

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE081018\
 Data File : BE097271.D
 Acq On : 10 Aug 2018 20:45
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 10 23:08:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 10:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1151	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6272	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3571	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	8038	0.40	ng	0.00
27) Chrysene-d12	20.98	240	7847	0.40	ng	0.00
34) Perylene-d12	23.22	264	8086	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	1416	0.44	ng	0.01
5) Phenol-d6	6.61	99	2133	0.45	ng	0.01
8) Nitrobenzene-d5	8.53	82	2138	0.39	ng	0.01
11) 2-Methylnaphthalene-d10	11.72	152	3401	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	457	0.39	ng	0.01
15) 2-Fluorobiphenyl	12.63	172	4789	0.39	ng	0.00
25) Fluoranthene-d10	18.81	212	29754	0.37	ng	0.00
29) Terphenyl-d14	19.43	244	5549	0.37	ng	0.00

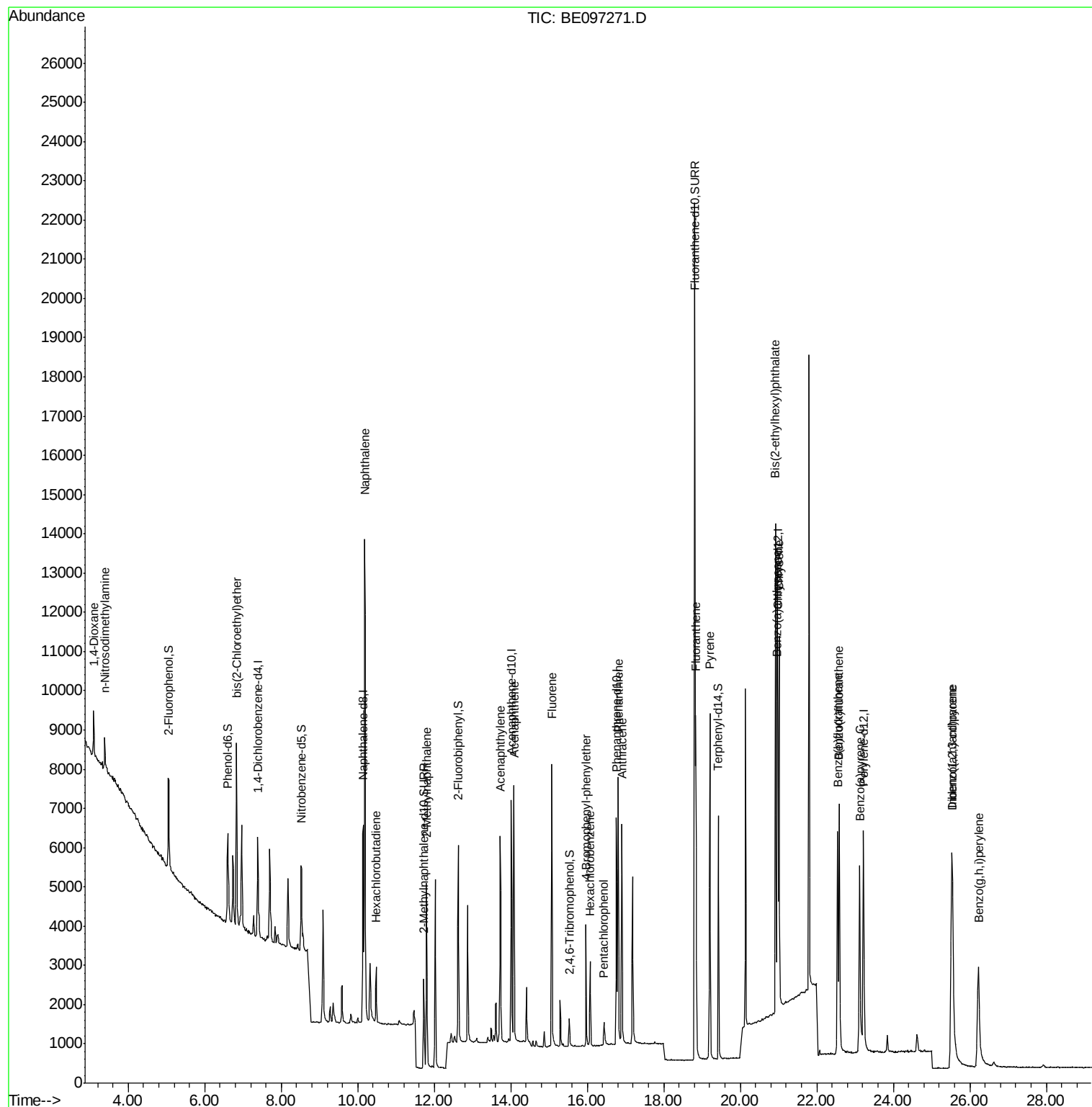
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	715	0.391	ng	95
3) n-Nitrosodimethylamine	3.38	42	574	0.281	ng	# 91
6) bis(2-Chloroethyl)ether	6.84	93	1608	0.371	ng	95
9) Naphthalene	10.19	128	21209	0.377	ng	99
10) Hexachlorobutadiene	10.48	225	977	0.387	ng	97
12) 2-Methylnaphthalene	11.80	142	3524	0.365	ng	99
16) Acenaphthylene	13.73	152	6106	0.381	ng	100
17) Acenaphthene	14.08	154	3523	0.378	ng	92
18) Fluorene	15.07	166	4335	0.352	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	1562	0.400	ng	89
21) Hexachlorobenzene	16.08	284	1723	0.411	ng	# 83
22) Pentachlorophenol	16.44	266	415	0.422	ng	82
23) Phenanthrene	16.81	178	7053	0.368	ng	98
24) Anthracene	16.90	178	6404	0.374	ng	96
26) Fluoranthene	18.84	202	7839	0.365	ng	98
28) Pyrene	19.21	202	7955	0.370	ng	100
30) Benzo(a)anthracene	20.95	228	7838	0.401	ng	99
31) Chrysene	21.01	228	7875	0.376	ng	99
32) Bis(2-ethylhexyl)phthalate	20.92	149	13595	0.640	ng	99
33) Indeno(1,2,3-cd)pyrene	25.52	276	9648	0.509	ng	# 94
35) Benzo(b)fluoranthene	22.54	252	7301	0.356	ng	# 90
36) Benzo(k)fluoranthene	22.59	252	8674	0.362	ng	# 89
37) Benzo(a)pyrene	23.12	252	7498	0.388	ng	93
38) Dibenzo(a,h)anthracene	25.55	278	8172	0.424	ng	99
39) Benzo(g,h,i)perylene	26.23	276	7847	0.384	ng	# 90

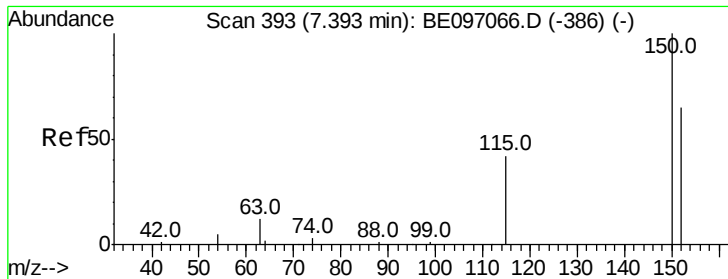
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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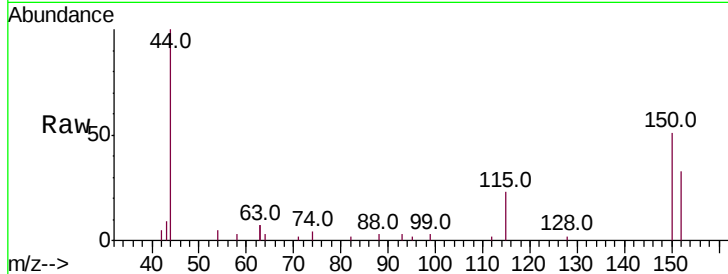


#1

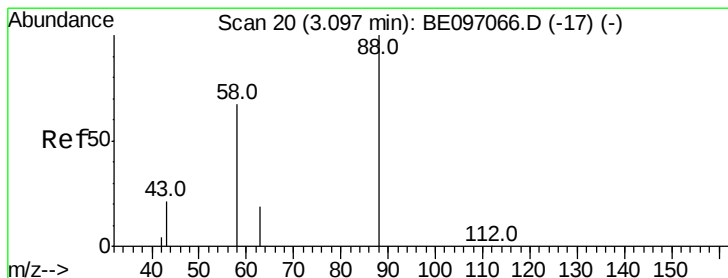
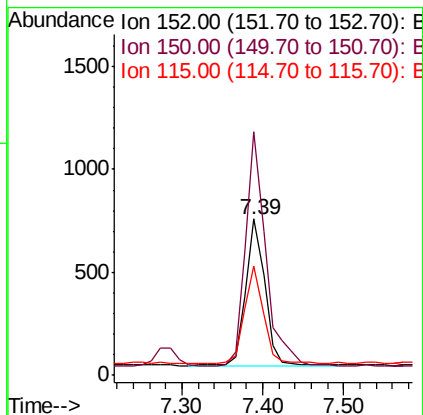
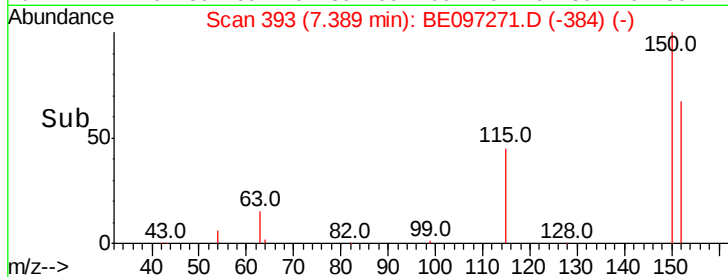
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097271.D
Acq: 10 Aug 2018 20:45

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1151
Ion Ratio Lower Upper
152 100
150 155.9 117.2 175.8
115 70.3 57.0 85.6



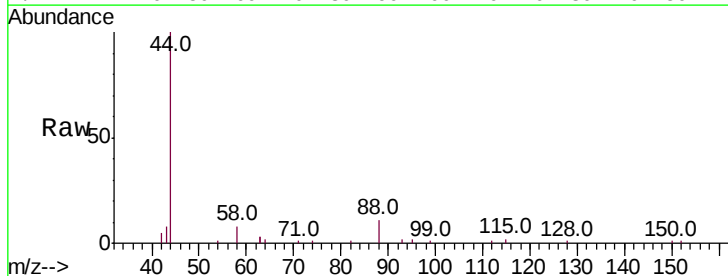
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



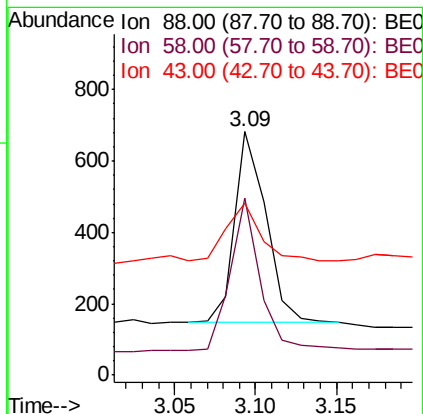
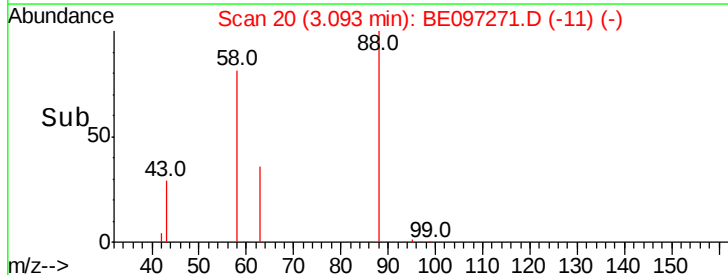
#2

1,4-Dioxane
Concen: 0.391 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097271.D
Acq: 10 Aug 2018 20:45

Tgt Ion: 88 Resp: 715
Ion Ratio Lower Upper
88 100
58 78.5 63.2 94.8
43 43.6 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



