

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072018\
 Data File : BE097022.D
 Acq On : 20 Jul 2018 9:41
 Operator : SJ/JU
 Sample : J4014-01DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 20 11:34:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 11:34:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1236	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6076	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3805	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	10629	0.40	ng	0.00
27) Chrysene-d12	20.98	240	9761	0.40	ng	0.00
34) Perylene-d12	23.21	264	8590	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	88	0.03	ng	0.00
5) Phenol-d6	6.60	99	69	0.02	ng	0.00
8) Nitrobenzene-d5	8.53	82	232	0.05	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	436	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	51	0.11	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	770	0.05	ng	0.01
25) Fluoranthene-d10	18.81	212	5659	0.06	ng	0.00
29) Terphenyl-d14	19.43	244	3660	0.19	ng	0.00

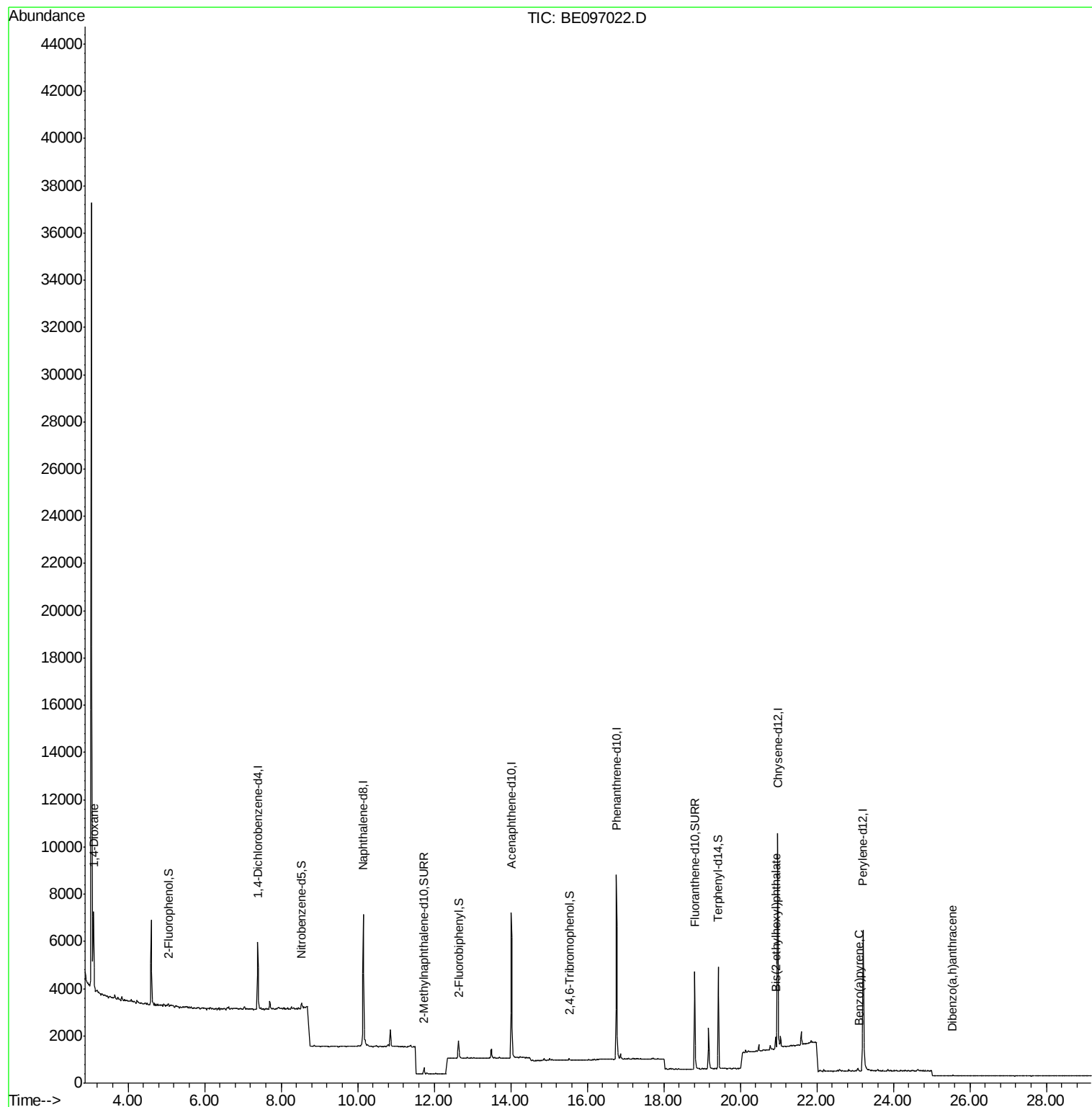
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	1868	1.056	ng	94
22) Pentachlorophenol	16.44	266	15	Below Cal		96
32) Bis(2-ethylhexyl)phthalate	20.93	149	922	0.040	ng	# 98
37) Benzo(a)pyrene	23.12	252	1	0.101	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	3	0.118	ng	# 1

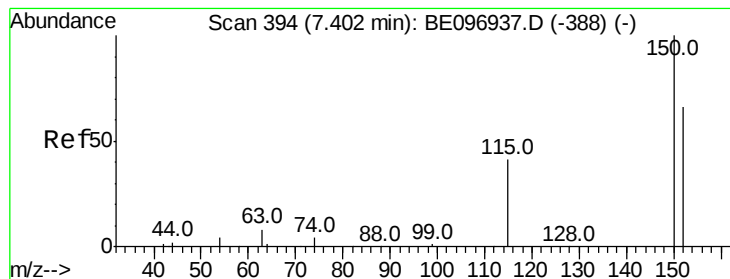
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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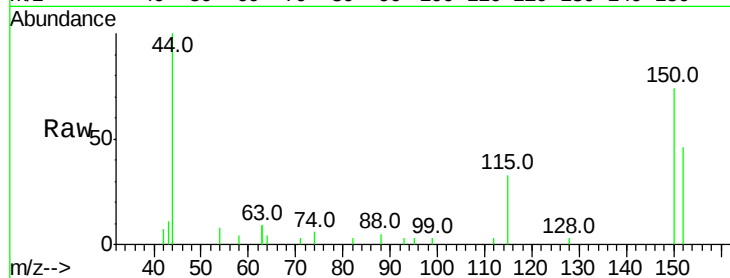


