

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092018\
 Data File : BE097599.D
 Acq On : 21 Sep 2018 7:23
 Operator : SJ/JU
 Sample : J4969-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ459I-20180917

Quant Time: Sep 21 13:25:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

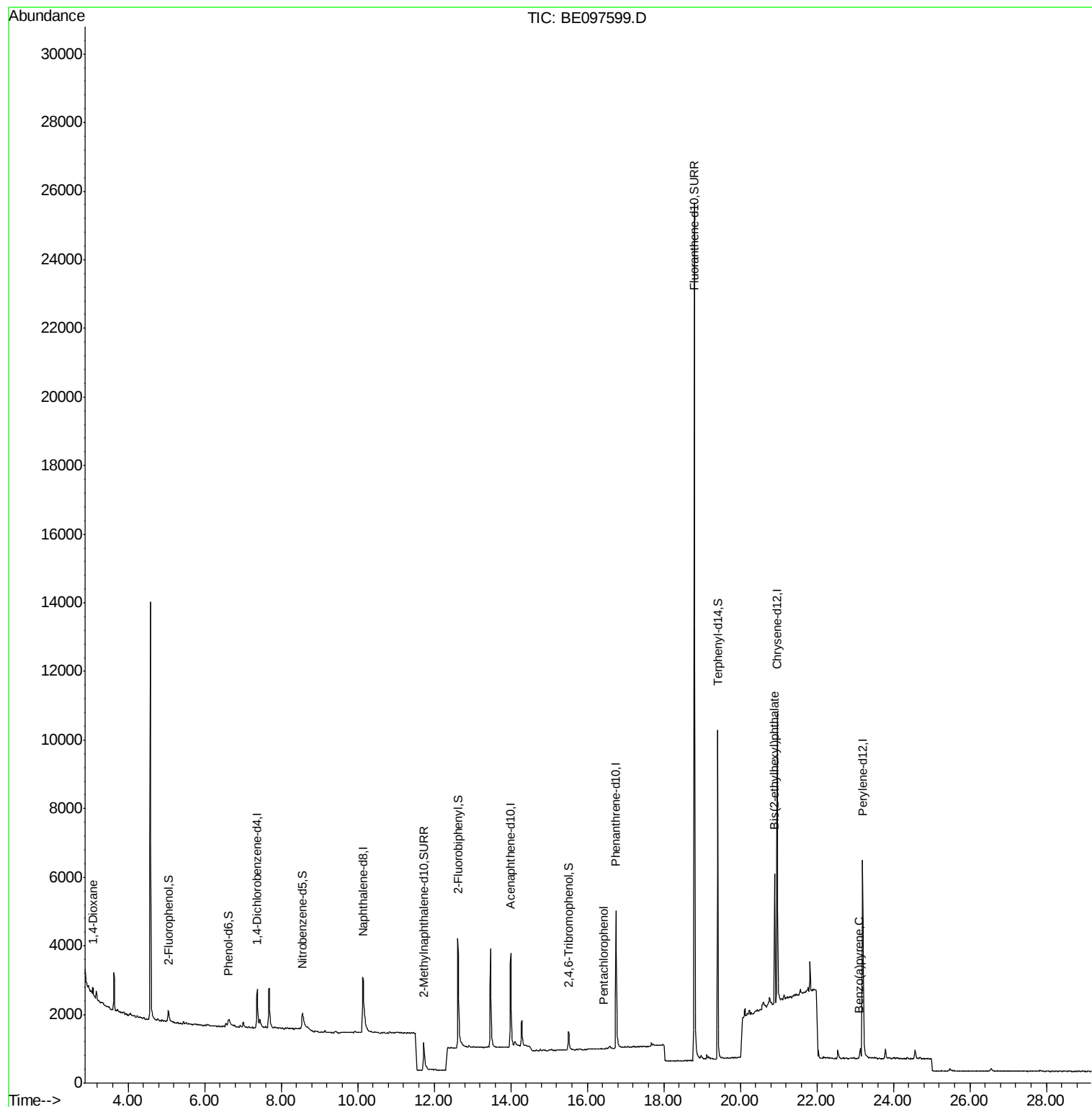
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	690	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	3088	0.40	ng	0.01
13) Acenaphthene-d10	14.00	164	1941	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	6395	0.40	ng	0.00
27) Chrysene-d12	20.97	240	8727	0.40	ng	0.00
34) Perylene-d12	23.20	264	8679	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	321	0.16	ng	0.00
5) Phenol-d6	6.62	99	199	0.08	ng	0.01
8) Nitrobenzene-d5	8.55	82	903	0.38	ng	0.02
11) 2-Methylnaphthalene-d10	11.73	152	1950	0.46	ng	0.01
14) 2,4,6-Tribromophenol	15.51	330	387	0.50	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	4422	0.64	ng	0.00
25) Fluoranthene-d10	18.80	212	36053	0.44	ng	0.00
29) Terphenyl-d14	19.41	244	8985	0.56	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.08	88	155	0.101	ng	Qvalue # 60
22) Pentachlorophenol	16.44	266	6	0.134	ng	92
32) Bis(2-ethylhexyl)phthalate	20.89	149	5009	0.146	ng	# 100
37) Benzo(a)pyrene	23.10	252	9	0.021	ng	# 1

