

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
 Data File : BE097514.D
 Acq On : 18 Sep 2018 2:29
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 18 05:53:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 17 18:57:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	894	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4367	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2573	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	6922	0.40	ng	-0.01
27) Chrysene-d12	20.97	240	8062	0.40	ng	0.00
34) Perylene-d12	23.21	264	8338	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1185	0.39	ng	0.00
5) Phenol-d6	6.59	99	1599	0.42	ng	-0.01
8) Nitrobenzene-d5	8.52	82	1379	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	11.71	152	2563	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	467	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	3756	0.42	ng	0.00
25) Fluoranthene-d10	18.80	212	32364	0.39	ng	0.00
29) Terphenyl-d14	19.42	244	6489	0.42	ng	0.00

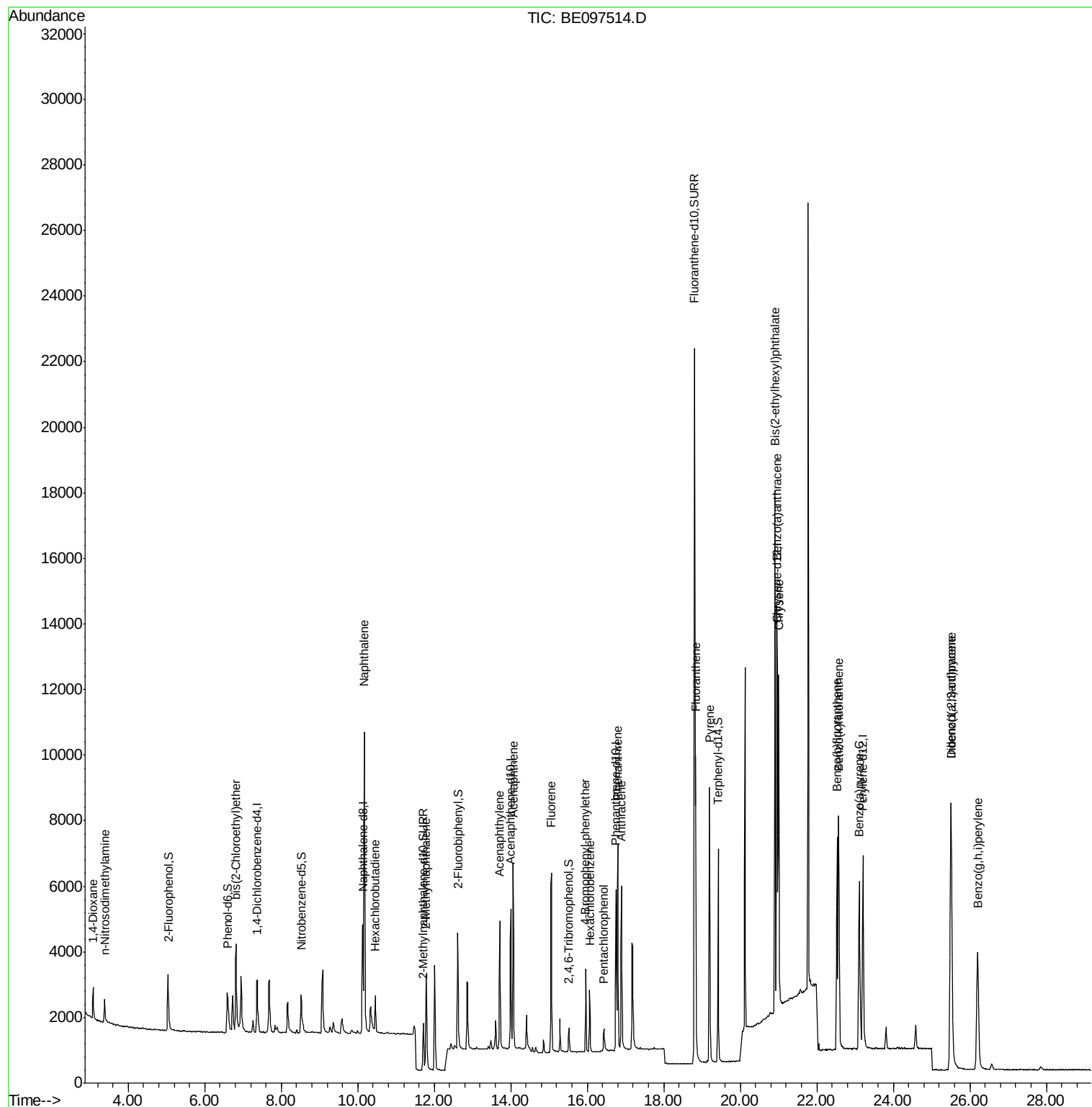
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	609	0.394	ng	# 86
3) n-Nitrosodimethylamine	3.38	42	535	0.414	ng	88
6) bis(2-Chloroethyl)ether	6.82	93	1225	0.399	ng	93
9) Naphthalene	10.17	128	16315	0.412	ng	100
10) Hexachlorobutadiene	10.46	225	737	0.392	ng	98
12) 2-Methylnaphthalene	11.79	142	2633	0.415	ng	98
16) Acenaphthylene	13.71	152	4393	0.393	ng	100
17) Acenaphthene	14.06	154	2891	0.419	ng	96
18) Fluorene	15.06	166	3787	0.430	ng	# 80
20) 4-Bromophenyl-phenylether	15.96	248	1332	0.399	ng	# 88
21) Hexachlorobenzene	16.07	284	1476	0.417	ng	# 84
22) Pentachlorophenol	16.44	266	524	0.915	ng	# 77
23) Phenanthrene	16.80	178	6850	0.421	ng	99
24) Anthracene	16.89	178	5955	0.396	ng	96
26) Fluoranthene	18.83	202	8265	0.389	ng	98
28) Pyrene	19.19	202	8645	0.417	ng	99
30) Benzo(a)anthracene	20.96	228	8628	0.407	ng	95
31) Chrysene	21.00	228	8879	0.408	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	17597	0.391	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	11166	0.431	ng	# 94
35) Benzo(b)fluoranthene	22.53	252	8437	0.396	ng	# 91
36) Benzo(k)fluoranthene	22.57	252	9804	0.422	ng	# 90
37) Benzo(a)pyrene	23.11	252	8622	0.407	ng	# 92
38) Dibenzo(a,h)anthracene	25.51	278	9388	0.425	ng	98
39) Benzo(g,h,i)perylene	26.20	276	9133	0.405	ng	# 89

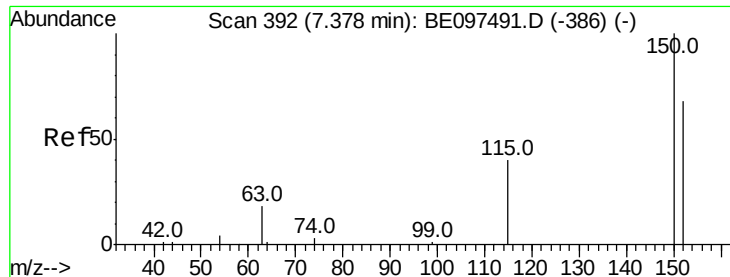
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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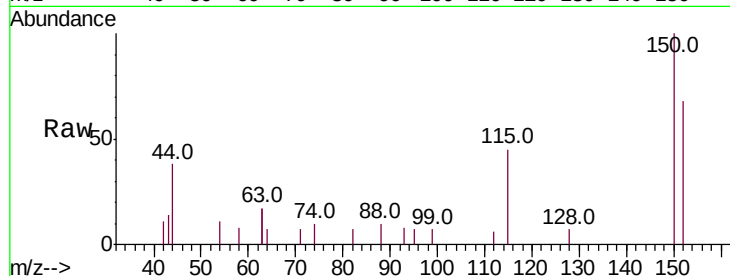


#1

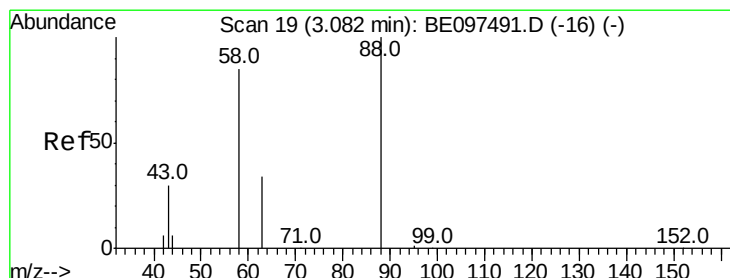
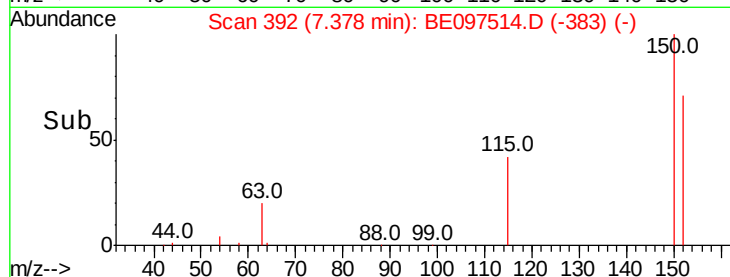
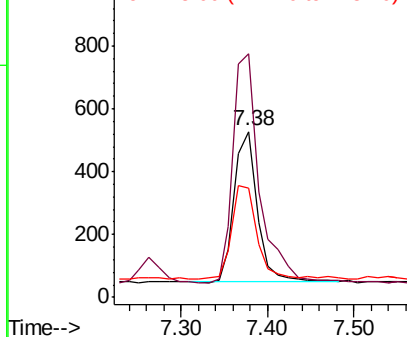
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097514.D
Acq: 18 Sep 2018 2:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 894
Ion Ratio Lower Upper
152 100
150 146.5 117.2 175.8
115 65.8 57.0 85.6



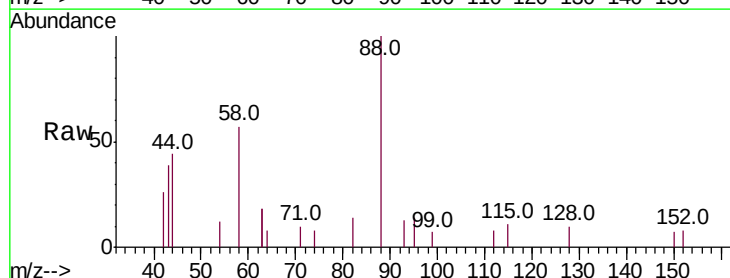
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



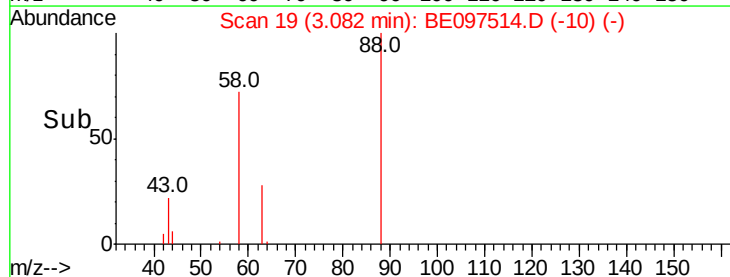
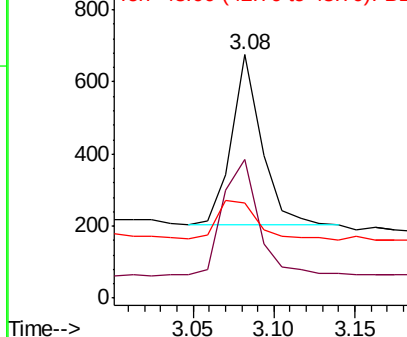
#2

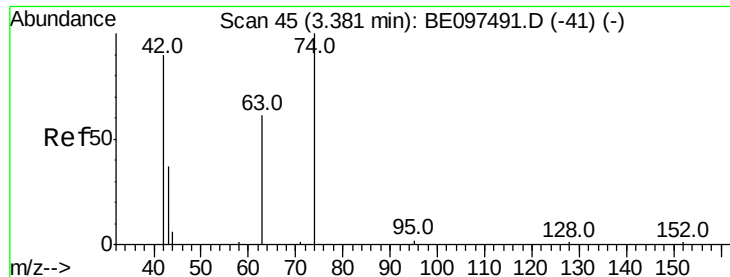
1,4-Dioxane
Concen: 0.394 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.00 min
Lab File: BE097514.D
Acq: 18 Sep 2018 2:29

Tgt Ion: 88 Resp: 609
Ion Ratio Lower Upper
88 100
58 82.4 63.2 94.8
43 31.0 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.414 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :

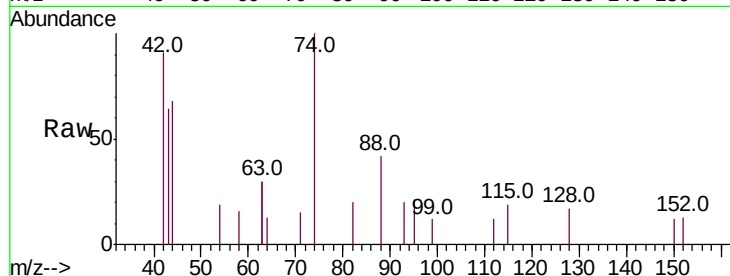
Tot Ion: 42 Resp: 535

Ion Ratio Lower Upper

42 100

74 134.4 96.0 144.0

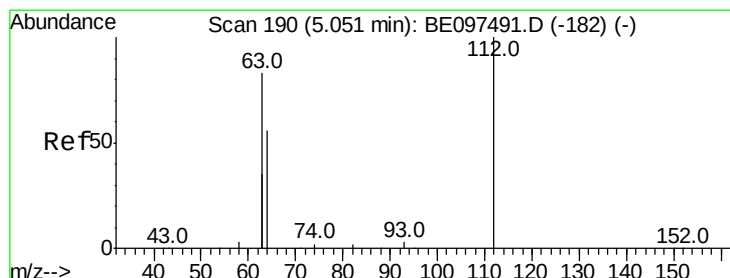
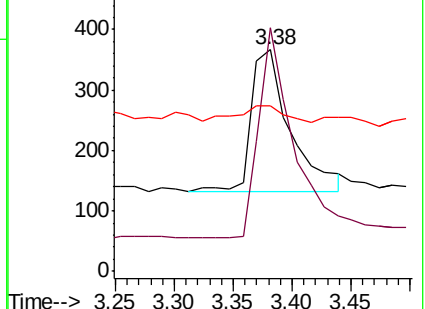
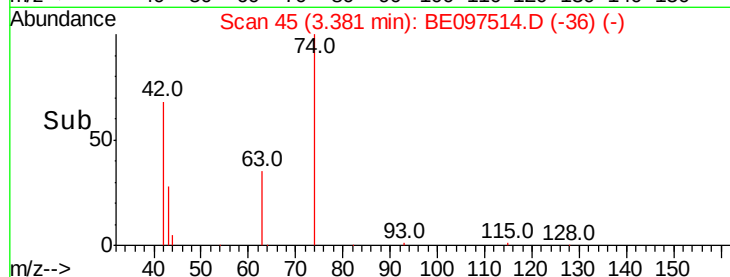
44 13.3 12.0 18.0



