

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096907.D
 Acq On : 13 Jul 2018 15:22
 Operator : SJ/JU
 Sample : J3170-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE131D1-071018

Quant Time: Jul 13 17:04:26 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	2070	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	9790	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5281	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	15080	0.40	ng	0.01
27) Chrysene-d12	20.98	240	15058	0.40	ng	0.00
34) Perylene-d12	23.21	264	15607	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1080	0.23	ng	0.00
5) Phenol-d6	6.59	99	939	0.14	ng	0.00
8) Nitrobenzene-d5	8.53	82	3309	0.56	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6747	0.48	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	754	0.57	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	9733	0.50	ng	0.00
25) Fluoranthene-d10	18.81	212	77666	0.59	ng	0.00
29) Terphenyl-d14	19.43	244	20790	0.72	ng	0.00

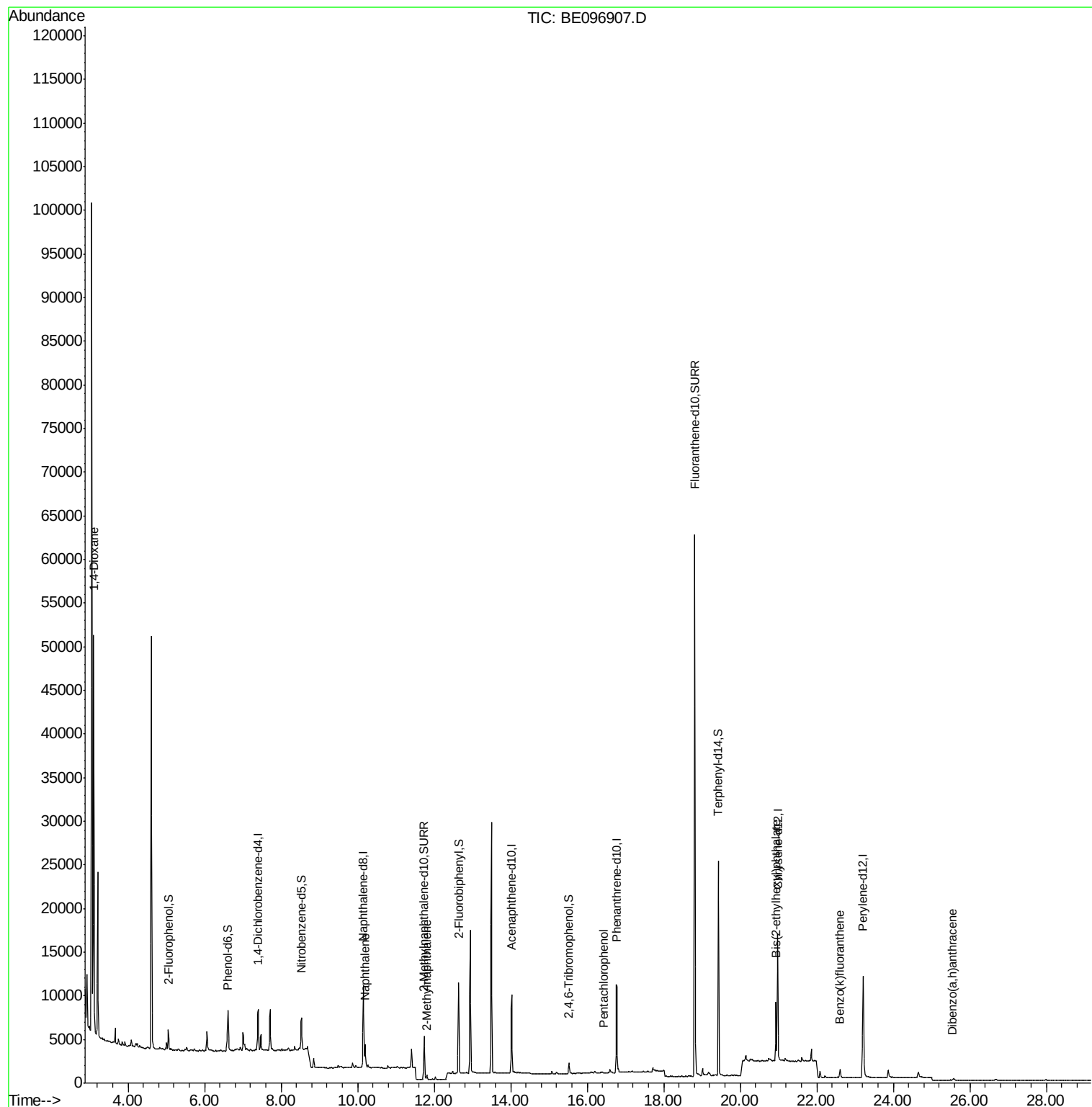
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	22596	7.284	ng	# 88
9) Naphthalene	10.20	128	3908	0.044	ng	# 96
12) 2-Methylnaphthalene	11.81	142	354	0.024	ng	# 92
22) Pentachlorophenol	16.44	266	20	0.052	ng	93
32) Bis(2-ethylhexyl)phthalate	20.93	149	7100	0.238	ng	100
36) Benzo(k)fluoranthene	22.61	252	137	0.086	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	3	0.109	ng	# 1

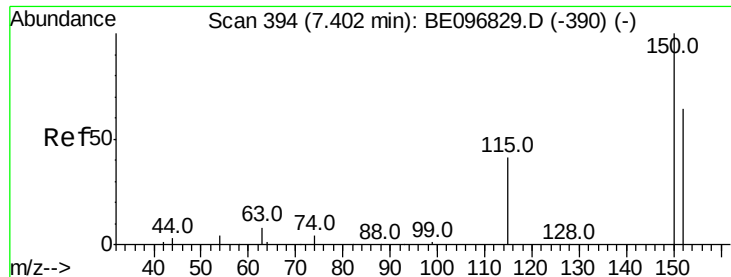
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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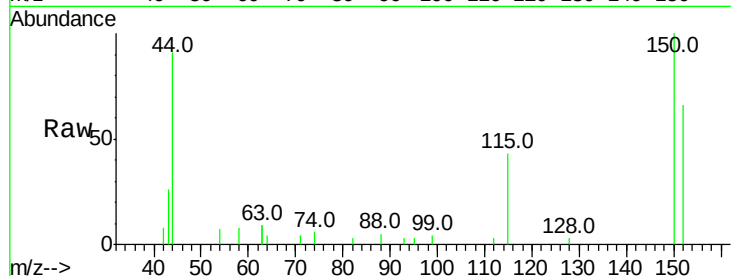


#1

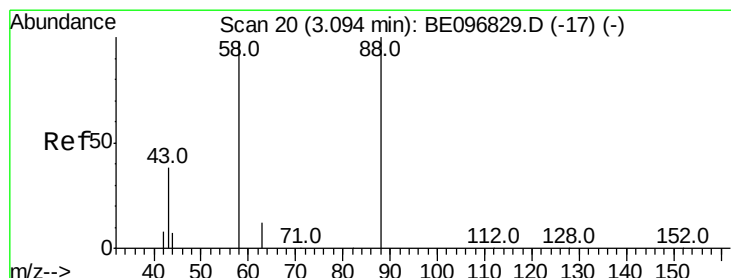
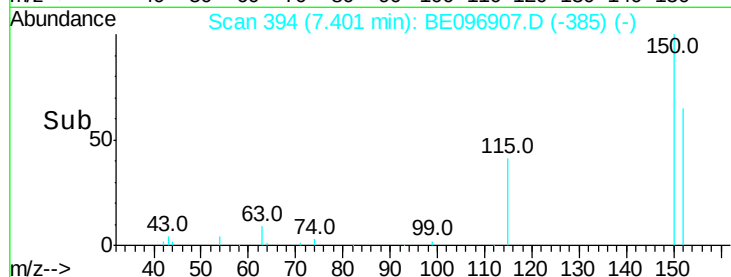
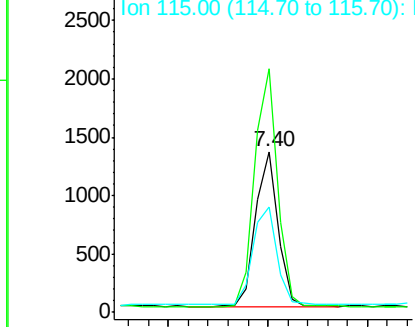
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.01 min
Lab File: BE096907.D
Acq: 13 Jul 2018 15:22