#1

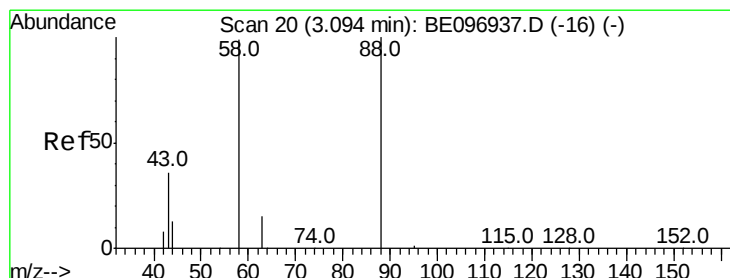
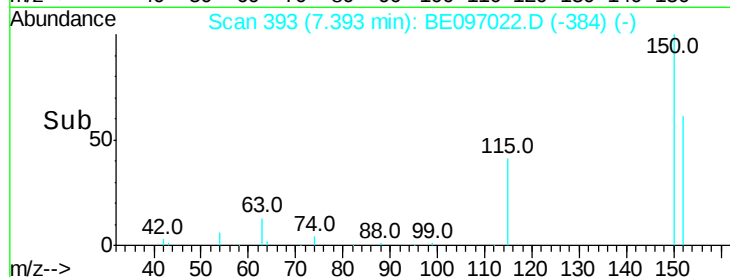
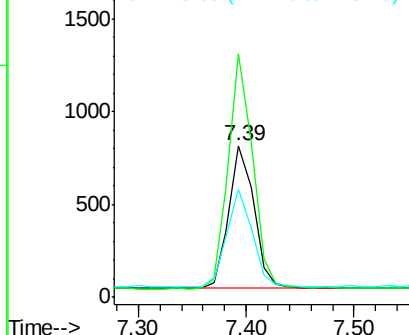
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097022.D
Acq: 20 Jul 2018 9:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1236
Ion Ratio Lower Upper
152 100
150 160.3 117.2 175.8
115 70.7 57.0 85.6



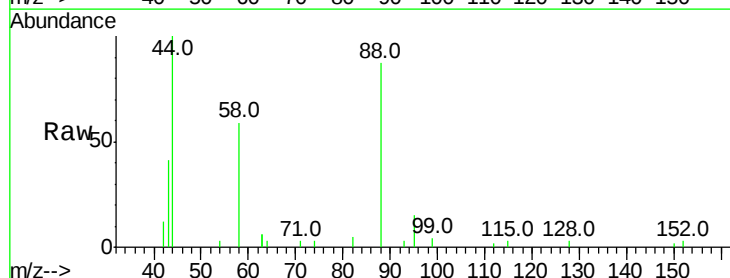
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



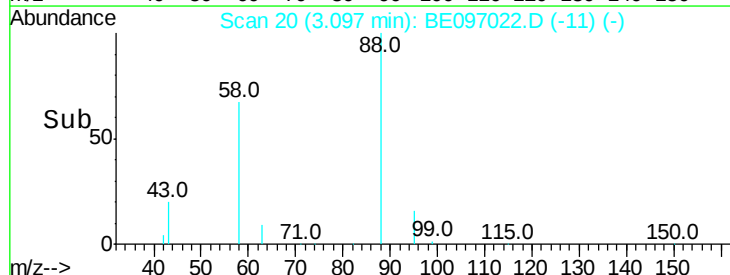
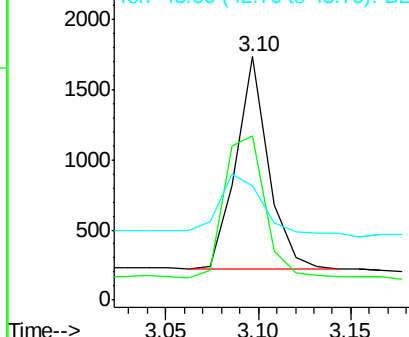
#2

1,4-Dioxane
Concen: 1.056 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097022.D
Acq: 20 Jul 2018 9:41

Tgt Ion: 88 Resp: 1868
Ion Ratio Lower Upper
88 100
58 82.3 63.2 94.8
43 44.3 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: 0.030 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

Instrument :

BNA_E

ClientSampleId :

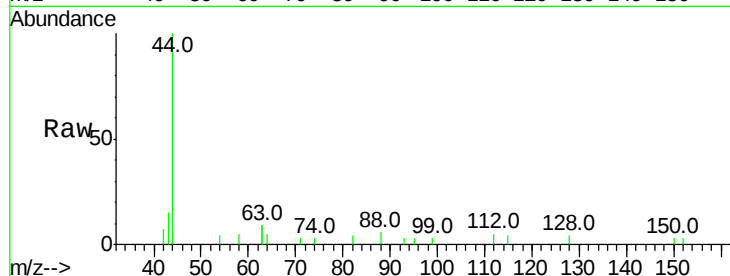
Tot Ion:112 Resp: 88

Ion Ratio Lower Upper

112 100

64 95.5 60.1 90.1#

63 173.9 116.8 175.2



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

400

300

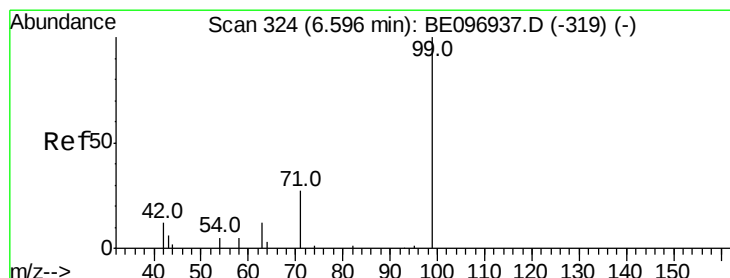
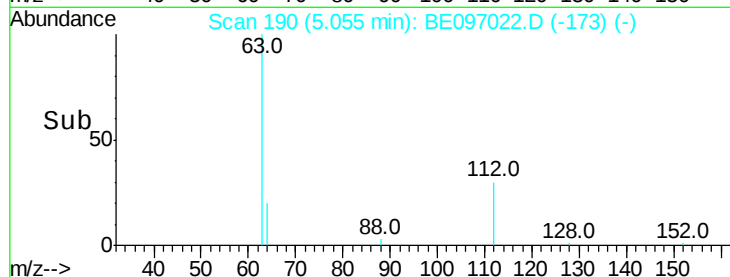
200

