

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097089.D
 Acq On : 25 Jul 2018 1:58
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 25 07:39:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1323	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6727	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4297	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11502	0.40	ng	0.00
27) Chrysene-d12	20.98	240	10878	0.40	ng	0.00
34) Perylene-d12	23.21	264	9716	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1527	0.41	ng	0.00
5) Phenol-d6	6.60	99	2356	0.43	ng	0.00
8) Nitrobenzene-d5	8.52	82	2393	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4024	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	580	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5989	0.40	ng	0.00
25) Fluoranthene-d10	18.81	212	46129	0.40	ng	0.00
29) Terphenyl-d14	19.43	244	8459	0.40	ng	0.00

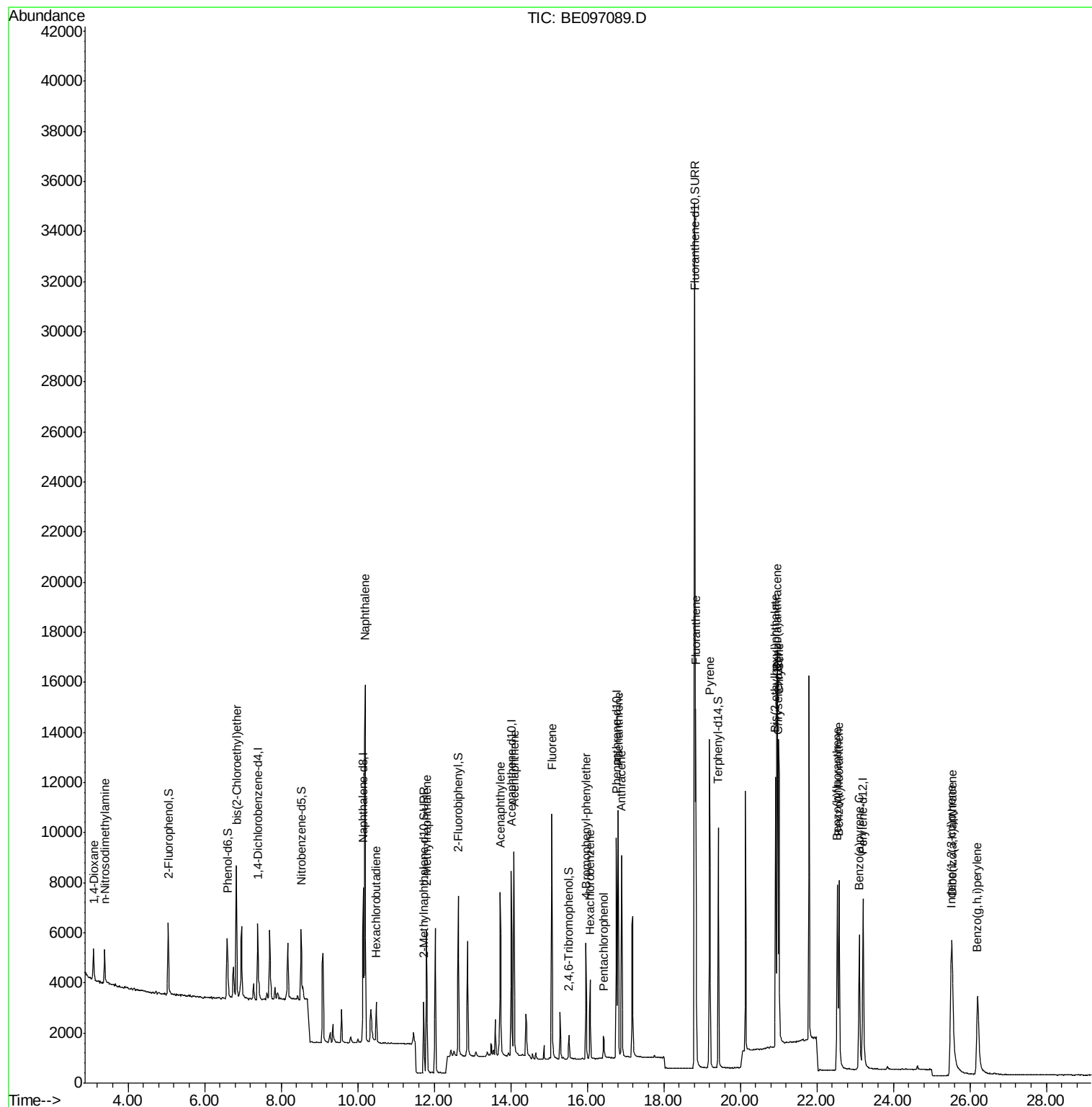
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	844	0.401	ng	# 90
3) n-Nitrosodimethylamine	3.38	42	943	0.401	ng	# 93
6) bis(2-Chloroethyl)ether	6.84	93	2097	0.421	ng	# 87
9) Naphthalene	10.20	128	24232	0.401	ng	100
10) Hexachlorobutadiene	10.48	225	1077	0.398	ng	99
12) 2-Methylnaphthalene	11.80	142	4163	0.402	ng	99
16) Acenaphthylene	13.73	152	7862	0.408	ng	100
17) Acenaphthene	14.08	154	4618	0.412	ng	94
18) Fluorene	15.08	166	6136	0.414	ng	# 80
20) 4-Bromophenyl-phenylether	15.97	248	2232	0.399	ng	# 84
21) Hexachlorobenzene	16.08	284	2458	0.410	ng	# 84
22) Pentachlorophenol	16.43	266	584	0.416	ng	# 79
23) Phenanthrene	16.81	178	11136	0.406	ng	99
24) Anthracene	16.89	178	9875	0.403	ng	95
26) Fluoranthene	18.84	202	12372	0.402	ng	98
28) Pyrene	19.20	202	12316	0.413	ng	99
30) Benzo(a)anthracene	20.95	228	10752	0.397	ng	98
31) Chrysene	21.00	228	12216	0.421	ng	98
32) Bis(2-ethylhexyl)phthalate	20.92	149	13985	0.485	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	10894	0.415	ng	# 92
35) Benzo(b)fluoranthene	22.54	252	9601	0.389	ng	# 87
36) Benzo(k)fluoranthene	22.58	252	11099	0.386	ng	96
37) Benzo(a)pyrene	23.11	252	9271	0.400	ng	# 92
38) Dibenzo(a,h)anthracene	25.54	278	9001	0.389	ng	96
39) Benzo(g,h,i)perylene	26.20	276	9464	0.385	ng	# 91

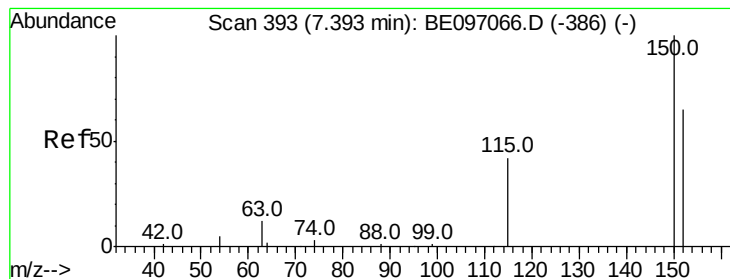
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
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Operator : SJ/JU
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Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jul 25 02:36:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 13:24:10 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

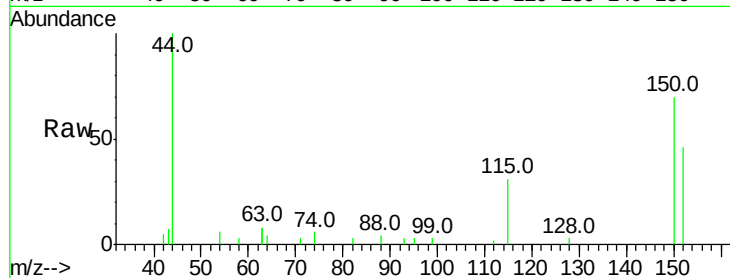
Tot Ion:152 Resp: 1323

Ion Ratio Lower Upper

152 100

150 152.4 117.2 175.8

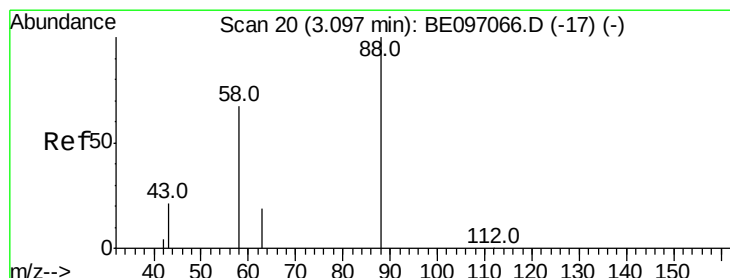
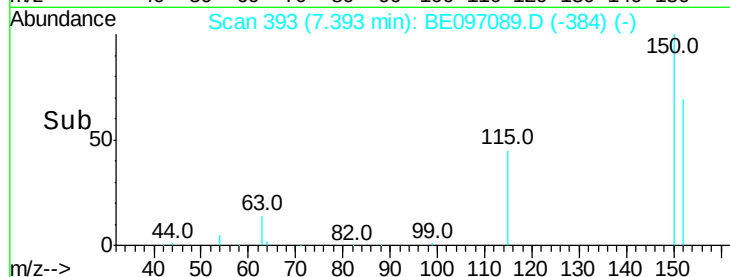
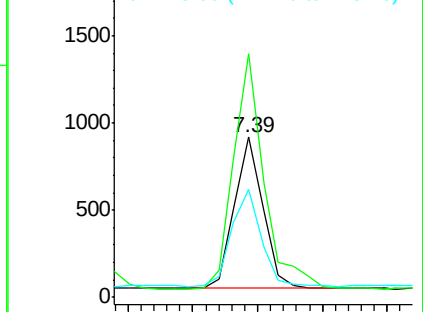
115 67.6 57.0 85.6



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: 0.401 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

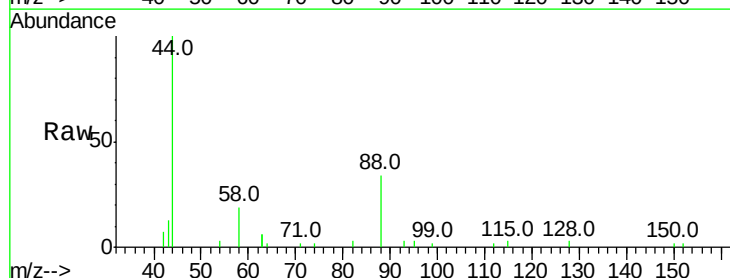
Tgt Ion: 88 Resp: 844

Ion Ratio Lower Upper

88 100

58 82.2 63.2 94.8

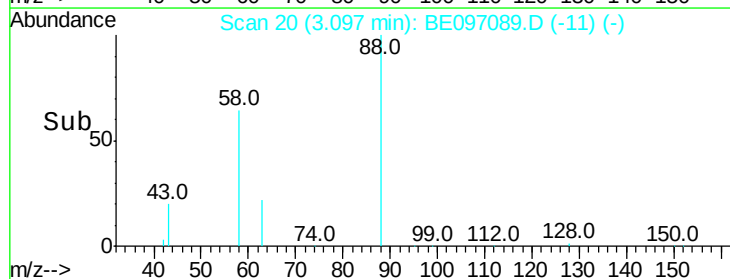
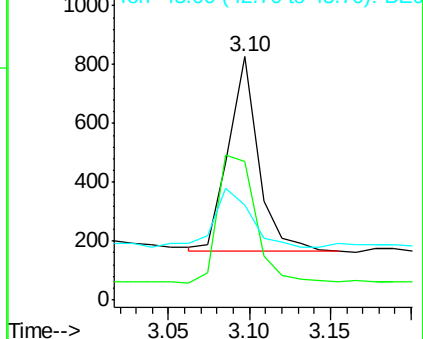
43 38.4 41.2 61.8#

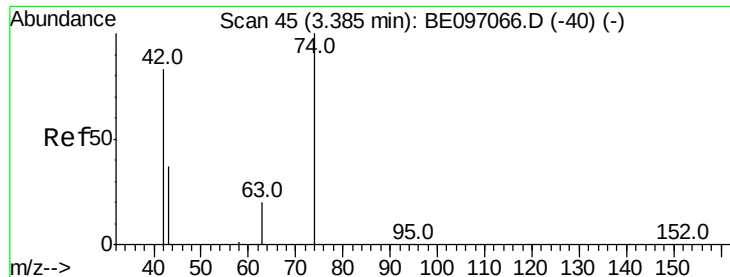


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.401 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

