

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 :
 SSTDCCC0.4

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						
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

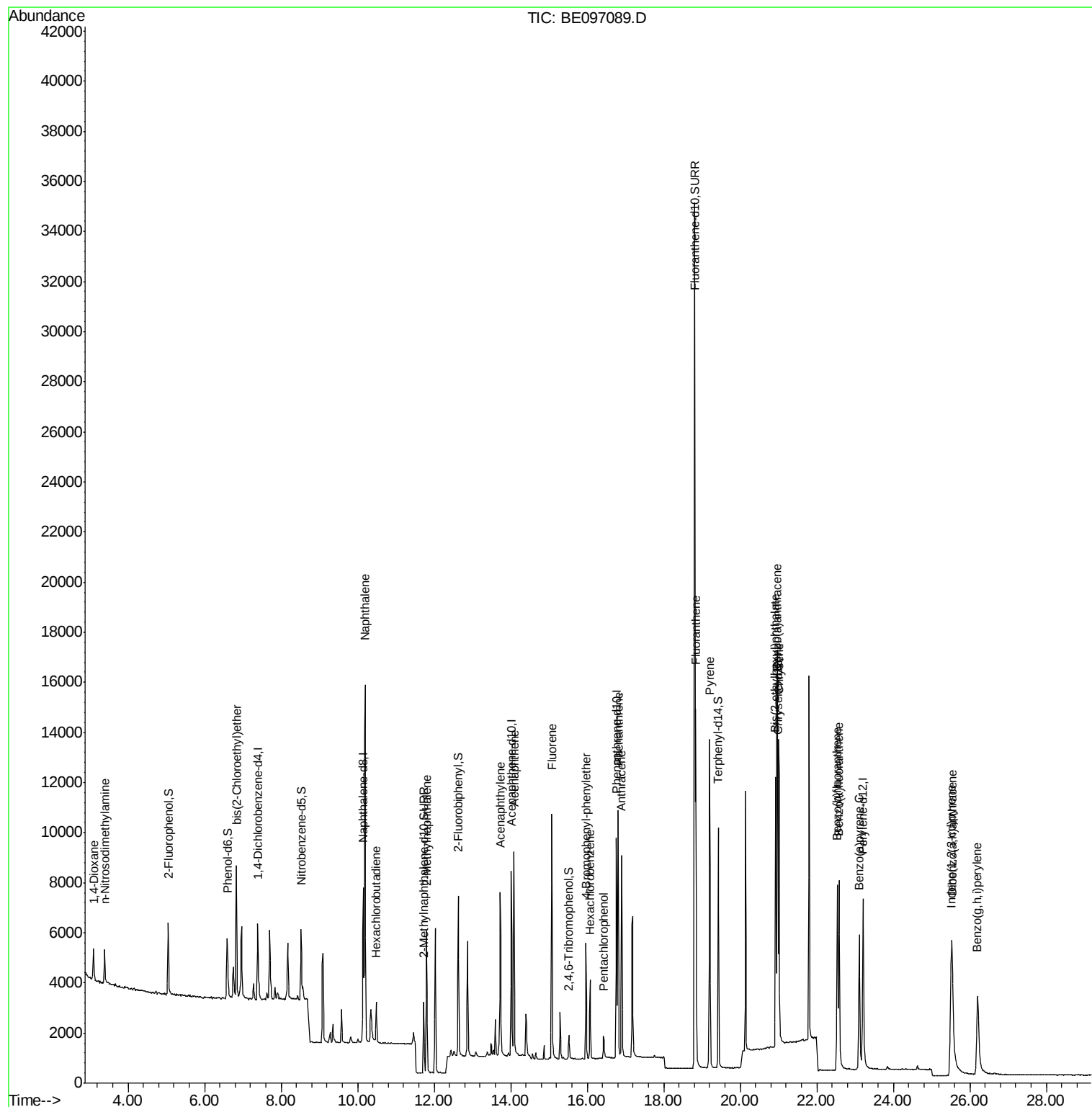
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	844	0.401	ng	# 90
3) n-Nitrosodimethylamine	3.38	42	943	0.401	ng	# 93
6) bis(2-Chloroethyl)ether	6.84	93	2097	0.421	ng	# 87
9) Naphthalene	10.20	128	24232	0.401	ng	# 100
10) Hexachlorobutadiene	10.48	225	1077	0.398	ng	# 99
12) 2-Methylnaphthalene	11.80	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

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Sample : SSTDCCC0.4
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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 :

SSTDCCC0.4

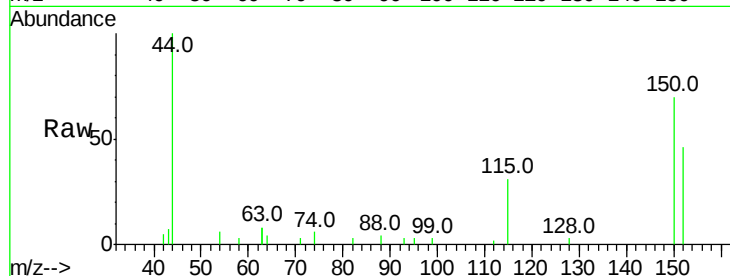
Tot Ion:152 Resp: 1323

Ion Ratio Lower Upper

152 100

150 152.4 117.2 175.8

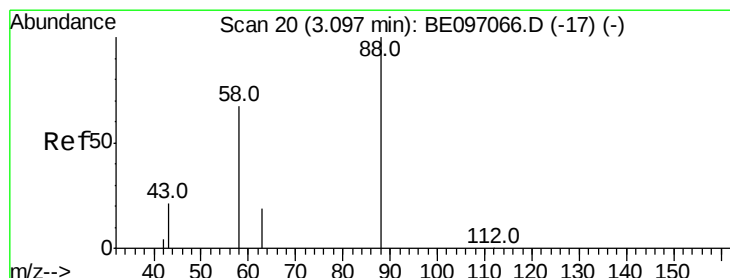
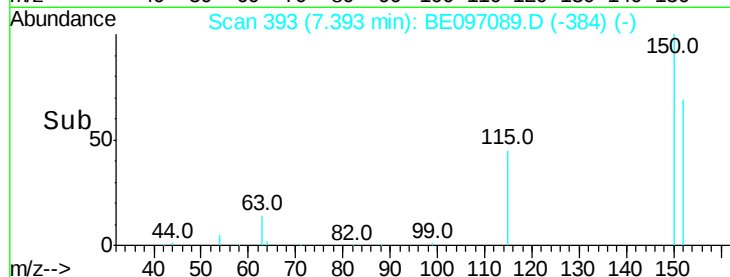
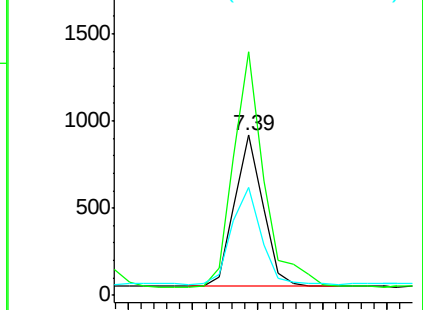
115 67.6 57.0 85.6



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

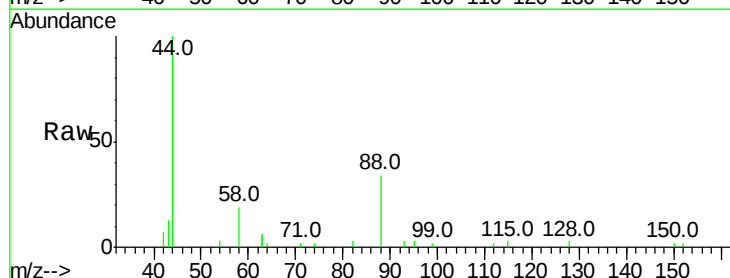
Tgt Ion: 88 Resp: 844

Ion Ratio Lower Upper

88 100

58 82.2 63.2 94.8

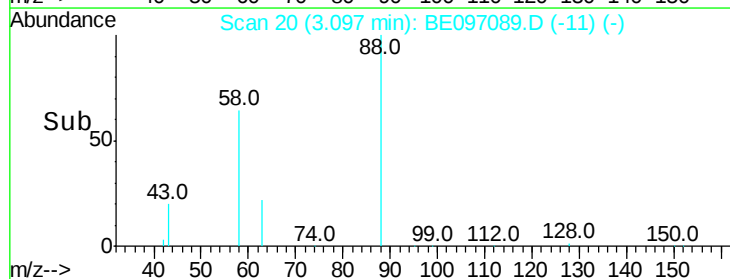
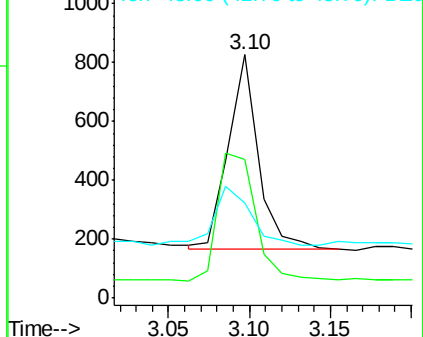
43 38.4 41.2 61.8#



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

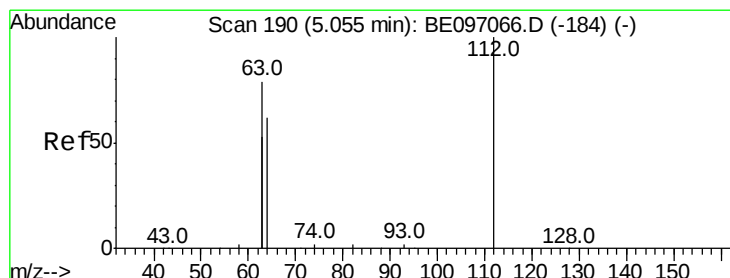
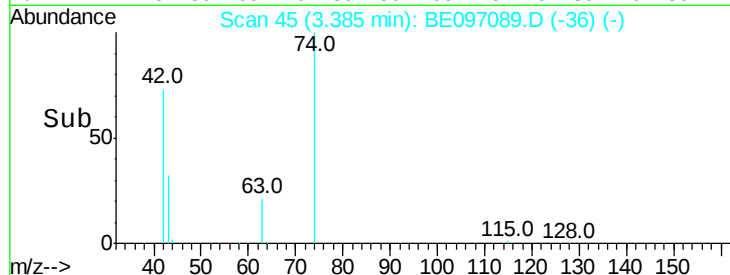
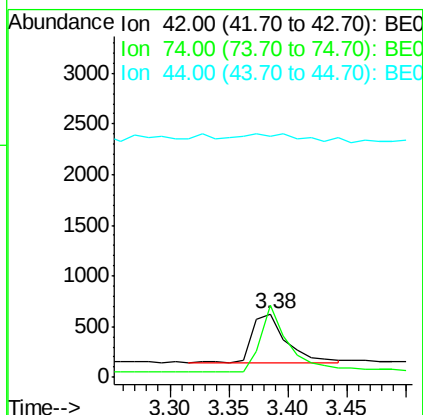
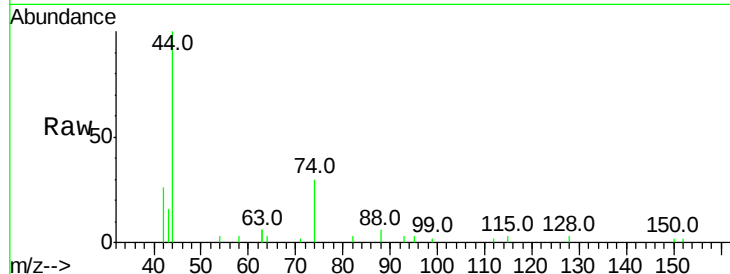




#3
 n-Nitrosodimethylamine
 Concen: 0.401 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE097089.D
 Acq: 25 Jul 2018 1:58