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: 0.391 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

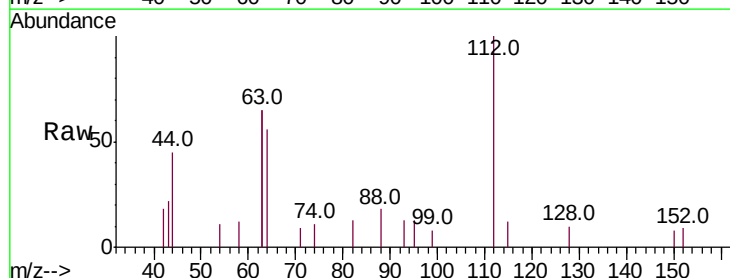
Tgt Ion: 112 Resp: 1185

Ion Ratio Lower Upper

112 100

64 65.7 60.1 90.1

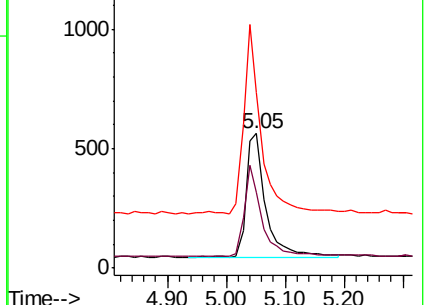
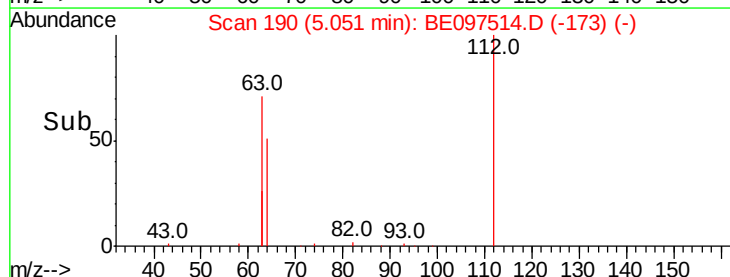
63 134.1 116.8 175.2

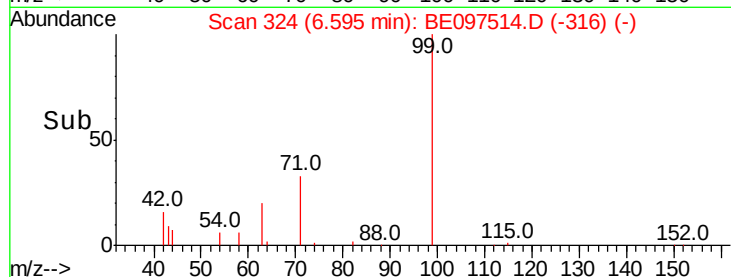
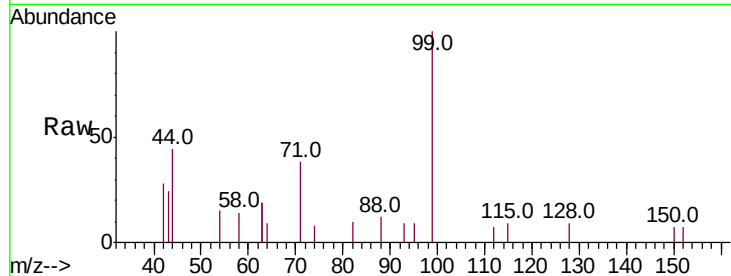
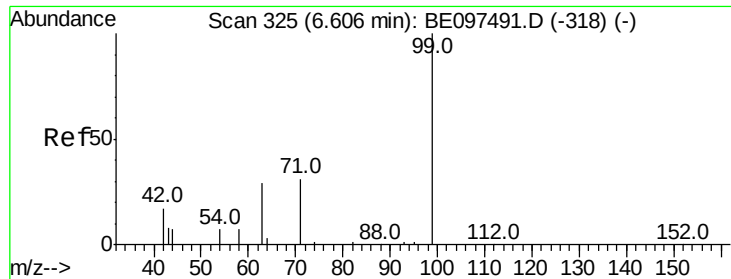


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.416 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.01 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :

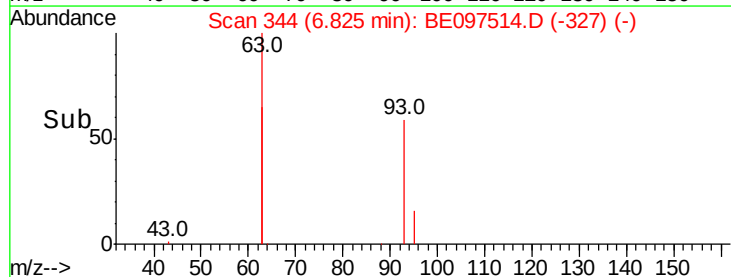
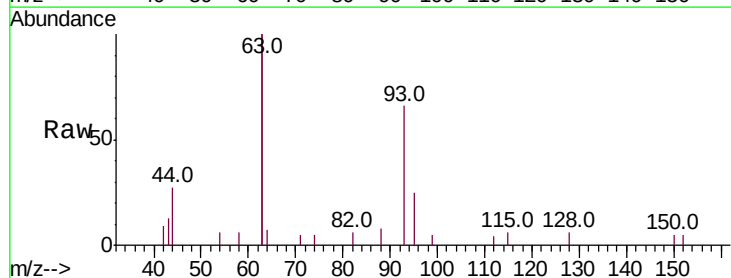
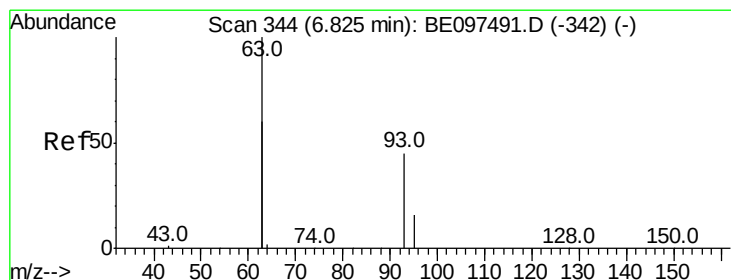
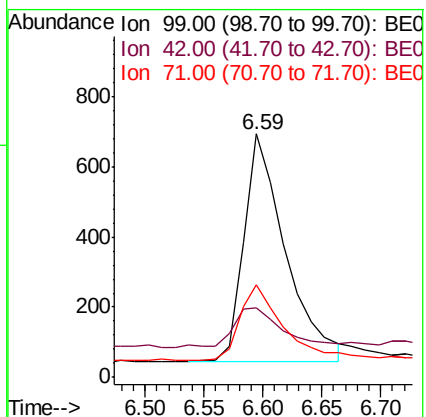
Tot Ion: 99 Resp: 1599

Ion Ratio Lower Upper

99 100

42 20.8 20.2 30.2

71 33.4 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.399 ng

RT: 6.82 min Scan# 344

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

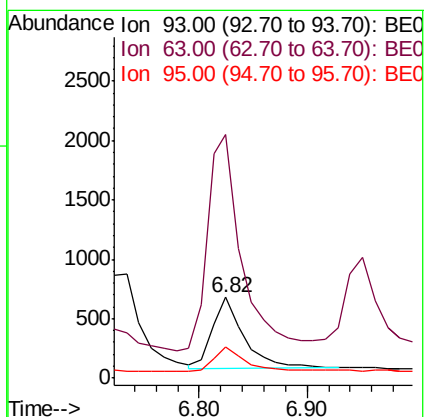
Tgt Ion: 93 Resp: 1225

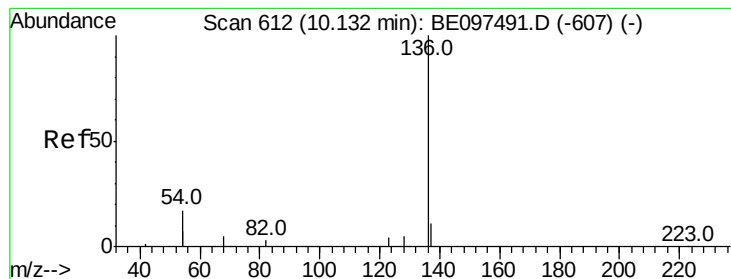
Ion Ratio Lower Upper

93 100

63 328.9 275.3 412.9

95 34.0 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4367

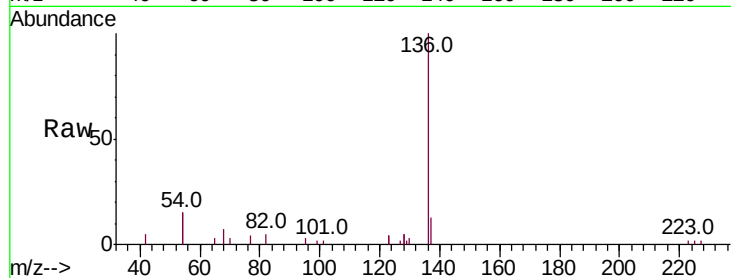
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 30.9 29.1 43.7

68 7.1 6.2 9.2

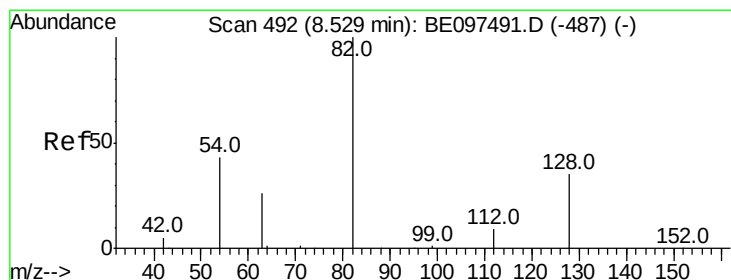
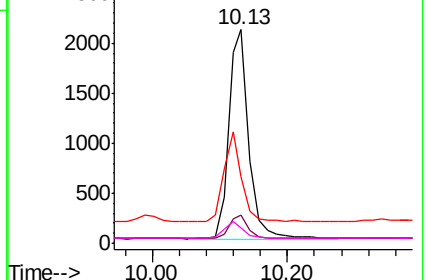
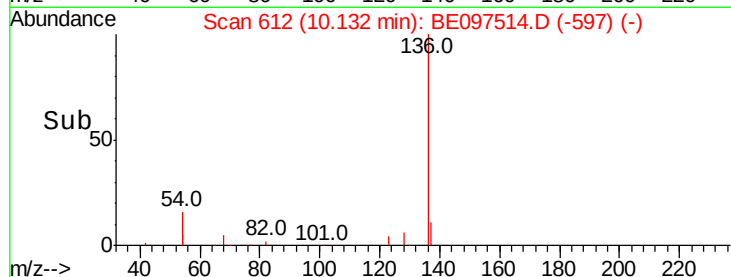


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.392 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

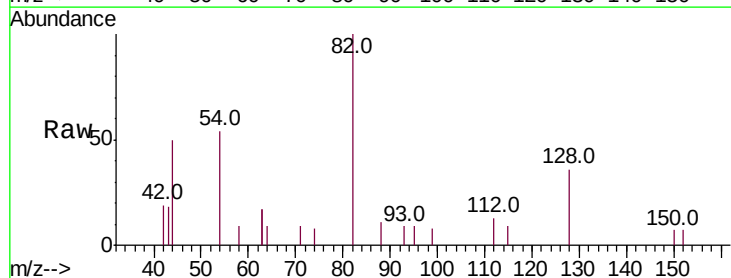
Tgt Ion: 82 Resp: 1379

Ion Ratio Lower Upper

82 100

128 36.2 24.0 36.0#

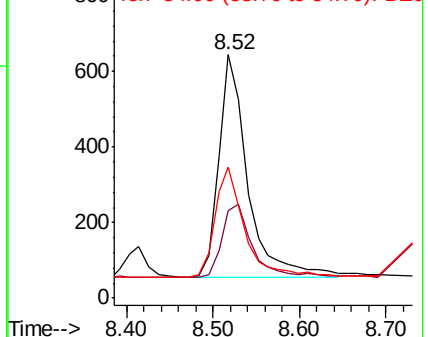
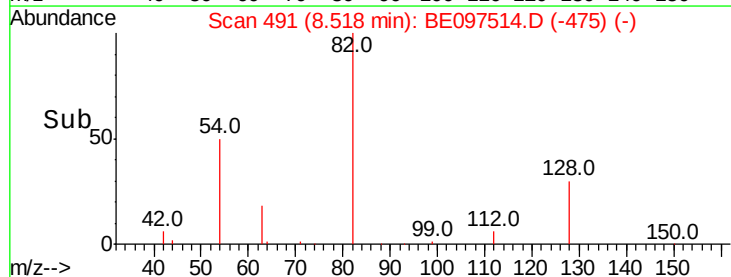
54 54.0 40.0 60.0

