

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097641.D
 Acq On : 22 Sep 2018 9:57
 Operator : SJ/JU
 Sample : J4913-11DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 24 02:30:33 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	578	0.40	ng	0.01
7) Naphthalene-d8	10.17	136	2801	0.40	ng	0.04
13) Acenaphthene-d10	14.02	164	2272	0.40	ng	0.01
19) Phenanthrene-d10	16.77	188	7273	0.40	ng	0.01
27) Chrysene-d12	20.98	240	7681	0.40	ng	0.01
34) Perylene-d12	23.21	264	7177	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	80	0.05	ng	0.01
5) Phenol-d6	6.62	99	1	0.00	ng	0.01
8) Nitrobenzene-d5	8.48	82	15	0.01	ng	-0.05
11) 2-Methylnaphthalene-d10	11.82	152	369	0.10	ng	0.10
14) 2,4,6-Tribromophenol	15.55	330	74	0.17	ng	0.03
15) 2-Fluorobiphenyl	12.68	172	732	0.09	ng	0.06
25) Fluoranthene-d10	18.82	212	7344	0.08	ng	0.01
29) Terphenyl-d14	19.42	244	1595	0.11	ng	0.00

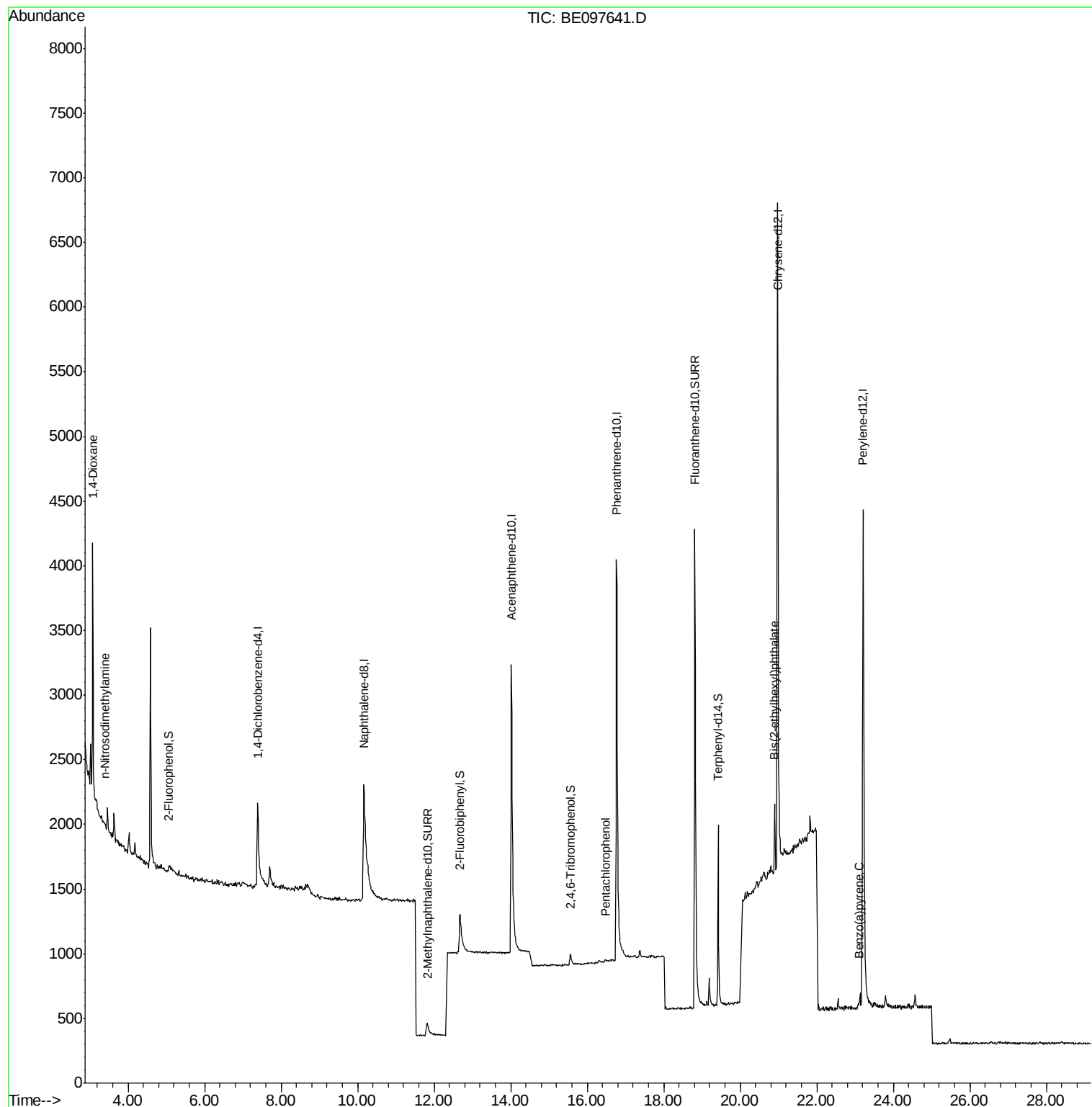
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.07	88	1151	1.255	ng	# 86
3) n-Nitrosodimethylamine	3.41	42	11	0.029	ng	# 7
22) Pentachlorophenol	16.47	266	15	0.139	ng	93
32) Bis(2-ethylhexyl)phthalate	20.89	149	742	0.033	ng	# 96
37) Benzo(a)pyrene	23.10	252	2	0.021	ng	# 1

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

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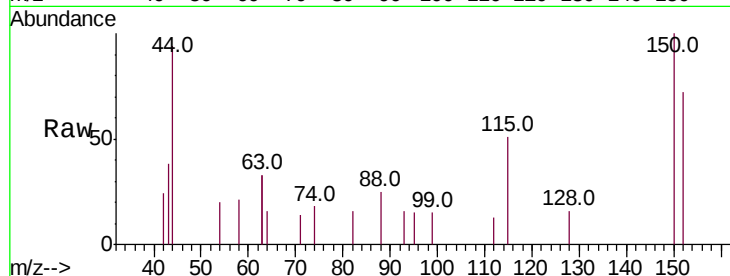


#1

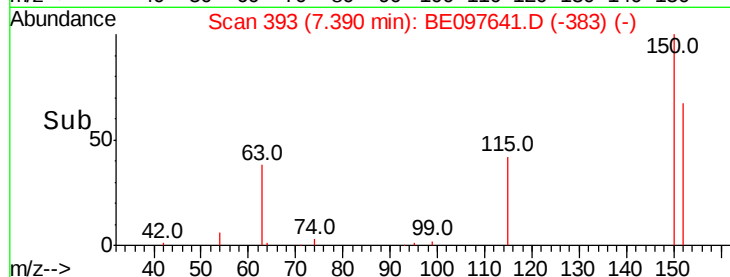
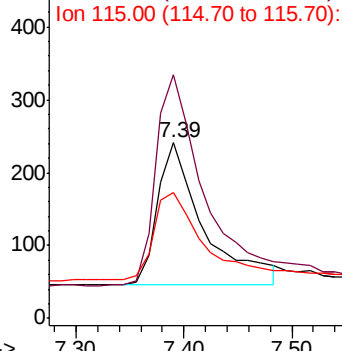
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.01 min
Lab File: BE097641.D
Acq: 22 Sep 2018 9:57

