

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096906.D
 Acq On : 13 Jul 2018 14:47
 Operator : SJ/JU
 Sample : J3170-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE131D3-071018

Quant Time: Jul 13 17:04:18 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	2349	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	11665	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6783	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	17946	0.40	ng	0.01
27) Chrysene-d12	20.98	240	16145	0.40	ng	0.00
34) Perylene-d12	23.21	264	15829	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	495	0.09	ng	0.00
5) Phenol-d6	6.60	99	770	0.10	ng	0.00
8) Nitrobenzene-d5	8.53	82	3536	0.50	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	7774	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	449	0.35	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	13184	0.53	ng	0.00
25) Fluoranthene-d10	18.81	212	82309	0.52	ng	0.00
29) Terphenyl-d14	19.43	244	21007	0.67	ng	0.00

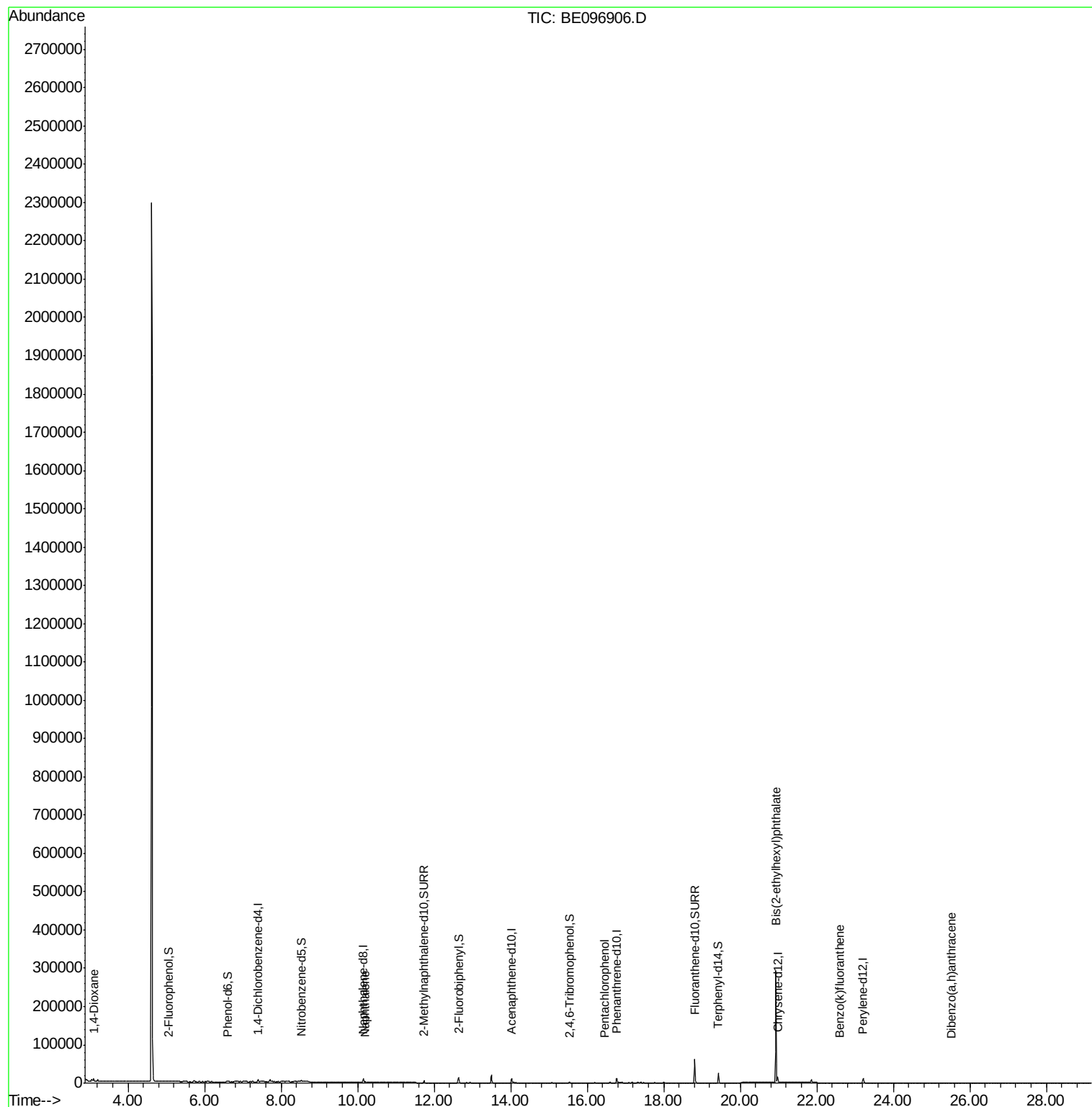
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	3903	1.109	ng	91
9) Naphthalene	10.20	128	3749	0.035	ng	# 95
22) Pentachlorophenol	16.45	266	22	0.051	ng	91
32) Bis(2-ethylhexyl)phthalate	20.93	149	286939	8.955	ng	100
36) Benzo(k)fluoranthene	22.59	252	75	0.085	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	21	0.110	ng	# 1

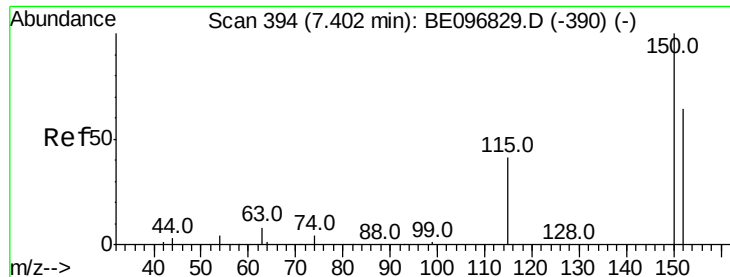
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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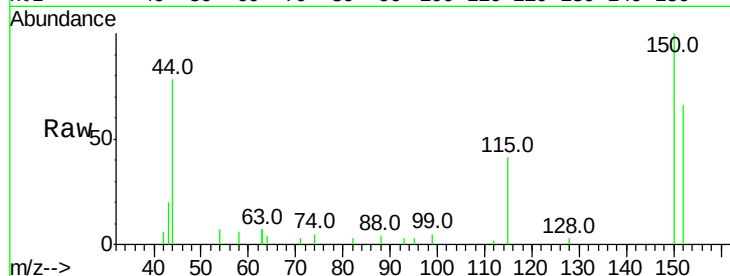


