

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100418\
 Data File : BE097732.D
 Acq On : 4 Oct 2018 19:12
 Operator : SJ/JU
 Sample : J5220-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TS-04

Quant Time: Oct 05 07:46:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 03 12:17:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	3315	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	13687	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	7975	0.40	ng	0.00
19) Phenanthrene-d10	17.30	188	23536	0.40	ng	0.00
27) Chrysene-d12	21.49	240	31760	0.40	ng	0.00
34) Perylene-d12	24.04	264	31307	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	1556	0.20	ng	0.00
5) Phenol-d6	7.04	99	1396	0.12	ng	0.00
8) Nitrobenzene-d5	9.04	82	2780	0.63	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	8901	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.04	330	869	0.60	ng	0.00
15) 2-Fluorobiphenyl	13.18	172	18236	0.52	ng	-0.01
25) Fluoranthene-d10	19.33	212	136802	0.46	ng	0.00
29) Terphenyl-d14	19.94	244	32027	0.49	ng	0.00

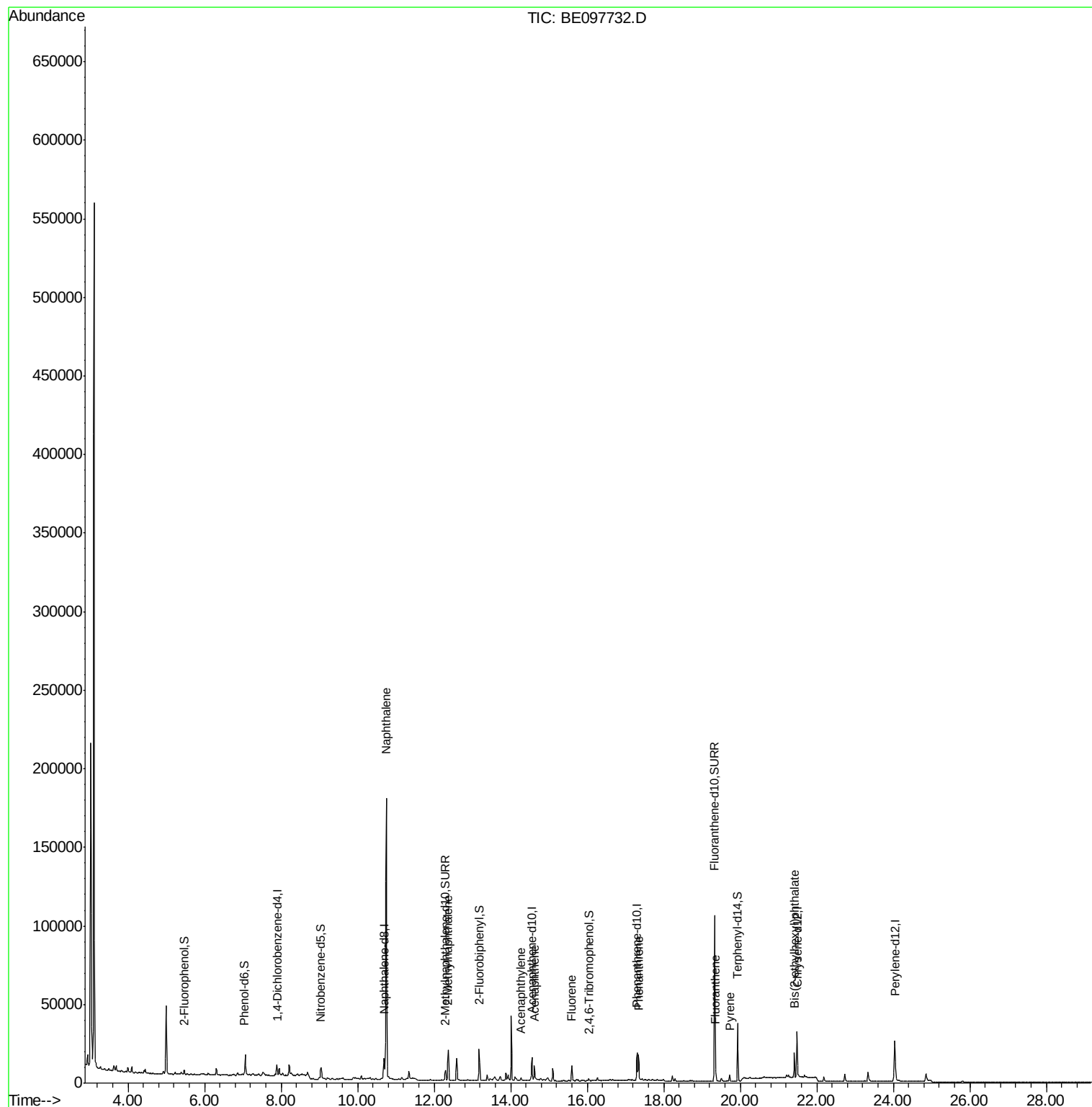
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.74	128	290315	2.105	ng	100
12) 2-Methylnaphthalene	12.37	142	13384	0.606	ng	98
16) Acenaphthylene	14.27	152	728	0.021	ng	# 57
17) Acenaphthene	14.62	154	4374	0.193	ng	99
18) Fluorene	15.59	166	7354	0.245	ng	98
23) Phenanthrene	17.34	178	17191	0.283	ng	98
26) Fluoranthene	19.36	202	4371	0.057	ng	# 93
28) Pyrene	19.72	202	3769	0.047	ng	# 96
32) Bis(2-ethylhexyl)phthalate	21.41	149	16430	0.263	ng	99

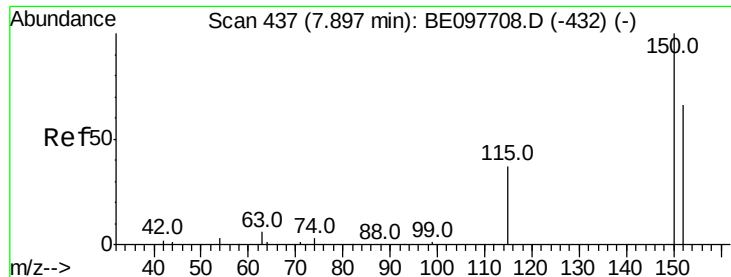
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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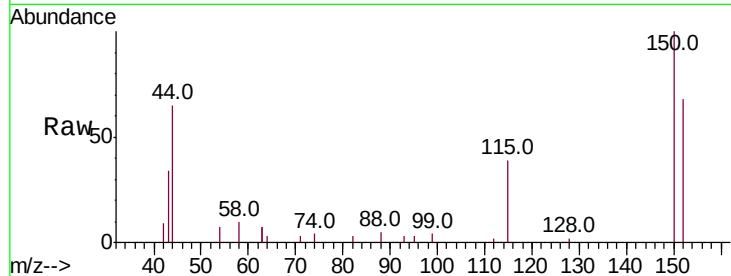


#1

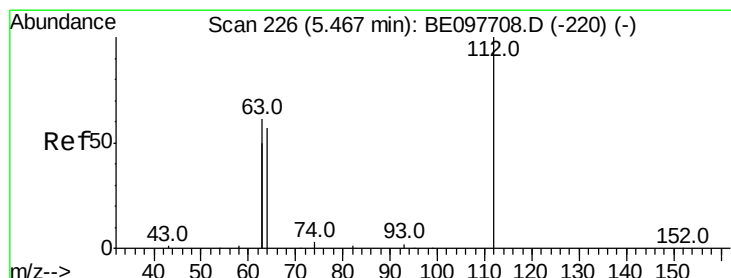
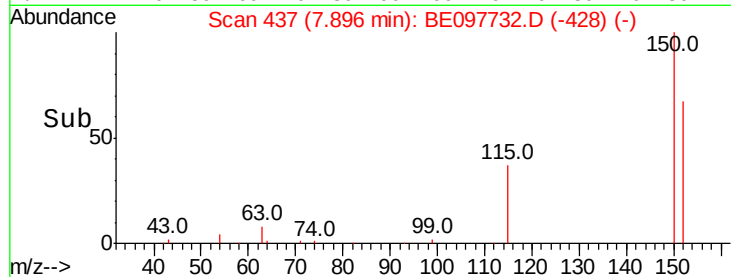
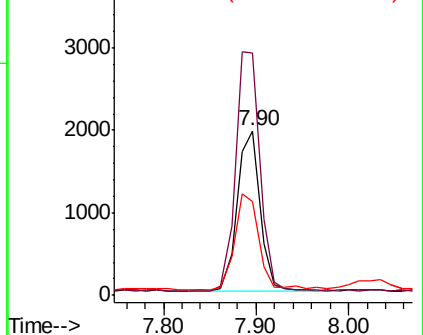
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. -0.00 min
Lab File: BE097732.D
Acq: 4 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
TS-04

