

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096920.D
 Acq On : 14 Jul 2018 1:57
 Operator : SJ/JU
 Sample : J3921-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 14 03:52:18 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	7.39	152	2004	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	9759	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5988	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	16902	0.40	ng	0.00
27) Chrysene-d12	20.98	240	15949	0.40	ng	0.00
34) Perylene-d12	23.21	264	16222	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1059	0.24	ng	0.00
5) Phenol-d6	6.59	99	927	0.14	ng	0.00
8) Nitrobenzene-d5	8.52	82	3229	0.55	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6048	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	974	0.63	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	9872	0.45	ng	0.00
25) Fluoranthene-d10	18.81	212	74860	0.50	ng	0.00
29) Terphenyl-d14	19.43	244	23409	0.76	ng	0.00

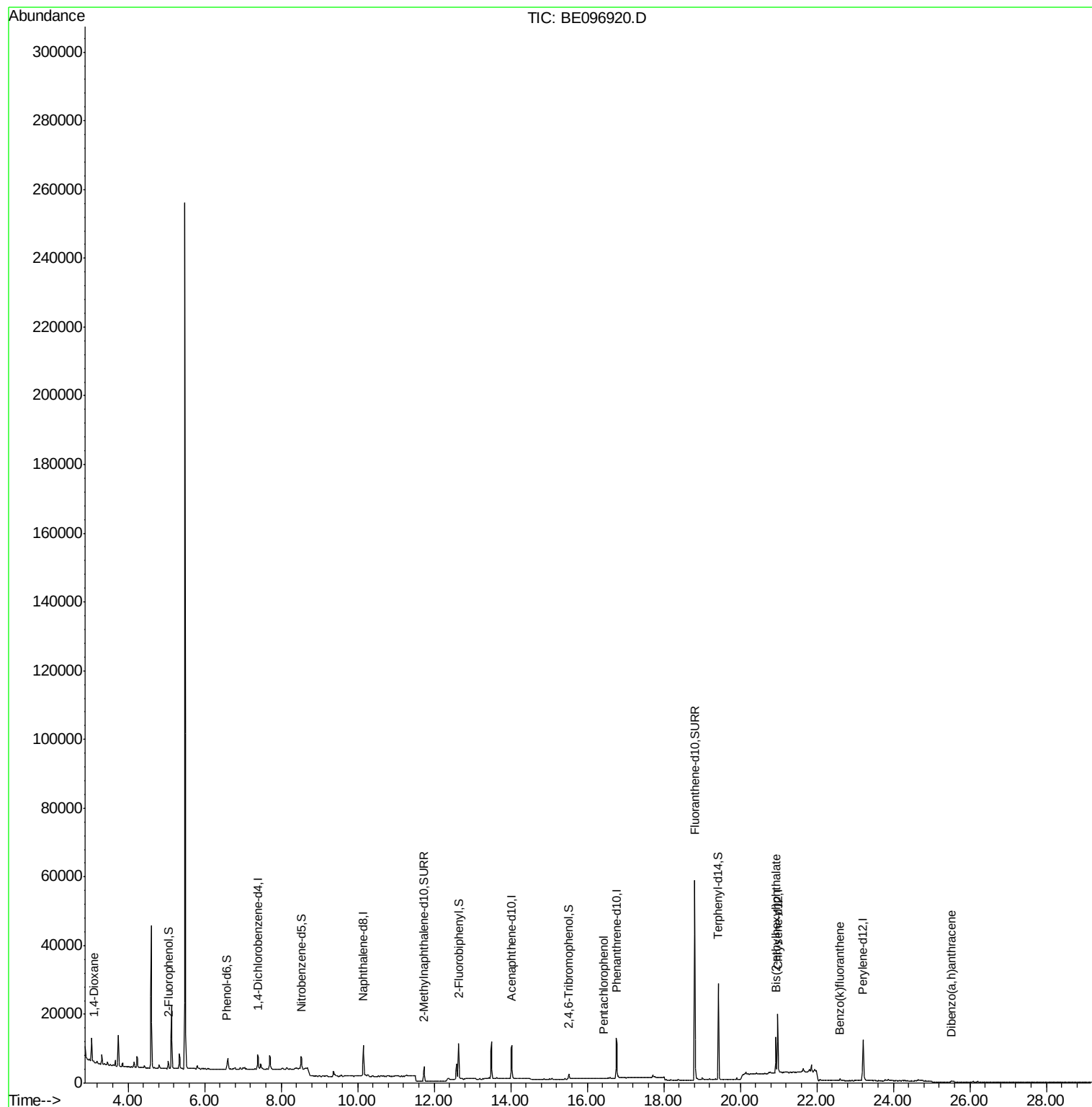
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	227	0.076	ng	# 1
22) Pentachlorophenol	16.44	266	38	0.065	ng	92
32) Bis(2-ethylhexyl)phthalate	20.93	149	10921	0.345	ng	100
36) Benzo(k)fluoranthene	22.58	252	216	0.087	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	61	0.111	ng	# 1

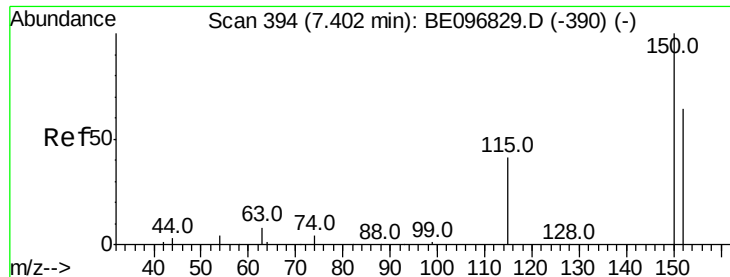
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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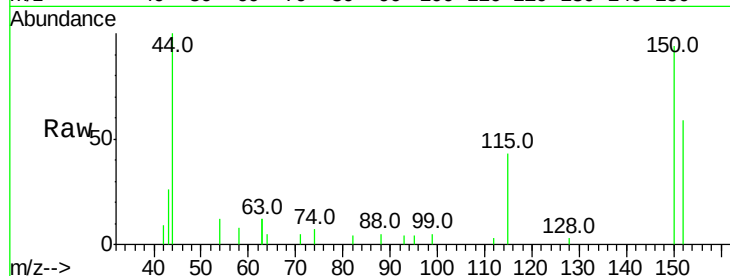


