

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096926.D
 Acq On : 14 Jul 2018 5:41
 Operator : SJ/JU
 Sample : J3170-05DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 14 06:33:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 17:02:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	2279	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	11966	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6677	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	16278	0.40	ng	0.00
27) Chrysene-d12	20.98	240	13560	0.40	ng	0.00
34) Perylene-d12	23.21	264	13771	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	221	0.04	ng	0.00
5) Phenol-d6	6.59	99	181	0.02	ng	0.00
8) Nitrobenzene-d5	8.53	82	709	0.10	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	1565	0.09	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	139	0.22	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	2390	0.10	ng	0.00
25) Fluoranthene-d10	18.81	212	13053	0.09	ng	0.00
29) Terphenyl-d14	19.43	244	3475	0.13	ng	0.00

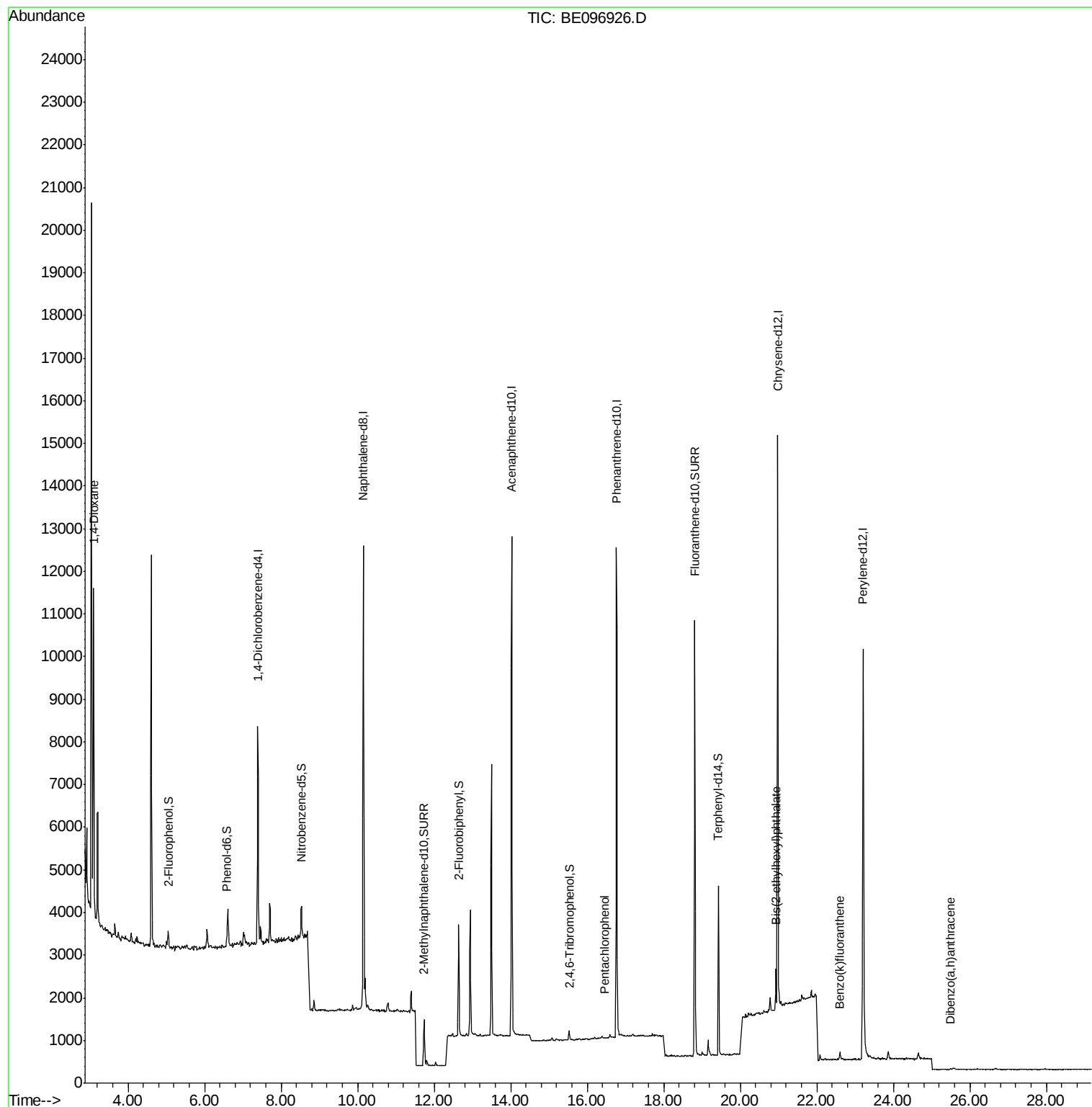
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	4441	1.300	ng	# 92
22) Pentachlorophenol	16.45	266	15	0.047	ng	# 95
32) Bis(2-ethylhexyl)phthalate	20.93	149	1109	0.041	ng	# 97
36) Benzo(k)fluoranthene	22.59	252	9	0.084	ng	# 1
38) Dibenzo(a,h)anthracene	25.51	278	3	0.109	ng	# 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. 0.00 min

Lab File: BE096926.D

Acq: 14 Jul 2018 5:41

Instrument :

BNA_E

ClientSampleId :

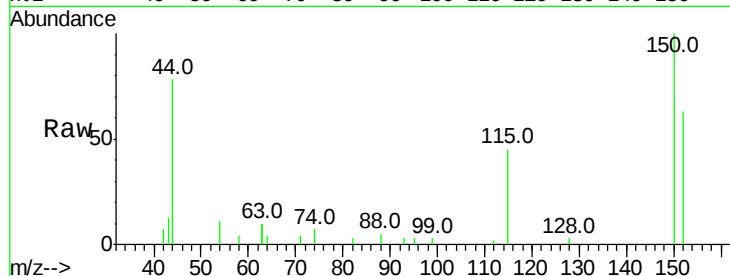
Tot Ion:152 Resp: 2279

Ion Ratio Lower Upper

152 100

150 159.7 117.2 175.8

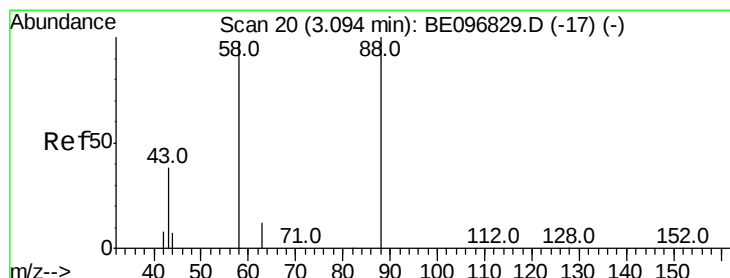
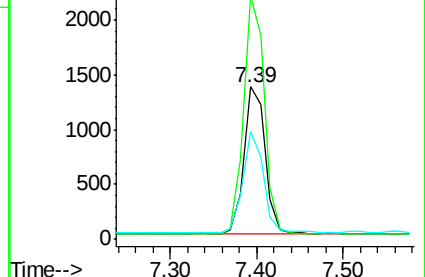
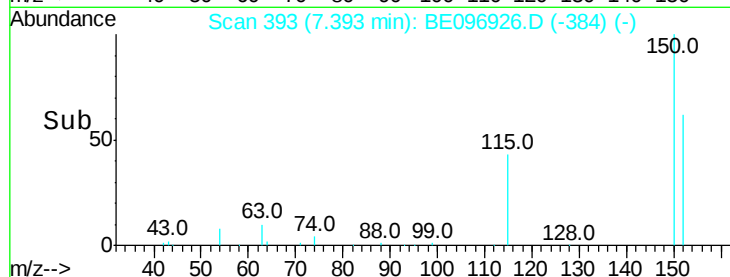
115 71.2 57.0 85.6



