

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100518\
 Data File : BE097785.D
 Acq On : 6 Oct 2018 10:40
 Operator : SJ/JU
 Sample : PB113550BSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB113550BSD

Quant Time: Oct 08 06:39:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 06:37:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	4935	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	18615	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	8862	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	19929	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	22383	0.40	ng	-0.01
34) Perylene-d12	24.02	264	24891	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	5002	0.43	ng	0.00
5) Phenol-d6	7.04	99	6804	0.38	ng	0.00
8) Nitrobenzene-d5	9.04	82	4657	0.77	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	14701	0.50	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	715	0.45	ng	-0.01
15) 2-Fluorobiphenyl	13.17	172	16520	0.42	ng	-0.02
25) Fluoranthene-d10	19.33	212	92514	0.37	ng	0.00
29) Terphenyl-d14	19.92	244	16649	0.36	ng	-0.01

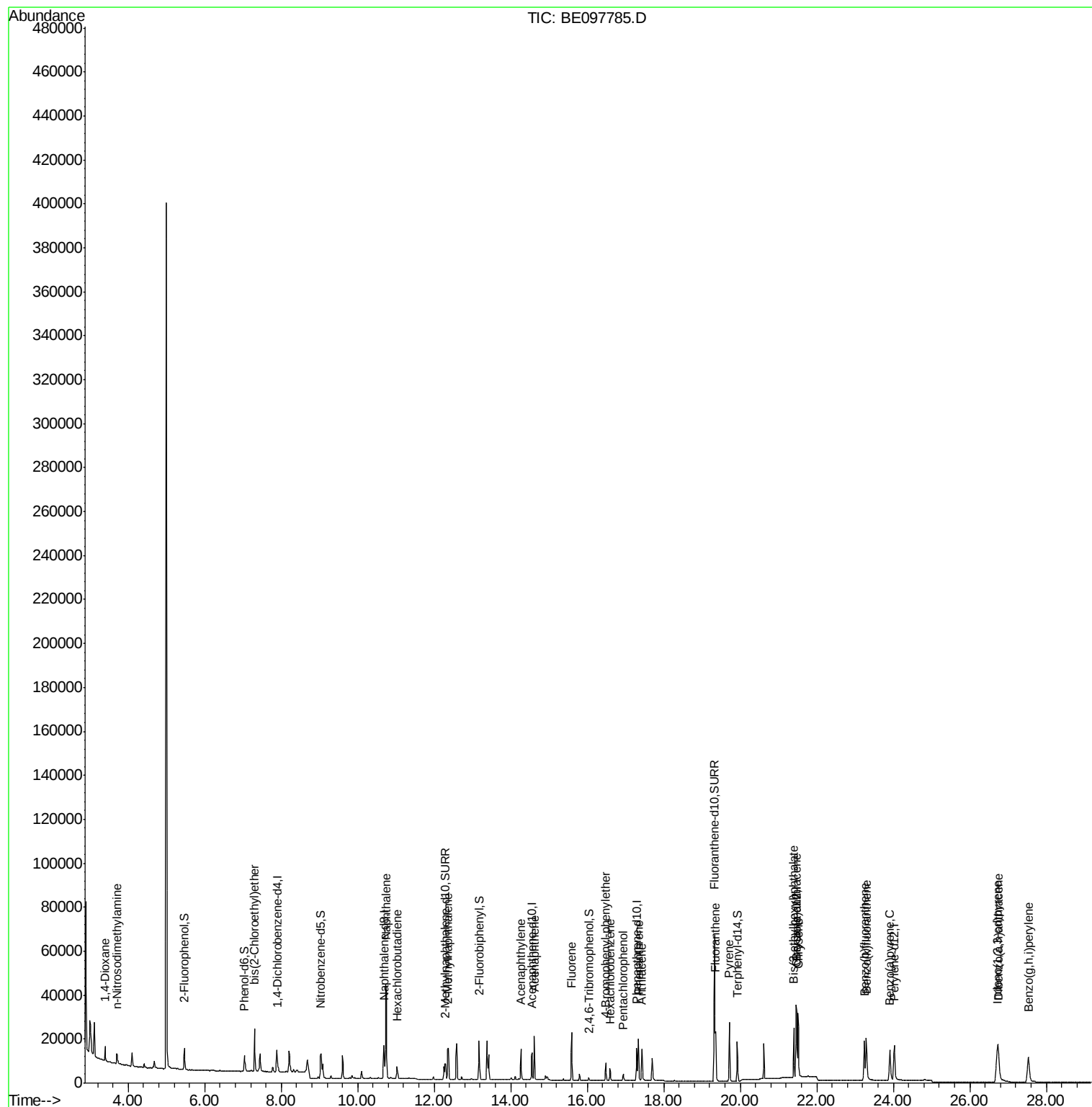
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.40	88	3662	0.372	ng	# 91
3) n-Nitrosodimethylamine	3.70	42	3576	0.400	ng	88
6) bis(2-Chloroethyl)ether	7.31	93	6641	0.359	ng	100
9) Naphthalene	10.73	128	77676	0.414	ng	100
10) Hexachlorobutadiene	11.03	225	3800	0.382	ng	98
12) 2-Methylnaphthalene	12.37	142	12294	0.409	ng	100
16) Acenaphthylene	14.27	152	15414	0.393	ng	99
17) Acenaphthene	14.61	154	9819	0.391	ng	96
18) Fluorene	15.59	166	12895	0.386	ng	99
20) 4-Bromophenyl-phenylether	16.49	248	4141	0.396	ng	96
21) Hexachlorobenzene	16.59	284	4392	0.373	ng	97
22) Pentachlorophenol	16.94	266	1631	0.884	ng	95
23) Phenanthrene	17.34	178	21805	0.425	ng	100
24) Anthracene	17.42	178	18131	0.409	ng	99
26) Fluoranthene	19.35	202	24930	0.381	ng	100
28) Pyrene	19.72	202	24944	0.439	ng	99
30) Benzo(a)anthracene	21.46	228	25234	0.419	ng	98
31) Chrysene	21.51	228	28925	0.430	ng	98
32) Bis(2-ethylhexyl)phthalate	21.40	149	20922	0.475	ng	99
33) Indeno(1,2,3-cd)pyrene	26.71	276	34451	0.590	ng	# 89
35) Benzo(b)fluoranthene	23.24	252	27658	0.405	ng	99
36) Benzo(k)fluoranthene	23.30	252	30424	0.402	ng	98
37) Benzo(a)pyrene	23.91	252	25504	0.412	ng	98
38) Dibenzo(a,h)anthracene	26.74	278	29154	0.479	ng	97
39) Benzo(g,h,i)perylene	27.53	276	31078	0.488	ng	99

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

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QLast Update : Mon Oct 08 06:37:06 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.90 min Scan# 437

Delta R.T. -0.00 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

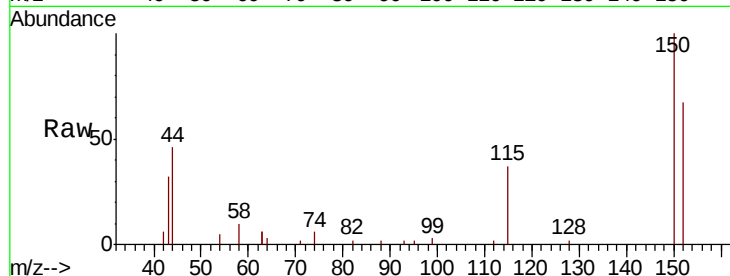
Tot Ion:152 Resp: 4935

Ion Ratio Lower Upper

152 100

150 148.5 120.9 181.3

115 55.6 46.6 69.8

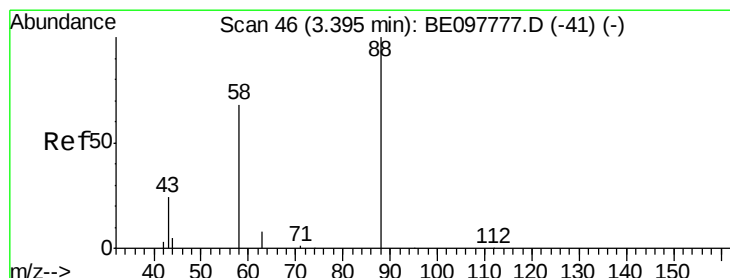
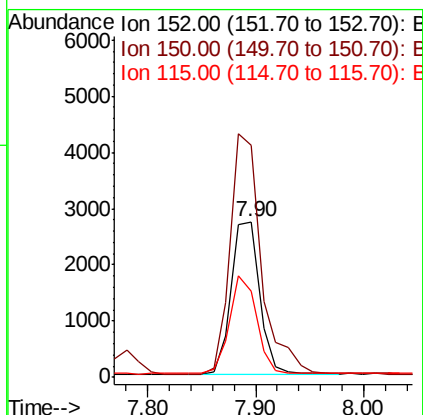
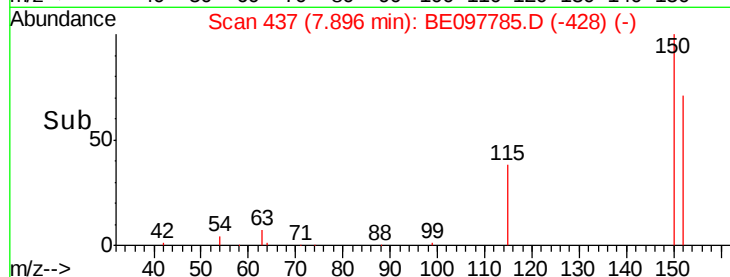


Abundance

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: 0.372 ng

RT: 3.40 min Scan# 47

Delta R.T. 0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

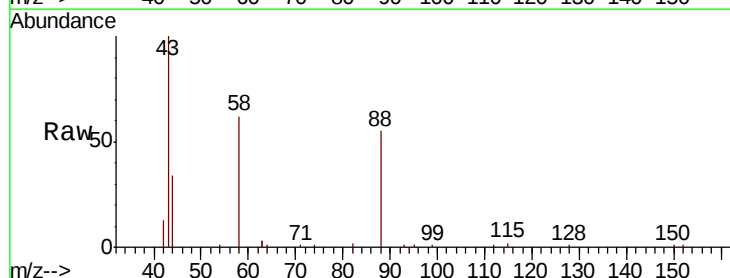
Tgt Ion: 88 Resp: 3662

Ion Ratio Lower Upper

88 100

58 93.1 70.8 106.2

43 53.4 33.3 49.9#

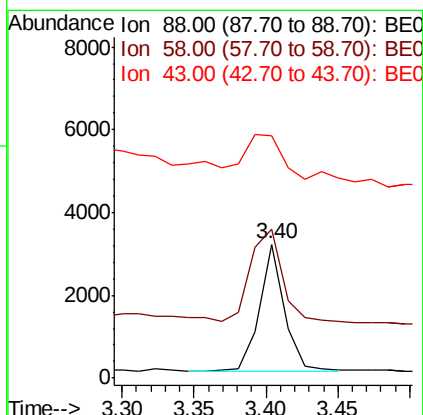
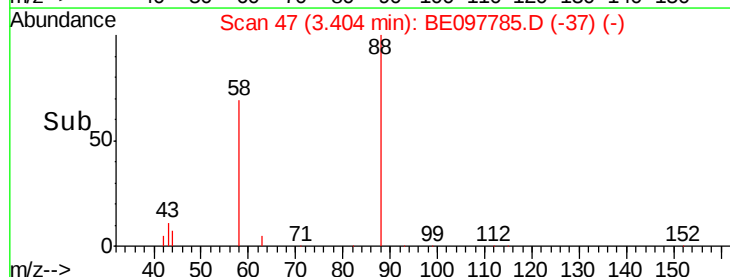


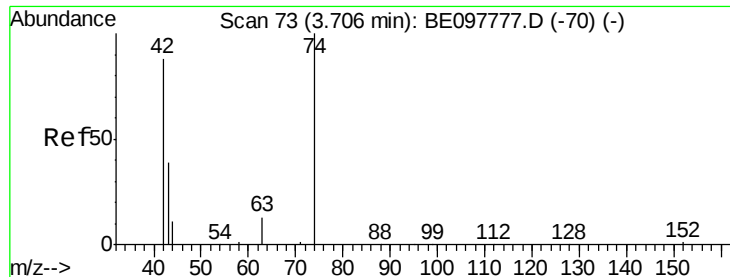
Abundance

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



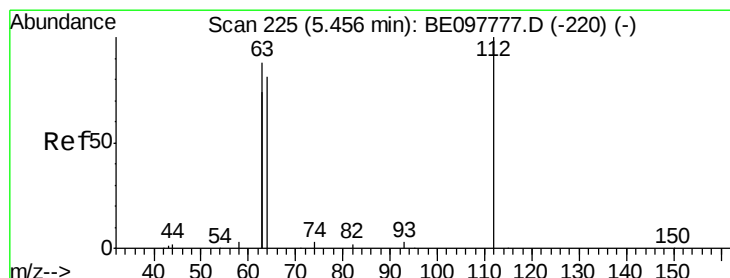
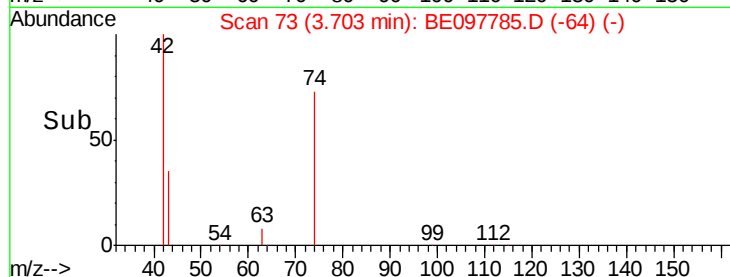
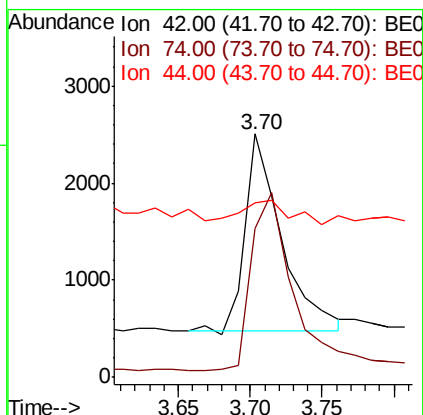
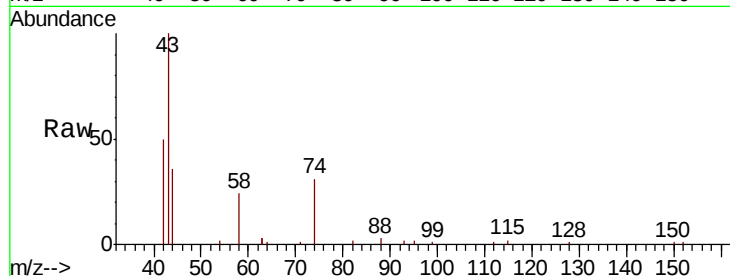


