

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096924.D
 Acq On : 14 Jul 2018 4:26
 Operator : SJ/JU
 Sample : J3170-01DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 14 05:28:14 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	7.40	152	2372	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	12156	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6826	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	16569	0.40	ng	0.00
27) Chrysene-d12	20.98	240	13237	0.40	ng	0.00
34) Perylene-d12	23.21	264	13888	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	266	0.05	ng	0.00
5) Phenol-d6	6.60	99	236	0.03	ng	0.00
8) Nitrobenzene-d5	8.53	82	751	0.10	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	1543	0.09	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	158	0.23	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	2732	0.11	ng	0.00
25) Fluoranthene-d10	18.81	212	12912	0.09	ng	0.00
29) Terphenyl-d14	19.43	244	4176	0.16	ng	0.00

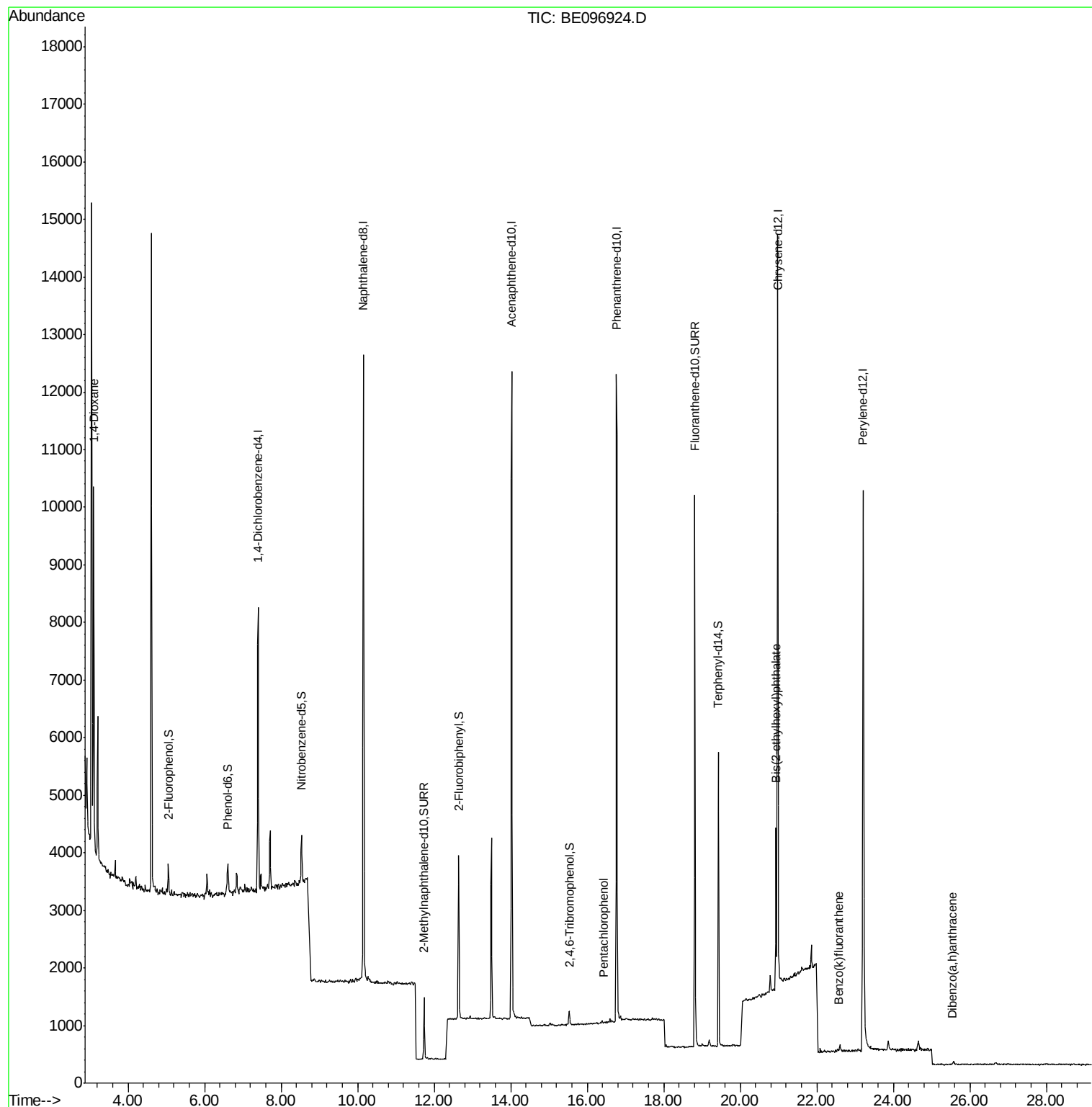
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	3309	0.931	ng	# 91
22) Pentachlorophenol	16.44	266	4	0.038	ng	# 96
32) Bis(2-ethylhexyl)phthalate	20.93	149	2860	0.109	ng	# 99
36) Benzo(k)fluoranthene	22.58	252	3	0.083	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	2	0.109	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. 0.01 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

Instrument :

BNA_E

ClientSampleId :

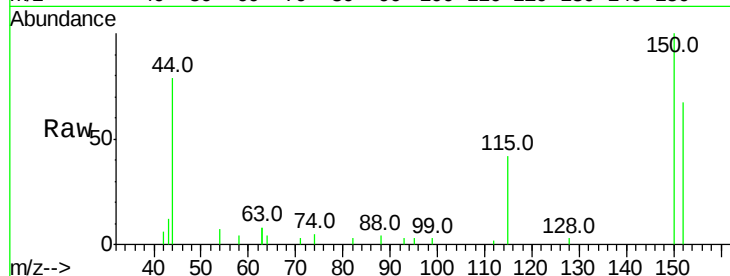
Tot Ion:152 Resp: 2372

Ion Ratio Lower Upper

152 100

150 150.1 117.2 175.8

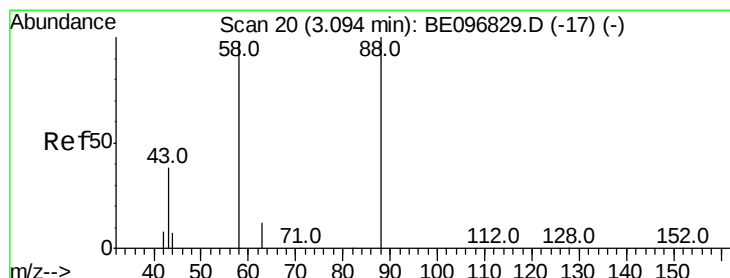
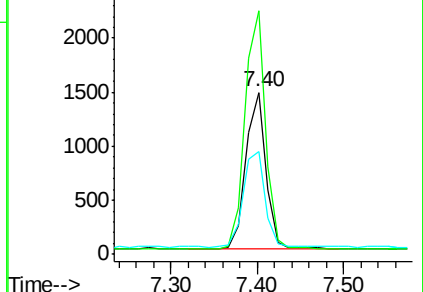
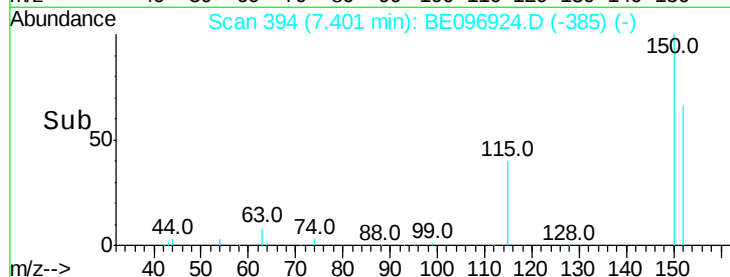
115 63.5 57.0 85.6



