

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096905.D
 Acq On : 13 Jul 2018 14:11
 Operator : SJ/JU
 Sample : J3170-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 13 17:04:04 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	2085	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	10375	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5828	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	16001	0.40	ng	0.01
27) Chrysene-d12	20.98	240	15200	0.40	ng	0.00
34) Perylene-d12	23.21	264	14689	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1076	0.23	ng	0.00
5) Phenol-d6	6.60	99	914	0.13	ng	0.00
8) Nitrobenzene-d5	8.53	82	3345	0.53	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6736	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	819	0.56	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	11223	0.53	ng	0.00
25) Fluoranthene-d10	18.81	212	75959	0.54	ng	0.00
29) Terphenyl-d14	19.43	244	20300	0.69	ng	0.00

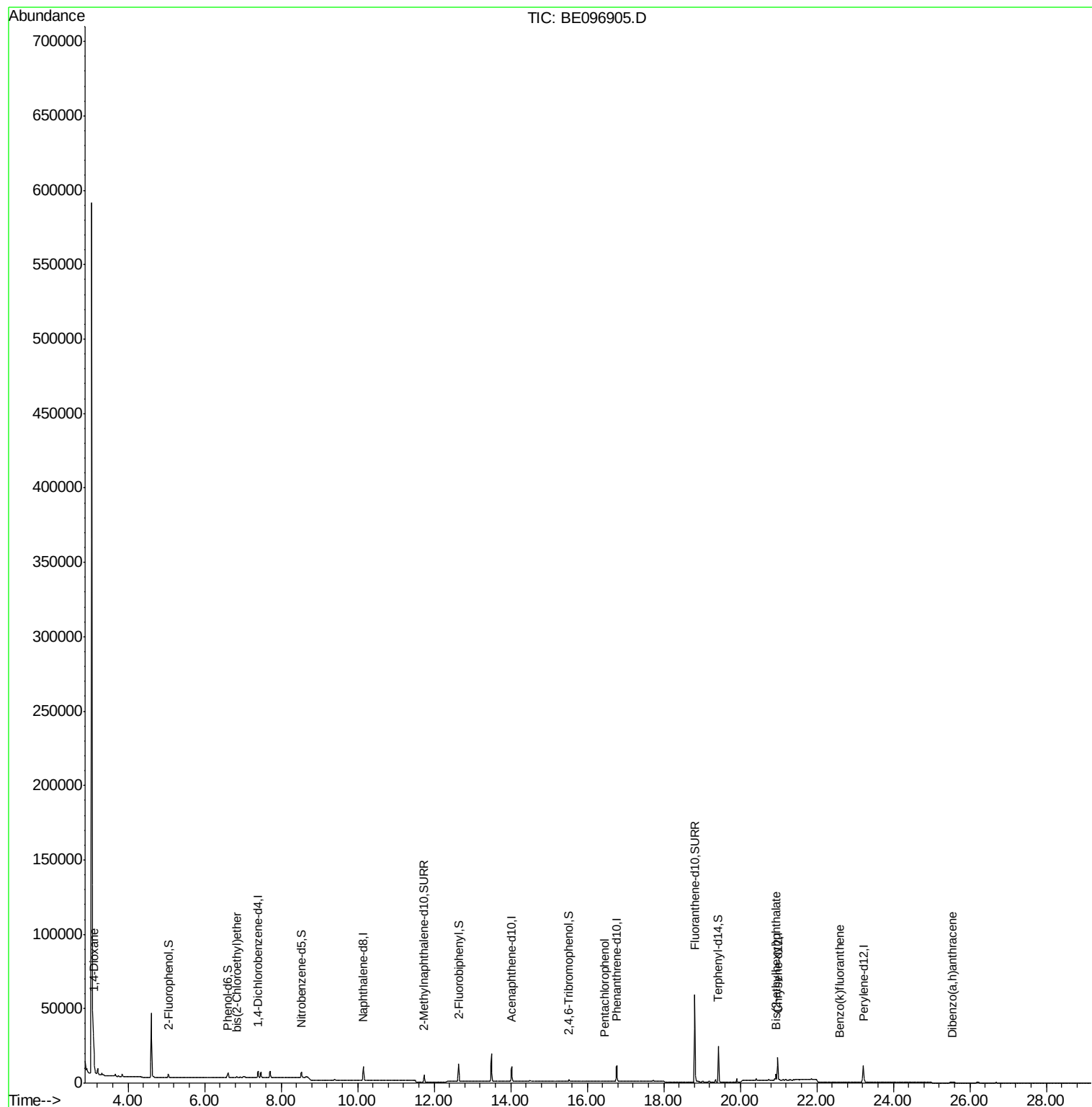
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	5363	1.716	ng	96
6) bis(2-Chloroethyl)ether	6.84	93	259	0.034	ng	# 68
22) Pentachlorophenol	16.45	266	9	0.042	ng	97
32) Bis(2-ethylhexyl)phthalate	20.93	149	4314	0.143	ng	98
36) Benzo(k)fluoranthene	22.59	252	154	0.086	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	69	0.111	ng	# 1

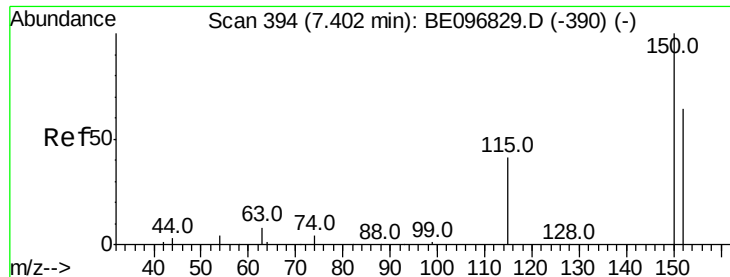
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. 0.01 min

Lab File: BE096905.D

Acq: 13 Jul 2018 14:11

Instrument :

BNA_E

ClientSampleId :

