

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097616.D
 Acq On : 21 Sep 2018 17:53
 Operator : SJ/JU
 Sample : PB112764BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB112764BL

Quant Time: Sep 22 04:08:39 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	1002	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	3986	0.40	ng	0.03
13) Acenaphthene-d10	14.03	164	2083	0.40	ng	0.02
19) Phenanthrene-d10	16.78	188	5024	0.40	ng	0.02
27) Chrysene-d12	20.98	240	6886	0.40	ng	0.01
34) Perylene-d12	23.21	264	6888	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	1106	0.37	ng	0.01
5) Phenol-d6	6.65	99	427	0.11	ng	0.05
8) Nitrobenzene-d5	8.59	82	753	0.24	ng	0.06
11) 2-Methylnaphthalene-d10	11.77	152	2195	0.40	ng	0.05
14) 2,4,6-Tribromophenol	15.56	330	148	0.24	ng	0.05
15) 2-Fluorobiphenyl	12.66	172	3062	0.42	ng	0.03
25) Fluoranthene-d10	18.82	212	25919	0.40	ng	0.01
29) Terphenyl-d14	19.42	244	4733	0.38	ng	0.00

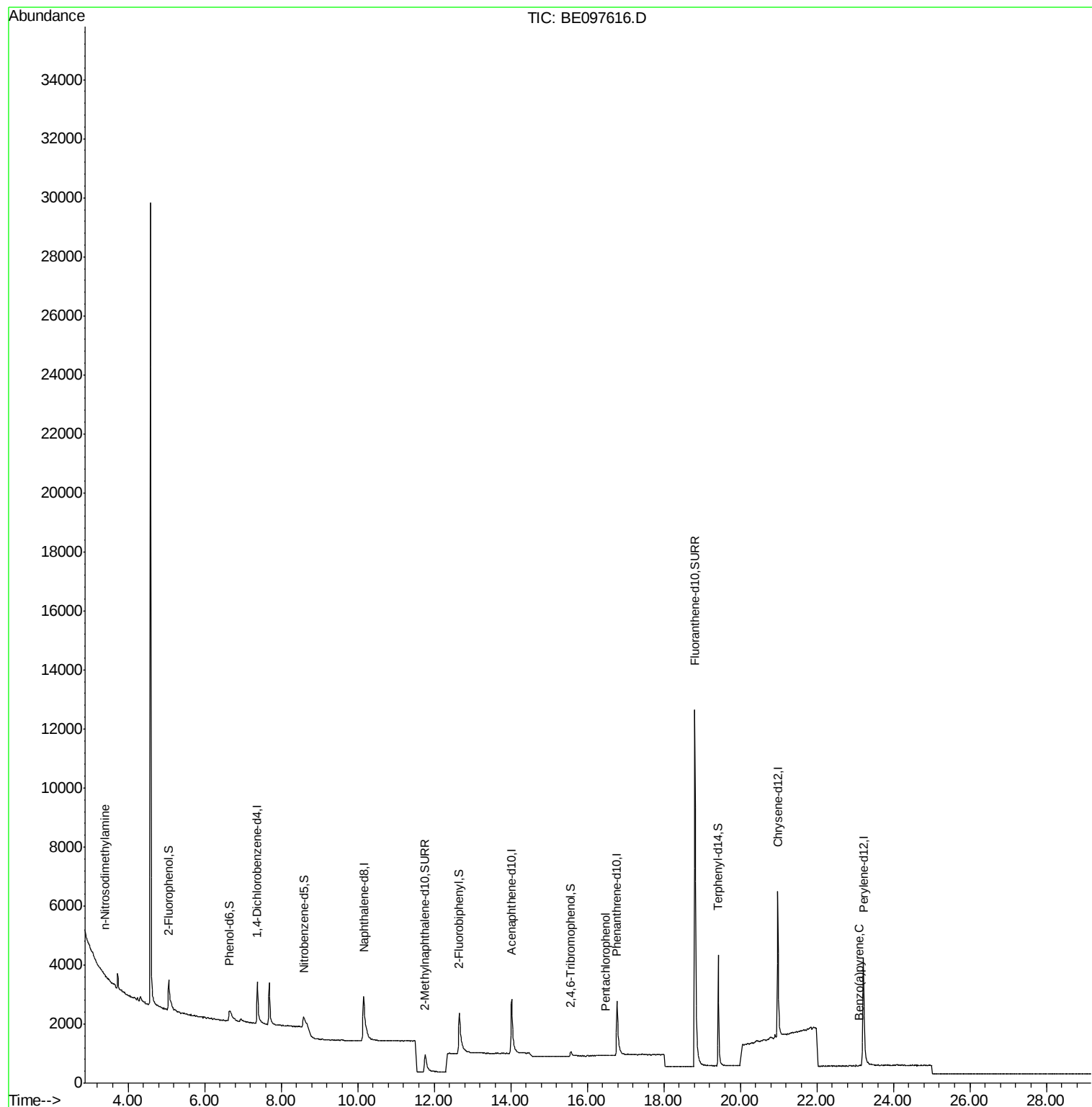
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.05	88	10	Below Cal	#	16
3) n-Nitrosodimethylamine	3.38	42	36	0.040	ng	# 1
22) Pentachlorophenol	16.49	266	3	0.132	ng	93
37) Benzo(a)pyrene	23.12	252	1	0.021	ng	# 1

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

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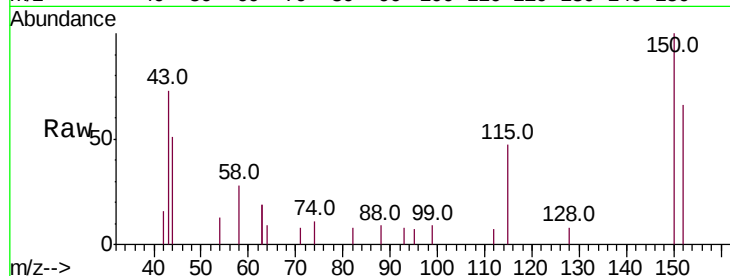