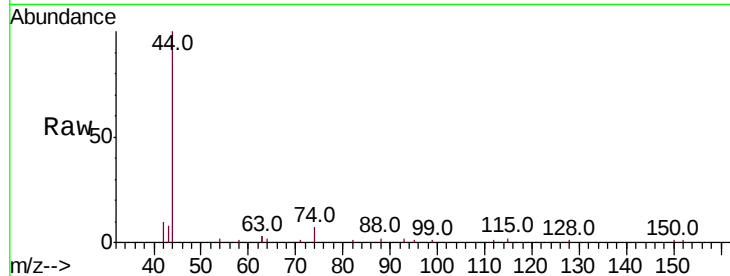


#3

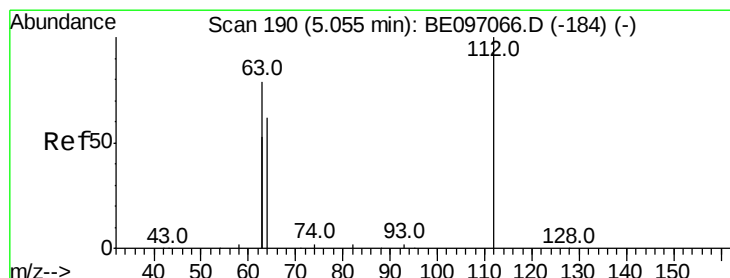
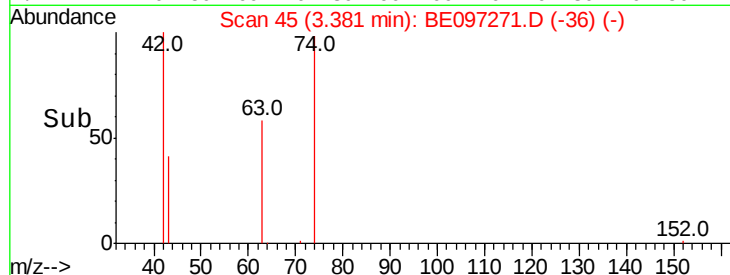
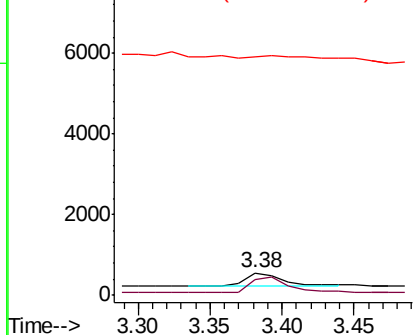
n-Nitrosodimethylamine
 Concen: 0.281 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE097271.D
 Acq: 10 Aug 2018 20:45

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 574
 Ion Ratio Lower Upper
 42 100
 74 125.8 96.0 144.0
 44 0.0 12.0 18.0#



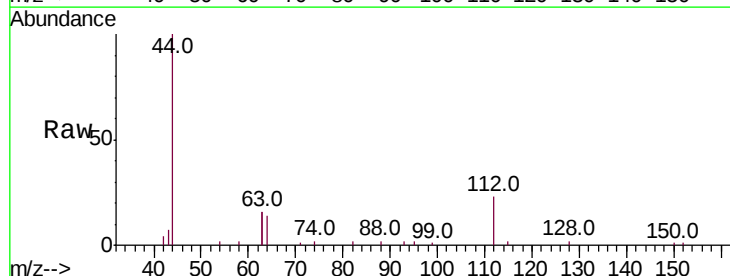
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



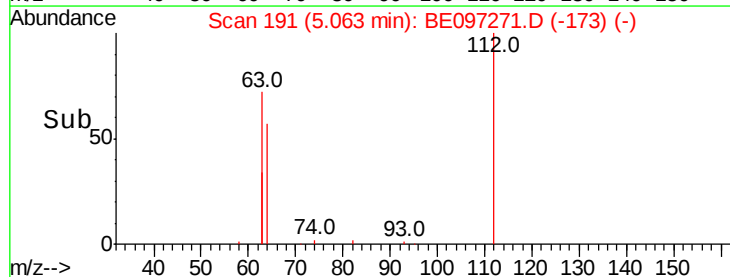
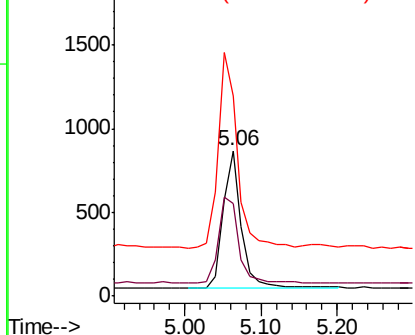
#4

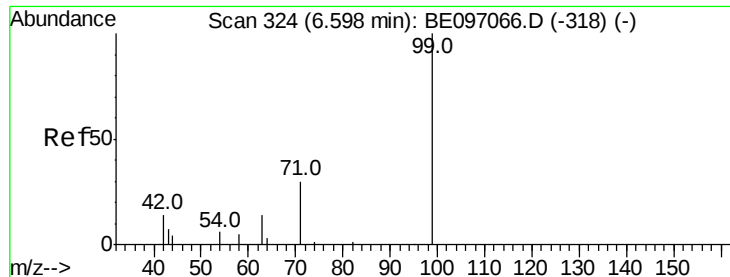
2-Fluorophenol
 Concen: 0.438 ng
 RT: 5.06 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE097271.D
 Acq: 10 Aug 2018 20:45

Tgt Ion: 112 Resp: 1416
 Ion Ratio Lower Upper
 112 100
 64 66.0 60.1 90.1
 63 142.5 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.449 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampleId :

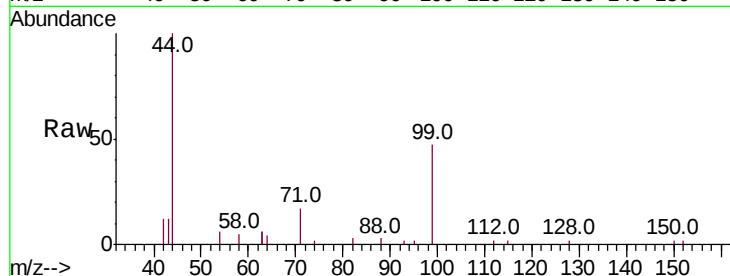
Tot Ion: 99 Resp: 2133

Ion Ratio Lower Upper

99 100

42 22.7 20.2 30.2

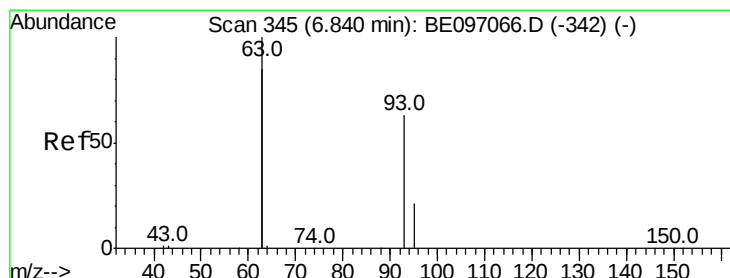
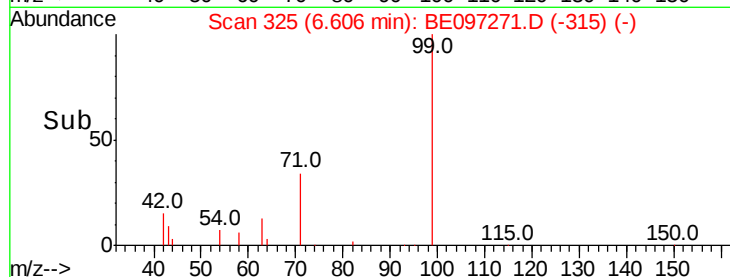
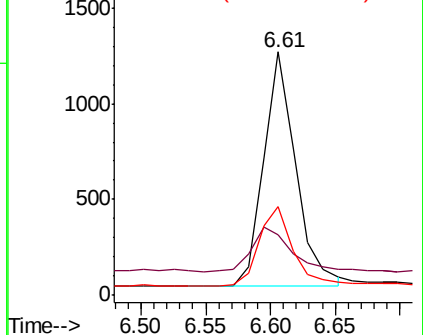
71 35.4 28.4 42.6



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: 0.371 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

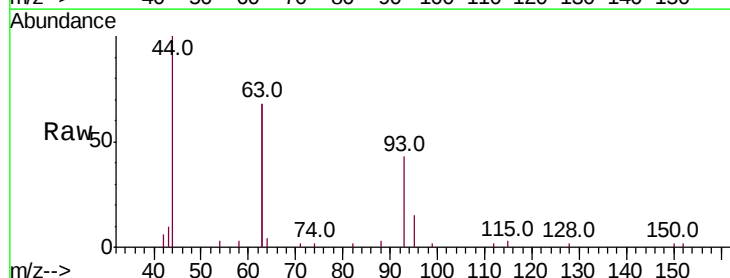
Tgt Ion: 93 Resp: 1608

Ion Ratio Lower Upper

93 100

63 332.3 275.3 412.9

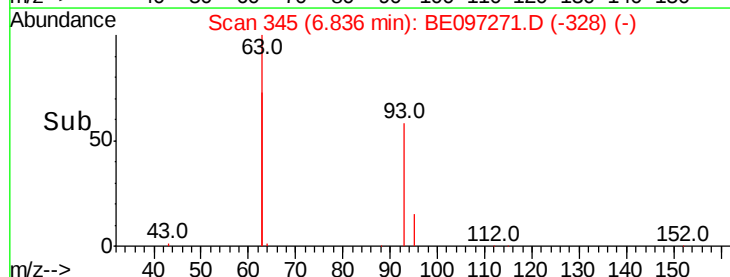
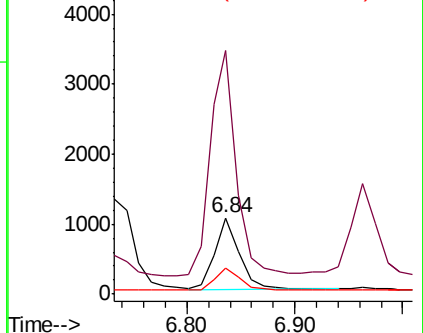
95 33.4 25.2 37.8



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: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 6272

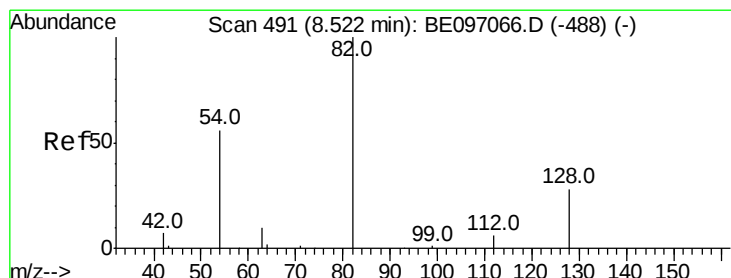
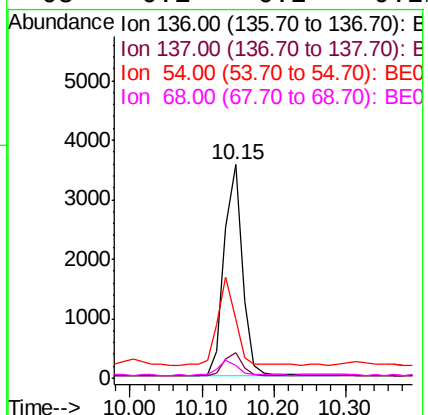
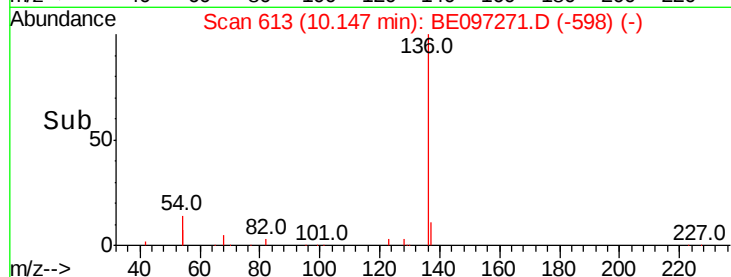
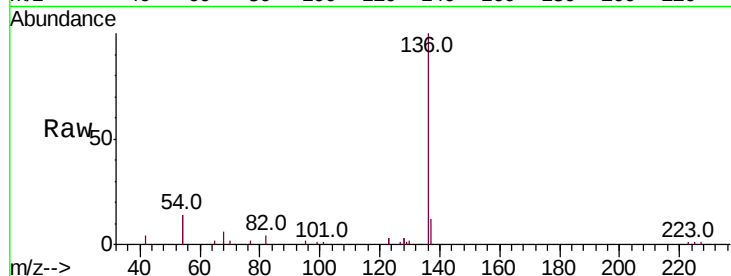
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 27.4 29.1 43.7#

68 6.1 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.392 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