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: 0.931 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

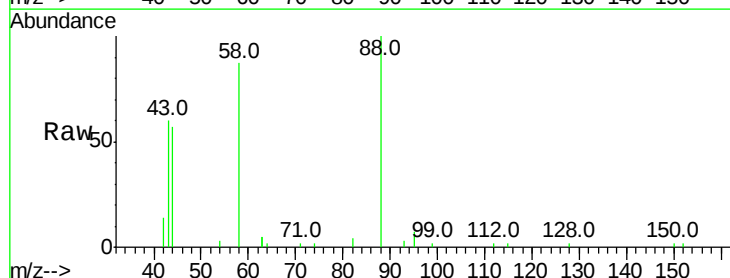
Tgt Ion: 88 Resp: 3309

Ion Ratio Lower Upper

88 100

58 81.5 63.2 94.8

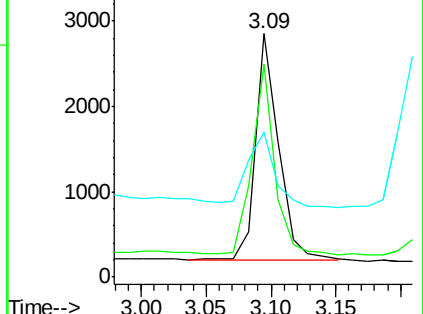
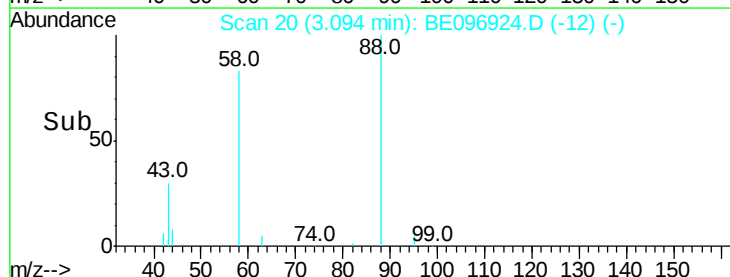
43 39.2 41.2 61.8#

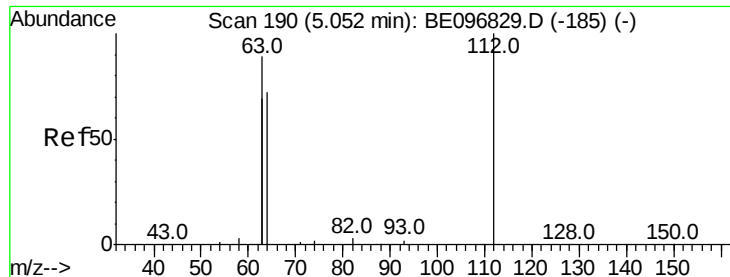


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.050 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

Instrument :

BNA_E

ClientSampled :

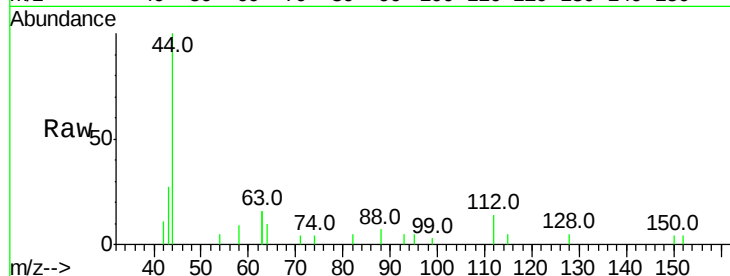
Tot Ion: 112 Resp: 266

Ion Ratio Lower Upper

112 100

64 63.5 60.1 90.1

63 148.5 116.8 175.2



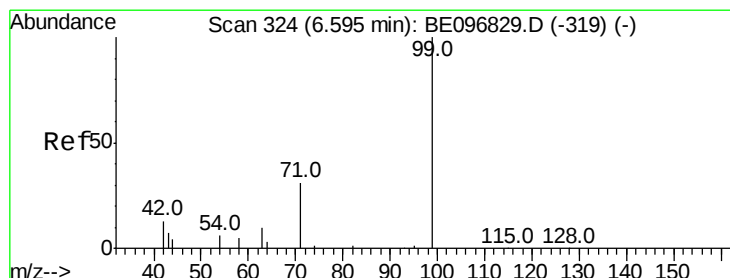
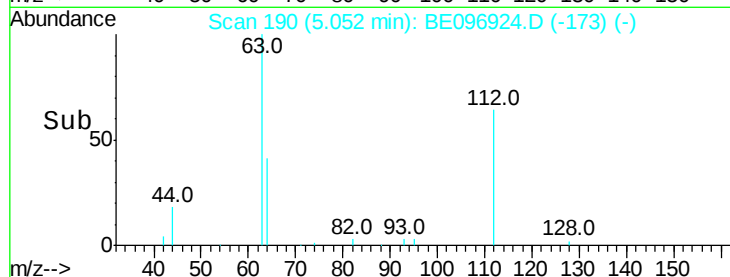
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

5.05

Time-->



#5

Phenol-d6

Concen: 0.030 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

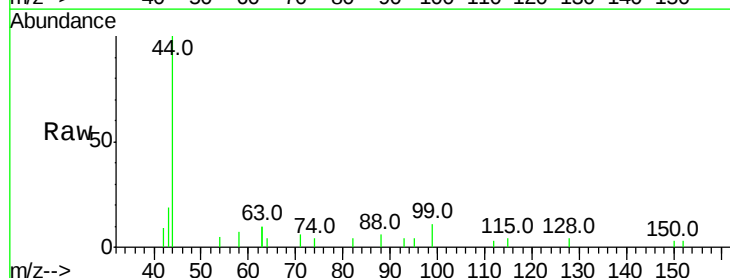
Tgt Ion: 99 Resp: 236

Ion Ratio Lower Upper

99 100

42 41.5 20.2 30.2#

71 35.2 28.4 42.6



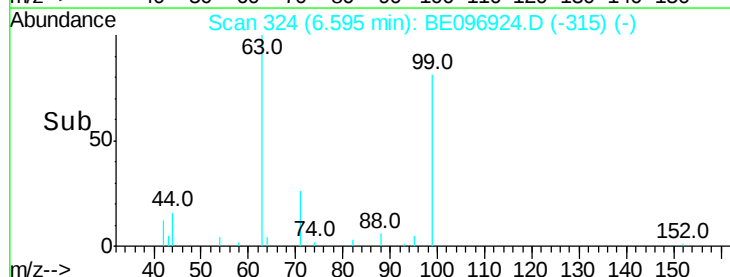
Abundance Ion 99.00 (98.70 to 99.70): BE0