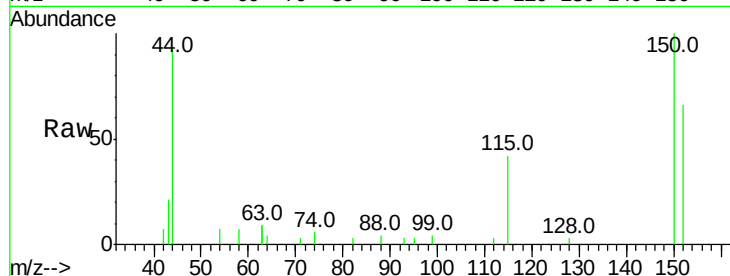
Tot Ion:152 Resp: 2085

Ion Ratio Lower Upper

152 100

150 151.6 117.2 175.8

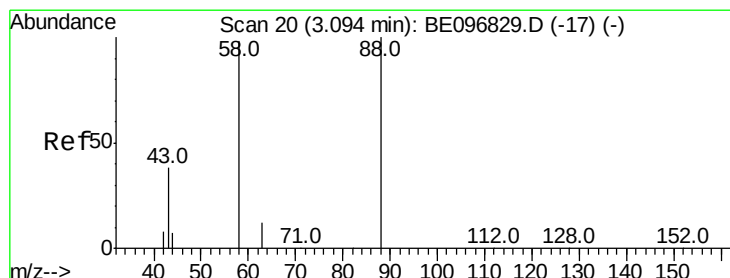
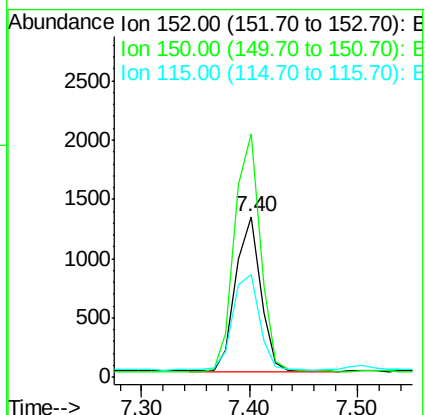
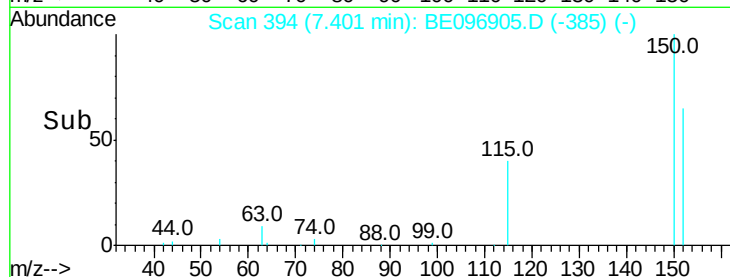
115 63.8 57.0 85.6



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: 1.716 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096905.D

Acq: 13 Jul 2018 14:11

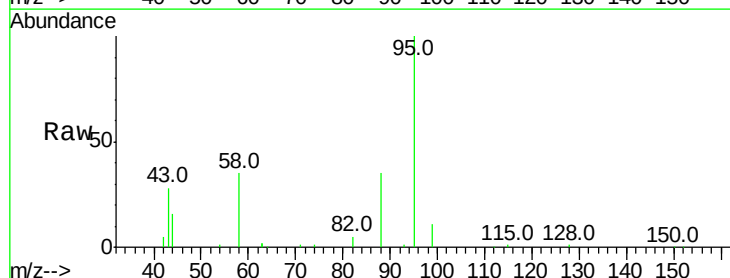
Tgt Ion: 88 Resp: 5363

Ion Ratio Lower Upper

88 100

58 83.7 63.2 94.8

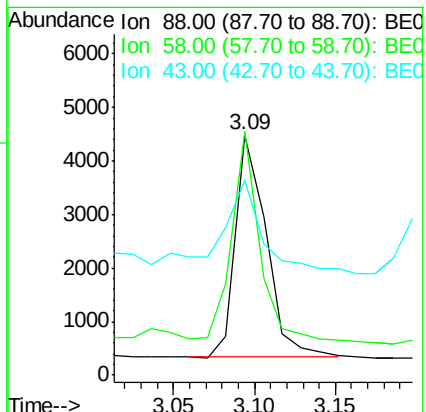
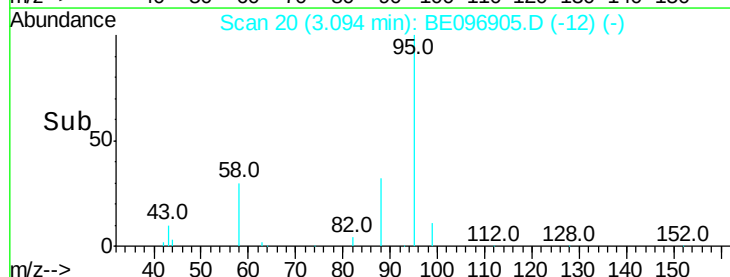
43 49.4 41.2 61.8

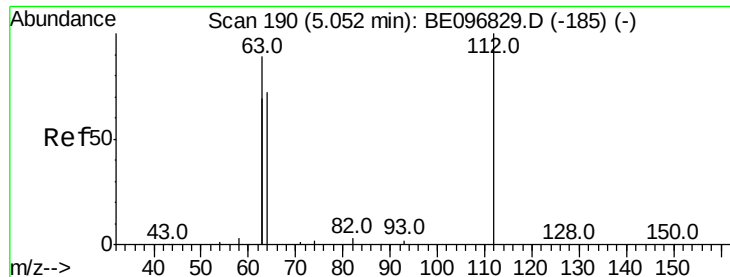


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.231 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096905.D

Acq: 13 Jul 2018 14:11

Instrument :

BNA_E

ClientSampleId :

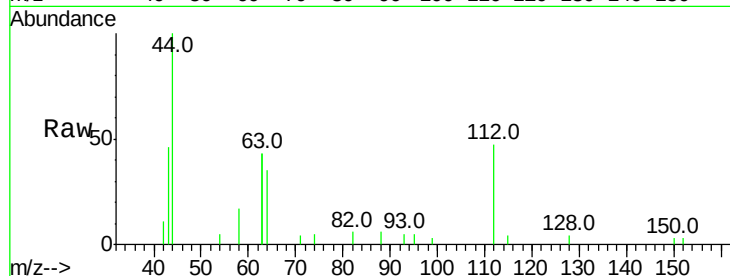
Tot Ion: 112 Resp: 1076

Ion Ratio Lower Upper

112 100

64 68.5 60.1 90.1

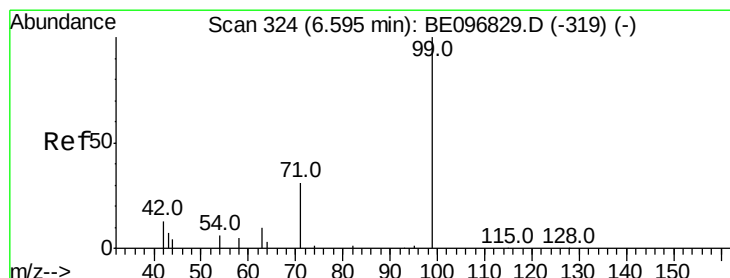
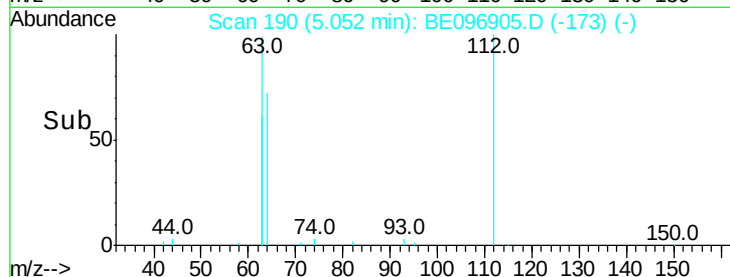
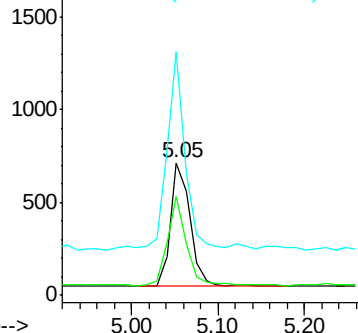
63 144.6 116.8 175.2



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: 0.131 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096905.D