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 578
Ion Ratio Lower Upper
152 100
150 138.6 117.2 175.8
115 71.4 57.0 85.6



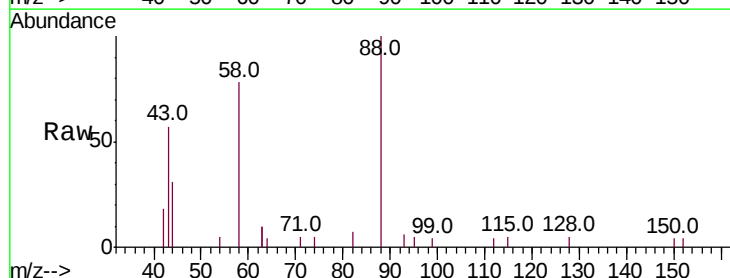
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



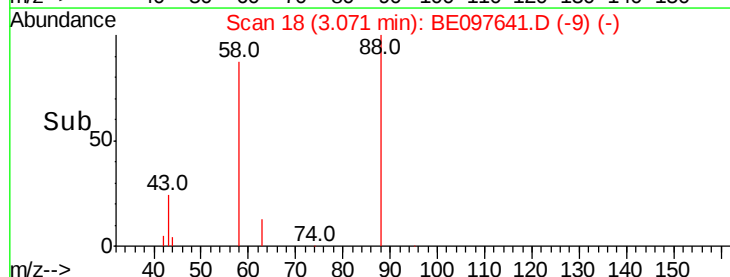
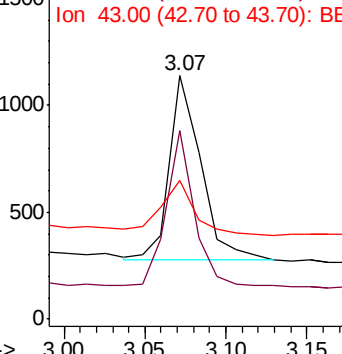
#2

1,4-Dioxane
Concen: 1.255 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.00 min
Lab File: BE097641.D
Acq: 22 Sep 2018 9:57

Tgt Ion: 88 Resp: 1151
Ion Ratio Lower Upper
88 100
58 73.6 63.2 94.8
43 33.3 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: 0.029 ng

RT: 3.41 min Scan# 47

Delta R.T. 0.03 min

Lab File: BE097641.D

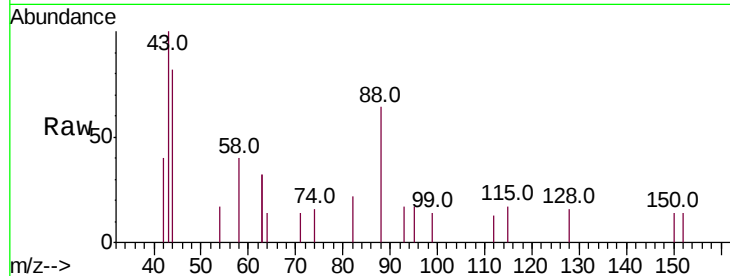
Acq: 22 Sep 2018 9:57

Instrument :

BNA_E

ClientSampleId :

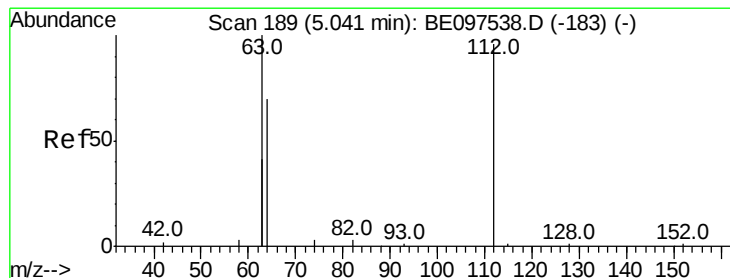
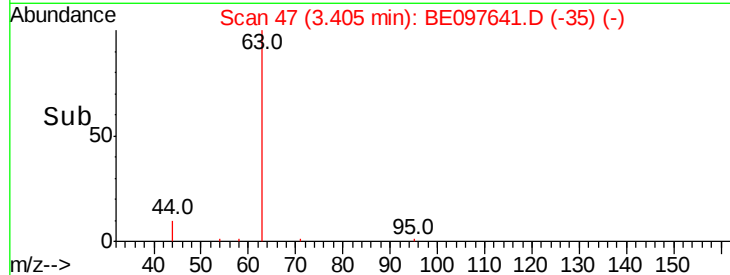
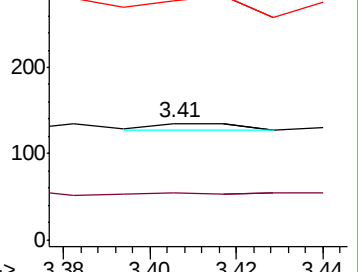
Tot Ion:	42	Resp:	11
Ion	Ratio	Lower	Upper
42	100		
74	9.1	96.0	144.0#
44	0.0	12.0	18.0#



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: 0.046 ng

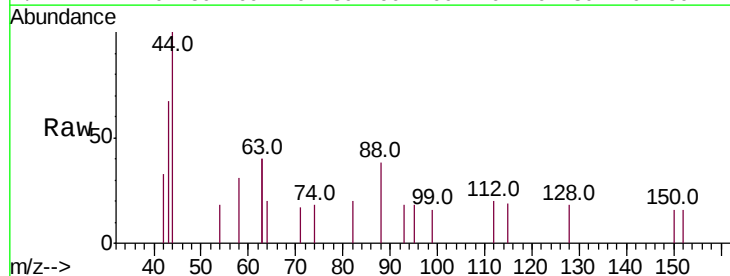
RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

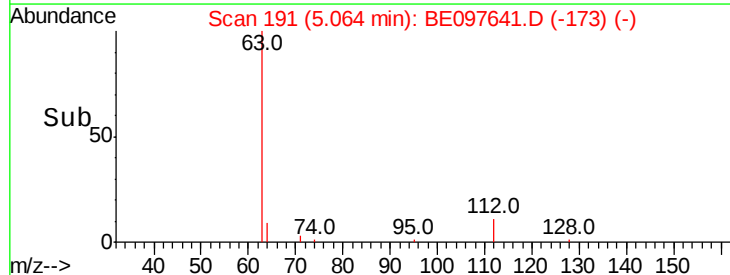
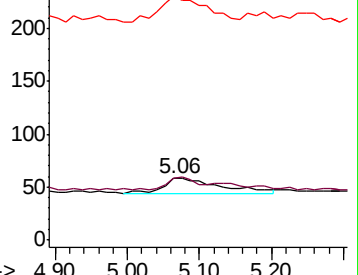
Tgt Ion:	112	Resp:	80
Ion	Ratio	Lower	Upper
112	100		
64	48.8	60.1	90.1#
63	135.0	116.8	175.2