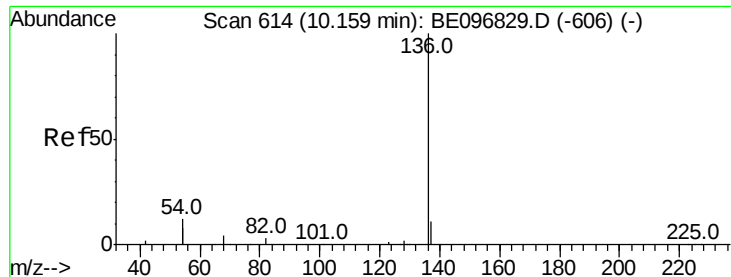
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

6.60

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 12156

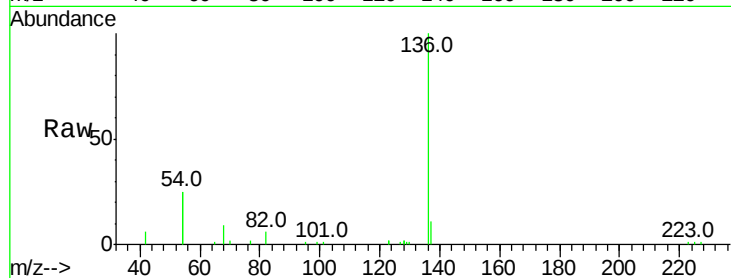
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 51.0 29.1 43.7#

68 9.3 6.2 9.2#

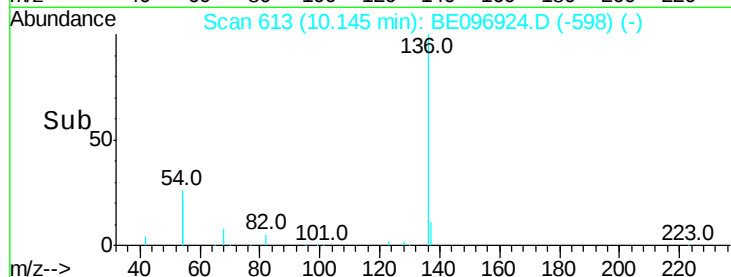


Abundance Ion 136.00 (135.70 to 136.70): E

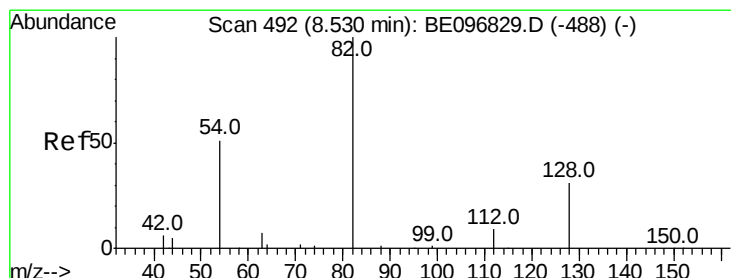
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.00 10.10 10.20 10.30



#8

Nitrobenzene-d5

Concen: 0.102 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

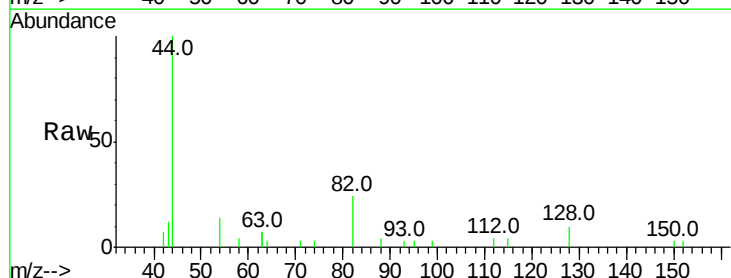
Tgt Ion: 82 Resp: 751

Ion Ratio Lower Upper

82 100

128 40.3 24.0 36.0#

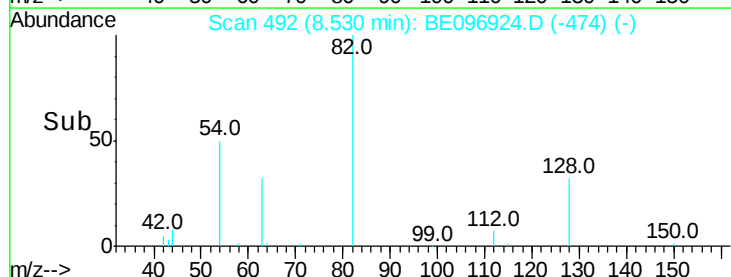
54 58.8 40.0 60.0



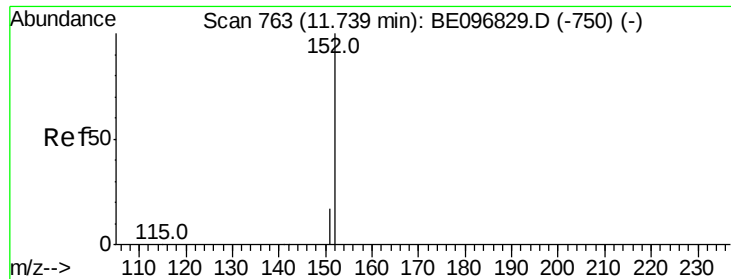
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



