

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096904.D
 Acq On : 13 Jul 2018 13:32
 Operator : SJ/JU
 Sample : J3170-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 13 17:03:56 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	1933	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	9239	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5147	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	14632	0.40	ng	0.01
27) Chrysene-d12	20.98	240	13521	0.40	ng	0.00
34) Perylene-d12	23.21	264	14171	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	889	0.21	ng	0.00
5) Phenol-d6	6.59	99	770	0.12	ng	0.00
8) Nitrobenzene-d5	8.53	82	2919	0.52	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6013	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	580	0.49	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	9760	0.52	ng	0.00
25) Fluoranthene-d10	18.81	212	69131	0.54	ng	0.00
29) Terphenyl-d14	19.43	244	18483	0.71	ng	0.00

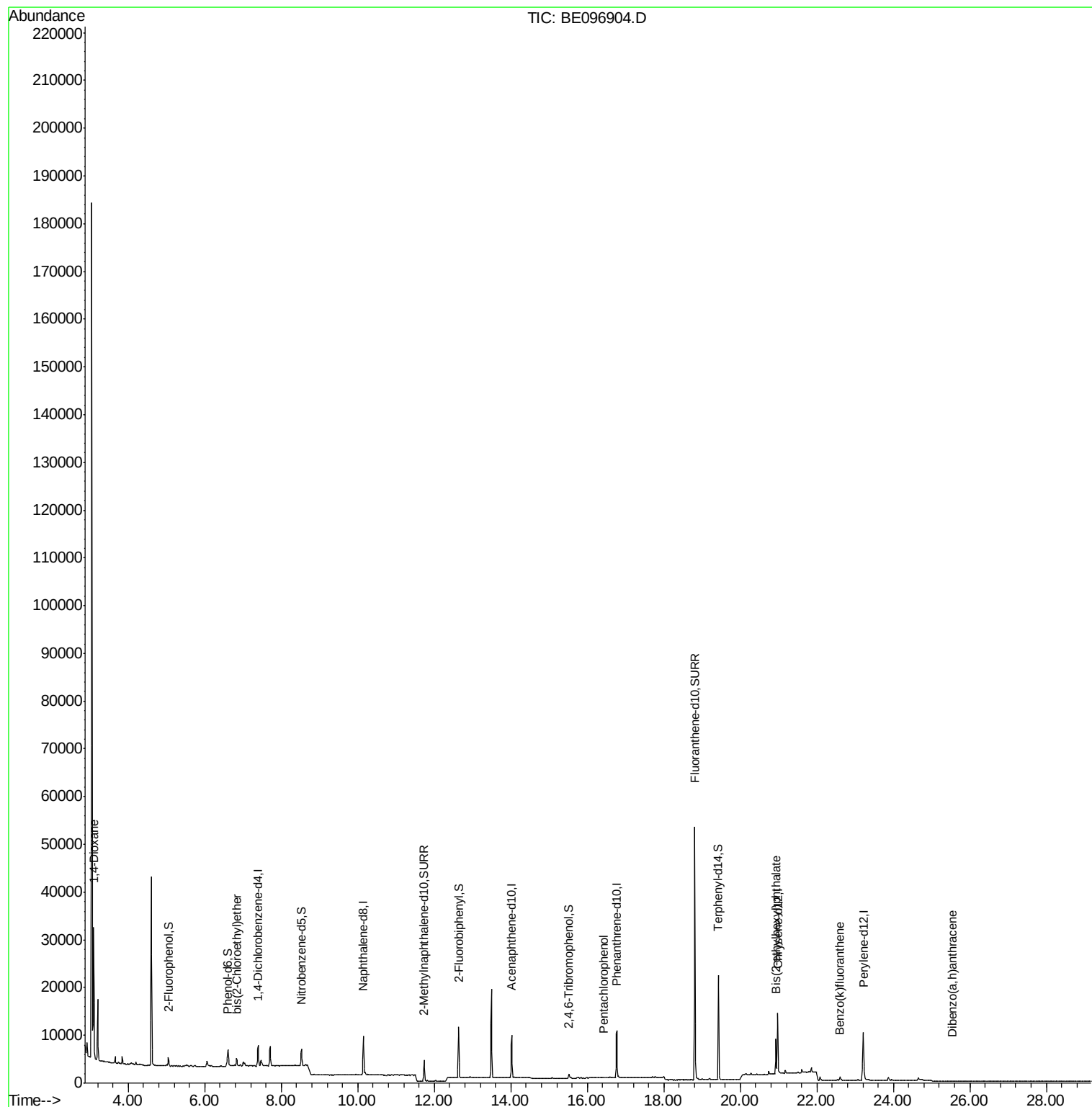
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	13454	4.645	ng	# 89
6) bis(2-Chloroethyl)ether	6.84	93	534	0.076	ng	# 96
22) Pentachlorophenol	16.44	266	24	0.057	ng	93
32) Bis(2-ethylhexyl)phthalate	20.93	149	7686	0.286	ng	98
36) Benzo(k)fluoranthene	22.58	252	158	0.086	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	55	0.111	ng	# 1

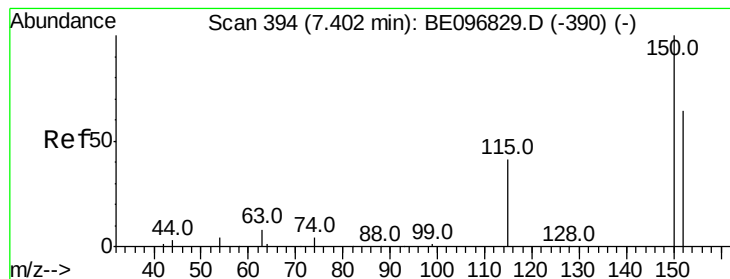
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE096904.D

Acq: 13 Jul 2018 13:32

Instrument :

BNA_E

ClientSampleId :

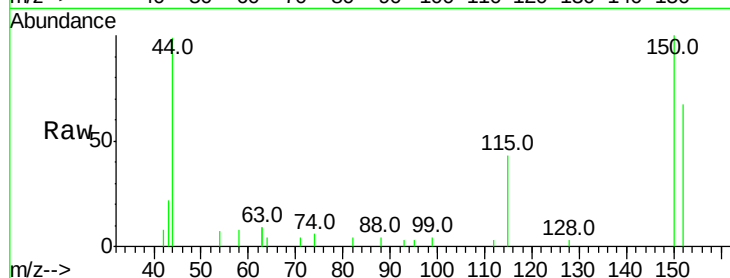
Tot Ion:152 Resp: 1933

Ion Ratio Lower Upper

152 100

150 149.6 117.2 175.8

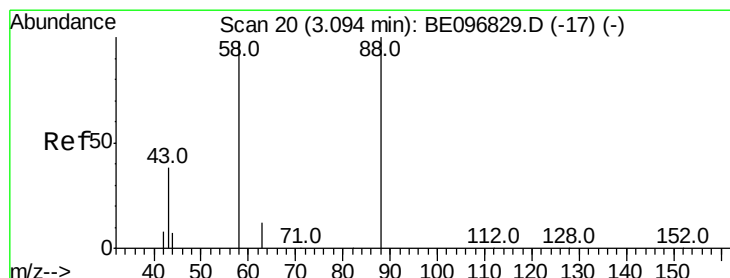
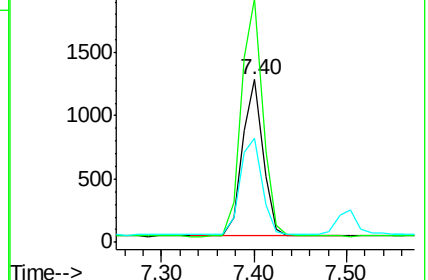
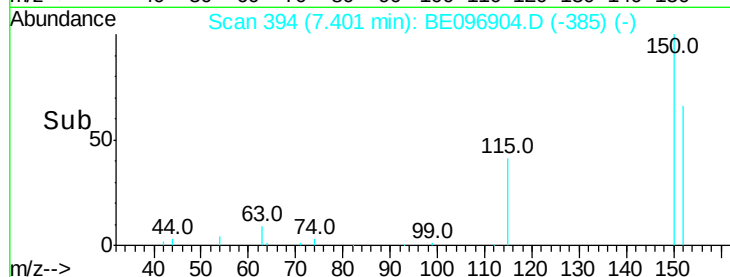
115 64.1 57.0 85.6