Acq: 13 Jul 2018 14:11

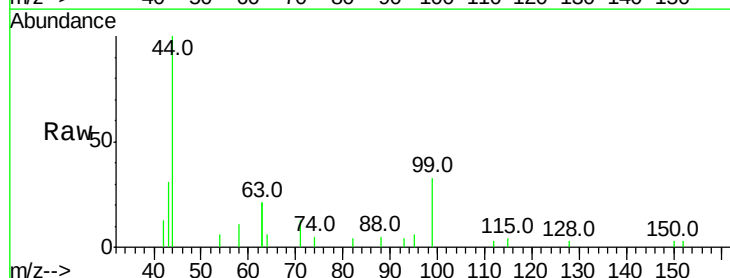
Tgt Ion: 99 Resp: 914

Ion Ratio Lower Upper

99 100

42 35.9 20.2 30.2#

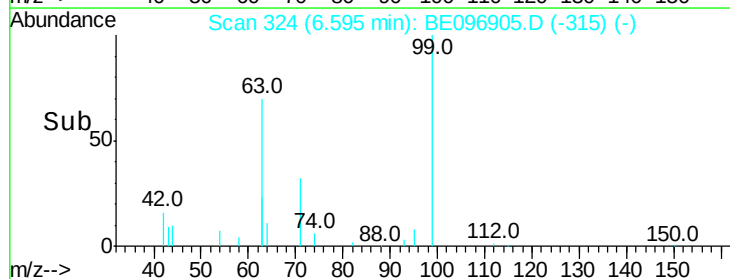
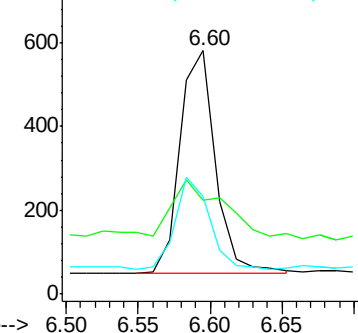
71 40.0 28.4 42.6

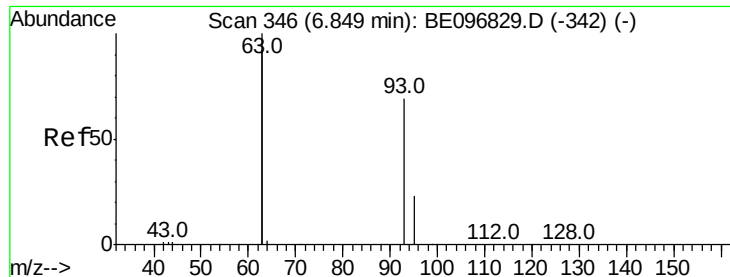


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.034 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096905.D

Acq: 13 Jul 2018 14:11

Instrument :

BNA_E

ClientSampleId :

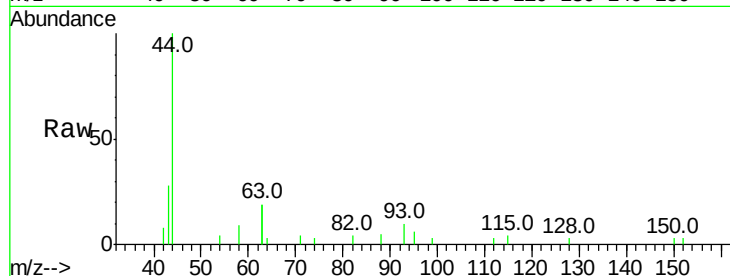
Tot Ion: 93 Resp: 259

Ion Ratio Lower Upper

93 100

63 269.9 275.3 412.9#

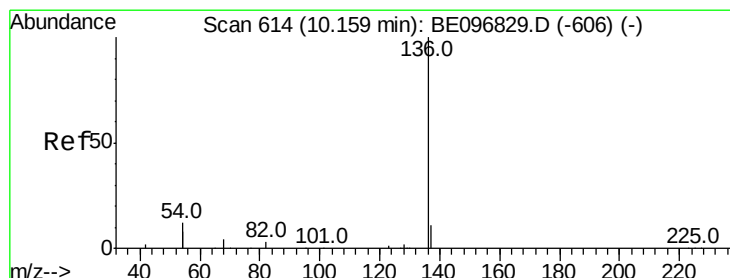
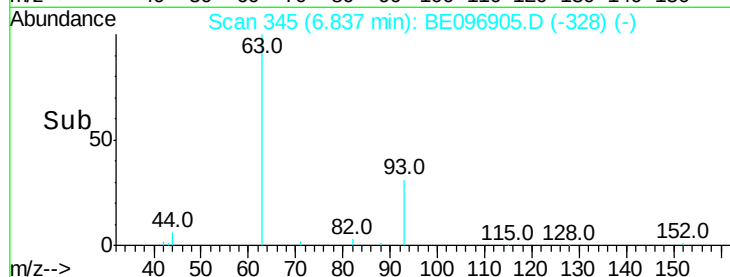
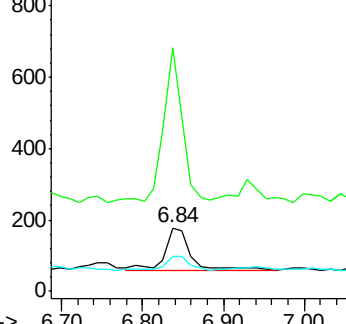
95 35.5 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096905.D

Acq: 13 Jul 2018 14:11

Tgt Ion:136 Resp: 10375

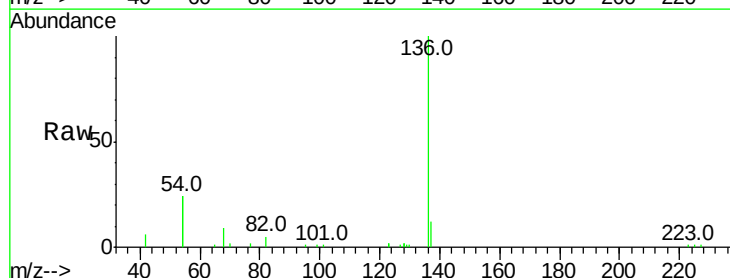
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 47.1 29.1 43.7#

68 8.6 6.2 9.2

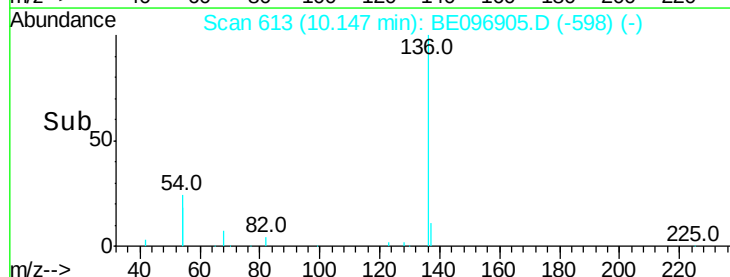
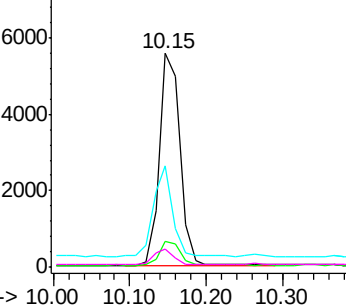


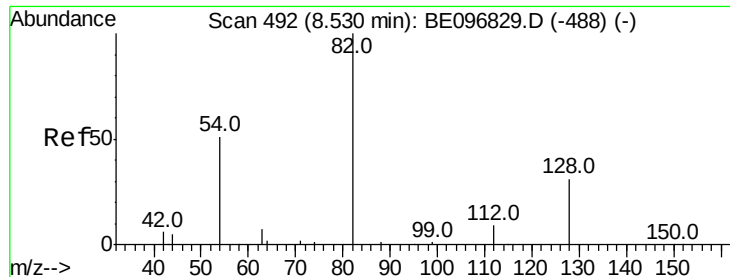
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 0.532 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096905.D

Acq: 13 Jul 2018 14:11

Instrument :

BNA_E

ClientSampleId :