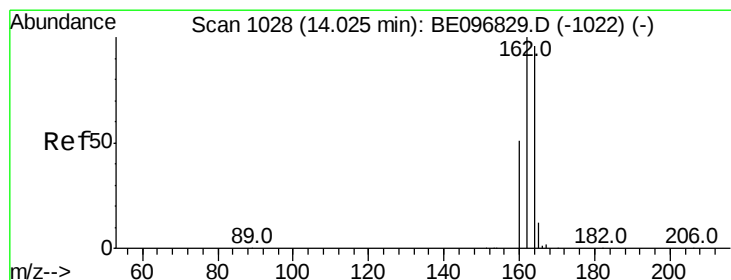
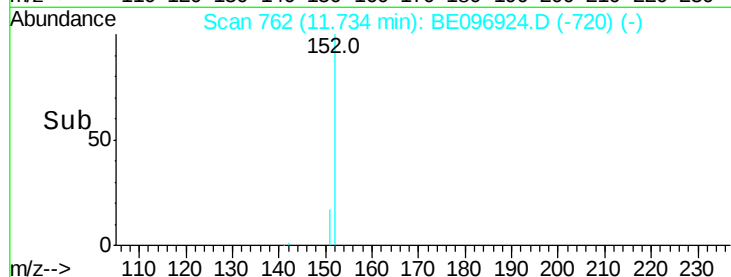
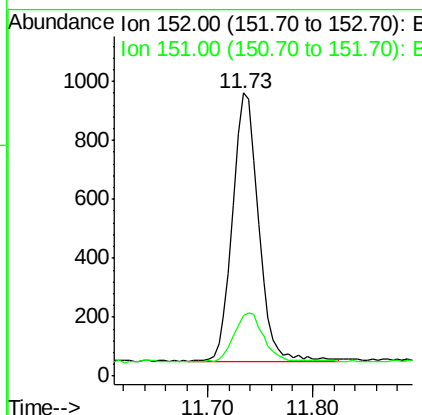
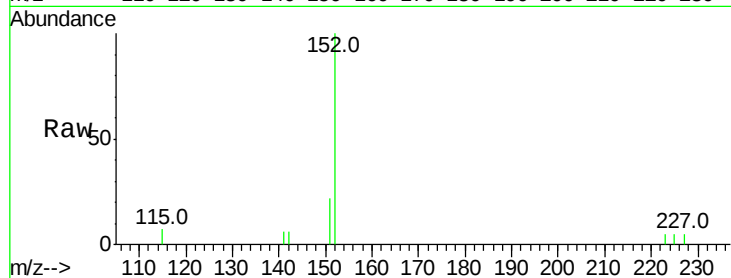
Time--> 8.45 8.50 8.55 8.60 8.65



#11
2-Methylnaphthalene-d10
Concen: 0.088 ng
RT: 11.73 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE096924.D
Acq: 14 Jul 2018 4:26

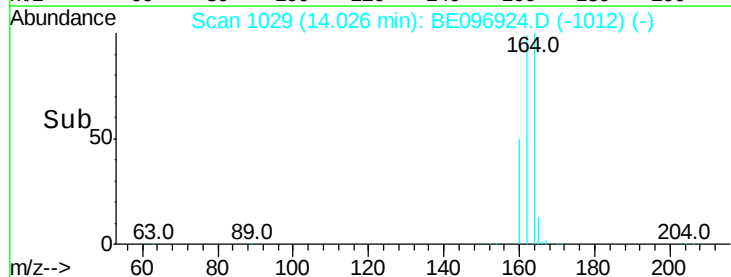
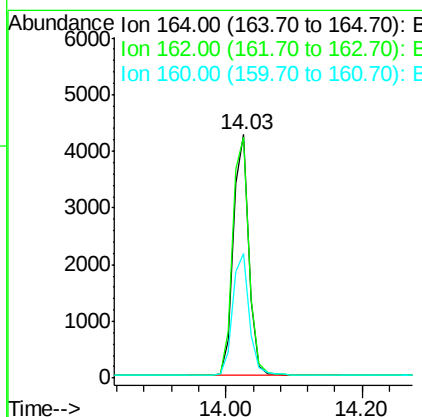
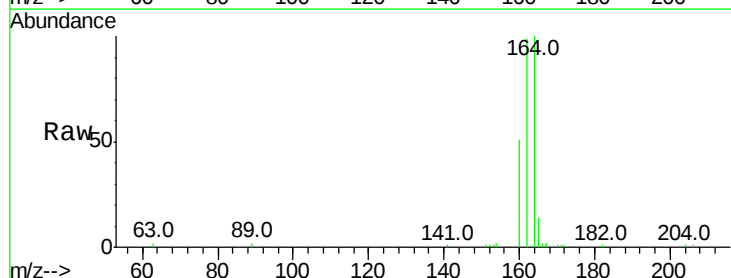
Instrument :
BNA_E
ClientSampleId :

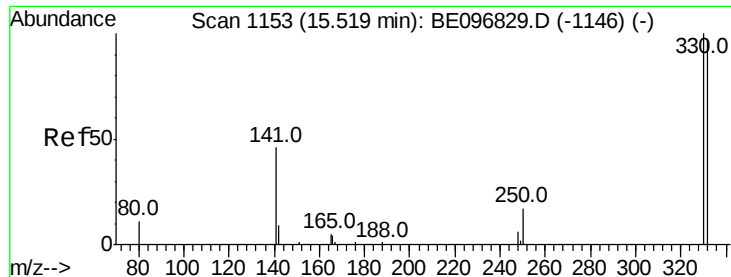
Tot Ion:152 Resp: 1543
Ion Ratio Lower Upper
152 100
151 20.6 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BE096924.D
Acq: 14 Jul 2018 4:26

Tgt Ion:164 Resp: 6826
Ion Ratio Lower Upper
164 100
162 99.3 83.1 124.7
160 51.0 37.1 55.7

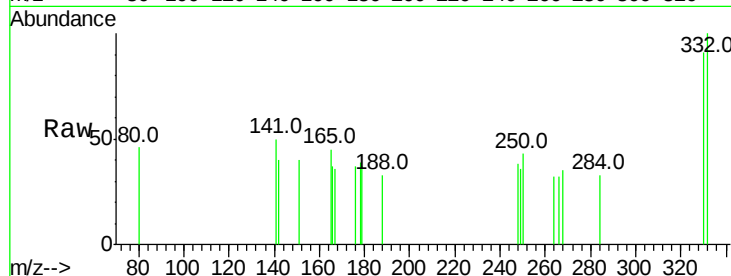




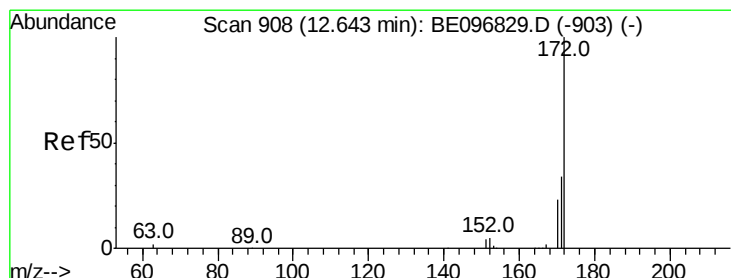
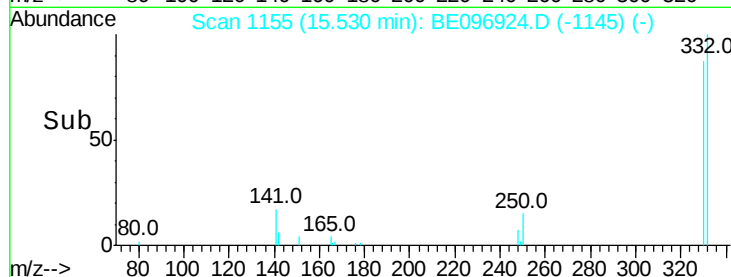
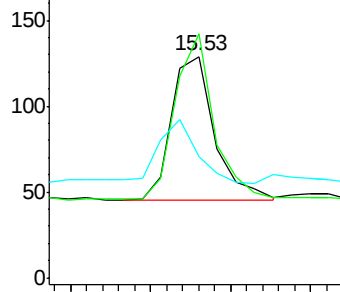
#14
 2,4,6-Tribromophenol
 Concen: 0.231 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: BE096924.D
 Acq: 14 Jul 2018 4:26