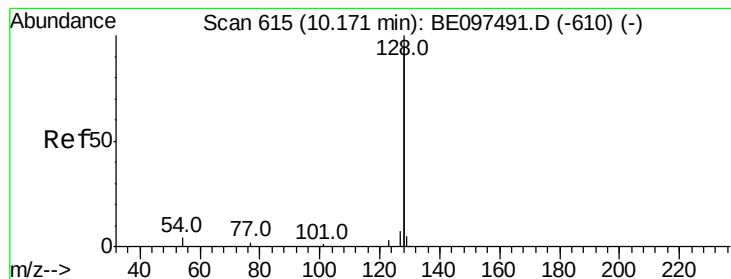


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.412 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampled :

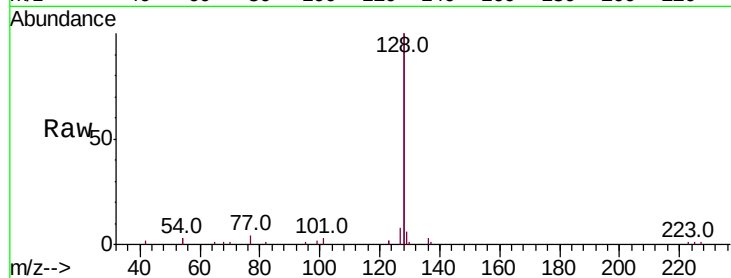
Tot Ion:128 Resp: 16315

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

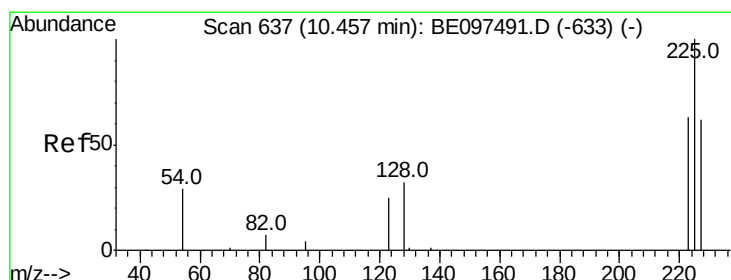
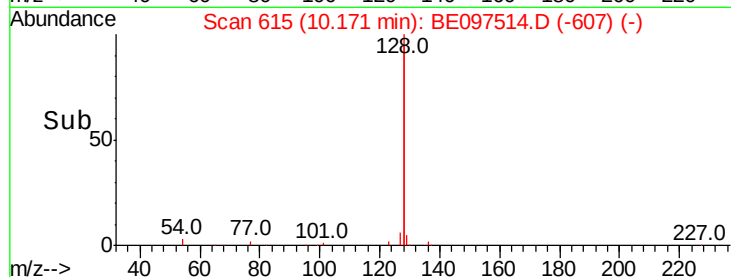
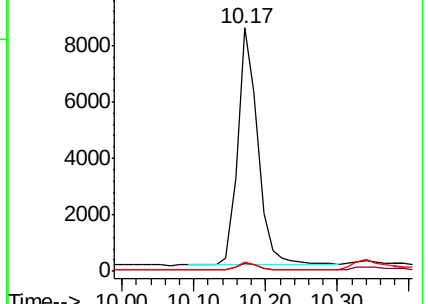
127 3.8 2.8 4.2



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: 0.392 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

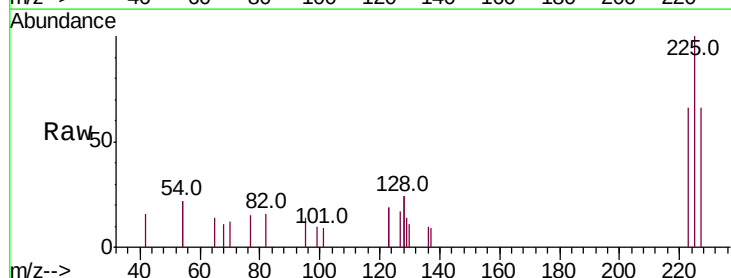
Tgt Ion:225 Resp: 737

Ion Ratio Lower Upper

225 100

223 63.5 53.0 79.6

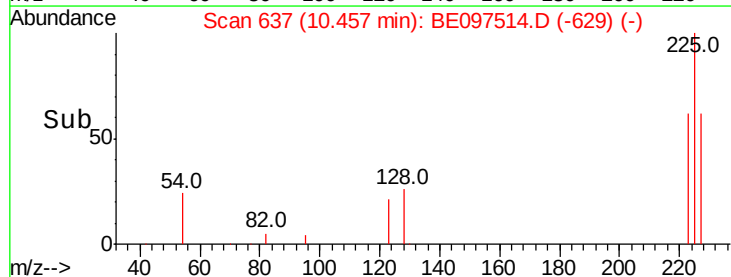
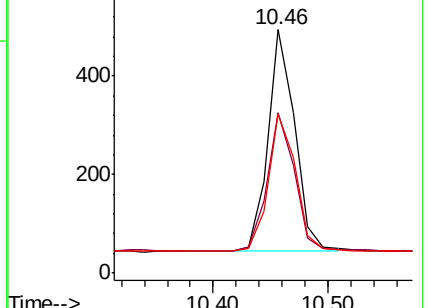
227 63.5 51.4 77.2

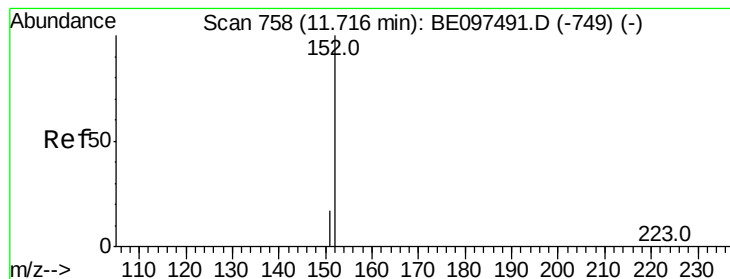


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.411 ng

RT: 11.71 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

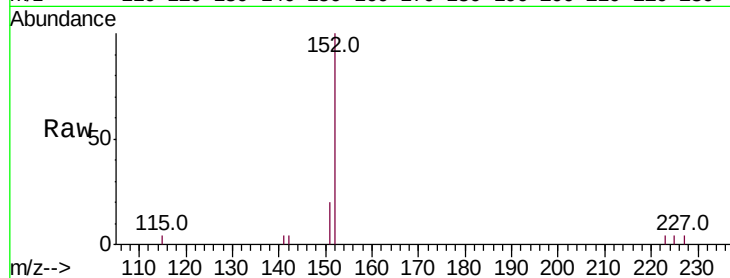
ClientSampleId :

Tot Ion:152 Resp: 2563

Ion Ratio Lower Upper

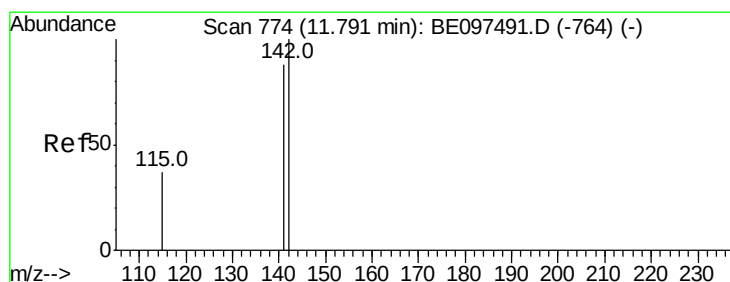
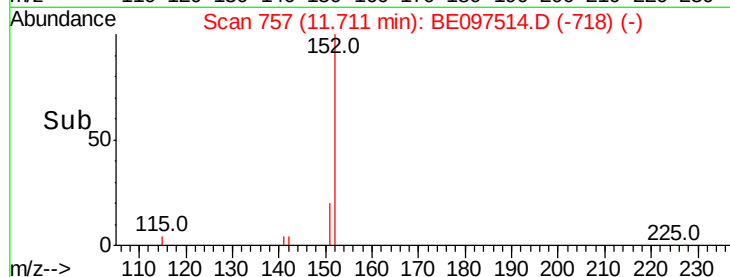
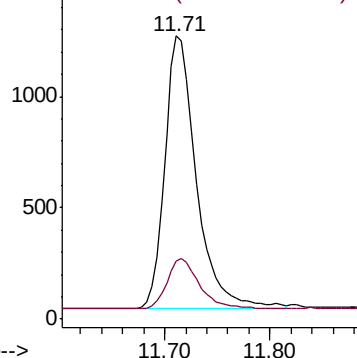
152 100

151 18.8 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: 0.415 ng

RT: 11.79 min Scan# 774

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

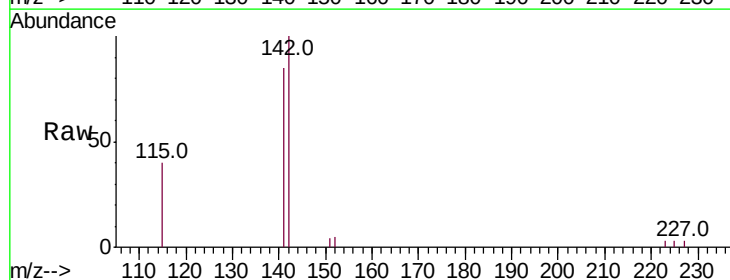
Tgt Ion:142 Resp: 2633

Ion Ratio Lower Upper

142 100

141 85.3 70.4 105.6

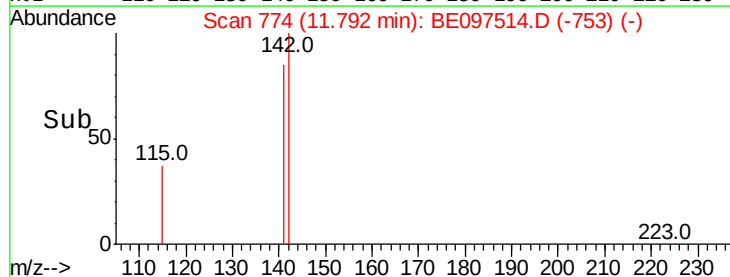
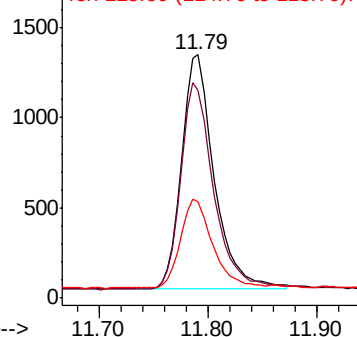
115 39.6 31.7 47.5

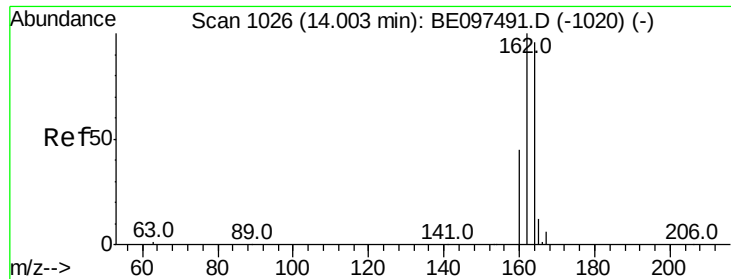


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

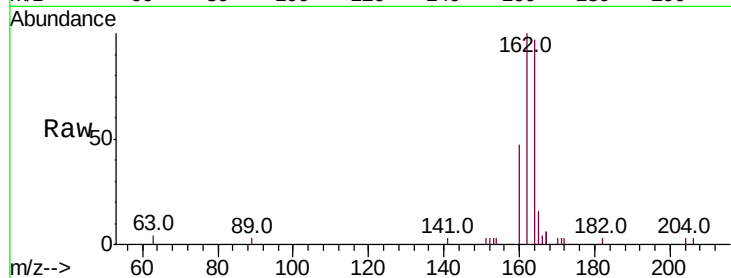




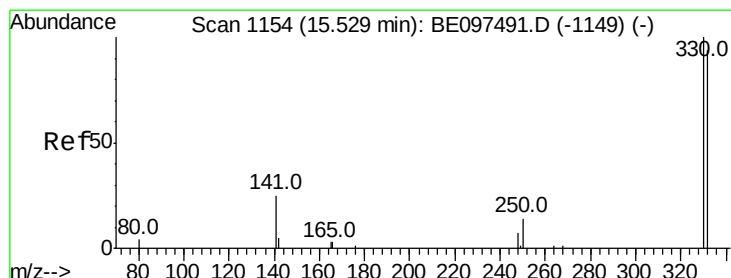
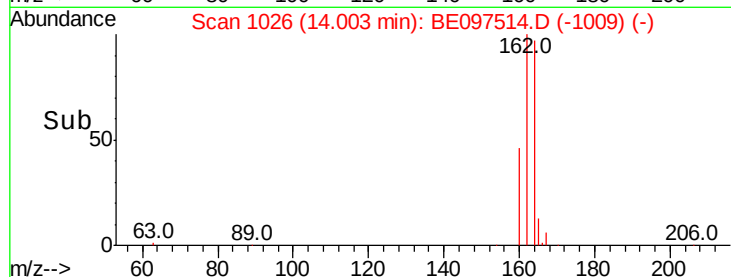
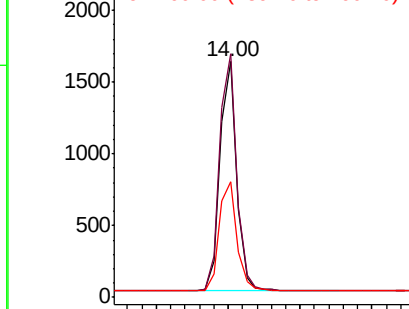
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BE097514.D
 Acq: 18 Sep 2018 2:29

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2573
 Ion Ratio Lower Upper
 164 100
 162 103.4 83.1 124.7
 160 49.0 37.1 55.7