#1

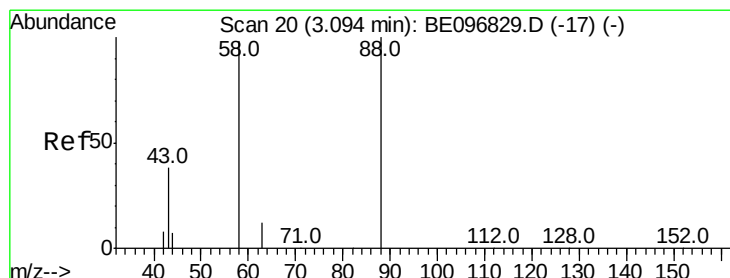
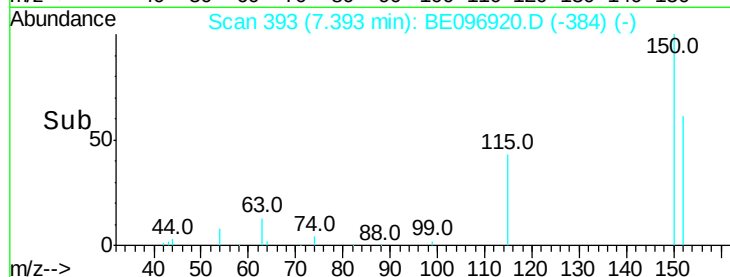
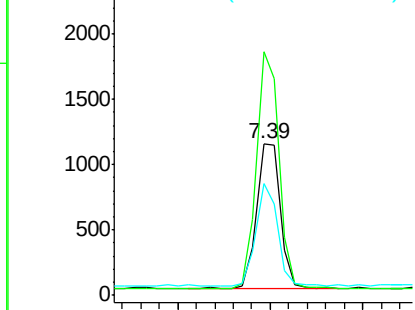
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE096920.D
Acq: 14 Jul 2018 1:57

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 2004
Ion Ratio Lower Upper
152 100
150 160.2 117.2 175.8
115 73.2 57.0 85.6



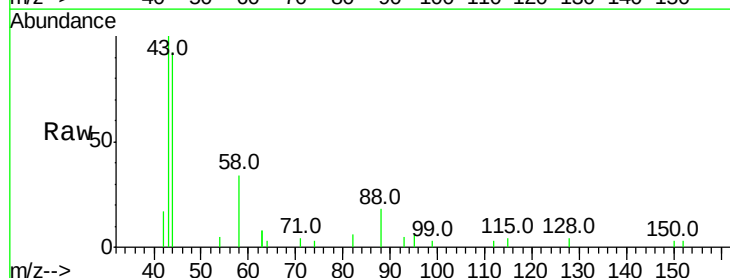
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



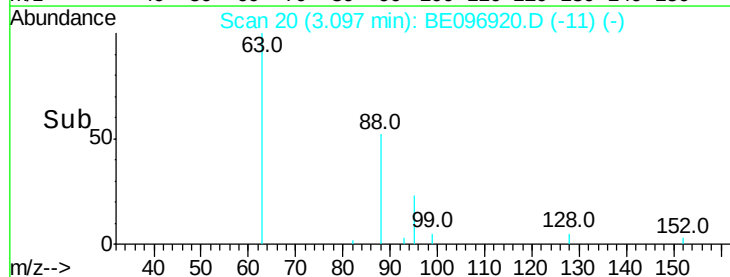
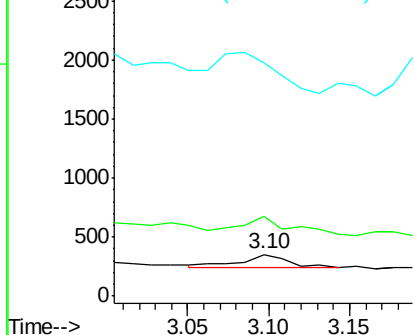
#2

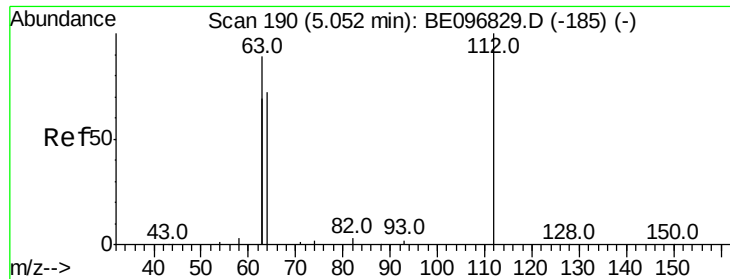
1,4-Dioxane
Concen: 0.076 ng
RT: 3.10 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096920.D
Acq: 14 Jul 2018 1:57

Tgt Ion: 88 Resp: 227
Ion Ratio Lower Upper
88 100
58 152.4 63.2 94.8#
43 401.3 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: 0.236 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

Instrument :

BNA_E

ClientSampleId :

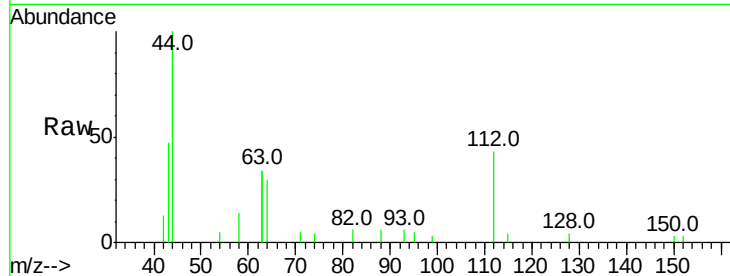
Tot Ion:112 Resp: 1059

Ion Ratio Lower Upper

112 100

64 67.0 60.1 90.1

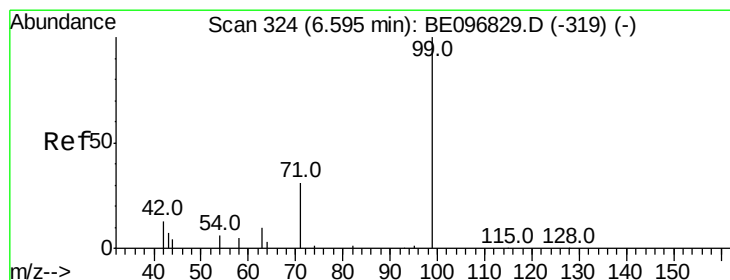
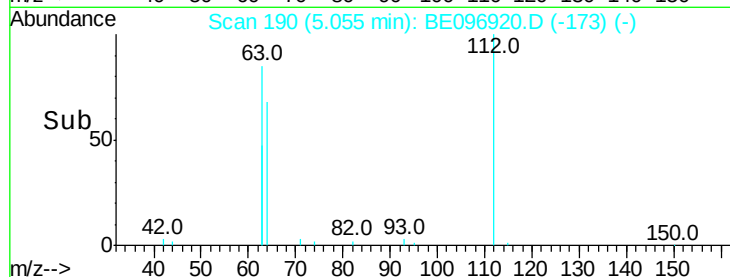
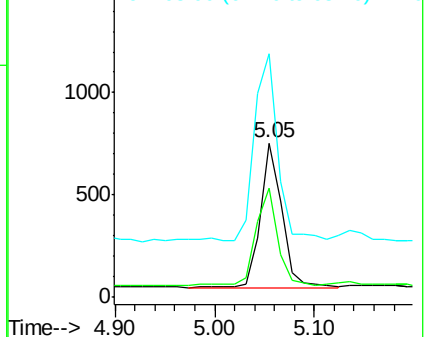
63 140.1 116.8 175.2



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: 0.139 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