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: 4.645 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE096904.D

Acq: 13 Jul 2018 13:32

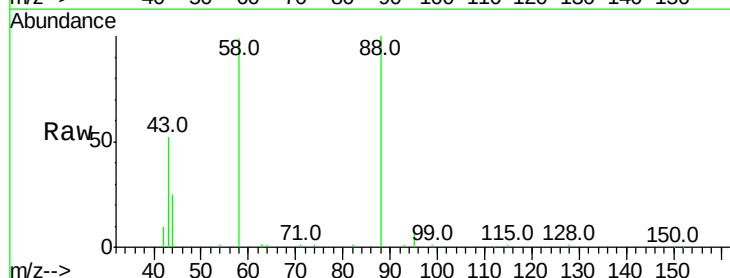
Tgt Ion: 88 Resp: 13454

Ion Ratio Lower Upper

88 100

58 81.9 63.2 94.8

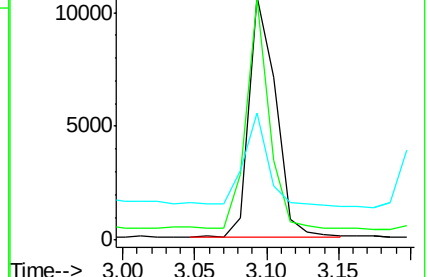
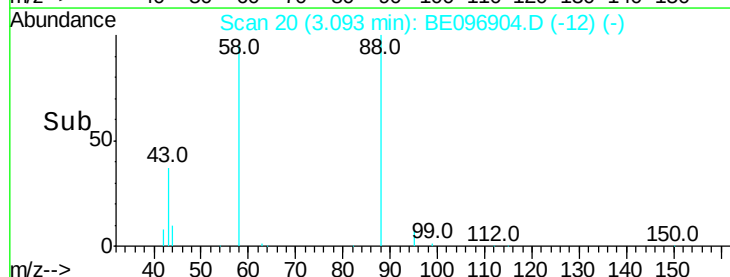
43 35.3 41.2 61.8#

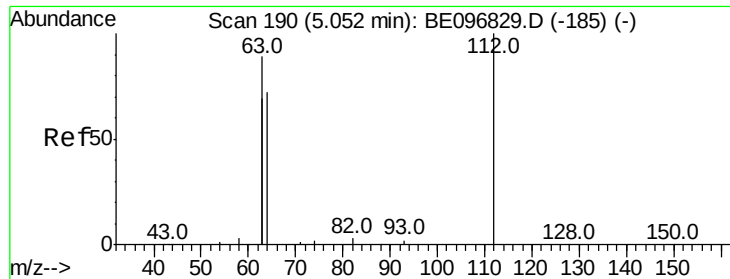


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.206 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096904.D

Acq: 13 Jul 2018 13:32

Instrument :

BNA_E

ClientSampled :

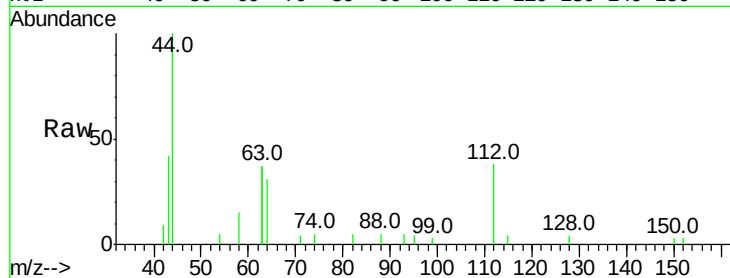
Tot Ion: 112 Resp: 889

Ion Ratio Lower Upper

112 100

64 67.6 60.1 90.1

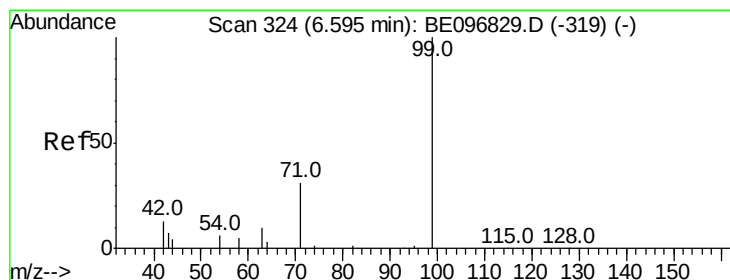
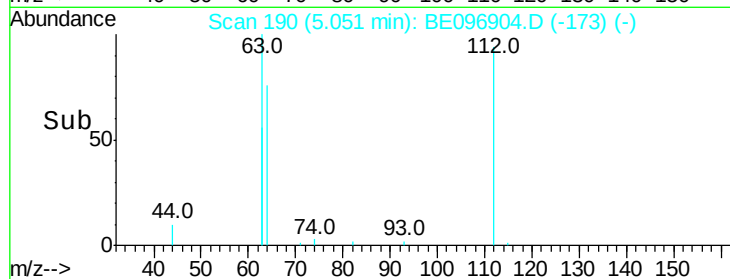
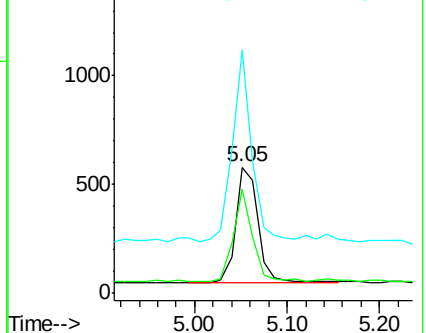
63 150.2 116.8 175.2