100

0

5.00 5.05 5.10 5.15

Time-->



#5

Phenol-d6

Concen: 0.015 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

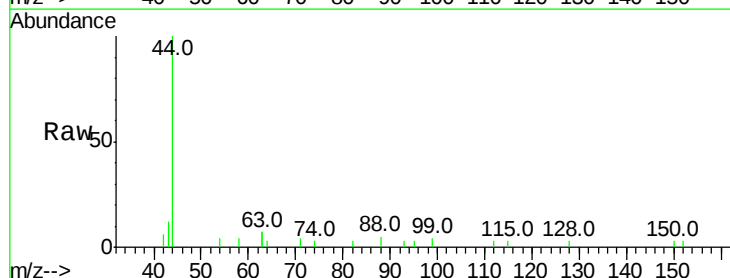
Tgt Ion: 99 Resp: 69

Ion Ratio Lower Upper

99 100

42 40.6 20.2 30.2#

71 49.3 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

150

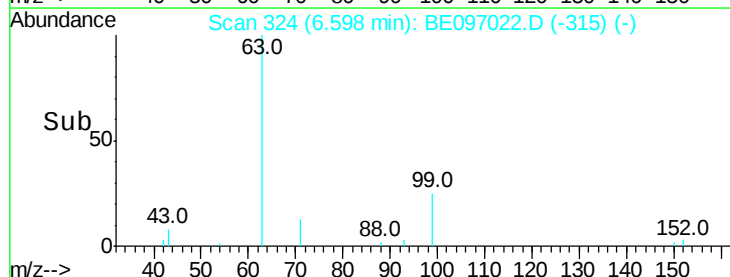
100

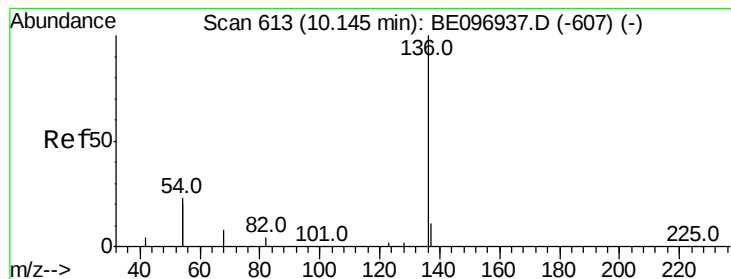
50

0

6.55 6.60 6.65

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6076

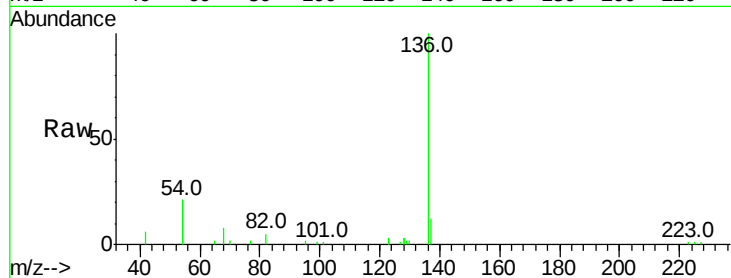
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 42.0 29.1 43.7

68 8.0 6.2 9.2

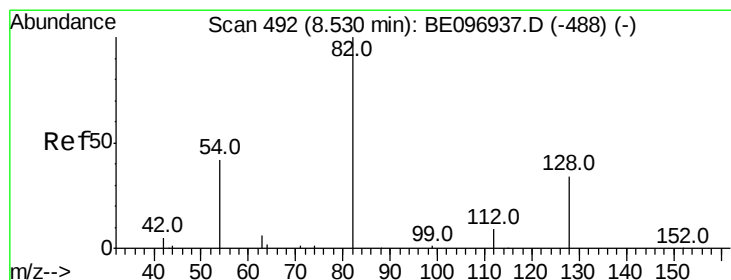
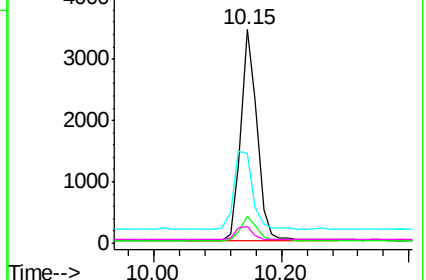
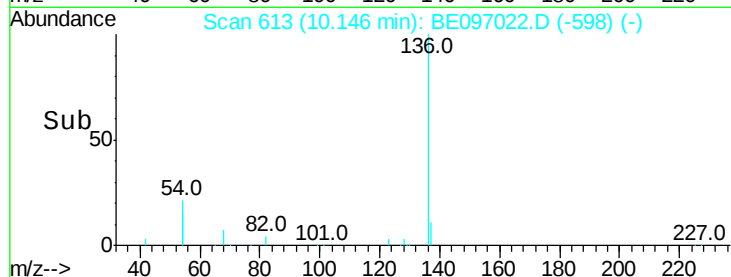


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.052 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

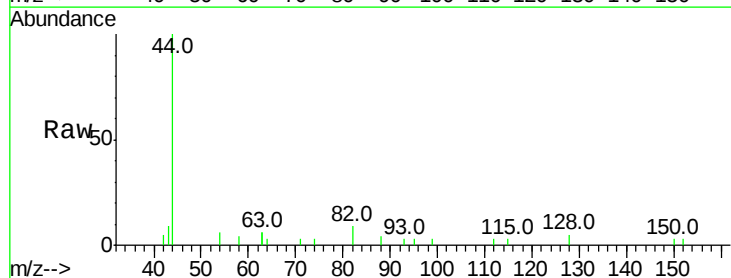
Tgt Ion: 82 Resp: 232

Ion Ratio Lower Upper

82 100

128 53.6 24.0 36.0#

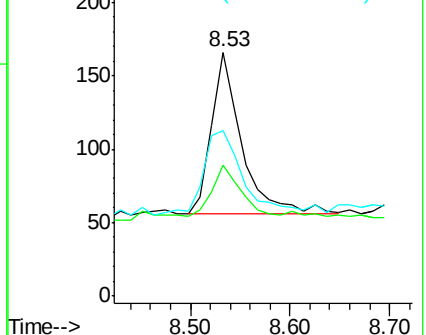
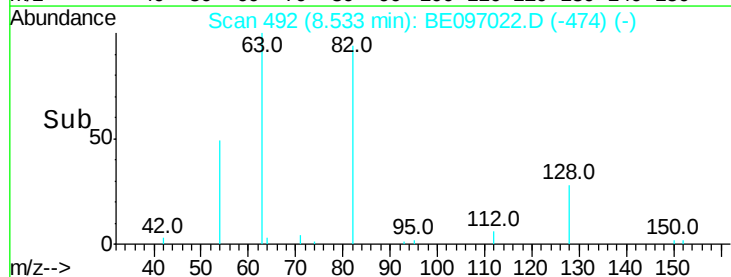
54 68.1 40.0 60.0#

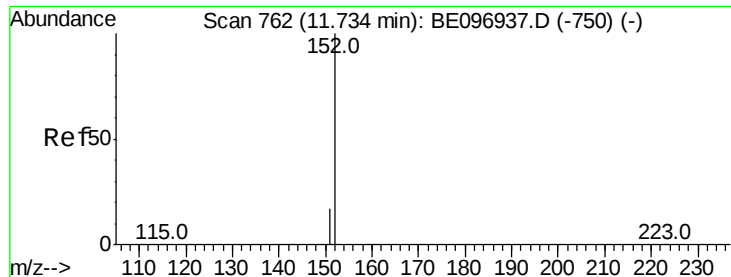


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.049 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

Instrument :