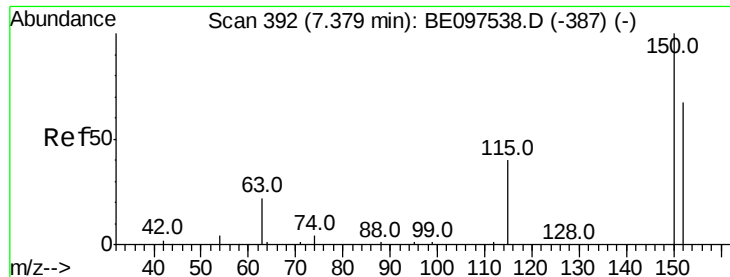
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.38 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

Instrument :

BNA_E

ClientSampleId :

FT-PZ459I-20180917

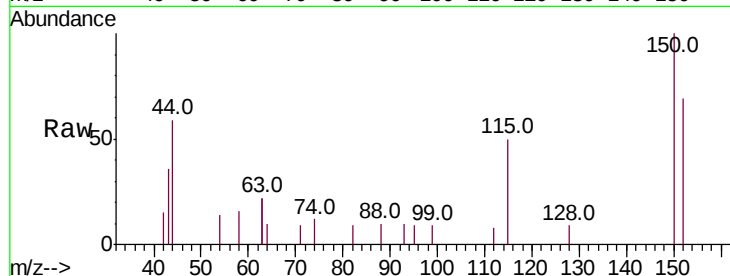
Tot Ion:152 Resp: 690

Ion Ratio Lower Upper

152 100

150 145.4 117.2 175.8

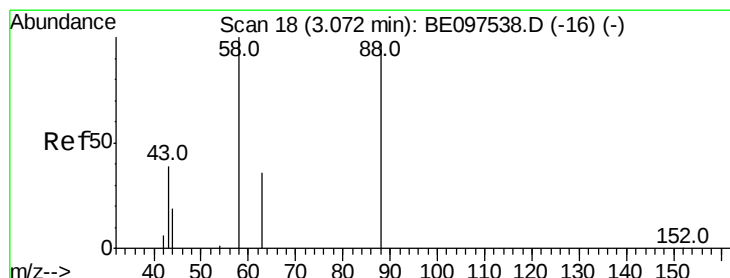
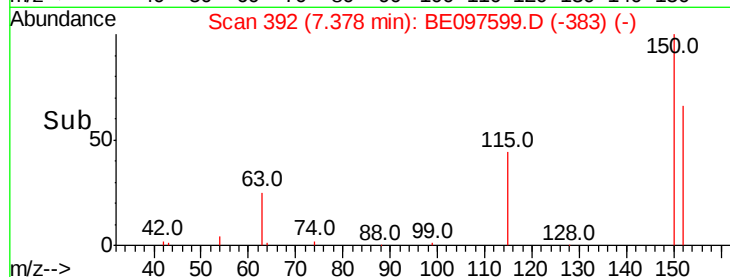
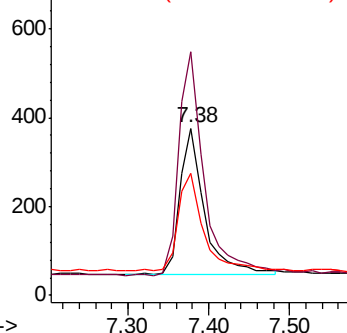
115 73.2 57.0 85.6



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: 0.101 ng

RT: 3.08 min Scan# 19

Delta R.T. 0.01 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

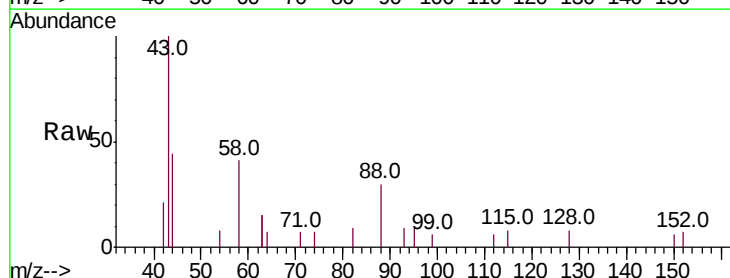
Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

58 94.8 63.2 94.8#

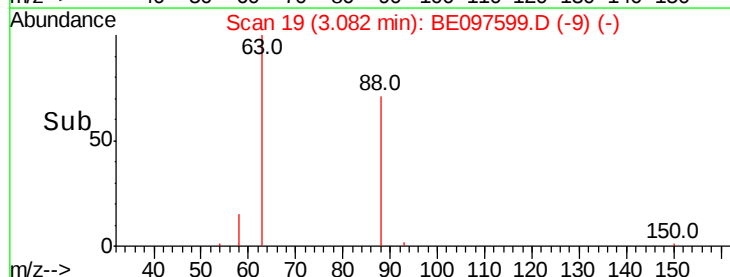
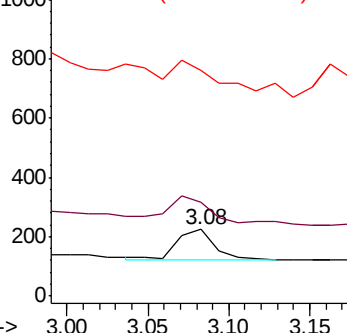
43 0.0 41.2 61.8#