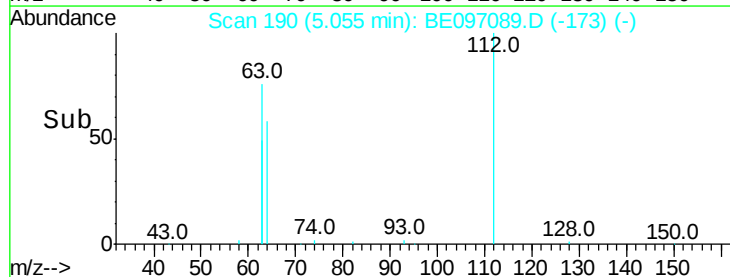
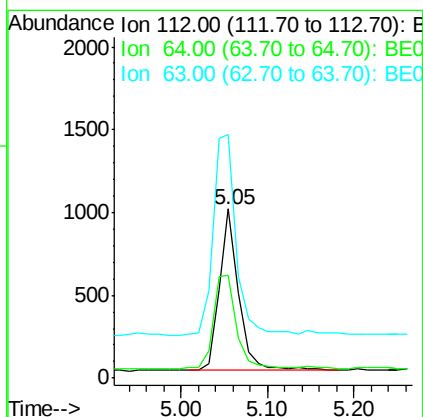
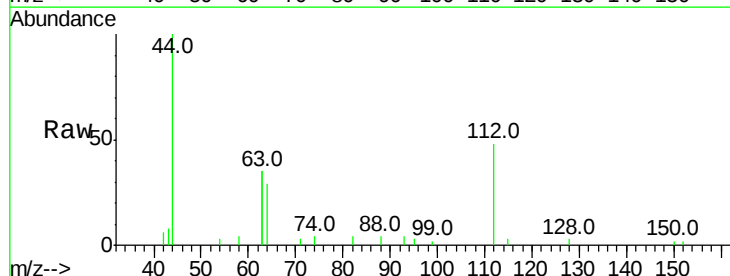
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

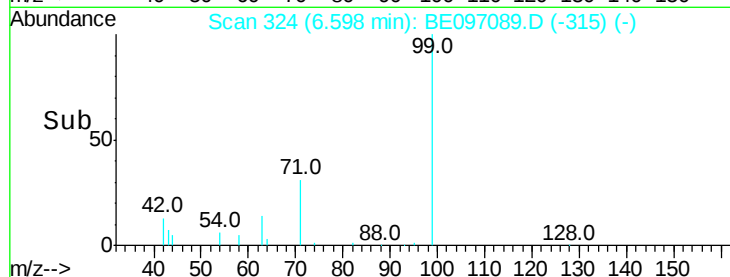
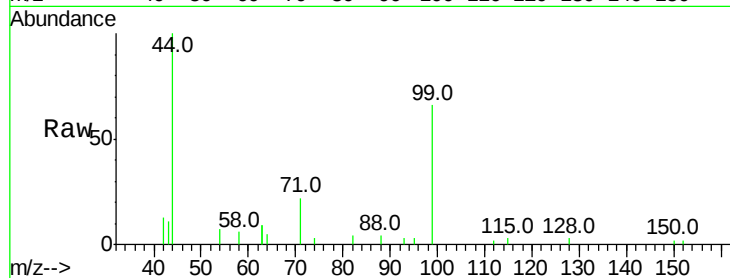
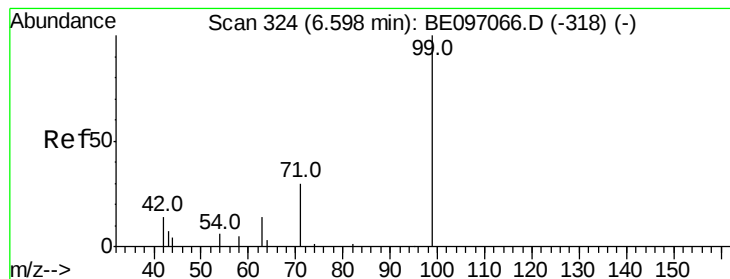
Tot Ion: 42 Resp: 943
 Ion Ratio Lower Upper
 42 100
 74 114.5 96.0 144.0
 44 24.3 12.0 18.0#



#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





#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 :

SSTDCCC0.4

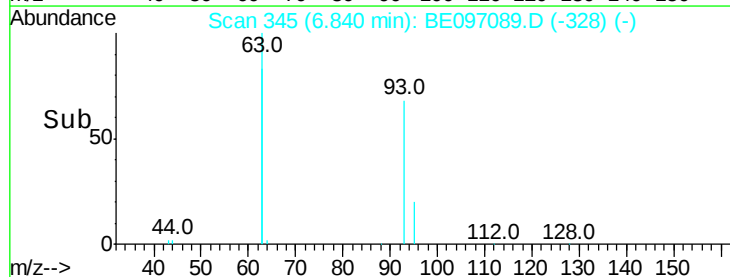
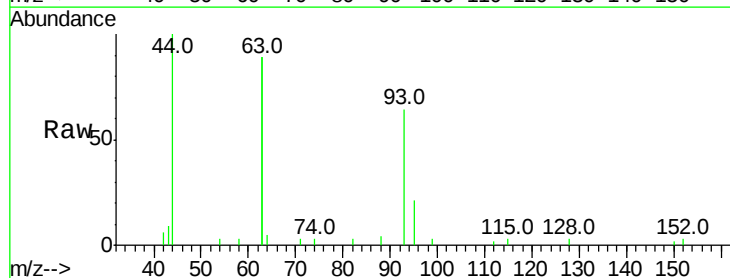
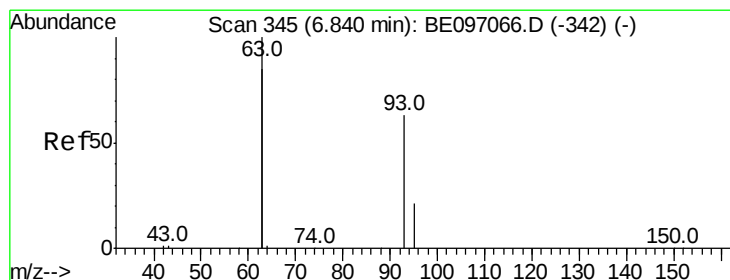
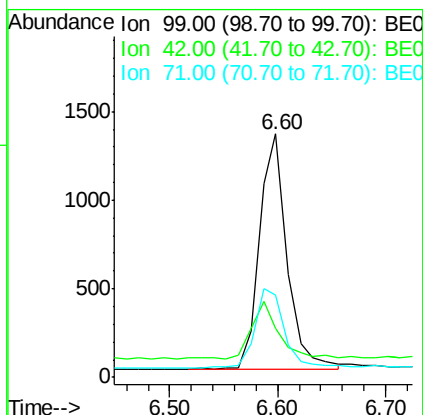
Tot Ion: 99 Resp: 2356

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

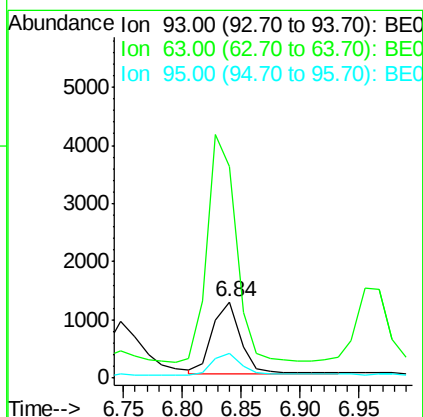
Tgt Ion: 93 Resp: 2097

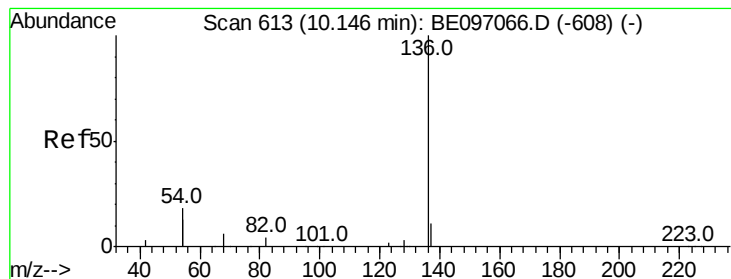
Ion Ratio Lower Upper

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 :

SSTDCCC0.4

Tot Ion:136 Resp: 6727

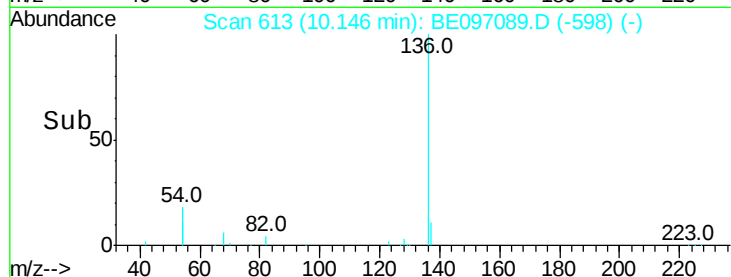
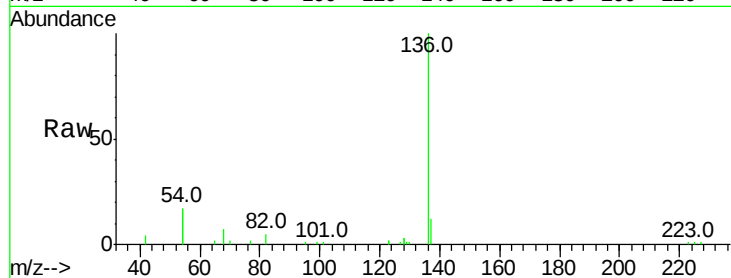
Ion Ratio Lower Upper

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

10.15

4000

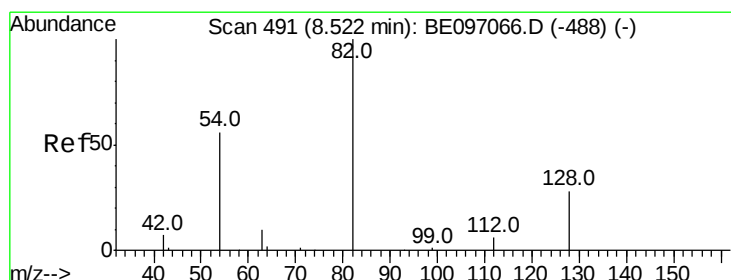
3000

2000

1000

0

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

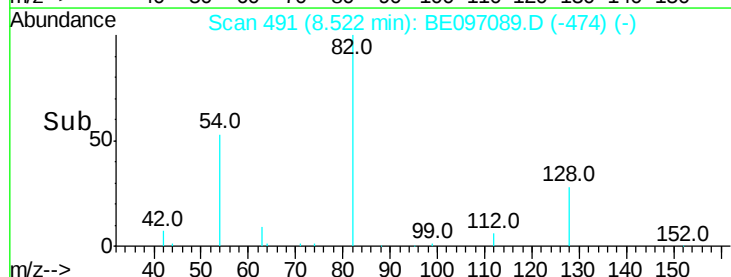
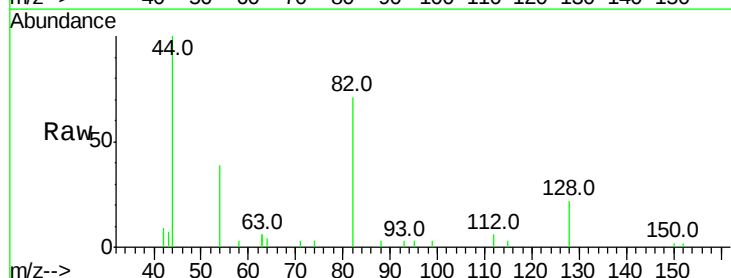
Tgt Ion: 82 Resp: 2393

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

8.52

1500

1000

500

0

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 :