Tot Ion:152 Resp: 3315
Ion Ratio Lower Upper
152 100
150 147.4 120.9 181.3
115 56.9 46.6 69.8



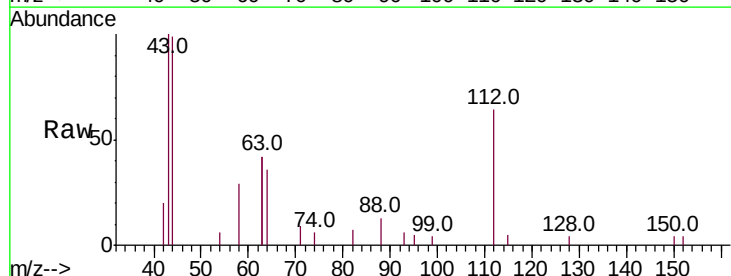
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



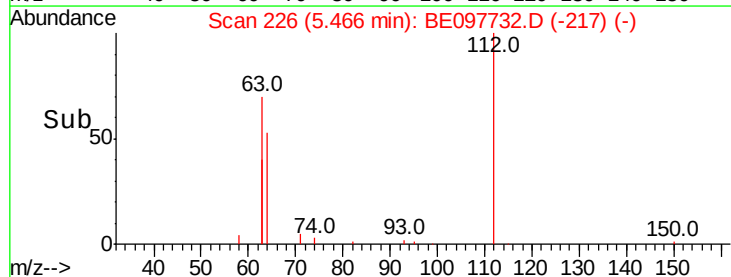
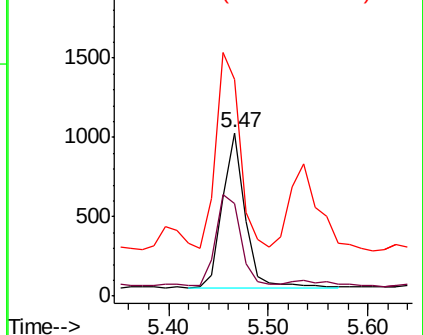
#4

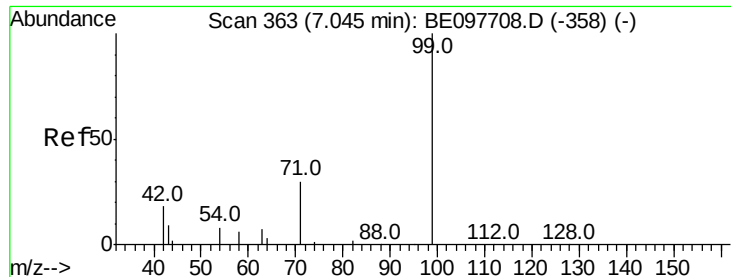
2-Fluorophenol
Concen: 0.198 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE097732.D
Acq: 4 Oct 2018 19:12

Tgt Ion:112 Resp: 1556
Ion Ratio Lower Upper
112 100
64 64.1 56.6 84.8
63 129.9 119.4 179.0



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





#5

Phenol-d6

Concen: 0.116 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

TS-04

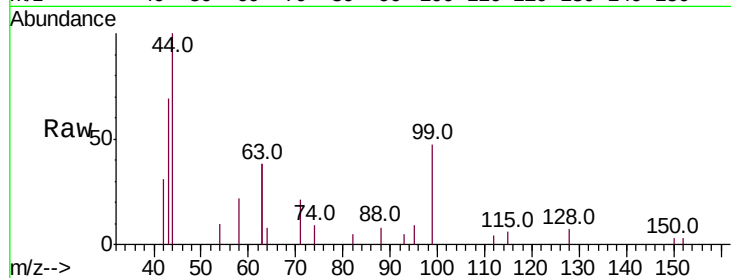
Tot Ion: 99 Resp: 1396

Ion Ratio Lower Upper

99 100

42 108.5 19.9 29.9#

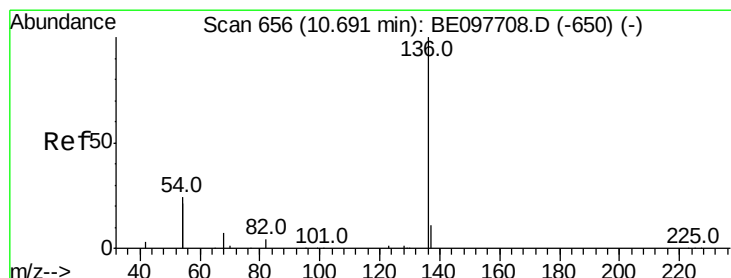
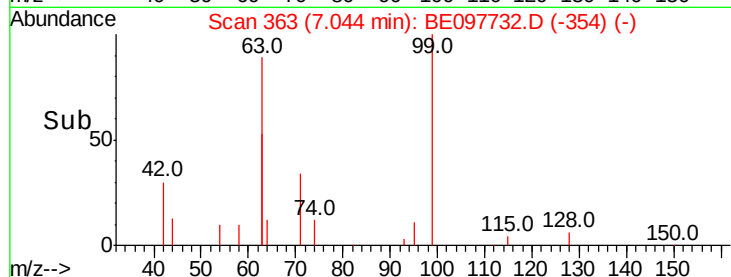
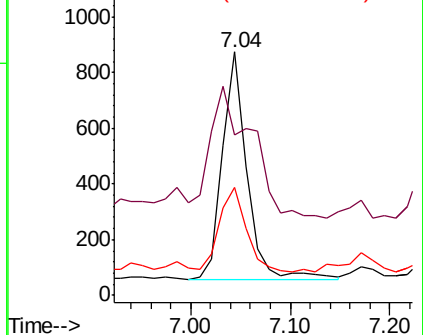
71 40.1 25.4 38.2#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

Tgt Ion:136 Resp: 13687

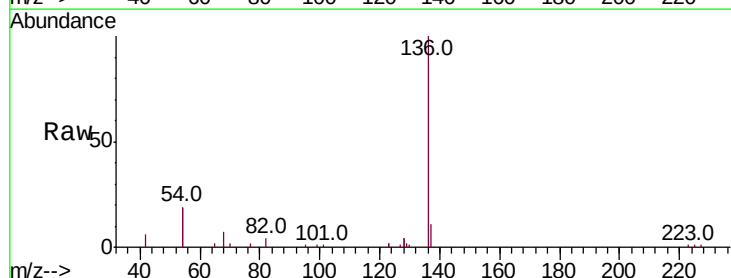
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 37.6 37.8 56.6#

68 7.4 6.4 9.6

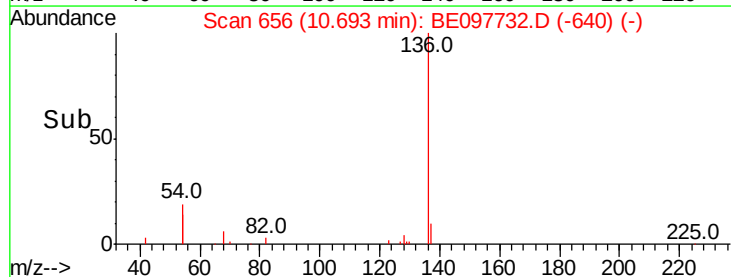
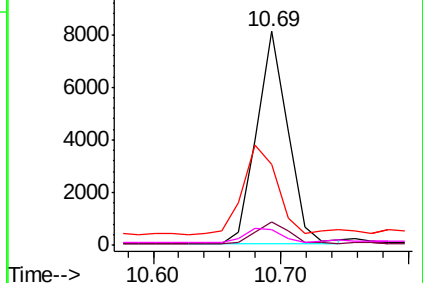


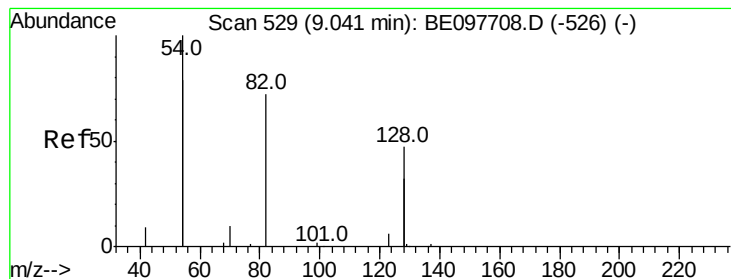
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.626 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