#1

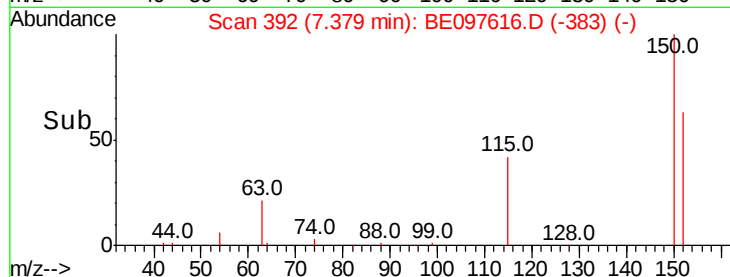
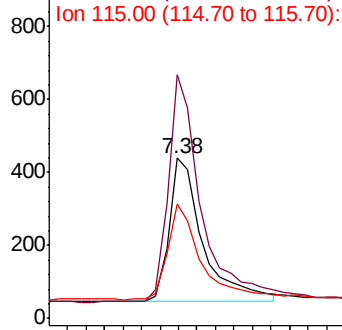
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.38 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: BE097616.D
 Acq: 21 Sep 2018 17:53

Instrument :
 BNA_E
 ClientSampleId :
 PB112764BL

Tot Ion:152 Resp: 1002
 Ion Ratio Lower Upper
 152 100
 150 152.2 117.2 175.8
 115 71.8 57.0 85.6



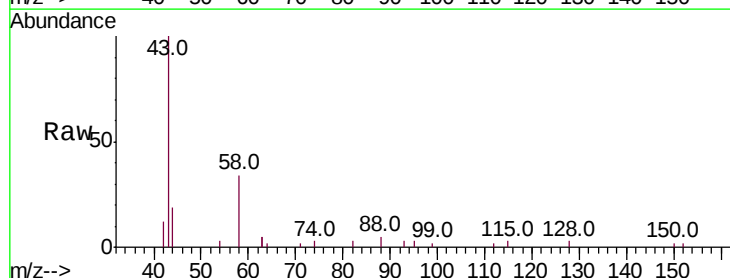
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



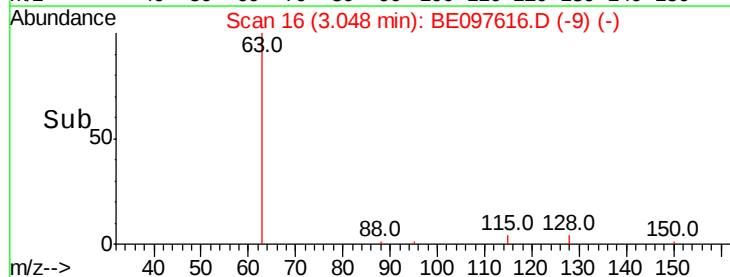
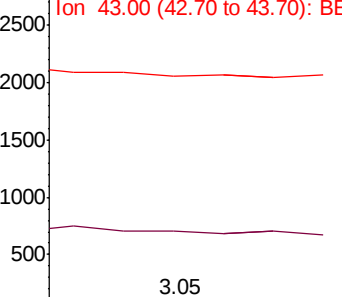
#2

1,4-Dioxane
 Concen: Below Cal
 RT: 3.05 min Scan# 16
 Delta R.T. -0.02 min
 Lab File: BE097616.D
 Acq: 21 Sep 2018 17:53

Tgt Ion: 88 Resp: 10
 Ion Ratio Lower Upper
 88 100
 58 0.0 63.2 94.8#
 43 0.0 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: 0.040 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097616.D

Acq: 21 Sep 2018 17:53

Instrument :

BNA_E

ClientSampleId :

PB112764BL

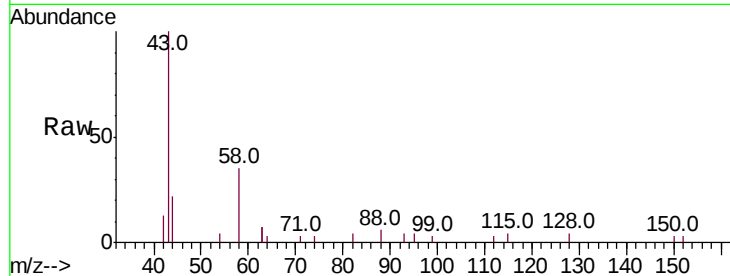
Tot Ion: 42 Resp: 36

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

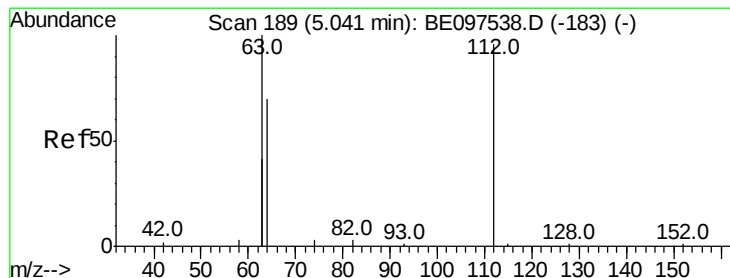
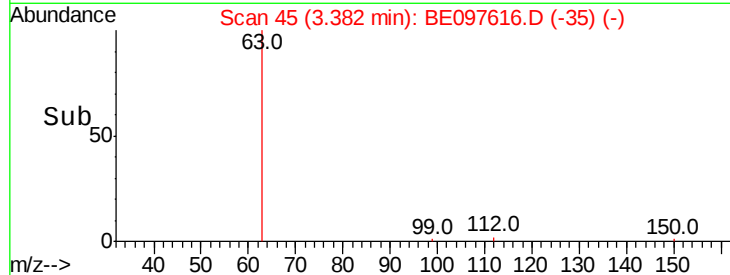
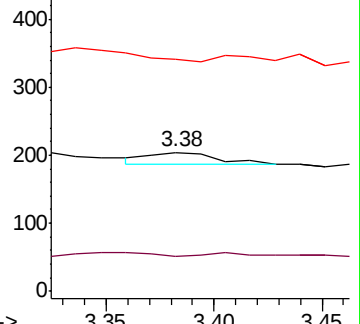
44 0.0 12.0 18.0#



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: 0.368 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097616.D