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: 0.119 ng

RT: 6.59 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096904.D

Acq: 13 Jul 2018 13:32

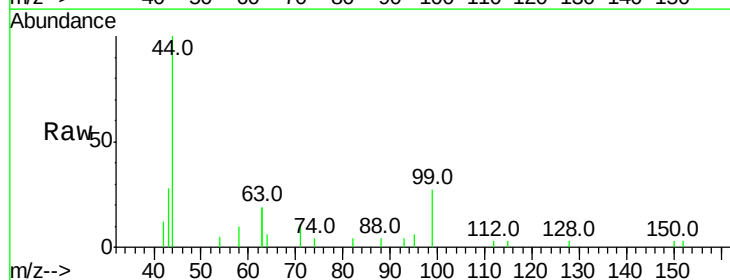
Tgt Ion: 99 Resp: 770

Ion Ratio Lower Upper

99 100

42 50.5 20.2 30.2#

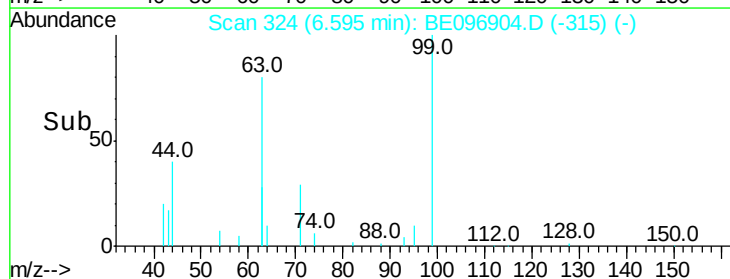
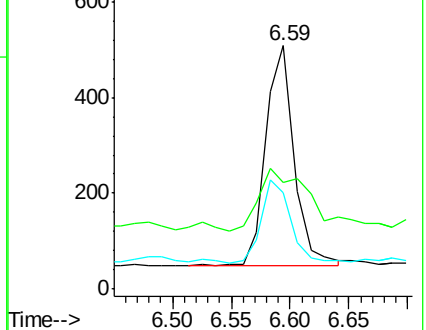
71 39.4 28.4 42.6

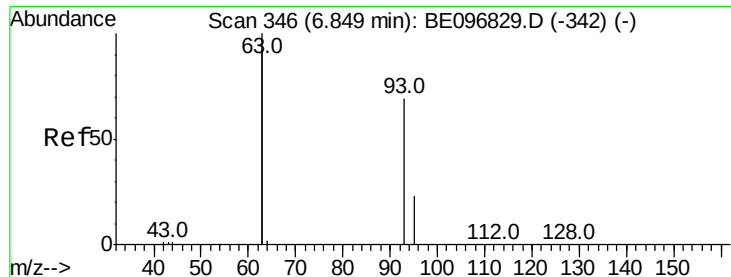


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.076 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE096904.D

Acq: 13 Jul 2018 13:32

Instrument :

BNA_E

ClientSampleId :

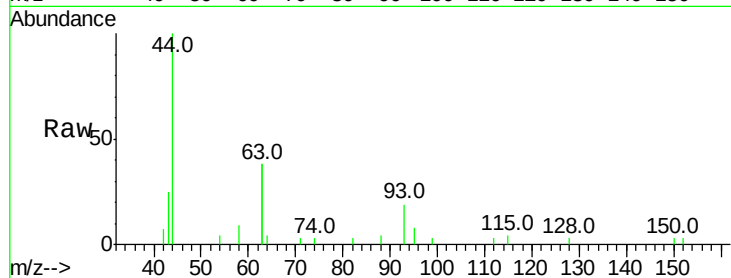
Tot Ion: 93 Resp: 534

Ion Ratio Lower Upper

93 100

63 351.5 275.3 412.9

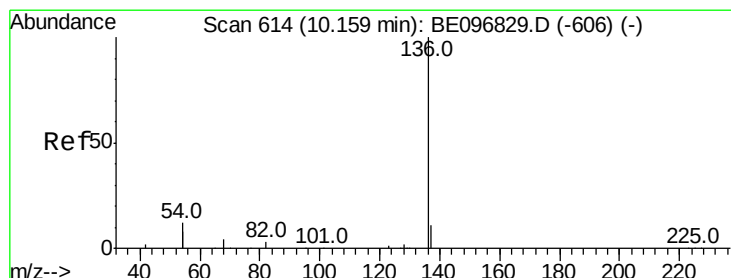
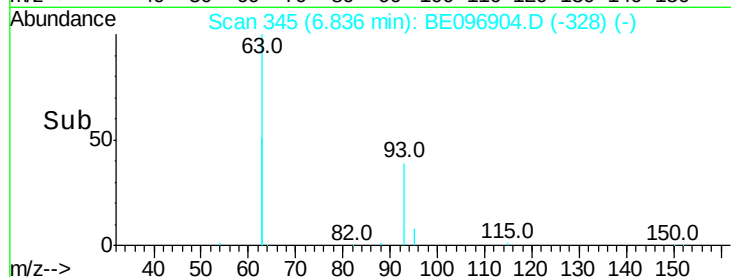
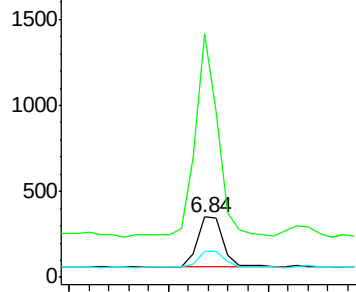
95 38.8 25.2 37.8#



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: BE096904.D

Acq: 13 Jul 2018 13:32

Tgt Ion: 136 Resp: 9239

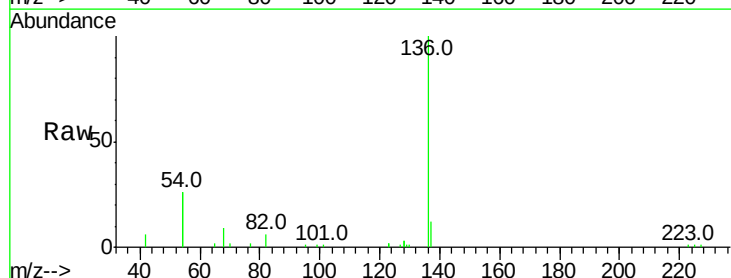
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 51.1 29.1 43.7#

68 9.5 6.2 9.2#

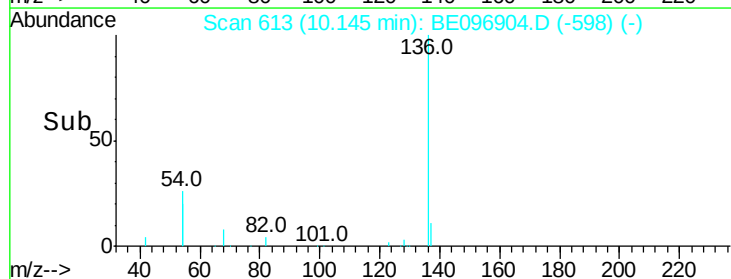
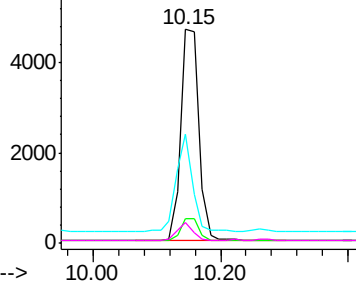


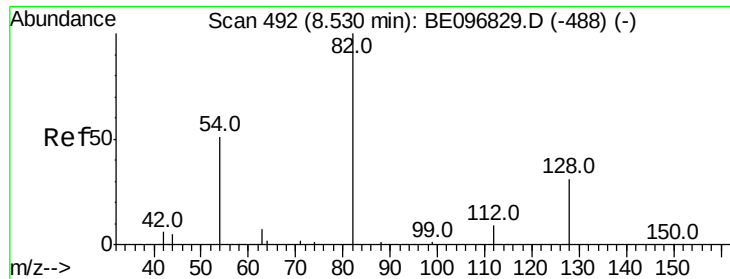
Abundance Ion 136.00 (135.70 to 136.70): E

