

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
 Data File : BE097113.D
 Acq On : 31 Jul 2018 9:17
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 31 10:49:33 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	1638	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	8211	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4896	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	13091	0.40	ng	0.00
27) Chrysene-d12	20.98	240	11238	0.40	ng	0.00
34) Perylene-d12	23.21	264	9698	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1434	0.31	ng	0.00
5) Phenol-d6	6.60	99	2058	0.30	ng	0.00
8) Nitrobenzene-d5	8.52	82	2760	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	4646	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	412	0.26	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	6987	0.41	ng	0.00
25) Fluoranthene-d10	18.81	212	47756	0.36	ng	0.00
29) Terphenyl-d14	19.43	244	8860	0.41	ng	0.00

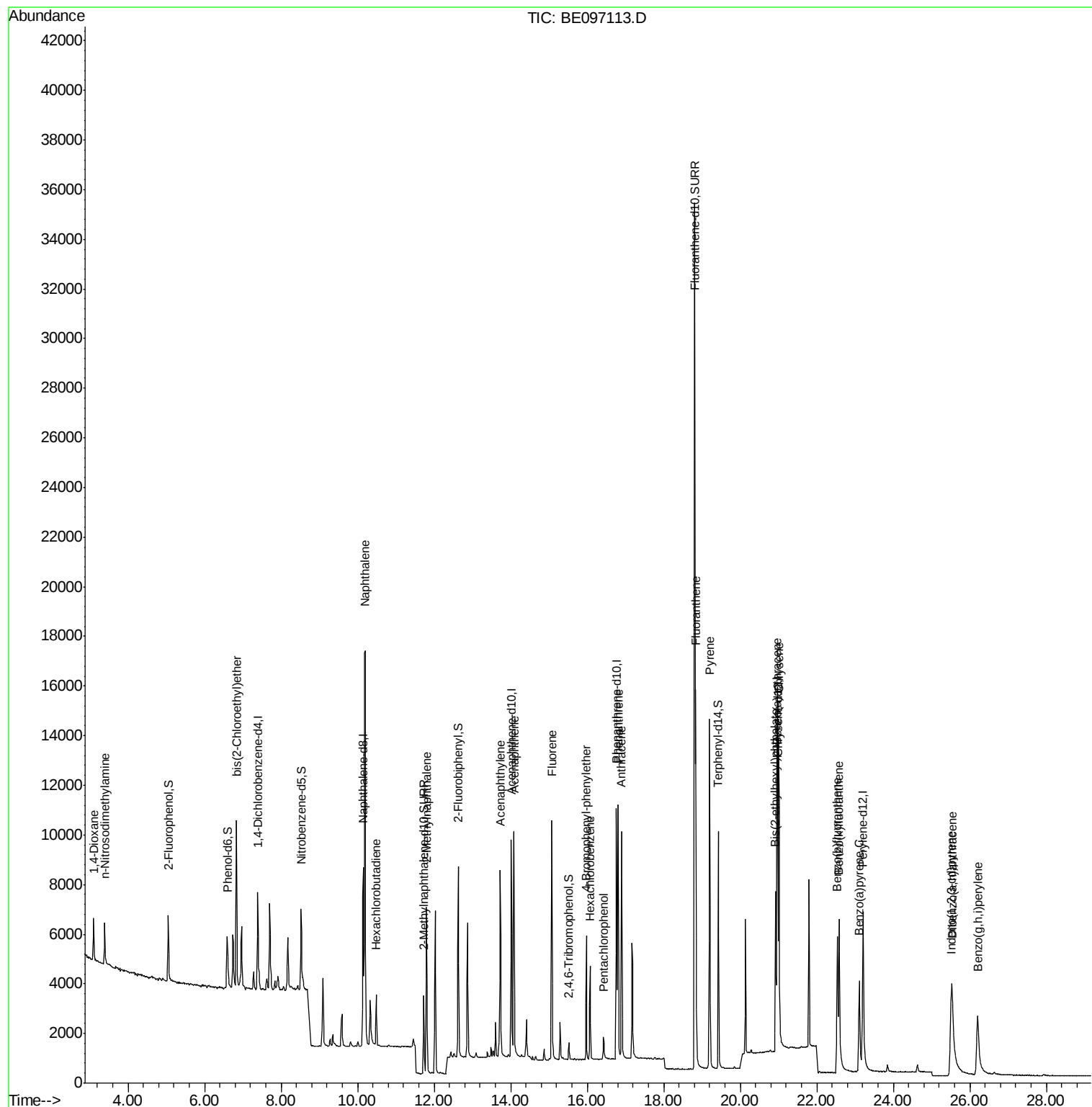
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	936	0.360	ng	91
3) n-Nitrosodimethylamine	3.38	42	1158	0.398	ng	# 87
6) bis(2-Chloroethyl)ether	6.84	93	2432	0.394	ng	94
9) Naphthalene	10.20	128	29286	0.397	ng	100
10) Hexachlorobutadiene	10.48	225	1375	0.416	ng	98
12) 2-Methylnaphthalene	11.80	142	4872	0.385	ng	97
16) Acenaphthylene	13.73	152	8704	0.396	ng	100
17) Acenaphthene	14.08	154	5043	0.395	ng	# 90
18) Fluorene	15.08	166	6256	0.371	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	2532	0.398	ng	89
21) Hexachlorobenzene	16.08	284	2897	0.424	ng	# 84
22) Pentachlorophenol	16.43	266	595	0.379	ng	# 74
23) Phenanthrene	16.81	178	12341	0.396	ng	98
24) Anthracene	16.89	178	10330	0.370	ng	95
26) Fluoranthene	18.84	202	13480	0.385	ng	98
28) Pyrene	19.20	202	12645	0.410	ng	100
30) Benzo(a)anthracene	20.95	228	9132	0.327	ng	98
31) Chrysene	21.00	228	12377	0.413	ng	97
32) Bis(2-ethylhexyl)phthalate	20.92	149	7170	0.245	ng	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	8634	0.318	ng	# 71
35) Benzo(b)fluoranthene	22.54	252	7636	0.310	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	11176	0.389	ng	96
37) Benzo(a)pyrene	23.11	252	7420	0.321	ng	93
38) Dibenzo(a,h)anthracene	25.53	278	7103	0.307	ng	97
39) Benzo(g,h,i)perylene	26.20	276	7479	0.305	ng	# 92

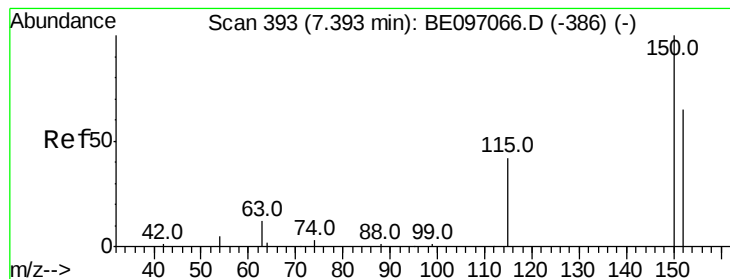
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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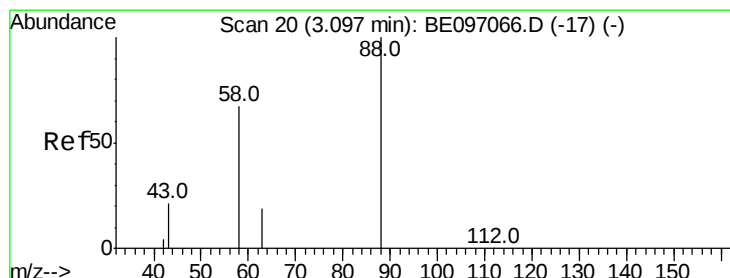
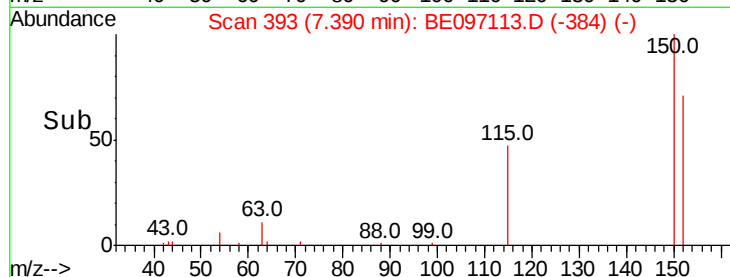
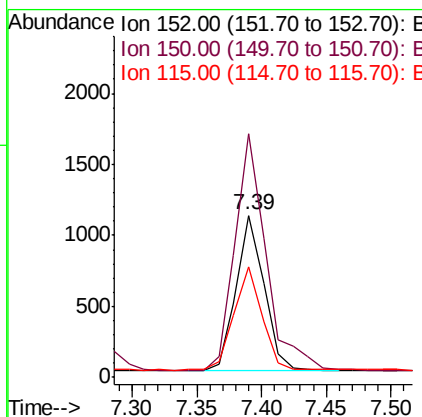
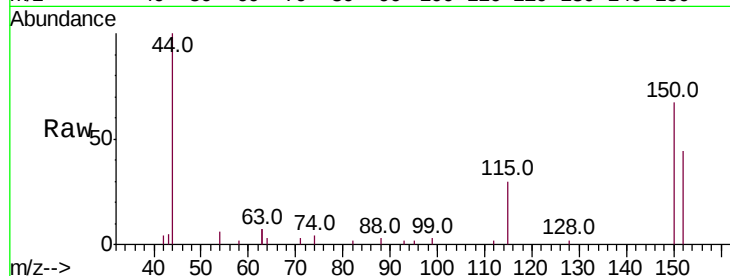




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.39 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: BE097113.D
 Acq: 31 Jul 2018 9:17

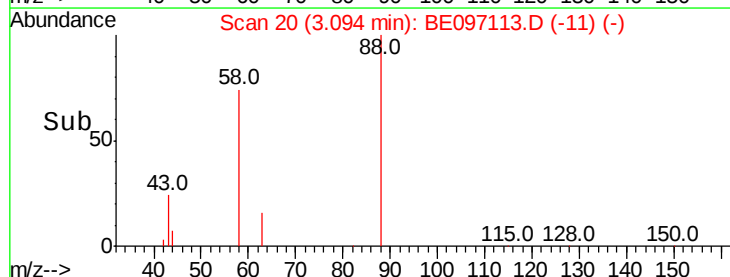
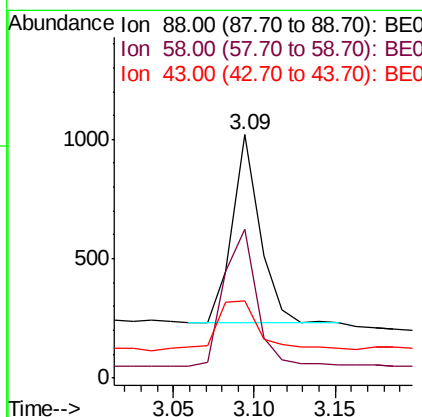
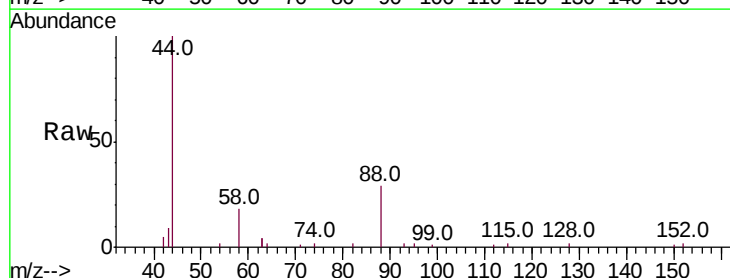
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 1638
 Ion Ratio Lower Upper
 152 100
 150 150.4 117.2 175.8
 115 68.5 57.0 85.6



#2
 1,4-Dioxane
 Concen: 0.360 ng
 RT: 3.09 min Scan# 20
 Delta R.T. 0.00 min
 Lab File: BE097113.D
 Acq: 31 Jul 2018 9:17

Tgt Ion: 88 Resp: 936
 Ion Ratio Lower Upper
 88 100
 58 86.1 63.2 94.8
 43 43.5 41.2 61.8





