

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096929.D
 Acq On : 14 Jul 2018 7:31
 Operator : SJ/JU
 Sample : J3170-08DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 16 00:18:49 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	2215	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	11684	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6519	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	15711	0.40	ng	0.01
27) Chrysene-d12	20.98	240	12863	0.40	ng	0.00
34) Perylene-d12	23.22	264	12554	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	191	0.04	ng	0.00
5) Phenol-d6	6.59	99	182	0.02	ng	0.00
8) Nitrobenzene-d5	8.53	82	746	0.11	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	1472	0.09	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	120	0.22	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	2648	0.11	ng	0.00
25) Fluoranthene-d10	18.81	212	12247	0.09	ng	0.00
29) Terphenyl-d14	19.43	244	3142	0.13	ng	0.00

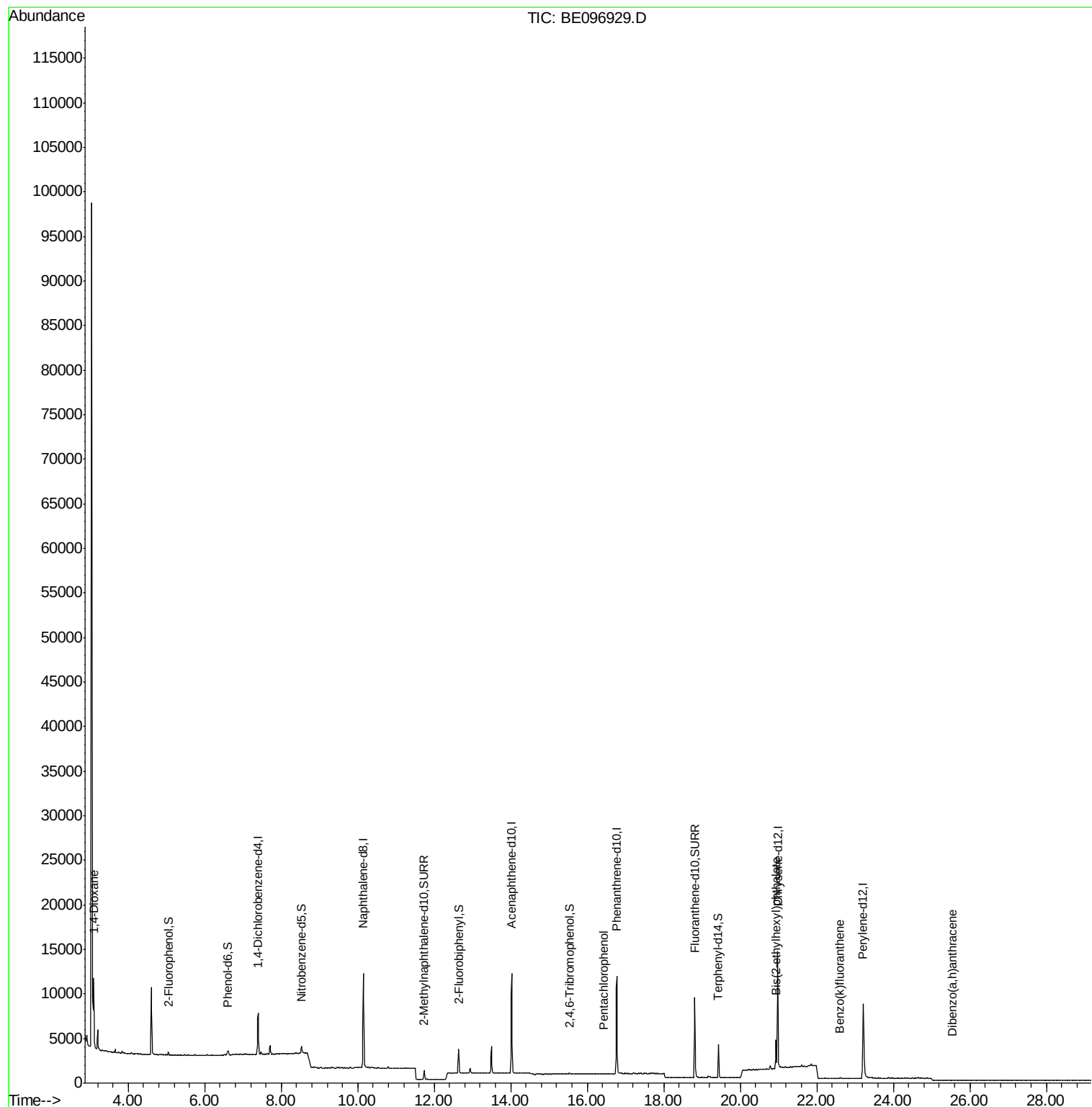
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	3572	1.076	ng	# 89
22) Pentachlorophenol	16.44	266	6	0.040	ng	94
32) Bis(2-ethylhexyl)phthalate	20.93	149	3474	0.136	ng	100
36) Benzo(k)fluoranthene	22.59	252	27	0.084	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	1	0.109	ng	# 1

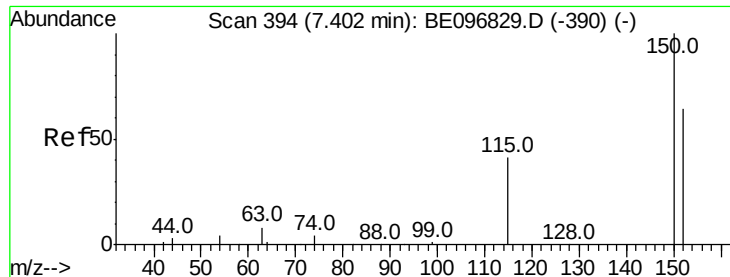
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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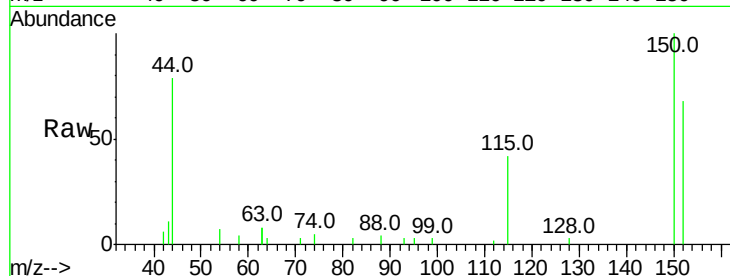