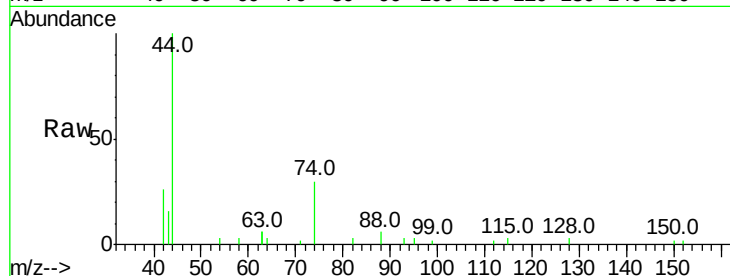
Tot Ion: 42 Resp: 943

Ion Ratio Lower Upper

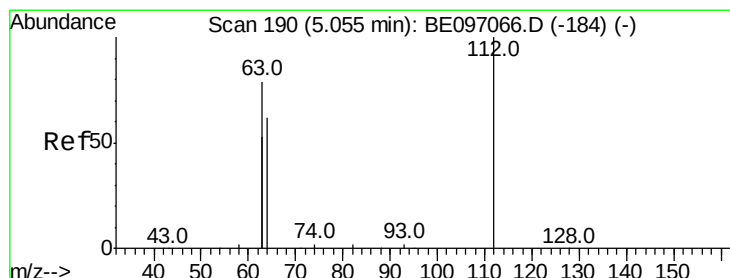
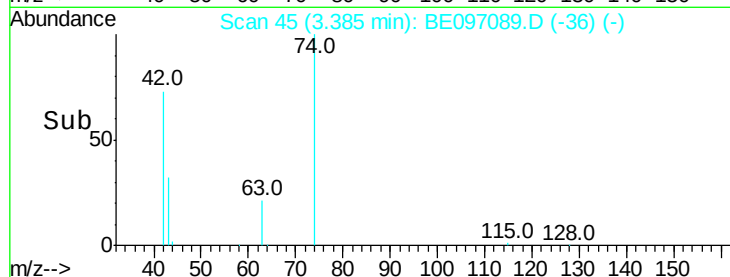
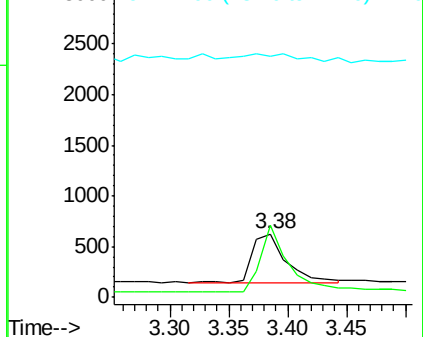
42 100

74 114.5 96.0 144.0

44 24.3 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.411 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

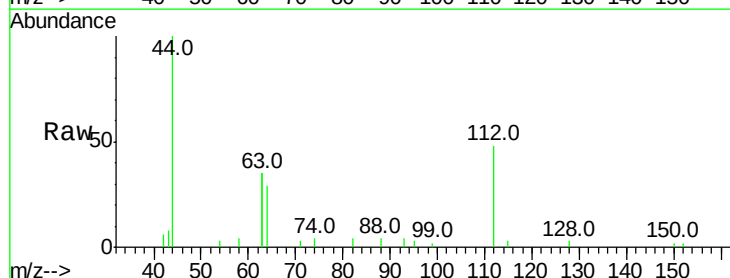
Tgt Ion: 112 Resp: 1527

Ion Ratio Lower Upper

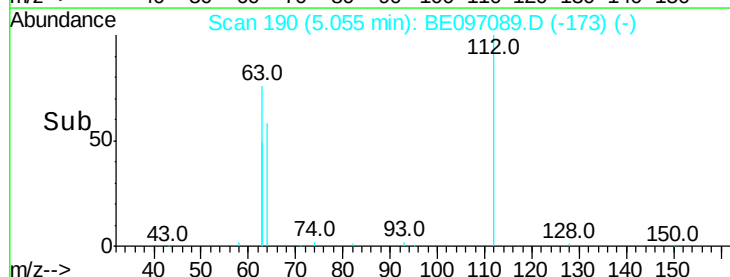
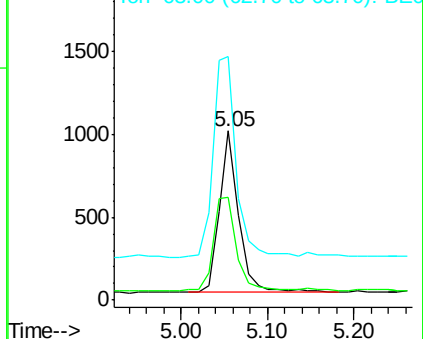
112 100

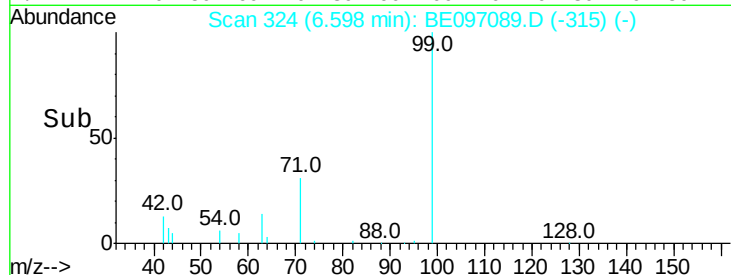
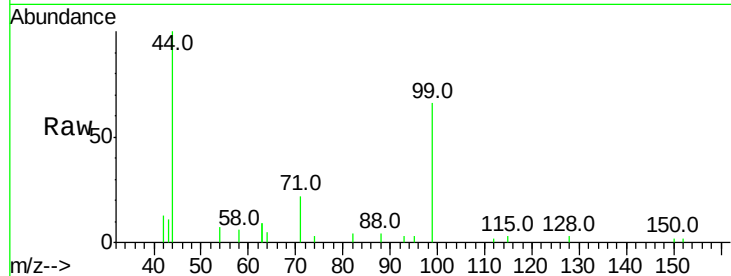
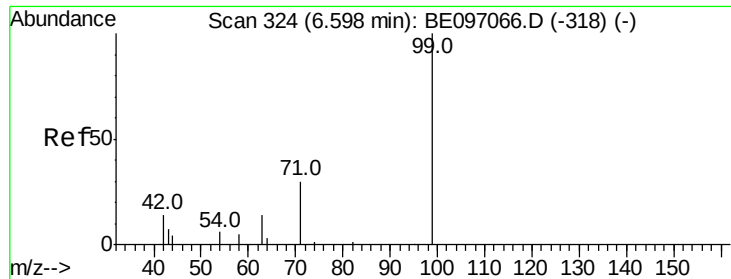
64 70.3 60.1 90.1

63 149.2 116.8 175.2



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: 0.432 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

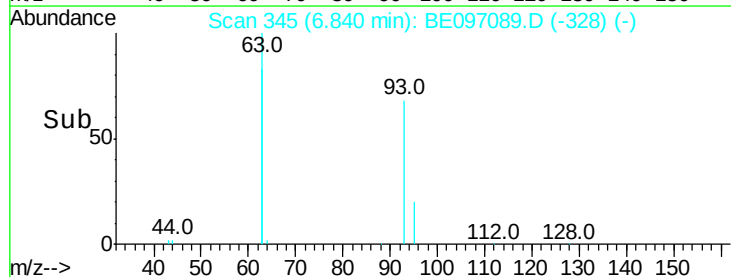
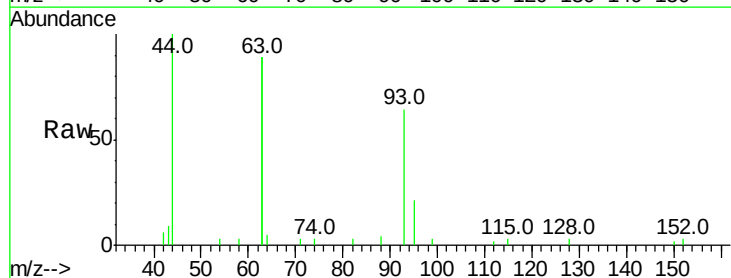
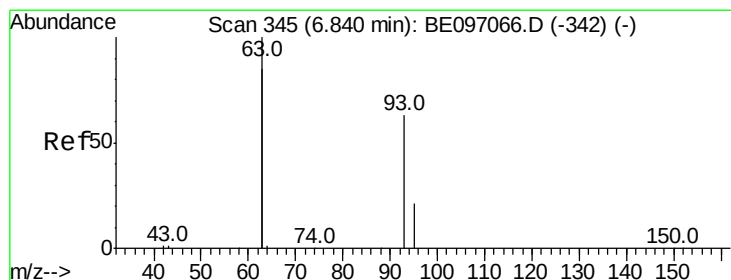
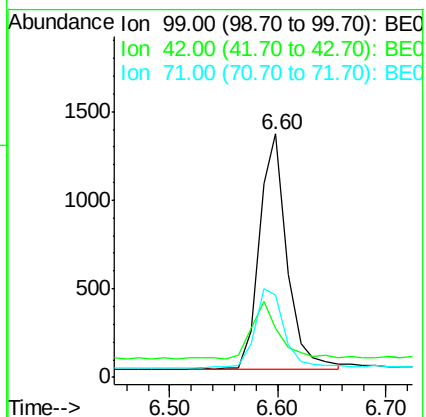
Tot Ion: 99 Resp: 2356

Ion Ratio Lower Upper

99 100

42 23.9 20.2 30.2

71 35.5 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.421 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

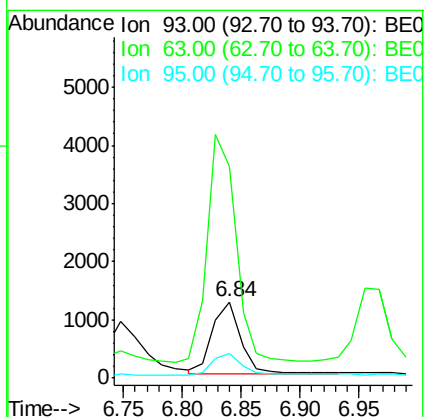
Tgt Ion: 93 Resp: 2097

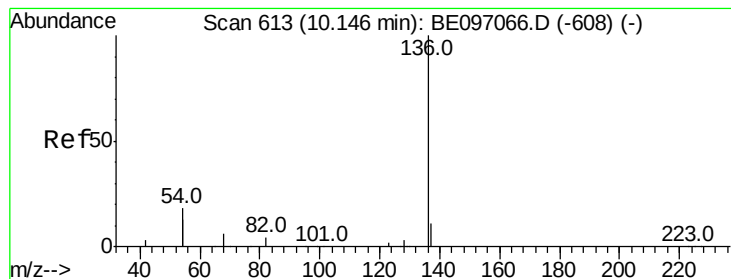
Ion Ratio Lower Upper

93 100

63 315.4 275.3 412.9

95 29.4 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6727

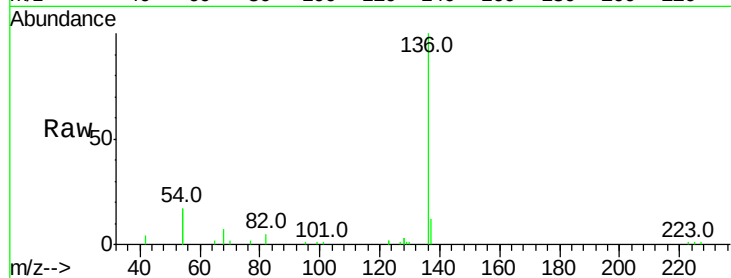
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 34.6 29.1 43.7

68 6.9 6.2 9.2

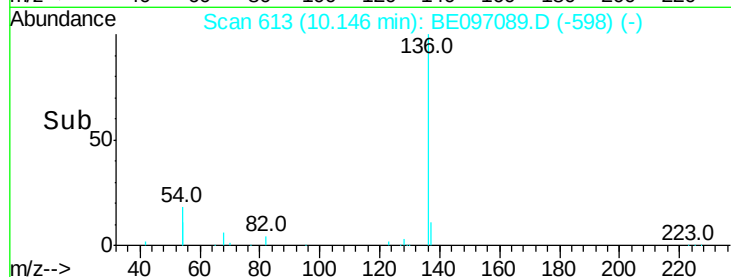


Abundance Ion 136.00 (135.70 to 136.70): E

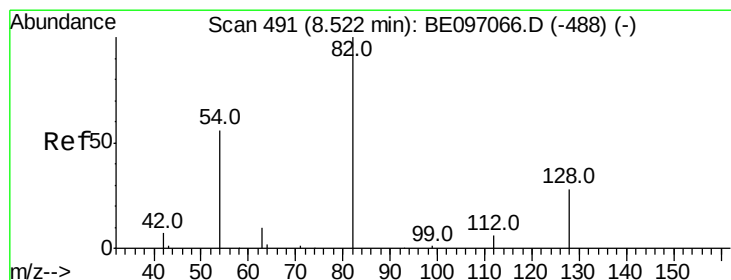
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.00 10.10 10.20 10.30



#8

Nitrobenzene-d5

Concen: 0.409 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

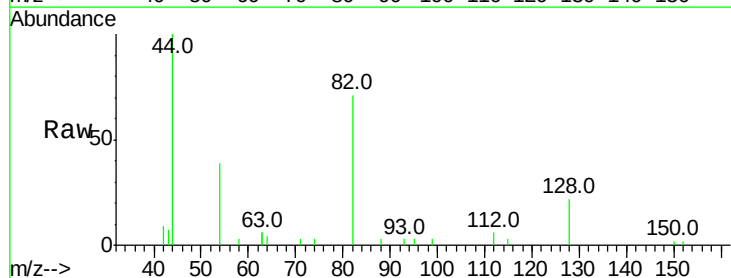
Tgt Ion: 82 Resp: 2393

Ion Ratio Lower Upper

82 100

128 30.7 24.0 36.0

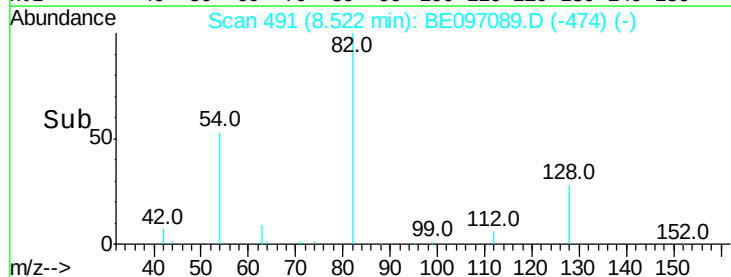
54 55.6 40.0 60.0



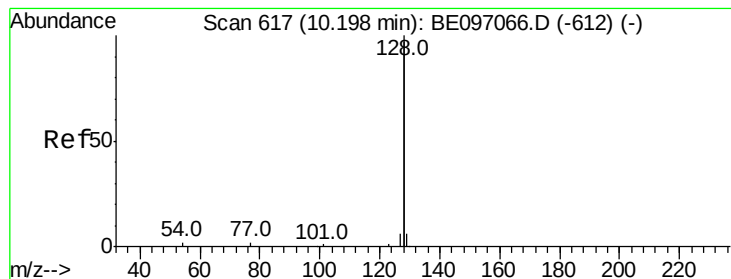
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time--> 8.40 8.50 8.60