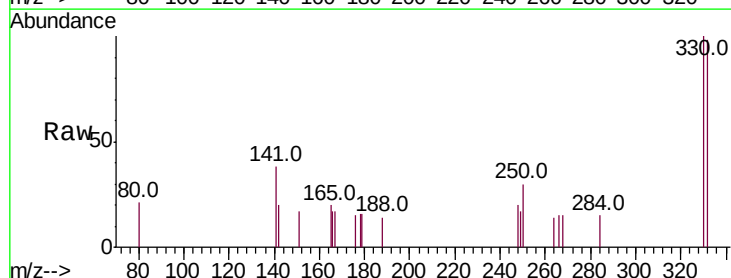


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

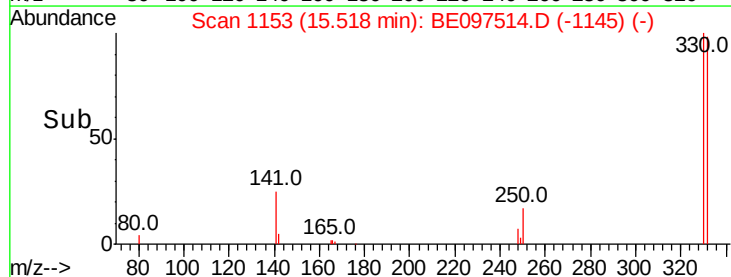
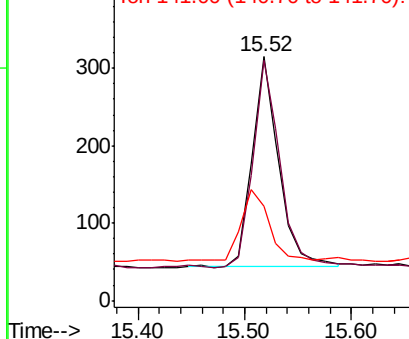


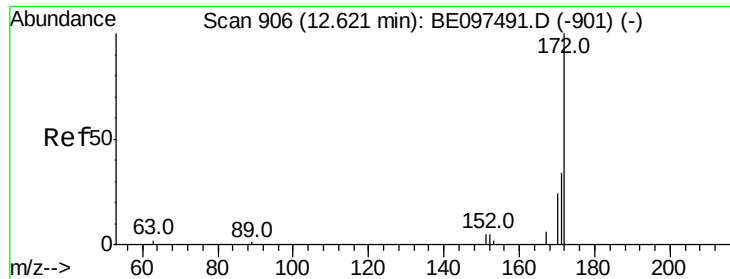
#14
 2,4,6-Tribromophenol
 Concen: 0.344 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BE097514.D
 Acq: 18 Sep 2018 2:29

Tgt Ion:330 Resp: 467
 Ion Ratio Lower Upper
 330 100
 332 101.5 152.7 229.1#
 141 34.5 33.7 50.5



Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

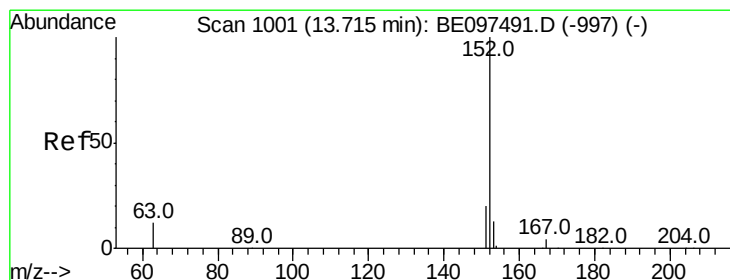
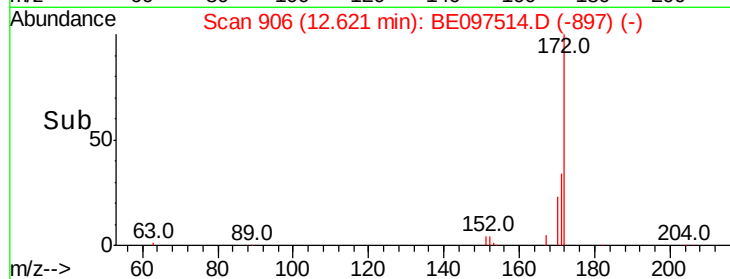
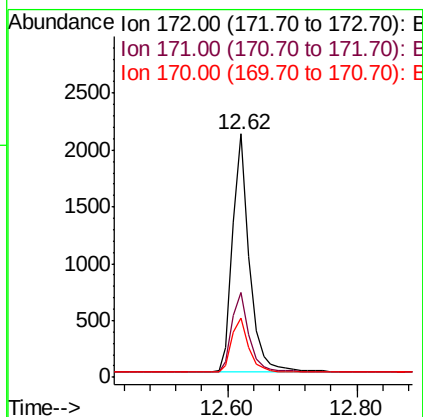
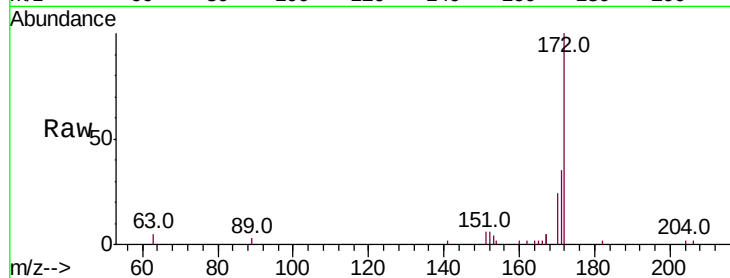




#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 12.62 min Scan# 906
Delta R.T. 0.00 min
Lab File: BE097514.D
Acq: 18 Sep 2018 2:29

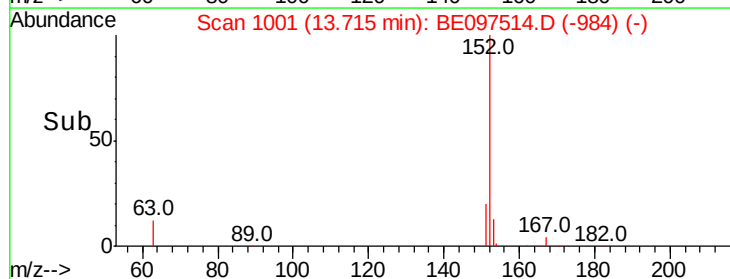
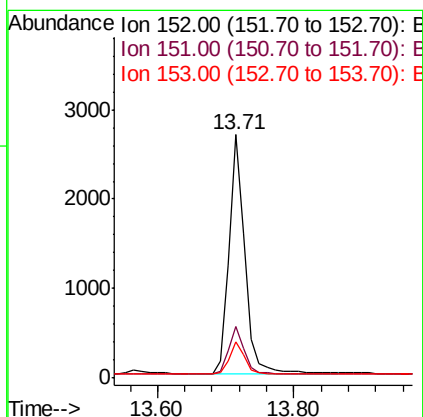
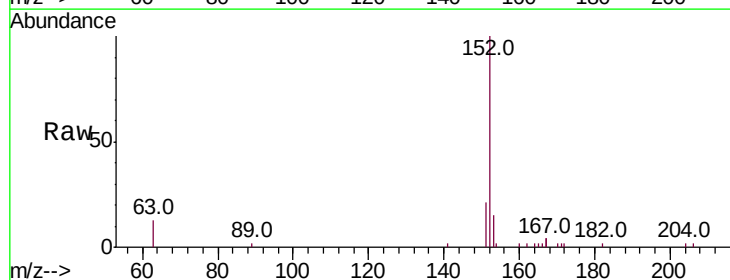
Instrument :
BNA_E
ClientSampleId :

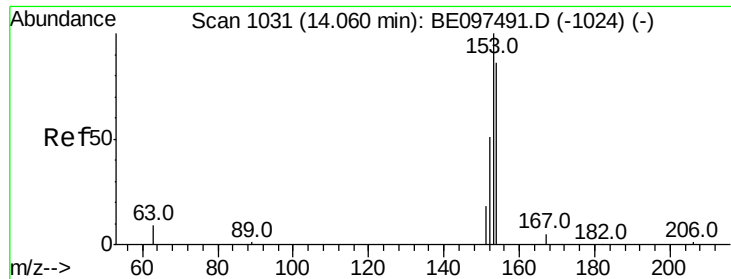
Tot Ion:172 Resp: 3756
Ion Ratio Lower Upper
172 100
171 35.1 29.9 44.9
170 24.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.393 ng
RT: 13.71 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BE097514.D
Acq: 18 Sep 2018 2:29

Tgt Ion:152 Resp: 4393
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.0 10.5 15.7

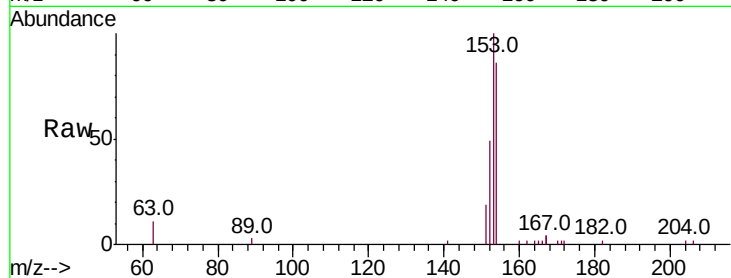




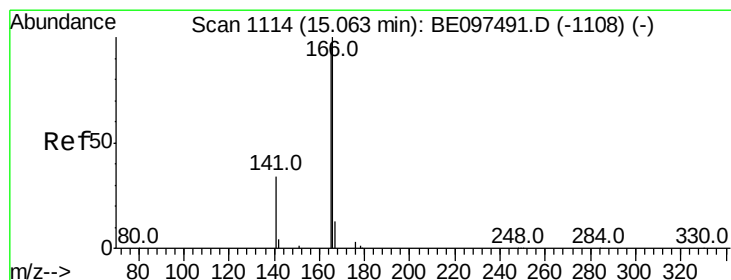
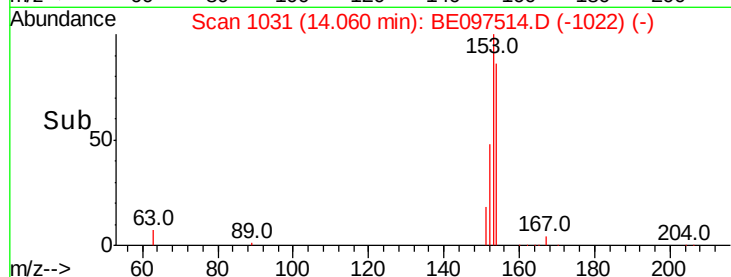
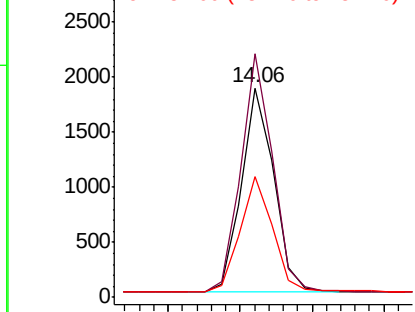
#17
Acenaphthene
Concen: 0.419 ng
RT: 14.06 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BE097514.D
Acq: 18 Sep 2018 2:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 2891
Ion Ratio Lower Upper
154 100
153 114.7 89.2 133.8
152 56.3 42.0 63.0

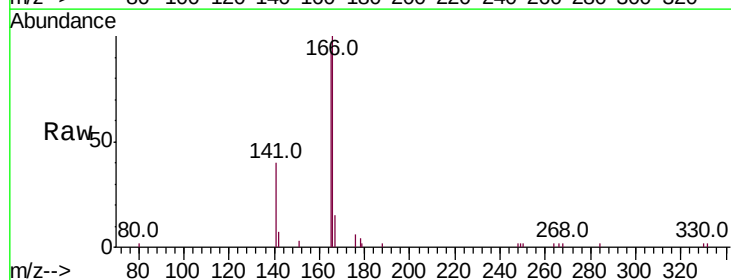


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

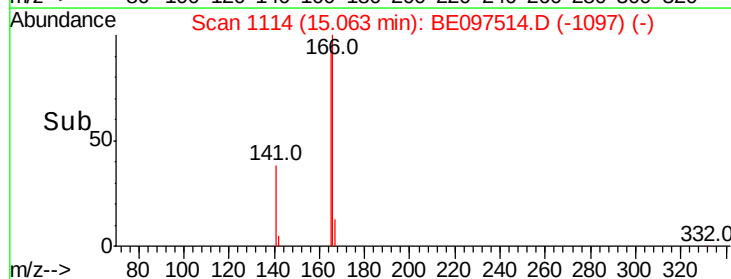
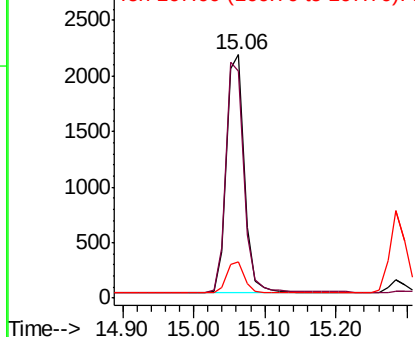


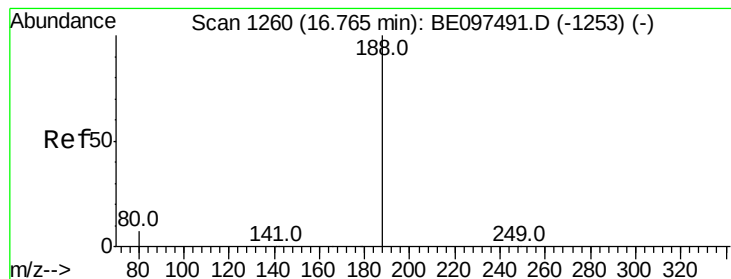
#18
Fluorene
Concen: 0.430 ng
RT: 15.06 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BE097514.D
Acq: 18 Sep 2018 2:29

Tgt Ion:166 Resp: 3787
Ion Ratio Lower Upper
166 100
165 97.5 77.8 116.6
167 13.5 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# 1259

Delta R.T. -0.01 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :

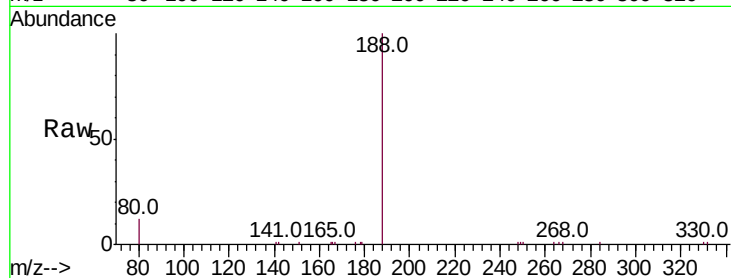
Tot Ion:188 Resp: 6922

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

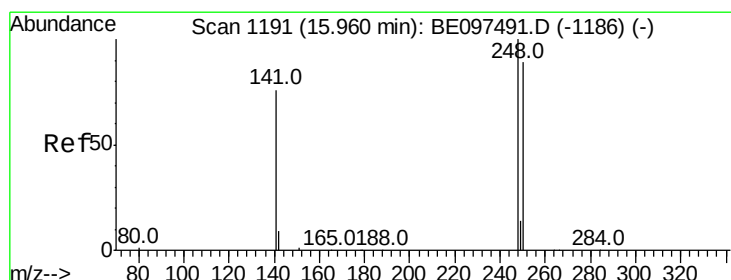
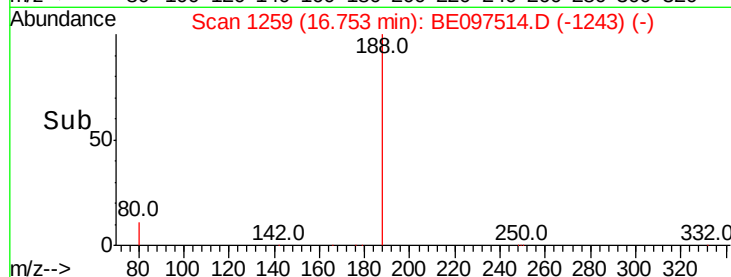
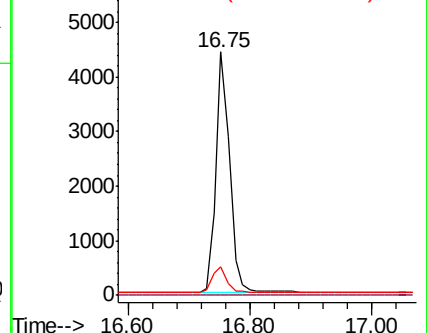
80 12.0 3.6 5.4#



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: 0.399 ng

RT: 15.96 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

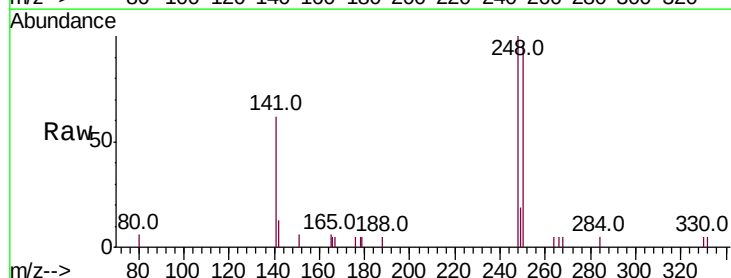
Tgt Ion:248 Resp: 1332

Ion Ratio Lower Upper

248 100

250 95.6 62.7 94.1#

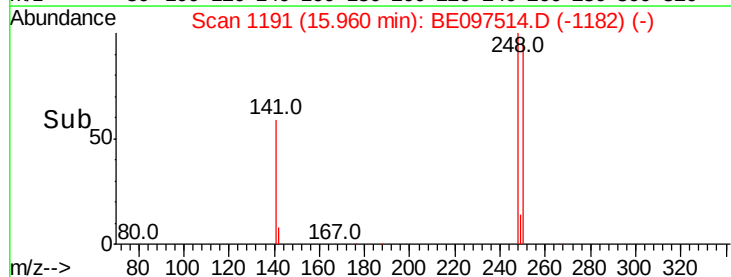
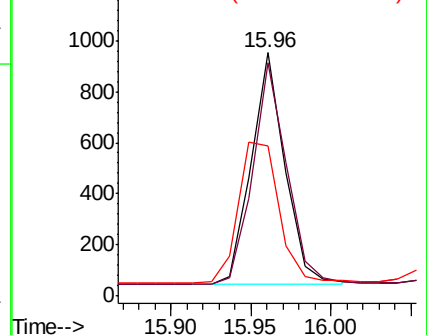
141 61.9 48.2 72.2

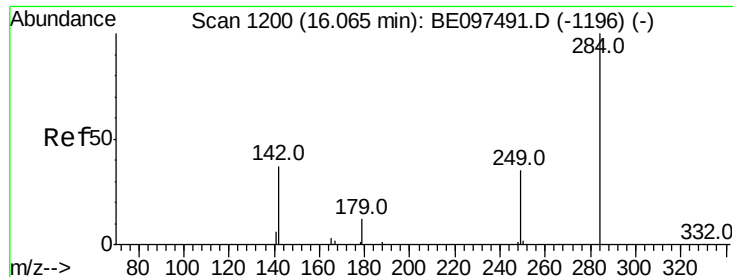


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

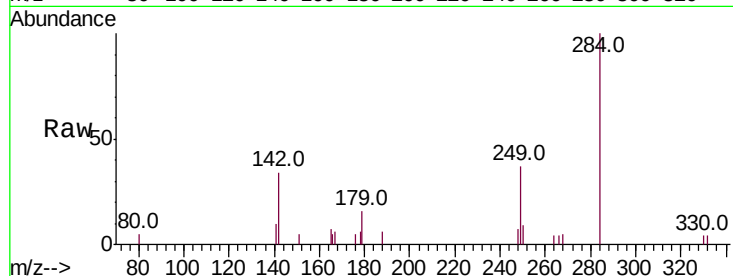




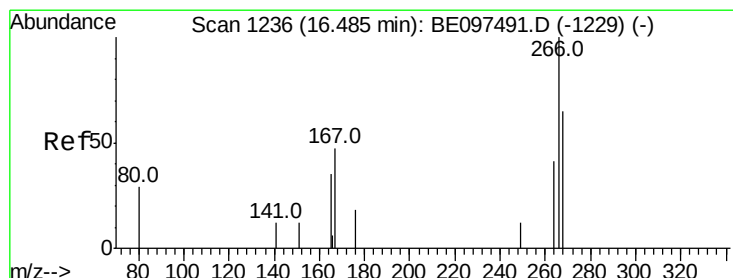
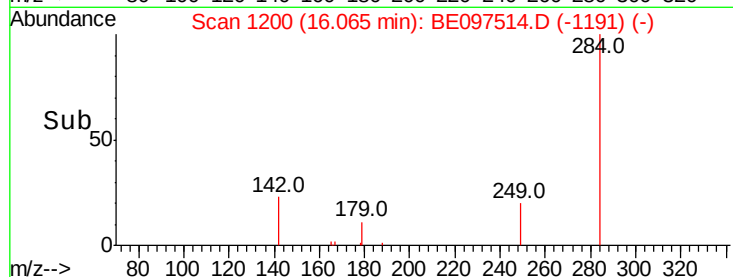
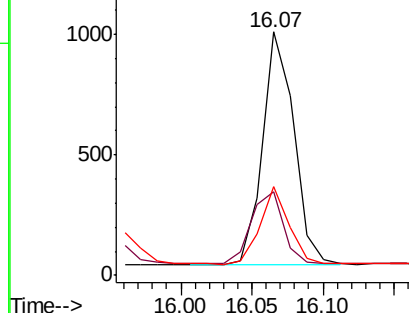
#21
Hexachlorobenzene
Concen: 0.417 ng
RT: 16.07 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BE097514.D
Acq: 18 Sep 2018 2:29

Instrument :
BNA_E
ClientSampled :

Tot Ion:284 Resp: 1476
Ion Ratio Lower Upper
284 100
142 32.0 22.1 33.1
249 30.4 34.8 52.2#

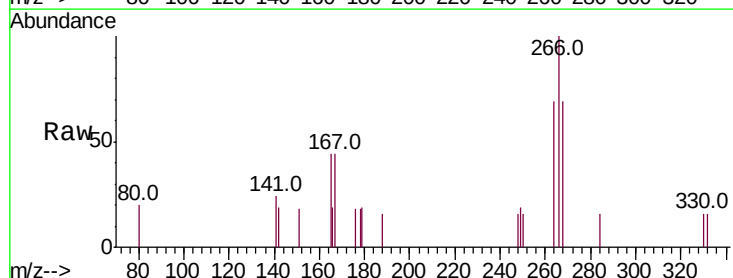


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

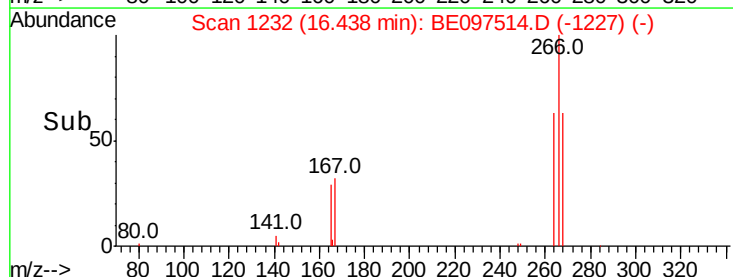
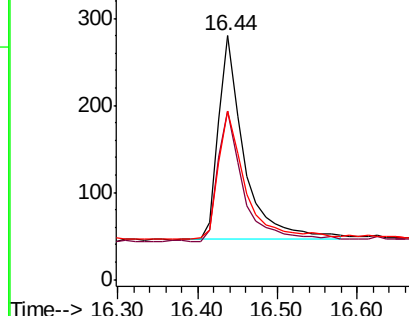


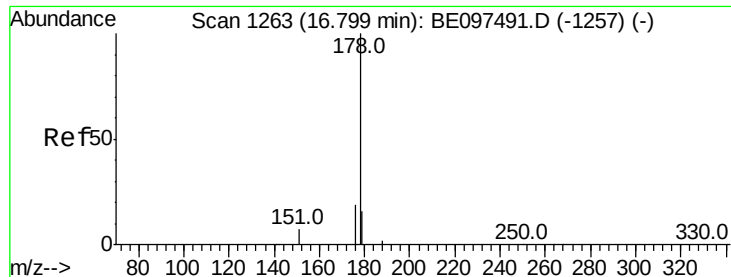
#22
Pentachlorophenol
Concen: 0.915 ng
RT: 16.44 min Scan# 1232
Delta R.T. -0.05 min
Lab File: BE097514.D
Acq: 18 Sep 2018 2:29

Tgt Ion:266 Resp: 524
Ion Ratio Lower Upper
266 100
264 68.9 72.5 108.7#
268 69.3 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: 0.421 ng

RT: 16.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :

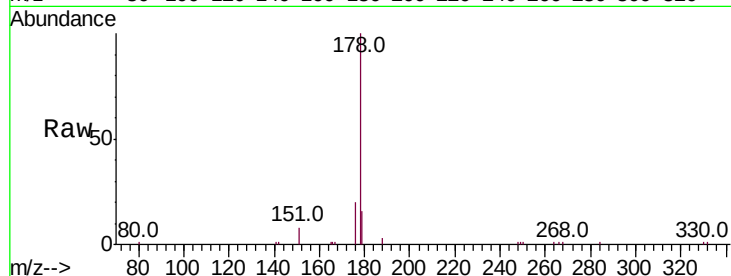
Tot Ion:178 Resp: 6850

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

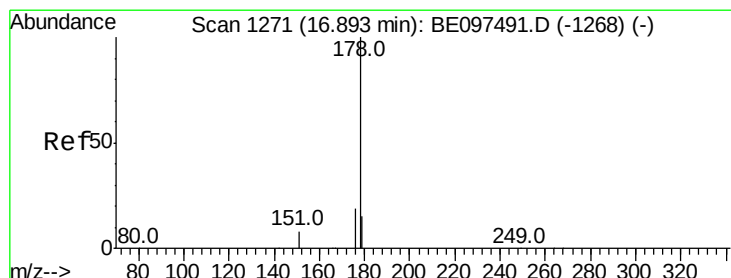
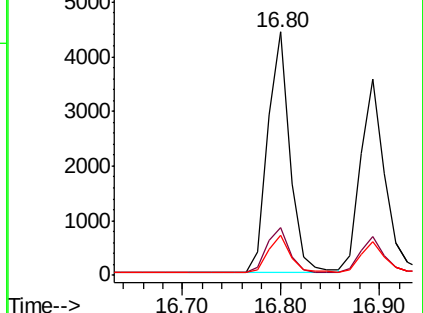
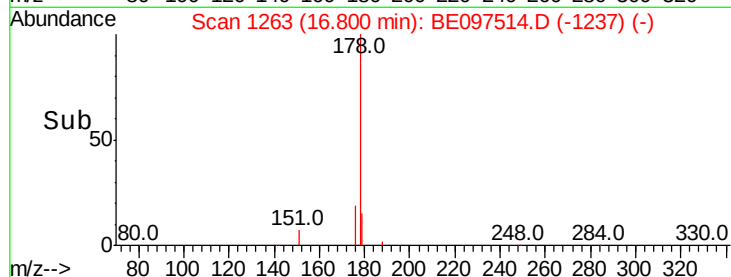
179 15.2 11.8 17.6