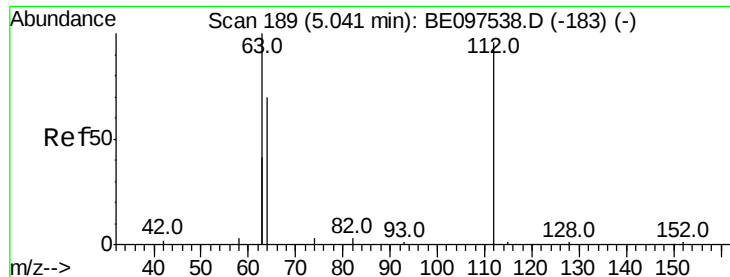


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.155 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

Instrument :

BNA_E

ClientSampleId :

FT-PZ459I-20180917

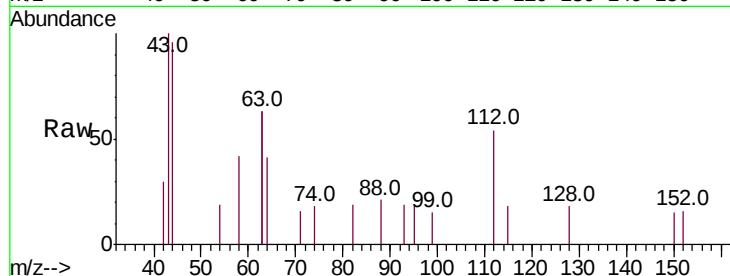
Tot Ion:112 Resp: 321

Ion Ratio Lower Upper

112 100

64 65.4 60.1 90.1

63 157.0 116.8 175.2



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

500

400

300

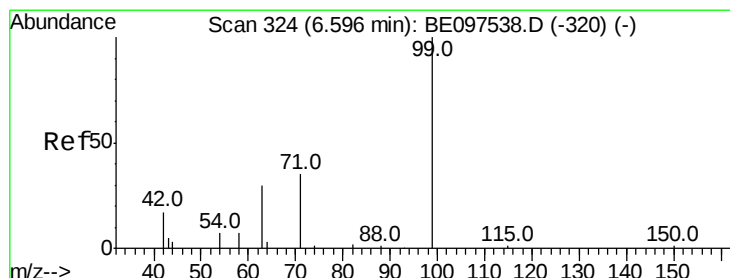
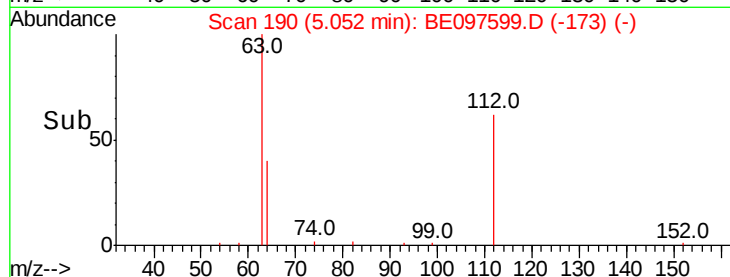
200

100

0

Time--> 4.90 5.00 5.10 5.20

5.05



#5

Phenol-d6

Concen: 0.075 ng

RT: 6.62 min Scan# 326

Delta R.T. 0.01 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

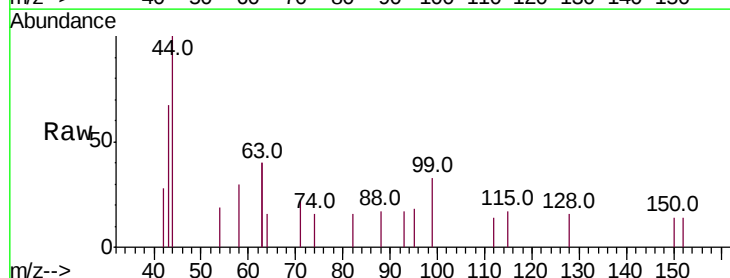
Tgt Ion: 99 Resp: 199

Ion Ratio Lower Upper

99 100

42 25.1 20.2 30.2

71 24.1 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

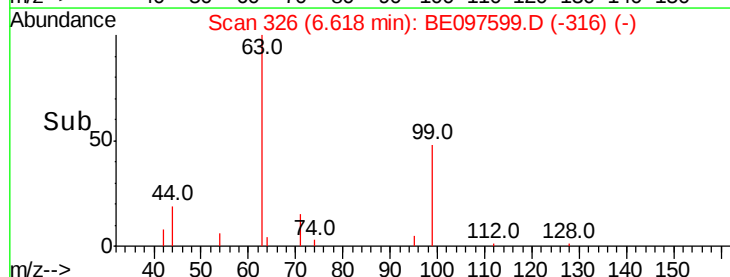
100

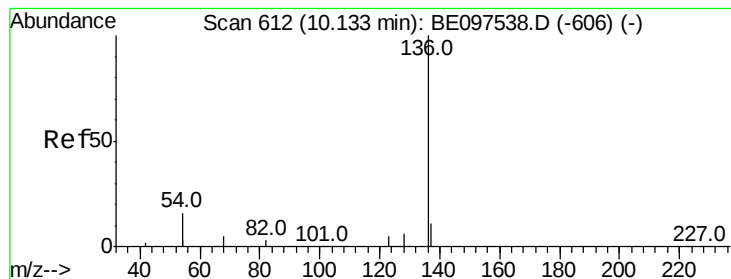
50

0

Time--> 6.55 6.60 6.65

6.62





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.01 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

