

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097636.D
 Acq On : 22 Sep 2018 6:52
 Operator : SJ/JU
 Sample : J4980-11
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 24 02:29:49 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	635	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	2888	0.40	ng	0.03
13) Acenaphthene-d10	14.01	164	1868	0.40	ng	0.01
19) Phenanthrene-d10	16.76	188	6483	0.40	ng	0.00
27) Chrysene-d12	20.97	240	8171	0.40	ng	0.00
34) Perylene-d12	23.21	264	7718	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	290	0.15	ng	0.01
5) Phenol-d6	6.56	99	4	0.00	ng	-0.05
8) Nitrobenzene-d5	8.59	82	578	0.26	ng	0.06
11) 2-Methylnaphthalene-d10	11.75	152	1820	0.46	ng	0.03
14) 2,4,6-Tribromophenol	15.54	330	317	0.44	ng	0.02
15) 2-Fluorobiphenyl	12.63	172	3118	0.47	ng	0.01
25) Fluoranthene-d10	18.80	212	35711	0.43	ng	0.00
29) Terphenyl-d14	19.41	244	10169	0.68	ng	0.00

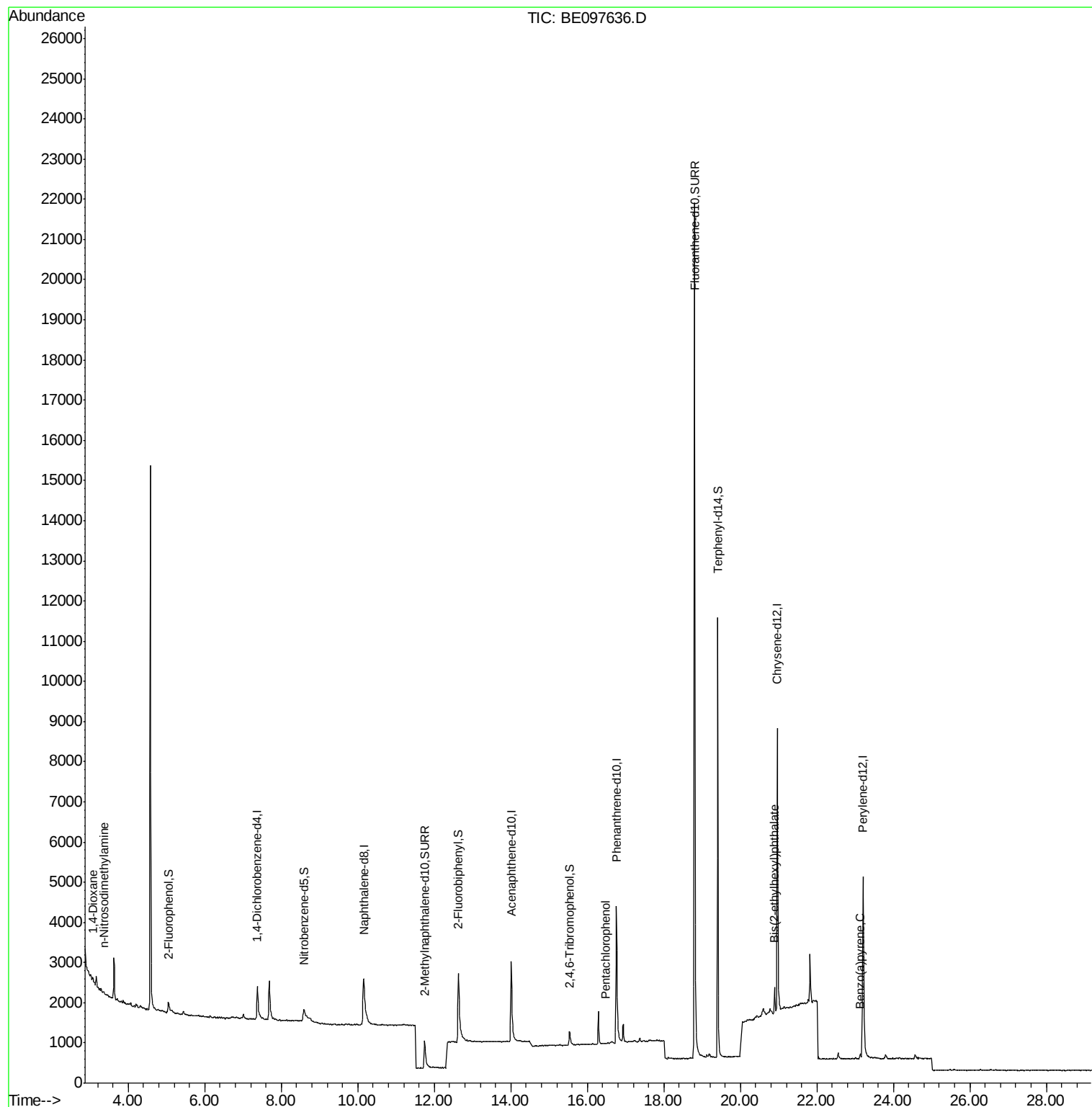
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.08	88	65	0.021	ng	# 1
3) n-Nitrosodimethylamine	3.36	42	24	0.041	ng	# 1
22) Pentachlorophenol	16.47	266	6	0.134	ng	94
32) Bis(2-ethylhexyl)phthalate	20.89	149	931	0.037	ng	# 97
37) Benzo(a)pyrene	23.12	252	53	0.023	ng	# 1

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

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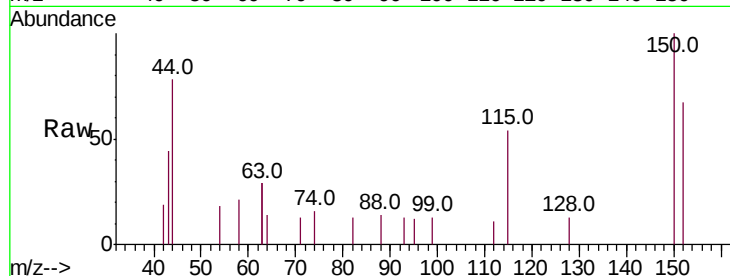


#1

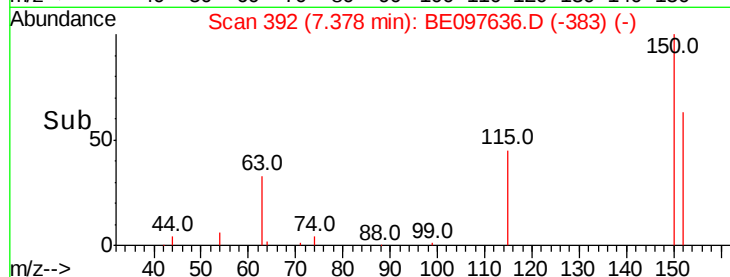
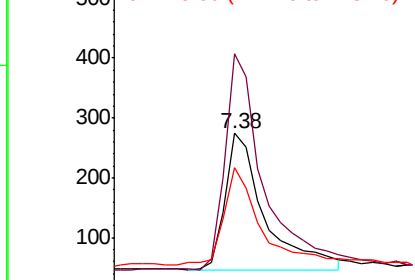
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097636.D
Acq: 22 Sep 2018 6:52