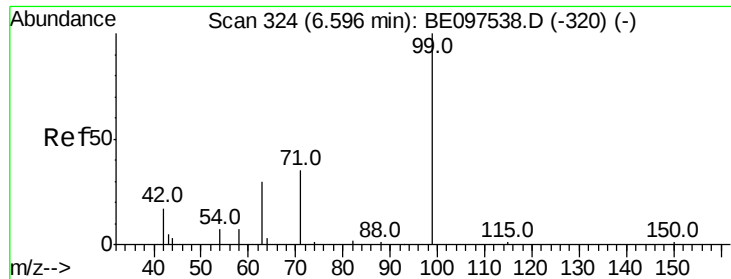


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.000 ng

RT: 6.62 min Scan# 326

Delta R.T. 0.01 min

Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

Instrument :

BNA_E

ClientSampleId :

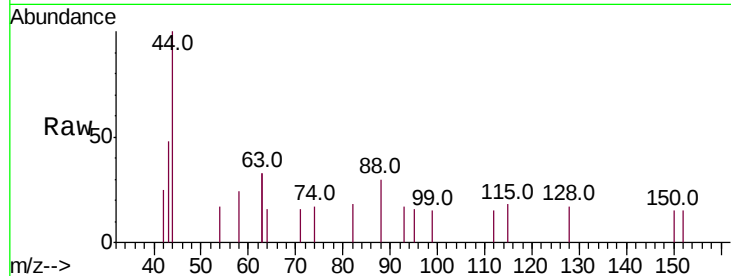
Tot Ion: 99 Resp: 1

Ion Ratio Lower Upper

99 100

42 1800.0 20.2 30.2#

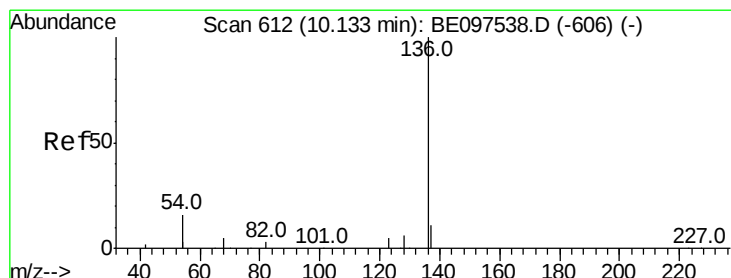
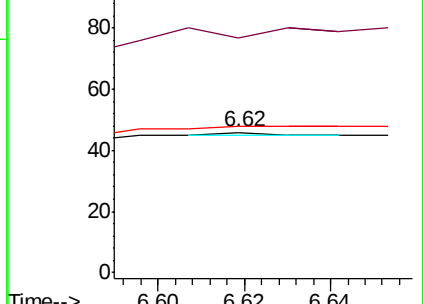
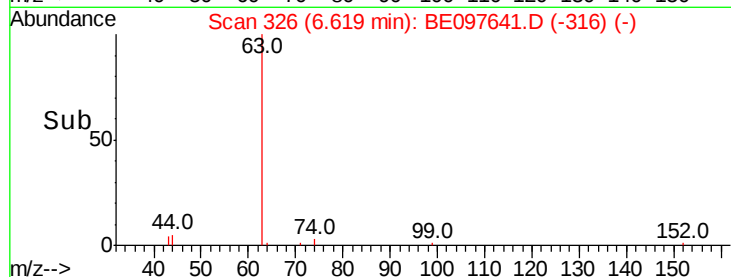
71 100.0 28.4 42.6#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.04 min

Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

Tgt Ion: 136 Resp: 2801

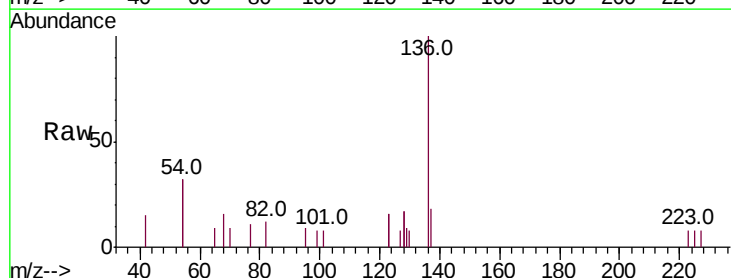
Ion Ratio Lower Upper

136 100

137 18.4 9.5 14.3#

54 64.9 29.1 43.7#

68 15.6 6.2 9.2#

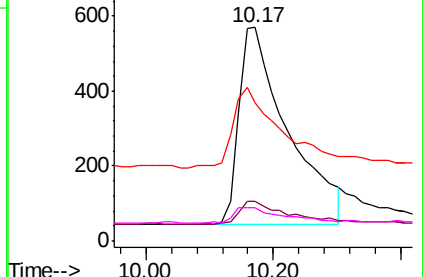
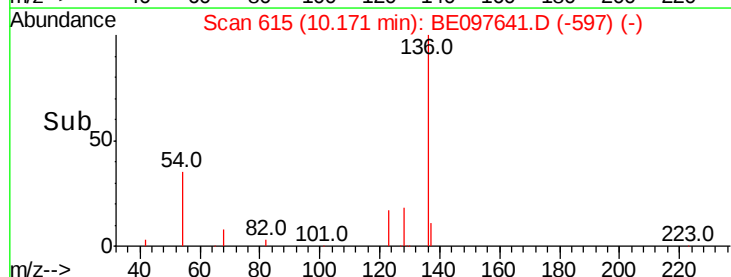


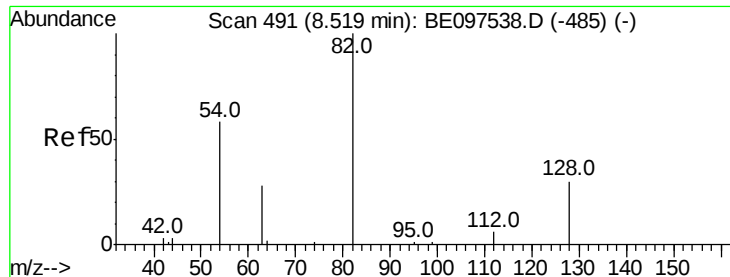
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.007 ng

RT: 8.48 min Scan# 488

Delta R.T. -0.05 min

Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

Instrument :

BNA_E

ClientSampleId :