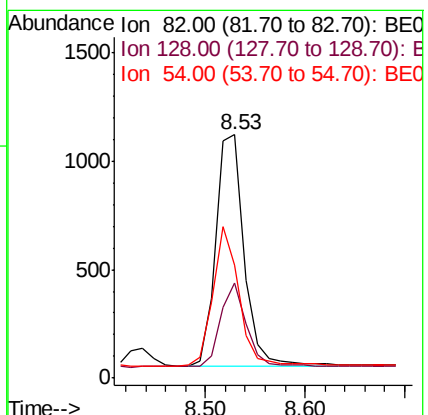
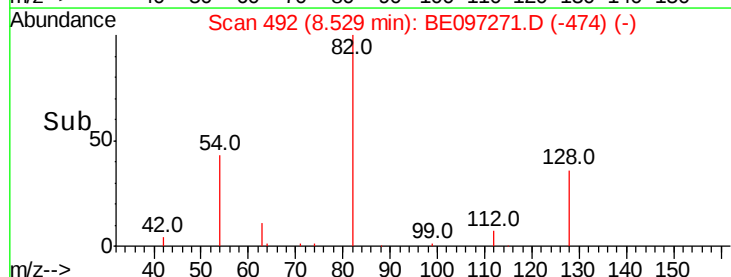
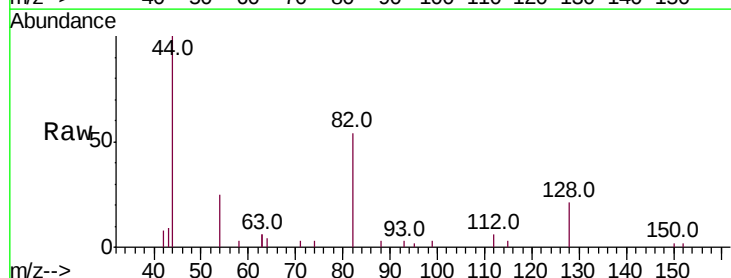
Tgt Ion: 82 Resp: 2138

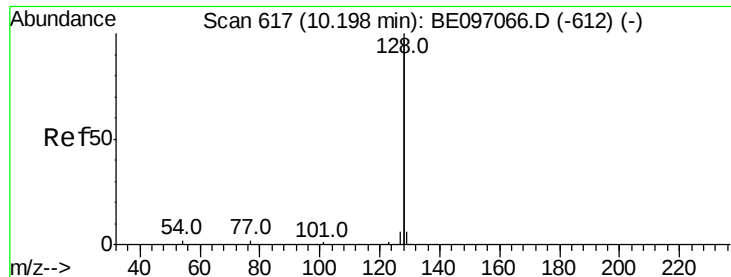
Ion Ratio Lower Upper

82 100

128 38.9 24.0 36.0#

54 46.3 40.0 60.0





#9

Naphthalene

Concen: 0.377 ng

RT: 10.19 min Scan# 616

Delta R.T. -0.01 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampleId :

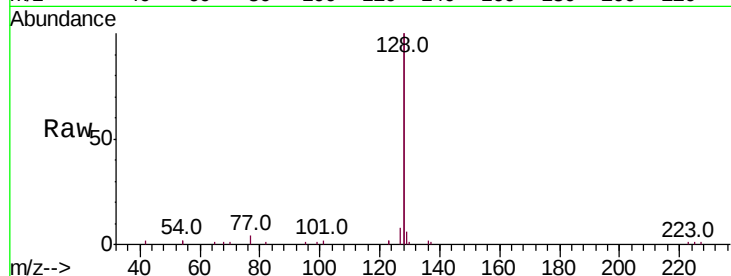
Tot Ion:128 Resp: 21209

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

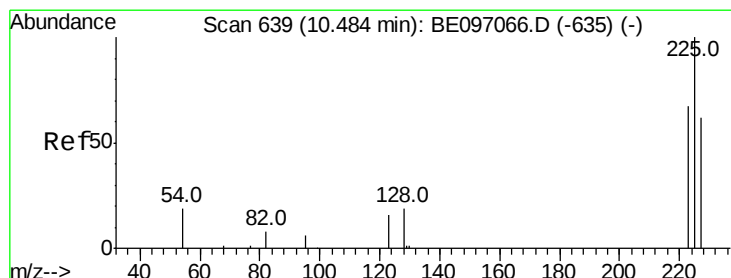
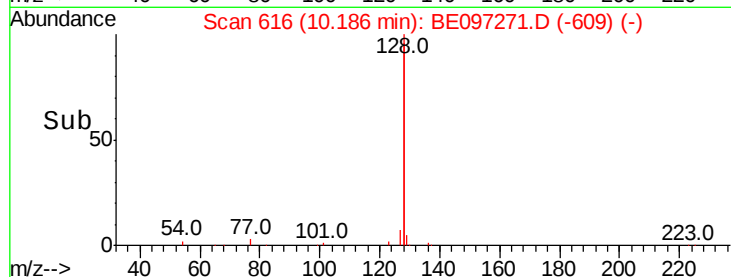
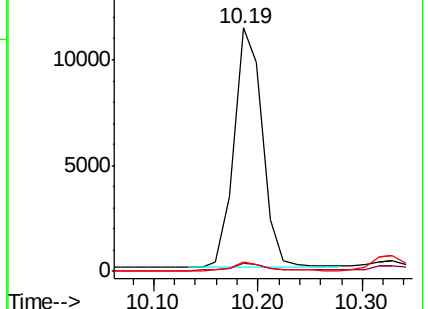
127 3.8 2.8 4.2



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: 0.387 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

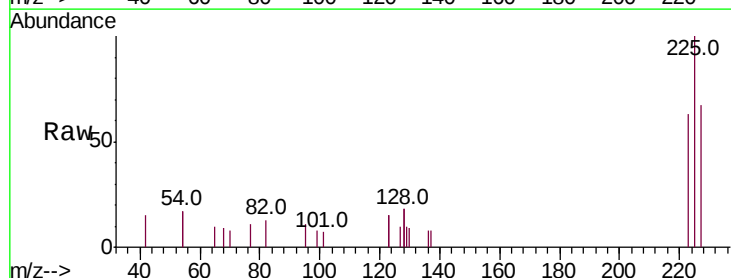
Tgt Ion:225 Resp: 977

Ion Ratio Lower Upper

225 100

223 62.4 53.0 79.6

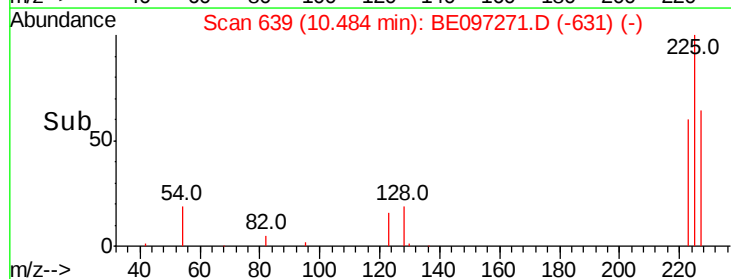
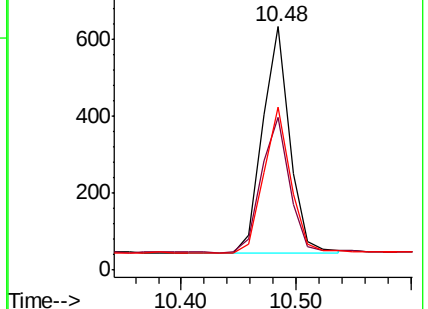
227 63.7 51.4 77.2



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: 0.362 ng

RT: 11.72 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

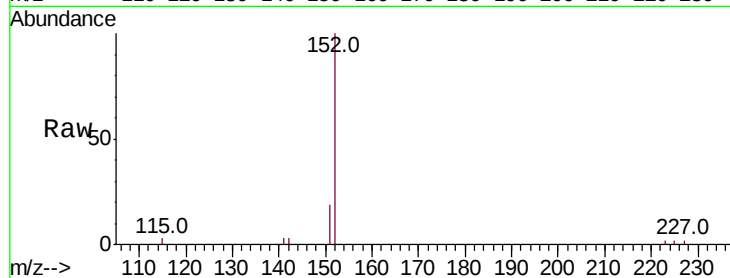
ClientSampleId :

Tot Ion:152 Resp: 3401

Ion Ratio Lower Upper

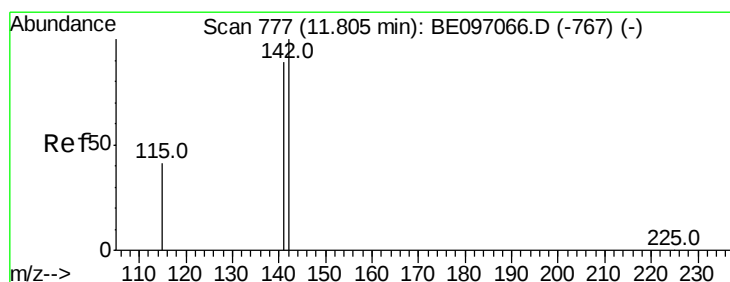
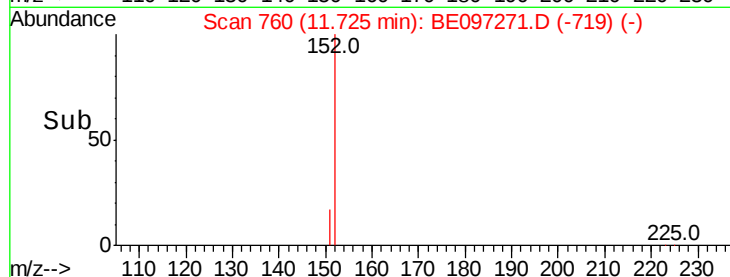
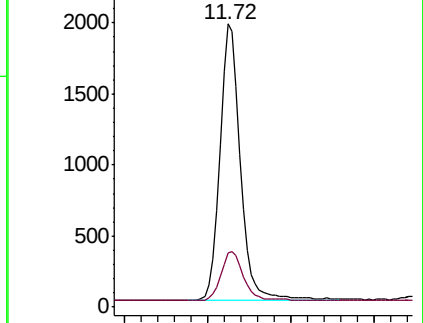
152 100

151 19.5 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: 0.365 ng

RT: 11.80 min Scan# 776

Delta R.T. -0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

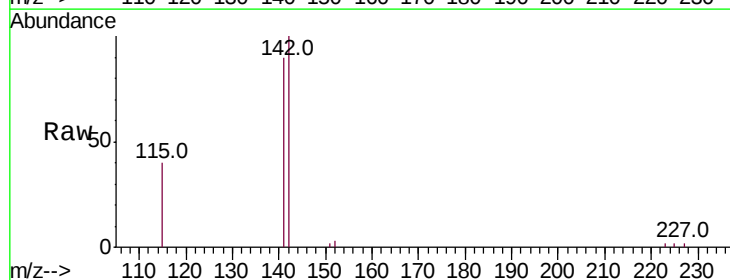
Tgt Ion:142 Resp: 3524

Ion Ratio Lower Upper

142 100

141 89.6 70.4 105.6

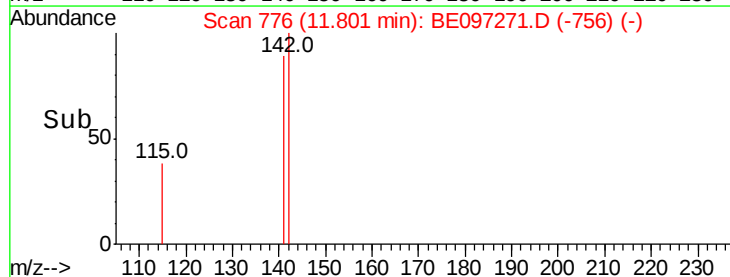
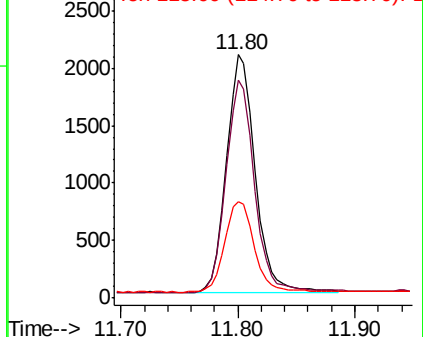
115 39.8 31.7 47.5

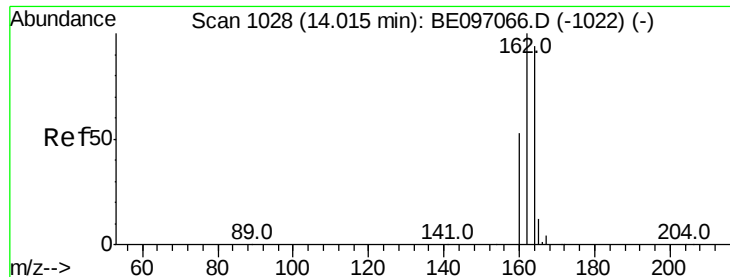


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampleId :

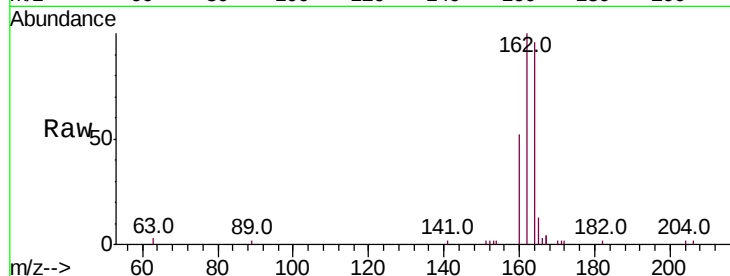
Tot Ion:164 Resp: 3571

Ion Ratio Lower Upper

164 100

162 104.3 83.1 124.7

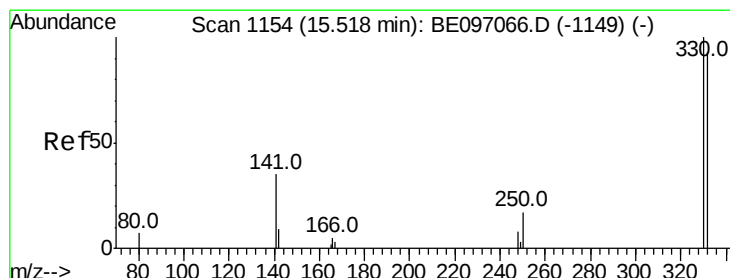
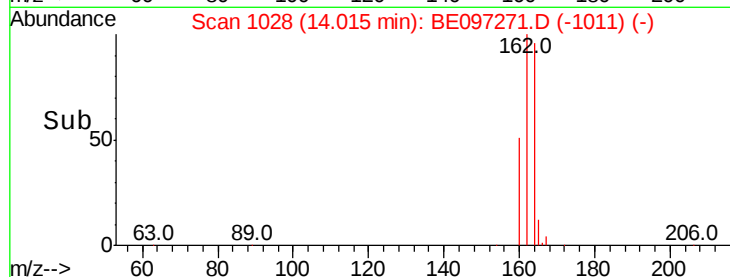
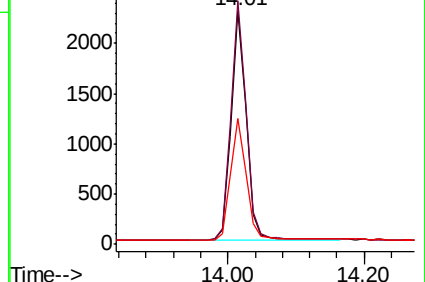
160 53.8 37.1 55.7



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: 0.389 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

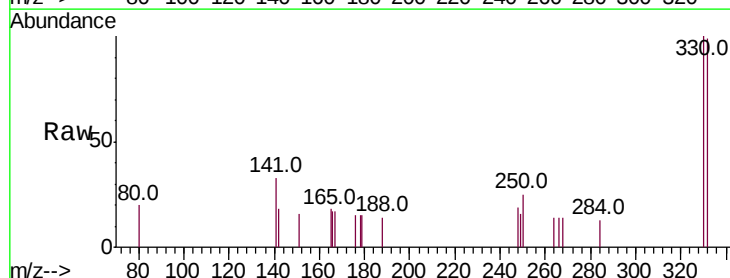
Tgt Ion:330 Resp: 457

Ion Ratio Lower Upper

330 100

332 98.0 152.7 229.1#

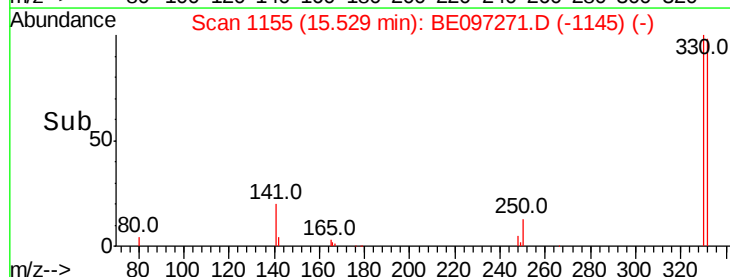
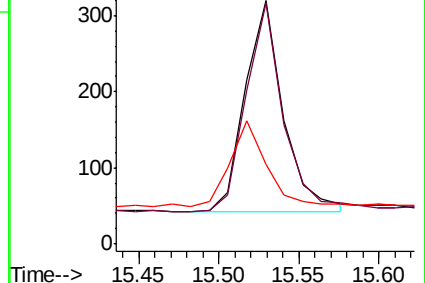
141 38.9 33.7 50.5

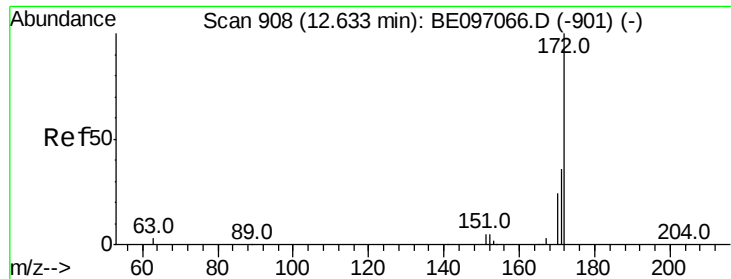


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

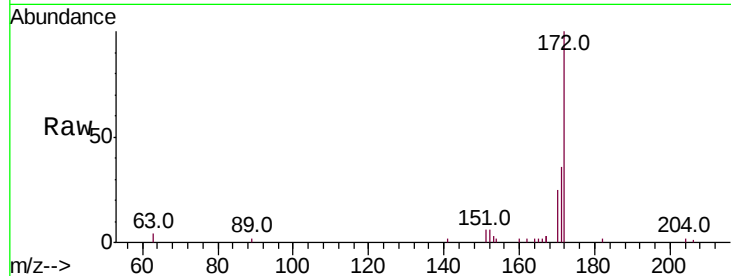




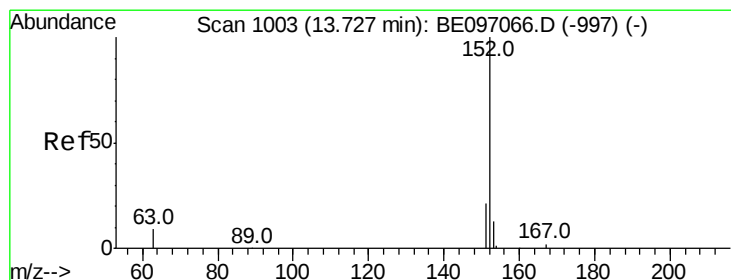
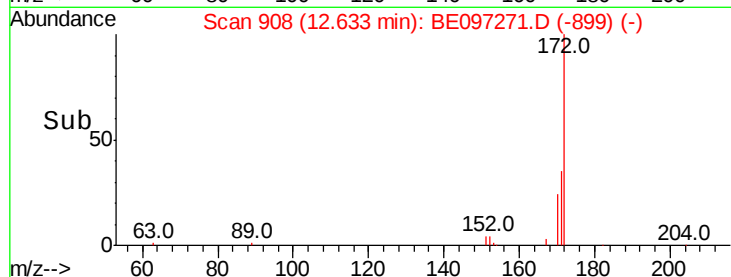
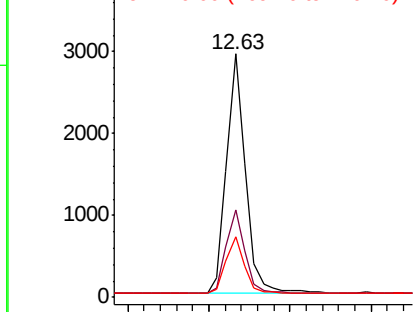
#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097271.D
Acq: 10 Aug 2018 20:45

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 4789
Ion Ratio Lower Upper
172 100
171 35.8 29.9 44.9
170 25.1 21.8 32.8

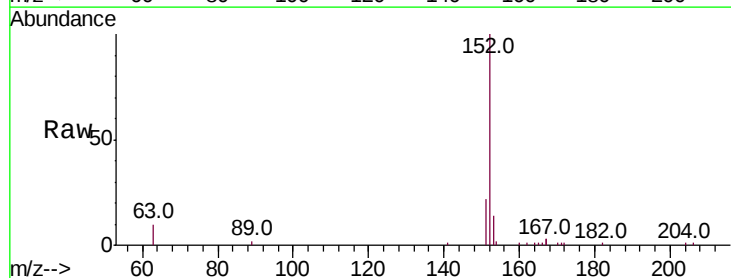


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

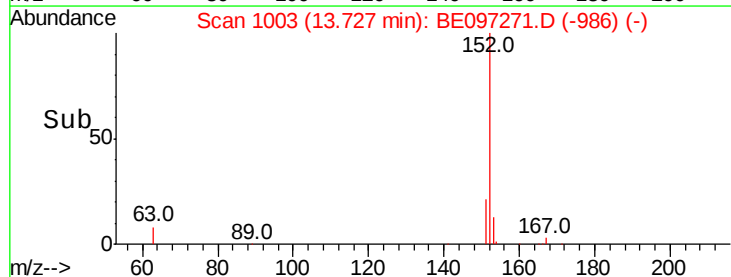
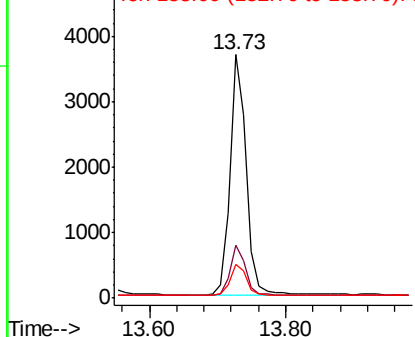


#16
Acenaphthylene
Concen: 0.381 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097271.D
Acq: 10 Aug 2018 20:45

Tgt Ion:152 Resp: 6106
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 12.9 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: 0.378 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampleId :

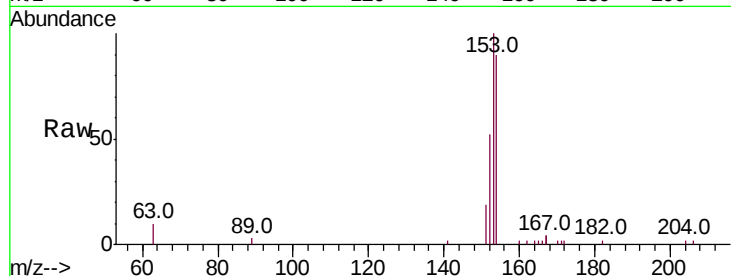
Tot Ion:154 Resp: 3523

Ion Ratio Lower Upper

154 100

153 116.4 89.2 133.8

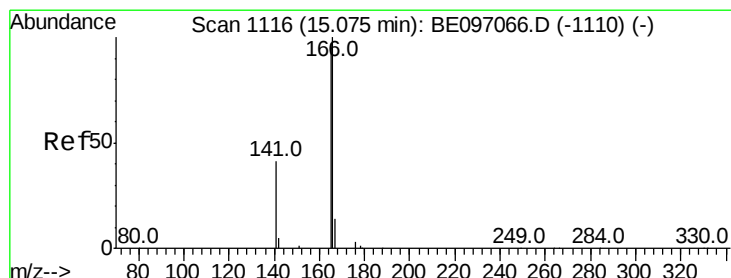
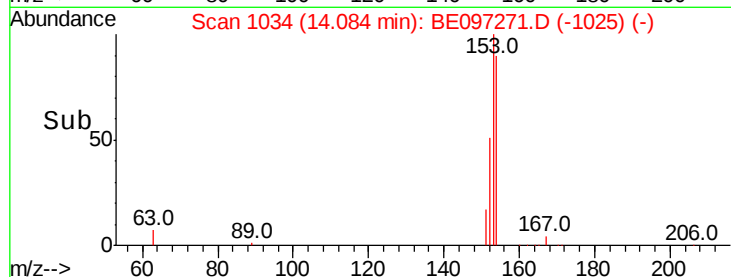
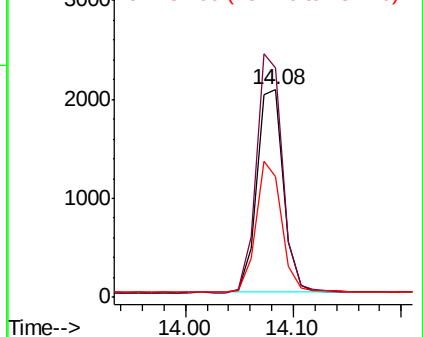
152 62.7 42.0 63.0



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: 0.352 ng

RT: 15.07 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

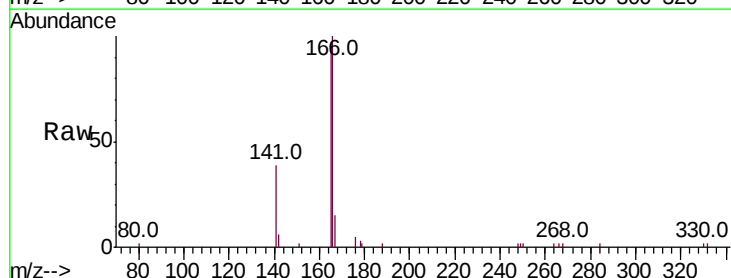
Tgt Ion:166 Resp: 4335

Ion Ratio Lower Upper

166 100

165 99.7 77.8 116.6

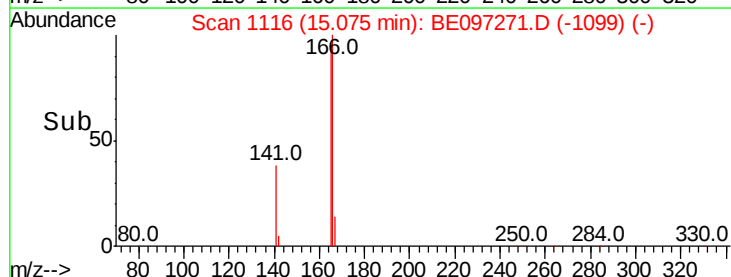
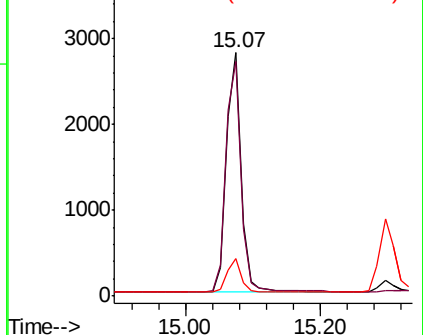
167 13.9 42.4 63.6#