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 635
Ion Ratio Lower Upper
152 100
150 148.5 117.2 175.8
115 79.6 57.0 85.6



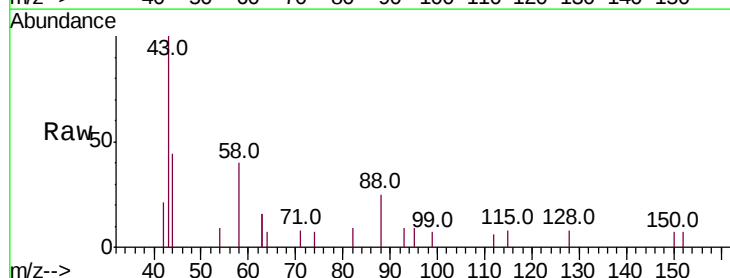
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



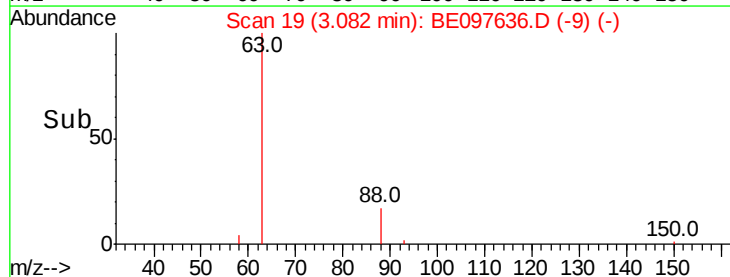
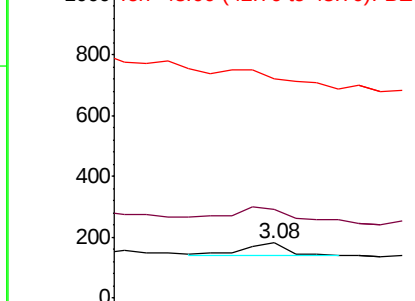
#2

1,4-Dioxane
Concen: 0.021 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097636.D
Acq: 22 Sep 2018 6:52

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
58 198.5 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: 0.041 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.01 min

Lab File: BE097636.D

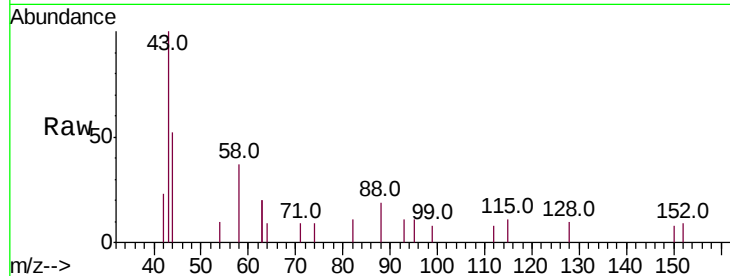
Acq: 22 Sep 2018 6:52

Instrument :

BNA_E

ClientSampleId :

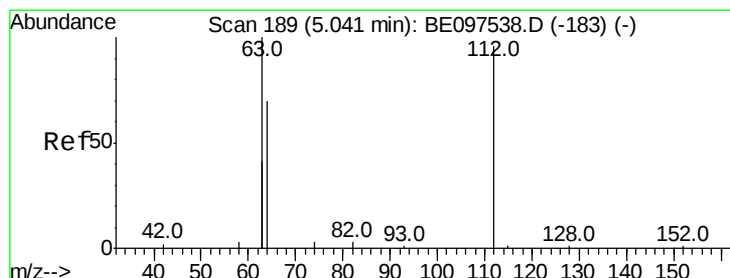
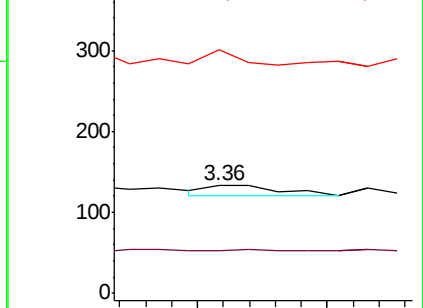
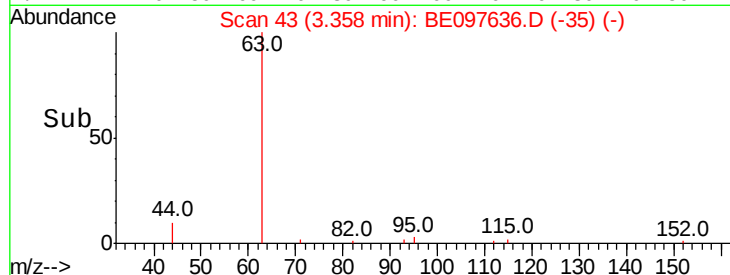
Tot Ion:	42	Resp:	24
Ion	Ratio	Lower	Upper
42	100		
74	12.5	96.0	144.0#
44	62.5	12.0	18.0#



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: 0.152 ng

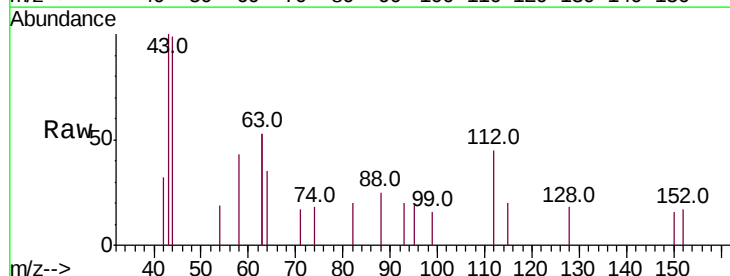
RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

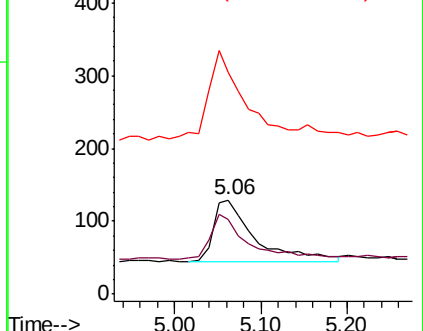
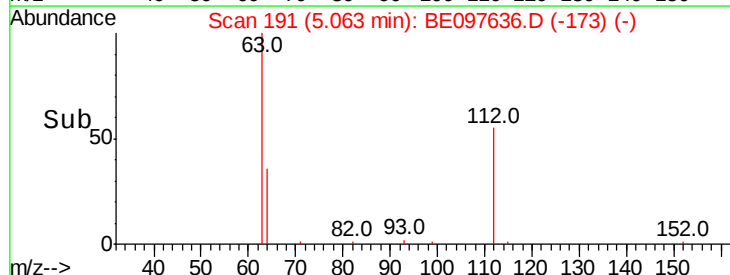
Tgt Ion:	112	Resp:	290
Ion	Ratio	Lower	Upper
112	100		
64	64.5	60.1	90.1
63	120.7	116.8	175.2