#1

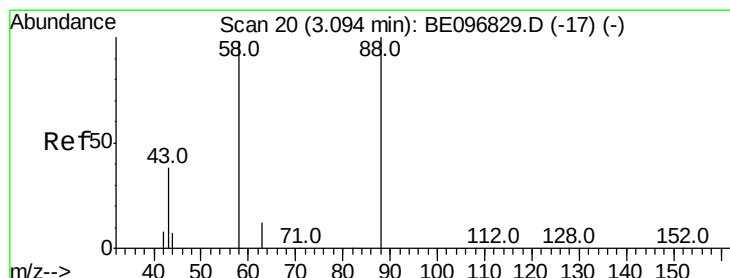
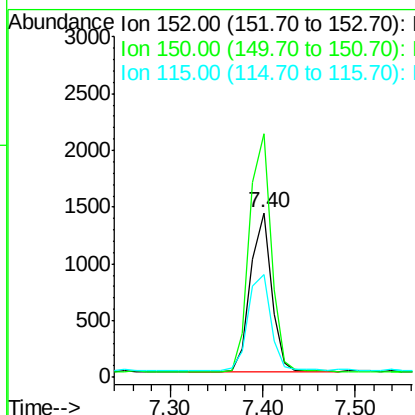
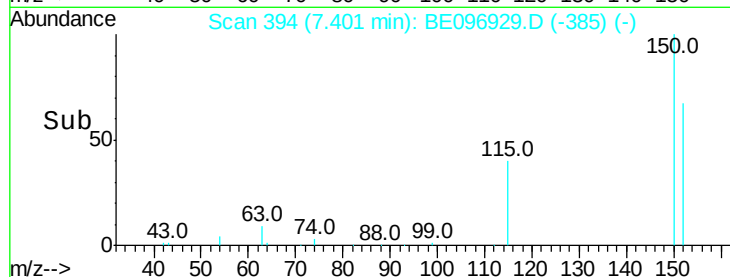
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.01 min
Lab File: BE096929.D
Acq: 14 Jul 2018 7:31

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 2215
Ion Ratio Lower Upper
152 100
150 147.9 117.2 175.8
115 62.9 57.0 85.6



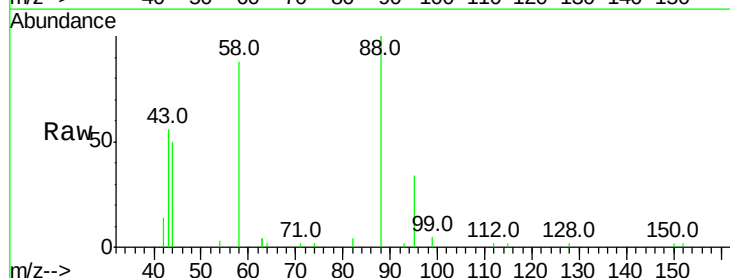
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



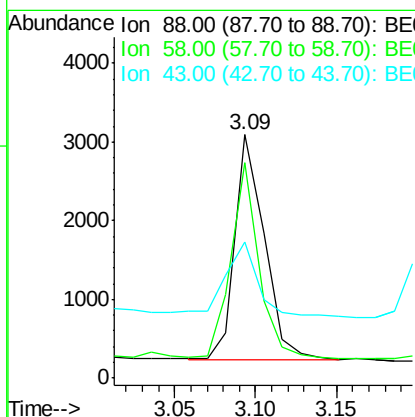
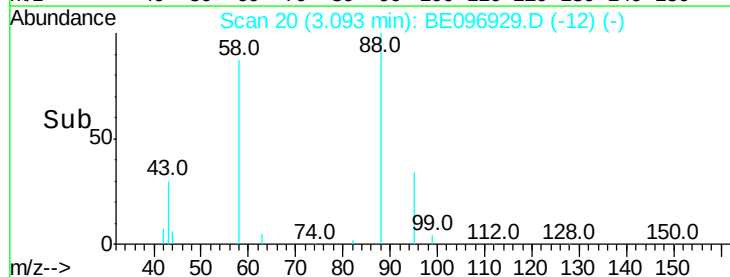
#2

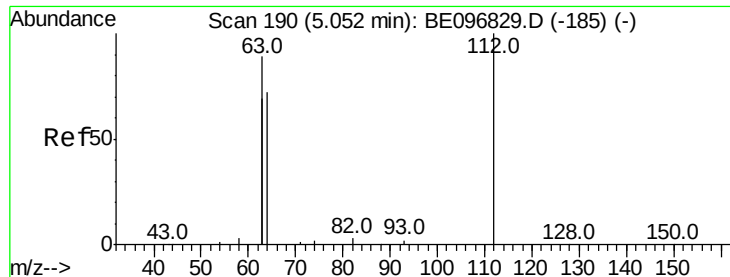
1,4-Dioxane
Concen: 1.076 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096929.D
Acq: 14 Jul 2018 7:31

Tgt Ion: 88 Resp: 3572
Ion Ratio Lower Upper
88 100
58 81.9 63.2 94.8
43 36.0 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: 0.039 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

Instrument :

BNA_E

ClientSampled :

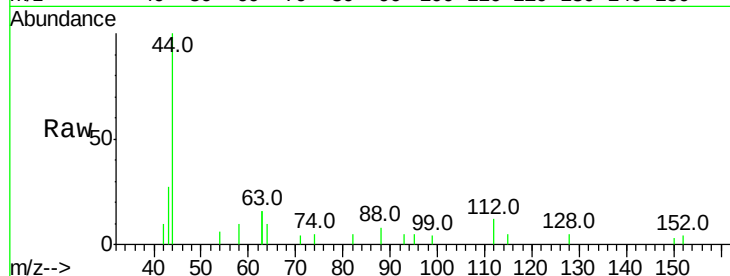
Tot Ion:112 Resp: 191

Ion Ratio Lower Upper

112 100

64 81.7 60.1 90.1

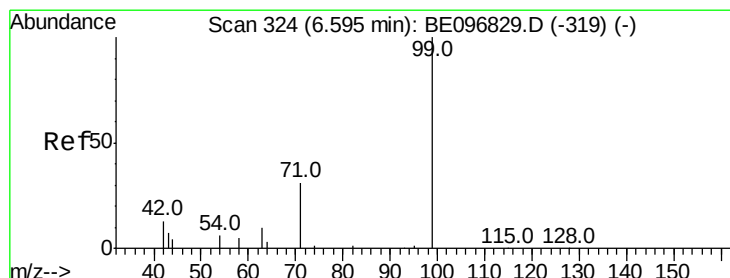
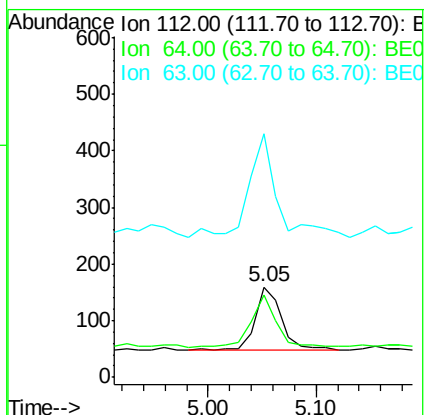
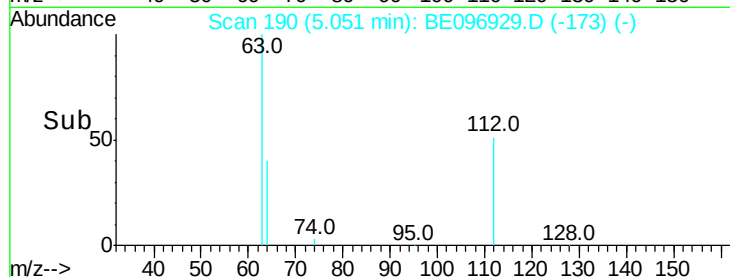
63 169.6 116.8 175.2



