

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097571.D
 Acq On : 20 Sep 2018 11:10
 Operator : SJ/JU
 Sample : PB112778BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 20 12:13:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

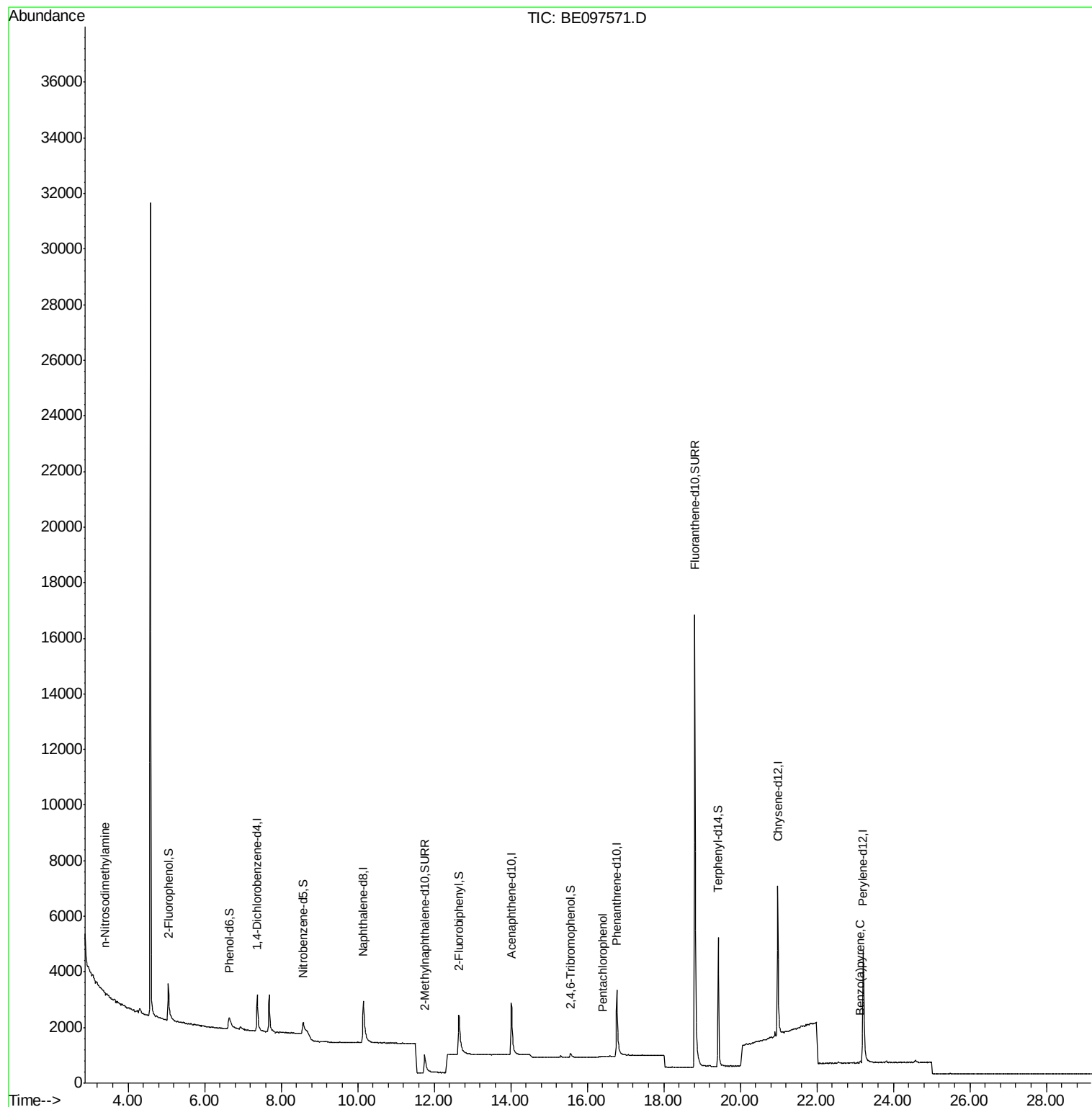
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	815	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	3388	0.40	ng	0.01
13) Acenaphthene-d10	14.01	164	1920	0.40	ng	0.01
19) Phenanthrene-d10	16.78	188	5528	0.40	ng	0.02
27) Chrysene-d12	20.98	240	7179	0.40	ng	0.01
34) Perylene-d12	23.21	264	7196	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1110	0.45	ng	0.00
5) Phenol-d6	6.64	99	634	0.20	ng	0.03
8) Nitrobenzene-d5	8.58	82	806	0.31	ng	0.05
11) 2-Methylnaphthalene-d10	11.75	152	2110	0.45	ng	0.04
14) 2,4,6-Tribromophenol	15.55	330	120	0.23	ng	0.03
15) 2-Fluorobiphenyl	12.64	172	3034	0.45	ng	0.02
25) Fluoranthene-d10	18.81	212	32106	0.45	ng	0.00
29) Terphenyl-d14	19.43	244	5653	0.43	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.38	42	11	0.025	ng	# 1
22) Pentachlorophenol	16.42	266	7	0.135	ng	95
37) Benzo(a)pyrene	23.13	252	14	0.021	ng	# 1

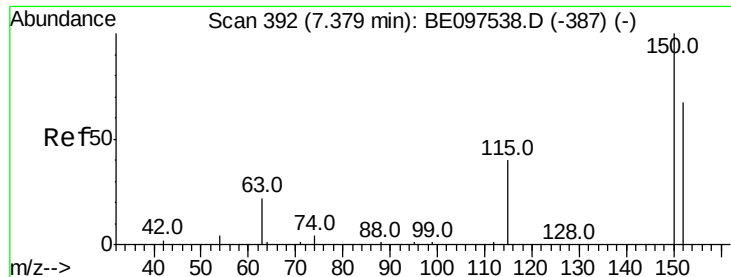
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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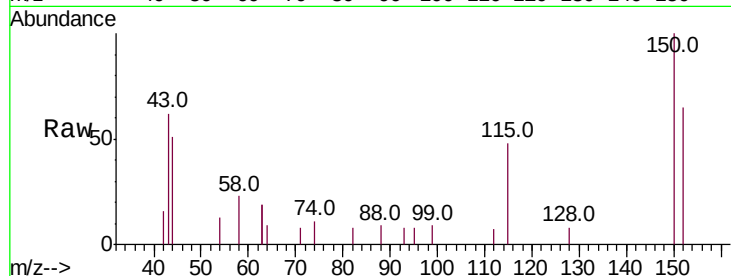