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: 0.002 ng

RT: 6.56 min Scan# 321

Delta R.T. -0.05 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

Instrument :

BNA_E

ClientSampleId :

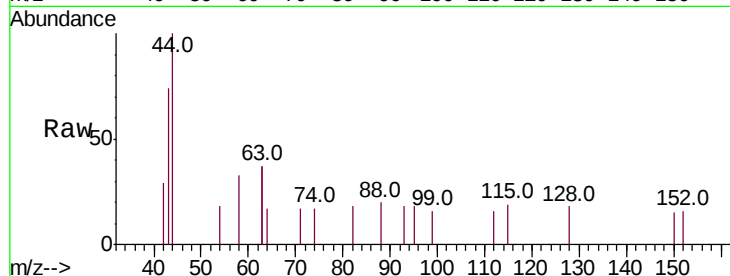
Tot Ion: 99 Resp: 4

Ion Ratio Lower Upper

99 100

42 250.0 20.2 30.2#

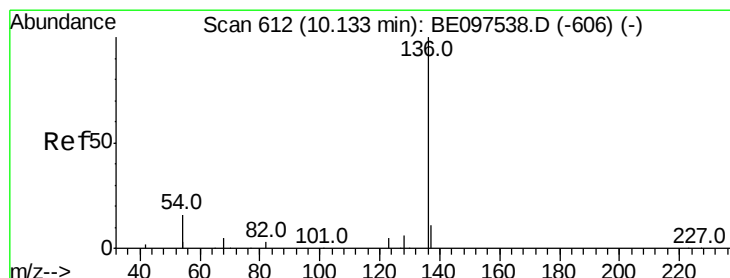
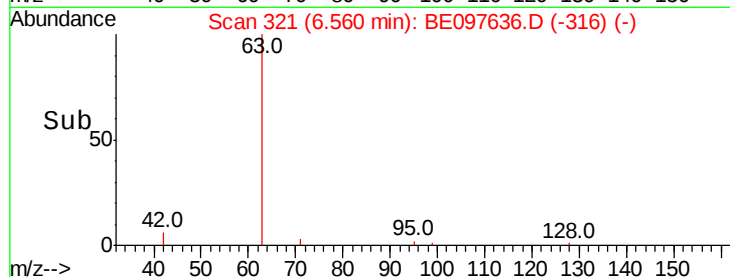
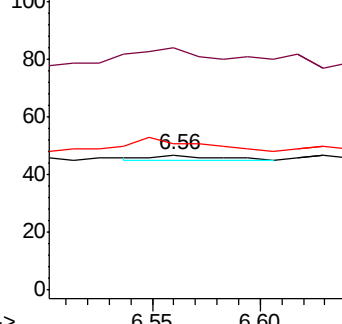
71 275.0 28.4 42.6#



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: 10.16 min Scan# 614

Delta R.T. 0.03 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

Tgt Ion: 136 Resp: 2888

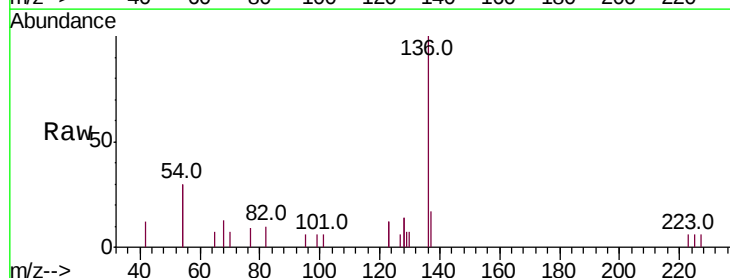
Ion Ratio Lower Upper

136 100

137 16.6 9.5 14.3#

54 59.6 29.1 43.7#

68 12.8 6.2 9.2#

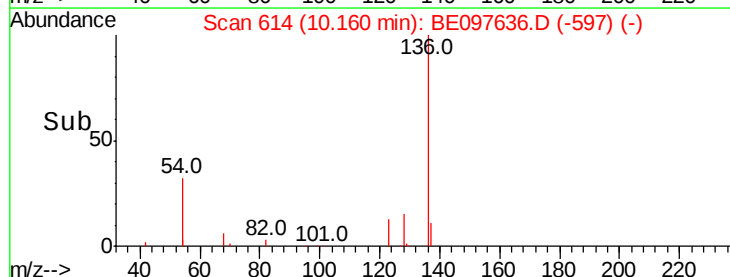
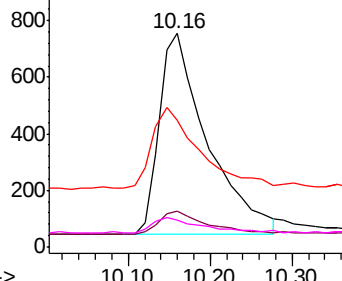


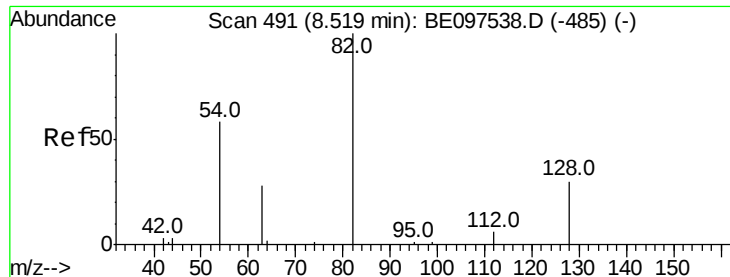
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.259 ng

RT: 8.59 min Scan# 497

Delta R.T. 0.06 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

Instrument :

BNA_E

ClientSampleId :