Instrument :

BNA_E

ClientSampleId :

FT-PZ459I-20180917

Tot Ion:136 Resp: 3088

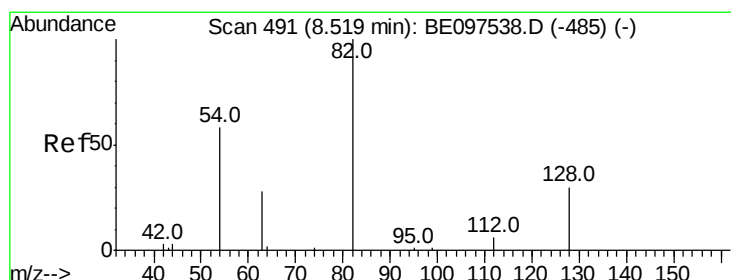
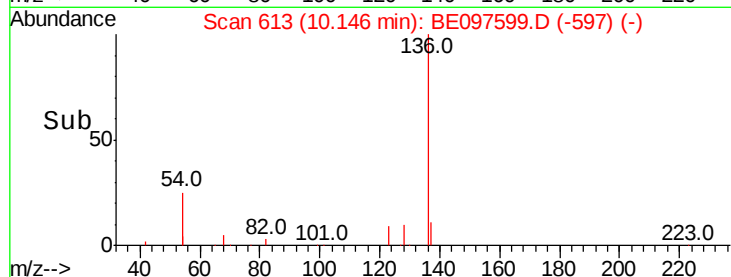
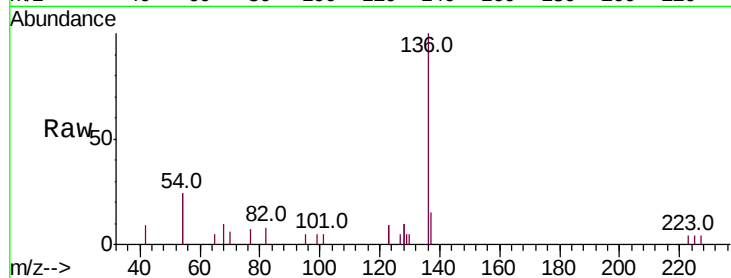
Ion Ratio Lower Upper

136 100

137 14.9 9.5 14.3#

54 48.4 29.1 43.7#

68 10.4 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.379 ng

RT: 8.55 min Scan# 494

Delta R.T. 0.02 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

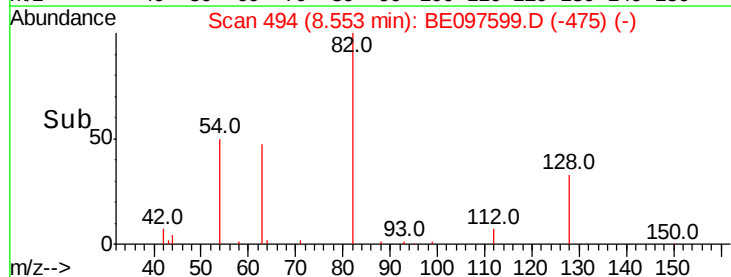
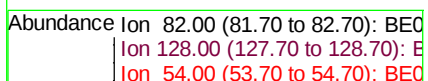
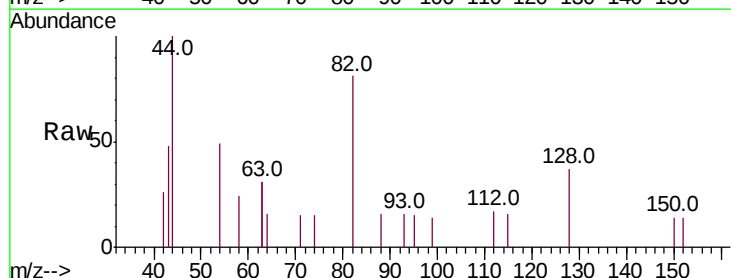
Tgt Ion: 82 Resp: 903

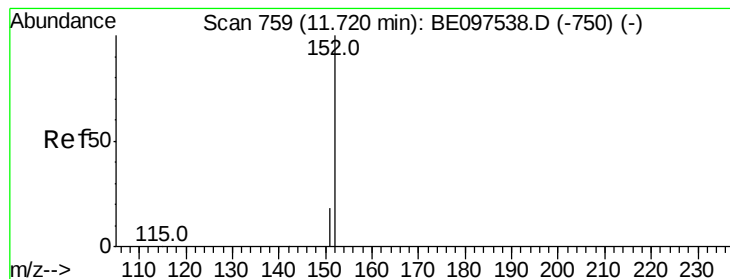
Ion Ratio Lower Upper

82 100

128 45.7 24.0 36.0#

54 60.1 40.0 60.0#





#11

2-Methylnaphthalene-d10

Concen: 0.458 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.01 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