Acq: 21 Sep 2018 17:53

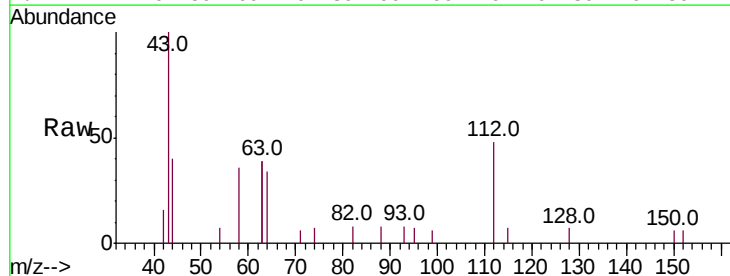
Tgt Ion: 112 Resp: 1106

Ion Ratio Lower Upper

112 100

64 64.8 60.1 90.1

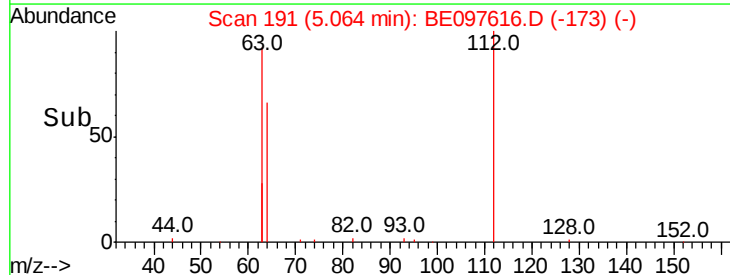
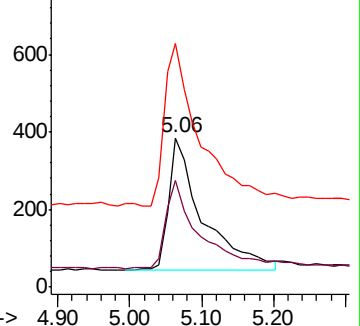
63 130.6 116.8 175.2



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: 0.111 ng

RT: 6.65 min Scan# 329

Delta R.T. 0.05 min

Lab File: BE097616.D

Acq: 21 Sep 2018 17:53

Instrument :

BNA_E

ClientSampleId :

PB112764BL

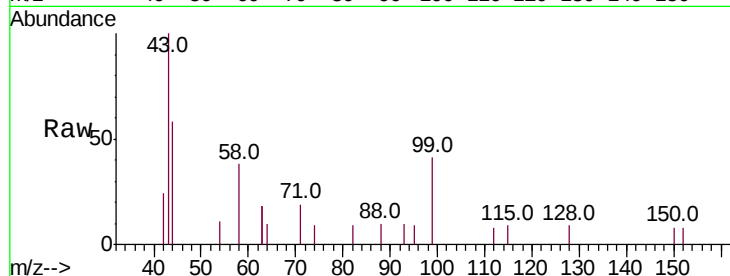
Tot Ion: 99 Resp: 427

Ion Ratio Lower Upper

99 100

42 24.1 20.2 30.2

71 34.9 28.4 42.6

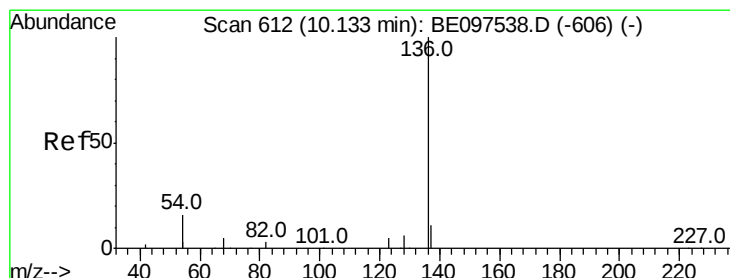
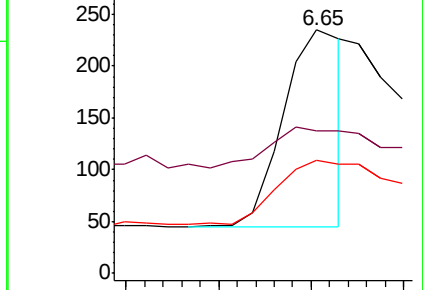
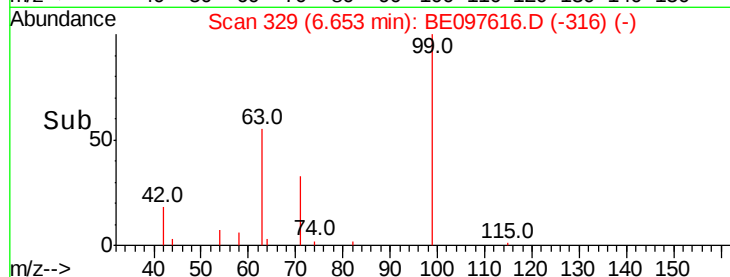


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time--> 6.55 6.60 6.65



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. 0.03 min

Lab File: BE097616.D

Acq: 21 Sep 2018 17:53

Tgt Ion: 136 Resp: 3986

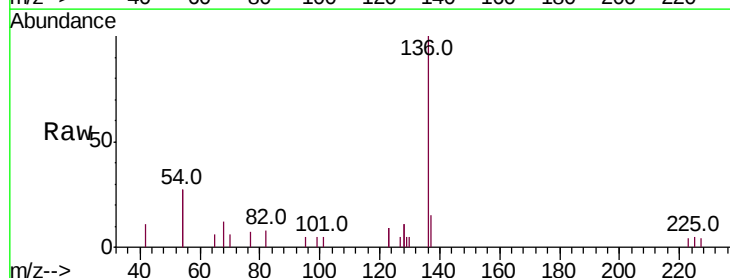
Ion Ratio Lower Upper

136 100

137 15.0 9.5 14.3#

54 53.9 29.1 43.7#

68 11.5 6.2 9.2#



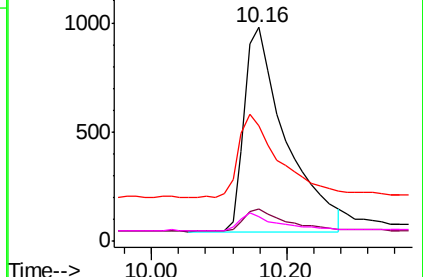
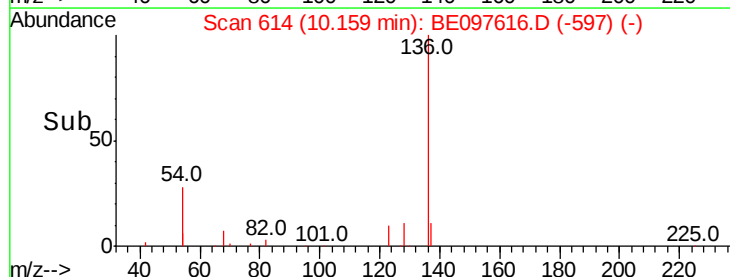
Abundance Ion 136.00 (135.70 to 136.70): E