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

Phenol-d6

Concen: 0.025 ng

RT: 6.59 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

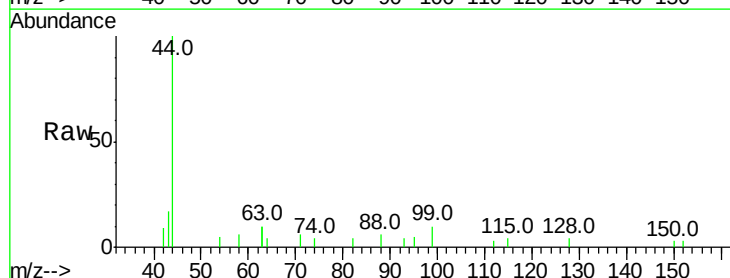
Tgt Ion: 99 Resp: 182

Ion Ratio Lower Upper

99 100

42 63.2 20.2 30.2#

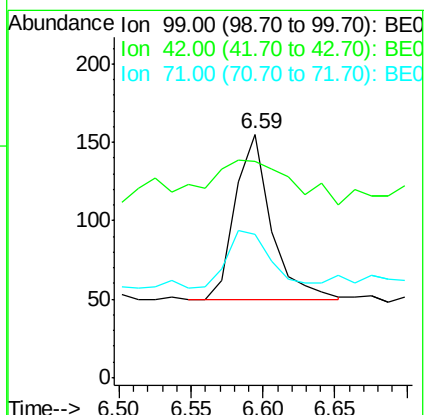
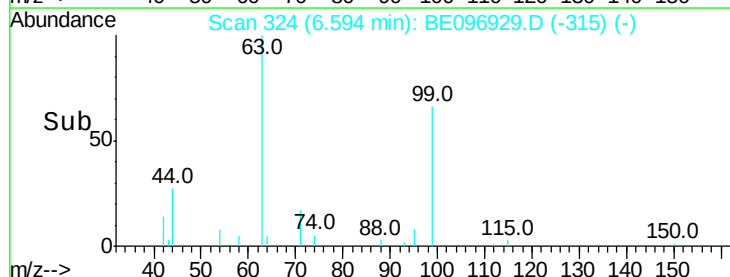
71 41.8 28.4 42.6

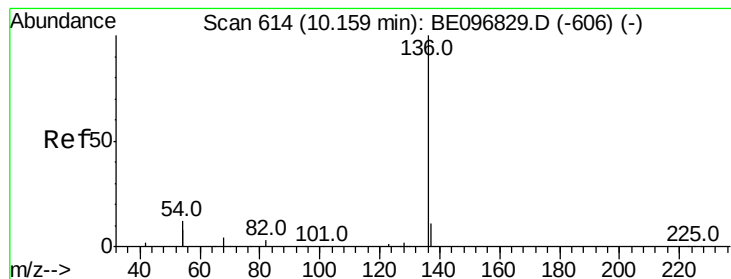


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 11684

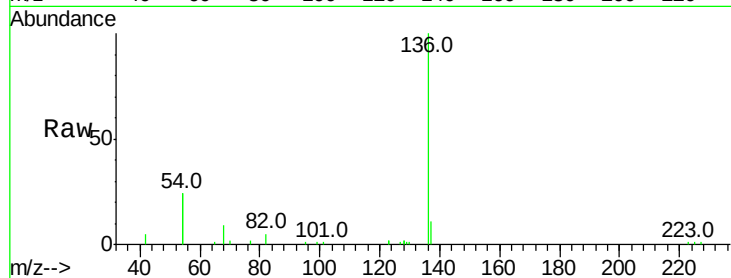
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 47.3 29.1 43.7#

68 8.9 6.2 9.2

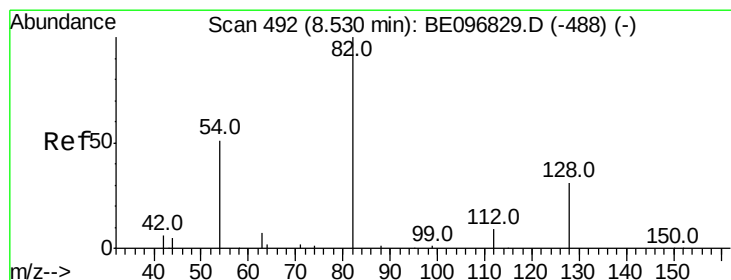
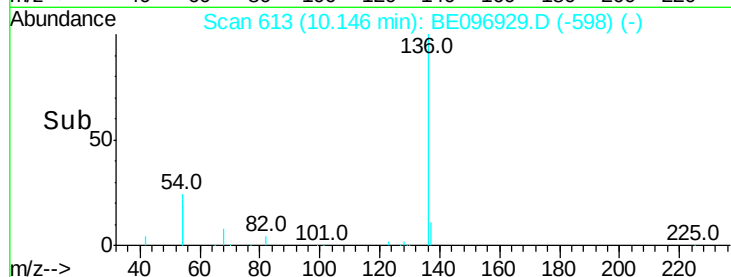
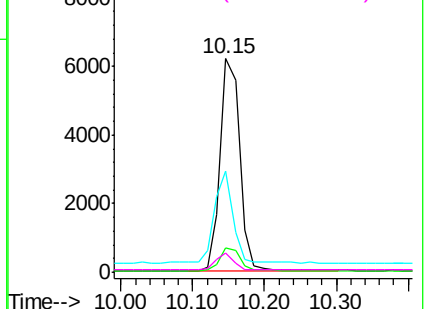


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.105 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

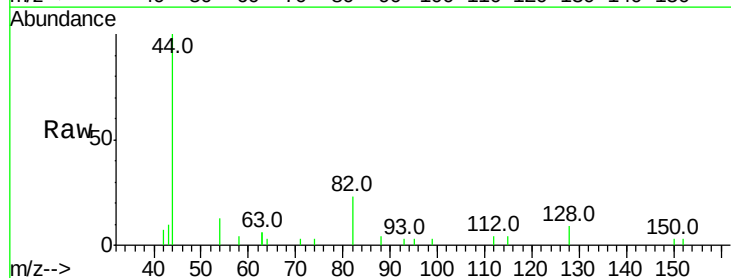
Tgt Ion: 82 Resp: 746

Ion Ratio Lower Upper

82 100

128 39.8 24.0 36.0#

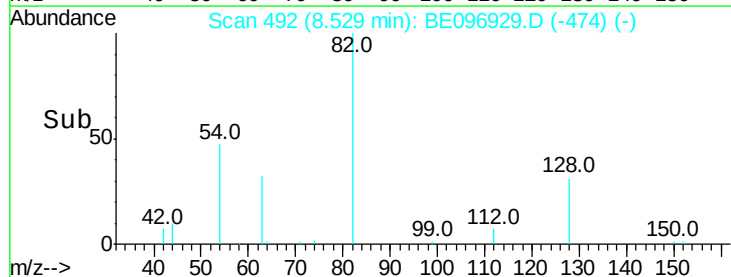
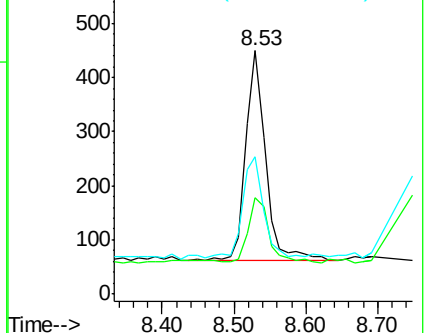
54 56.2 40.0 60.0