#1

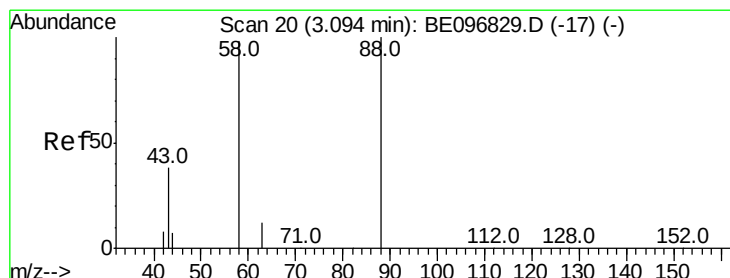
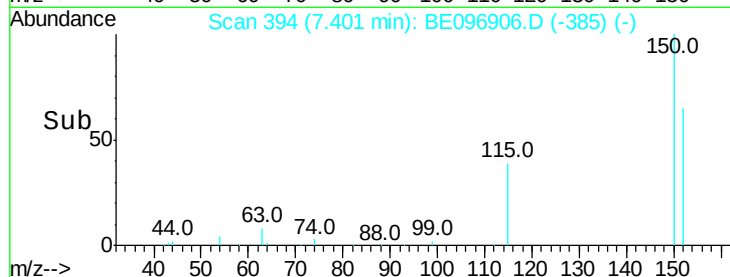
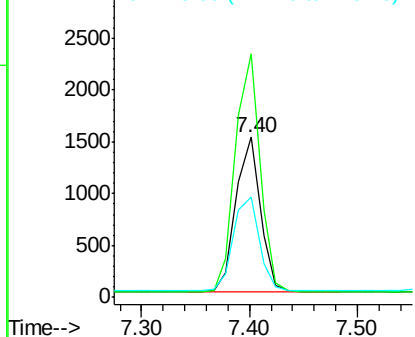
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.01 min
Lab File: BE096906.D
Acq: 13 Jul 2018 14:47

Instrument :
BNA_E
ClientSampleId :
RE131D3-071018

Tot Ion:152 Resp: 2349
Ion Ratio Lower Upper
152 100
150 152.2 117.2 175.8
115 62.4 57.0 85.6



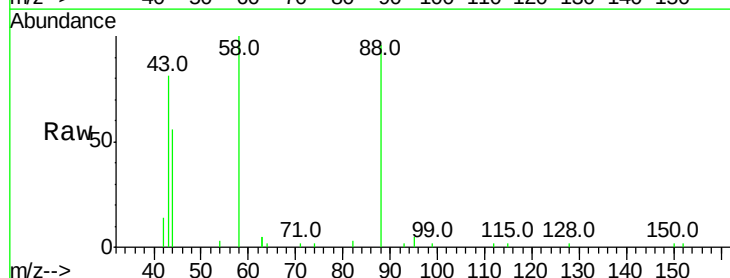
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



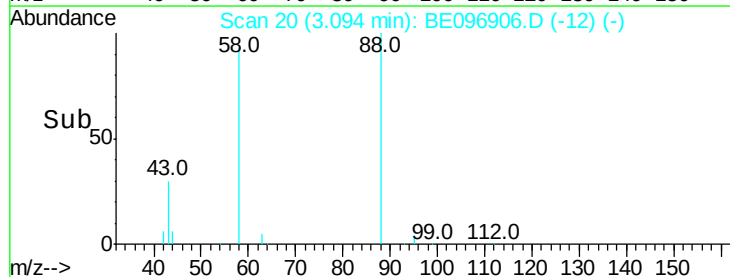
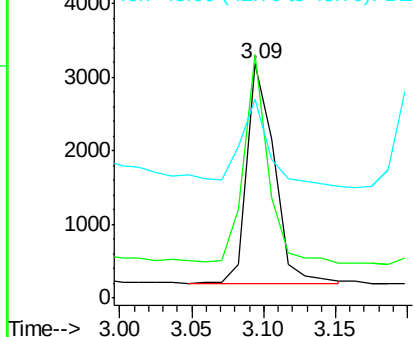
#2

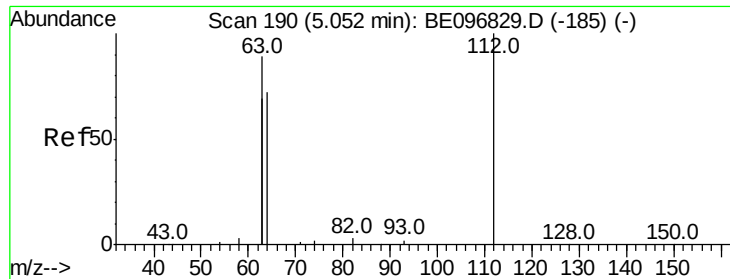
1,4-Dioxane
Concen: 1.109 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096906.D
Acq: 13 Jul 2018 14:47

Tgt Ion: 88 Resp: 3903
Ion Ratio Lower Upper
88 100
58 84.0 63.2 94.8
43 41.5 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: 0.094 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

Instrument :

BNA_E

ClientSampleId :

RE131D3-071018

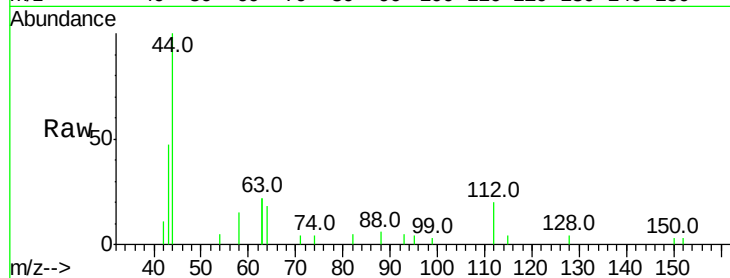
Tot Ion:112 Resp: 495

Ion Ratio Lower Upper

112 100

64 73.1 60.1 90.1

63 146.1 116.8 175.2



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

800

600

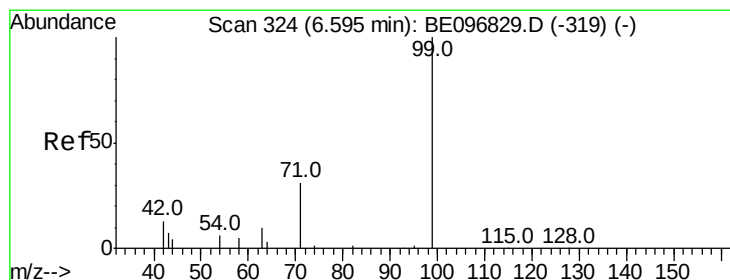
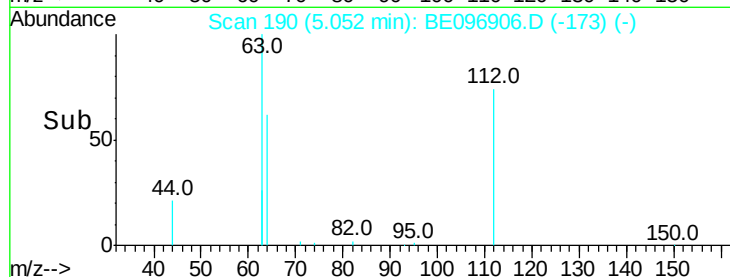
400

