

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
 Data File : BE097517.D
 Acq On : 18 Sep 2018 4:58
 Operator : SJ/JU
 Sample : J4741-37
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 18 05:54:17 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	924	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	4345	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	2576	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	7222	0.40	ng	-0.01
27) Chrysene-d12	20.97	240	8709	0.40	ng	0.00
34) Perylene-d12	23.20	264	8750	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	583	0.19	ng	0.00
5) Phenol-d6	6.62	99	381	0.10	ng	0.01
8) Nitrobenzene-d5	8.52	82	1531	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	11.71	152	2962	0.48	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	559	0.41	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	5136	0.57	ng	0.00
25) Fluoranthene-d10	18.80	212	43782	0.50	ng	0.00
29) Terphenyl-d14	19.41	244	8661	0.52	ng	0.00

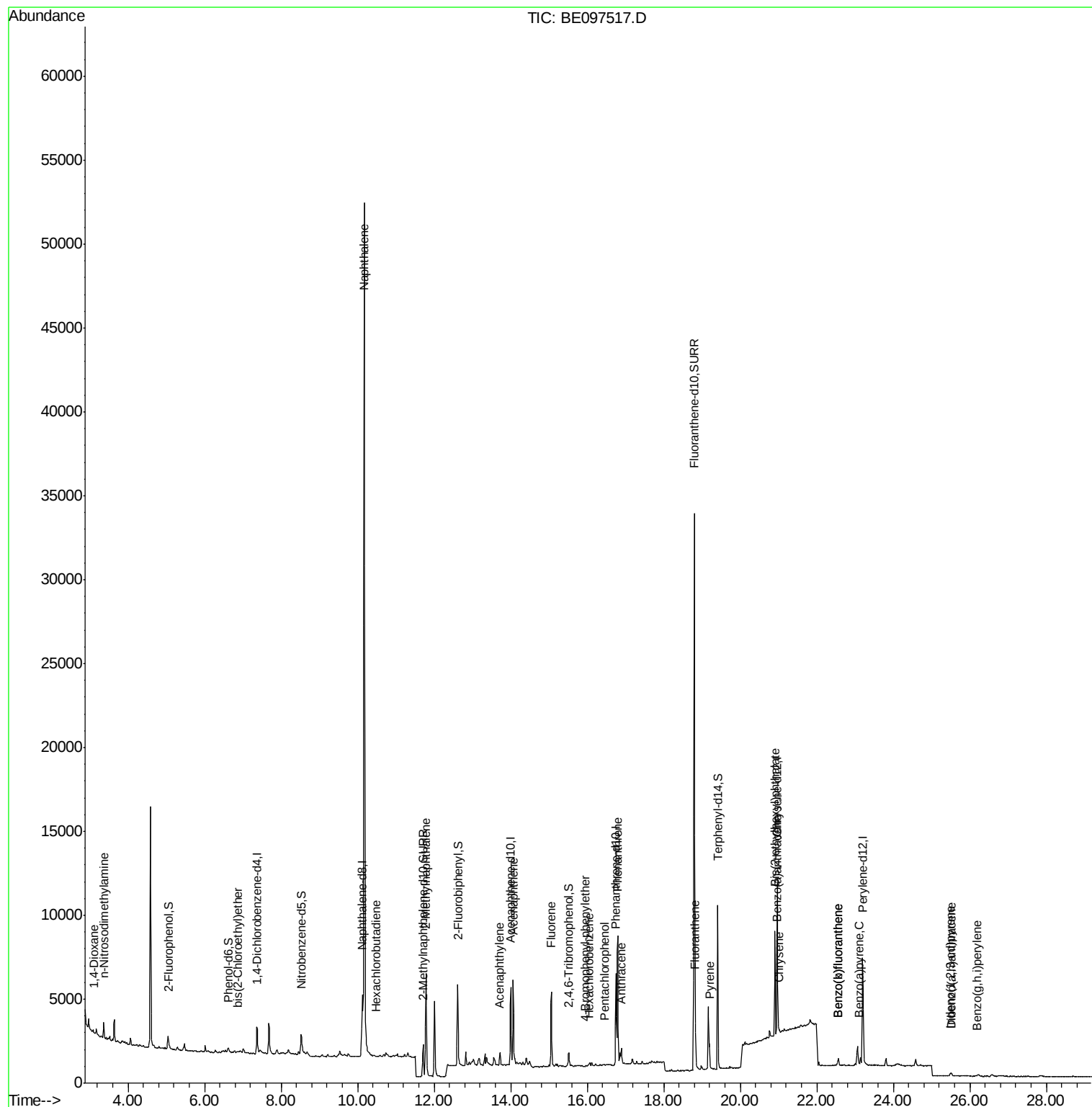
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	30	0.019	ng	# 1
3) n-Nitrosodimethylamine	3.36	42	68	0.051	ng	# 1
6) bis(2-Chloroethyl)ether	6.86	93	1	0.000	ng	# 1
9) Naphthalene	10.17	128	86805	2.201	ng	99
10) Hexachlorobutadiene	10.47	225	2	0.001	ng	# 1
12) 2-Methylnaphthalene	11.79	142	5000	0.792	ng	99
16) Acenaphthylene	13.72	152	745	0.066	ng	# 91
17) Acenaphthene	14.06	154	2546	0.368	ng	94
18) Fluorene	15.06	166	3754	0.426	ng	# 80
20) 4-Bromophenyl-phenylether	15.95	248	3	0.001	ng	# 44
21) Hexachlorobenzene	16.05	284	5	0.001	ng	# 38
22) Pentachlorophenol	16.45	266	36	0.120	ng	99
23) Phenanthrene	16.80	178	8968	0.528	ng	98
24) Anthracene	16.89	178	1114	0.071	ng	# 93
26) Fluoranthene	18.83	202	1781	0.080	ng	97
28) Pyrene	19.19	202	1379	0.062	ng	# 96
30) Benzo(a)anthracene	20.96	228	262	0.011	ng	# 41
31) Chrysene	21.00	228	179	0.008	ng	# 30
32) Bis(2-ethylhexyl)phthalate	20.91	149	7000	0.144	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	167	0.006	ng	# 49
35) Benzo(b)fluoranthene	22.53	252	249	0.011	ng	# 1
36) Benzo(k)fluoranthene	22.53	252	249	0.010	ng	# 1
37) Benzo(a)pyrene	23.10	252	168	0.008	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	83	0.004	ng	# 1
39) Benzo(g,h,i)perylene	26.20	276	210	0.009	ng	# 5

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

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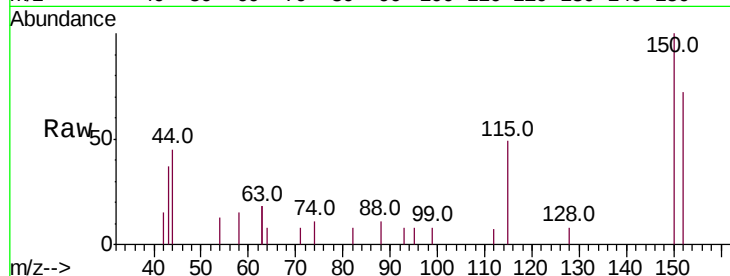


#1

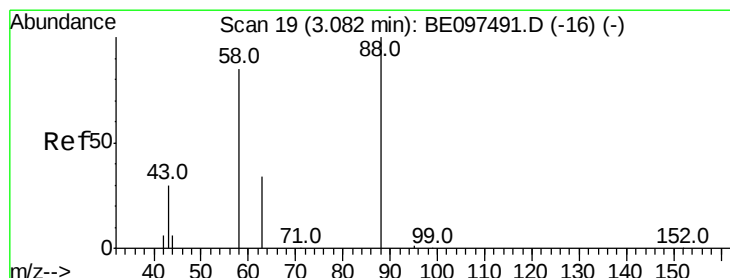
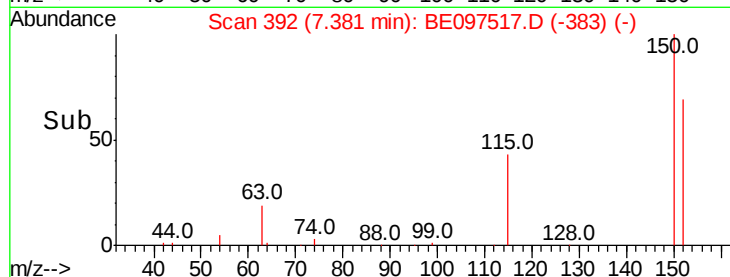
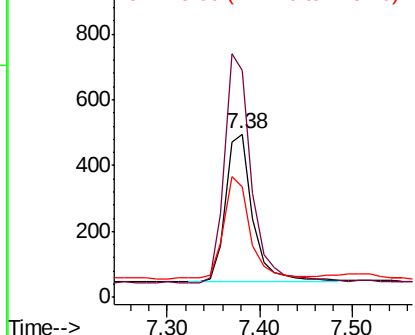
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097517.D
Acq: 18 Sep 2018 4:58

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 924
Ion Ratio Lower Upper
152 100
150 138.9 117.2 175.8
115 67.9 57.0 85.6



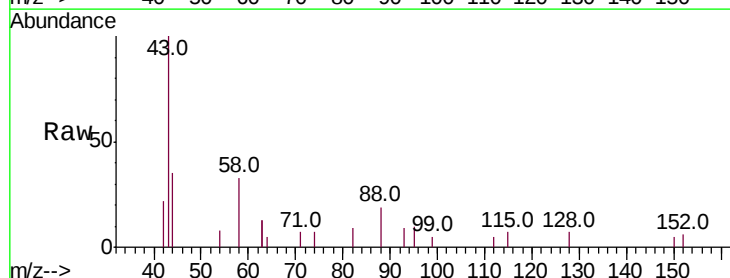
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



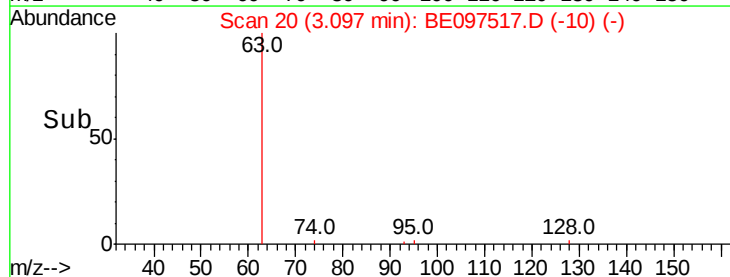
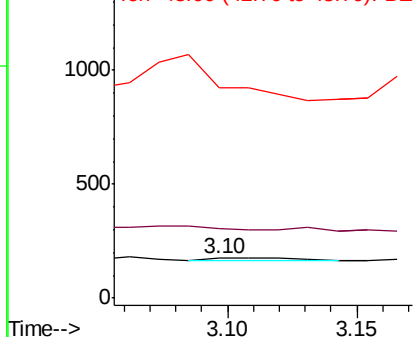
#2

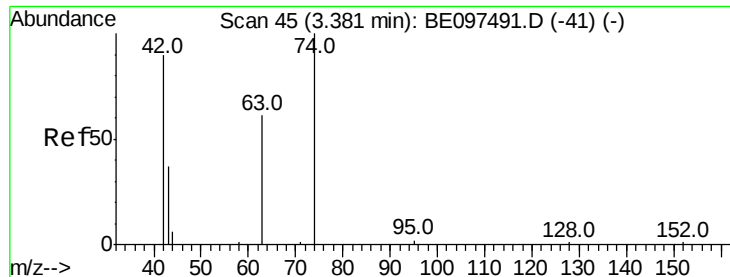
1,4-Dioxane
Concen: 0.019 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.01 min
Lab File: BE097517.D
Acq: 18 Sep 2018 4:58

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
58 0.0 63.2 94.8#
43 1336.7 41.2 61.8#



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





#3

n-Nitrosodimethylamine

Concen: 0.051 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.02 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

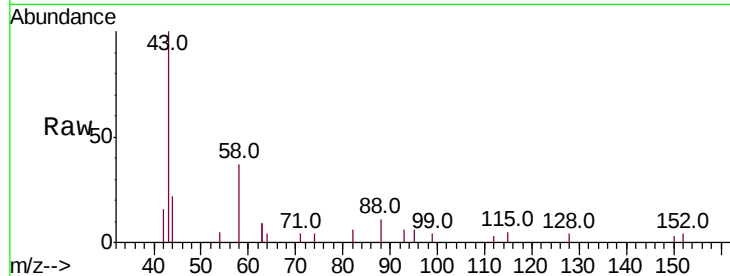
Tot Ion: 42 Resp: 68

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

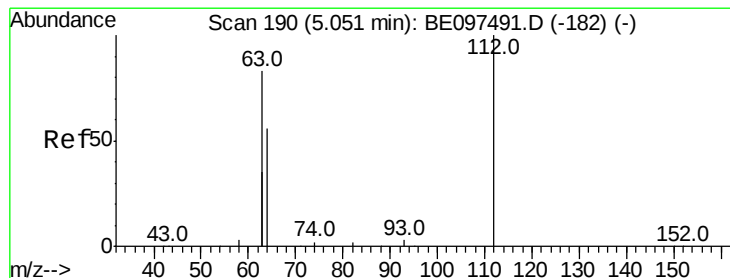
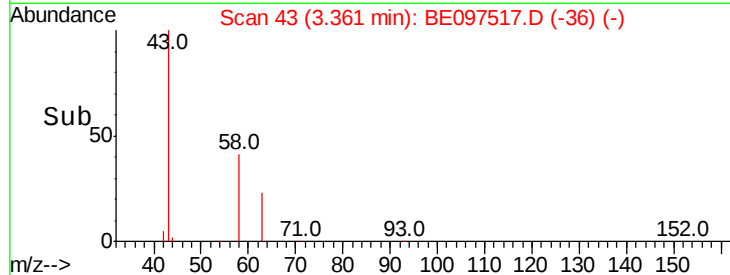
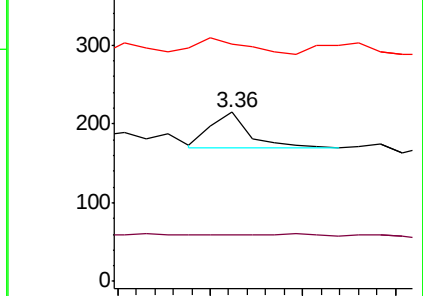
44 57.4 12.0 18.0#