#3

n-Nitrosodimethylamine

Concen: 0.398 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

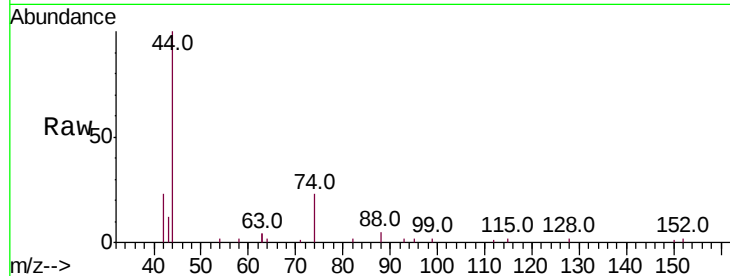
Tot Ion: 42 Resp: 1158

Ion Ratio Lower Upper

42 100

74 105.7 96.0 144.0

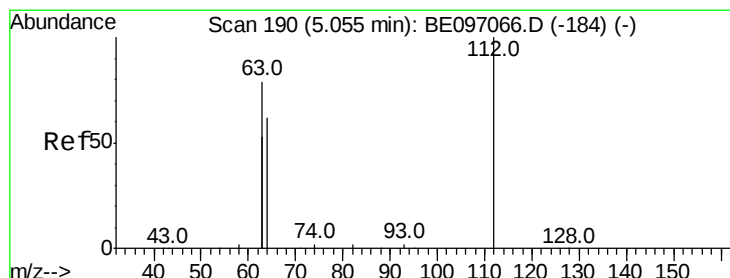
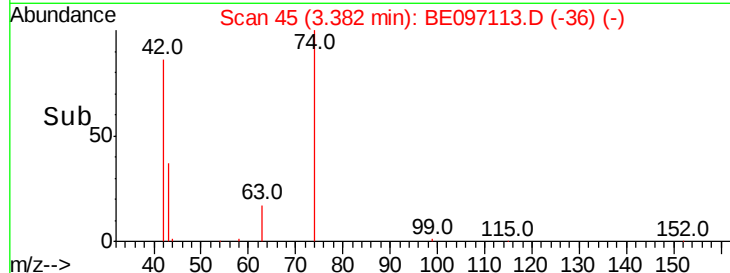
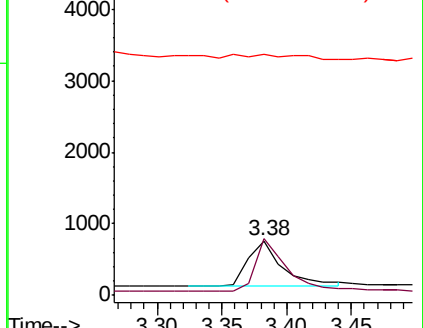
44 20.6 12.0 18.0#



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: 0.311 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

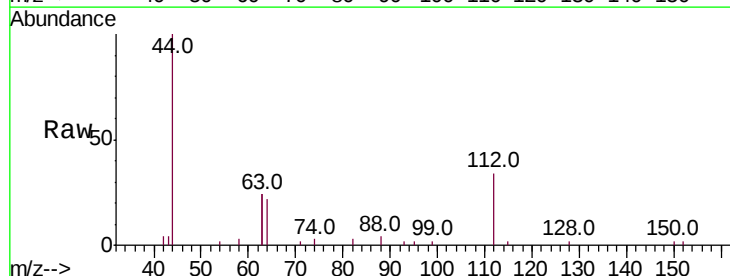
Tgt Ion: 112 Resp: 1434

Ion Ratio Lower Upper

112 100

64 64.6 60.1 90.1

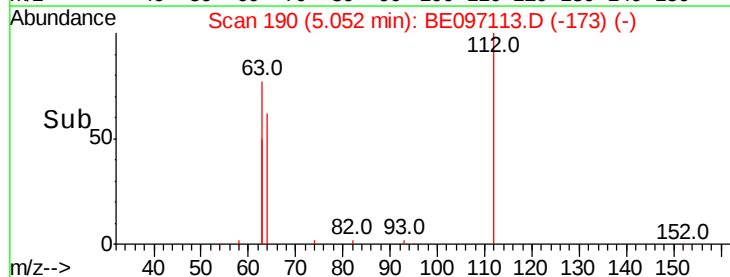
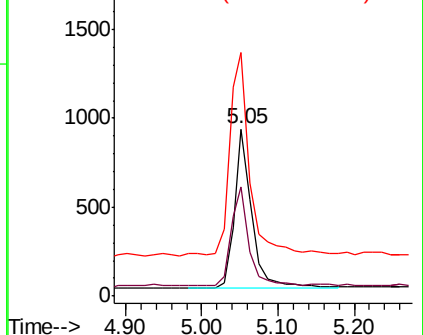
63 152.0 116.8 175.2

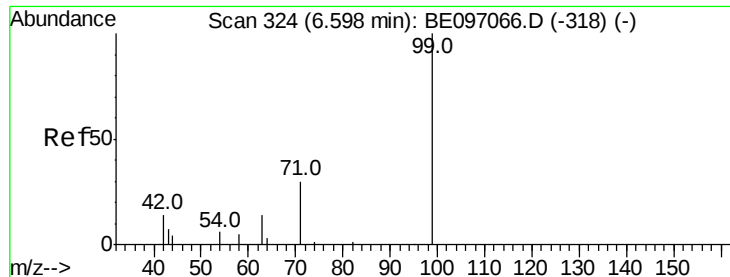


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.305 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

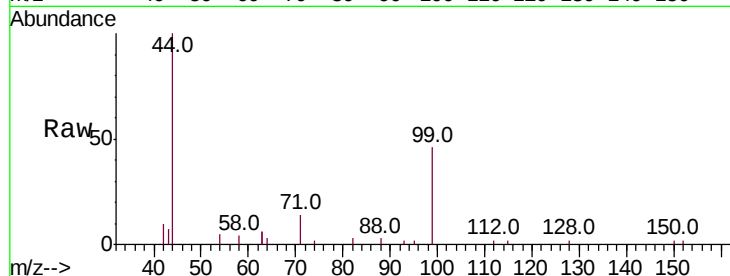
Tot Ion: 99 Resp: 2058

Ion Ratio Lower Upper

99 100

42 24.5 20.2 30.2

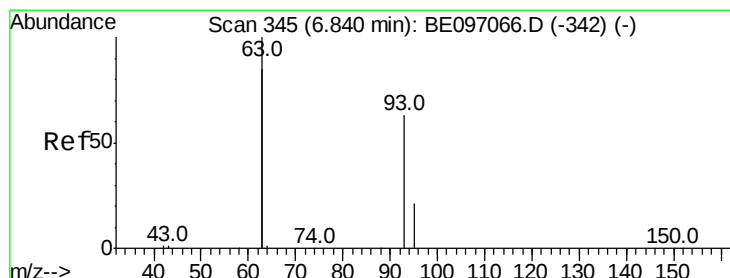
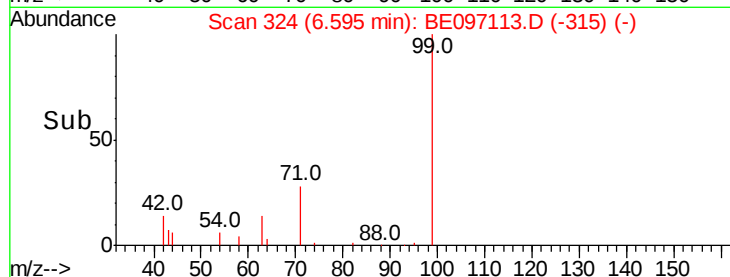
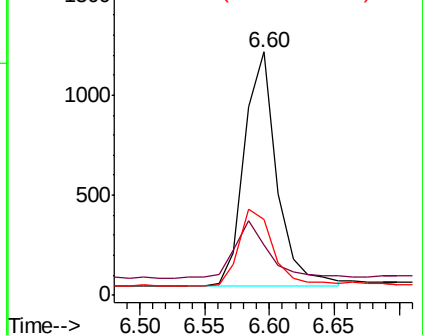
71 34.6 28.4 42.6



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: 0.394 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

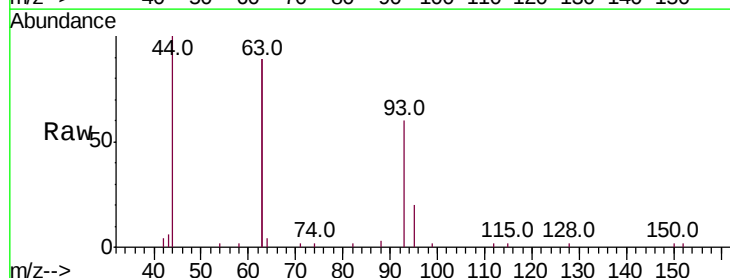
Tgt Ion: 93 Resp: 2432

Ion Ratio Lower Upper

93 100

63 331.0 275.3 412.9

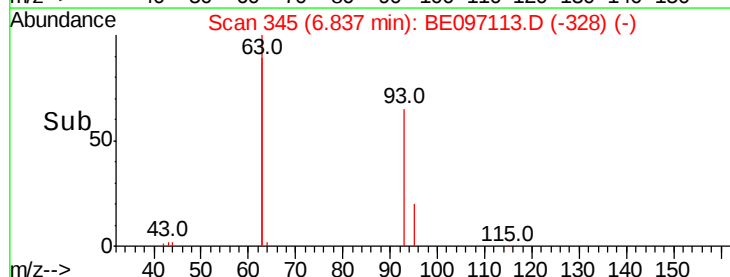
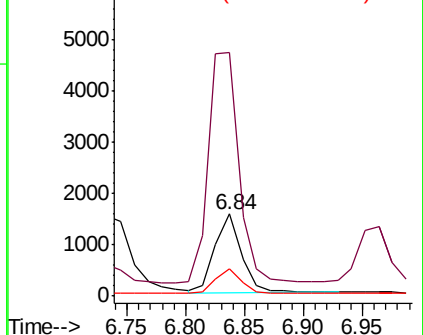
95 31.7 25.2 37.8



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: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 8211

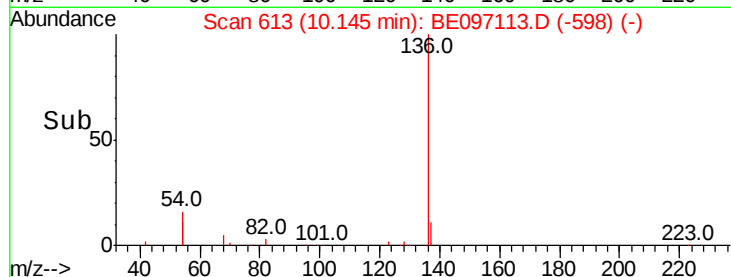
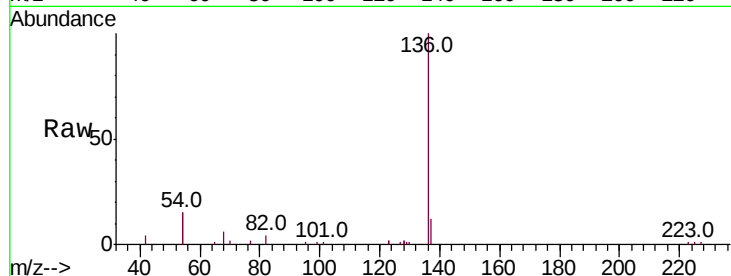
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 30.7 29.1 43.7

68 6.0 6.2 9.2#

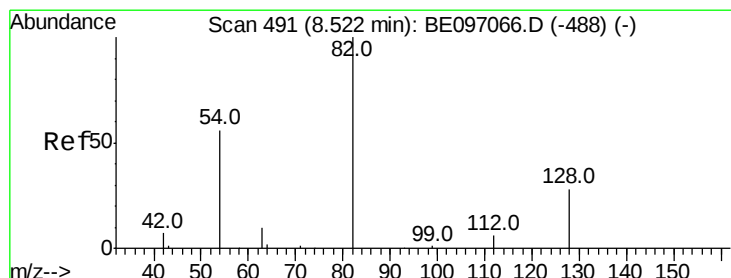
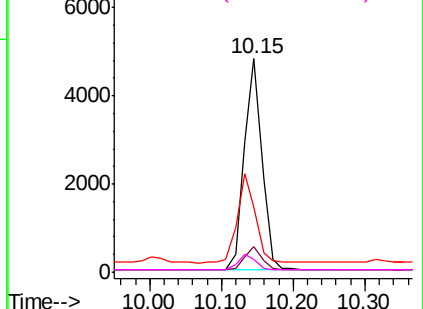


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.387 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

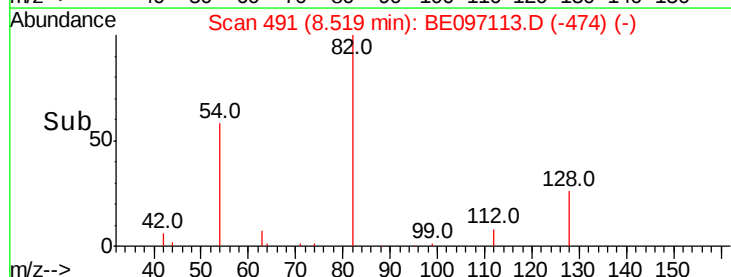
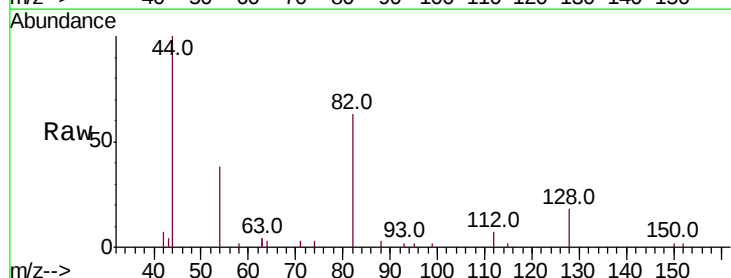
Tgt Ion: 82 Resp: 2760