200

0

5.00 5.05 5.10 5.15

Time-->



#5

Phenol-d6

Concen: 0.098 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

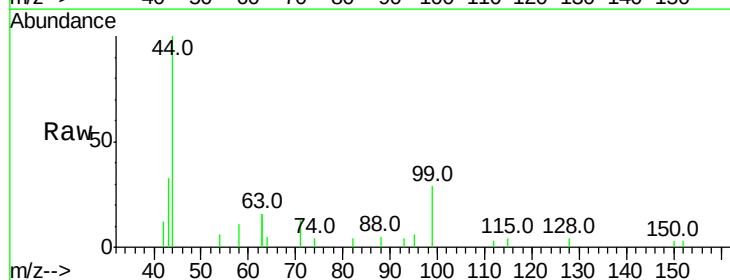
Tgt Ion: 99 Resp: 770

Ion Ratio Lower Upper

99 100

42 35.3 20.2 30.2#

71 45.5 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

600

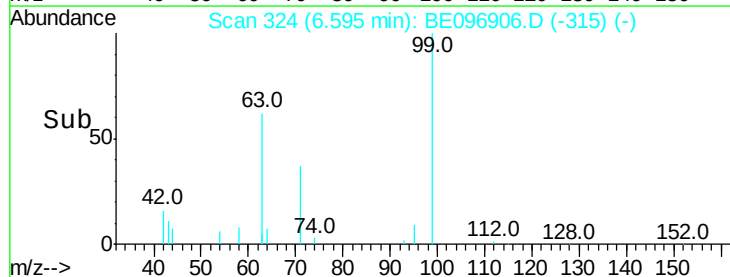
400

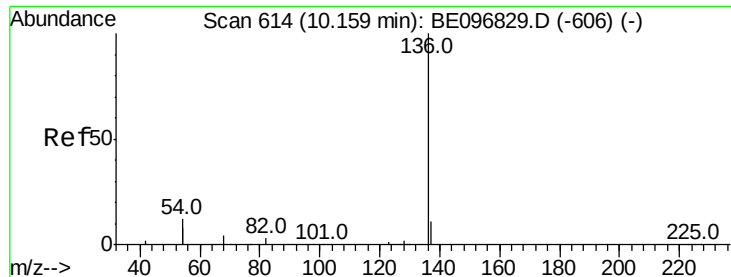
200

0

6.50 6.60 6.70

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

Instrument :

BNA_E

ClientSampleId :

RE131D3-071018

Tot Ion:136 Resp: 11665

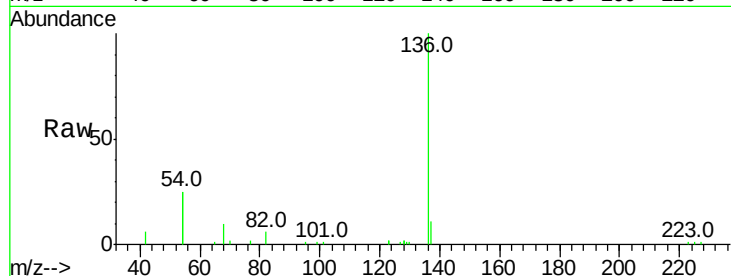
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 49.5 29.1 43.7#

68 9.6 6.2 9.2#

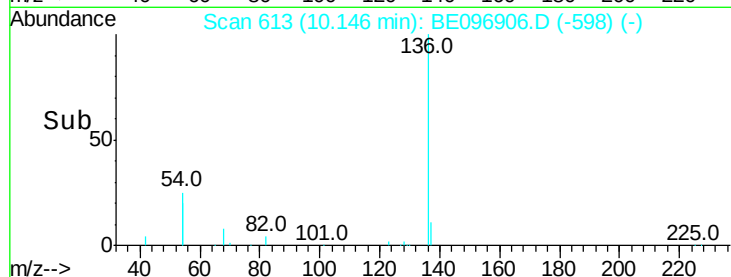


Abundance Ion 136.00 (135.70 to 136.70): E

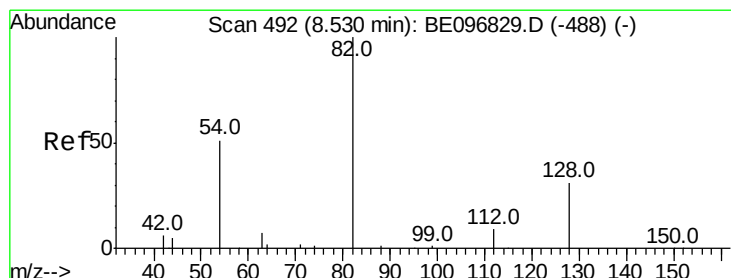
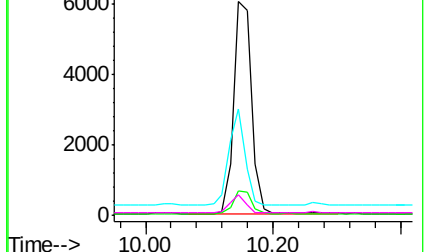
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.501 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

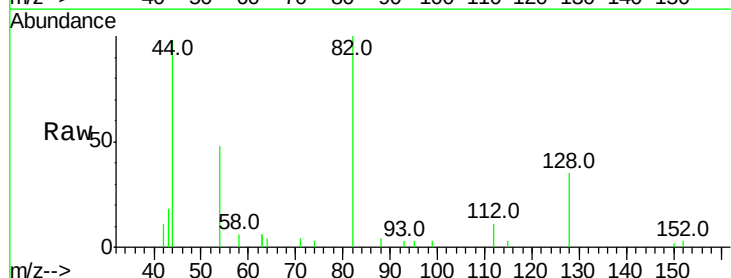
Tgt Ion: 82 Resp: 3536

Ion Ratio Lower Upper

82 100

128 35.2 24.0 36.0

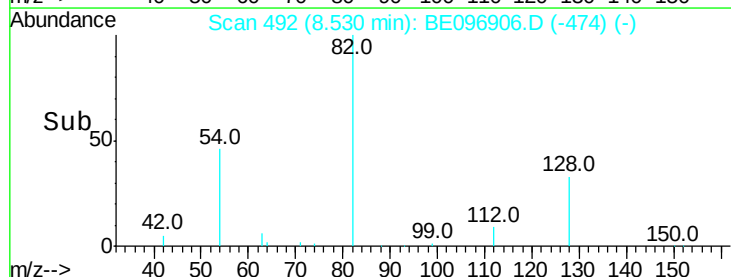
54 47.7 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

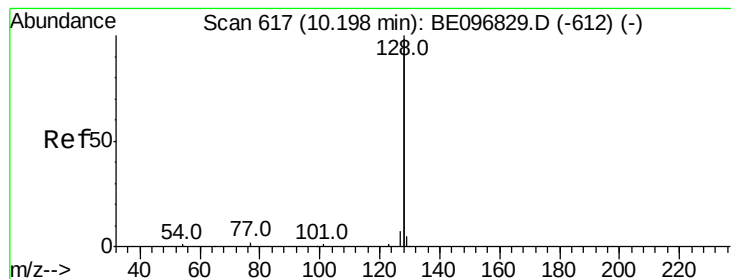
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#9

Naphthalene

Concen: 0.035 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

Instrument :

BNA_E

ClientSampleId :