TS-04

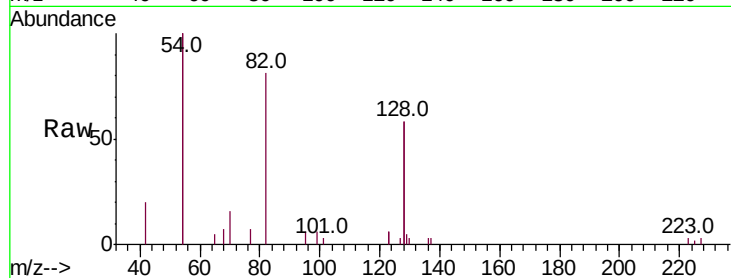
Tot Ion: 82 Resp: 2780

Ion Ratio Lower Upper

82 100

128 142.3 97.0 145.4

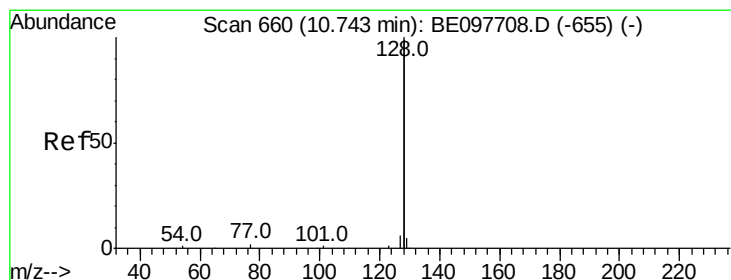
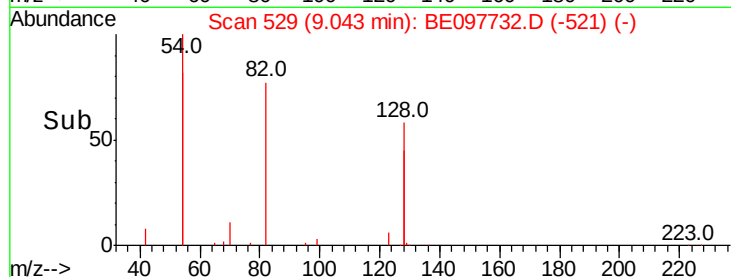
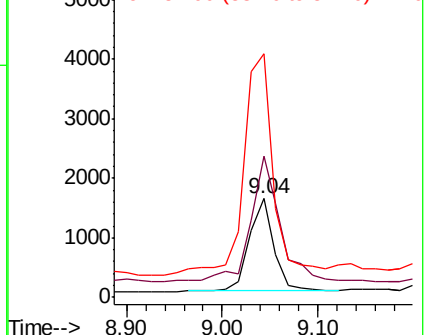
54 246.4 206.9 310.3



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 2.105 ng

RT: 10.74 min Scan# 660

Delta R.T. 0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

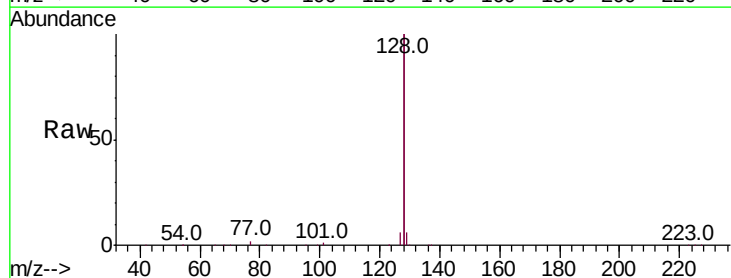
Tgt Ion: 128 Resp: 290315

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.2

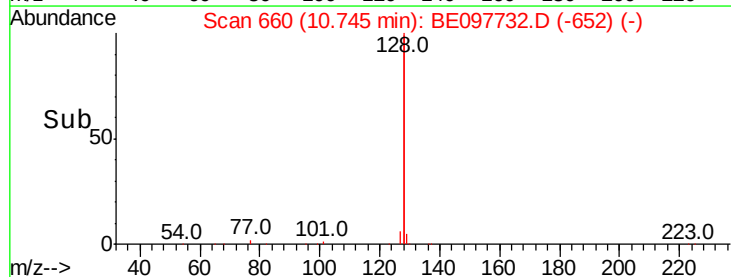
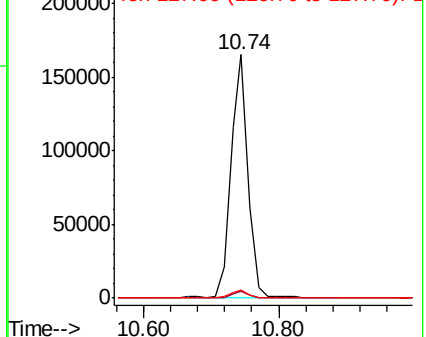
127 3.2 2.7 4.1

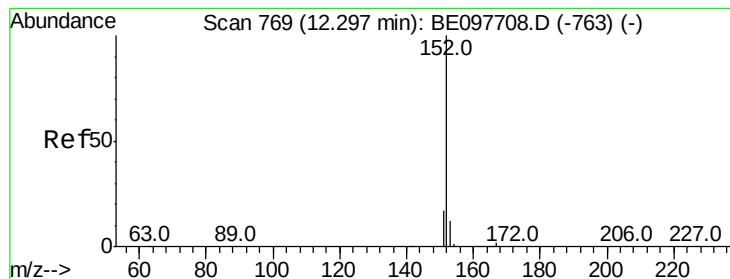


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.409 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

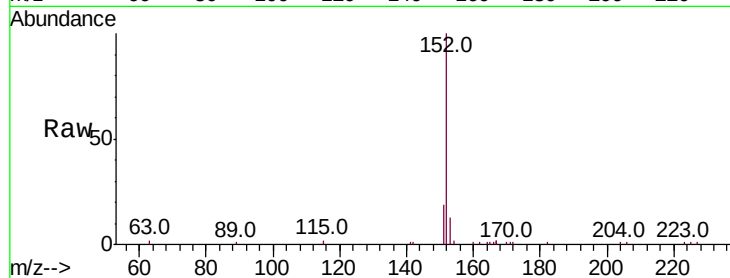
TS-04

Tot Ion:152 Resp: 8901

Ion Ratio Lower Upper

152 100

151 18.6 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

6000

5000

4000

3000

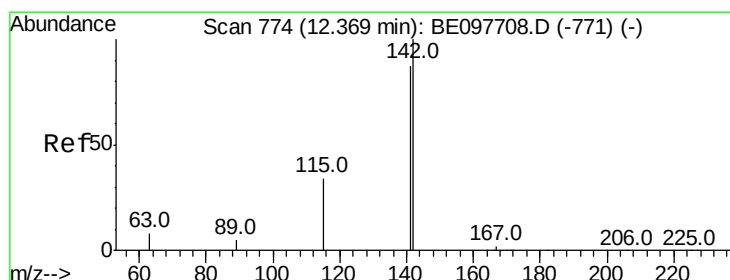
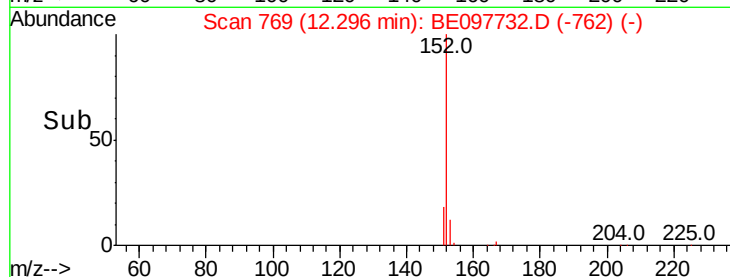
2000