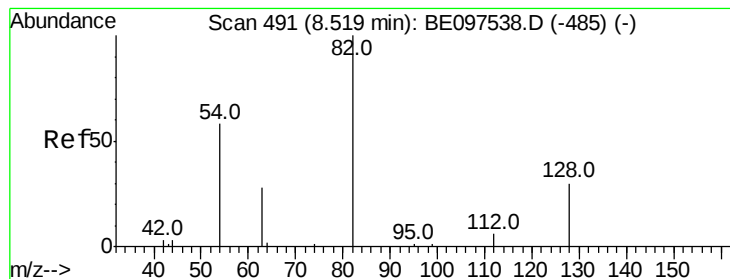
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time--> 10.00 10.20





#8

Nitrobenzene-d5

Concen: 0.245 ng

RT: 8.59 min Scan# 497

Delta R.T. 0.06 min

Lab File: BE097616.D

Acq: 21 Sep 2018 17:53

Instrument :

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PB112764BL

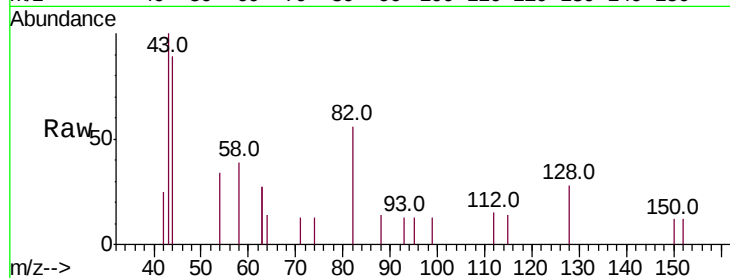
Tot Ion: 82 Resp: 753

Ion Ratio Lower Upper

82 100

128 49.8 24.0 36.0#

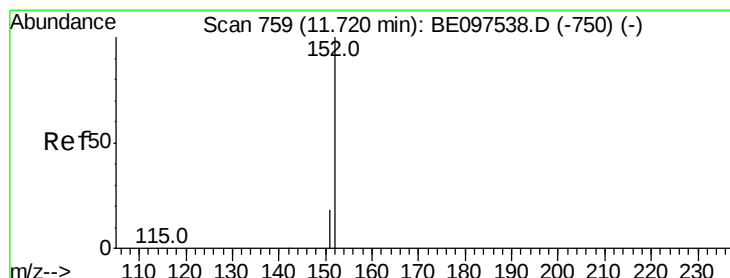
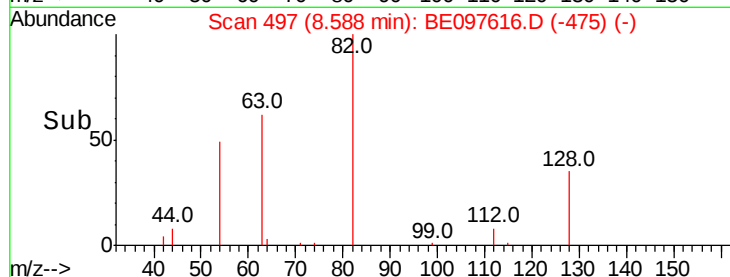
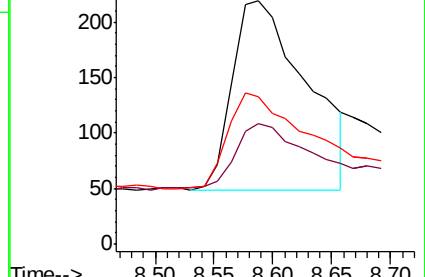
54 60.7 40.0 60.0#



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: 0.400 ng

RT: 11.77 min Scan# 769

Delta R.T. 0.05 min

Lab File: BE097616.D

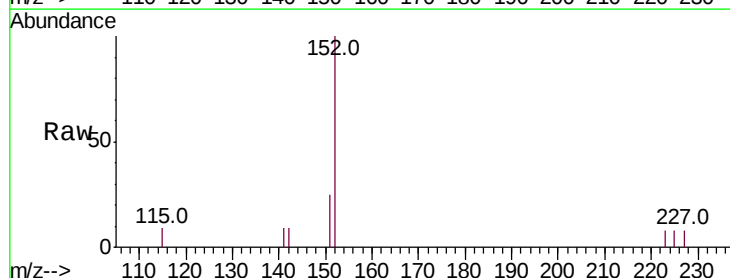
Acq: 21 Sep 2018 17:53

Tgt Ion:152 Resp: 2195

Ion Ratio Lower Upper

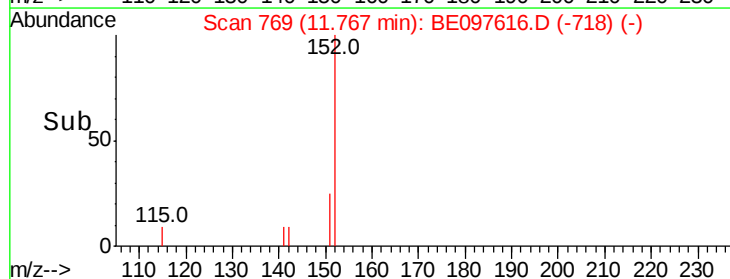
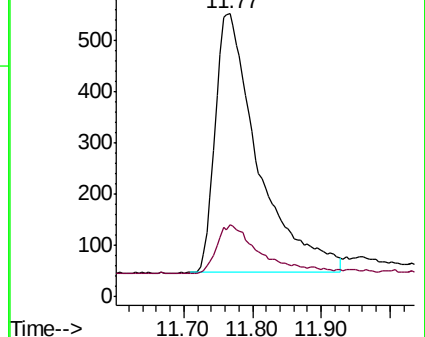
152 100

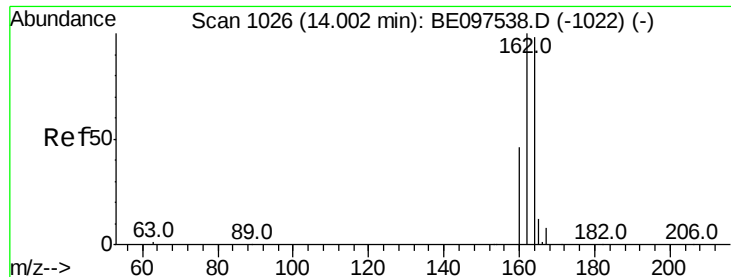
151 18.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