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: 1.300 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE096926.D

Acq: 14 Jul 2018 5:41

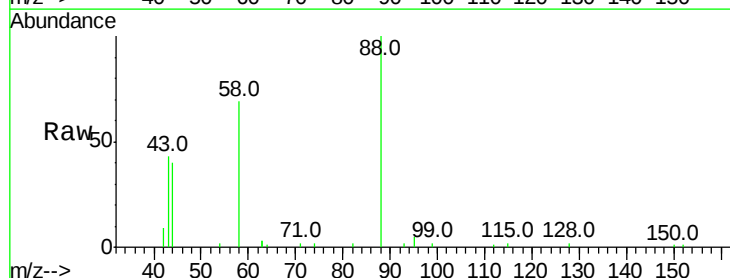
Tgt Ion: 88 Resp: 4441

Ion Ratio Lower Upper

88 100

58 80.5 63.2 94.8

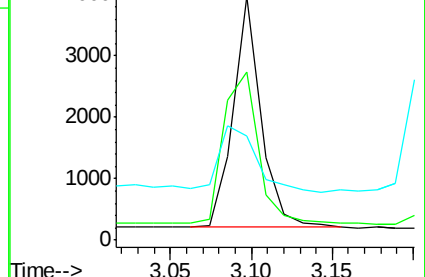
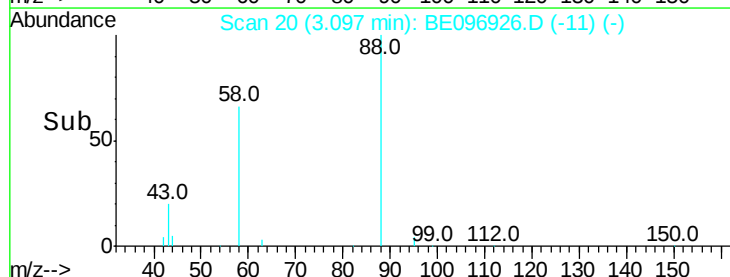
43 39.4 41.2 61.8#

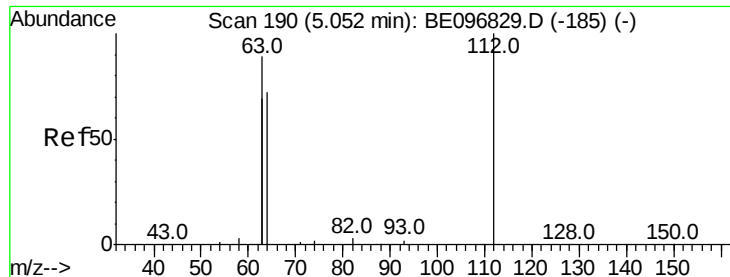


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.043 ng

RT: 5.06 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE096926.D

Acq: 14 Jul 2018 5:41

Instrument :

BNA_E

ClientSampled :

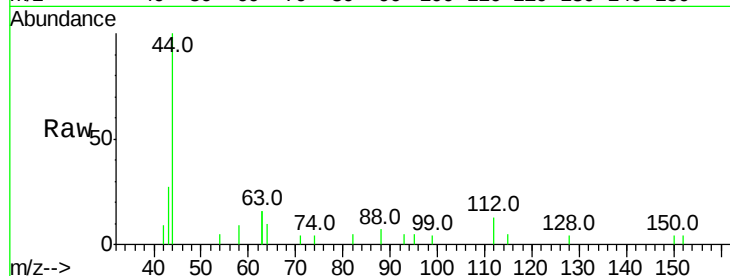
Tot Ion: 112 Resp: 221

Ion Ratio Lower Upper

112 100

64 69.7 60.1 90.1

63 155.7 116.8 175.2

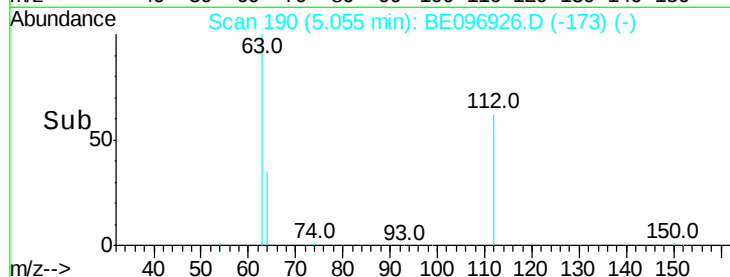


Abundance Ion 112.00 (111.70 to 112.70): BE0

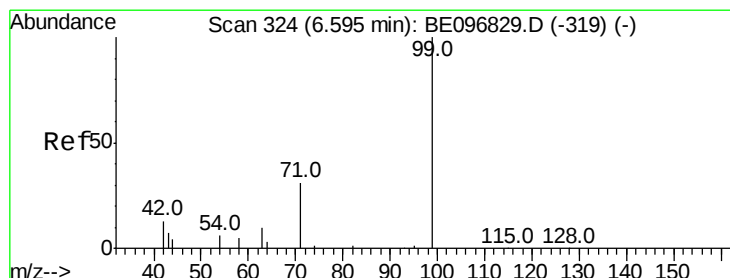
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->