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: 0.186 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

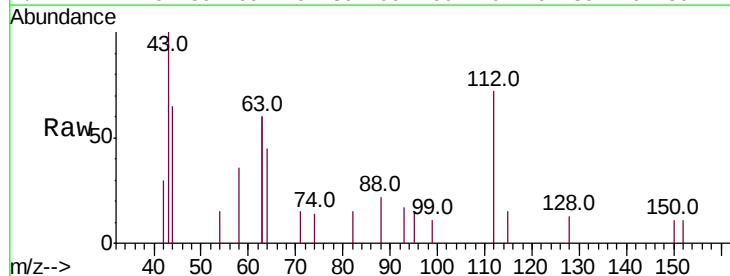
Tgt Ion:112 Resp: 583

Ion Ratio Lower Upper

112 100

64 65.9 60.1 90.1

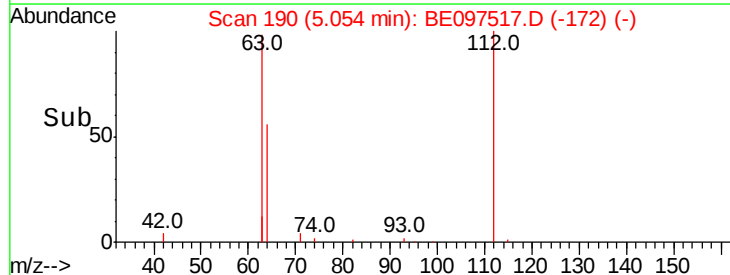
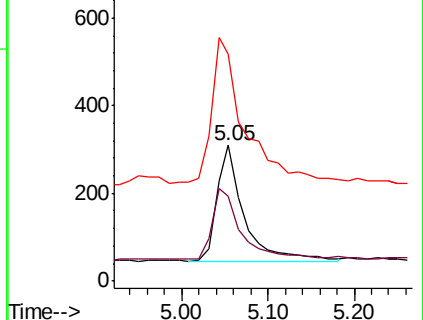
63 150.6 116.8 175.2

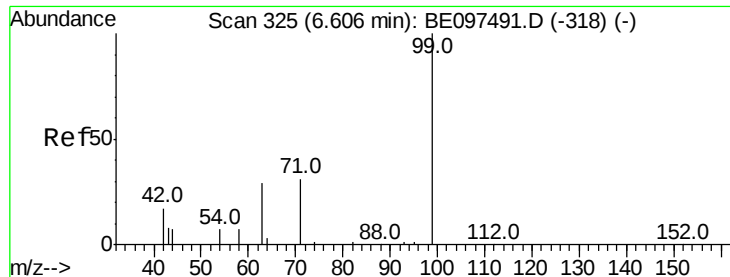


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.096 ng

RT: 6.62 min Scan# 326

Delta R.T. 0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampled :

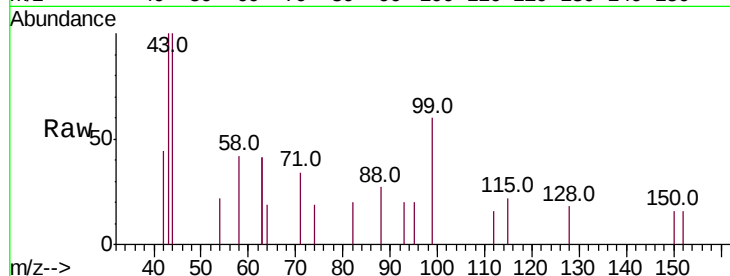
Tot Ion: 99 Resp: 381

Ion Ratio Lower Upper

99 100

42 14.7 20.2 30.2#

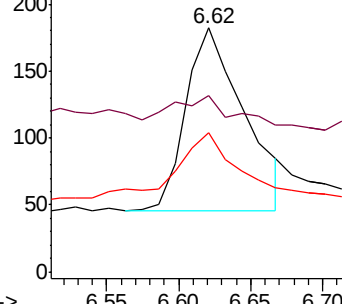
71 36.7 28.4 42.6



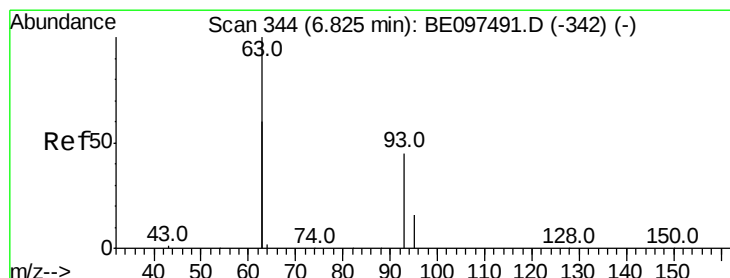
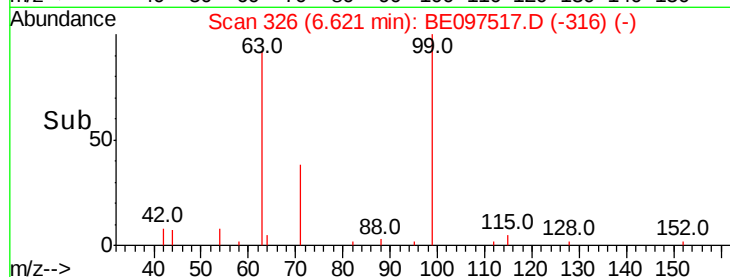
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.000 ng

RT: 6.86 min Scan# 347

Delta R.T. 0.04 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

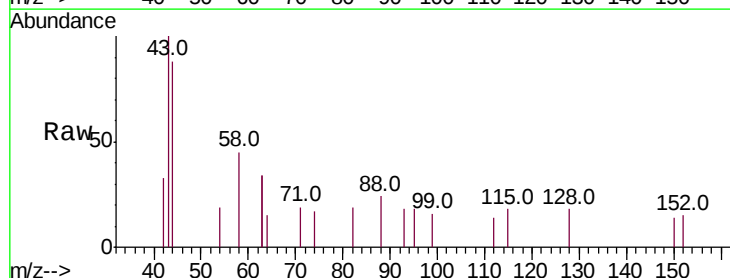
Tgt Ion: 93 Resp: 1

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

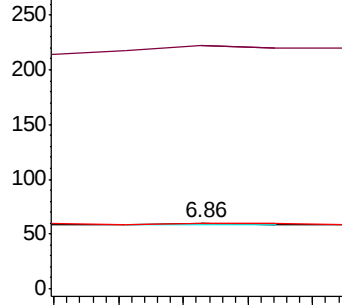
95 0.0 25.2 37.8#



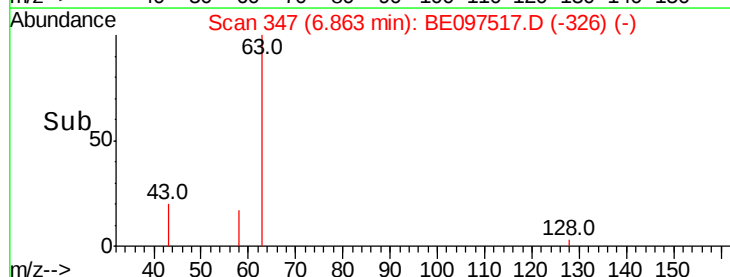
Abundance Ion 93.00 (92.70 to 93.70): BE0

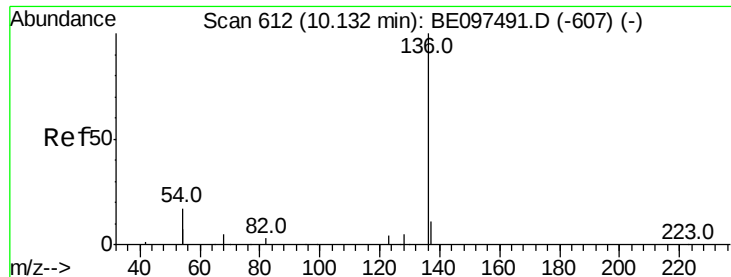
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097517.D

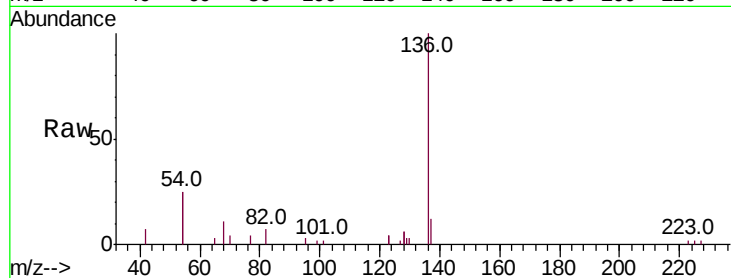
Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	4345
Ion Ratio	Lower	Upper
136 100		
137 12.4	9.5	14.3
54 50.3	29.1	43.7#
68 10.6	6.2	9.2#

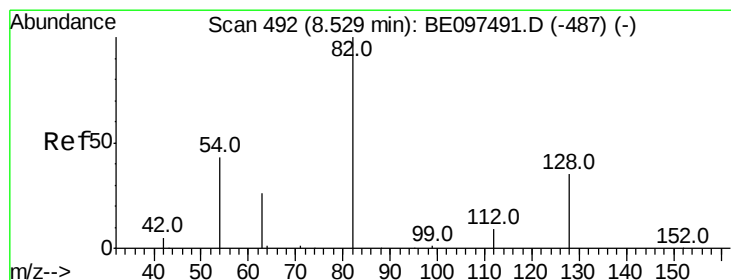
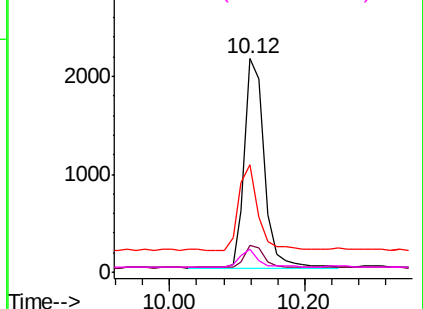
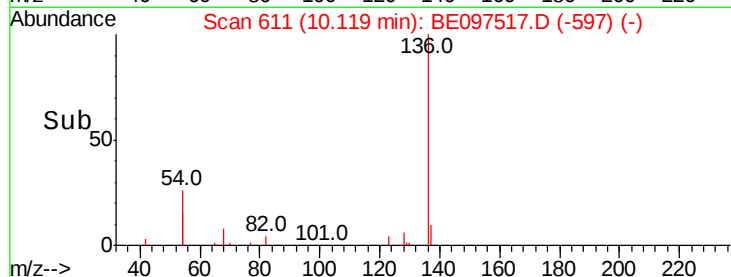


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.438 ng

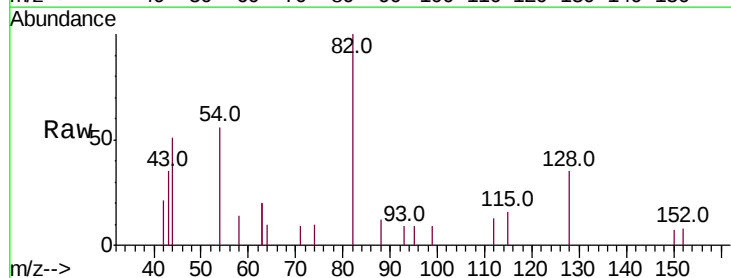
RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

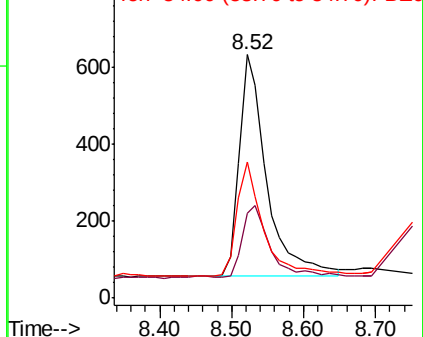
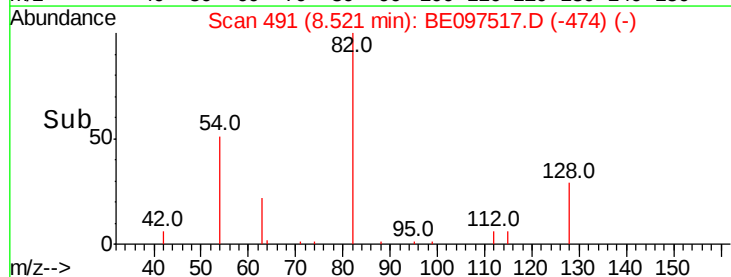
Tgt Ion: 82	Resp:	1531
Ion Ratio	Lower	Upper
82 100		
128 34.8	24.0	36.0
54 55.9	40.0	60.0