#3

n-Nitrosodimethylamine
 Concen: 0.400 ng
 RT: 3.70 min Scan# 73
 Delta R.T. -0.00 min
 Lab File: BE097785.D
 Acq: 6 Oct 2018 10:40

Instrument :
 BNA_E
 ClientSampleId :
 PB113550BSD

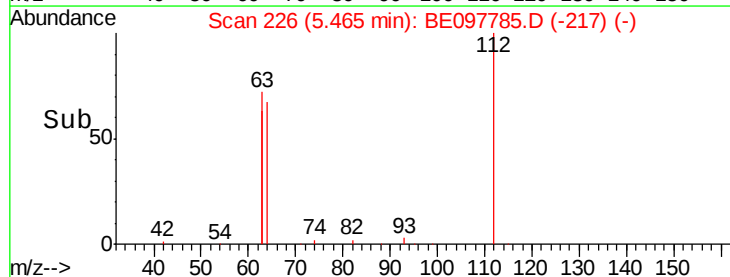
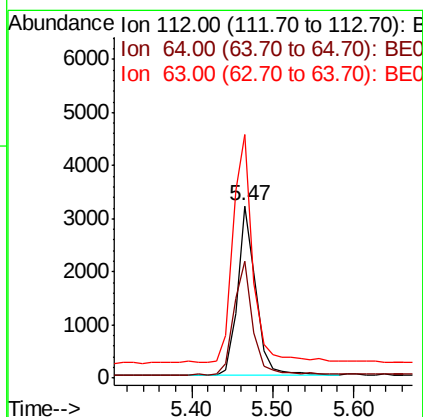
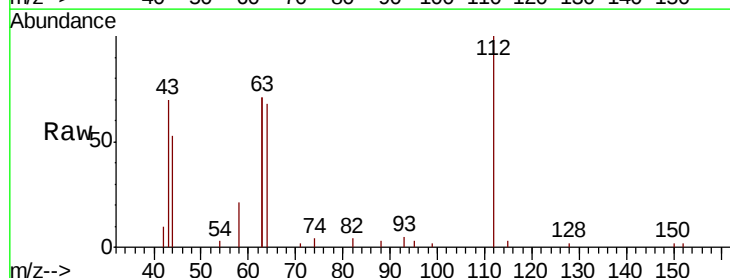
Tot Ion: 42 Resp: 3576
 Ion Ratio Lower Upper
 42 100
 74 100.6 70.7 106.1
 44 16.9 15.0 22.4

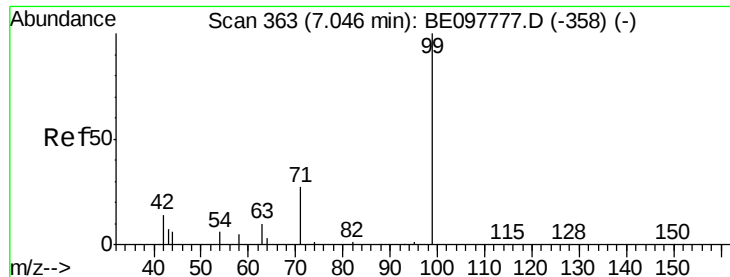


#4

2-Fluorophenol
 Concen: 0.428 ng
 RT: 5.47 min Scan# 226
 Delta R.T. -0.00 min
 Lab File: BE097785.D
 Acq: 6 Oct 2018 10:40

Tgt Ion: 112 Resp: 5002
 Ion Ratio Lower Upper
 112 100
 64 70.0 56.6 84.8
 63 147.7 119.4 179.0





#5

Phenol-d6

Concen: 0.380 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

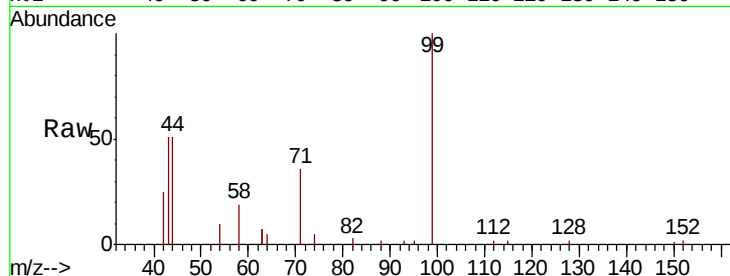
Tot Ion: 99 Resp: 6804

Ion Ratio Lower Upper

99 100

42 25.8 19.9 29.9

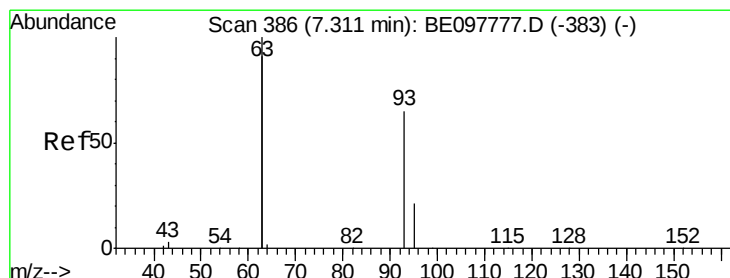
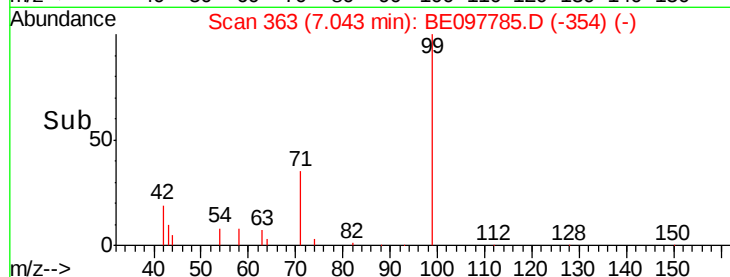
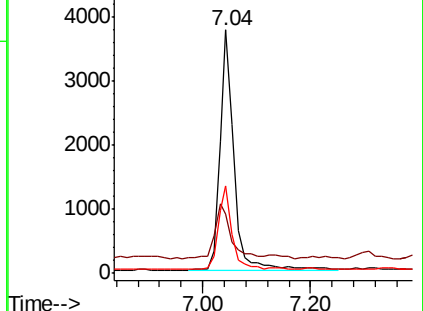
71 34.0 25.4 38.2



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: 0.359 ng

RT: 7.31 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

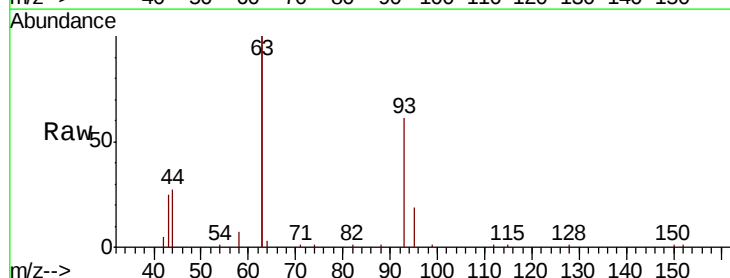
Tgt Ion: 93 Resp: 6641

Ion Ratio Lower Upper

93 100

63 334.1 266.9 400.3

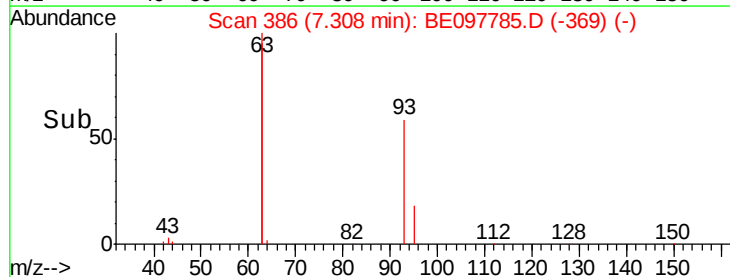
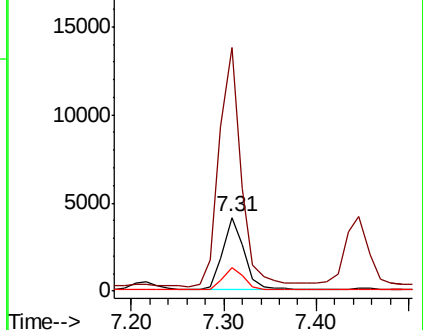
95 31.4 26.2 39.2

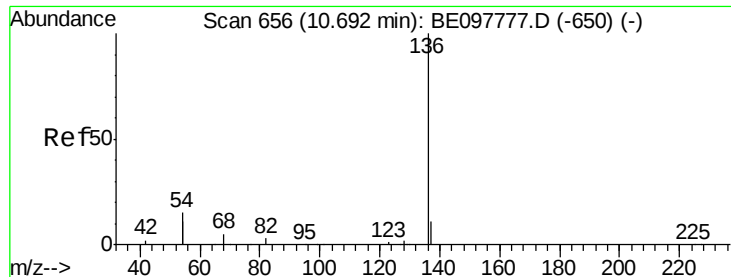


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

Tot Ion:136 Resp: 18615

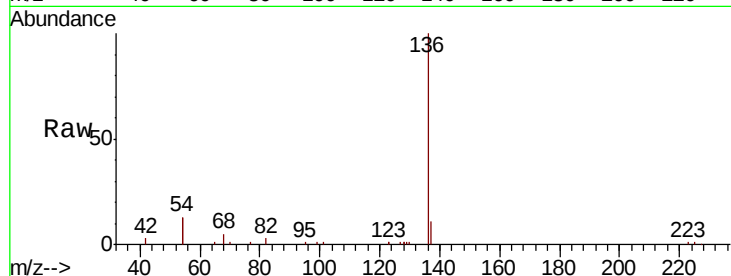
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 25.3 37.8 56.6#

68 5.4 6.4 9.6#

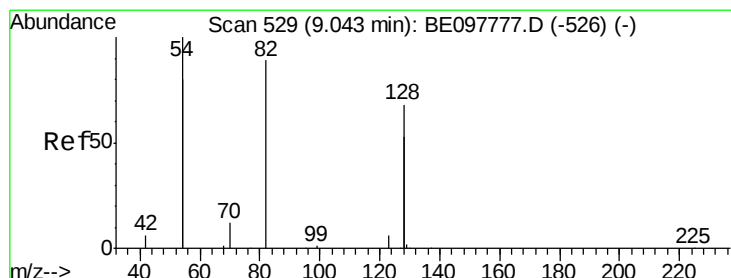
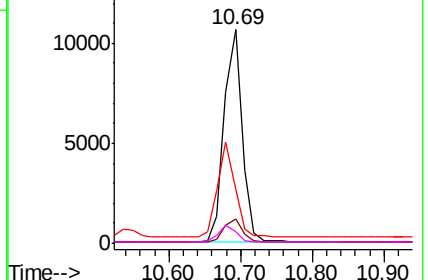
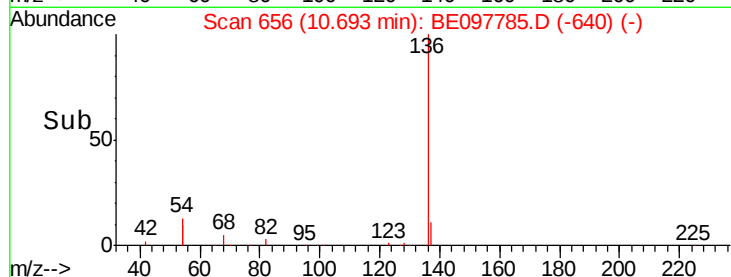


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.771 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

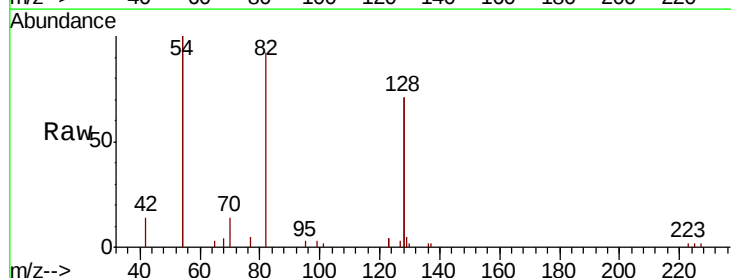
Tgt Ion: 82 Resp: 4657

Ion Ratio Lower Upper

82 100

128 152.9 97.0 145.4#

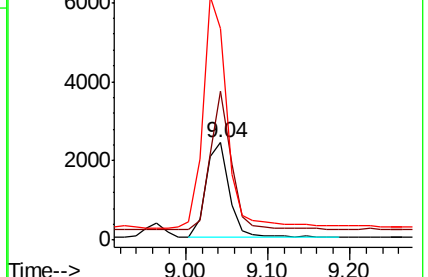
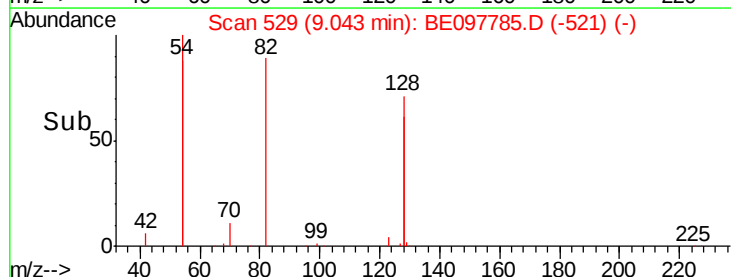
54 216.7 206.9 310.3