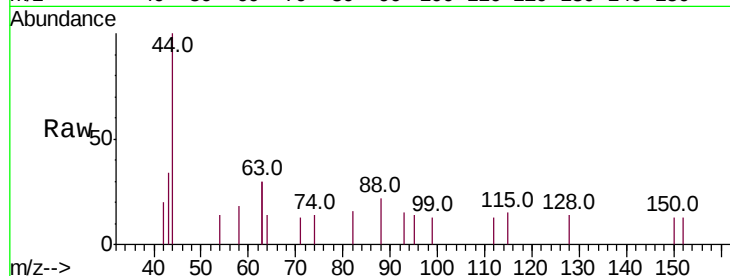
Tot Ion: 82 Resp: 15

Ion Ratio Lower Upper

82 100

128 89.1 24.0 36.0#

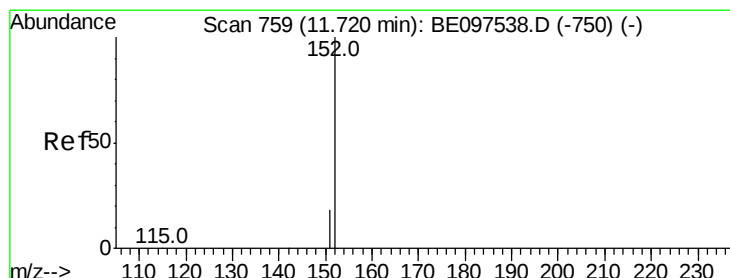
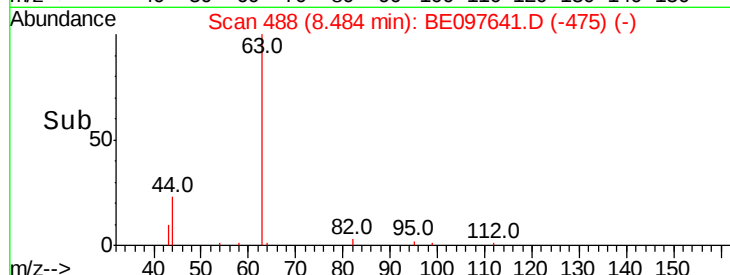
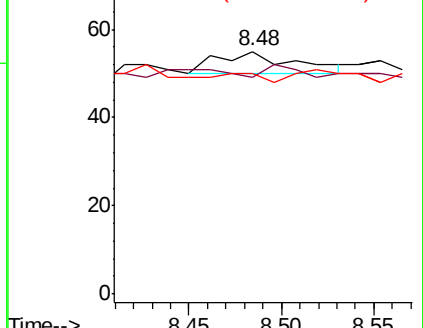
54 90.9 40.0 60.0#



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: 0.096 ng

RT: 11.82 min Scan# 780

Delta R.T. 0.10 min

Lab File: BE097641.D

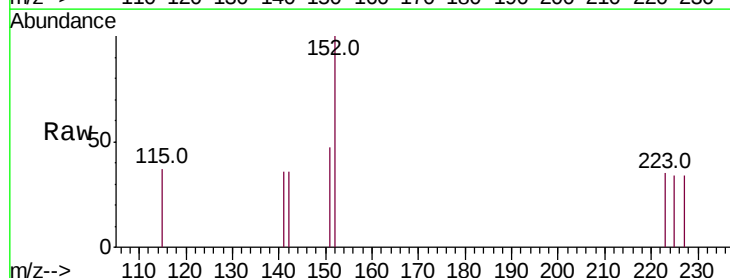
Acq: 22 Sep 2018 9:57

Tgt Ion: 152 Resp: 369

Ion Ratio Lower Upper

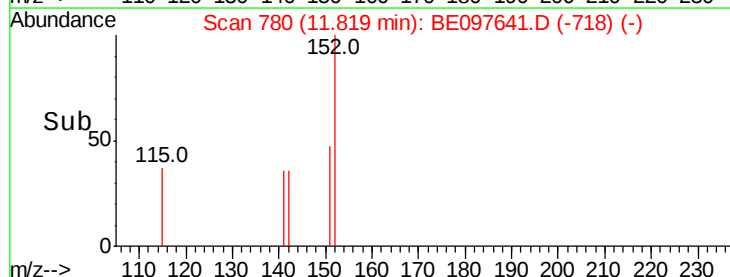
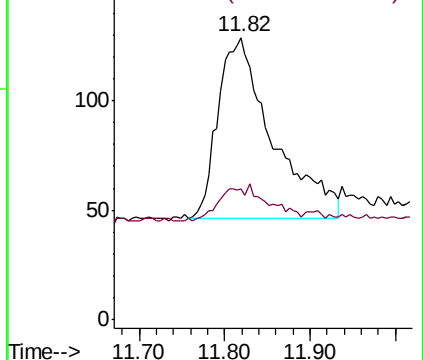
152 100

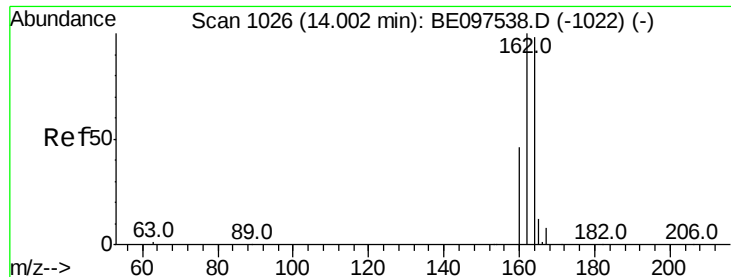
151 17.6 15.4 23.0



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: 14.02 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

Instrument :

BNA_E

ClientSampleId :