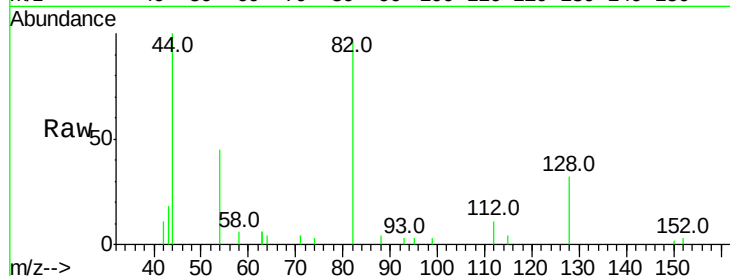
Tot Ion: 82 Resp: 3345

Ion Ratio Lower Upper

82 100

128 33.3 24.0 36.0

54 47.5 40.0 60.0

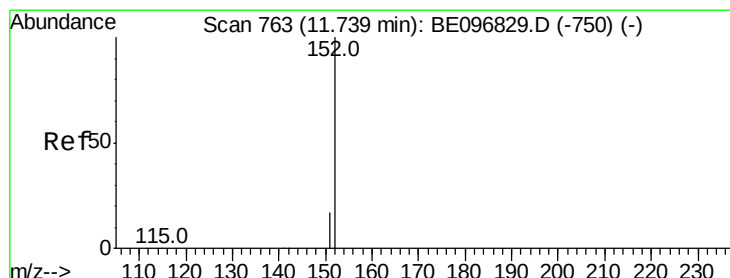
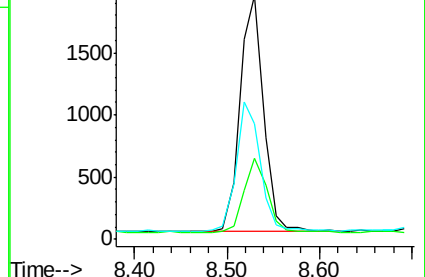
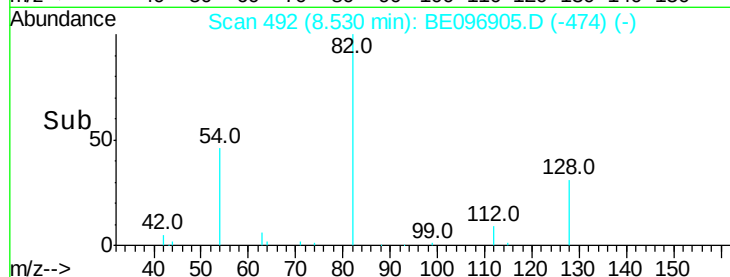


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.451 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096905.D

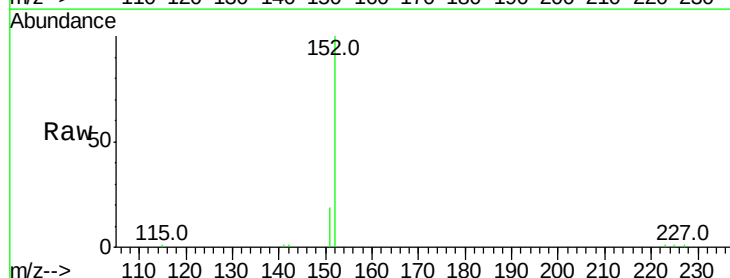
Acq: 13 Jul 2018 14:11

Tgt Ion:152 Resp: 6736

Ion Ratio Lower Upper

152 100

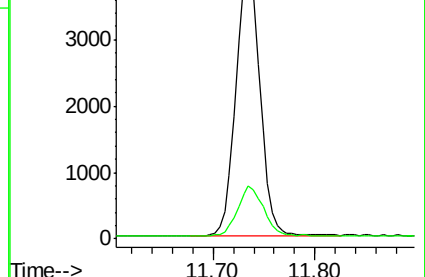
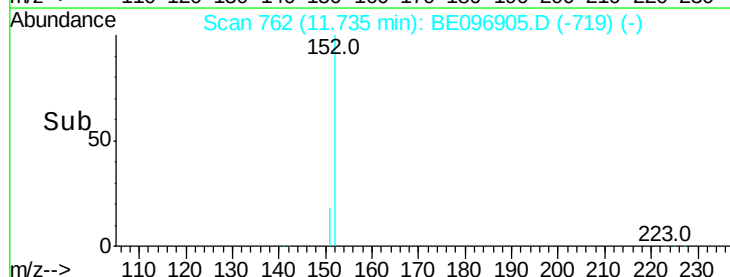
151 19.4 15.4 23.0

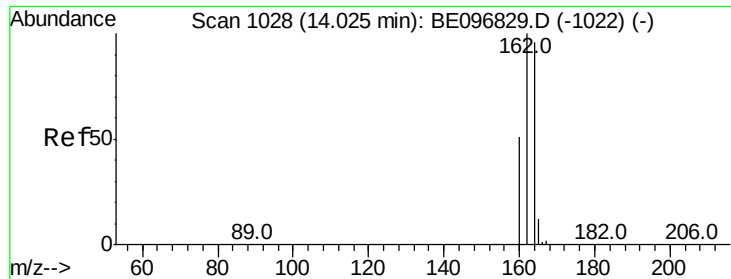


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Time-->

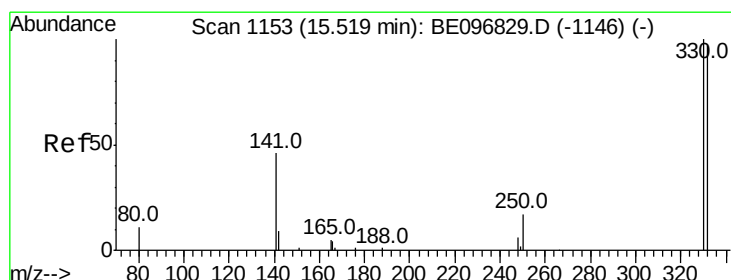
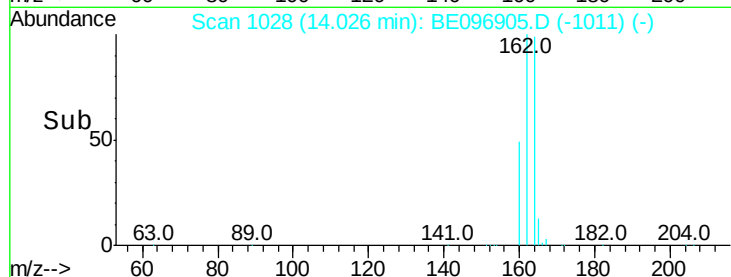
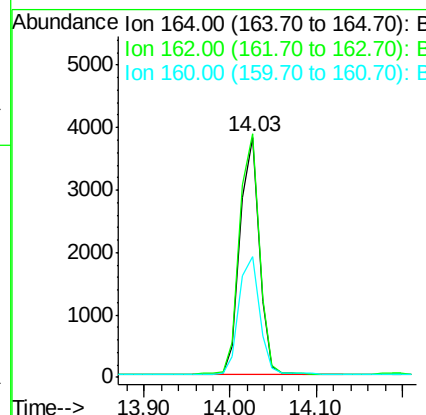
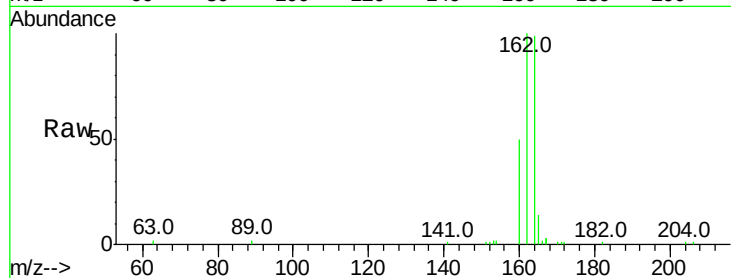