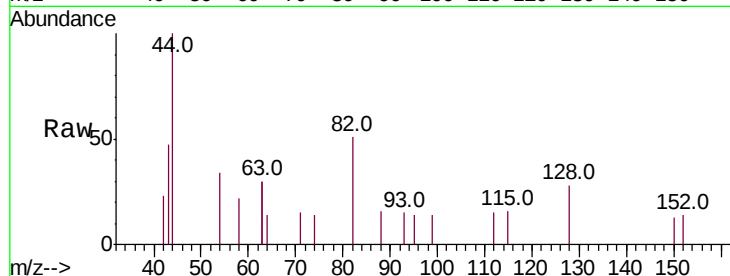
Tot Ion: 82 Resp: 578

Ion Ratio Lower Upper

82 100

128 54.9 24.0 36.0#

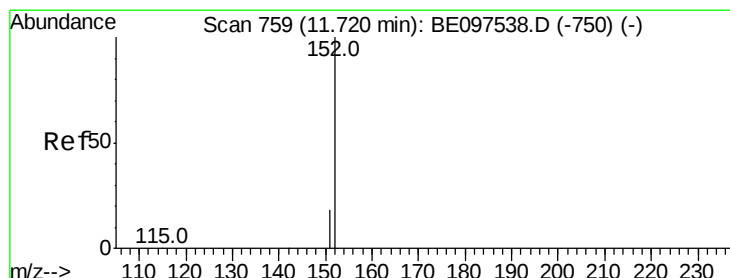
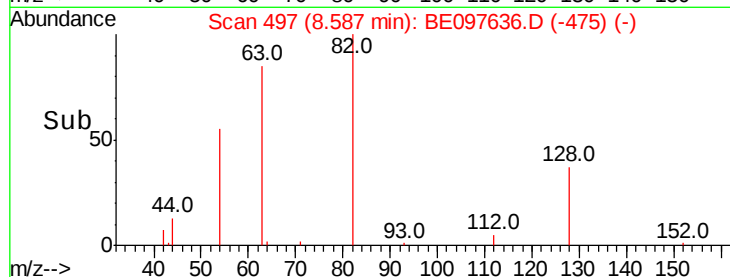
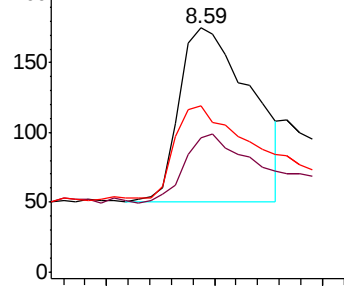
54 68.0 40.0 60.0#



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: 0.457 ng

RT: 11.75 min Scan# 765

Delta R.T. 0.03 min

Lab File: BE097636.D

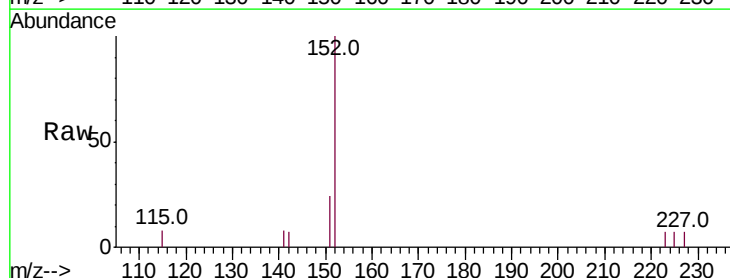
Acq: 22 Sep 2018 6:52

Tgt Ion: 152 Resp: 1820

Ion Ratio Lower Upper

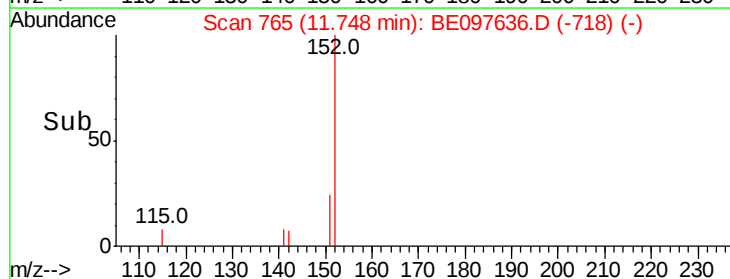
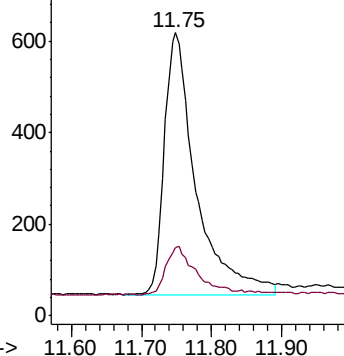
152 100

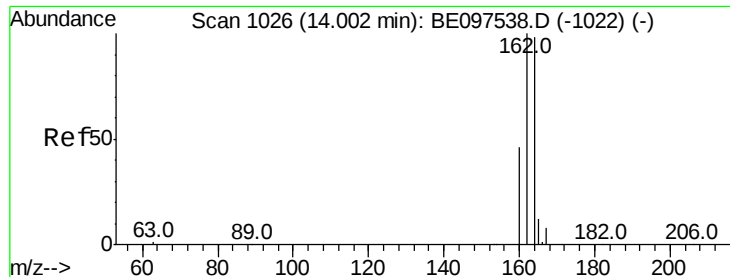
151 17.7 15.4 23.0



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: 14.01 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

Instrument :

BNA_E

ClientSampleId :

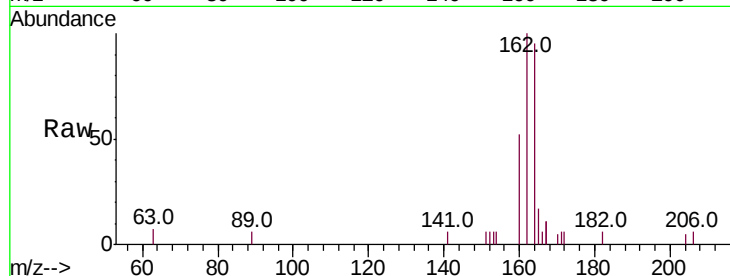
Tot Ion:164 Resp: 1868

Ion Ratio Lower Upper

164 100

162 105.7 83.1 124.7

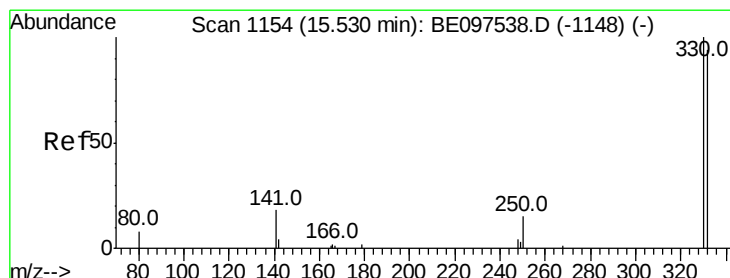
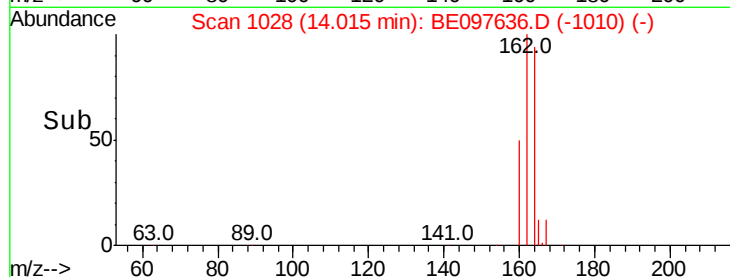
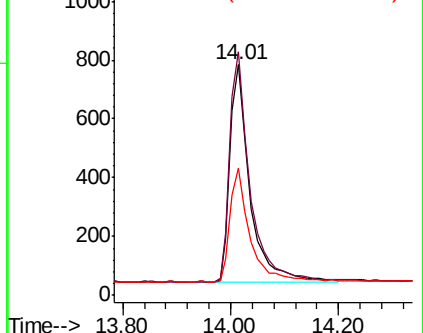
160 55.3 37.1 55.7