Instrument :
BNA_E
ClientSampleId :
RE131D1-071018

Tot Ion:152 Resp: 2070
Ion Ratio Lower Upper
152 100
150 151.5 117.2 175.8
115 65.5 57.0 85.6



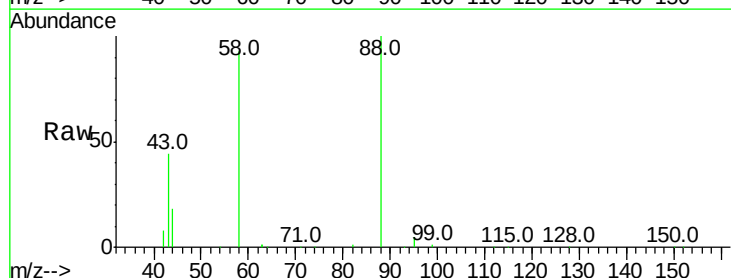
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



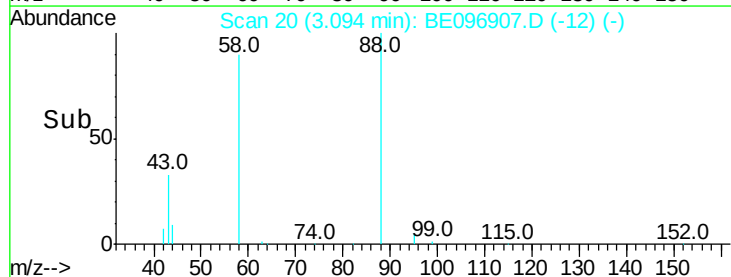
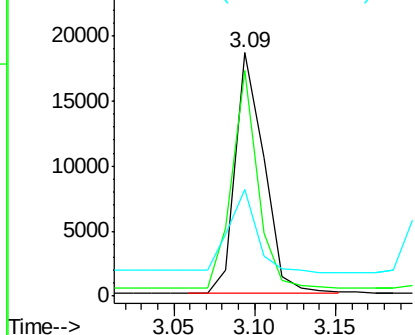
#2

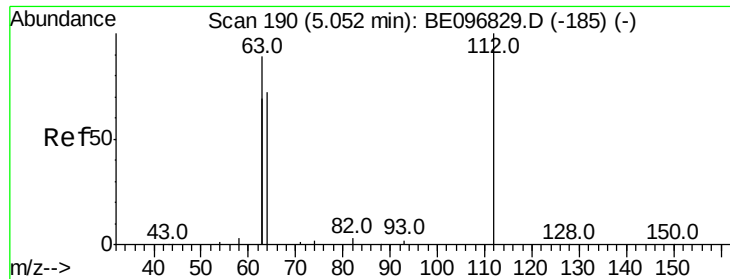
1,4-Dioxane
Concen: 7.284 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096907.D
Acq: 13 Jul 2018 15:22

Tgt Ion: 88 Resp: 22596
Ion Ratio Lower Upper
88 100
58 82.2 63.2 94.8
43 34.4 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: 0.233 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096907.D

Acq: 13 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

RE131D1-071018

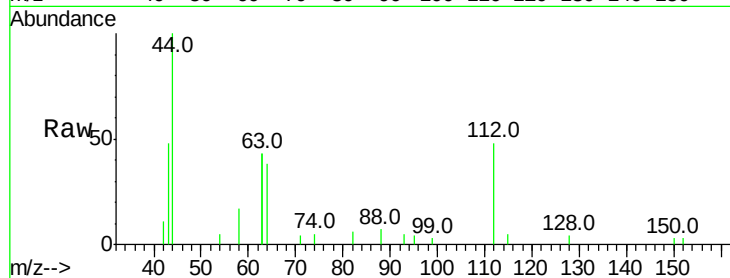
Tot Ion:112 Resp: 1080

Ion Ratio Lower Upper

112 100

64 69.1 60.1 90.1

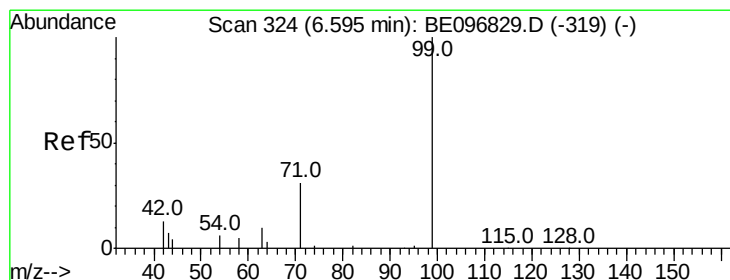
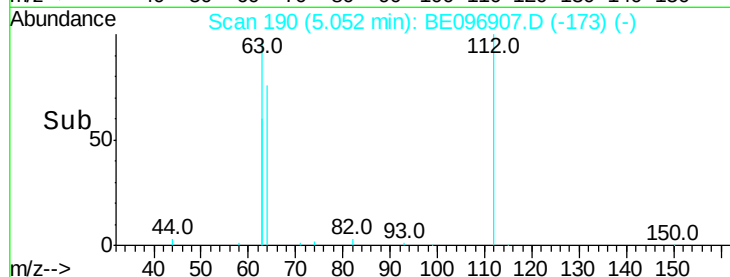
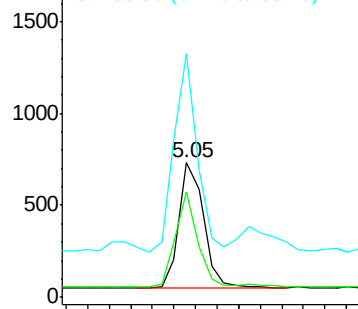
63 145.7 116.8 175.2



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: 0.136 ng

RT: 6.59 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096907.D

Acq: 13 Jul 2018 15:22

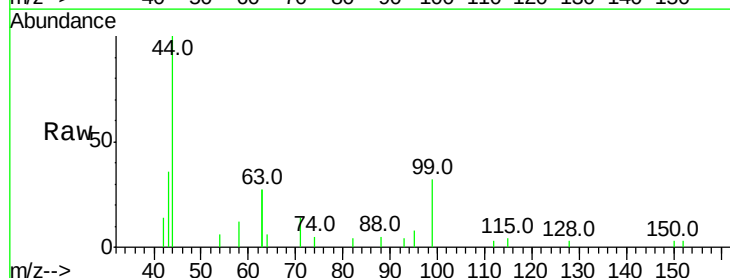
Tgt Ion: 99 Resp: 939

Ion Ratio Lower Upper

99 100

42 41.5 20.2 30.2#

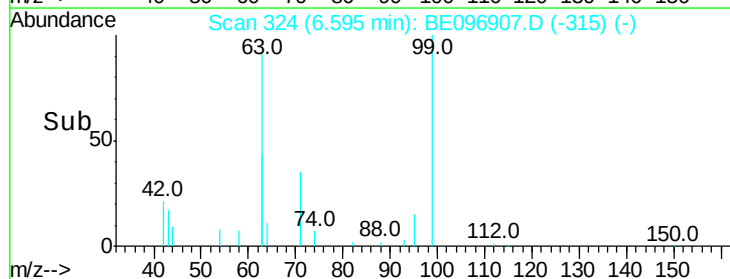
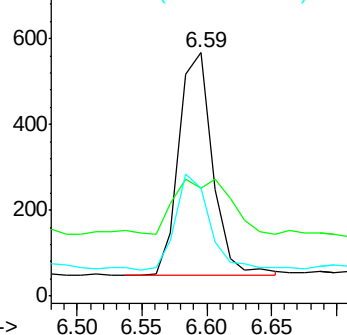
71 43.1 28.4 42.6#