Ion Ratio Lower Upper

82 100

128 28.0 24.0 36.0

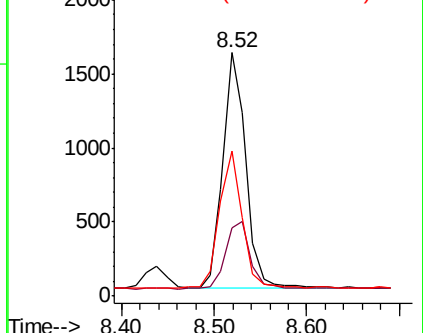
54 59.3 40.0 60.0



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: 0.397 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

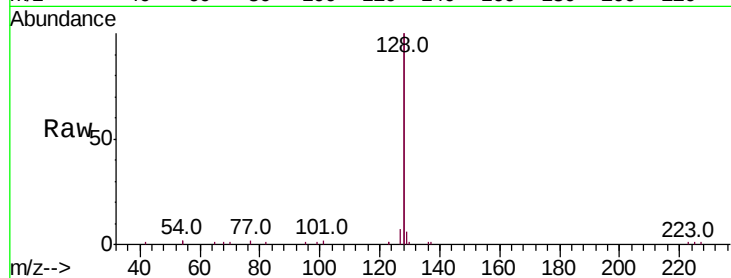
Tot Ion:128 Resp: 29286

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

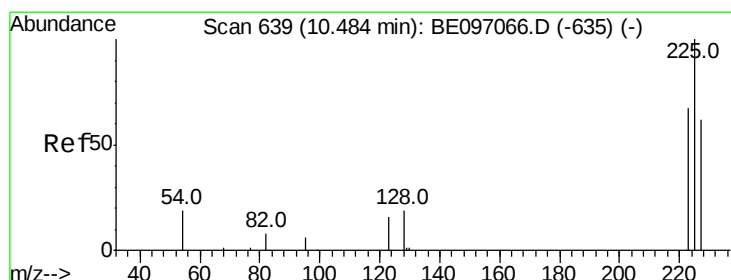
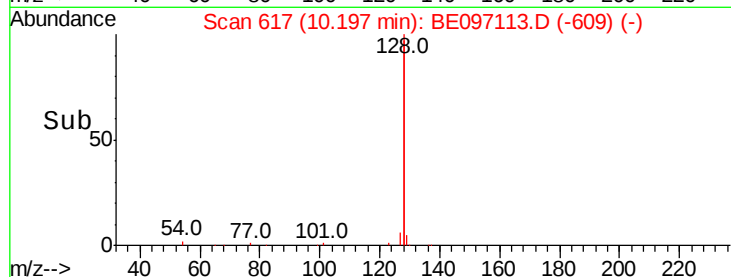
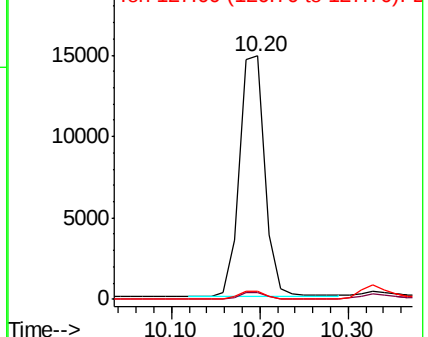
127 3.4 2.8 4.2



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: 0.416 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

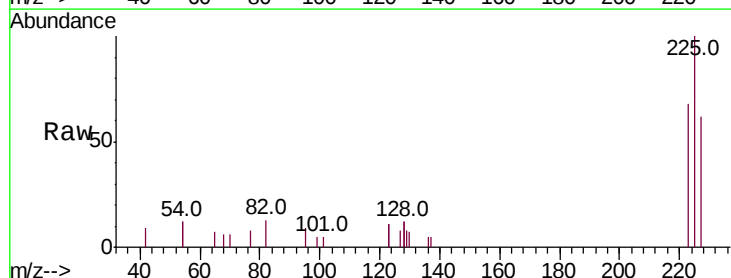
Tgt Ion:225 Resp: 1375

Ion Ratio Lower Upper

225 100

223 63.9 53.0 79.6

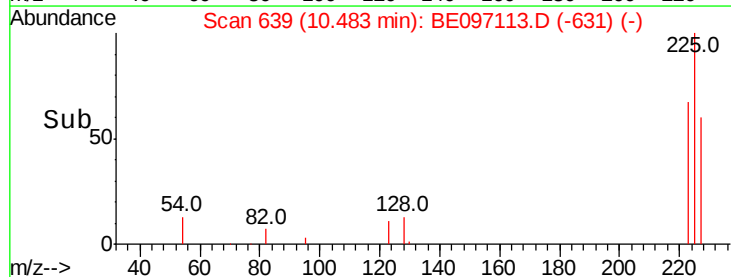
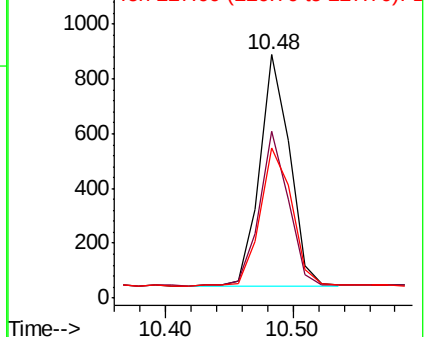
227 63.3 51.4 77.2

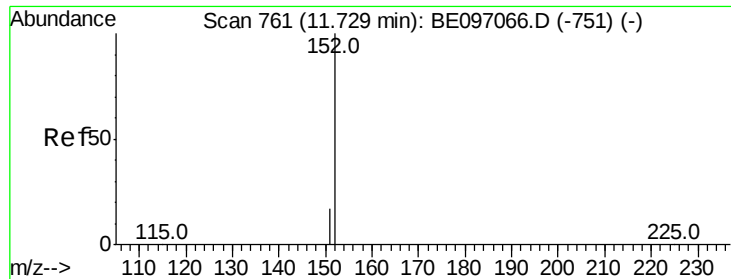


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

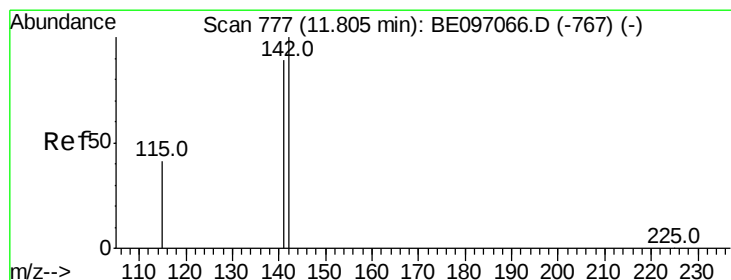
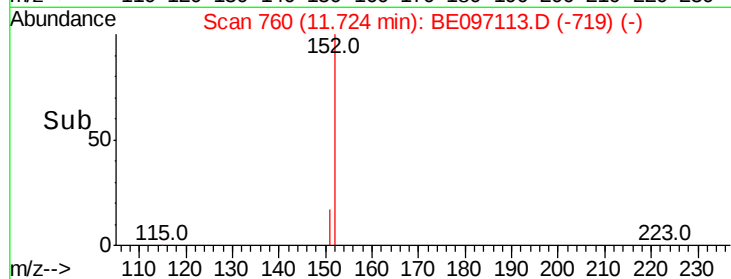
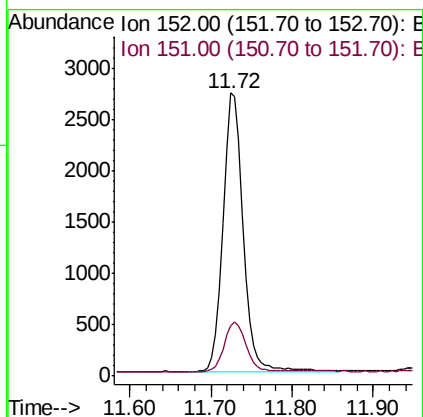
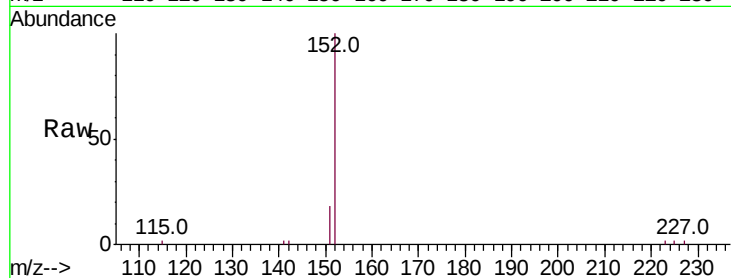




#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 11.72 min Scan# 760
Delta R.T. 0.00 min
Lab File: BE097113.D
Acq: 31 Jul 2018 9:17

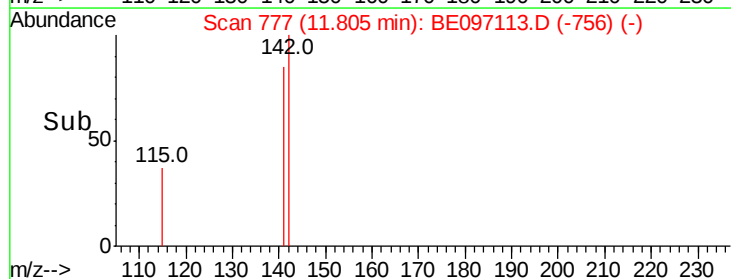
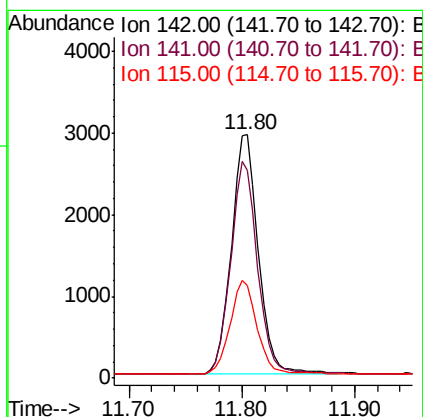
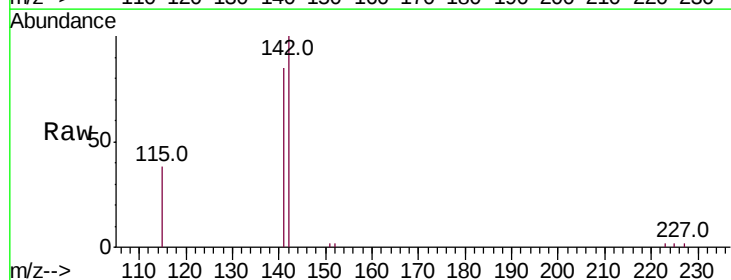
Instrument :
BNA_E
ClientSampleId :

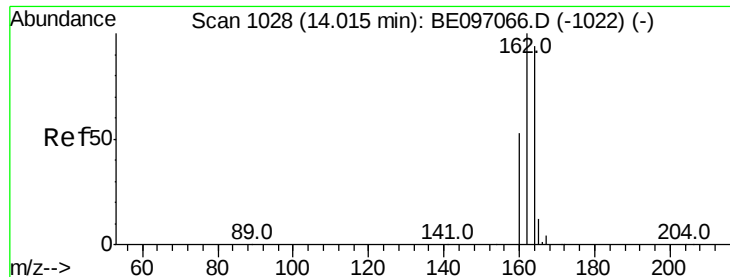
Tot Ion:152 Resp: 4646
Ion Ratio Lower Upper
152 100
151 19.2 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.385 ng
RT: 11.80 min Scan# 777
Delta R.T. 0.00 min
Lab File: BE097113.D
Acq: 31 Jul 2018 9:17

Tgt Ion:142 Resp: 4872
Ion Ratio Lower Upper
142 100
141 85.4 70.4 105.6
115 37.9 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