#1

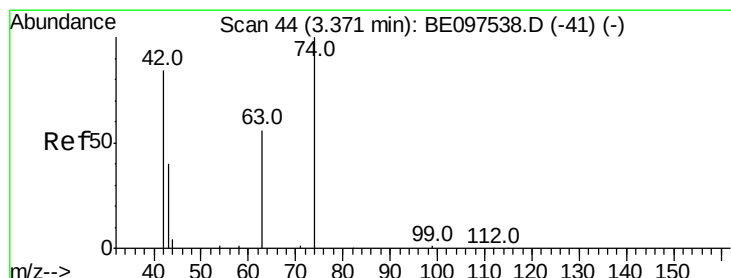
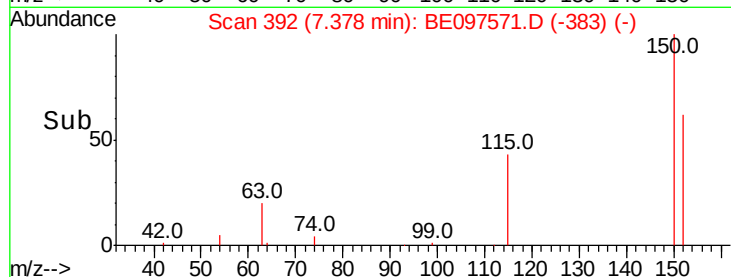
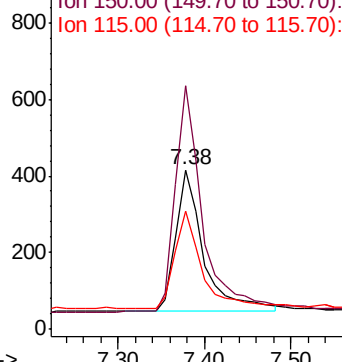
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097571.D
Acq: 20 Sep 2018 11:10

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 815
Ion Ratio Lower Upper
152 100
150 153.0 117.2 175.8
115 74.0 57.0 85.6



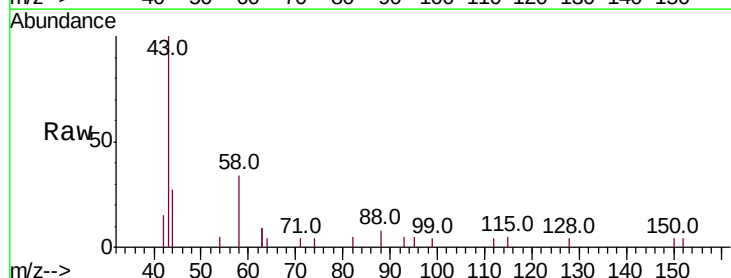
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



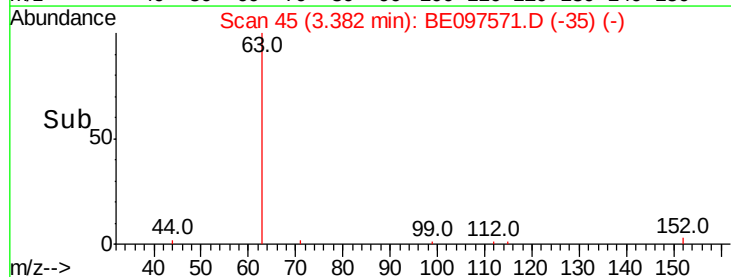
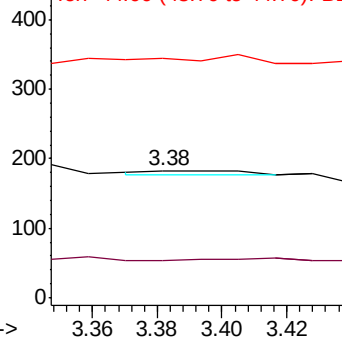
#3

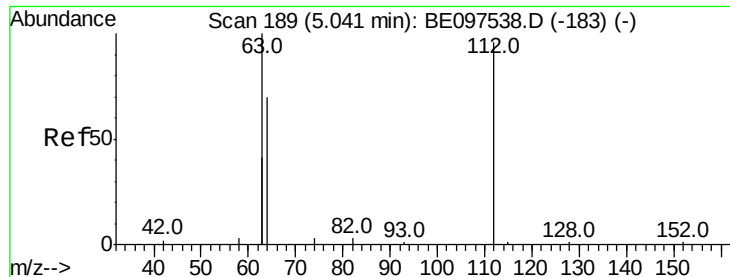
n-Nitrosodimethylamine
Concen: 0.025 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097571.D
Acq: 20 Sep 2018 11:10

Tgt Ion: 42 Resp: 11
Ion Ratio Lower Upper
42 100
74 0.0 96.0 144.0#
44 0.0 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: 0.454 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

Instrument :

BNA_E

ClientSampled :