Time-->



#5

Phenol-d6

Concen: 0.024 ng

RT: 6.59 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE096926.D

Acq: 14 Jul 2018 5:41

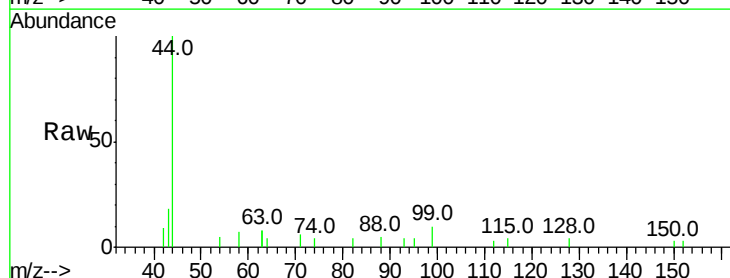
Tgt Ion: 99 Resp: 181

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 45.9 28.4 42.6#

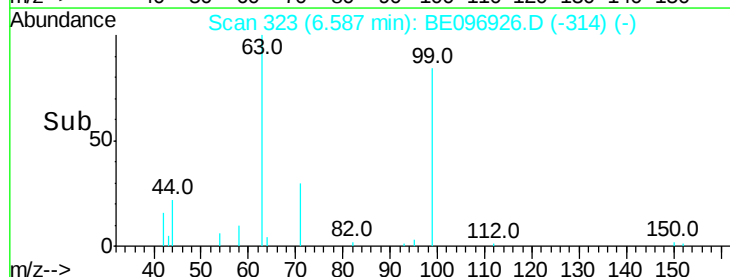


Abundance Ion 99.00 (98.70 to 99.70): BE0

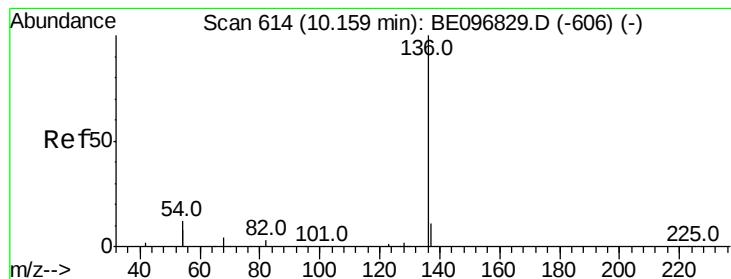
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096926.D

Acq: 14 Jul 2018 5:41

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 11966

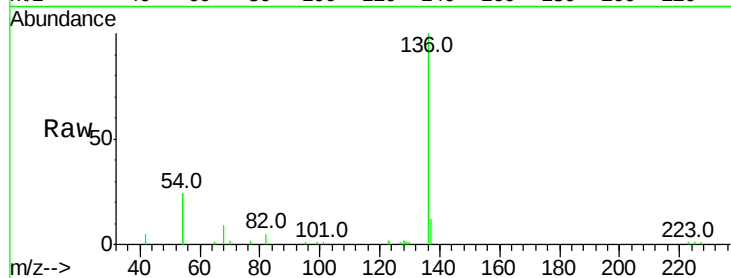
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 47.6 29.1 43.7#

68 8.8 6.2 9.2

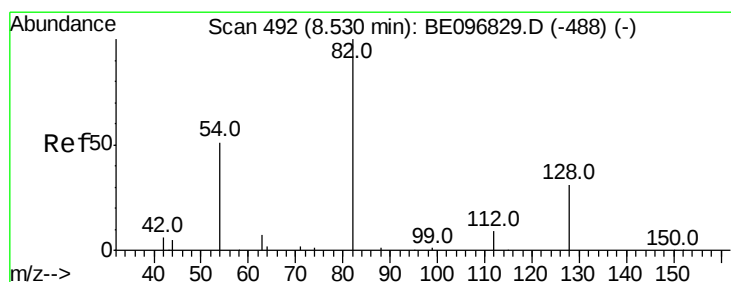
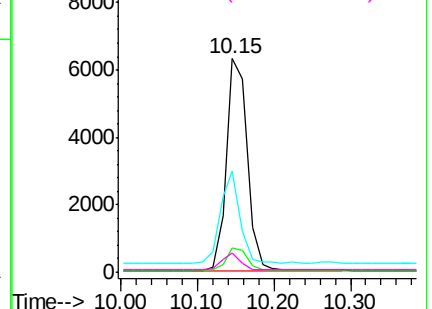
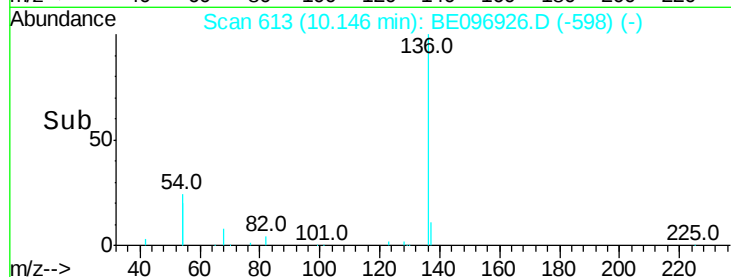


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.098 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096926.D

Acq: 14 Jul 2018 5:41

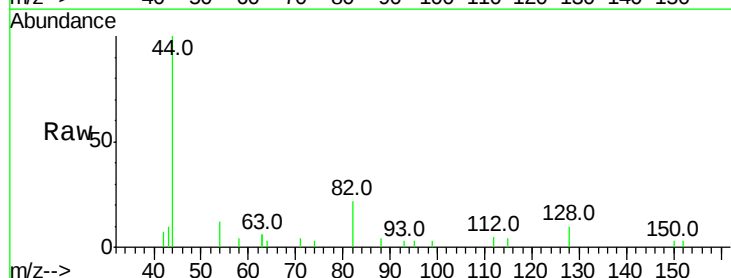
Tgt Ion: 82 Resp: 709

Ion Ratio Lower Upper

82 100

128 46.3 24.0 36.0#

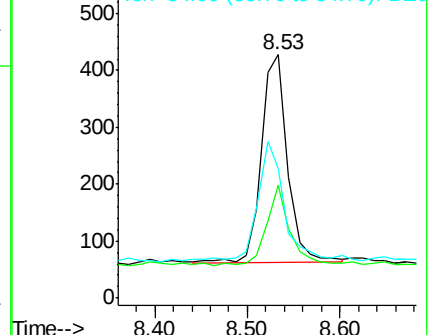
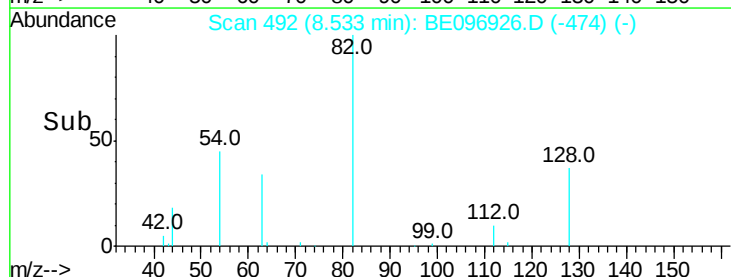
54 53.3 40.0 60.0

