

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097621.D
 Acq On : 21 Sep 2018 20:58
 Operator : SJ/JU
 Sample : J4954-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 22 04:09:23 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	7.39	152	614	0.40	ng	0.01
7) Naphthalene-d8	10.16	136	2831	0.40	ng	0.03
13) Acenaphthene-d10	14.01	164	1788	0.40	ng	0.01
19) Phenanthrene-d10	16.76	188	6134	0.40	ng	0.00
27) Chrysene-d12	20.98	240	7771	0.40	ng	0.01
34) Perylene-d12	23.21	264	7508	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	305	0.17	ng	0.01
5) Phenol-d6	6.58	99	7	0.00	ng	-0.02
8) Nitrobenzene-d5	8.59	82	591	0.27	ng	0.06
11) 2-Methylnaphthalene-d10	11.75	152	1840	0.47	ng	0.04
14) 2,4,6-Tribromophenol	15.52	330	463	0.62	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	3614	0.57	ng	0.02
25) Fluoranthene-d10	18.80	212	34996	0.45	ng	0.00
29) Terphenyl-d14	19.41	244	9631	0.68	ng	0.00

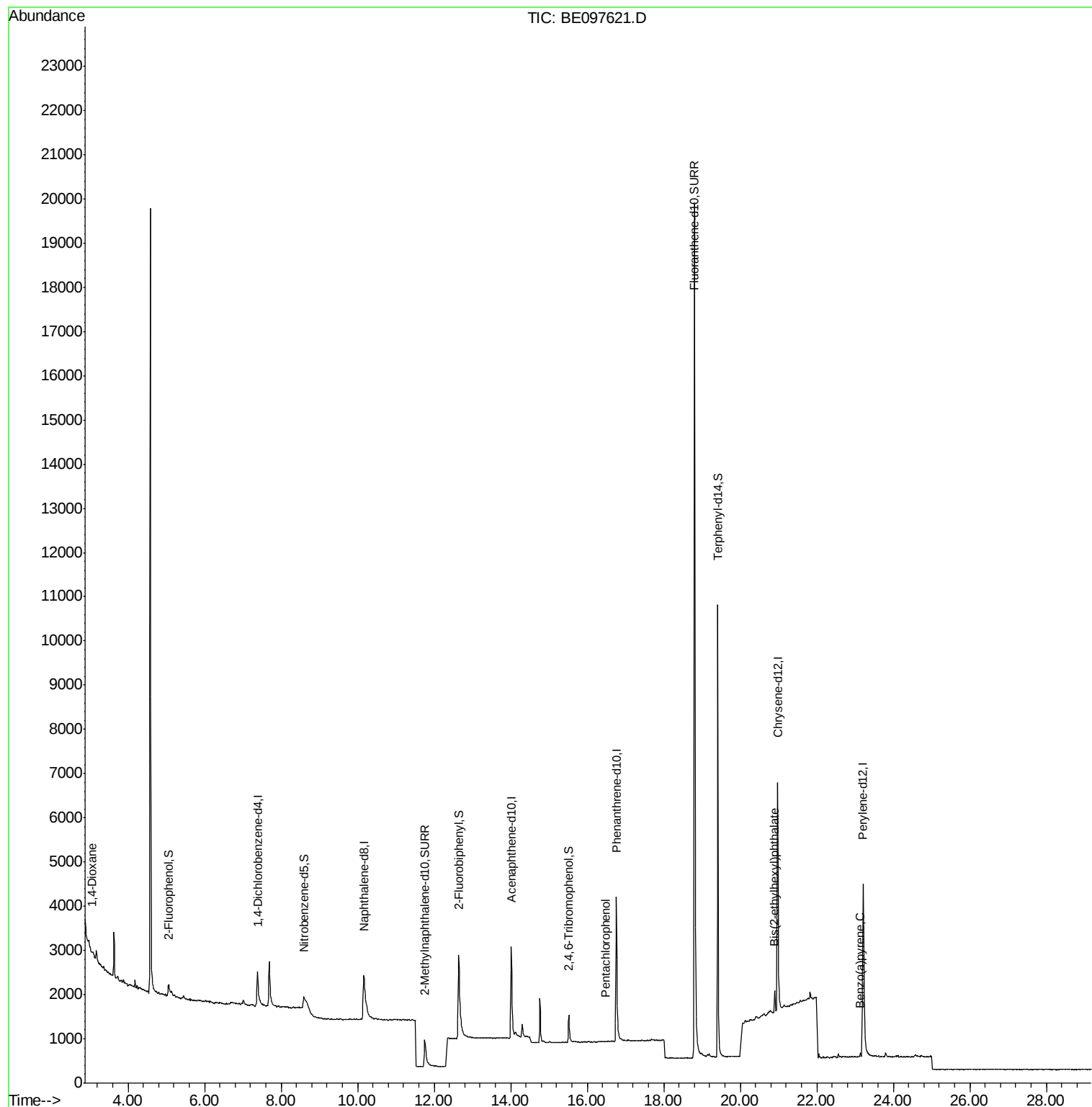
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.05	88	75	0.034	ng	# 1
22) Pentachlorophenol	16.48	266	14	0.140	ng	96
32) Bis(2-ethylhexyl)phthalate	20.89	149	785	0.034	ng	# 98
37) Benzo(a)pyrene	23.13	252	16	0.021	ng	# 1

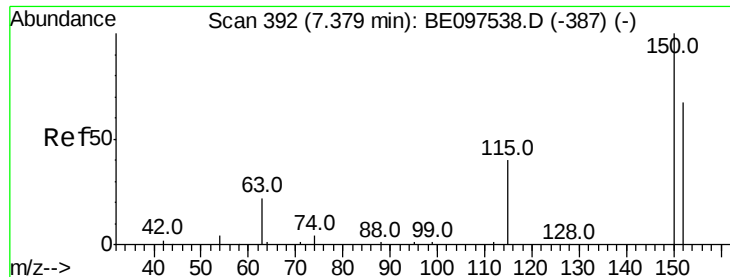
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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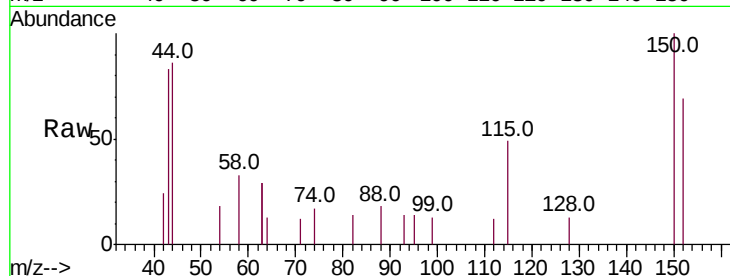