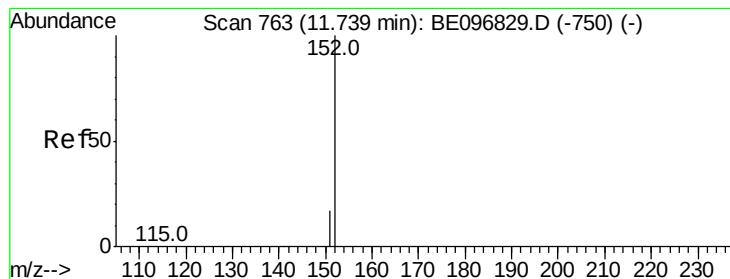


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

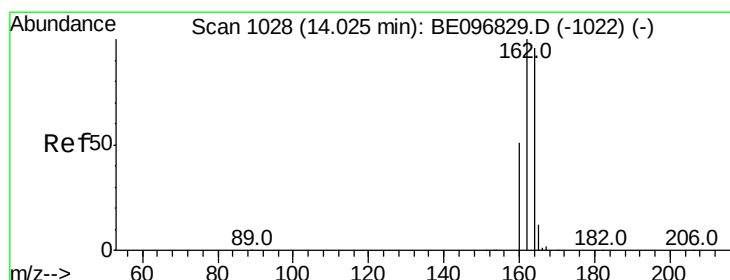
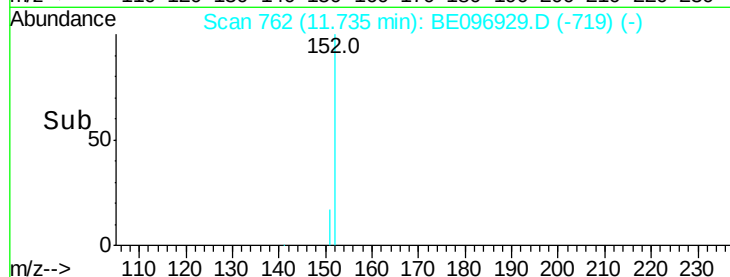
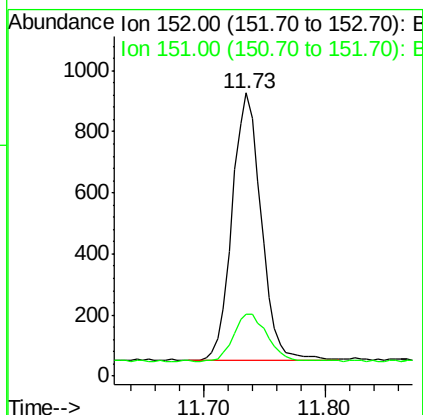
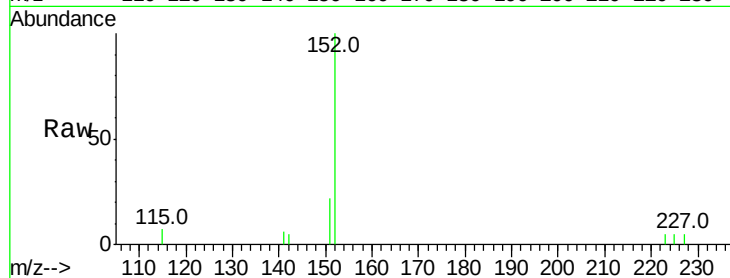




#11
 2-Methylnaphthalene-d10
 Concen: 0.088 ng
 RT: 11.73 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE096929.D
 Acq: 14 Jul 2018 7:31

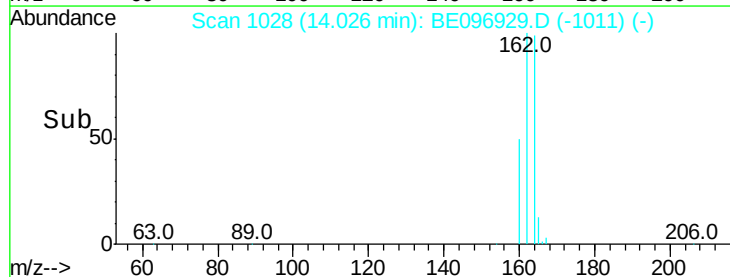
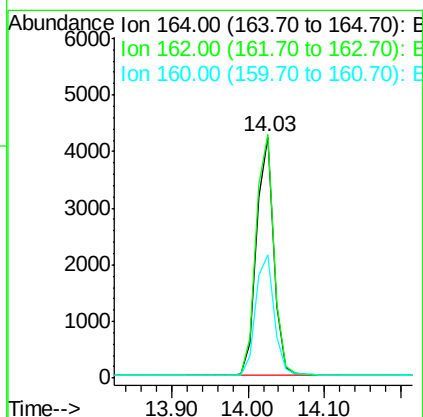
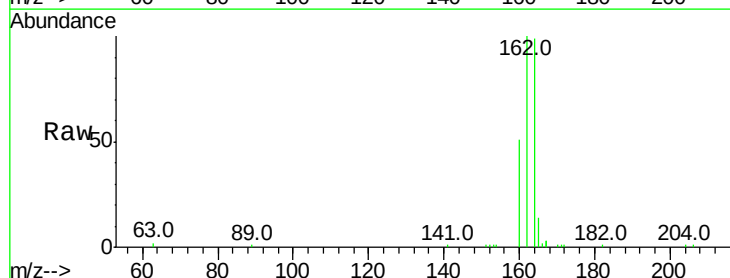
Instrument :
 BNA_E
 ClientSampleId :

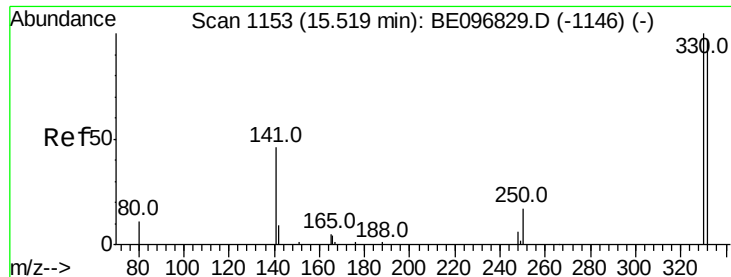
Tot Ion:152 Resp: 1472
 Ion Ratio Lower Upper
 152 100
 151 20.1 15.4 23.0



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.03 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BE096929.D
 Acq: 14 Jul 2018 7:31

Tgt Ion:164 Resp: 6519
 Ion Ratio Lower Upper
 164 100
 162 100.9 83.1 124.7
 160 51.3 37.1 55.7





#14

2,4,6-Tribromophenol

Concen: 0.218 ng

RT: 15.53 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

Instrument :

BNA_E

ClientSampled :