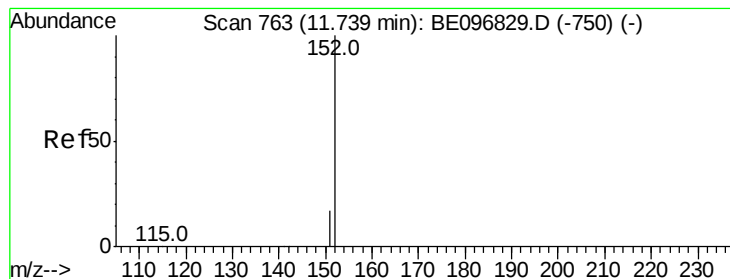


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

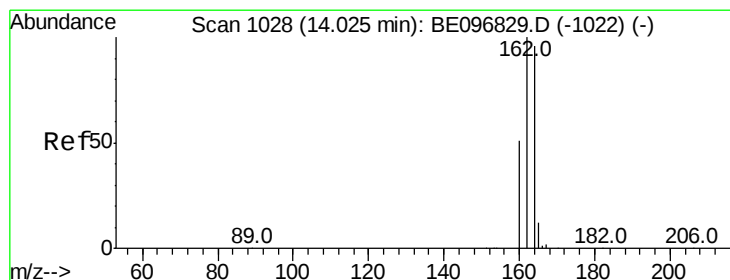
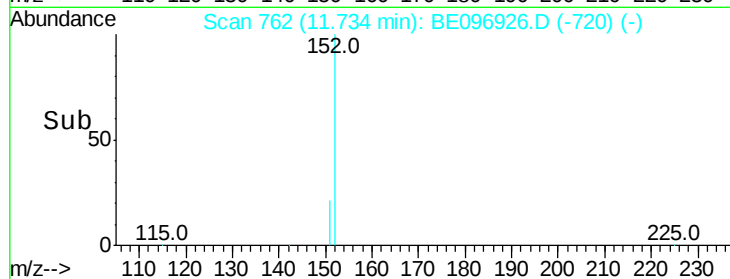
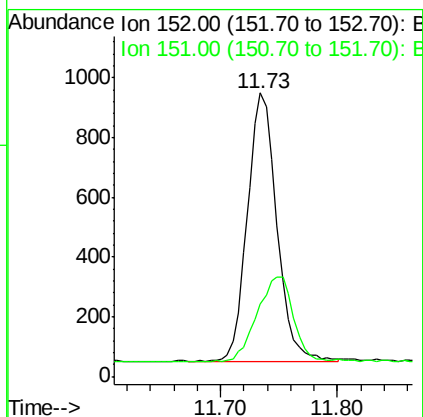
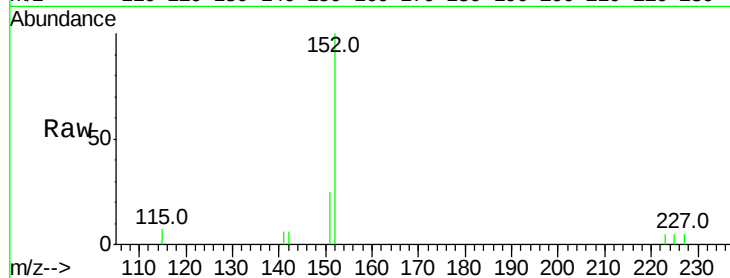




#11
2-Methylnaphthalene-d10
Concen: 0.091 ng
RT: 11.73 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE096926.D
Acq: 14 Jul 2018 5:41

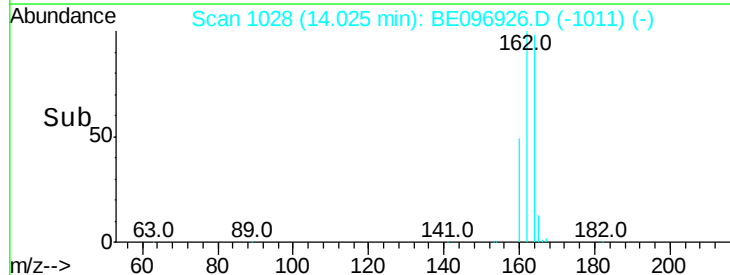
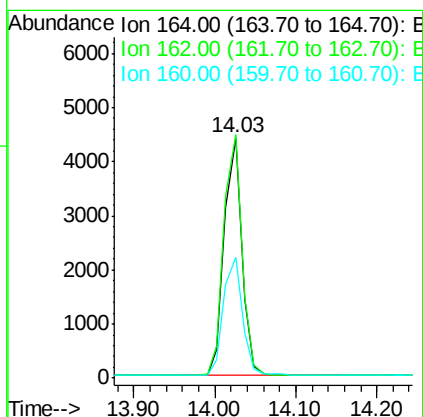
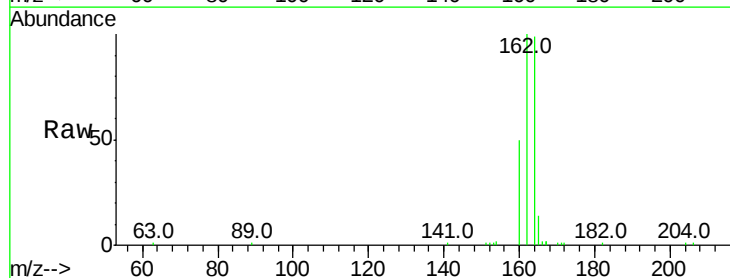
Instrument :
BNA_E
ClientSampled :

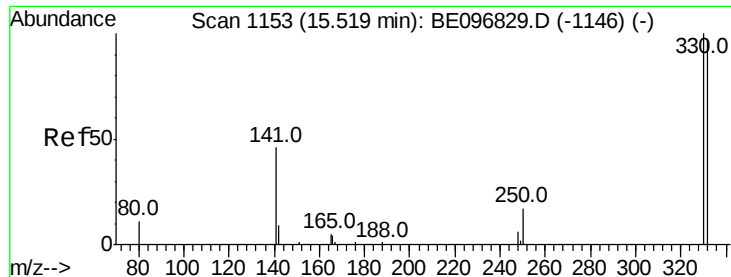
Tot Ion:152 Resp: 1565
Ion Ratio Lower Upper
152 100
151 39.6 15.4 23.0#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE096926.D
Acq: 14 Jul 2018 5:41

Tgt Ion:164 Resp: 6677
Ion Ratio Lower Upper
164 100
162 101.5 83.1 124.7
160 50.6 37.1 55.7

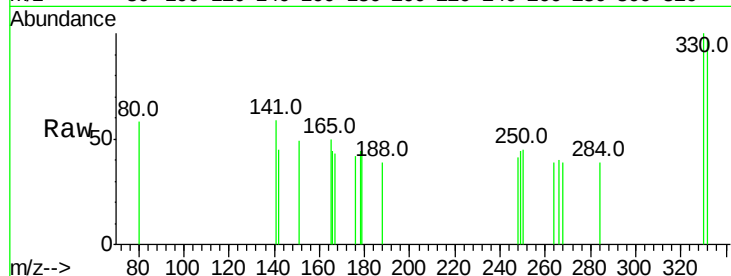




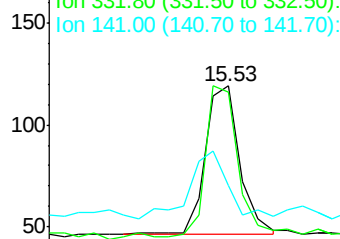
#14
 2,4,6-Tribromophenol
 Concen: 0.225 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BE096926.D
 Acq: 14 Jul 2018 5:41

Instrument :
 BNA_E
 ClientSampled :