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: 0.396 ng

RT: 16.89 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

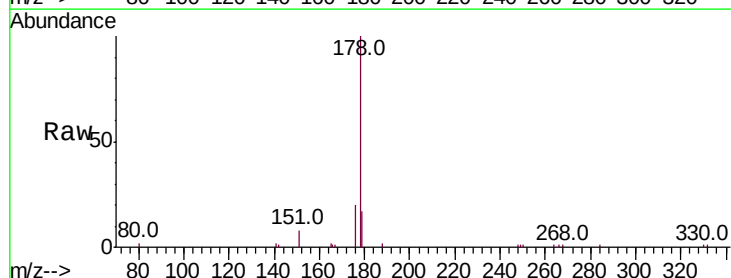
Tgt Ion:178 Resp: 5955

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

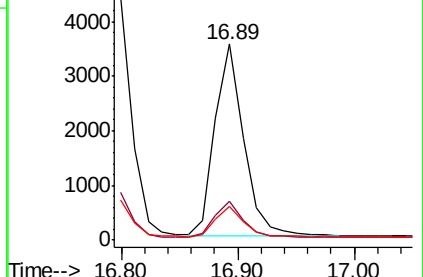
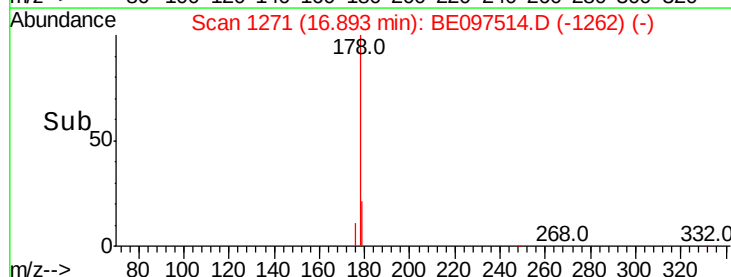
179 15.2 13.0 19.6

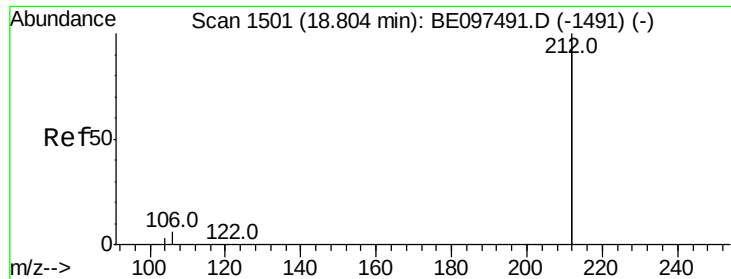


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.389 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :

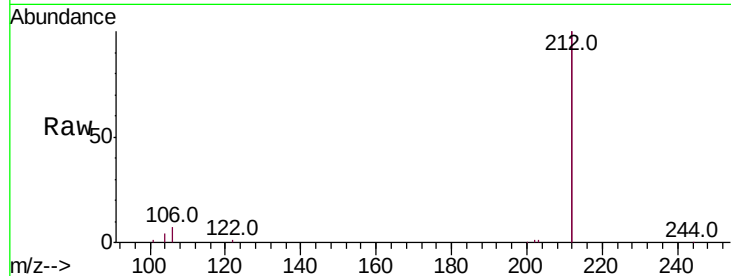
Tot Ion:212 Resp: 32364

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

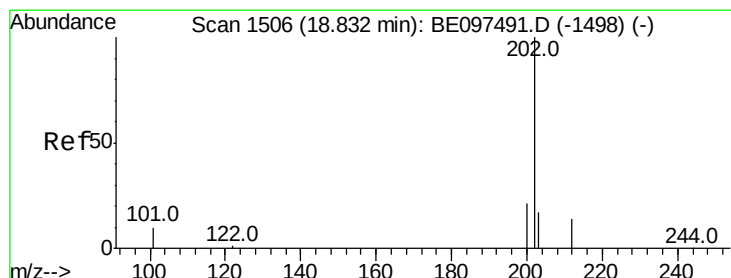
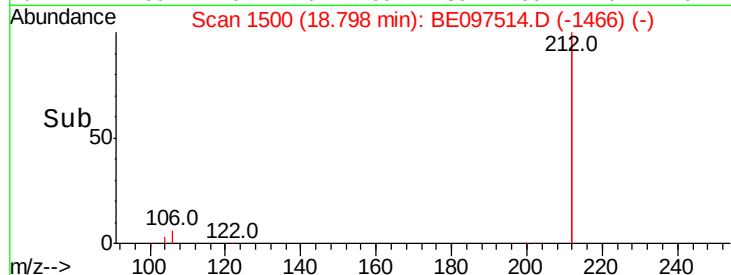
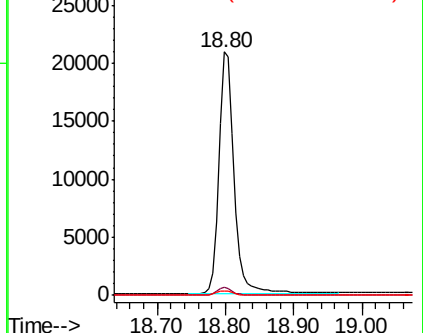
104 1.6 1.6 2.4



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: 0.389 ng

RT: 18.83 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

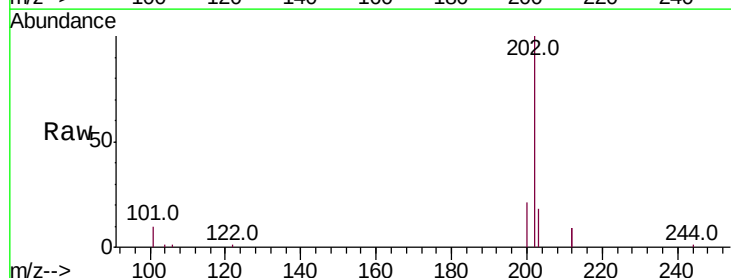
Tgt Ion:202 Resp: 8265

Ion Ratio Lower Upper

202 100

101 10.9 9.8 14.8

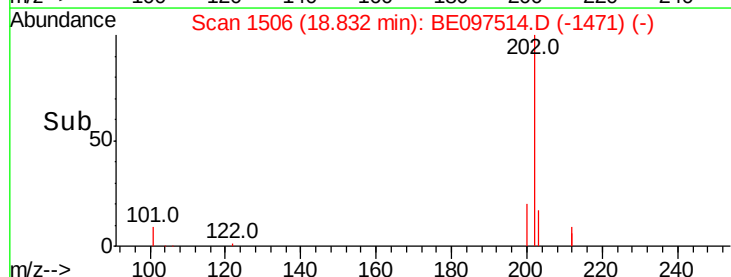
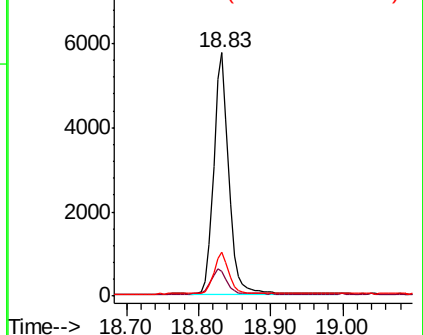
203 17.1 13.7 20.5

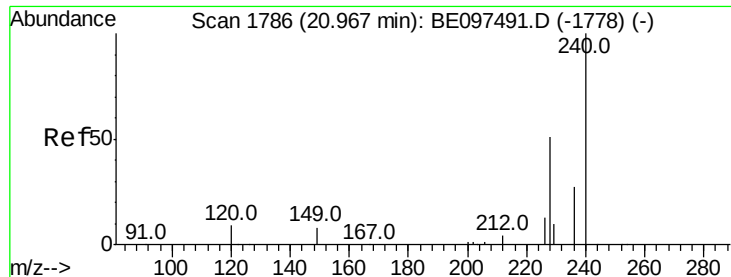


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1786

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :

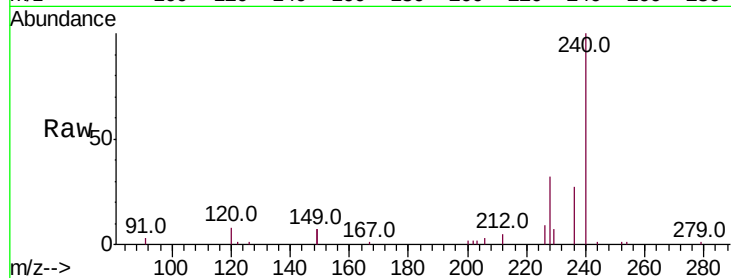
Tot Ion:240 Resp: 8062

Ion Ratio Lower Upper

240 100

120 7.6 5.5 8.3

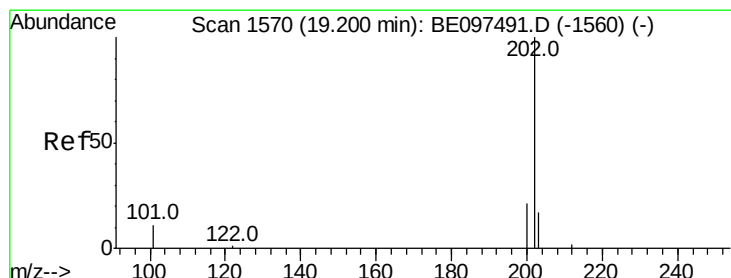
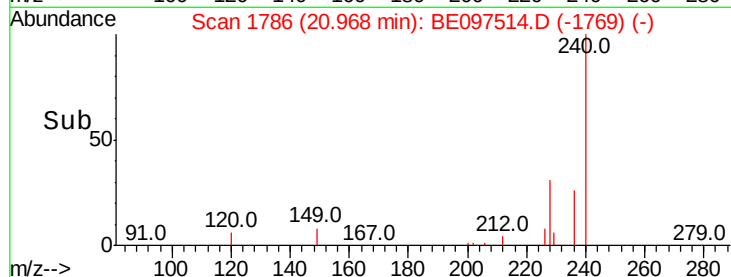
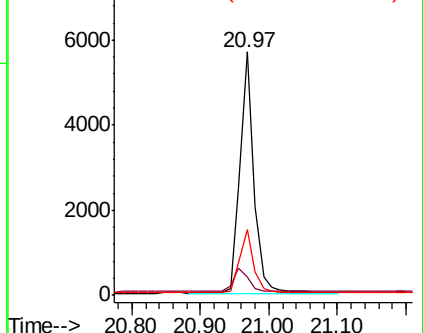
236 26.8 20.7 31.1



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: 0.417 ng

RT: 19.19 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

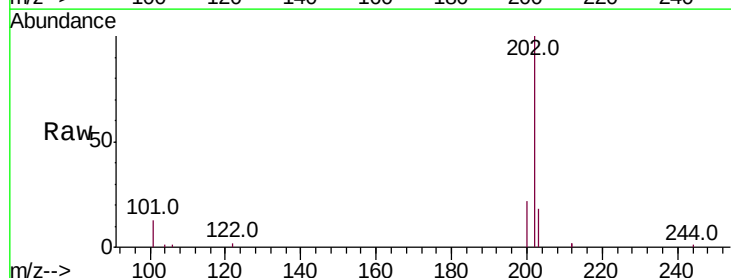
Tgt Ion:202 Resp: 8645

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

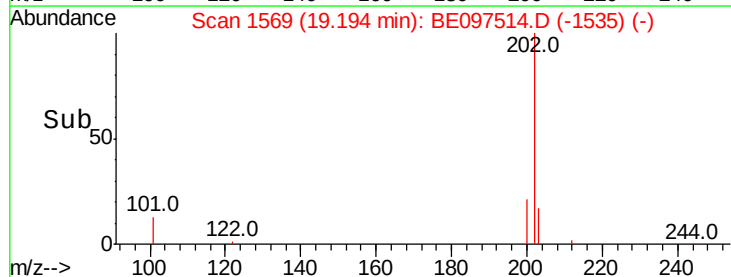
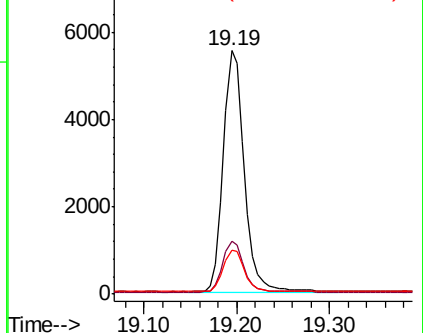
203 17.8 13.8 20.8

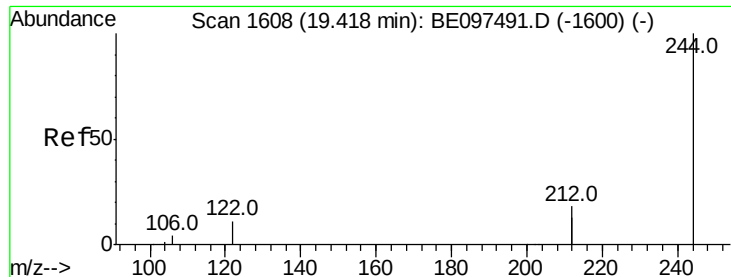


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.421 ng

RT: 19.42 min Scan# 1608

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :