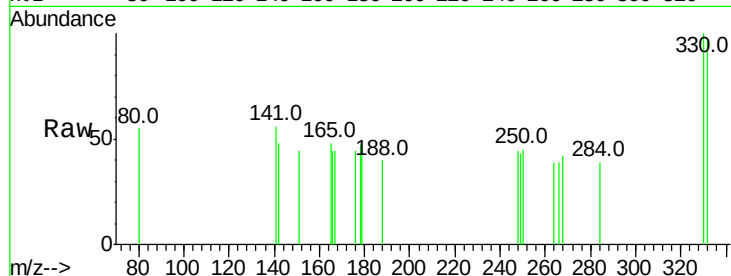
Tot Ion:330 Resp: 120

Ion Ratio Lower Upper

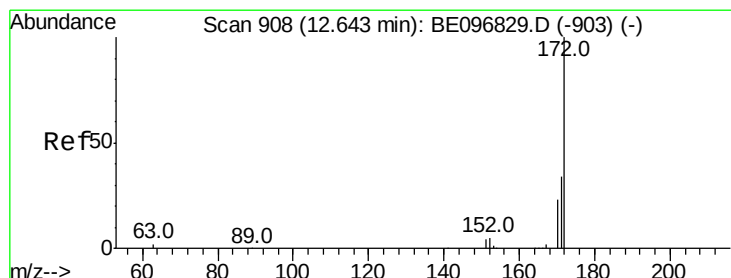
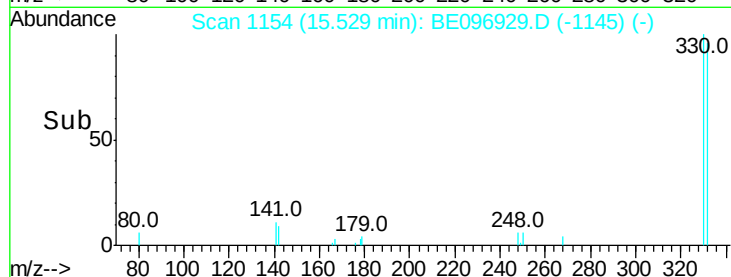
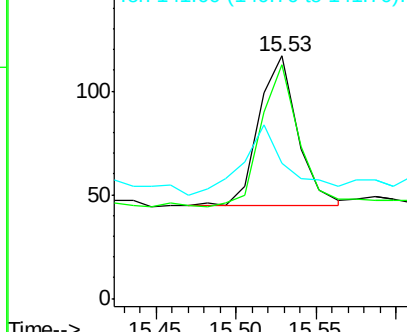
330 100

332 95.8 152.7 229.1#

141 55.0 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: 0.111 ng

RT: 12.64 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

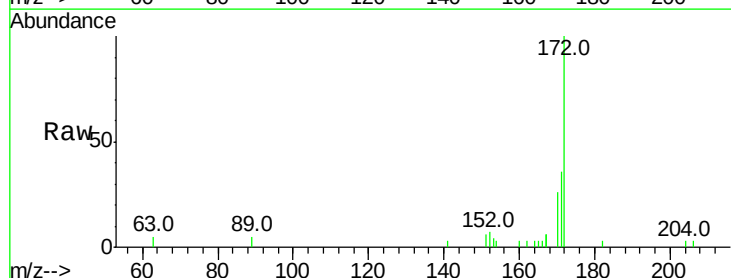
Tgt Ion:172 Resp: 2648

Ion Ratio Lower Upper

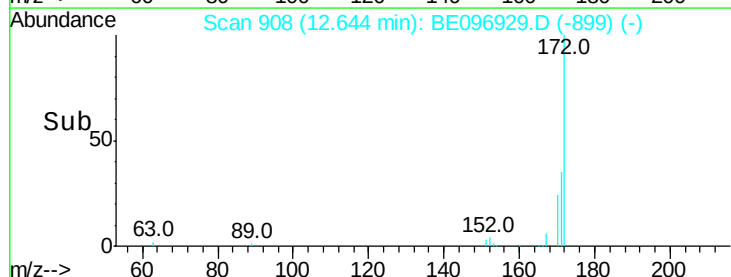
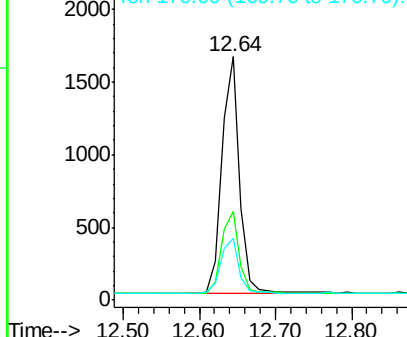
172 100

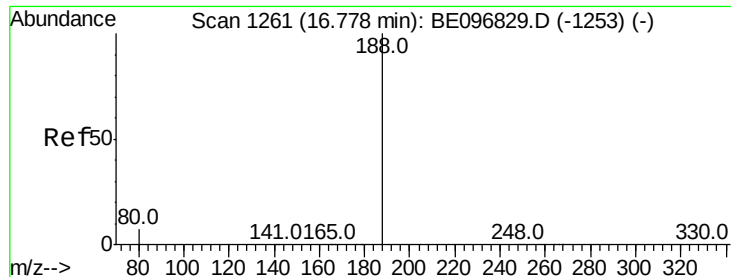
171 36.5 29.9 44.9

170 25.7 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: 16.78 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

Instrument :

BNA_E

ClientSampleId :

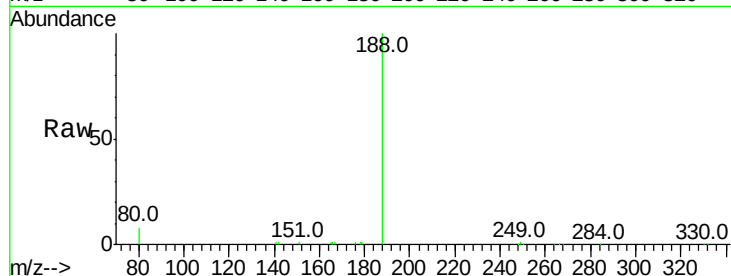
Tot Ion:188 Resp: 15711

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

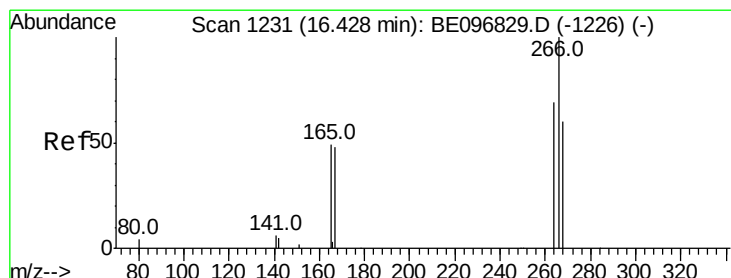
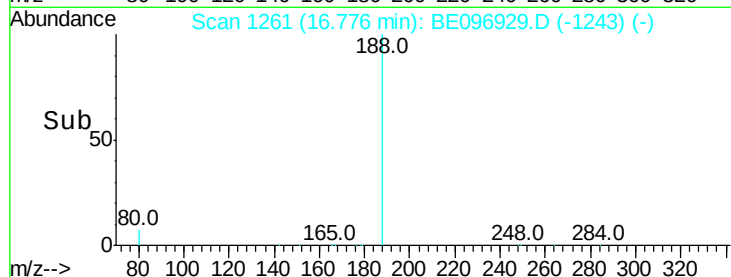
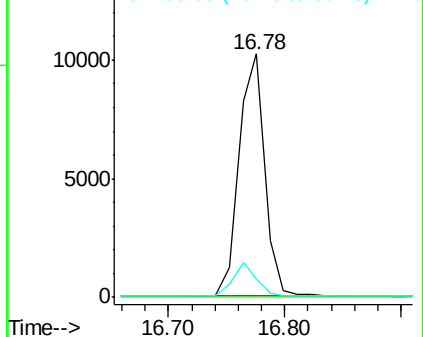
80 7.7 3.6 5.4#