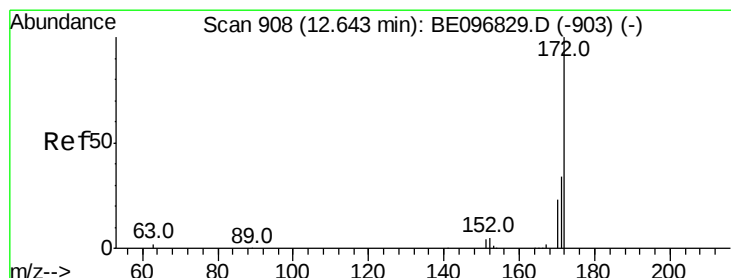
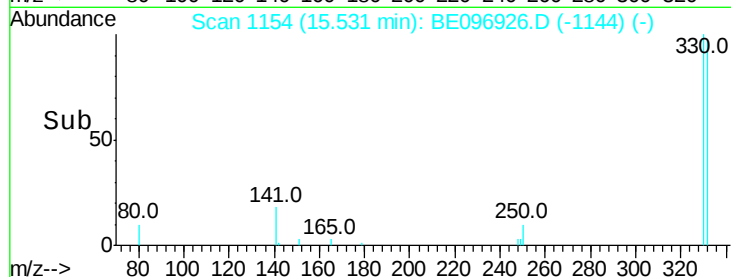
Tot Ion:330 Resp: 139
 Ion Ratio Lower Upper
 330 100
 332 94.2 152.7 229.1#
 141 49.6 33.7 50.5



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

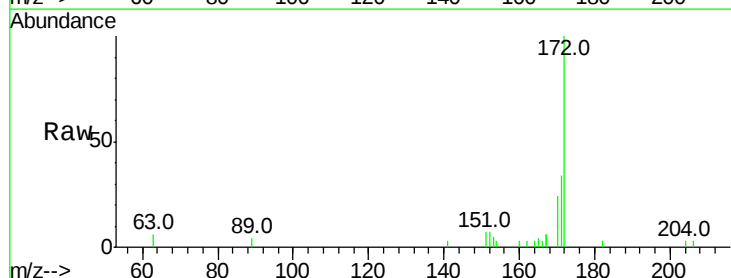


Time--> 15.40 15.50 15.60

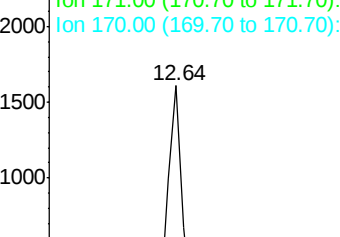


#15
 2-Fluorobiphenyl
 Concen: 0.098 ng
 RT: 12.64 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE096926.D
 Acq: 14 Jul 2018 5:41

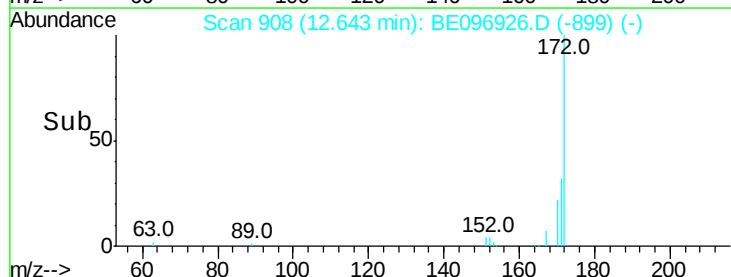
Tgt Ion:172 Resp: 2390
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.9 44.9
 170 24.3 21.8 32.8

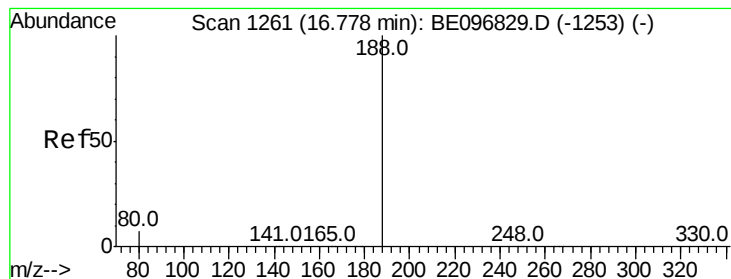


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time--> 12.60 12.80





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE096926.D

Acq: 14 Jul 2018 5:41

Instrument :

BNA_E

ClientSampled :

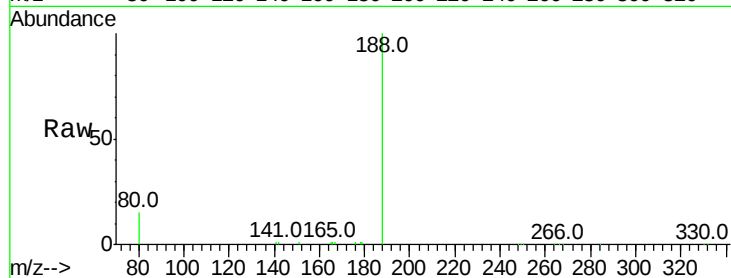
Tot Ion:188 Resp: 16278

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

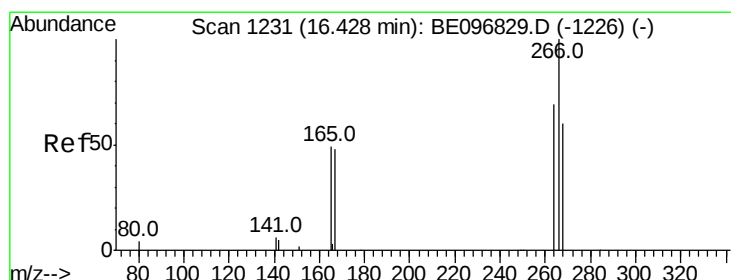
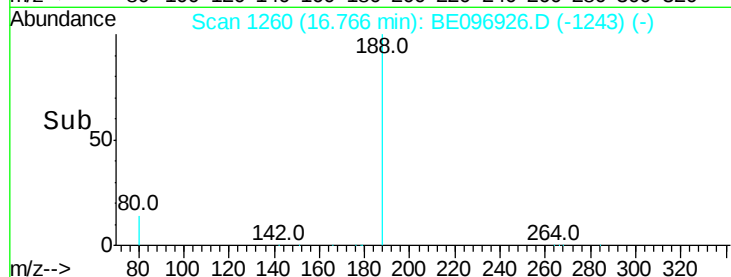
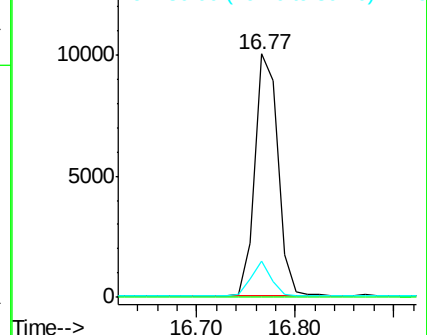
80 15.0 3.6 5.4#



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: 0.047 ng

RT: 16.45 min Scan# 1233

Delta R.T. 0.02 min

Lab File: BE096926.D

Acq: 14 Jul 2018 5:41

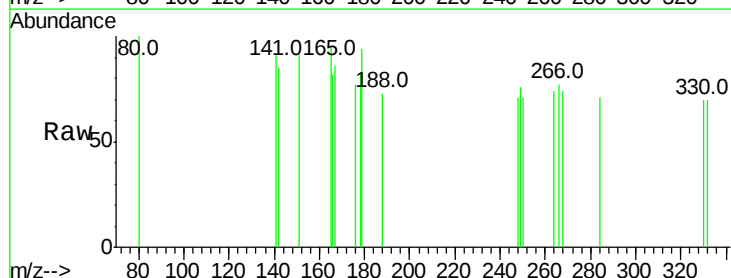
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