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



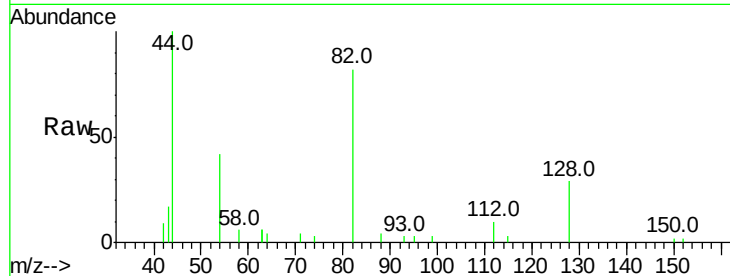


#8
 Nitrobenzene-d5
 Concen: 0.522 ng
 RT: 8.53 min Scan# 492
 Delta R.T. 0.01 min
 Lab File: BE096904.D
 Acq: 13 Jul 2018 13:32

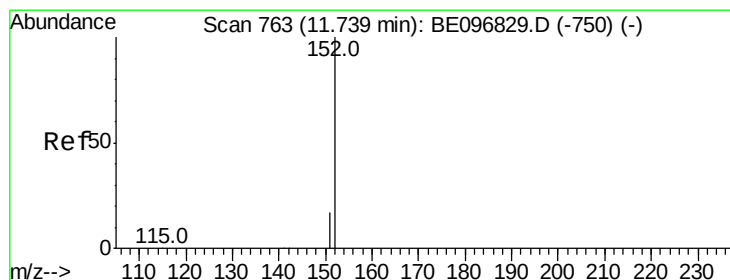
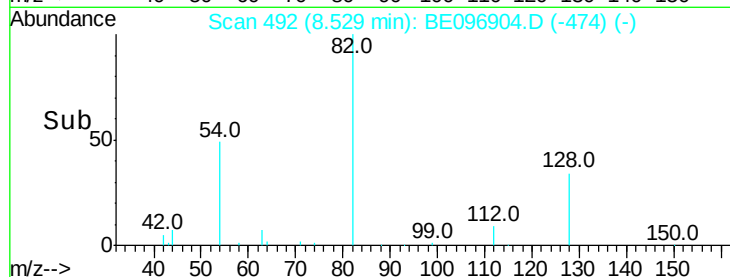
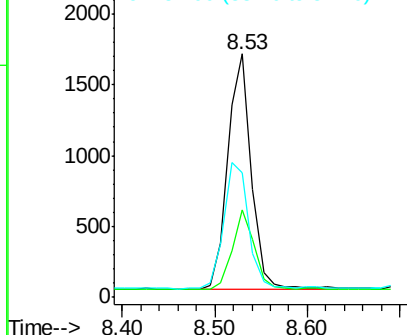
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 82 Resp: 2919

Ion	Ratio	Lower	Upper
82	100		
128	36.0	24.0	36.0
54	50.9	40.0	60.0



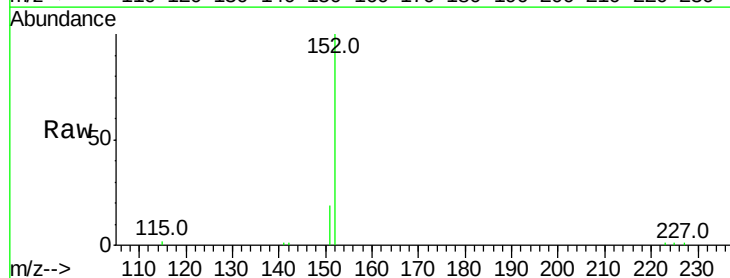
Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BE0



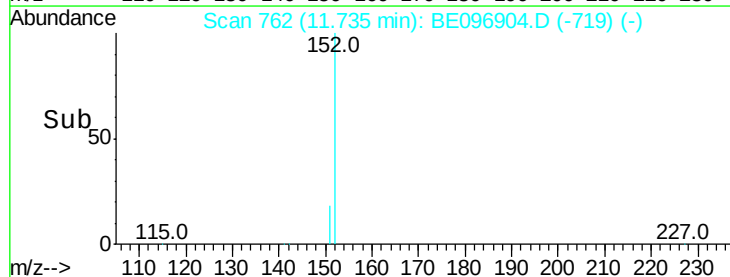
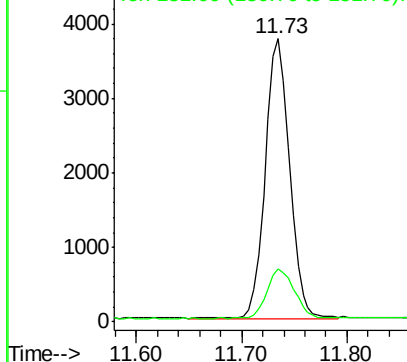
#11
 2-Methylnaphthalene-d10
 Concen: 0.452 ng
 RT: 11.73 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE096904.D
 Acq: 13 Jul 2018 13:32

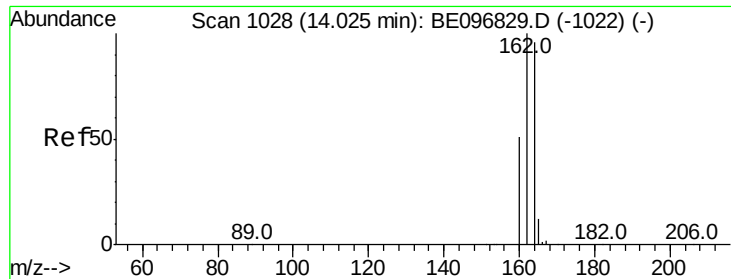
Tgt Ion: 152 Resp: 6013

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.4	23.0



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E

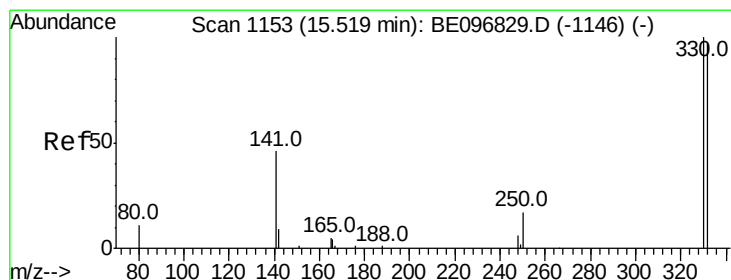
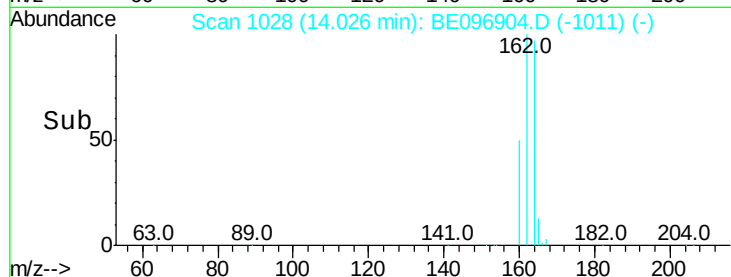
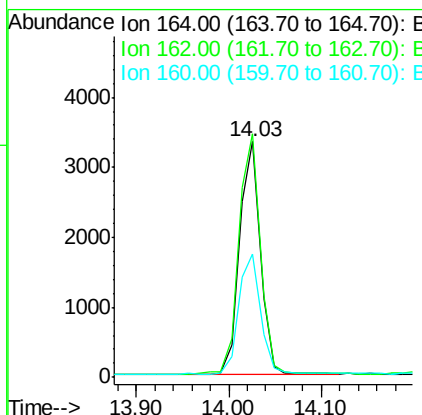
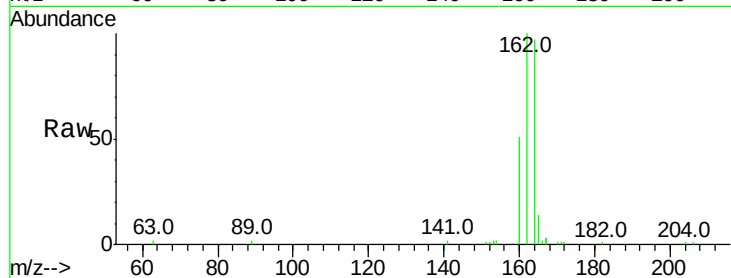




