

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096902.D
 Acq On : 13 Jul 2018 12:17
 Operator : SJ/JU
 Sample : PB111075BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 13 17:03:41 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

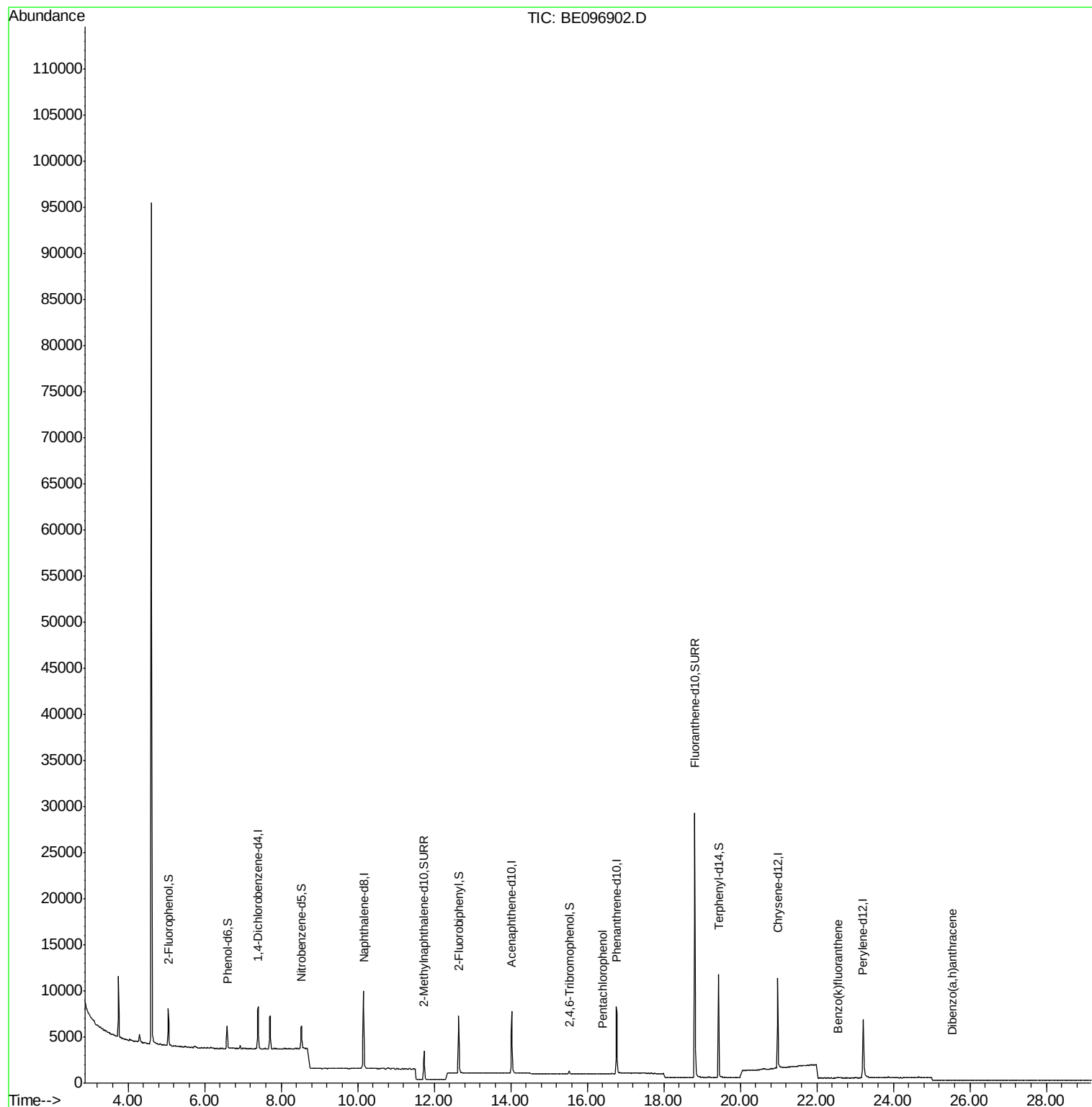
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2298	0.40	ng	0.01
7) Naphthalene-d8	10.16	136	9668	0.40	ng	0.01
13) Acenaphthene-d10	14.03	164	3987	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	10988	0.40	ng	0.00
27) Chrysene-d12	20.98	240	9552	0.40	ng	0.00
34) Perylene-d12	23.21	264	9522	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	1932	0.38	ng	0.00
5) Phenol-d6	6.60	99	2380	0.31	ng	0.01
8) Nitrobenzene-d5	8.53	82	2409	0.41	ng	0.01
11) 2-Methylnaphthalene-d10	11.74	152	4598	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	219	0.32	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	6006	0.41	ng	0.00
25) Fluoranthene-d10	18.81	212	38803	0.40	ng	0.00
29) Terphenyl-d14	19.43	244	9681	0.53	ng	0.00
Target Compounds						
22) Pentachlorophenol	16.40	266	1	0.036	ng	92
36) Benzo(k)fluoranthene	22.54	252	43	0.085	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	7	0.110	ng	# 1

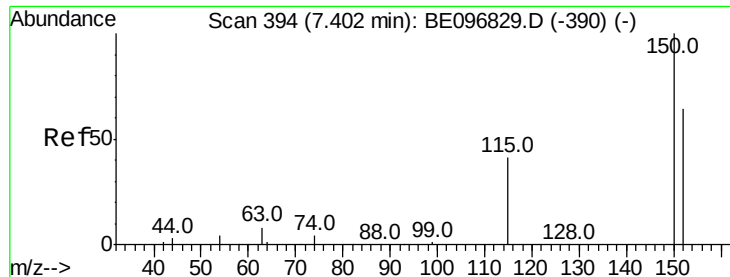
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE096902.D

Acq: 13 Jul 2018 12:17

Instrument :

BNA_E

ClientSampled :