#1

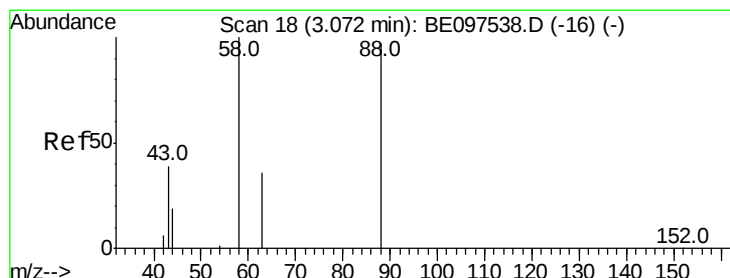
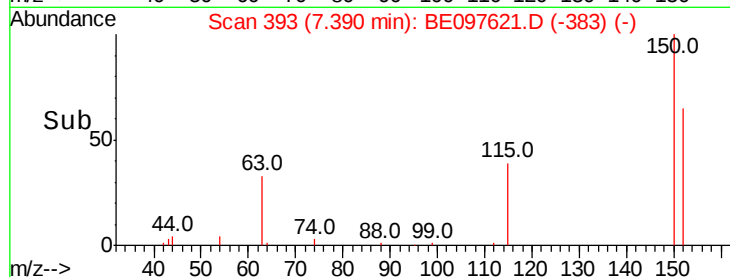
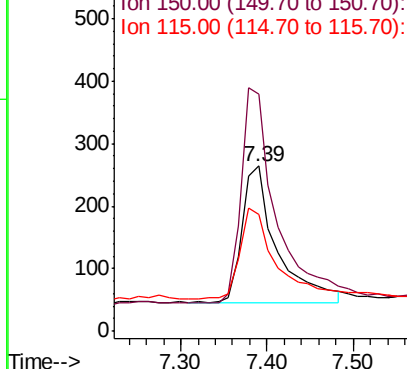
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.01 min
Lab File: BE097621.D
Acq: 21 Sep 2018 20:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 614
Ion Ratio Lower Upper
152 100
150 143.9 117.2 175.8
115 70.5 57.0 85.6



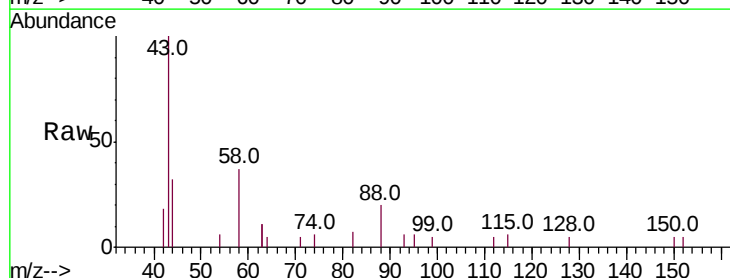
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



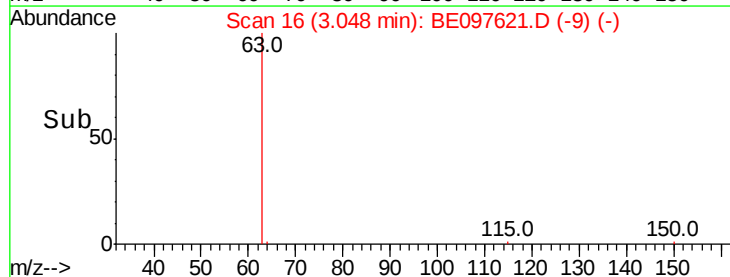
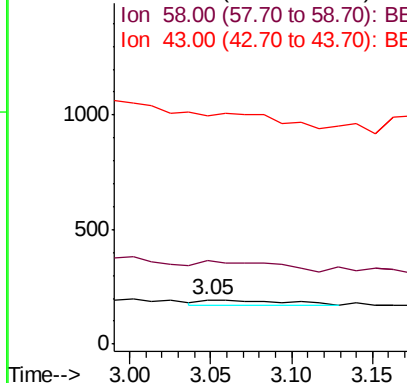
#2

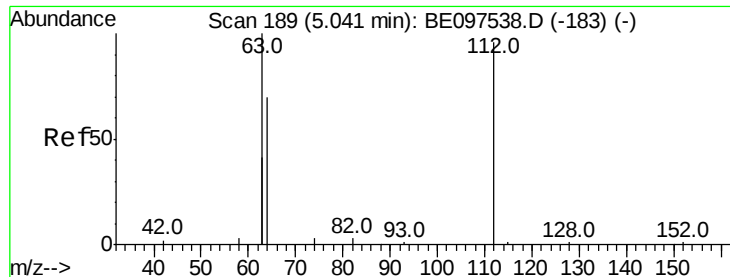
1,4-Dioxane
Concen: 0.034 ng
RT: 3.05 min Scan# 16
Delta R.T. -0.02 min
Lab File: BE097621.D
Acq: 21 Sep 2018 20:58

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
58 201.3 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





#4

2-Fluorophenol

Concen: 0.166 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

Instrument :

BNA_E

ClientSampled :

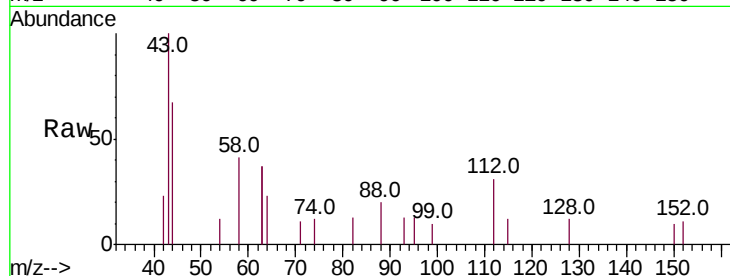
Tot Ion: 112 Resp: 305

Ion Ratio Lower Upper

112 100

64 68.9 60.1 90.1

63 143.9 116.8 175.2



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

400

300

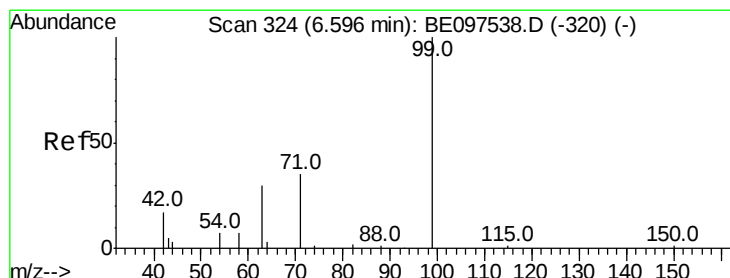
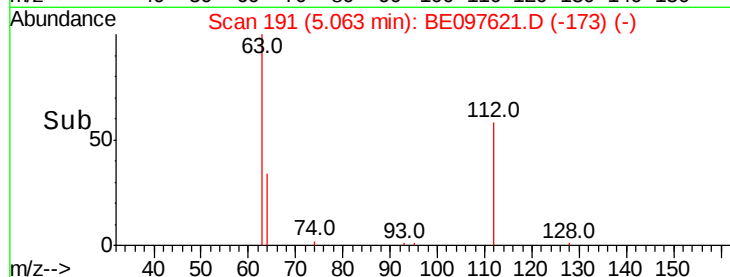
200