RE131D3-071018

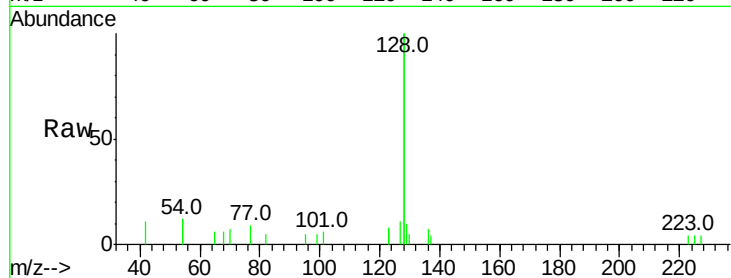
Tot Ion:128 Resp: 3749

Ion Ratio Lower Upper

128 100

129 4.9 2.6 3.8#

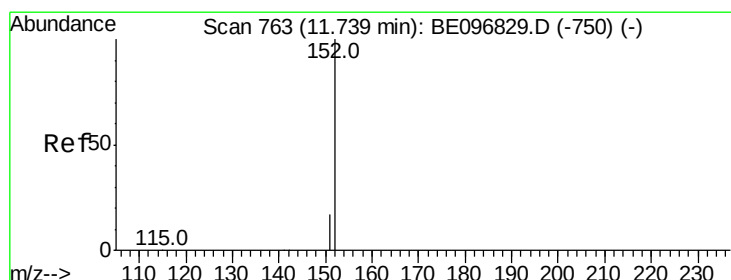
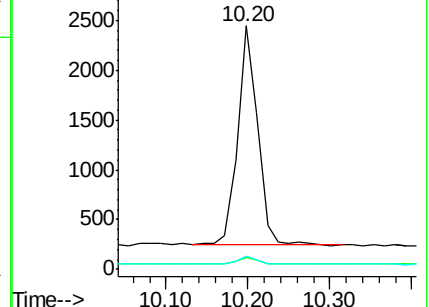
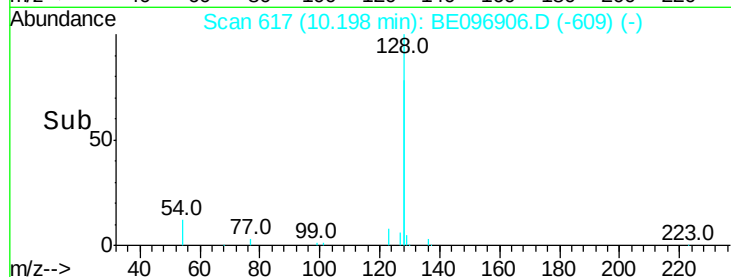
127 5.3 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.463 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096906.D

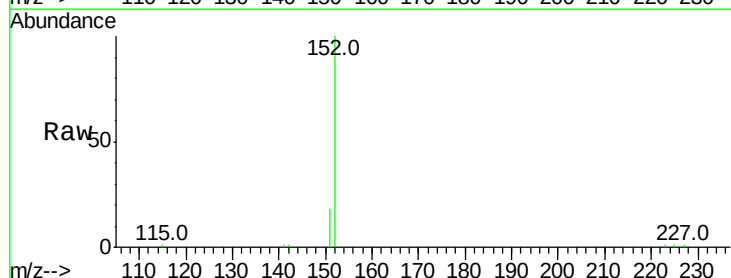
Acq: 13 Jul 2018 14:47

Tgt Ion:152 Resp: 7774

Ion Ratio Lower Upper

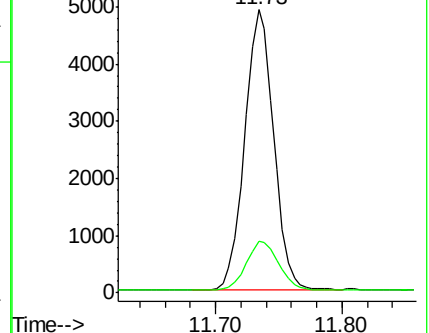
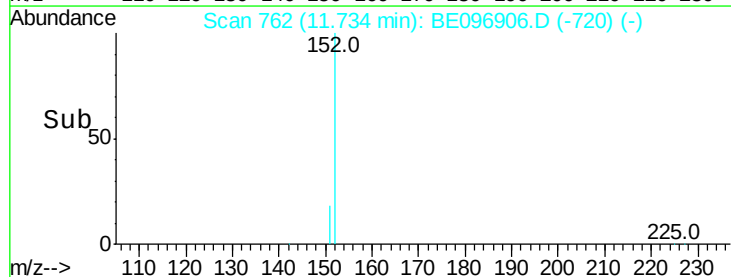
152 100

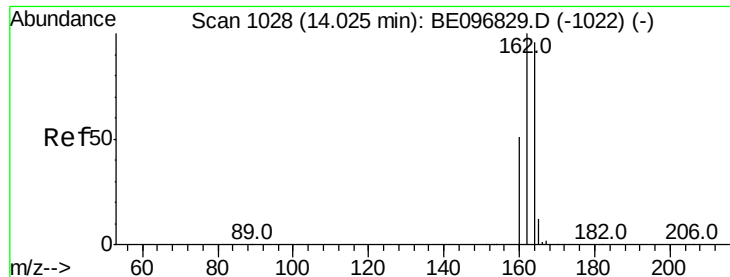
151 19.6 15.4 23.0



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: 14.03 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

Instrument :

BNA_E

ClientSampleId :

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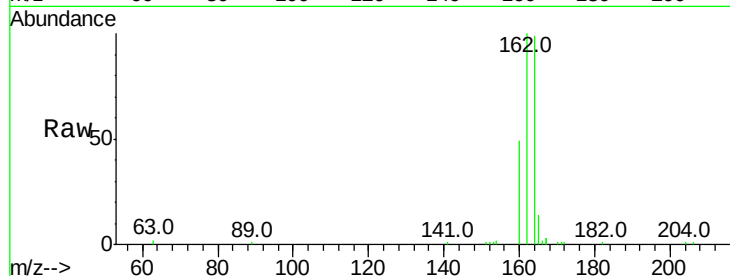
Tot Ion:164 Resp: 6783

Ion Ratio Lower Upper

164 100

162 101.4 83.1 124.7

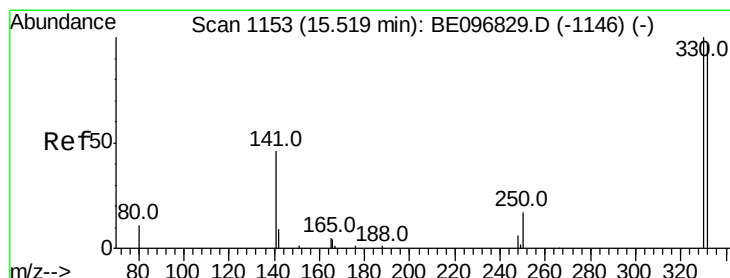
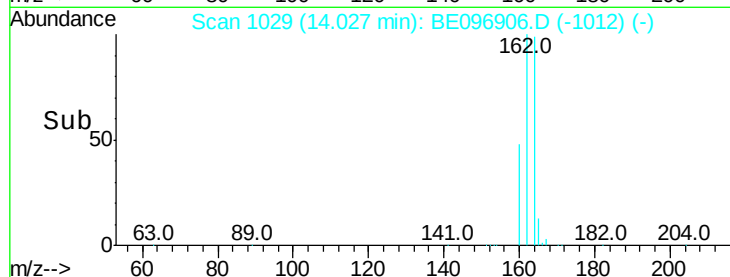
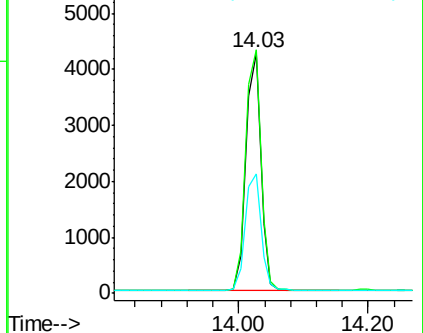
160 49.6 37.1 55.7



