

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100818\
 Data File : BE097800.D
 Acq On : 8 Oct 2018 19:19
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Oct 09 06:58:40 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	7.89	152	3705	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	15996	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	9554	0.40	ng	-0.02
19) Phenanthrene-d10	17.29	188	25853	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	30877	0.40	ng	-0.01
34) Perylene-d12	24.02	264	27714	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	3297	0.38	ng	-0.01
5) Phenol-d6	7.04	99	4711	0.35	ng	-0.01
8) Nitrobenzene-d5	9.03	82	3229	0.62	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	9864	0.39	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	747	0.43	ng	-0.01
15) 2-Fluorobiphenyl	13.17	172	15100	0.36	ng	-0.02
25) Fluoranthene-d10	19.32	212	119254	0.36	ng	-0.01
29) Terphenyl-d14	19.92	244	25293	0.40	ng	-0.01

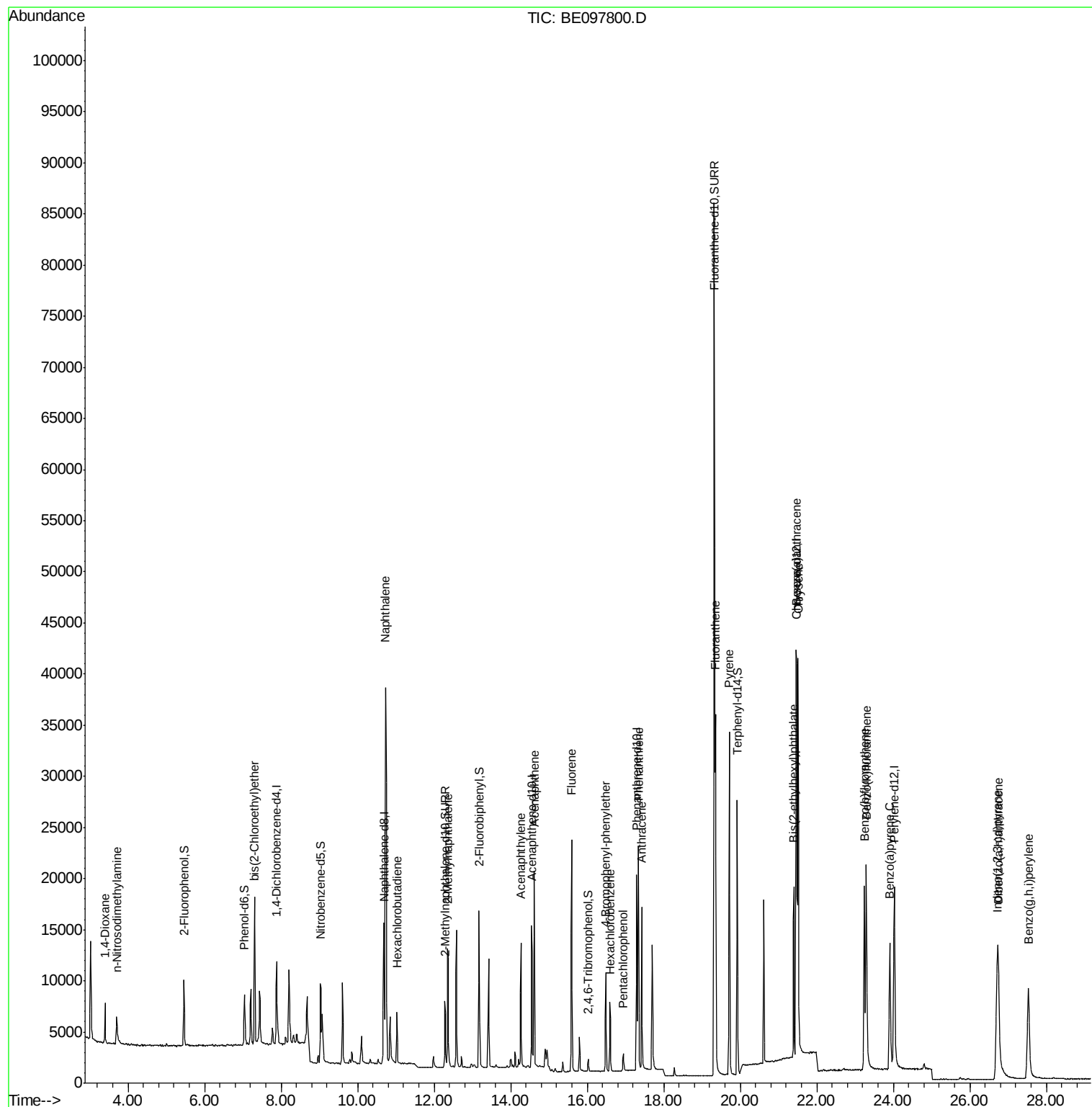
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	2796	0.379	ng	98
3) n-Nitrosodimethylamine	3.71	42	2406	0.358	ng	# 90
6) bis(2-Chloroethyl)ether	7.31	93	5332	0.384	ng	99
9) Naphthalene	10.73	128	61953	0.384	ng	100
10) Hexachlorobutadiene	11.03	225	3328	0.389	ng	99
12) 2-Methylnaphthalene	12.35	142	9904	0.384	ng	93
16) Acenaphthylene	14.27	152	14668	0.347	ng	99
17) Acenaphthene	14.62	154	10077	0.372	ng	99
18) Fluorene	15.59	166	12961	0.360	ng	99
20) 4-Bromophenyl-phenylether	16.49	248	5121	0.378	ng	95
21) Hexachlorobenzene	16.60	284	5608	0.368	ng	98
22) Pentachlorophenol	16.94	266	1079	0.451	ng	91
23) Phenanthrene	17.34	178	24790	0.372	ng	99
24) Anthracene	17.42	178	20056	0.349	ng	98
26) Fluoranthene	19.35	202	31007	0.365	ng	100
28) Pyrene	19.71	202	31719	0.404	ng	100
30) Benzo(a)anthracene	21.46	228	30165	0.363	ng	100
31) Chrysene	21.51	228	35900	0.387	ng	99
32) Bis(2-ethylhexyl)phthalate	21.40	149	22137	0.365	ng	100
33) Indeno(1,2,3-cd)pyrene	26.71	276	27208	0.338	ng	97
35) Benzo(b)fluoranthene	23.24	252	26789	0.352	ng	98
36) Benzo(k)fluoranthene	23.29	252	32917	0.390	ng	99
37) Benzo(a)pyrene	23.91	252	23408	0.340	ng	99
38) Dibenzo(a,h)anthracene	26.74	278	23443	0.346	ng	97
39) Benzo(g,h,i)perylene	27.53	276	25568	0.360	ng	98

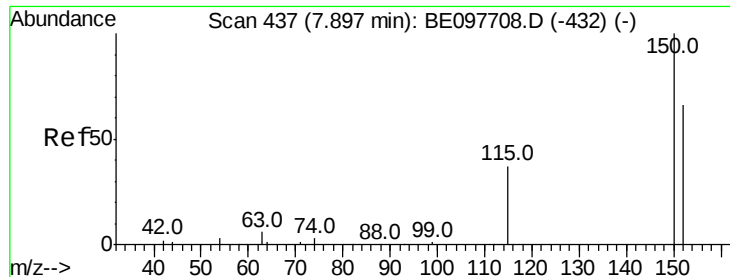
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.89 min Scan# 436

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

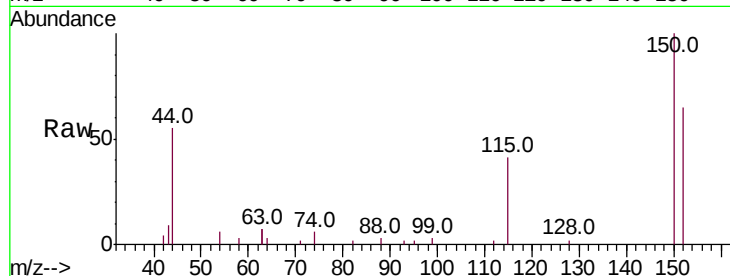
Tot Ion:152 Resp: 3705

Ion Ratio Lower Upper

152 100

150 153.0 120.9 181.3

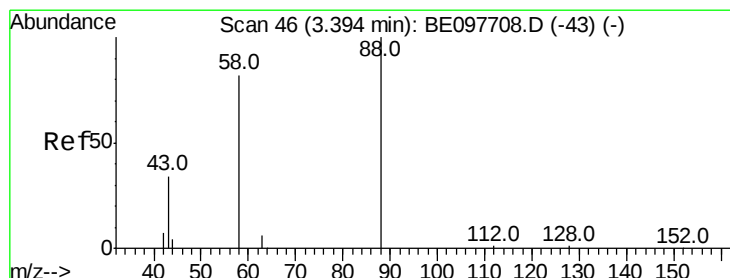
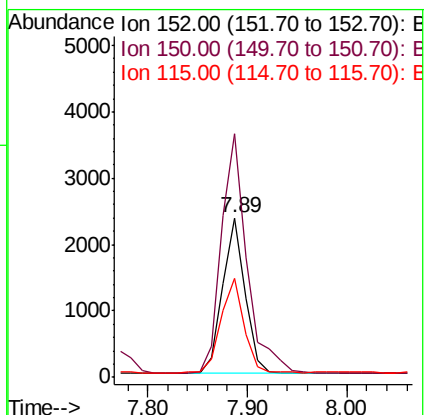
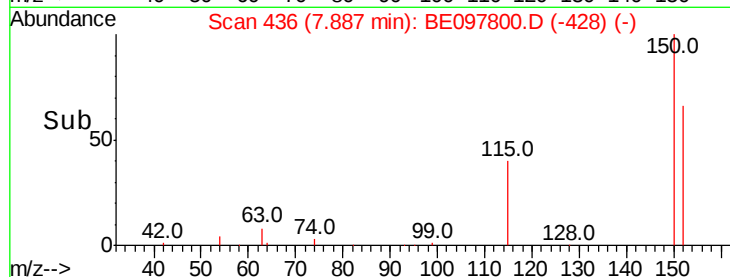
115 62.3 46.6 69.8



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: 0.379 ng

RT: 3.40 min Scan# 46

Delta R.T. 0.00 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

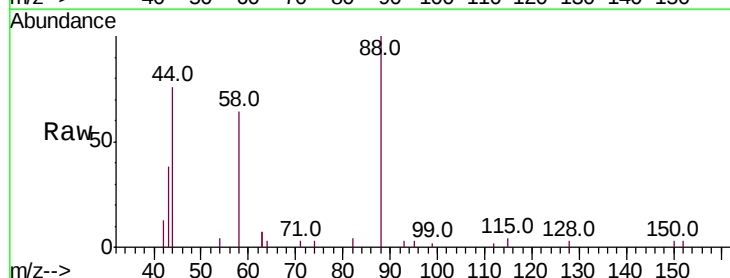
Tgt Ion: 88 Resp: 2796

Ion Ratio Lower Upper

88 100

58 90.2 70.8 106.2

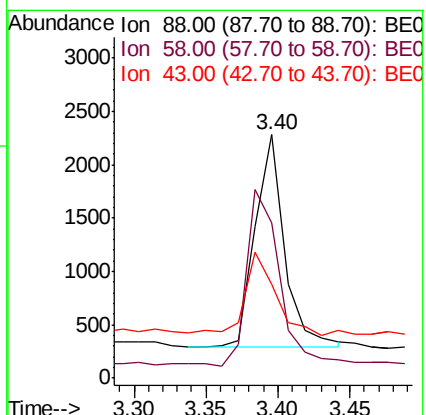
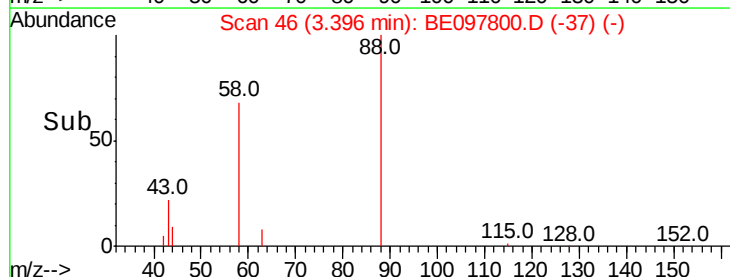
43 41.1 33.3 49.9

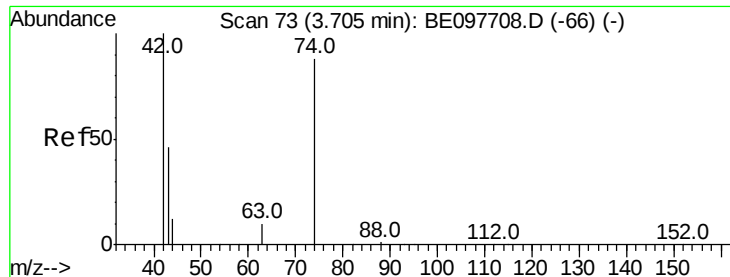


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.358 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.00 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

