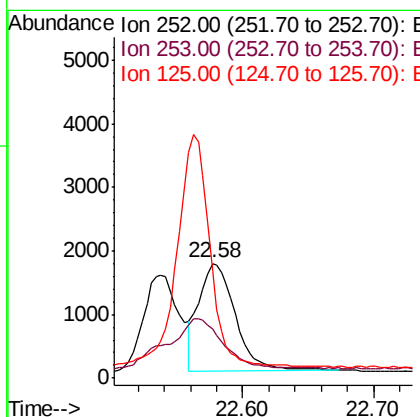
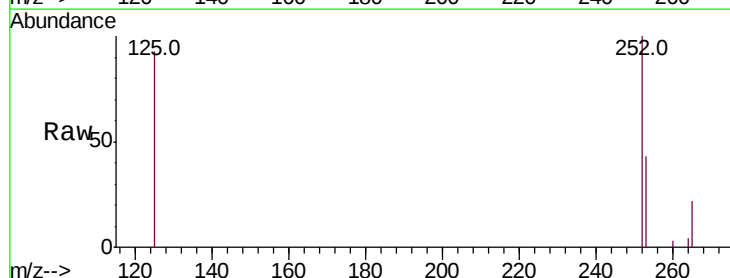
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 2766
Ion Ratio Lower Upper
252 100
253 32.1 20.0 30.0#
125 35.2 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.120 ng
RT: 22.58 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE097536.D
Acq: 19 Sep 2018 12:29

Tgt Ion:252 Resp: 3319
Ion Ratio Lower Upper
252 100
253 43.2 16.0 24.0#
125 93.4 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.134 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampleId :

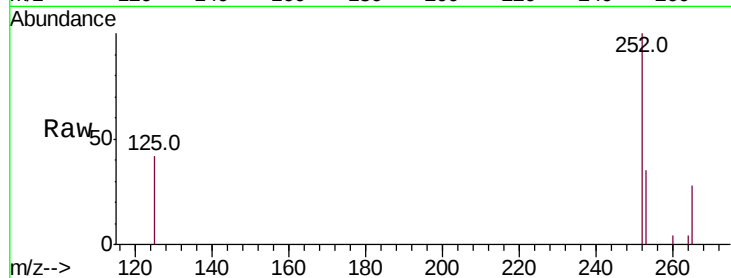
Tot Ion:252 Resp: 3388

Ion Ratio Lower Upper

252 100

253 34.8 16.0 24.0#

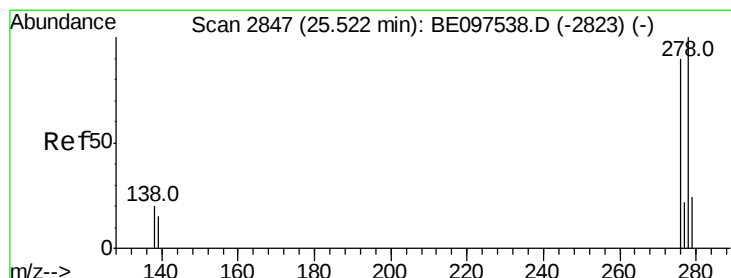
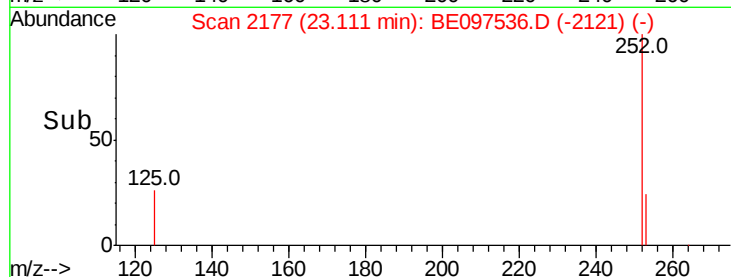
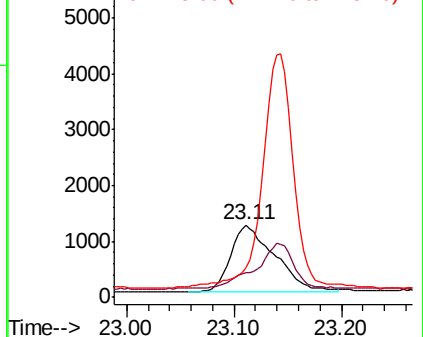
125 41.8 12.0 18.0#



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: 0.106 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

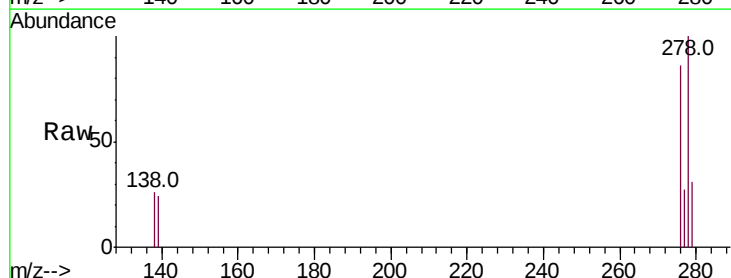
Tgt Ion:278 Resp: 2787

Ion Ratio Lower Upper

278 100

139 23.8 16.0 24.0

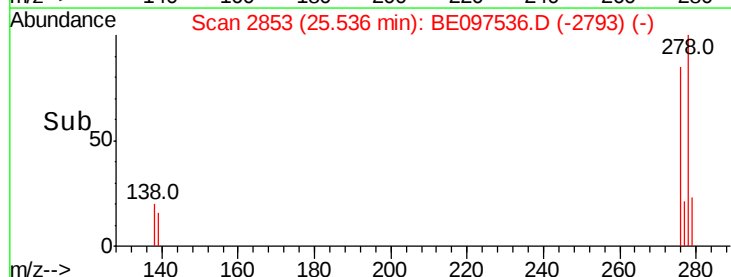
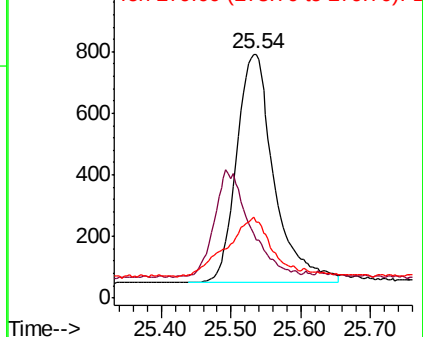
279 31.0 20.0 30.0#



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: 0.099 ng

RT: 26.21 min Scan# 3043

Delta R.T. 0.01 min

Lab File: BE097536.D

Acq: 19 Sep 2018 12:29

Instrument :

BNA_E

ClientSampleId :

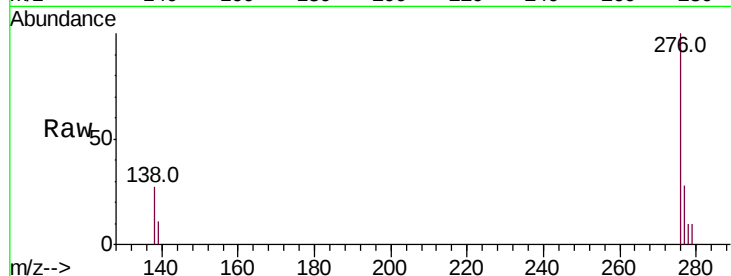
Tot Ion:276 Resp: 2647

Ion Ratio Lower Upper

276 100

277 28.4 16.0 24.0#

138 26.8 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

26.21