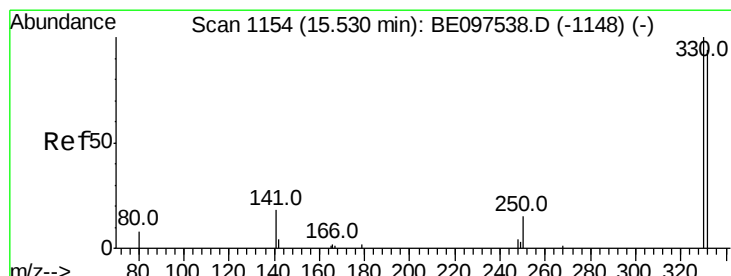
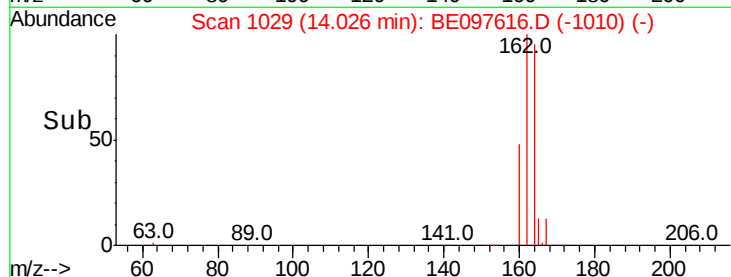
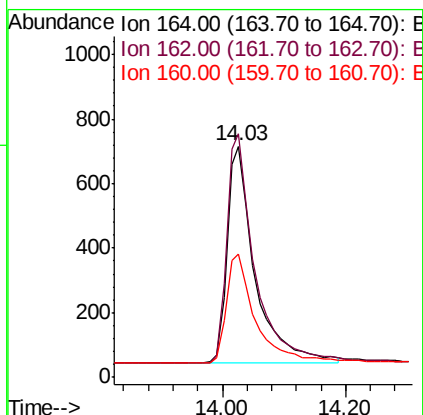
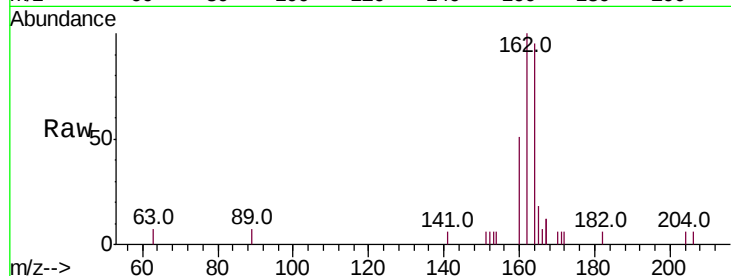




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1029
Delta R.T. 0.02 min
Lab File: BE097616.D
Acq: 21 Sep 2018 17:53

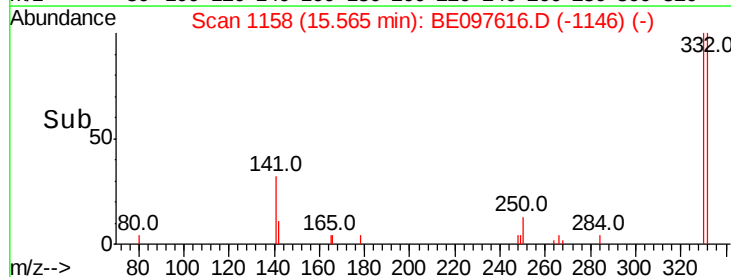
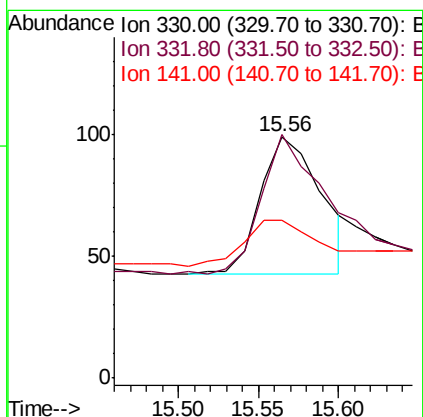
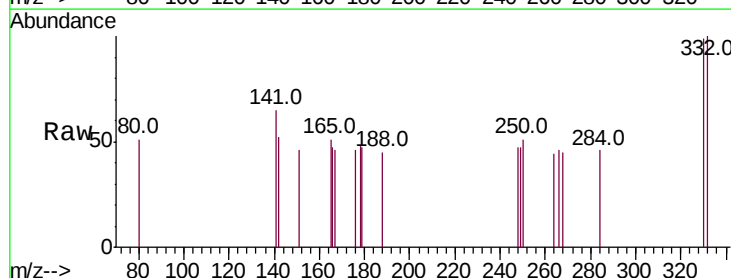
Instrument :
BNA_E
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PB112764BL

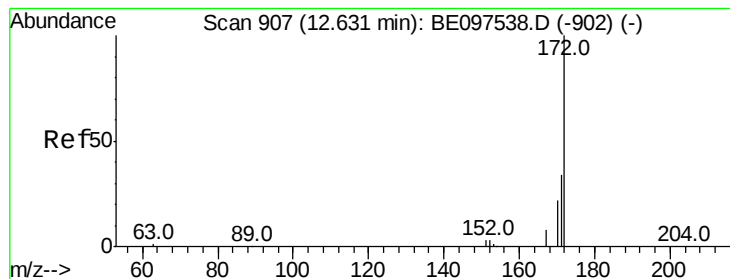
Tot Ion:164 Resp: 2083
Ion Ratio Lower Upper
164 100
162 105.3 83.1 124.7
160 53.4 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.244 ng
RT: 15.56 min Scan# 1158
Delta R.T. 0.05 min
Lab File: BE097616.D
Acq: 21 Sep 2018 17:53

Tgt Ion:330 Resp: 148
Ion Ratio Lower Upper
330 100
332 99.3 152.7 229.1#
141 39.2 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.416 ng

RT: 12.66 min Scan# 910

Delta R.T. 0.03 min

Lab File: BE097616.D

Acq: 21 Sep 2018 17:53

Instrument :

BNA_E

ClientSampleId :