264 96.1 72.5 108.7

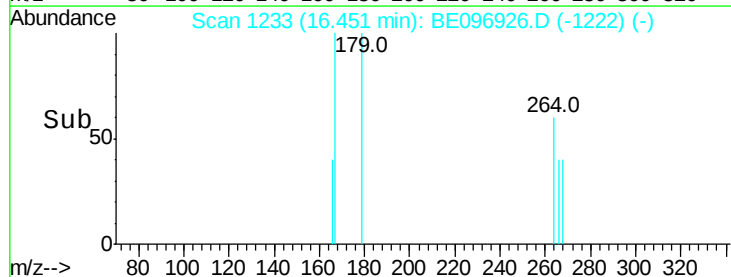
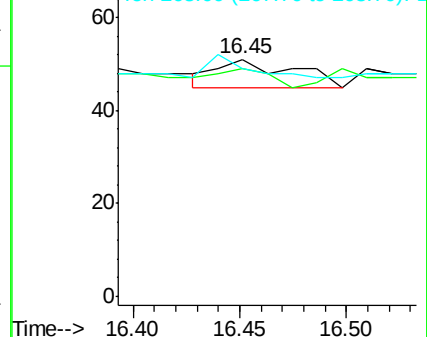
268 96.1 73.8 110.6

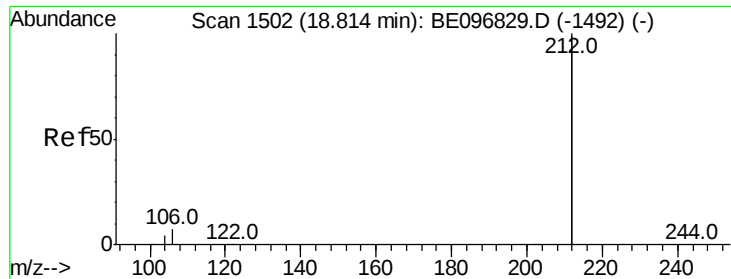


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

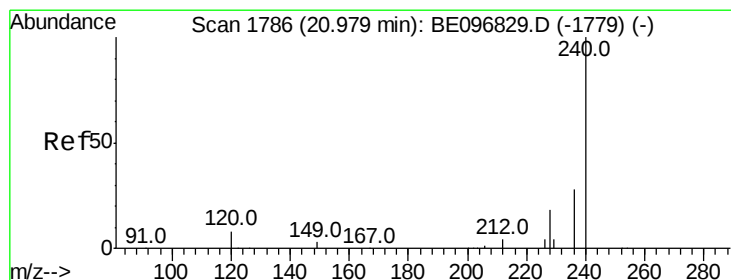
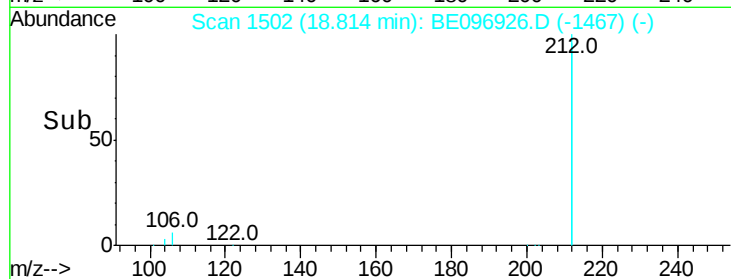
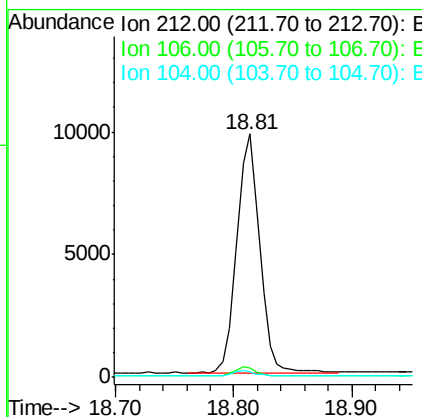
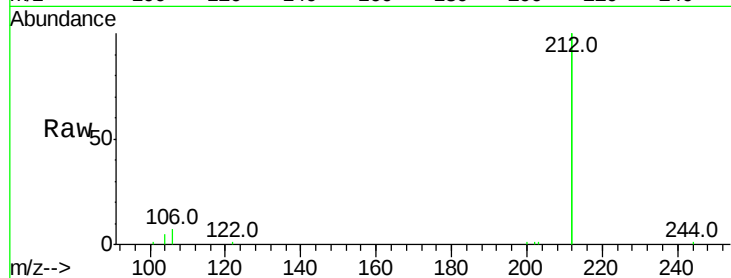




#25
 Fluoranthene-d10
 Concen: 0.091 ng
 RT: 18.81 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: BE096926.D
 Acq: 14 Jul 2018 5:41

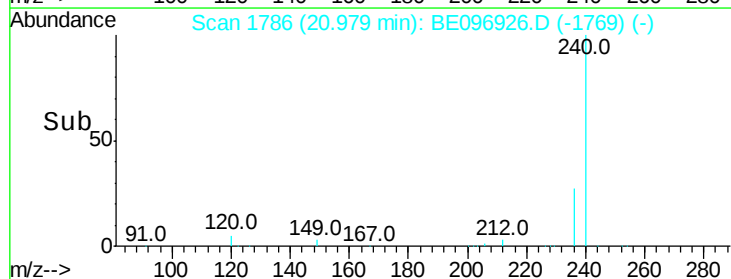
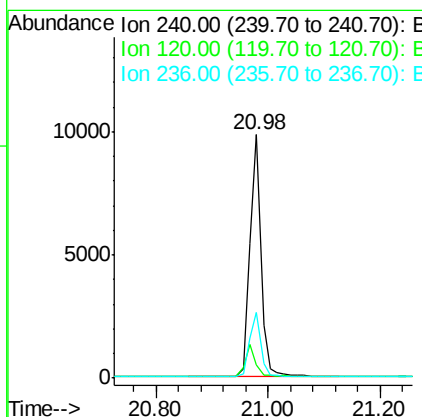
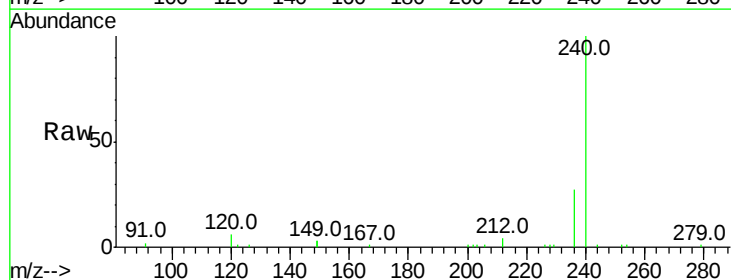
Instrument :
 BNA_E
 ClientSampleId :