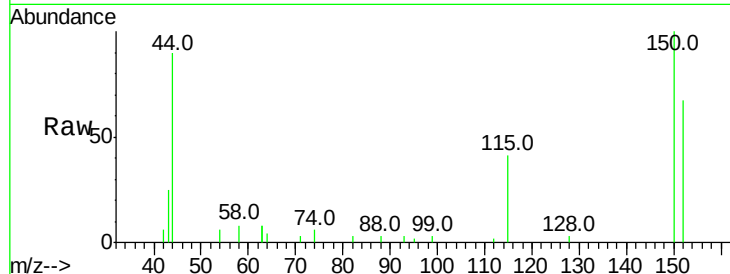
Tot Ion:152 Resp: 2298

Ion Ratio Lower Upper

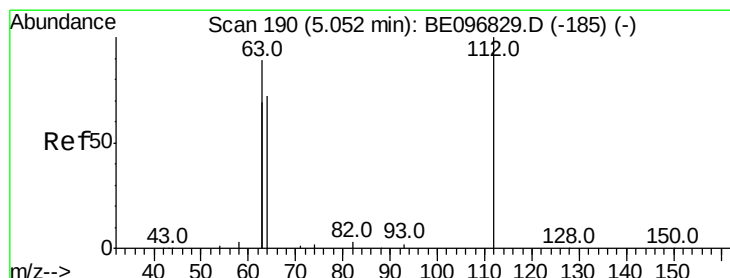
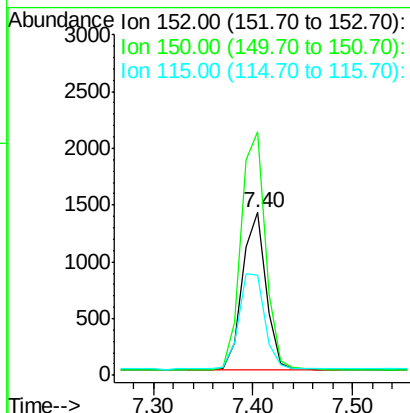
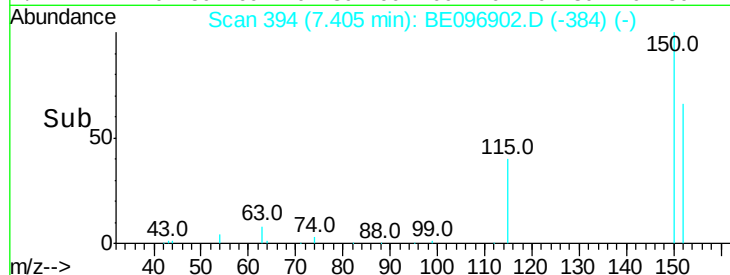
152 100

150 149.7 117.2 175.8

115 61.9 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



#4

2-Fluorophenol

Concen: 0.376 ng

RT: 5.06 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE096902.D

Acq: 13 Jul 2018 12:17

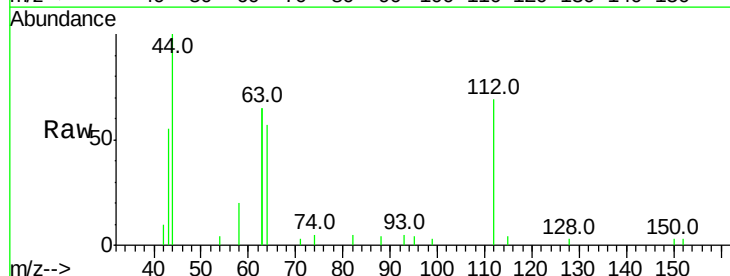
Tgt Ion:112 Resp: 1932

Ion Ratio Lower Upper

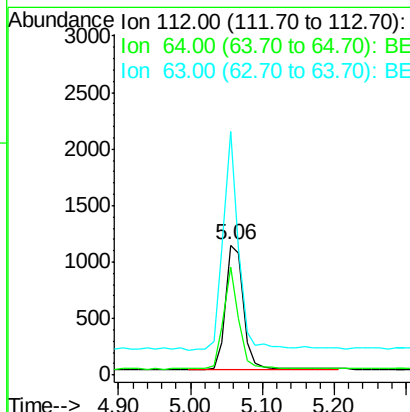
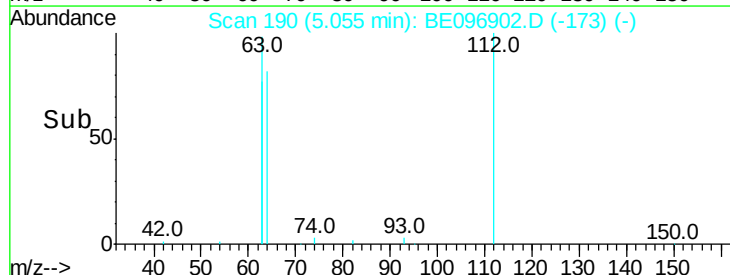
112 100

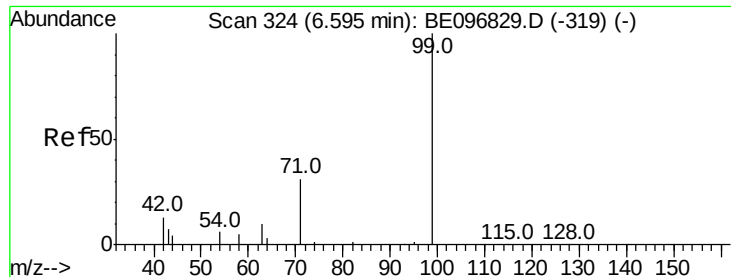
64 67.4 60.1 90.1

63 149.5 116.8 175.2



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: 0.311 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096902.D

Acq: 13 Jul 2018 12:17

Instrument :

BNA_E

ClientSampleId :