#9

Naphthalene

Concen: 0.401 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

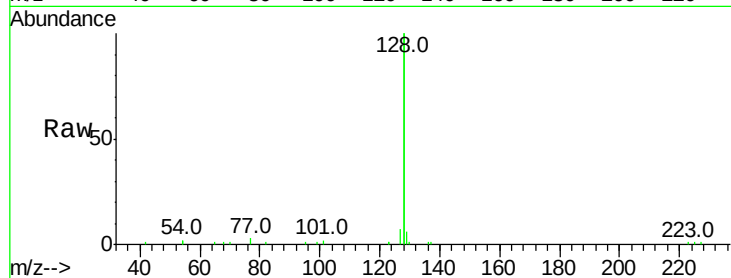
Tot Ion:128 Resp: 24232

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

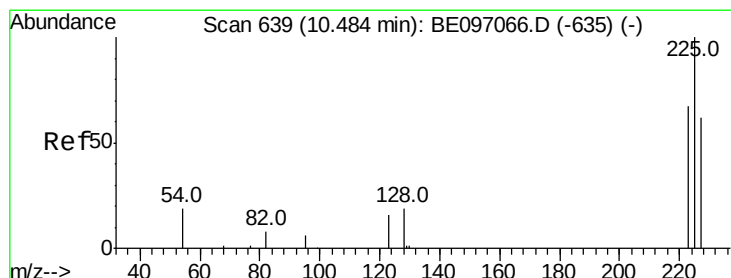
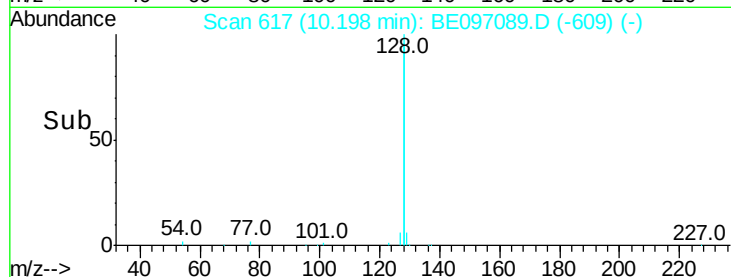
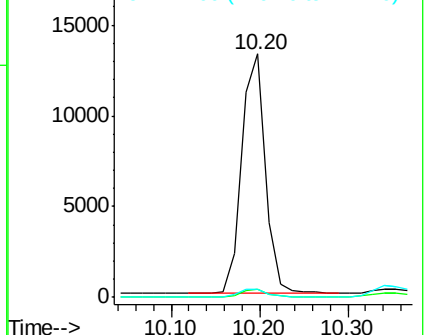
127 3.4 2.8 4.2



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: 0.398 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

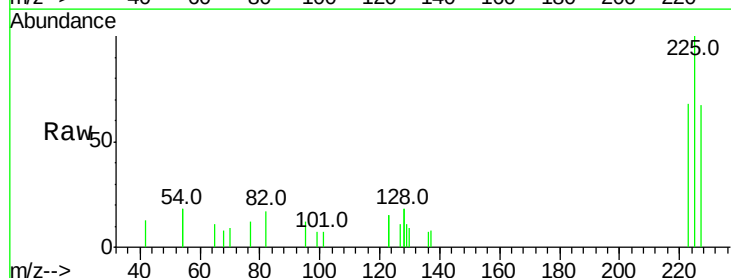
Tgt Ion:225 Resp: 1077

Ion Ratio Lower Upper

225 100

223 64.6 53.0 79.6

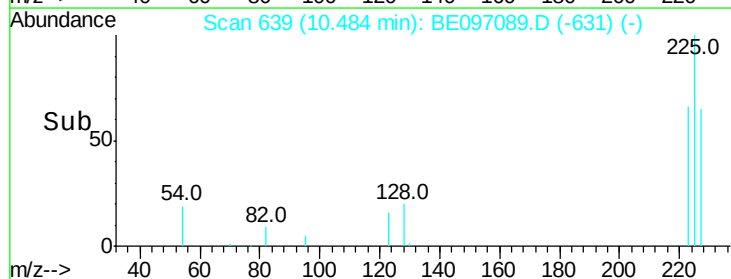
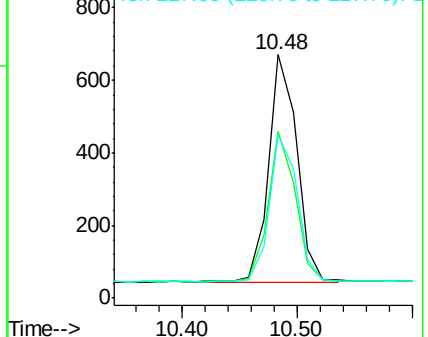
227 64.6 51.4 77.2

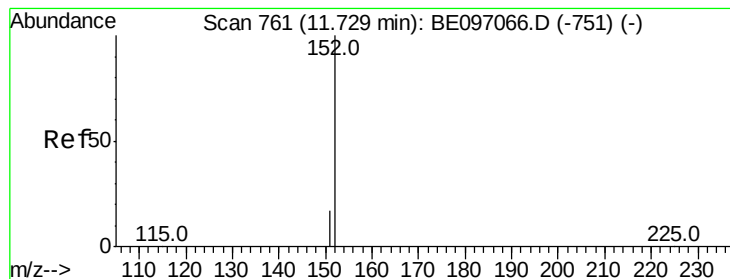


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.400 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

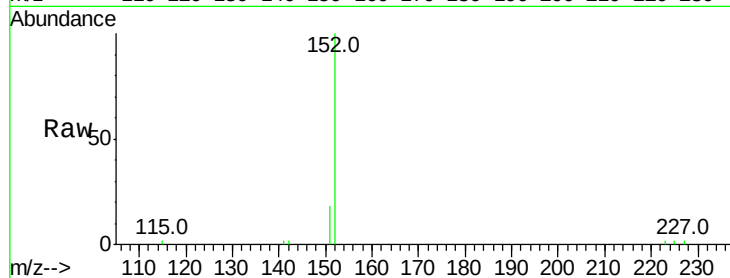
ClientSampled :

Tot Ion:152 Resp: 4024

Ion Ratio Lower Upper

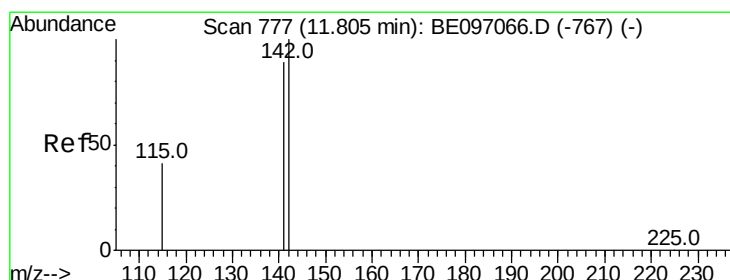
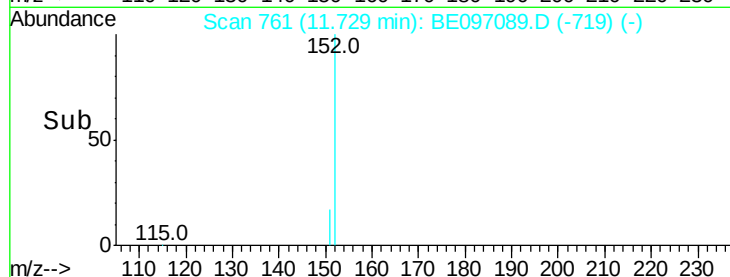
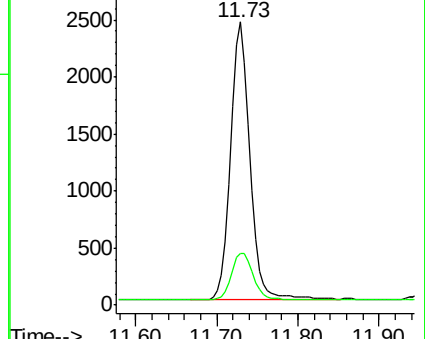
152 100

151 18.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.402 ng

RT: 11.80 min Scan# 777

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

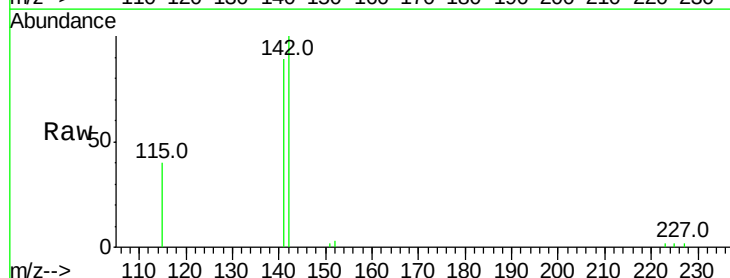
Tgt Ion:142 Resp: 4163

Ion Ratio Lower Upper

142 100

141 89.1 70.4 105.6

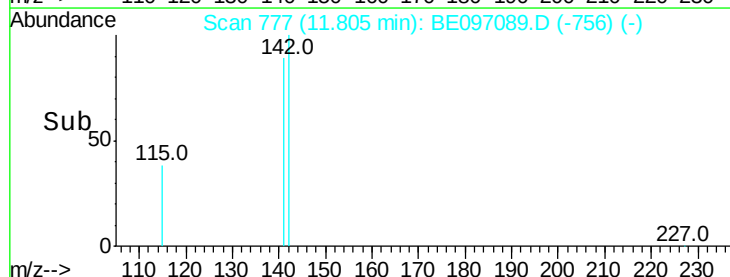
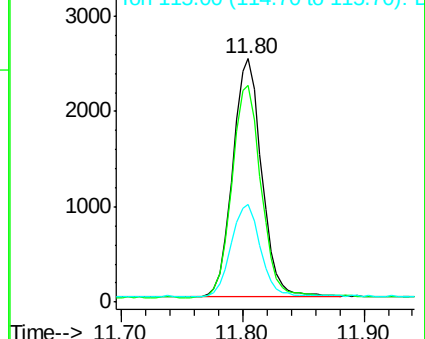
115 40.0 31.7 47.5

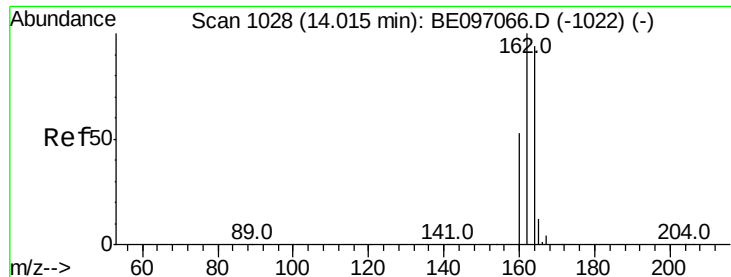


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

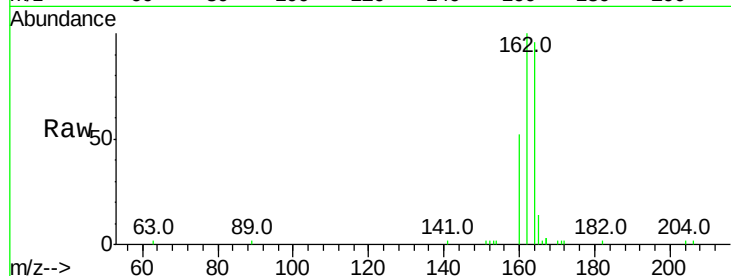
Instrument :

BNA_E

ClientSampleId :

Tot Ion:164 Resp: 4297

Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.1	124.7
160	54.3	37.1	55.7

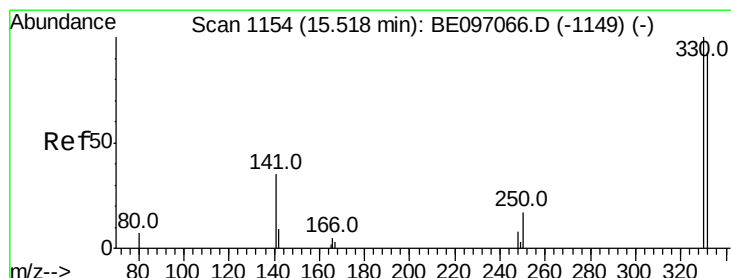
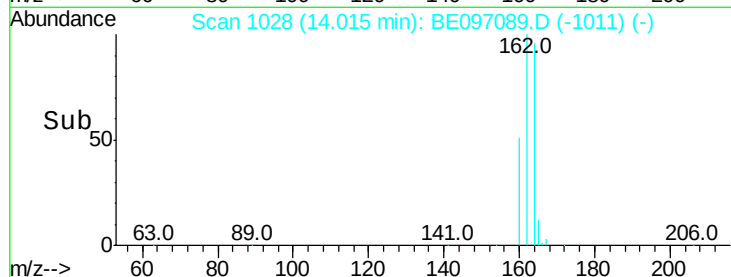
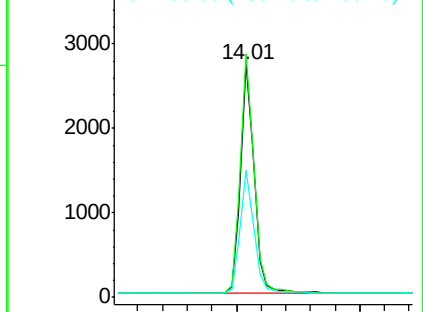