100

0

5.00 5.10 5.20

Time-->



#5

Phenol-d6

Concen: 0.003 ng

RT: 6.58 min Scan# 323

Delta R.T. -0.02 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

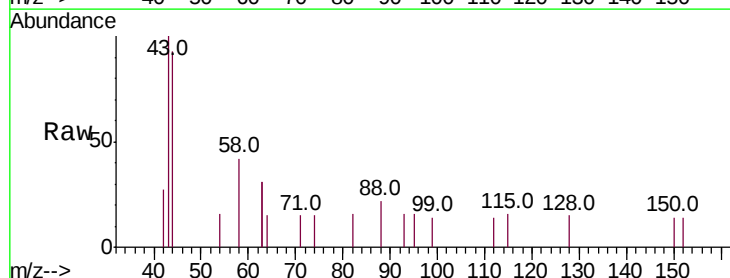
Tgt Ion: 99 Resp: 7

Ion Ratio Lower Upper

99 100

42 185.7 20.2 30.2#

71 0.0 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

120

100

80

60

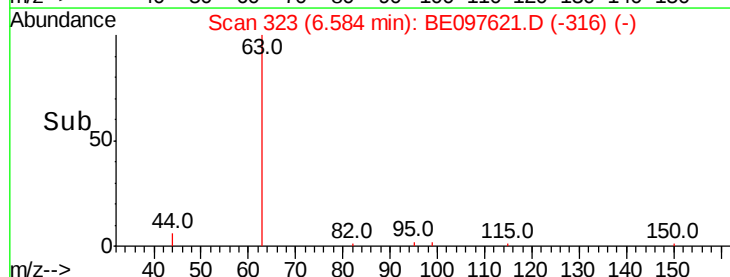
40

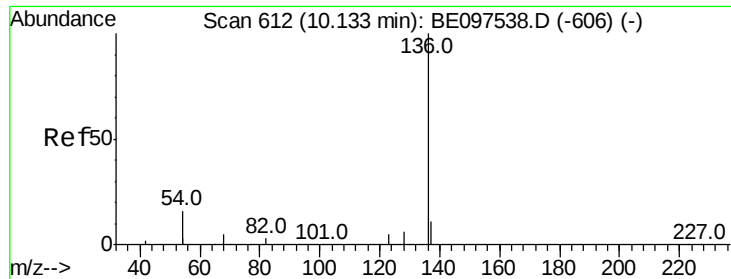
20

0

6.55 6.60

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. 0.03 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2831

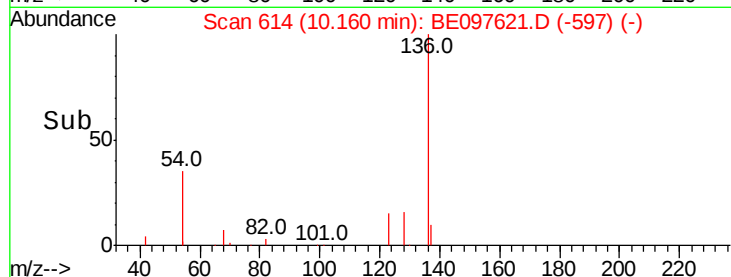
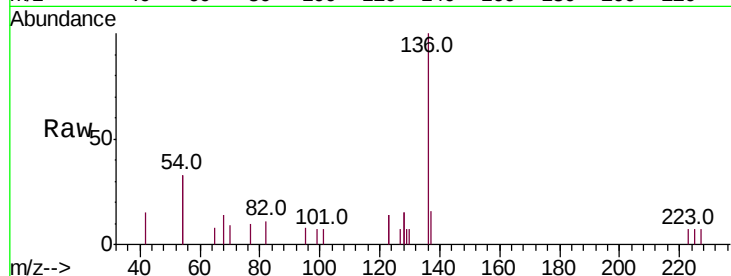
Ion Ratio Lower Upper

136 100

137 16.5 9.5 14.3#

54 65.3 29.1 43.7#

68 14.4 6.2 9.2#

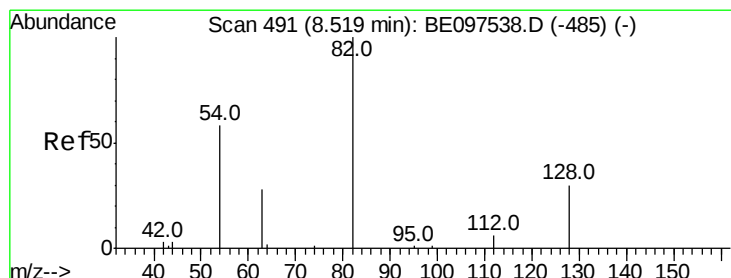
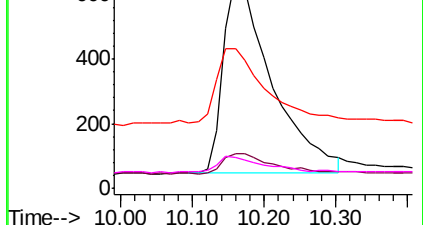


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.270 ng

RT: 8.59 min Scan# 497

Delta R.T. 0.06 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

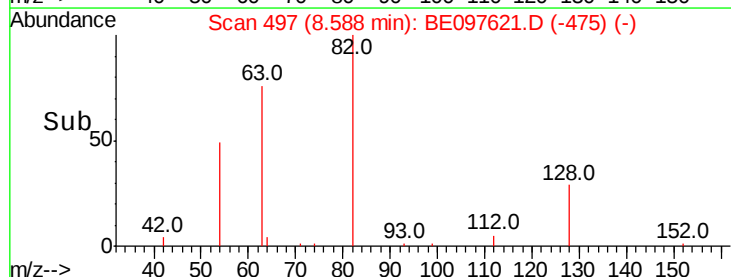
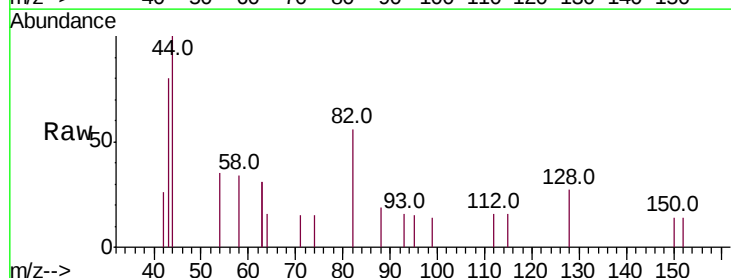
Tgt Ion: 82 Resp: 591