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: 0.354 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

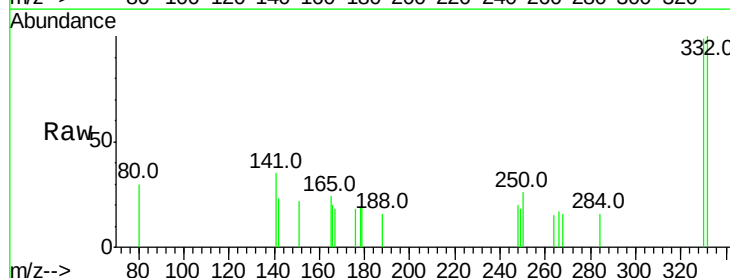
Tgt Ion:330 Resp: 449

Ion Ratio Lower Upper

330 100

332 100.2 152.7 229.1#

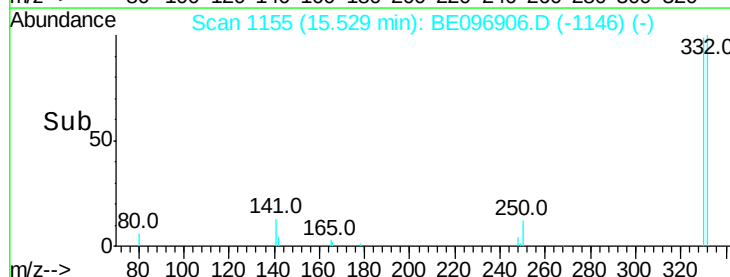
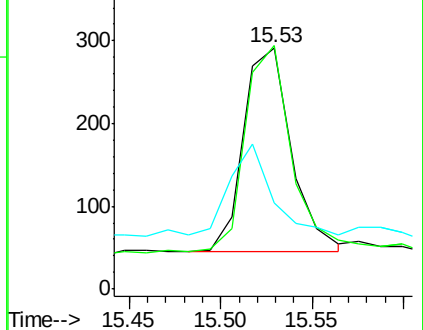
141 42.3 33.7 50.5

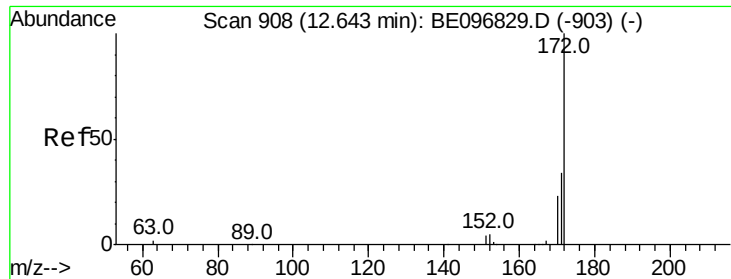


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

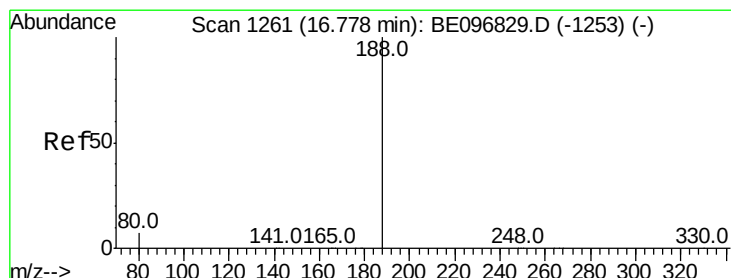
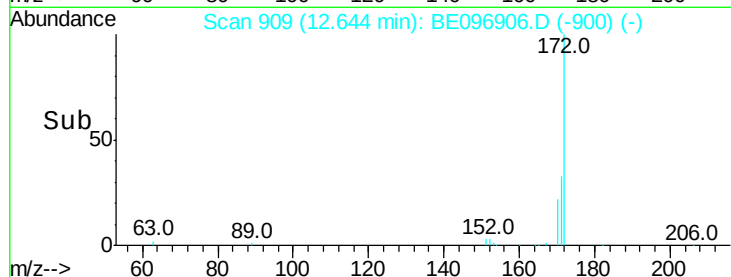
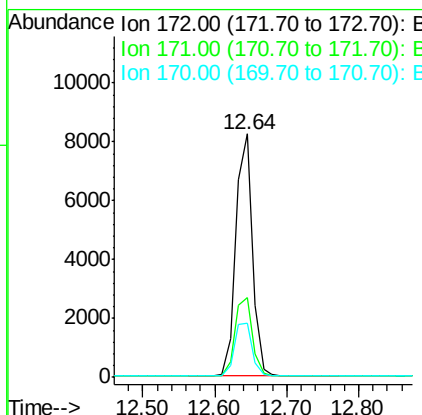
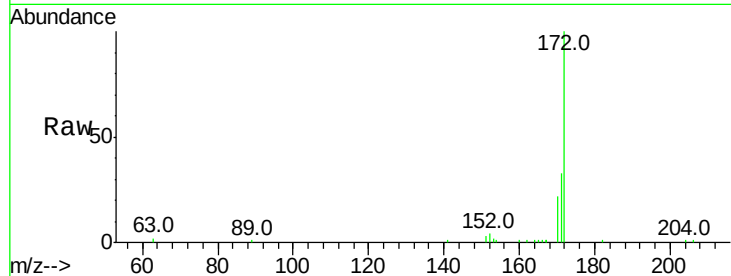




#15
2-Fluorobiphenyl
Concen: 0.531 ng
RT: 12.64 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE096906.D
Acq: 13 Jul 2018 14:47