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: 0.440 ng

RT: 15.54 min Scan# 1156

Delta R.T. 0.02 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

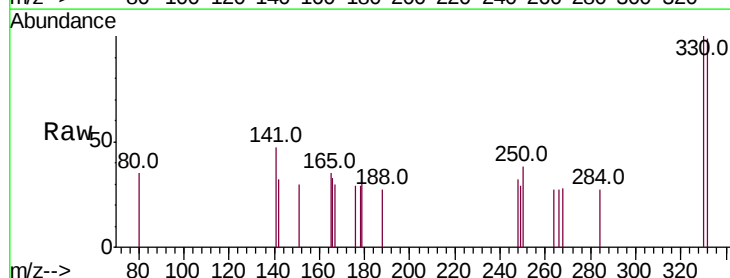
Tgt Ion:330 Resp: 317

Ion Ratio Lower Upper

330 100

332 94.0 152.7 229.1#

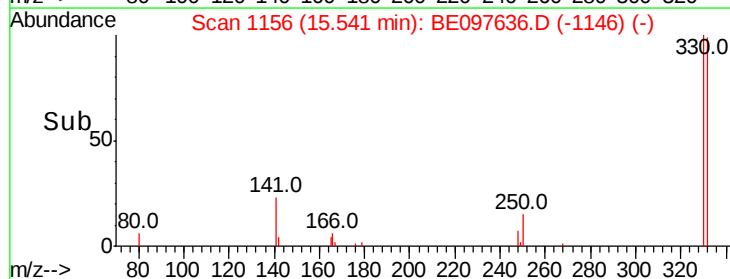
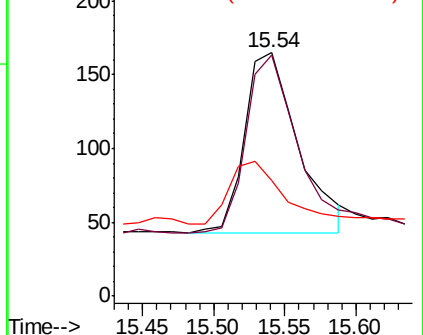
141 35.3 33.7 50.5

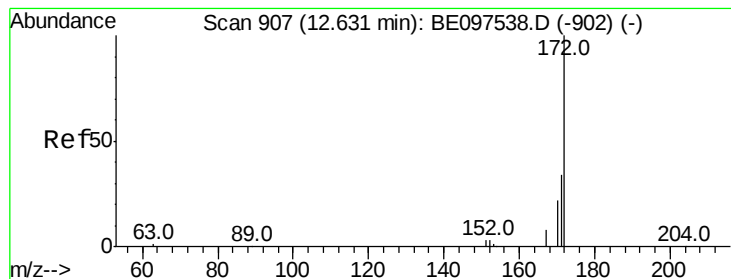


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.472 ng

RT: 12.63 min Scan# 908

Delta R.T. 0.01 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

Instrument :

BNA_E

ClientSampleId :

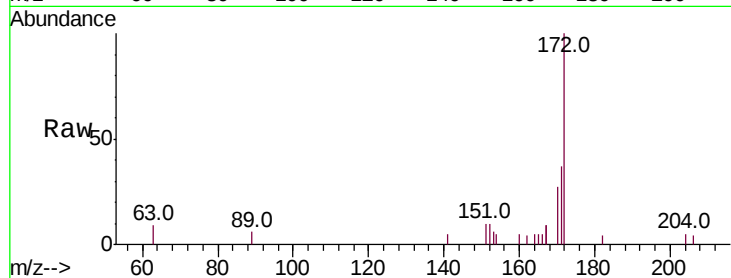
Tot Ion:172 Resp: 3118

Ion Ratio Lower Upper

172 100

171 36.8 29.9 44.9

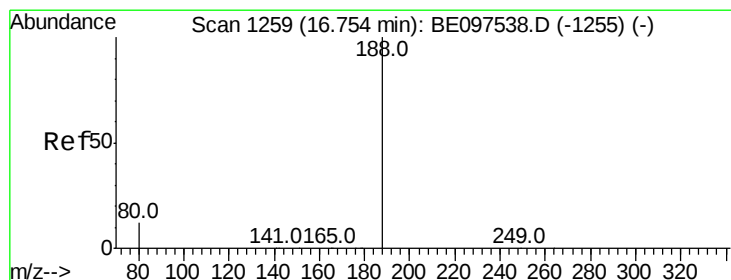
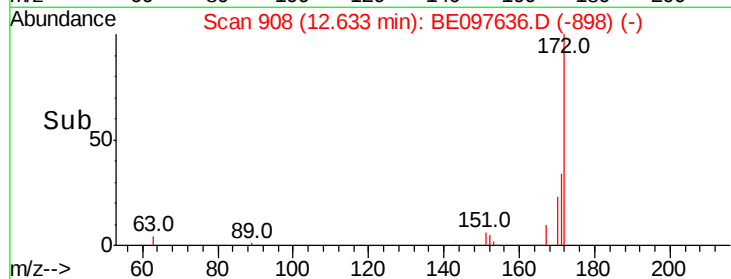
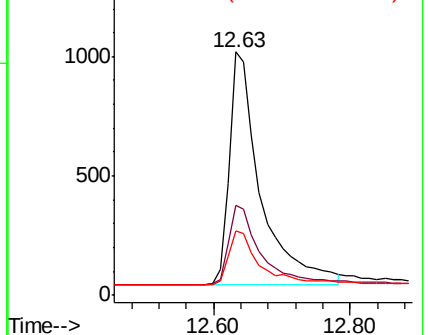
170 26.7 21.8 32.8