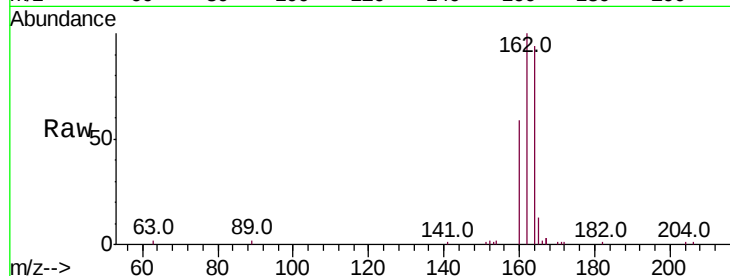
Tot Ion:164 Resp: 4896

Ion Ratio Lower Upper

164 100

162 106.9 83.1 124.7

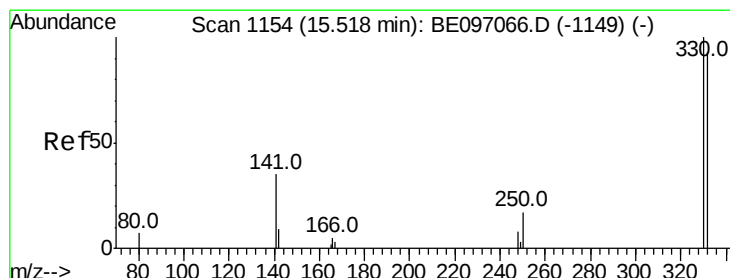
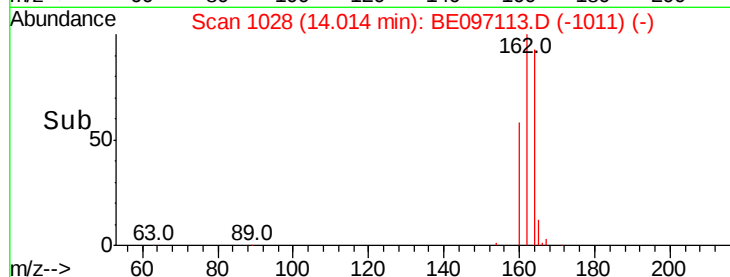
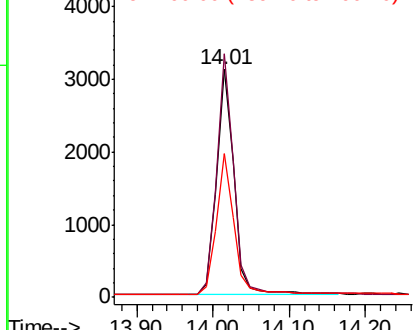
160 62.9 37.1 55.7#



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: 0.256 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

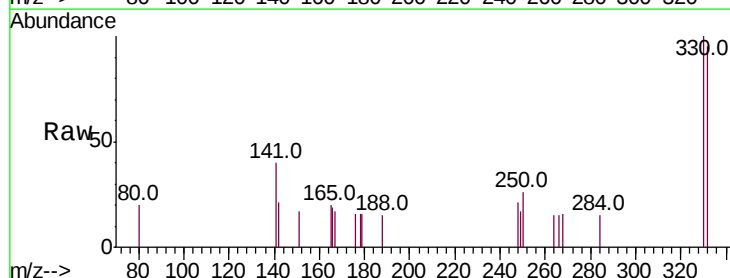
Tgt Ion:330 Resp: 412

Ion Ratio Lower Upper

330 100

332 97.8 152.7 229.1#

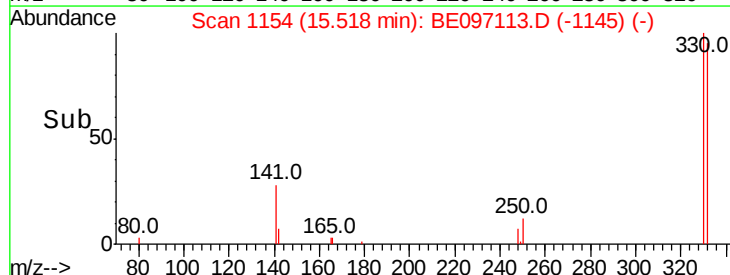
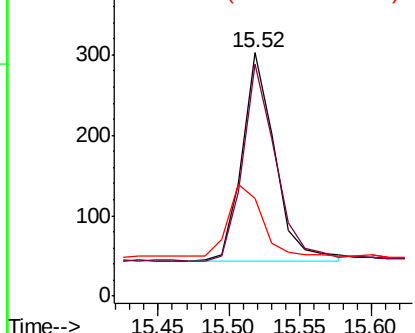
141 35.0 33.7 50.5

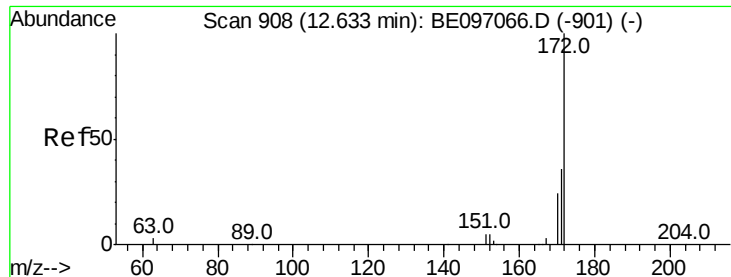


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

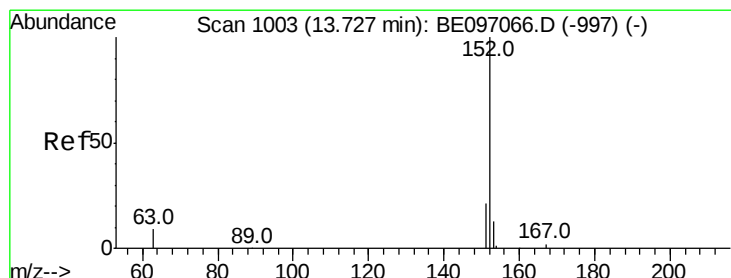
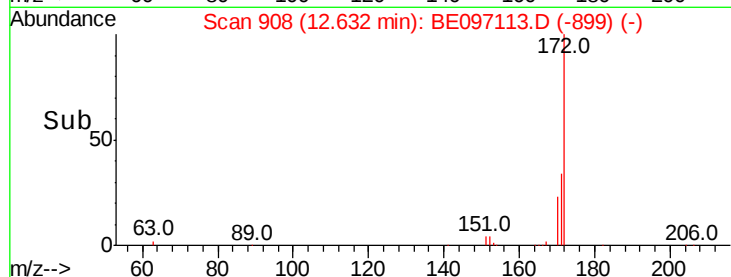
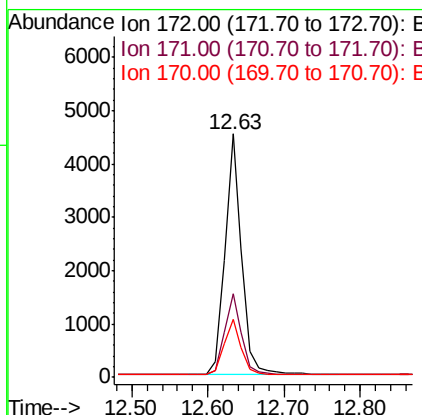
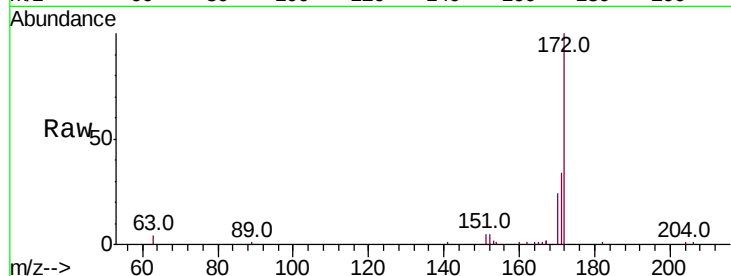




#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097113.D
Acq: 31 Jul 2018 9:17

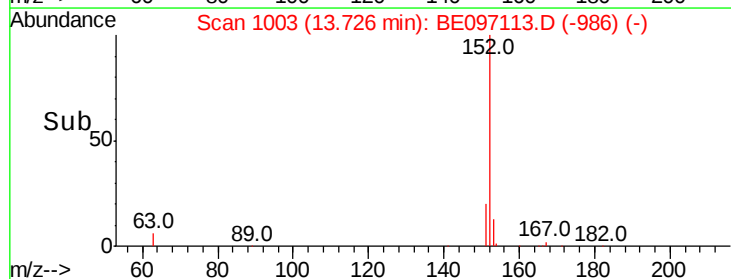
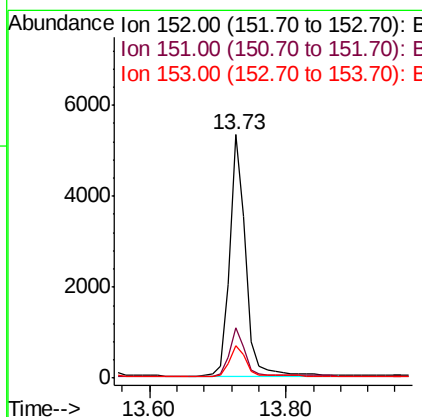
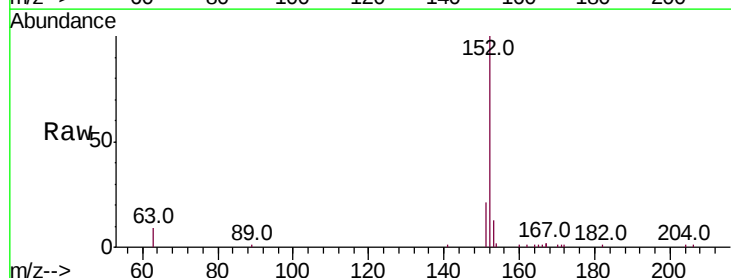
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 6987
Ion Ratio Lower Upper
172 100
171 34.4 29.9 44.9
170 23.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.396 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097113.D
Acq: 31 Jul 2018 9:17

Tgt Ion:152 Resp: 8704
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.2 10.5 15.7





#17

Acenaphthene

Concen: 0.395 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

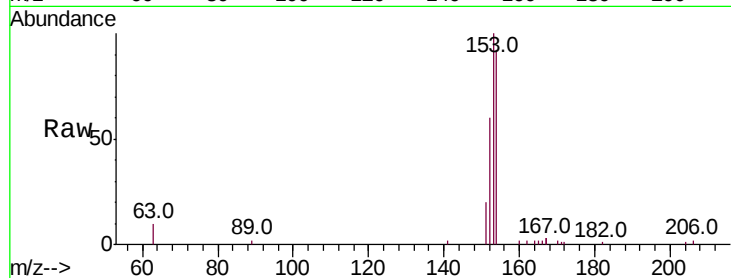
Tot Ion:154 Resp: 5043

Ion Ratio Lower Upper

154 100

153 115.0 89.2 133.8

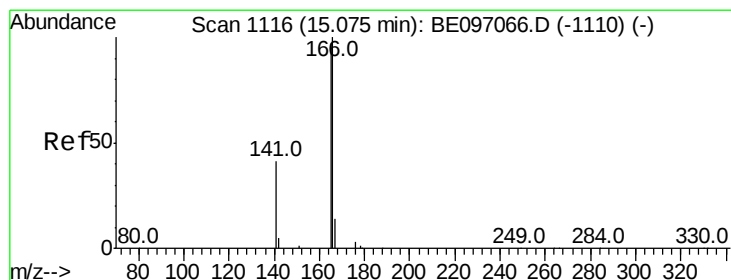
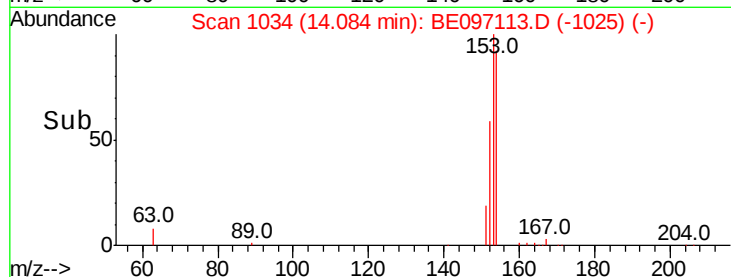
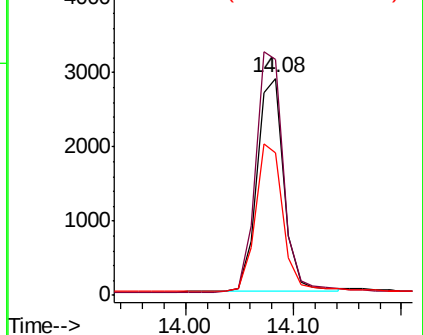
152 70.7 42.0 63.0#



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: 0.371 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

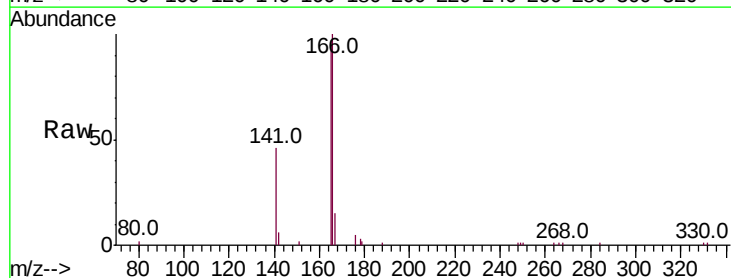
Tgt Ion:166 Resp: 6256

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.6

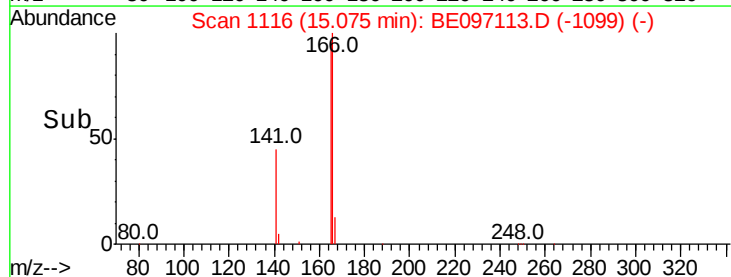
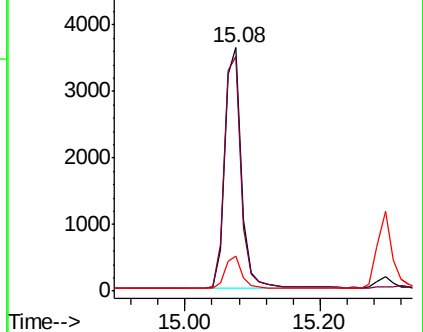
167 13.2 42.4 63.6#