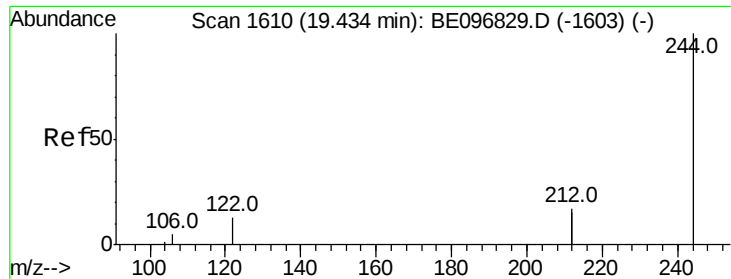
Tot Ion:212 Resp: 13053
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.8 4.2
 104 2.0 1.6 2.4



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE096926.D
 Acq: 14 Jul 2018 5:41

Tgt Ion:240 Resp: 13560
 Ion Ratio Lower Upper
 240 100
 120 5.6 5.5 8.3
 236 27.1 20.7 31.1





#29

Terphenyl-d14

Concen: 0.133 ng

RT: 19.43 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE096926.D

Acq: 14 Jul 2018 5:41

Instrument :

BNA_E

ClientSampleId :

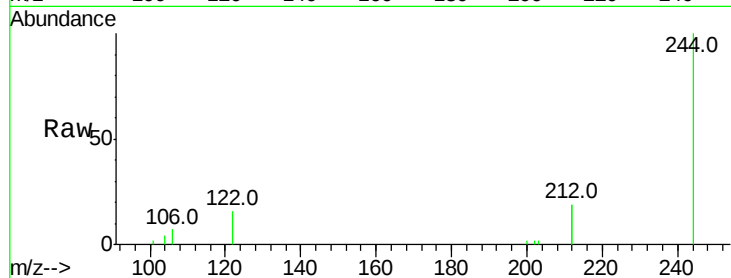
Tot Ion:244 Resp: 3475

Ion Ratio Lower Upper

244 100

212 37.3 25.4 38.0

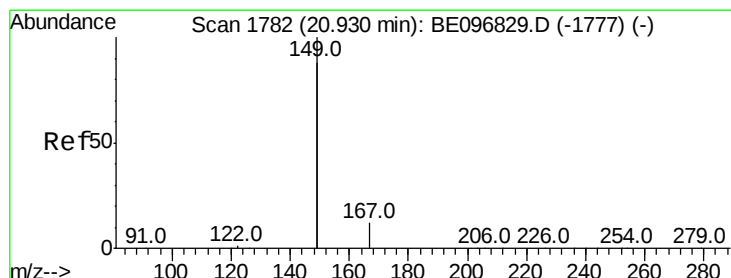
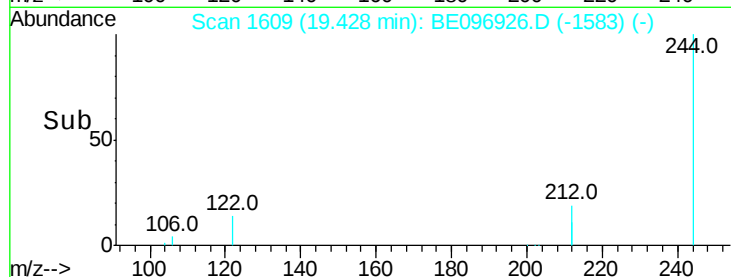
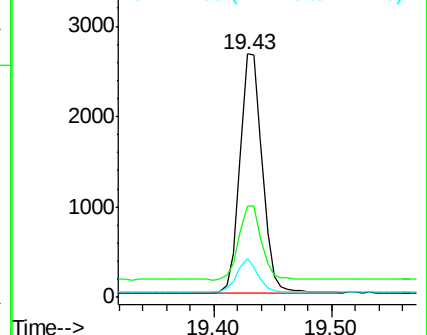
122 15.8 8.1 12.1#



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: 0.041 ng

RT: 20.93 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE096926.D

Acq: 14 Jul 2018 5:41

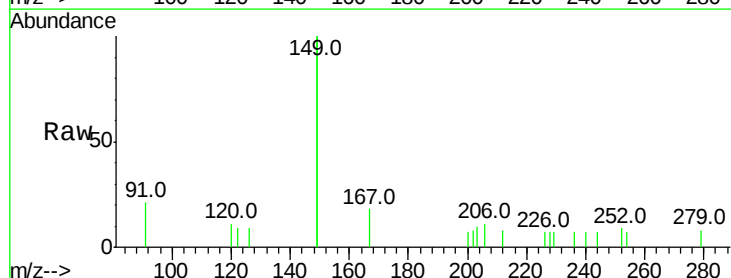
Tgt Ion:149 Resp: 1109

Ion Ratio Lower Upper

149 100

167 5.8 5.4 8.0

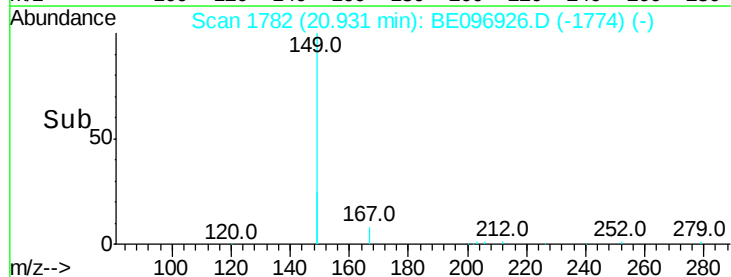
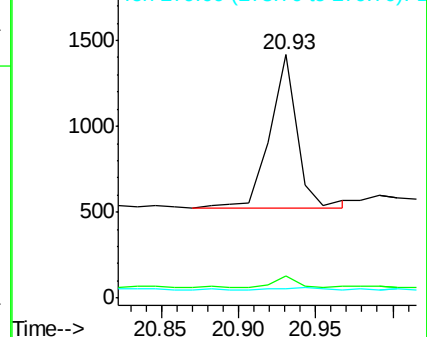
279 1.5 0.7 1.1#