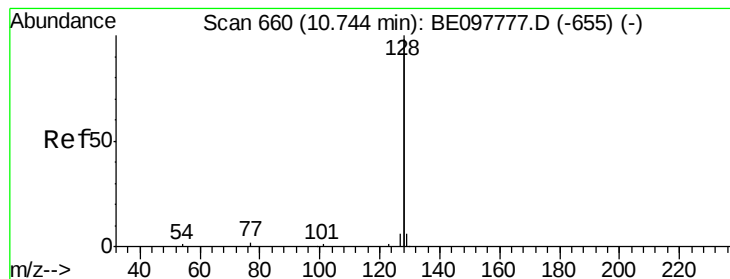


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.414 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

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PB113550BSD

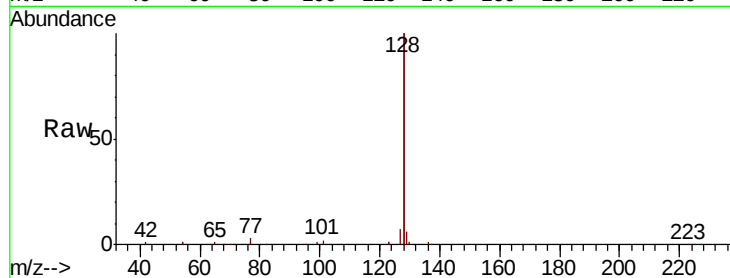
Tot Ion:128 Resp: 77676

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.2

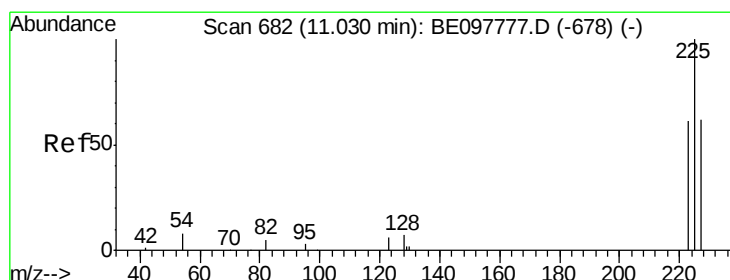
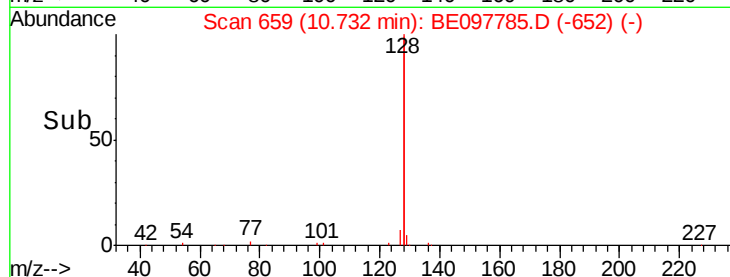
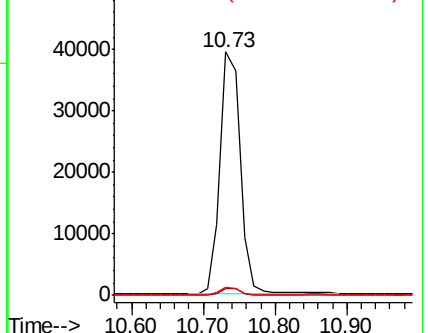
127 3.4 2.7 4.1



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: 0.382 ng

RT: 11.03 min Scan# 682

Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

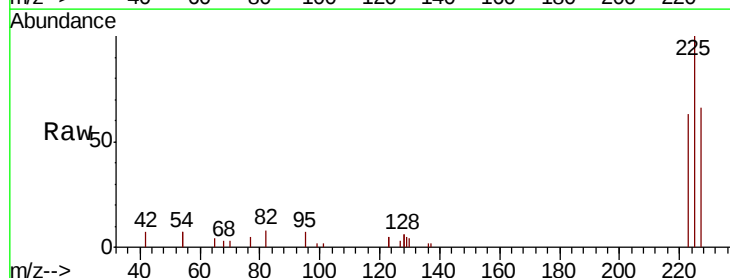
Tgt Ion:225 Resp: 3800

Ion Ratio Lower Upper

225 100

223 62.9 52.2 78.4

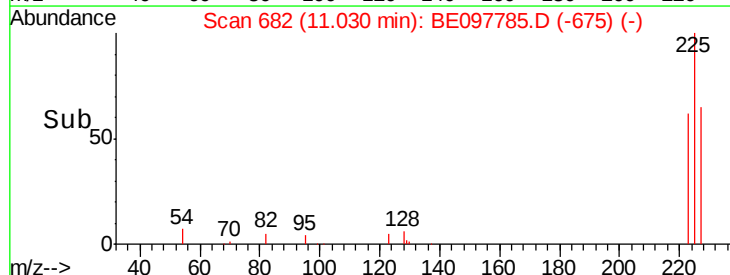
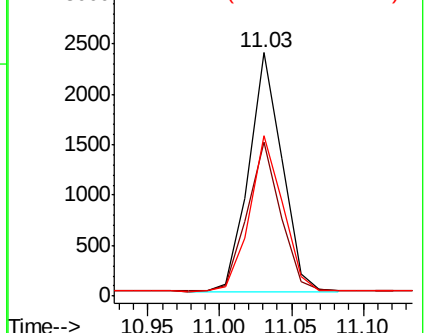
227 64.9 51.2 76.8

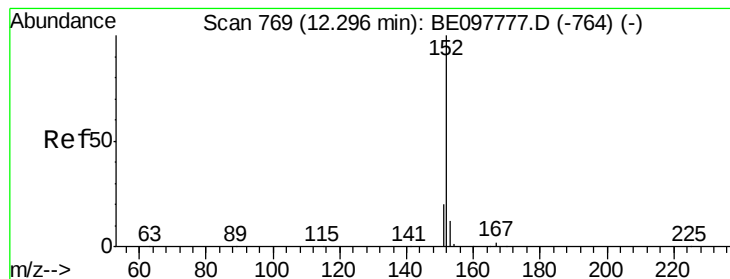


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

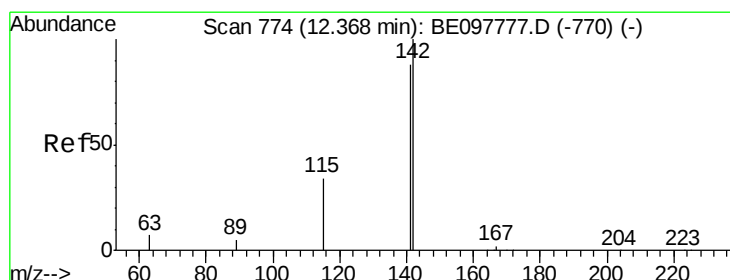
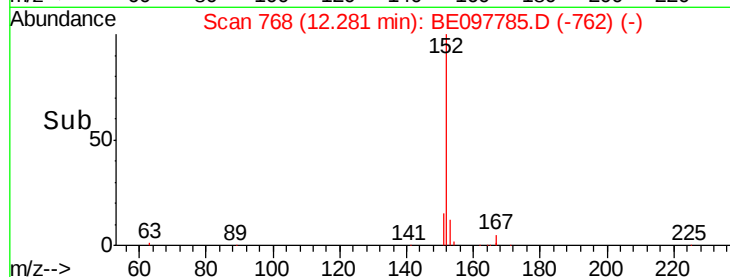
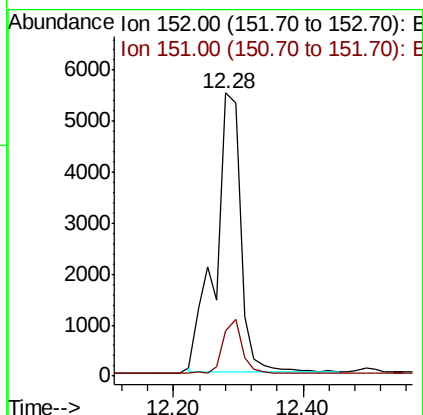
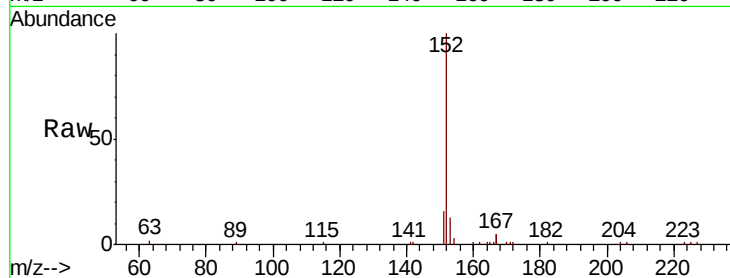




#11
 2-Methylnaphthalene-d10
 Concen: 0.496 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BE097785.D
 Acq: 6 Oct 2018 10:40

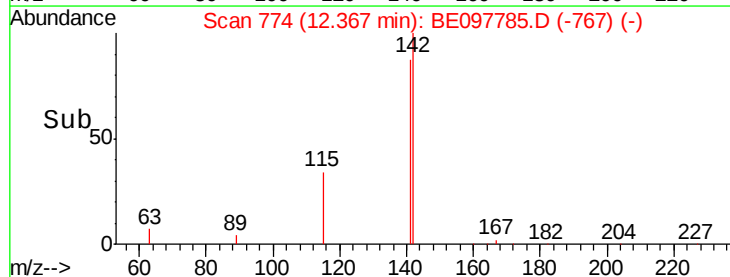
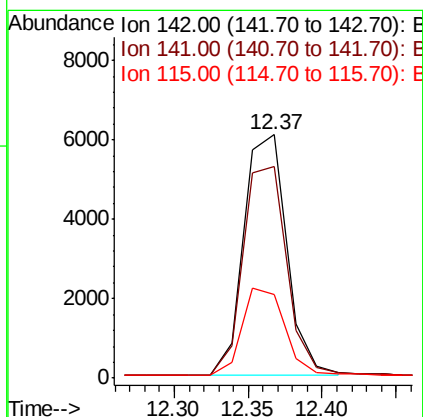
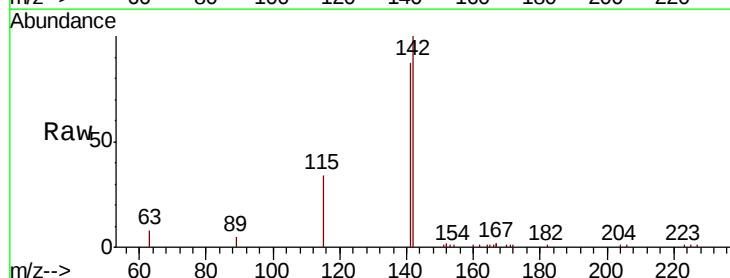
Instrument :
 BNA_E
 ClientSampleId :
 PB113550BSD

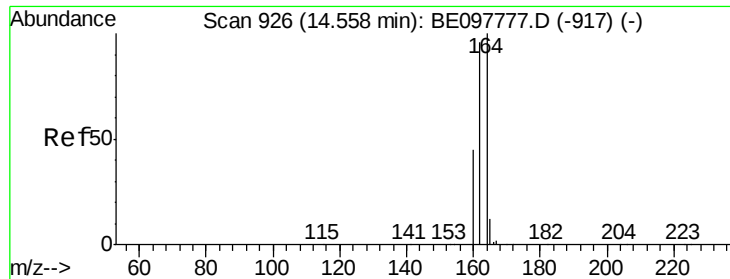
Tot Ion:152 Resp: 14701
 Ion Ratio Lower Upper
 152 100
 151 14.7 15.4 23.2#



#12
 2-Methylnaphthalene
 Concen: 0.409 ng
 RT: 12.37 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: BE097785.D
 Acq: 6 Oct 2018 10:40

Tgt Ion:142 Resp: 12294
 Ion Ratio Lower Upper
 142 100
 141 87.0 69.4 104.2
 115 34.4 28.0 42.0

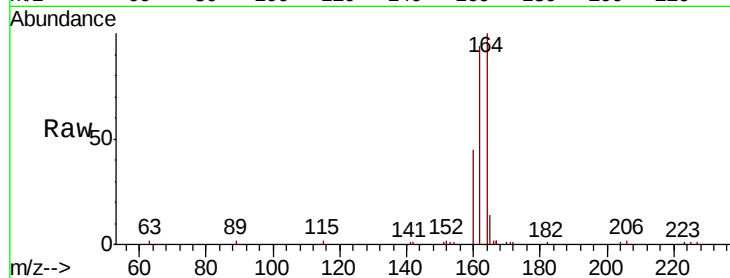




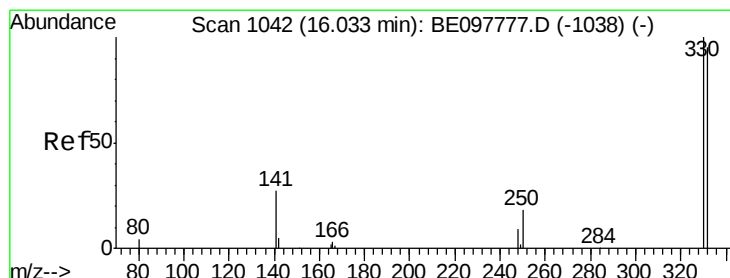
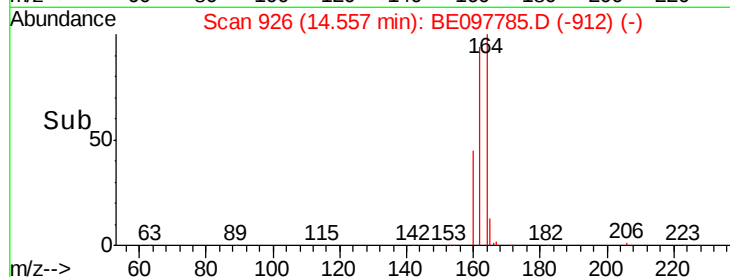
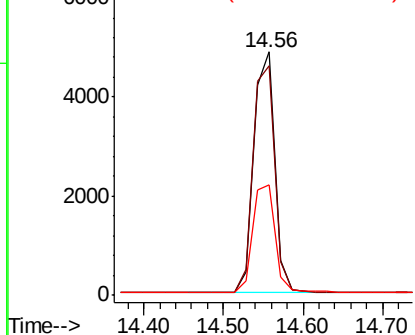
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tot Ion:164 Resp: 8862
Ion Ratio Lower Upper
164 100
162 94.0 78.6 117.8
160 45.5 37.8 56.6