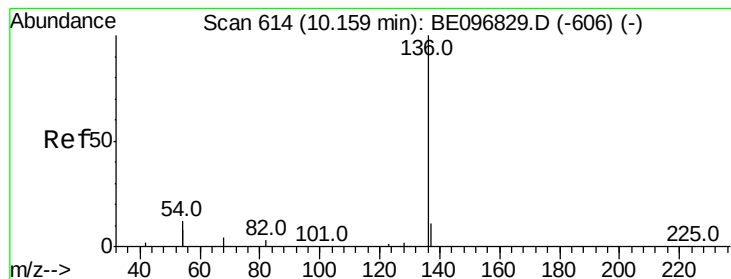


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE096907.D

Acq: 13 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

RE131D1-071018

Tot Ion:136 Resp: 9790

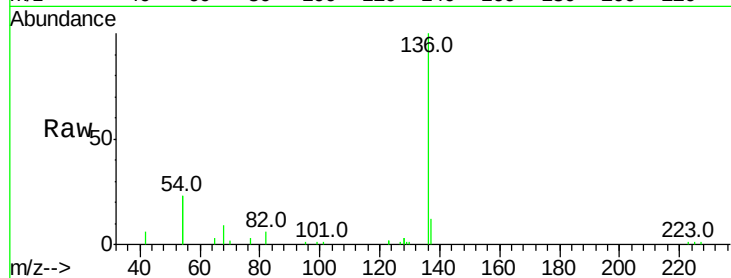
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 46.5 29.1 43.7#

68 8.9 6.2 9.2

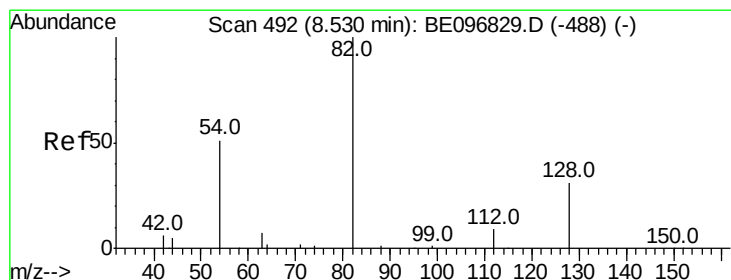
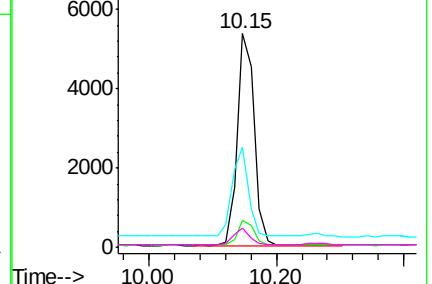
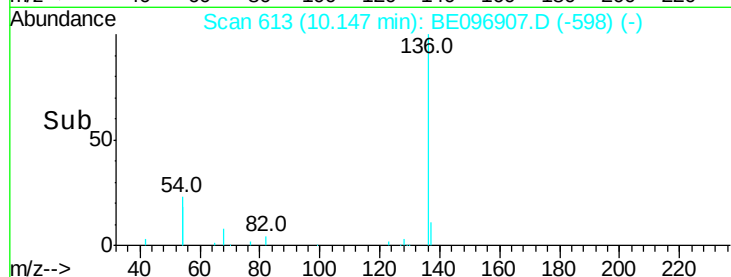


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.558 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096907.D

Acq: 13 Jul 2018 15:22

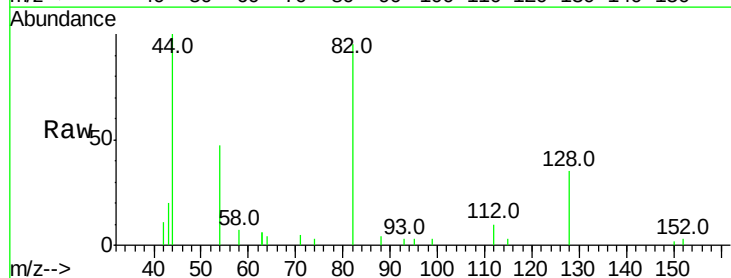
Tgt Ion: 82 Resp: 3309

Ion Ratio Lower Upper

82 100

128 37.0 24.0 36.0#

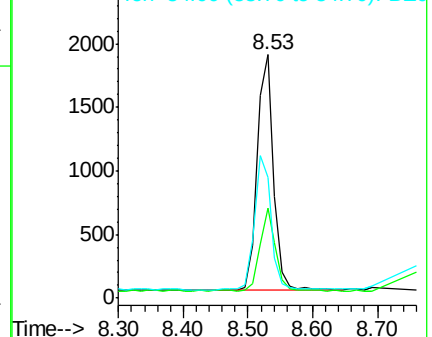
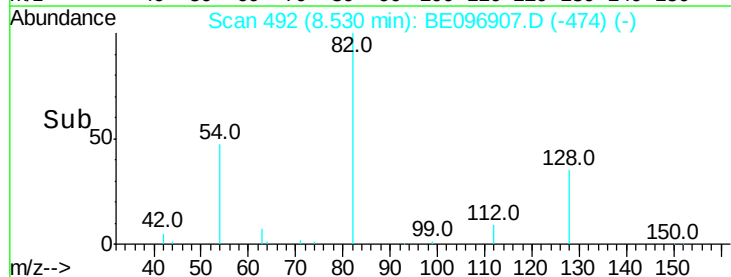
54 49.4 40.0 60.0

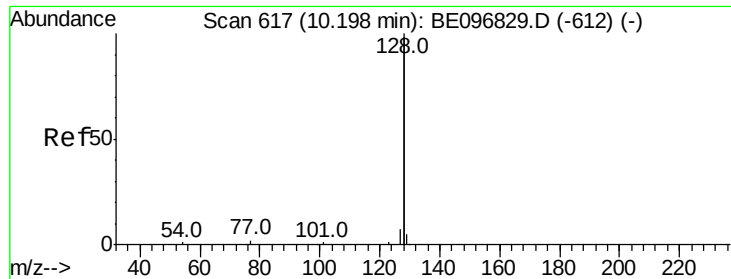


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.044 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096907.D