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.03 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BE096905.D
 Acq: 13 Jul 2018 14:11

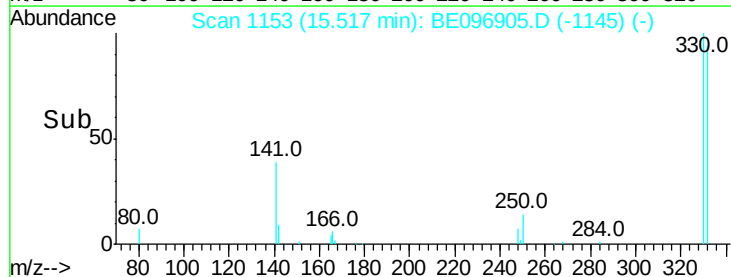
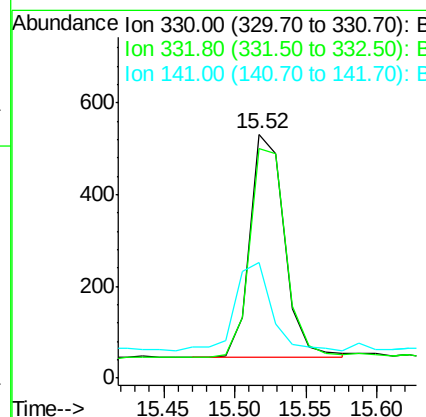
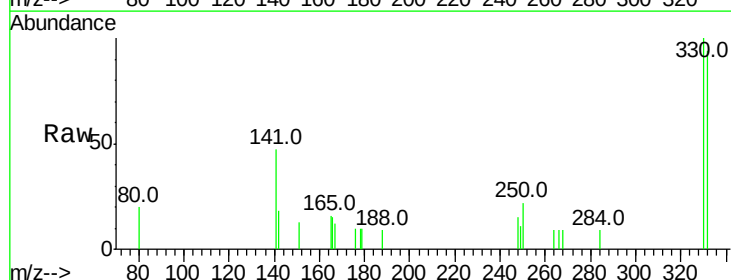
Instrument :
 BNA_E
 ClientSampled :

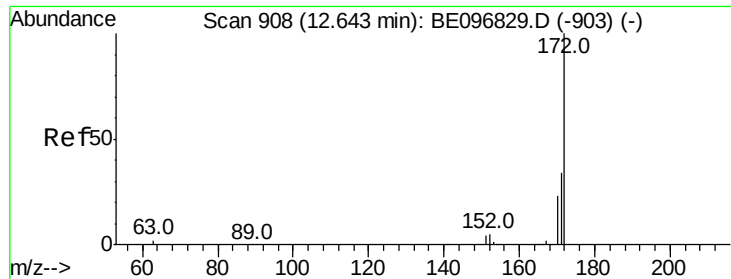
Tot Ion:164 Resp: 5828
 Ion Ratio Lower Upper
 164 100
 162 101.5 83.1 124.7
 160 50.3 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.565 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE096905.D
 Acq: 13 Jul 2018 14:11

Tgt Ion:330 Resp: 819
 Ion Ratio Lower Upper
 330 100
 332 98.0 152.7 229.1#
 141 41.4 33.7 50.5

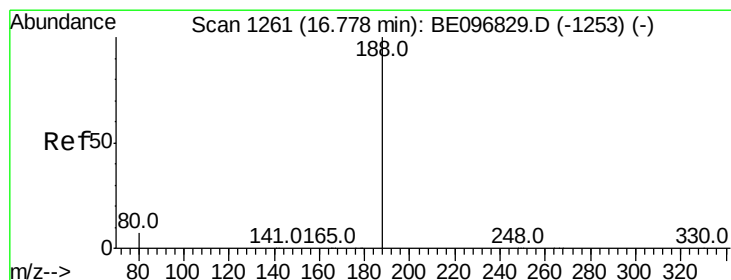
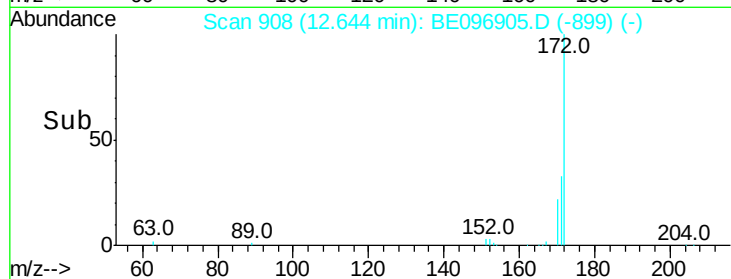
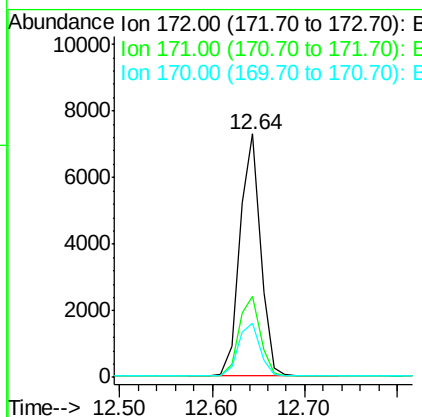
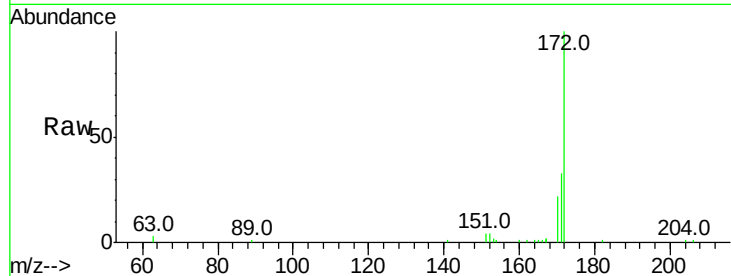




#15
2-Fluorobiphenyl
Concen: 0.526 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096905.D
Acq: 13 Jul 2018 14:11

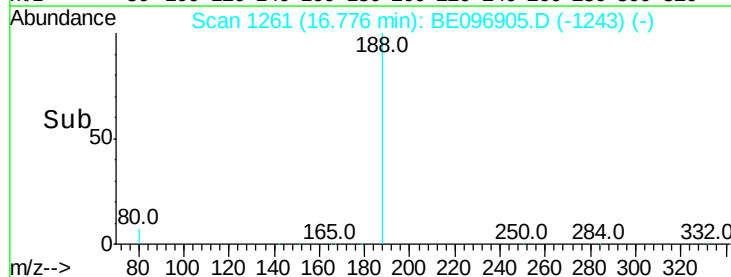
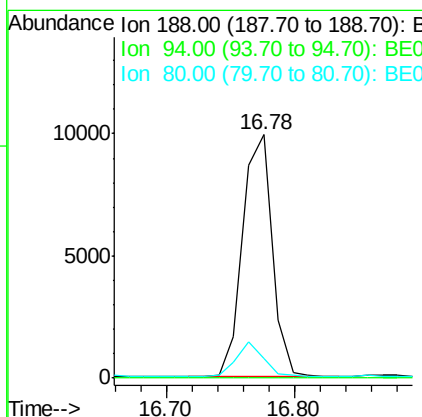
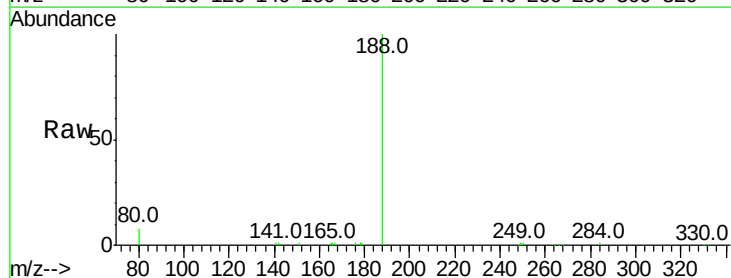
Instrument :
BNA_E
ClientSampleId :