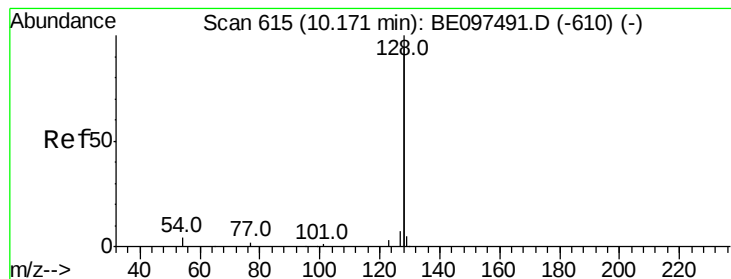


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 2.201 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

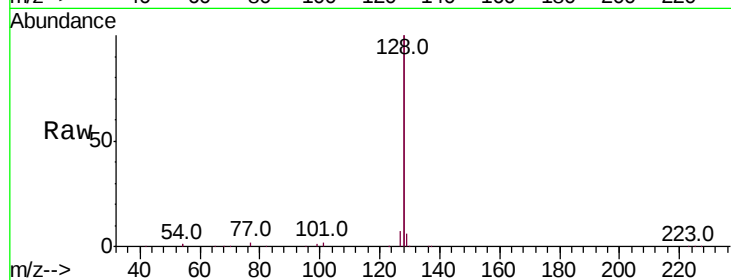
Tot Ion:128 Resp: 86805

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

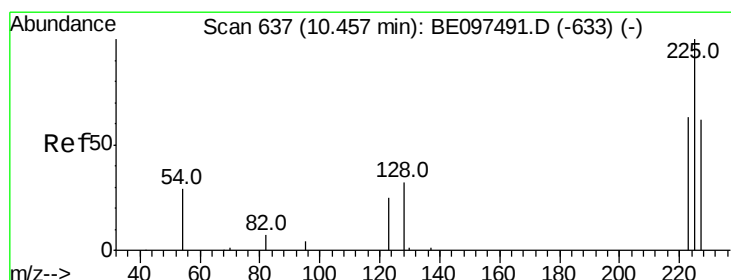
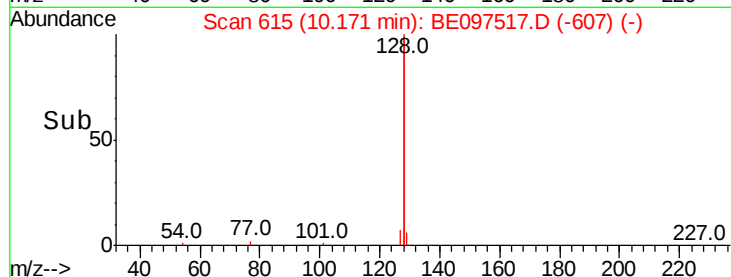
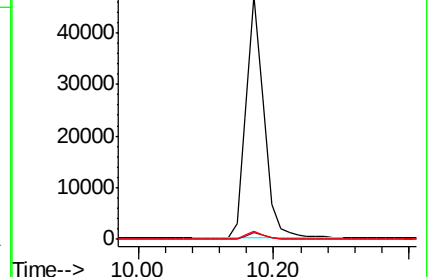
127 3.4 2.8 4.2



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: 0.001 ng

RT: 10.47 min Scan# 638

Delta R.T. 0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

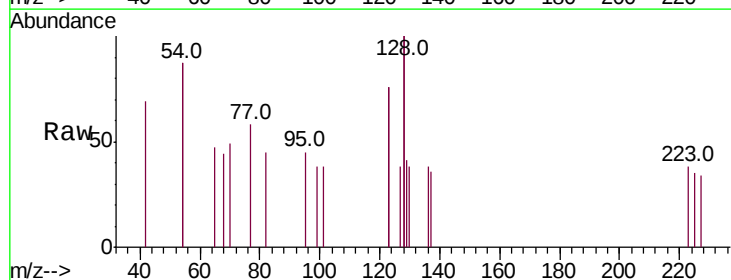
Tgt Ion:225 Resp: 2

Ion Ratio Lower Upper

225 100

223 200.0 53.0 79.6#

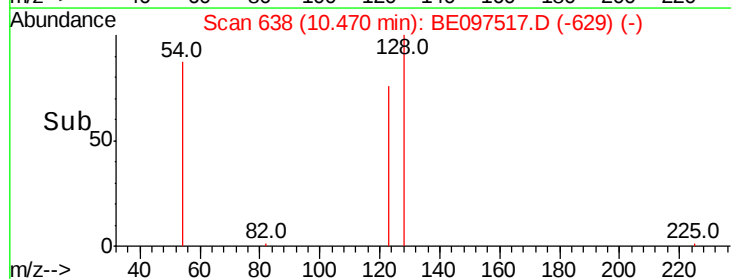
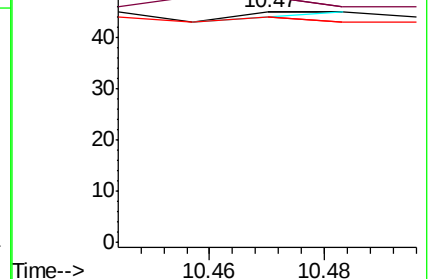
227 0.0 51.4 77.2#

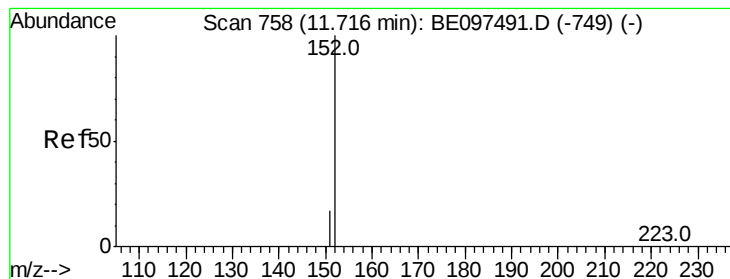


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.477 ng

RT: 11.71 min Scan# 757

Delta R.T. -0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

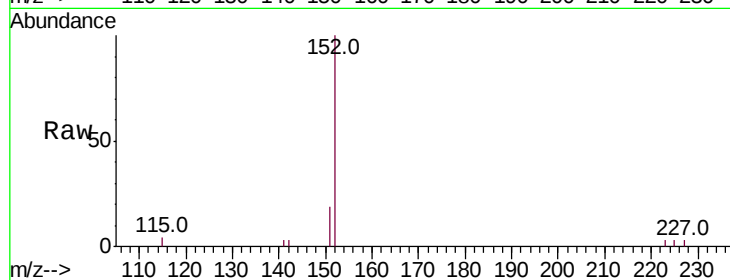
ClientSampleId :

Tot Ion:152 Resp: 2962

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.71

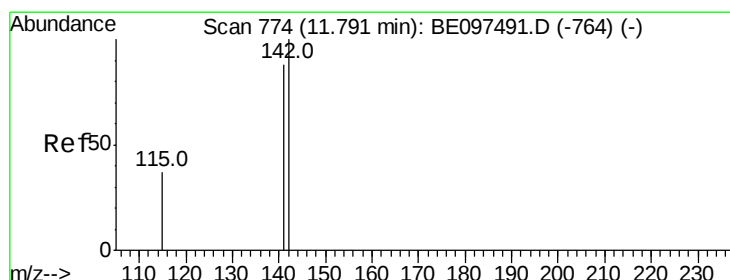
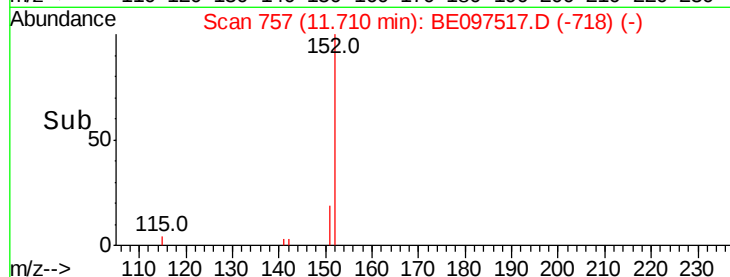
1500

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.792 ng

RT: 11.79 min Scan# 773

Delta R.T. -0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

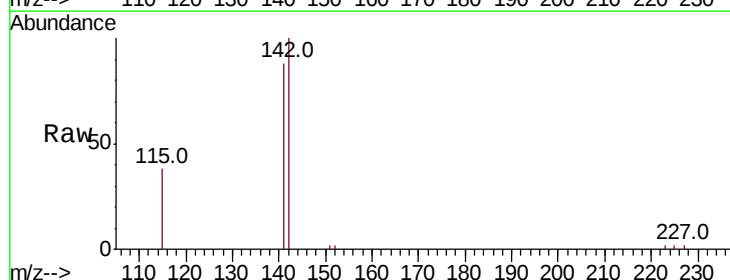
Tgt Ion:142 Resp: 5000

Ion Ratio Lower Upper

142 100

141 87.7 70.4 105.6

115 37.9 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

11.79

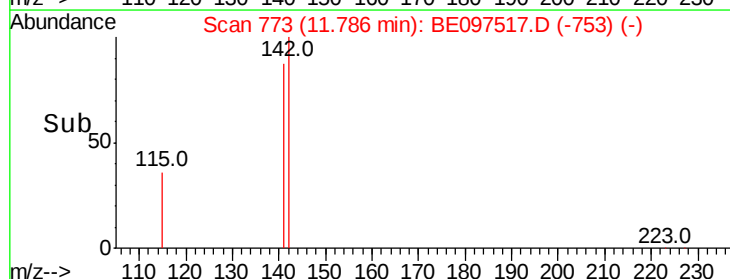
3000

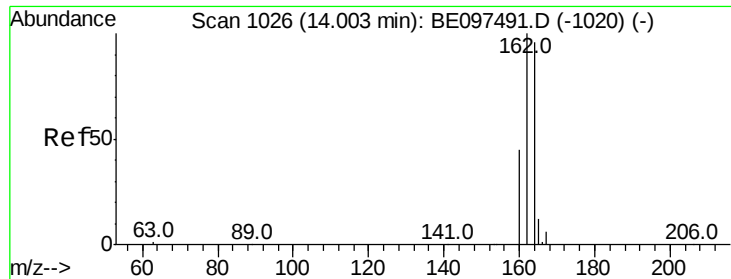
2000

1000

0

Time--> 11.70 11.80





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

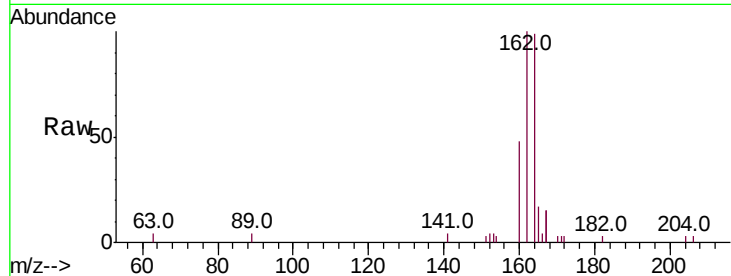
Tot Ion:164 Resp: 2576

Ion Ratio Lower Upper

164 100

162 101.3 83.1 124.7

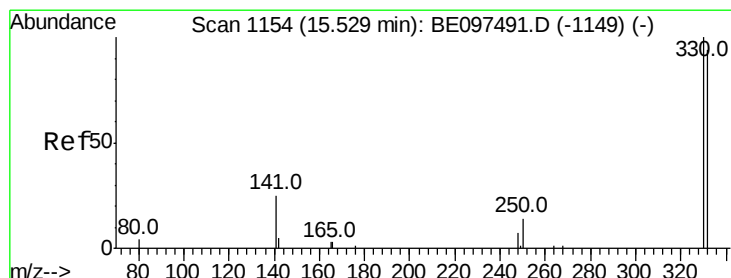
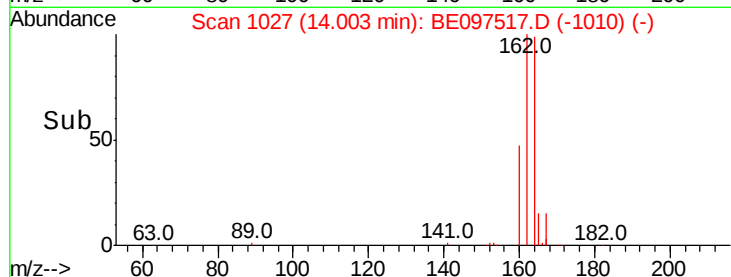
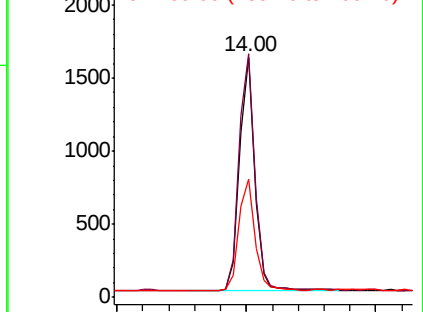
160 49.0 37.1 55.7



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: 0.411 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