Acq: 13 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

RE131D1-071018

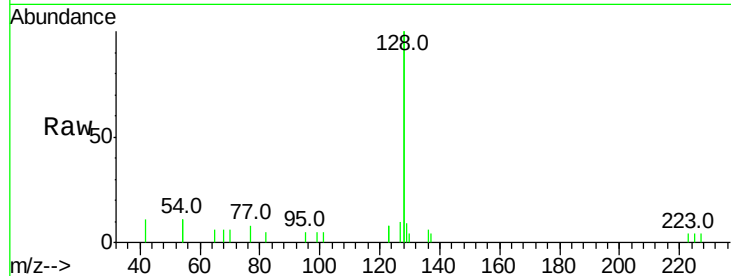
Tot Ion:128 Resp: 3908

Ion Ratio Lower Upper

128 100

129 4.5 2.6 3.8#

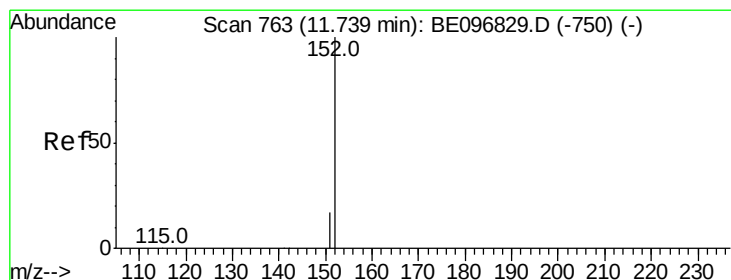
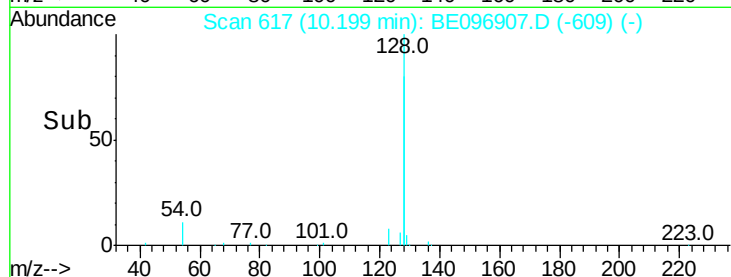
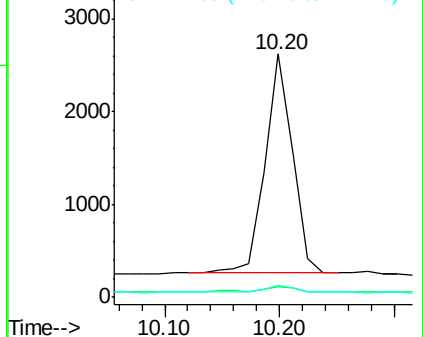
127 5.1 2.8 4.2#



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: 0.479 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096907.D

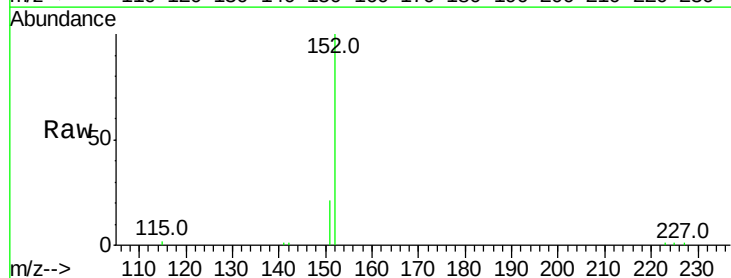
Acq: 13 Jul 2018 15:22

Tgt Ion:152 Resp: 6747

Ion Ratio Lower Upper

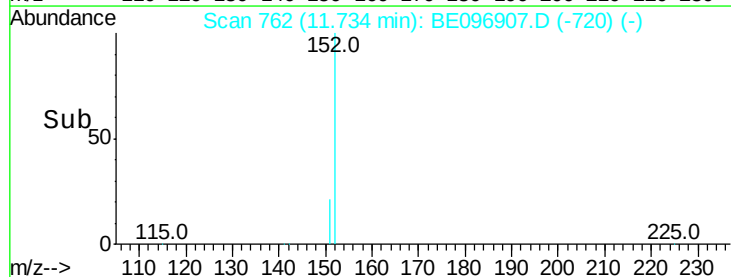
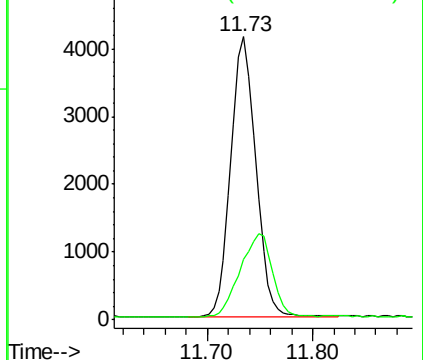
152 100

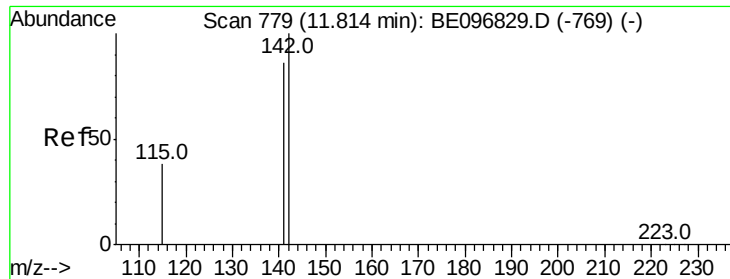
151 38.3 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.024 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096907.D

Acq: 13 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

RE131D1-071018

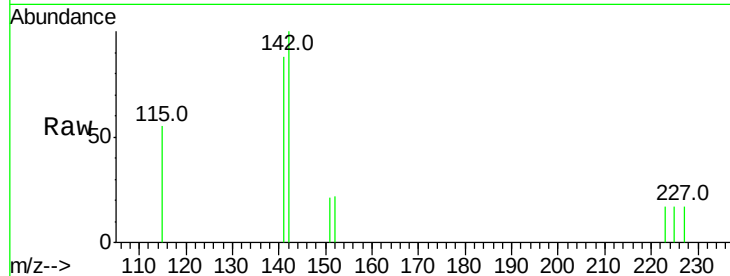
Tot Ion:142 Resp: 354

Ion Ratio Lower Upper

142 100

141 88.1 70.4 105.6

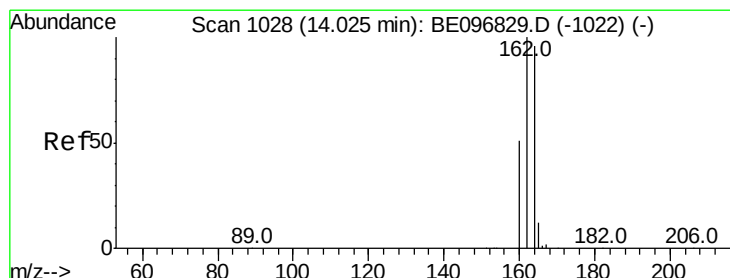
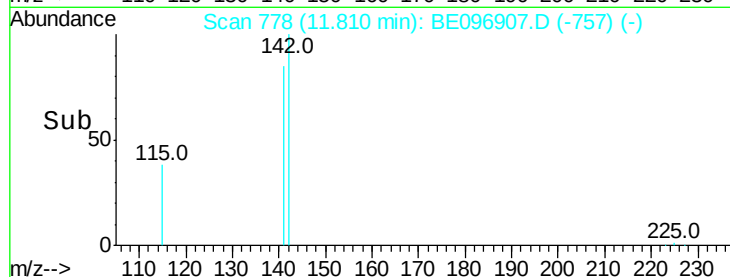
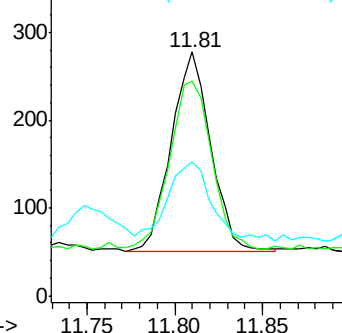
115 55.0 31.7 47.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BE096907.D