BNA_E

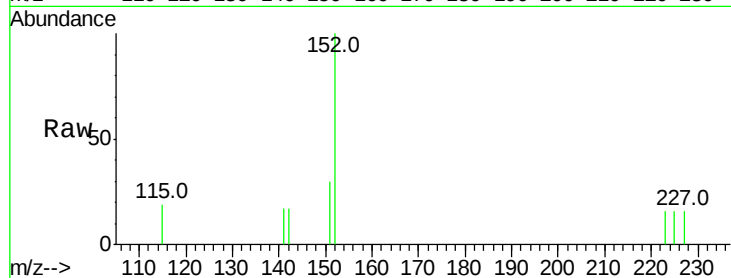
ClientSampleId :

Tot Ion:152 Resp: 436

Ion Ratio Lower Upper

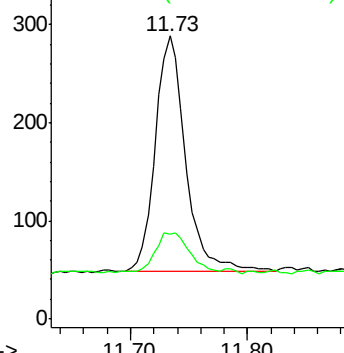
152 100

151 20.9 15.4 23.0

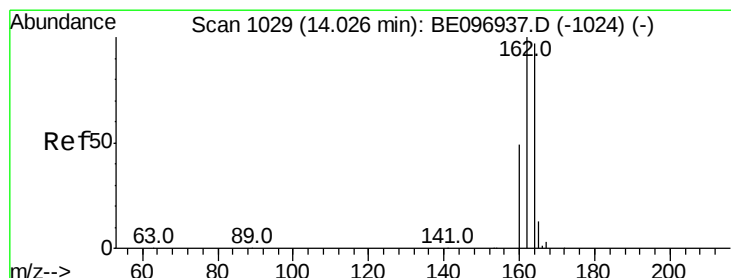
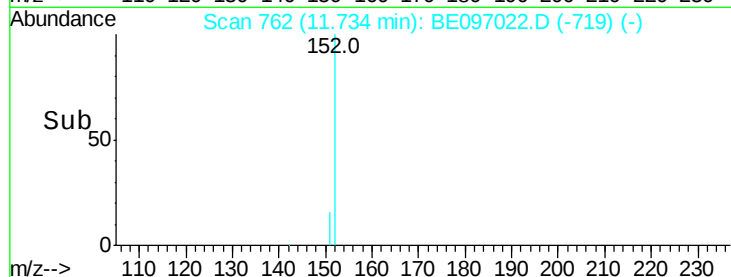


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time--> 11.70 11.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

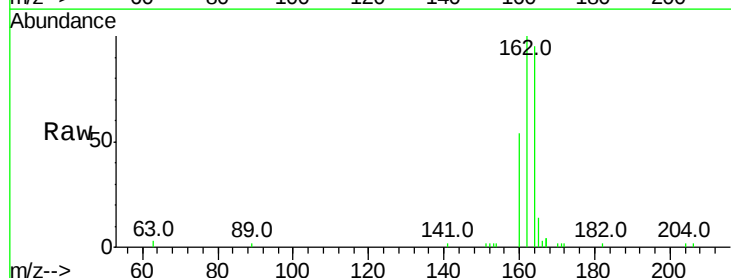
Tgt Ion:164 Resp: 3805

Ion Ratio Lower Upper

164 100

162 104.7 83.1 124.7

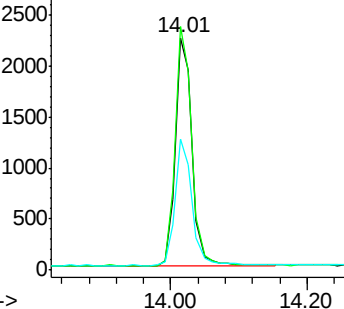
160 56.6 37.1 55.7#



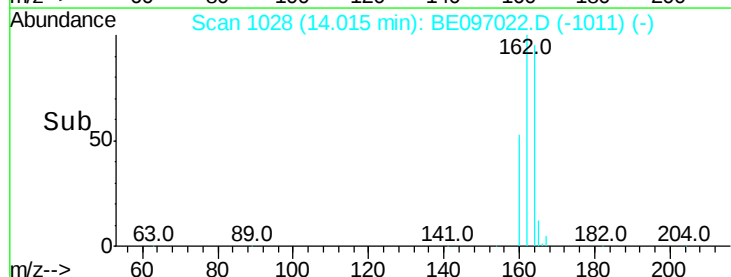
Abundance Ion 164.00 (163.70 to 164.70): E

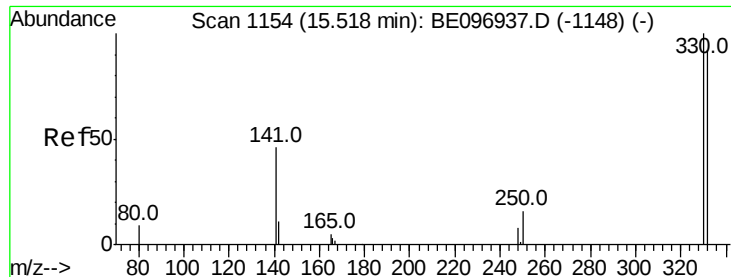
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 14.00 14.20





#14

2,4,6-Tribromophenol

Concen: 0.105 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

Instrument :

BNA_E

ClientSampled :

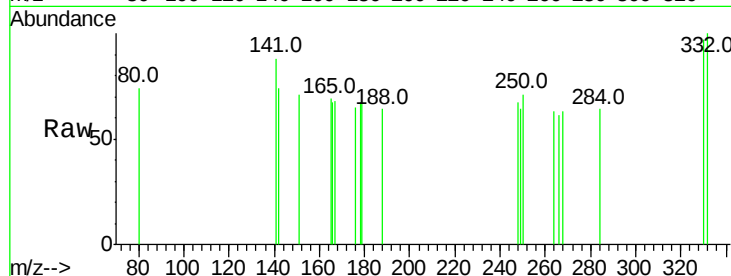
Tot Ion:330 Resp: 51

Ion Ratio Lower Upper

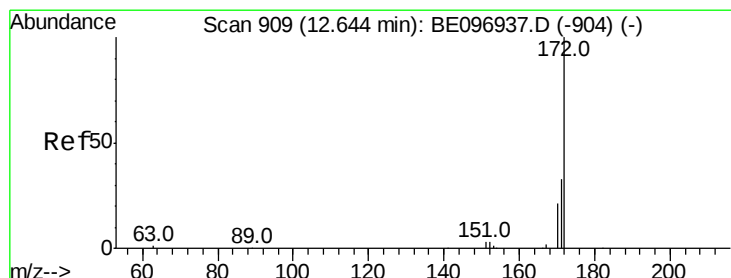
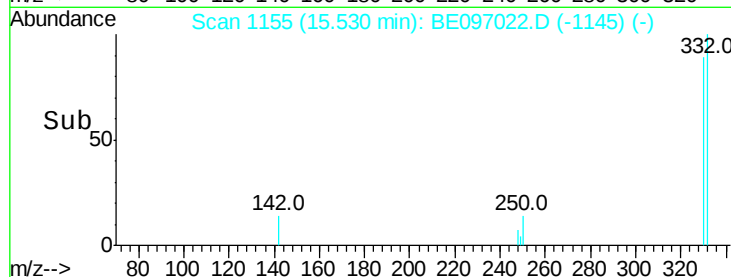
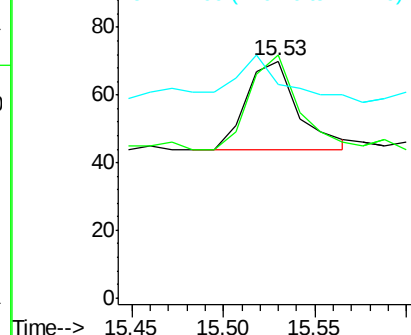
330 100