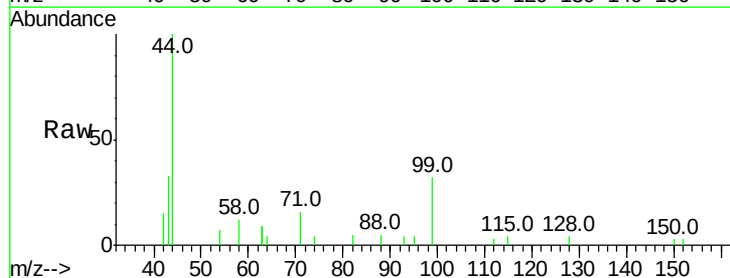
Tgt Ion: 99 Resp: 927

Ion Ratio Lower Upper

99 100

42 30.5 20.2 30.2#

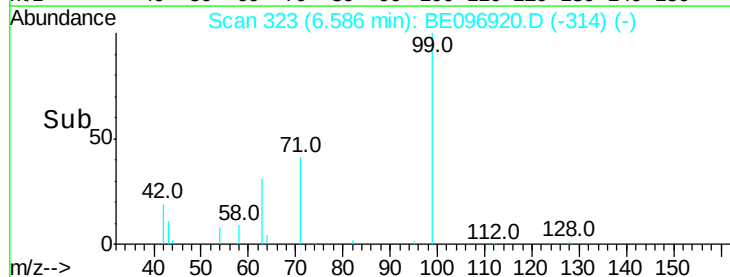
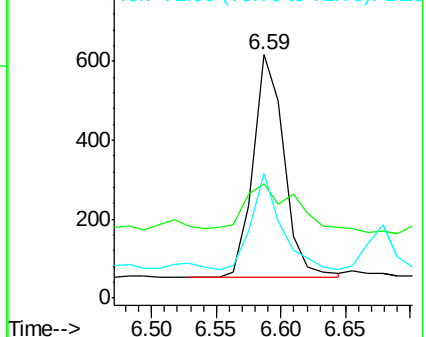
71 41.6 28.4 42.6

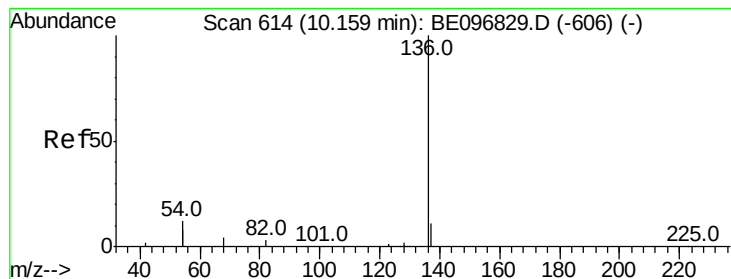


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE096920.D

Acq: 14 Jul 2018 1:57

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 9759

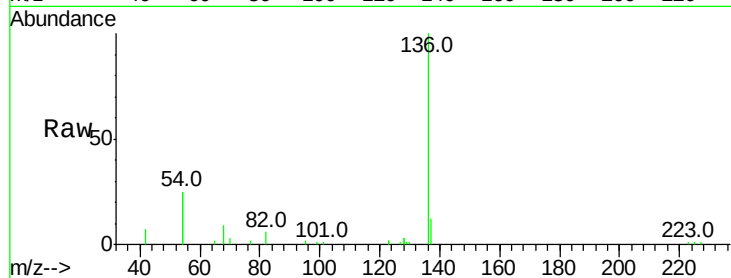
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 50.6 29.1 43.7#

68 9.5 6.2 9.2#

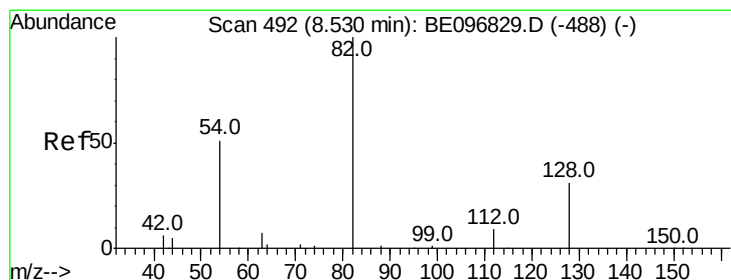
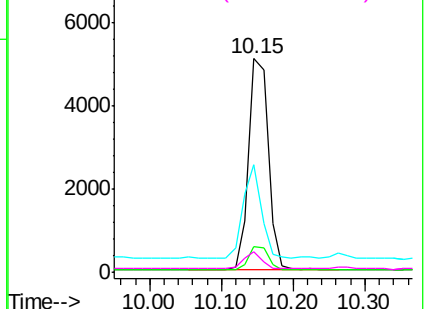
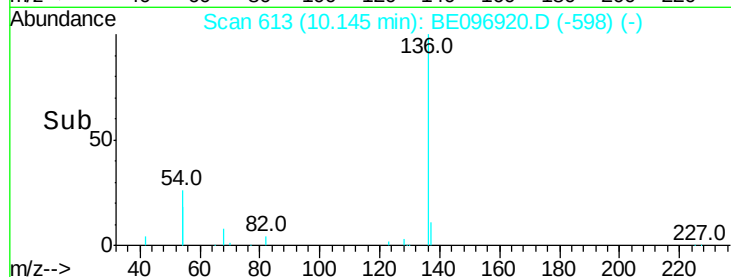


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.546 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

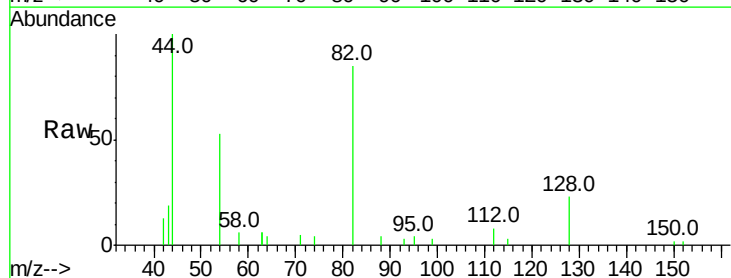
Tgt Ion: 82 Resp: 3229

Ion Ratio Lower Upper

82 100

128 27.4 24.0 36.0

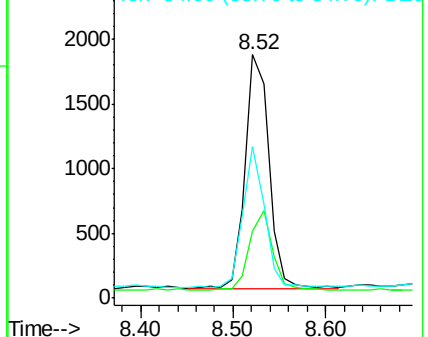
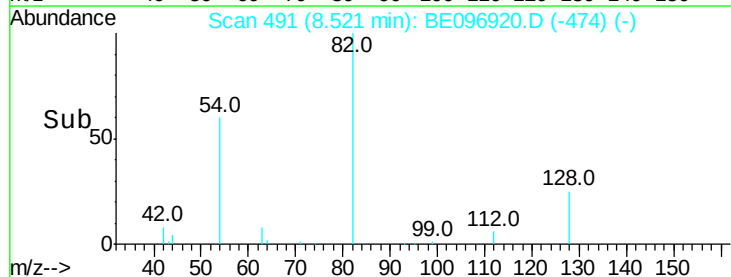
54 62.5 40.0 60.0#