Acq: 13 Jul 2018 15:22

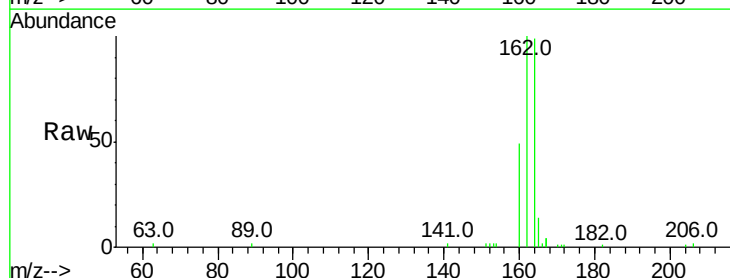
Tgt Ion:164 Resp: 5281

Ion Ratio Lower Upper

164 100

162 101.4 83.1 124.7

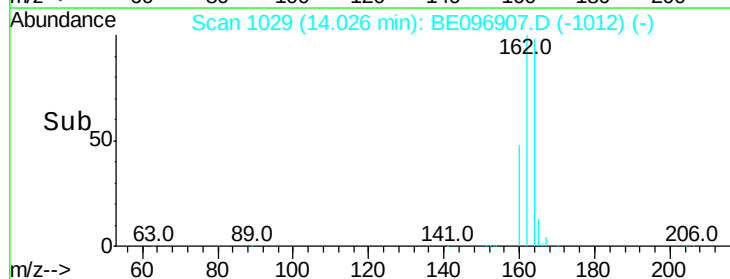
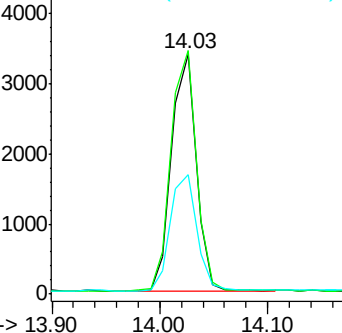
160 49.7 37.1 55.7

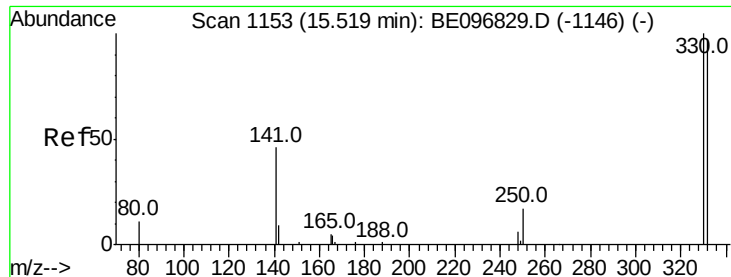


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

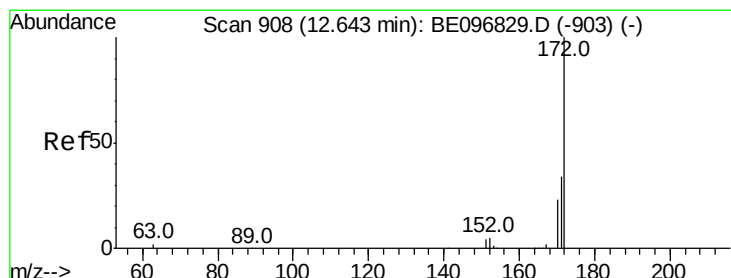
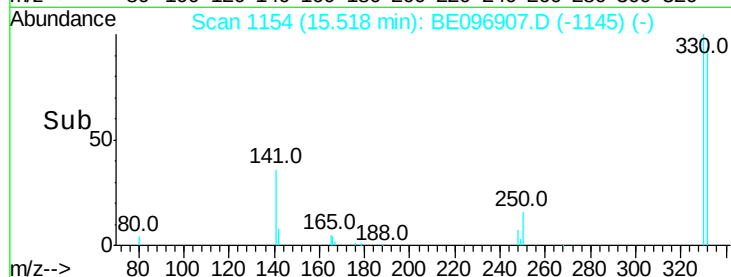
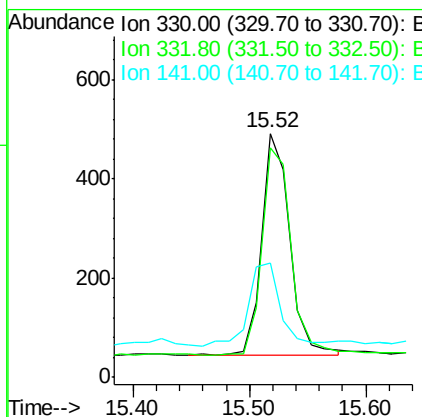
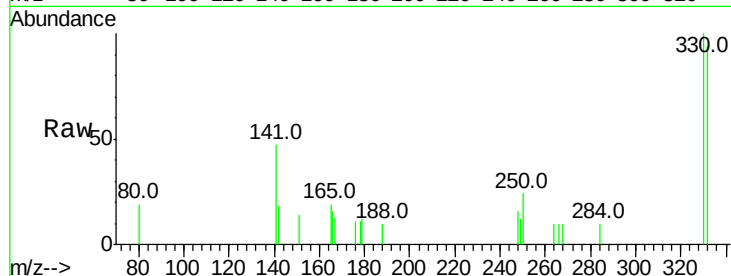




#14
 2,4,6-Tribromophenol
 Concen: 0.571 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE096907.D
 Acq: 13 Jul 2018 15:22

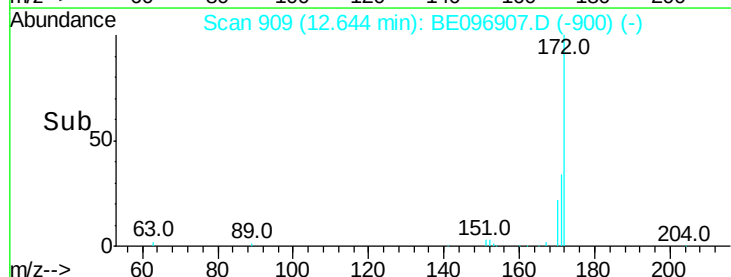
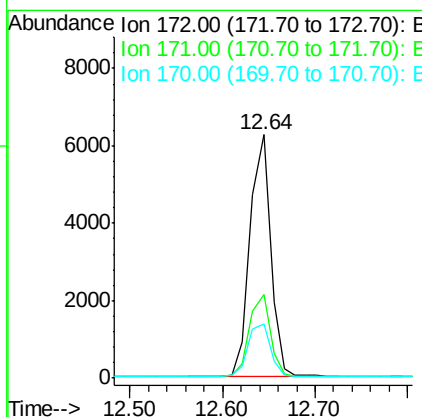
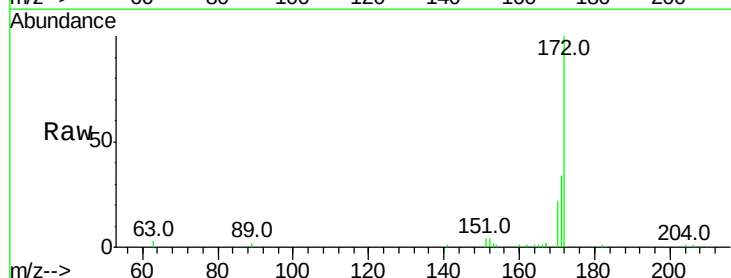
Instrument :
 BNA_E
 ClientSampleId :
 RE131D1-071018

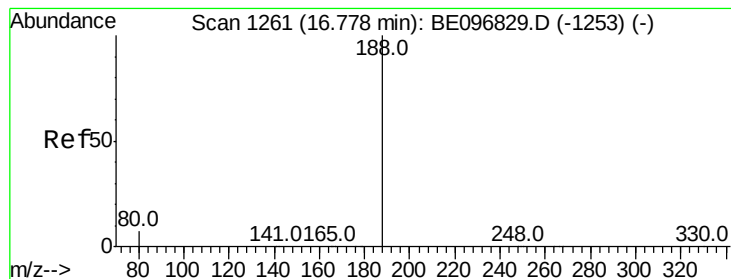
Tot Ion:330 Resp: 754
 Ion Ratio Lower Upper
 330 100
 332 96.2 152.7 229.1#
 141 43.0 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.504 ng
 RT: 12.64 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: BE096907.D
 Acq: 13 Jul 2018 15:22

Tgt Ion:172 Resp: 9733
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.9 44.9
 170 22.3 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: BE096907.D