Instrument :

BNA_E

ClientSampleId :

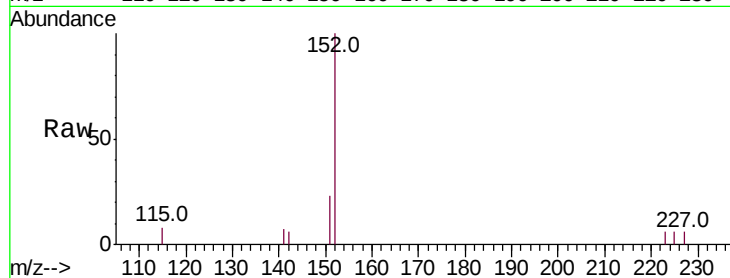
FT-PZ459I-20180917

Tot Ion:152 Resp: 1950

Ion Ratio Lower Upper

152 100

151 18.5 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

800

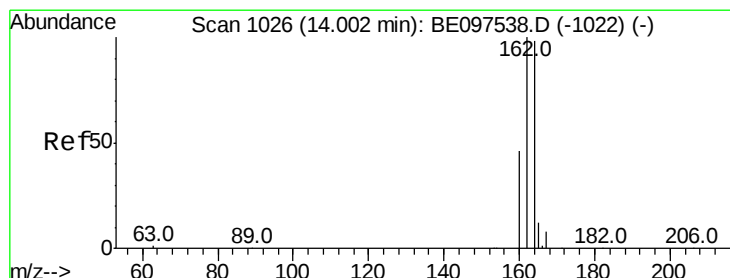
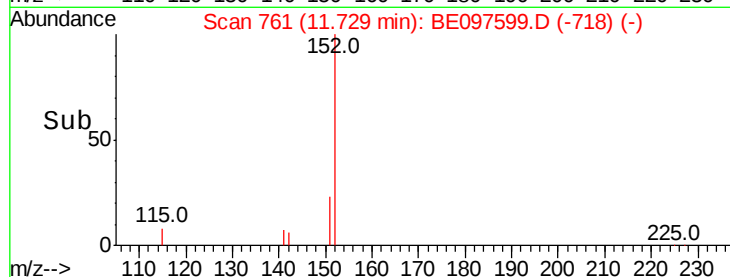
600