Abundance

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: 0.410 ng

RT: 15.52 min Scan# 1154

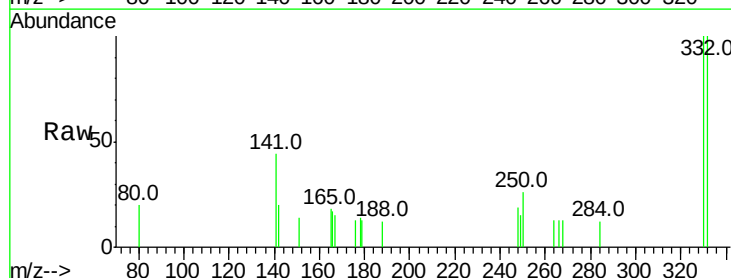
Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Tgt Ion:330 Resp: 580

Ion	Ratio	Lower	Upper
330	100		
332	101.2	152.7	229.1#
141	42.1	33.7	50.5

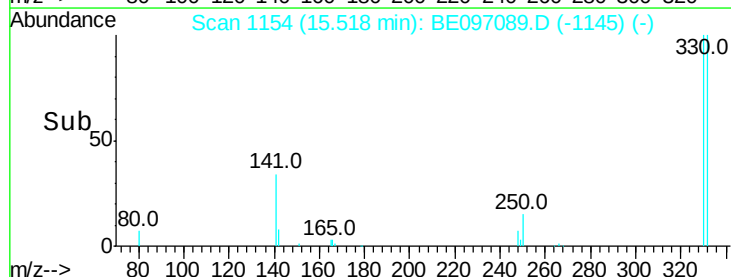
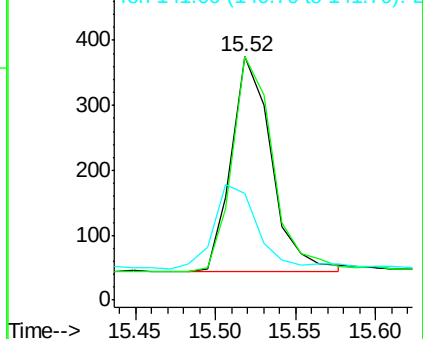


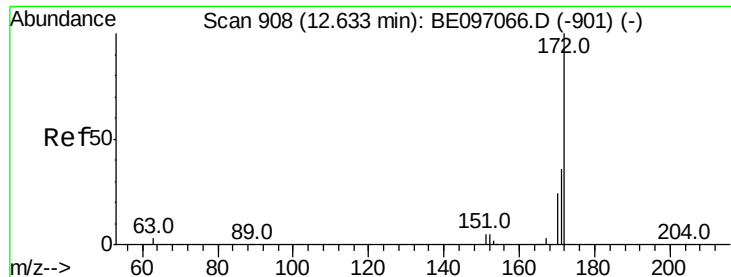
Abundance

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

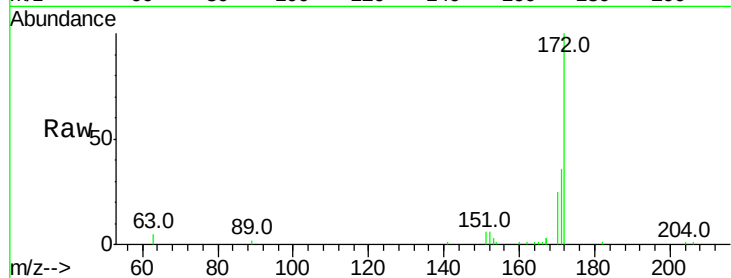




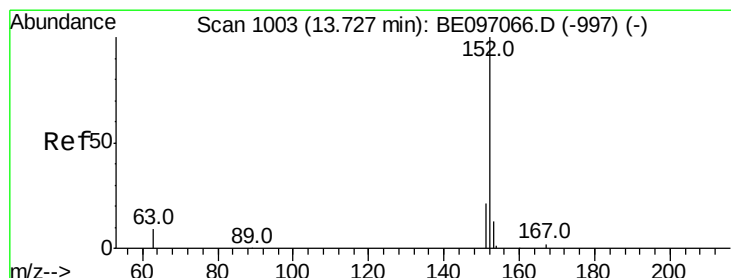
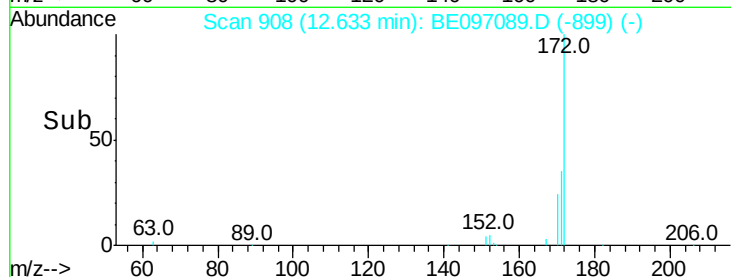
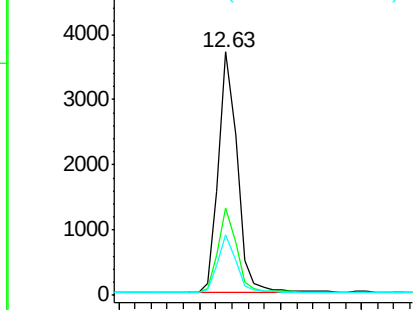
#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.9	44.9
170	25.1	21.8	32.8

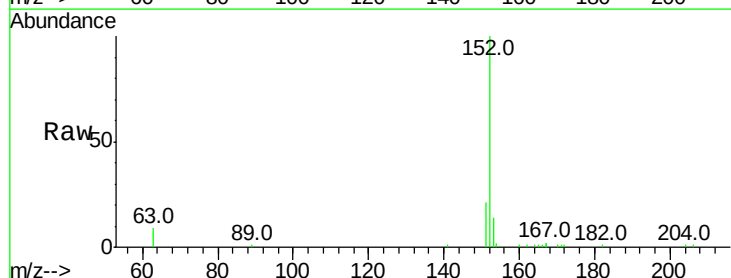


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

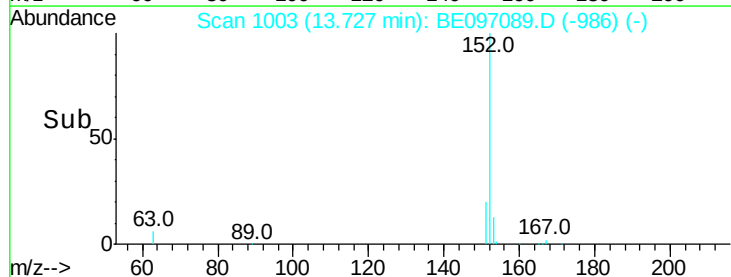
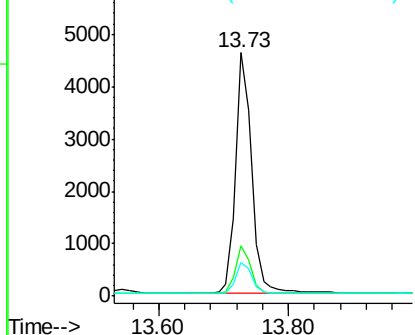


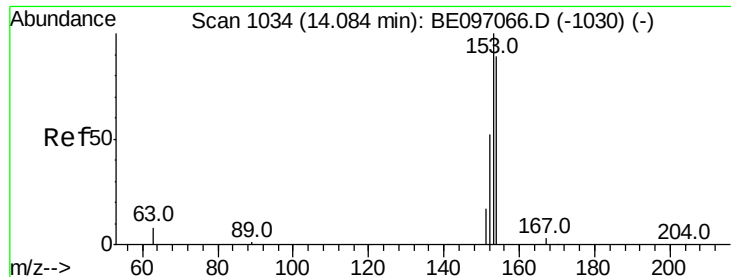
#16
Acenaphthylene
Concen: 0.408 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.2	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: 0.412 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

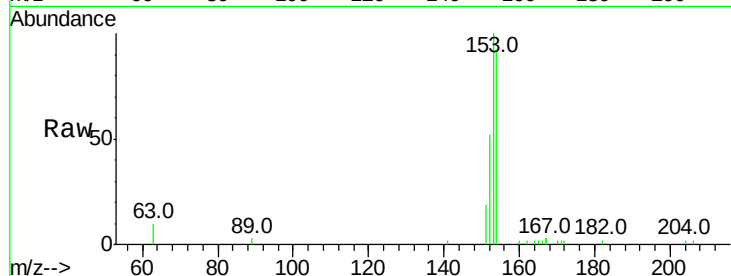
Tot Ion:154 Resp: 4618

Ion Ratio Lower Upper

154 100

153 114.6 89.2 133.8

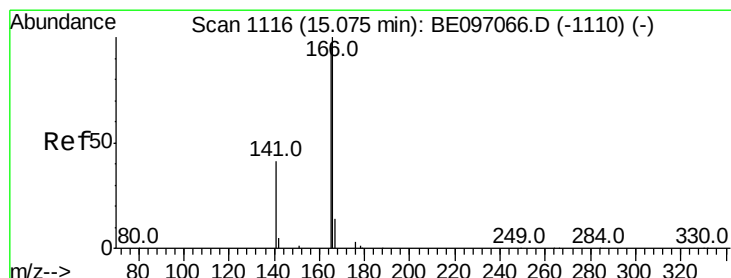
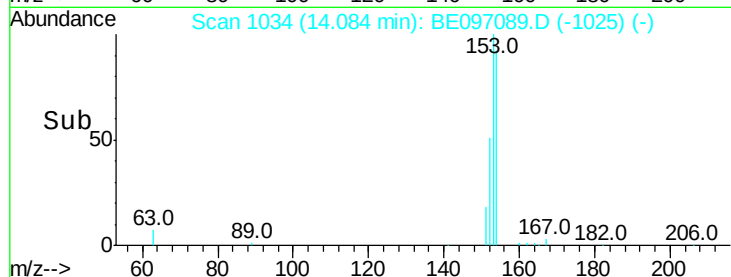
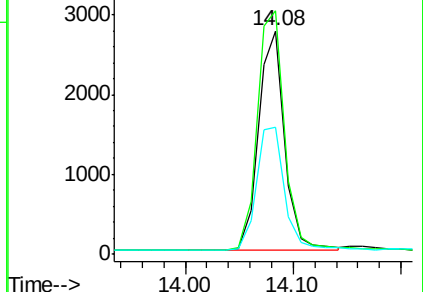
152 61.1 42.0 63.0



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: 0.414 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

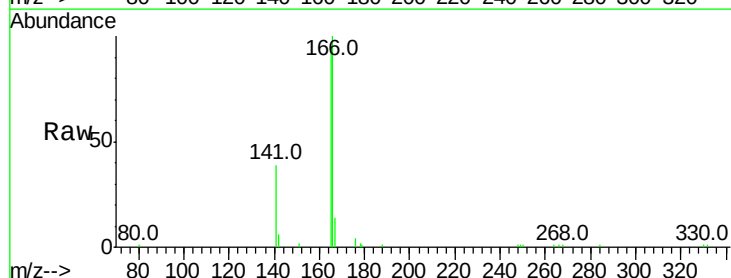
Tgt Ion:166 Resp: 6136

Ion Ratio Lower Upper

166 100

165 98.1 77.8 116.6

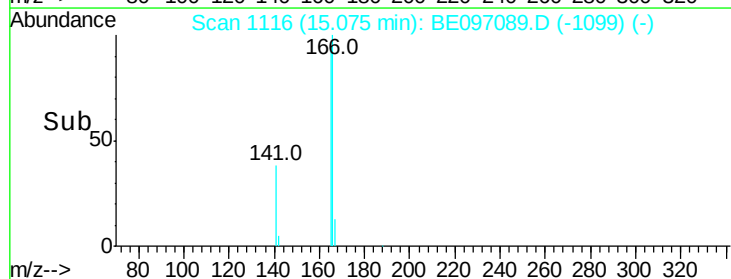
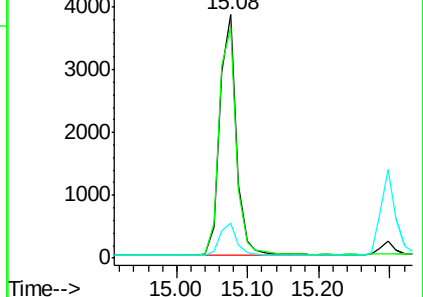
167 13.5 42.4 63.6#