Ion Ratio Lower Upper

82 100

128 48.1 24.0 36.0#

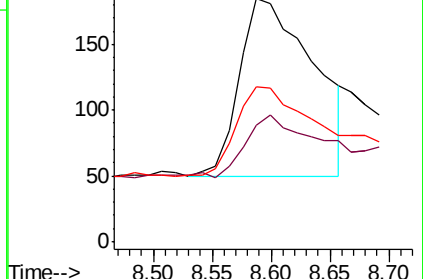
54 63.8 40.0 60.0#

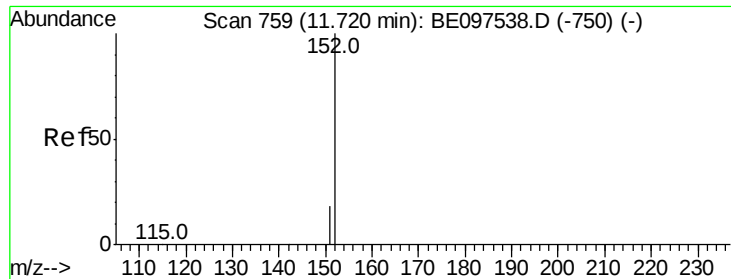


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

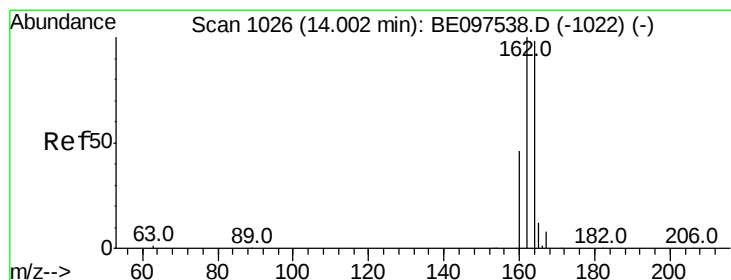
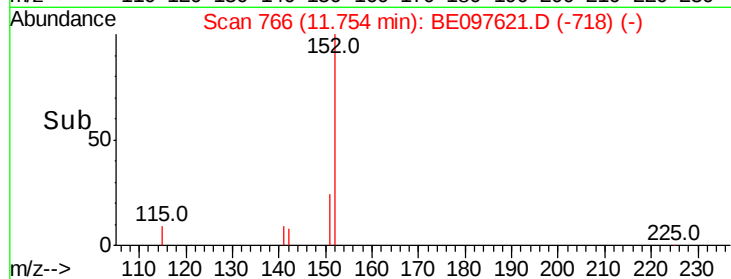
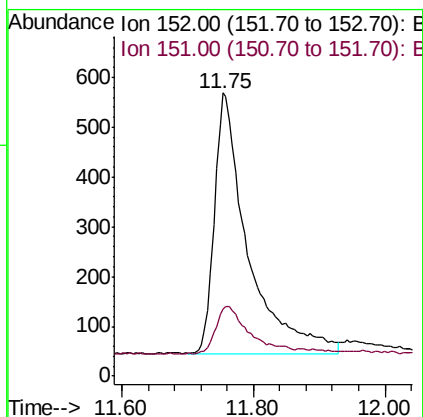
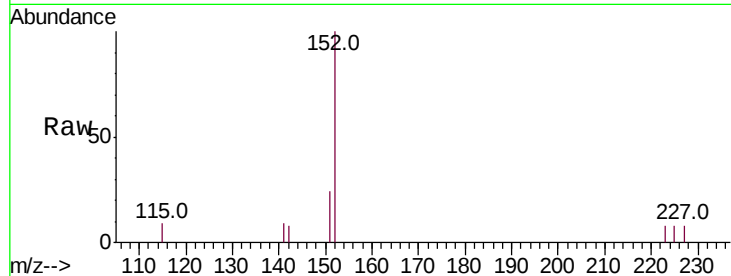




#11
2-Methylnaphthalene-d10
Concen: 0.472 ng
RT: 11.75 min Scan# 766
Delta R.T. 0.04 min
Lab File: BE097621.D
Acq: 21 Sep 2018 20:58

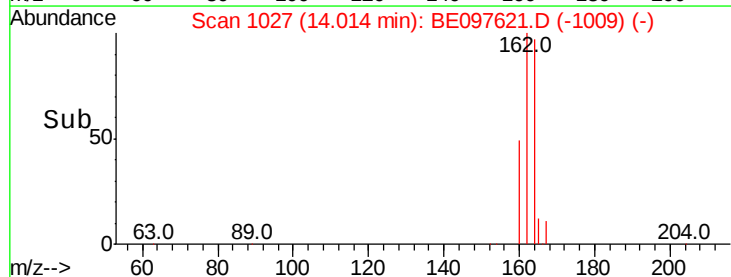
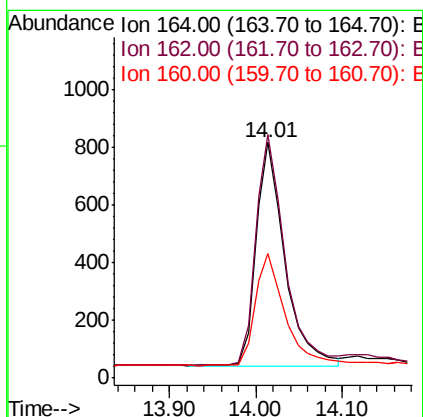
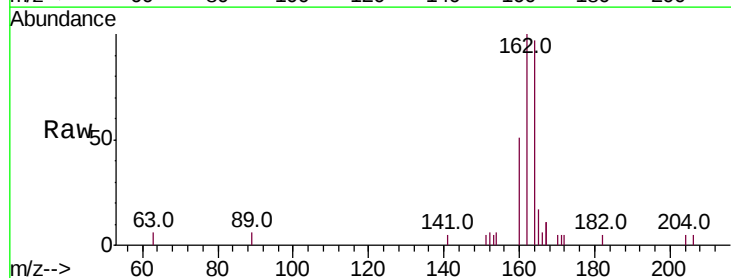
Instrument :
BNA_E
ClientSampleId :