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: 16.76 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampleId :

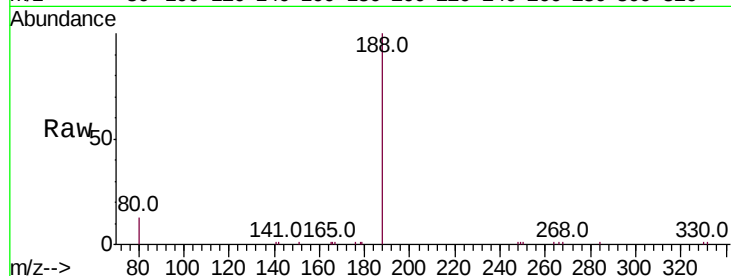
Tot Ion:188 Resp: 8038

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

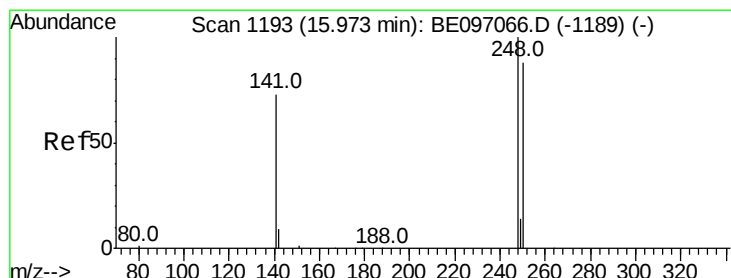
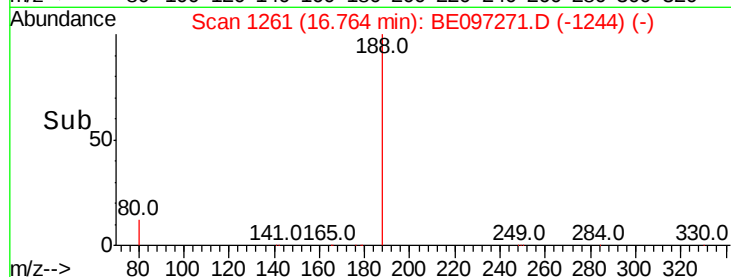
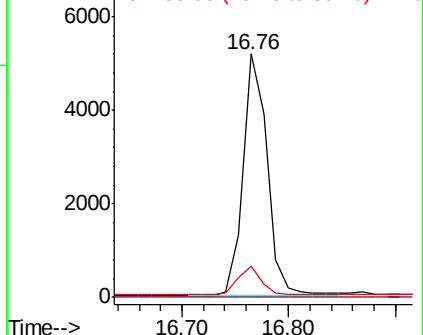
80 12.8 3.6 5.4#



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: 0.400 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

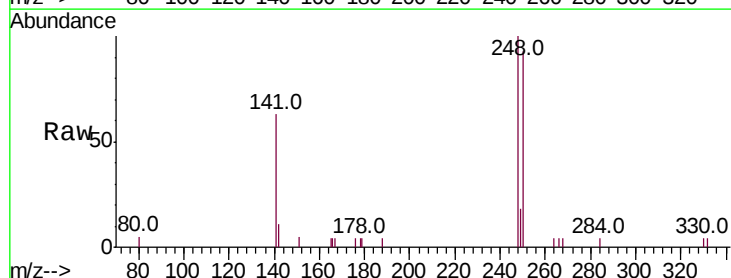
Tgt Ion:248 Resp: 1562

Ion Ratio Lower Upper

248 100

250 92.7 62.7 94.1

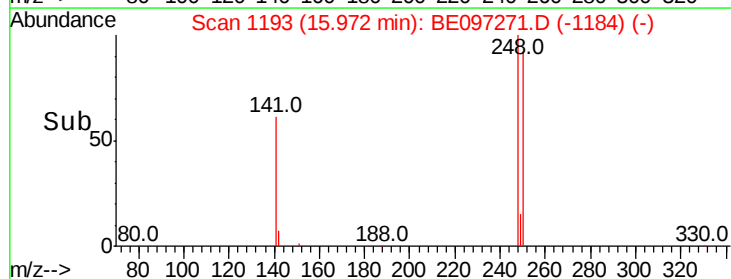
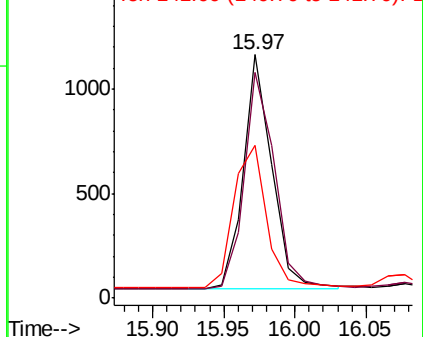
141 62.7 48.2 72.2



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: 0.411 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampled :

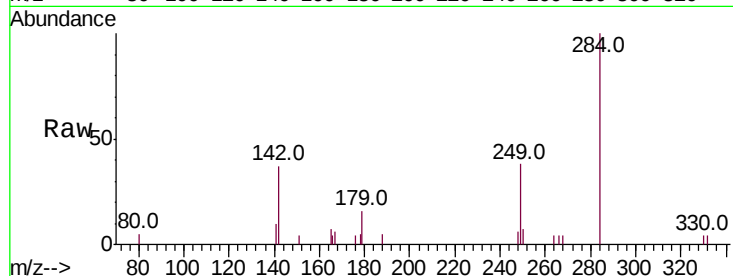
Tot Ion:284 Resp: 1723

Ion Ratio Lower Upper

284 100

142 33.8 22.1 33.1#

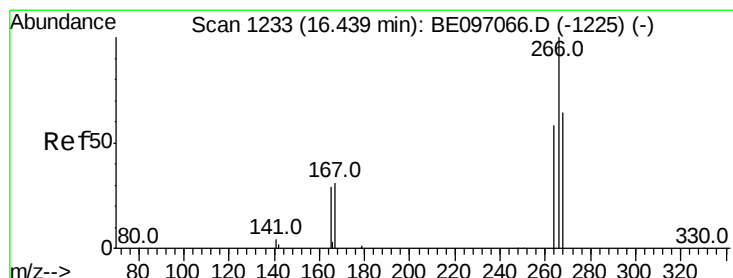
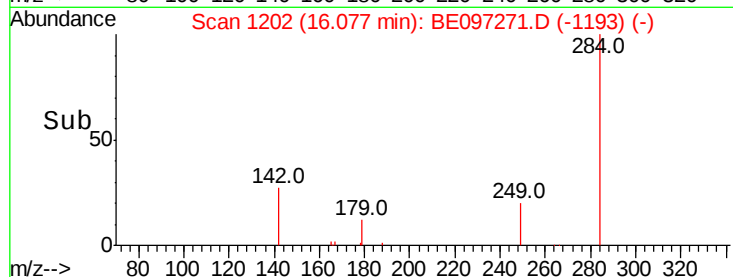
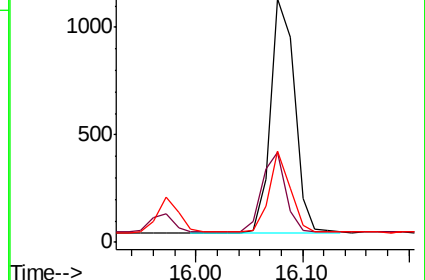
249 30.4 34.8 52.2#



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: 0.422 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

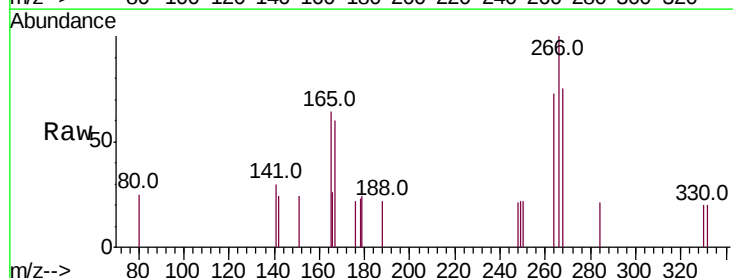
Tgt Ion:266 Resp: 415

Ion Ratio Lower Upper

266 100

264 72.8 72.5 108.7

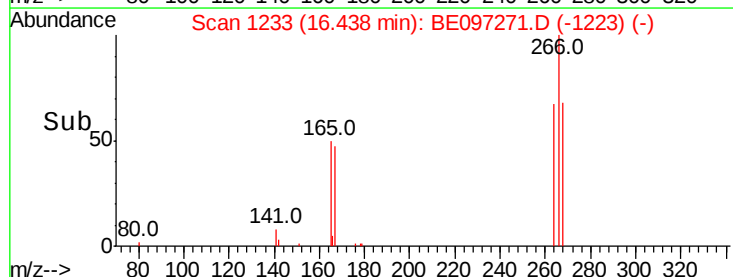
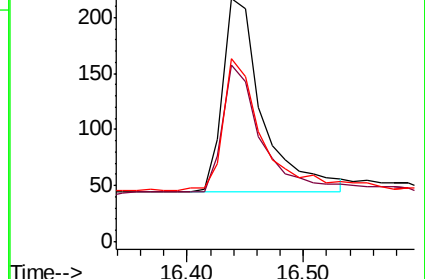
268 75.1 73.8 110.6

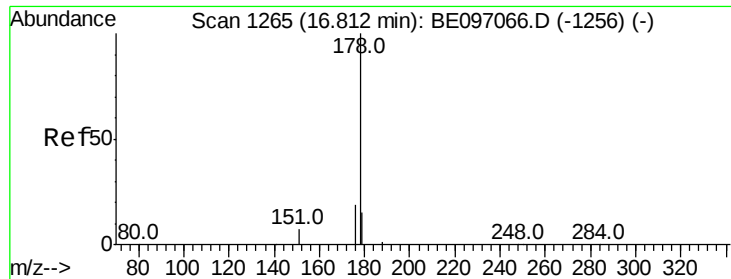


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

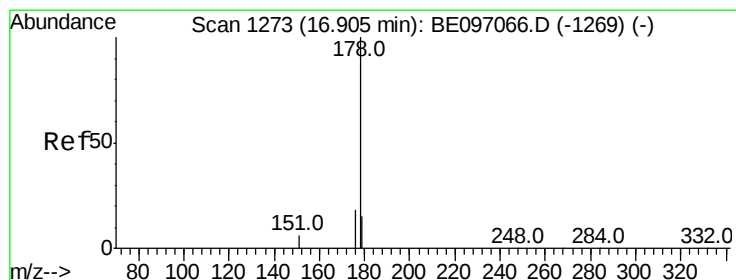
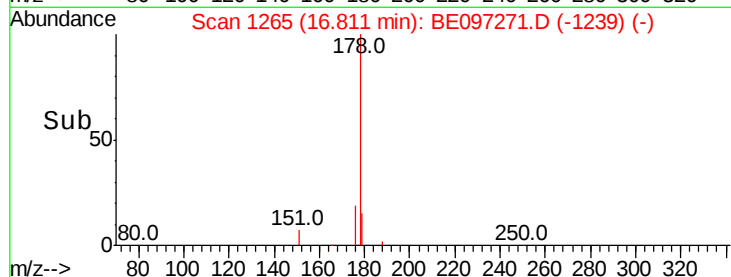
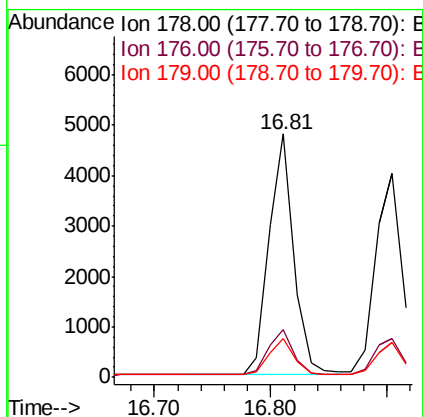
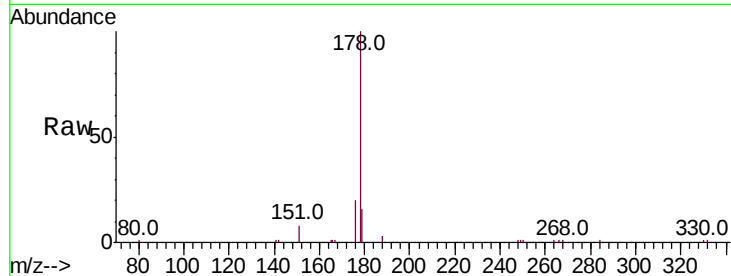