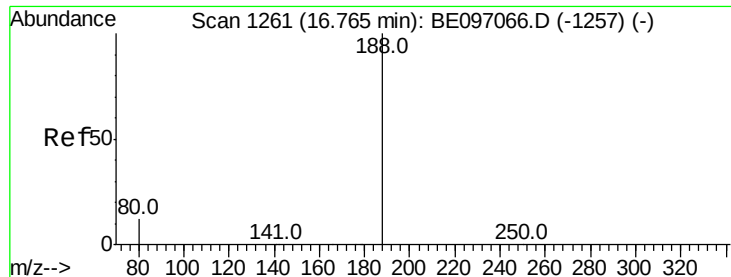


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

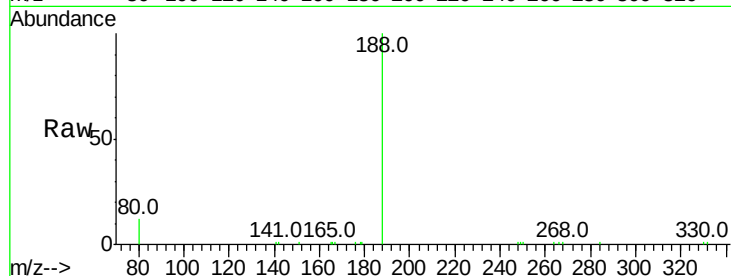
Tot Ion:188 Resp: 11502

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

10000

8000

6000

4000

2000

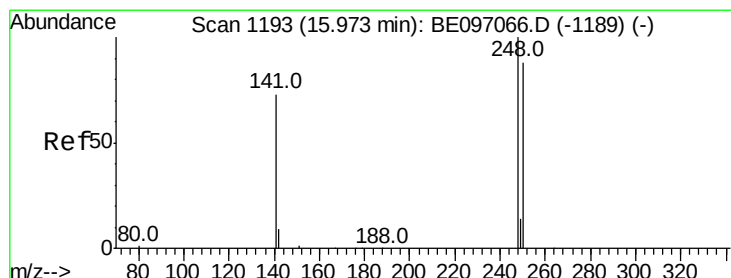
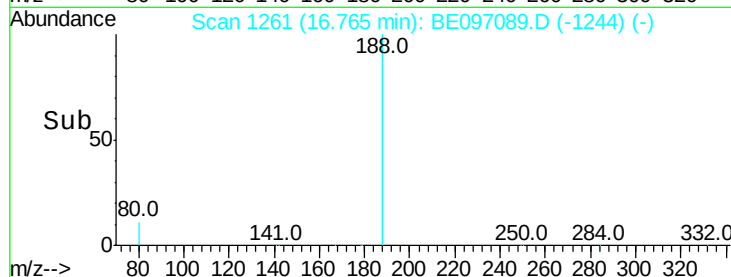
0

16.60

16.70

16.80

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.399 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

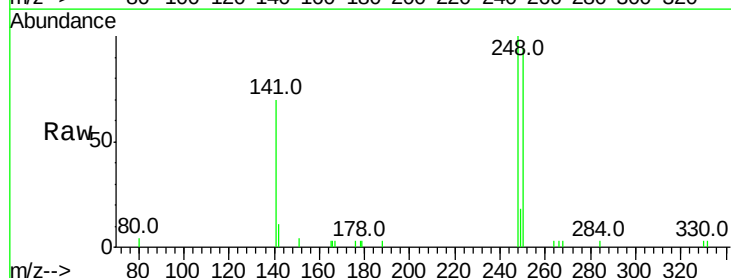
Tgt Ion:248 Resp: 2232

Ion Ratio Lower Upper

248 100

250 94.3 62.7 94.1#

141 70.3 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

2000

1500

1000

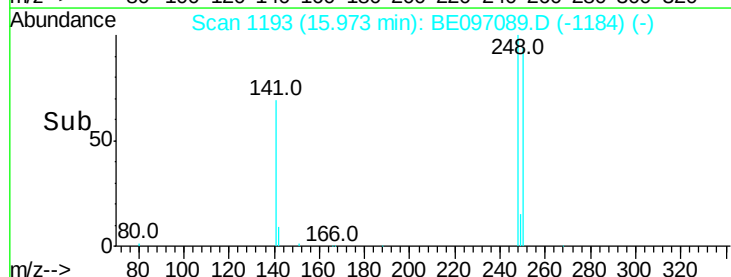
500

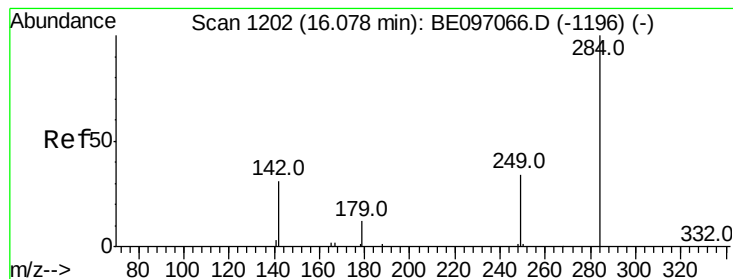
0

15.90

16.00

Time-->





#21

Hexachlorobenzene

Concen: 0.410 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

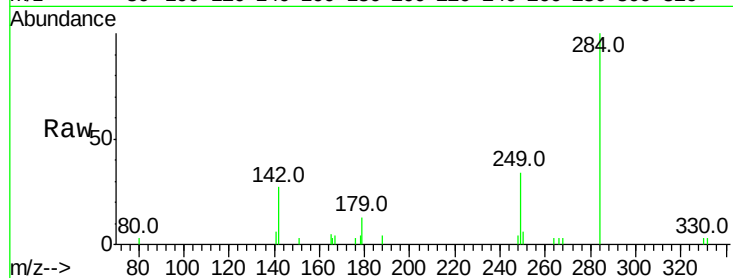
Tot Ion:284 Resp: 2458

Ion Ratio Lower Upper

284 100

142 33.7 22.1 33.1#

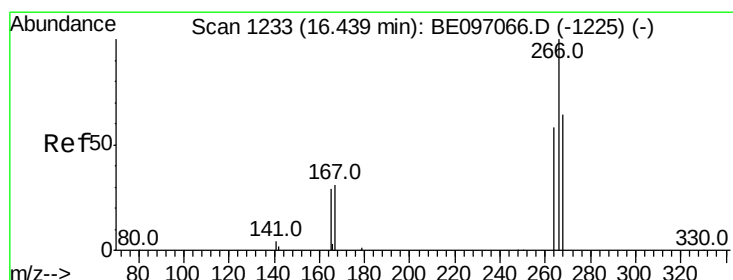
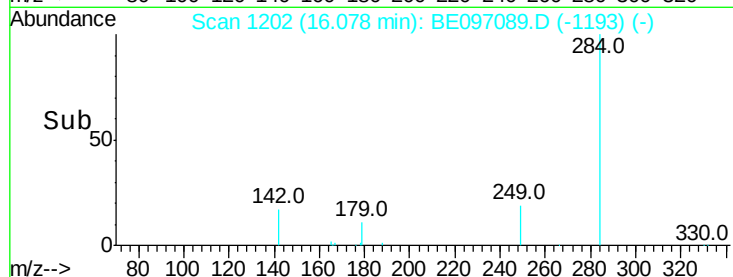
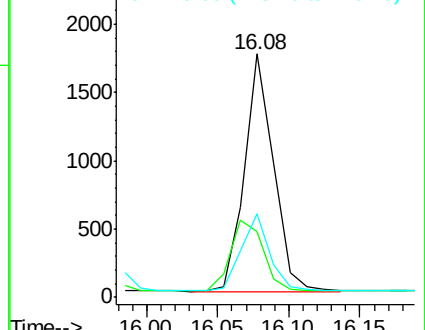
249 31.7 34.8 52.2#



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: 0.416 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

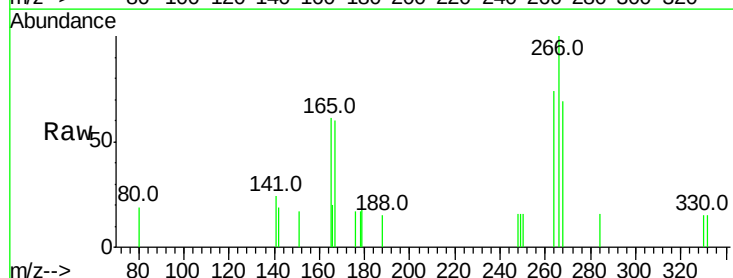
Tgt Ion:266 Resp: 584

Ion Ratio Lower Upper

266 100

264 73.9 72.5 108.7

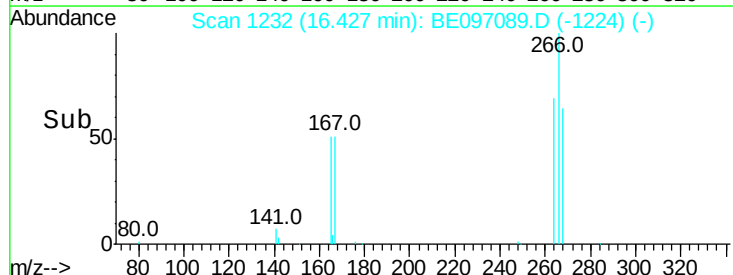
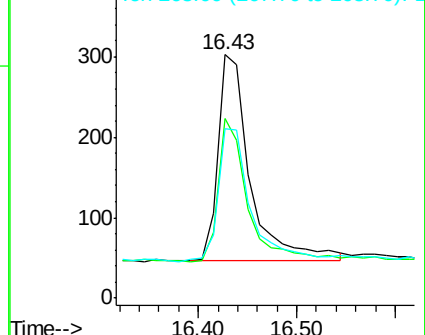
268 69.3 73.8 110.6#

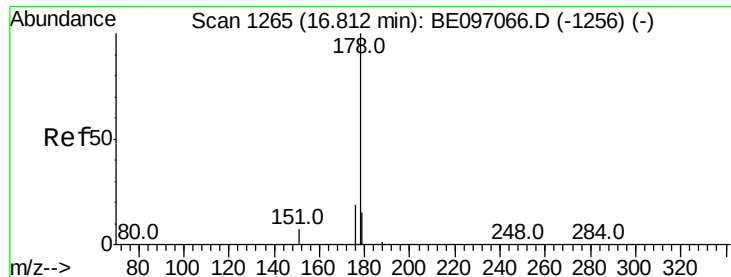


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.406 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

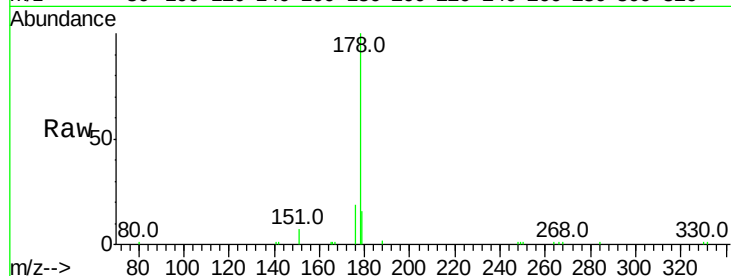
Tot Ion:178 Resp: 11136

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

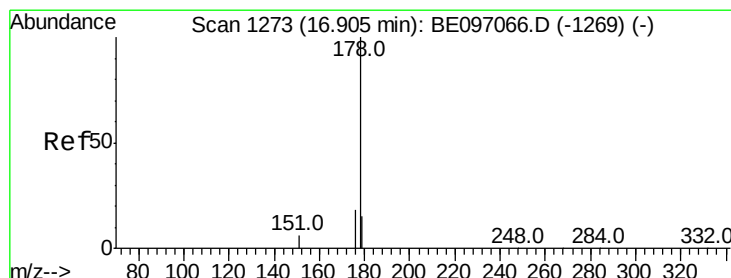
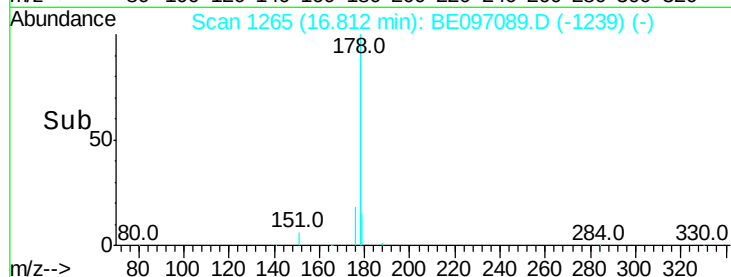
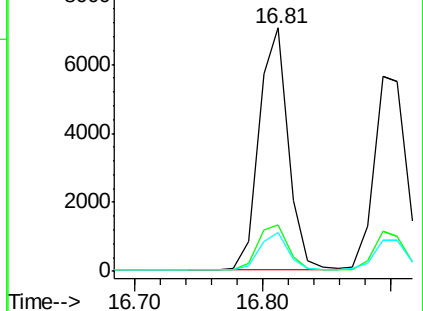
179 15.2 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.403 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

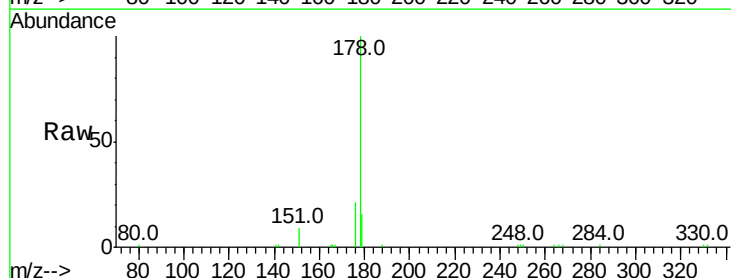
Tgt Ion:178 Resp: 9875

Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

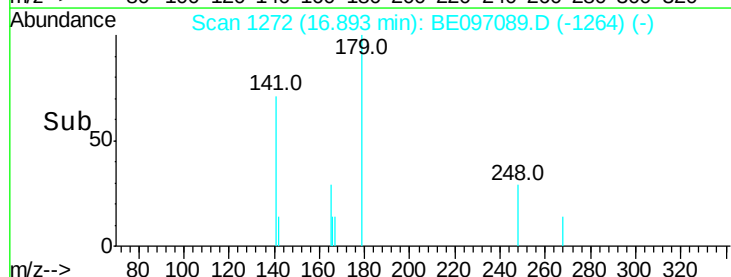
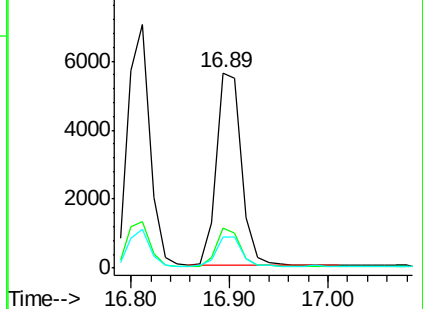
179 14.8 13.0 19.6