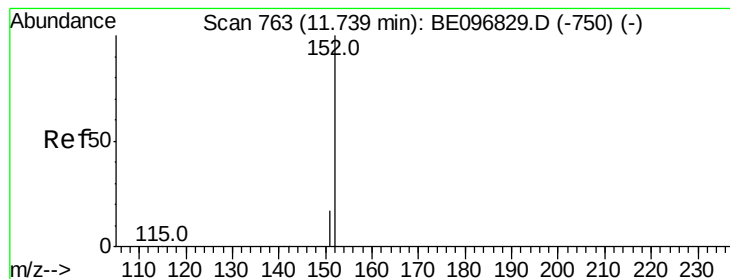


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.431 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

Instrument :

BNA_E

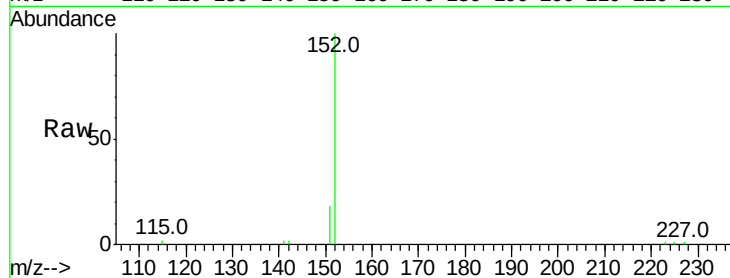
ClientSampleId :

Tot Ion:152 Resp: 6048

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

4000

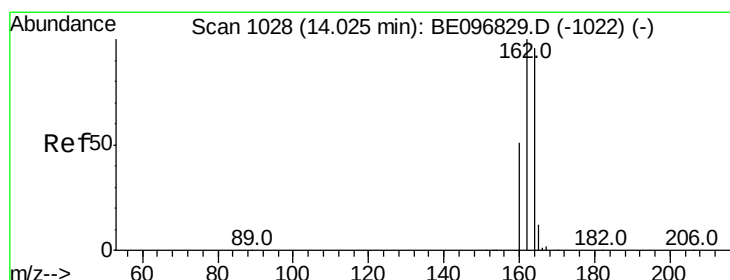
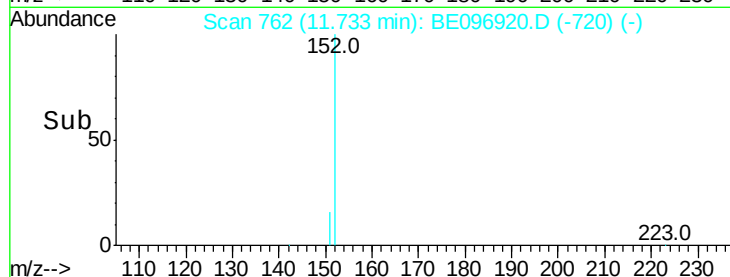
3000

2000

1000

0

Time--> 11.70 11.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

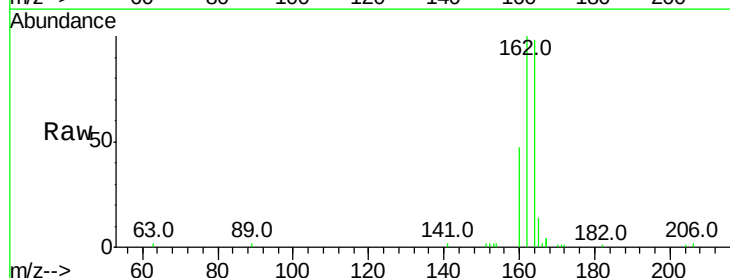
Tgt Ion:164 Resp: 5988

Ion Ratio Lower Upper

164 100

162 102.5 83.1 124.7

160 48.2 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

14.03

5000

4000

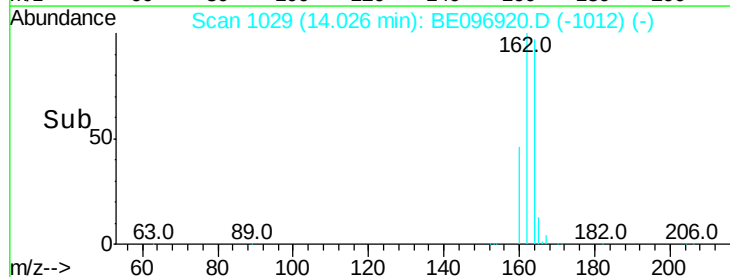
3000

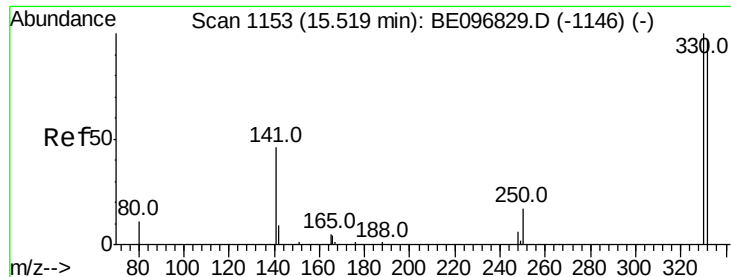
2000

1000

0

Time--> 13.90 14.00 14.10 14.20

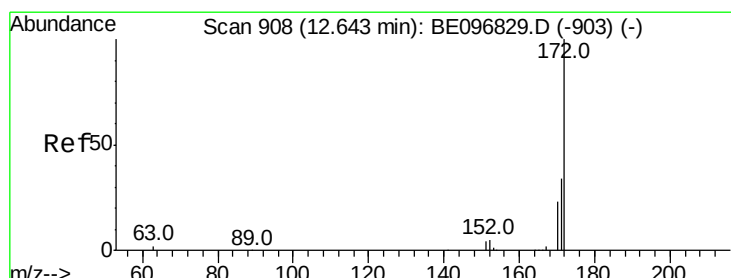
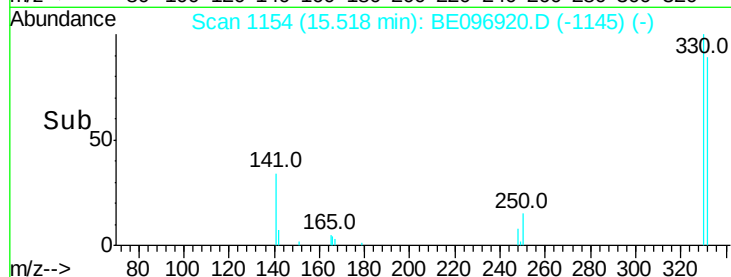
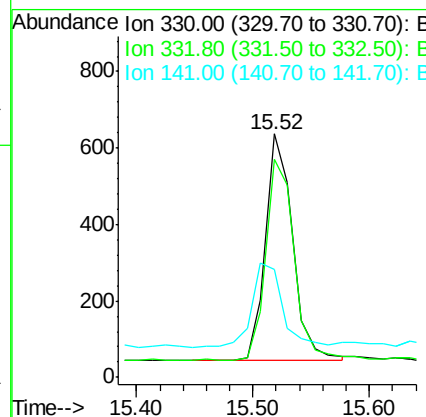
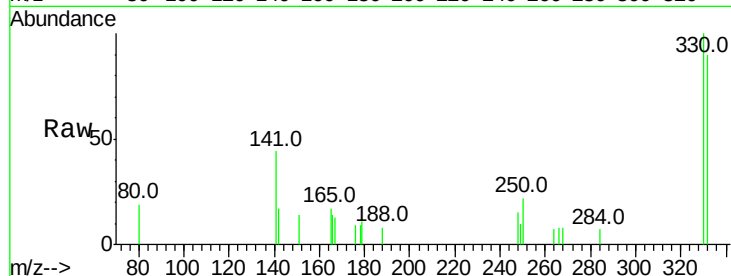