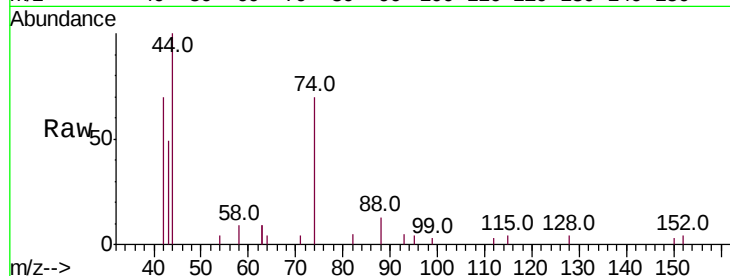
Tot Ion: 42 Resp: 2406

Ion Ratio Lower Upper

42 100

74 91.4 70.7 106.1

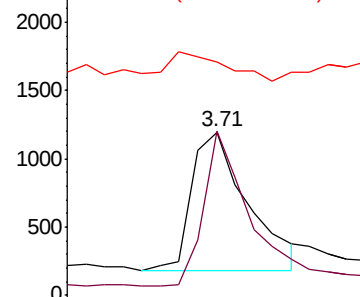
44 0.0 15.0 22.4#



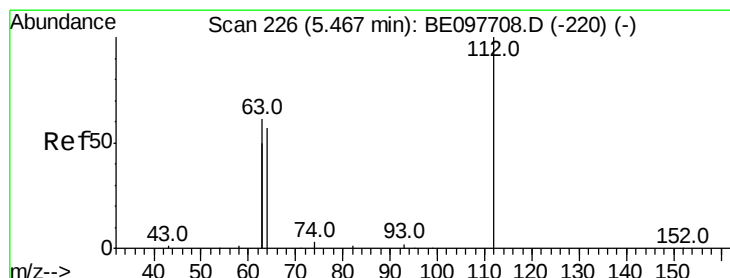
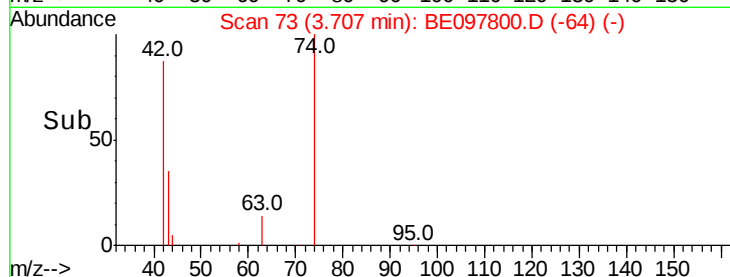
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.376 ng

RT: 5.46 min Scan# 225

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

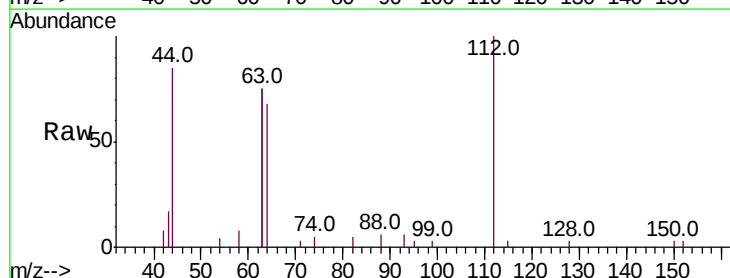
Tgt Ion: 112 Resp: 3297

Ion Ratio Lower Upper

112 100

64 68.3 56.6 84.8

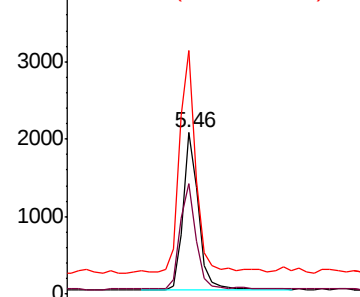
63 144.7 119.4 179.0



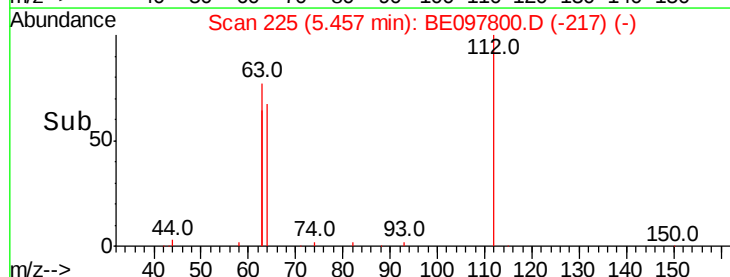
Abundance Ion 112.00 (111.70 to 112.70): E

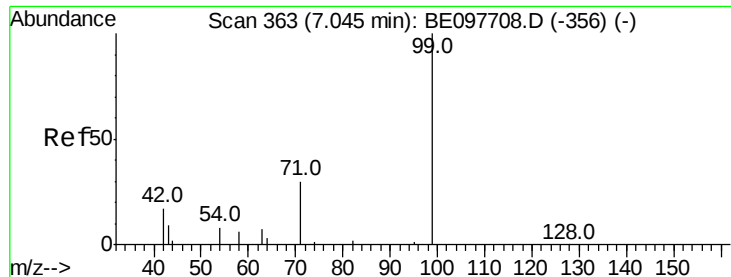
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.351 ng

RT: 7.04 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

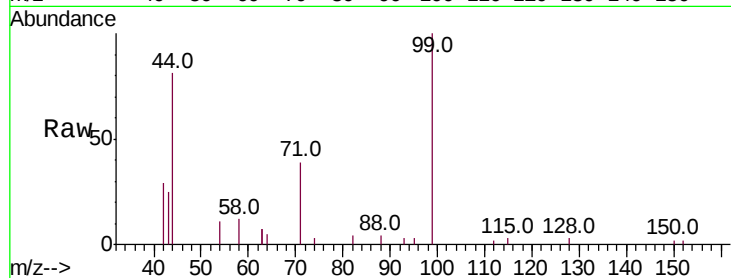
Tot Ion: 99 Resp: 4711

Ion Ratio Lower Upper

99 100

42 24.5 19.9 29.9

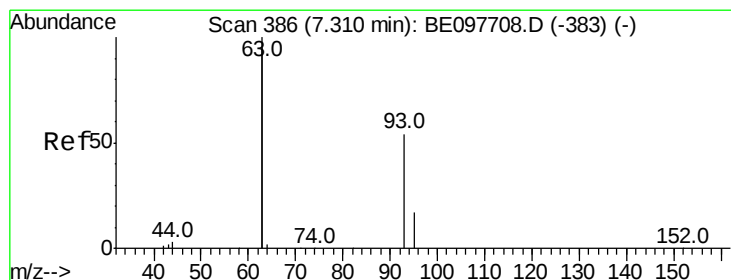
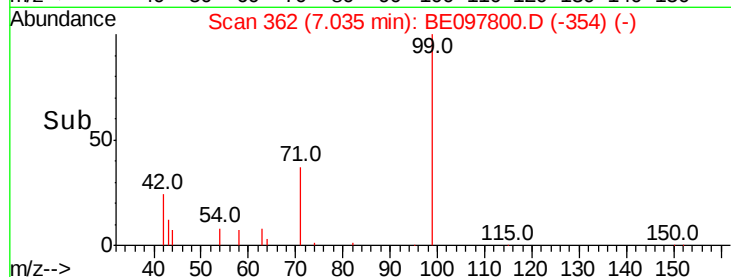
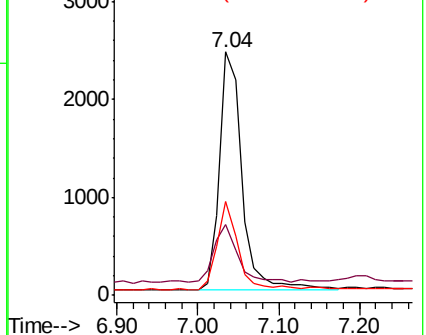
71 36.1 25.4 38.2



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: 0.384 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

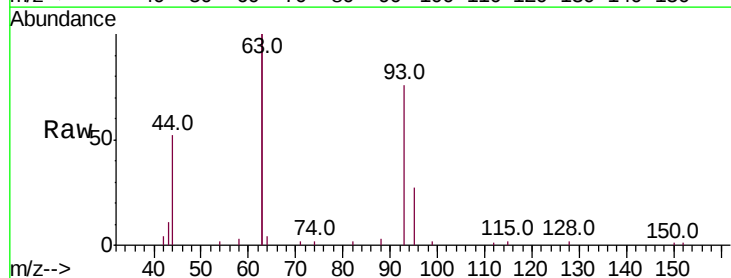
Tgt Ion: 93 Resp: 5332

Ion Ratio Lower Upper

93 100

63 331.7 266.9 400.3

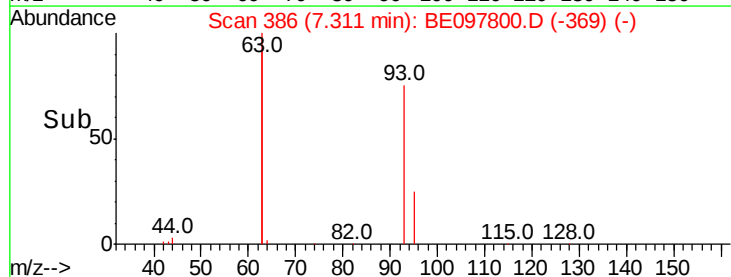
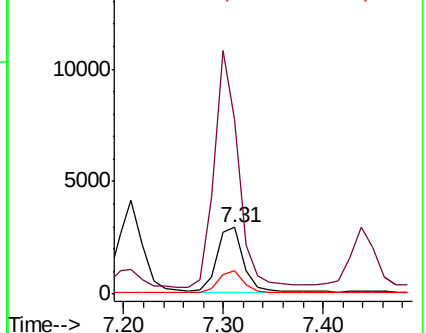
95 32.8 26.2 39.2

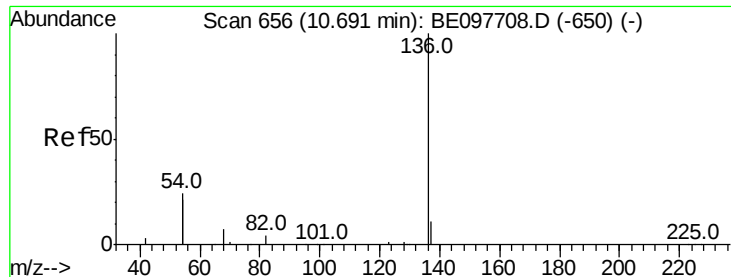


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 15996

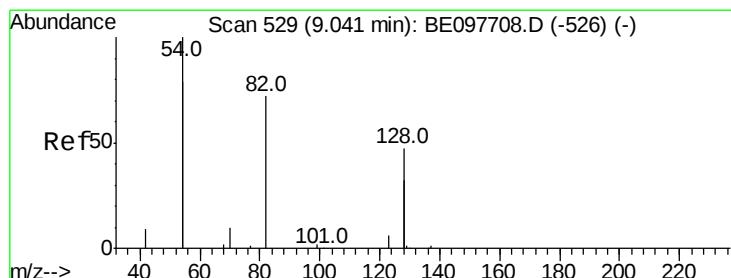
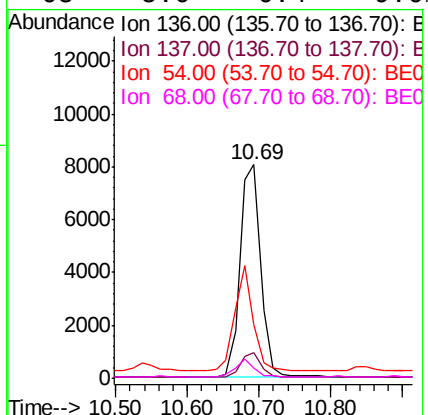
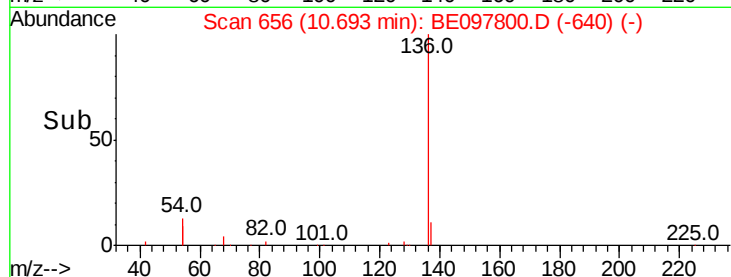
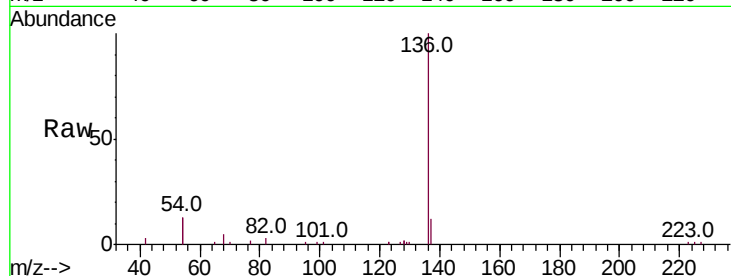
Ion Ratio Lower Upper

136 100

137 12.0 9.0 13.4

54 25.1 37.8 56.6#

68 5.0 6.4 9.6#



#8

Nitrobenzene-d5

Concen: 0.622 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

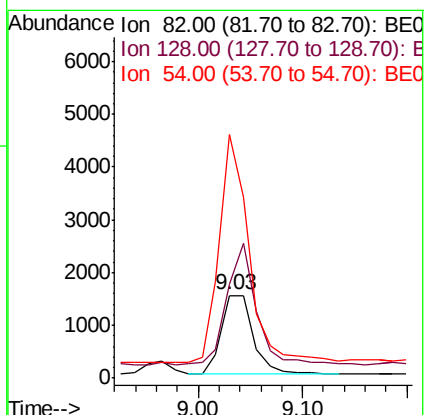
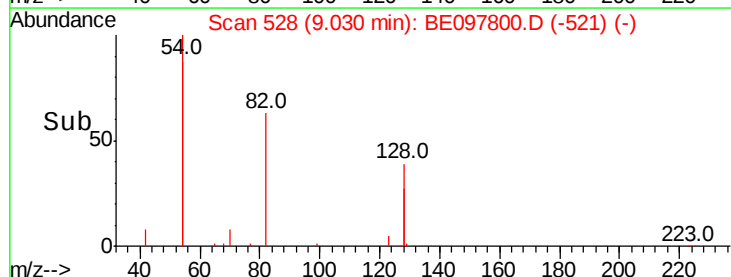
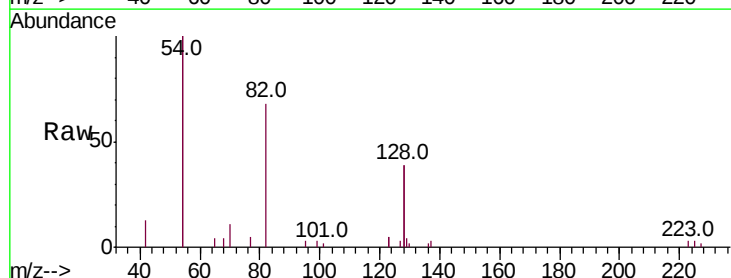
Tgt Ion: 82 Resp: 3229