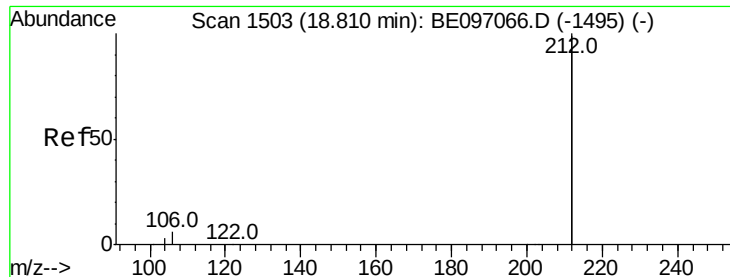


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.401 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097089.D

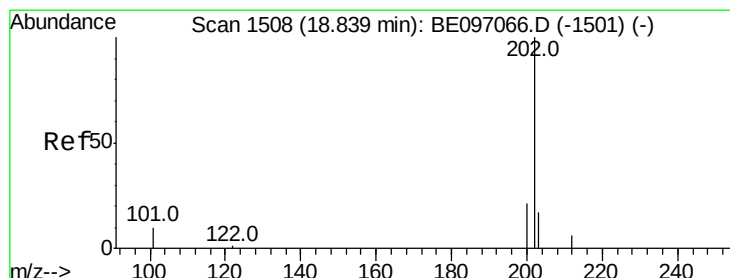
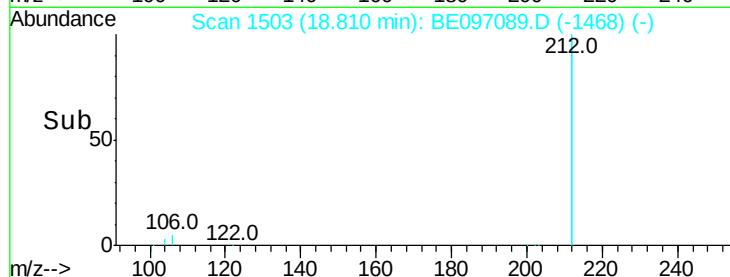
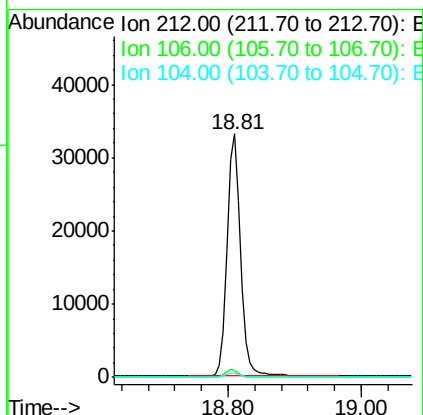
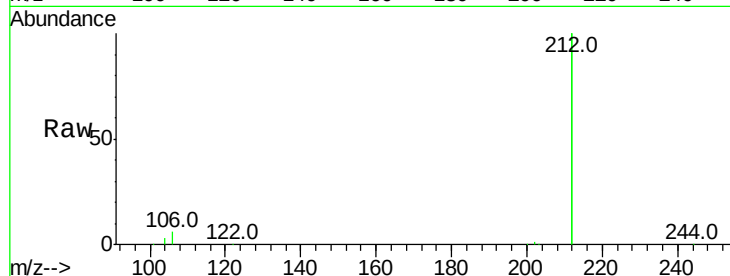
Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	46129
Ion Ratio	Lower	Upper
212 100		
106 3.0	2.8	4.2
104 1.7	1.6	2.4



#26

Fluoranthene

Concen: 0.402 ng

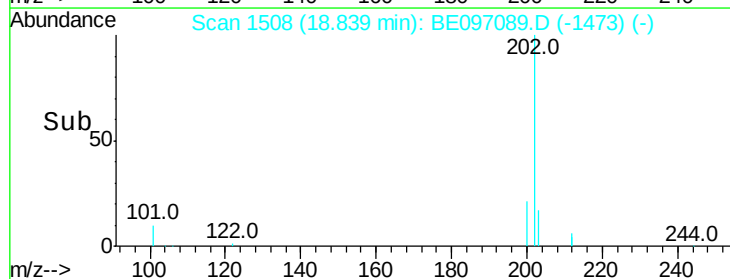
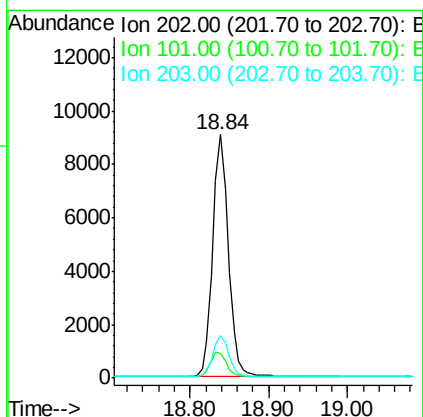
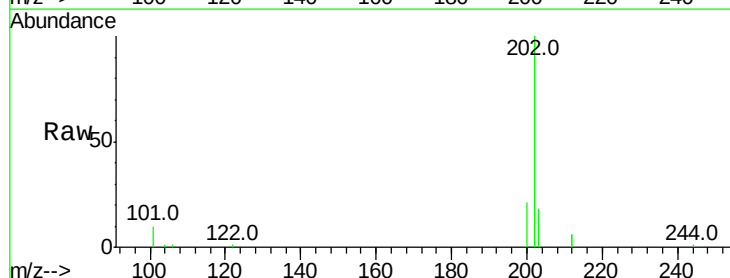
RT: 18.84 min Scan# 1508

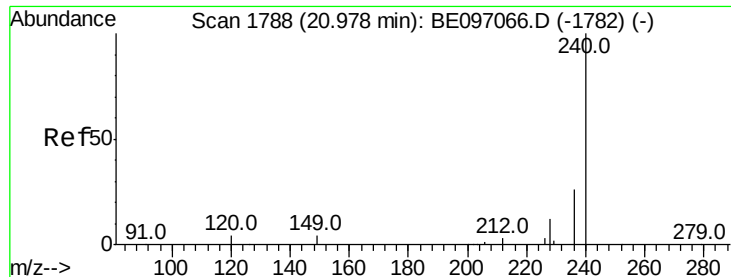
Delta R.T. -0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Tgt Ion:202	Resp:	12372
Ion Ratio	Lower	Upper
202 100		
101 10.7	9.8	14.8
203 17.2	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

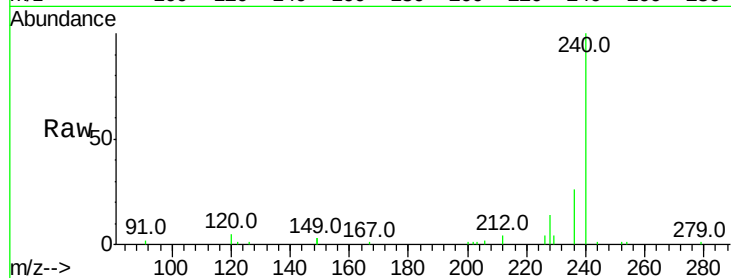
Tot Ion:240 Resp: 10878

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

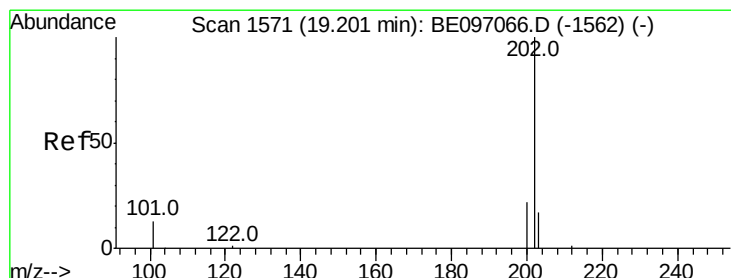
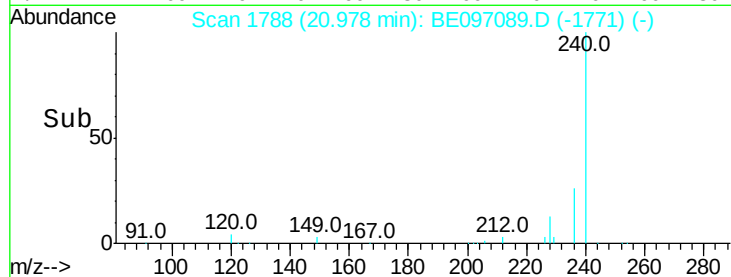
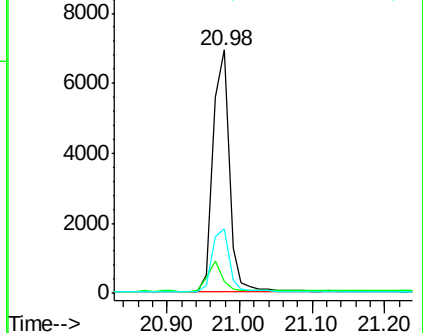
236 26.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.413 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

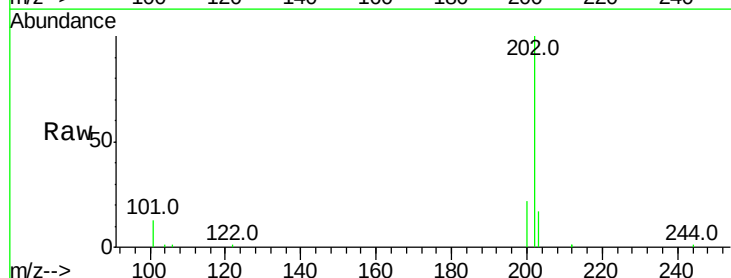
Tgt Ion:202 Resp: 12316

Ion Ratio Lower Upper

202 100

200 21.4 16.6 25.0

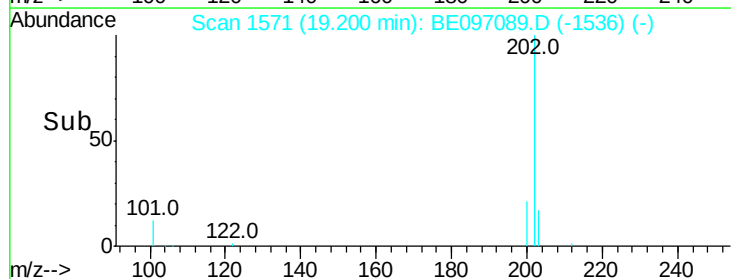
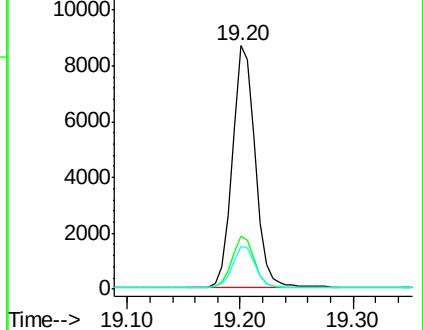
203 17.3 13.8 20.8

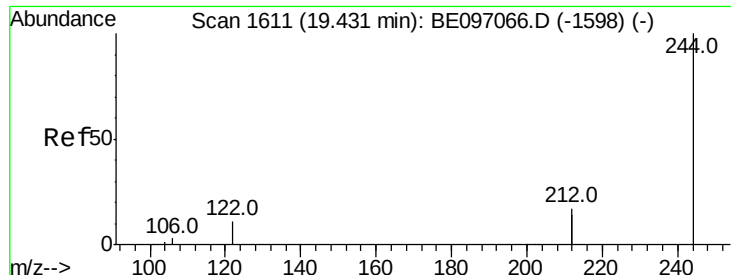


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

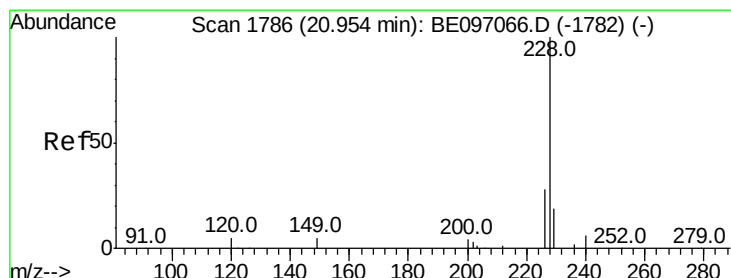
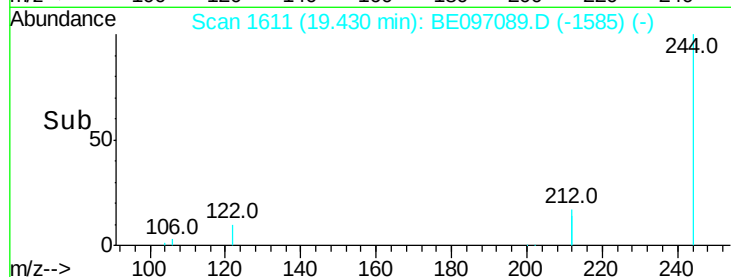
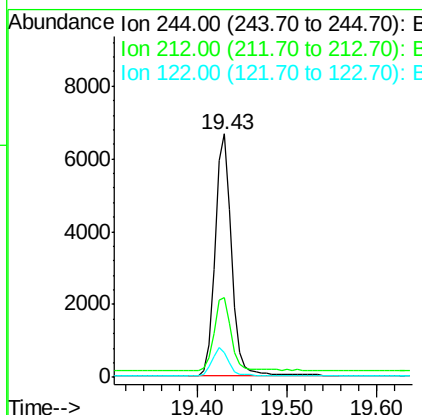
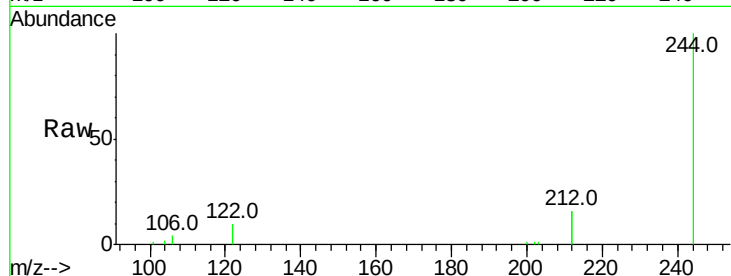