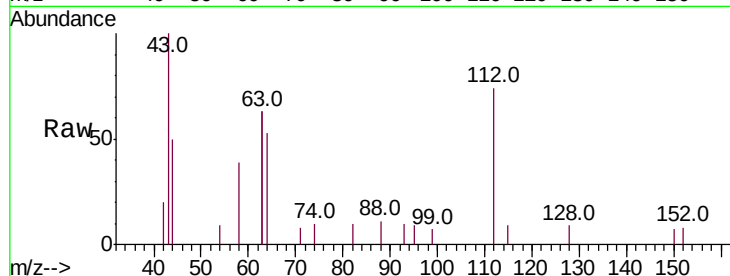
Tot Ion:112 Resp: 1110

Ion Ratio Lower Upper

112 100

64 66.8 60.1 90.1

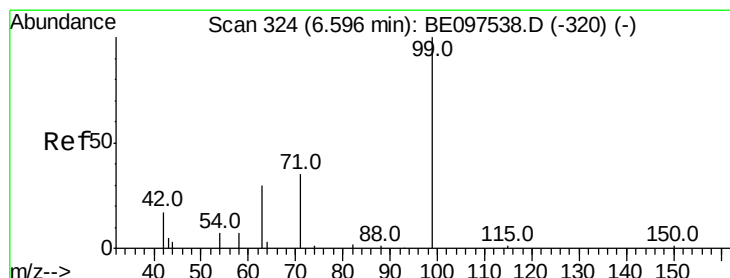
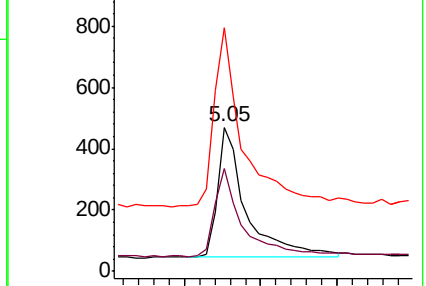
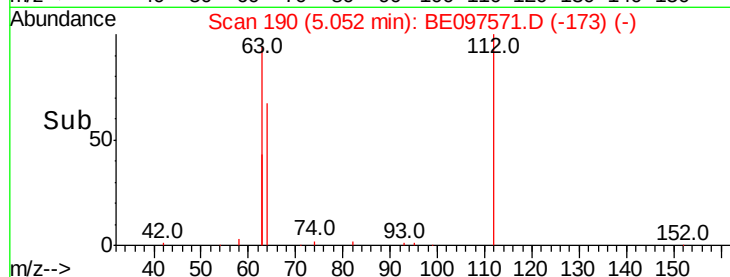
63 137.8 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.203 ng

RT: 6.64 min Scan# 328

Delta R.T. 0.03 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

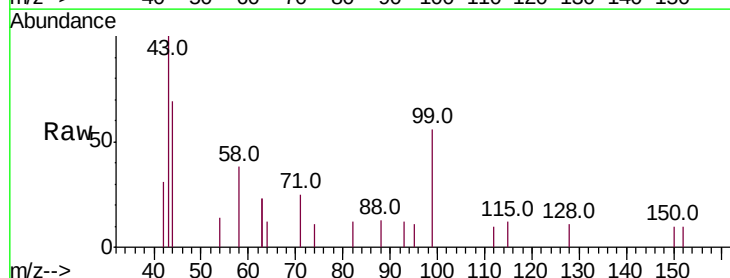
Tgt Ion: 99 Resp: 634

Ion Ratio Lower Upper

99 100

42 27.0 20.2 30.2

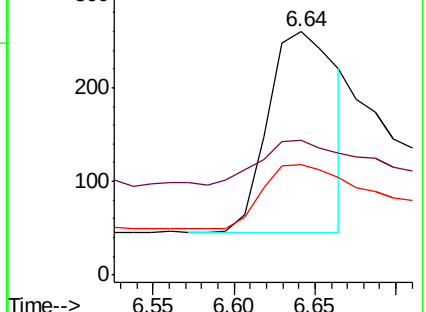
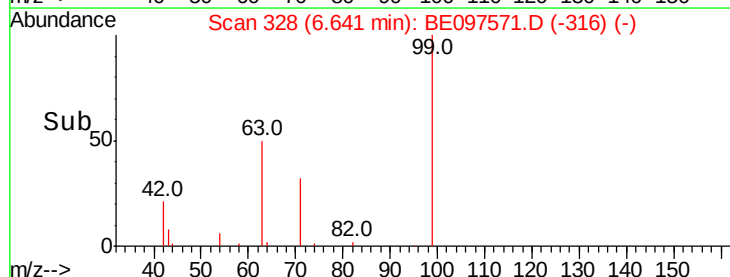
71 34.4 28.4 42.6

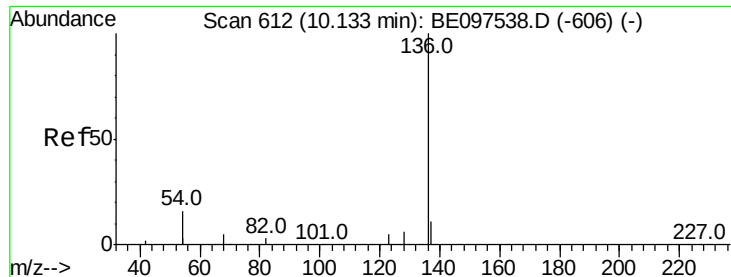


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.15 min Scan# 613

Delta R.T. 0.01 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3388

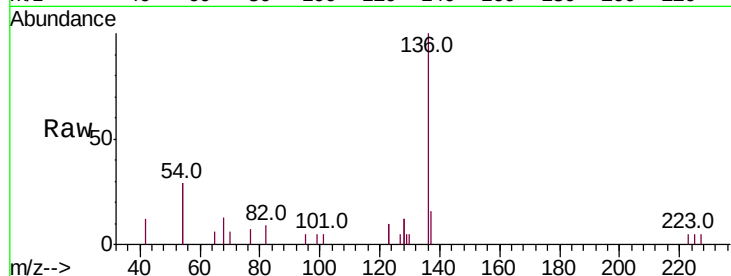
Ion Ratio Lower Upper

136 100

137 15.7 9.5 14.3#

54 57.7 29.1 43.7#

68 12.9 6.2 9.2#



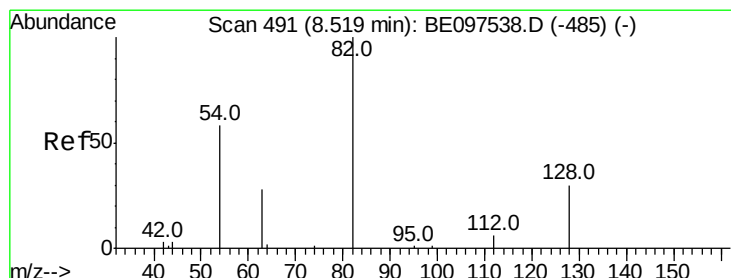
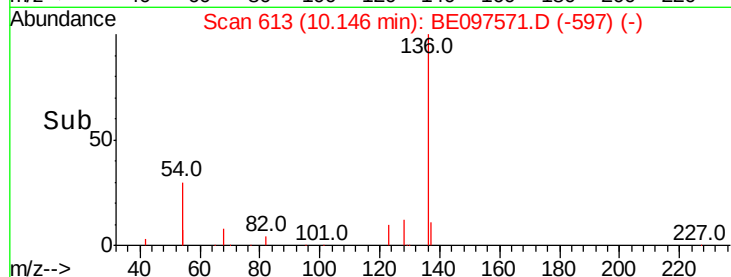
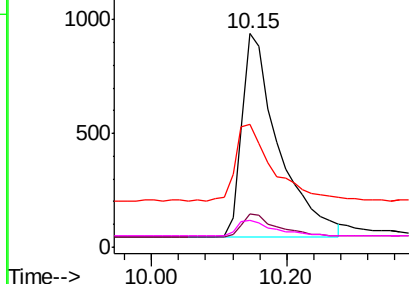
Abundance