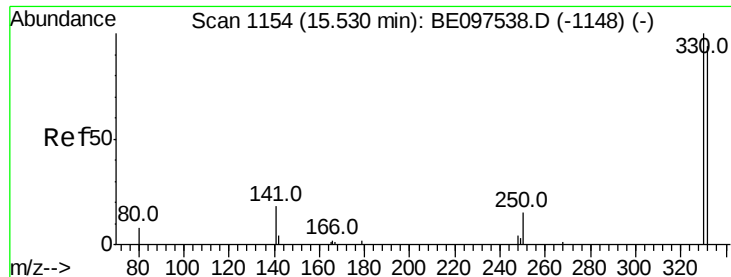
Tot Ion:152 Resp: 1840
Ion Ratio Lower Upper
152 100
151 18.3 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BE097621.D
Acq: 21 Sep 2018 20:58

Tgt Ion:164 Resp: 1788
Ion Ratio Lower Upper
164 100
162 103.3 83.1 124.7
160 53.0 37.1 55.7





#14

2,4,6-Tribromophenol

Concen: 0.618 ng

RT: 15.52 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

Instrument :

BNA_E

ClientSampleId :

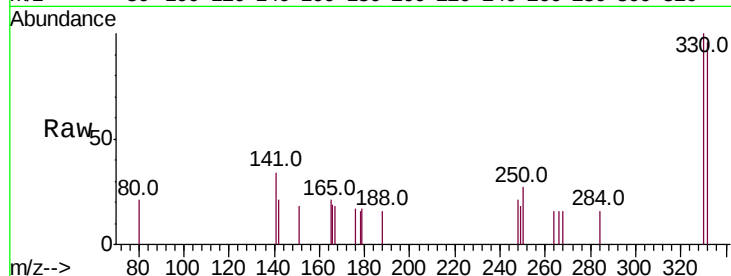
Tot Ion:330 Resp: 463

Ion Ratio Lower Upper

330 100

332 96.1 152.7 229.1#

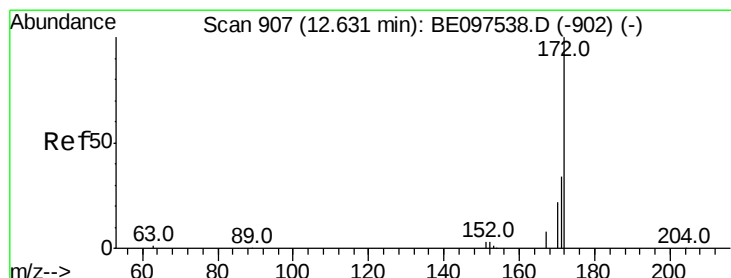
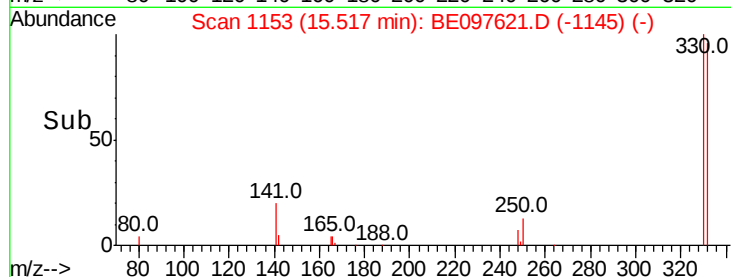
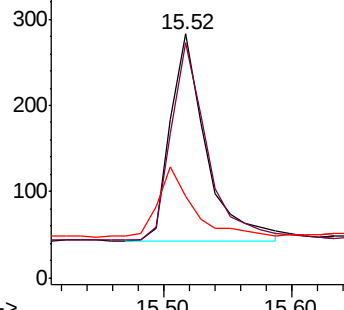
141 30.7 33.7 50.5#



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: 0.572 ng

RT: 12.64 min Scan# 908

Delta R.T. 0.02 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

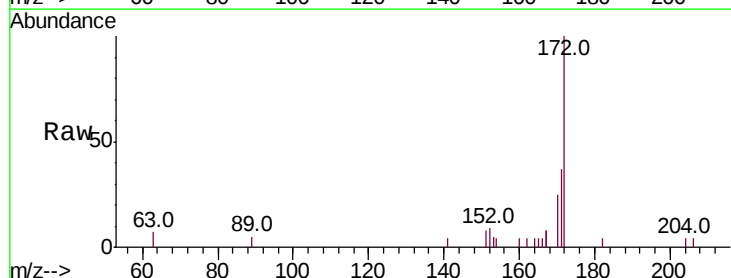
Tgt Ion:172 Resp: 3614

Ion Ratio Lower Upper

172 100

171 36.7 29.9 44.9

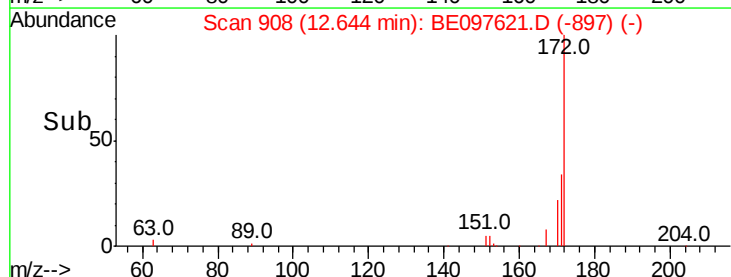
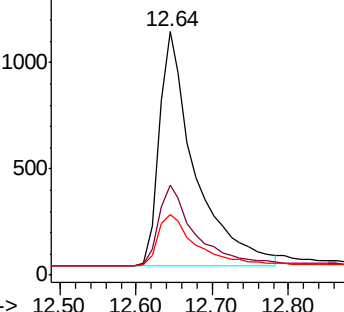
170 24.9 21.8 32.8

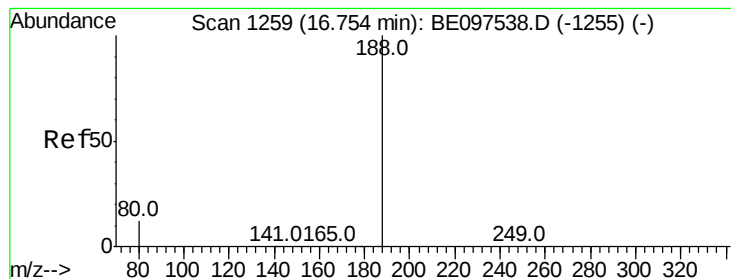


Abundance Ion 172.00 (171.70 to 172.70): E

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: 16.76 min Scan# 1260

Delta R.T. 0.01 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

Instrument :