SSTDCCC0.4

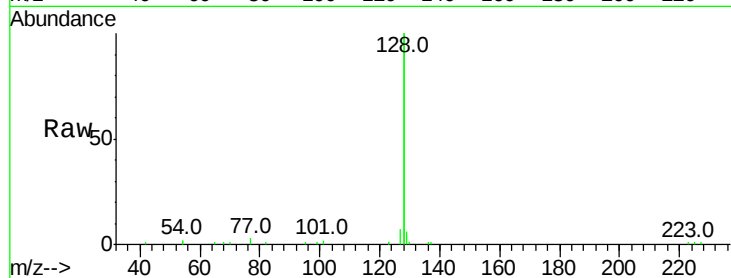
Tot Ion:128 Resp: 24232

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

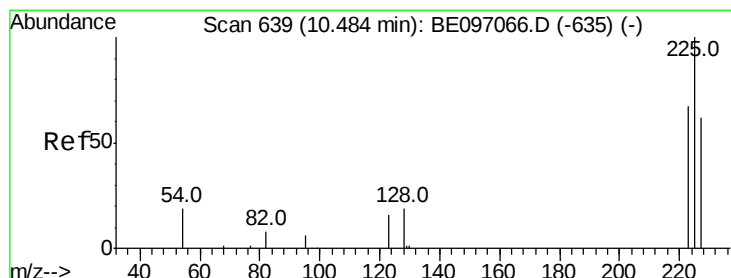
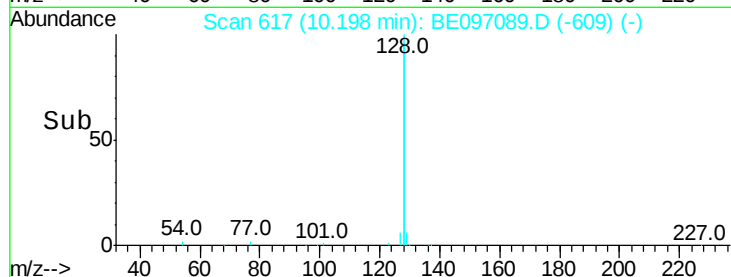
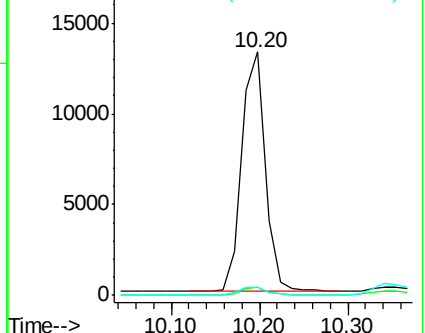
127 3.4 2.8 4.2



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

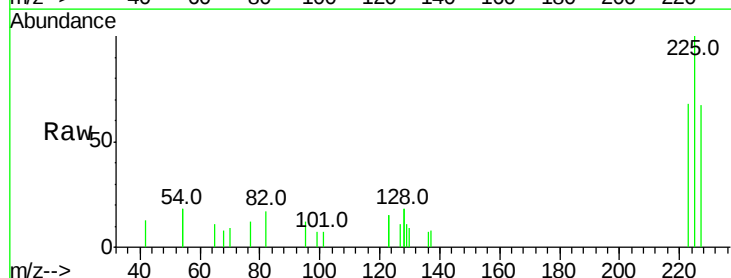
Tgt Ion:225 Resp: 1077

Ion Ratio Lower Upper

225 100

223 64.6 53.0 79.6

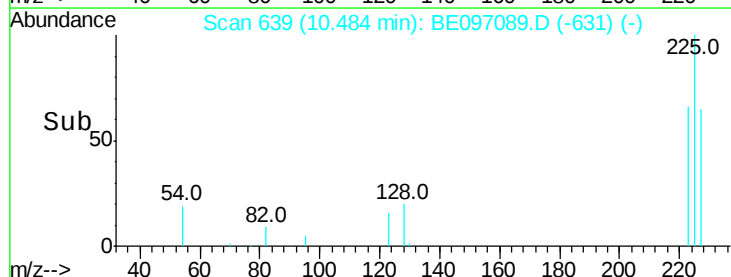
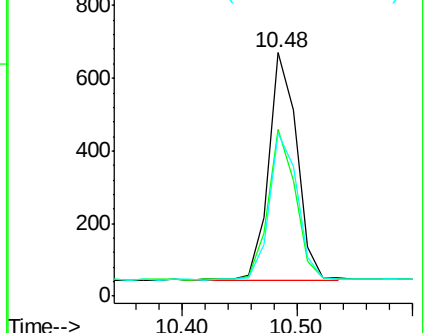
227 64.6 51.4 77.2



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

ClientSampleId :

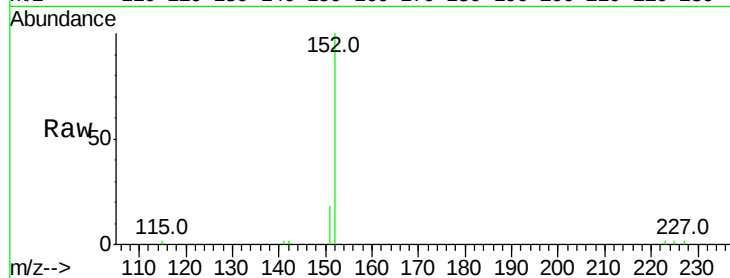
SSTDCCC0.4

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

2500

2000

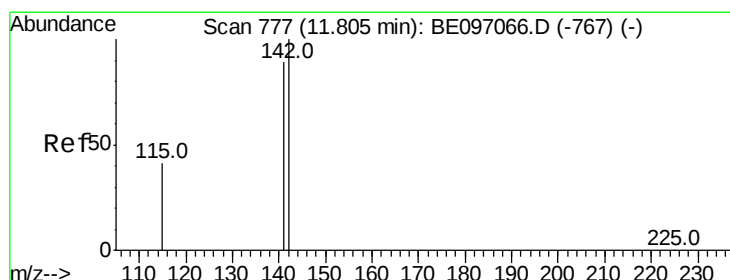
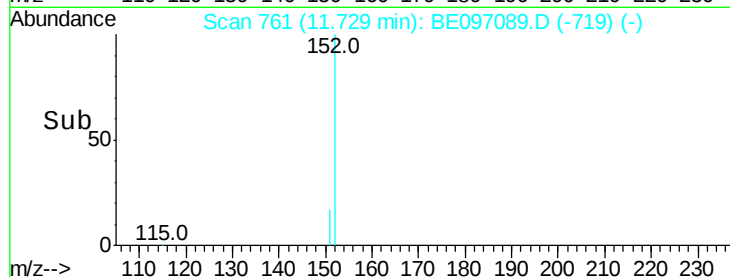
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#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

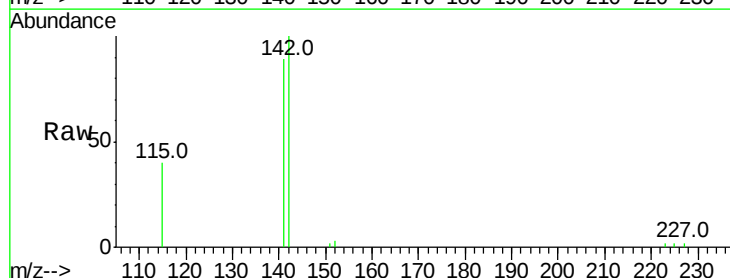
Tgt Ion:142 Resp: 4163

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

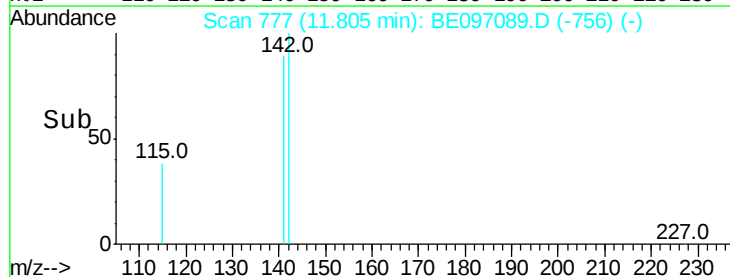
3000

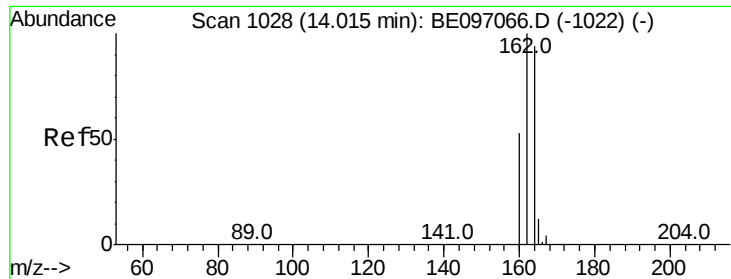
2000

1000

0

Time--> 11.70 11.80 11.90

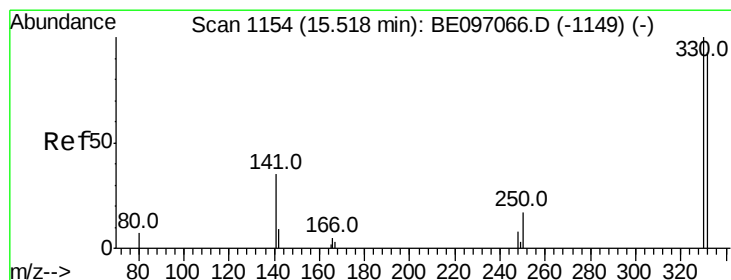
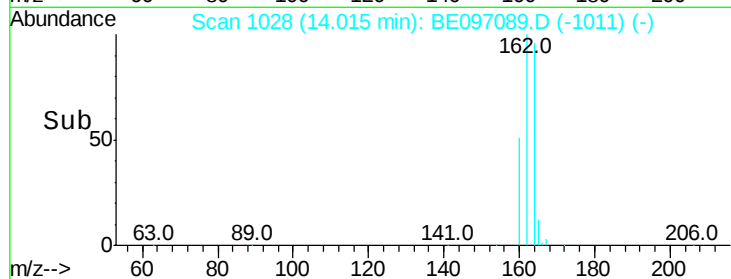
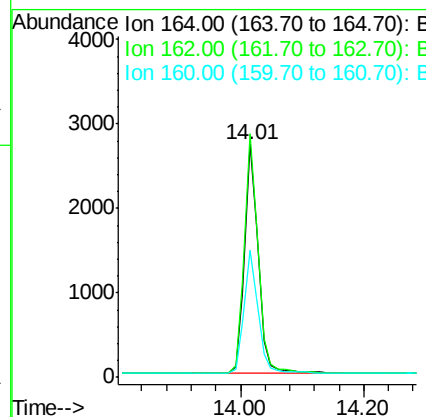
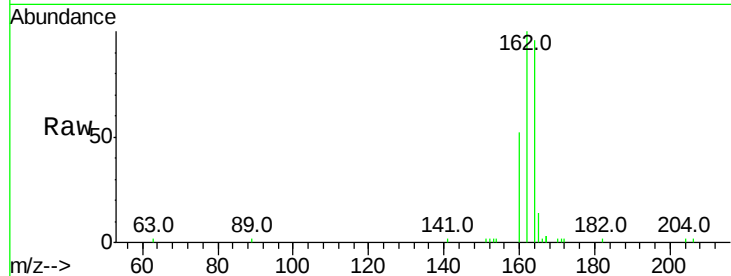




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

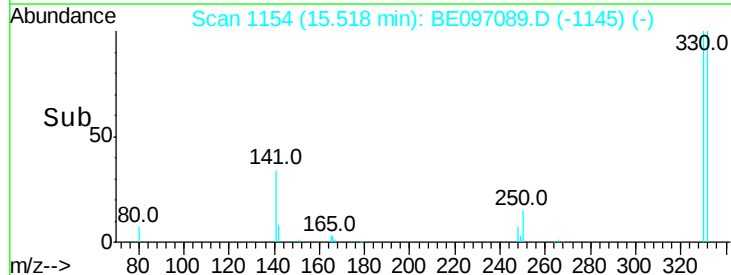
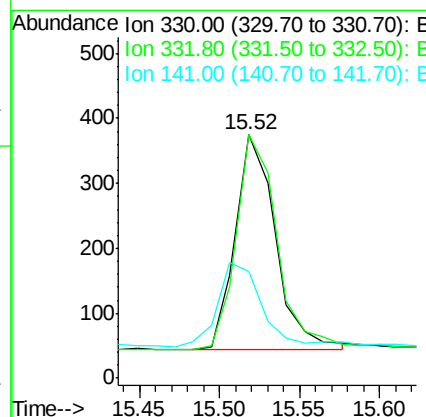
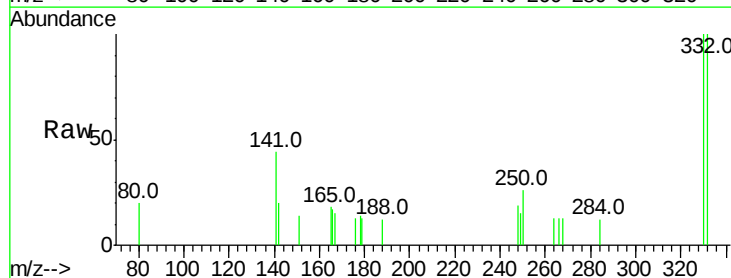
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