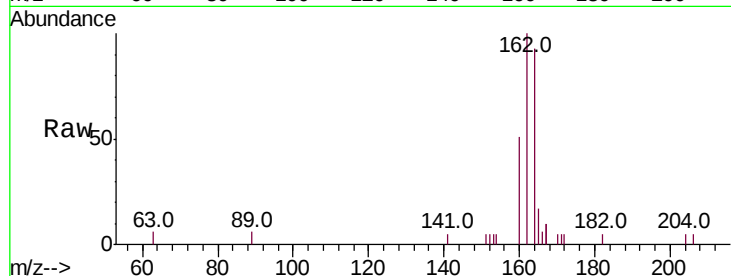
Tot Ion:164 Resp: 2272

Ion Ratio Lower Upper

164 100

162 108.1 83.1 124.7

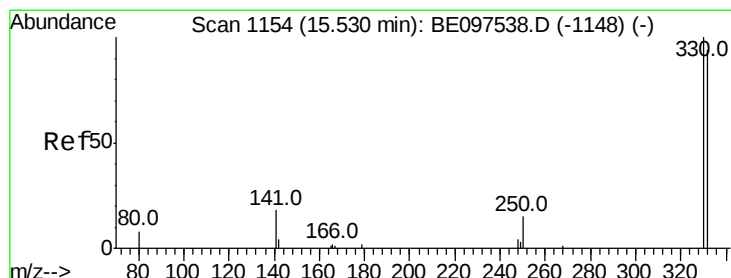
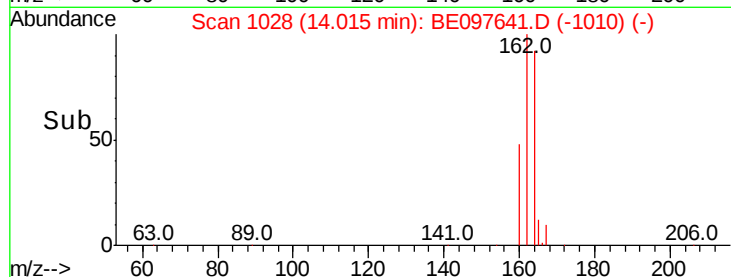
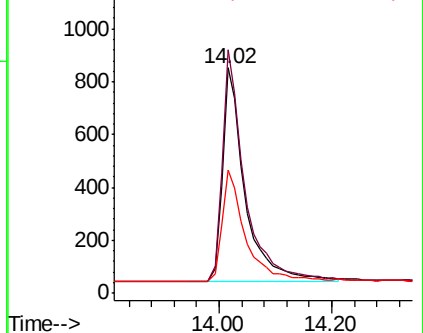
160 54.9 37.1 55.7



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

2,4,6-Tribromophenol

Concen: 0.167 ng

RT: 15.55 min Scan# 1157

Delta R.T. 0.03 min

Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

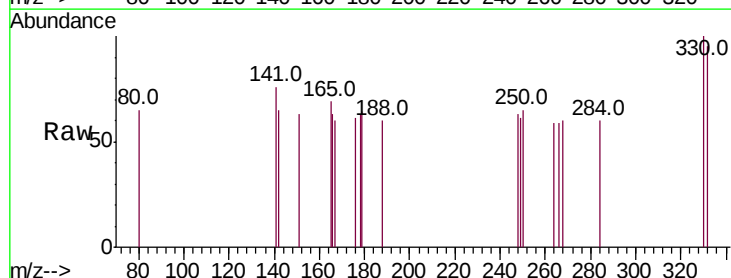
Tgt Ion:330 Resp: 74

Ion Ratio Lower Upper

330 100

332 85.1 152.7 229.1#

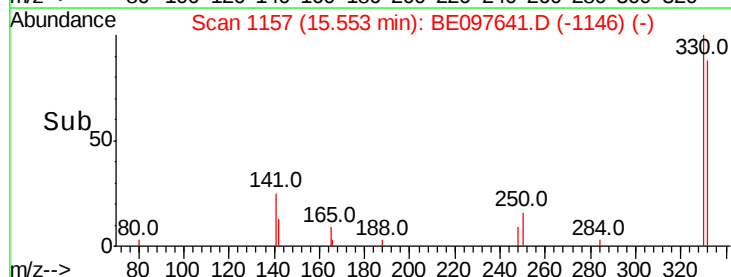
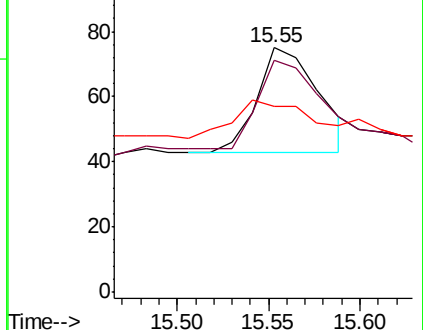
141 45.9 33.7 50.5

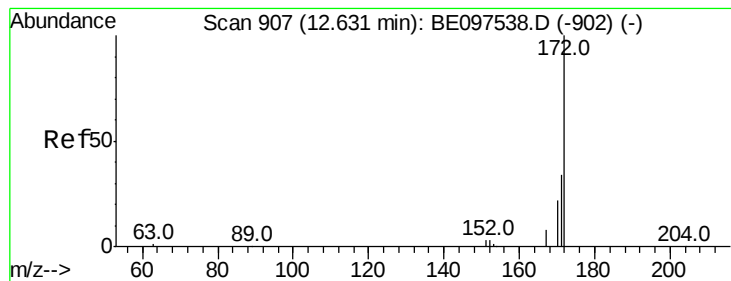


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.091 ng

RT: 12.68 min Scan# 912

Delta R.T. 0.06 min

Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

Instrument :

BNA_E

ClientSampleId :

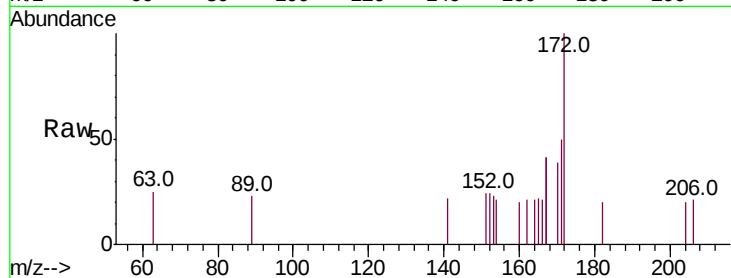
Tot Ion:172 Resp: 732

Ion Ratio Lower Upper

172 100

171 49.5 29.9 44.9#

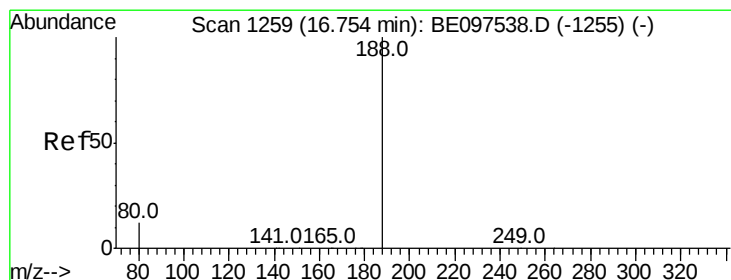
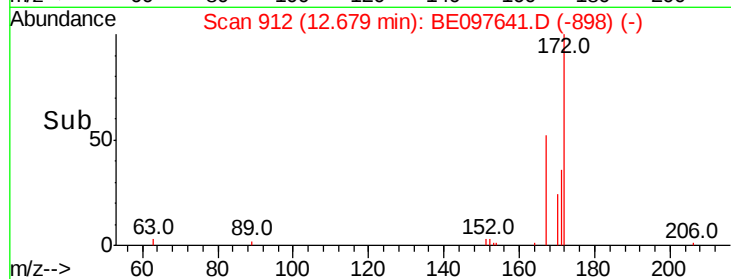
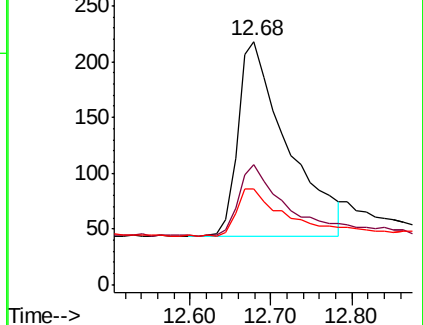
170 39.4 21.8 32.8#