BNA_E

ClientSampleId :

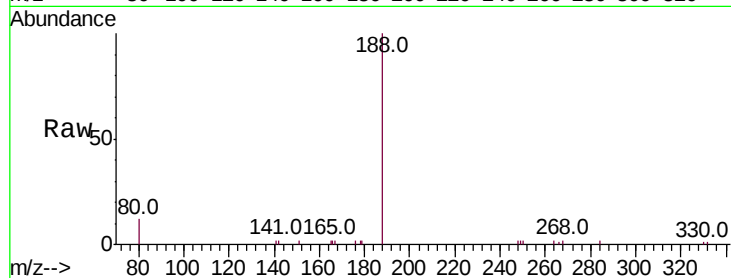
Tot Ion:188 Resp: 6134

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

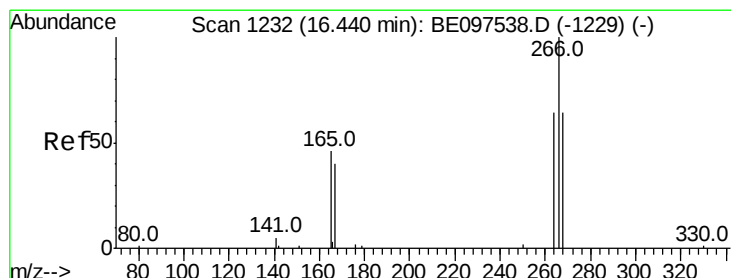
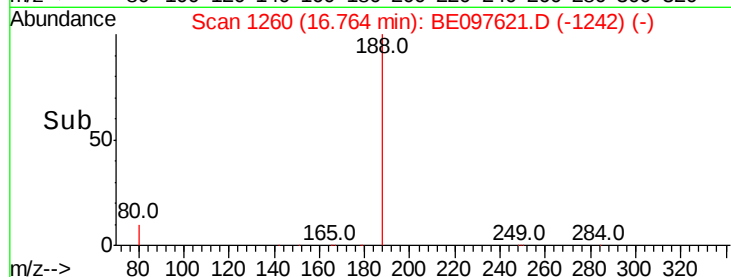
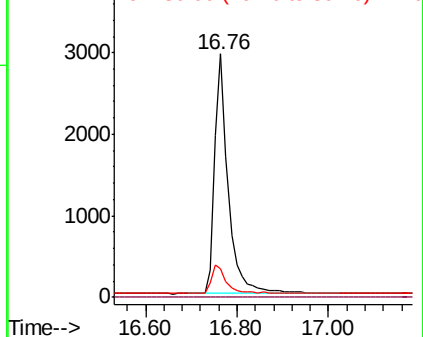
80 11.9 3.6 5.4#



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: 0.140 ng

RT: 16.48 min Scan# 1236

Delta R.T. 0.04 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

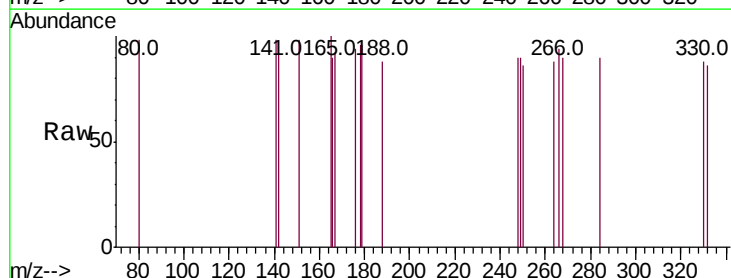
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

264 93.8 72.5 108.7

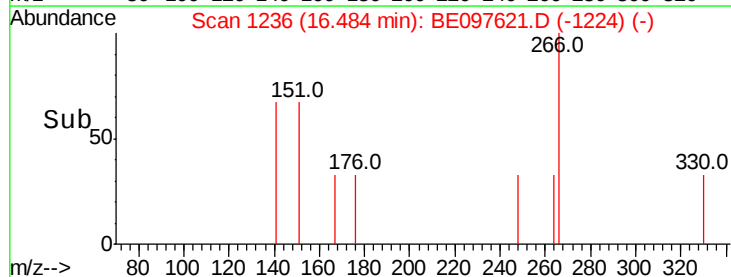
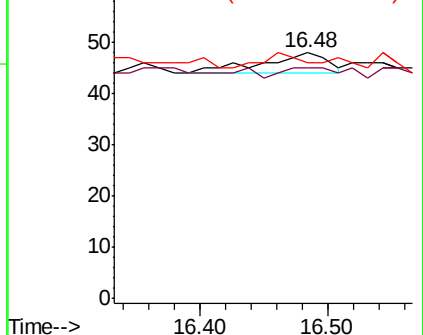
268 95.8 73.8 110.6

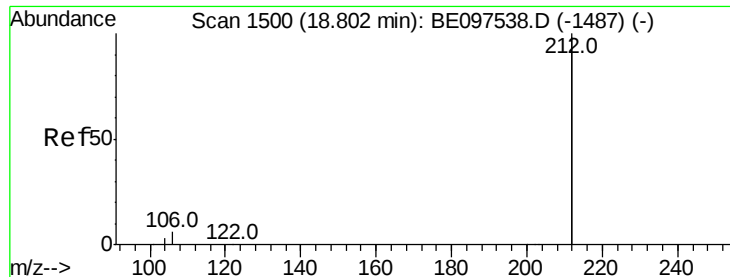


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.446 ng

RT: 18.80 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

Instrument :

BNA_E

ClientSampleId :