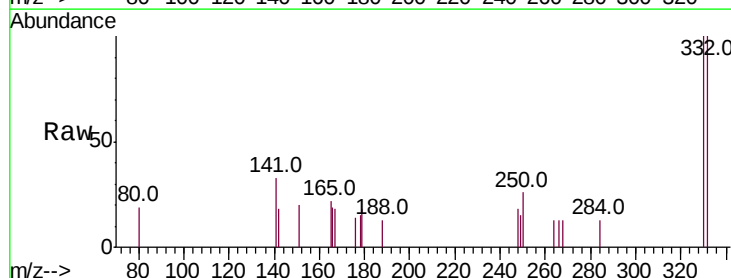
Tgt Ion:330 Resp: 559

Ion Ratio Lower Upper

330 100

332 97.5 152.7 229.1#

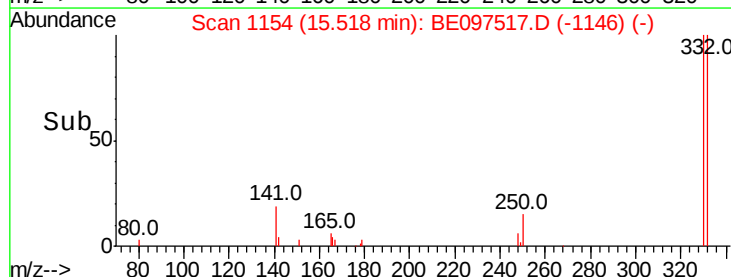
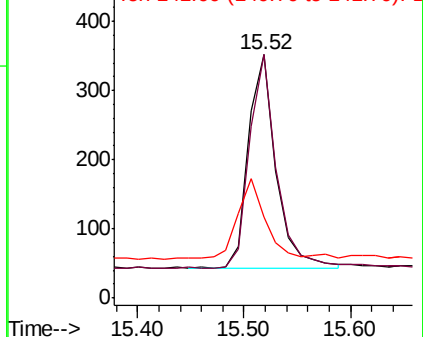
141 36.1 33.7 50.5

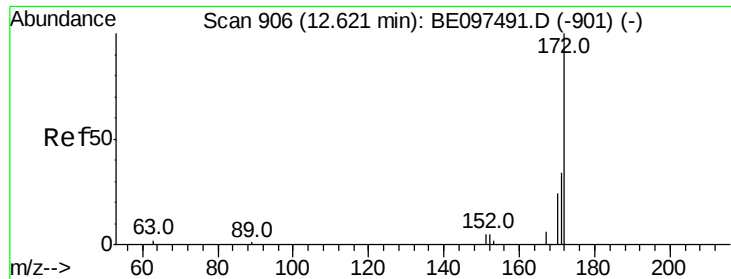


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

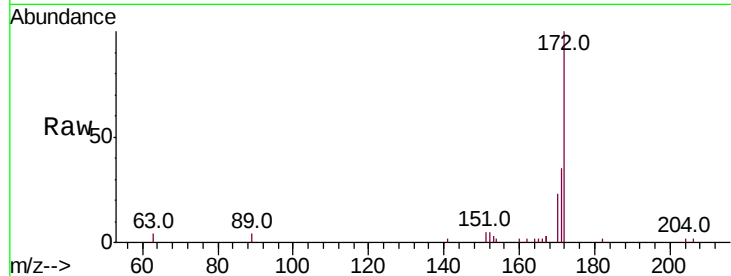




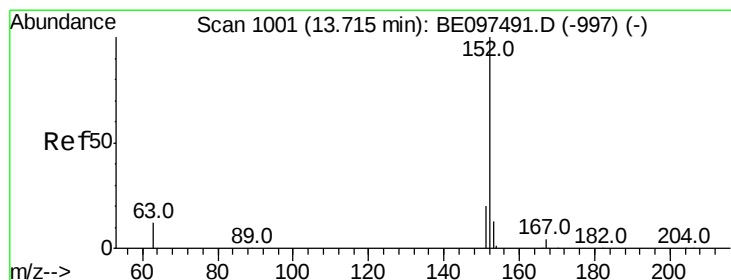
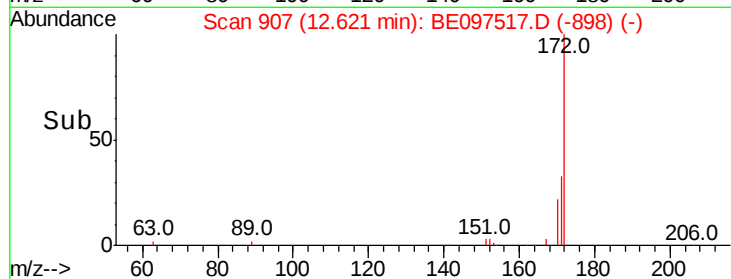
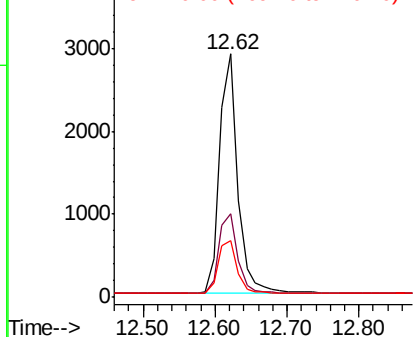
#15
2-Fluorobiphenyl
Concen: 0.571 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097517.D
Acq: 18 Sep 2018 4:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 5136
Ion Ratio Lower Upper
172 100
171 34.5 29.9 44.9
170 23.4 21.8 32.8

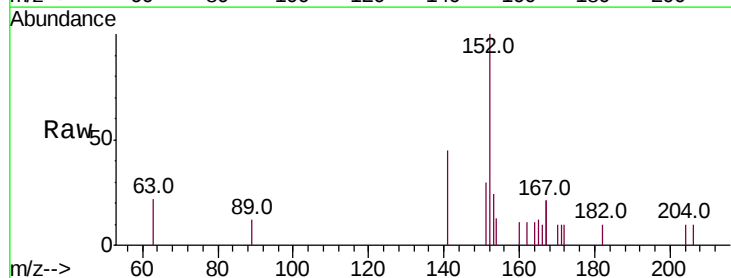


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

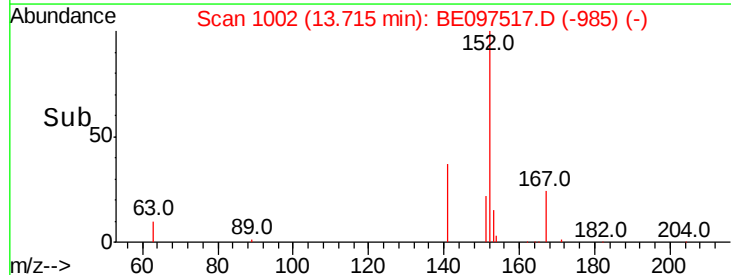
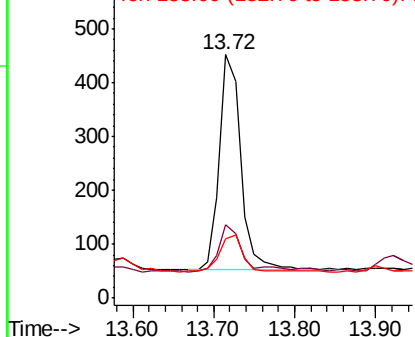


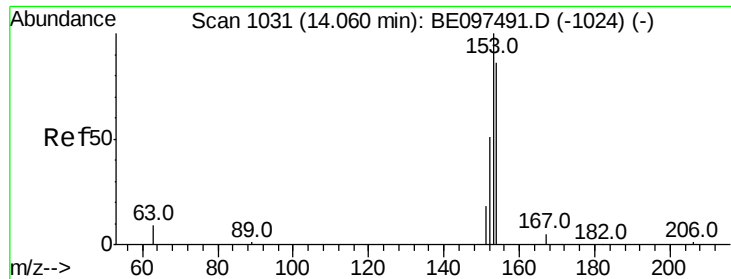
#16
Acenaphthylene
Concen: 0.066 ng
RT: 13.72 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE097517.D
Acq: 18 Sep 2018 4:58

Tgt Ion:152 Resp: 745
Ion Ratio Lower Upper
152 100
151 23.1 15.7 23.5
153 17.7 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: 0.368 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

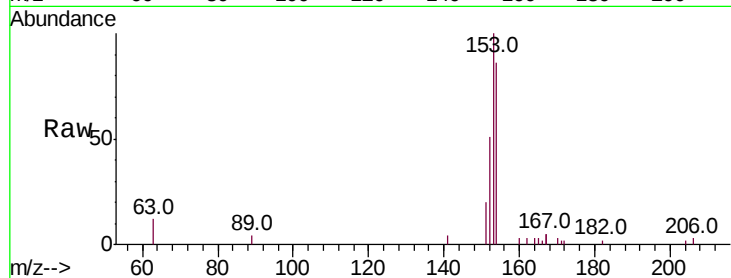
Tot Ion:154 Resp: 2546

Ion Ratio Lower Upper

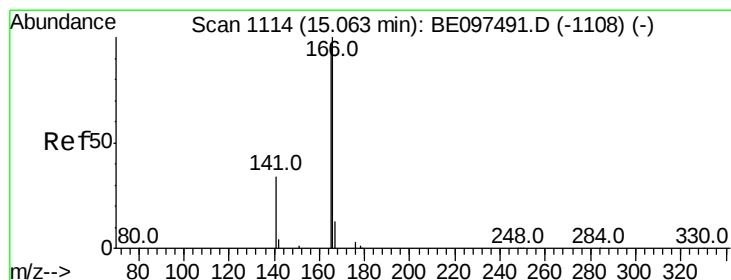
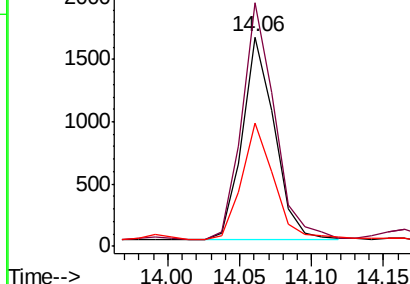
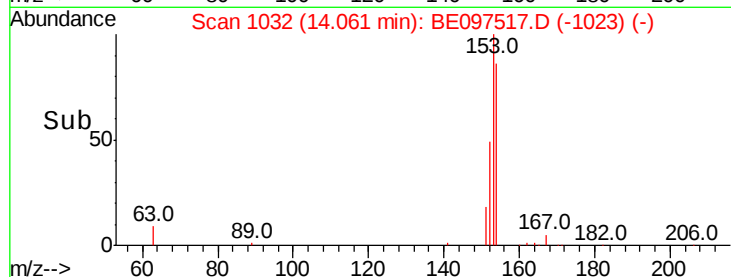
154 100

153 118.3 89.2 133.8

152 57.1 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: 0.426 ng

RT: 15.06 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

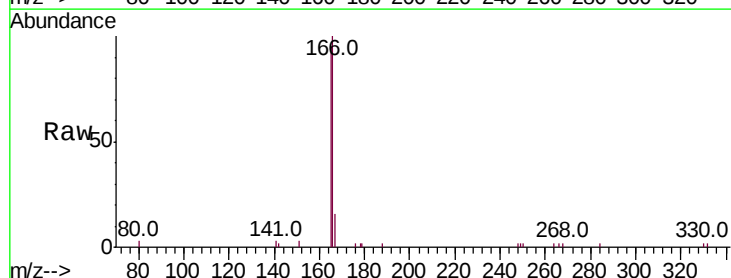
Tgt Ion:166 Resp: 3754

Ion Ratio Lower Upper

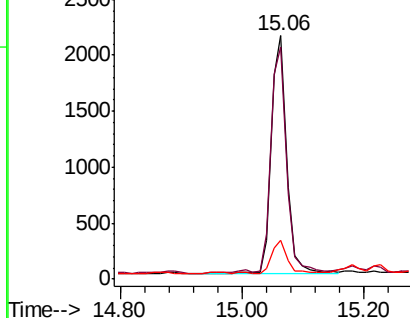
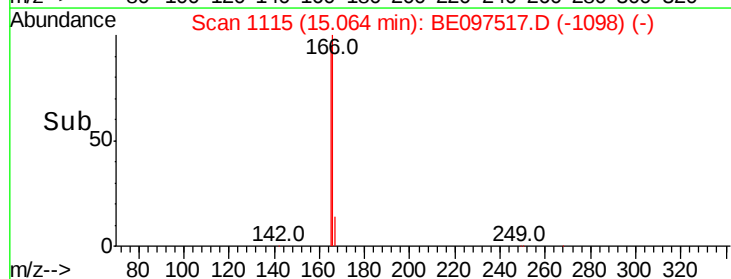
166 100