#14
 2,4,6-Tribromophenol
 Concen: 0.628 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE096920.D
 Acq: 14 Jul 2018 1:57

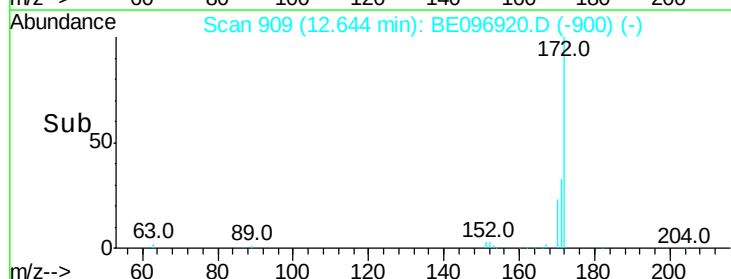
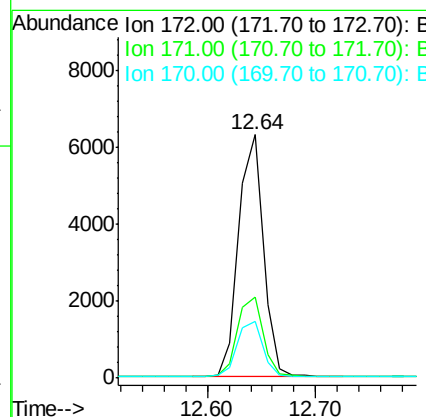
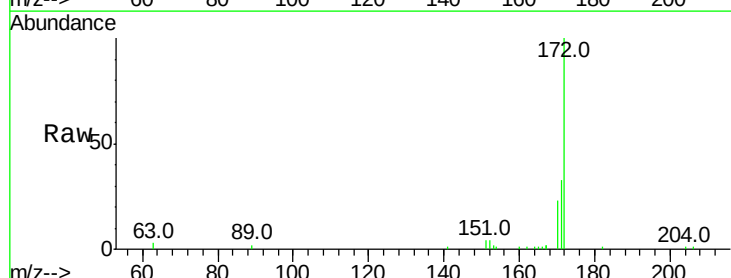
Instrument :
 BNA_E
 ClientSampleId :

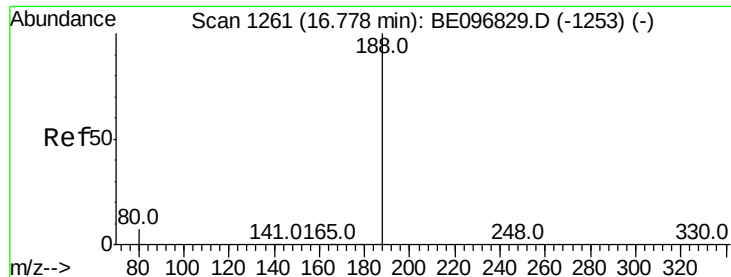
Tot Ion:330 Resp: 974
 Ion Ratio Lower Upper
 330 100
 332 91.1 152.7 229.1#
 141 41.8 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.451 ng
 RT: 12.64 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: BE096920.D
 Acq: 14 Jul 2018 1:57

Tgt Ion:172 Resp: 9872
 Ion Ratio Lower Upper
 172 100
 171 33.4 29.9 44.9
 170 23.1 21.8 32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. -0.00 min

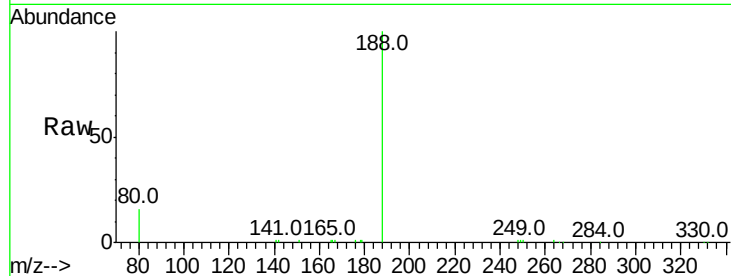
Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

Instrument :
BNA_E
ClientSampled :

Tot Ion:188 Resp: 16902

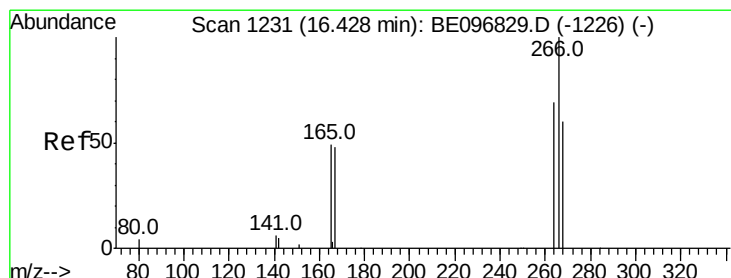
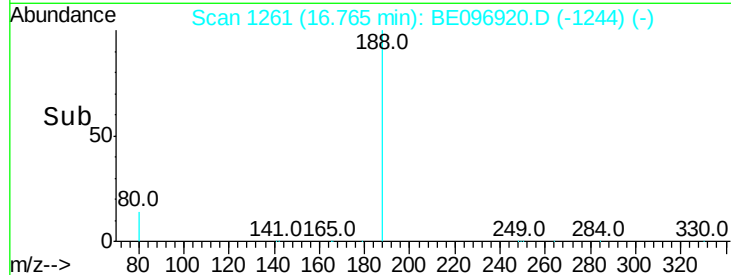
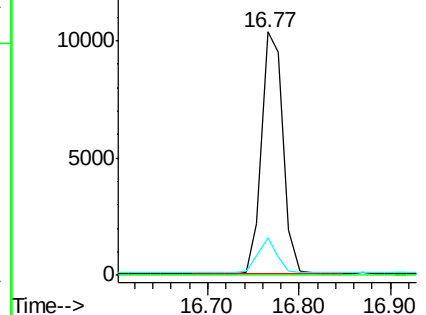
Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	15.5	3.6	5.4#