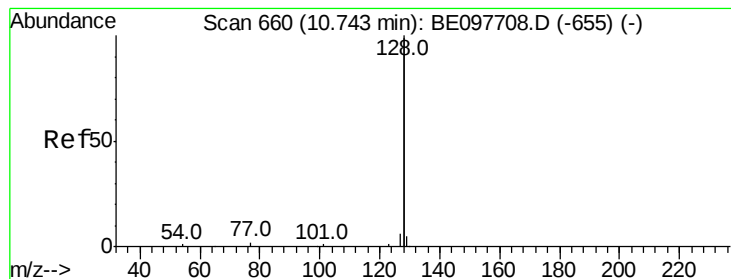
Ion Ratio Lower Upper

82 100

128 113.8 97.0 145.4

54 293.5 206.9 310.3





#9

Naphthalene

Concen: 0.384 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

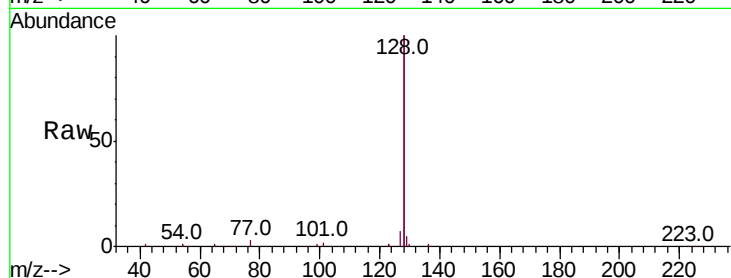
BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:128 Resp: 61953

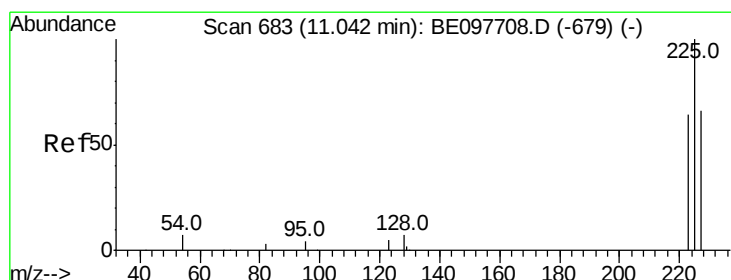
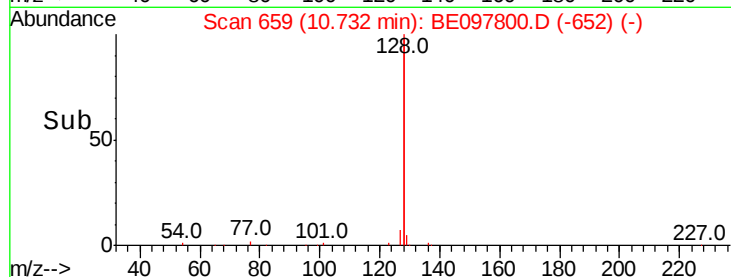
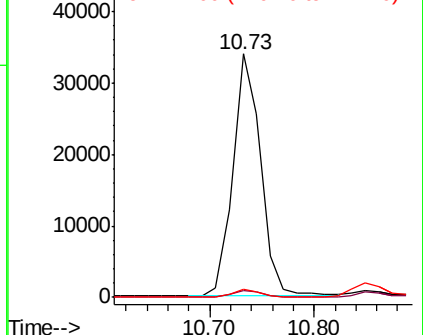
Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.2	3.2
127	3.6	2.7	4.1



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: 0.389 ng

RT: 11.03 min Scan# 682

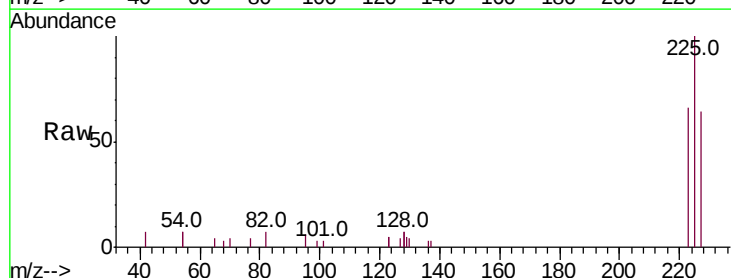
Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Tgt Ion:225 Resp: 3328

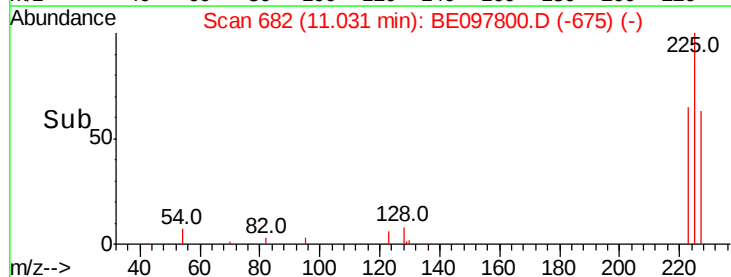
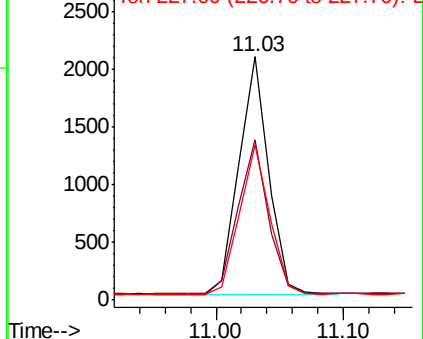
Ion	Ratio	Lower	Upper
225	100		
223	65.8	52.2	78.4
227	64.3	51.2	76.8

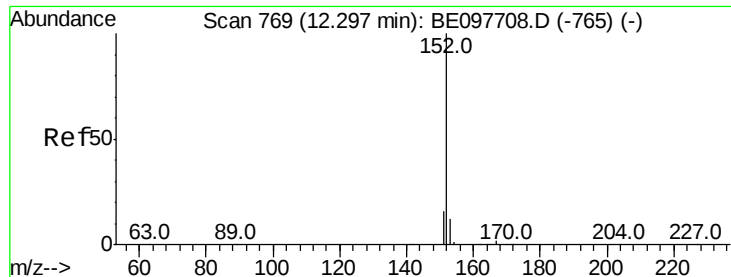


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.388 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

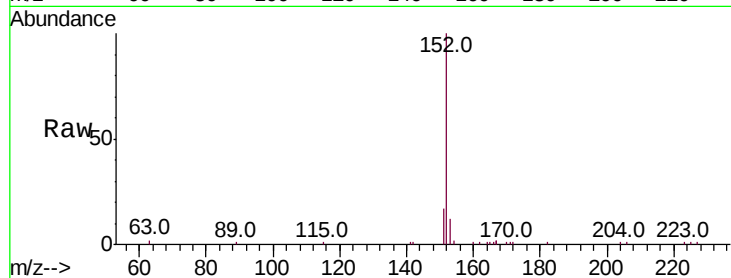
SSTDCCC0.4EC

Tot Ion:152 Resp: 9864

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

6000

5000

4000

3000

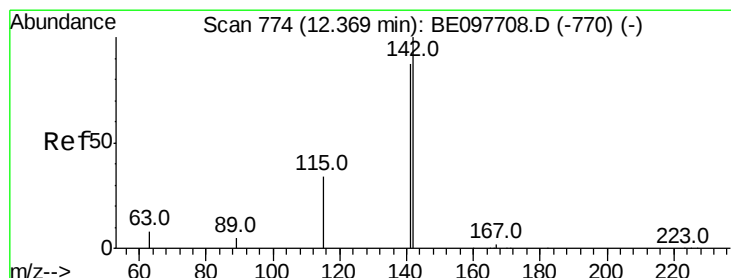
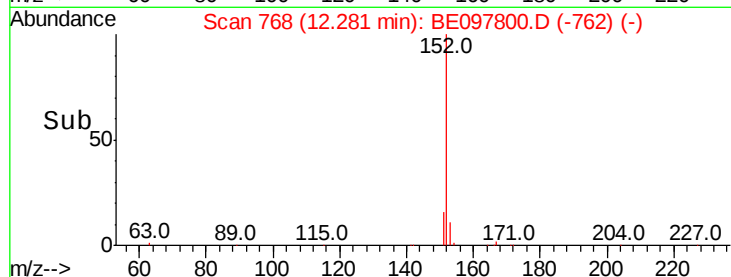
2000

1000

0

Time-->

12.20 12.40



#12

2-Methylnaphthalene

Concen: 0.384 ng

RT: 12.35 min Scan# 773

Delta R.T. -0.02 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

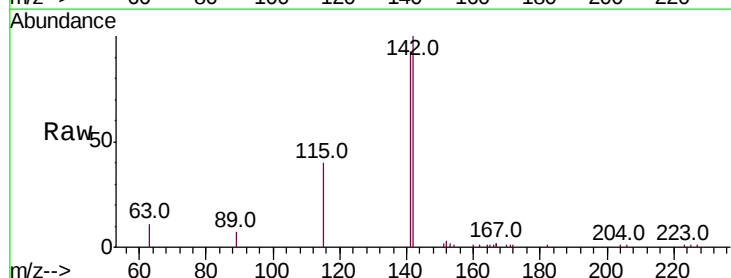
Tgt Ion:142 Resp: 9904

Ion Ratio Lower Upper

142 100

141 93.0 69.4 104.2

115 39.9 28.0 42.0



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

6000

5000

4000

3000

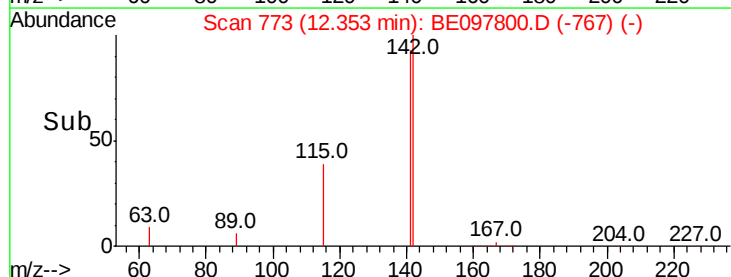
2000

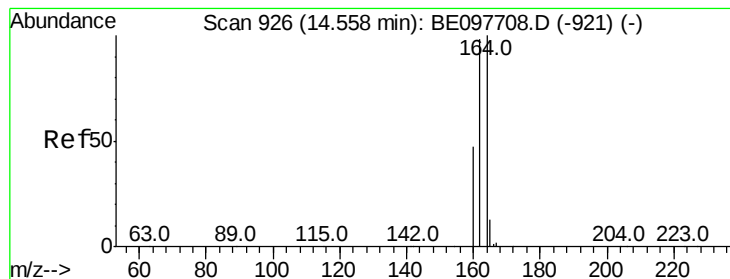
1000

0

Time-->

12.30 12.35 12.40





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.02 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

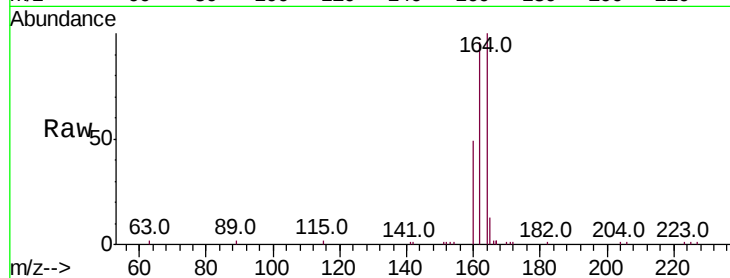
Tot Ion:164 Resp: 9554

Ion Ratio Lower Upper

164 100

162 95.6 78.6 117.8

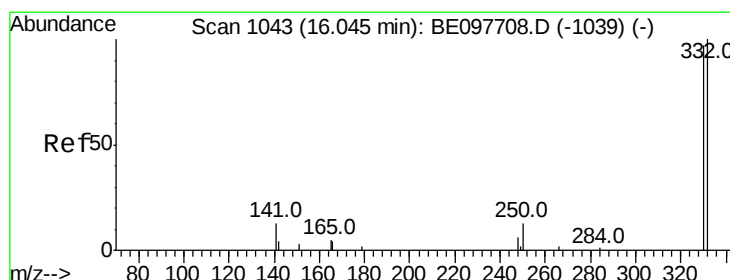
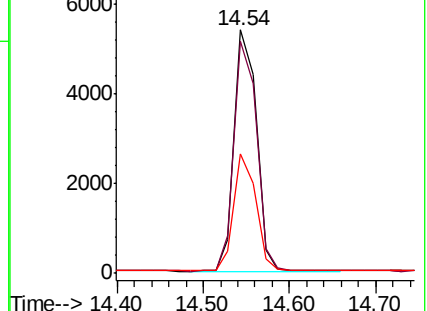
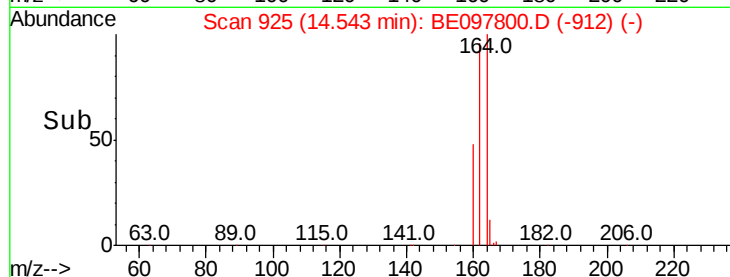
160 48.8 37.8 56.6