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



#8

Nitrobenzene-d5

Concen: 0.308 ng

RT: 8.58 min Scan# 496

Delta R.T. 0.05 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

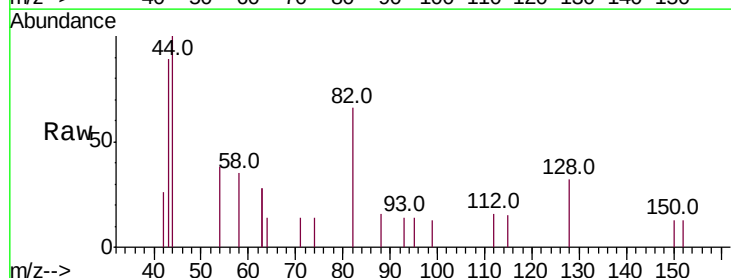
Tgt Ion: 82 Resp: 806

Ion Ratio Lower Upper

82 100

128 49.2 24.0 36.0#

54 58.3 40.0 60.0

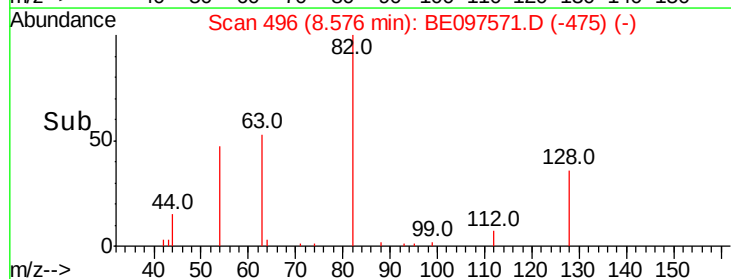
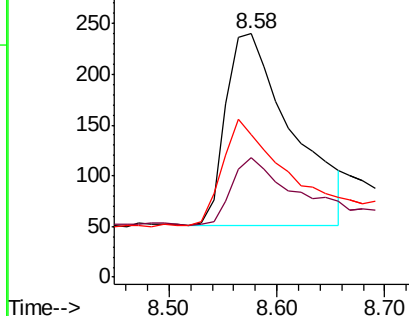


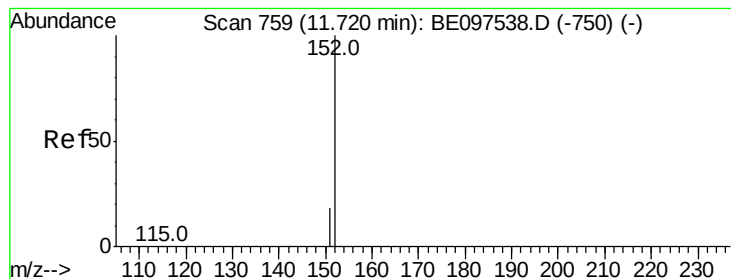
Abundance

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





#11

2-Methylnaphthalene-d10

Concen: 0.452 ng

RT: 11.75 min Scan# 766

Delta R.T. 0.04 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

Instrument :

BNA_E

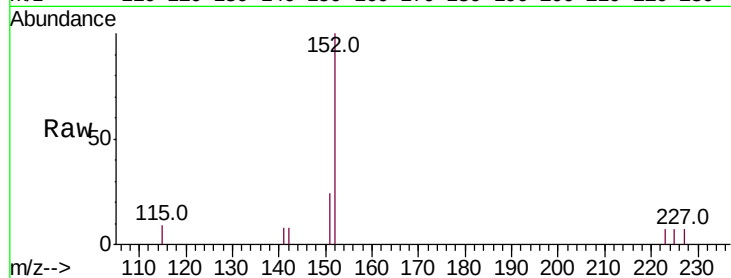
ClientSampleId :

Tot Ion:152 Resp: 2110

Ion Ratio Lower Upper

152 100

151 17.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.75

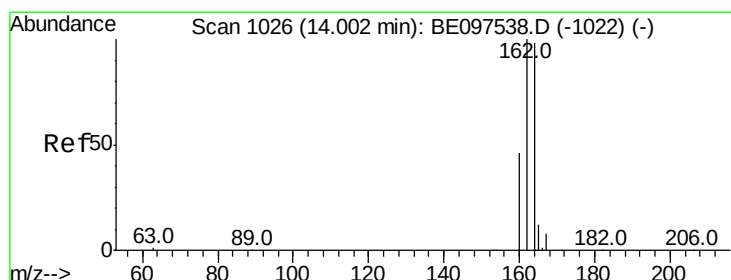
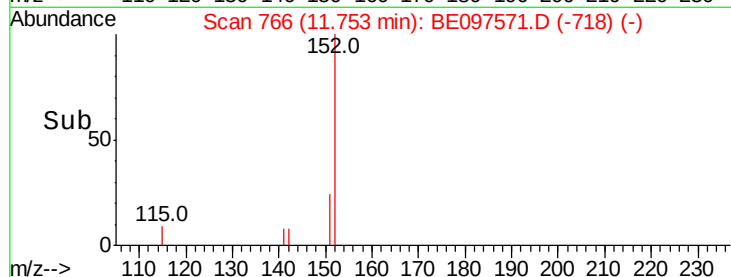
600