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: 0.065 ng

RT: 16.44 min Scan# 1233

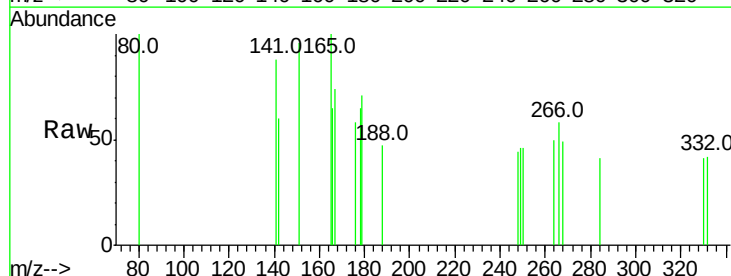
Delta R.T. 0.01 min

Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

Tgt Ion:266 Resp: 38

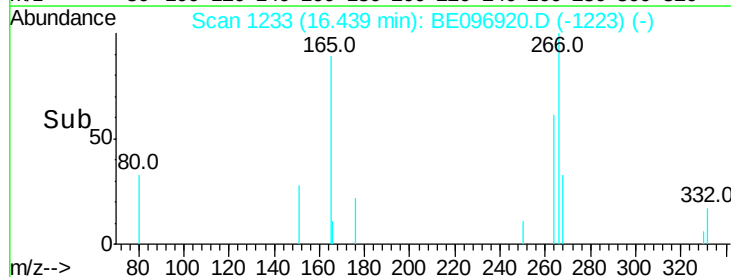
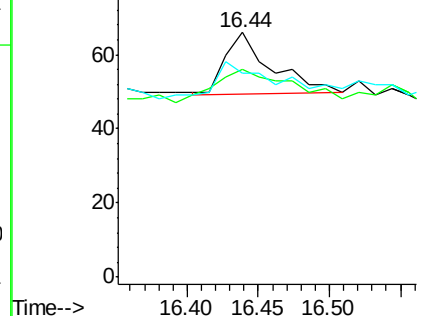
Ion	Ratio	Lower	Upper
266	100		
264	84.8	72.5	108.7
268	83.3	73.8	110.6

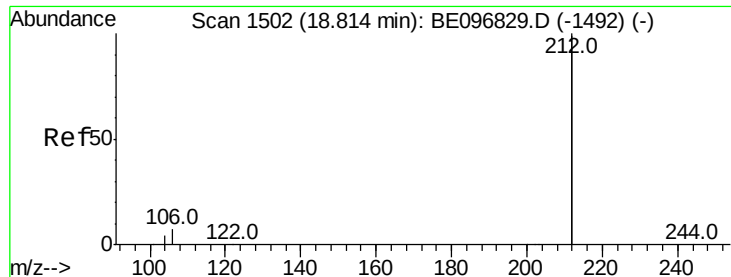


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.503 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

Instrument :

BNA_E

ClientSampleId :

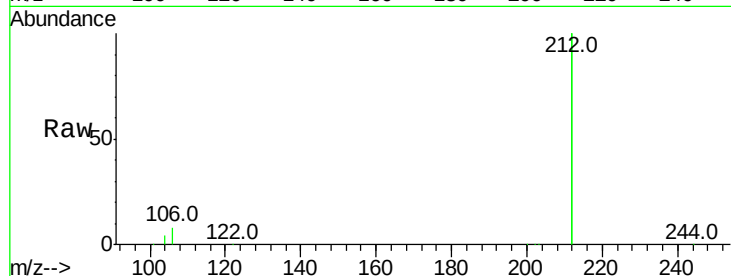
Tot Ion:212 Resp: 74860

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

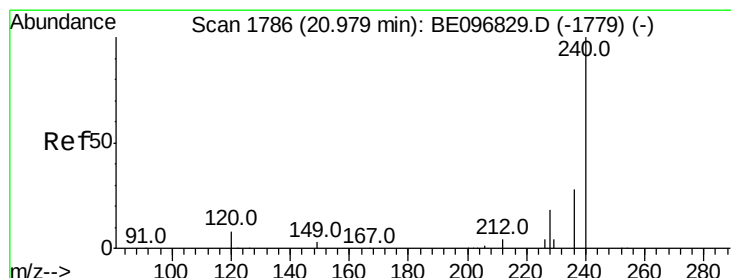
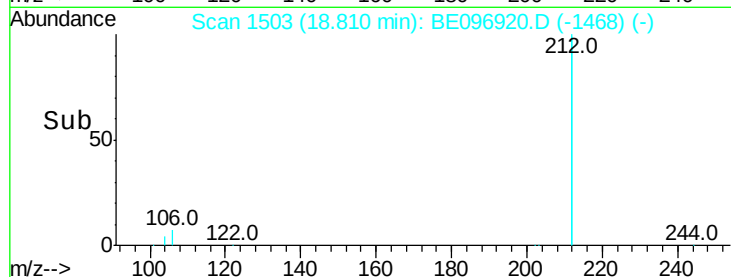
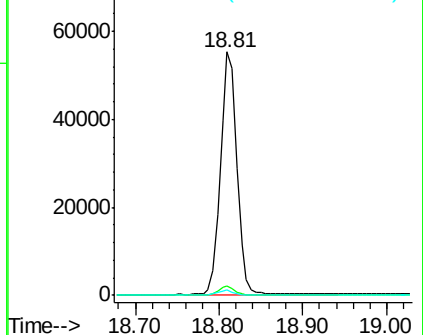
104 1.9 1.6 2.4



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# 1788

Delta R.T. 0.00 min

Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

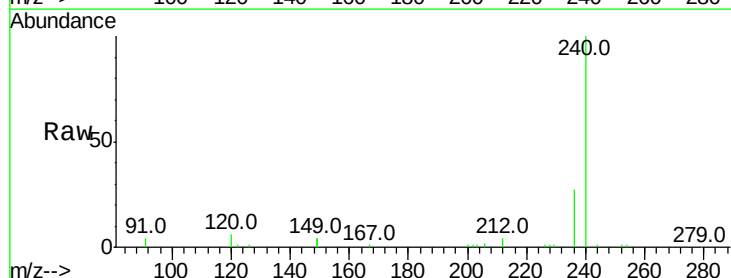
Tgt Ion:240 Resp: 15949

Ion Ratio Lower Upper

240 100

120 6.3 5.5 8.3

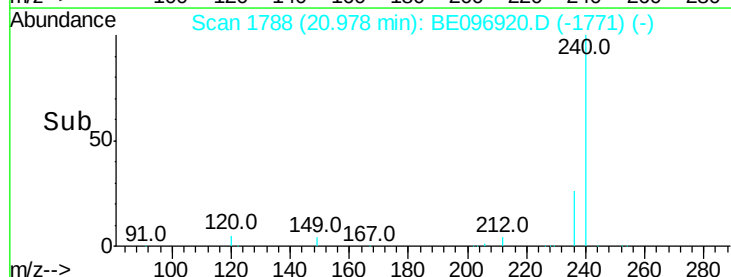
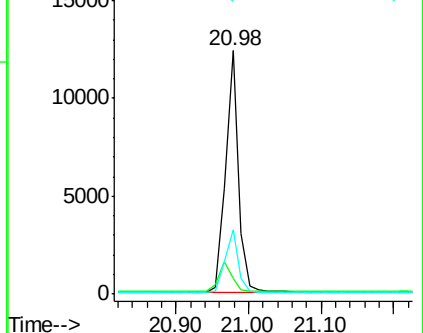
236 26.7 20.7 31.1