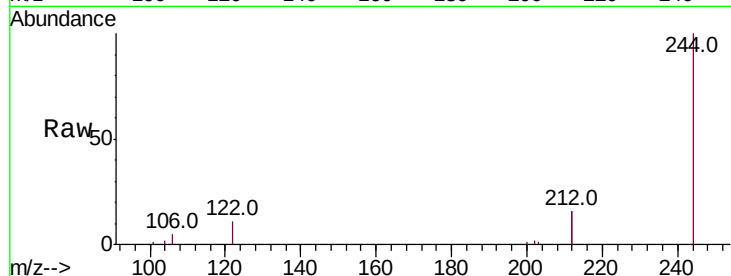
Tot Ion:244 Resp: 6489

Ion Ratio Lower Upper

244 100

212 32.4 25.4 38.0

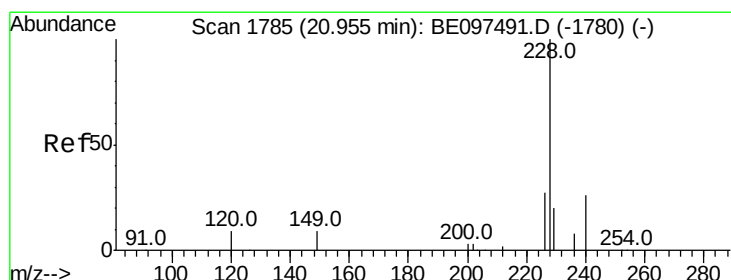
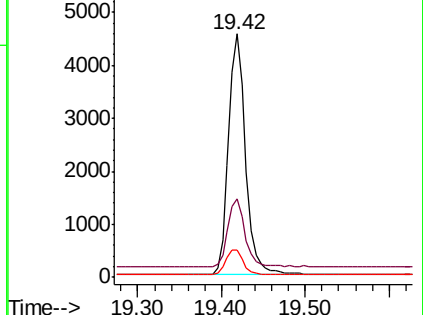
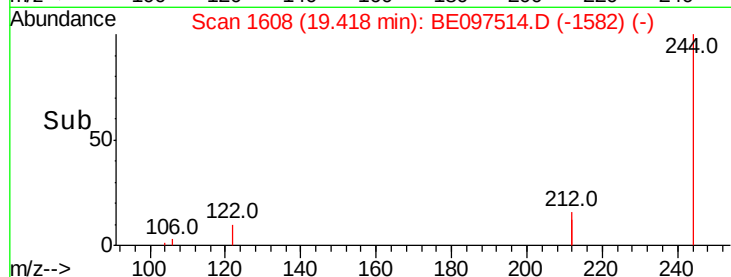
122 11.2 8.1 12.1



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: 0.407 ng

RT: 20.96 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

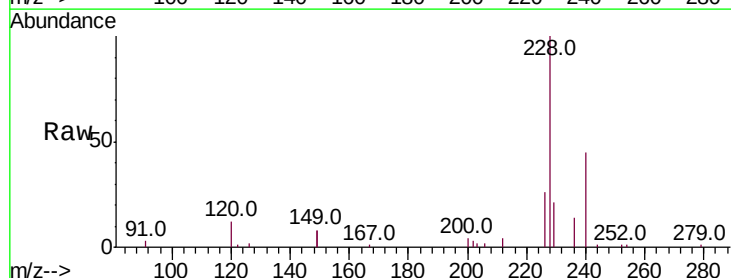
Tgt Ion:228 Resp: 8628

Ion Ratio Lower Upper

228 100

226 26.4 24.0 36.0

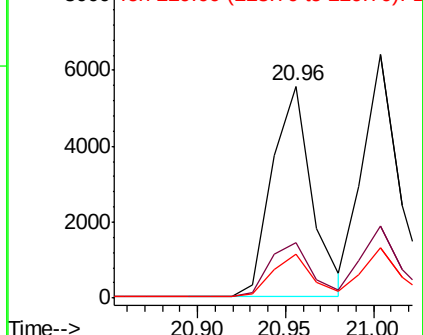
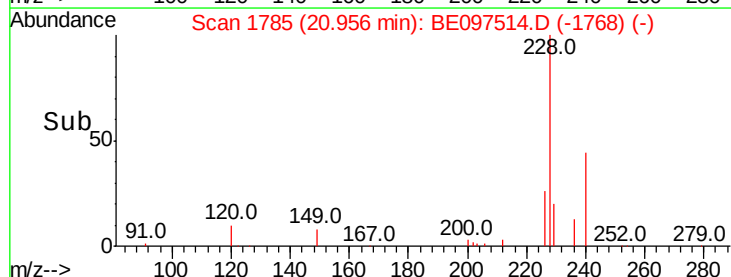
229 20.7 16.0 24.0

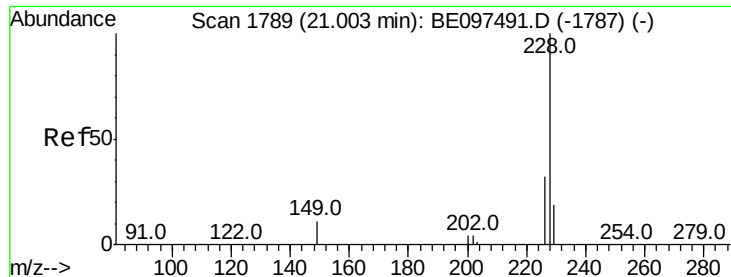


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.408 ng

RT: 21.00 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :

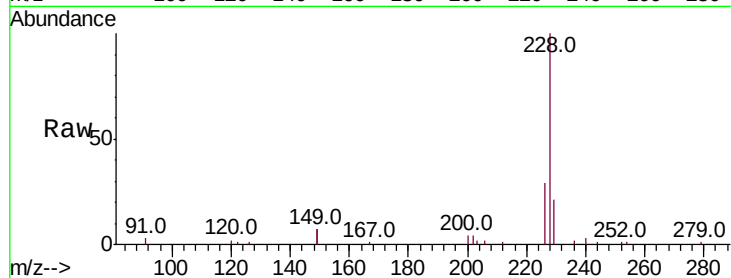
Tot Ion:228 Resp: 8879

Ion Ratio Lower Upper

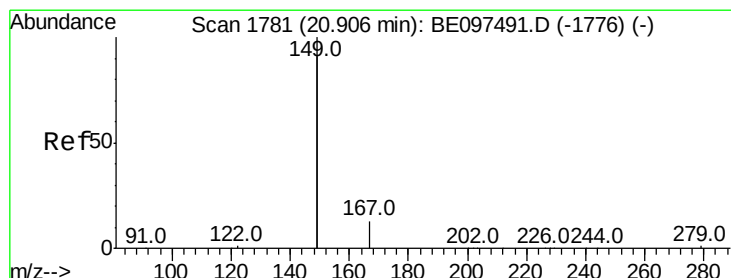
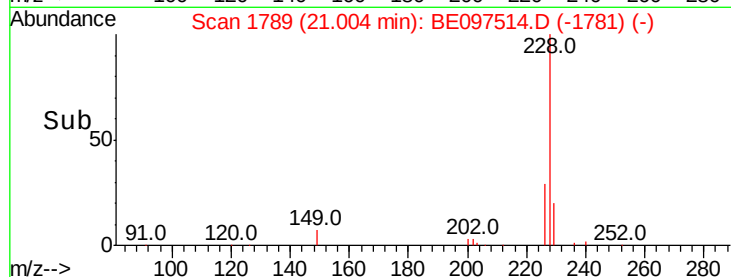
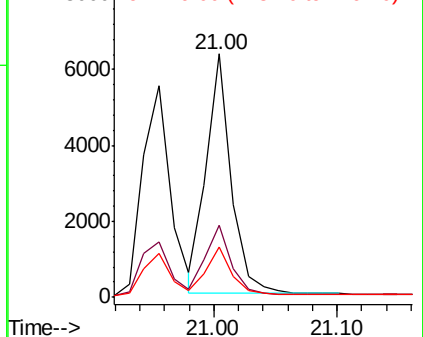
228 100

226 29.5 24.0 36.0

229 20.5 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: 0.391 ng

RT: 20.91 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

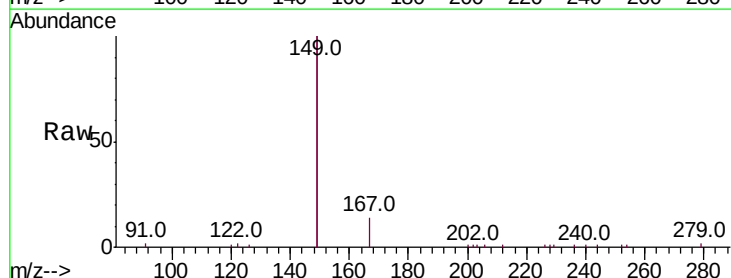
Tgt Ion:149 Resp: 17597

Ion Ratio Lower Upper

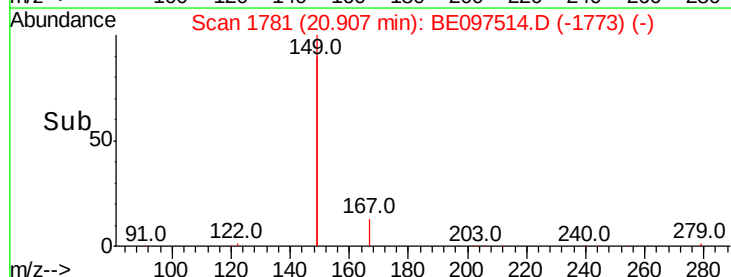
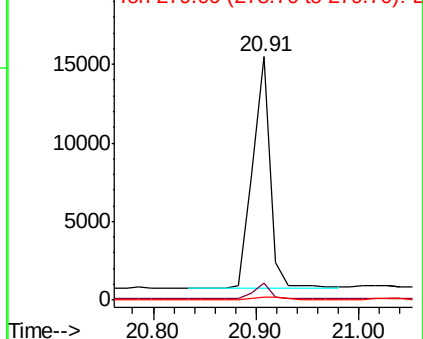
149 100

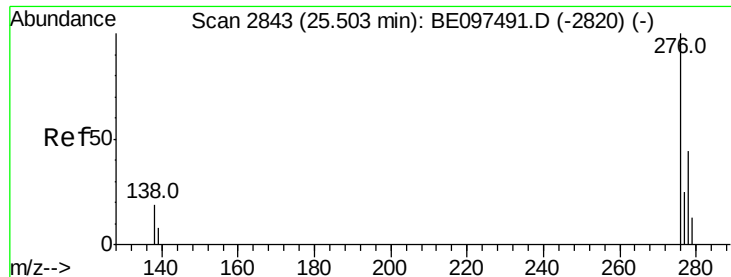
167 6.6 5.4 8.0

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: 0.431 ng

RT: 25.50 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :

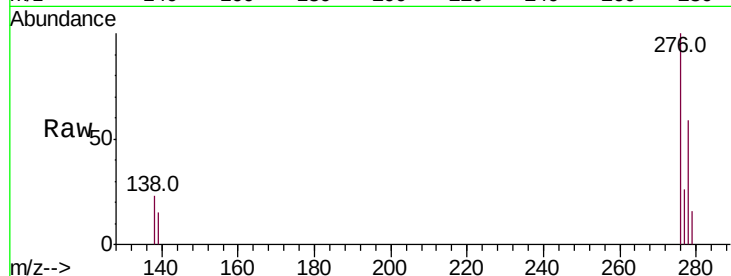
Tot Ion:276 Resp: 11166

Ion Ratio Lower Upper

276 100

138 21.7 22.5 33.7#

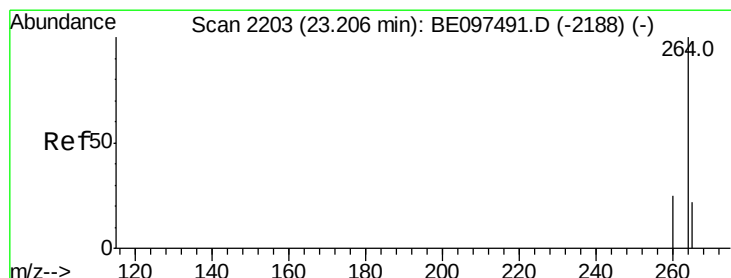
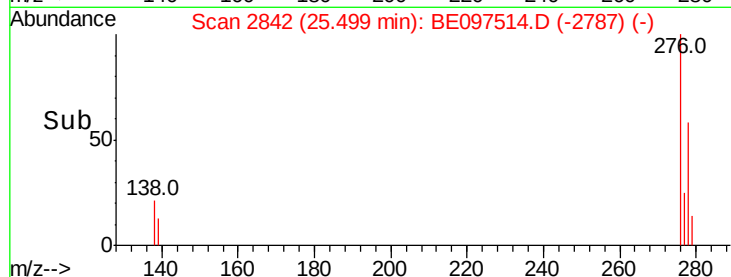
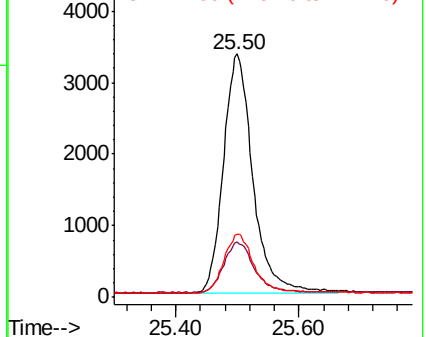
277 24.9 19.9 29.9



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# 2203

Delta R.T. -0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

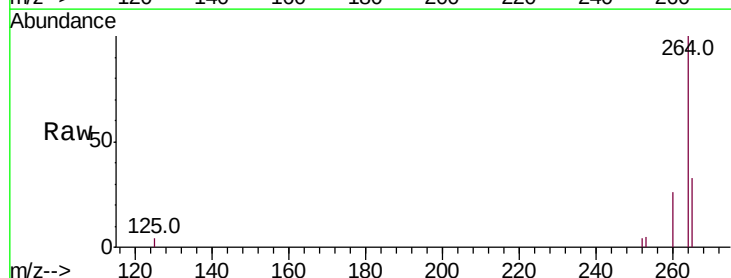
Tgt Ion:264 Resp: 8338

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

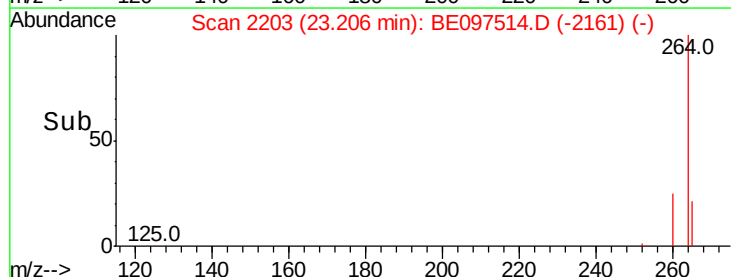
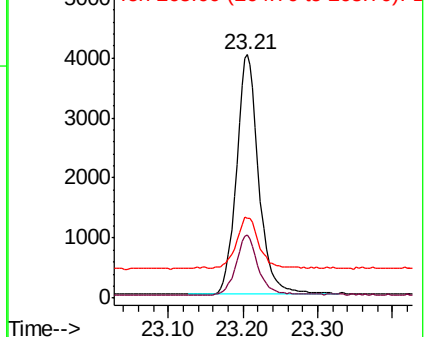
265 32.8 22.8 34.2