400

200

0

Time--> 11.60 11.70 11.80 11.90



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

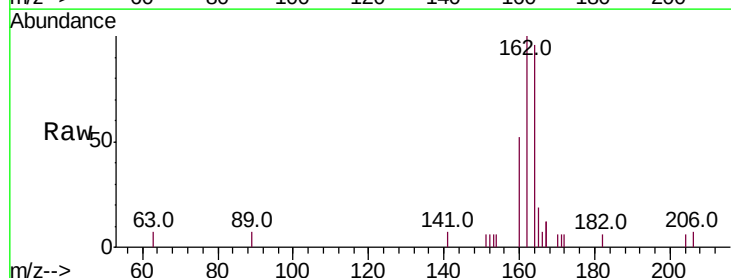
Tgt Ion:164 Resp: 1920

Ion Ratio Lower Upper

164 100

162 104.6 83.1 124.7

160 54.6 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

14.01

1000

800

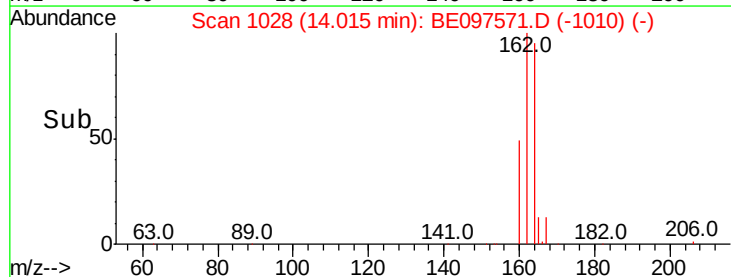
600

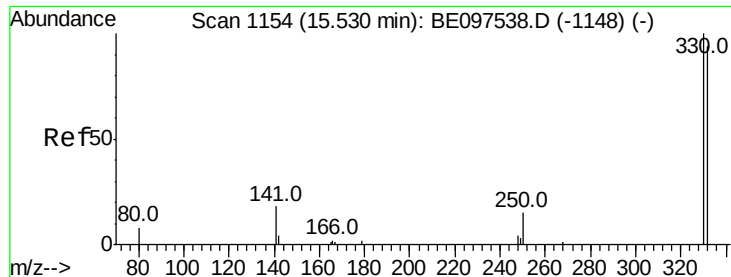
400

200

0

Time--> 14.00 14.20





#14

2,4,6-Tribromophenol

Concen: 0.227 ng

RT: 15.55 min Scan# 1157

Delta R.T. 0.03 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

Instrument :

BNA_E

ClientSampled :

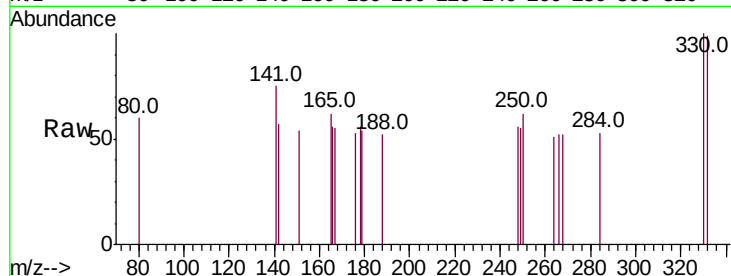
Tot Ion:330 Resp: 120

Ion Ratio Lower Upper

330 100

332 93.3 152.7 229.1#

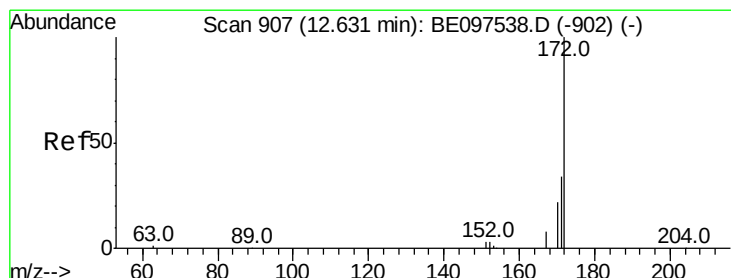
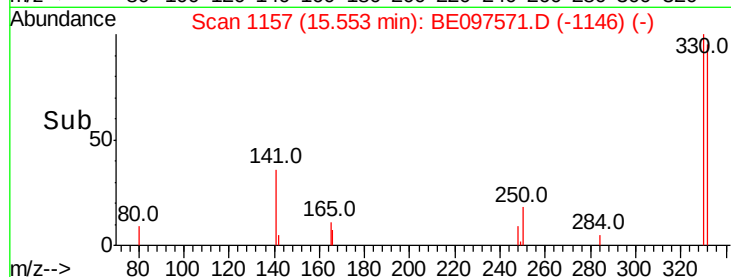
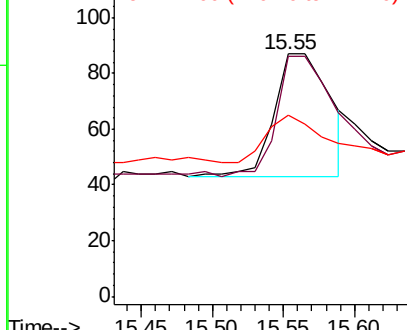
141 37.5 33.7 50.5



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: 0.447 ng

RT: 12.64 min Scan# 909

Delta R.T. 0.02 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

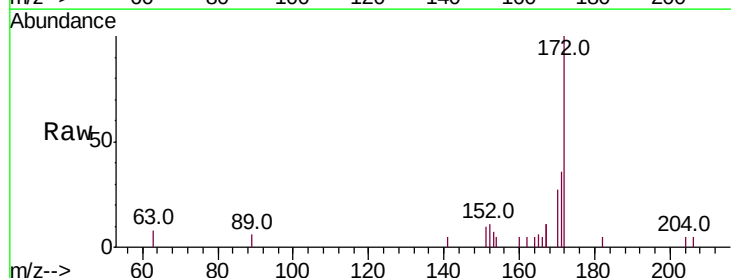
Tgt Ion:172 Resp: 3034

Ion Ratio Lower Upper

172 100

171 36.3 29.9 44.9

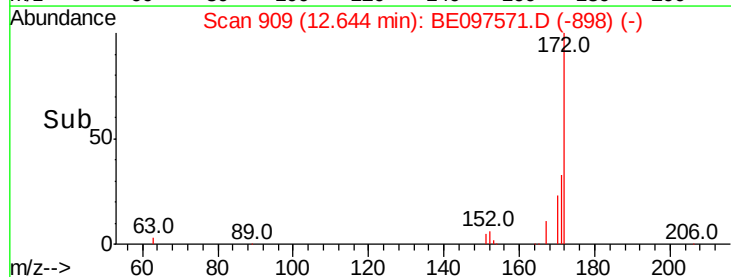
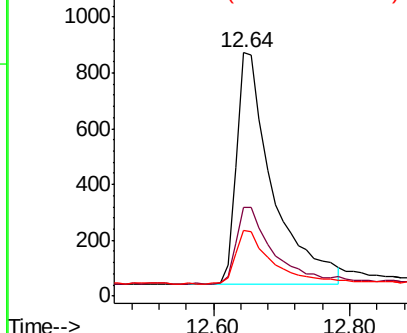
170 27.0 21.8 32.8