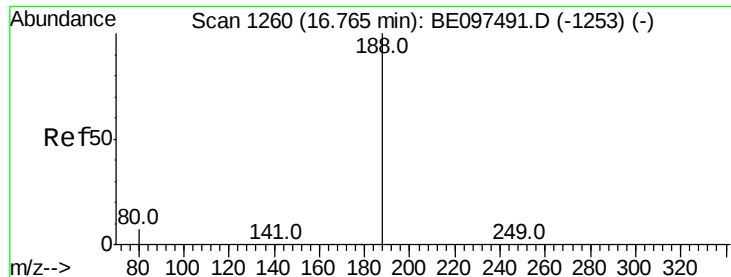
165 97.8 77.8 116.6

167 13.6 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

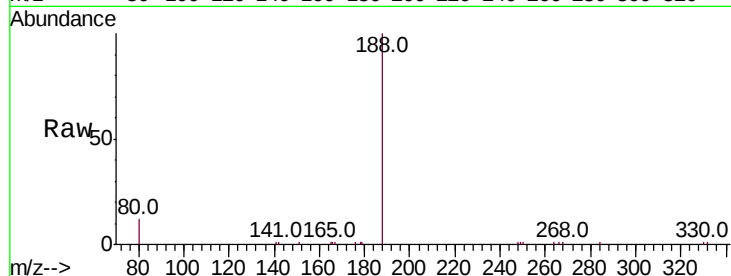
Tot Ion:188 Resp: 7222

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

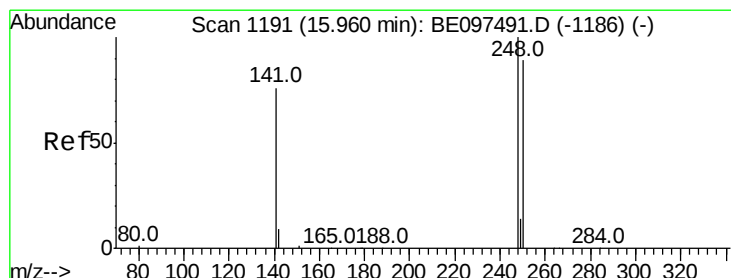
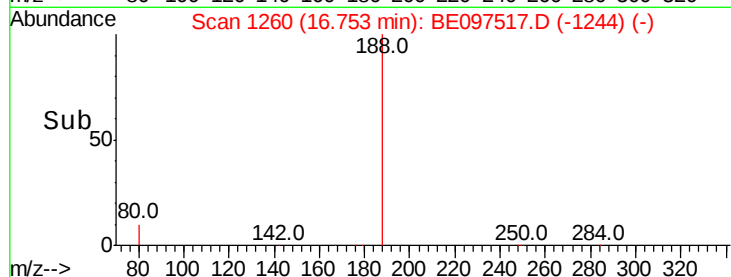
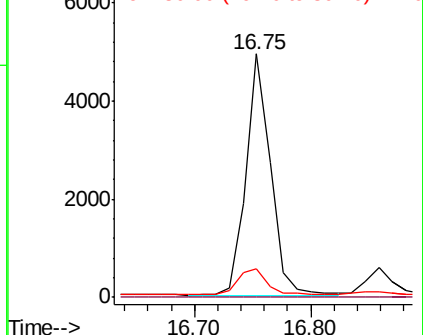
80 11.6 3.6 5.4#



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: 0.001 ng

RT: 15.95 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

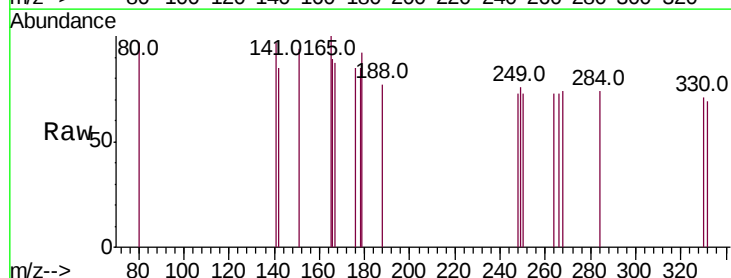
Tgt Ion:248 Resp: 3

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

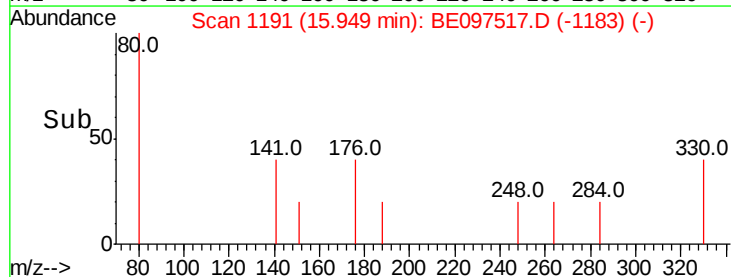
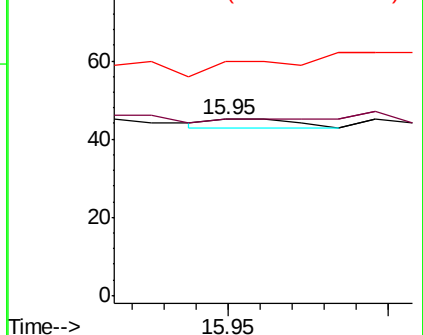
141 133.3 48.2 72.2#

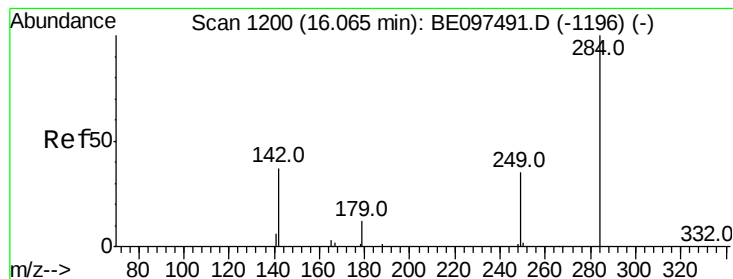


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.05 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BE097517.D

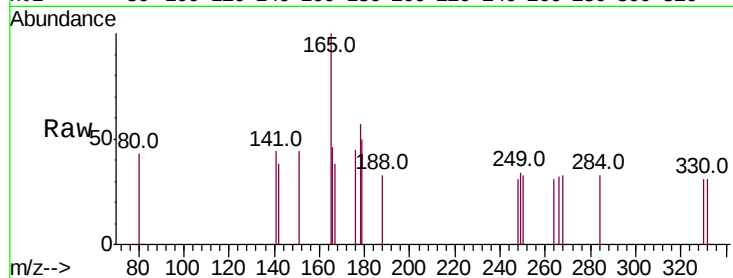
Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

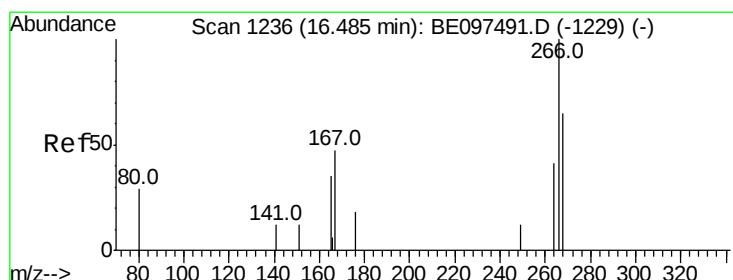
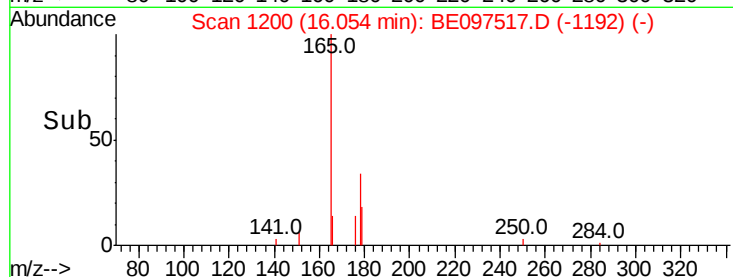
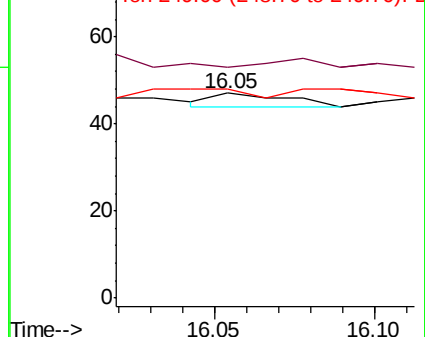
Tot Ion:	284	Resp:	5
Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.1	33.1#
249	0.0	34.8	52.2#



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: 0.120 ng

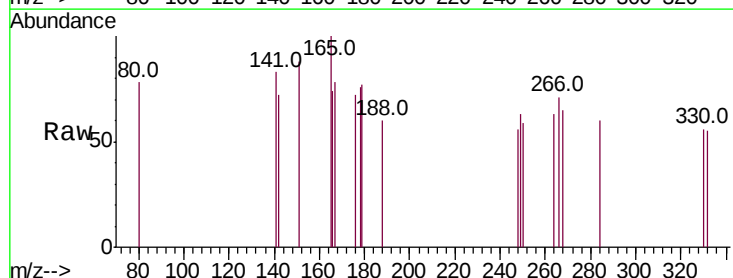
RT: 16.45 min Scan# 1234

Delta R.T. -0.03 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

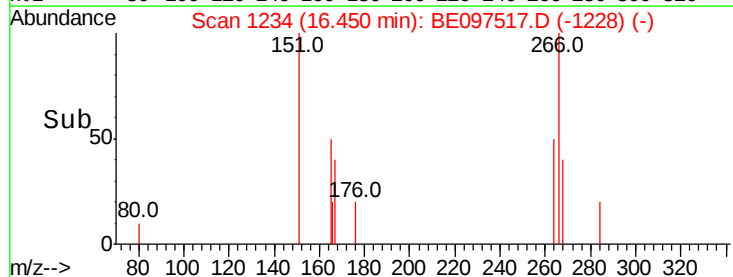
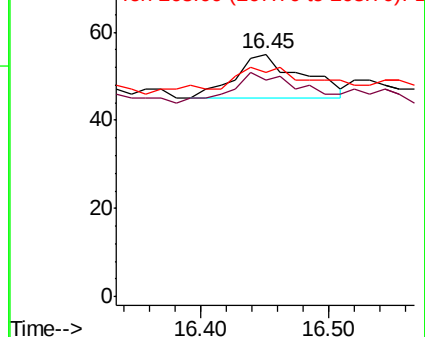
Tgt Ion:	266	Resp:	36
Ion	Ratio	Lower	Upper
266	100		
264	89.1	72.5	108.7
268	92.7	73.8	110.6

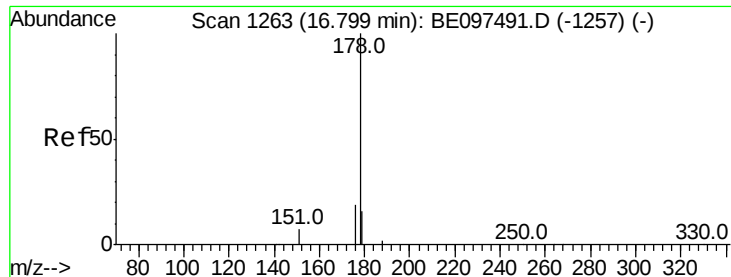


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.528 ng

RT: 16.80 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

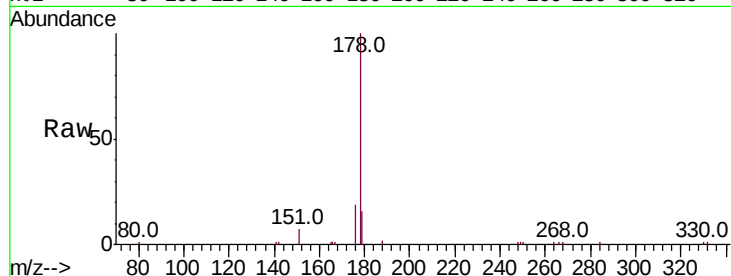
Tot Ion:178 Resp: 8968

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

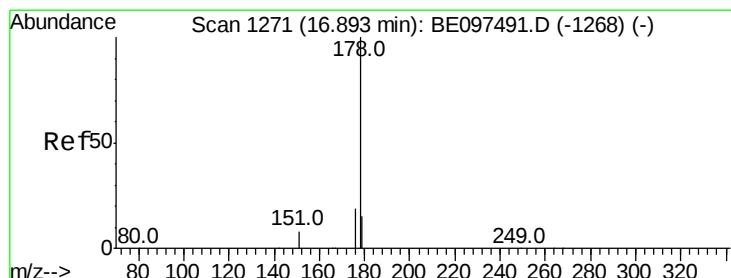
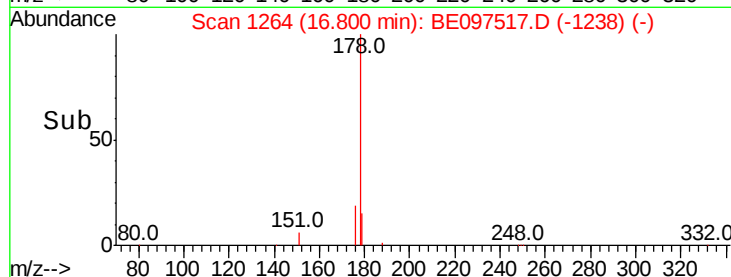
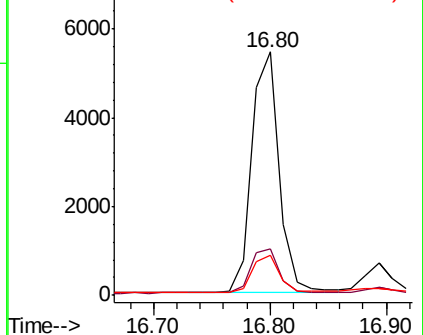
179 15.5 11.8 17.6



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: 0.071 ng

RT: 16.89 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

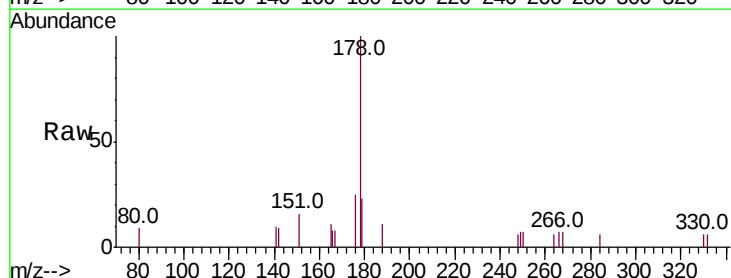
Tgt Ion:178 Resp: 1114

Ion Ratio Lower Upper

178 100

176 18.4 12.8 19.2

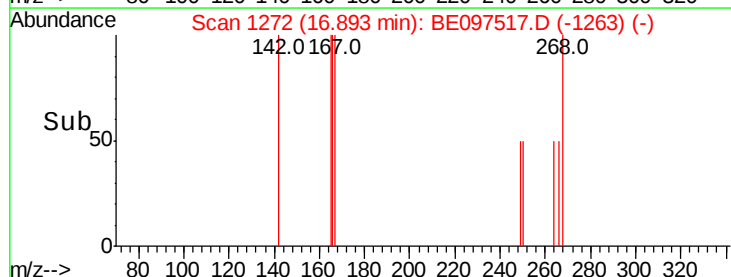
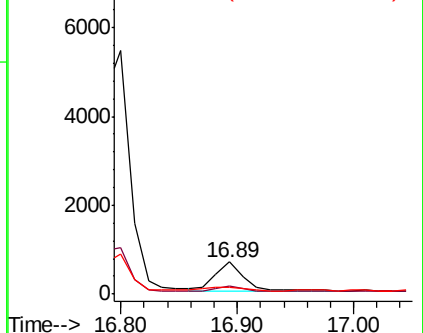
179 19.6 13.0 19.6#