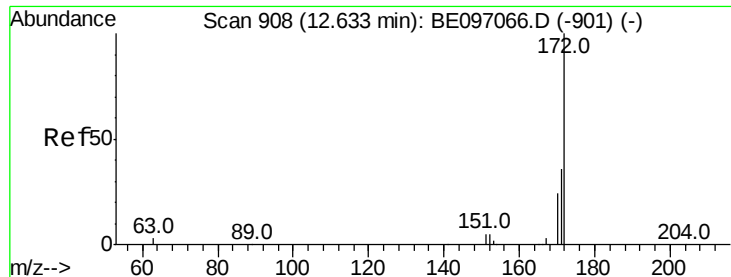
Tot Ion:164 Resp: 4297
Ion Ratio Lower Upper
164 100
162 104.5 83.1 124.7
160 54.3 37.1 55.7



#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

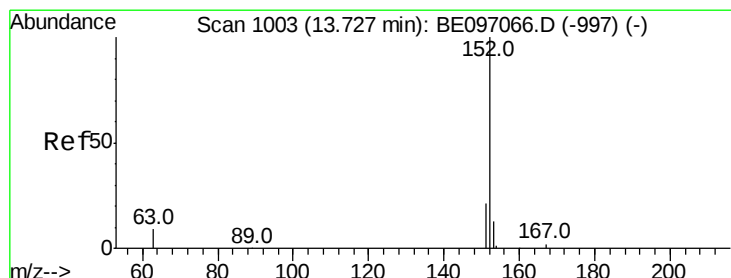
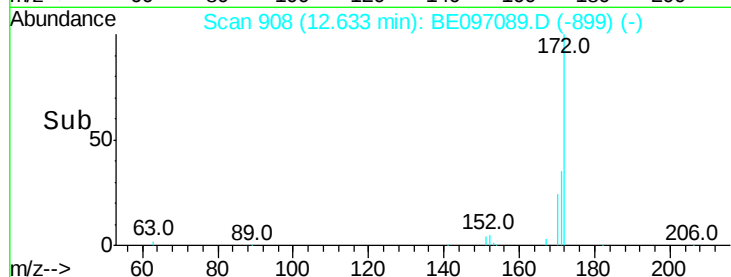
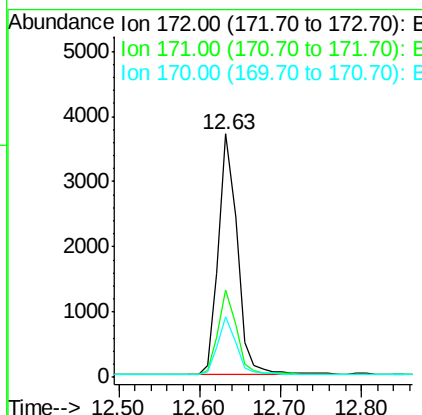
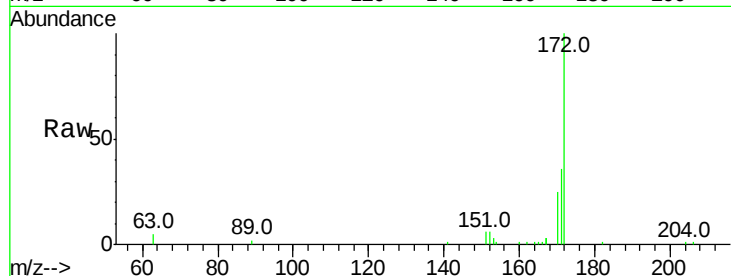




#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

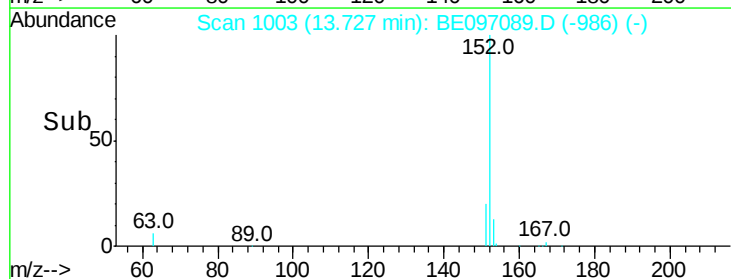
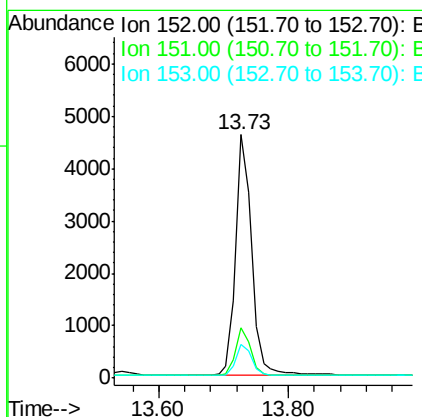
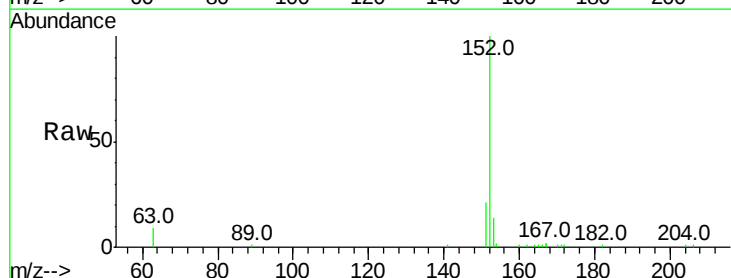
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:172 Resp: 5989
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 25.1 21.8 32.8



#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:152 Resp: 7862
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 13.2 10.5 15.7





#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 :

SSTDCCC0.4

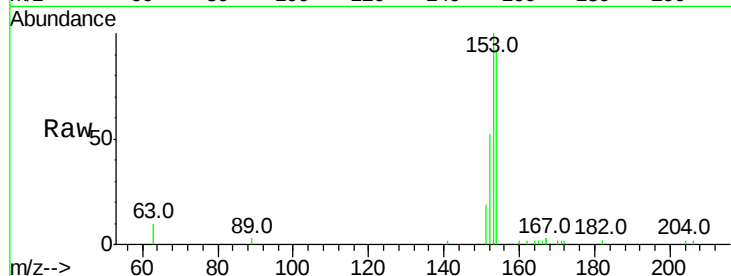
Tot Ion:154 Resp: 4618

Ion Ratio Lower Upper

154 100

153 114.6 89.2 133.8

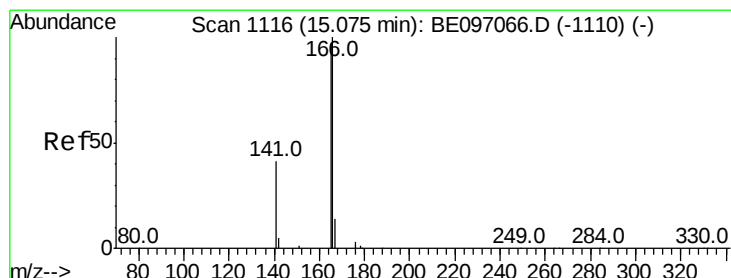
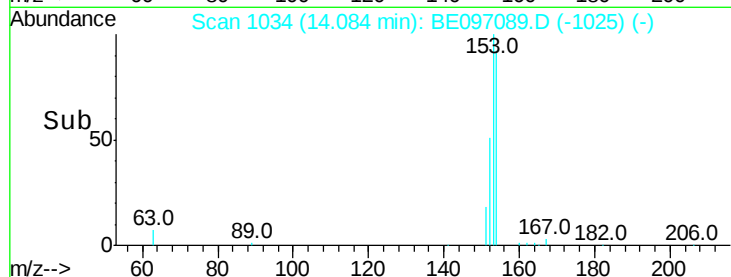
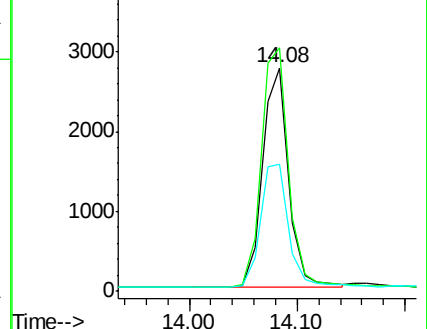
152 61.1 42.0 63.0



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

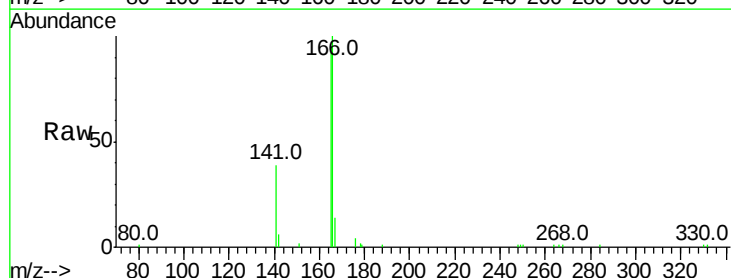
Tgt Ion:166 Resp: 6136

Ion Ratio Lower Upper

166 100

165 98.1 77.8 116.6

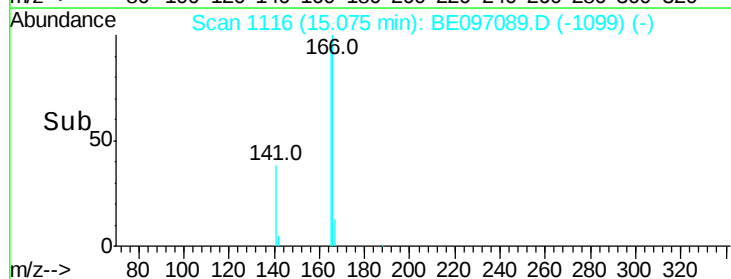
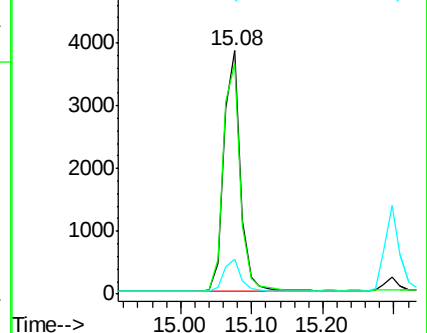
167 13.5 42.4 63.6#

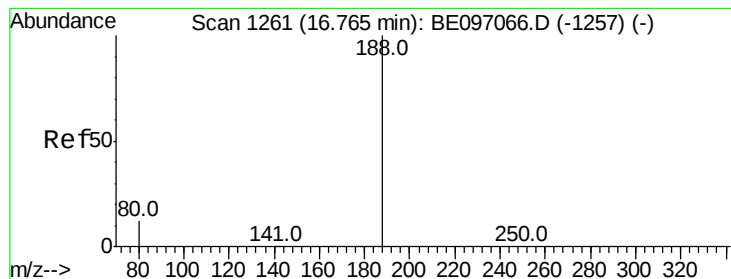


Abundance Ion 166.00 (165.70 to 166.70): E

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 :