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: 0.431 ng

RT: 16.03 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

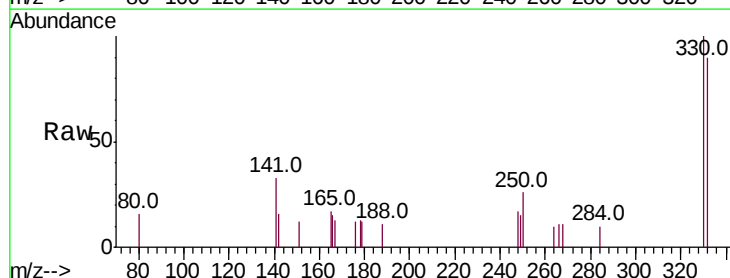
Tgt Ion:330 Resp: 747

Ion Ratio Lower Upper

330 100

332 92.6 83.5 125.3

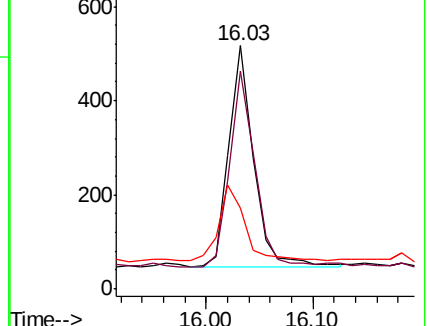
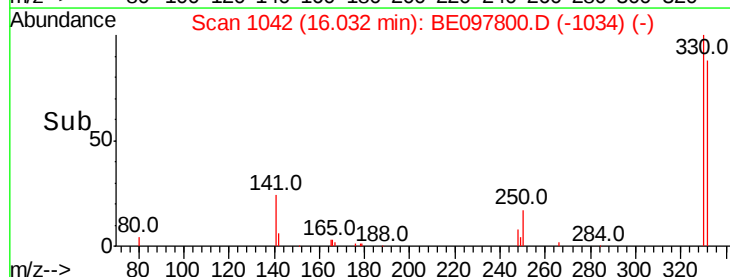
141 37.3 34.9 52.3

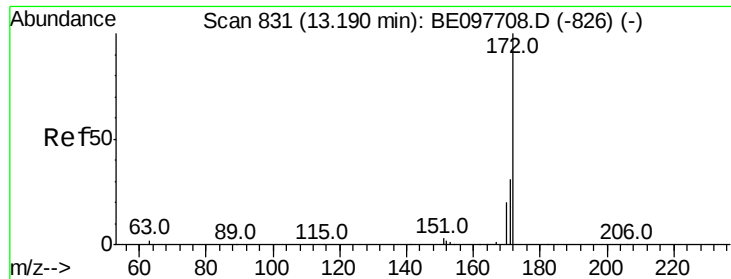


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

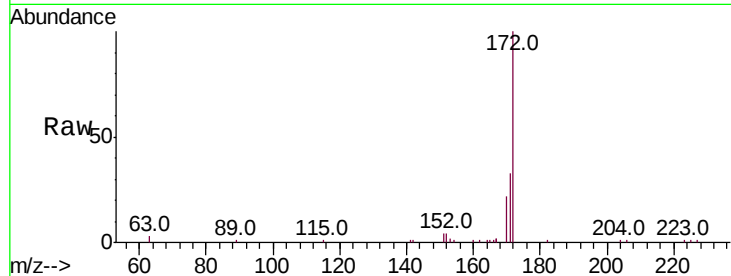




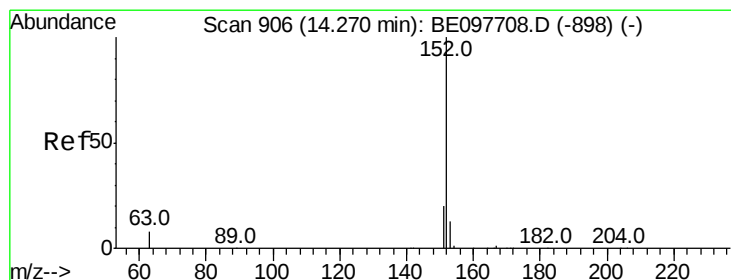
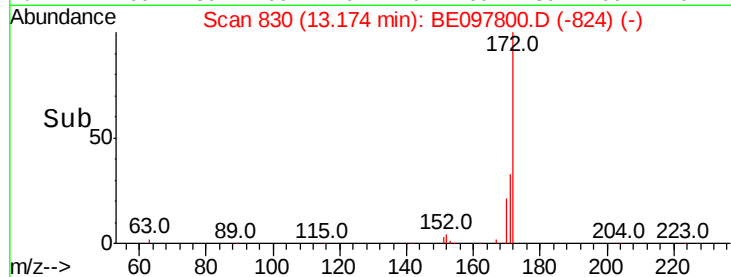
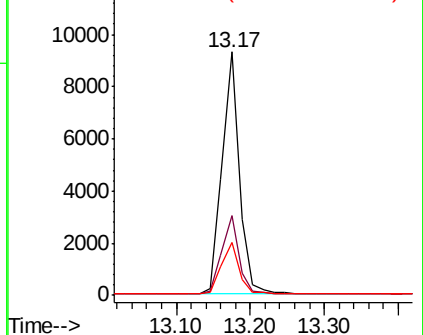
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.02 min
Lab File: BE097800.D
Acq: 8 Oct 2018 19:19

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:172 Resp: 15100
Ion Ratio Lower Upper
172 100
171 33.0 25.2 37.8
170 21.6 16.2 24.2

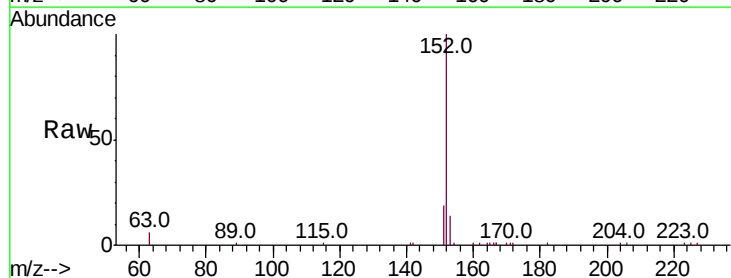


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

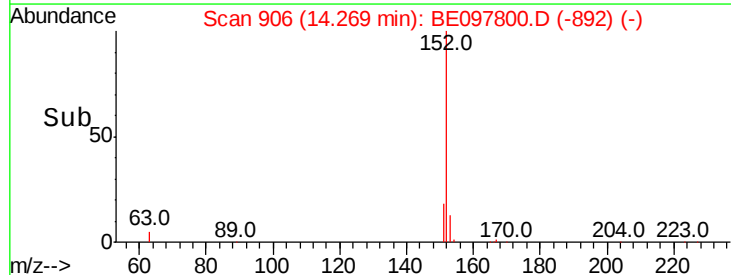
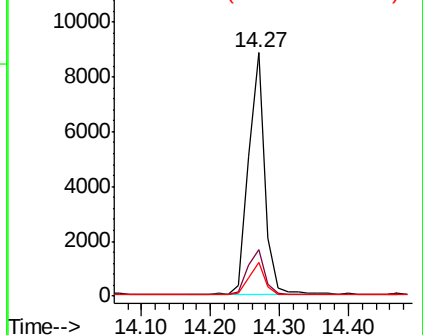


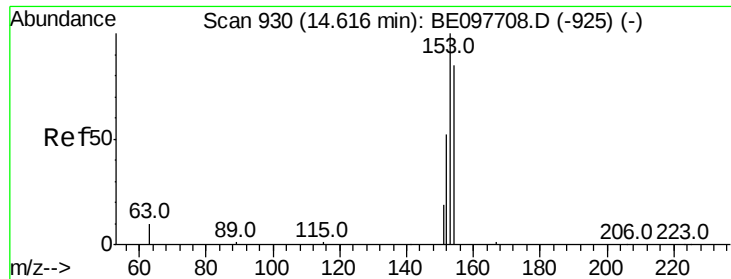
#16
Acenaphthylene
Concen: 0.347 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097800.D
Acq: 8 Oct 2018 19:19

Tgt Ion:152 Resp: 14668
Ion Ratio Lower Upper
152 100
151 19.6 15.3 22.9
153 12.9 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

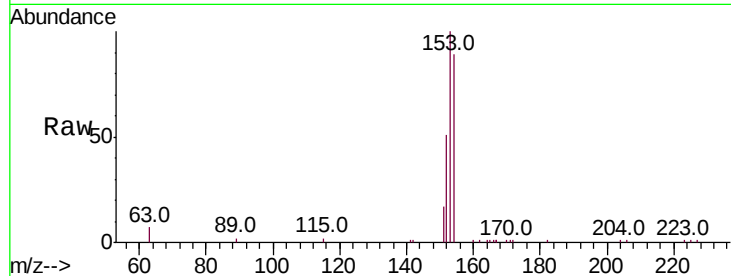




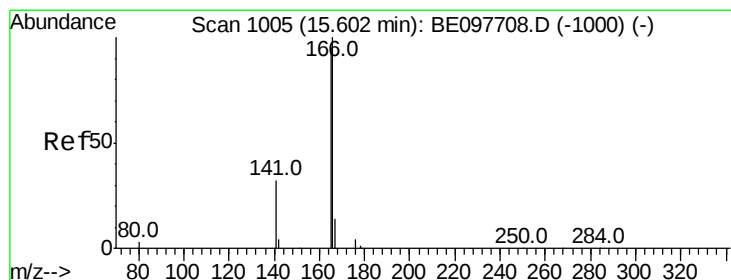
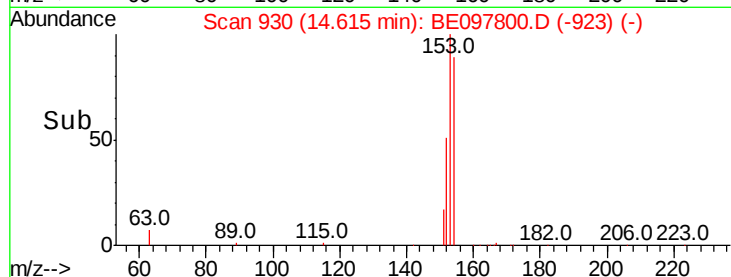
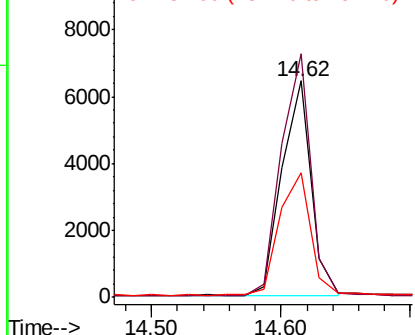
#17
Acenaphthene
Concen: 0.372 ng
RT: 14.62 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097800.D
Acq: 8 Oct 2018 19:19

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:154 Resp: 10077
Ion Ratio Lower Upper
154 100
153 114.3 93.3 139.9
152 60.8 48.9 73.3

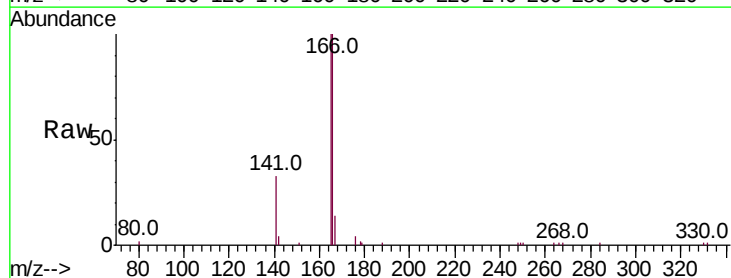


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

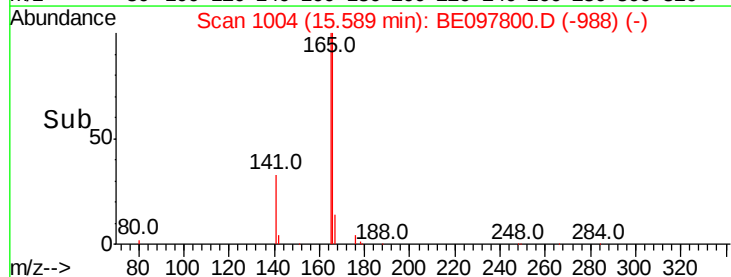
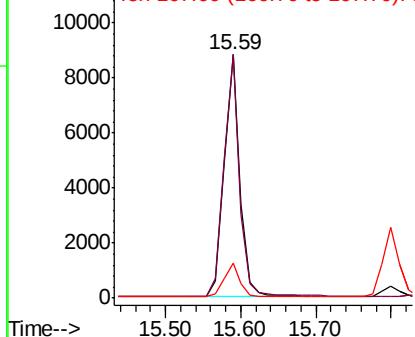


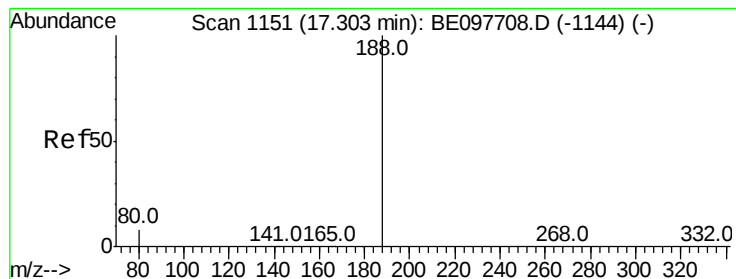
#18
Fluorene
Concen: 0.360 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE097800.D
Acq: 8 Oct 2018 19:19

Tgt Ion:166 Resp: 12961
Ion Ratio Lower Upper
166 100
165 99.7 79.0 118.4
167 14.1 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: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