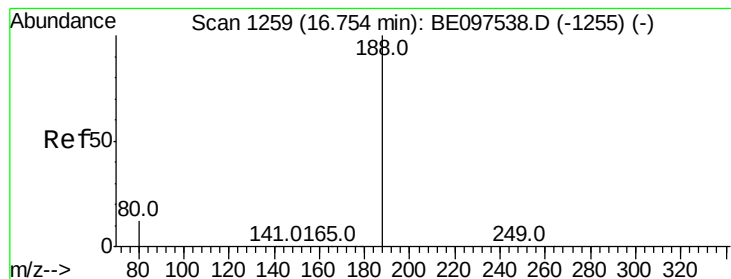


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1262

Delta R.T. 0.02 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

Instrument :

BNA_E

ClientSampleId :

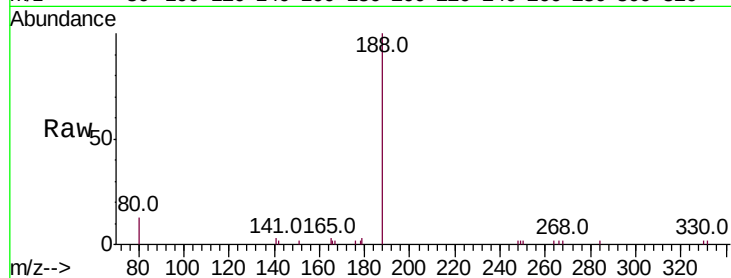
Tot Ion:188 Resp: 5528

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

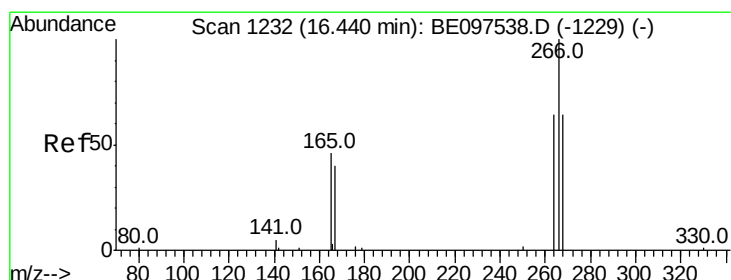
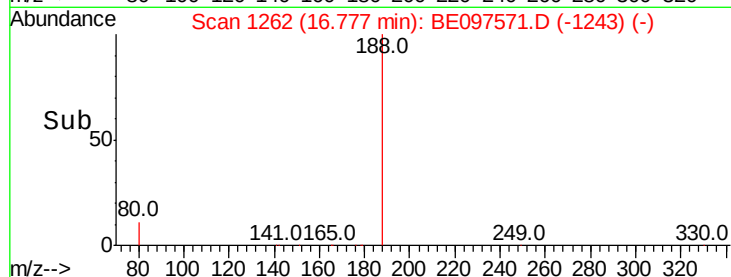
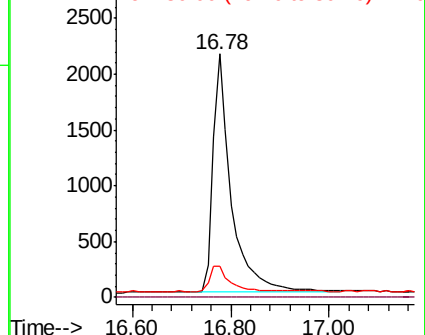
80 13.0 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.135 ng

RT: 16.42 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

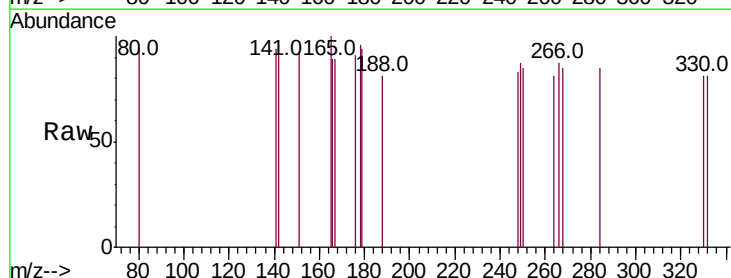
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

264 93.6 72.5 108.7

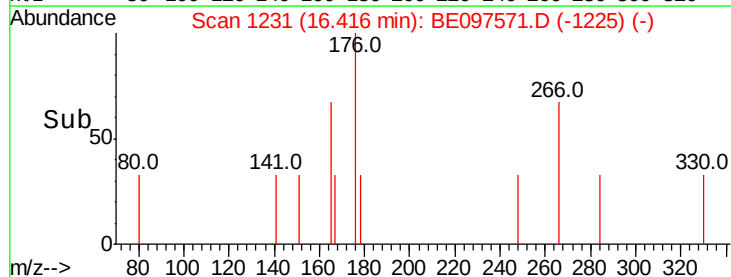
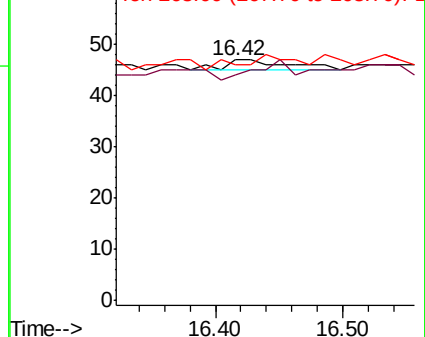
268 97.9 73.8 110.6

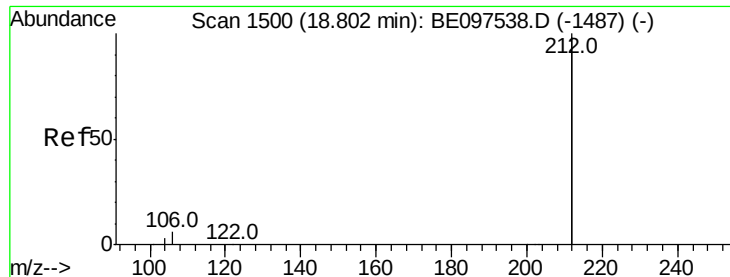


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.454 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.01 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