1000

0

12.20 12.30 12.40 12.50

Time-->



#12

2-Methylnaphthalene

Concen: 0.606 ng

RT: 12.37 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

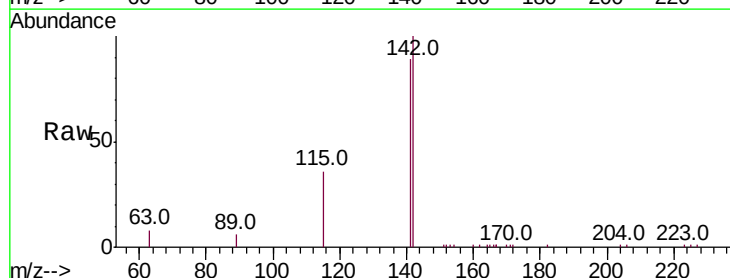
Tgt Ion:142 Resp: 13384

Ion Ratio Lower Upper

142 100

141 88.8 69.4 104.2

115 35.9 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

10000

8000

6000

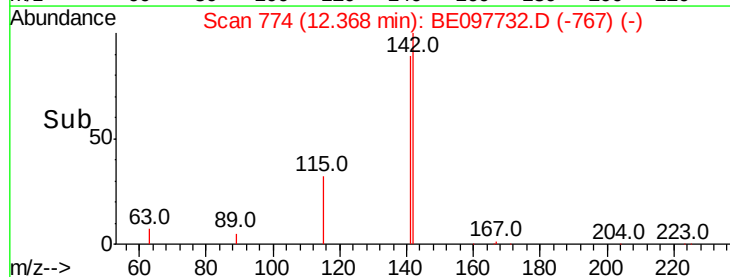
4000

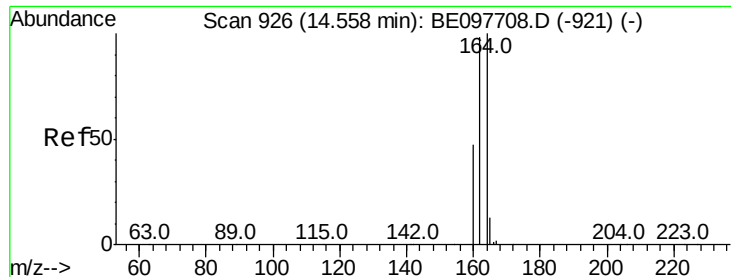
2000

0

12.30 12.35 12.40

Time-->

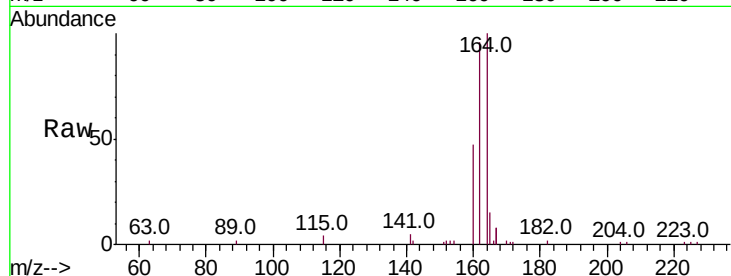




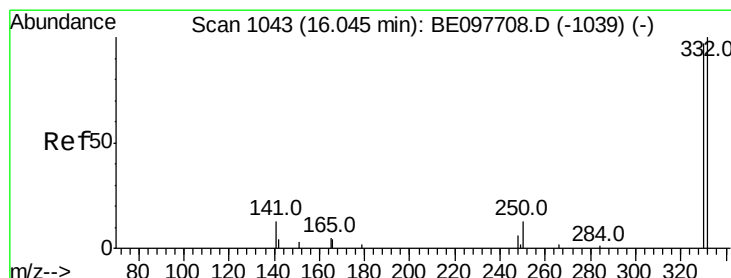
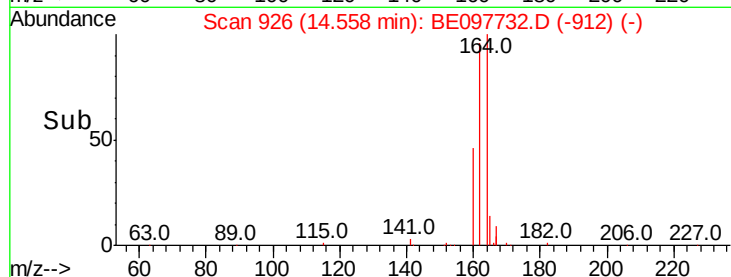
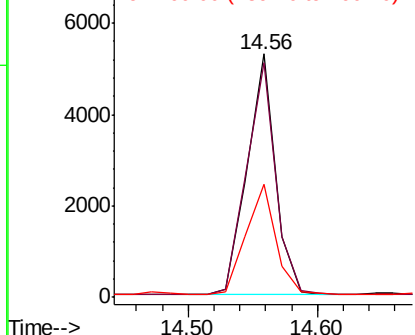
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097732.D
Acq: 4 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
TS-04

Tot Ion:164 Resp: 7975
Ion Ratio Lower Upper
164 100
162 96.2 78.6 117.8
160 46.6 37.8 56.6

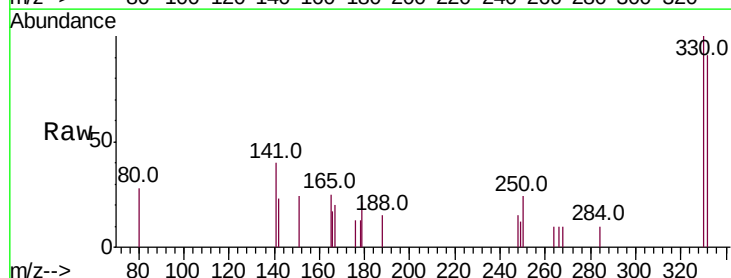


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

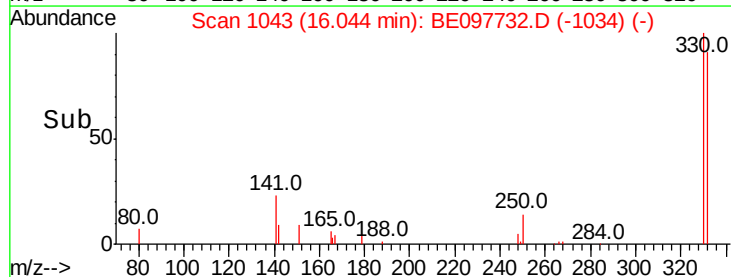
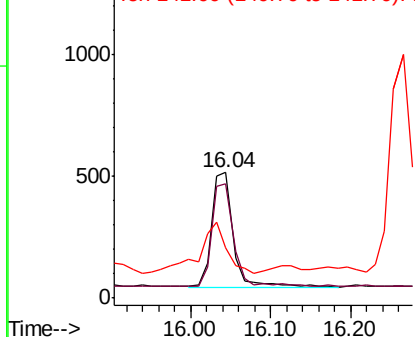


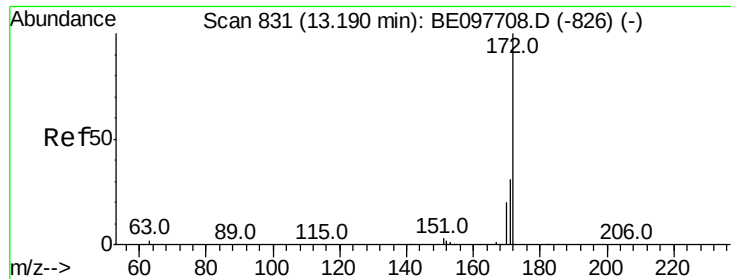
#14
2,4,6-Tribromophenol
Concen: 0.601 ng
RT: 16.04 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BE097732.D
Acq: 4 Oct 2018 19:12

Tgt Ion:330 Resp: 869
Ion Ratio Lower Upper
330 100
332 92.9 83.5 125.3
141 56.0 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