SSTDCCC0.4

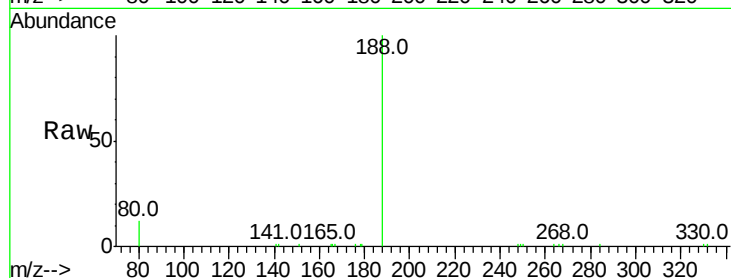
Tot Ion:188 Resp: 11502

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

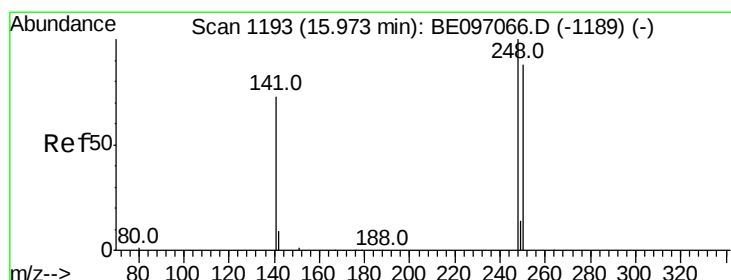
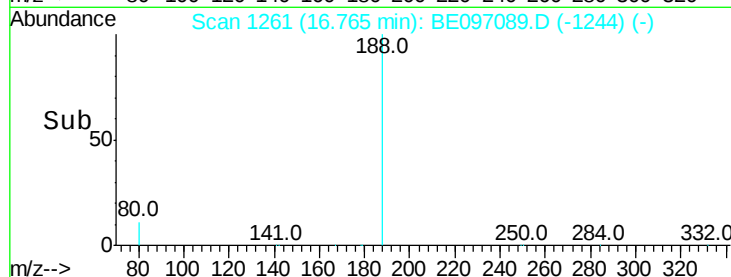
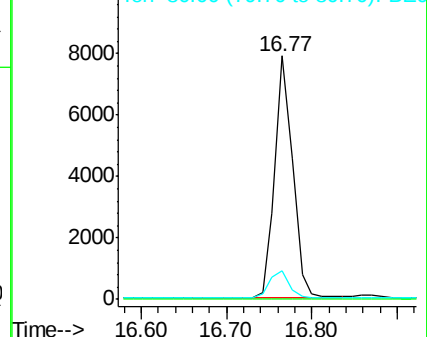
80 11.6 3.6 5.4#



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



#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

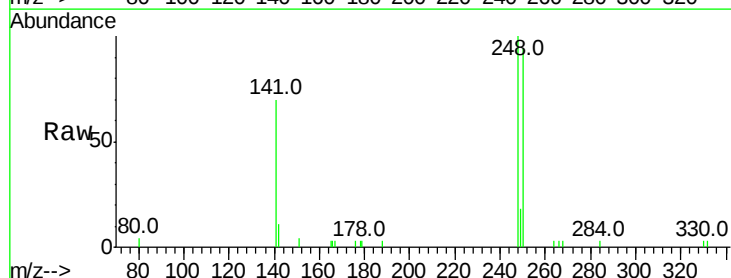
Tgt Ion:248 Resp: 2232

Ion Ratio Lower Upper

248 100

250 94.3 62.7 94.1#

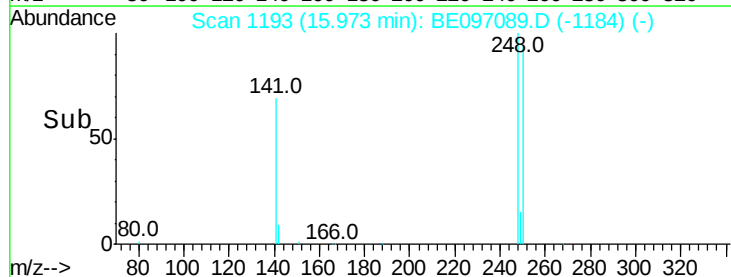
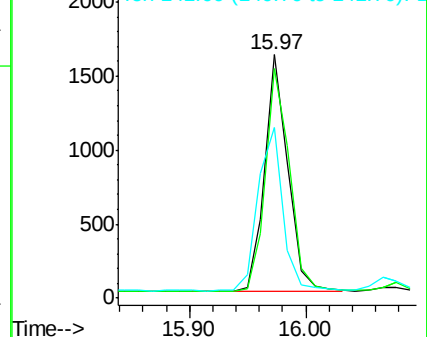
141 70.3 48.2 72.2

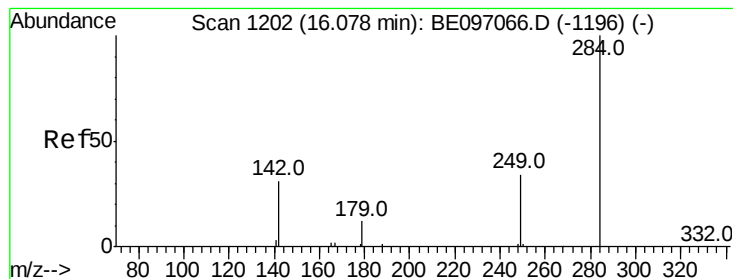


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#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 :

SSTDCCC0.4

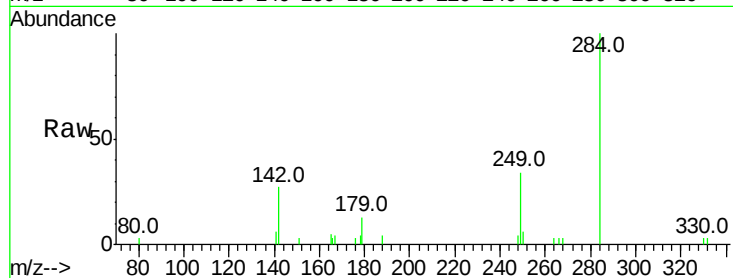
Tot Ion:284 Resp: 2458

Ion Ratio Lower Upper

284 100

142 33.7 22.1 33.1#

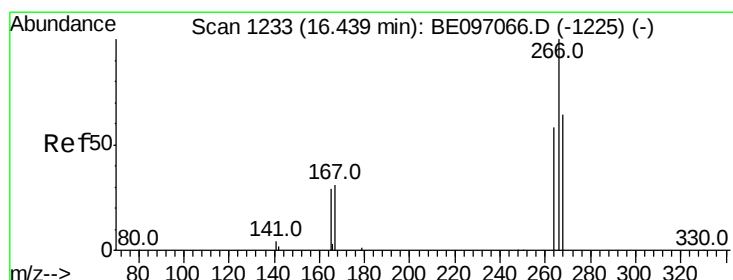
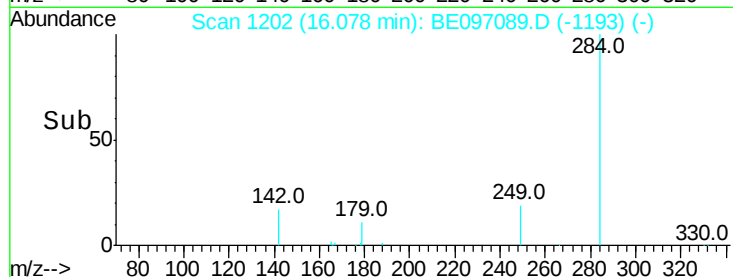
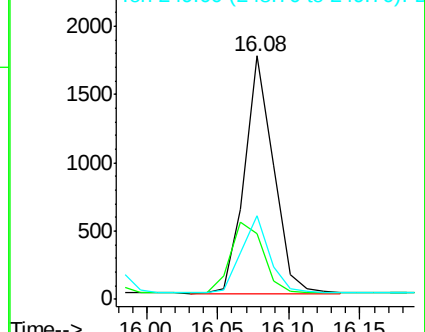
249 31.7 34.8 52.2#



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

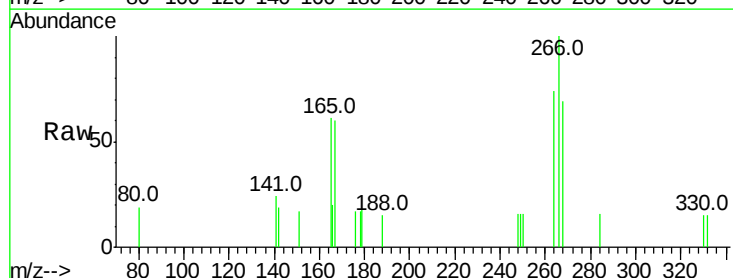
Tgt Ion:266 Resp: 584

Ion Ratio Lower Upper

266 100

264 73.9 72.5 108.7

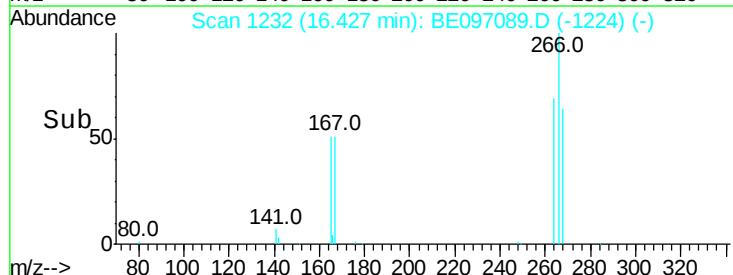
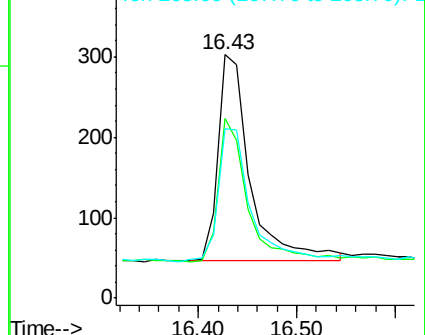
268 69.3 73.8 110.6#



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 :

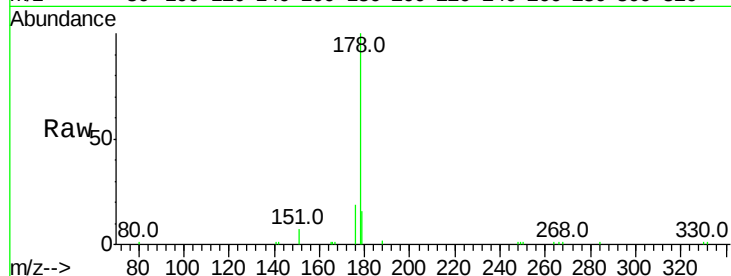
BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:178 Resp: 11136

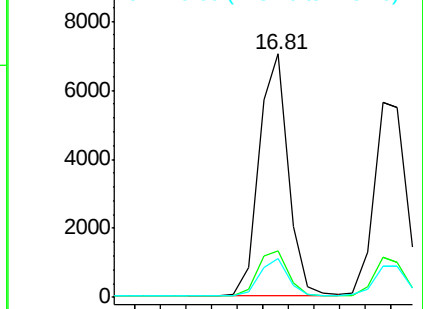
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.2	11.8	17.6



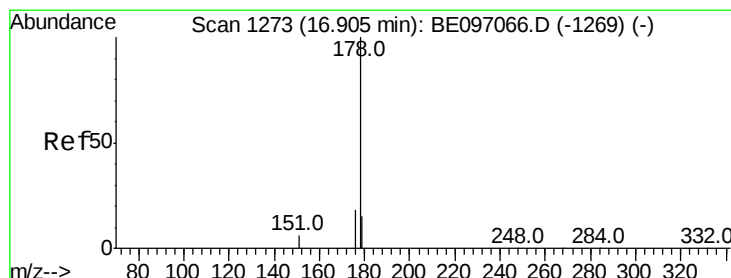
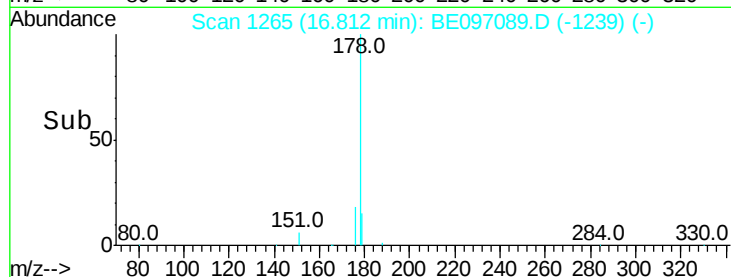
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.403 ng