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 158
 Ion Ratio Lower Upper
 330 100
 332 101.3 152.7 229.1#
 141 42.4 33.7 50.5

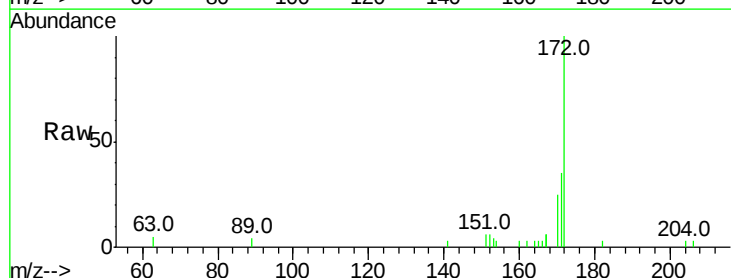


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

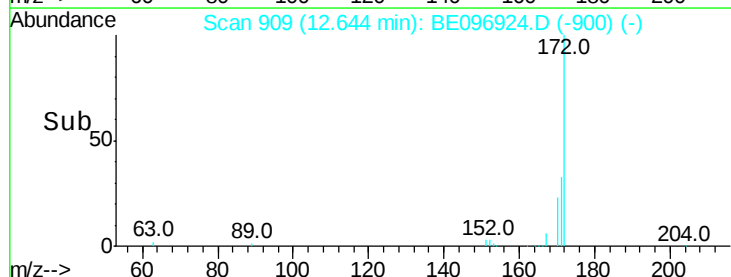
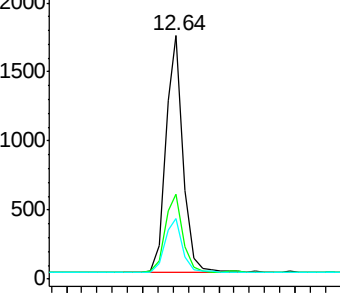


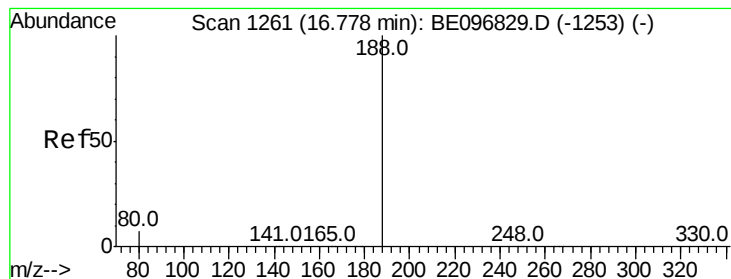
#15
 2-Fluorobiphenyl
 Concen: 0.109 ng
 RT: 12.64 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BE096924.D
 Acq: 14 Jul 2018 4:26

Tgt Ion:172 Resp: 2732
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.9 44.9
 170 25.0 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. -0.00 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

Instrument :

BNA_E

ClientSampled :

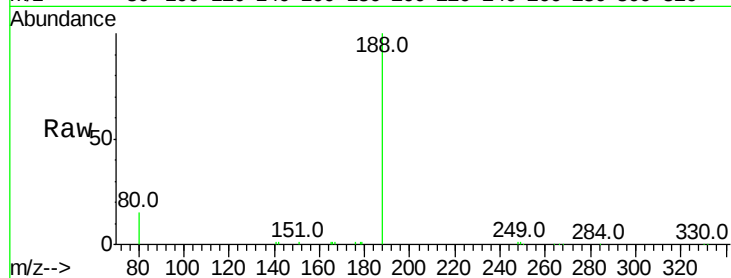
Tot Ion:188 Resp: 16569

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

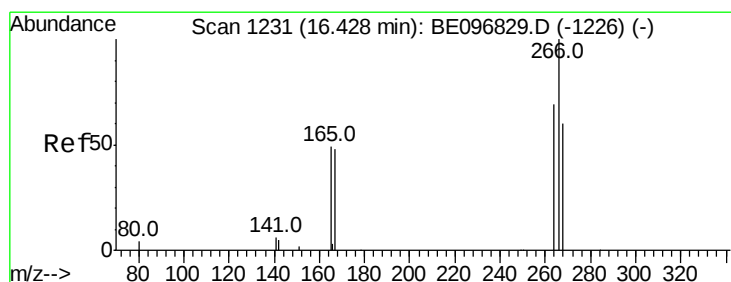
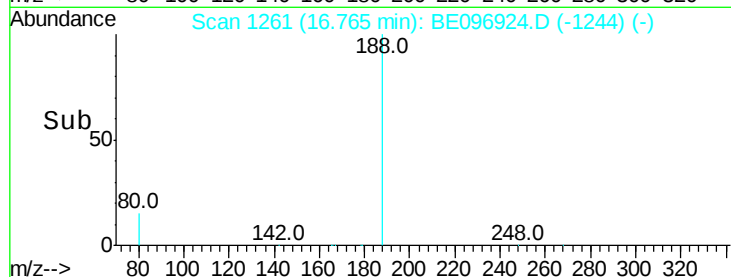
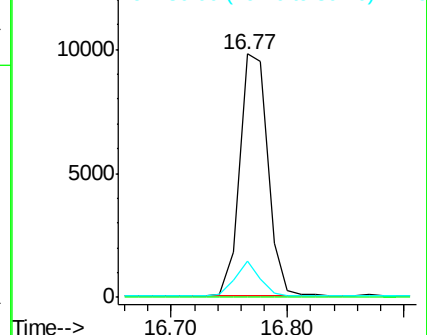
80 15.1 3.6 5.4#



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: 0.038 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

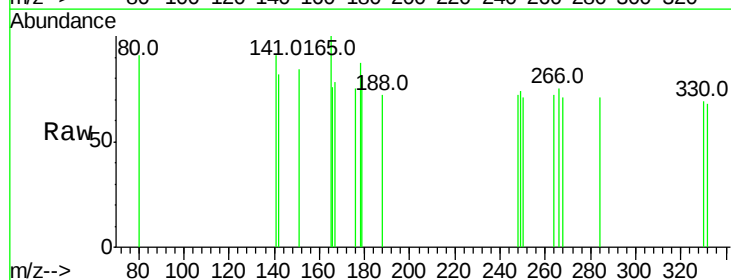
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 96.1 72.5 108.7