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: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

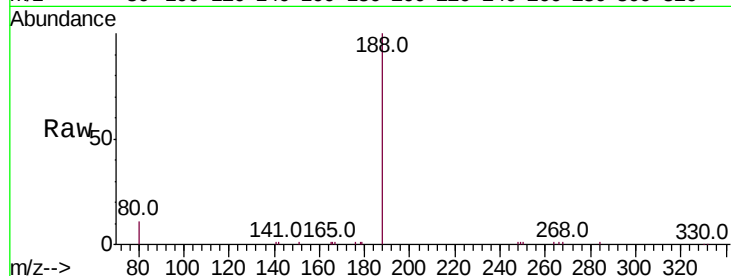
Tot Ion:188 Resp: 13091

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

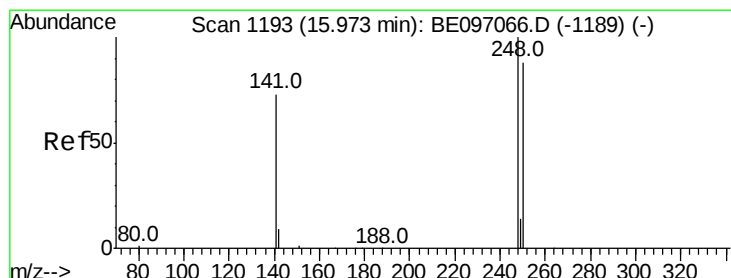
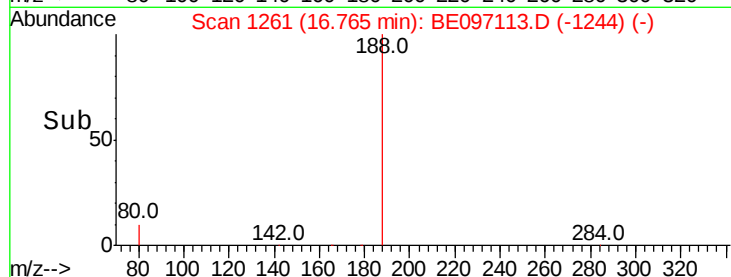
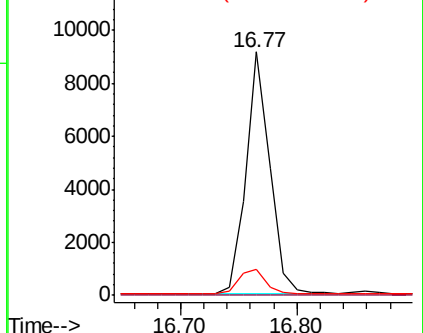
80 10.7 3.6 5.4#



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: 0.398 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

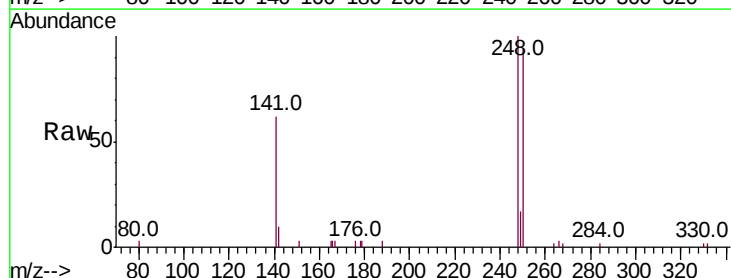
Tgt Ion:248 Resp: 2532

Ion Ratio Lower Upper

248 100

250 93.9 62.7 94.1

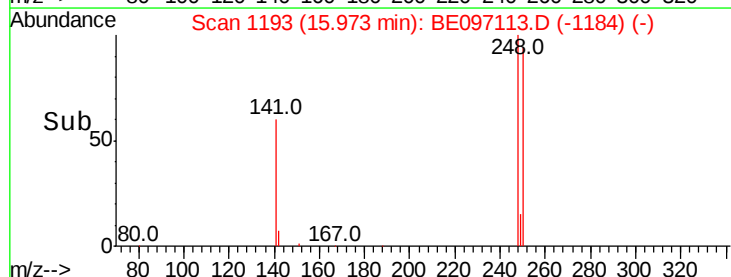
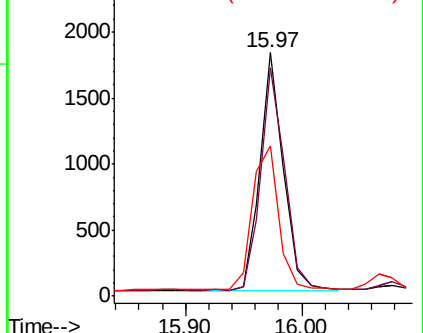
141 61.8 48.2 72.2

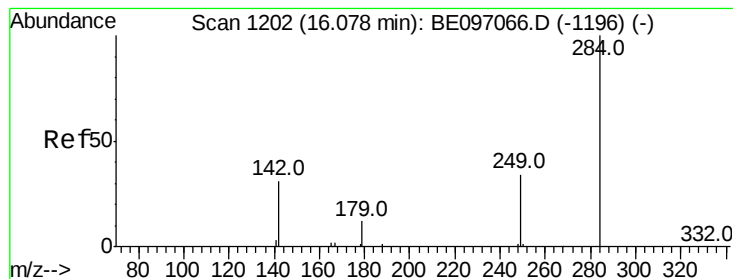


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.424 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

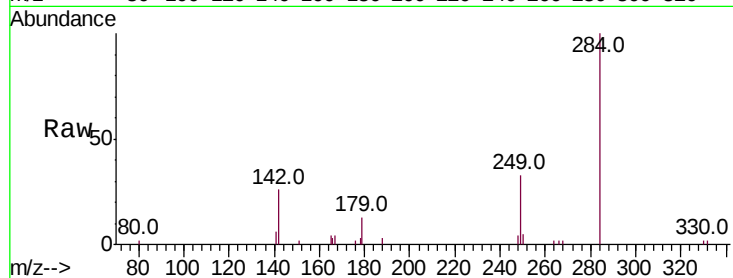
Tot Ion:284 Resp: 2897

Ion Ratio Lower Upper

284 100

142 33.9 22.1 33.1#

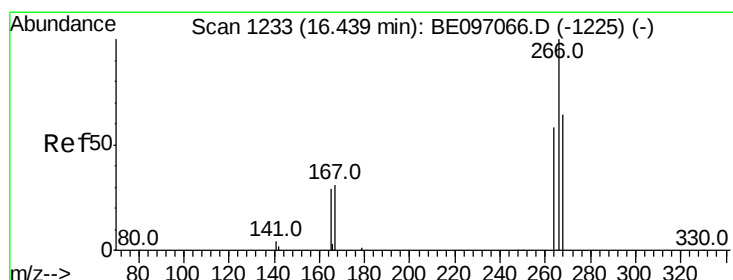
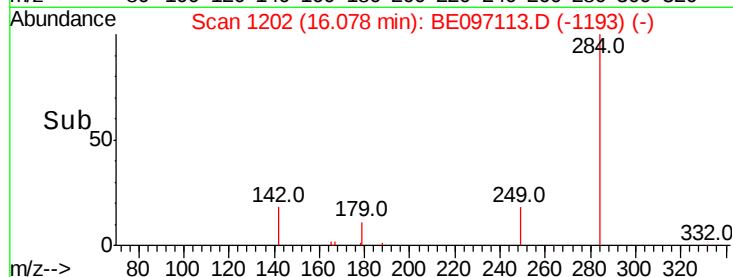
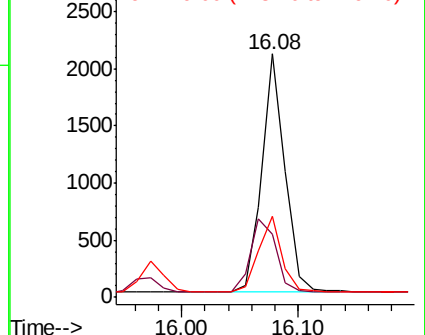
249 31.2 34.8 52.2#



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: 0.379 ng

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

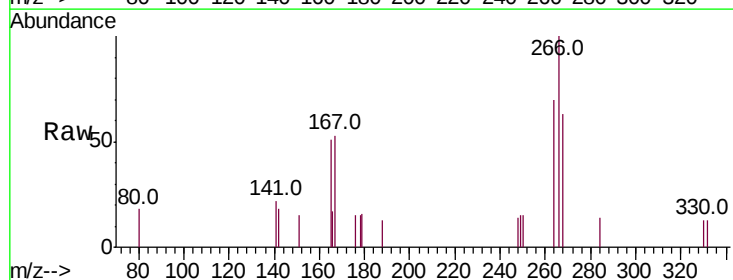
Tgt Ion:266 Resp: 595

Ion Ratio Lower Upper

266 100

264 70.3 72.5 108.7#

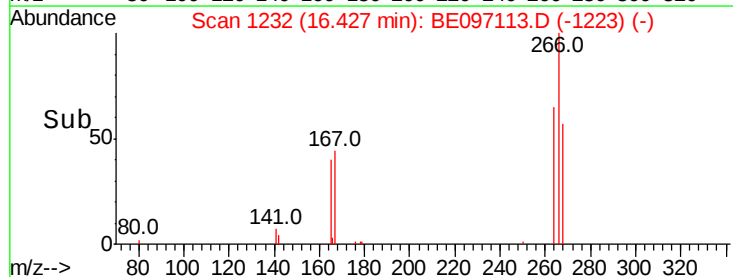
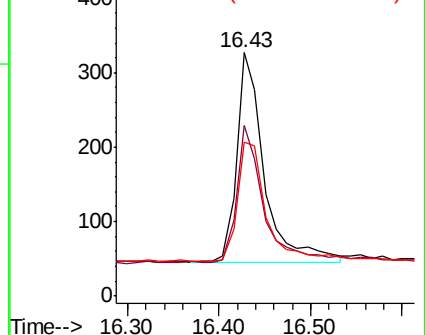
268 63.3 73.8 110.6#

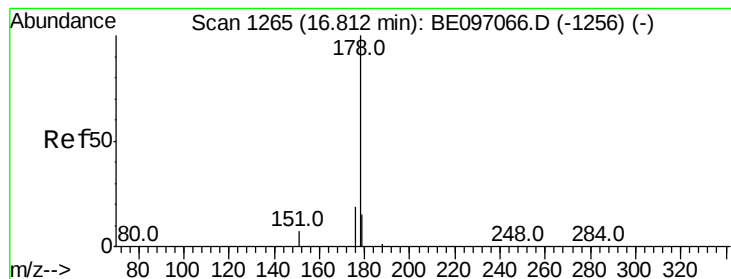


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.396 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

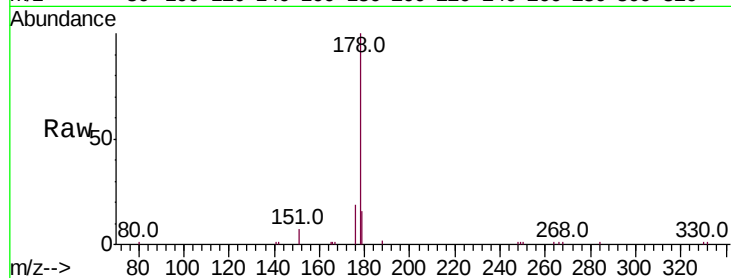
Tot Ion:178 Resp: 12341

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

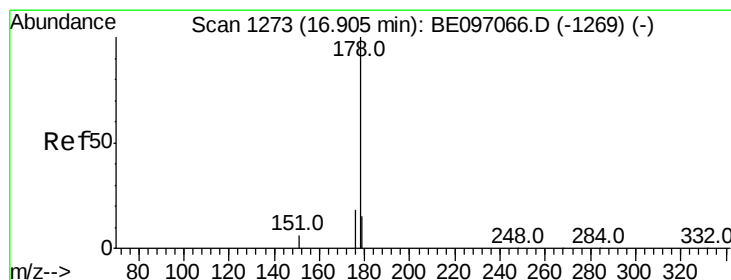
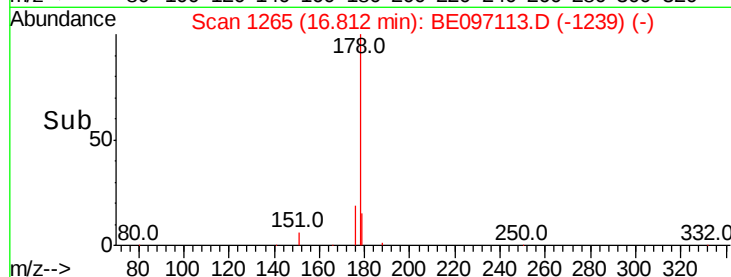
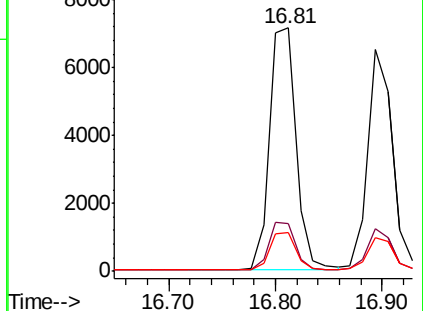
179 15.4 11.8 17.6