Acq: 13 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

RE131D1-071018

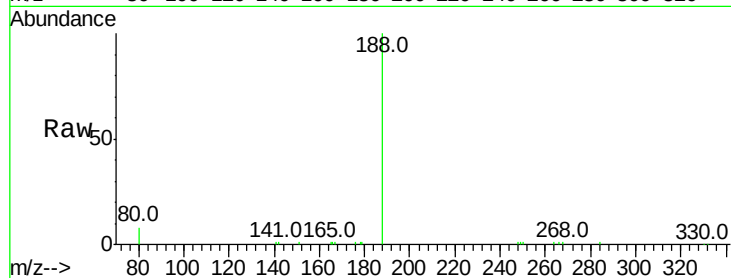
Tot Ion:188 Resp: 15080

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

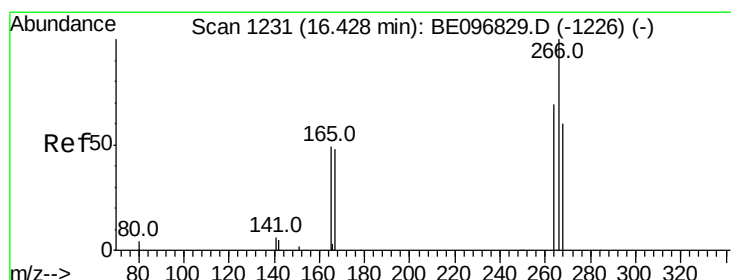
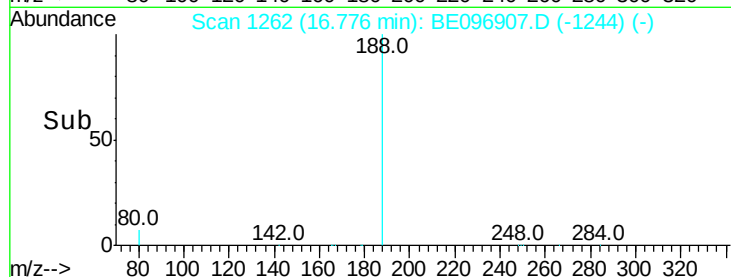
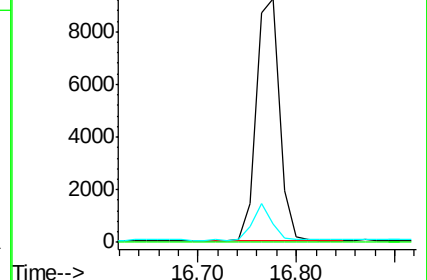
80 7.5 3.6 5.4#



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: 0.052 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE096907.D

Acq: 13 Jul 2018 15:22

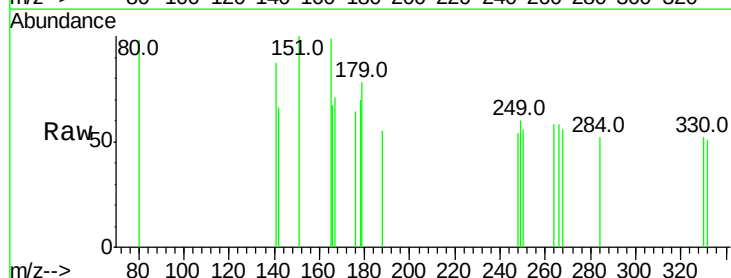
Tgt Ion:266 Resp: 20

Ion Ratio Lower Upper

266 100

264 100.0 72.5 108.7

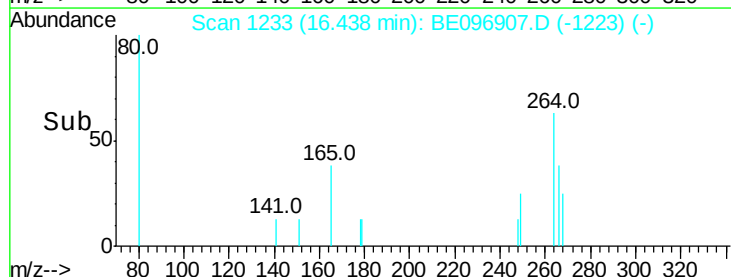
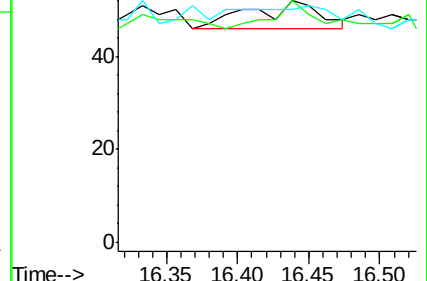
268 96.2 73.8 110.6

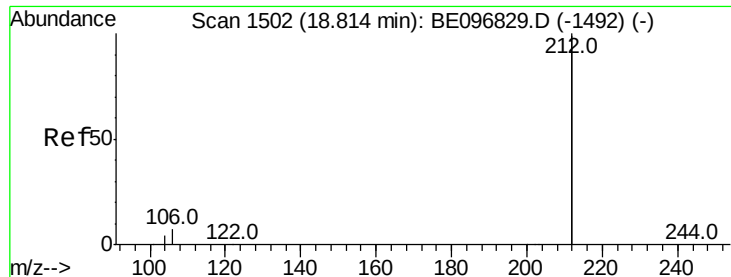


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.585 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE096907.D

Acq: 13 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

RE131D1-071018

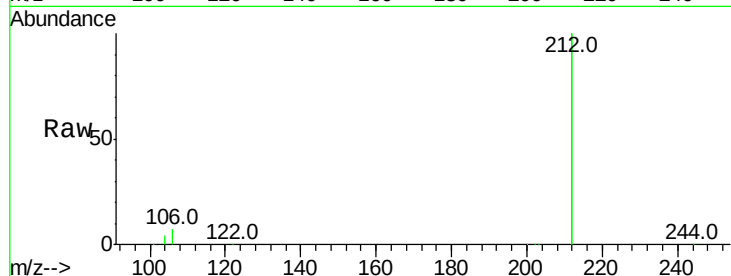
Tot Ion:212 Resp: 77666

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

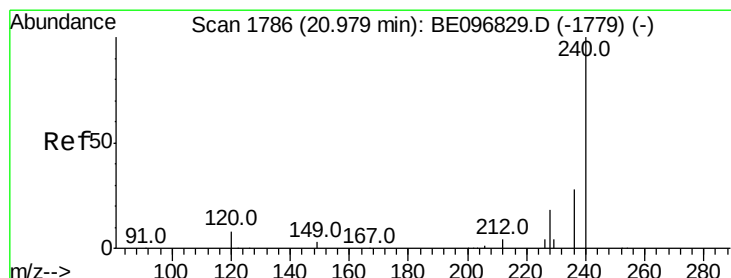
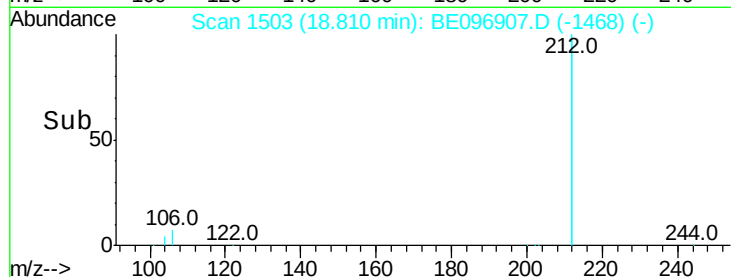
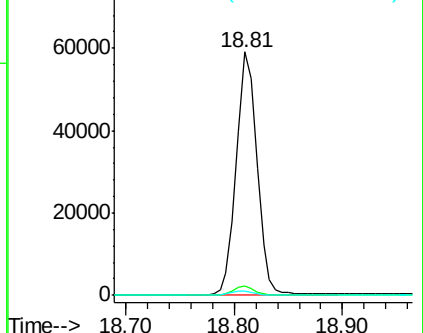
104 2.0 1.6 2.4