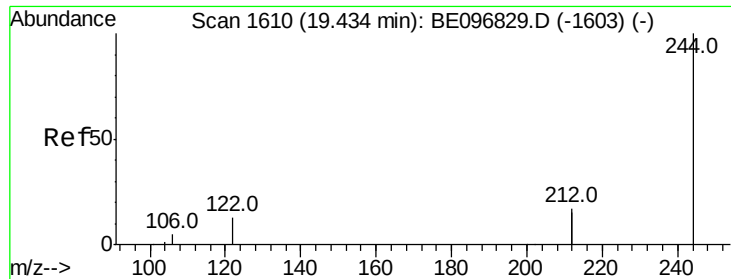


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.760 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

Instrument :

BNA_E

ClientSampleId :

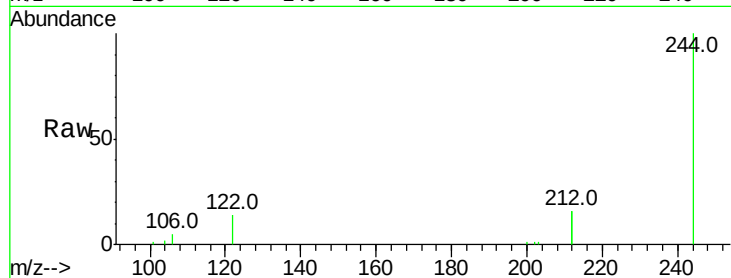
Tot Ion:244 Resp: 23409

Ion Ratio Lower Upper

244 100

212 32.3 25.4 38.0

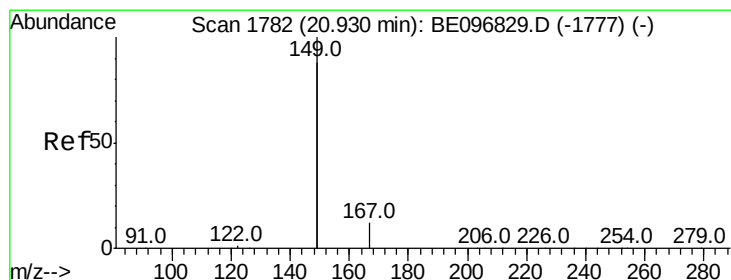
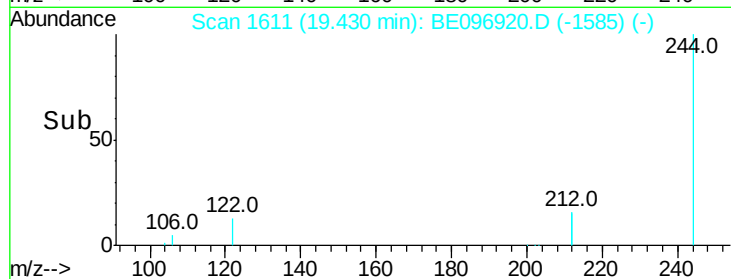
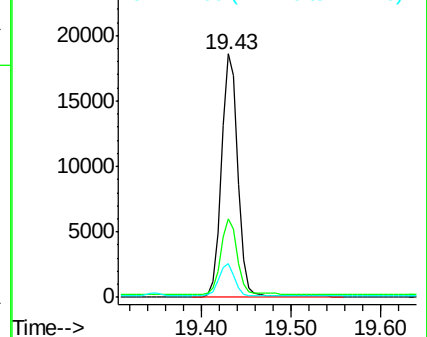
122 14.1 8.1 12.1#



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: 0.345 ng

RT: 20.93 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

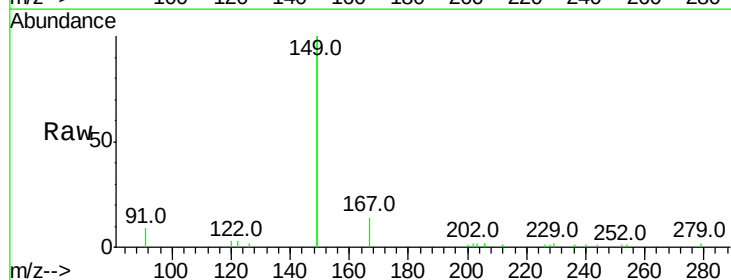
Tgt Ion:149 Resp: 10921

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

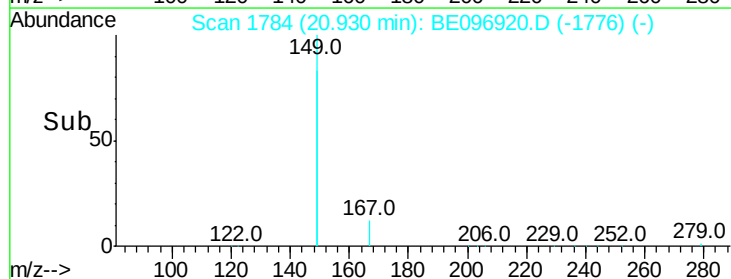
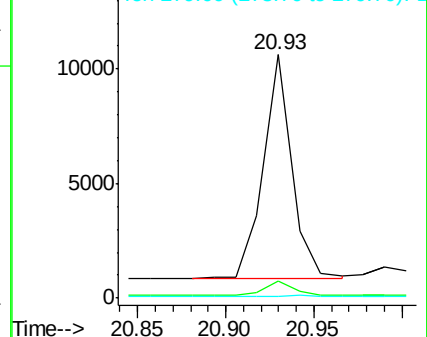
279 0.9 0.7 1.1