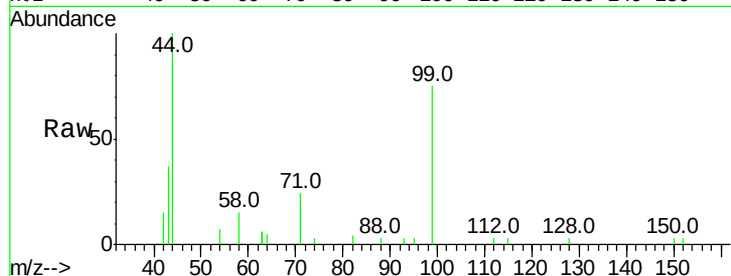
Tot Ion: 99 Resp: 2380

Ion Ratio Lower Upper

99 100

42 22.5 20.2 30.2

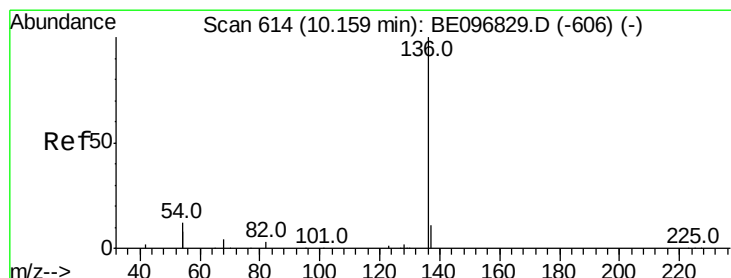
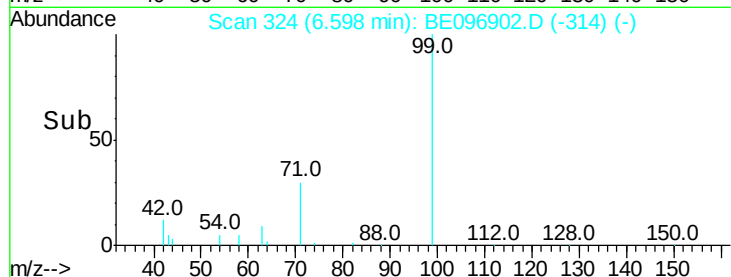
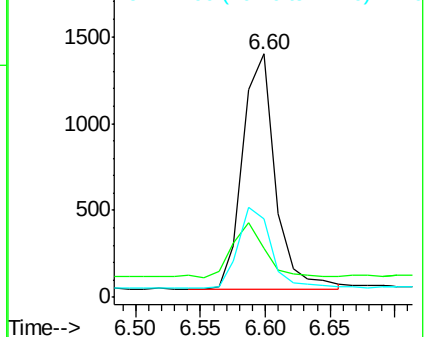
71 35.5 28.4 42.6



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. 0.01 min

Lab File: BE096902.D

Acq: 13 Jul 2018 12:17

Tgt Ion:136 Resp: 9668

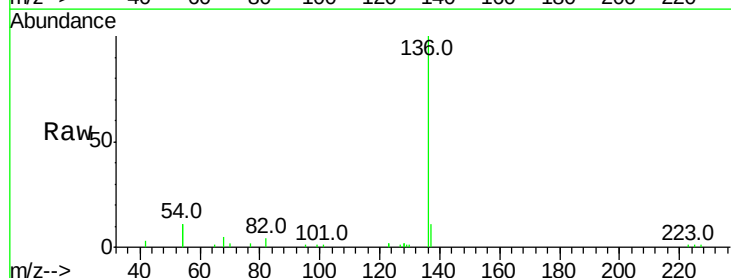
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 21.7 29.1 43.7#

68 4.8 6.2 9.2#

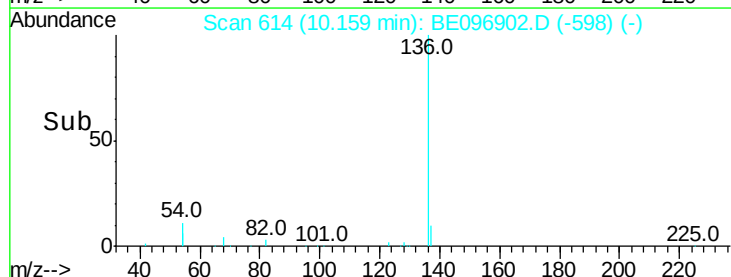
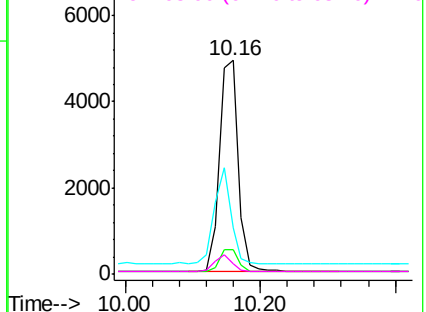


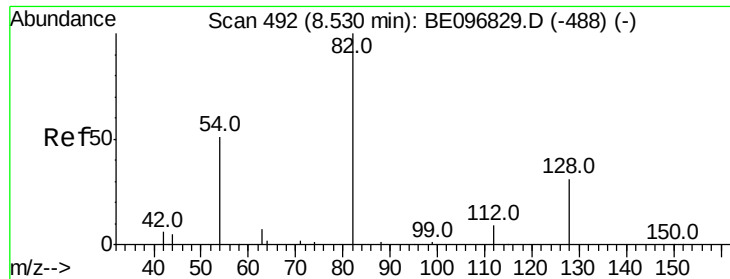
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.411 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096902.D

Acq: 13 Jul 2018 12:17

Instrument :

BNA_E

ClientSampleId :

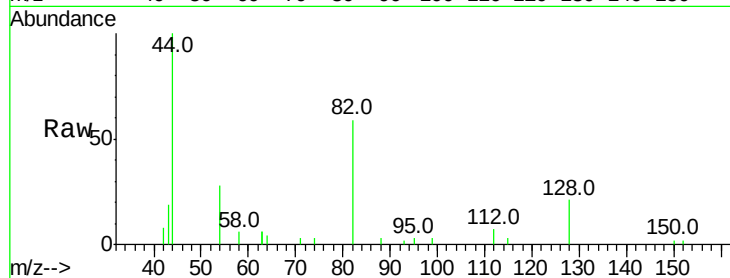
Tot Ion: 82 Resp: 2409

Ion Ratio Lower Upper

82 100

128 36.6 24.0 36.0#

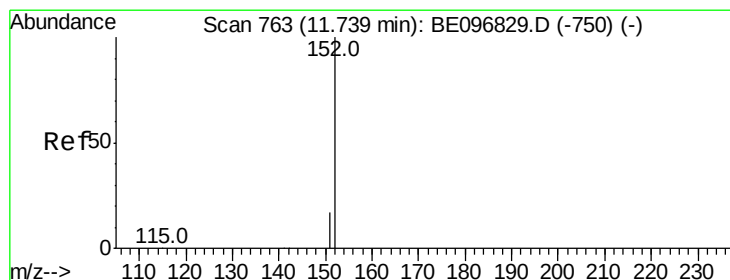
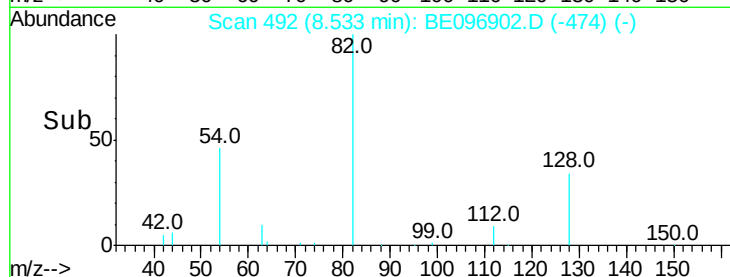
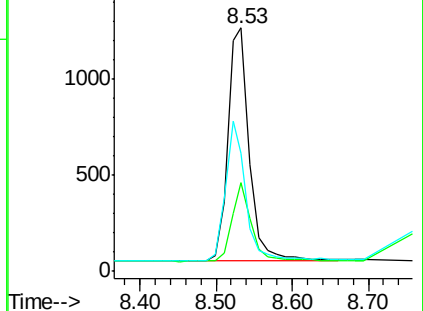
54 48.4 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.331 ng