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: 0.040 ng

RT: 16.44 min Scan# 1232

Delta R.T. 0.01 min

Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

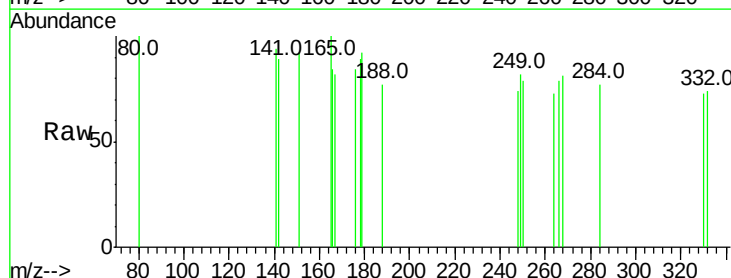
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 91.8 72.5 108.7

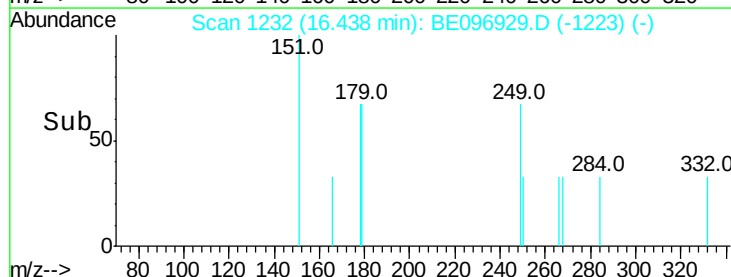
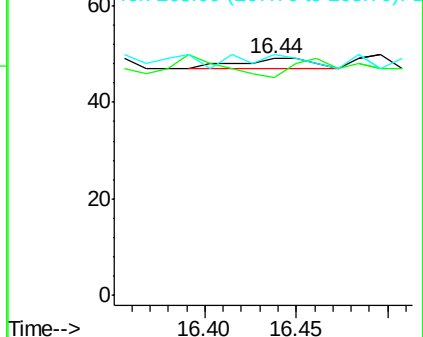
268 102.0 73.8 110.6

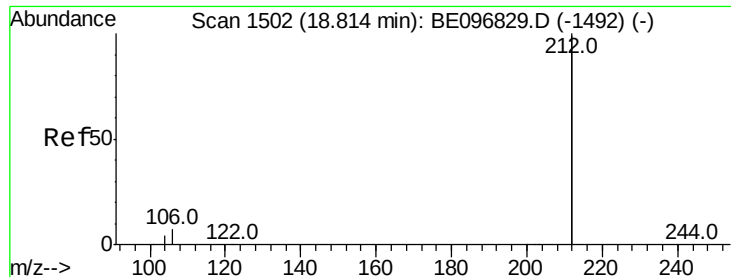


Abundance Ion 266.00 (265.70 to 266.70): E

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: BE096929.D

Acq: 14 Jul 2018 7:31

Instrument :

BNA_E

ClientSampleId :

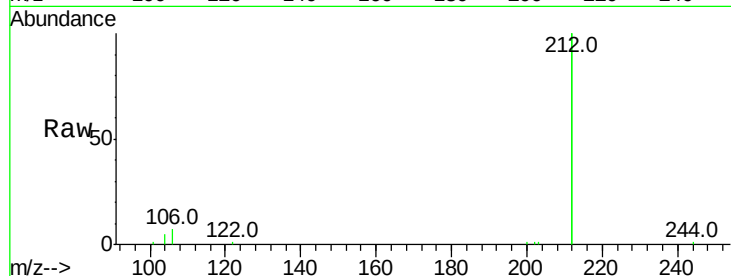
Tot Ion:212 Resp: 12247

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

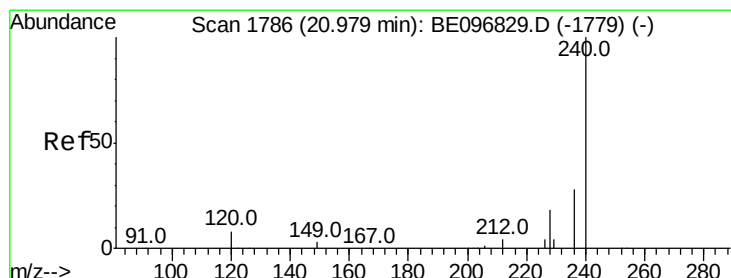
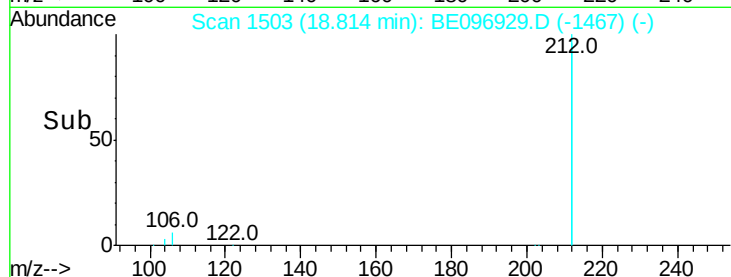
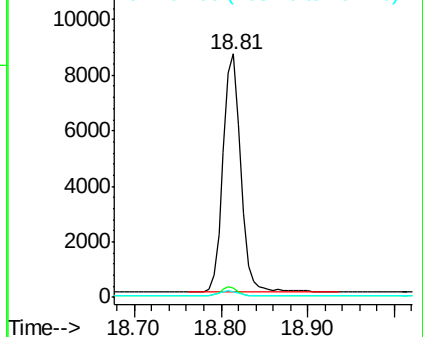
104 2.0 1.6 2.4



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# 1787

Delta R.T. 0.00 min

Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

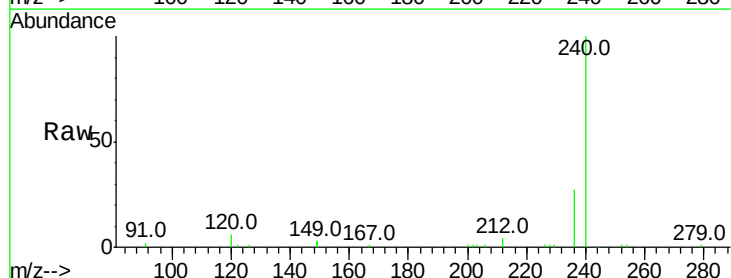
Tgt Ion:240 Resp: 12863

Ion Ratio Lower Upper

240 100

120 6.1 5.5 8.3

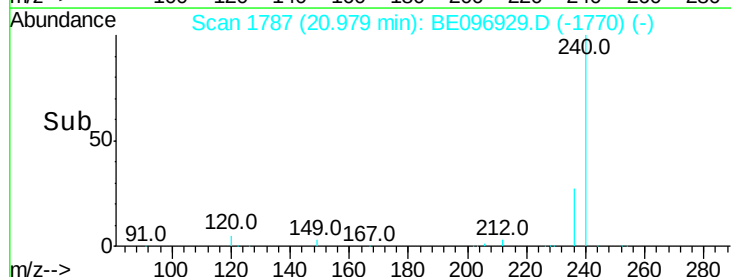
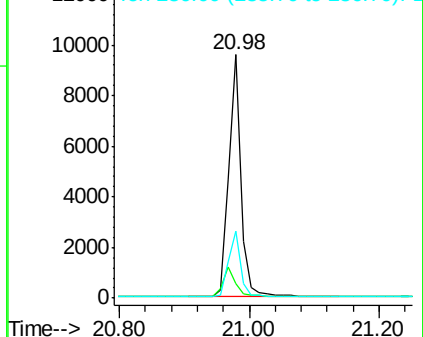
236 27.4 20.7 31.1