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: 16.77 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

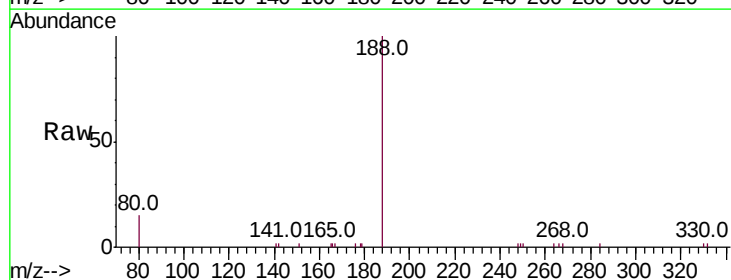
Tgt Ion:188 Resp: 7273

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

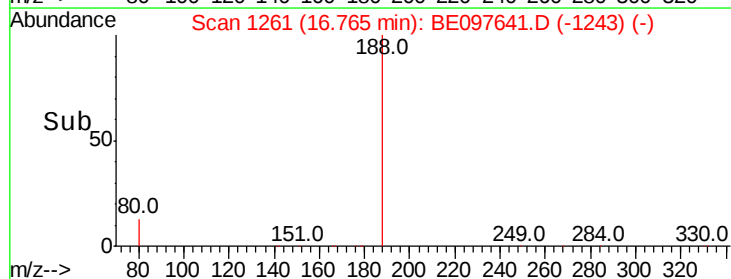
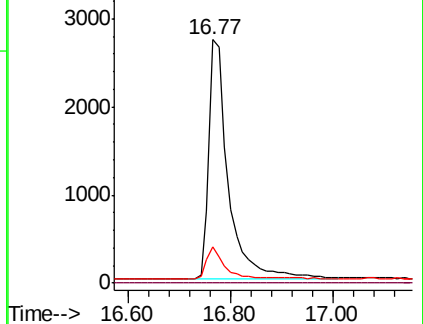
80 14.9 3.6 5.4#

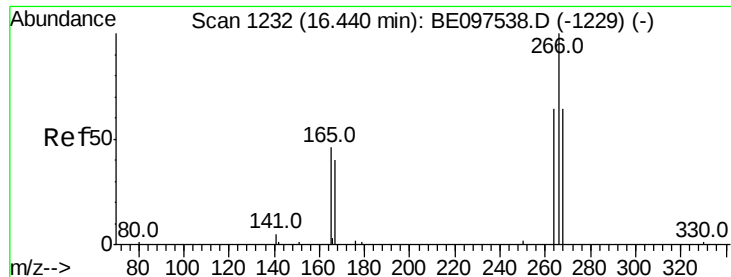


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

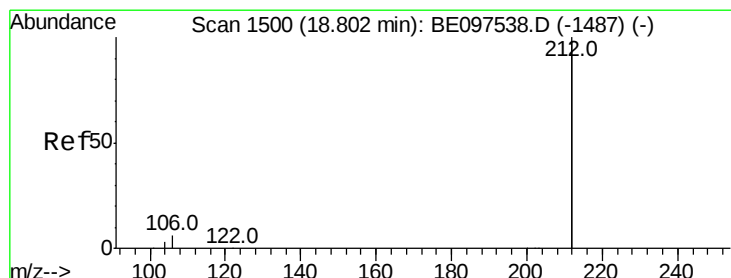
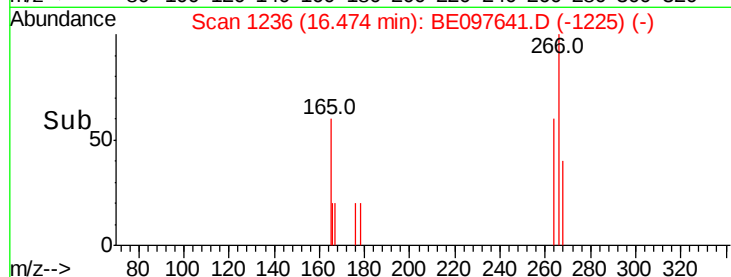
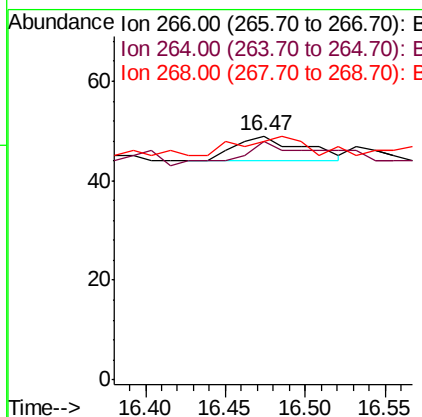
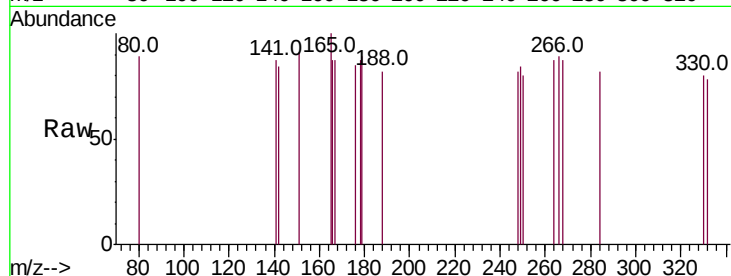




#22
 Pentachlorophenol
 Concen: 0.139 ng
 RT: 16.47 min Scan# 1236
 Delta R.T. 0.03 min
 Lab File: BE097641.D
 Acq: 22 Sep 2018 9:57

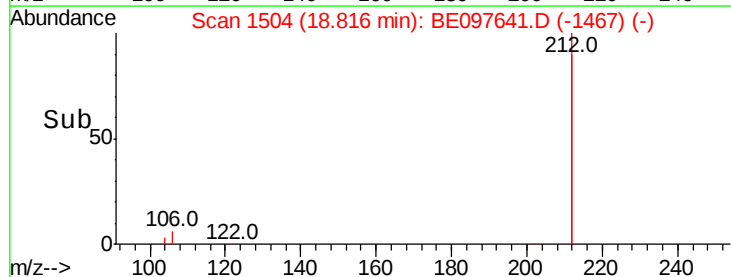
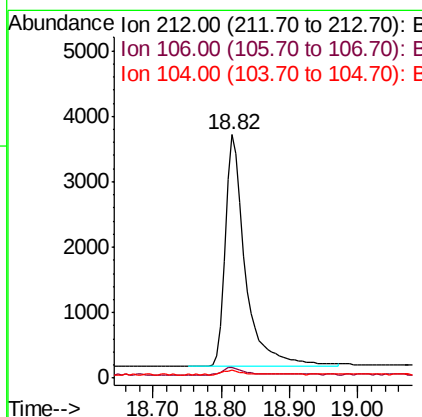
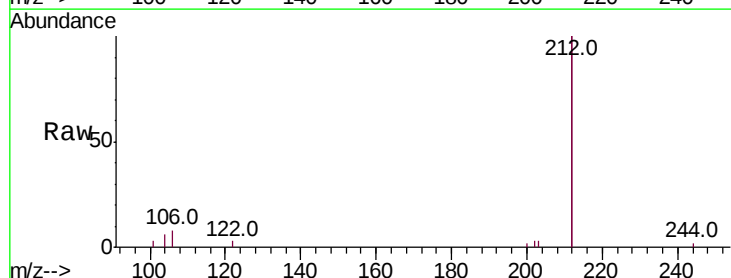
Instrument :
 BNA_E
 ClientSampleId :