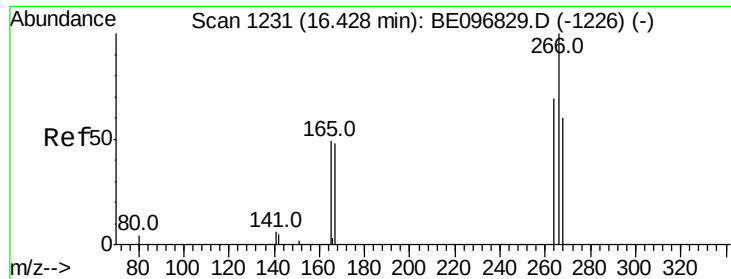
Tot Ion:172 Resp: 11223
Ion Ratio Lower Upper
172 100
171 33.2 29.9 44.9
170 22.3 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BE096905.D
Acq: 13 Jul 2018 14:11

Tgt Ion:188 Resp: 16001
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 8.1 3.6 5.4#



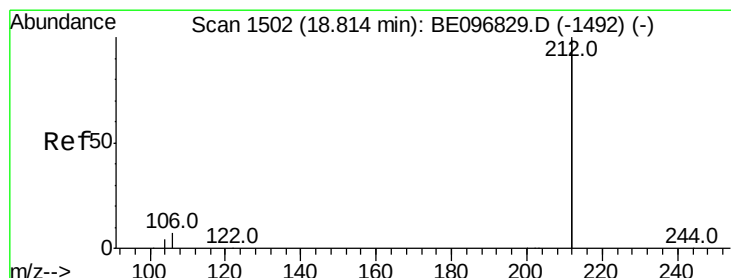
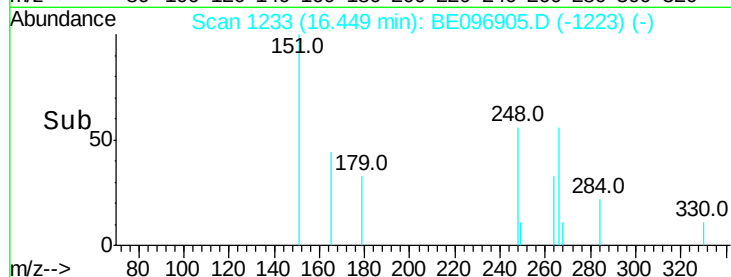
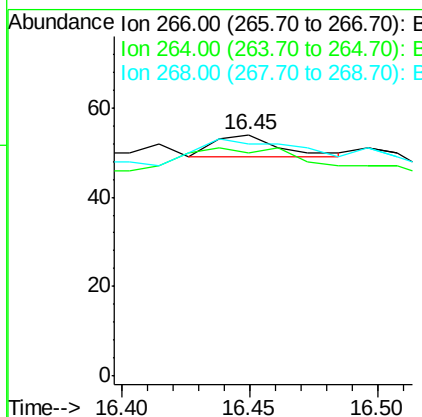
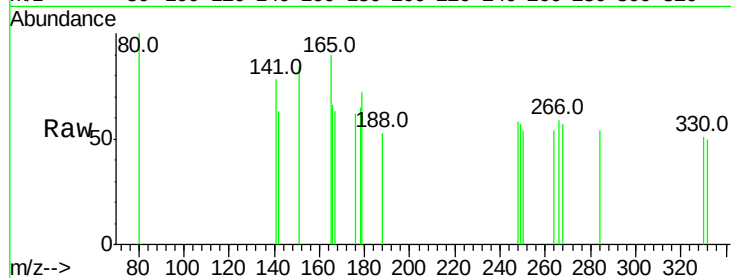


#22
 Pentachlorophenol
 Concen: 0.042 ng
 RT: 16.45 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: BE096905.D
 Acq: 13 Jul 2018 14:11

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:266 Resp: 9

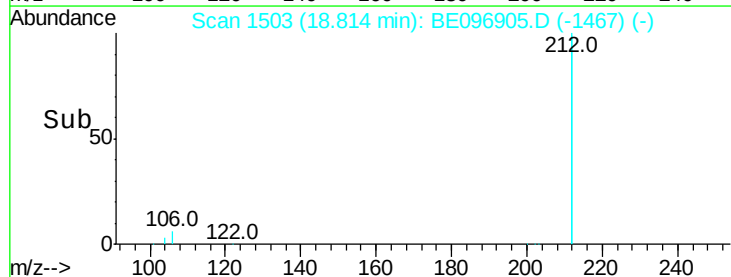
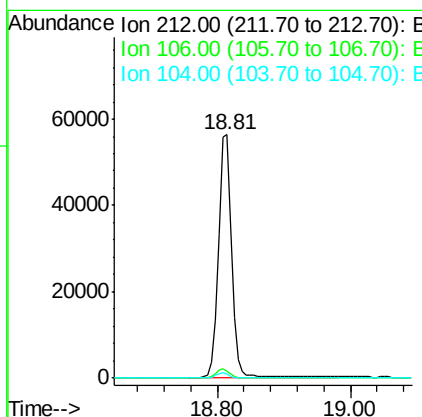
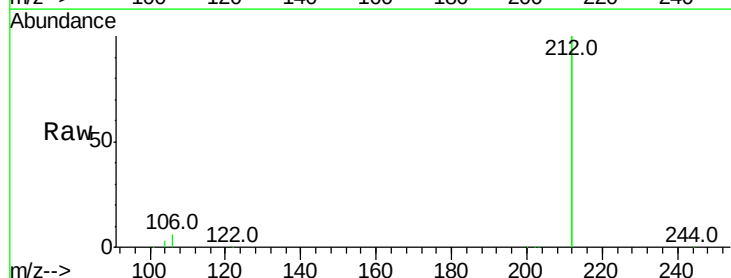
Ion	Ratio	Lower	Upper
266	100		
264	92.6	72.5	108.7
268	96.3	73.8	110.6

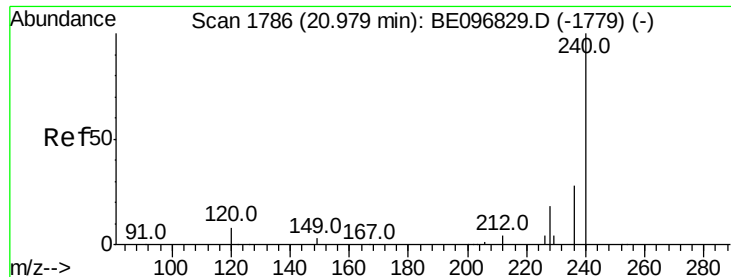


#25
 Fluoranthene-d10
 Concen: 0.539 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: BE096905.D
 Acq: 13 Jul 2018 14:11