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# 1261

Delta R.T. 0.01 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

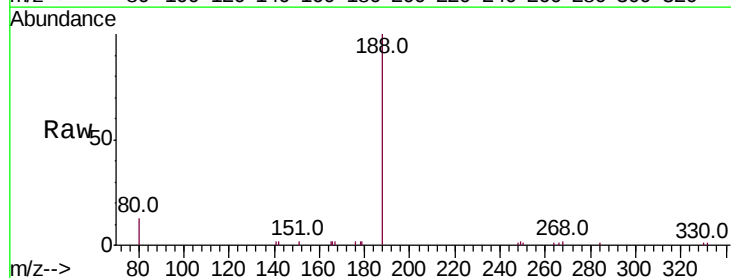
Tgt Ion:188 Resp: 6483

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

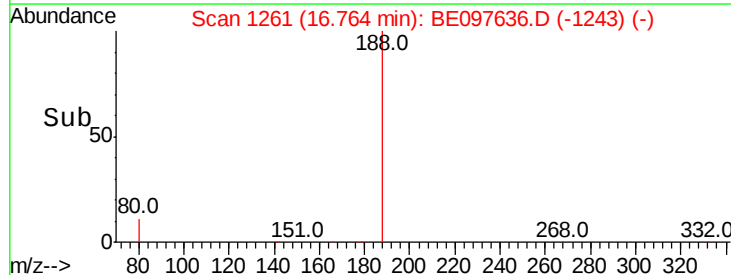
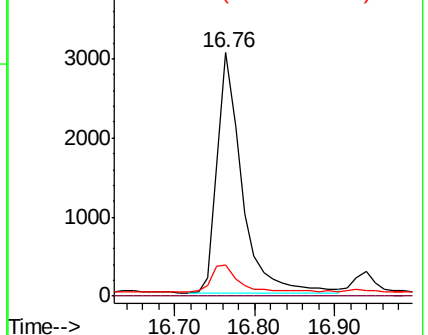
80 12.9 3.6 5.4#

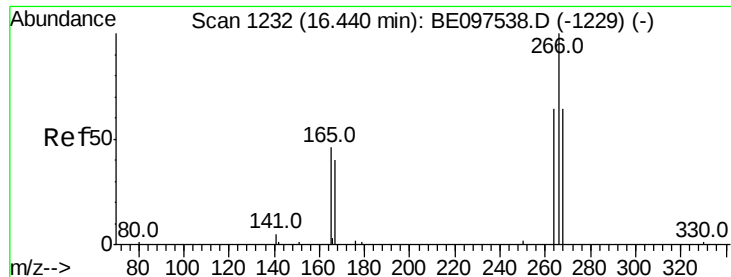


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



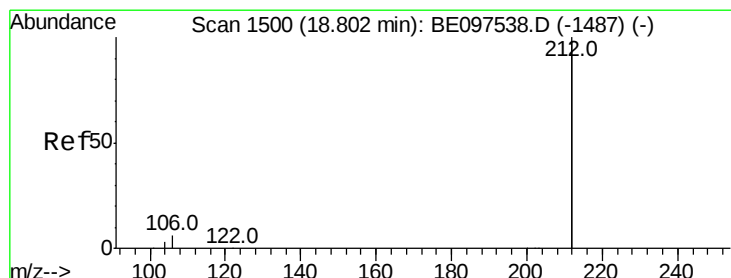
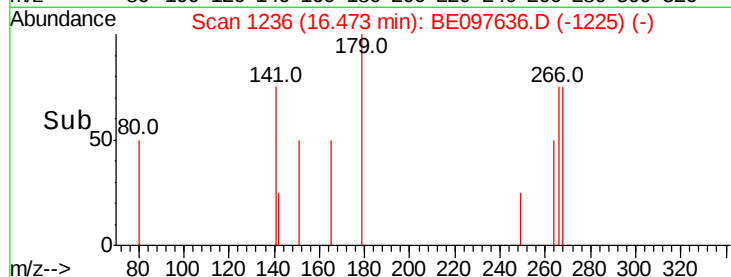
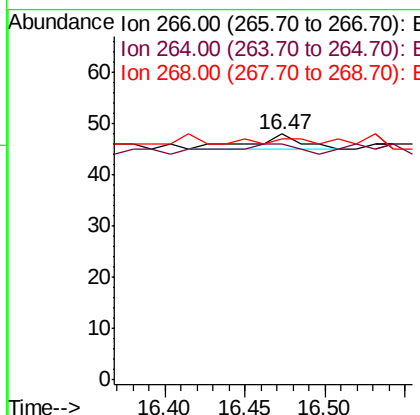
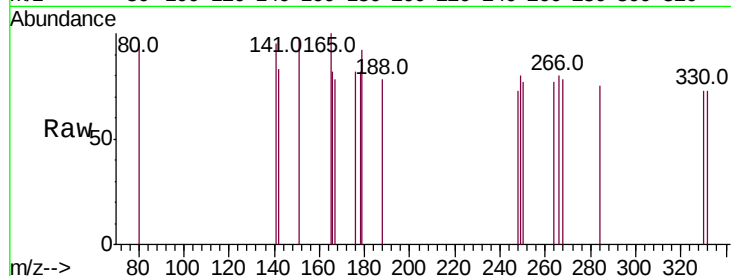


#22
 Pentachlorophenol
 Concen: 0.134 ng
 RT: 16.47 min Scan# 1236
 Delta R.T. 0.03 min
 Lab File: BE097636.D
 Acq: 22 Sep 2018 6:52

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:266 Resp: 6

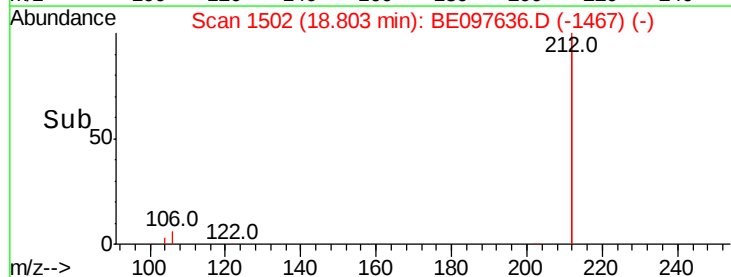
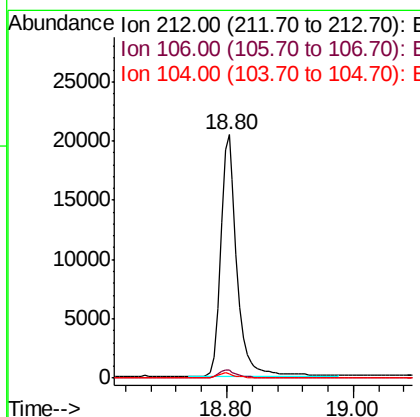
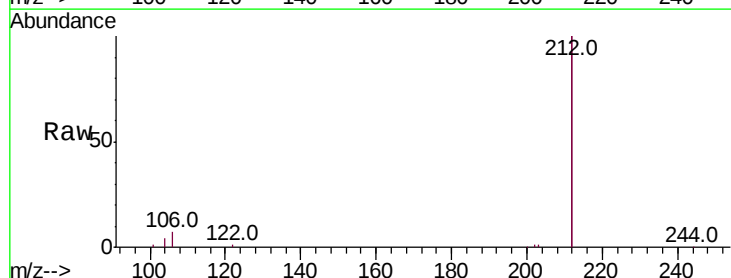
Ion	Ratio	Lower	Upper
266	100		
264	95.8	72.5	108.7
268	97.9	73.8	110.6