#23
Phenanthrene
Concen: 0.368 ng
RT: 16.81 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE097271.D
Acq: 10 Aug 2018 20:45

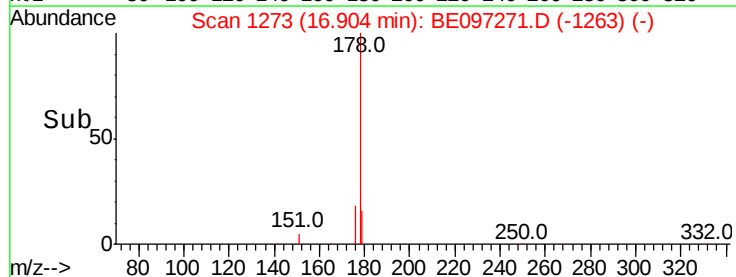
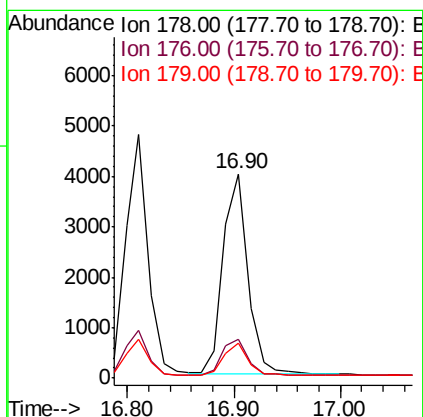
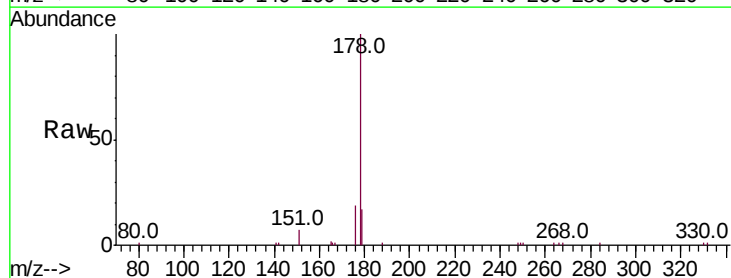
Instrument :
BNA_E
ClientSampleId :

Tot Ion:178 Resp: 7053
Ion Ratio Lower Upper
178 100
176 19.8 15.1 22.7
179 15.6 11.8 17.6



#24
Anthracene
Concen: 0.374 ng
RT: 16.90 min Scan# 1273
Delta R.T. 0.01 min
Lab File: BE097271.D
Acq: 10 Aug 2018 20:45

Tgt Ion:178 Resp: 6404
Ion Ratio Lower Upper
178 100
176 18.9 12.8 19.2
179 15.5 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.370 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampleId :

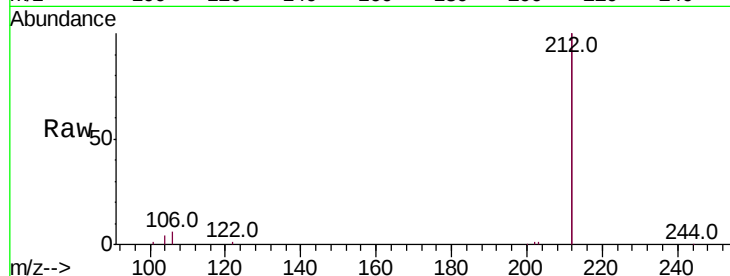
Tot Ion:212 Resp: 29754

Ion Ratio Lower Upper

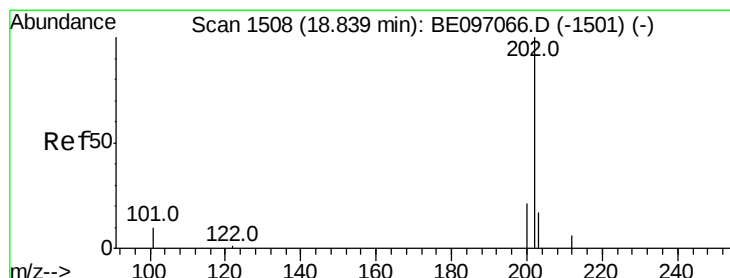
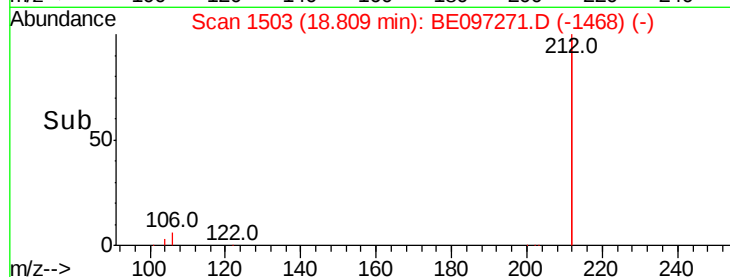
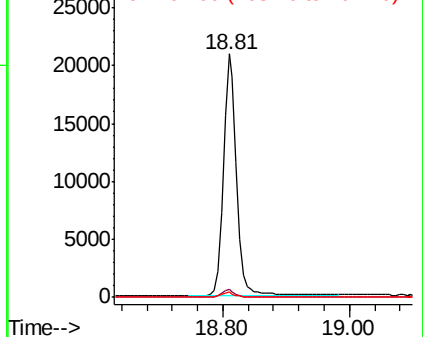
212 100

106 3.0 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: 0.365 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

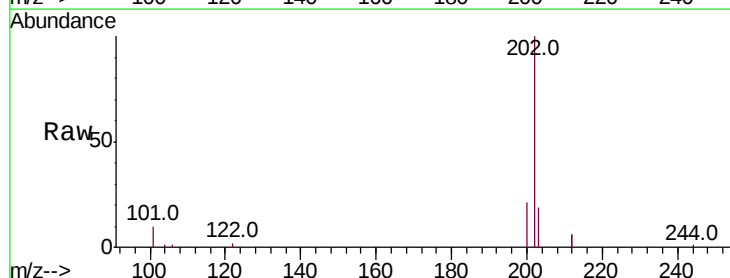
Tgt Ion:202 Resp: 7839

Ion Ratio Lower Upper

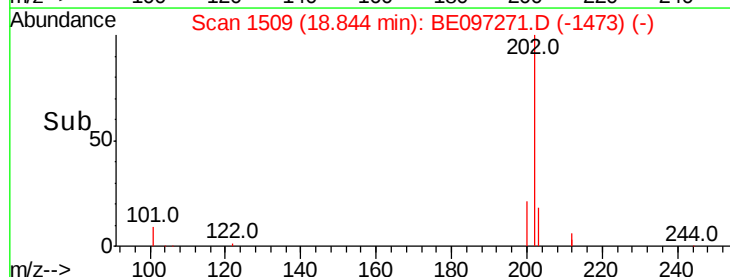
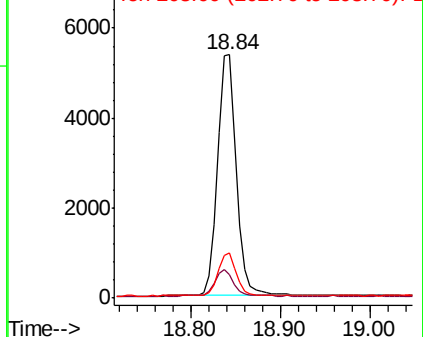
202 100

101 10.6 9.8 14.8

203 17.2 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

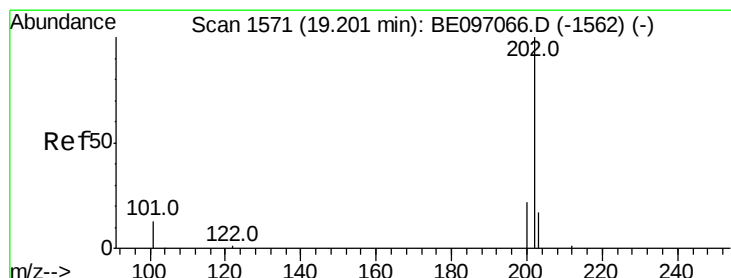
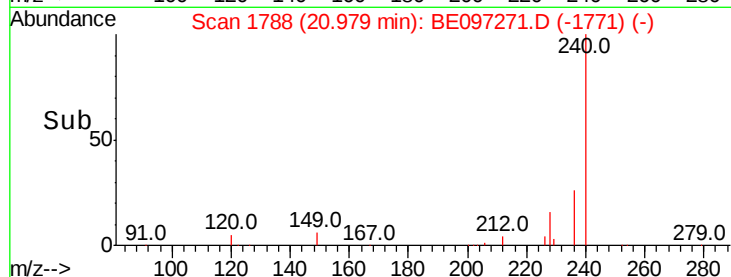
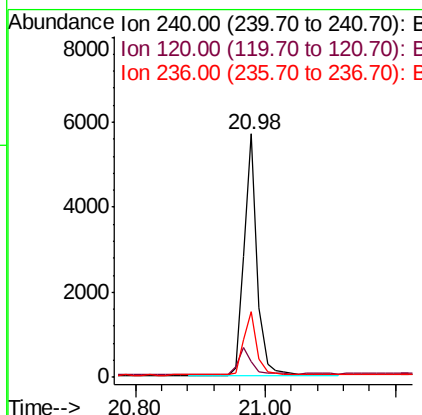
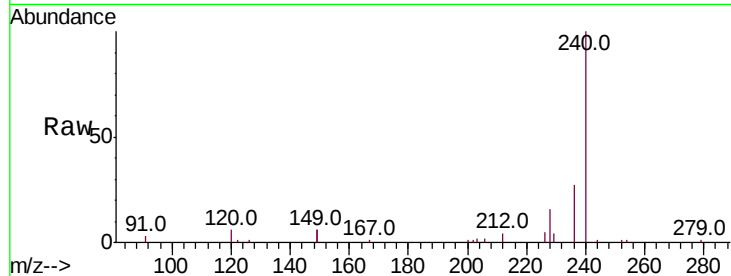




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BE097271.D
 Acq: 10 Aug 2018 20:45

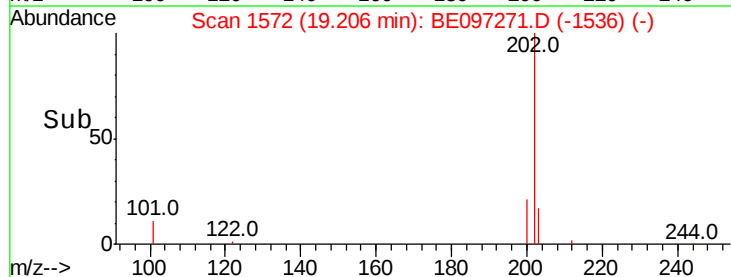
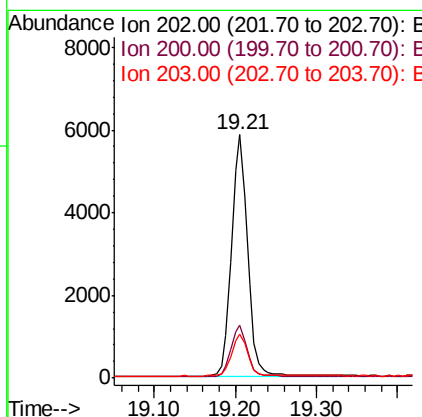
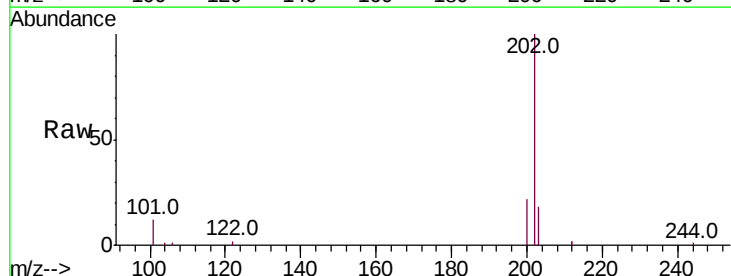
Instrument :
 BNA_E
 ClientSampleId :