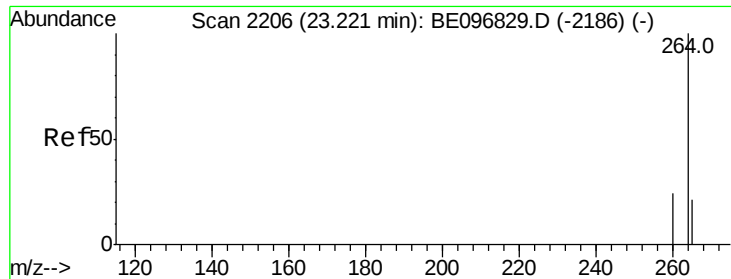


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

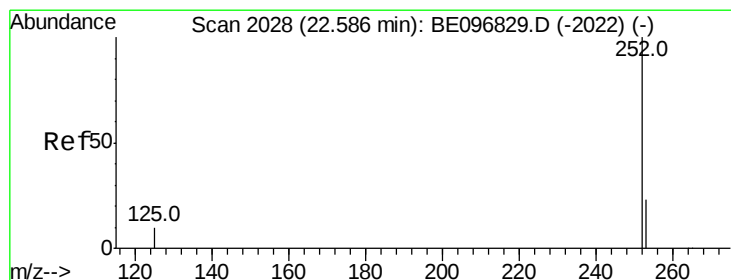
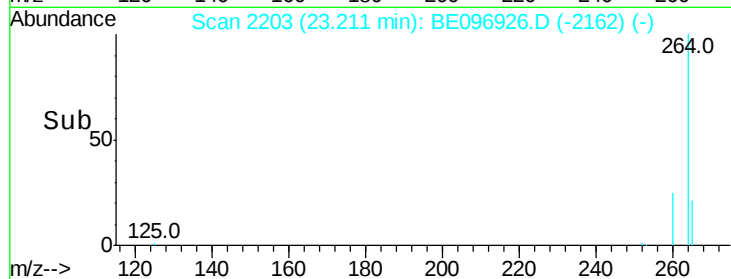
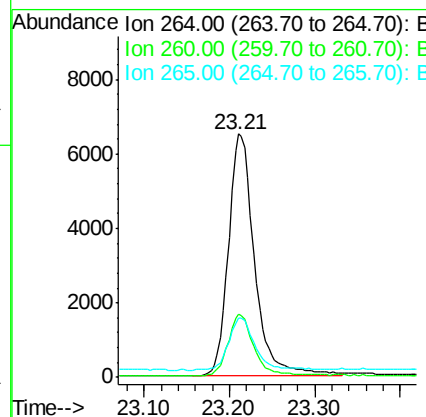
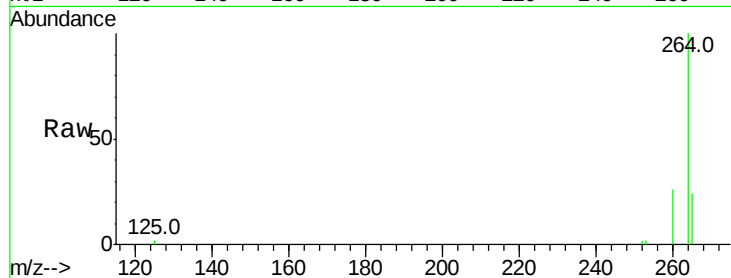




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: BE096926.D
 Acq: 14 Jul 2018 5:41

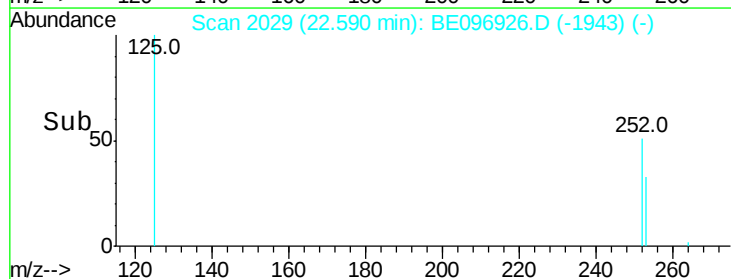
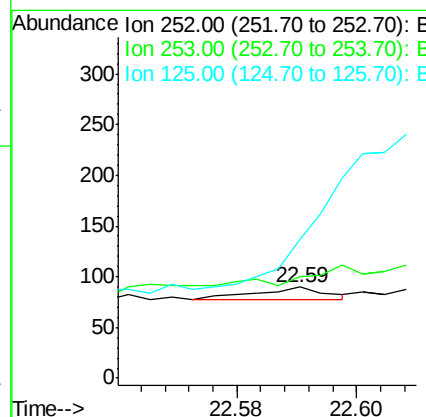
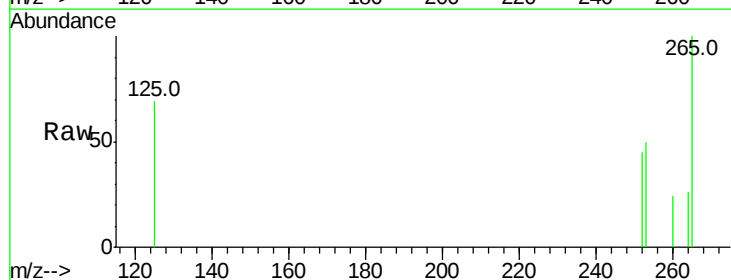
Instrument :
 BNA_E
 ClientSampleId :

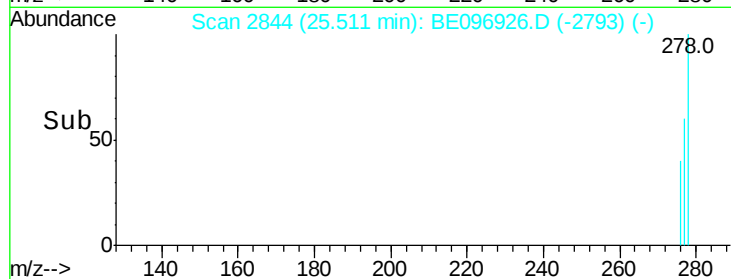
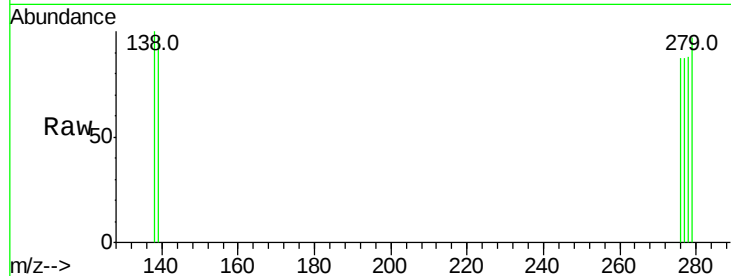
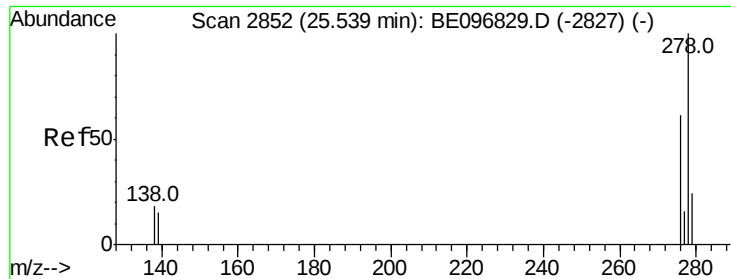
Tot Ion:264 Resp: 13771
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.5 30.7
 265 24.4 22.8 34.2



#36
 Benzo(k)fluoranthene
 Concen: 0.084 ng
 RT: 22.59 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BE096926.D
 Acq: 14 Jul 2018 5:41

Tgt Ion:252 Resp: 9
 Ion Ratio Lower Upper
 252 100
 253 111.1 16.0 24.0#
 125 152.2 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.109 ng

RT: 25.51 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BE096926.D

Acq: 14 Jul 2018 5:41

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	278	Resp:	3
Ion	Ratio	Lower	Upper
278	100		
139	109.4	16.0	24.0#
279	109.4	20.0	30.0#