RT: 11.74 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE096902.D

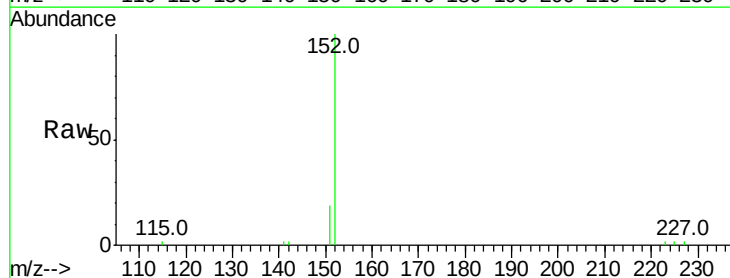
Acq: 13 Jul 2018 12:17

Tgt Ion:152 Resp: 4598

Ion Ratio Lower Upper

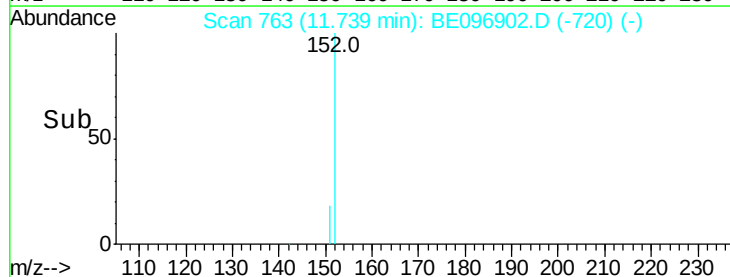
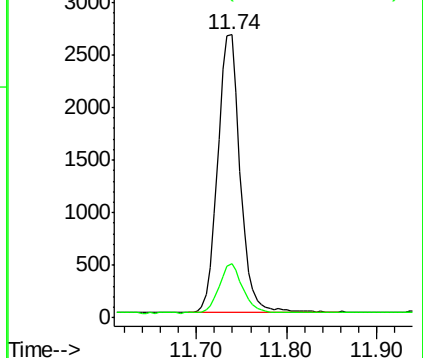
152 100

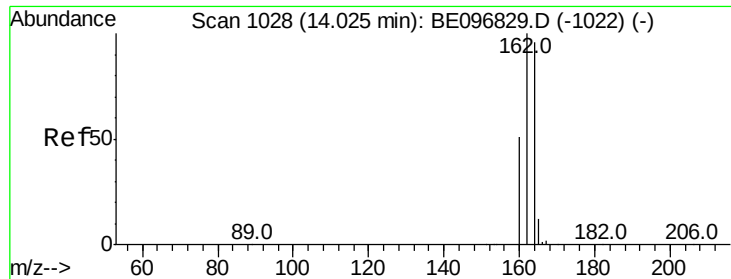
151 18.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

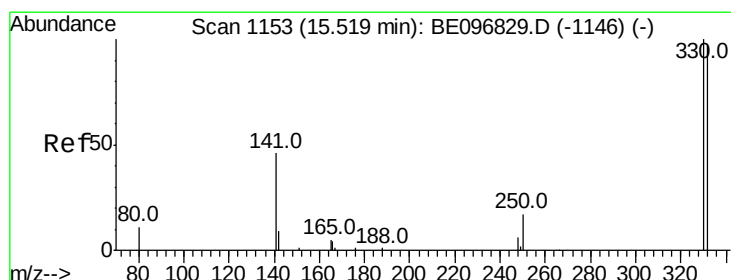
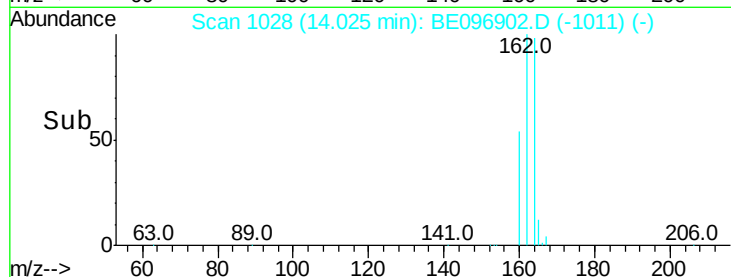
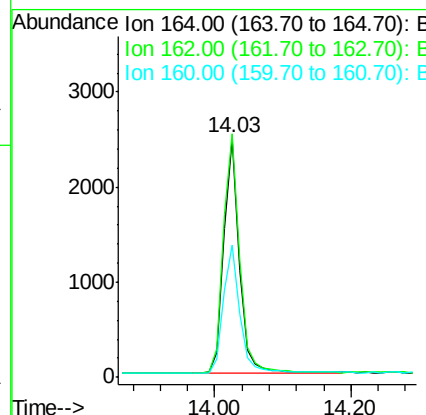
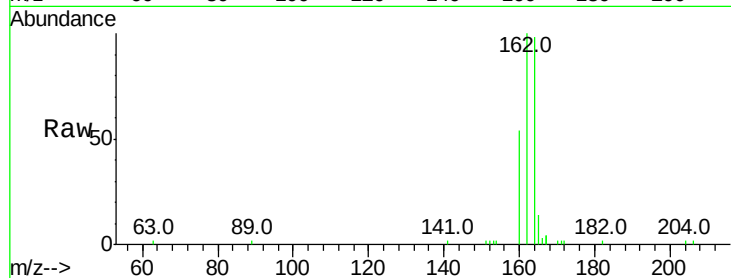




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE096902.D
Acq: 13 Jul 2018 12:17