PB112764BL

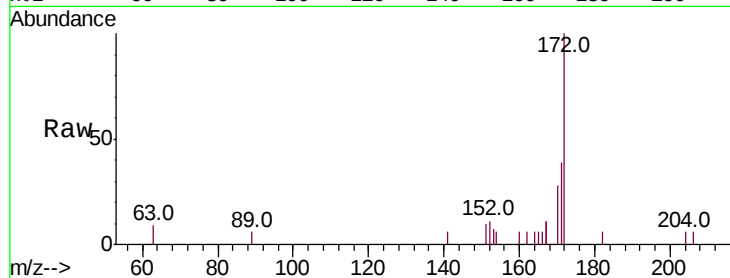
Tot Ion:172 Resp: 3062

Ion Ratio Lower Upper

172 100

171 39.1 29.9 44.9

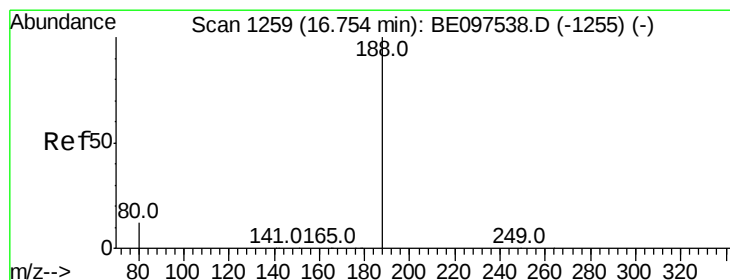
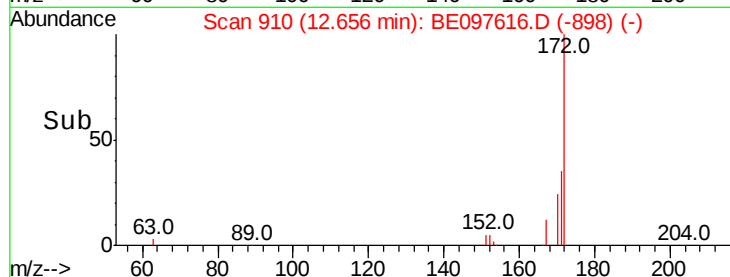
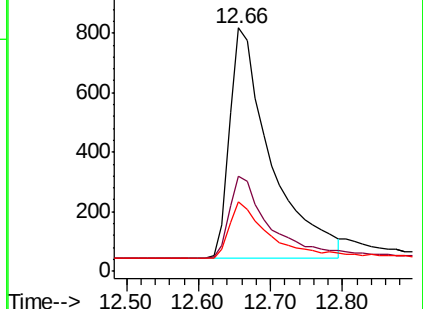
170 28.4 21.8 32.8



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: BE097616.D

Acq: 21 Sep 2018 17:53

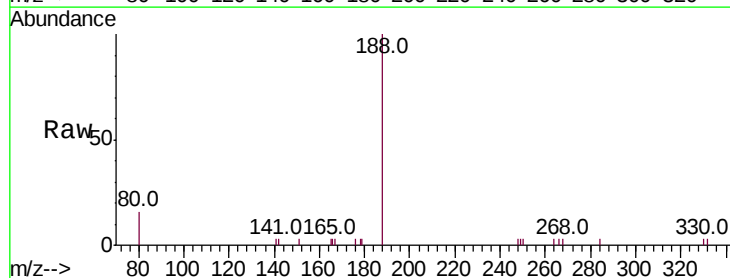
Tgt Ion:188 Resp: 5024

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

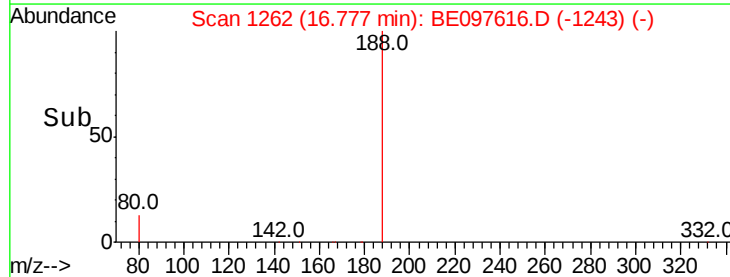
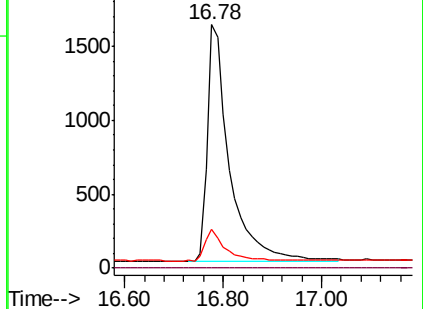
80 16.2 3.6 5.4#

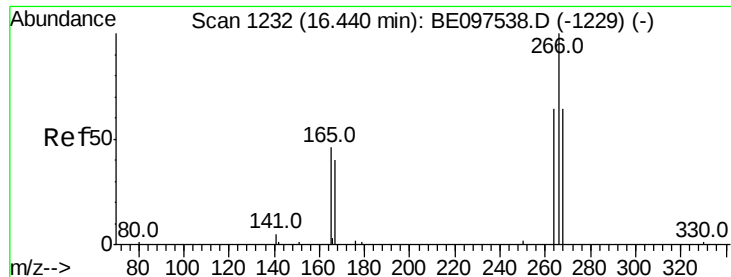


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

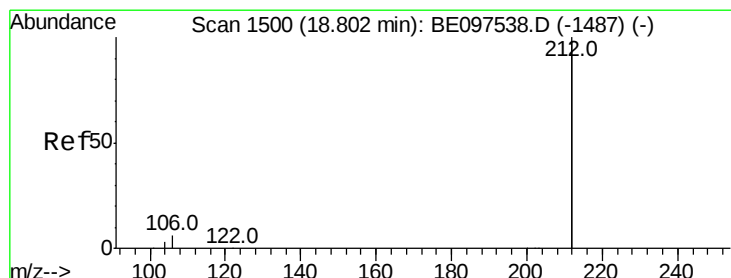
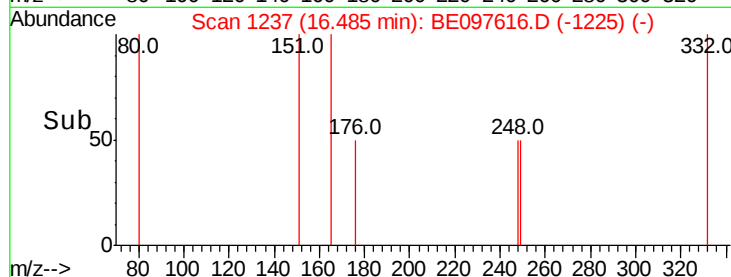
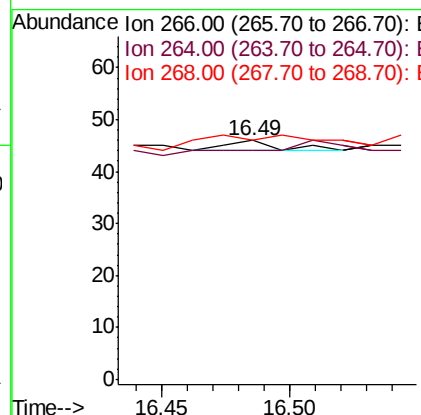
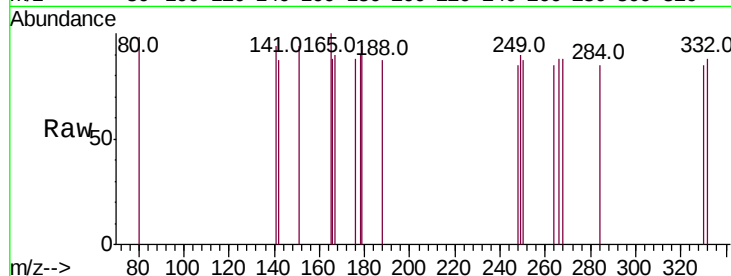