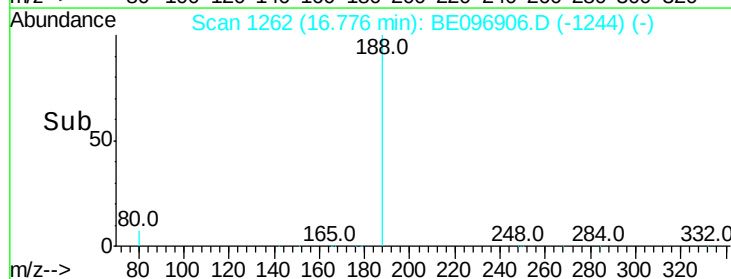
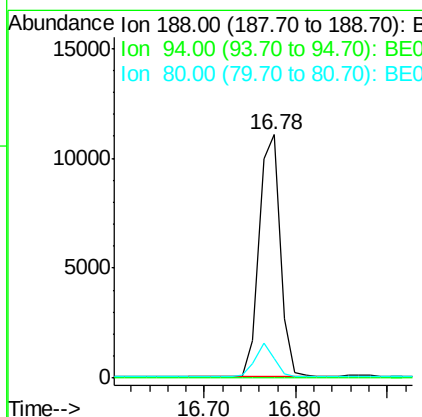
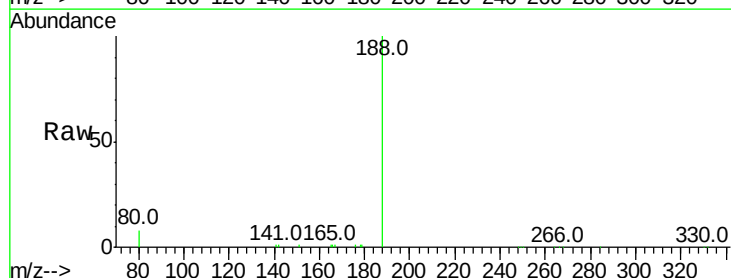
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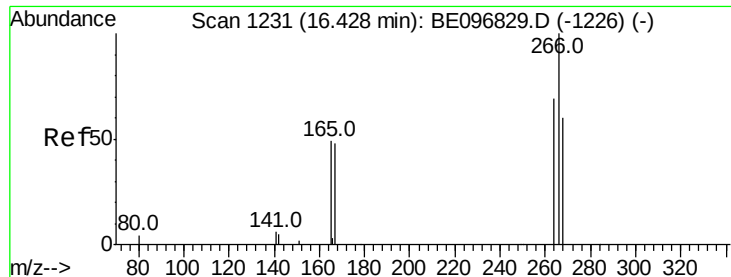
Tot Ion:172 Resp: 13184
Ion Ratio Lower Upper
172 100
171 32.9 29.9 44.9
170 22.2 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BE096906.D
Acq: 13 Jul 2018 14:47

Tgt Ion:188 Resp: 17946
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 7.9 3.6 5.4#

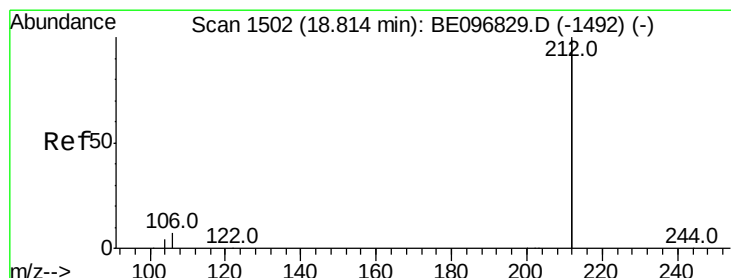
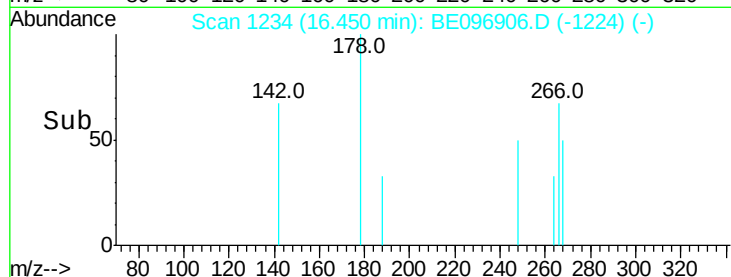
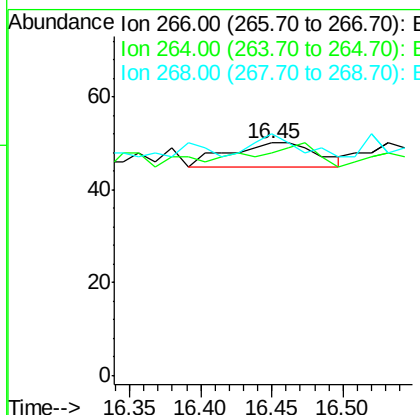
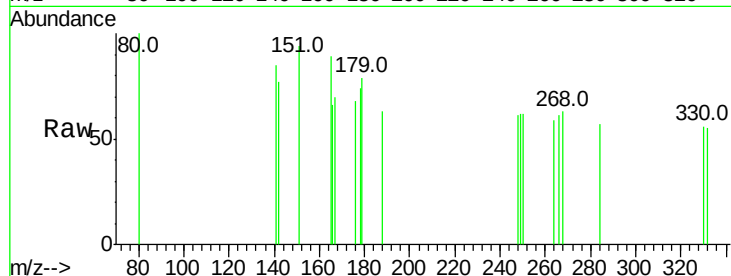




#22
 Pentachlorophenol
 Concen: 0.051 ng
 RT: 16.45 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: BE096906.D
 Acq: 13 Jul 2018 14:47

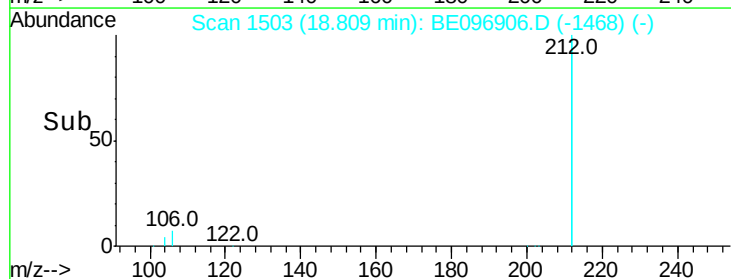
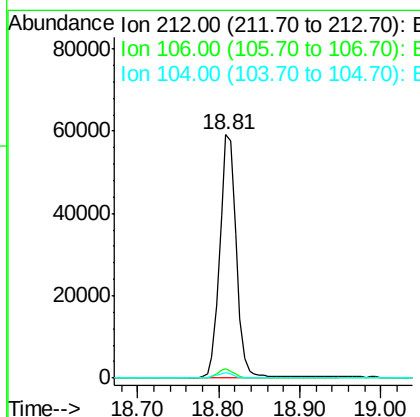
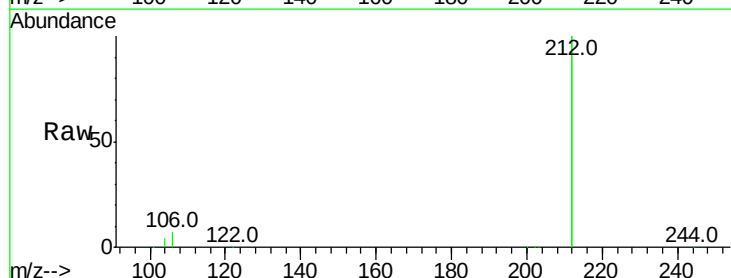
Instrument :
 BNA_E
 ClientSampleId :
 RE131D3-071018

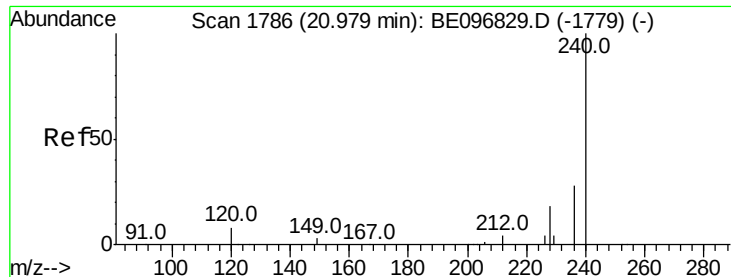
Tot Ion:266 Resp: 22
 Ion Ratio Lower Upper
 266 100
 264 96.0 72.5 108.7
 268 104.0 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.521 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. -0.00 min
 Lab File: BE096906.D
 Acq: 13 Jul 2018 14:47