#29
 Terphenyl-d14
 Concen: 0.405 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BE097089.D
 Acq: 25 Jul 2018 1:58

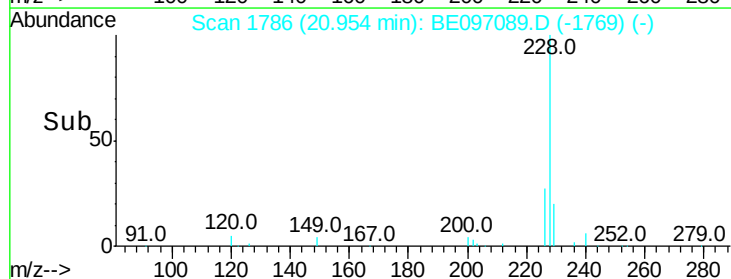
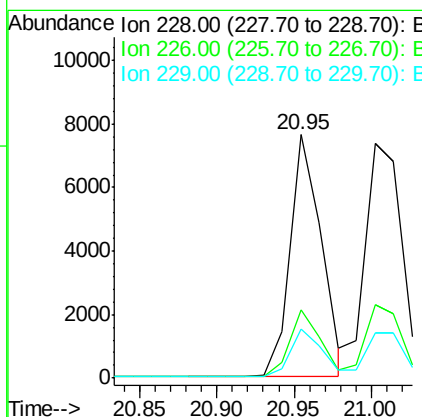
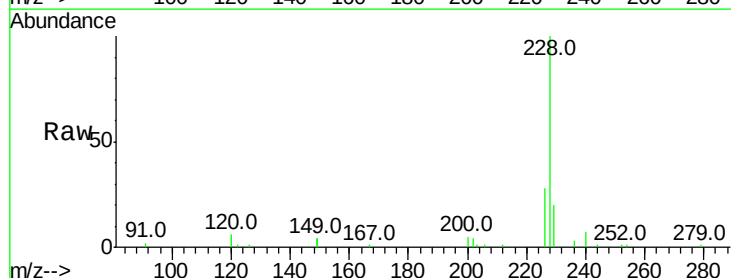
Instrument :
 BNA_E
 ClientSampleId :

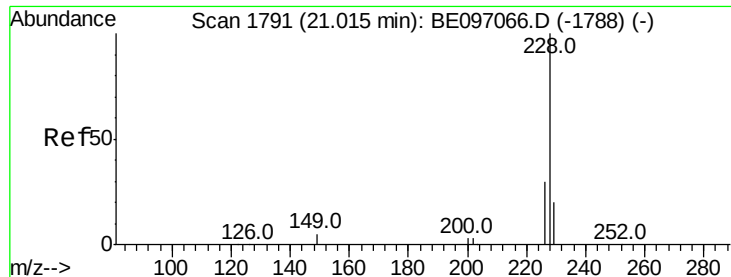
Tot Ion:244 Resp: 8459
 Ion Ratio Lower Upper
 244 100
 212 32.8 25.4 38.0
 122 10.3 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.397 ng
 RT: 20.95 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097089.D
 Acq: 25 Jul 2018 1:58

Tgt Ion:228 Resp: 10752
 Ion Ratio Lower Upper
 228 100
 226 27.9 24.0 36.0
 229 20.0 16.0 24.0





#31

Chrysene

Concen: 0.421 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

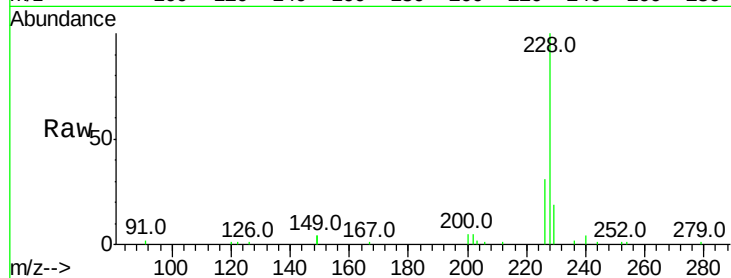
Tot Ion:228 Resp: 12216

Ion Ratio Lower Upper

228 100

226 31.3 24.0 36.0

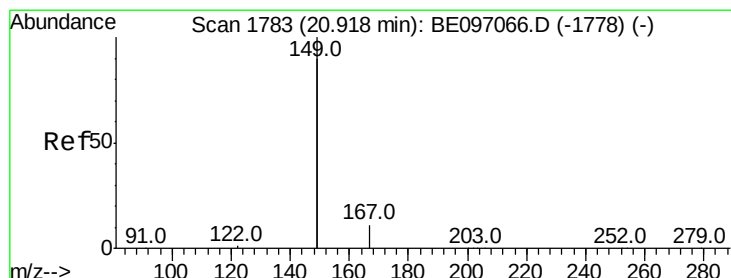
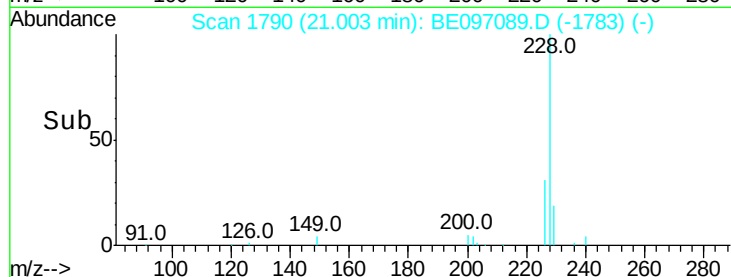
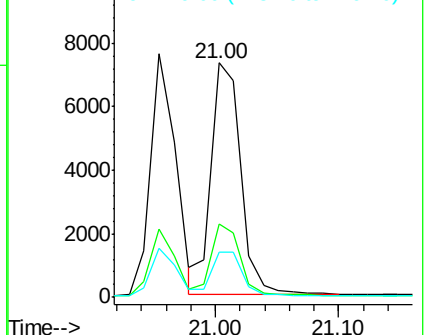
229 19.3 16.0 24.0



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: 0.485 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

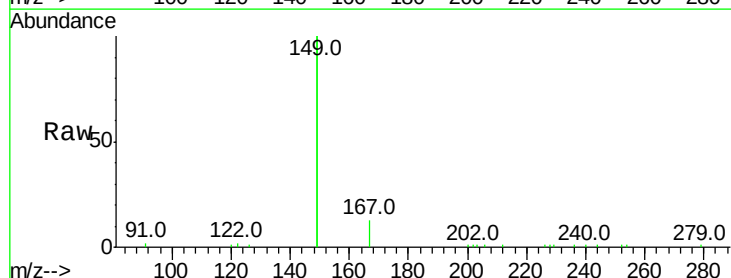
Tgt Ion:149 Resp: 13985

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

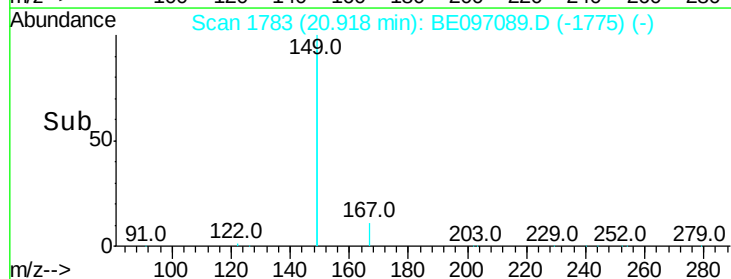
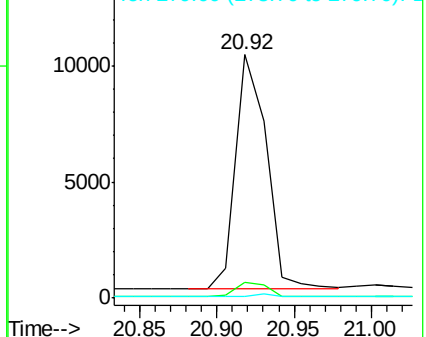
279 0.9 0.7 1.1

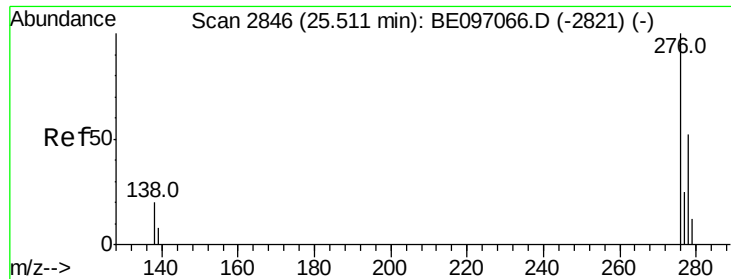


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.415 ng

RT: 25.51 min Scan# 2845

Delta R.T. -0.00 min

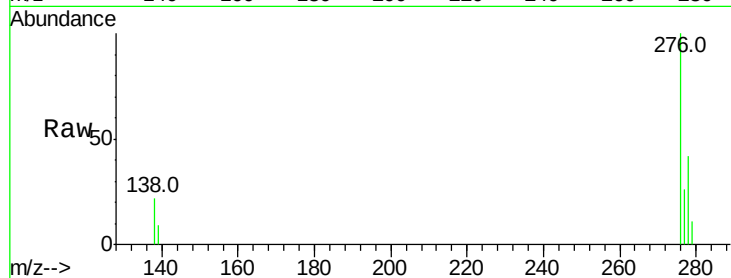
Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

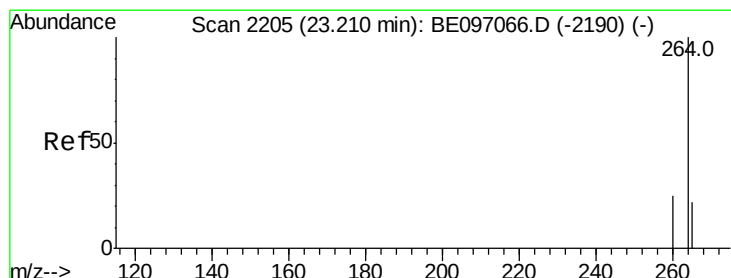
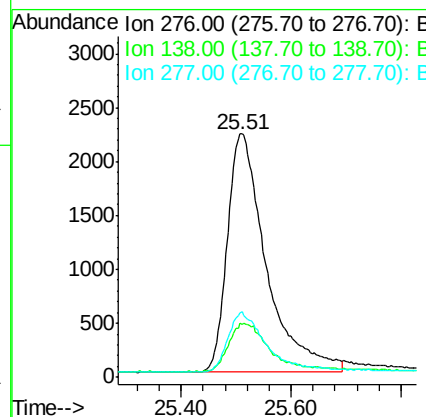
Instrument :

BNA_E

ClientSampleId :



Tot Ion:276	Resp:	10894
Ion Ratio	Lower	Upper
276	100	
138	20.8	22.5 33.7#
277	24.0	19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

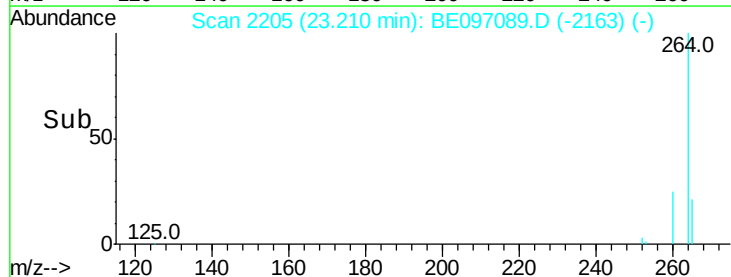
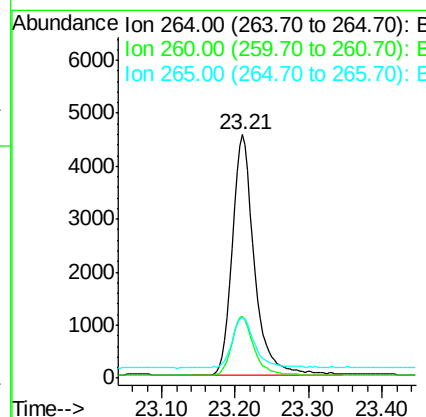
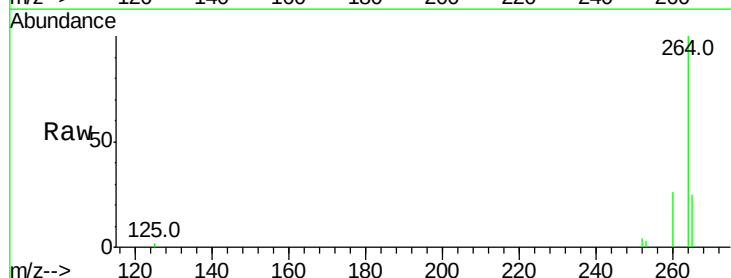
RT: 23.21 min Scan# 2205