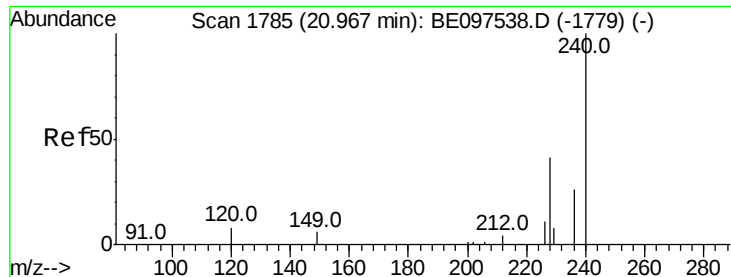
Tot Ion:266 Resp: 15
 Ion Ratio Lower Upper
 266 100
 264 98.0 72.5 108.7
 268 98.0 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.079 ng
 RT: 18.82 min Scan# 1504
 Delta R.T. 0.01 min
 Lab File: BE097641.D
 Acq: 22 Sep 2018 9:57

Tgt Ion:212 Resp: 7344
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.8 4.2
 104 2.0 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: BE097641.D

Acq: 22 Sep 2018 9:57

Instrument :

BNA_E

ClientSampleId :

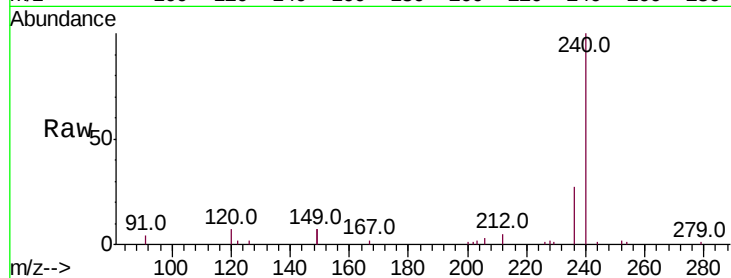
Tot Ion:240 Resp: 7681

Ion Ratio Lower Upper

240 100

120 7.3 5.5 8.3

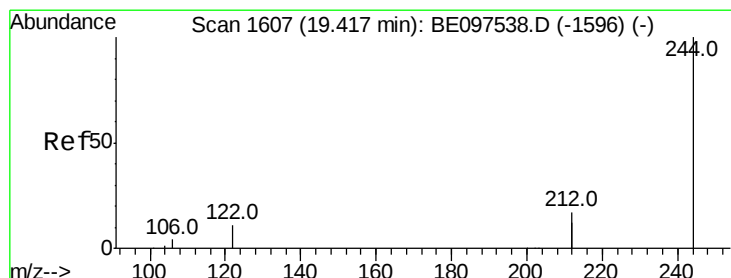
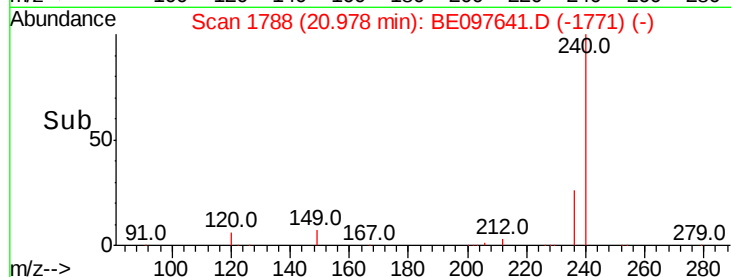
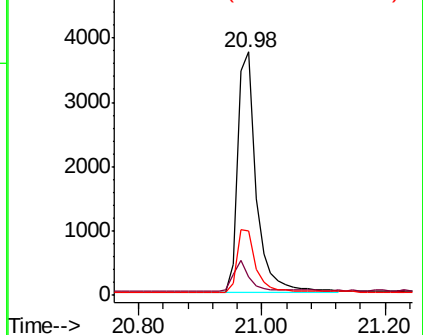
236 26.5 20.7 31.1



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: 0.113 ng

RT: 19.42 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

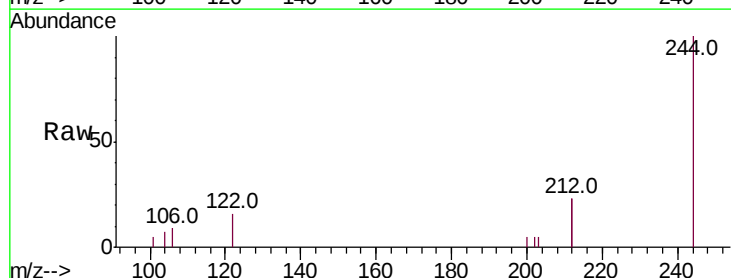
Tgt Ion:244 Resp: 1595

Ion Ratio Lower Upper

244 100

212 46.5 25.4 38.0#

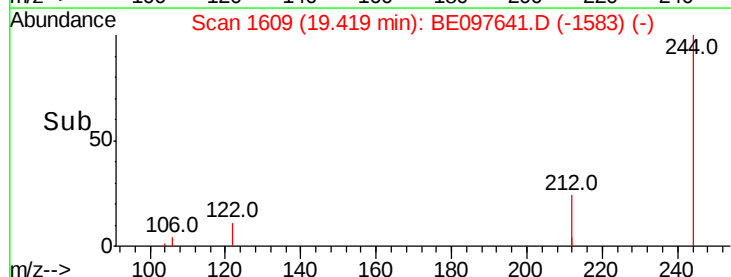
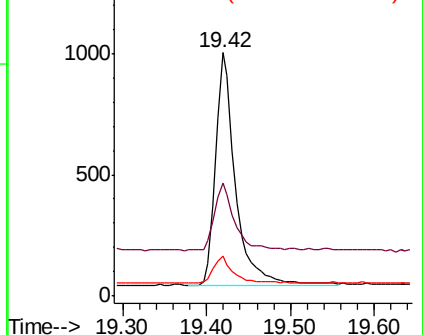
122 16.3 8.1 12.1#