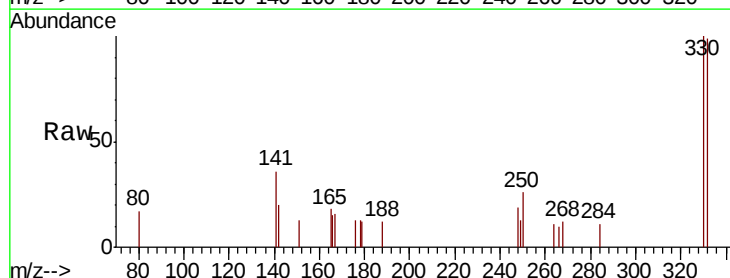


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

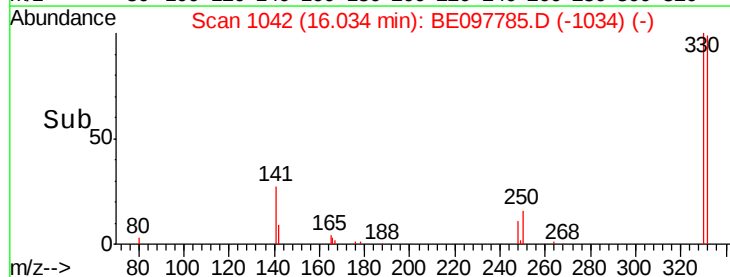
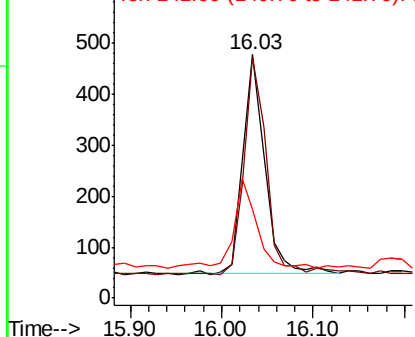


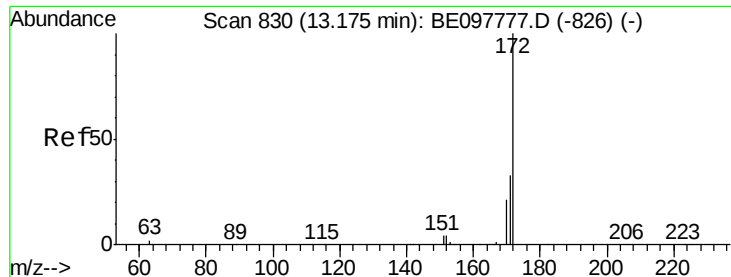
#14
2,4,6-Tribromophenol
Concen: 0.445 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:330 Resp: 715
Ion Ratio Lower Upper
330 100
332 99.0 83.5 125.3
141 41.8 34.9 52.3



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

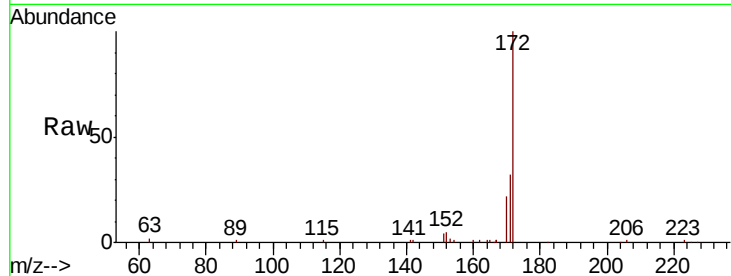




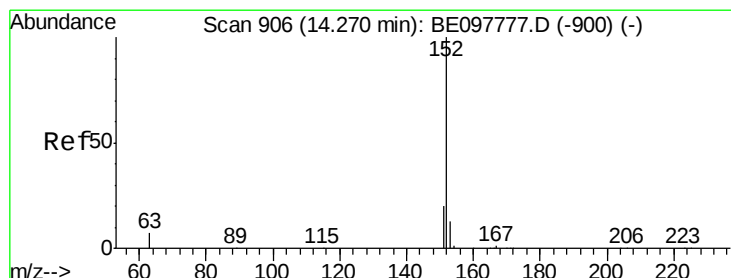
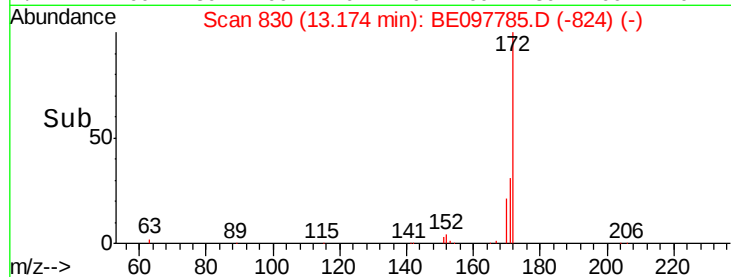
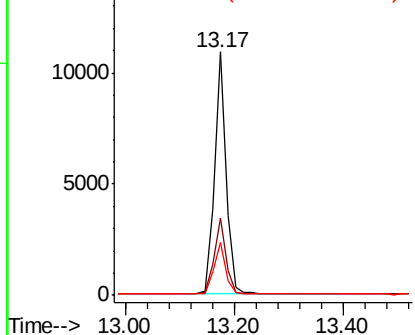
#15
2-Fluorobiphenyl
Concen: 0.423 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.02 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tot Ion:172 Resp: 16520
Ion Ratio Lower Upper
172 100
171 31.5 25.2 37.8
170 21.6 16.2 24.2

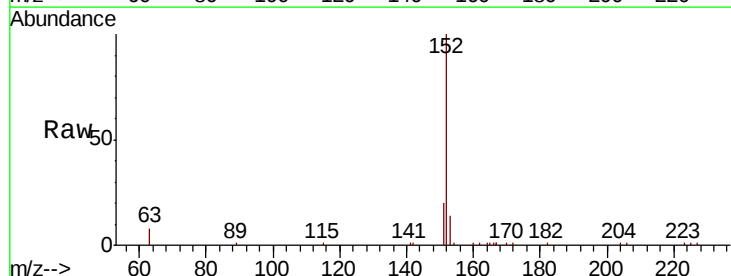


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

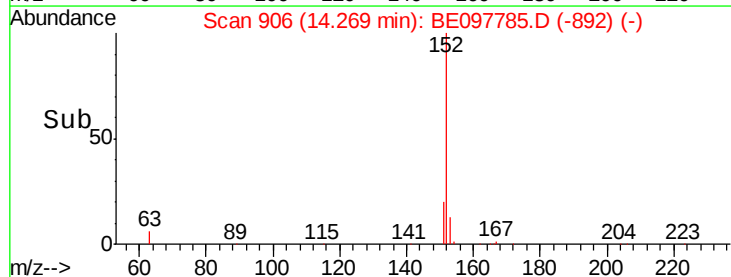
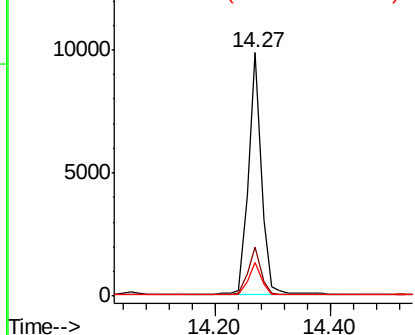


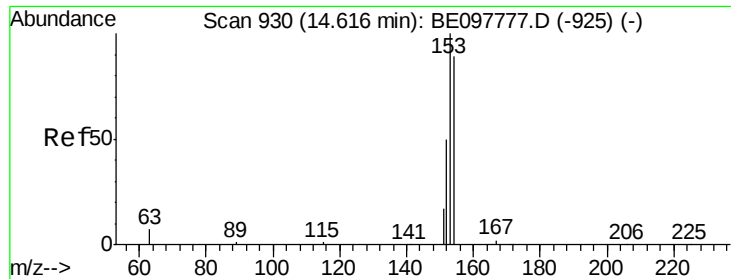
#16
Acenaphthylene
Concen: 0.393 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:152 Resp: 15414
Ion Ratio Lower Upper
152 100
151 20.1 15.3 22.9
153 13.6 10.8 16.2



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

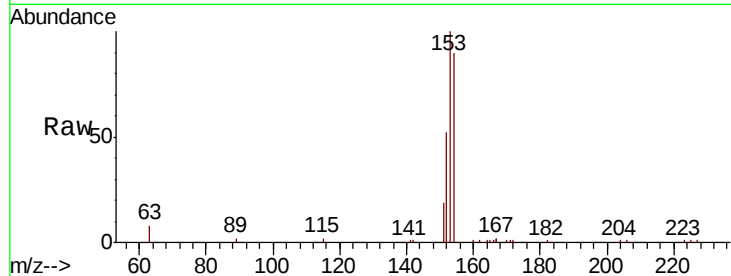




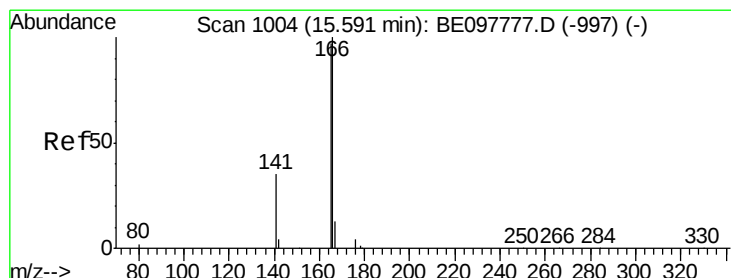
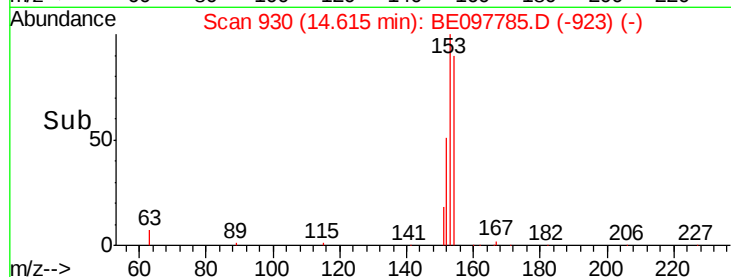
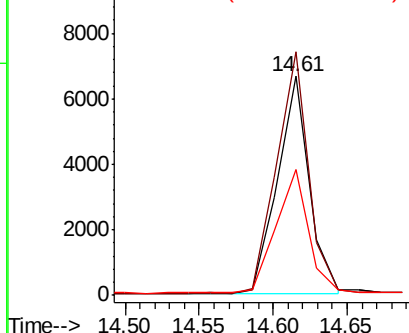
#17
Acenaphthene
Concen: 0.391 ng
RT: 14.61 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tot Ion:154 Resp: 9819
Ion Ratio Lower Upper
154 100
153 112.4 93.3 139.9
152 58.3 48.9 73.3

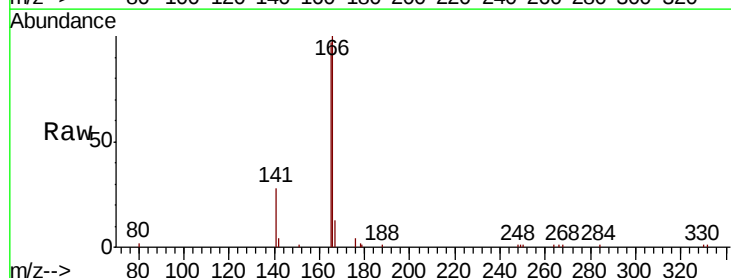


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

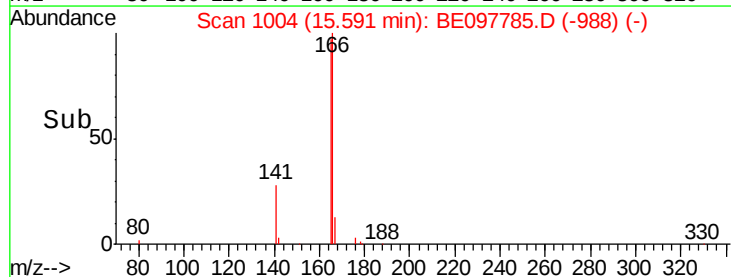
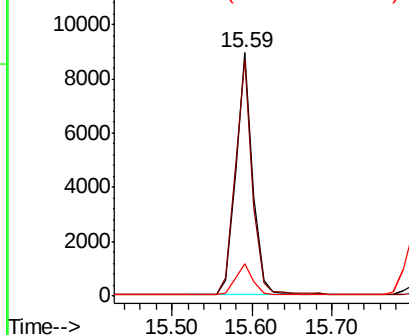


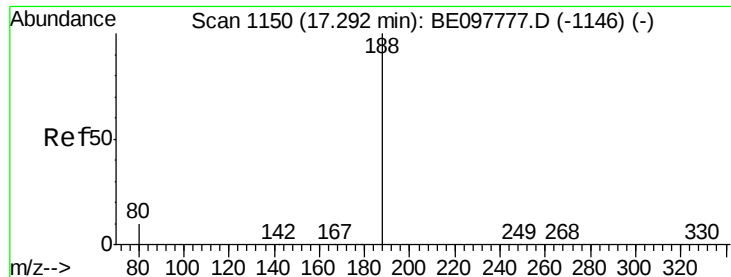
#18
Fluorene
Concen: 0.386 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:166 Resp: 12895
Ion Ratio Lower Upper
166 100
165 98.1 79.0 118.4
167 13.7 11.1 16.7