Instrument :

BNA_E

ClientSampleId :

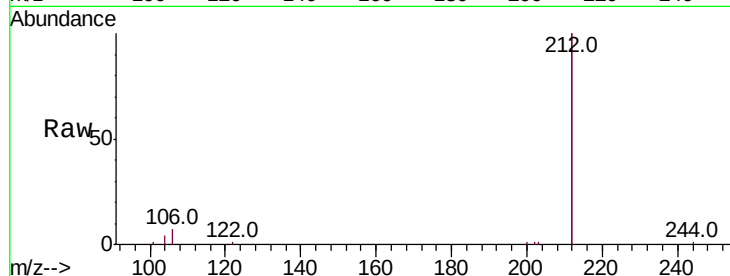
Tot Ion:212 Resp: 32106

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

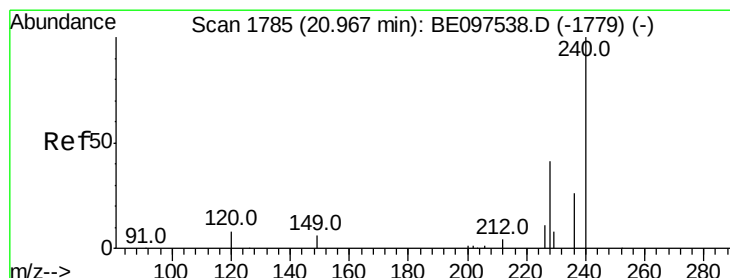
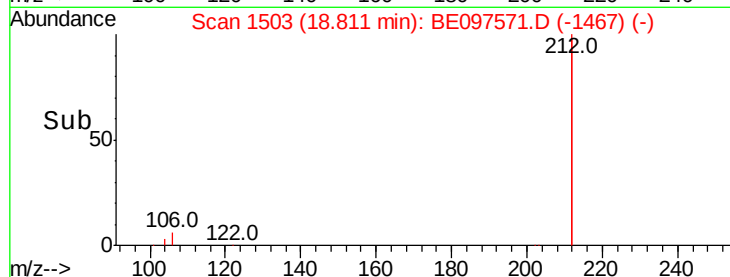
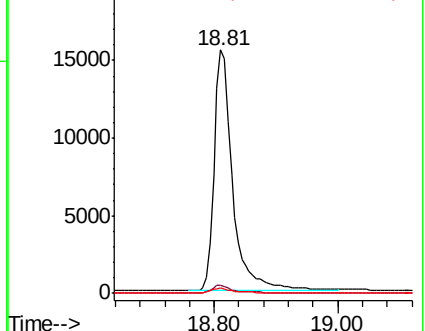
104 1.7 1.6 2.4



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

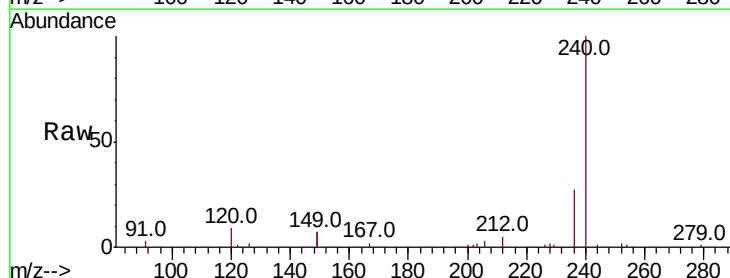
Tgt Ion:240 Resp: 7179

Ion Ratio Lower Upper

240 100

120 9.0 5.5 8.3#

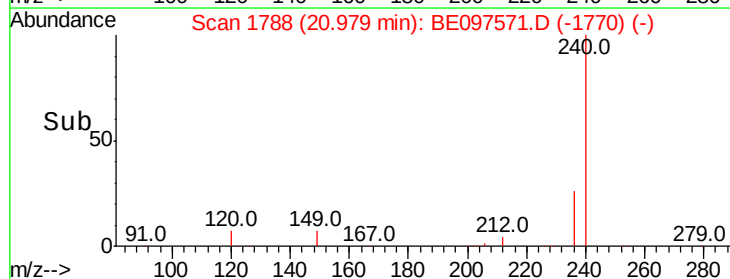
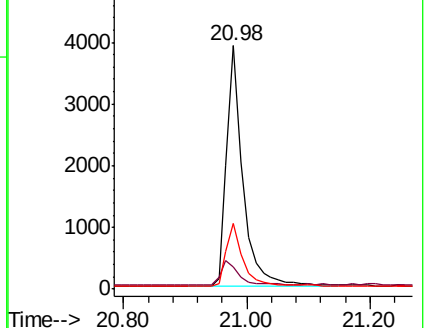
236 26.9 20.7 31.1