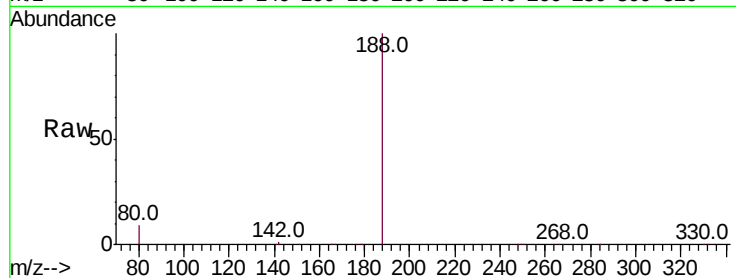
Tot Ion:188 Resp: 25853

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

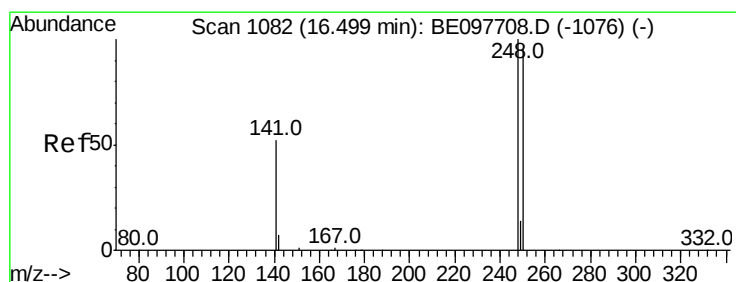
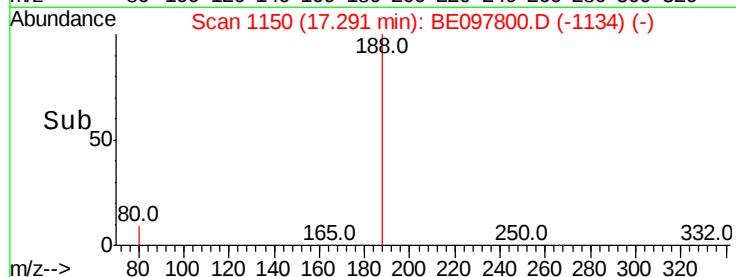
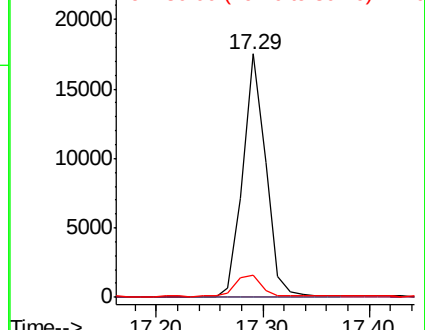
80 9.3 6.6 9.8



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: 0.378 ng

RT: 16.49 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

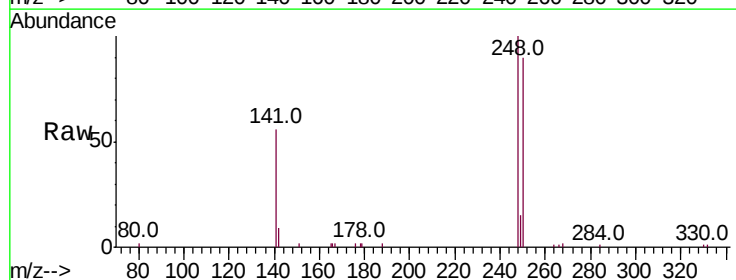
Tgt Ion:248 Resp: 5121

Ion Ratio Lower Upper

248 100

250 89.8 76.1 114.1

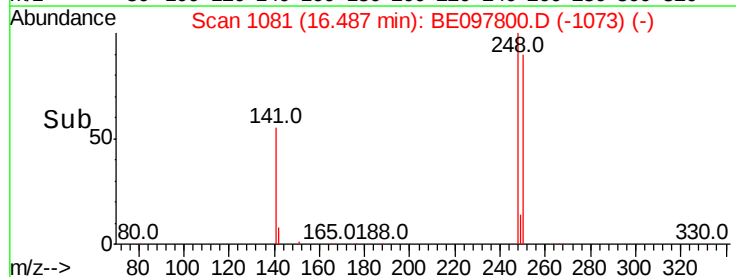
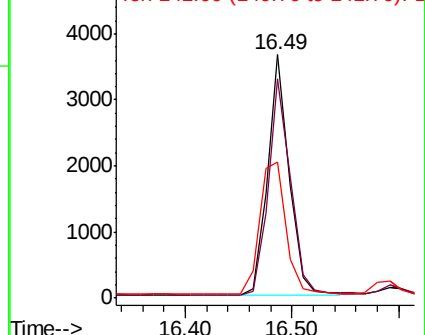
141 55.9 42.2 63.4

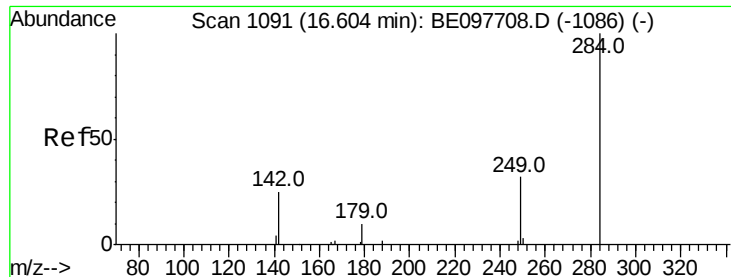


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

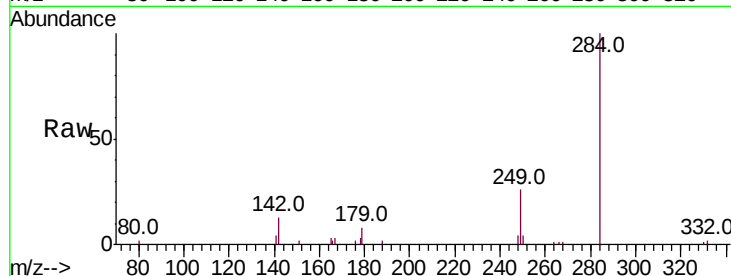




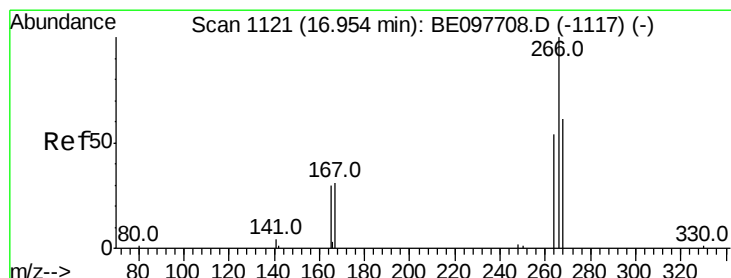
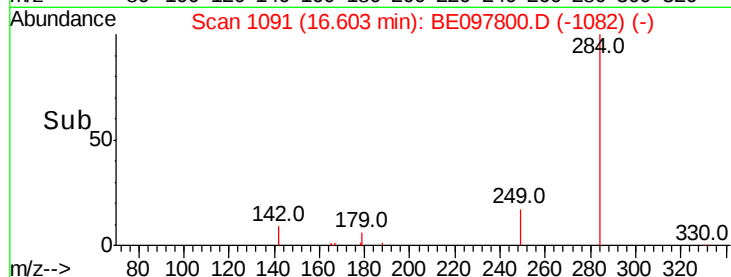
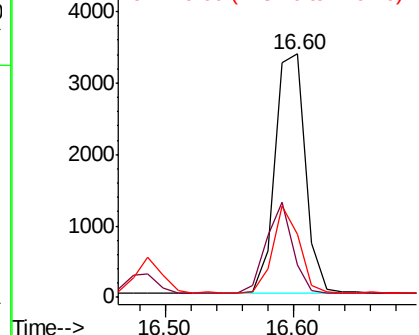
#21
Hexachlorobenzene
Concen: 0.368 ng
RT: 16.60 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE097800.D
Acq: 8 Oct 2018 19:19

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:284 Resp: 5608
Ion Ratio Lower Upper
284 100
142 32.6 24.9 37.3
249 32.0 25.8 38.8

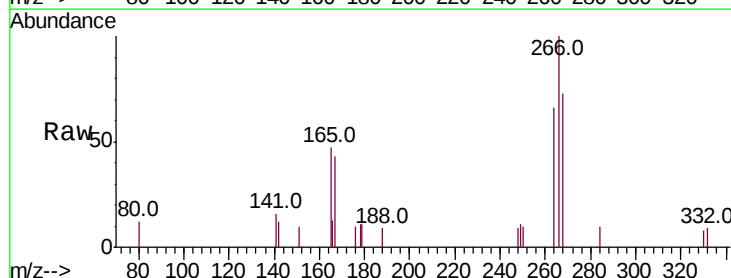


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

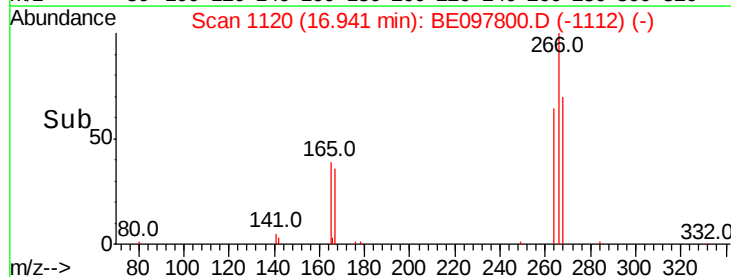
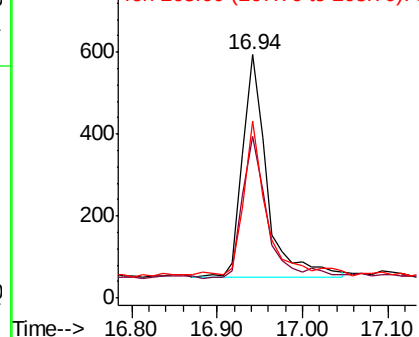


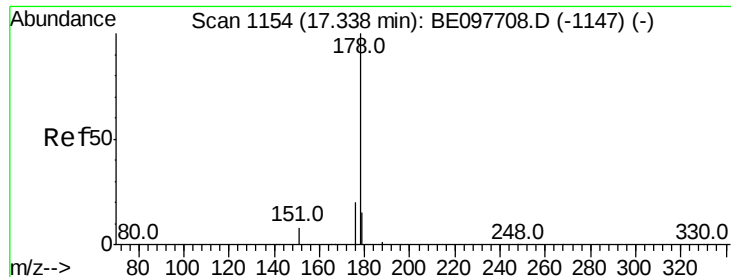
#22
Pentachlorophenol
Concen: 0.451 ng
RT: 16.94 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BE097800.D
Acq: 8 Oct 2018 19:19

Tgt Ion:266 Resp: 1079
Ion Ratio Lower Upper
266 100
264 66.5 46.8 70.2
268 72.7 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: 0.372 ng

RT: 17.34 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

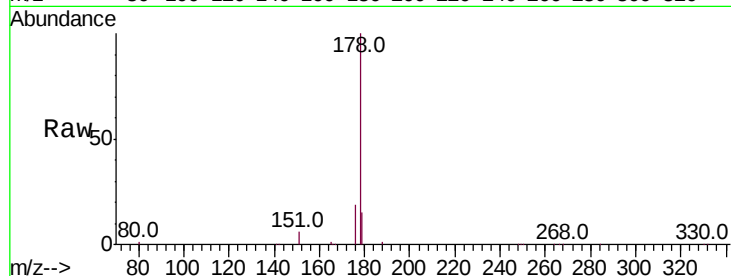
Tot Ion:178 Resp: 24790

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

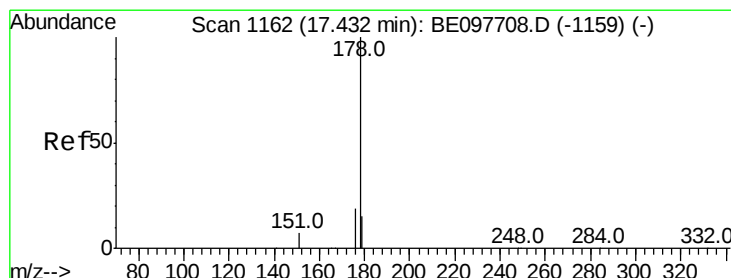
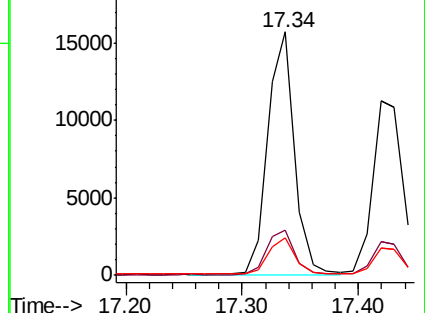
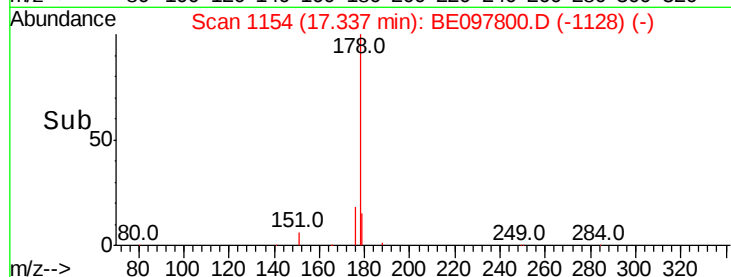
179 15.1 12.2 18.4



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: 0.349 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