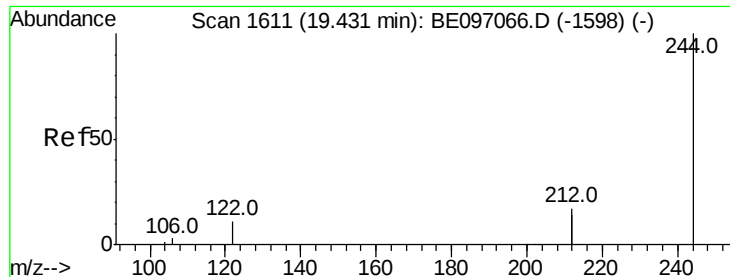
Tot Ion:240 Resp: 7847
 Ion Ratio Lower Upper
 240 100
 120 6.2 5.5 8.3
 236 26.9 20.7 31.1



#28
 Pyrene
 Concen: 0.370 ng
 RT: 19.21 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BE097271.D
 Acq: 10 Aug 2018 20:45

Tgt Ion:202 Resp: 7955
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 25.0
 203 17.4 13.8 20.8





#29

Terphenyl-d14

Concen: 0.368 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampleId :

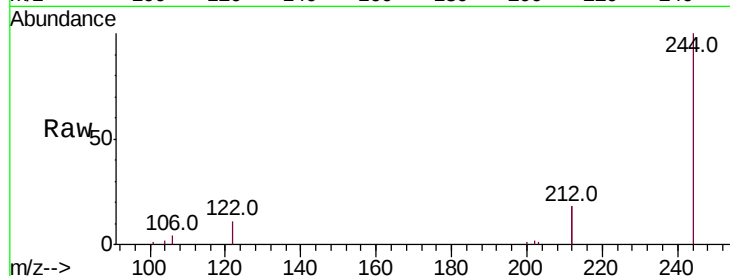
Tot Ion:244 Resp: 5549

Ion Ratio Lower Upper

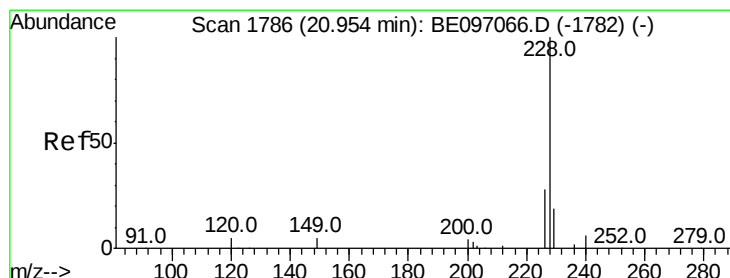
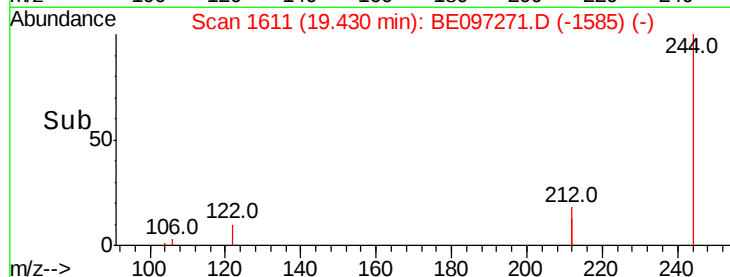
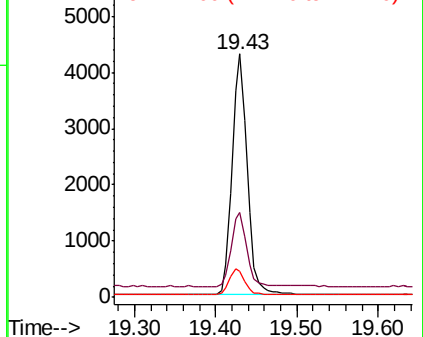
244 100

212 35.0 25.4 38.0

122 10.6 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: 0.401 ng

RT: 20.95 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

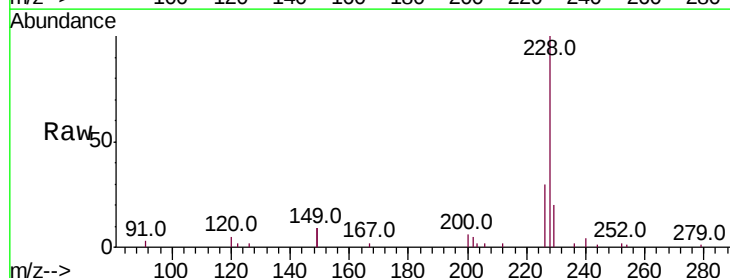
Tgt Ion:228 Resp: 7838

Ion Ratio Lower Upper

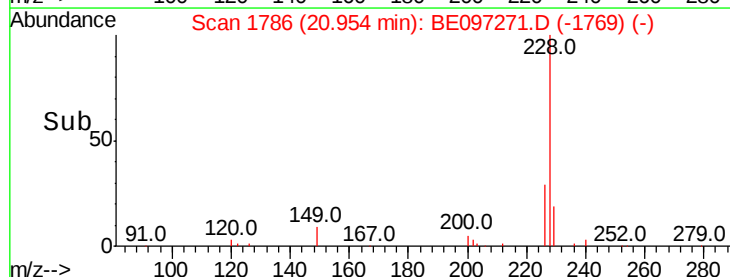
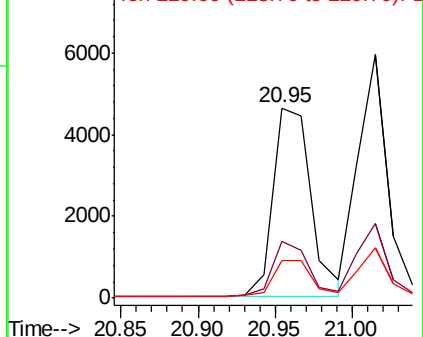
228 100

226 29.6 24.0 36.0

229 20.1 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



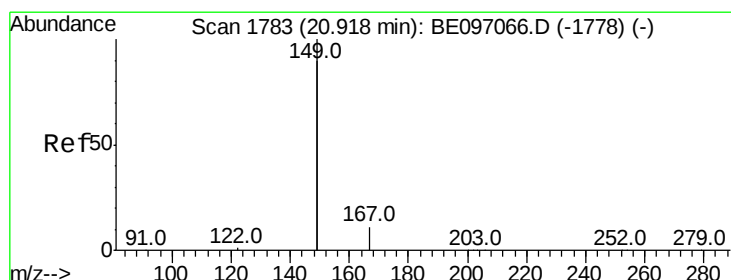
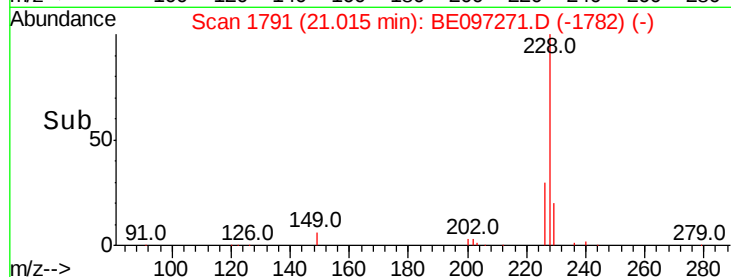
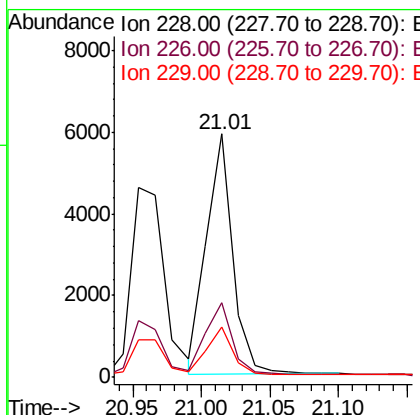
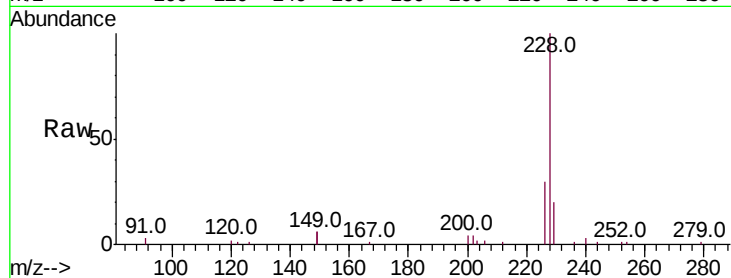


#31
 Chrysene
 Concen: 0.376 ng
 RT: 21.01 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: BE097271.D
 Acq: 10 Aug 2018 20:45

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:228 Resp: 7875

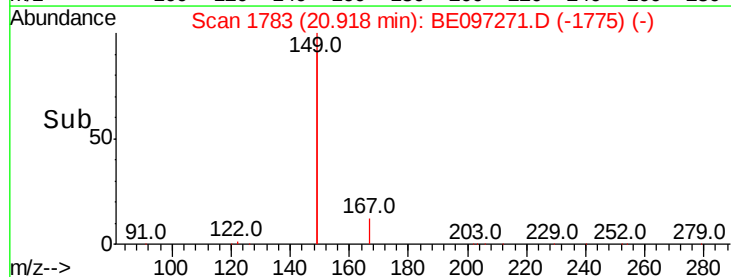
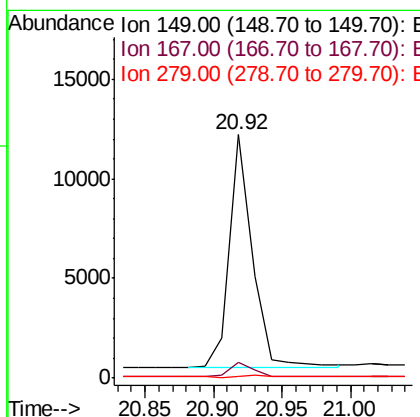
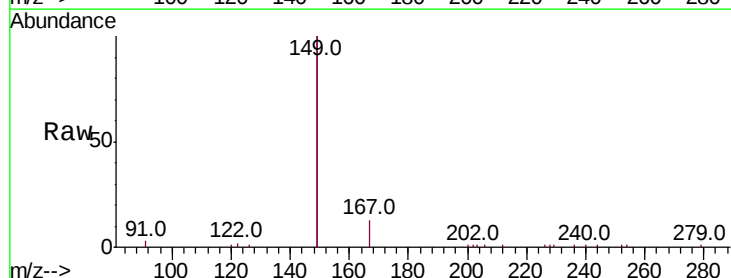
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	20.5	16.0	24.0



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.640 ng
 RT: 20.92 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BE097271.D
 Acq: 10 Aug 2018 20:45

Tgt Ion:149 Resp: 13595

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.4	8.0
279	0.9	0.7	1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.509 ng

RT: 25.52 min Scan# 2850

Delta R.T. 0.02 min

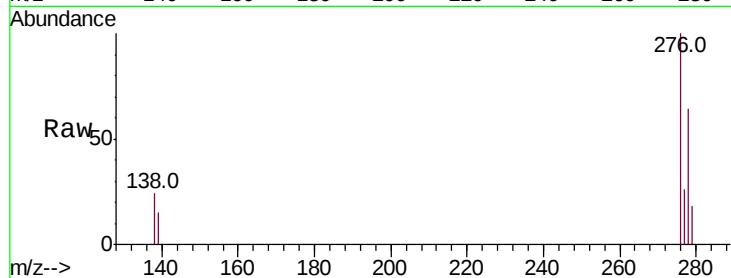
Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampleId :



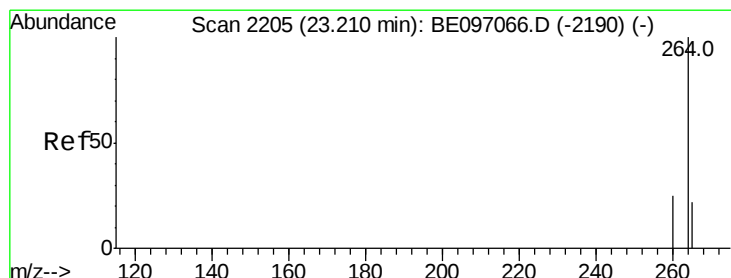
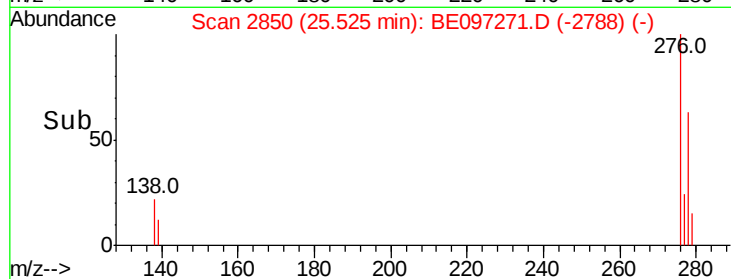
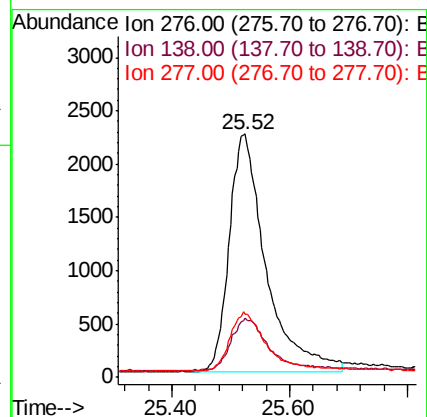
Tot Ion:276 Resp: 9648