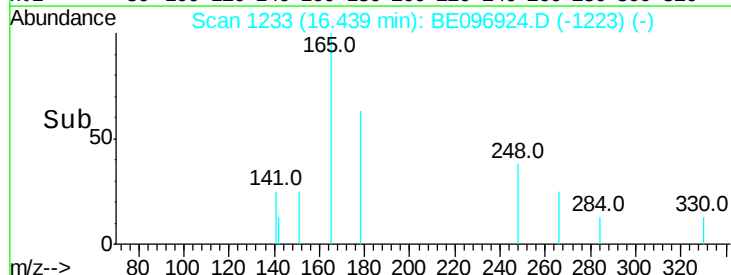
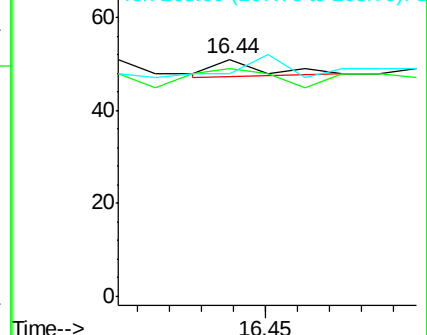
268 94.1 73.8 110.6

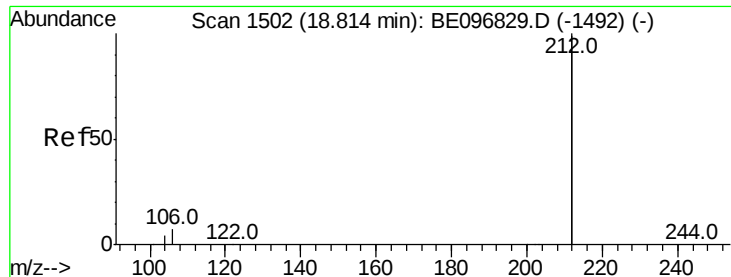


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.089 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

Instrument :

BNA_E

ClientSampleId :

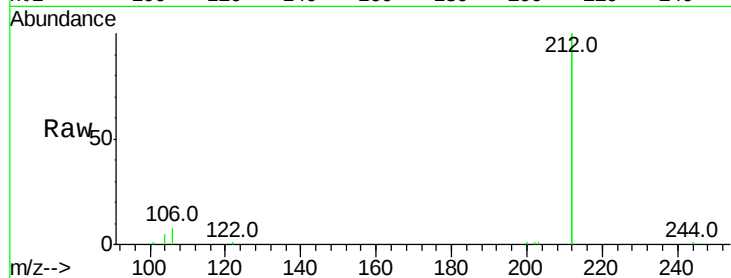
Tot Ion:212 Resp: 12912

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

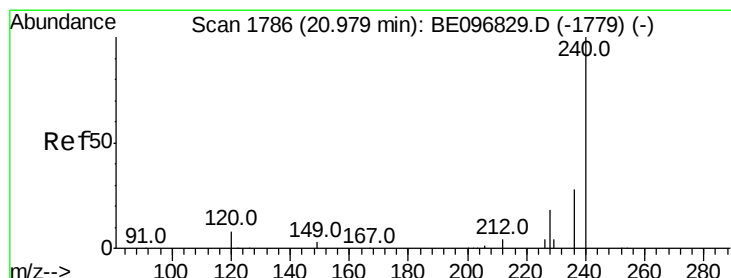
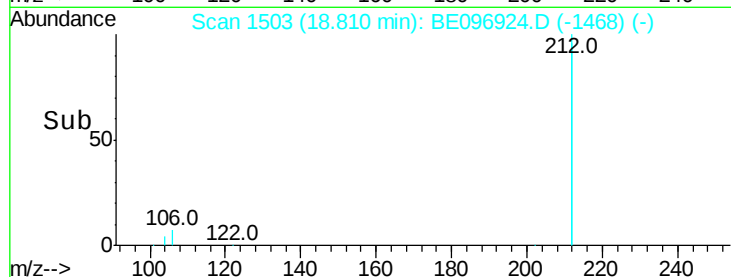
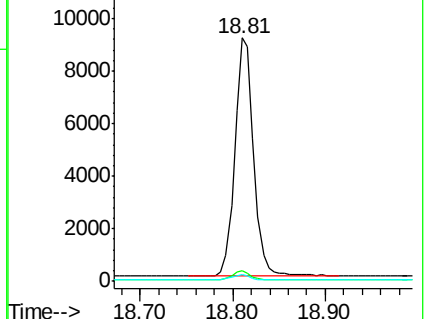
104 2.0 1.6 2.4



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# 1788

Delta R.T. 0.00 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

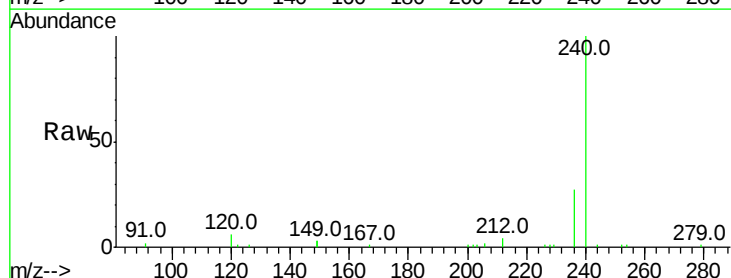
Tgt Ion:240 Resp: 13237

Ion Ratio Lower Upper

240 100

120 6.0 5.5 8.3

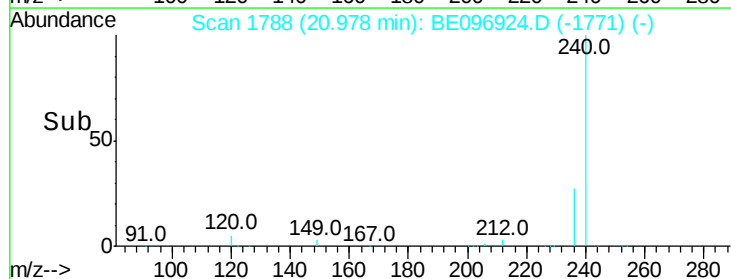
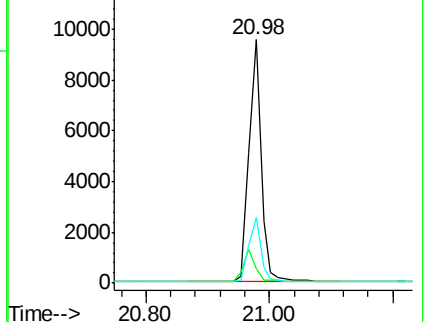
236 27.1 20.7 31.1