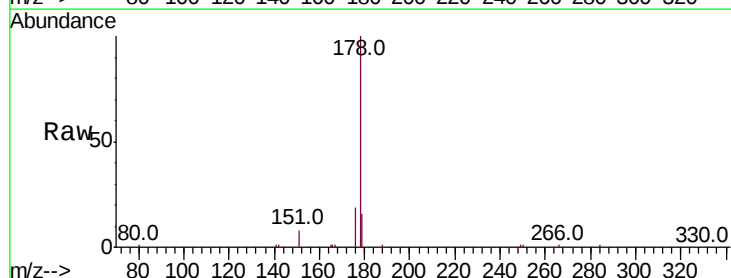
Tgt Ion:178 Resp: 20056

Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

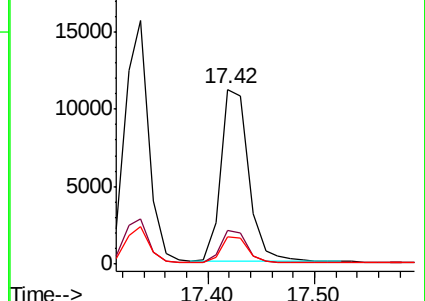
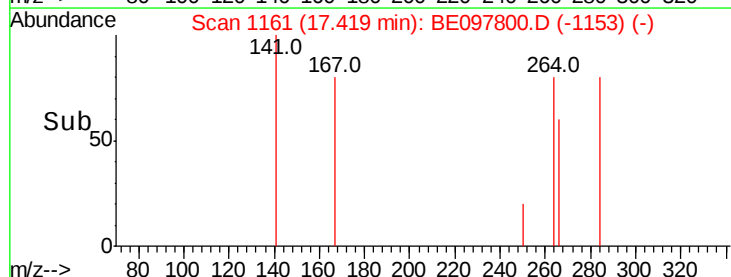
179 15.7 12.2 18.2

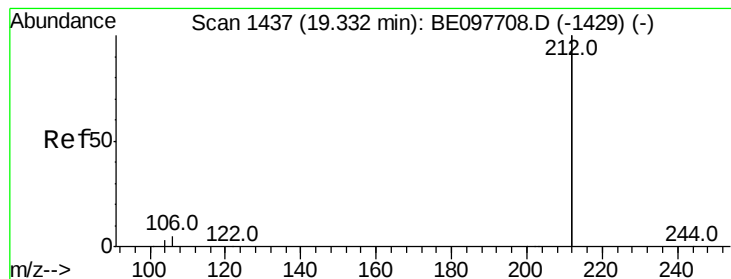


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.364 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

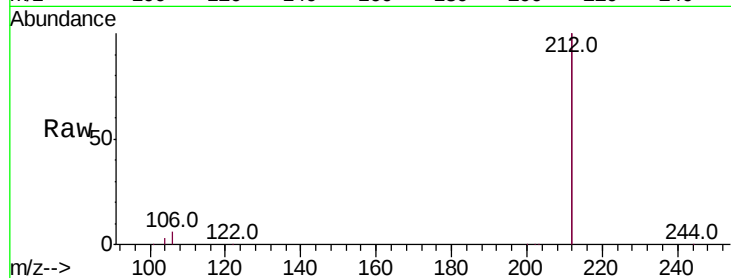
Tot Ion:212 Resp: 119254

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

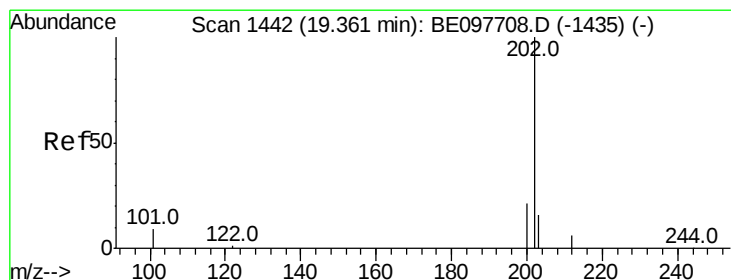
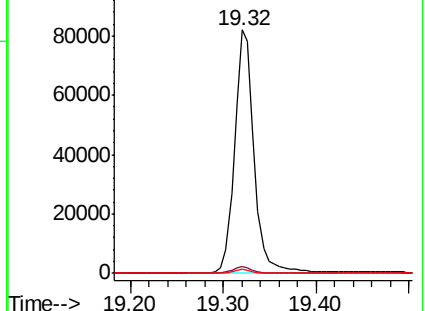
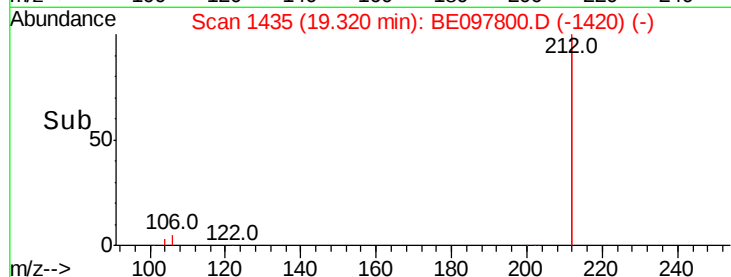
104 1.4 1.2 1.8



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.365 ng

RT: 19.35 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

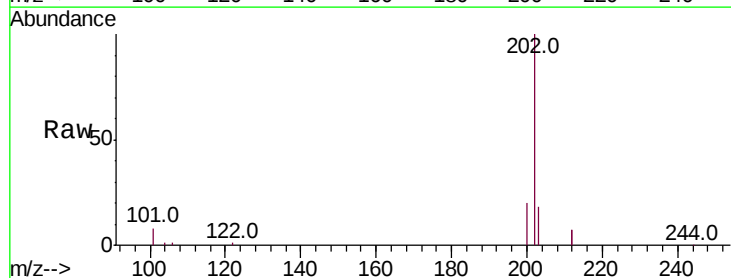
Tgt Ion:202 Resp: 31007

Ion Ratio Lower Upper

202 100

101 9.9 7.8 11.8

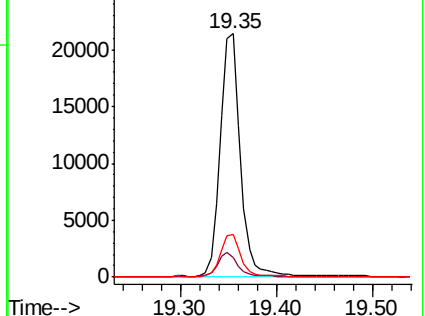
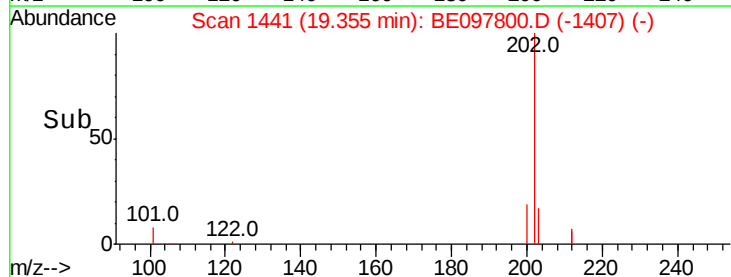
203 17.3 13.8 20.6

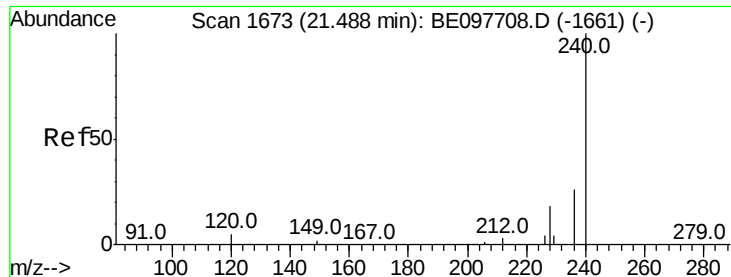


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

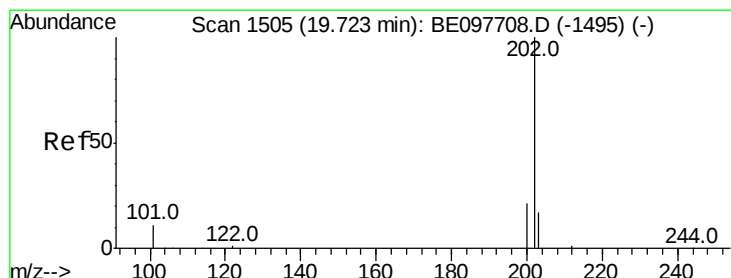
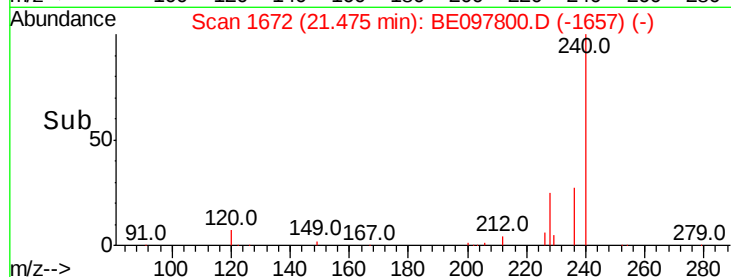
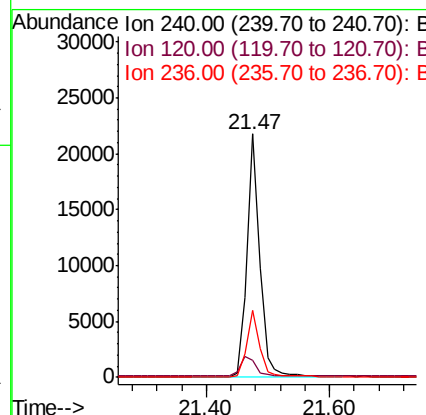
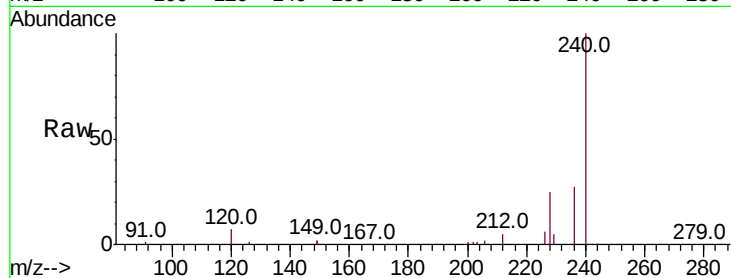




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.47 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BE097800.D
 Acq: 8 Oct 2018 19:19

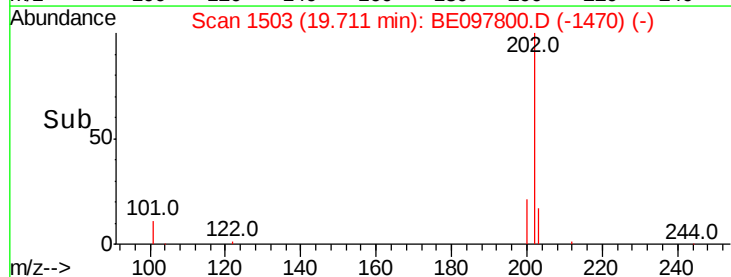
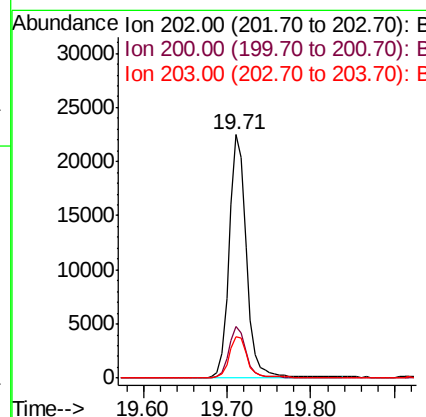
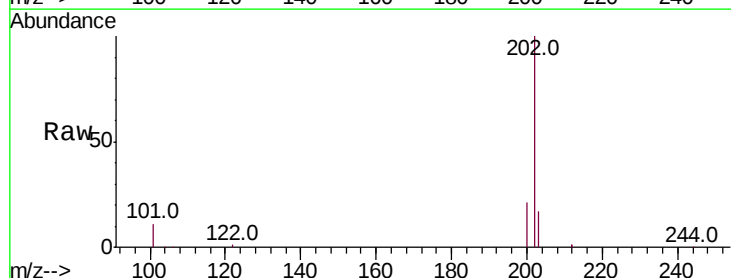
Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4EC

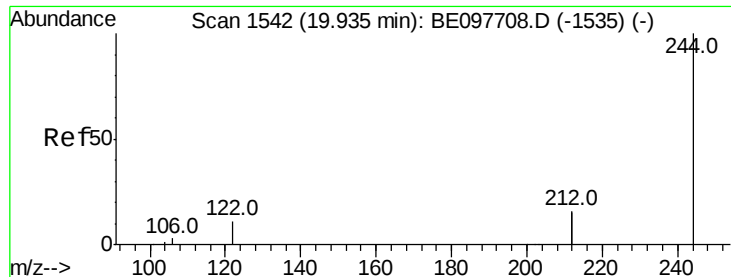
Tot Ion:240 Resp: 30877
 Ion Ratio Lower Upper
 240 100
 120 7.2 4.7 7.1#
 236 27.5 20.8 31.2



#28
 Pyrene
 Concen: 0.404 ng
 RT: 19.71 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BE097800.D
 Acq: 8 Oct 2018 19:19

Tgt Ion:202 Resp: 31719
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.7 25.1
 203 17.4 13.9 20.9