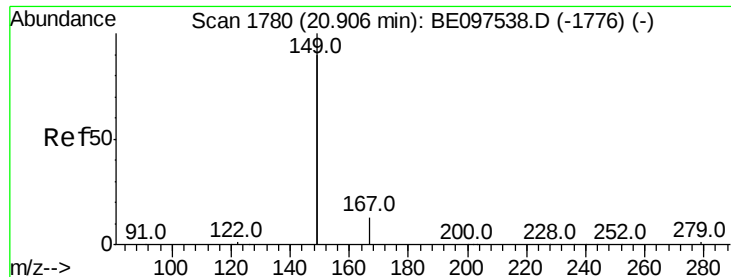


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.033 ng

RT: 20.89 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

Instrument :

BNA_E

ClientSampleId :

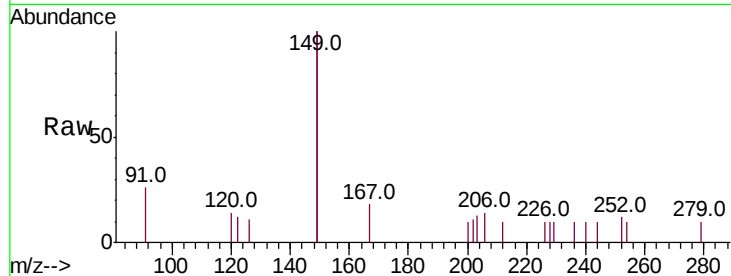
Tot Ion:149 Resp: 742

Ion Ratio Lower Upper

149 100

167 8.2 5.4 8.0#

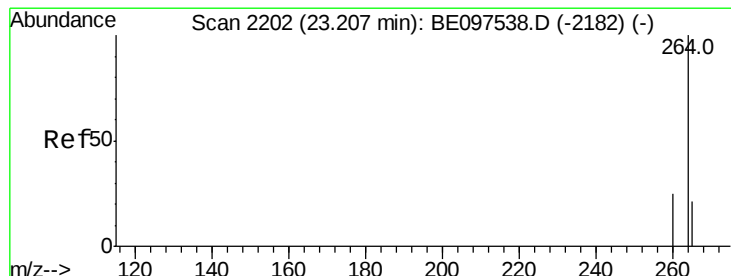
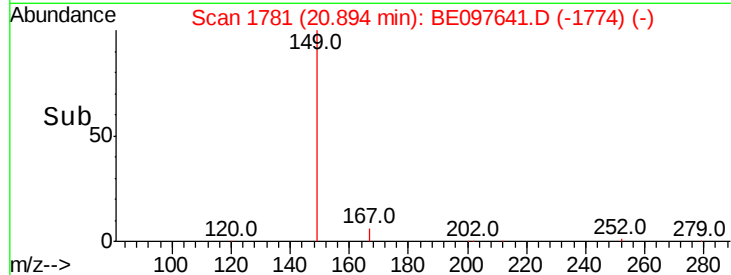
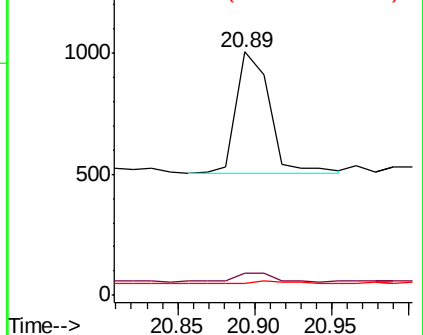
279 2.0 0.7 1.1#



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

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

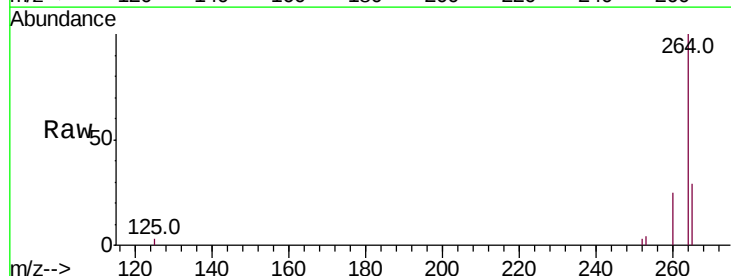
Tgt Ion:264 Resp: 7177

Ion Ratio Lower Upper

264 100

260 25.3 20.5 30.7

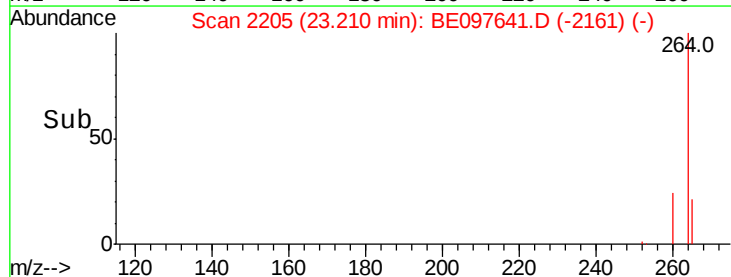
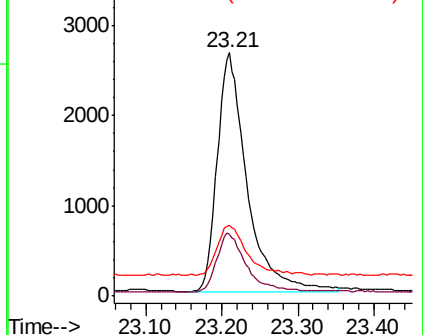
265 28.9 22.8 34.2

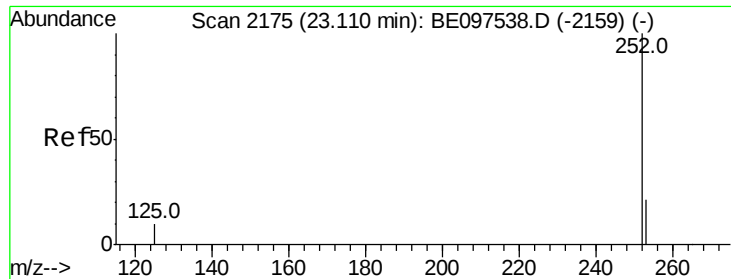


Abundance Ion 264.00 (263.70 to 264.70): E

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: 23.10 min Scan# 2173

Delta R.T. -0.01 min

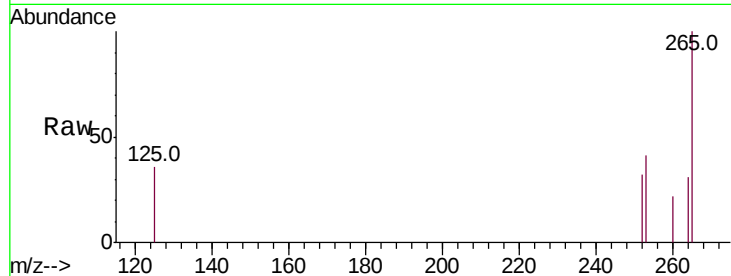
Lab File: BE097641.D

Acq: 22 Sep 2018 9:57

Instrument :

BNA_E

ClientSampleId :



Tot Ion:	252	Resp:	2
Ion	Ratio	Lower	Upper
252	100		
253	129.7	16.0	24.0#
125	113.5	12.0	18.0#