400

200

0

Time--> 11.60 11.70 11.80 11.90



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

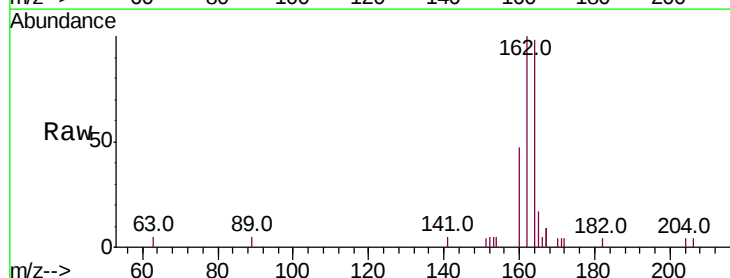
Tgt Ion:164 Resp: 1941

Ion Ratio Lower Upper

164 100

162 102.2 83.1 124.7

160 48.5 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

14.00

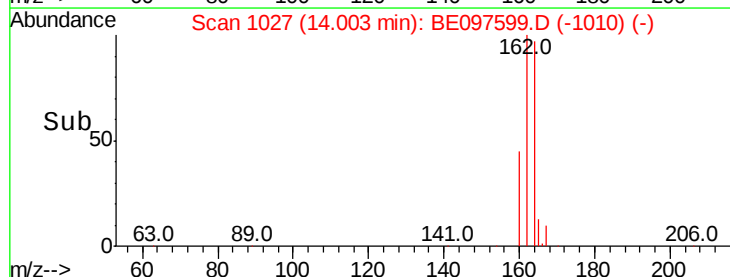
1500

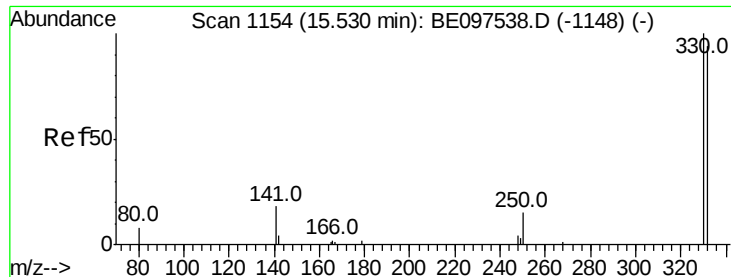
1000

500

0

Time--> 13.90 14.00 14.10

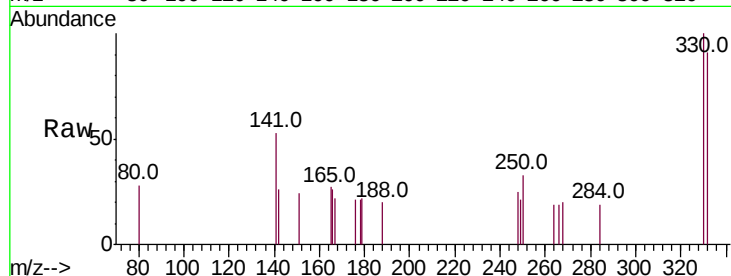




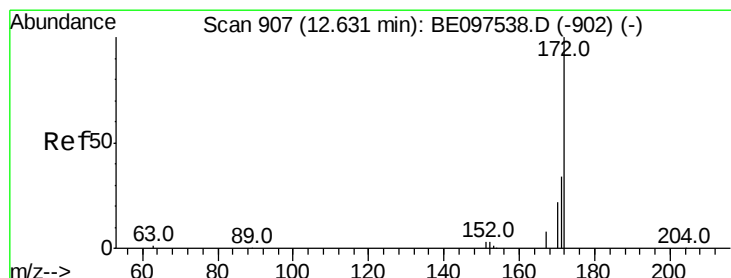
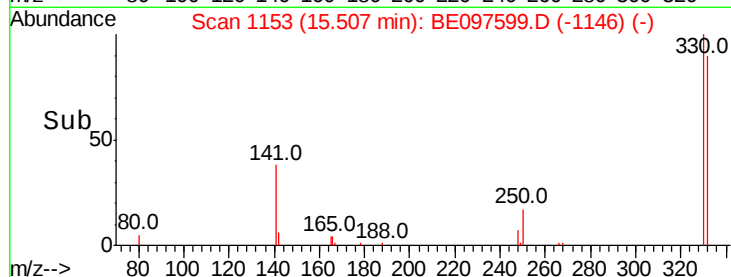
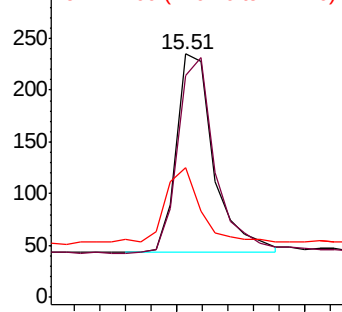
#14
 2,4,6-Tribromophenol
 Concen: 0.499 ng
 RT: 15.51 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BE097599.D
 Acq: 21 Sep 2018 7:23

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ459I-20180917

Tot Ion:330 Resp: 387
 Ion Ratio Lower Upper
 330 100
 332 99.0 152.7 229.1#
 141 33.3 33.7 50.5#

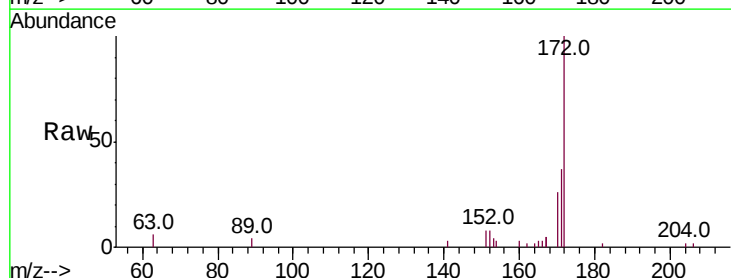


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

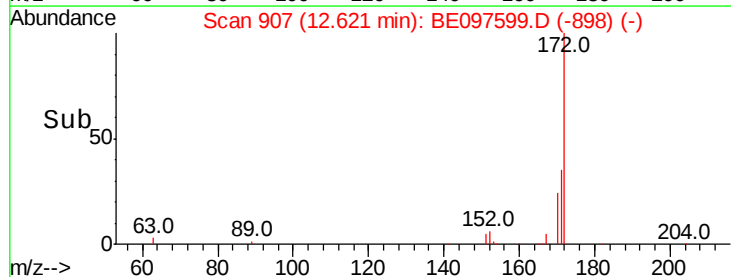
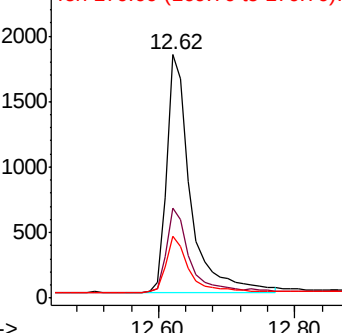


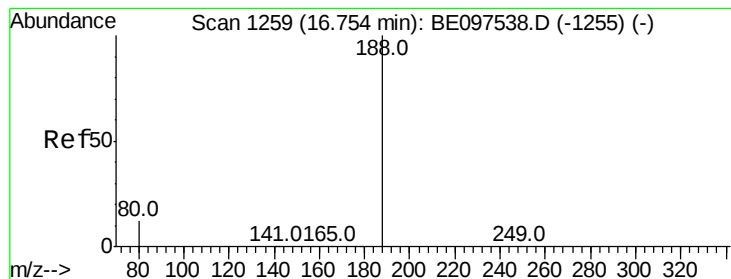
#15
 2-Fluorobiphenyl
 Concen: 0.645 ng
 RT: 12.62 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: BE097599.D
 Acq: 21 Sep 2018 7:23