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: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

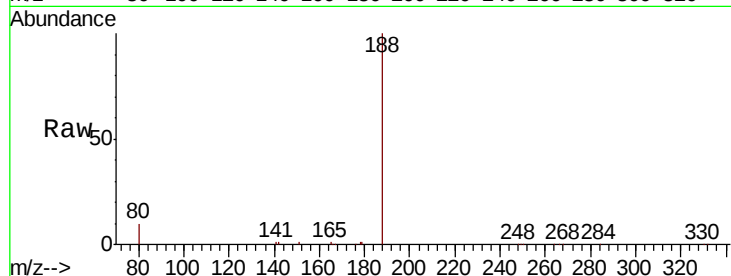
Tot Ion:188 Resp: 19929

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

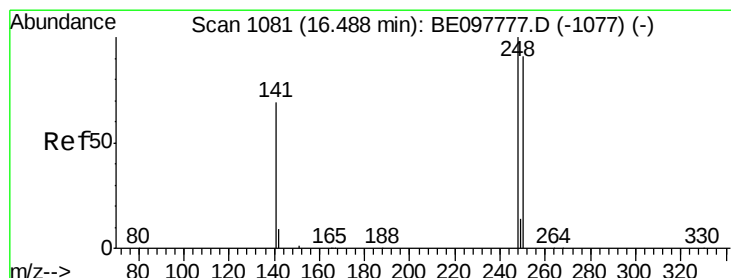
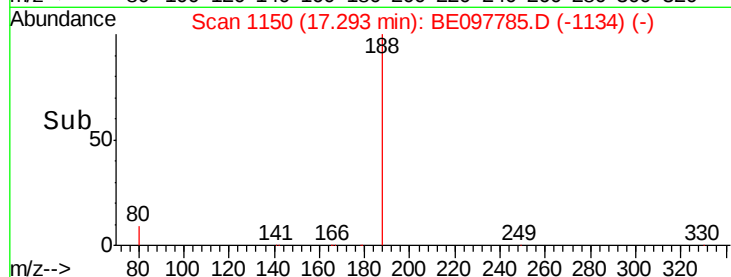
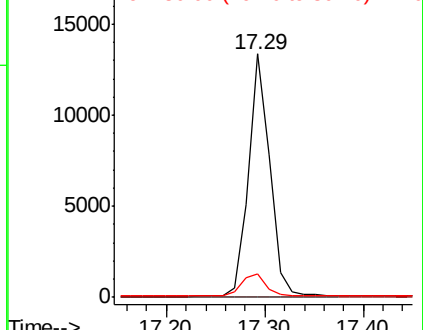
80 9.5 6.6 9.8



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: 0.396 ng

RT: 16.49 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

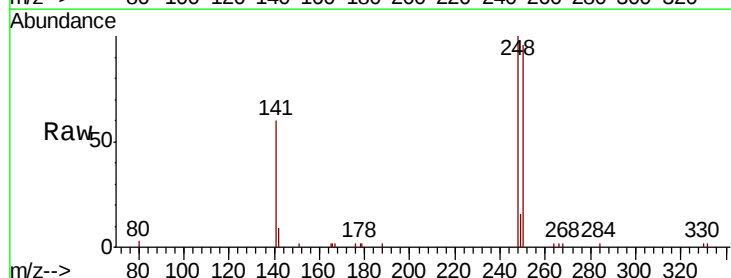
Tgt Ion:248 Resp: 4141

Ion Ratio Lower Upper

248 100

250 96.1 76.1 114.1

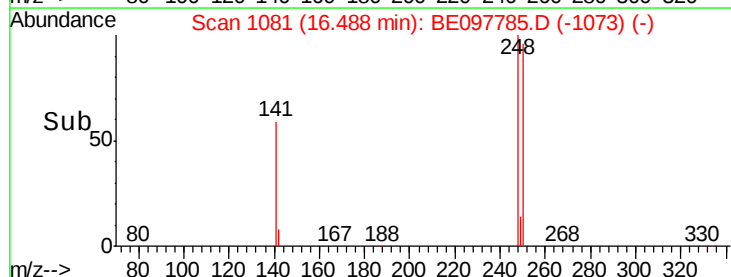
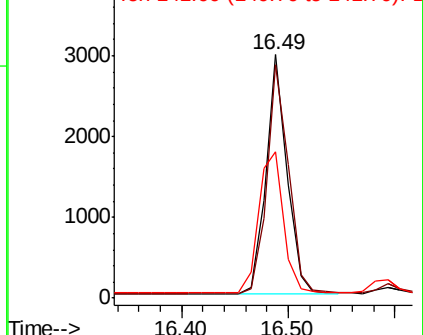
141 59.9 42.2 63.4

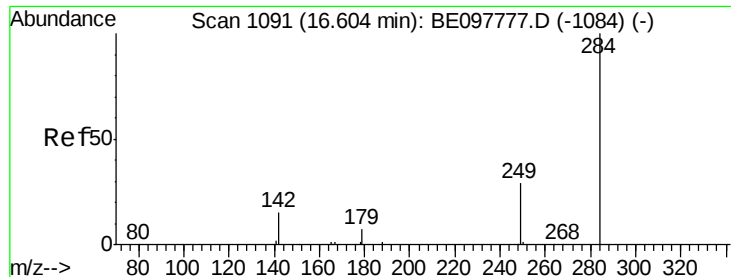


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

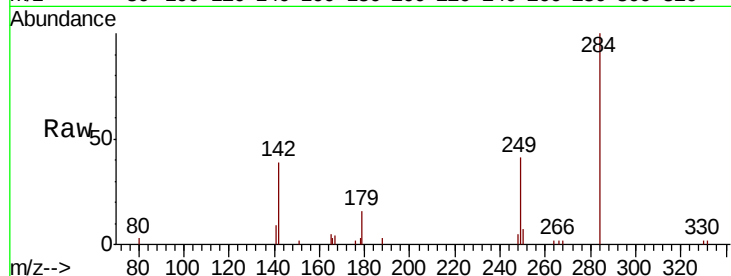




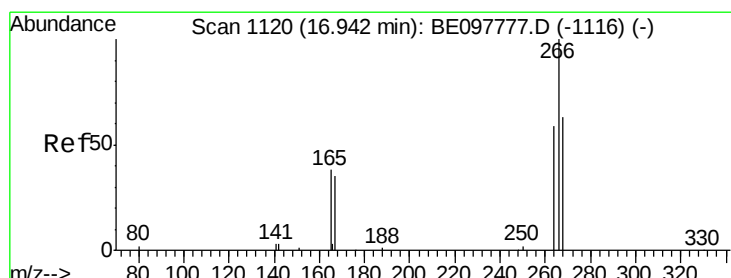
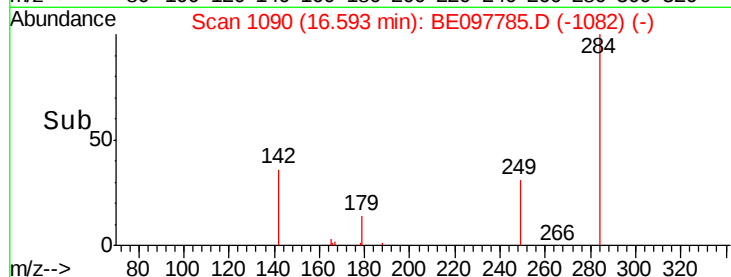
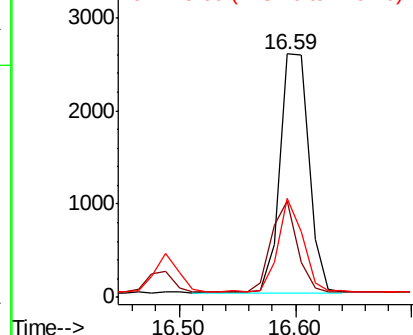
#21
Hexachlorobenzene
Concen: 0.373 ng
RT: 16.59 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Instrument :
BNA_E
ClientSampleId :
PB113550BSD

Tot Ion:284	Resp: 4392
Ion Ratio	Lower Upper
284 100	
142 33.8	24.9 37.3
249 33.4	25.8 38.8

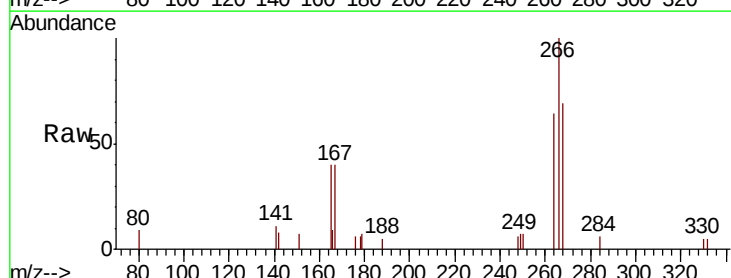


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

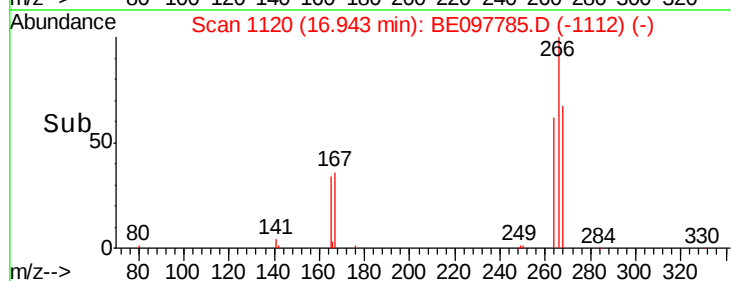
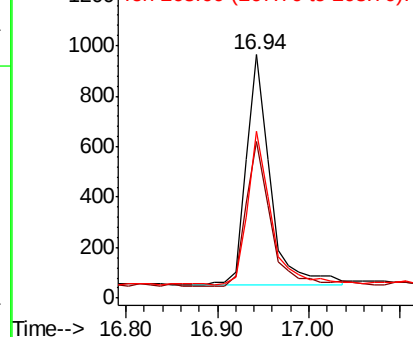


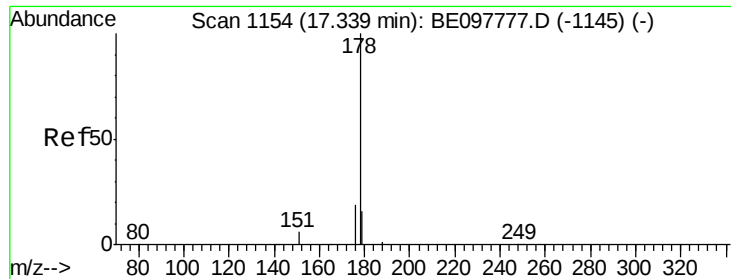
#22
Pentachlorophenol
Concen: 0.884 ng
RT: 16.94 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion	266	Resp: Lower	1631 Upper
	Ratio		
266	100		
264	64.2	46.8	70.2
268	68.7	53.0	79.6



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: 0.425 ng

RT: 17.34 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

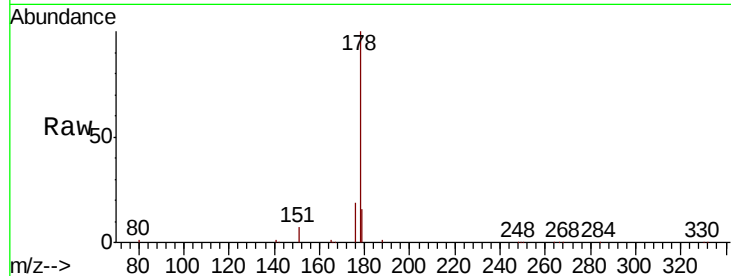
Tot Ion:178 Resp: 21805

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

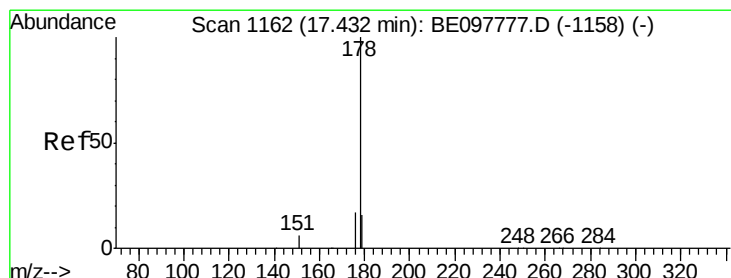
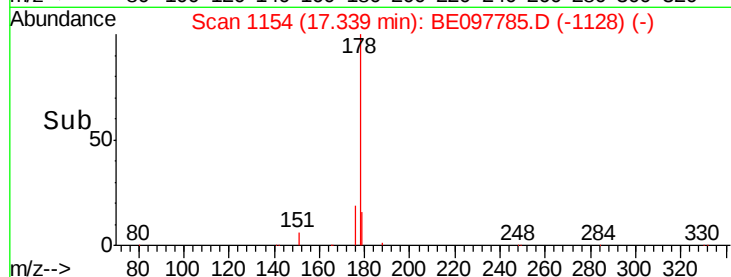
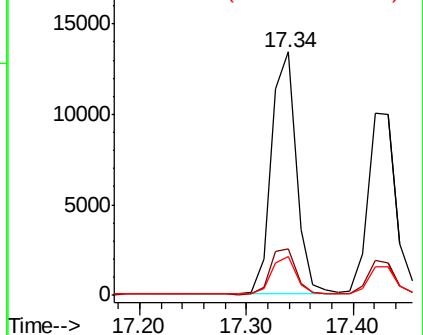
179 15.4 12.2 18.4



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: 0.409 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