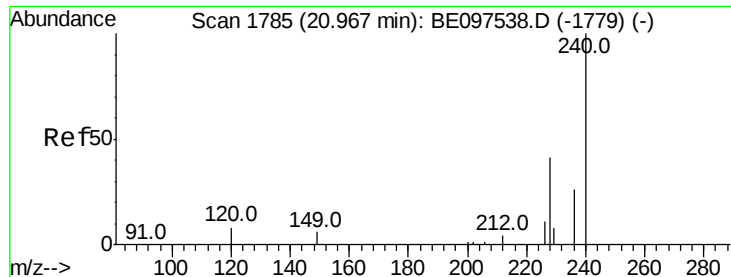


#25
 Fluoranthene-d10
 Concen: 0.430 ng
 RT: 18.80 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: BE097636.D
 Acq: 22 Sep 2018 6:52

Tgt Ion:212 Resp: 35711

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	1.7	1.6	2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

Instrument :

BNA_E

ClientSampleId :

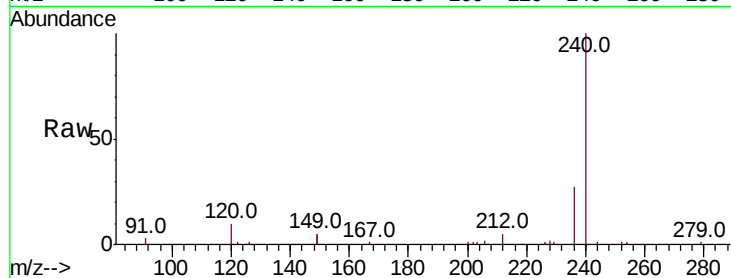
Tot Ion:240 Resp: 8171

Ion Ratio Lower Upper

240 100

120 10.4 5.5 8.3#

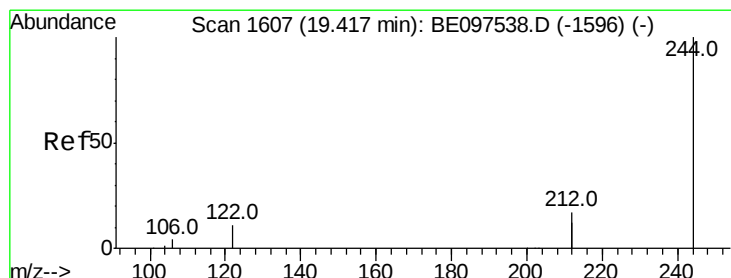
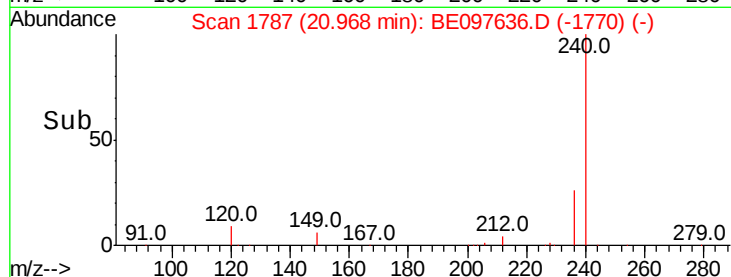
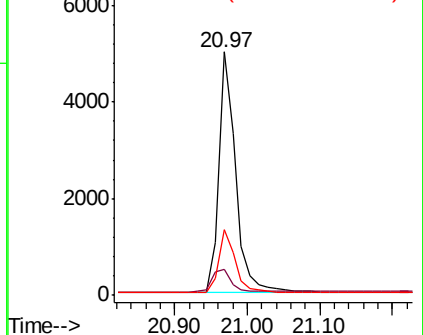
236 27.0 20.7 31.1



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: 0.680 ng

RT: 19.41 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

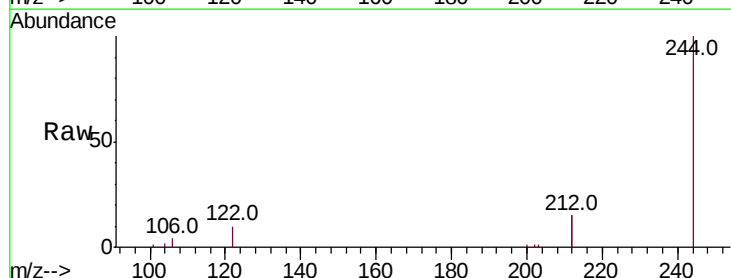
Tgt Ion:244 Resp: 10169

Ion Ratio Lower Upper

244 100

212 30.4 25.4 38.0

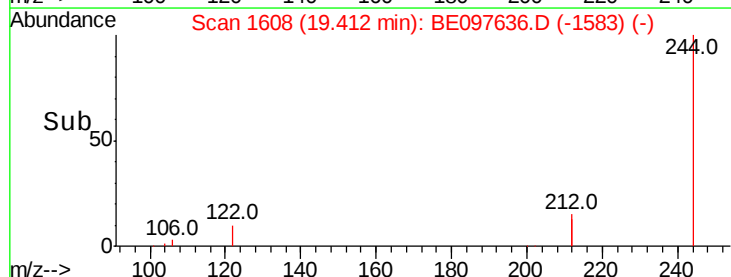
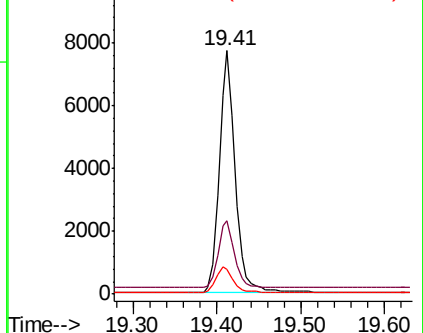
122 10.3 8.1 12.1

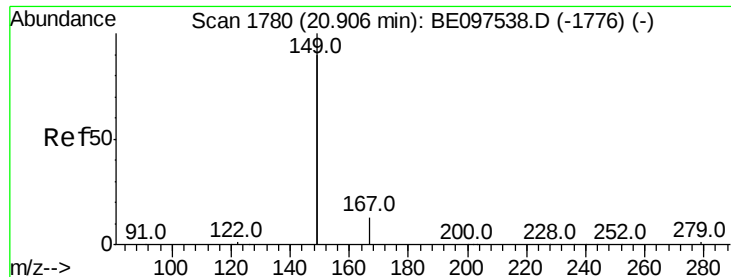


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.037 ng

RT: 20.89 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

Instrument :

BNA_E

ClientSampleId :