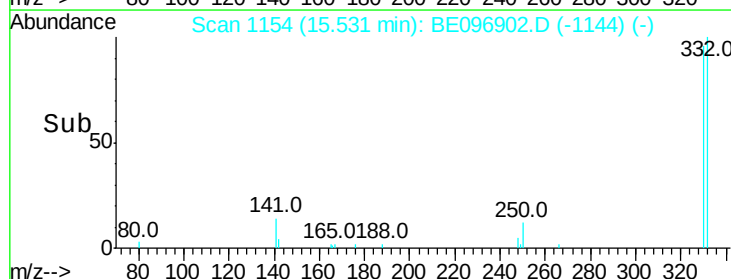
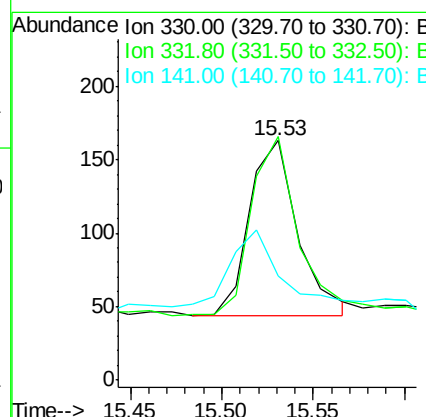
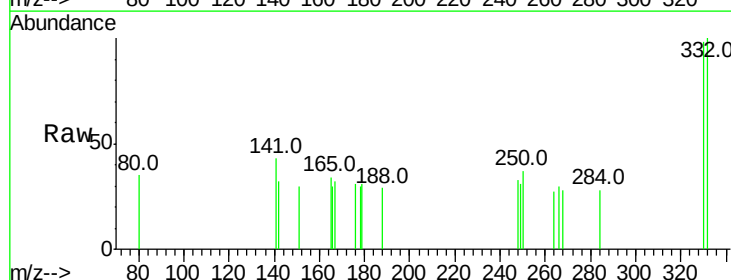
Instrument :
BNA_E
ClientSampleId :

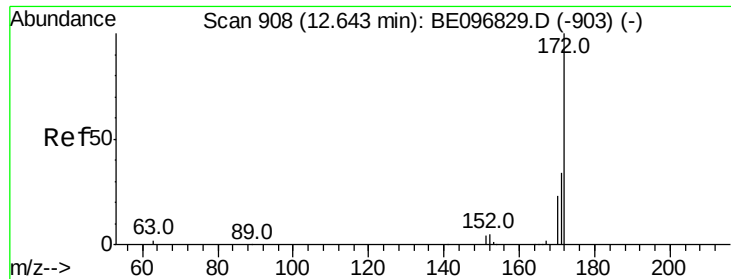
Tot Ion:164 Resp: 3987
Ion Ratio Lower Upper
164 100
162 102.0 83.1 124.7
160 55.5 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 15.53 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BE096902.D
Acq: 13 Jul 2018 12:17

Tgt Ion:330 Resp: 219
Ion Ratio Lower Upper
330 100
332 99.1 152.7 229.1#
141 52.5 33.7 50.5#

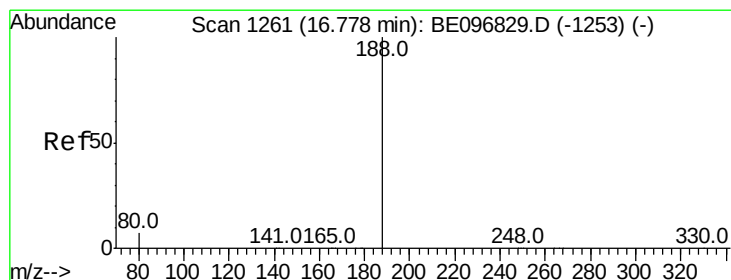
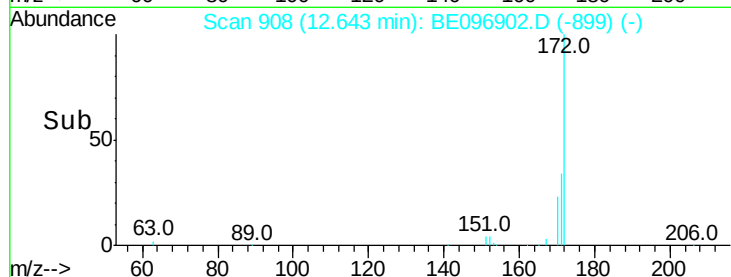
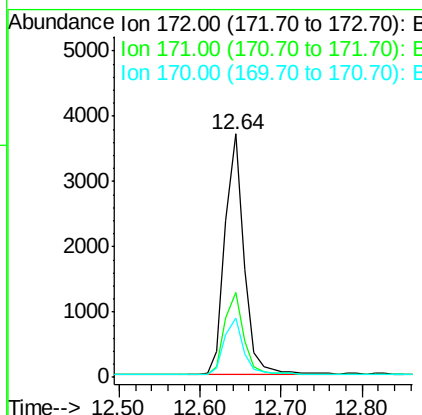
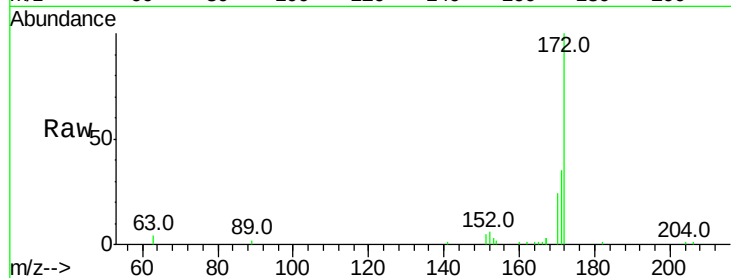




#15
2-Fluorobiphenyl
Concen: 0.412 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096902.D
Acq: 13 Jul 2018 12:17

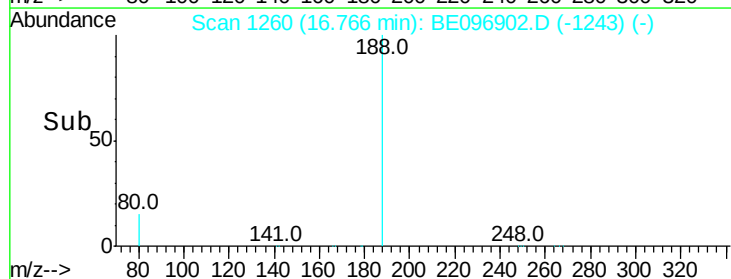
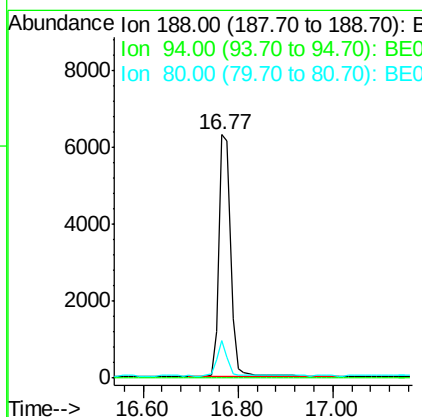
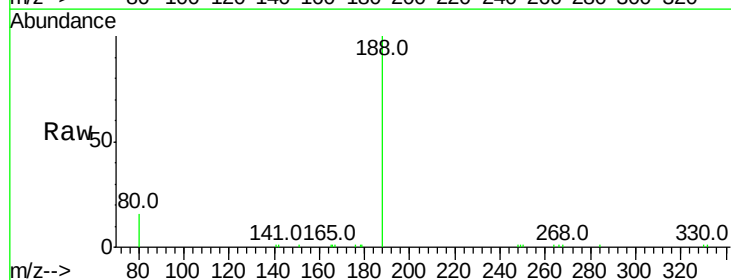
Instrument :
BNA_E
ClientSampleId :