RT: 16.89 min Scan# 1272

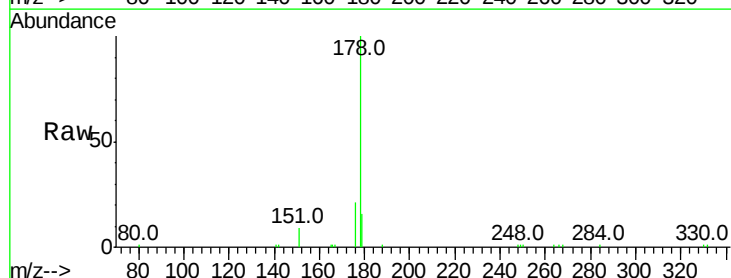
Delta R.T. -0.01 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

Tgt Ion:178 Resp: 9875

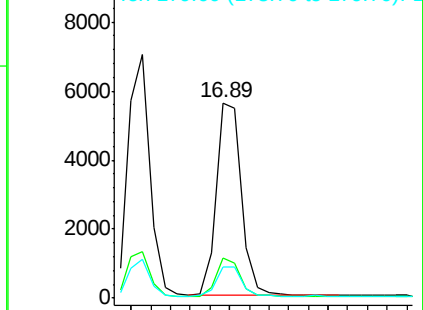
Ion	Ratio	Lower	Upper
178	100		
176	18.7	12.8	19.2
179	14.8	13.0	19.6



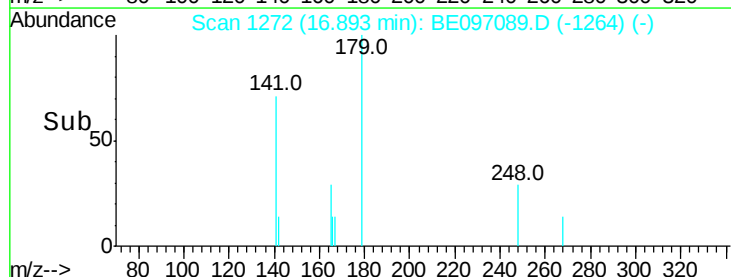
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

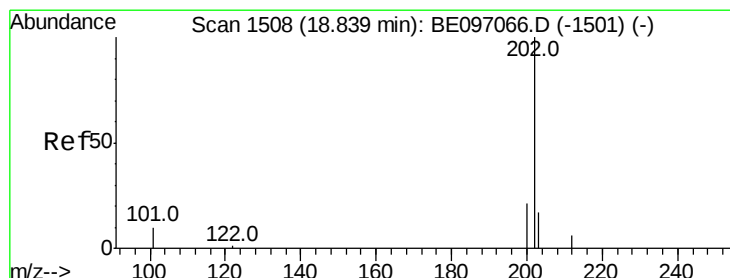
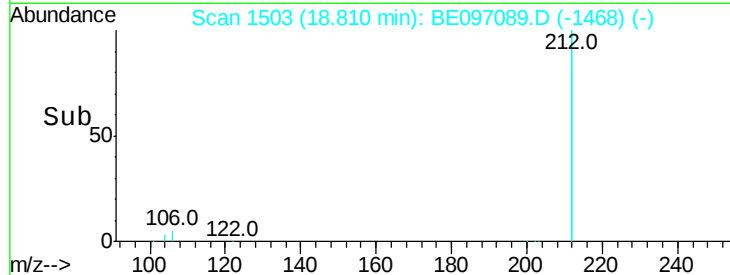
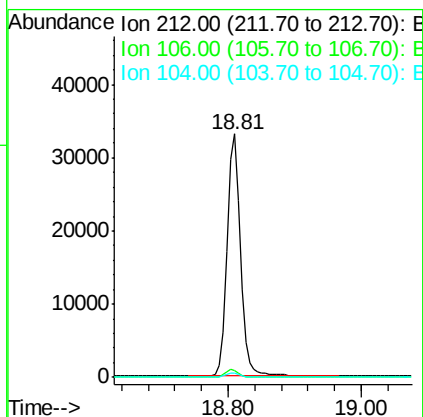
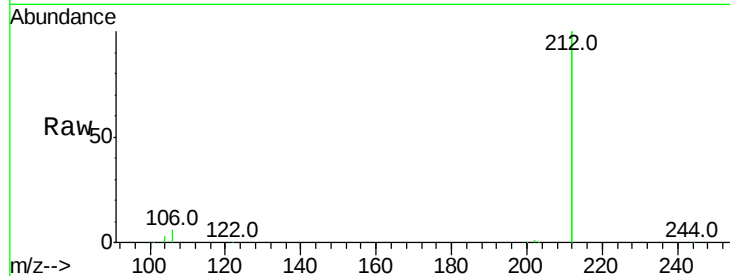




#25
 Fluoranthene-d10
 Concen: 0.401 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. -0.00 min
 Lab File: BE097089.D
 Acq: 25 Jul 2018 1:58

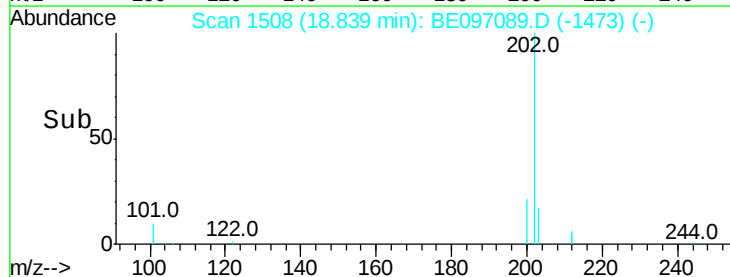
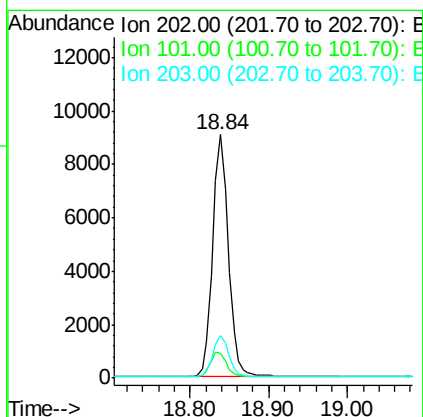
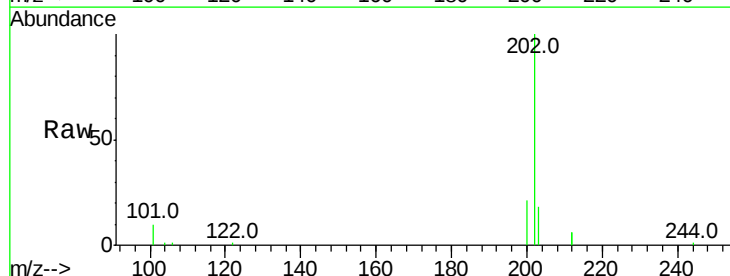
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

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 :

SSTDCCC0.4

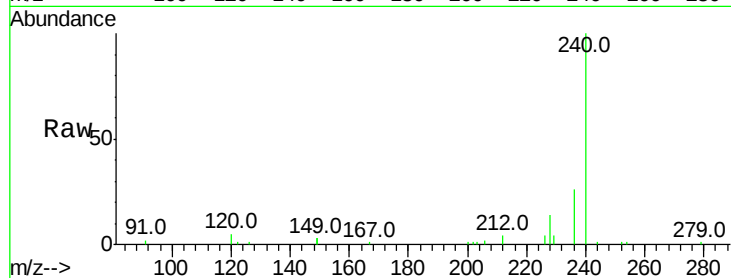
Tot Ion:240 Resp: 10878

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

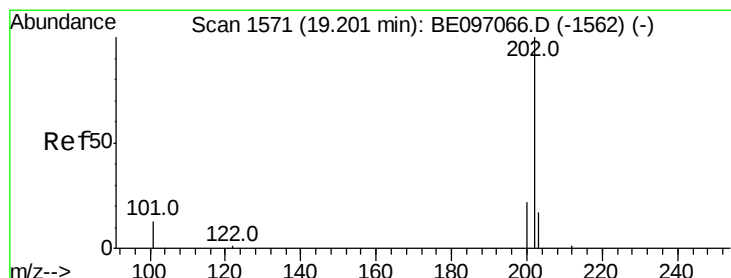
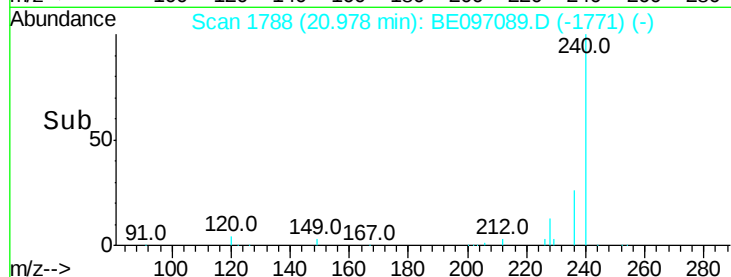
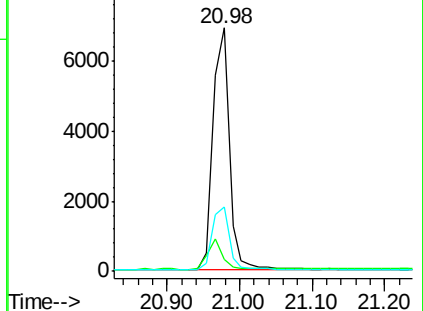
236 26.4 20.7 31.1



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

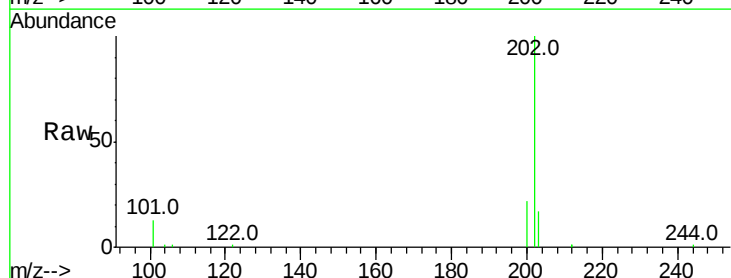
Tgt Ion:202 Resp: 12316

Ion Ratio Lower Upper

202 100

200 21.4 16.6 25.0

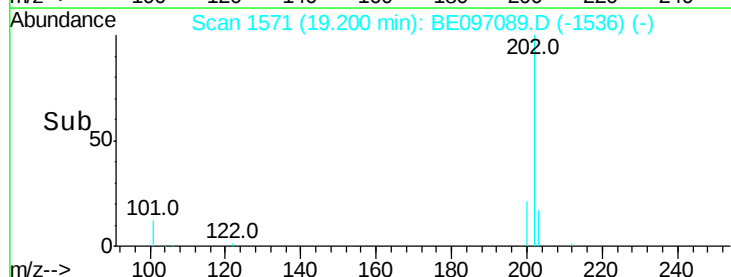
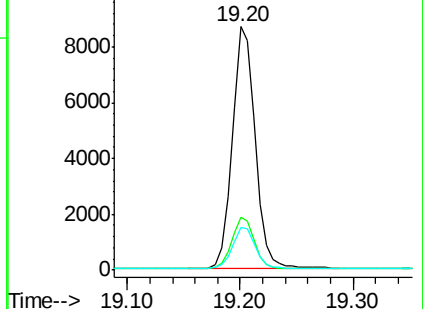
203 17.3 13.8 20.8



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 :