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: BE096907.D

Acq: 13 Jul 2018 15:22

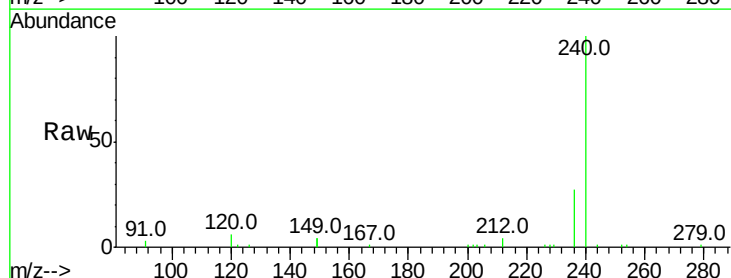
Tgt Ion:240 Resp: 15058

Ion Ratio Lower Upper

240 100

120 5.6 5.5 8.3

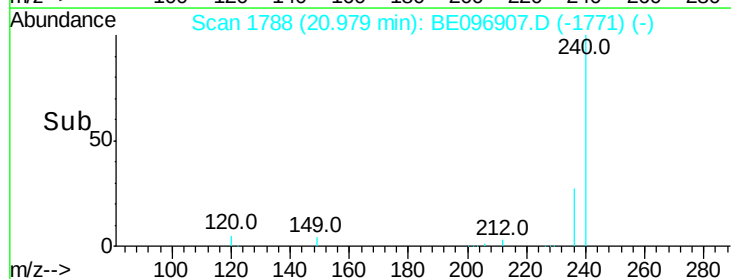
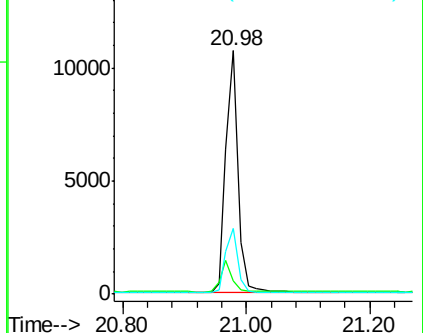
236 27.1 20.7 31.1

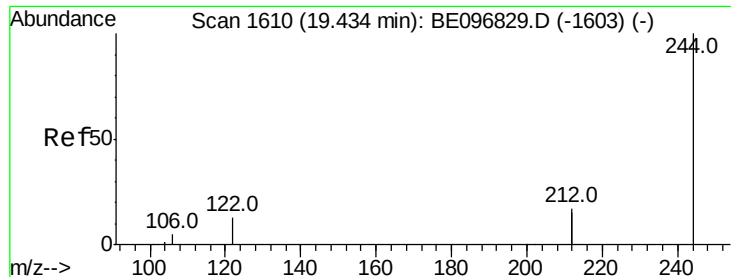


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.715 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096907.D

Acq: 13 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

RE131D1-071018

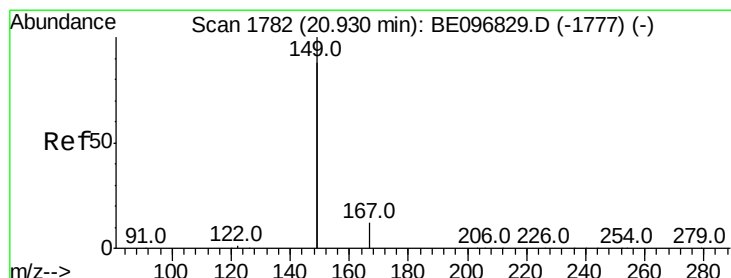
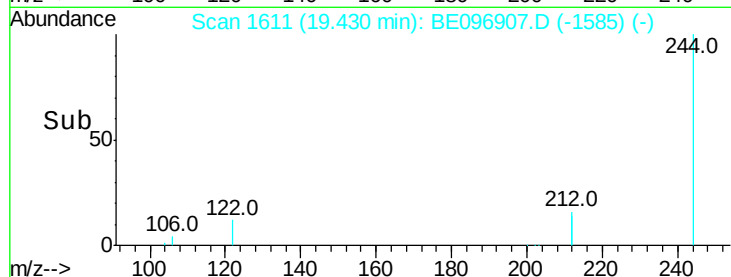
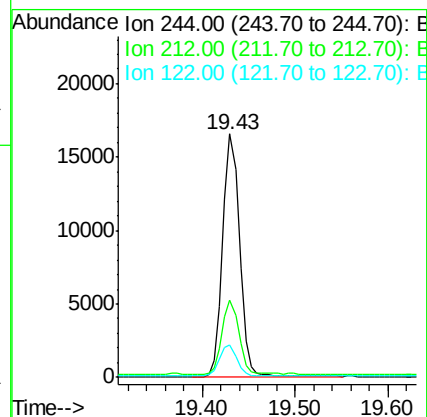
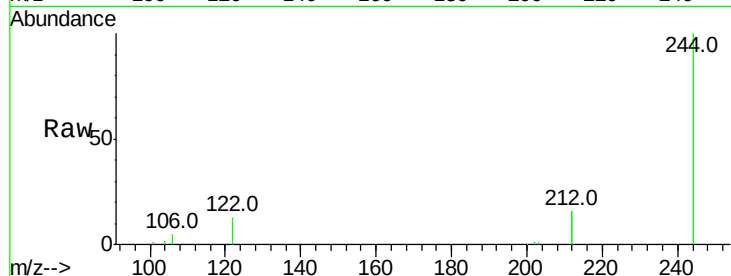
Tot Ion:244 Resp: 20790

Ion Ratio Lower Upper

244 100

212 31.7 25.4 38.0

122 13.1 8.1 12.1#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.238 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE096907.D

Acq: 13 Jul 2018 15:22

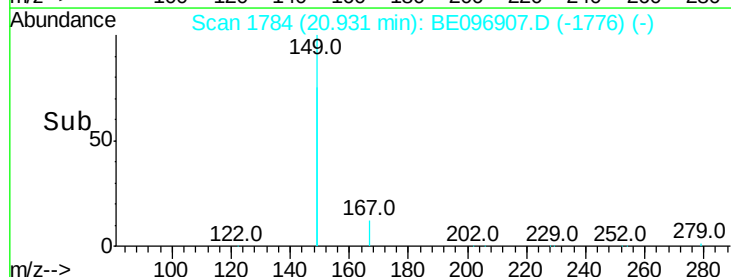
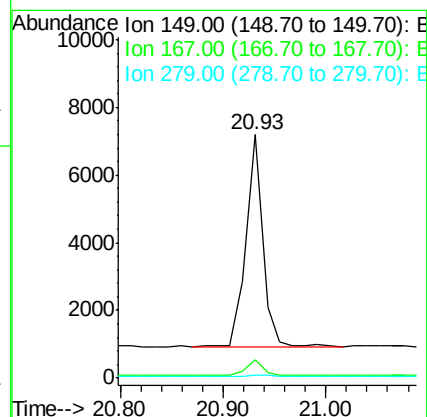
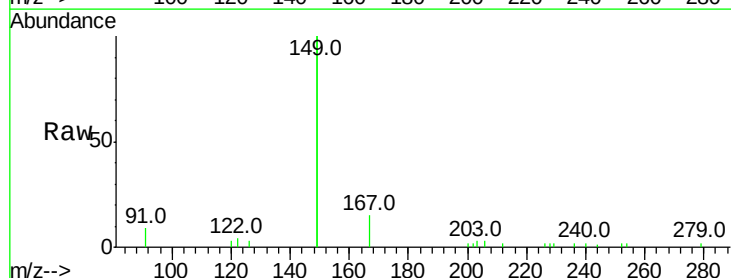
Tgt Ion:149 Resp: 7100