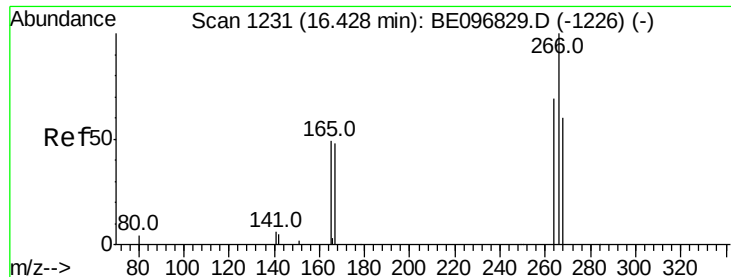
Tot Ion:172 Resp: 6006
Ion Ratio Lower Upper
172 100
171 35.1 29.9 44.9
170 24.1 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BE096902.D
Acq: 13 Jul 2018 12:17

Tgt Ion:188 Resp: 10988
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 15.7 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.036 ng

RT: 16.40 min Scan# 1229

Delta R.T. -0.02 min

Lab File: BE096902.D

Acq: 13 Jul 2018 12:17

Instrument :

BNA_E

ClientSampleId :

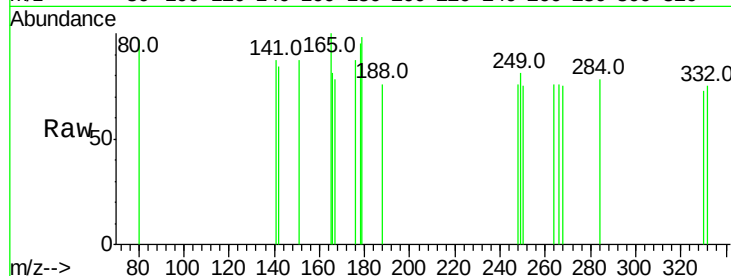
Tot Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 100.0 72.5 108.7

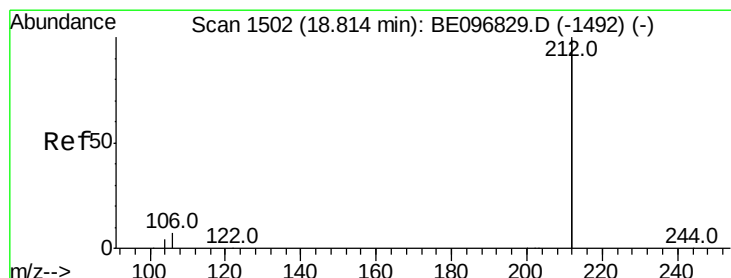
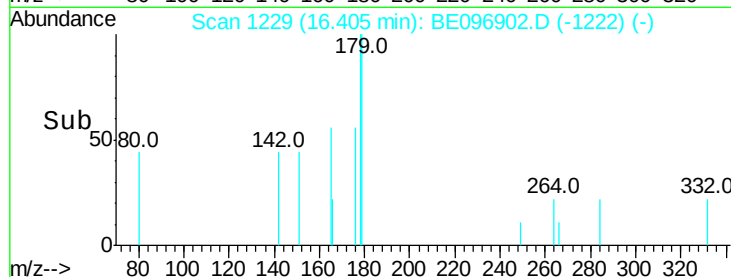
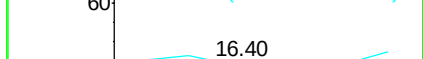
268 97.9 73.8 110.6



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: 0.401 ng

RT: 18.81 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE096902.D

Acq: 13 Jul 2018 12:17

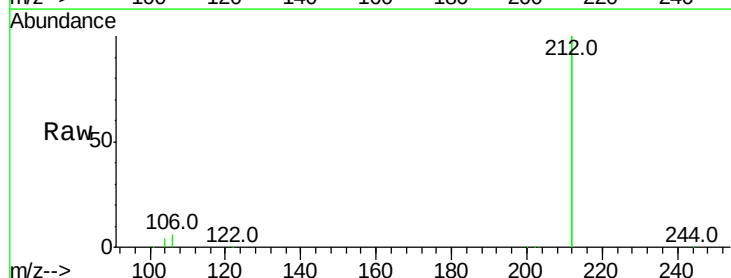
Tgt Ion:212 Resp: 38803

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

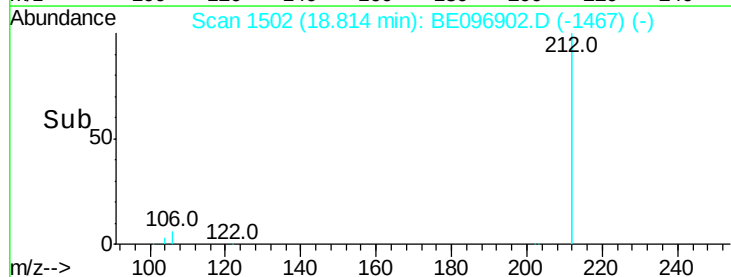
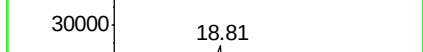
104 1.9 1.6 2.4

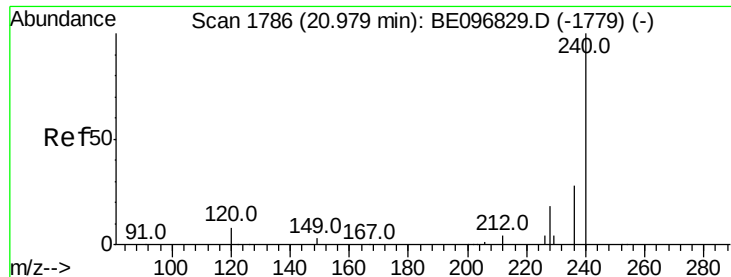


Abundance Ion 212.00 (211.70 to 212.70): E

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# 1786

Delta R.T. 0.00 min

Lab File: BE096902.D

Acq: 13 Jul 2018 12:17

Instrument :

BNA_E

ClientSampleId :