Tgt Ion:212 Resp: 75959

Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.8	4.2
104	2.0	1.6	2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096905.D

Acq: 13 Jul 2018 14:11

Instrument :

BNA_E

ClientSampleId :

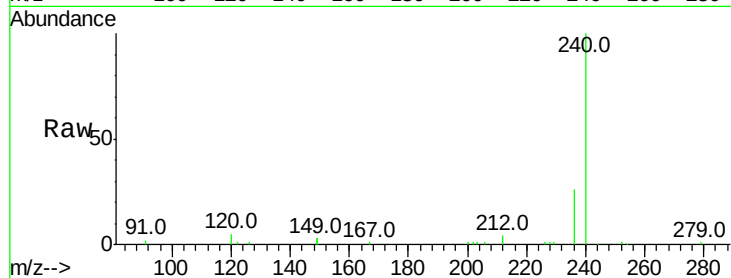
Tot Ion:240 Resp: 15200

Ion Ratio Lower Upper

240 100

120 5.4 5.5 8.3#

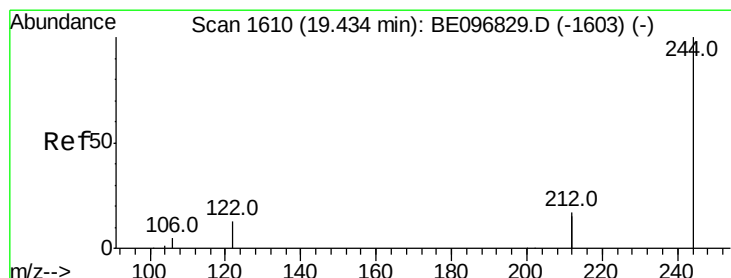
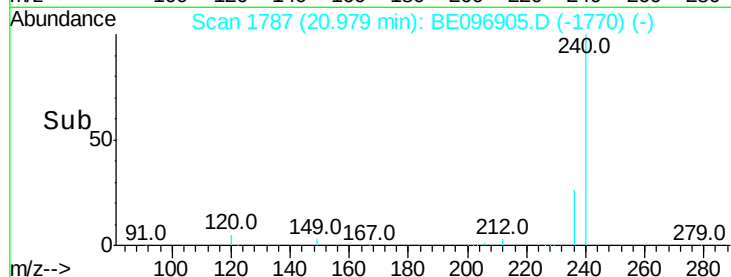
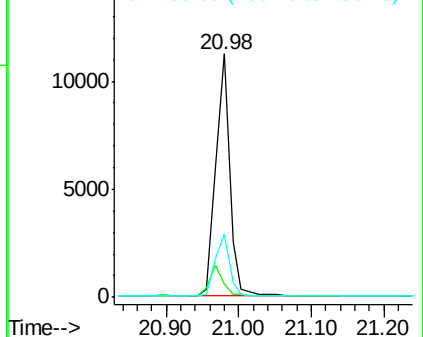
236 26.1 20.7 31.1



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: 0.692 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE096905.D

Acq: 13 Jul 2018 14:11

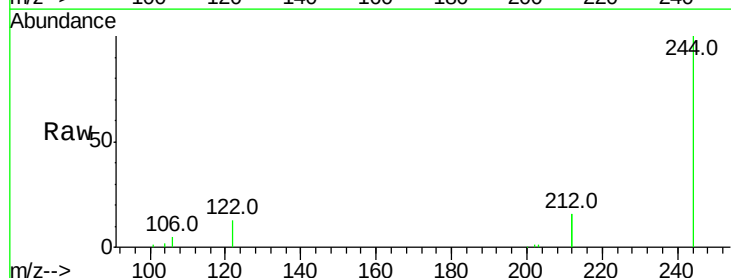
Tgt Ion:244 Resp: 20300

Ion Ratio Lower Upper

244 100

212 32.2 25.4 38.0

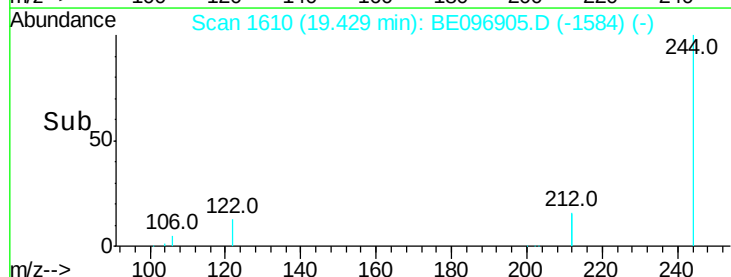
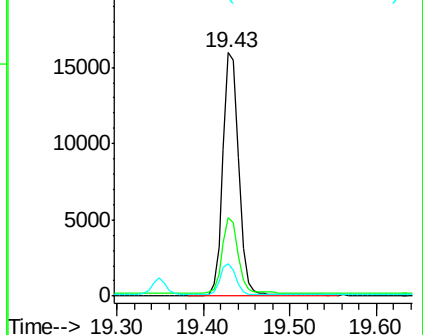
122 13.4 8.1 12.1#

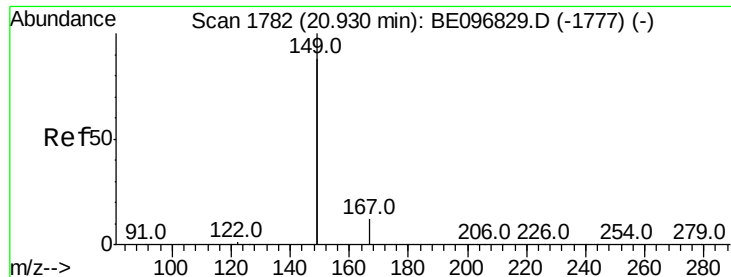


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.143 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096905.D

Acq: 13 Jul 2018 14:11

Instrument :

BNA_E

ClientSampleId :