Tgt Ion:172 Resp: 4422
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.9 44.9
 170 25.5 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: 16.75 min Scan# 1260

Delta R.T. -0.00 min

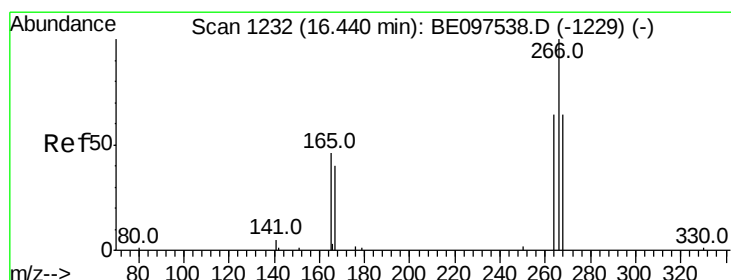
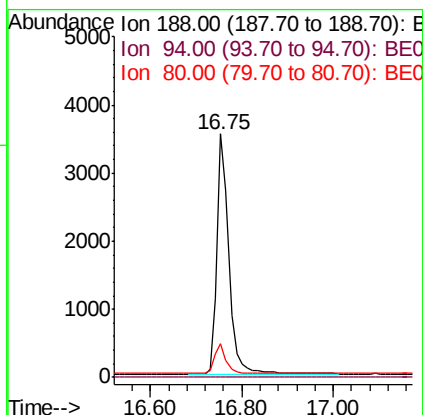
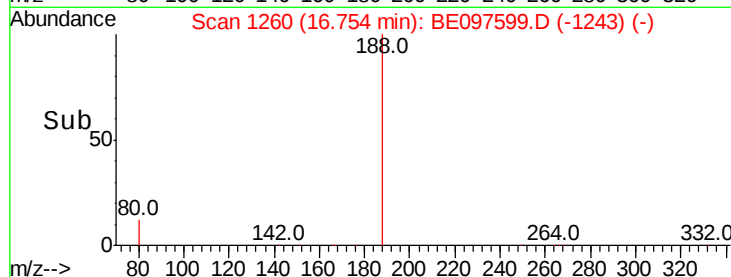
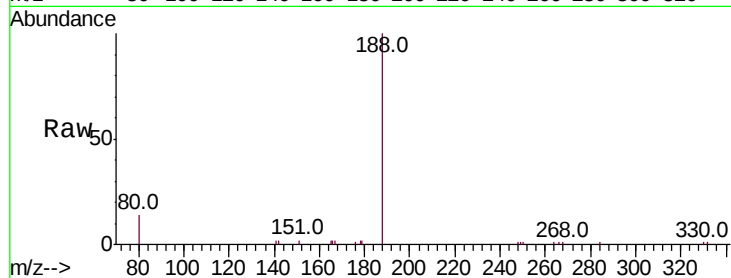
Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

Instrument :
BNA_E
ClientSampleId :
FT-PZ459I-20180917

Tot Ion:188 Resp: 6395

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	13.8	3.6	5.4#



#22

Pentachlorophenol

Concen: 0.134 ng

RT: 16.44 min Scan# 1233

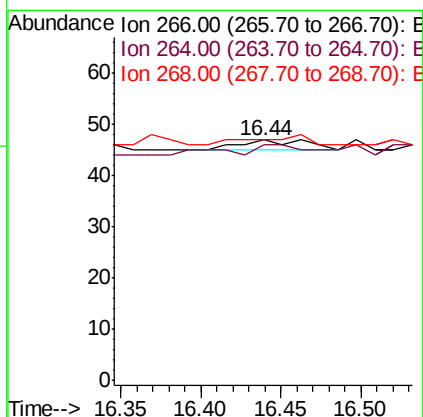
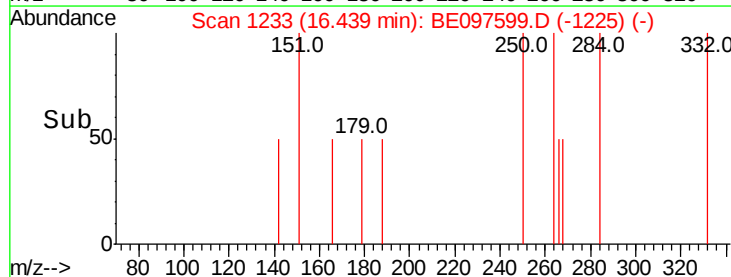
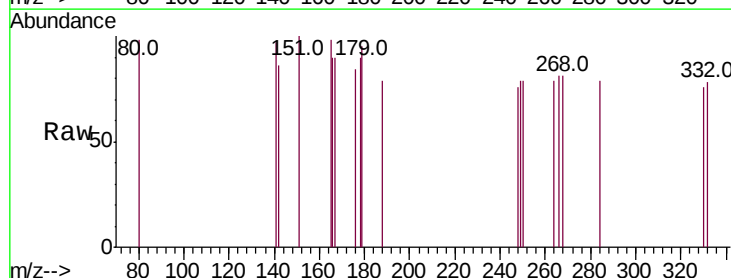
Delta R.T. -0.00 min