Ion Ratio Lower Upper

276 100

138 22.2 22.5 33.7#

277 24.8 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

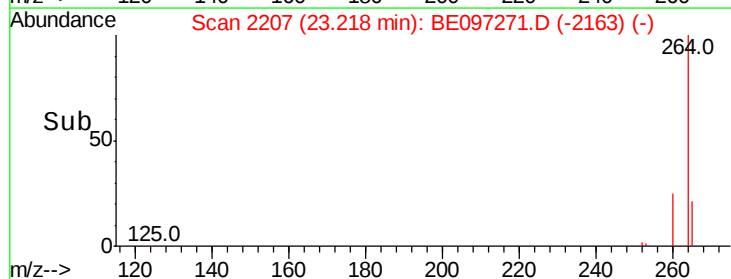
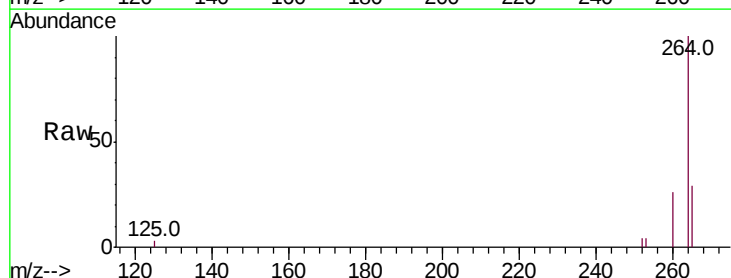
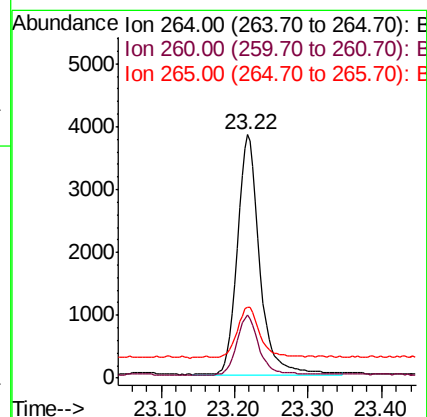
Tgt Ion:264 Resp: 8086

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 29.0 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.356 ng

RT: 22.54 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampleId :

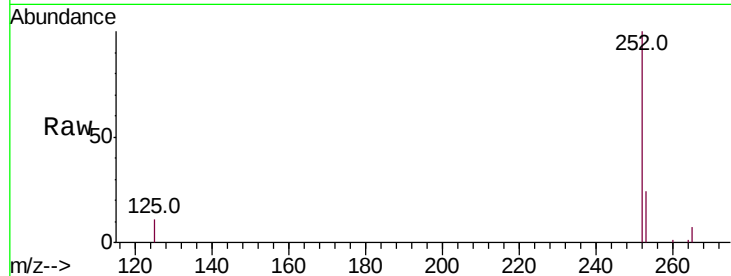
Tot Ion:252 Resp: 7301

Ion Ratio Lower Upper

252 100

253 24.2 20.0 30.0

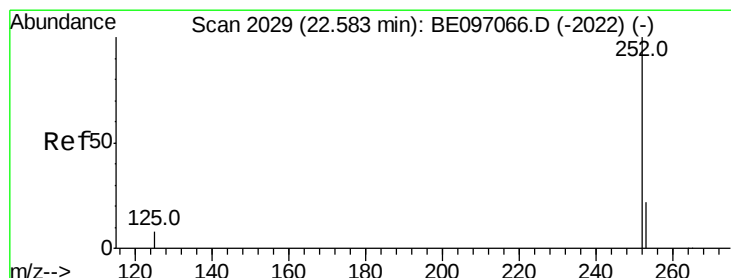
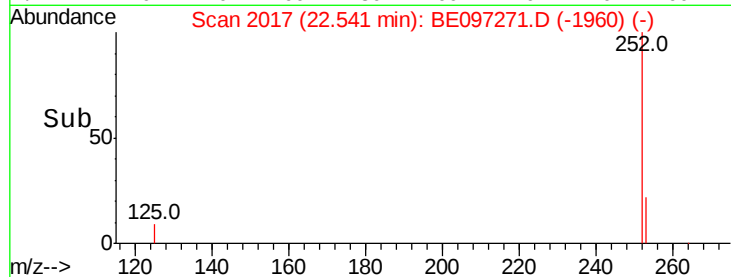
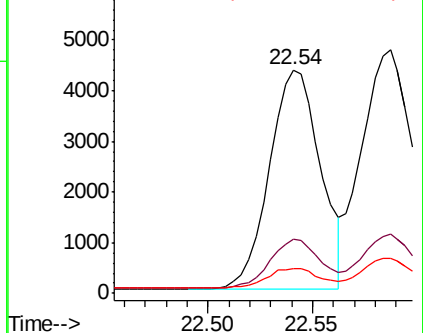
125 11.0 16.0 24.0#



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: 0.362 ng

RT: 22.59 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

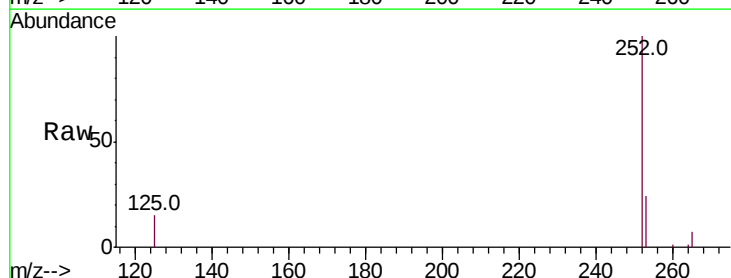
Tgt Ion:252 Resp: 8674

Ion Ratio Lower Upper

252 100

253 24.4 16.0 24.0#

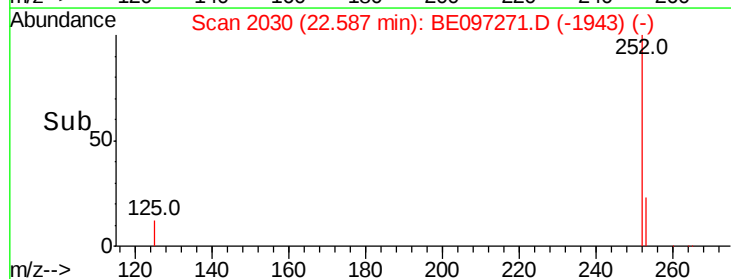
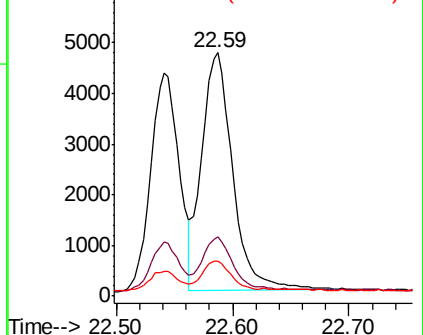
125 14.5 8.0 12.0#



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: 0.388 ng

RT: 23.12 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampleId :

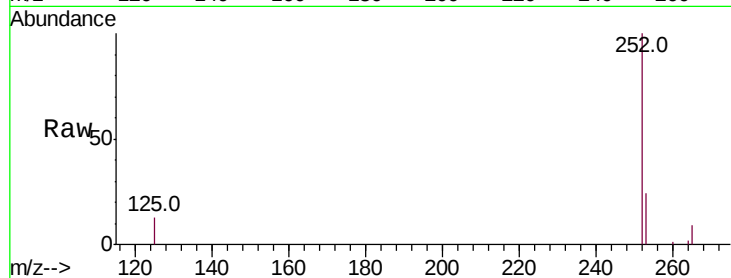
Tot Ion:252 Resp: 7498

Ion Ratio Lower Upper

252 100

253 23.9 16.0 24.0

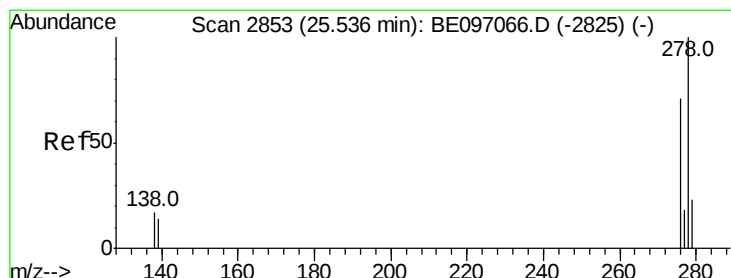
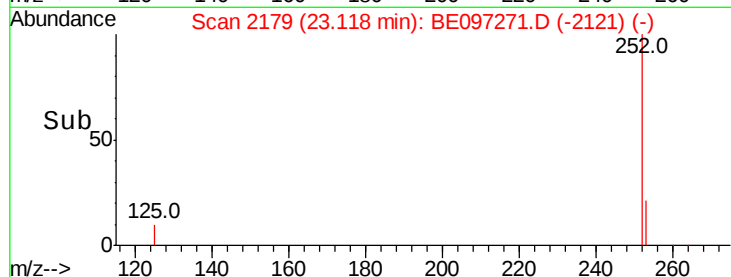
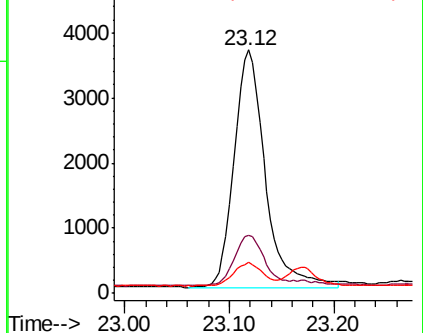
125 12.6 12.0 18.0



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: 0.424 ng

RT: 25.55 min Scan# 2856

Delta R.T. 0.01 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

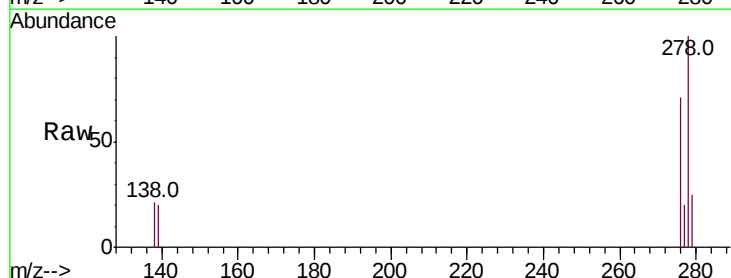
Tgt Ion:278 Resp: 8172

Ion Ratio Lower Upper

278 100

139 20.3 16.0 24.0

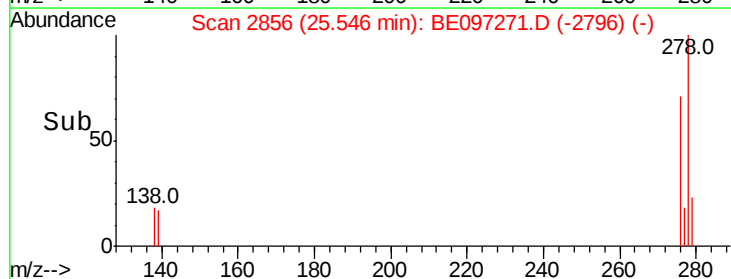
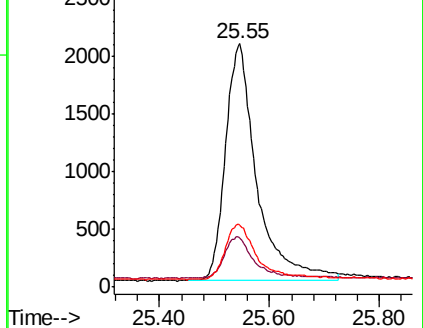
279 25.4 20.0 30.0



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: 0.384 ng

RT: 26.23 min Scan# 3047

Delta R.T. 0.02 min

Lab File: BE097271.D

Acq: 10 Aug 2018 20:45

Instrument :

BNA_E

ClientSampleId :

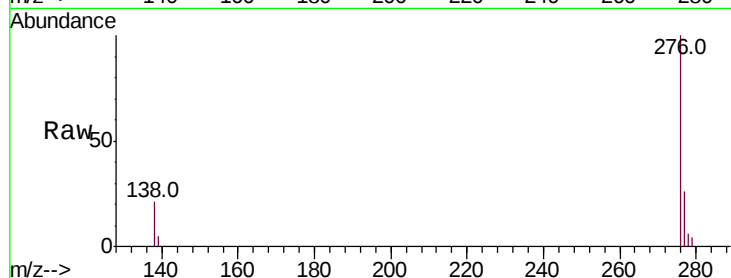
Tot Ion: 276 Resp: 7847

Ion Ratio Lower Upper

276 100

277 25.8 16.0 24.0#

138 21.3 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