SSTDCCC0.4

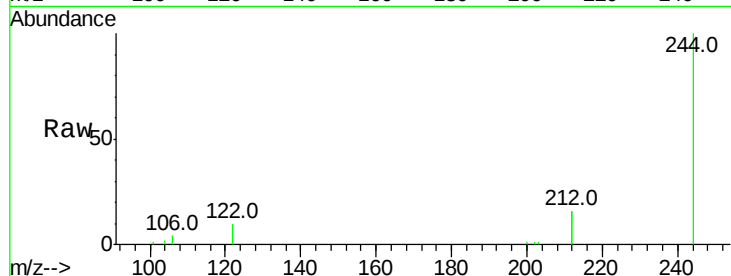
Tot Ion:244 Resp: 8459

Ion Ratio Lower Upper

244 100

212 32.8 25.4 38.0

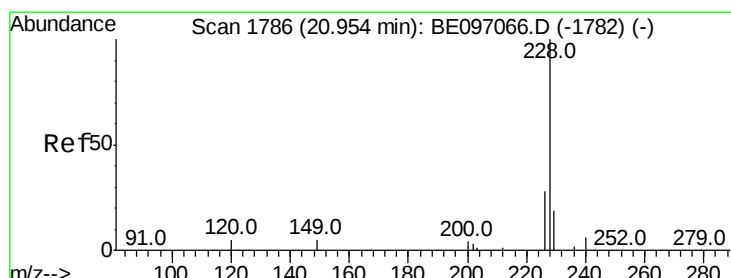
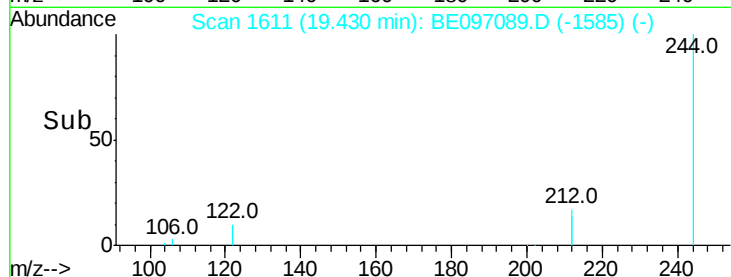
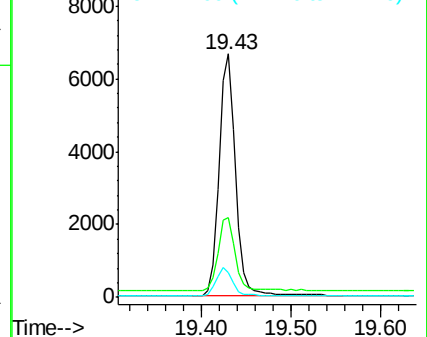
122 10.3 8.1 12.1



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: 0.397 ng

RT: 20.95 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

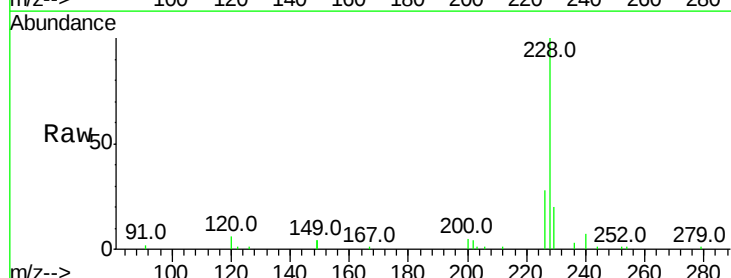
Tgt Ion:228 Resp: 10752

Ion Ratio Lower Upper

228 100

226 27.9 24.0 36.0

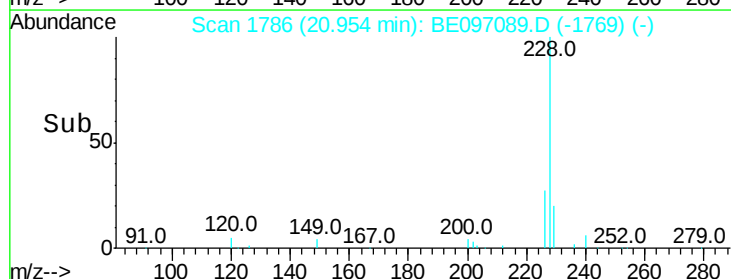
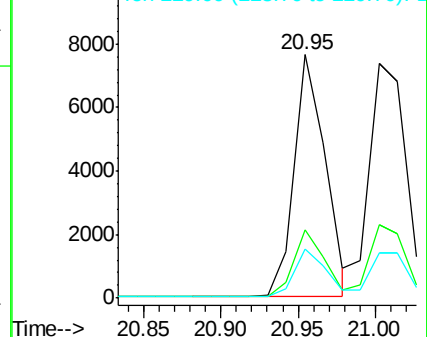
229 20.0 16.0 24.0



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: 0.421 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 :

SSTDCCC0.4

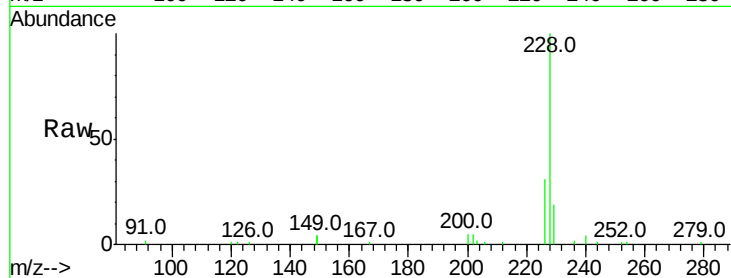
Tot Ion:228 Resp: 12216

Ion Ratio Lower Upper

228 100

226 31.3 24.0 36.0

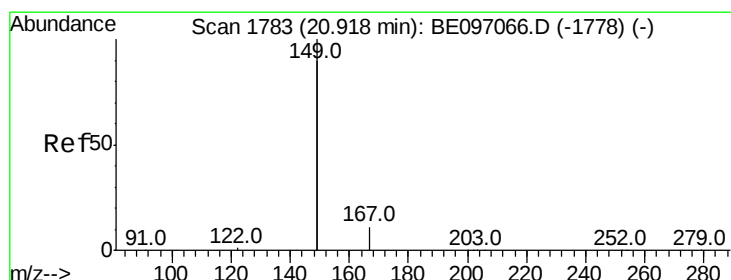
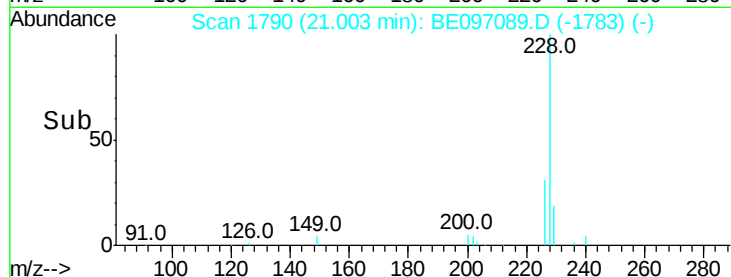
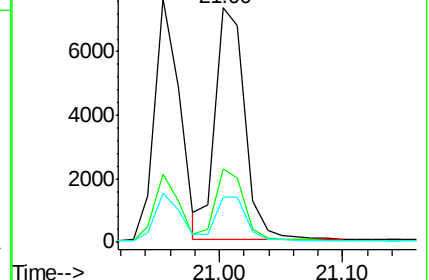
229 19.3 16.0 24.0



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

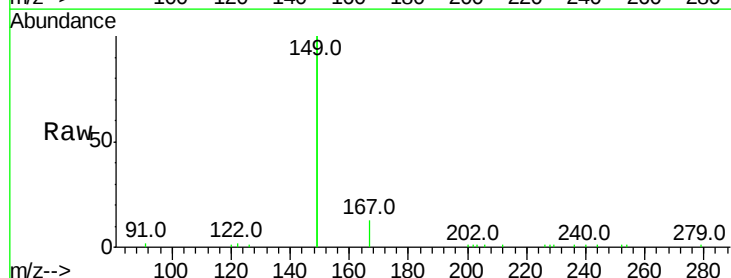
Tgt Ion:149 Resp: 13985

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

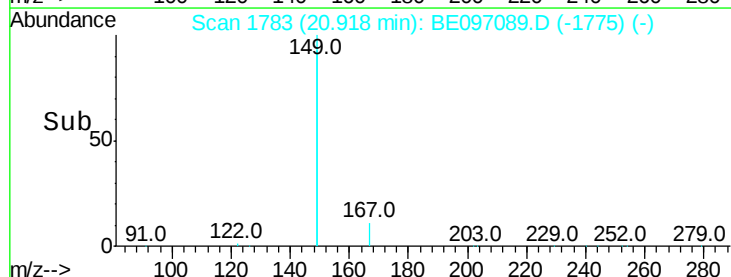
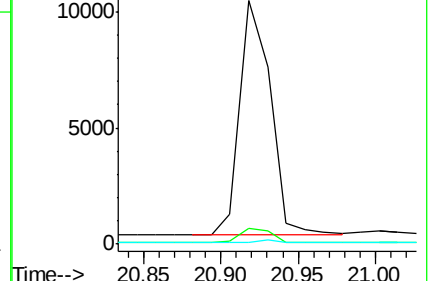
279 0.9 0.7 1.1

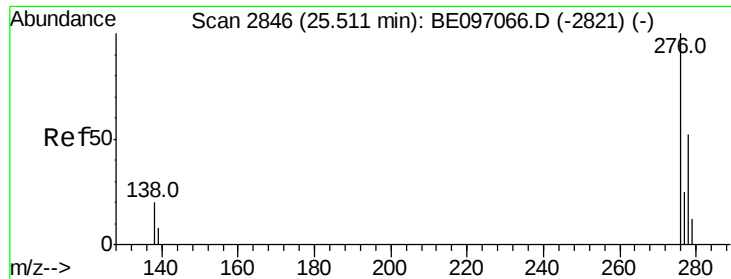


Abundance Ion 149.00 (148.70 to 149.70): E

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 :

SSTDCCC0.4

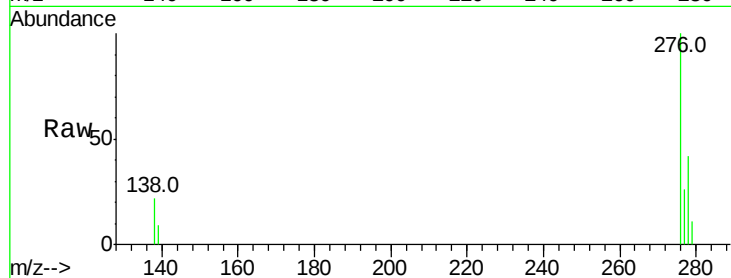
Tot Ion:276 Resp: 10894

Ion Ratio Lower Upper

276 100

138 20.8 22.5 33.7#

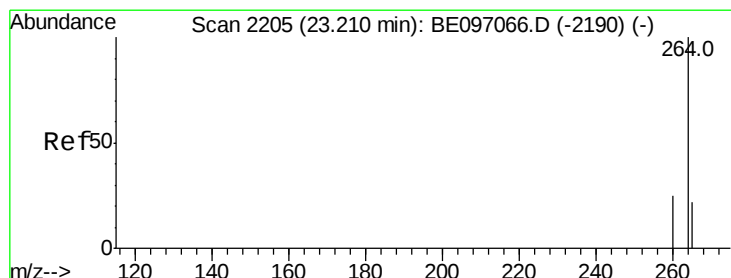
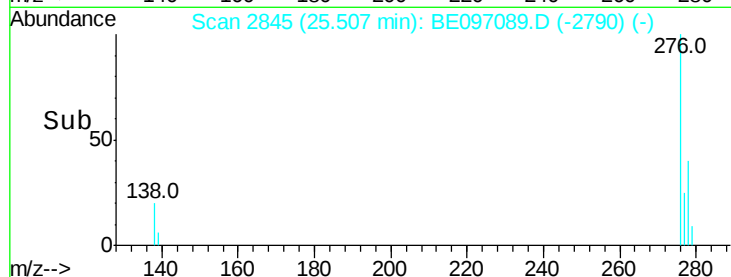
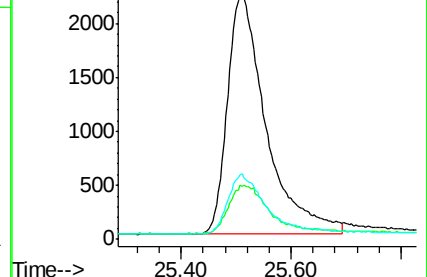
277 24.0 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