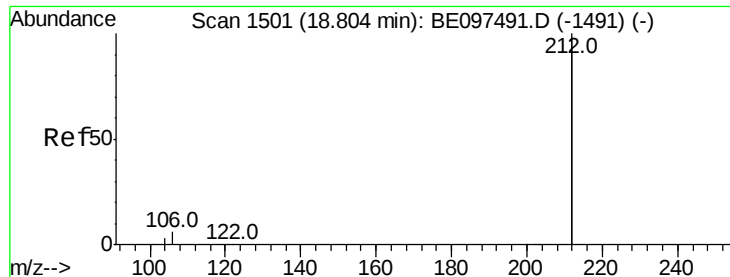


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.505 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

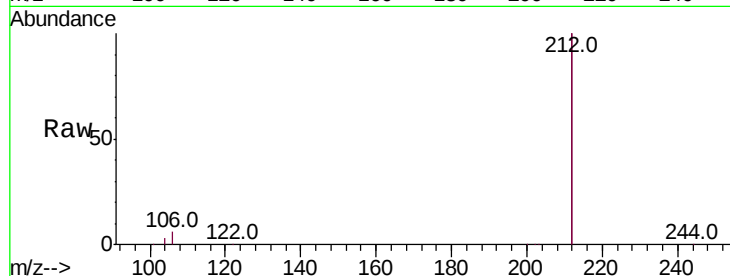
Tot Ion:212 Resp: 43782

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

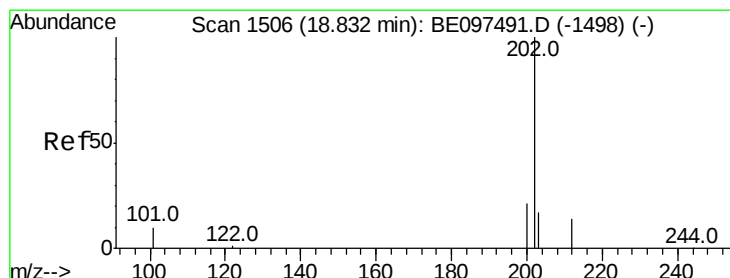
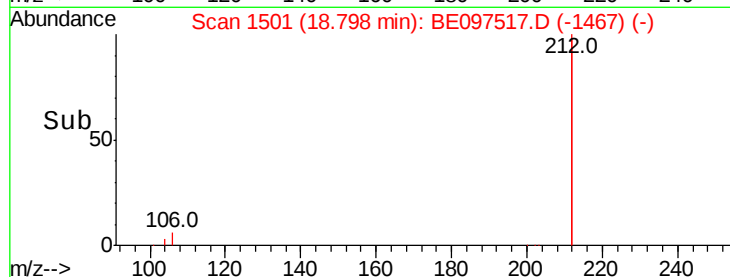
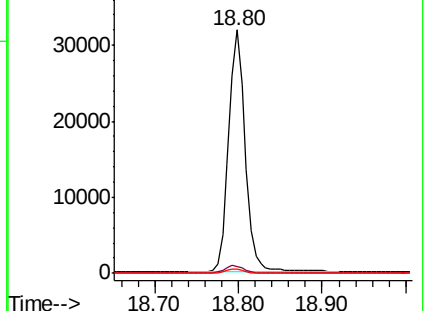
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.080 ng

RT: 18.83 min Scan# 1506

Delta R.T. -0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

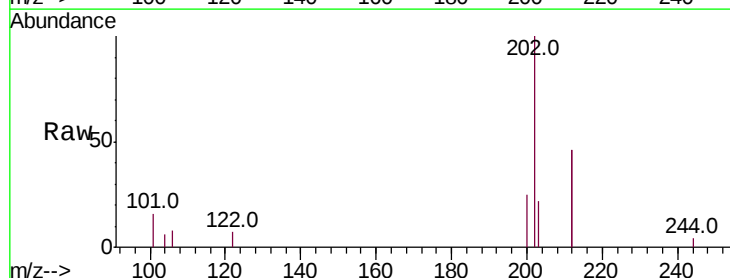
Tgt Ion:202 Resp: 1781

Ion Ratio Lower Upper

202 100

101 13.8 9.8 14.8

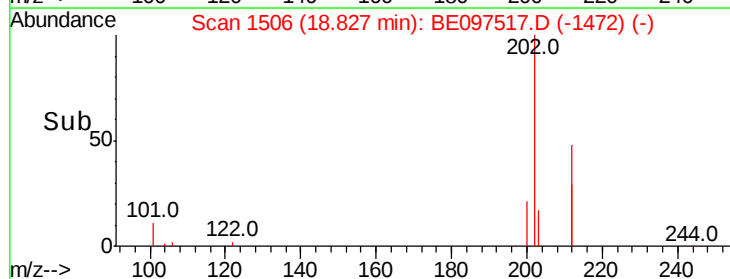
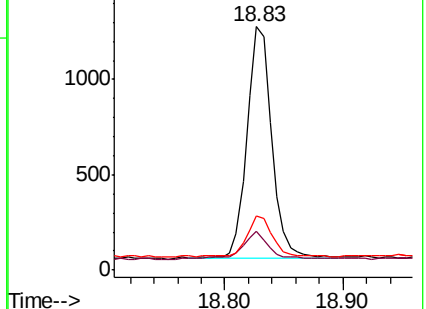
203 18.5 13.7 20.5

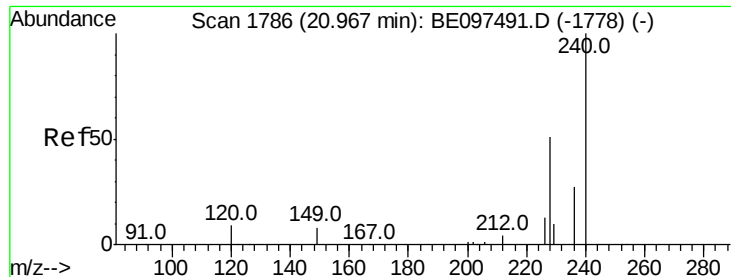


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

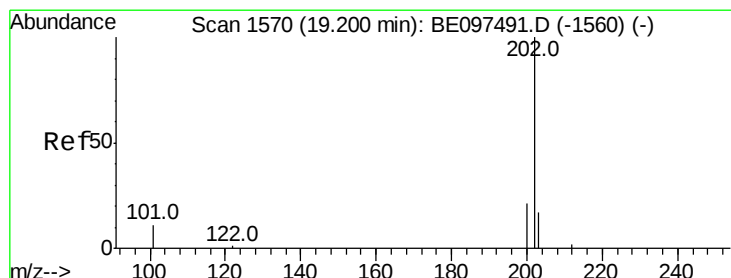
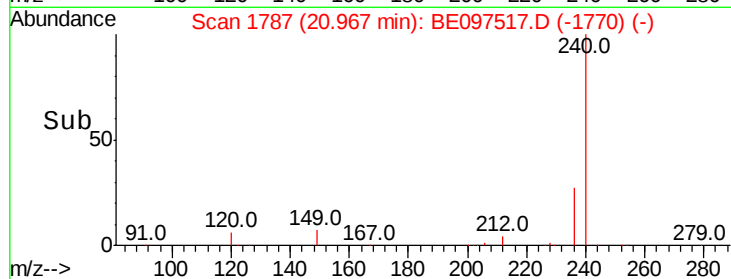
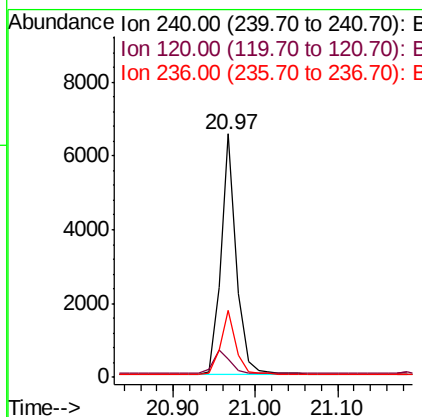
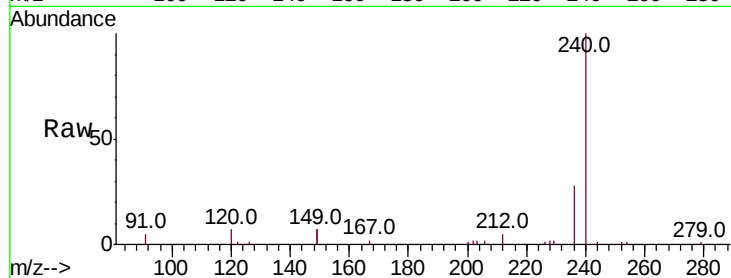




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097517.D
 Acq: 18 Sep 2018 4:58

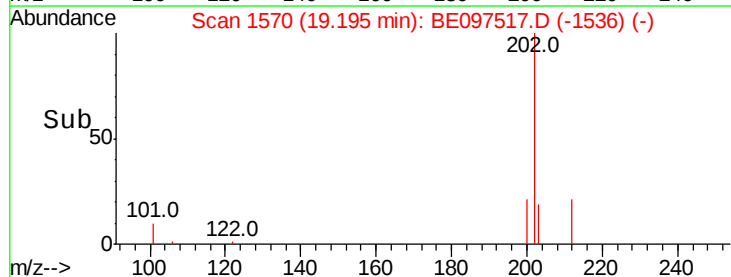
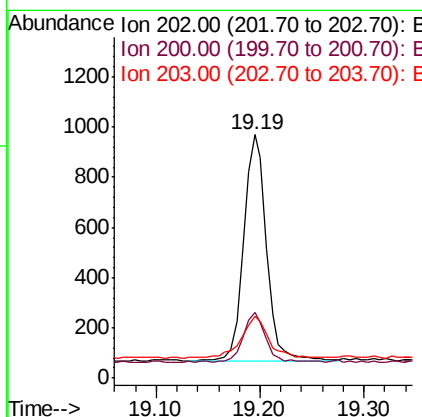
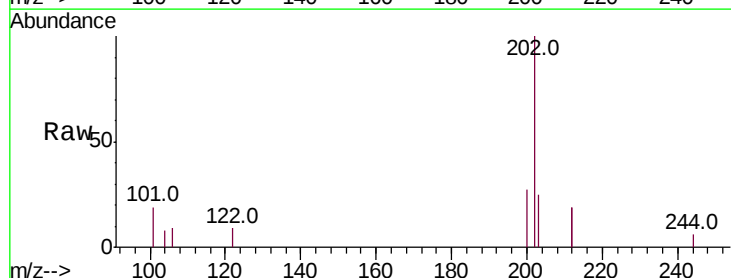
Instrument :
 BNA_E
 ClientSampleId :

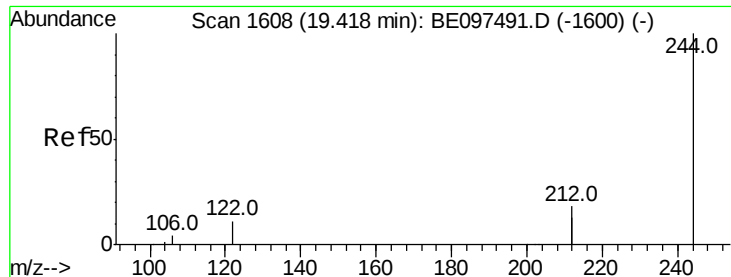
Tot Ion:240 Resp: 8709
 Ion Ratio Lower Upper
 240 100
 120 7.5 5.5 8.3
 236 27.6 20.7 31.1



#28
 Pyrene
 Concen: 0.062 ng
 RT: 19.19 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BE097517.D
 Acq: 18 Sep 2018 4:58

Tgt Ion:202 Resp: 1379
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.6 25.0
 203 21.2 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.520 ng

RT: 19.41 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampled :

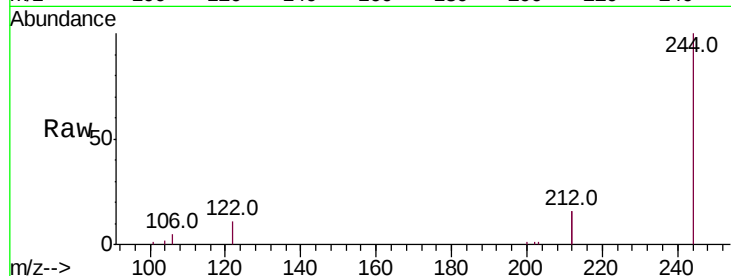
Tot Ion:244 Resp: 8661

Ion Ratio Lower Upper

244 100

212 32.4 25.4 38.0

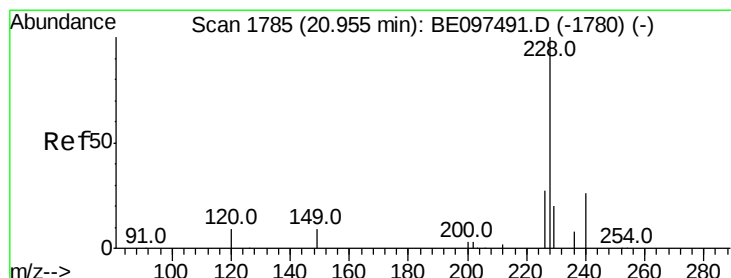
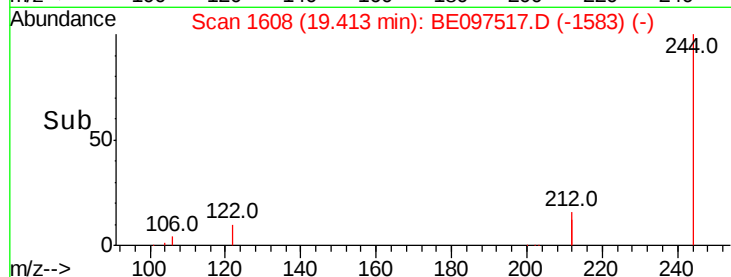
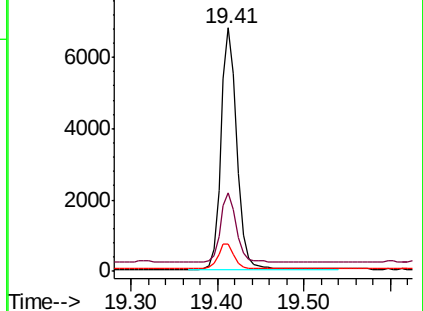
122 11.3 8.1 12.1



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: 0.011 ng

RT: 20.96 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

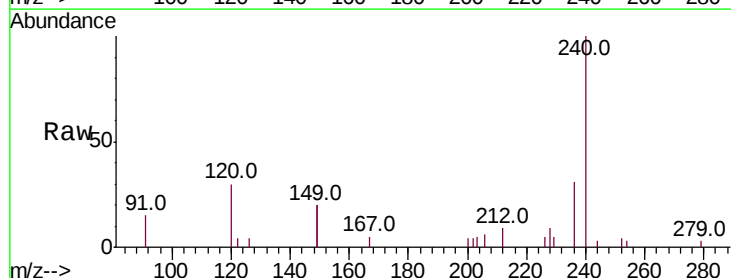
Tgt Ion:228 Resp: 262

Ion Ratio Lower Upper

228 100

226 54.0 24.0 36.0#

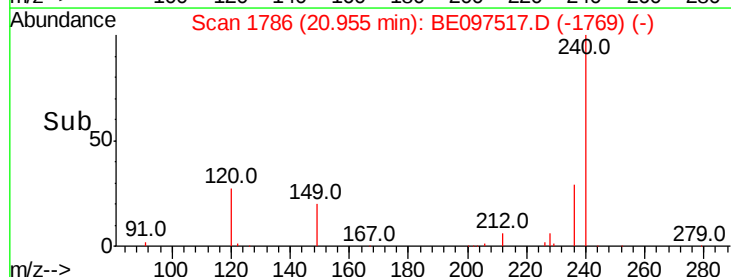
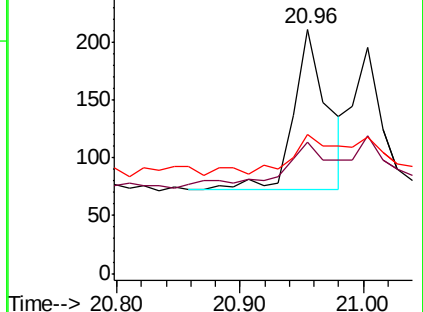
229 56.9 16.0 24.0#

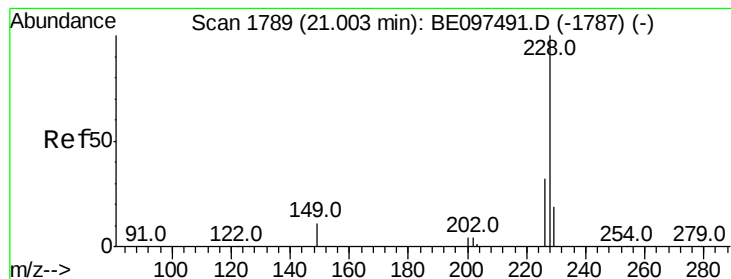


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.008 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampled :

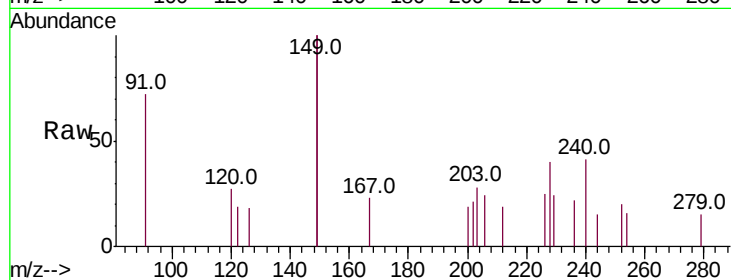
Tot Ion:228 Resp: 179

Ion Ratio Lower Upper

228 100

226 61.0 24.0 36.0#

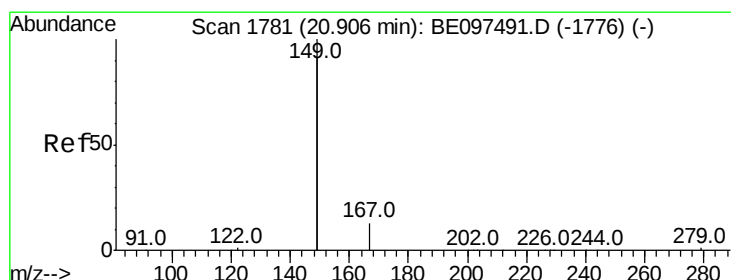
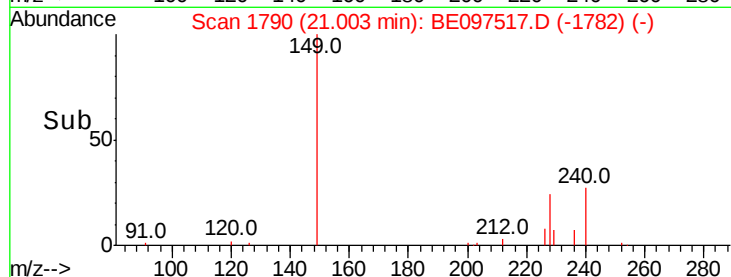
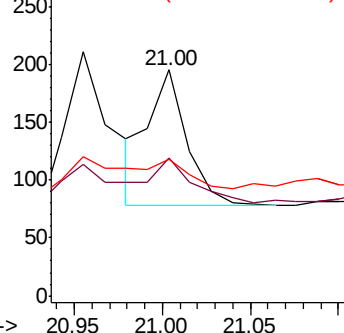
229 60.5 16.0 24.0#



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: 0.144 ng

RT: 20.91 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

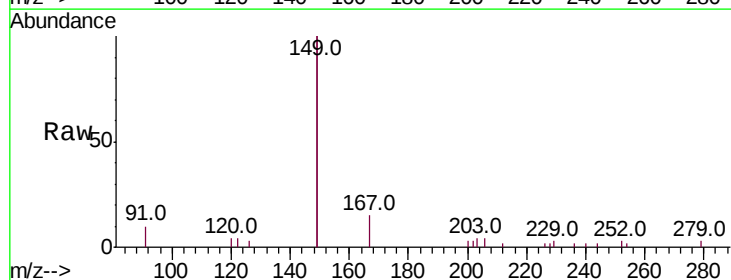
Tgt Ion:149 Resp: 7000

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

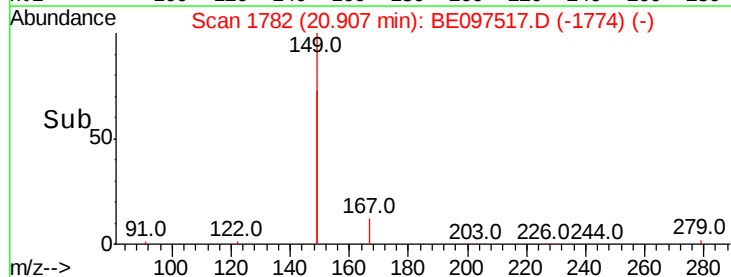
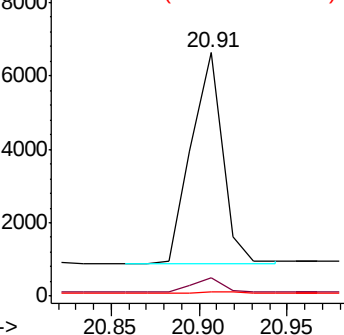
279 1.1 0.7 1.1

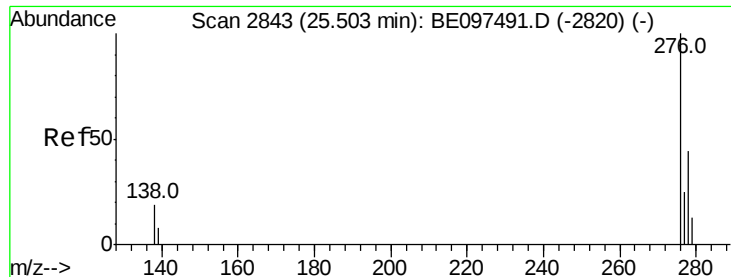


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.006 ng

RT: 25.51 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

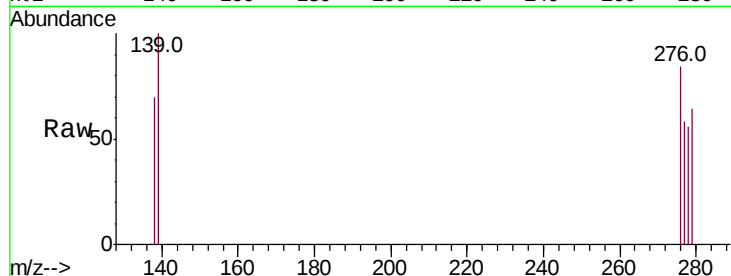
Tot Ion:276 Resp: 167

Ion Ratio Lower Upper

276 100

138 55.1 22.5 33.7#

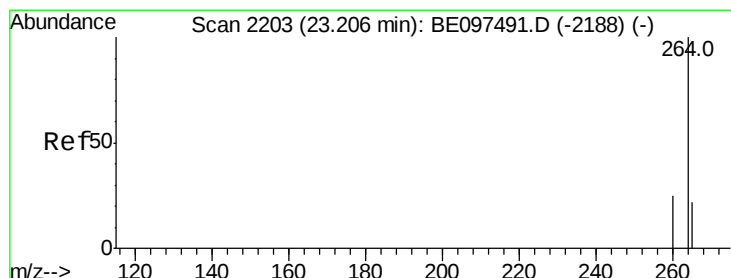
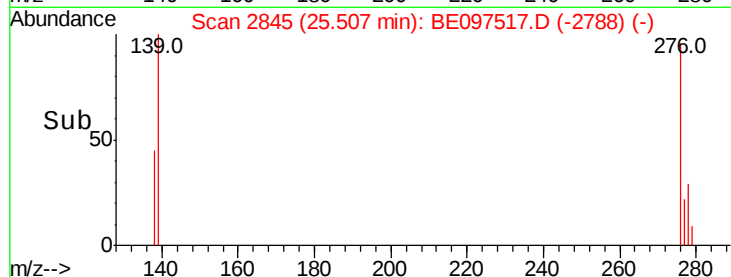
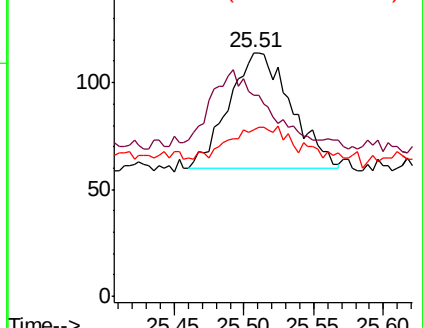
277 0.0 19.9 29.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.20 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

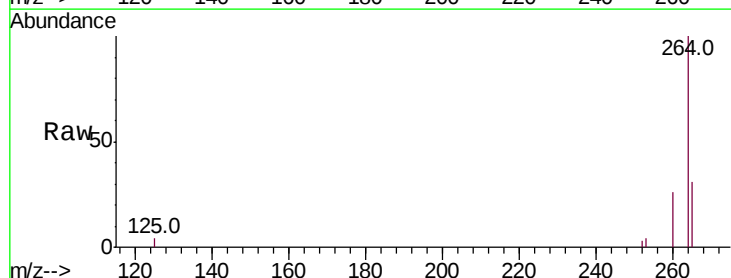
Tgt Ion:264 Resp: 8750

Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

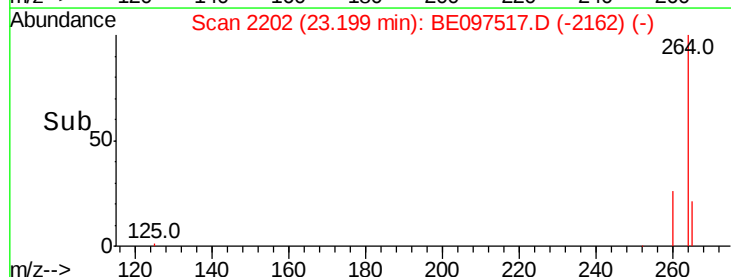
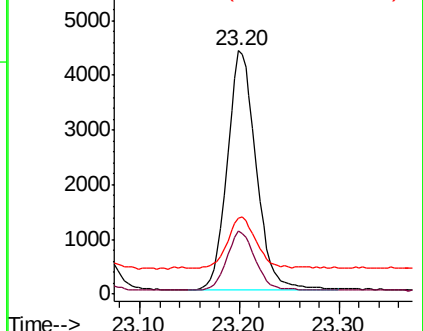
265 31.3 22.8 34.2