332 100.0 152.7 229.1#

141 49.0 33.7 50.5



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#15

2-Fluorobiphenyl

Concen: 0.054 ng

RT: 12.64 min Scan# 909

Delta R.T. 0.01 min

Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

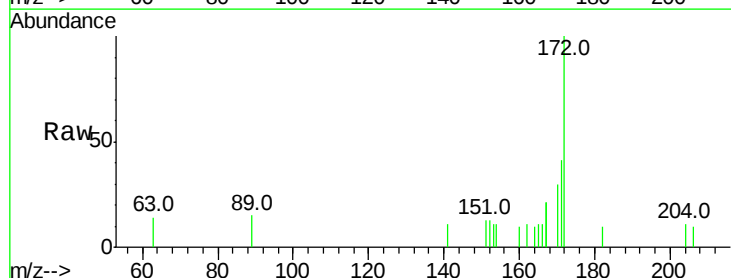
Tgt Ion:172 Resp: 770

Ion Ratio Lower Upper

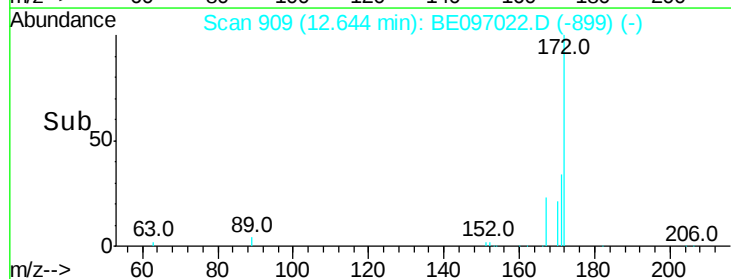
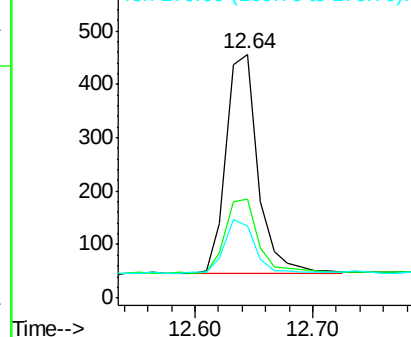
172 100

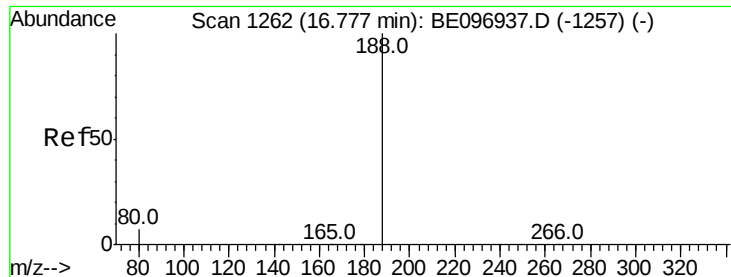
171 40.8 29.9 44.9

170 29.6 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

Instrument :

BNA_E

ClientSampleId :

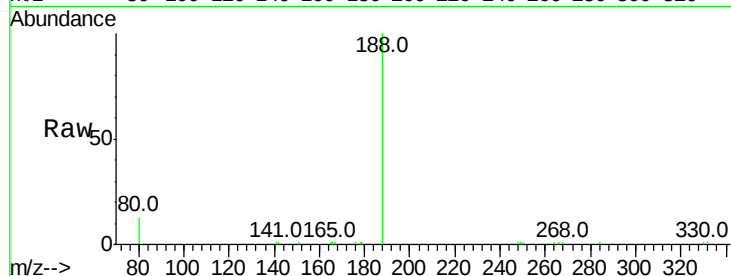
Tot Ion:188 Resp: 10629

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

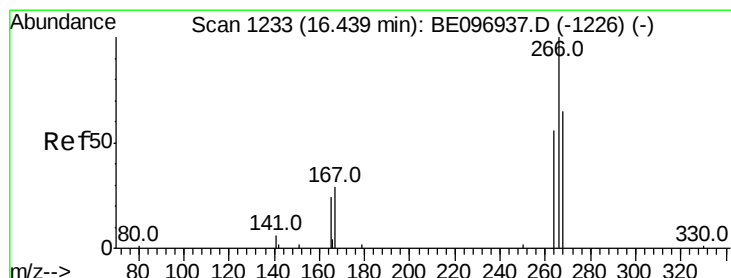
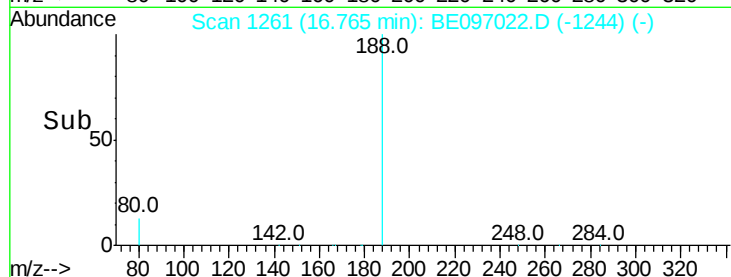
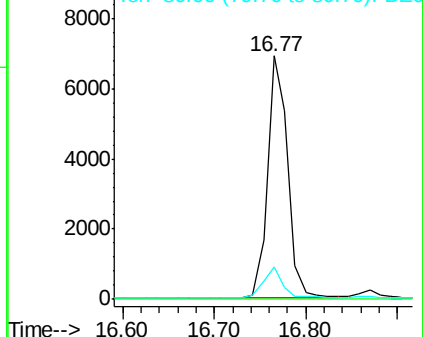
80 13.5 3.6 5.4#



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: Below Cal

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

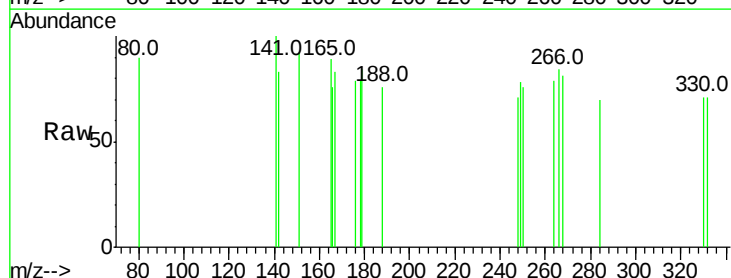
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