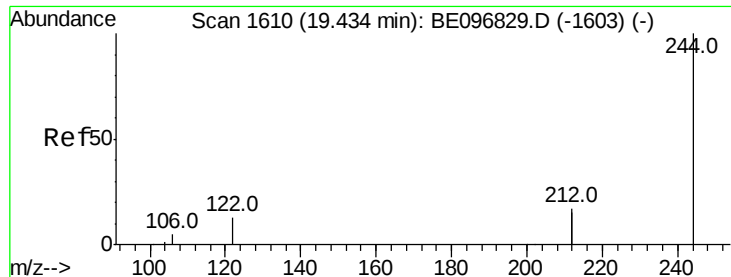


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.163 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

Instrument :

BNA_E

ClientSampleId :

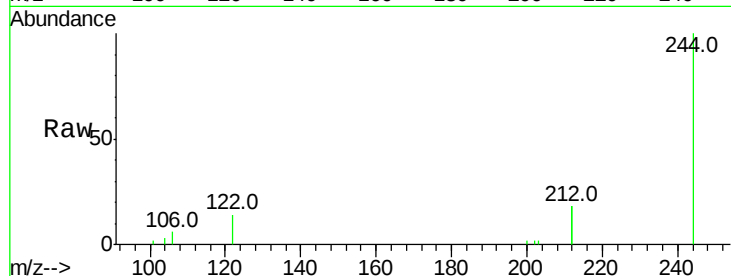
Tot Ion:244 Resp: 4176

Ion Ratio Lower Upper

244 100

212 36.9 25.4 38.0

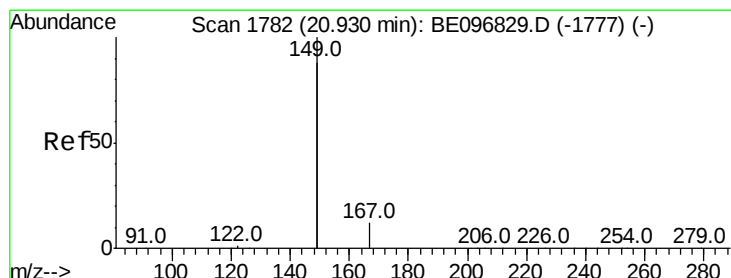
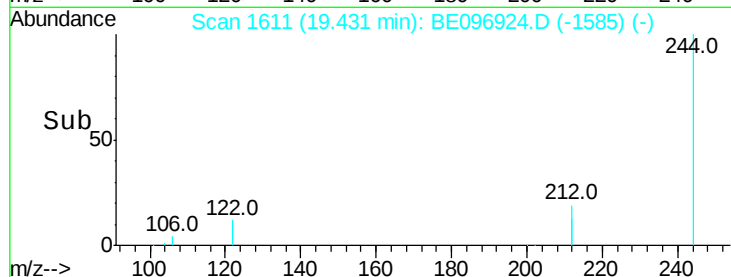
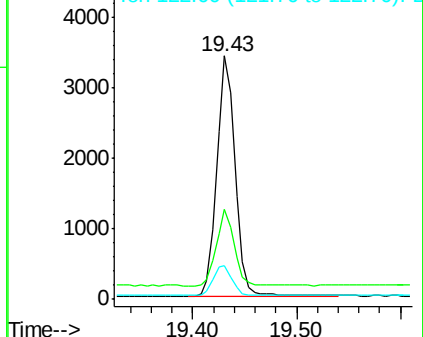
122 13.7 8.1 12.1#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.109 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

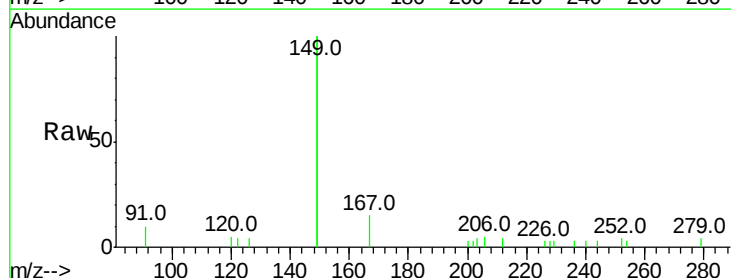
Tgt Ion:149 Resp: 2860

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

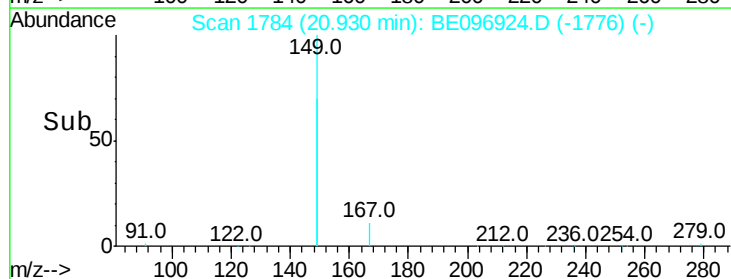
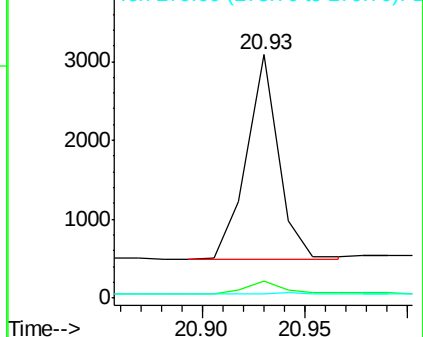
279 1.2 0.7 1.1#