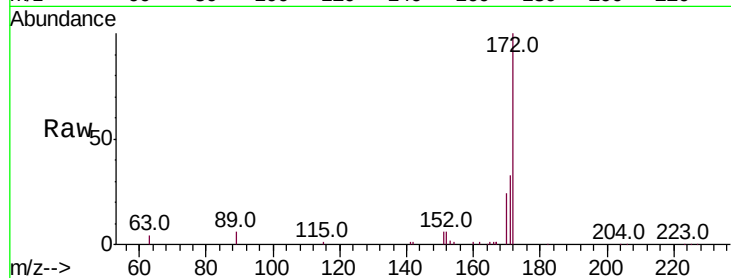




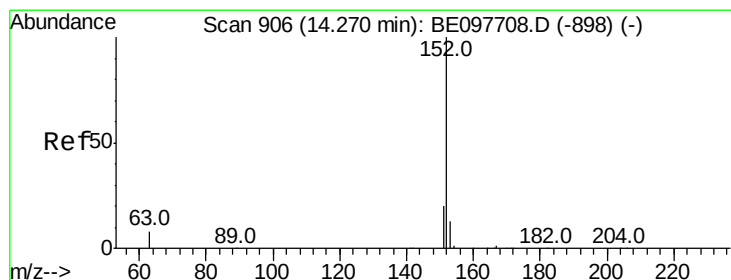
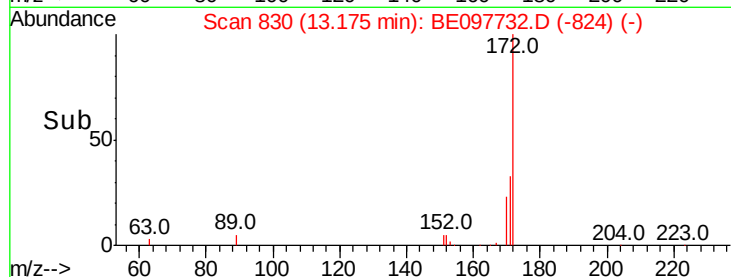
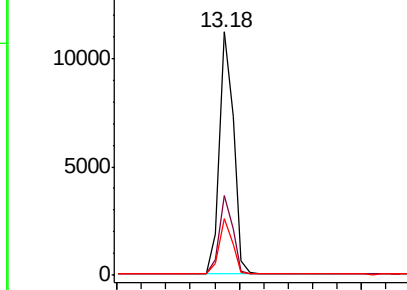
#15
2-Fluorobiphenyl
Concen: 0.519 ng
RT: 13.18 min Scan# 830
Delta R.T. -0.01 min
Lab File: BE097732.D
Acq: 4 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
TS-04

Tot Ion:172 Resp: 18236
Ion Ratio Lower Upper
172 100
171 33.0 25.2 37.8
170 23.5 16.2 24.2

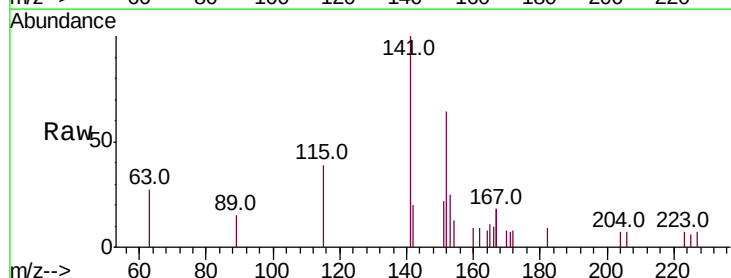


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

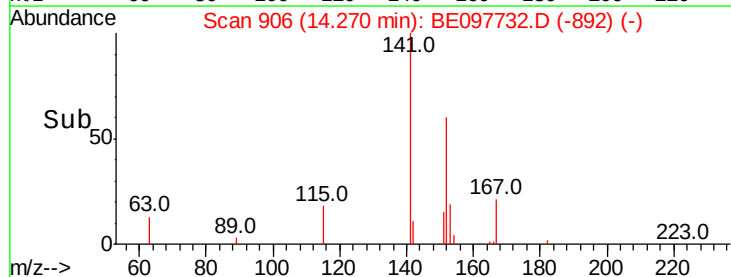
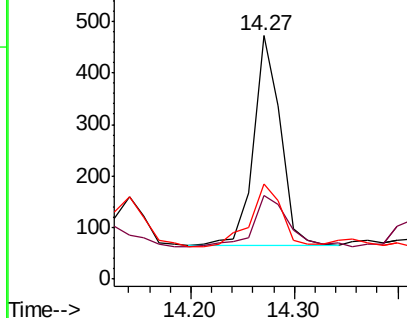


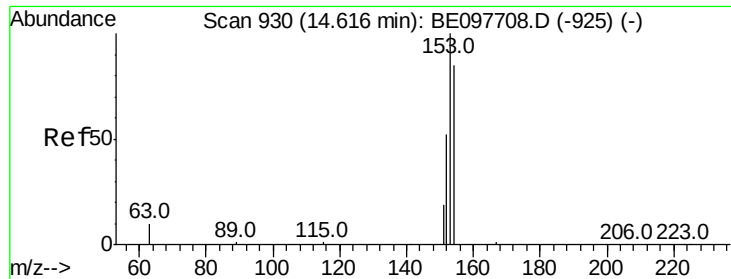
#16
Acenaphthylene
Concen: 0.021 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097732.D
Acq: 4 Oct 2018 19:12

Tgt Ion:152 Resp: 728
Ion Ratio Lower Upper
152 100
151 34.1 15.3 22.9#
153 36.4 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: 0.193 ng

RT: 14.62 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

TS-04

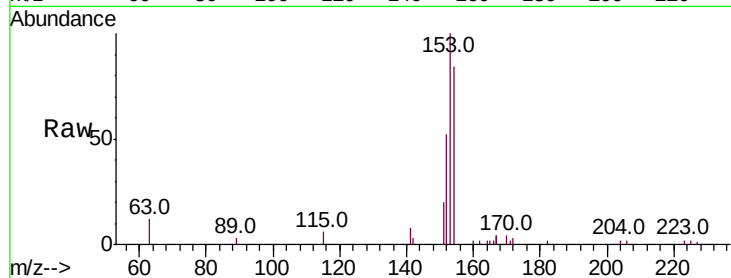
Tot Ion:154 Resp: 4374

Ion Ratio Lower Upper

154 100

153 117.0 93.3 139.9

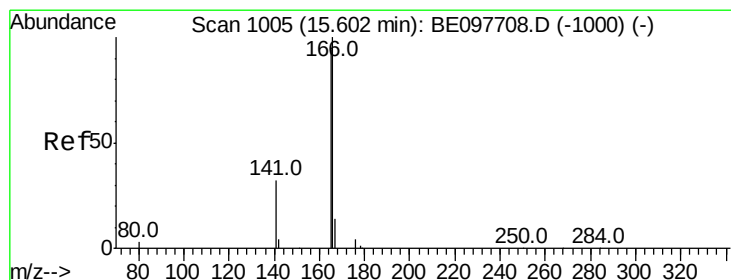
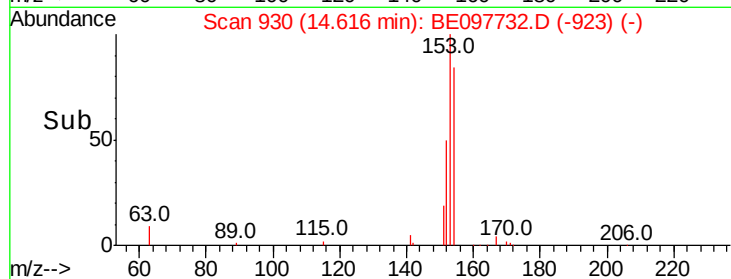
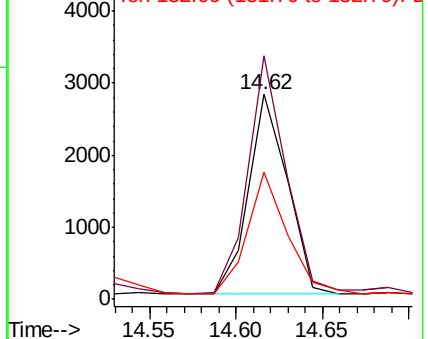
152 62.2 48.9 73.3



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: 0.245 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