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: 0.370 ng

RT: 16.89 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

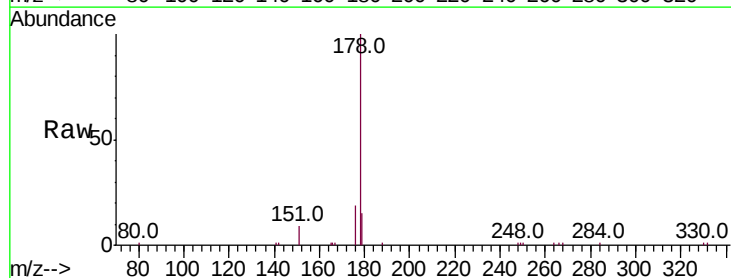
Tgt Ion:178 Resp: 10330

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

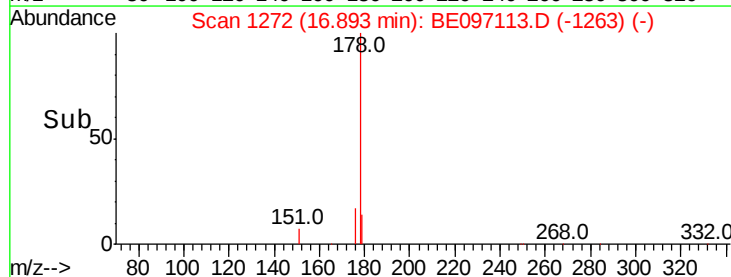
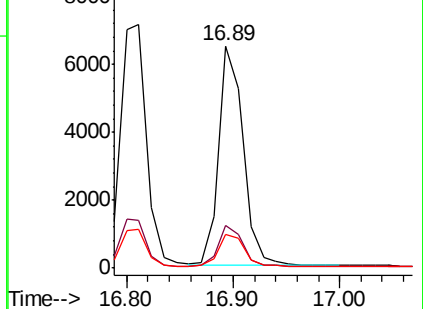
179 14.9 13.0 19.6

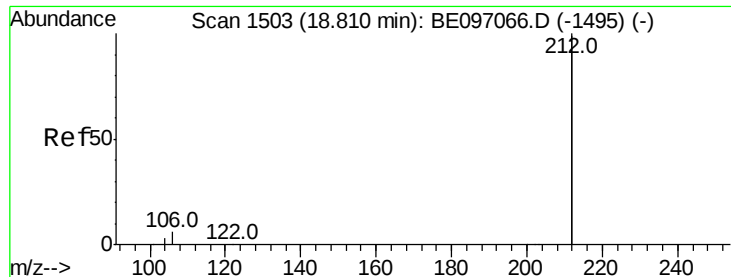


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.365 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

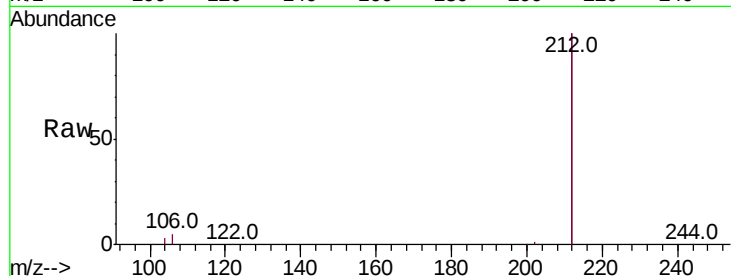
Tot Ion:212 Resp: 47756

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

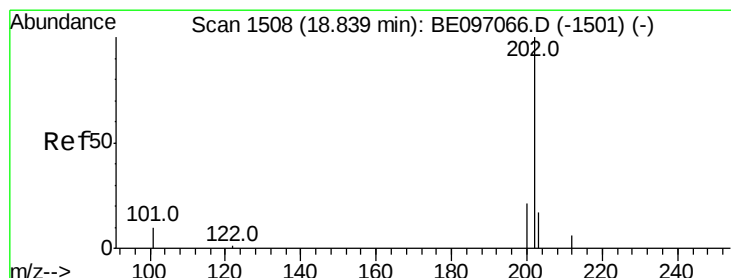
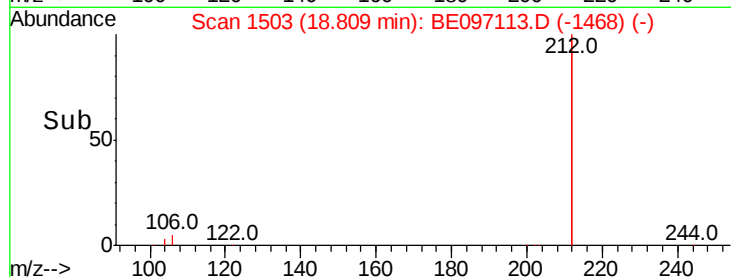
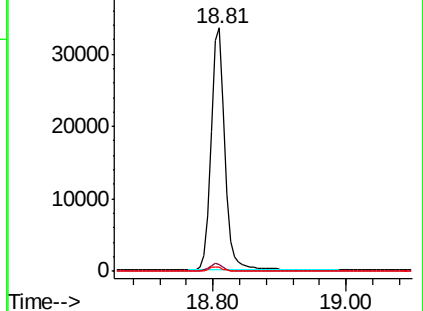
104 1.7 1.6 2.4



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: 0.385 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

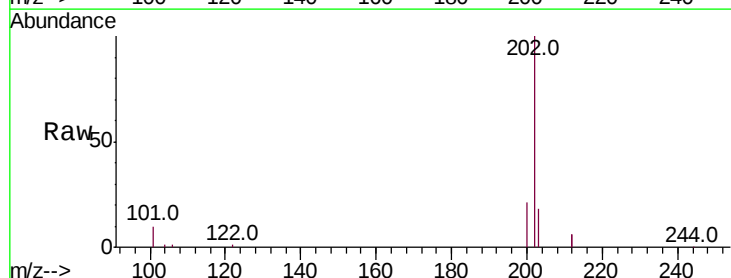
Tgt Ion:202 Resp: 13480

Ion Ratio Lower Upper

202 100

101 10.7 9.8 14.8

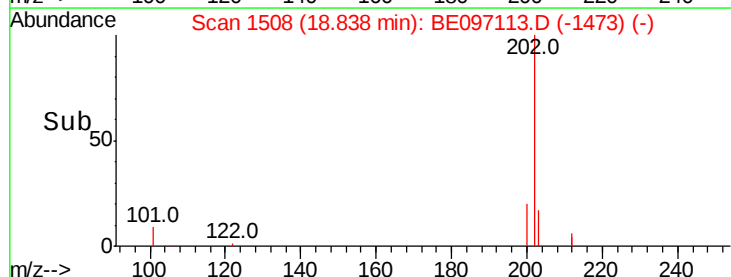
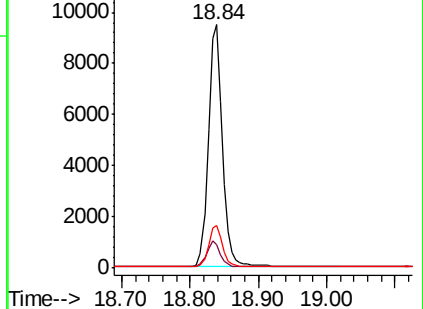
203 17.2 13.7 20.5



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: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

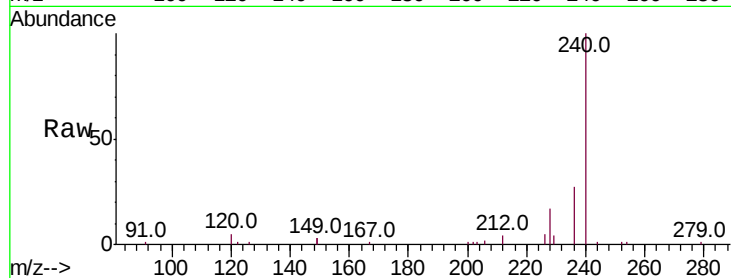
Tot Ion:240 Resp: 11238

Ion Ratio Lower Upper

240 100

120 5.1 5.5 8.3#

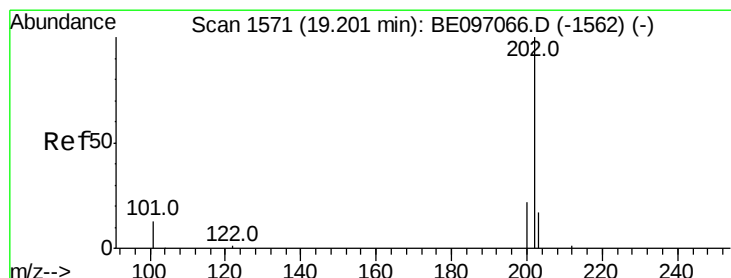
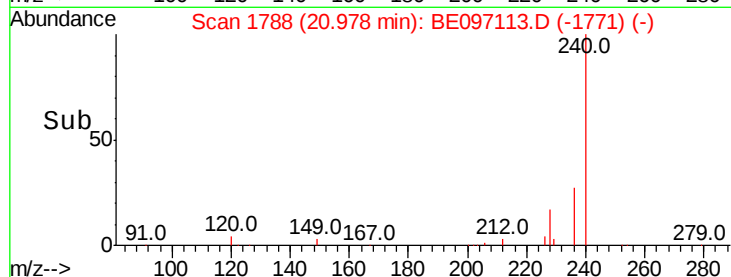
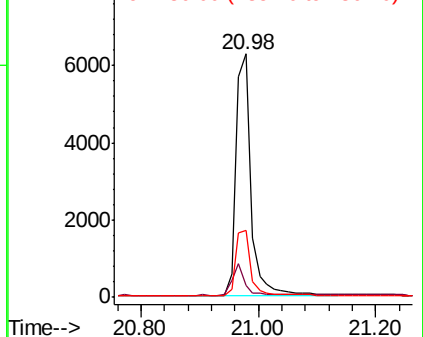
236 27.3 20.7 31.1



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: 0.410 ng

RT: 19.20 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

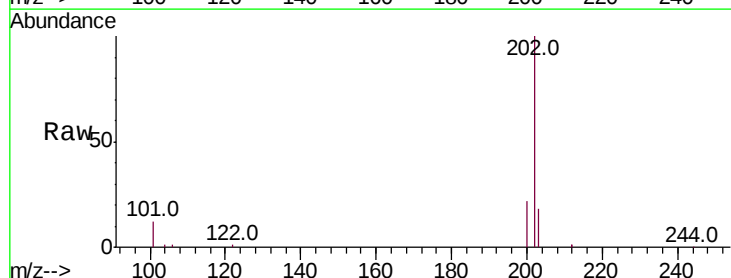
Tgt Ion:202 Resp: 12645

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

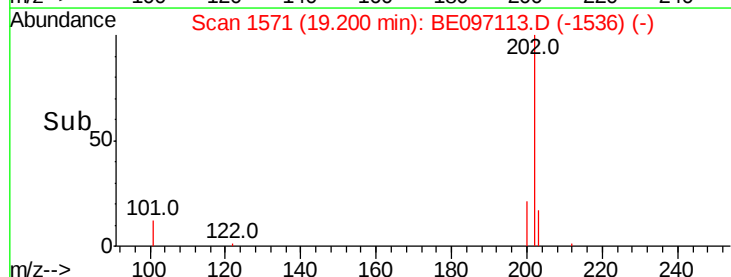
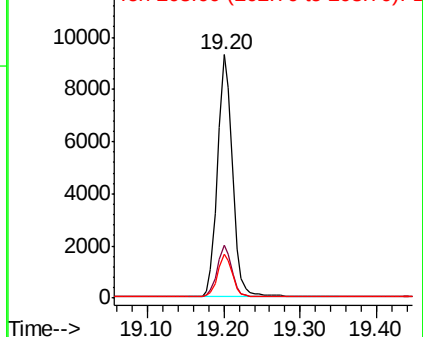
203 17.4 13.8 20.8