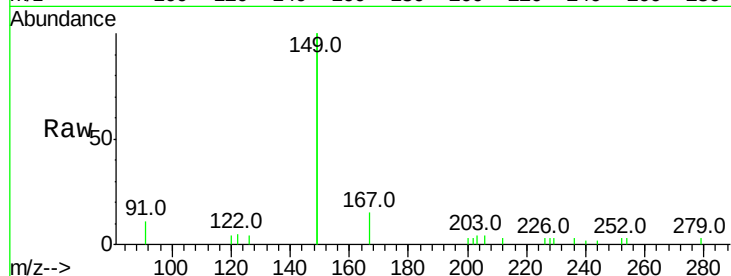
Tot Ion:149 Resp: 4314

Ion Ratio Lower Upper

149 100

167 7.6 5.4 8.0

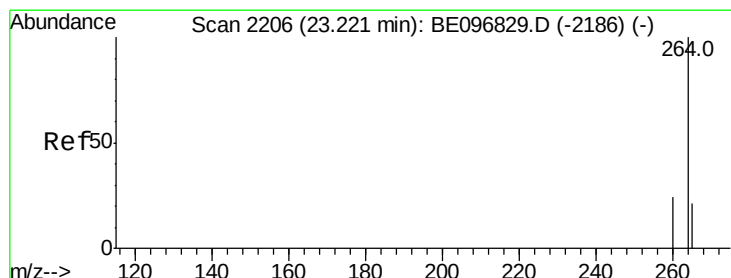
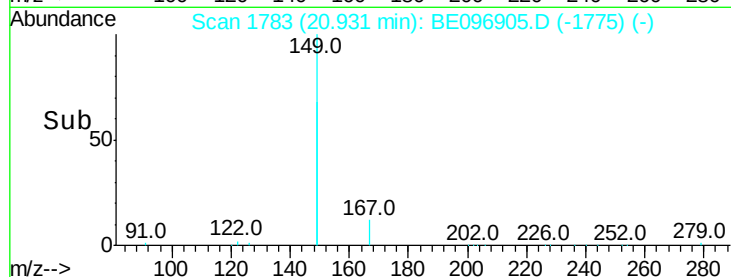
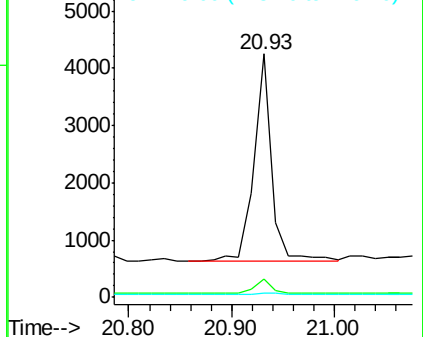
279 1.1 0.7 1.1



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# 2205

Delta R.T. -0.00 min

Lab File: BE096905.D

Acq: 13 Jul 2018 14:11

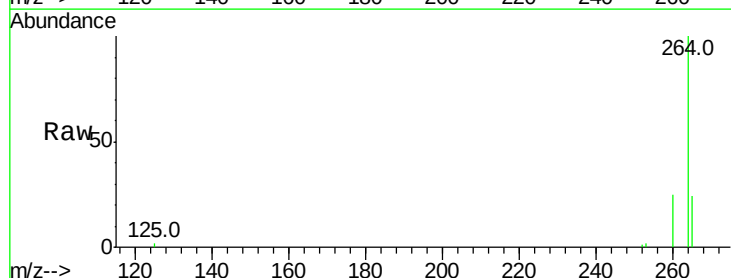
Tgt Ion:264 Resp: 14689

Ion Ratio Lower Upper

264 100

260 25.0 20.5 30.7

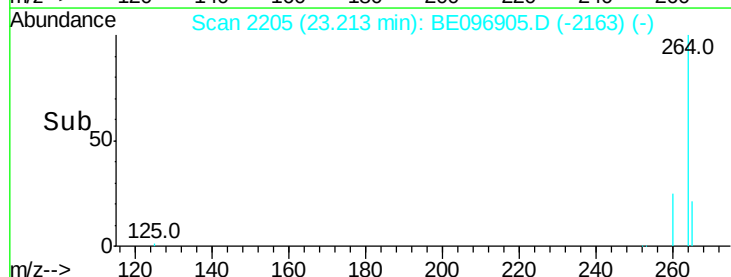
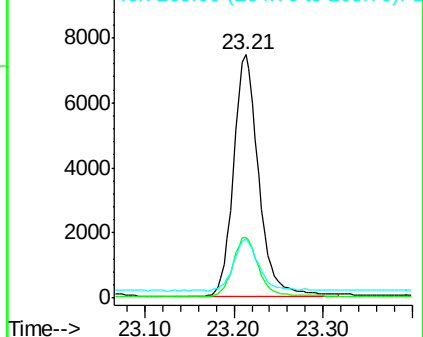
265 24.2 22.8 34.2

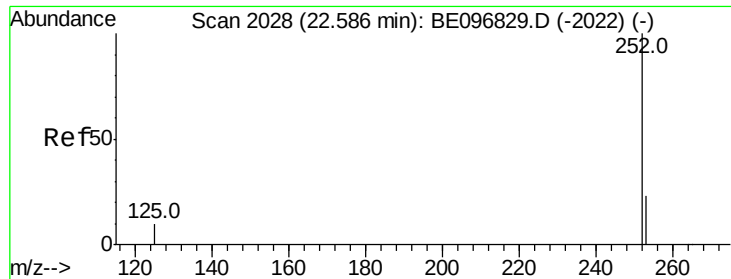


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

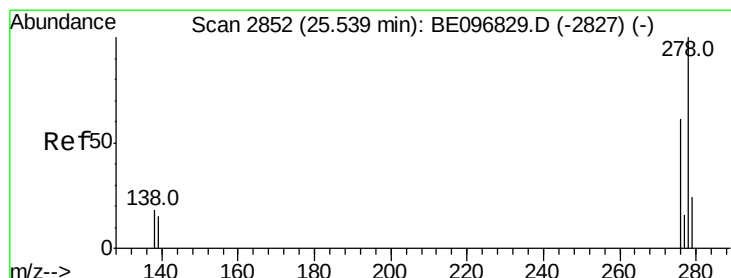
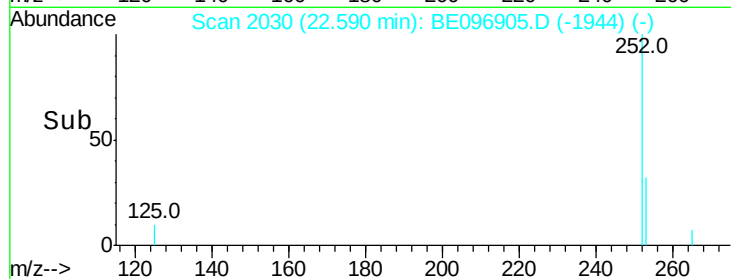
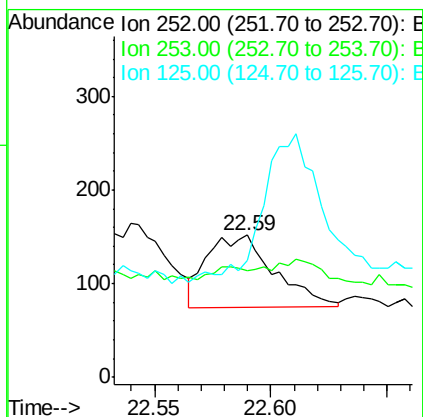
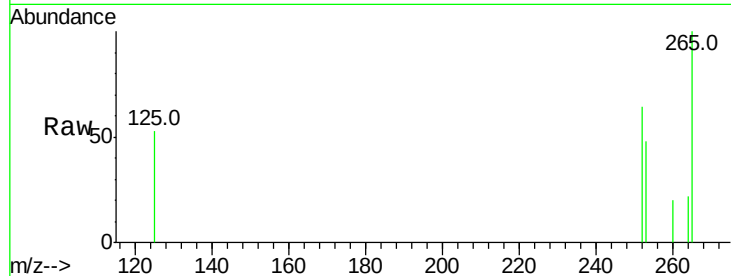




#36
Benzo(k)fluoranthene
Concen: 0.086 ng
RT: 22.59 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BE096905.D
Acq: 13 Jul 2018 14:11

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 154
Ion Ratio Lower Upper
252 100
253 75.0 16.0 24.0#
125 82.2 8.0 12.0#



#38
Dibenzo(a,h)anthracene
Concen: 0.111 ng
RT: 25.54 min Scan# 2854
Delta R.T. 0.01 min
Lab File: BE096905.D
Acq: 13 Jul 2018 14:11

Tgt Ion:278 Resp: 69
Ion Ratio Lower Upper
278 100
139 90.8 16.0 24.0#
279 81.6 20.0 30.0#