#29

Terphenyl-d14

Concen: 0.401 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

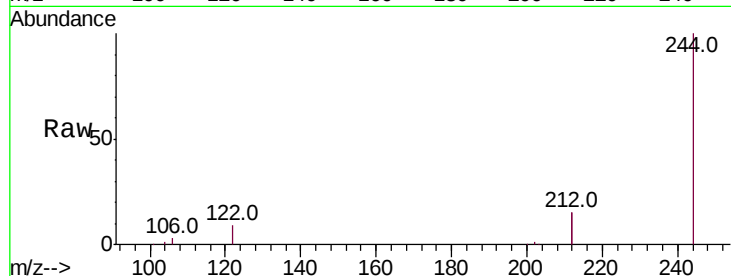
Tot Ion:244 Resp: 25293

Ion Ratio Lower Upper

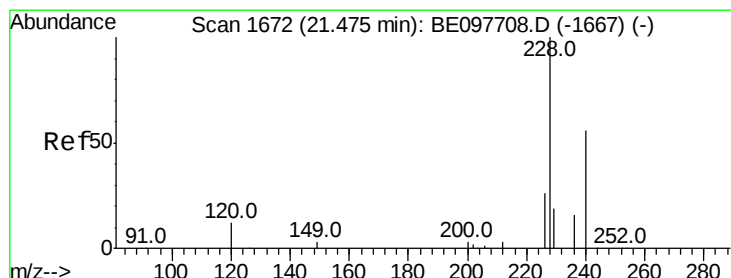
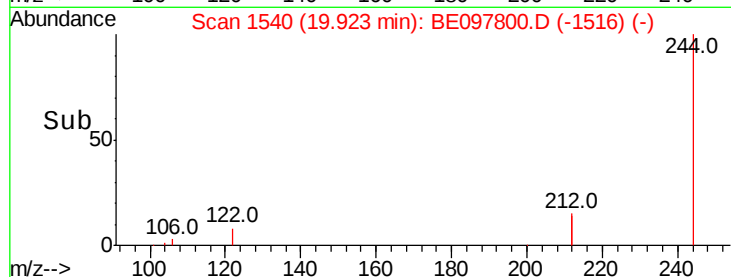
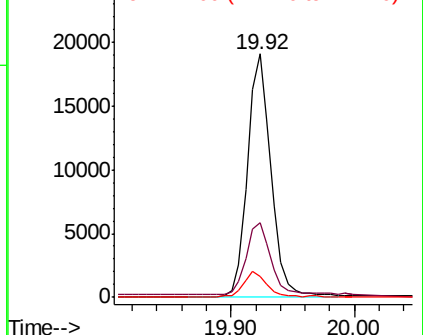
244 100

212 30.4 25.8 38.8

122 8.6 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: 0.363 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

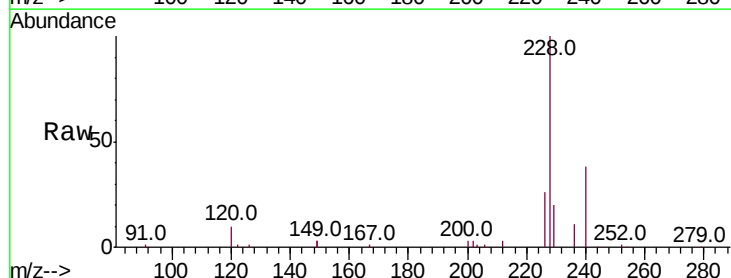
Tgt Ion:228 Resp: 30165

Ion Ratio Lower Upper

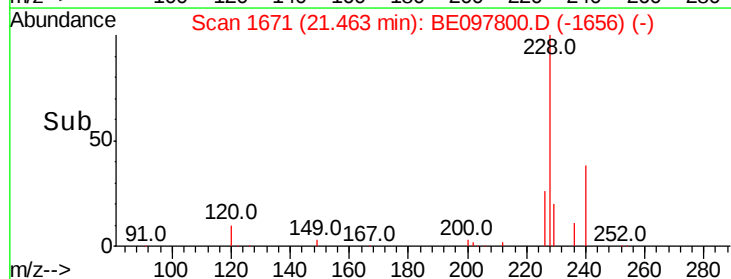
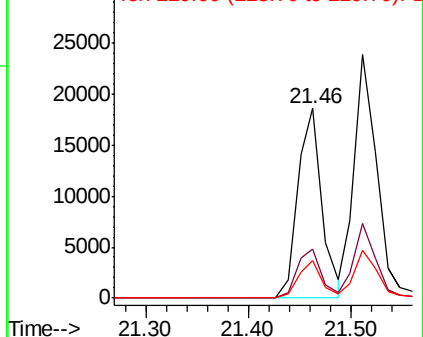
228 100

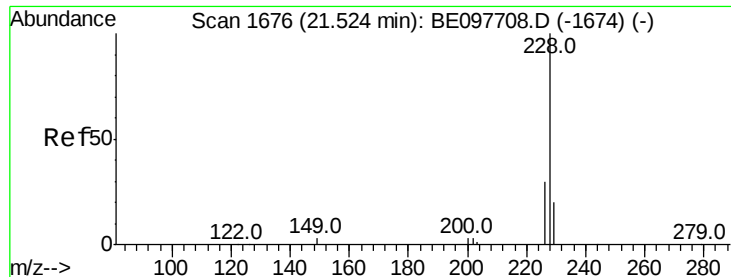
226 26.0 20.7 31.1

229 19.8 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: 0.387 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

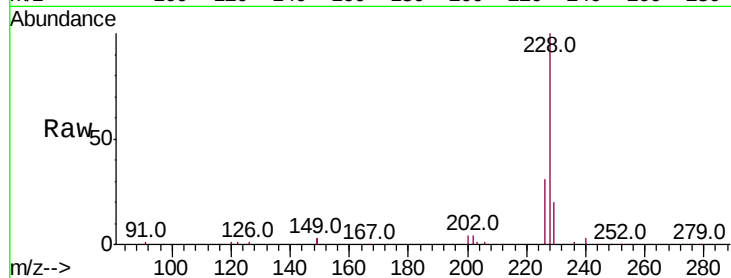
BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:228 Resp: 35900

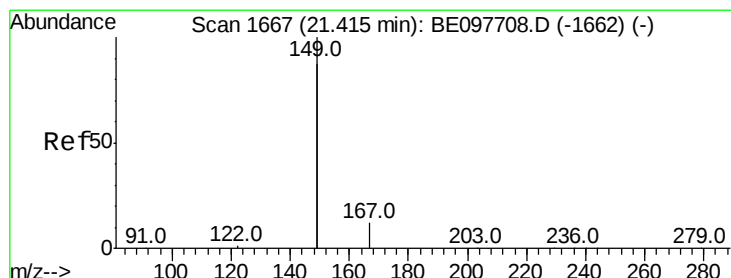
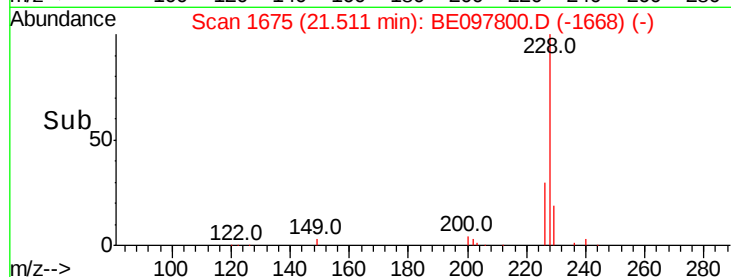
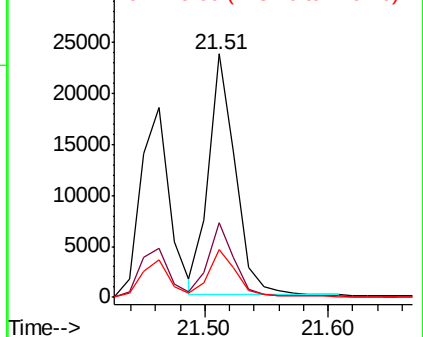
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	19.5	16.0	24.0



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: 0.365 ng

RT: 21.40 min Scan# 1666

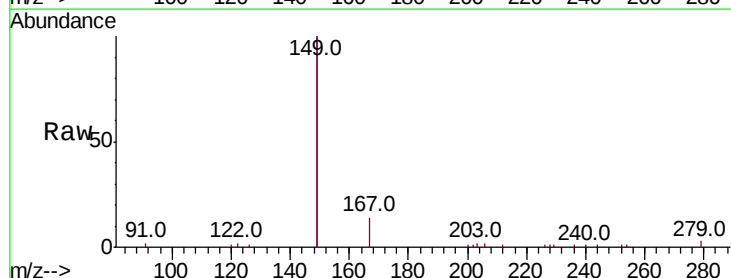
Delta R.T. -0.01 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Tgt Ion:149 Resp: 22137

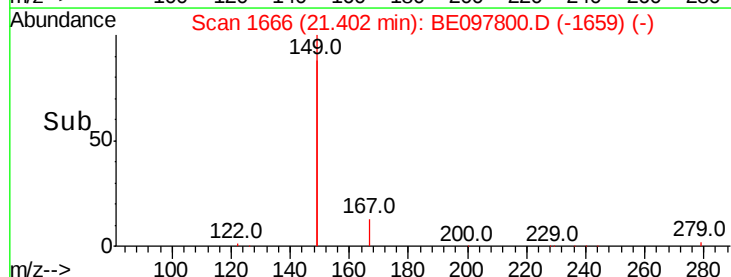
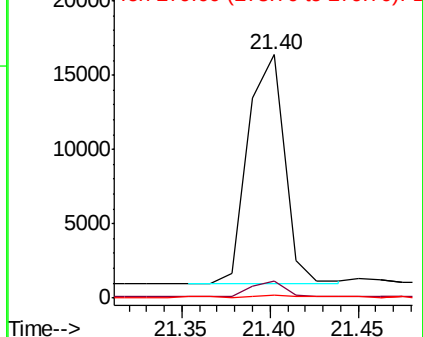
Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.5	8.3
279	1.0	0.9	1.3

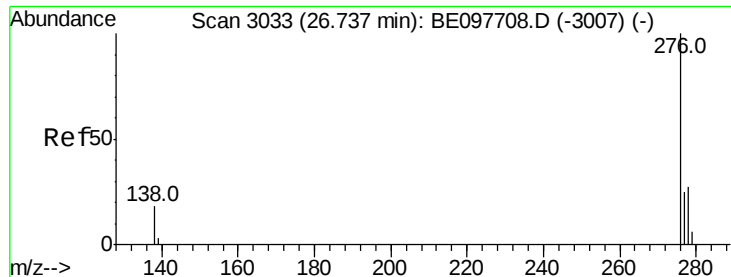


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.338 ng

RT: 26.71 min Scan# 3025

Delta R.T. -0.03 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

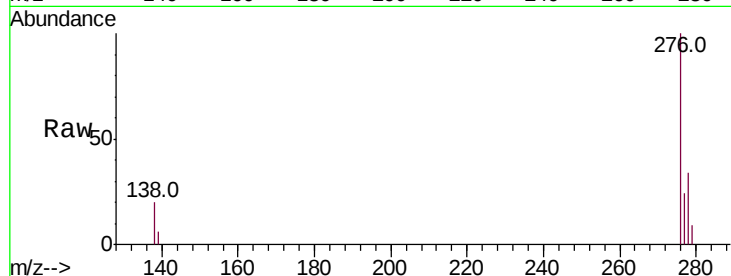
Tot Ion:276 Resp: 27208

Ion Ratio Lower Upper

276 100

138 20.3 15.0 22.6

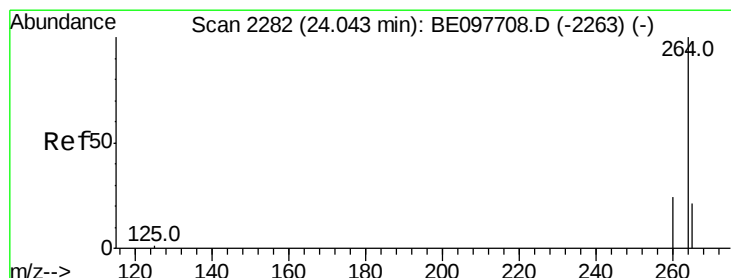
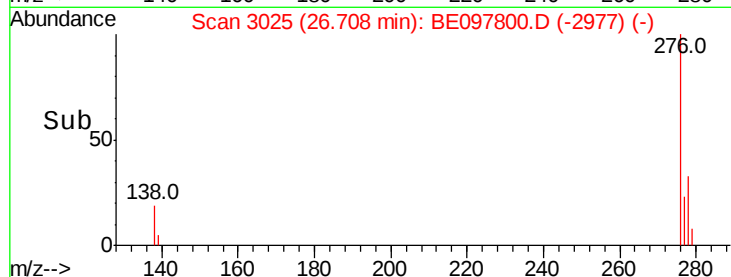
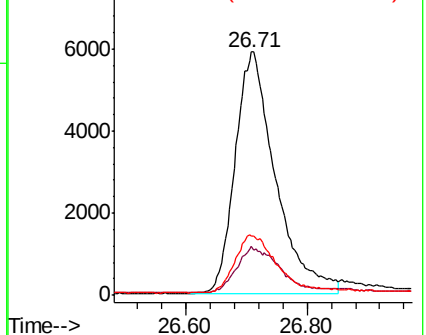
277 25.1 19.2 28.8



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: 24.02 min Scan# 2276

Delta R.T. -0.02 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

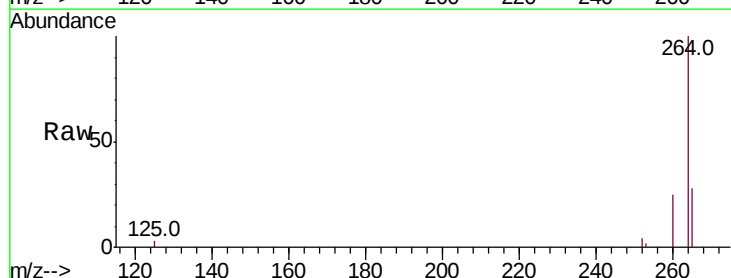
Tgt Ion:264 Resp: 27714

Ion Ratio Lower Upper

264 100

260 24.7 19.1 28.7

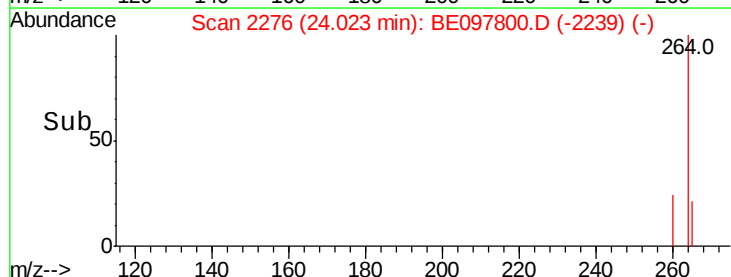
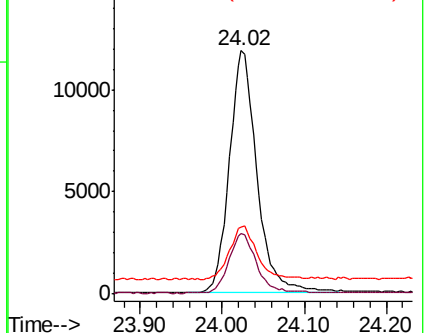
265 27.6 21.9 32.9