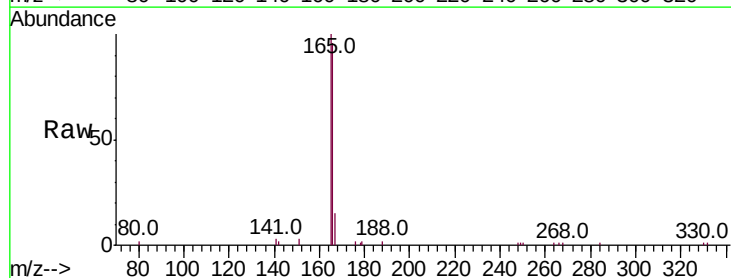
Tgt Ion:166 Resp: 7354

Ion Ratio Lower Upper

166 100

165 99.9 79.0 118.4

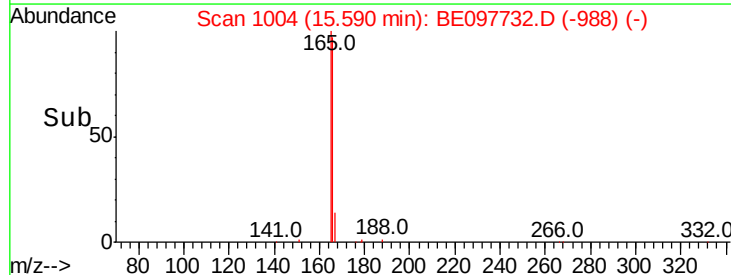
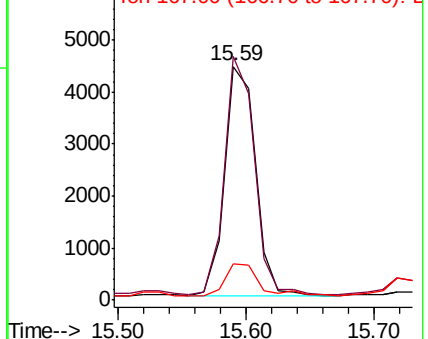
167 16.3 11.1 16.7

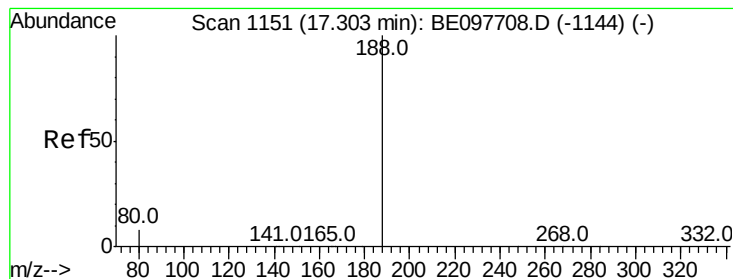


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.30 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

TS-04

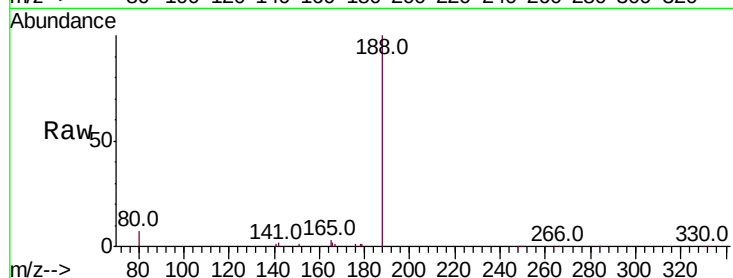
Tot Ion:188 Resp: 23536

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

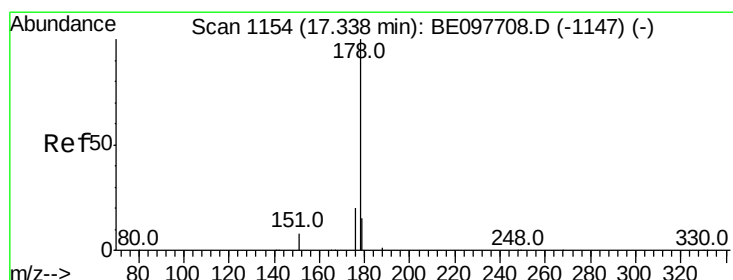
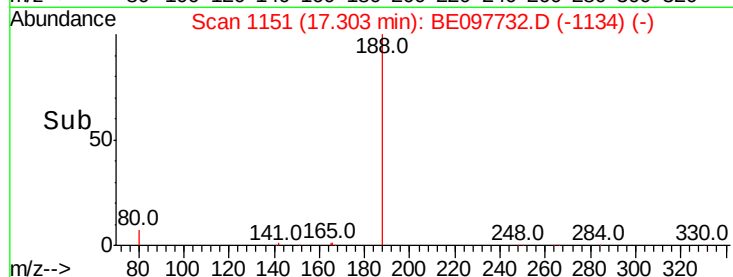
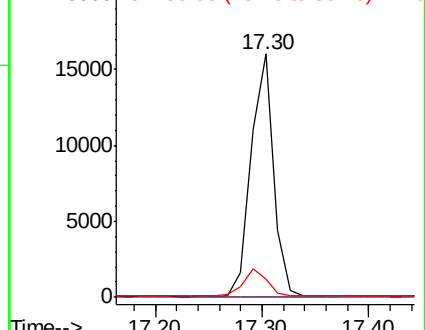
80 7.5 6.6 9.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#23

Phenanthrene

Concen: 0.283 ng

RT: 17.34 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

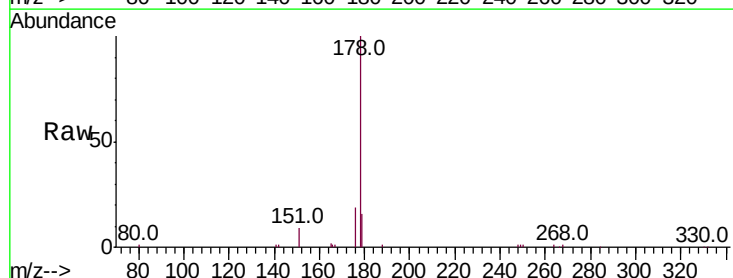
Tgt Ion:178 Resp: 17191

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

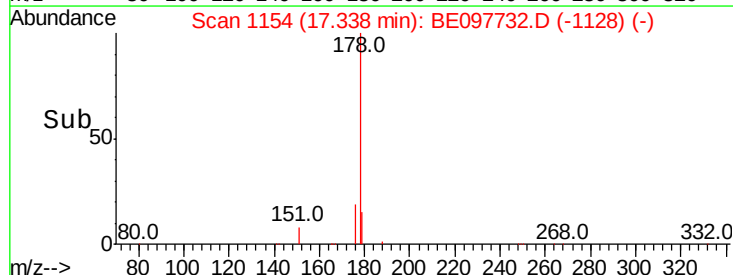
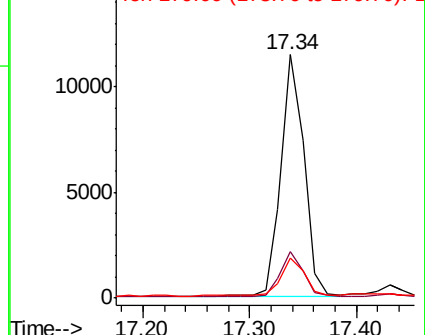
179 16.6 12.2 18.4