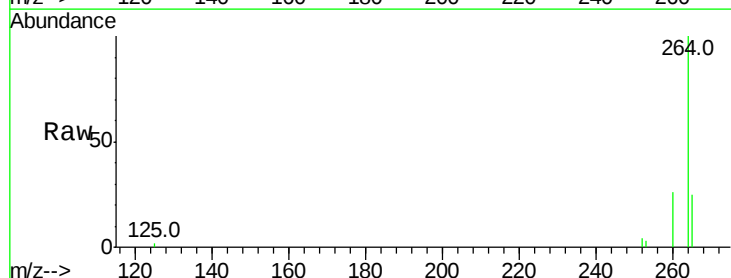
Tgt Ion:264 Resp: 9716

Ion Ratio Lower Upper

264 100

260 25.5 20.5 30.7

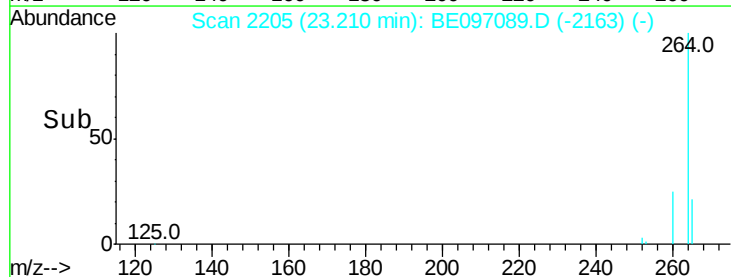
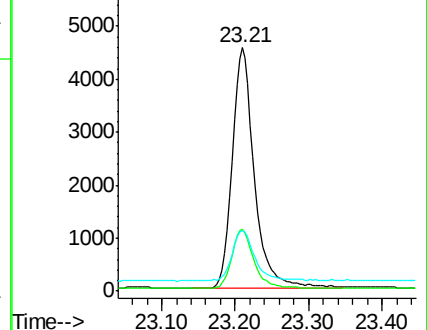
265 25.1 22.8 34.2



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: 0.389 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 :

SSTDCCC0.4

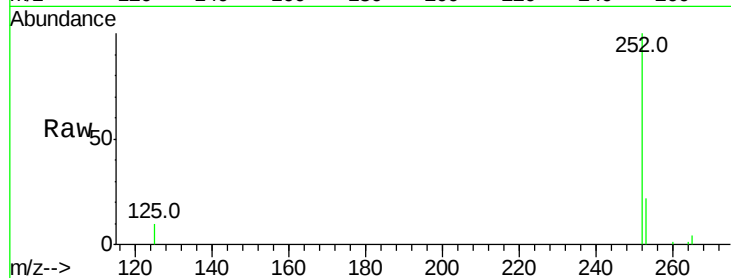
Tot Ion:252 Resp: 9601

Ion Ratio Lower Upper

252 100

253 22.3 20.0 30.0

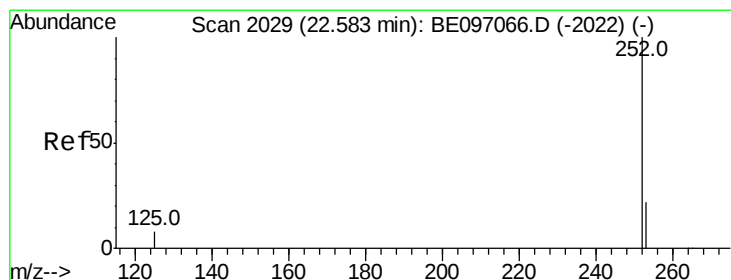
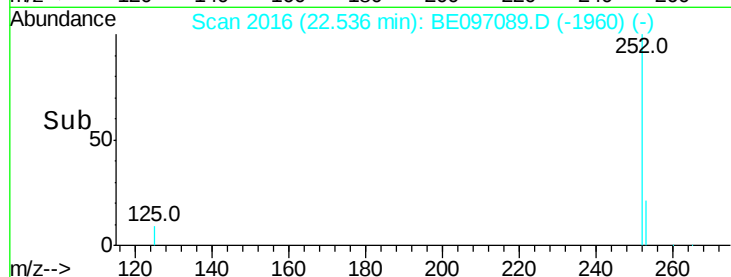
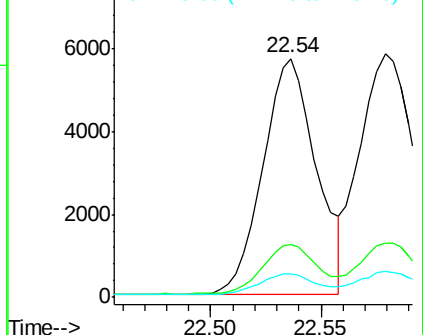
125 9.8 16.0 24.0#



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: 0.386 ng

RT: 22.58 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE097089.D

Acq: 25 Jul 2018 1:58

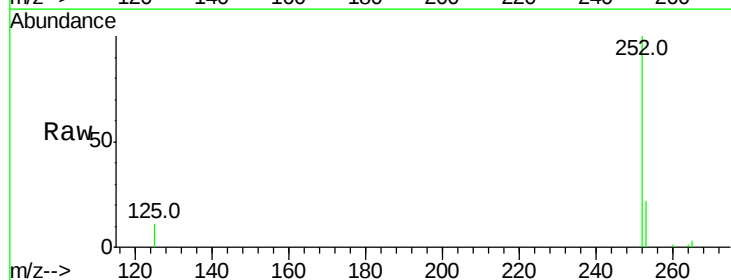
Tgt Ion:252 Resp: 11099

Ion Ratio Lower Upper

252 100

253 22.2 16.0 24.0

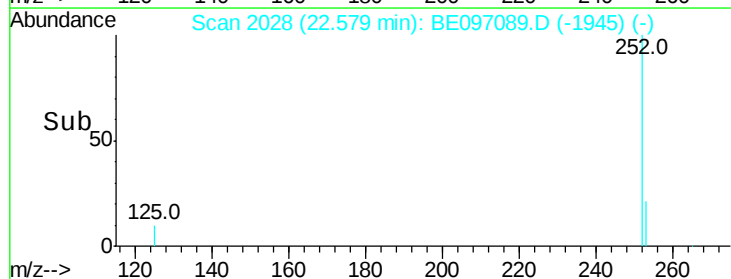
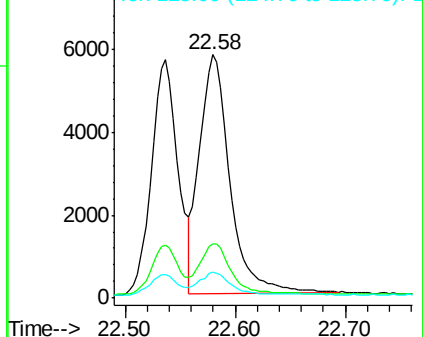
125 10.7 8.0 12.0



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: 0.400 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 :

SSTDCCC0.4

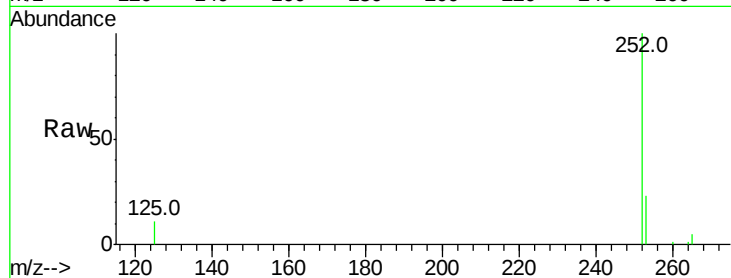
Tot Ion:252 Resp: 9271

Ion Ratio Lower Upper

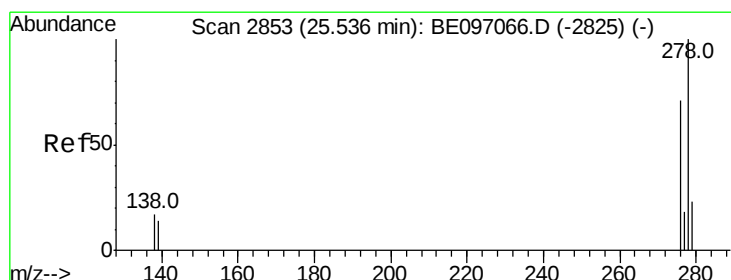
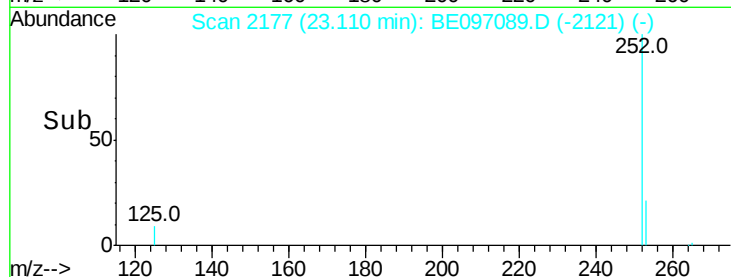
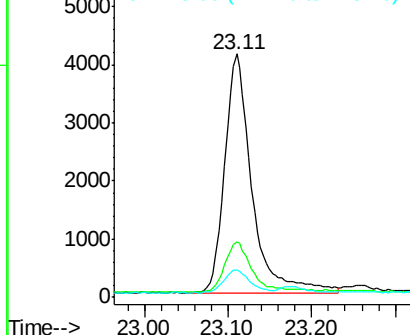
252 100

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

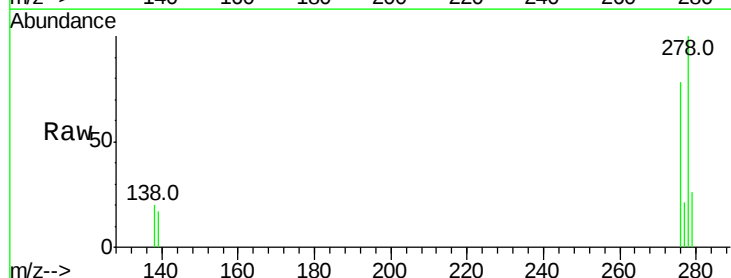
Tgt Ion:278 Resp: 9001

Ion Ratio Lower Upper

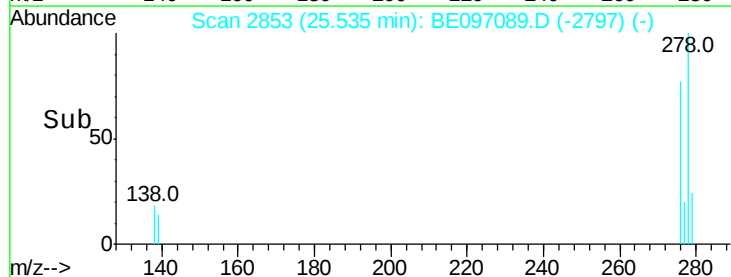
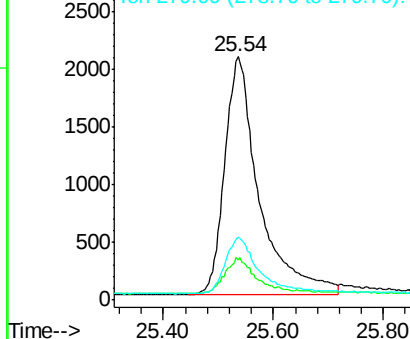
278 100

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 :

SSTDCCC0.4

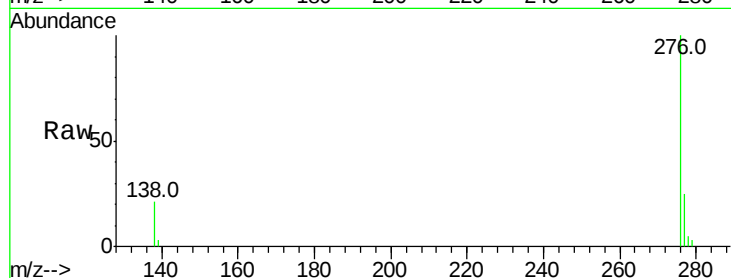
Tot Ion:276 Resp: 9464

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