Tgt Ion:212 Resp: 82309
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.8 4.2
 104 1.9 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

Instrument :

BNA_E

ClientSampleId :

RE131D3-071018

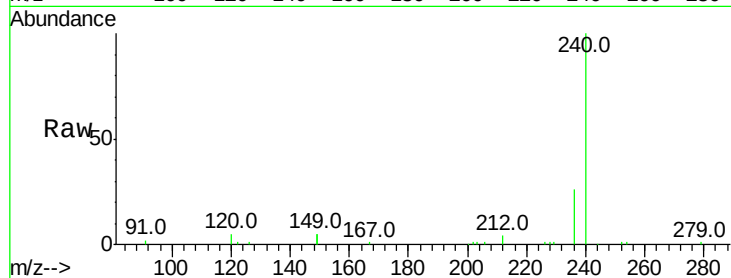
Tot Ion:240 Resp: 16145

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

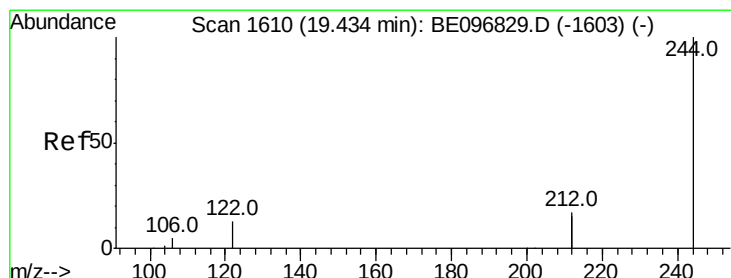
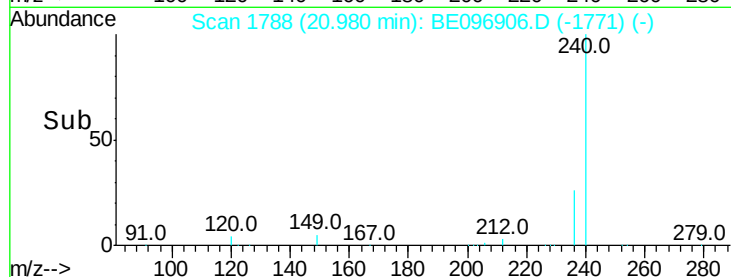
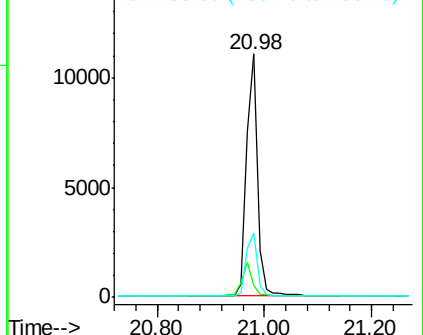
236 26.4 20.7 31.1



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: 0.674 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

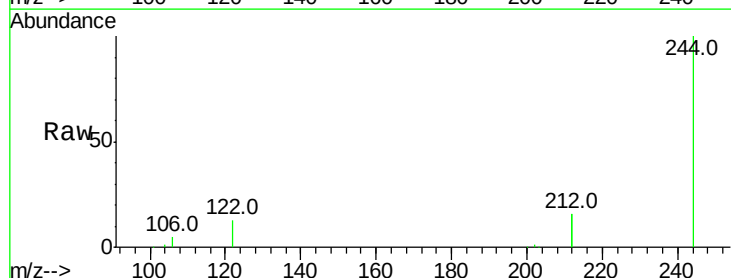
Tgt Ion:244 Resp: 21007

Ion Ratio Lower Upper

244 100

212 32.6 25.4 38.0

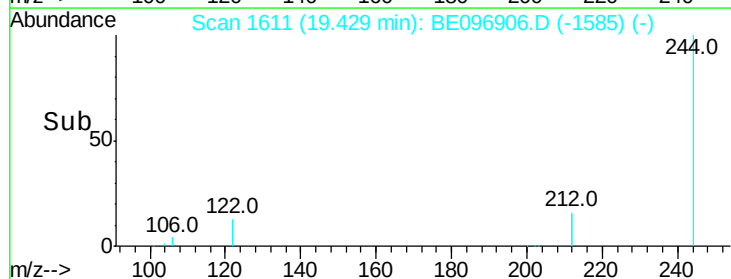
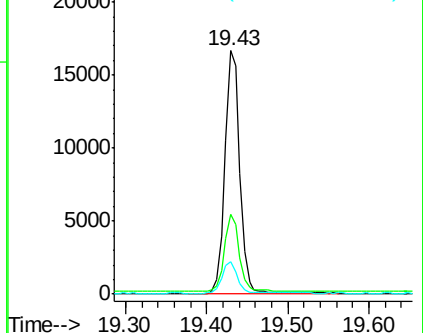
122 13.5 8.1 12.1#

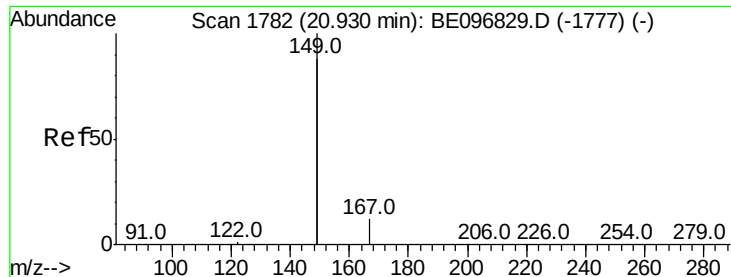


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 8.955 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

Instrument :

BNA_E

ClientSampleId :

RE131D3-071018

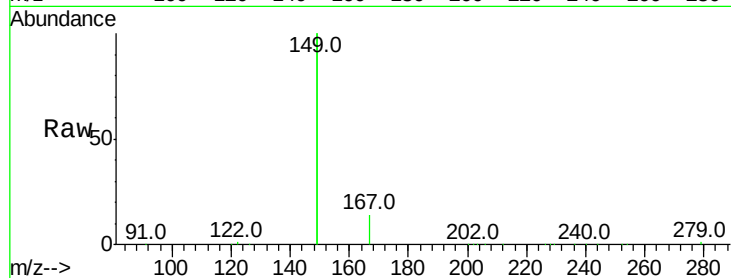
Tot Ion:149 Resp: 286939

Ion Ratio Lower Upper

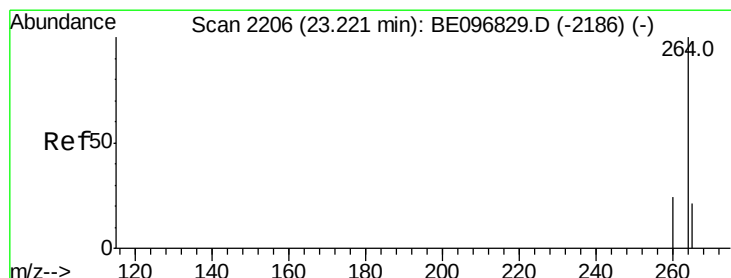
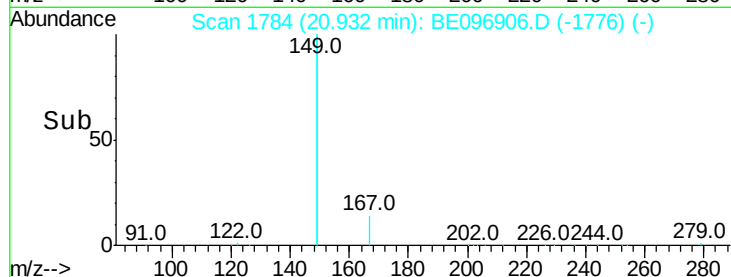
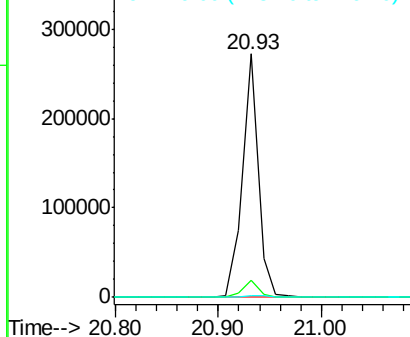
149 100