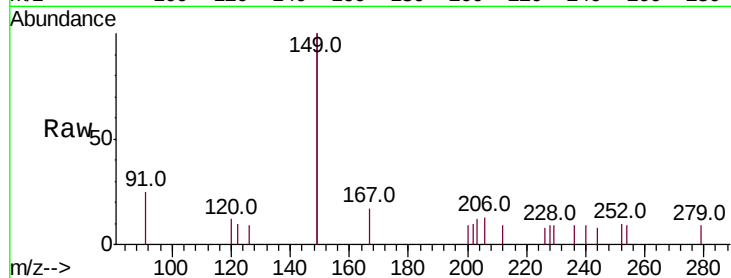
Tot Ion:149 Resp: 931

Ion Ratio Lower Upper

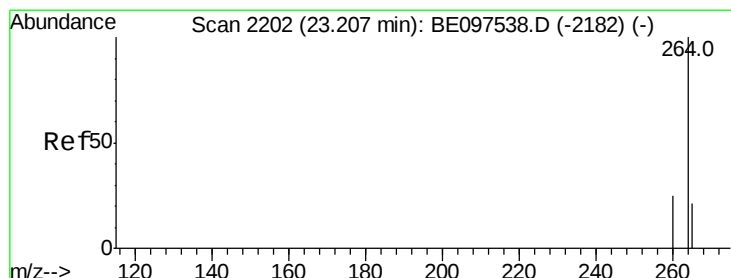
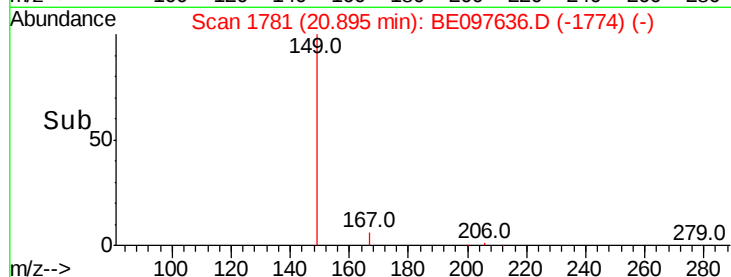
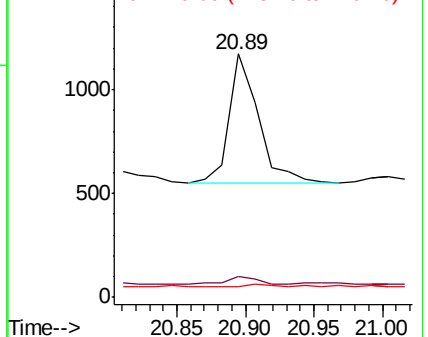
149 100

167 5.7 5.4 8.0

279 2.3 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# 2204

Delta R.T. 0.00 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

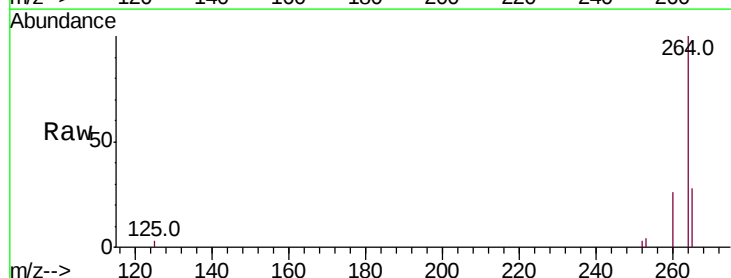
Tgt Ion:264 Resp: 7718

Ion Ratio Lower Upper

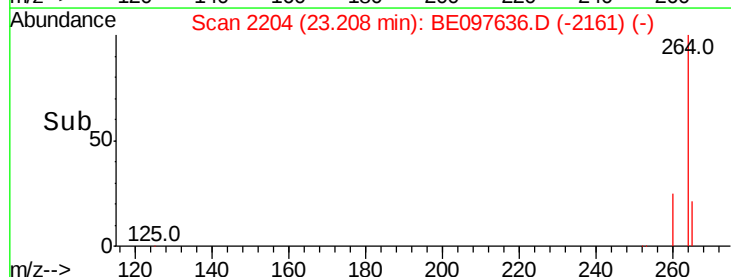
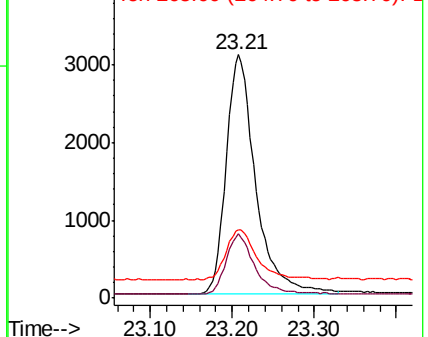
264 100

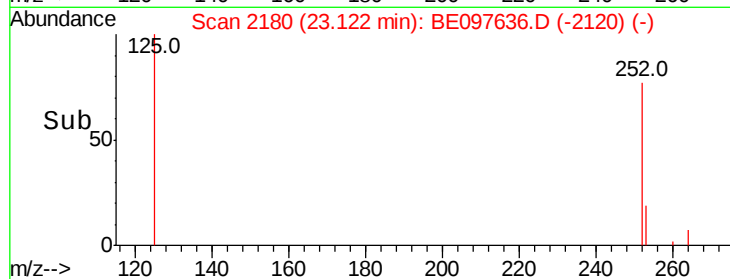
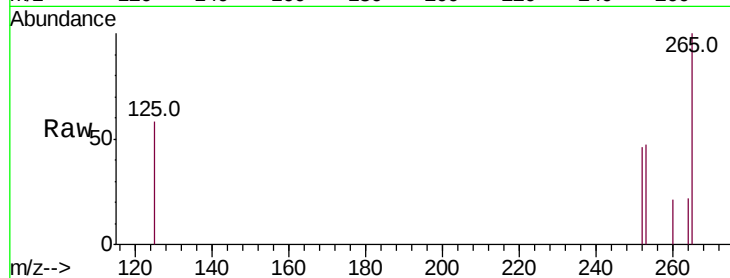
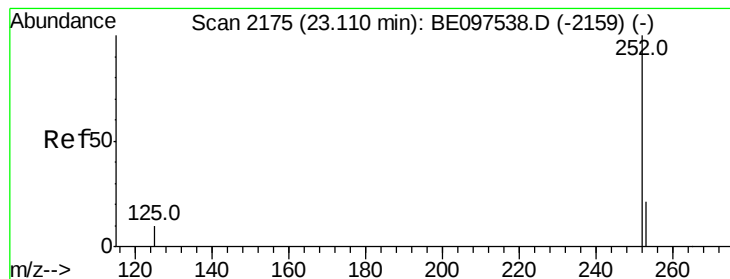
260 26.5 20.5 30.7

265 28.2 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: 0.023 ng

RT: 23.12 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BE097636.D

Acq: 22 Sep 2018 6:52

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 252 Resp: 53

Ion Ratio Lower Upper

252 100

253 102.8 16.0 24.0#

125 127.1 12.0 18.0#