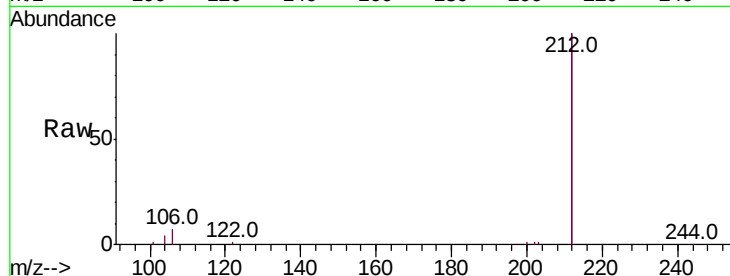
Tot Ion:212 Resp: 34996

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

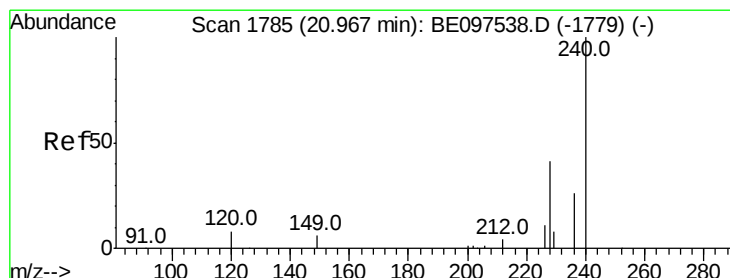
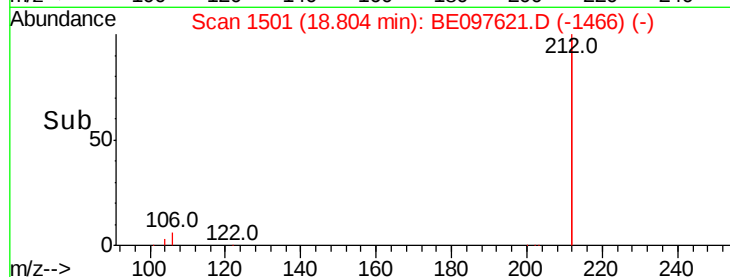
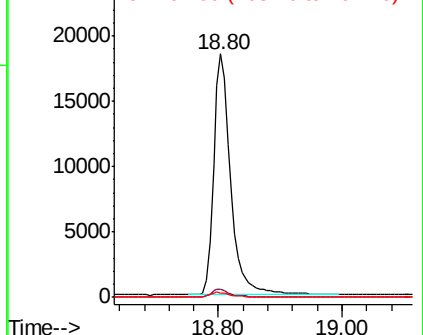
104 1.8 1.6 2.4



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# 1787

Delta R.T. 0.01 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

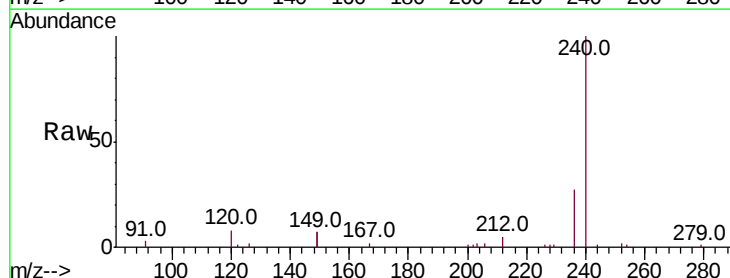
Tgt Ion:240 Resp: 7771

Ion Ratio Lower Upper

240 100

120 7.9 5.5 8.3

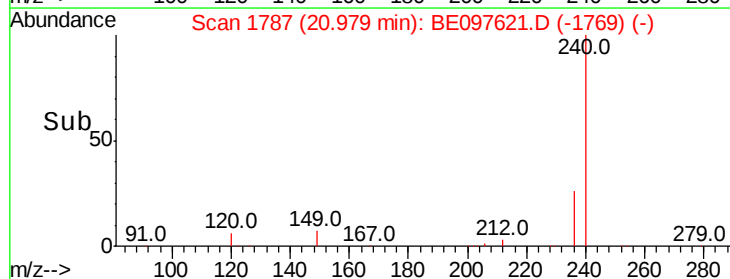
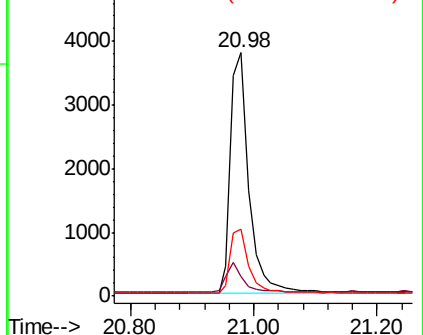
236 27.2 20.7 31.1

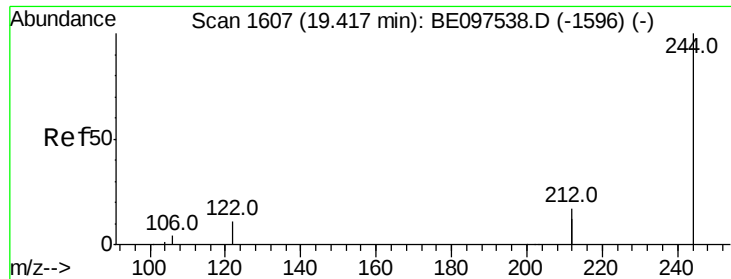


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.677 ng

RT: 19.41 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

Instrument :

BNA_E

ClientSampleId :

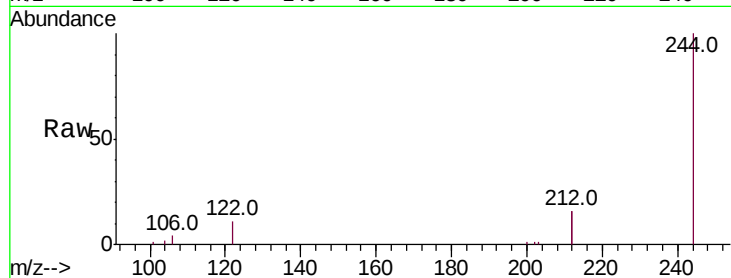
Tot Ion:244 Resp: 9631

Ion Ratio Lower Upper

244 100

212 31.6 25.4 38.0

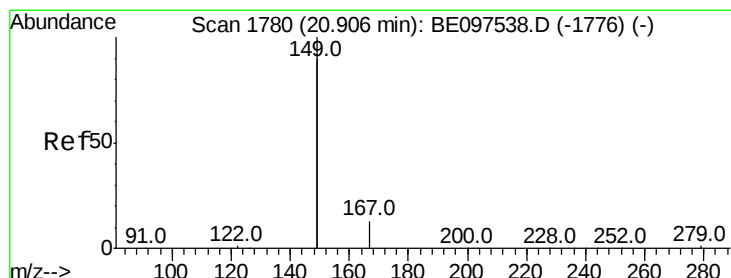
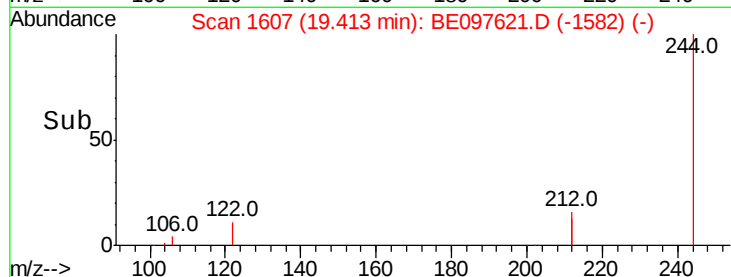
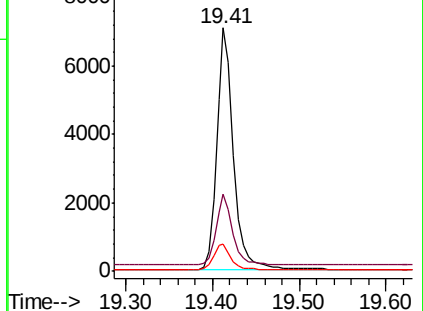
122 11.3 8.1 12.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.034 ng