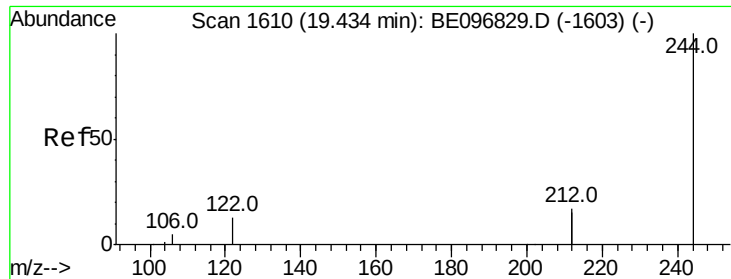


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.127 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

Instrument :

BNA_E

ClientSampleId :

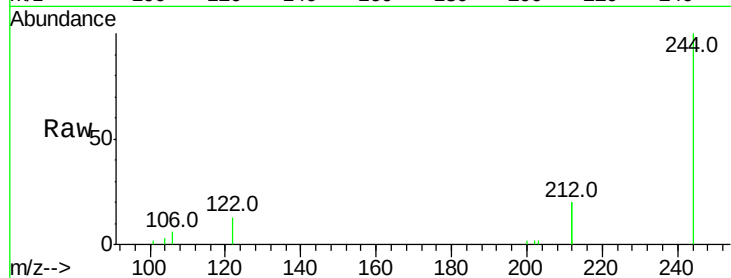
Tot Ion:244 Resp: 3142

Ion Ratio Lower Upper

244 100

212 39.4 25.4 38.0#

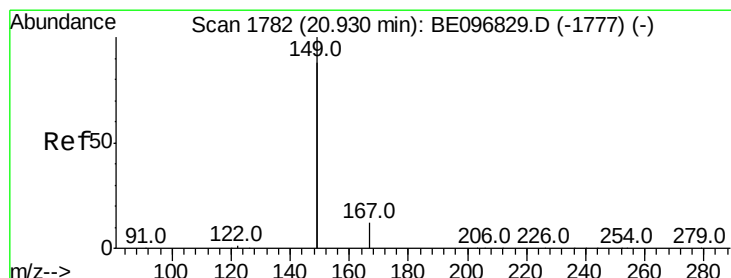
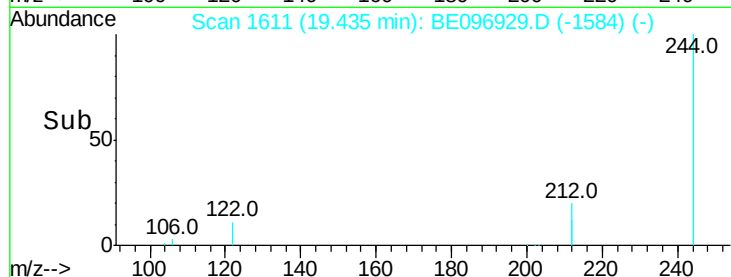
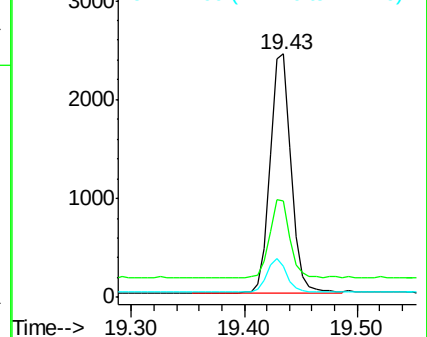
122 12.8 8.1 12.1#



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: 0.136 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

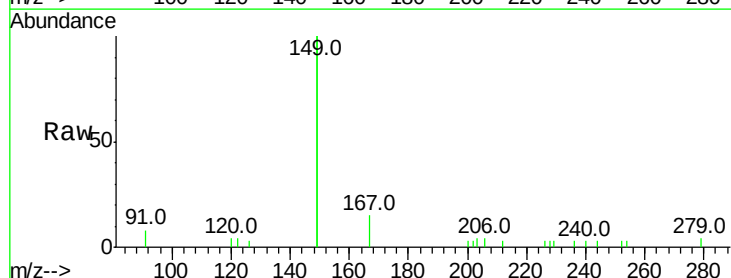
Tgt Ion:149 Resp: 3474

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

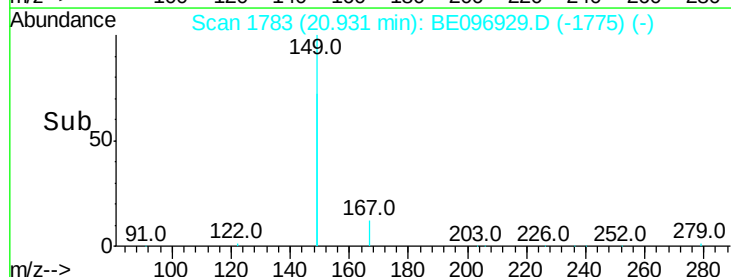
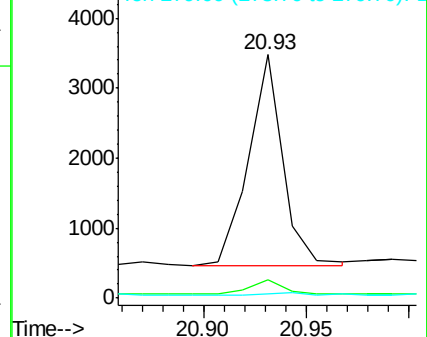
279 0.9 0.7 1.1