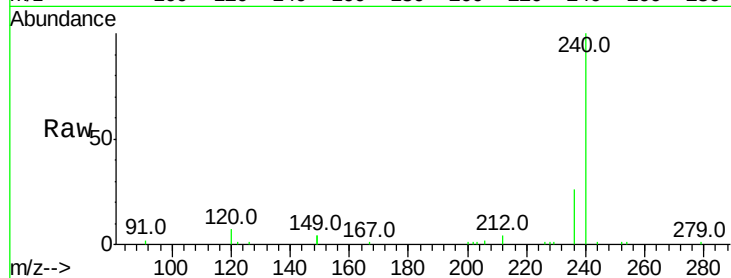
Tot Ion:240 Resp: 9552

Ion Ratio Lower Upper

240 100

120 7.1 5.5 8.3

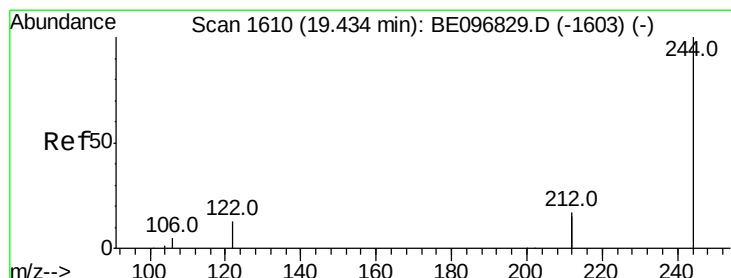
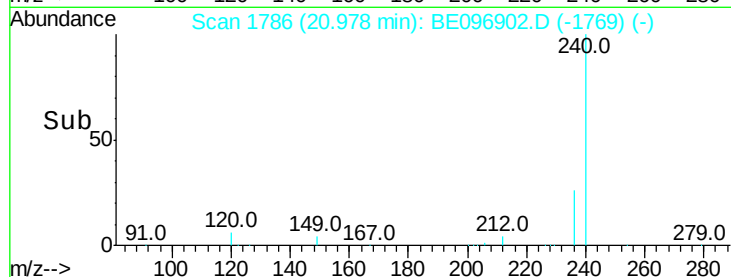
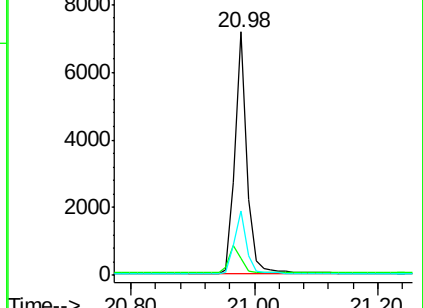
236 26.4 20.7 31.1



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: 0.525 ng

RT: 19.43 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE096902.D

Acq: 13 Jul 2018 12:17

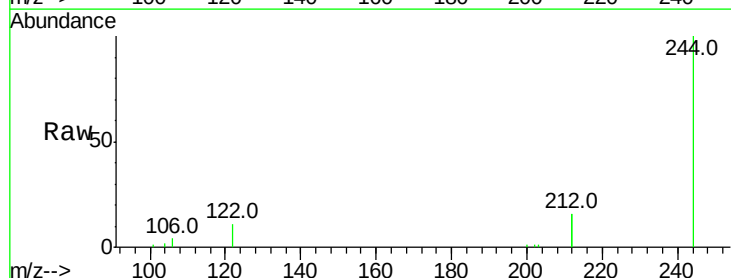
Tgt Ion:244 Resp: 9681

Ion Ratio Lower Upper

244 100

212 31.3 25.4 38.0

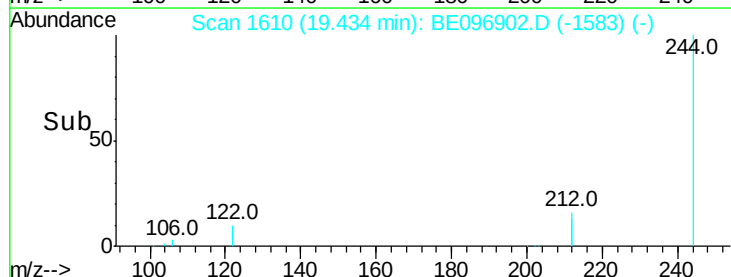
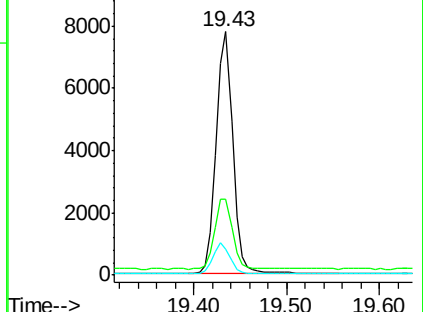
122 10.7 8.1 12.1