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.03 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BE096904.D
 Acq: 13 Jul 2018 13:32

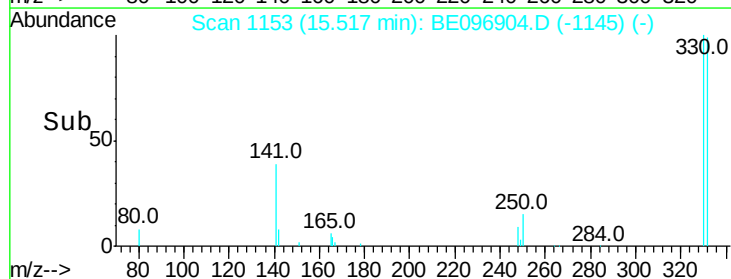
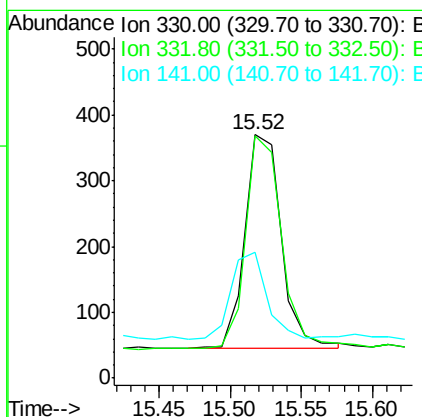
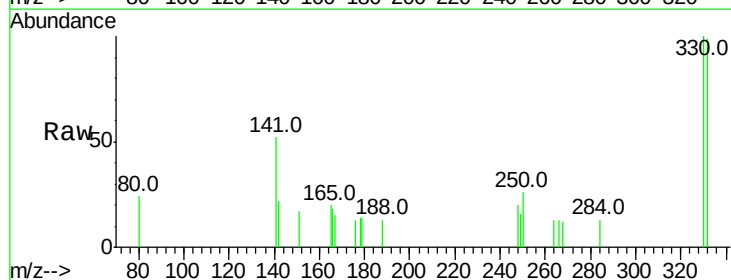
Instrument :
 BNA_E
 ClientSampleId :

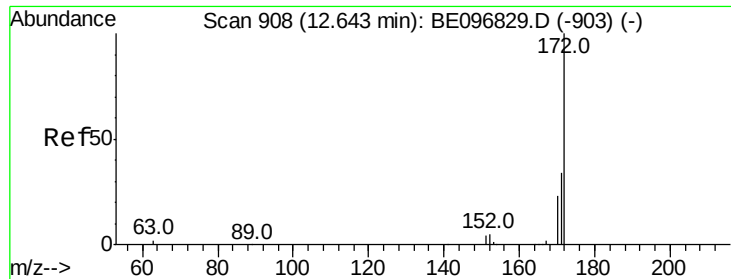
Tot Ion:164 Resp: 5147
 Ion Ratio Lower Upper
 164 100
 162 103.3 83.1 124.7
 160 52.5 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.486 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE096904.D
 Acq: 13 Jul 2018 13:32

Tgt Ion:330 Resp: 580
 Ion Ratio Lower Upper
 330 100
 332 99.1 152.7 229.1#
 141 40.7 33.7 50.5

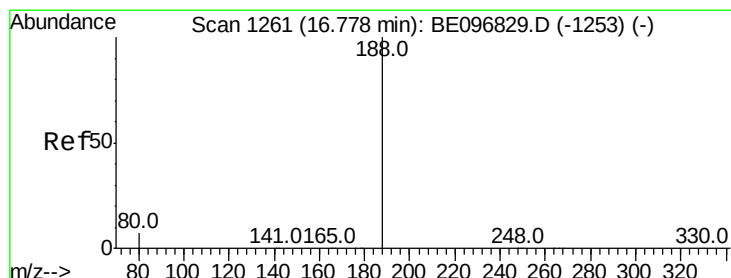
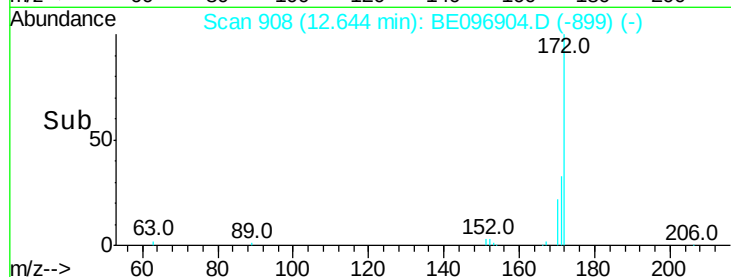
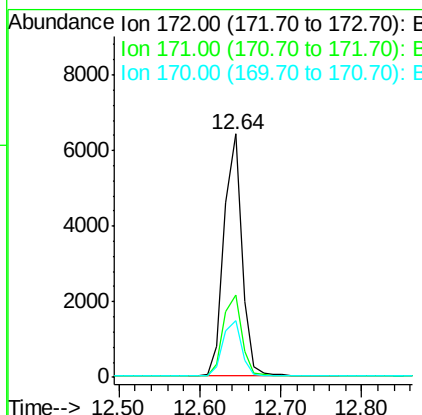
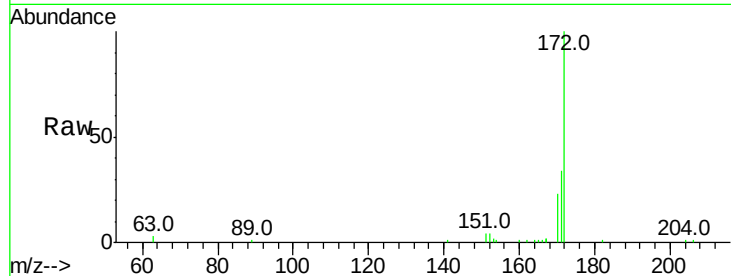




#15
2-Fluorobiphenyl
Concen: 0.518 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096904.D
Acq: 13 Jul 2018 13:32