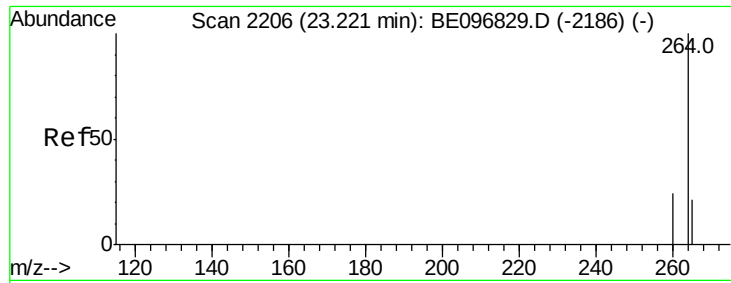


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

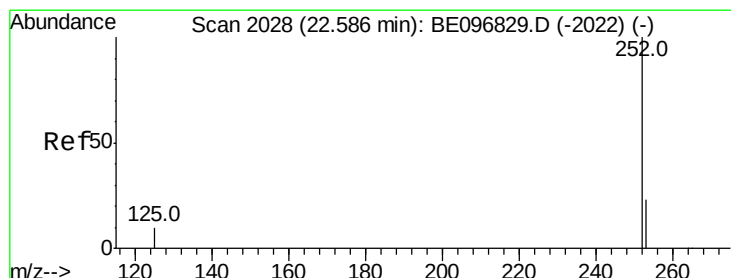
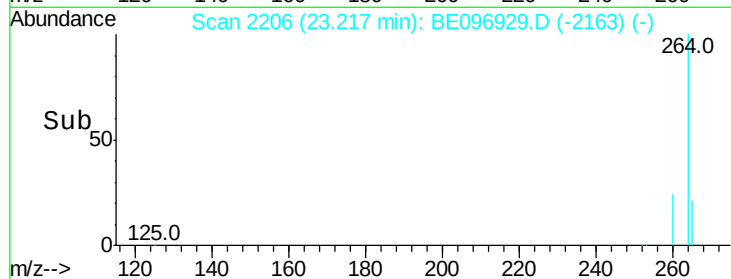
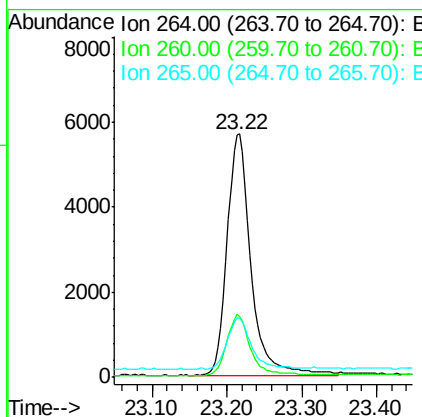
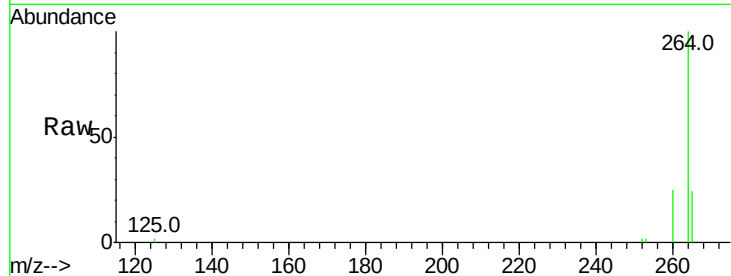




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.22 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE096929.D
 Acq: 14 Jul 2018 7:31

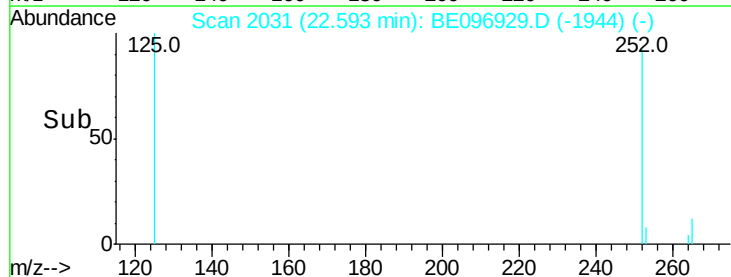
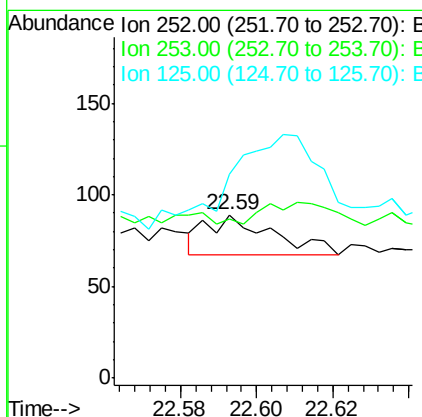
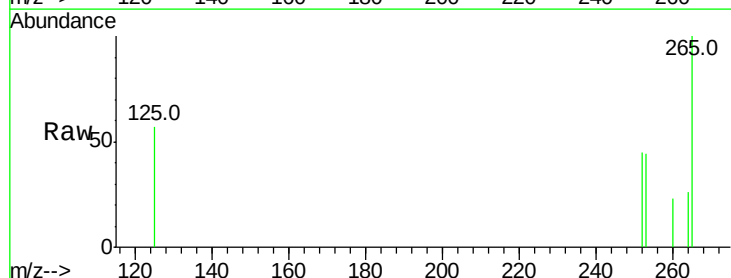
Instrument :
 BNA_E
 ClientSampleId :

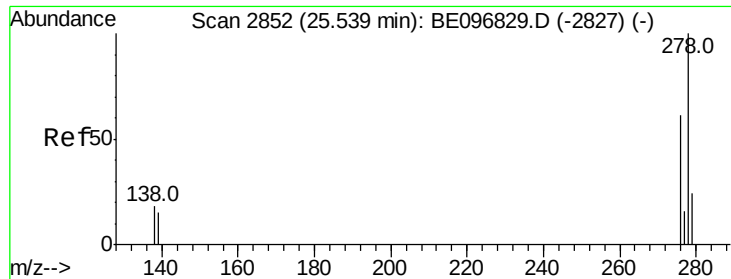
Tot Ion:264 Resp: 12554
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.5 30.7
 265 24.2 22.8 34.2



#36
 Benzo(k)fluoranthene
 Concen: 0.084 ng
 RT: 22.59 min Scan# 2031
 Delta R.T. 0.01 min
 Lab File: BE096929.D
 Acq: 14 Jul 2018 7:31

Tgt Ion:252 Resp: 27
 Ion Ratio Lower Upper
 252 100
 253 97.8 16.0 24.0#
 125 124.7 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.109 ng

RT: 25.53 min Scan# 2850

Delta R.T. -0.00 min

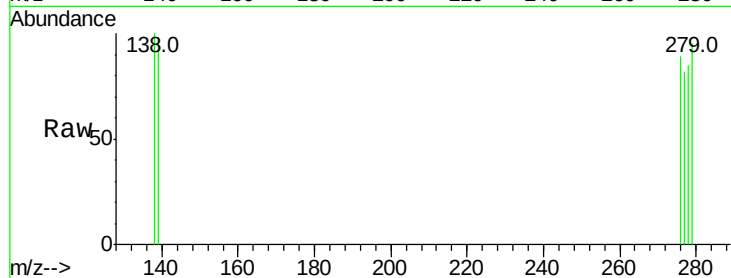
Lab File: BE096929.D

Acq: 14 Jul 2018 7:31

Instrument :

BNA_E

ClientSampleId :



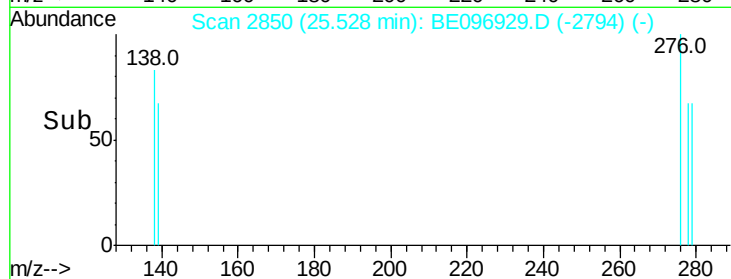
Tot Ion:278 Resp: 1

Ion Ratio Lower Upper

278 100

139 115.4 16.0 24.0#

279 111.5 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