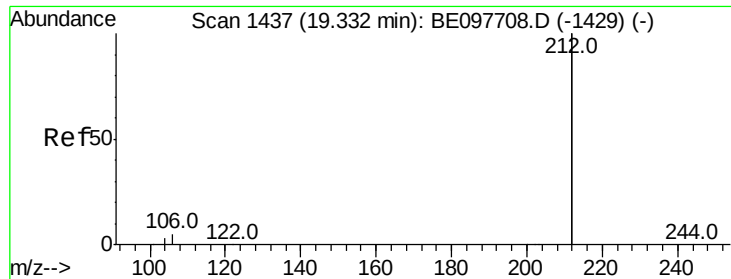


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

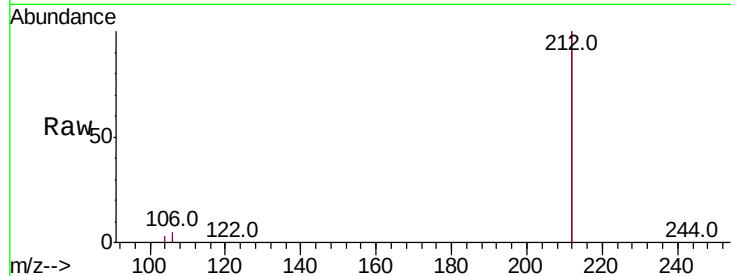




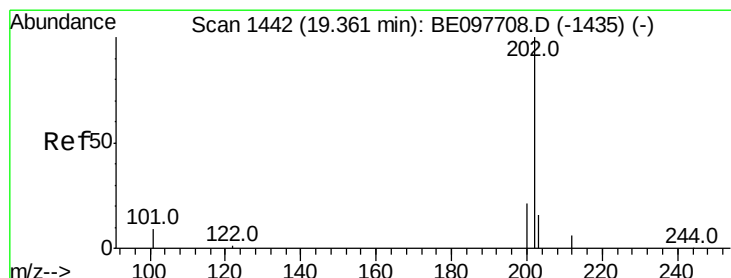
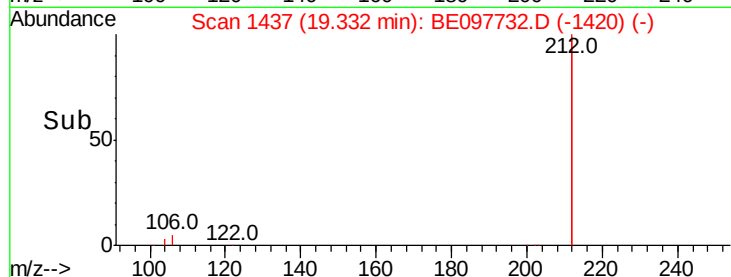
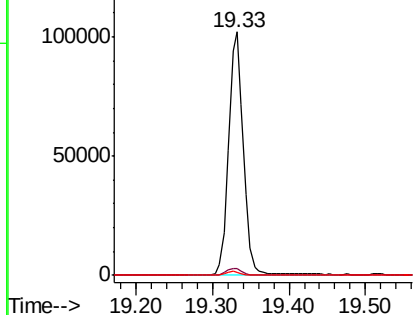
#25
 Fluoranthene-d10
 Concen: 0.459 ng
 RT: 19.33 min Scan# 1437
 Delta R.T. 0.00 min
 Lab File: BE097732.D
 Acq: 4 Oct 2018 19:12

Instrument :
 BNA_E
 ClientSampled :
 TS-04

Tot Ion:212 Resp: 136802
 Ion Ratio Lower Upper
 212 100
 106 2.8 2.2 3.2
 104 1.6 1.2 1.8

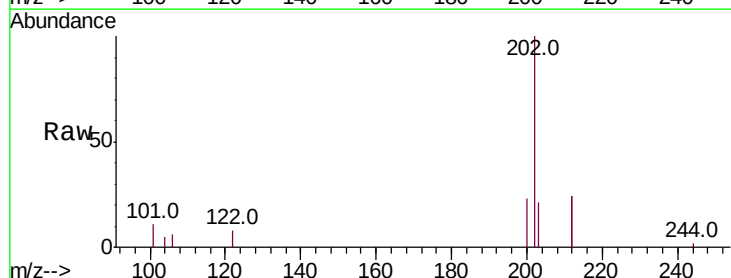


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

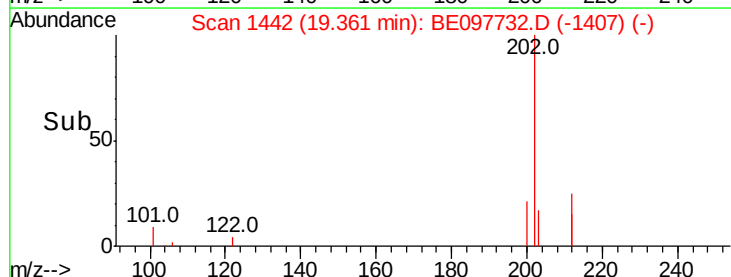
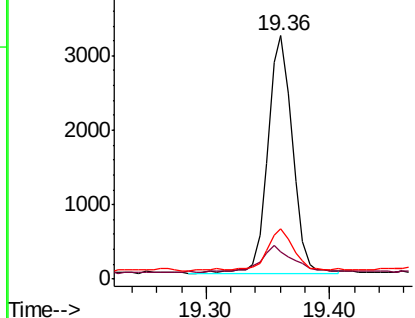


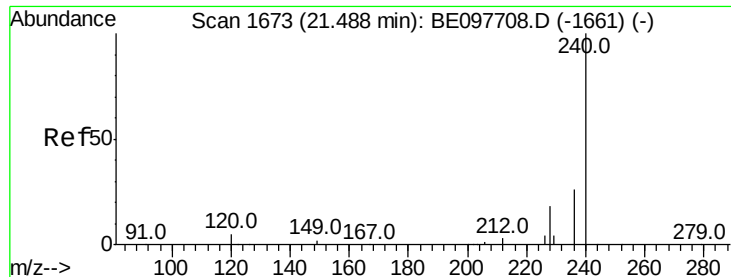
#26
 Fluoranthene
 Concen: 0.057 ng
 RT: 19.36 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: BE097732.D
 Acq: 4 Oct 2018 19:12

Tgt Ion:202 Resp: 4371
 Ion Ratio Lower Upper
 202 100
 101 15.8 7.8 11.8#
 203 17.8 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: 21.49 min Scan# 1673

Delta R.T. 0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

TS-04

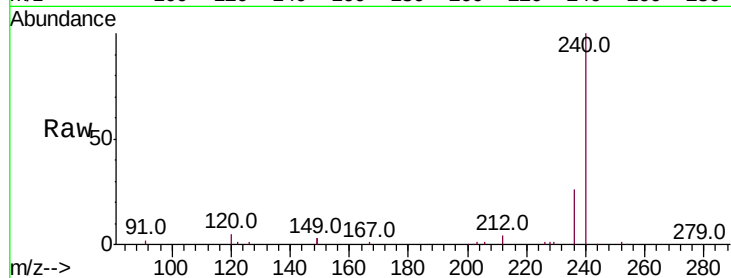
Tot Ion:240 Resp: 31760

Ion Ratio Lower Upper

240 100

120 5.1 4.7 7.1

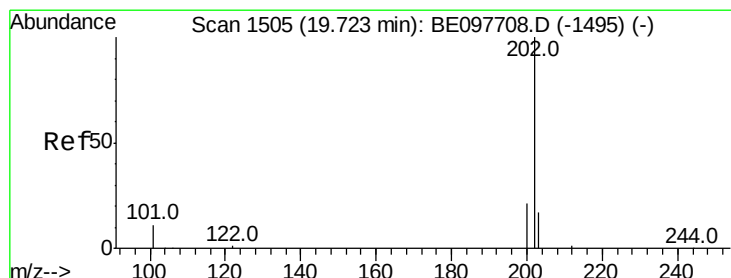
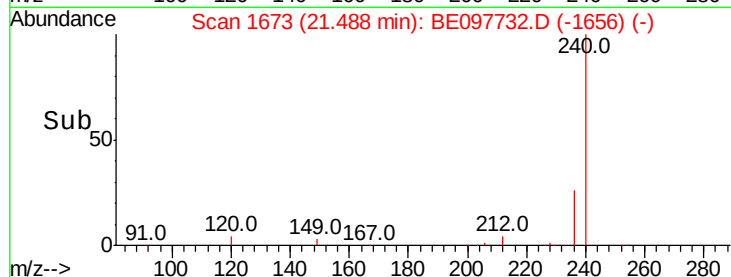
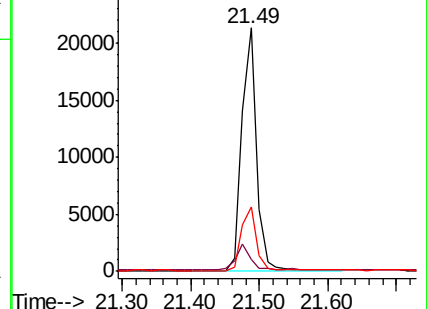
236 26.4 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.047 ng

RT: 19.72 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

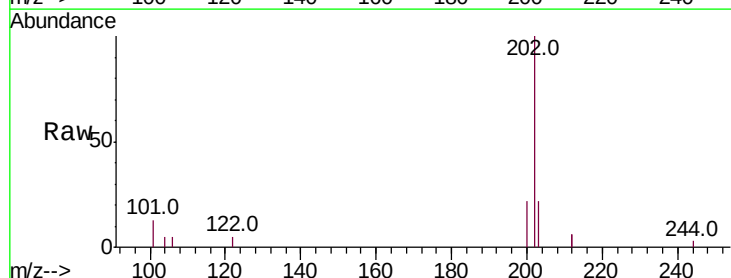
Tgt Ion:202 Resp: 3769

Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

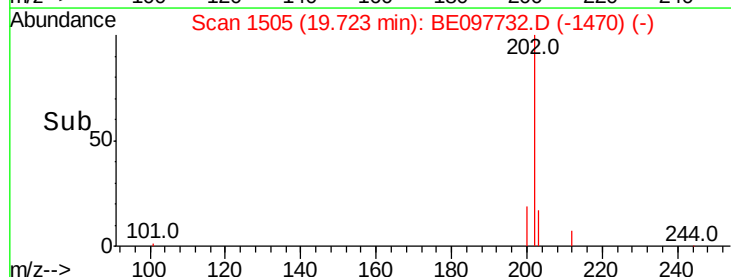
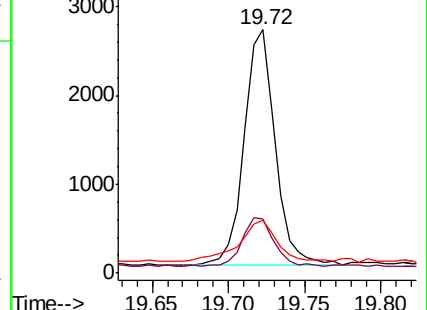
203 21.0 13.9 20.9#