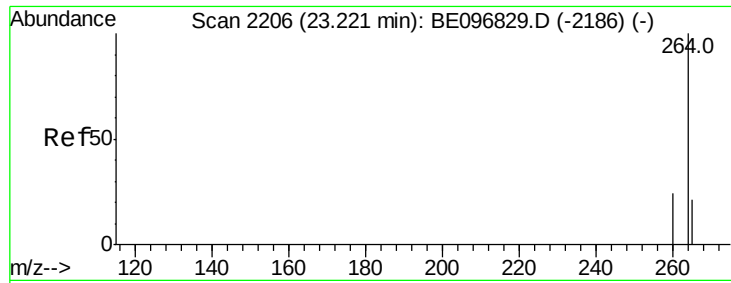


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

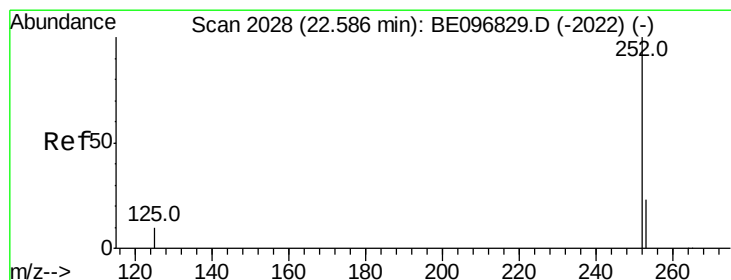
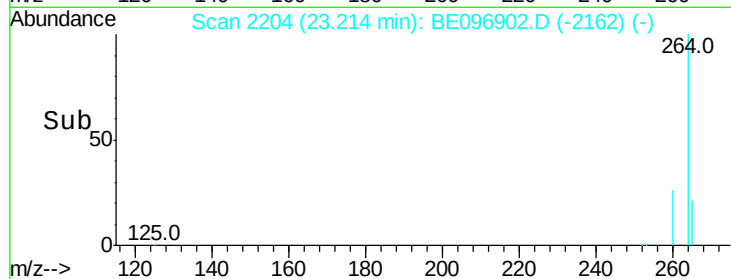
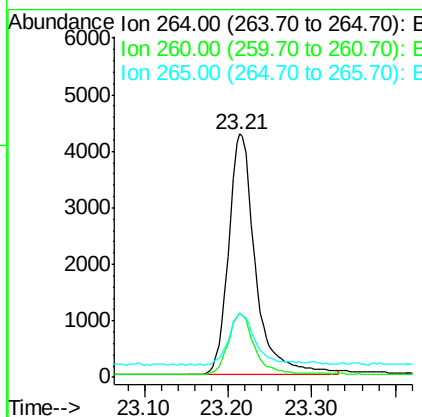
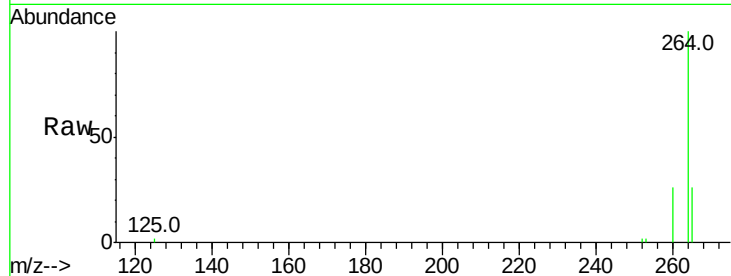




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BE096902.D
Acq: 13 Jul 2018 12:17

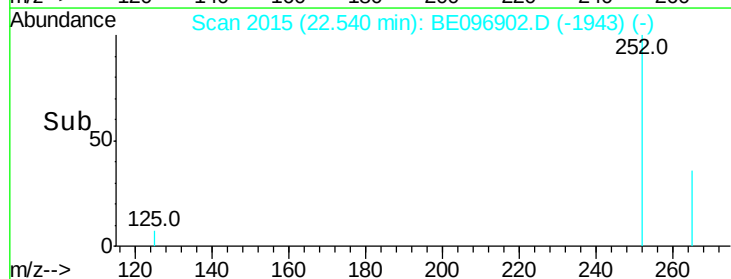
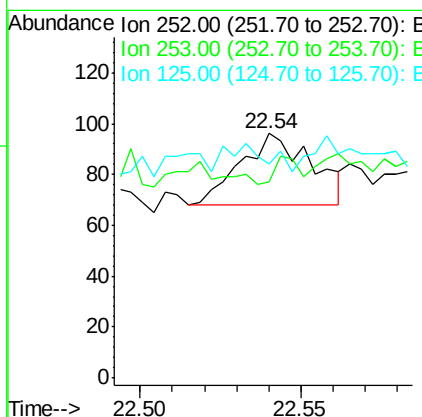
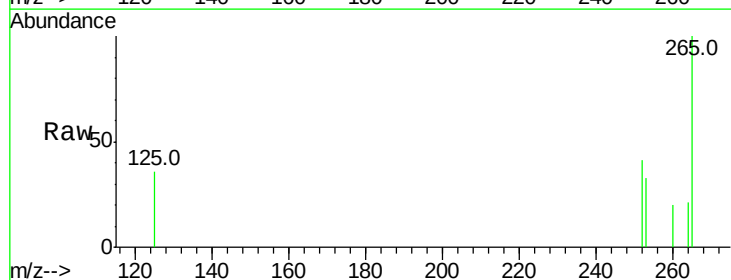
Instrument :
BNA_E
ClientSampleId :

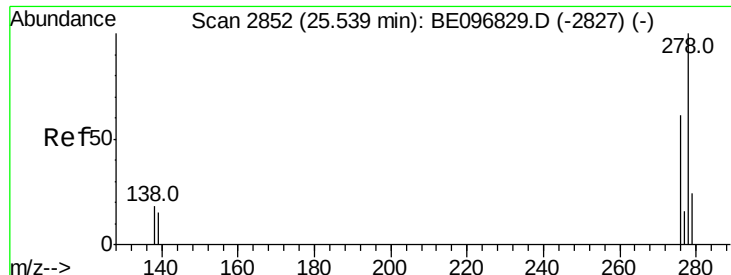
Tot Ion:264 Resp: 9522
Ion Ratio Lower Upper
264 100
260 26.4 20.5 30.7
265 26.4 22.8 34.2



#36
Benzo(k)fluoranthene
Concen: 0.085 ng
RT: 22.54 min Scan# 2015
Delta R.T. -0.04 min
Lab File: BE096902.D
Acq: 13 Jul 2018 12:17

Tgt Ion:252 Resp: 43
Ion Ratio Lower Upper
252 100
253 80.2 16.0 24.0#
125 87.5 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.110 ng

RT: 25.54 min Scan# 2852

Delta R.T. 0.01 min

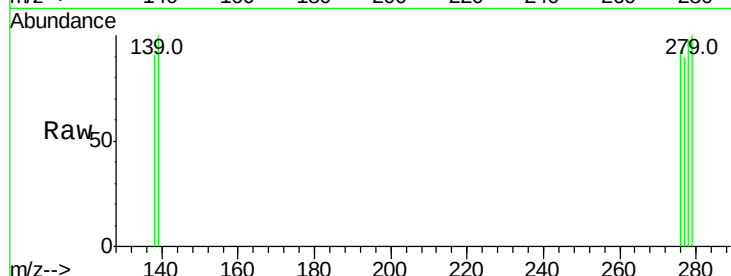
Lab File: BE096902.D

Acq: 13 Jul 2018 12:17

Instrument :

BNA_E

ClientSampleId :



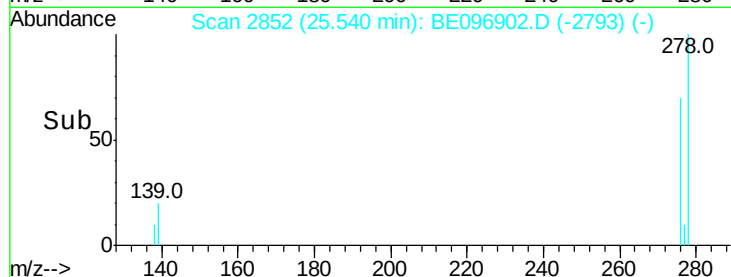
Tot Ion:278 Resp: 7

Ion Ratio Lower Upper

278 100

139 101.8 16.0 24.0#

279 101.8 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