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

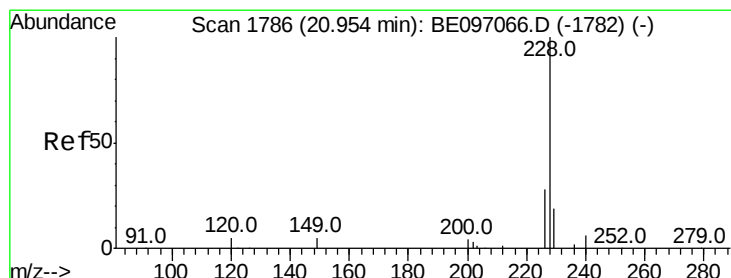
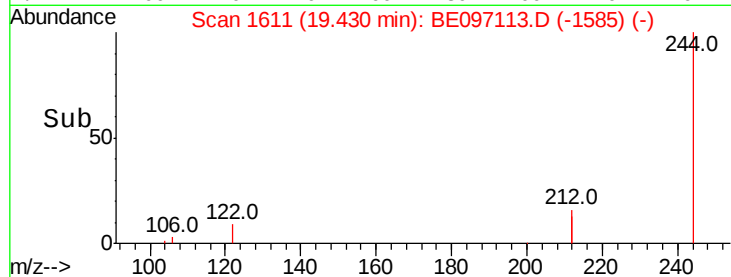
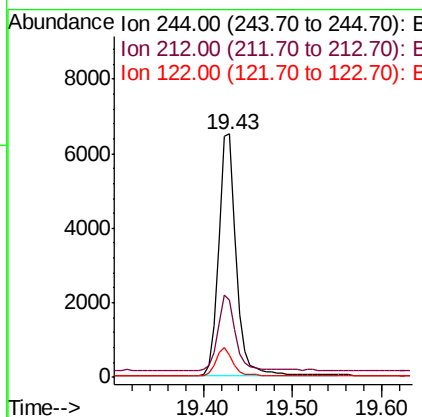
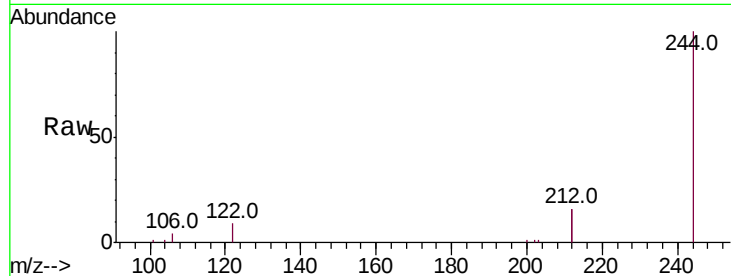




#29
 Terphenyl-d14
 Concen: 0.410 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE097113.D
 Acq: 31 Jul 2018 9:17

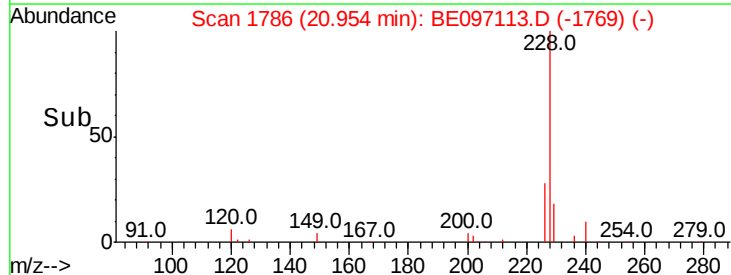
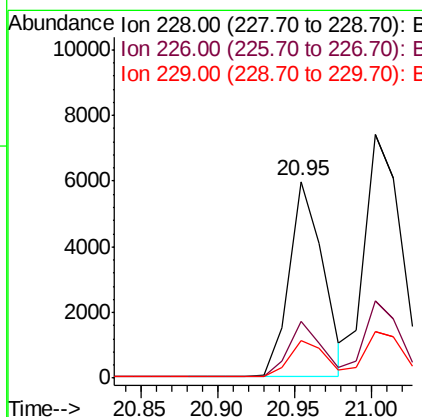
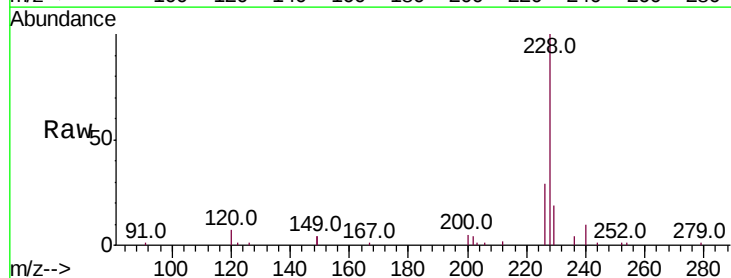
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 8860
 Ion Ratio Lower Upper
 244 100
 212 31.9 25.4 38.0
 122 9.2 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.327 ng
 RT: 20.95 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097113.D
 Acq: 31 Jul 2018 9:17

Tgt Ion:228 Resp: 9132
 Ion Ratio Lower Upper
 228 100
 226 28.5 24.0 36.0
 229 19.1 16.0 24.0





#31

Chrysene

Concen: 0.413 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

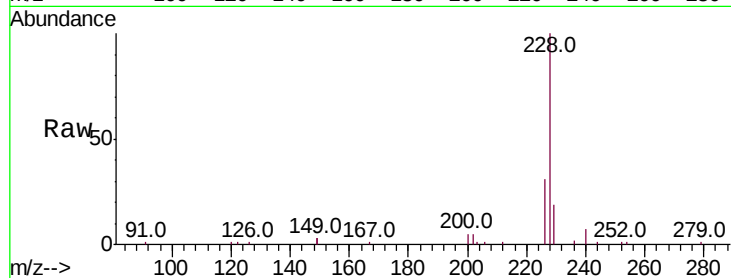
Tot Ion:228 Resp: 12377

Ion Ratio Lower Upper

228 100

226 31.5 24.0 36.0

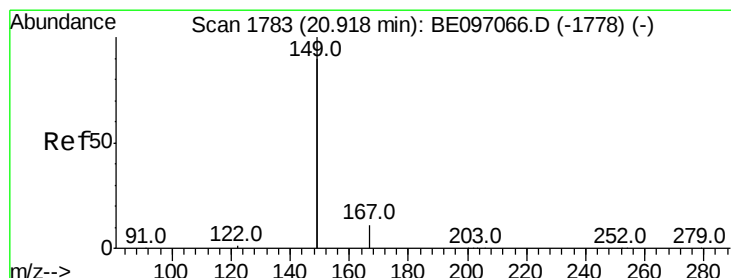
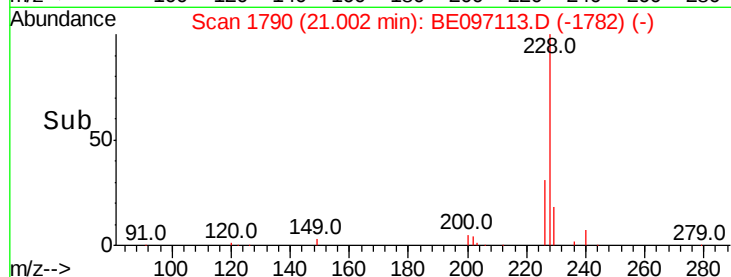
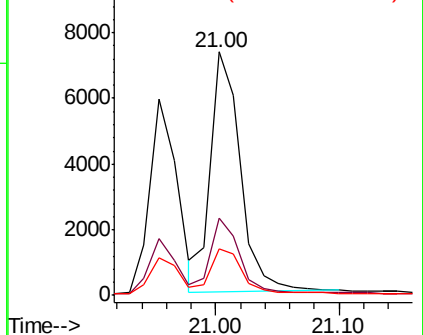
229 18.9 16.0 24.0



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: 0.245 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

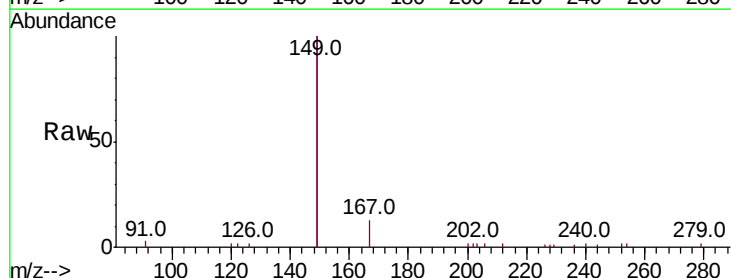
Tgt Ion:149 Resp: 7170

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

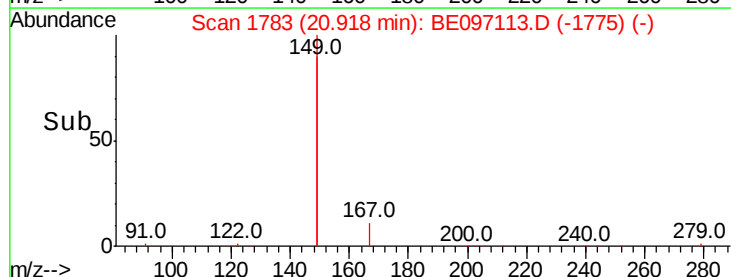
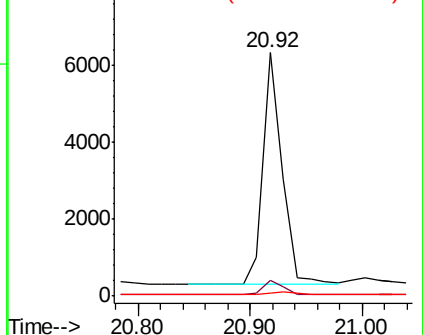
279 1.0 0.7 1.1



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

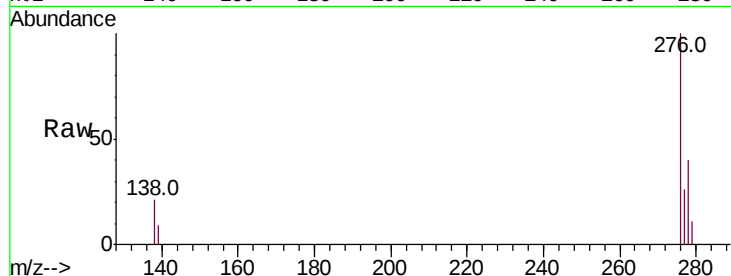




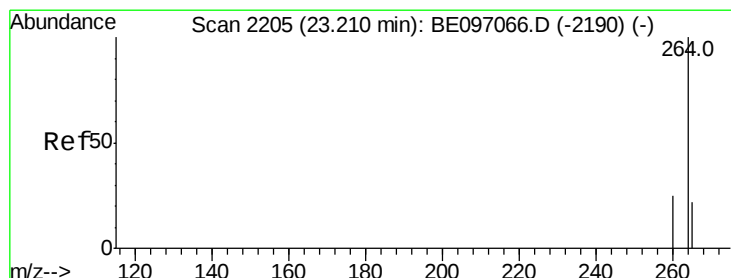
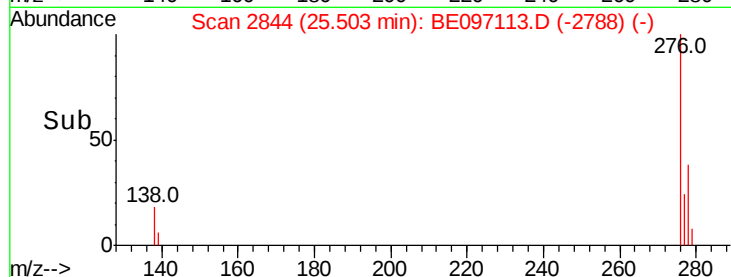
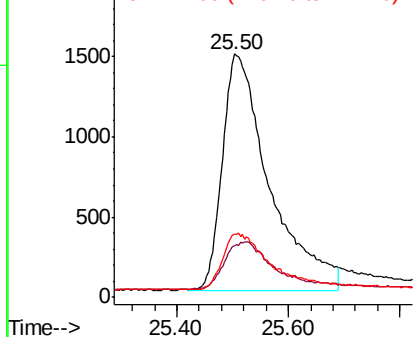
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.318 ng
 RT: 25.50 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: BE097113.D
 Acq: 31 Jul 2018 9:17

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 8634
 Ion Ratio Lower Upper
 276 100
 138 0.0 22.5 33.7#
 277 24.1 19.9 29.9