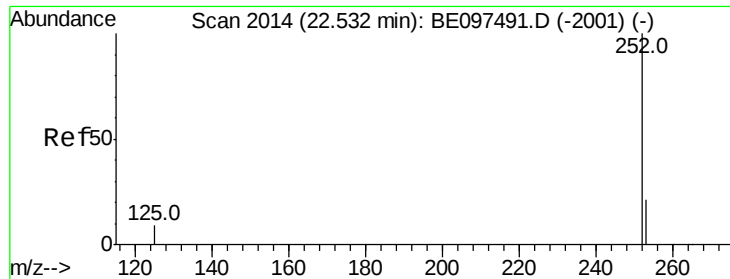


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.011 ng

RT: 22.53 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

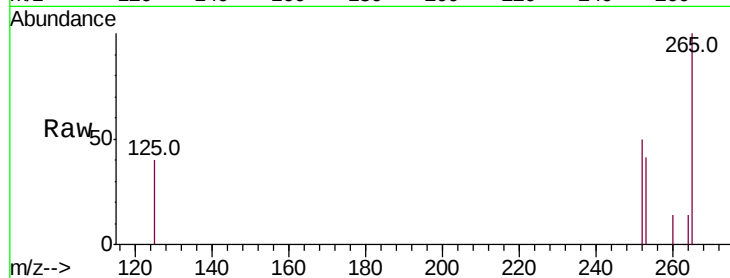
Tot Ion:252 Resp: 249

Ion Ratio Lower Upper

252 100

253 81.8 20.0 30.0#

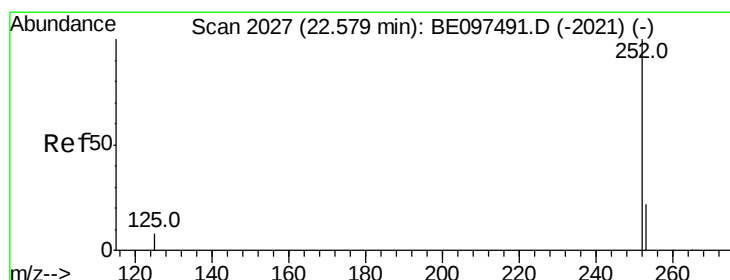
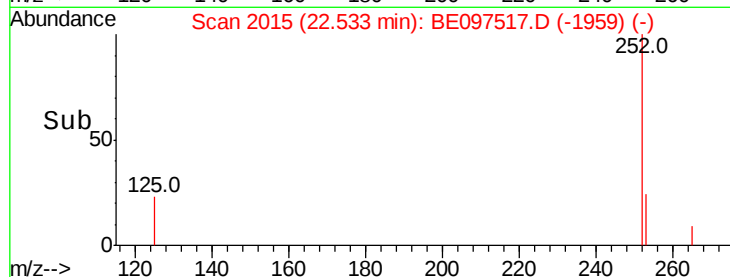
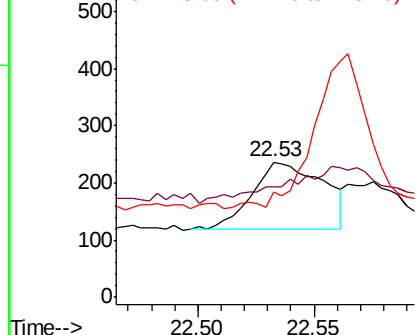
125 78.4 16.0 24.0#



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: 0.010 ng

RT: 22.53 min Scan# 2015

Delta R.T. -0.05 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

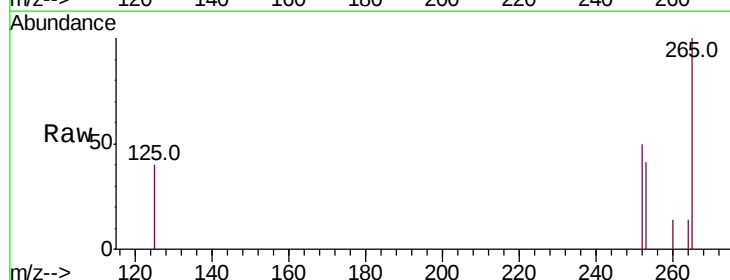
Tgt Ion:252 Resp: 249

Ion Ratio Lower Upper

252 100

253 81.8 16.0 24.0#

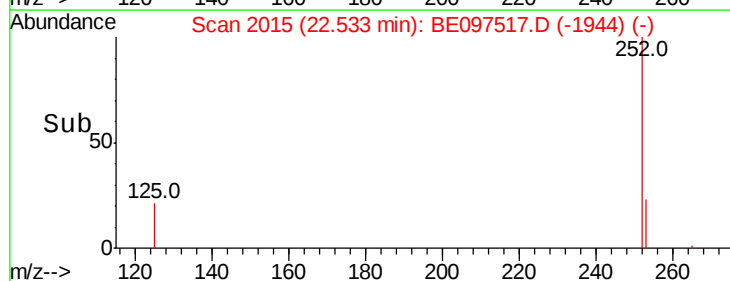
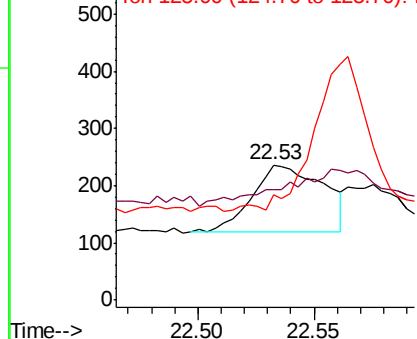
125 78.4 8.0 12.0#

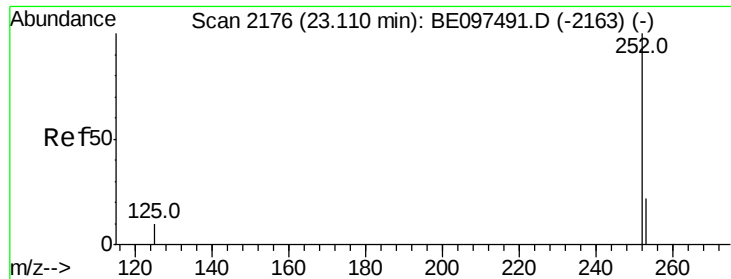


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.008 ng

RT: 23.10 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :

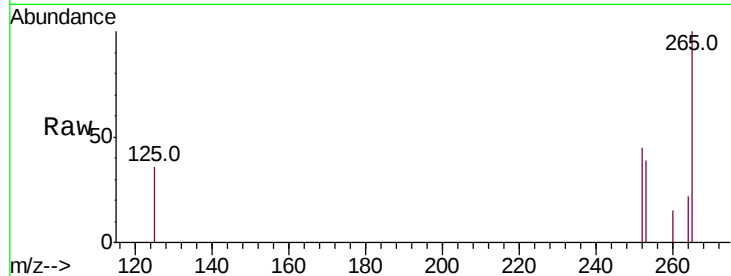
Tot Ion:252 Resp: 168

Ion Ratio Lower Upper

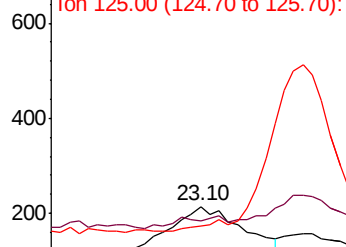
252 100

253 86.0 16.0 24.0#

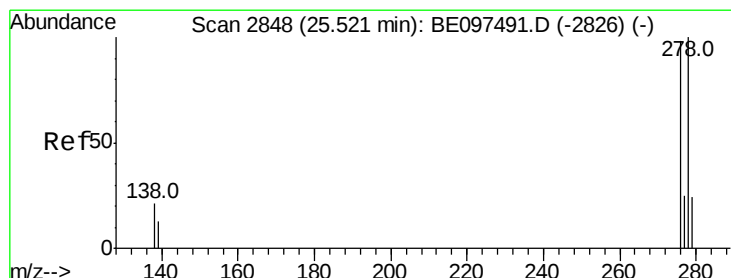
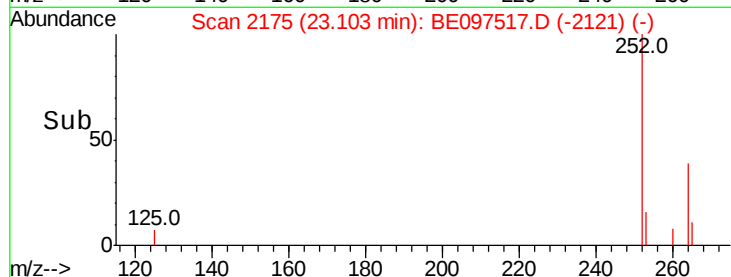
125 80.5 12.0 18.0#



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



Time--> 23.05 23.10 23.15



#38

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 25.52 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

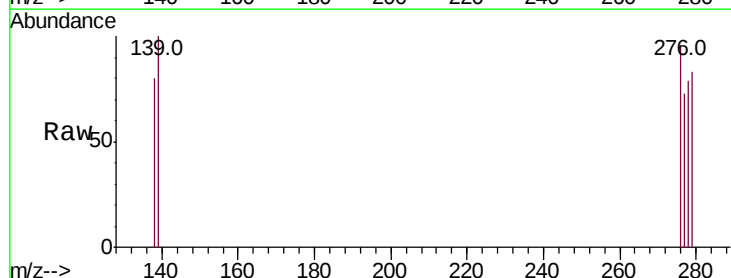
Tgt Ion:278 Resp: 83

Ion Ratio Lower Upper

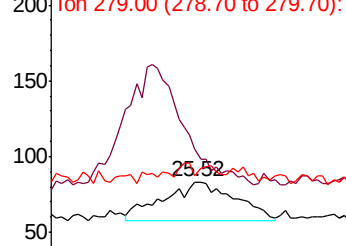
278 100

139 126.5 16.0 24.0#

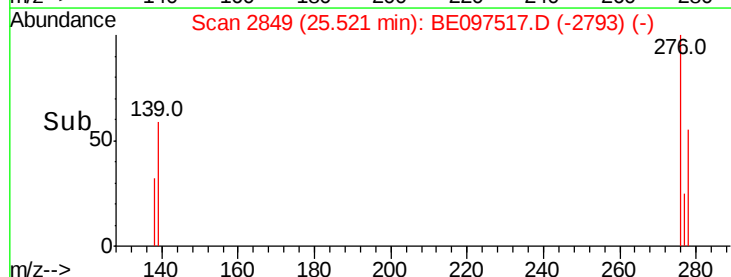
279 104.8 20.0 30.0#

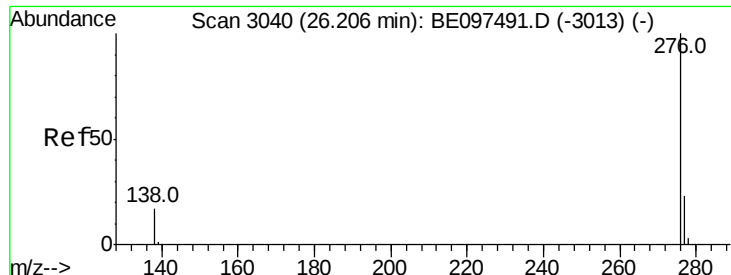


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time--> 25.45 25.50 25.55 25.60





#39

Benzo(a,h,i)perylene

Concen: 0.009 ng

RT: 26.20 min Scan# 3040

Delta R.T. -0.00 min

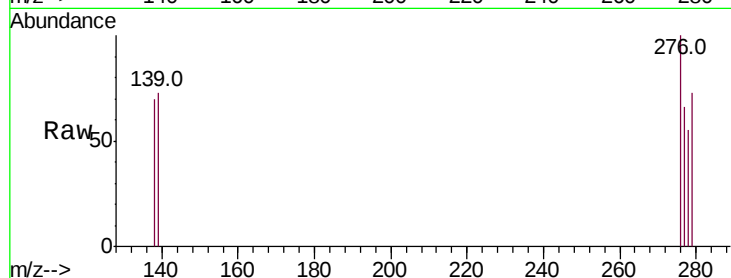
Lab File: BE097517.D

Acq: 18 Sep 2018 4:58

Instrument :

BNA_E

ClientSampleId :



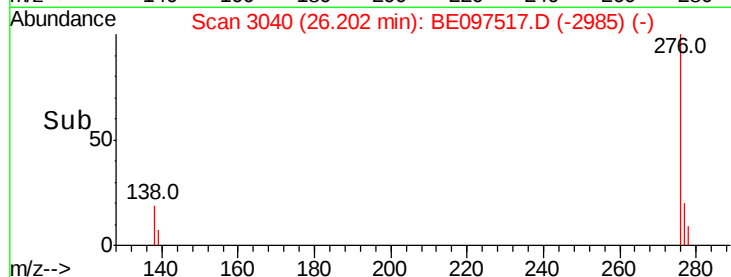
Tot Ion: 276 Resp: 210

Ion Ratio Lower Upper

276 100

277 66.4 16.0 24.0#

138 69.9 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

26.20

100

50

0

Time-->