264 94.3 72.5 108.7

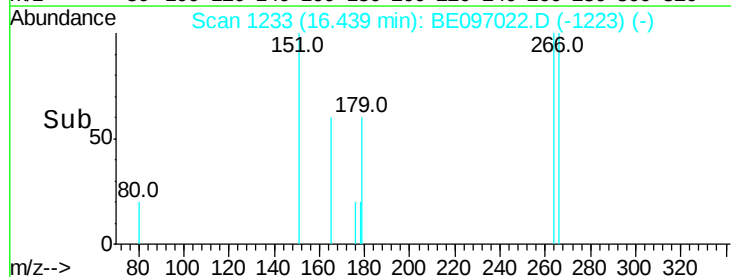
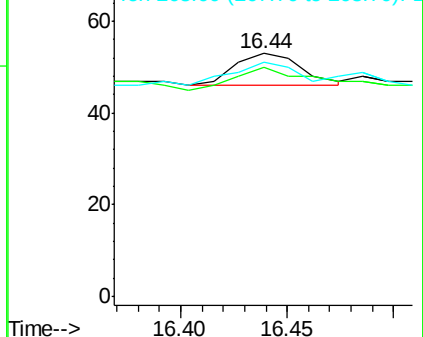
268 96.2 73.8 110.6

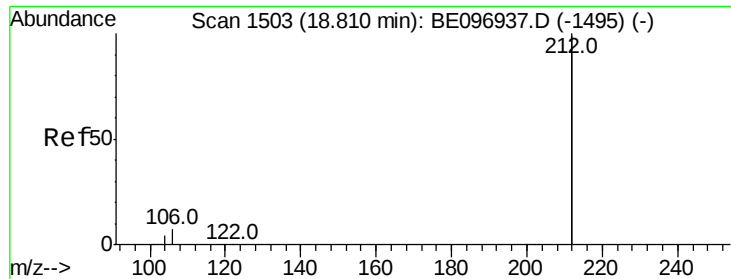


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.061 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097022.D

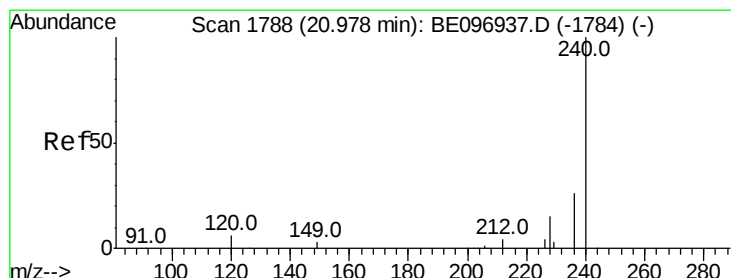
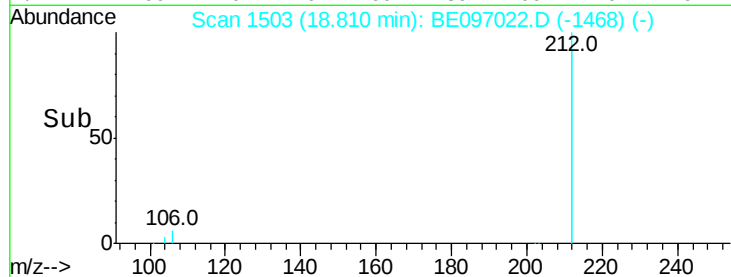
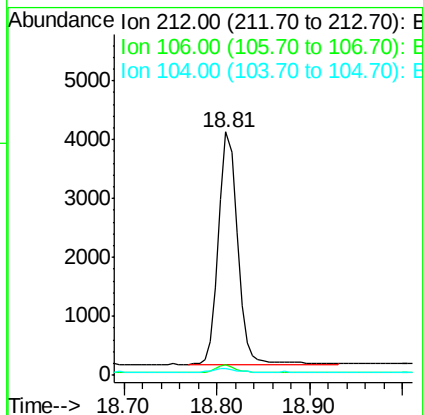
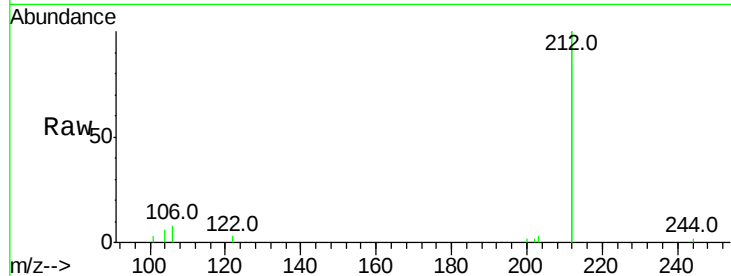
Acq: 20 Jul 2018 9:41

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	5659
Ion Ratio	Lower	Upper
212	100	
106	3.2	2.8 4.2
104	1.8	1.6 2.4



#27

Chrysene-d12

Concen: 0.400 ng

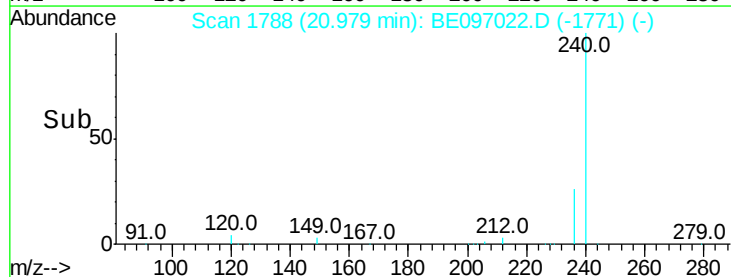
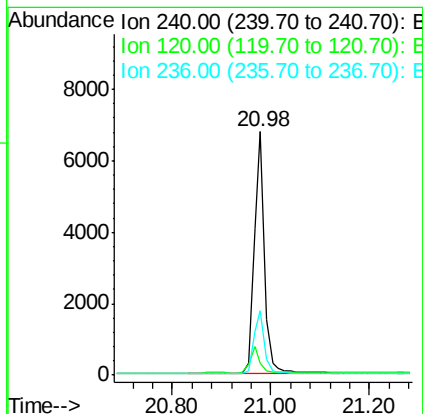
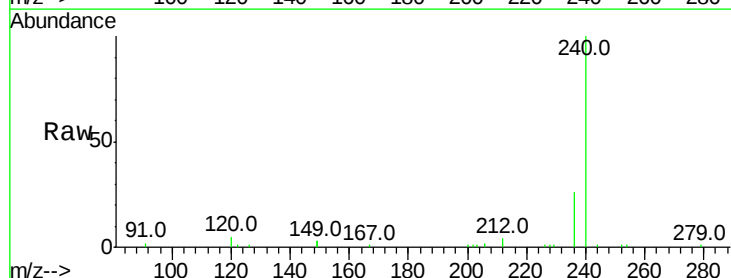
RT: 20.98 min Scan# 1788