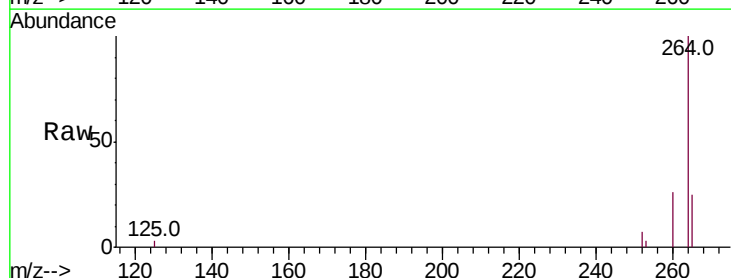


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

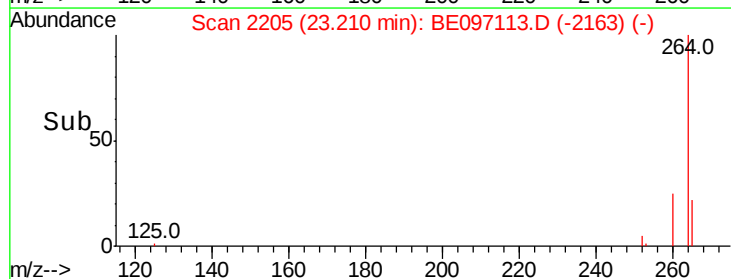
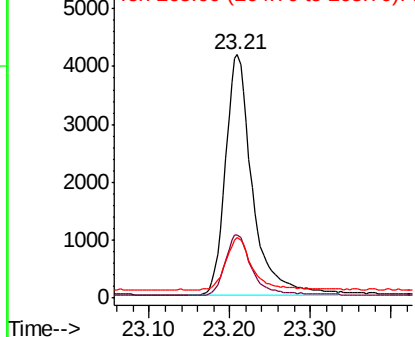


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: BE097113.D
 Acq: 31 Jul 2018 9:17

Tgt Ion:264 Resp: 9698
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.5 30.7
 265 24.9 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.310 ng

RT: 22.54 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

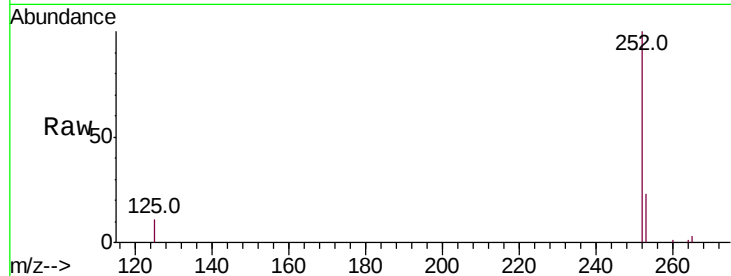
Tot Ion:252 Resp: 7636

Ion Ratio Lower Upper

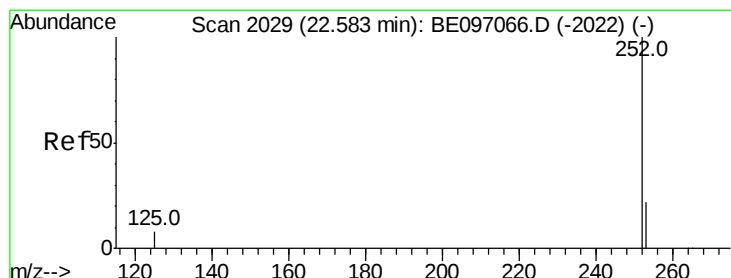
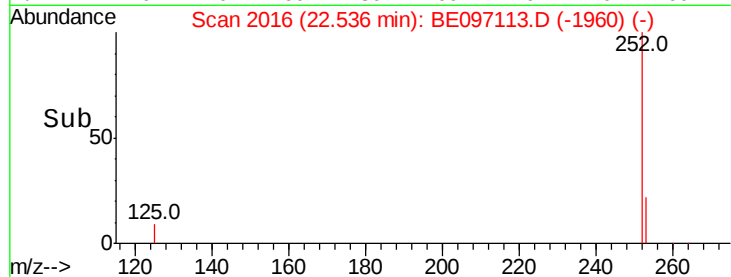
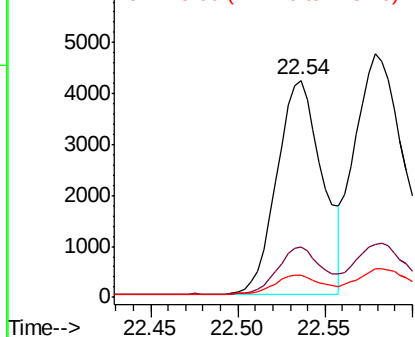
252 100

253 23.0 20.0 30.0

125 10.5 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: 0.389 ng

RT: 22.58 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

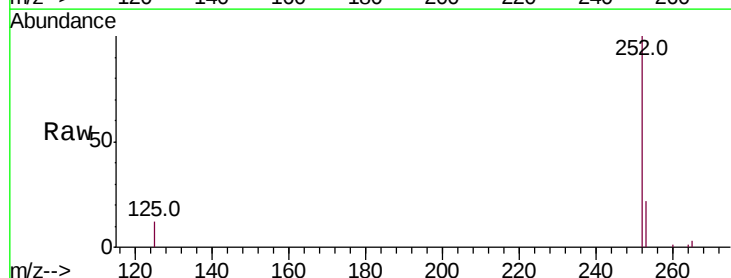
Tgt Ion:252 Resp: 11176

Ion Ratio Lower Upper

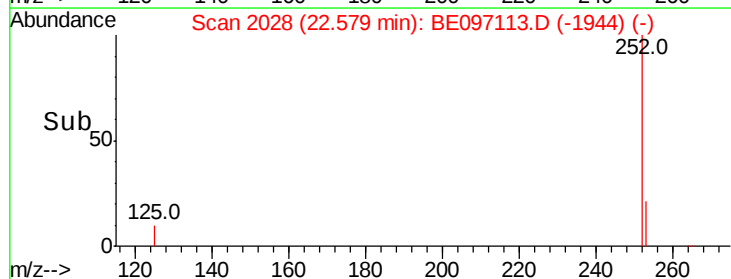
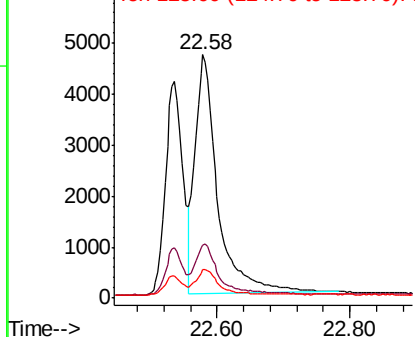
252 100

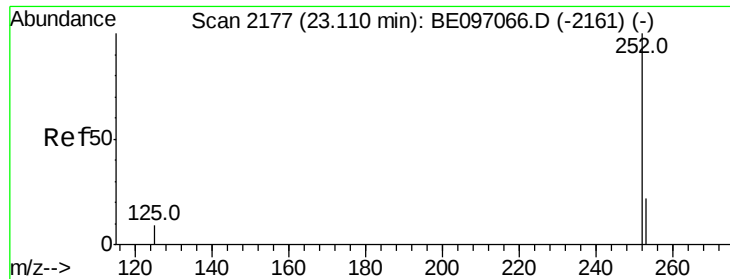
253 21.8 16.0 24.0

125 11.6 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: 0.321 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :

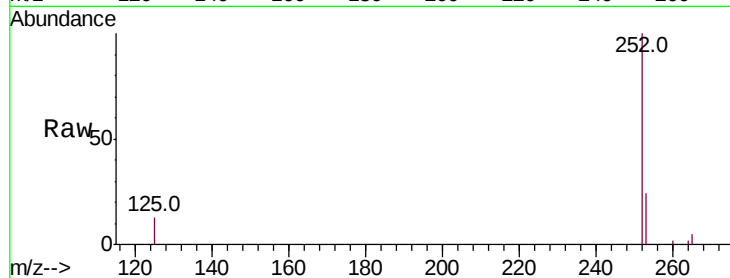
Tot Ion:252 Resp: 7420

Ion Ratio Lower Upper

252 100

253 24.0 16.0 24.0

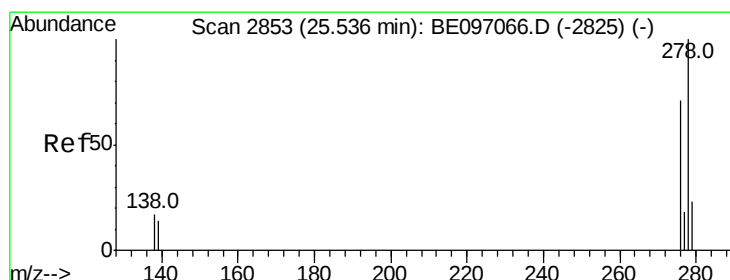
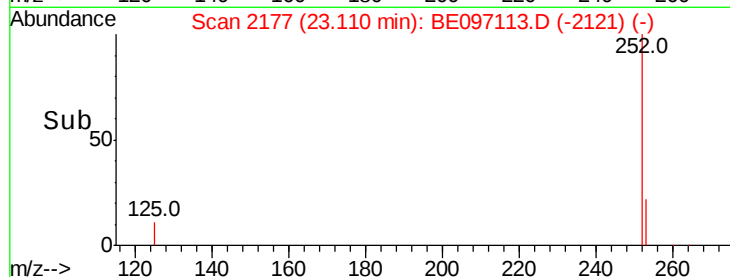
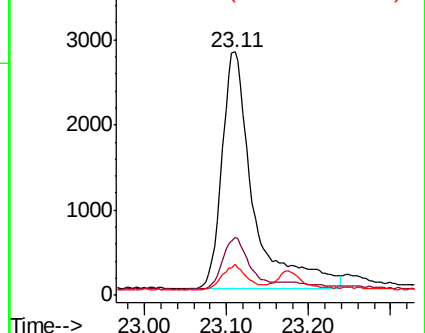
125 12.7 12.0 18.0



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: 0.307 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

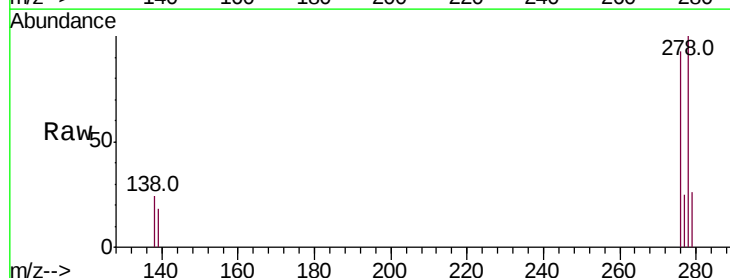
Tgt Ion:278 Resp: 7103

Ion Ratio Lower Upper

278 100

139 18.4 16.0 24.0

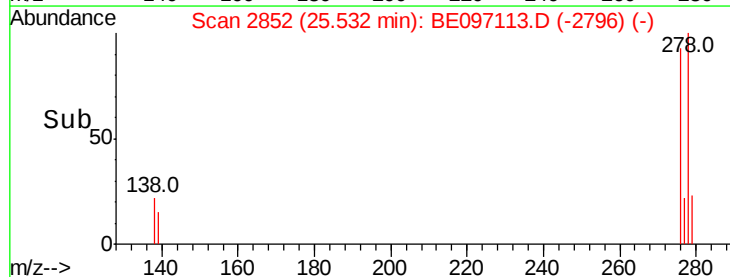
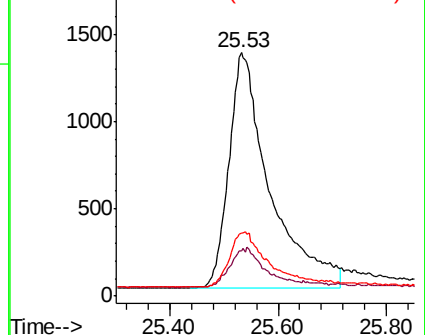
279 26.1 20.0 30.0



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: 0.305 ng

RT: 26.20 min Scan# 3040

Delta R.T. 0.00 min

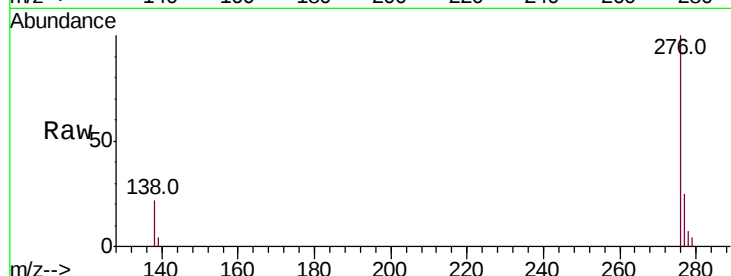
Lab File: BE097113.D

Acq: 31 Jul 2018 9:17

Instrument :

BNA_E

ClientSampleId :



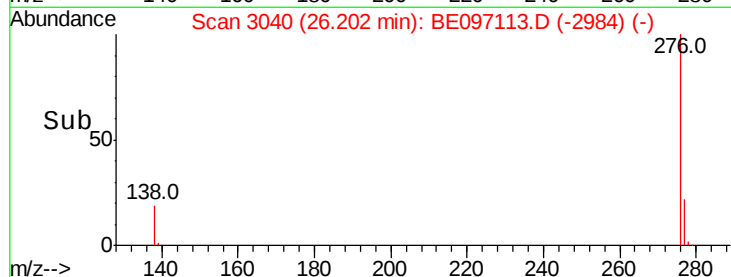
Tot Ion: 276 Resp: 7479

Ion Ratio Lower Upper

276 100

277 24.7 16.0 24.0#

138 21.6 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