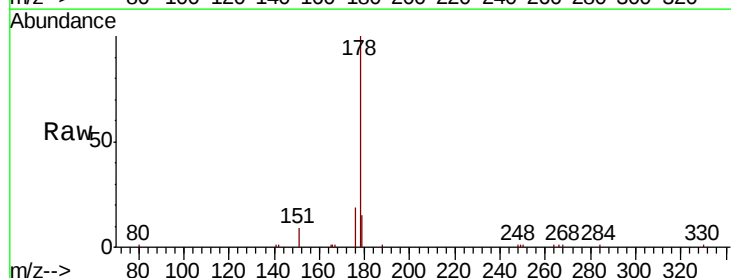
Tgt Ion:178 Resp: 18131

Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

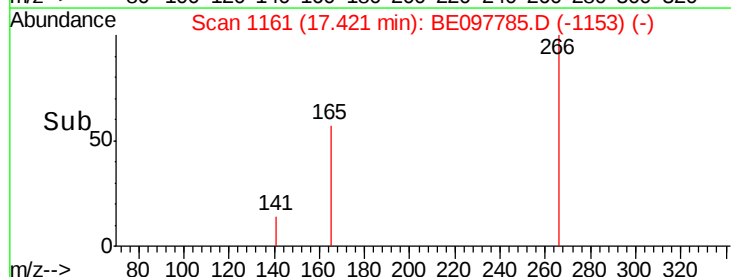
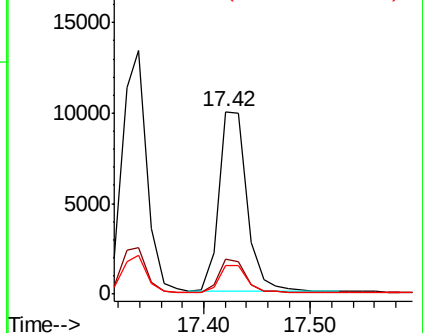
179 14.7 12.2 18.2

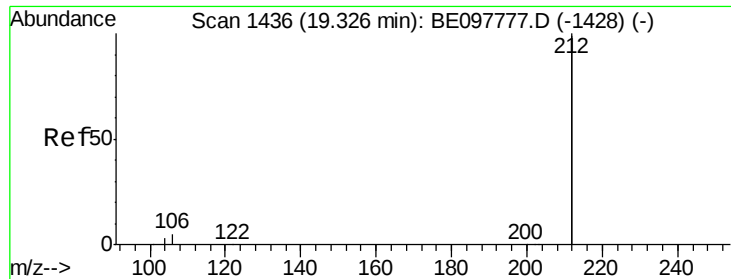


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

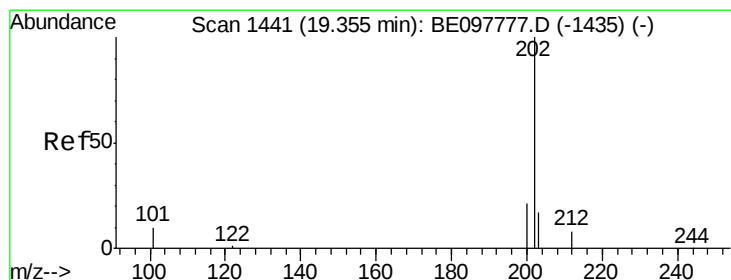
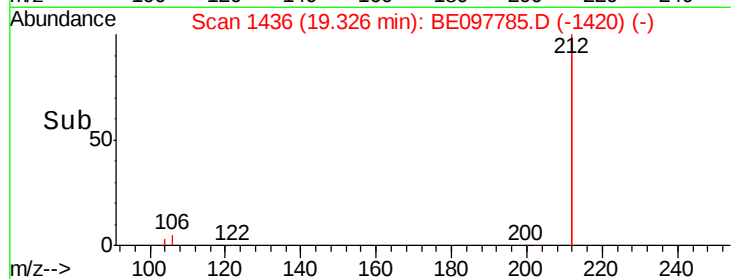
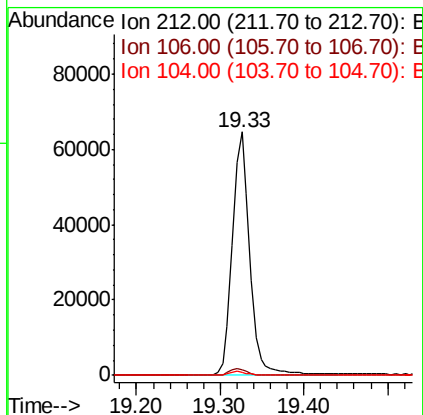
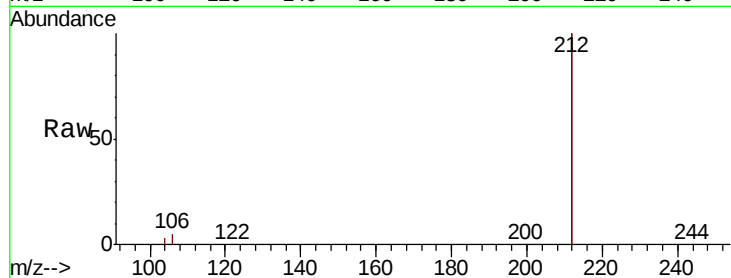




#25
 Fluoranthene-d10
 Concen: 0.367 ng
 RT: 19.33 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE097785.D
 Acq: 6 Oct 2018 10:40

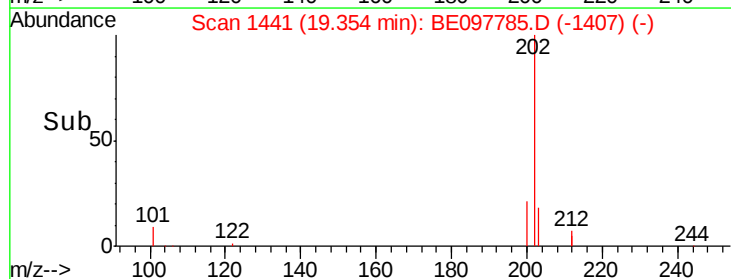
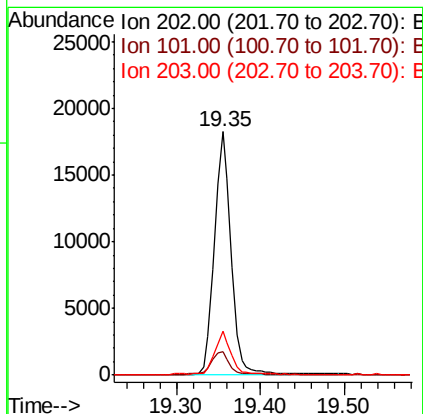
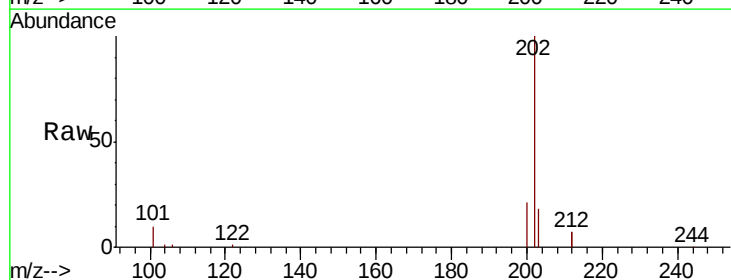
Instrument :
 BNA_E
 ClientSampleId :
 PB113550BSD

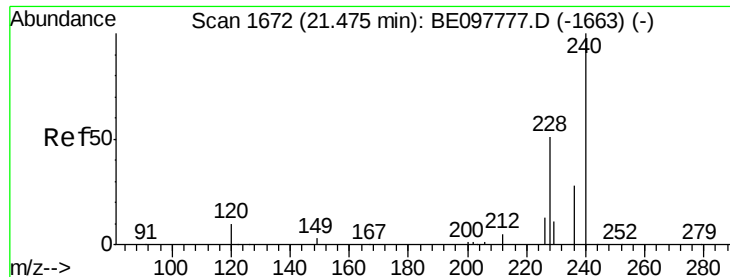
Tot Ion:212 Resp: 92514
 Ion Ratio Lower Upper
 212 100
 106 2.7 2.2 3.2
 104 1.5 1.2 1.8



#26
 Fluoranthene
 Concen: 0.381 ng
 RT: 19.35 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BE097785.D
 Acq: 6 Oct 2018 10:40

Tgt Ion:202 Resp: 24930
 Ion Ratio Lower Upper
 202 100
 101 10.0 7.8 11.8
 203 17.0 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.47 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

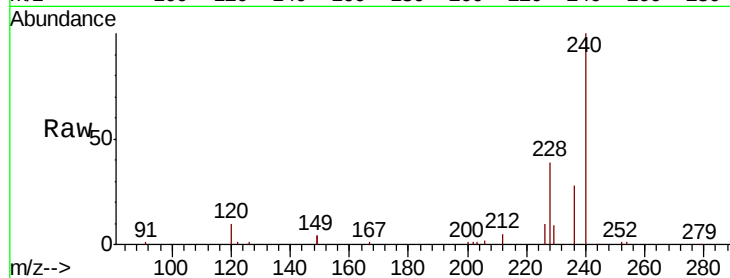
Tot Ion:240 Resp: 22383

Ion Ratio Lower Upper

240 100

120 9.5 4.7 7.1#

236 27.8 20.8 31.2

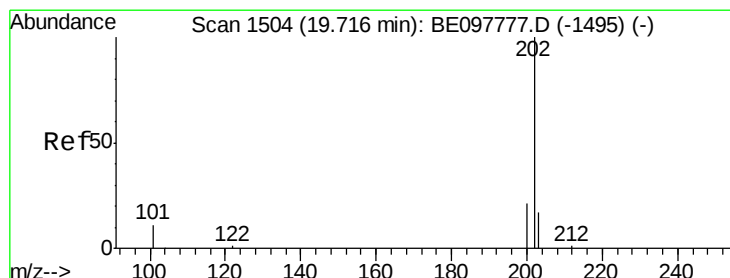
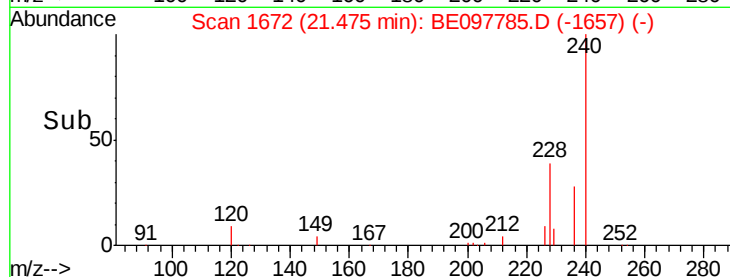
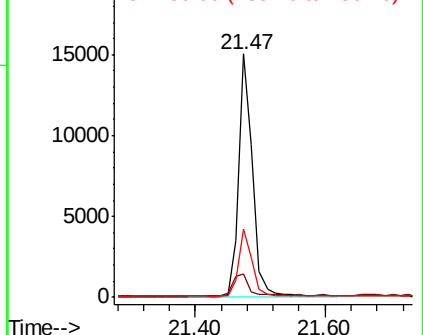


Abundance

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: 0.439 ng

RT: 19.72 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

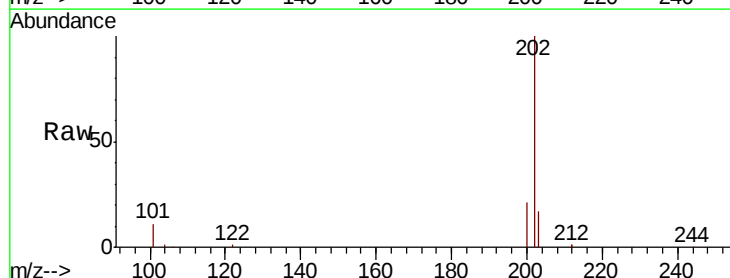
Tgt Ion:202 Resp: 24944

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.8 13.9 20.9

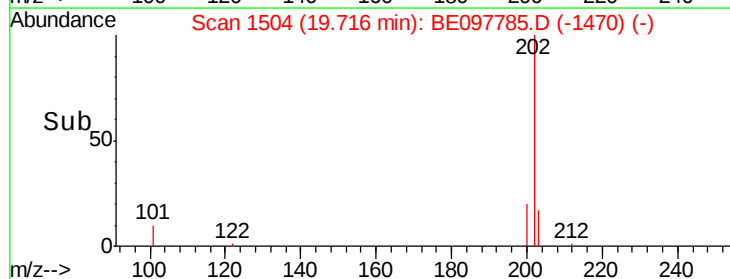
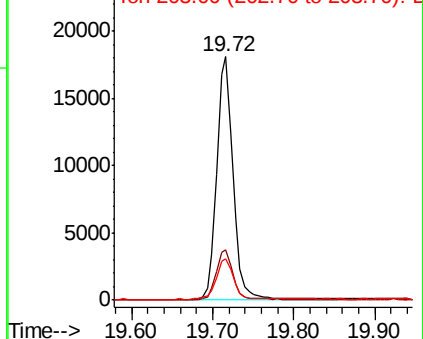


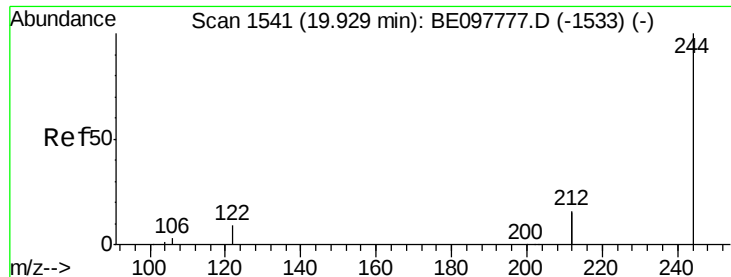
Abundance

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: 0.364 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