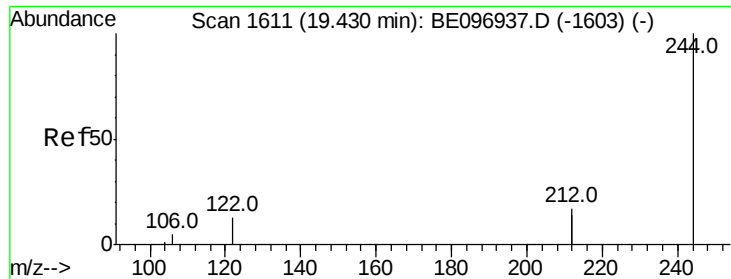
Delta R.T. 0.00 min

Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

Tgt Ion:240	Resp:	9761
Ion Ratio	Lower	Upper
240	100	
120	5.1	5.5 8.3#
236	26.4	20.7 31.1

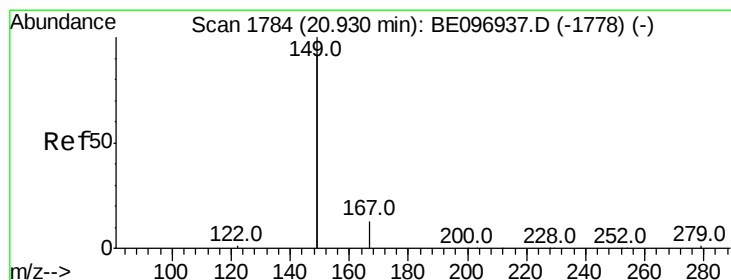
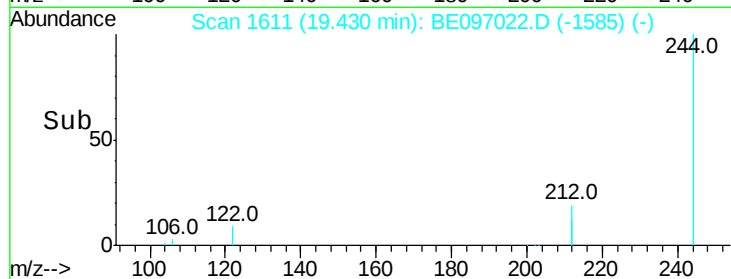
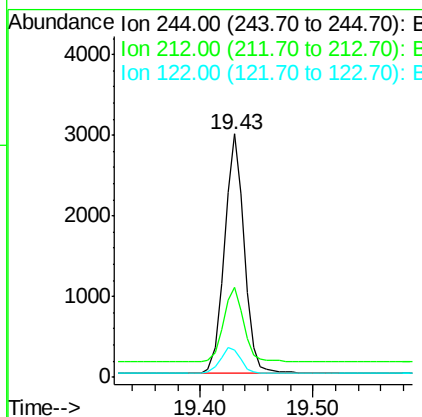
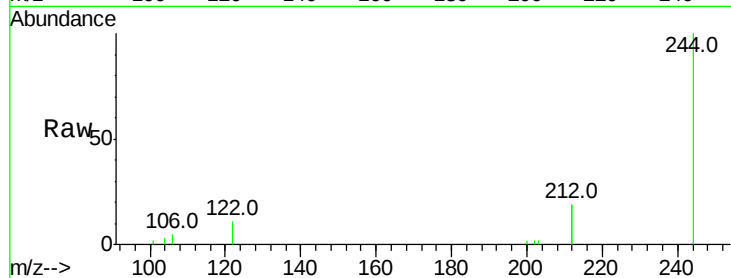




#29
 Terphenyl-d14
 Concen: 0.194 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE097022.D
 Acq: 20 Jul 2018 9:41

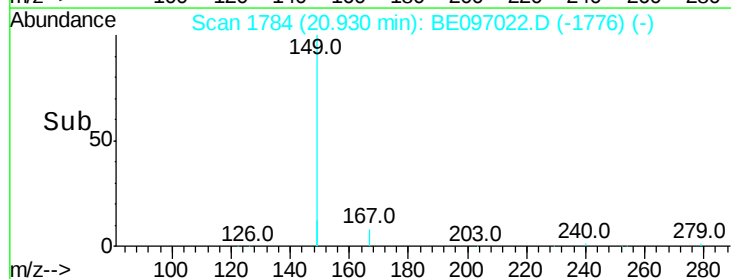
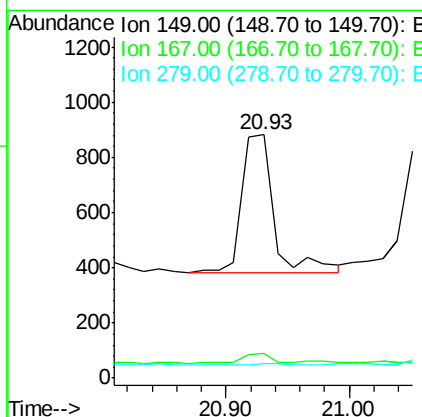
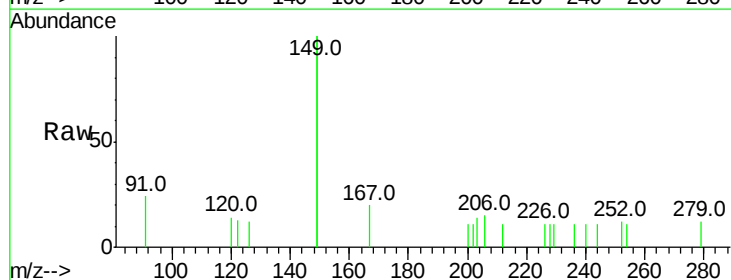
Instrument :
 BNA_E
 ClientSampleId :

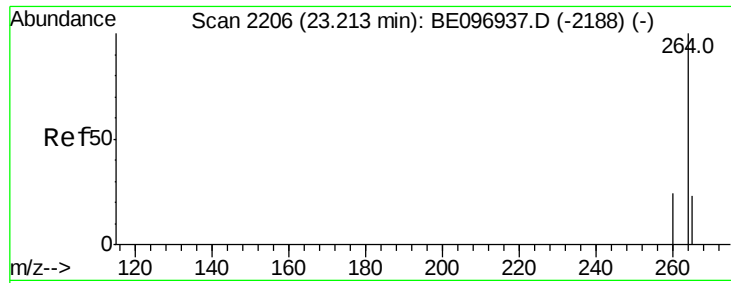
Tot Ion:244 Resp: 3660
 Ion Ratio Lower Upper
 244 100
 212 37.2 25.4 38.0
 122 11.1 8.1 12.1



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.040 ng
 RT: 20.93 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: BE097022.D
 Acq: 20 Jul 2018 9:41