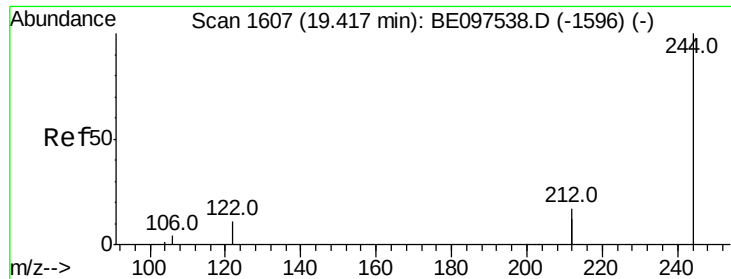


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

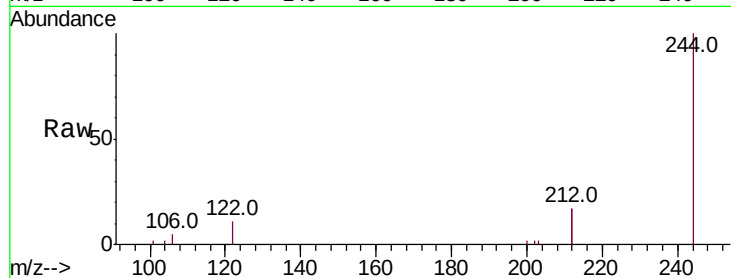




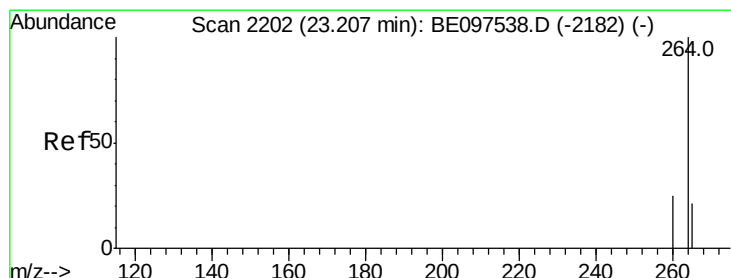
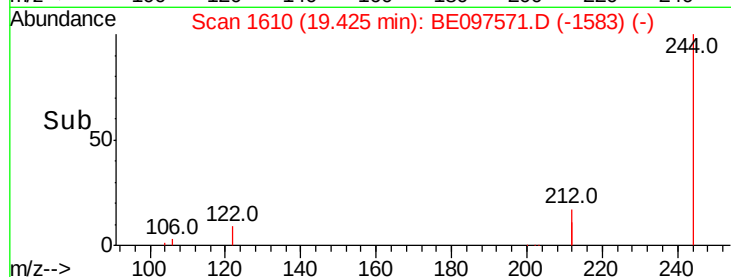
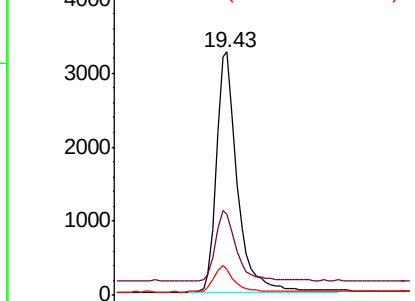
#29
 Terphenyl-d14
 Concen: 0.430 ng
 RT: 19.43 min Scan# 1610
 Delta R.T. 0.01 min
 Lab File: BE097571.D
 Acq: 20 Sep 2018 11:10

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 5653
 Ion Ratio Lower Upper
 244 100
 212 33.3 25.4 38.0
 122 10.7 8.1 12.1

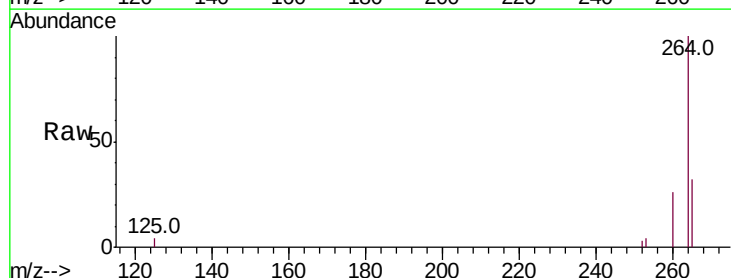


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

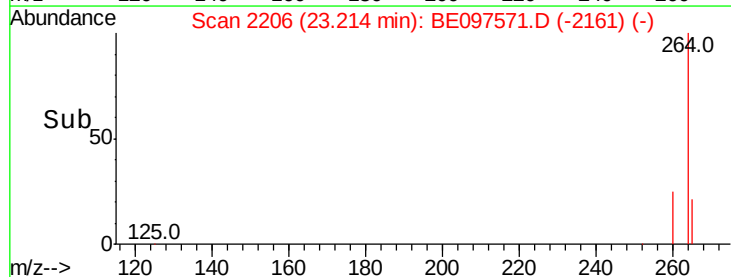
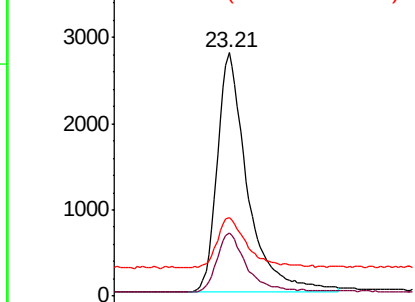


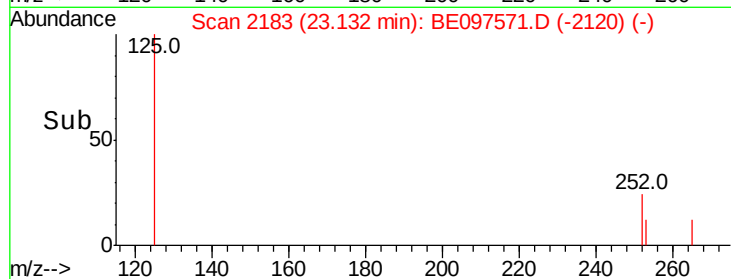
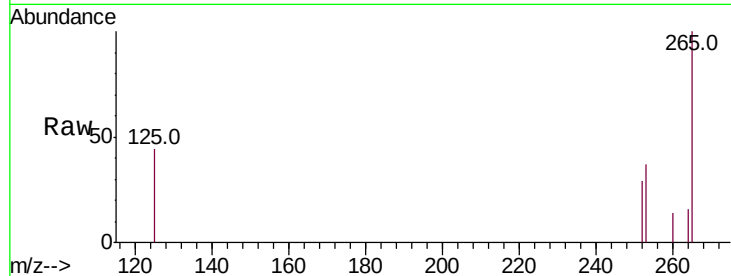
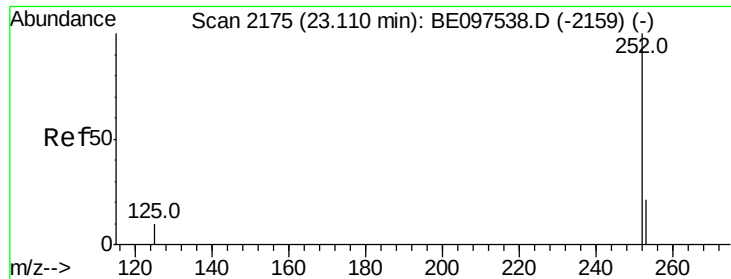
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2206
 Delta R.T. 0.01 min
 Lab File: BE097571.D
 Acq: 20 Sep 2018 11:10

Tgt Ion:264 Resp: 7196
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.5 30.7
 265 32.2 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





#37

Benzo(a)pyrene

Concen: 0.021 ng

RT: 23.13 min Scan# 2183

Delta R.T. 0.02 min

Lab File: BE097571.D

Acq: 20 Sep 2018 11:10

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 252 Resp: 14

Ion Ratio Lower Upper

252 100

253 127.7 16.0 24.0#

125 152.1 12.0 18.0#