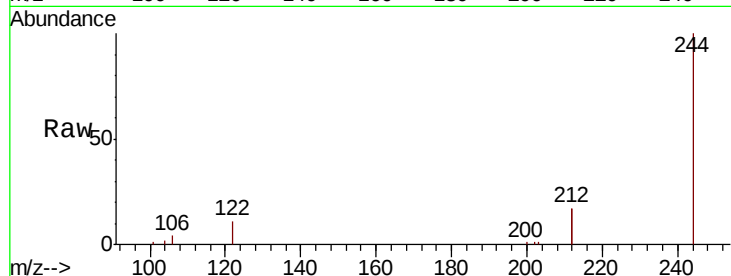
Tot Ion:244 Resp: 16649

Ion Ratio Lower Upper

244 100

212 33.4 25.8 38.8

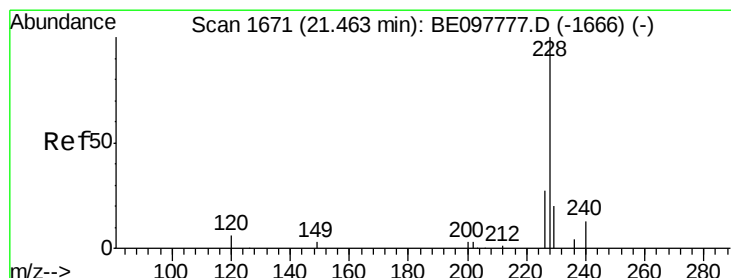
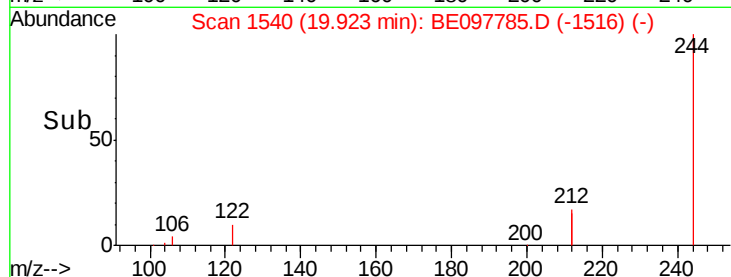
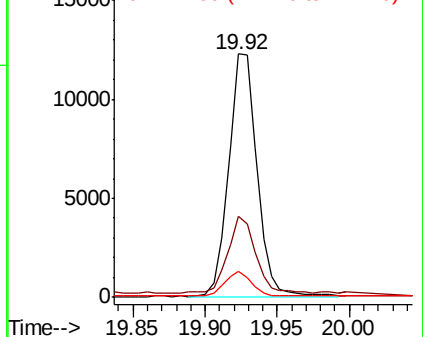
122 10.9 8.7 13.1



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: 0.419 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

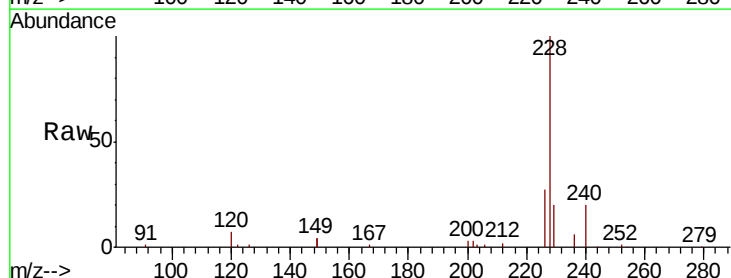
Tgt Ion:228 Resp: 25234

Ion Ratio Lower Upper

228 100

226 26.6 20.7 31.1

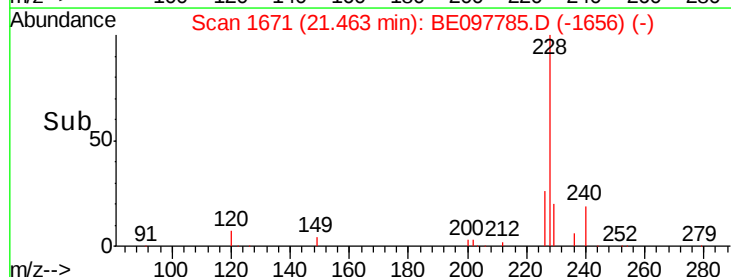
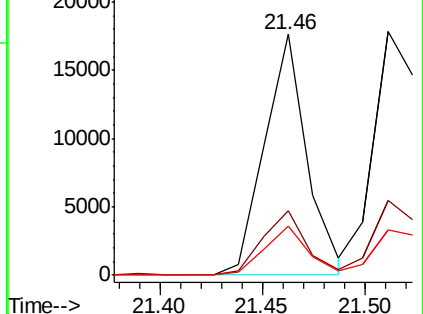
229 20.4 15.7 23.5

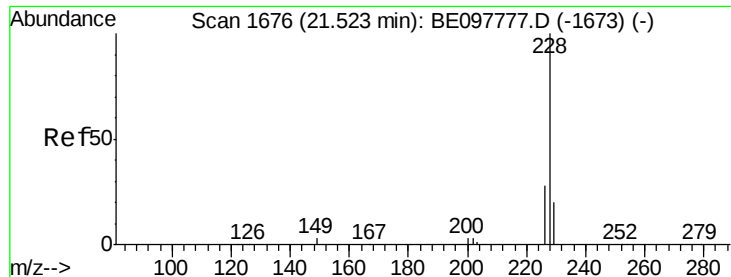


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.430 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Instrument :

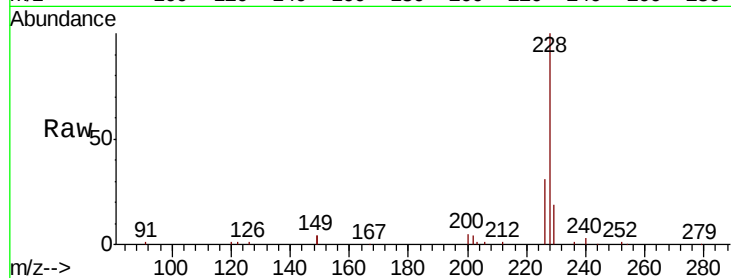
BNA_E

ClientSampleId :

PB113550BSD

Tot Ion:228 Resp: 28925

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	18.7	16.0	24.0

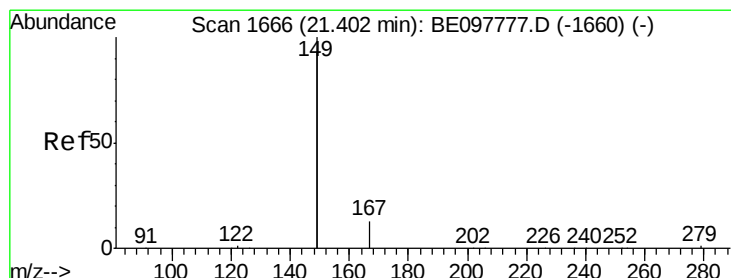
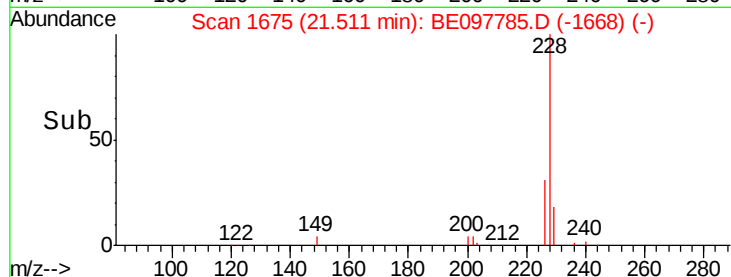
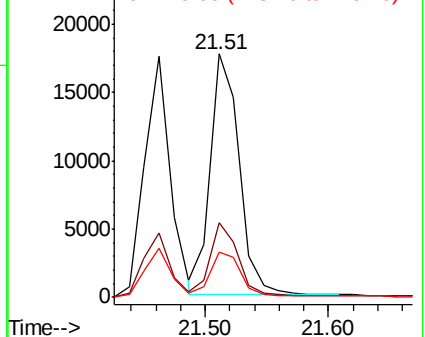


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.475 ng

RT: 21.40 min Scan# 1666

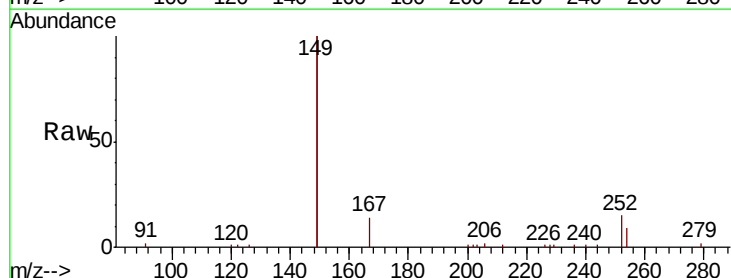
Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Tgt Ion:149 Resp: 20922

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.5	8.3
279	1.1	0.9	1.3

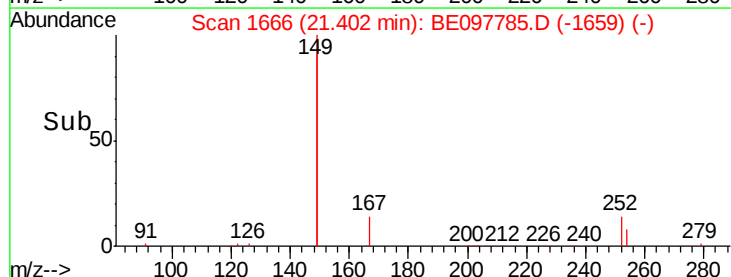
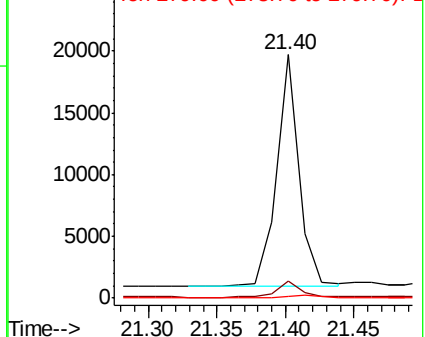


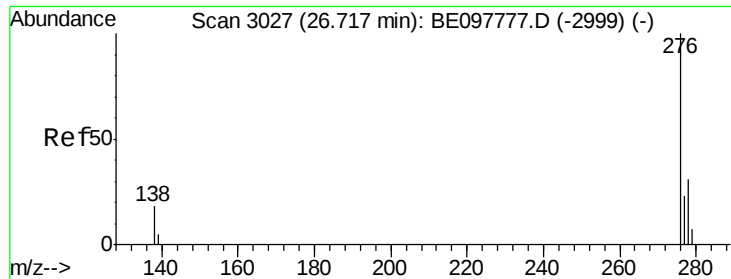
Abundance

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

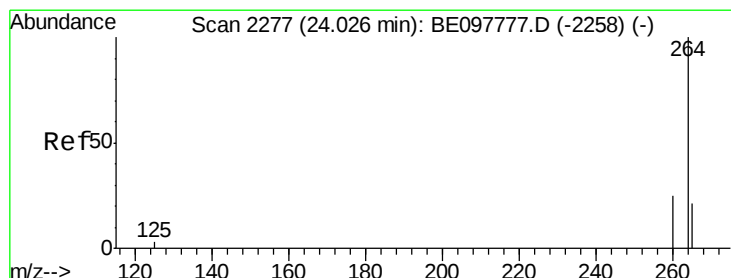
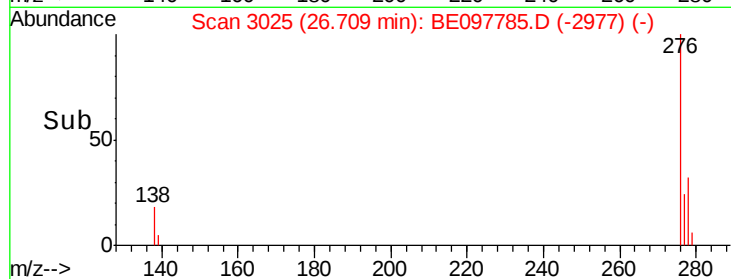
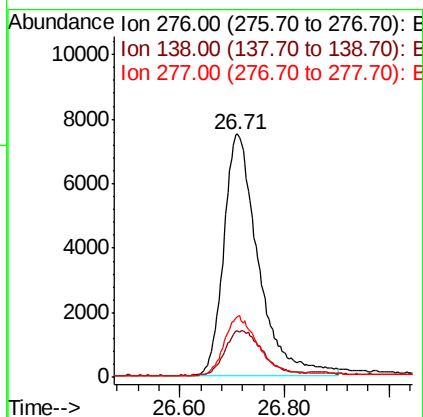
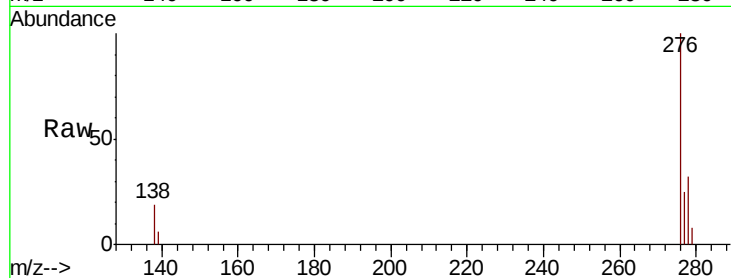




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.590 ng
RT: 26.71 min Scan# 3025
Delta R.T. -0.03 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