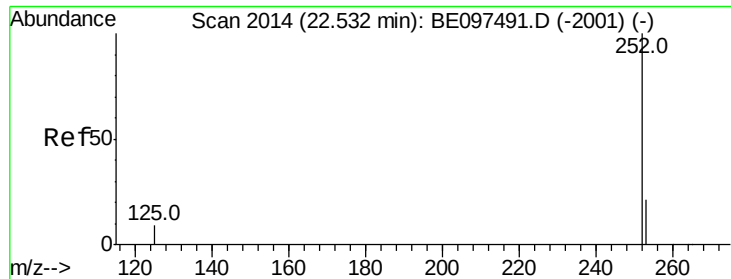


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

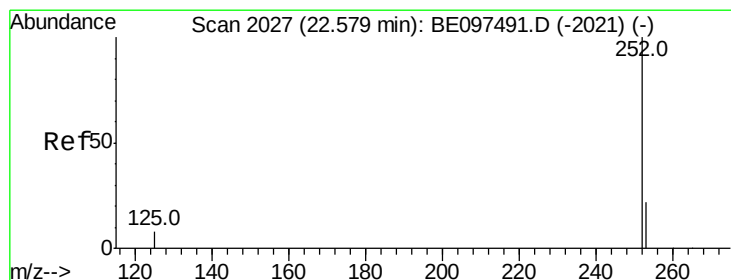
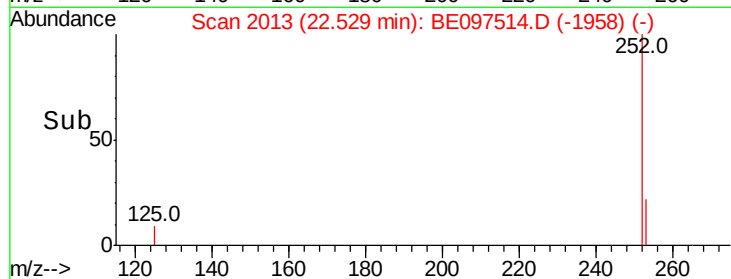
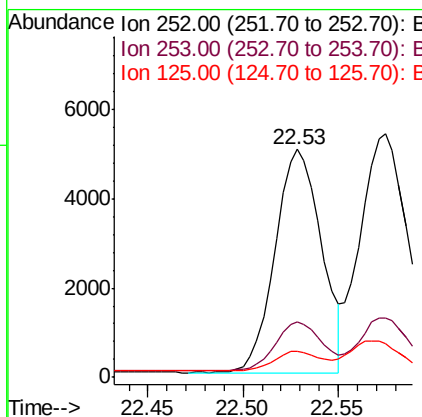
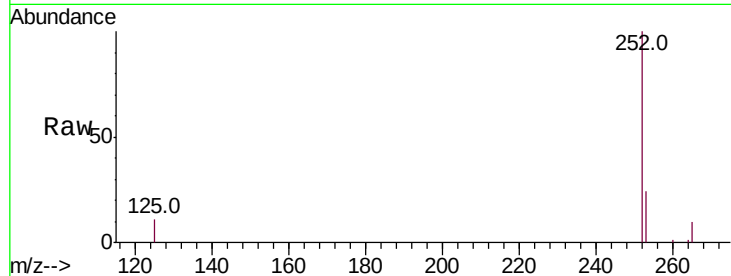




#35
Benzo(b)fluoranthene
Concen: 0.396 ng
RT: 22.53 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BE097514.D
Acq: 18 Sep 2018 2:29

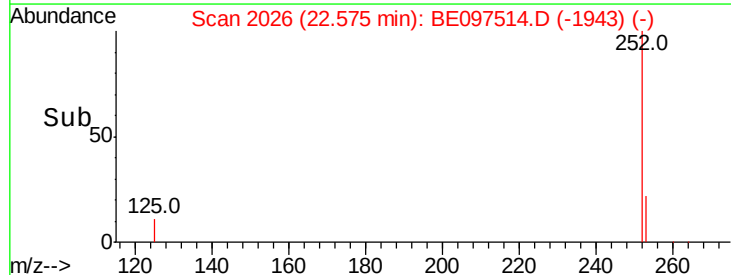
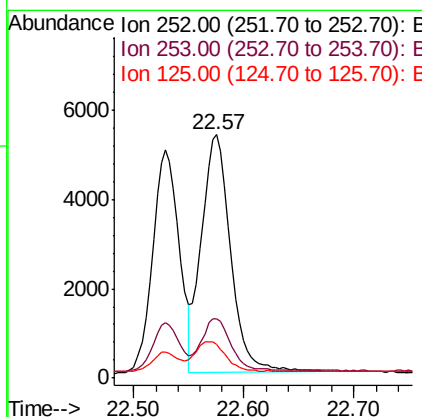
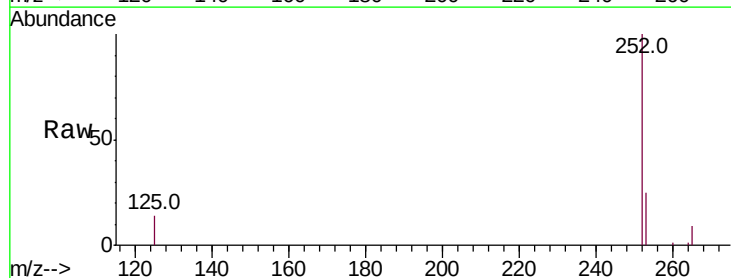
Instrument :
BNA_E
ClientSampleId :

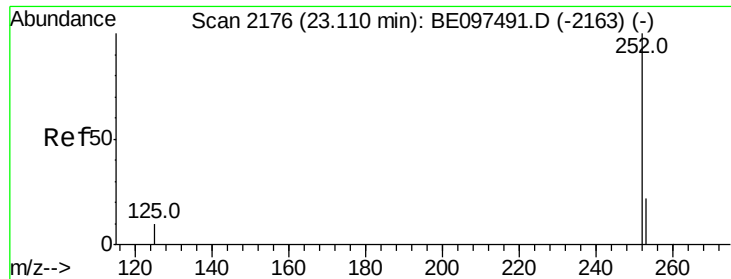
Tot Ion:252 Resp: 8437
Ion Ratio Lower Upper
252 100
253 24.3 20.0 30.0
125 11.3 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.422 ng
RT: 22.57 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BE097514.D
Acq: 18 Sep 2018 2:29

Tgt Ion:252 Resp: 9804
Ion Ratio Lower Upper
252 100
253 24.6 16.0 24.0#
125 13.7 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.407 ng

RT: 23.11 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :

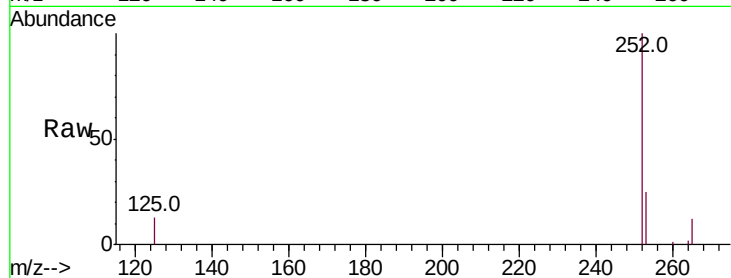
Tot Ion:252 Resp: 8622

Ion Ratio Lower Upper

252 100

253 25.3 16.0 24.0#

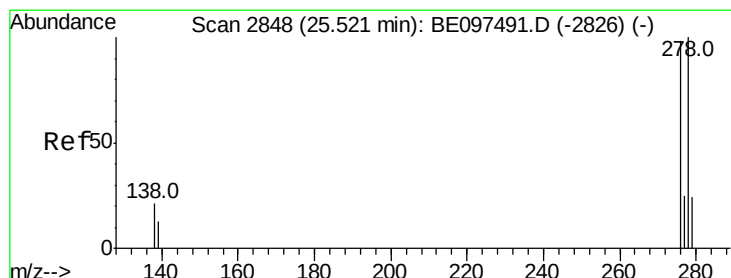
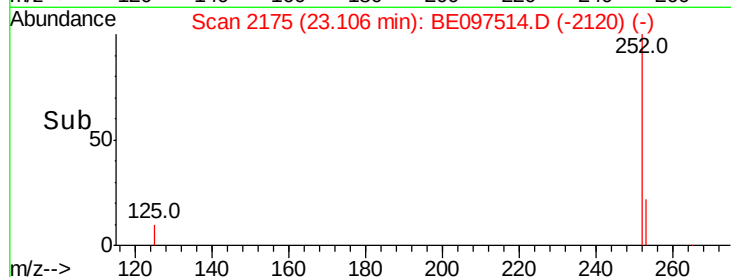
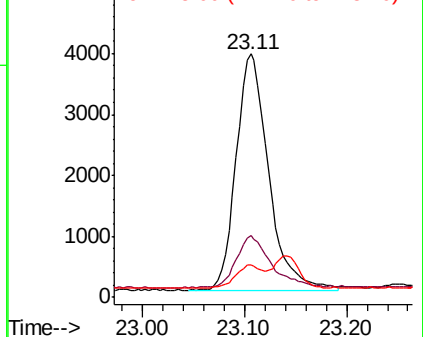
125 13.2 12.0 18.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.425 ng

RT: 25.51 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

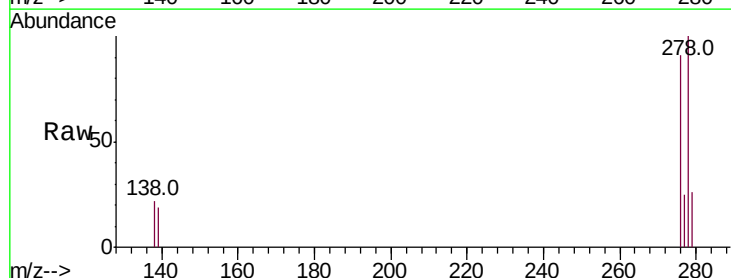
Tgt Ion:278 Resp: 9388

Ion Ratio Lower Upper

278 100

139 18.6 16.0 24.0

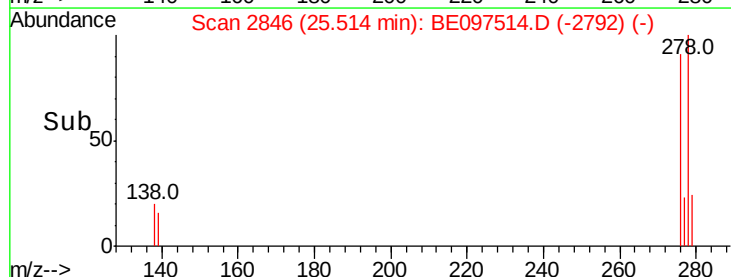
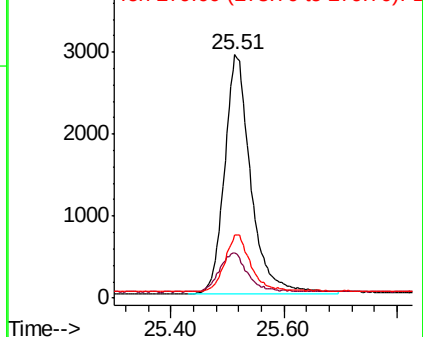
279 26.0 20.0 30.0

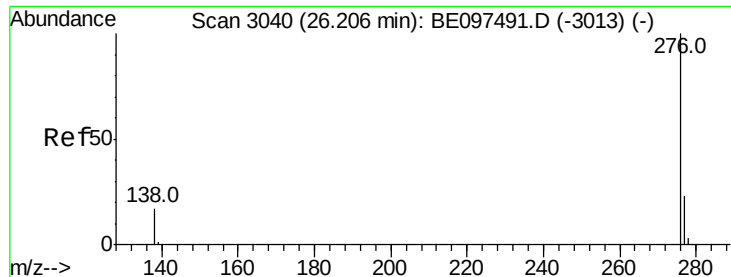


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.405 ng

RT: 26.20 min Scan# 3038

Delta R.T. -0.01 min

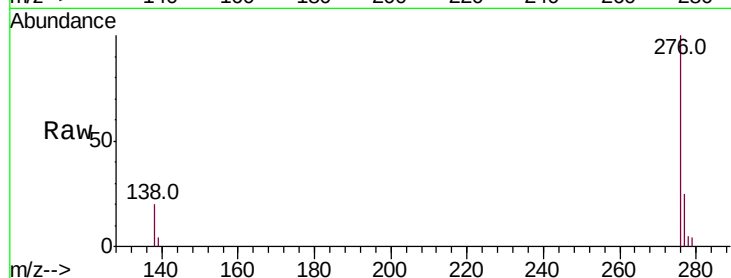
Lab File: BE097514.D

Acq: 18 Sep 2018 2:29

Instrument :

BNA_E

ClientSampleId :



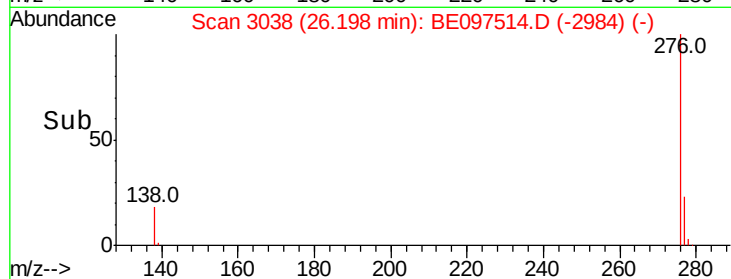
Tot Ion:276 Resp: 9133

Ion Ratio Lower Upper

276 100

277 25.3 16.0 24.0#

138 19.8 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