Tgt Ion:149 Resp: 922
 Ion Ratio Lower Upper
 149 100
 167 5.9 5.4 8.0
 279 0.7 0.7 1.1#

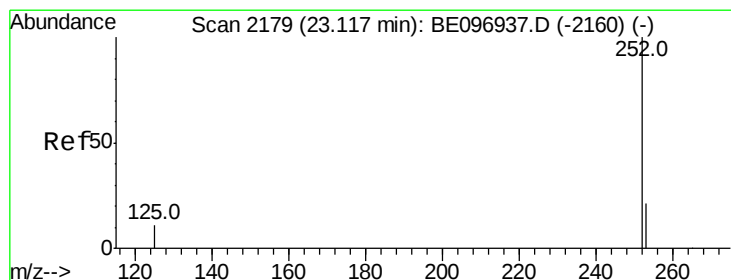
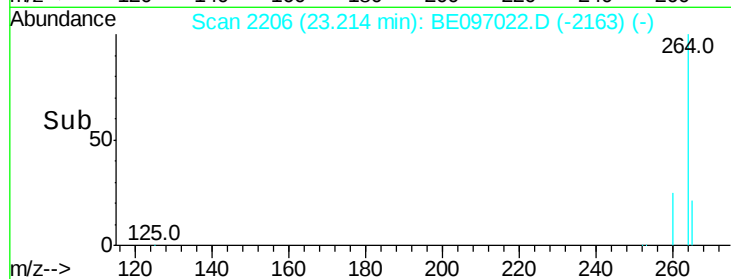
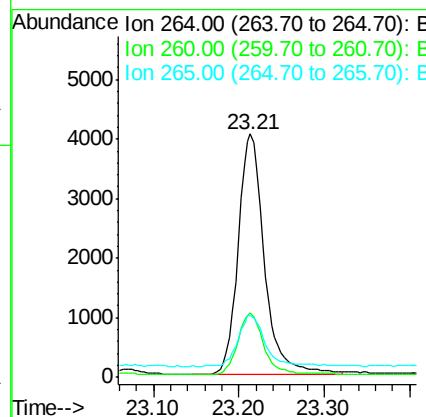
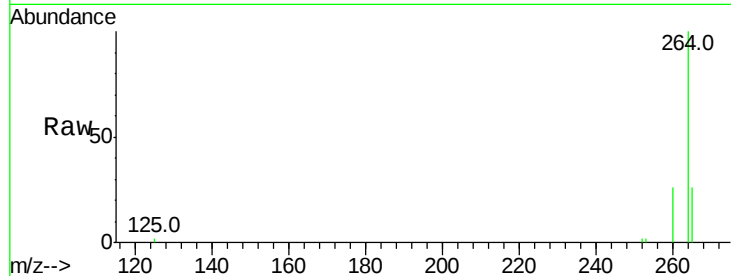




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE097022.D
 Acq: 20 Jul 2018 9:41

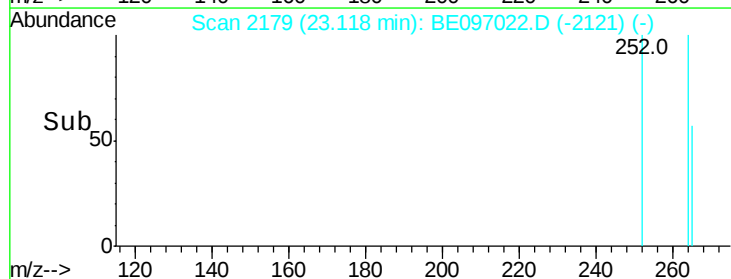
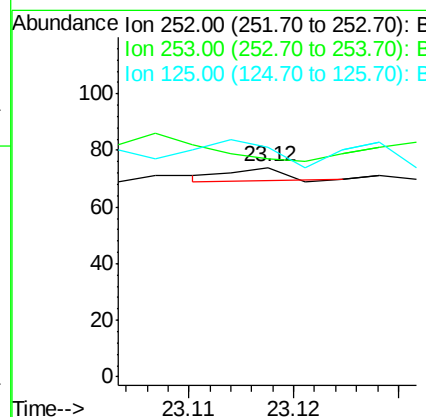
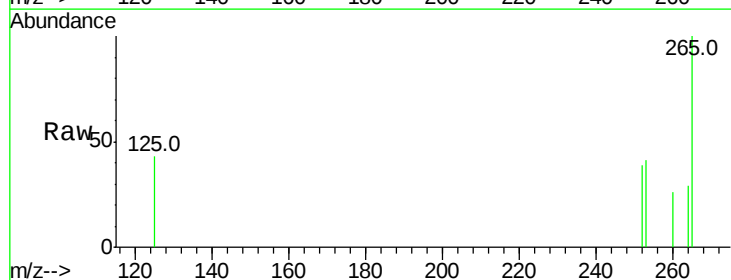
Instrument :
 BNA_E
 ClientSampleId :

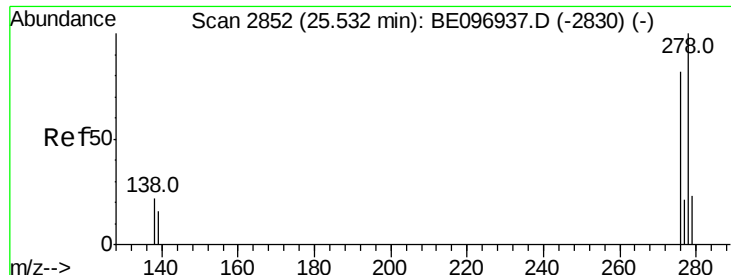
Tot Ion:264 Resp: 8590
 Ion Ratio Lower Upper
 264 100
 260 26.2 20.5 30.7
 265 25.6 22.8 34.2



#37
 Benzo(a)pyrene
 Concen: 0.101 ng
 RT: 23.12 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: BE097022.D
 Acq: 20 Jul 2018 9:41

Tgt Ion:252 Resp: 1
 Ion Ratio Lower Upper
 252 100
 253 104.1 16.0 24.0#
 125 109.5 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

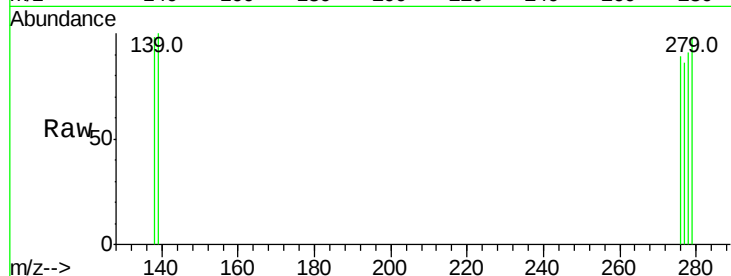
Lab File: BE097022.D

Acq: 20 Jul 2018 9:41

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 278 Resp: 3

Ion Ratio Lower Upper

278 100

139 109.8 16.0 24.0#

279 107.8 20.0 30.0#