#22
 Pentachlorophenol
 Concen: 0.132 ng
 RT: 16.49 min Scan# 1237
 Delta R.T. 0.05 min
 Lab File: BE097616.D
 Acq: 21 Sep 2018 17:53

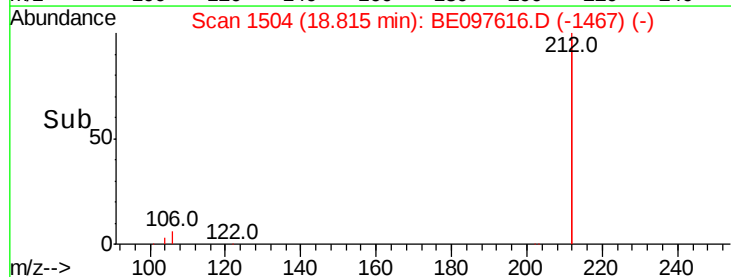
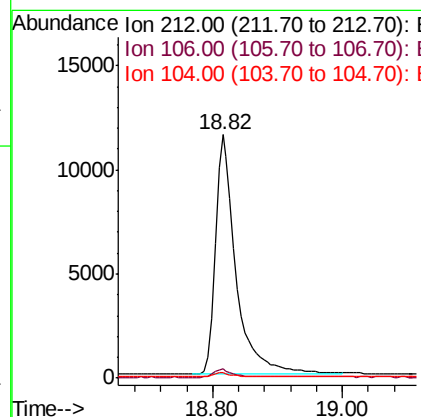
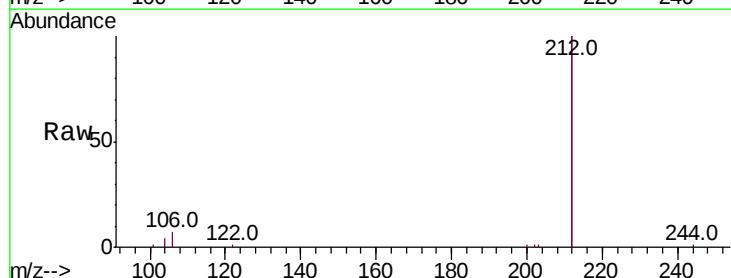
Instrument :
 BNA_E
 ClientSampleId :
 PB112764BL

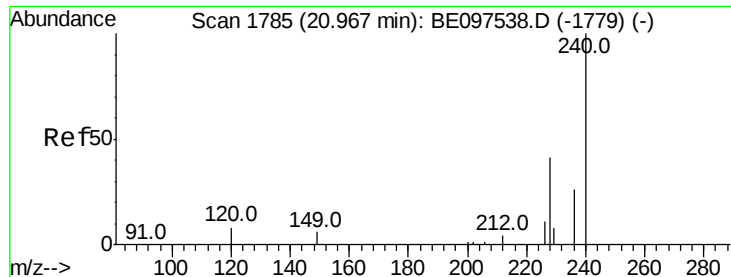
Tot Ion:266 Resp: 3
 Ion Ratio Lower Upper
 266 100
 264 95.7 72.5 108.7
 268 100.0 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.403 ng
 RT: 18.82 min Scan# 1504
 Delta R.T. 0.01 min
 Lab File: BE097616.D
 Acq: 21 Sep 2018 17:53

Tgt Ion:212 Resp: 25919
 Ion Ratio Lower Upper
 212 100
 106 3.2 2.8 4.2
 104 1.8 1.6 2.4

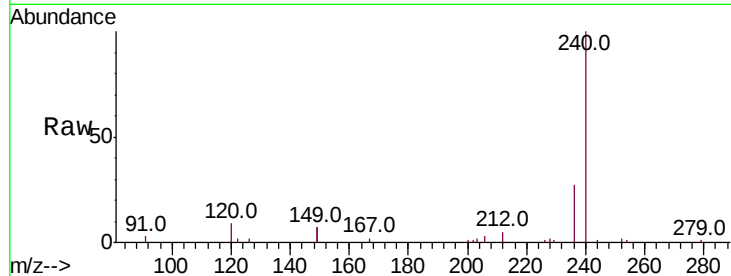




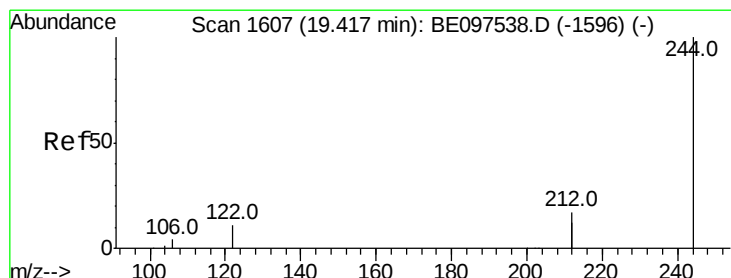
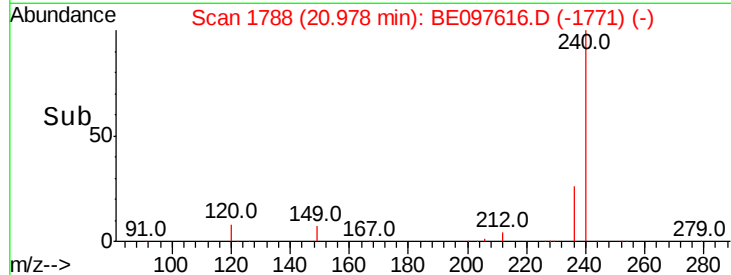
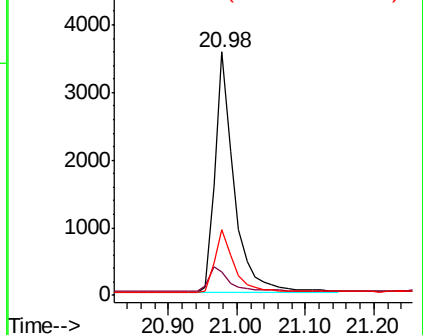
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: BE097616.D
 Acq: 21 Sep 2018 17:53