RT: 20.89 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BE097621.D

Acq: 21 Sep 2018 20:58

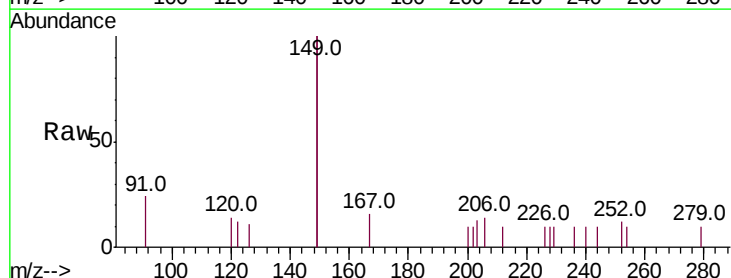
Tgt Ion:149 Resp: 785

Ion Ratio Lower Upper

149 100

167 6.2 5.4 8.0

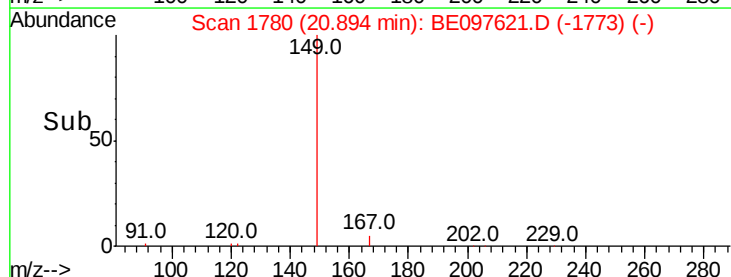
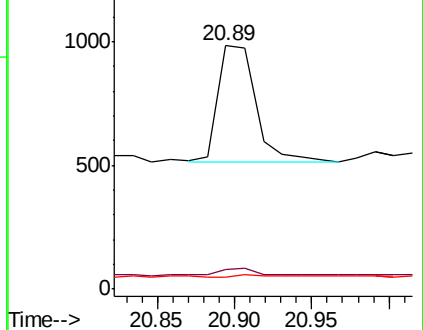
279 2.4 0.7 1.1#

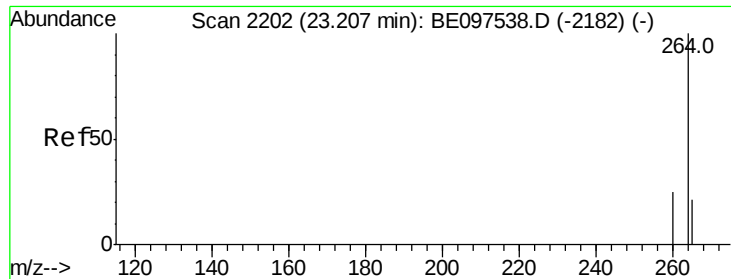


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

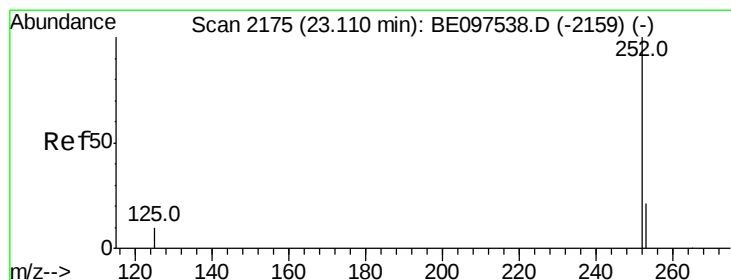
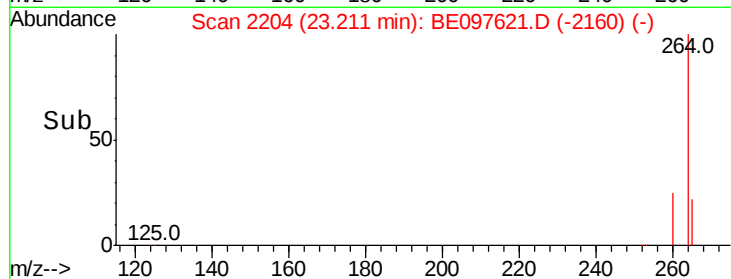
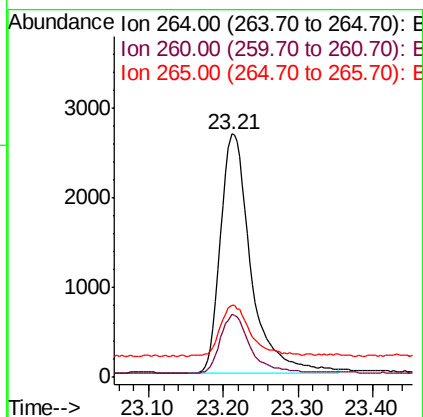
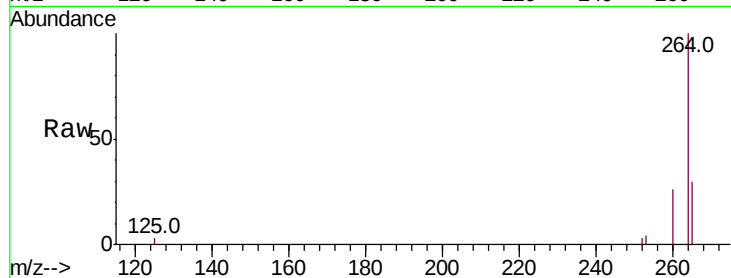




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BE097621.D
Acq: 21 Sep 2018 20:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 7508
Ion Ratio Lower Upper
264 100
260 26.1 20.5 30.7
265 29.8 22.8 34.2



#37
Benzo(a)pyrene
Concen: 0.021 ng
RT: 23.13 min Scan# 2182
Delta R.T. 0.03 min
Lab File: BE097621.D
Acq: 21 Sep 2018 20:58

Tgt Ion:252 Resp: 16
Ion Ratio Lower Upper
252 100
253 135.8 16.0 24.0#
125 188.9 12.0 18.0#