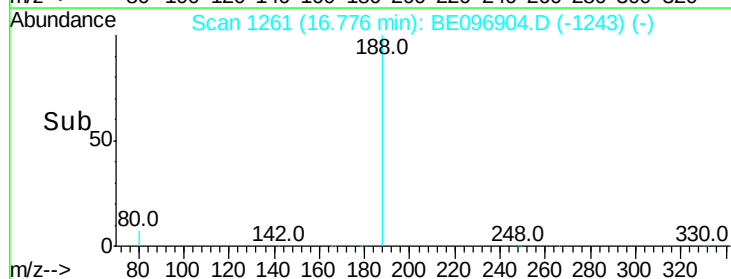
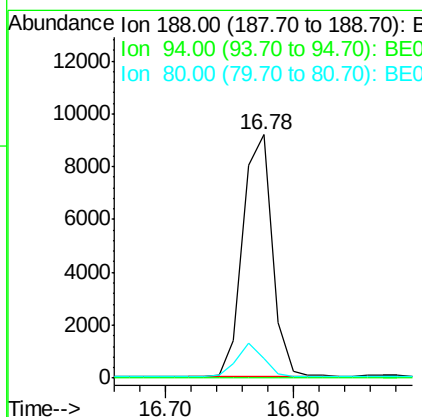
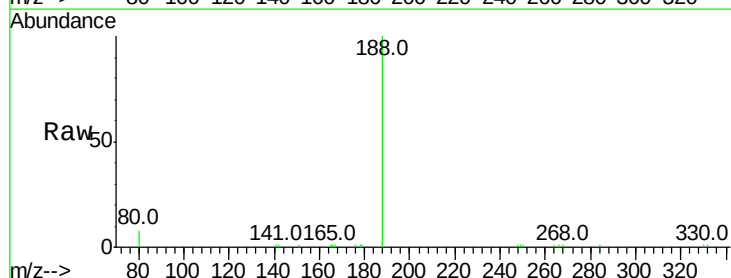
Instrument :
BNA_E
ClientSampleId :

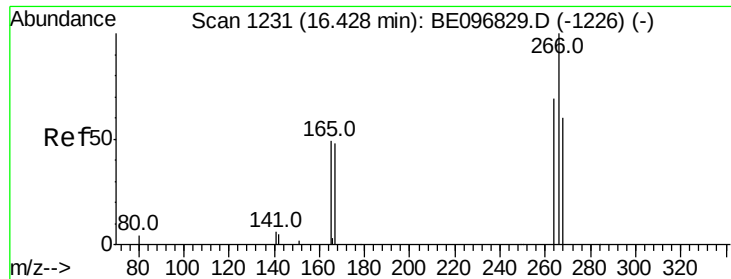
Tot Ion:172 Resp: 9760
Ion Ratio Lower Upper
172 100
171 33.7 29.9 44.9
170 23.1 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BE096904.D
Acq: 13 Jul 2018 13:32

Tgt Ion:188 Resp: 14632
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 8.1 3.6 5.4#

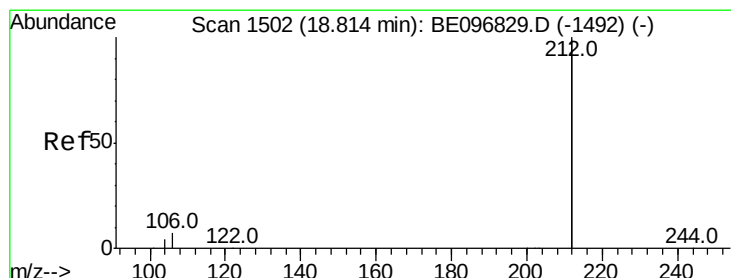
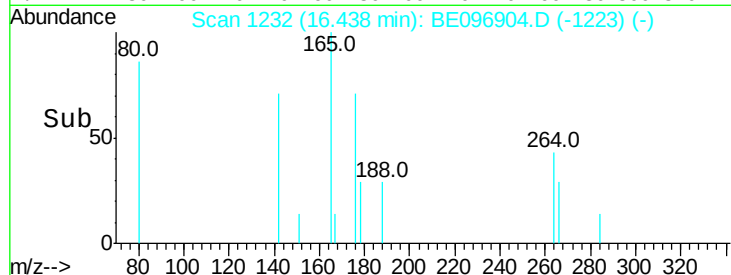
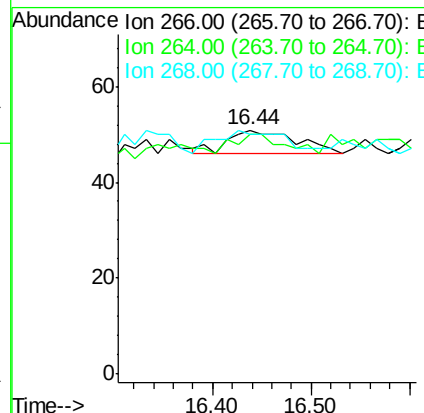
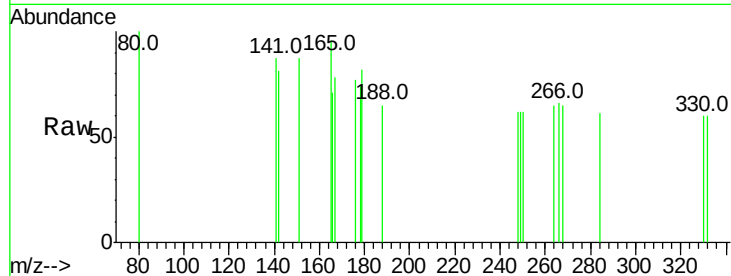




#22
 Pentachlorophenol
 Concen: 0.057 ng
 RT: 16.44 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BE096904.D
 Acq: 13 Jul 2018 13:32

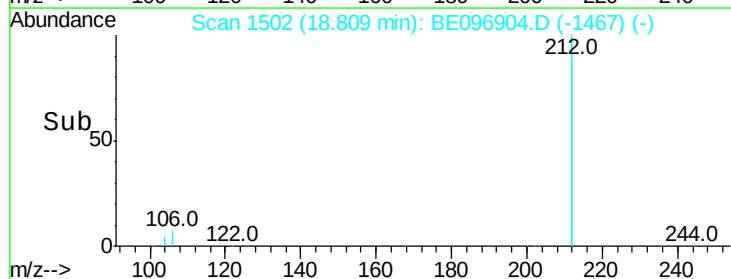
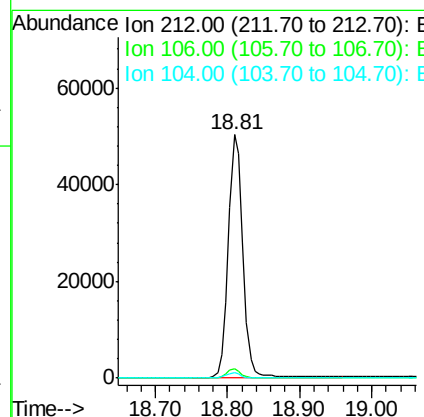
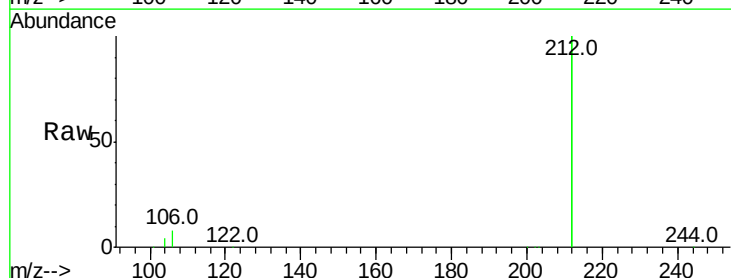
Instrument :
 BNA_E
 ClientSampleId :