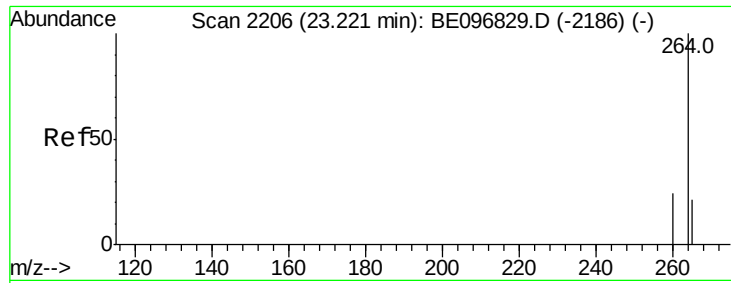
Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

279 1.0 0.7 1.1

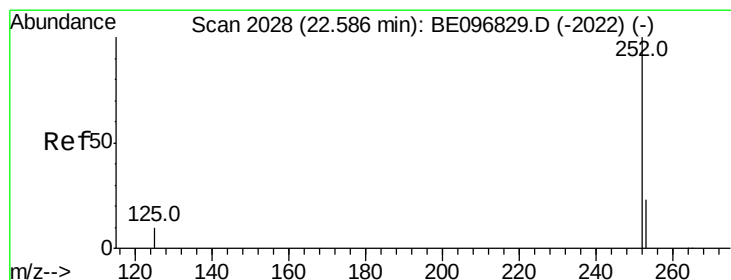
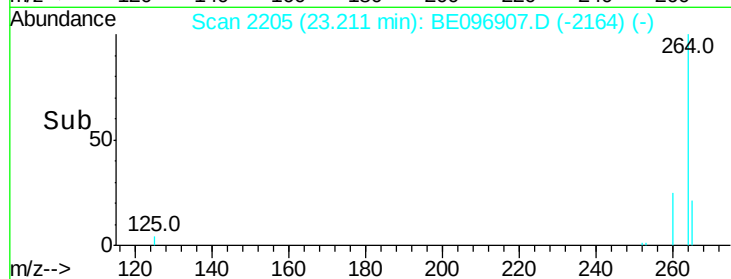
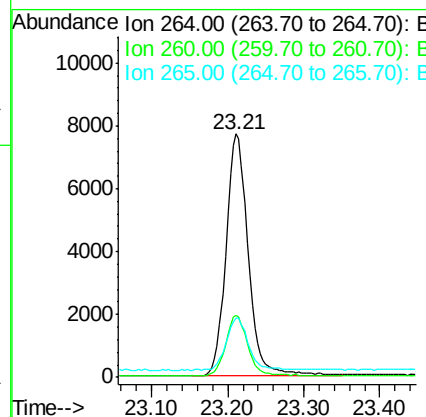
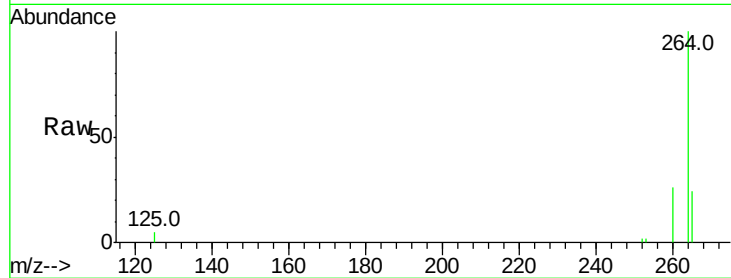




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE096907.D
Acq: 13 Jul 2018 15:22

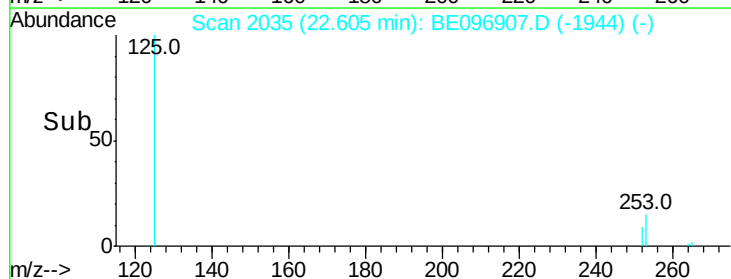
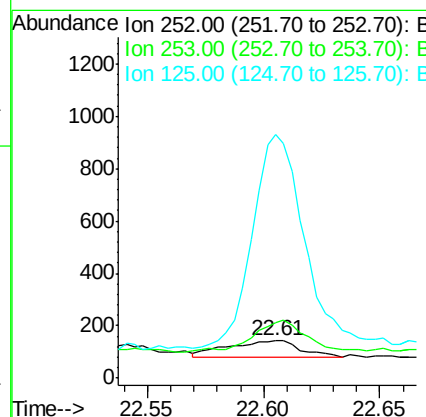
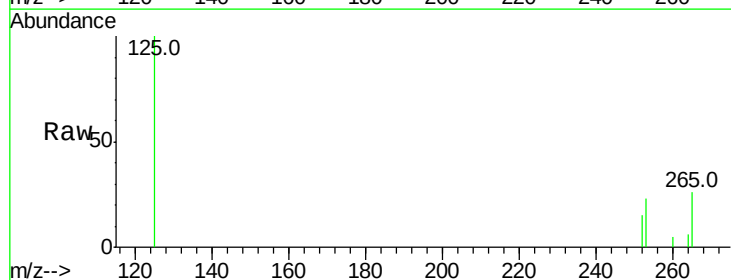
Instrument :
BNA_E
ClientSampleId :
RE131D1-071018

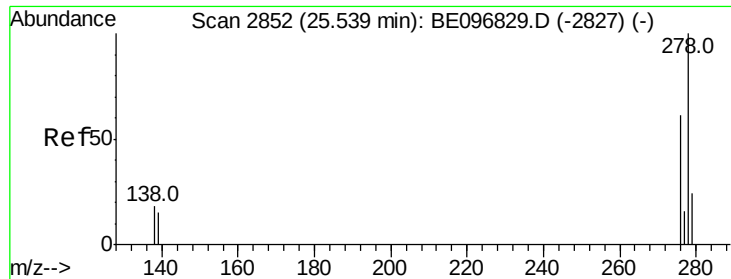
Tot Ion:264 Resp: 15607
Ion Ratio Lower Upper
264 100
260 25.6 20.5 30.7
265 24.1 22.8 34.2



#36
Benzo(k)fluoranthene
Concen: 0.086 ng
RT: 22.61 min Scan# 2035
Delta R.T. 0.02 min
Lab File: BE096907.D
Acq: 13 Jul 2018 15:22

Tgt Ion:252 Resp: 137
Ion Ratio Lower Upper
252 100
253 149.7 16.0 24.0#
125 650.3 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.109 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE096907.D

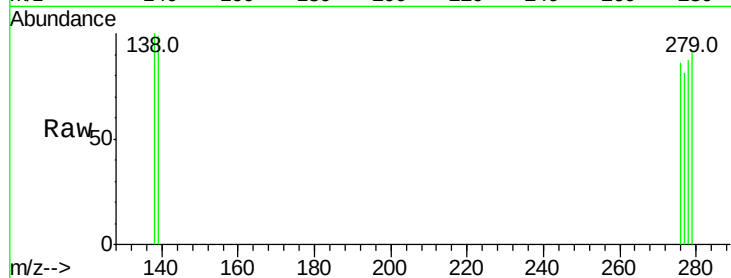
Acq: 13 Jul 2018 15:22

Instrument :

BNA_E

ClientSampleId :

RE131D1-071018



Tot Ion:	278	Resp:	3
Ion	Ratio	Lower	Upper
278	100		
139	113.1	16.0	24.0#
279	104.9	20.0	30.0#