Instrument :
 BNA_E
 ClientSampleId :
 PB112764BL

Tot Ion:240 Resp: 6886
 Ion Ratio Lower Upper
 240 100
 120 9.4 5.5 8.3#
 236 26.9 20.7 31.1

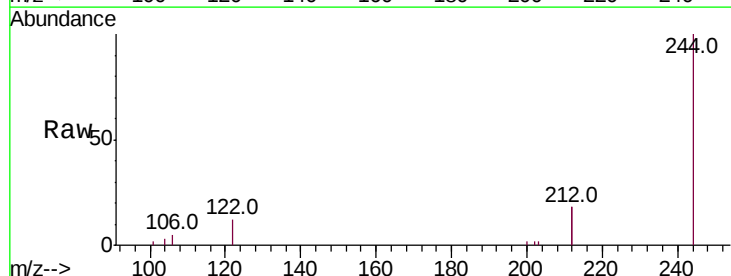


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

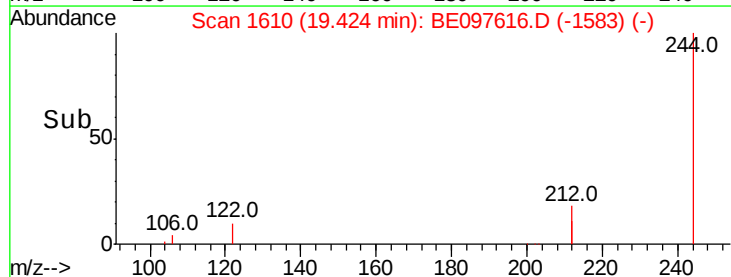
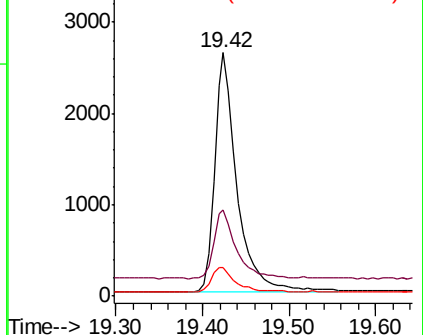


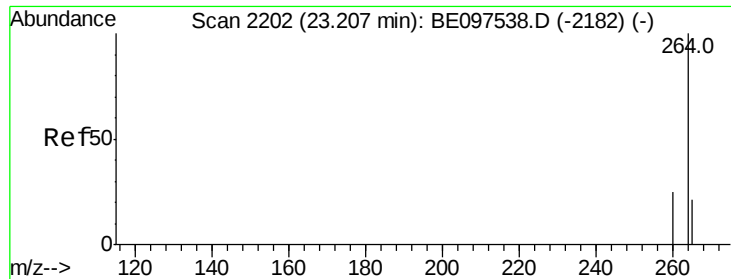
#29
 Terphenyl-d14
 Concen: 0.376 ng
 RT: 19.42 min Scan# 1610
 Delta R.T. 0.01 min
 Lab File: BE097616.D
 Acq: 21 Sep 2018 17:53

Tgt Ion:244 Resp: 4733
 Ion Ratio Lower Upper
 244 100
 212 35.4 25.4 38.0
 122 11.7 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

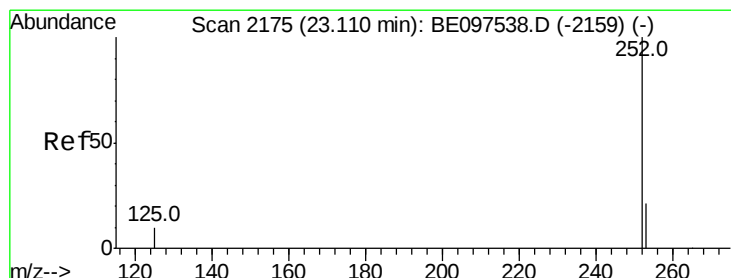
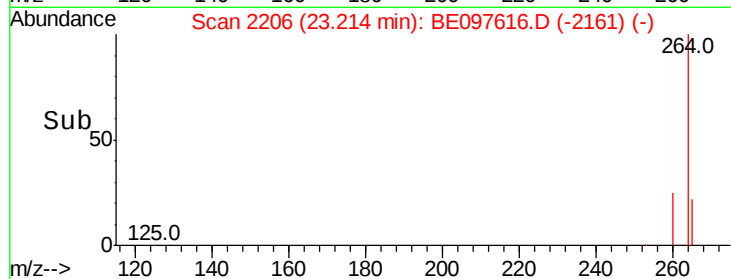
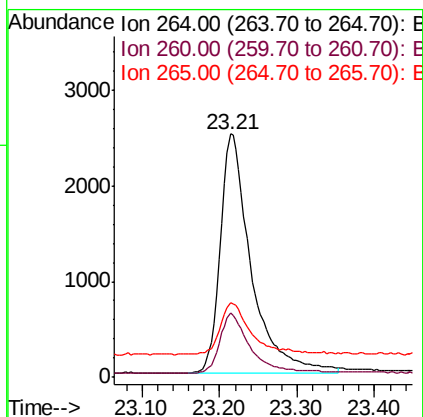
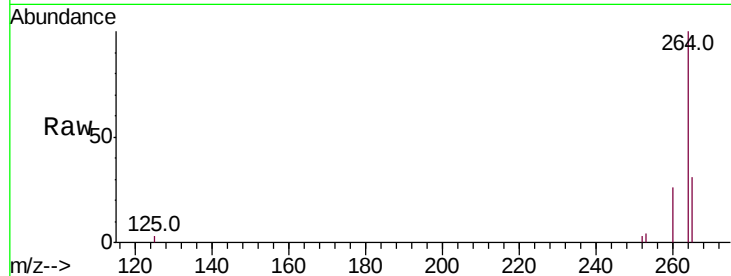




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BE097616.D
Acq: 21 Sep 2018 17:53

Instrument :
BNA_E
ClientSampleId :
PB112764BL

Tot Ion:264 Resp: 6888
Ion Ratio Lower Upper
264 100
260 26.3 20.5 30.7
265 30.9 22.8 34.2



#37
Benzo(a)pyrene
Concen: 0.021 ng
RT: 23.12 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BE097616.D
Acq: 21 Sep 2018 17:53

Tgt Ion:252 Resp: 1
Ion Ratio Lower Upper
252 100
253 129.7 16.0 24.0#
125 128.4 12.0 18.0#