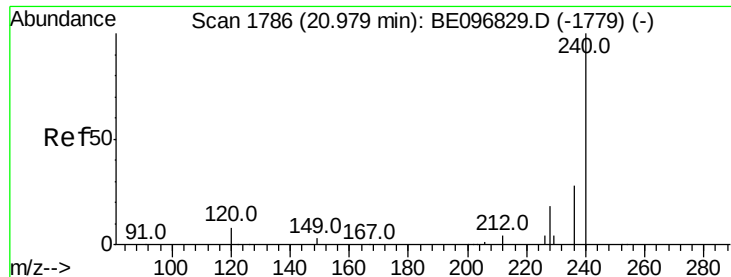
Tot Ion:266 Resp: 24
 Ion Ratio Lower Upper
 266 100
 264 98.0 72.5 108.7
 268 98.0 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.537 ng
 RT: 18.81 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: BE096904.D
 Acq: 13 Jul 2018 13:32

Tgt Ion:212 Resp: 69131
 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# 1787

Delta R.T. 0.00 min

Lab File: BE096904.D

Acq: 13 Jul 2018 13:32

Instrument :

BNA_E

ClientSampleId :

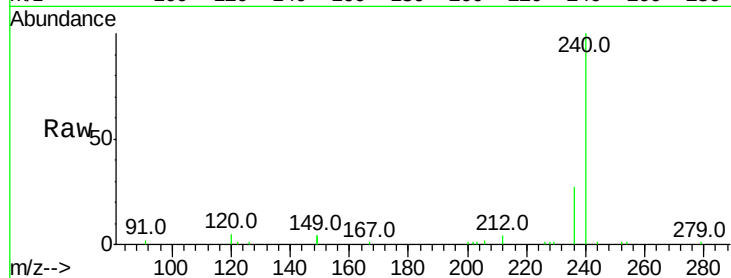
Tot Ion:240 Resp: 13521

Ion Ratio Lower Upper

240 100

120 5.4 5.5 8.3#

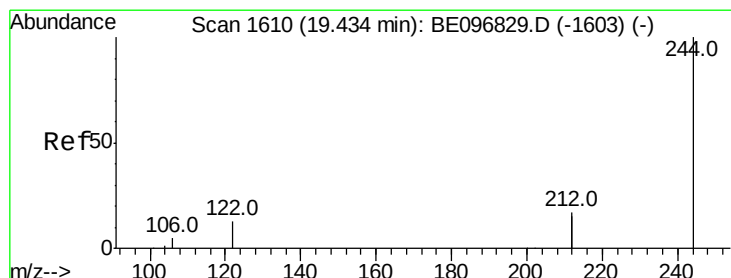
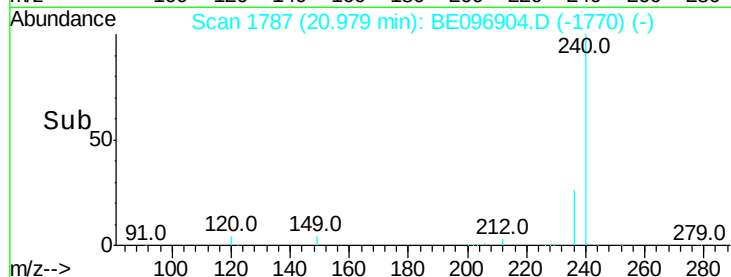
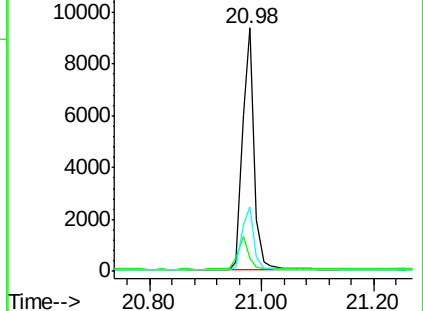
236 26.6 20.7 31.1



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: 0.708 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE096904.D

Acq: 13 Jul 2018 13:32

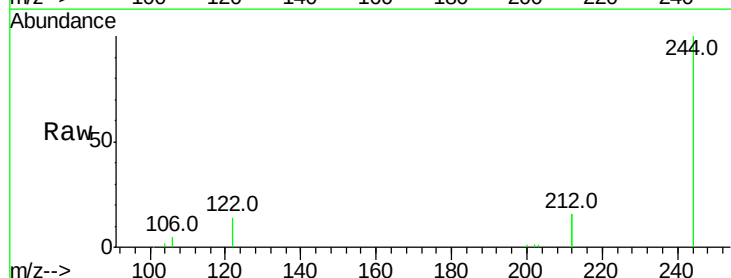
Tgt Ion:244 Resp: 18483

Ion Ratio Lower Upper

244 100

212 32.9 25.4 38.0

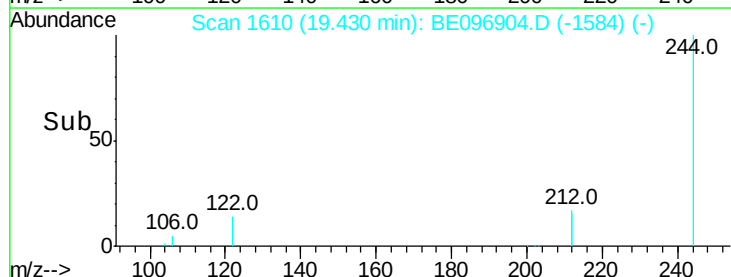
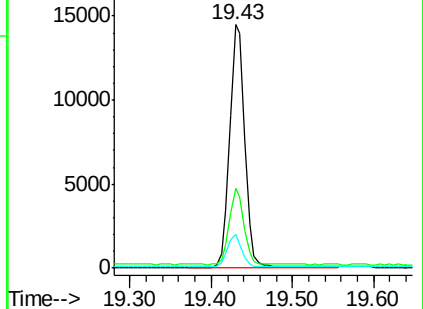
122 14.0 8.1 12.1#

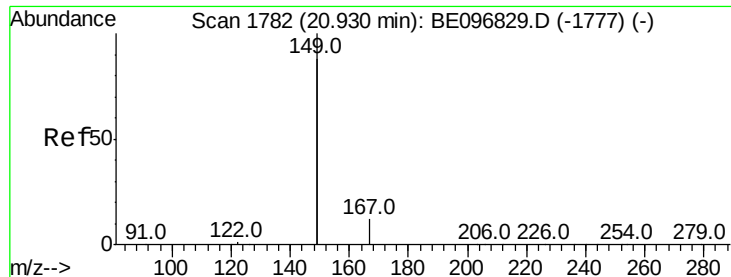


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.286 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096904.D

Acq: 13 Jul 2018 13:32

Instrument :

BNA_E

ClientSampleId :