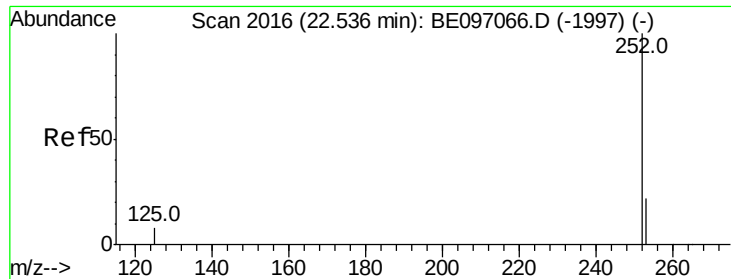
Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Tgt Ion:264	Resp:	9716
Ion Ratio	Lower	Upper
264	100	
260	25.5	20.5 30.7
265	25.1	22.8 34.2

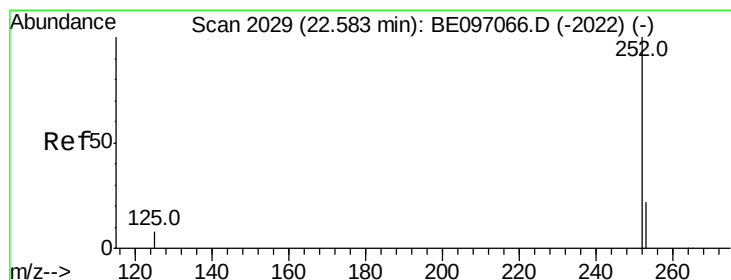
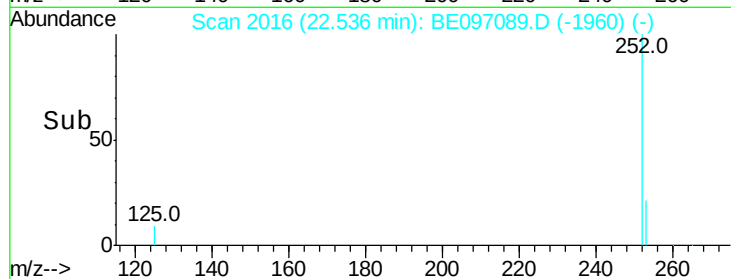
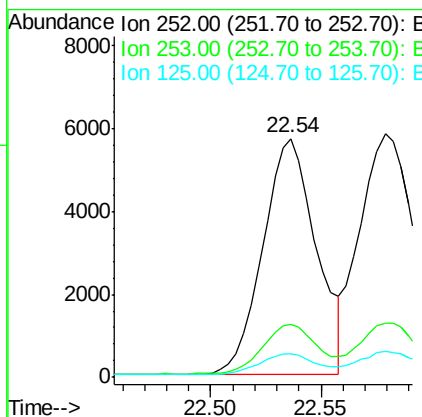
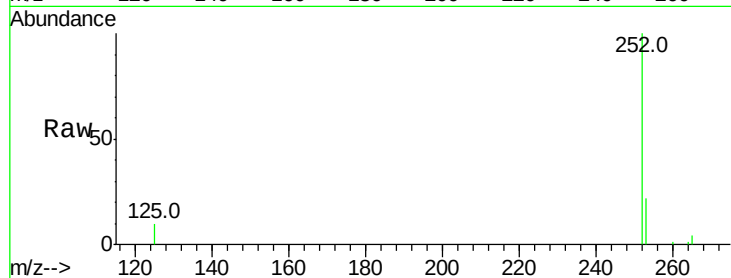




#35
Benzo(b)fluoranthene
Concen: 0.389 ng
RT: 22.54 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

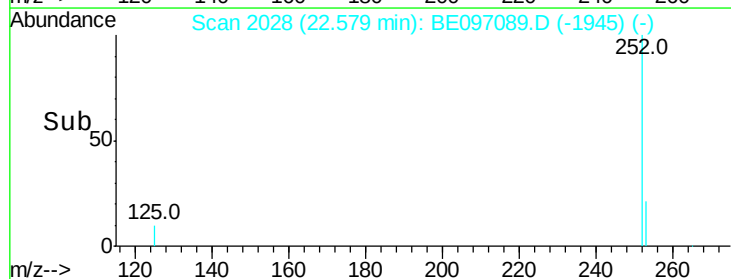
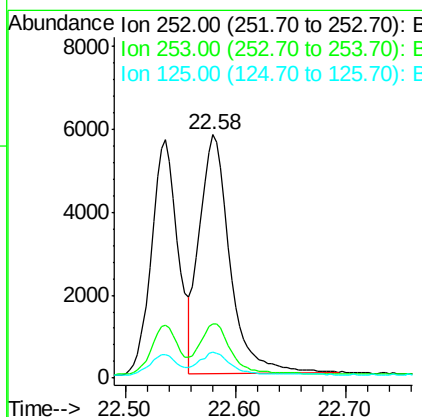
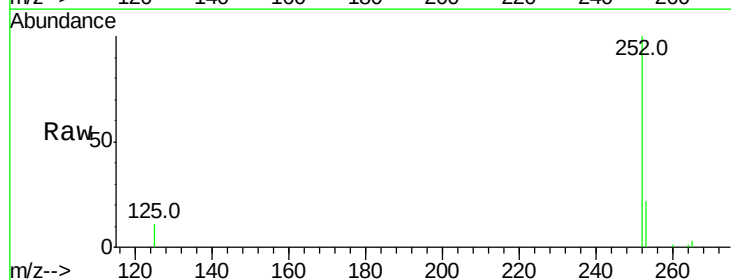
Instrument :
BNA_E
ClientSampleId :

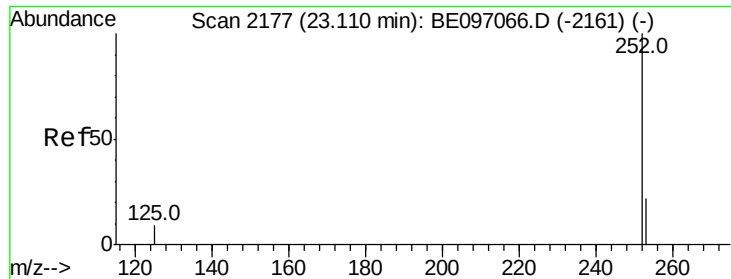
Tot Ion:252 Resp: 9601
Ion Ratio Lower Upper
252 100
253 22.3 20.0 30.0
125 9.8 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.386 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:252 Resp: 11099
Ion Ratio Lower Upper
252 100
253 22.2 16.0 24.0
125 10.7 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.400 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :

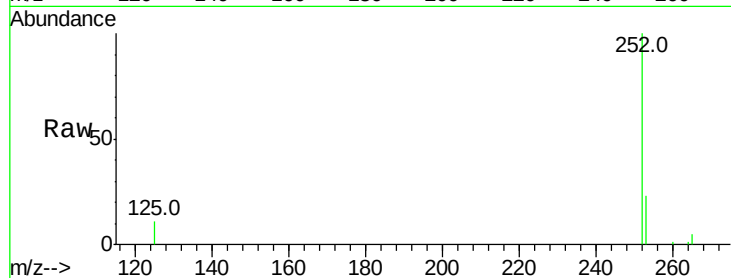
Tot Ion:252 Resp: 9271

Ion Ratio Lower Upper

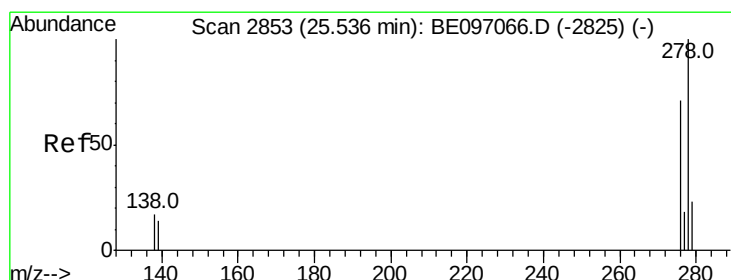
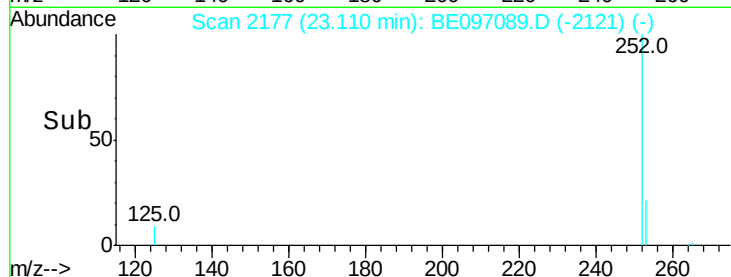
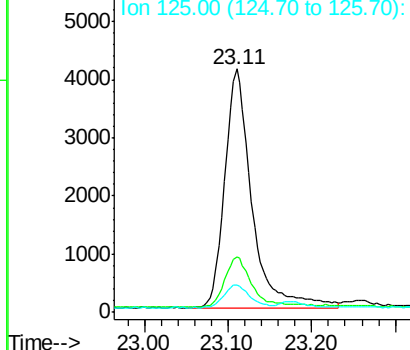
252 100

253 23.0 16.0 24.0

125 11.1 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.389 ng

RT: 25.54 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

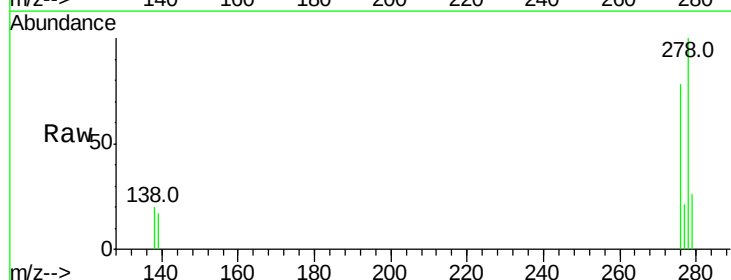
Tgt Ion:278 Resp: 9001

Ion Ratio Lower Upper

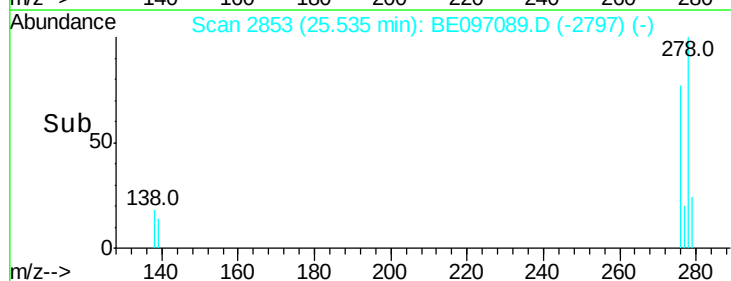
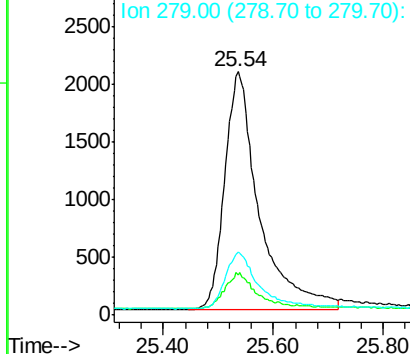
278 100

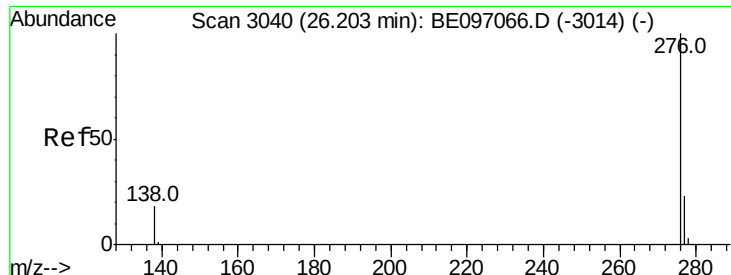
139 16.6 16.0 24.0

279 25.7 20.0 30.0



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





#39

Benzo(a,h,i)perylene

Concen: 0.385 ng

RT: 26.20 min Scan# 3040

Delta R.T. -0.00 min

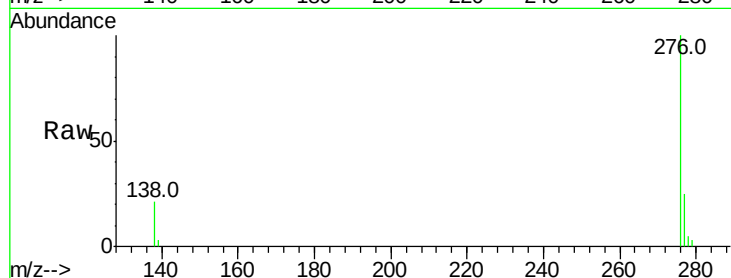
Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Instrument :

BNA_E

ClientSampleId :



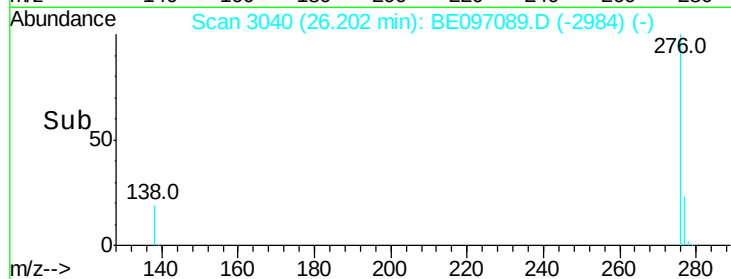
Tot Ion:276 Resp: 9464

Ion Ratio Lower Upper

276 100

277 24.5 16.0 24.0#

138 20.7 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