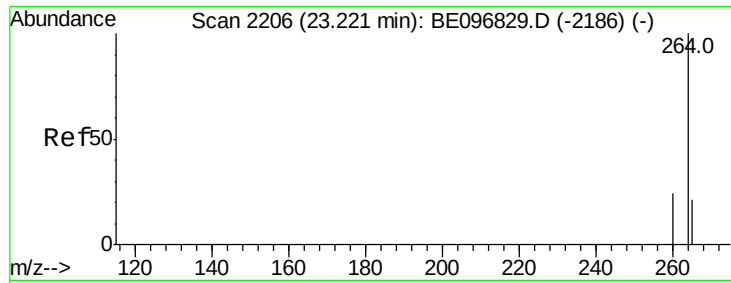


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

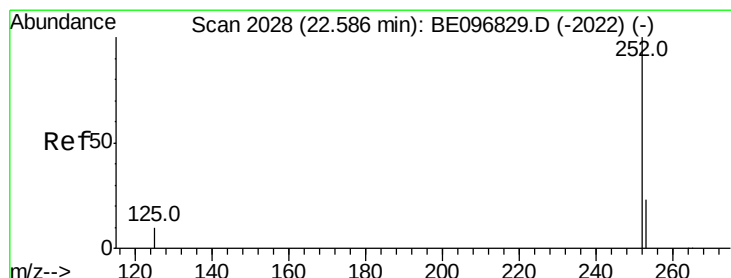
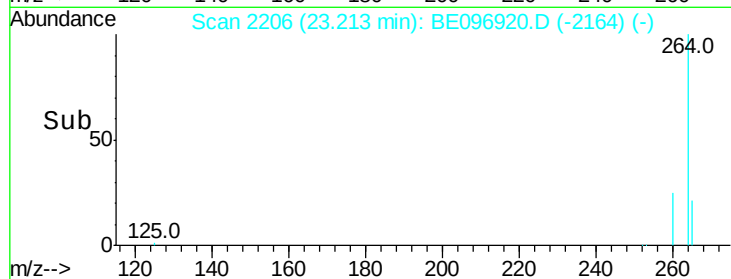
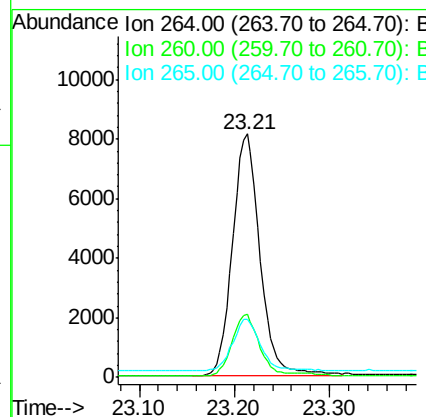
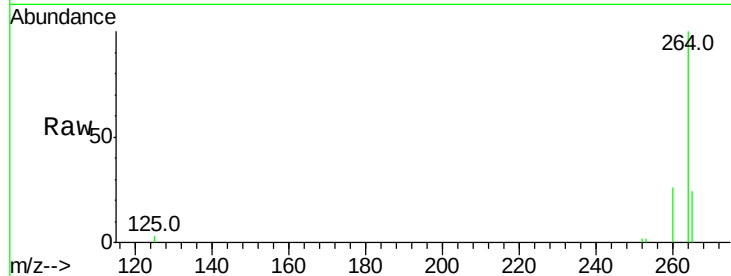




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BE096920.D
Acq: 14 Jul 2018 1:57

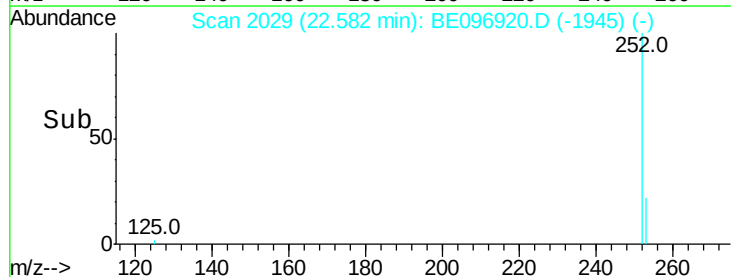
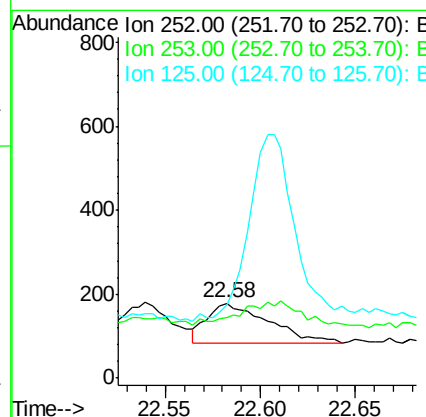
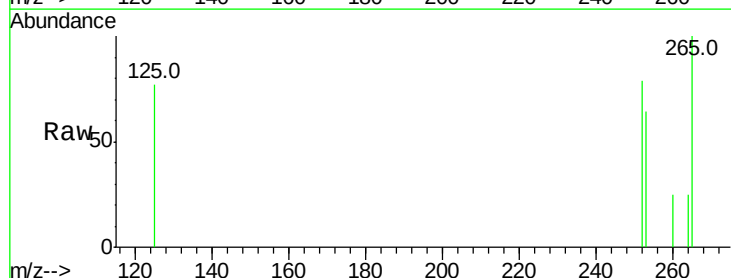
Instrument :
BNA_E
ClientSampleId :

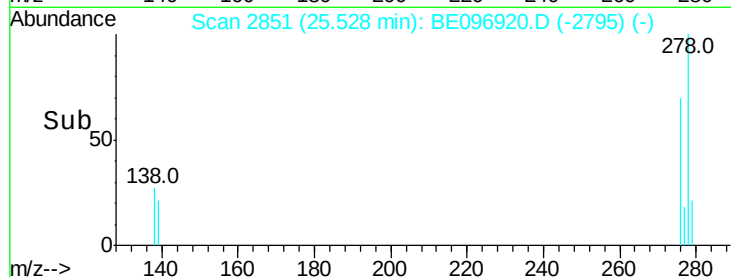
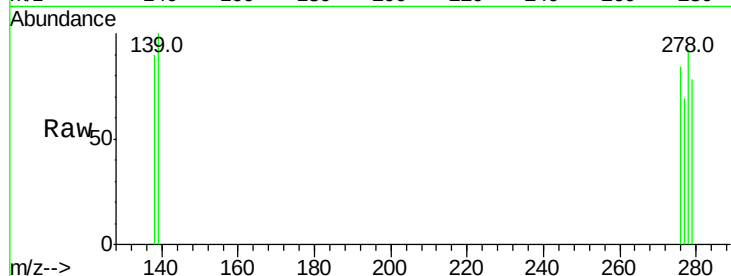
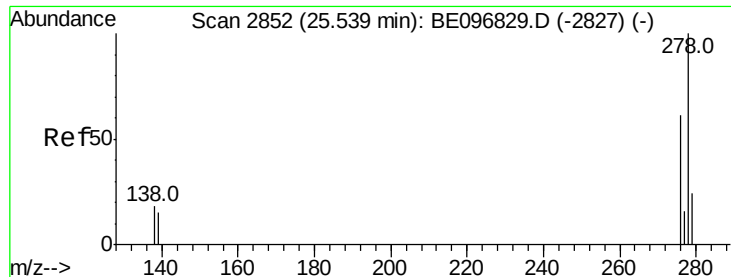
Tot Ion:264 Resp: 16222
Ion Ratio Lower Upper
264 100
260 25.8 20.5 30.7
265 23.8 22.8 34.2



#36
Benzo(k)fluoranthene
Concen: 0.087 ng
RT: 22.58 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BE096920.D
Acq: 14 Jul 2018 1:57

Tgt Ion:252 Resp: 216
Ion Ratio Lower Upper
252 100
253 81.6 16.0 24.0#
125 98.3 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.111 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE096920.D

Acq: 14 Jul 2018 1:57

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	278	Resp:	61
Ion Ratio	Lower	Upper	
278	100		
139	108.3	16.0	24.0#
279	84.5	20.0	30.0#