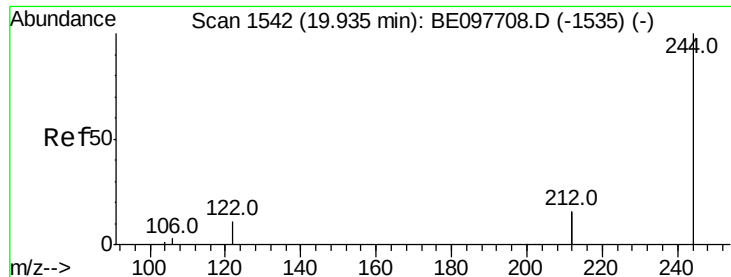


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.494 ng

RT: 19.94 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

TS-04

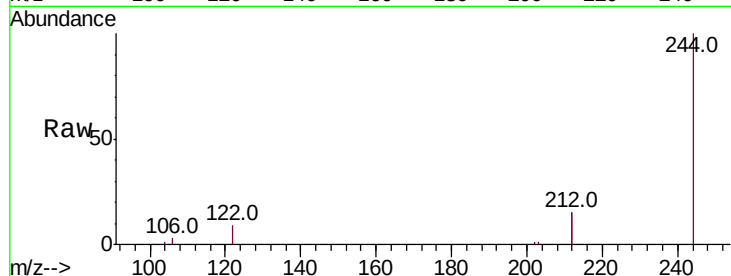
Tot Ion:244 Resp: 32027

Ion Ratio Lower Upper

244 100

212 30.3 25.8 38.8

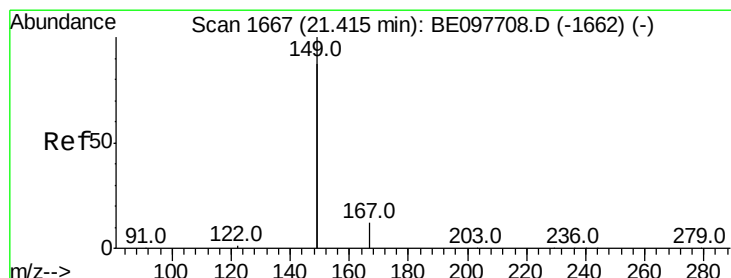
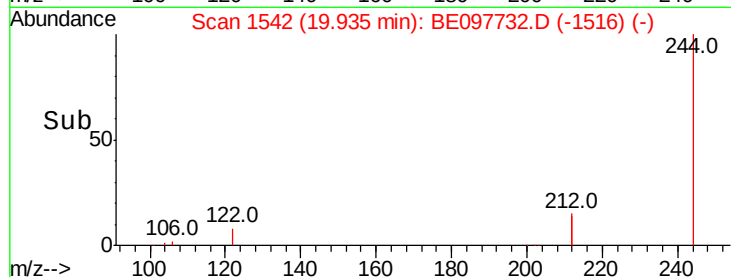
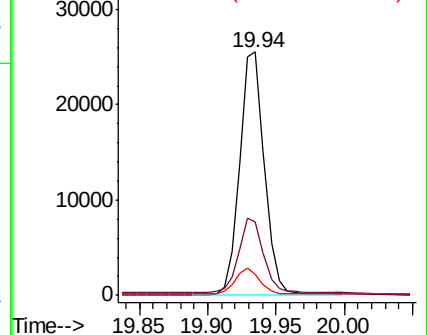
122 8.7 8.7 13.1#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.263 ng

RT: 21.41 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

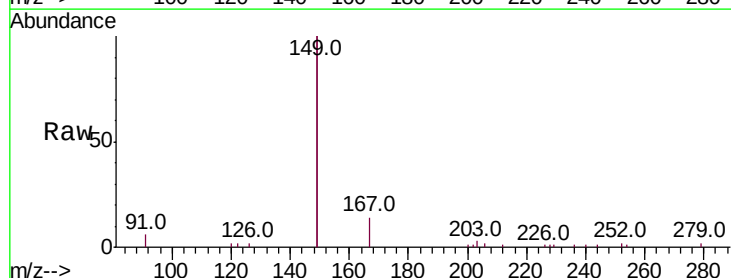
Tgt Ion:149 Resp: 16430

Ion Ratio Lower Upper

149 100

167 7.2 5.5 8.3

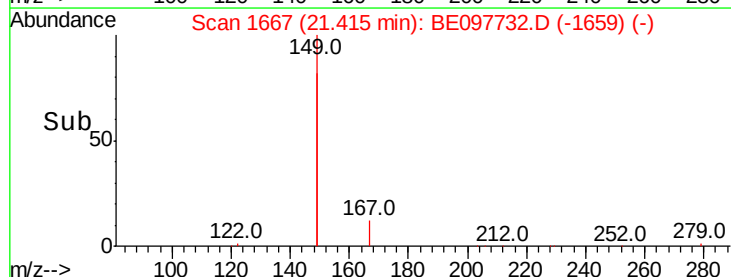
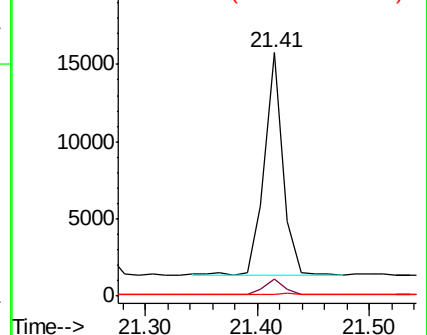
279 1.0 0.9 1.3

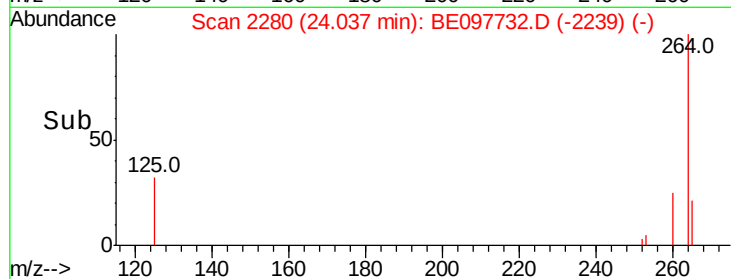
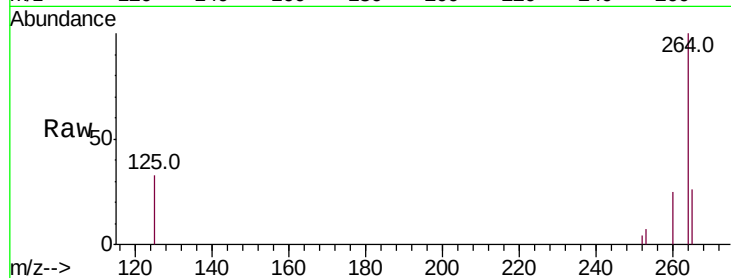
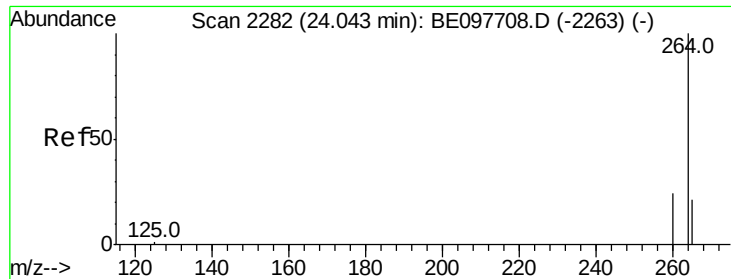


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 24.04 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BE097732.D

Acq: 4 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

TS-04

Tot Ion:264 Resp: 31307

Ion Ratio Lower Upper

264 100

260 25.2 19.1 28.7

265 26.1 21.9 32.9