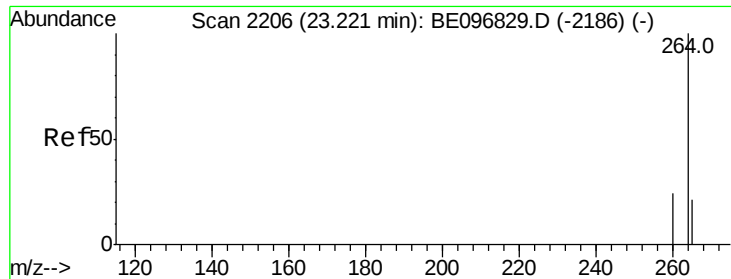


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

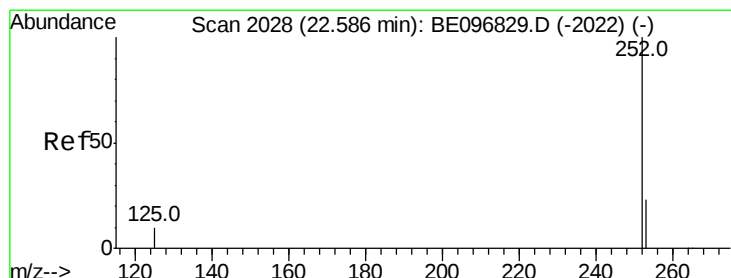
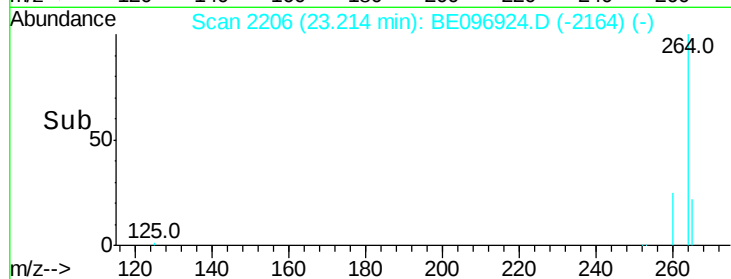
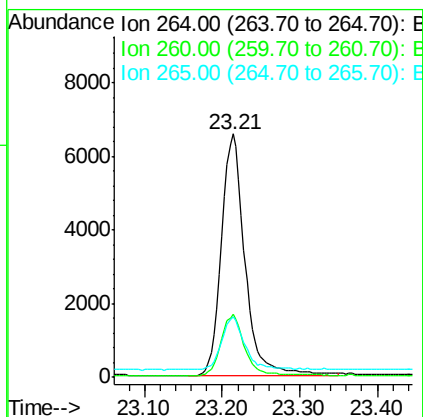
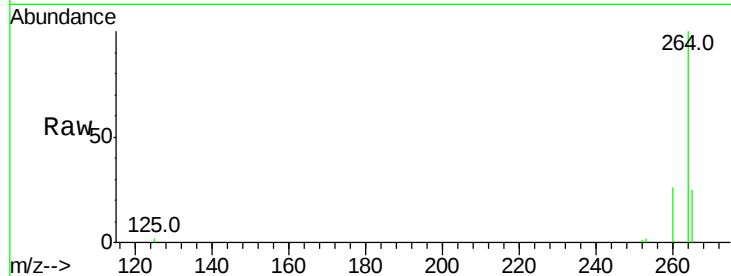




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE096924.D
Acq: 14 Jul 2018 4:26

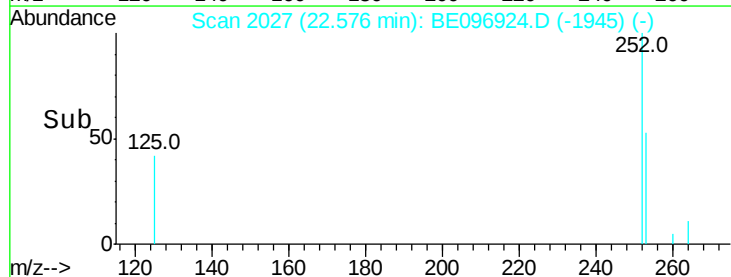
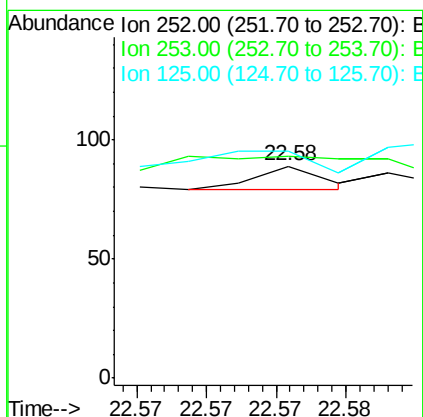
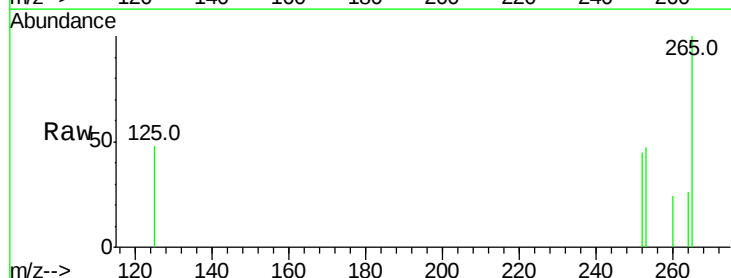
Instrument :
BNA_E
ClientSampleId :

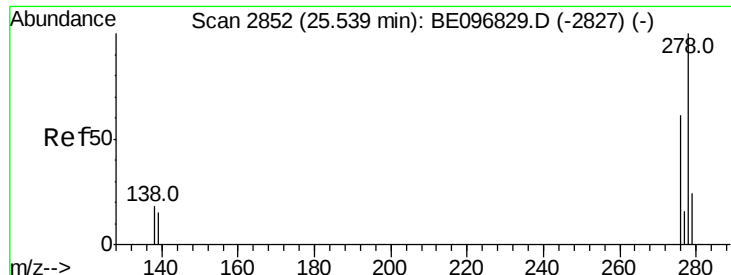
Tot Ion:264 Resp: 13888
Ion Ratio Lower Upper
264 100
260 26.0 20.5 30.7
265 25.0 22.8 34.2



#36
Benzo(k)fluoranthene
Concen: 0.083 ng
RT: 22.58 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BE096924.D
Acq: 14 Jul 2018 4:26

Tgt Ion:252 Resp: 3
Ion Ratio Lower Upper
252 100
253 104.5 16.0 24.0#
125 106.7 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.109 ng

RT: 25.54 min Scan# 2855

Delta R.T. 0.01 min

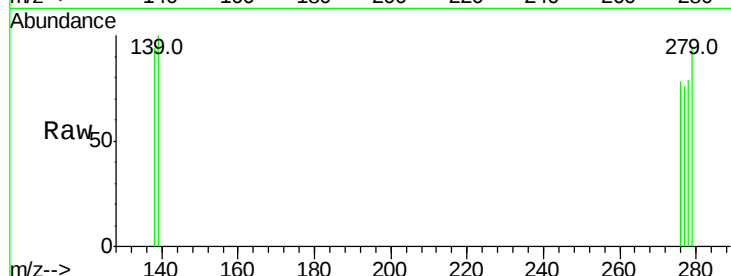
Lab File: BE096924.D

Acq: 14 Jul 2018 4:26

Instrument :

BNA_E

ClientSampleId :



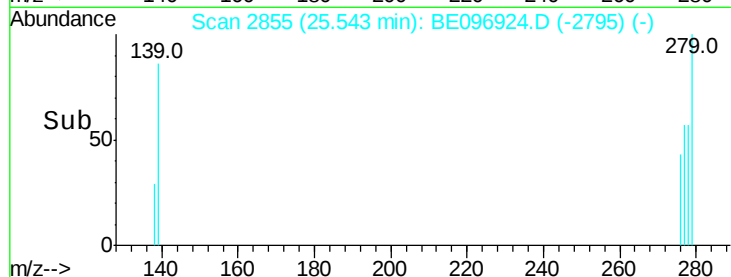
Tot Ion: 278 Resp: 2

Ion Ratio Lower Upper

278 100

139 126.4 16.0 24.0#

279 118.9 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->

25.53 25.54 25.55 25.56

25.54