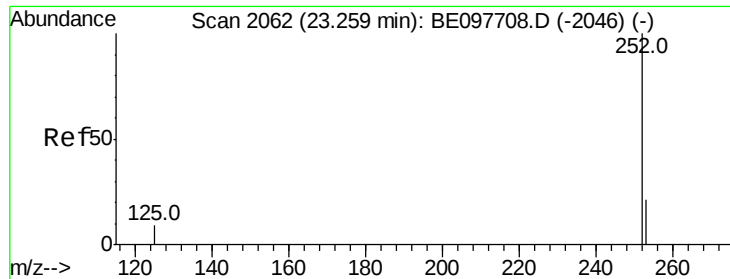


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.352 ng

RT: 23.24 min Scan# 2057

Delta R.T. -0.02 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

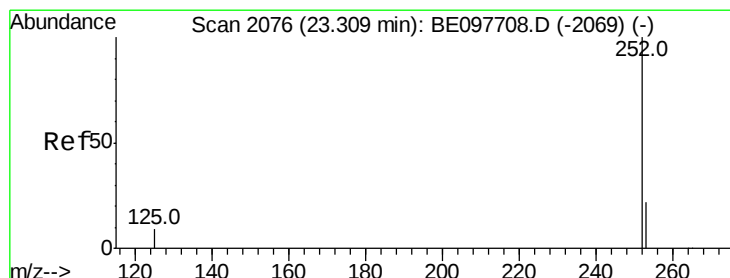
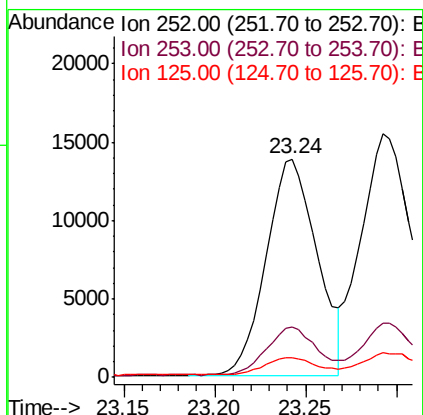
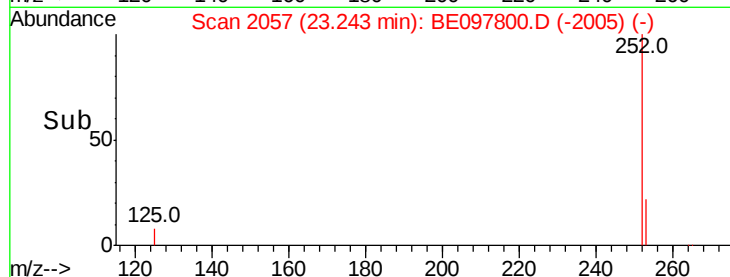
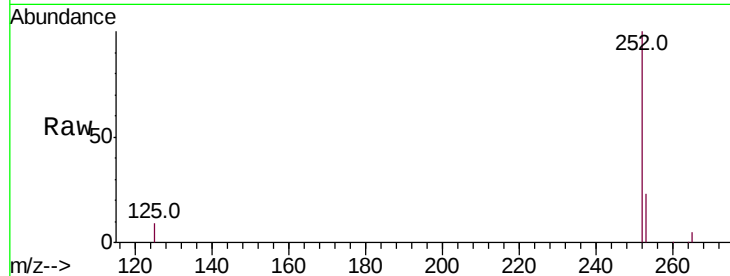
Tot Ion:252 Resp: 26789

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 9.2 7.8 11.8



#36

Benzo(k)fluoranthene

Concen: 0.390 ng

RT: 23.29 min Scan# 2071

Delta R.T. -0.02 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

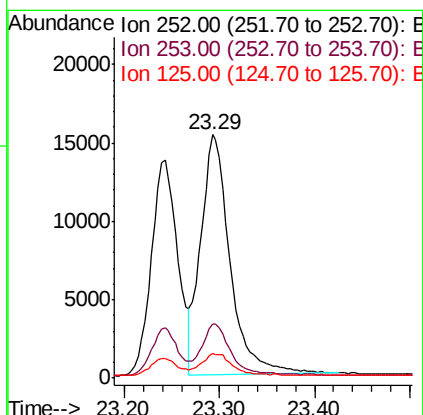
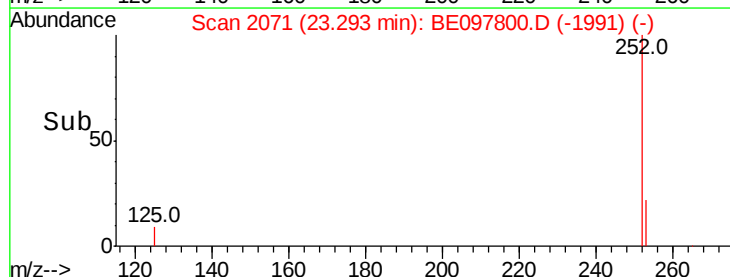
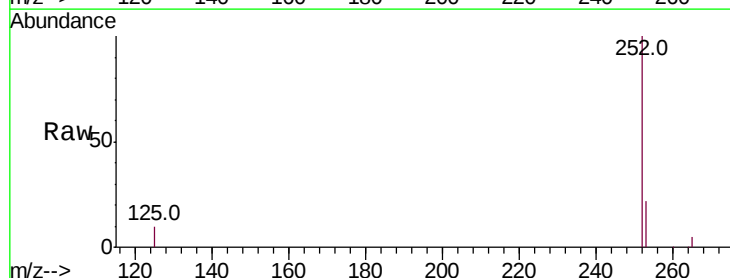
Tgt Ion:252 Resp: 32917

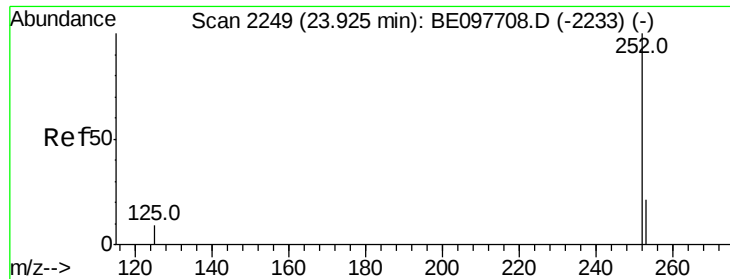
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 10.0 7.5 11.3





#37

Benzo(a)pyrene

Concen: 0.340 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

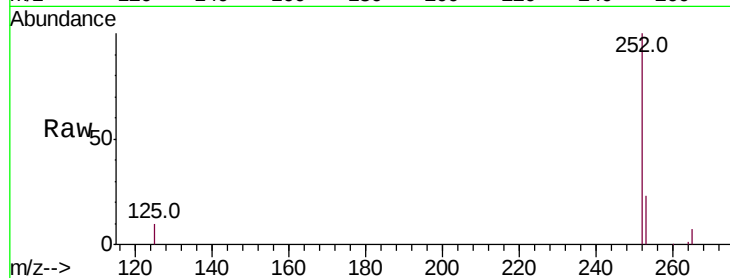
Tot Ion:252 Resp: 23408

Ion Ratio Lower Upper

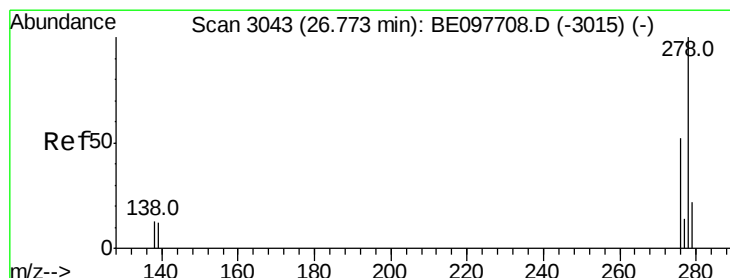
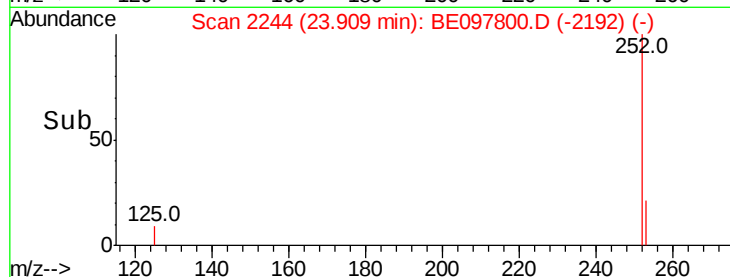
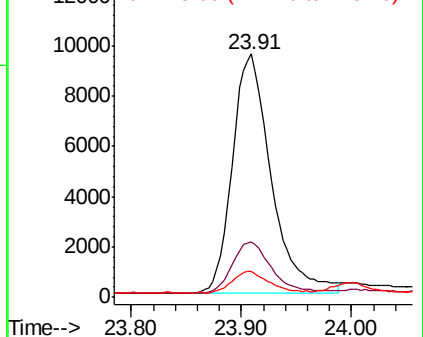
252 100

253 22.6 17.7 26.5

125 10.4 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: 0.346 ng

RT: 26.74 min Scan# 3035

Delta R.T. -0.03 min

Lab File: BE097800.D

Acq: 8 Oct 2018 19:19

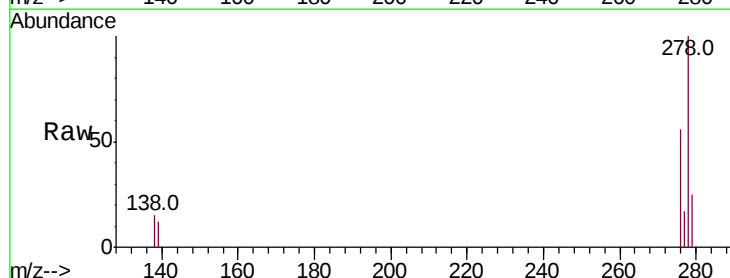
Tgt Ion:278 Resp: 23443

Ion Ratio Lower Upper

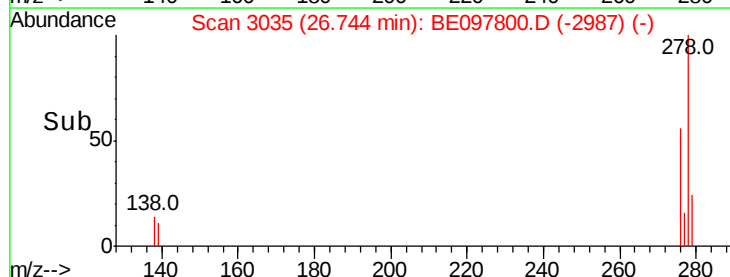
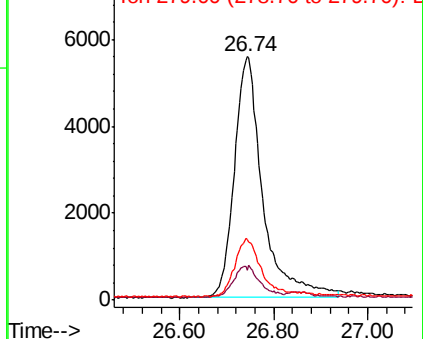
278 100

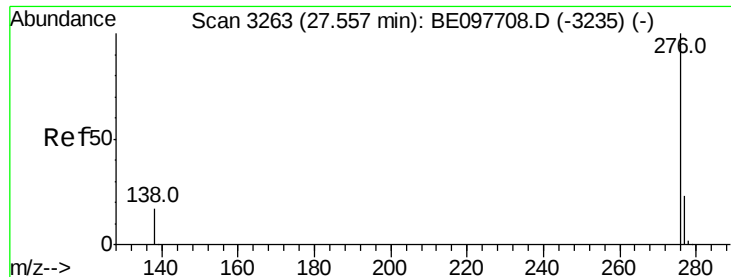
139 12.5 10.3 15.5

279 24.9 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: 0.360 ng

RT: 27.53 min Scan# 3255

Delta R.T. -0.03 min

Lab File: BE097800.D

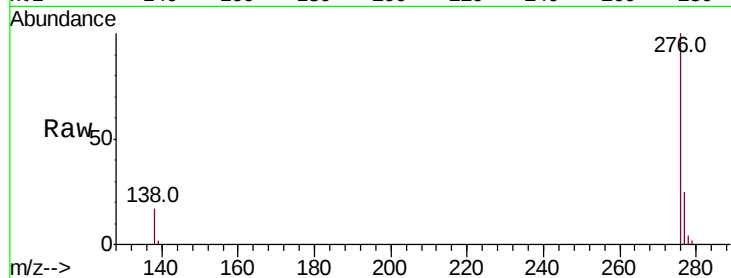
Acq: 8 Oct 2018 19:19

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tot Ion:276 Resp: 25568

Ion Ratio Lower Upper

276 100

277 24.9 19.1 28.7

138 17.2 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