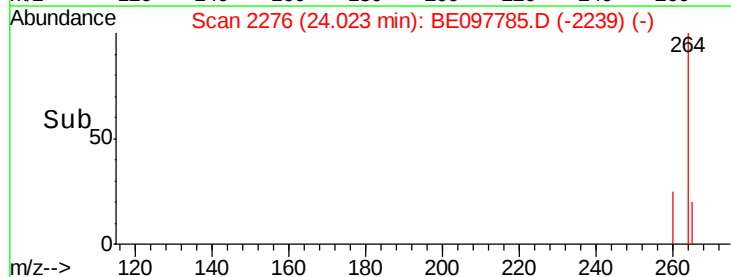
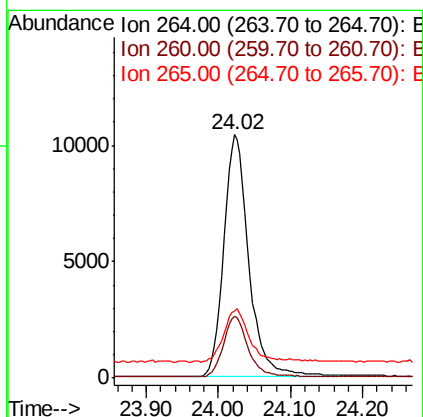
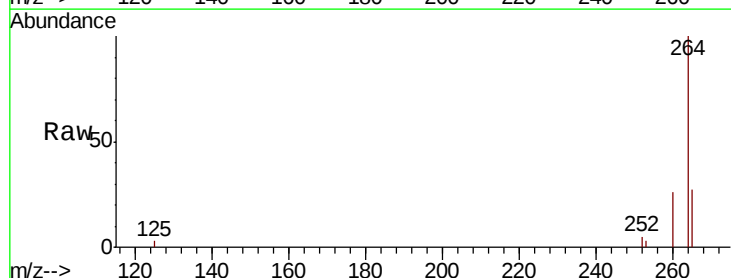
Instrument :
BNA_E
ClientSampleId :
PB113550BSD

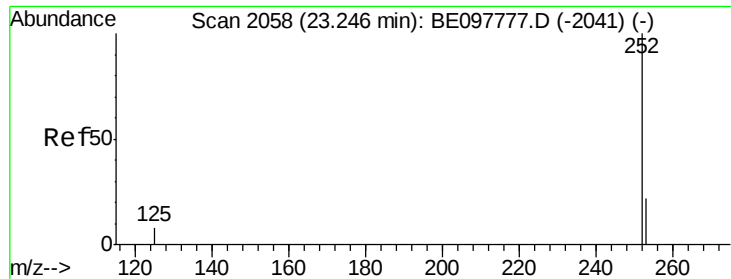
Tot Ion:276 Resp: 34451
Ion Ratio Lower Upper
276 100
138 7.9 15.0 22.6#
277 24.2 19.2 28.8



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2276
Delta R.T. -0.02 min
Lab File: BE097785.D
Acq: 6 Oct 2018 10:40

Tgt Ion:264 Resp: 24891
Ion Ratio Lower Upper
264 100
260 25.6 19.1 28.7
265 27.5 21.9 32.9





#35

Benzo(b)fluoranthene

Concen: 0.405 ng

RT: 23.24 min Scan# 2057

Delta R.T. -0.02 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

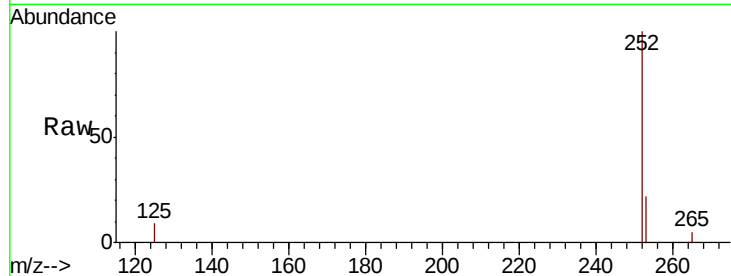
Tot Ion:252 Resp: 27658

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

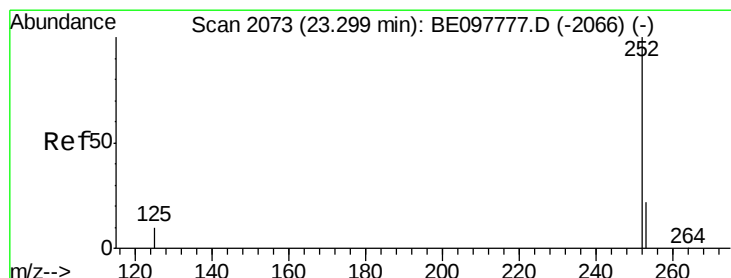
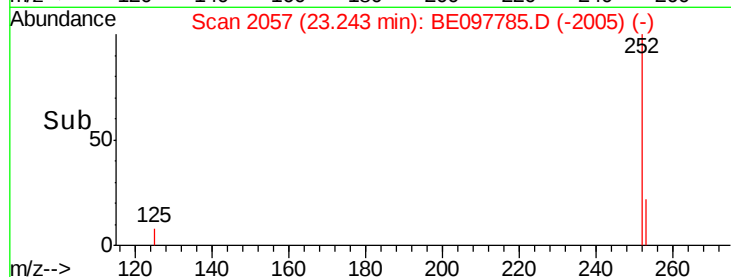
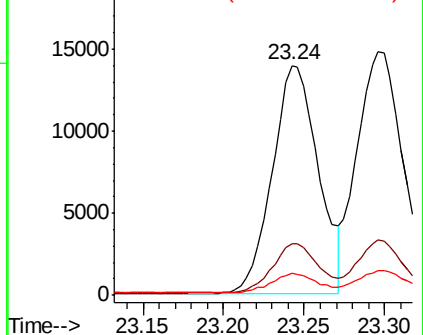
125 9.5 7.8 11.8



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: 0.402 ng

RT: 23.30 min Scan# 2072

Delta R.T. -0.01 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

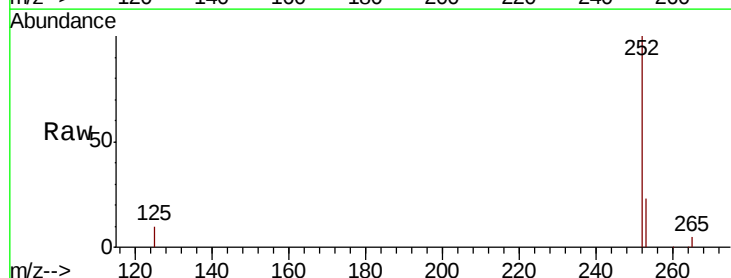
Tgt Ion:252 Resp: 30424

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

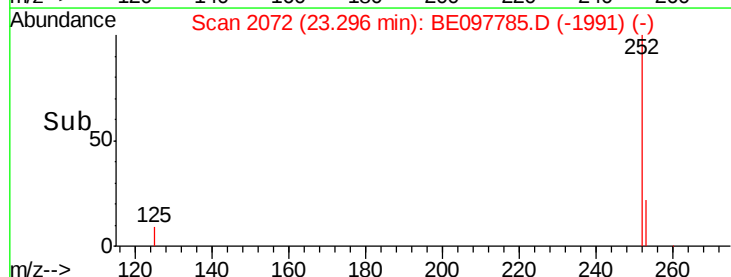
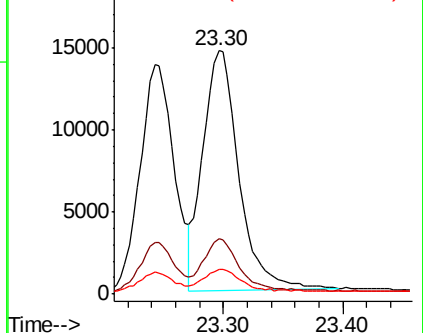
125 10.1 7.5 11.3

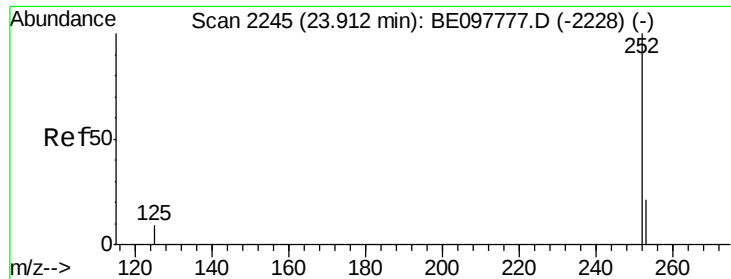


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.412 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

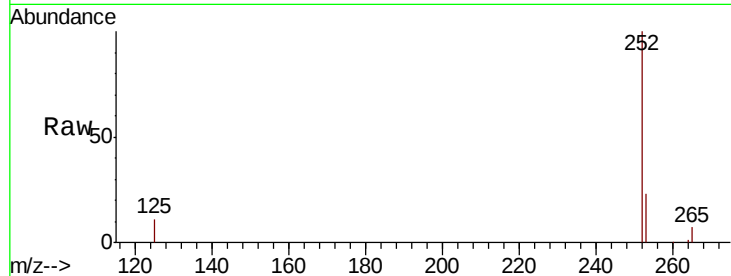
Tot Ion:252 Resp: 25504

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

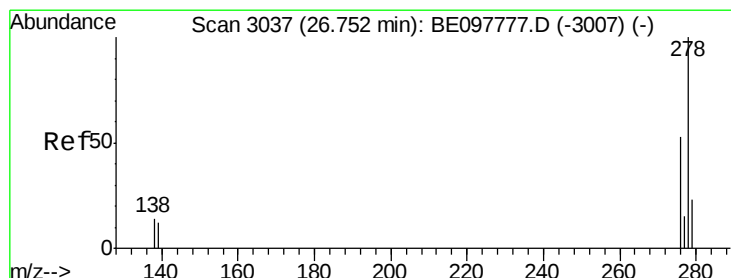
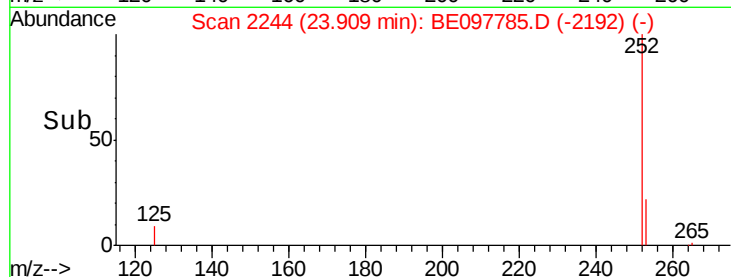
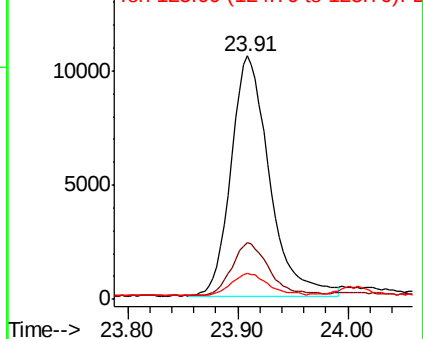
125 10.7 8.3 12.5



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: 0.479 ng

RT: 26.74 min Scan# 3034

Delta R.T. -0.03 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

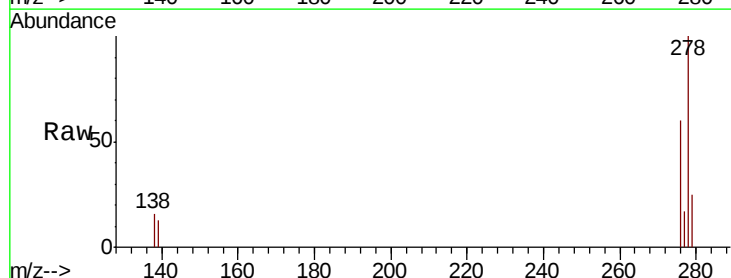
Tgt Ion:278 Resp: 29154

Ion Ratio Lower Upper

278 100

139 13.4 10.3 15.5

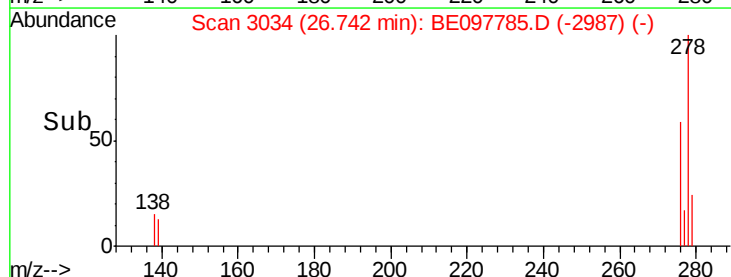
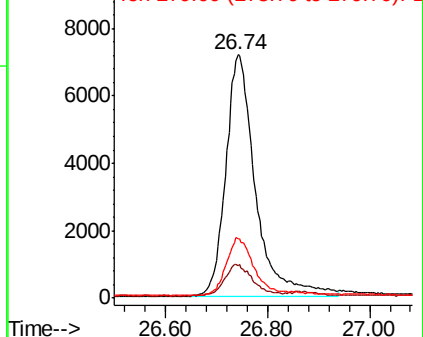
279 24.6 18.4 27.6

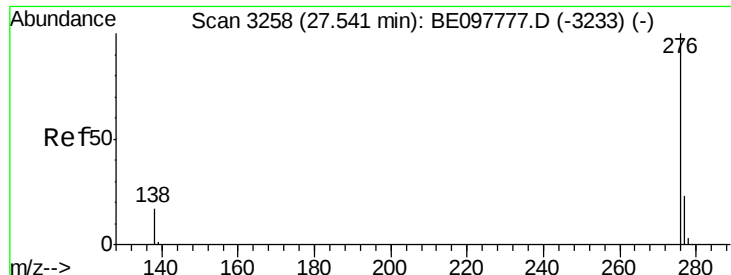


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.488 ng

RT: 27.53 min Scan# 3255

Delta R.T. -0.03 min

Lab File: BE097785.D

Acq: 6 Oct 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB113550BSD

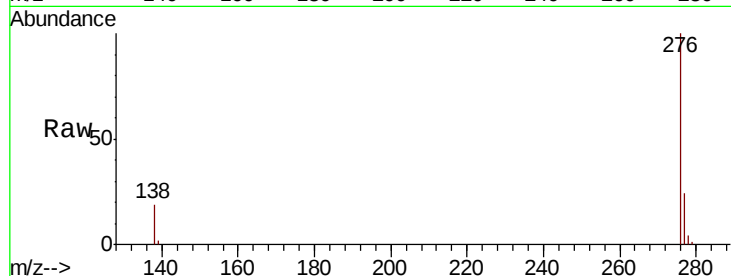
Tot Ion: 276 Resp: 31078

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 18.7 14.2 21.2



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