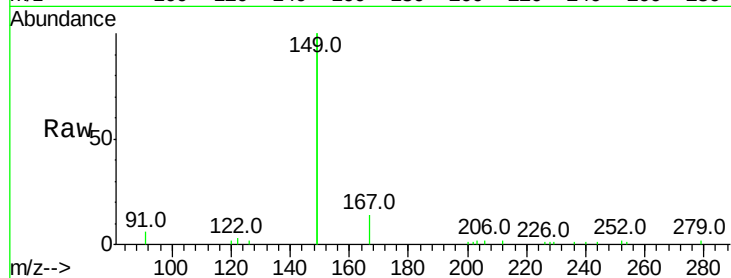
Tot Ion:149 Resp: 7686

Ion Ratio Lower Upper

149 100

167 7.3 5.4 8.0

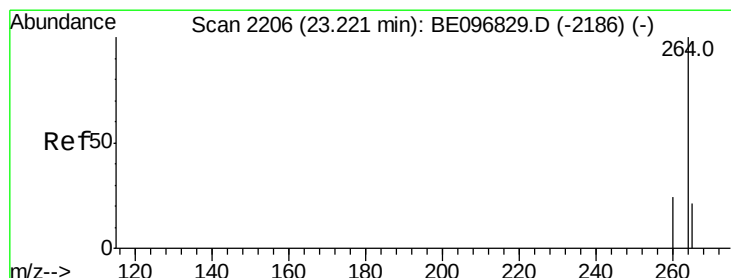
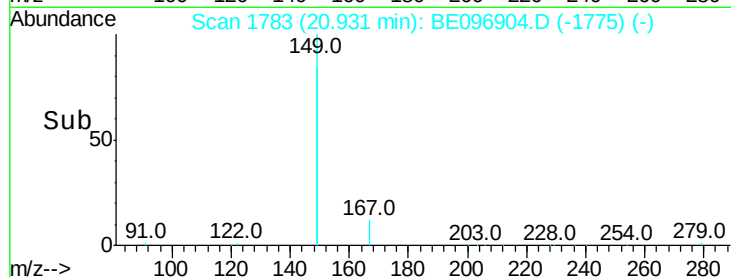
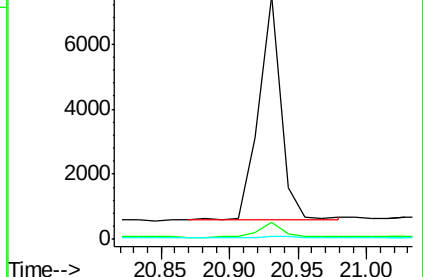
279 1.0 0.7 1.1



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: BE096904.D

Acq: 13 Jul 2018 13:32

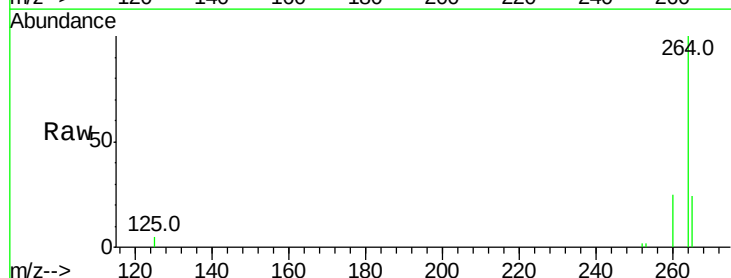
Tgt Ion:264 Resp: 14171

Ion Ratio Lower Upper

264 100

260 24.9 20.5 30.7

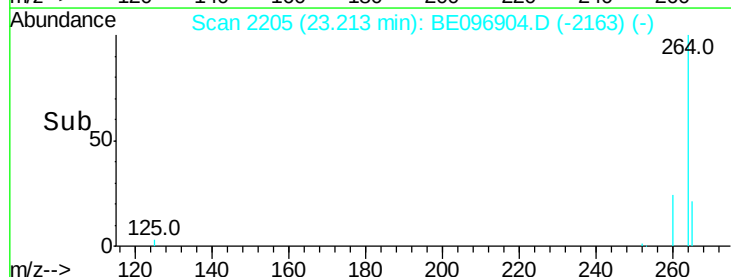
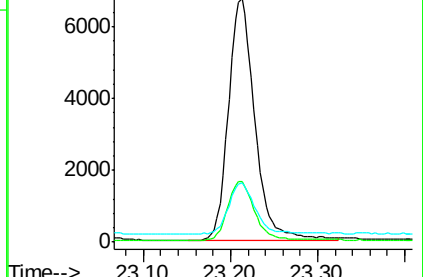
265 24.4 22.8 34.2

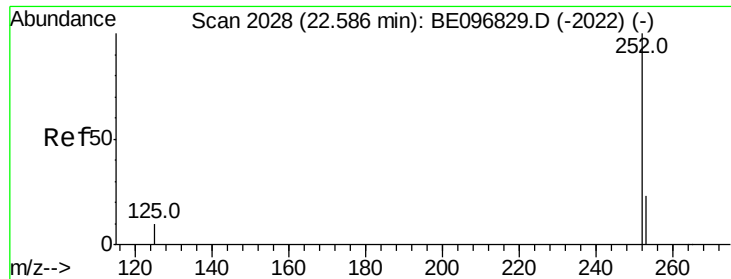


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

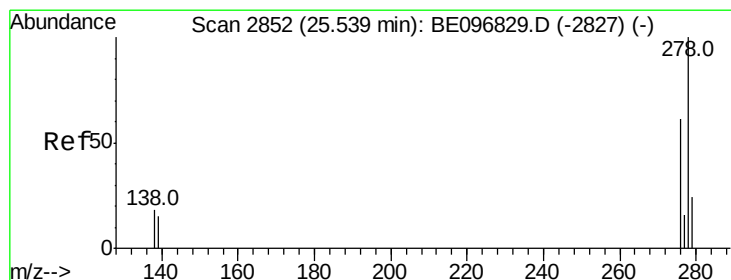
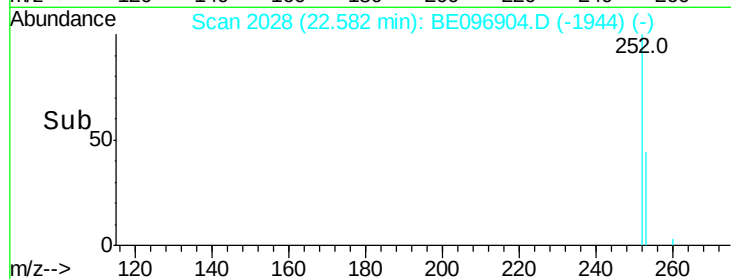
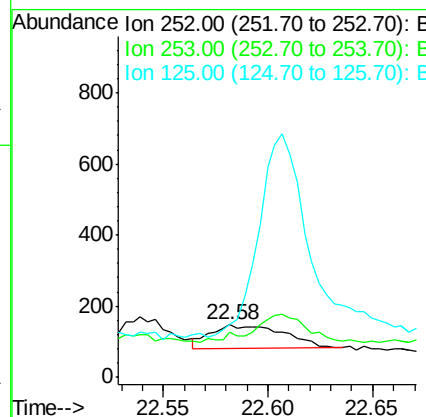
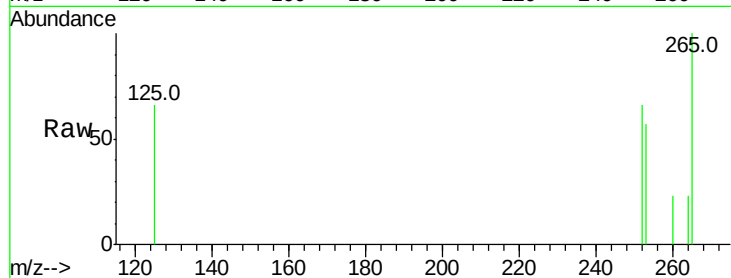




#36
Benzo(k)fluoranthene
Concen: 0.086 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE096904.D
Acq: 13 Jul 2018 13:32

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 158
Ion Ratio Lower Upper
252 100
253 85.1 16.0 24.0#
125 100.0 8.0 12.0#



#38
Dibenzo(a,h)anthracene
Concen: 0.111 ng
RT: 25.53 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BE096904.D
Acq: 13 Jul 2018 13:32

Tgt Ion:278 Resp: 55
Ion Ratio Lower Upper
278 100
139 85.5 16.0 24.0#
279 82.9 20.0 30.0#