167 6.7 5.4 8.0

279 0.8 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# 2206

Delta R.T. -0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

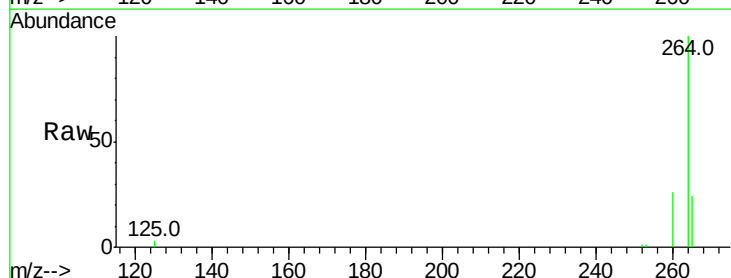
Tgt Ion:264 Resp: 15829

Ion Ratio Lower Upper

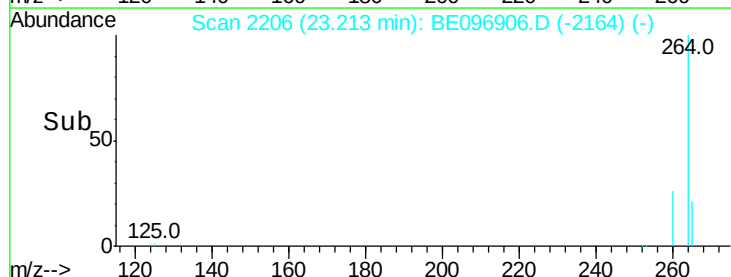
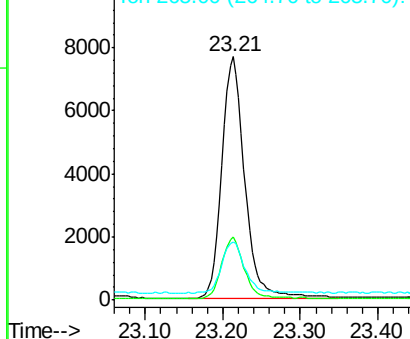
264 100

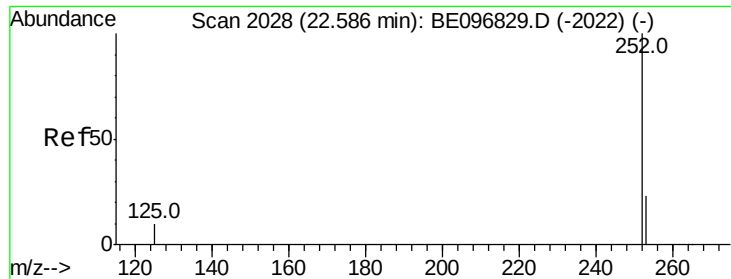
260 26.0 20.5 30.7

265 23.8 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

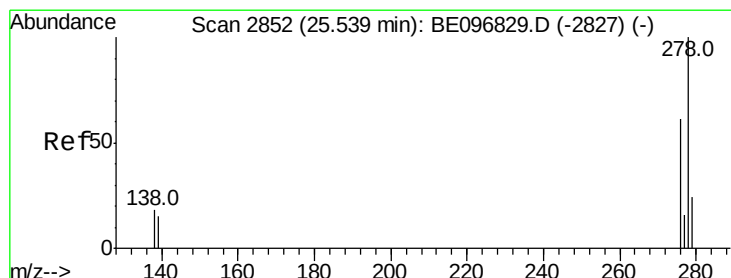
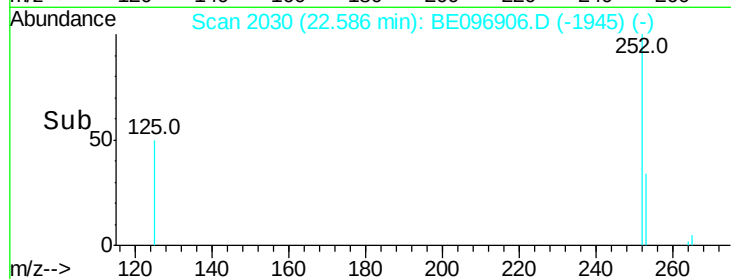
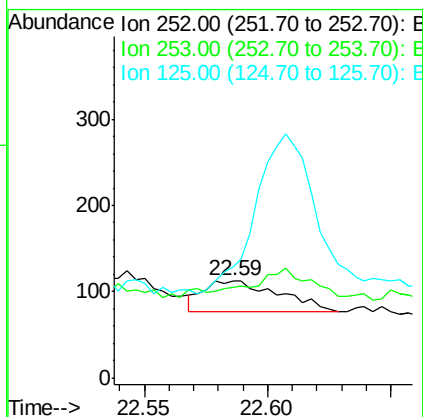
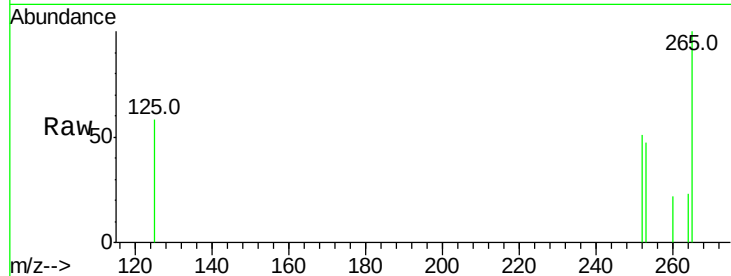




#36
Benzo(k)fluoranthene
Concen: 0.085 ng
RT: 22.59 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BE096906.D
Acq: 13 Jul 2018 14:47

Instrument :
BNA_E
ClientSampleId :
RE131D3-071018

Tot Ion:252 Resp: 75
Ion Ratio Lower Upper
252 100
253 92.9 16.0 24.0#
125 113.3 8.0 12.0#



#38
Dibenzo(a,h)anthracene
Concen: 0.110 ng
RT: 25.52 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BE096906.D
Acq: 13 Jul 2018 14:47

Tgt Ion:278 Resp: 21
Ion Ratio Lower Upper
278 100
139 96.8 16.0 24.0#
279 100.0 20.0 30.0#