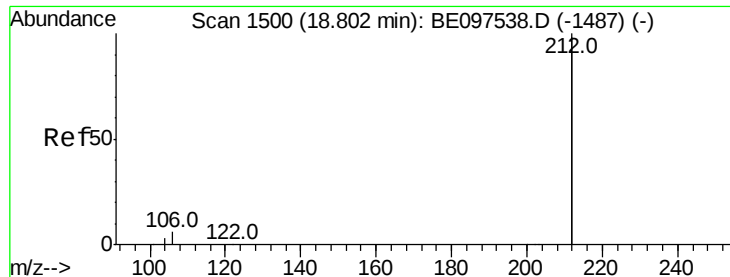
Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

Tgt Ion:266 Resp: 6

Ion	Ratio	Lower	Upper
266	100		
264	97.9	72.5	108.7
268	100.0	73.8	110.6





#25

Fluoranthene-d10

Concen: 0.440 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

Instrument :

BNA_E

ClientSampleId :

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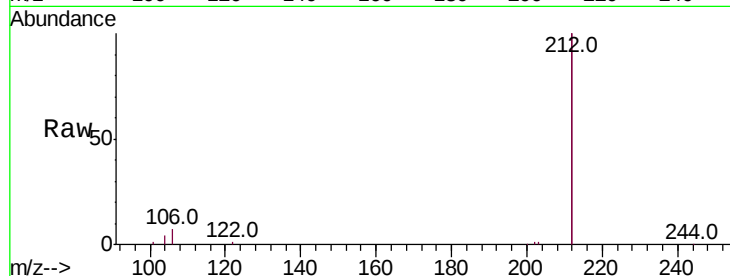
Tot Ion:212 Resp: 36053

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

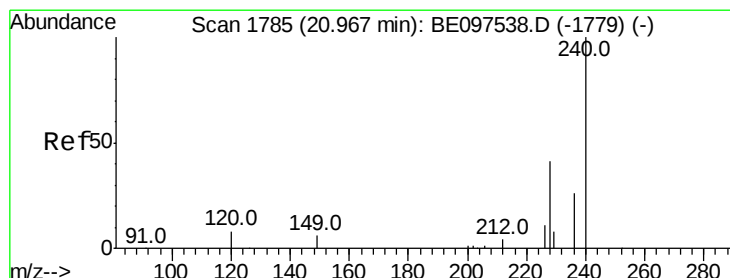
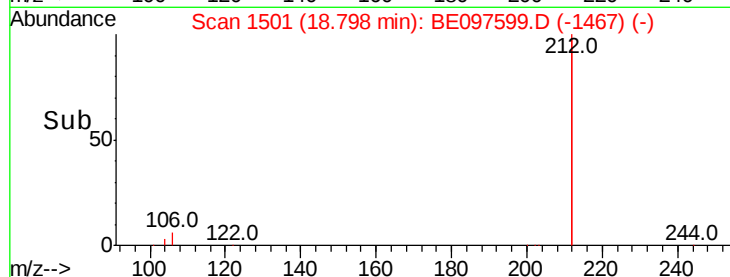
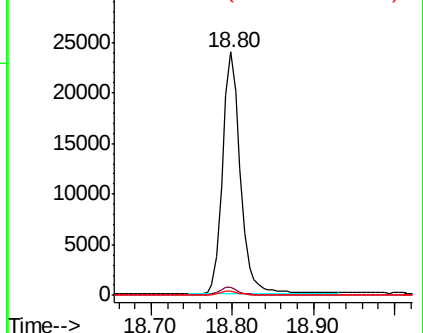
104 1.8 1.6 2.4



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: 20.97 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

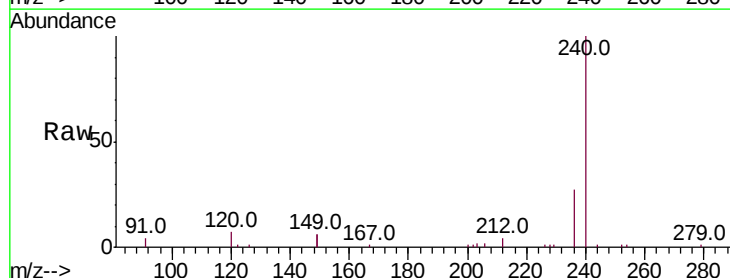
Tgt Ion:240 Resp: 8727

Ion Ratio Lower Upper

240 100

120 7.0 5.5 8.3

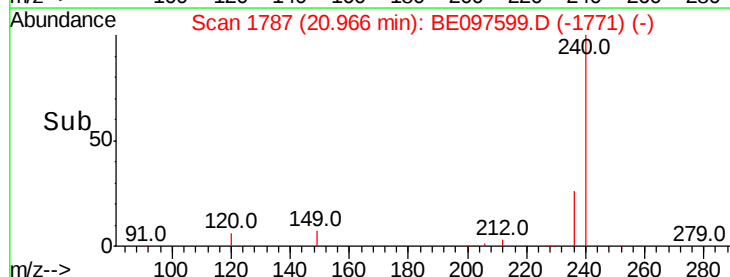
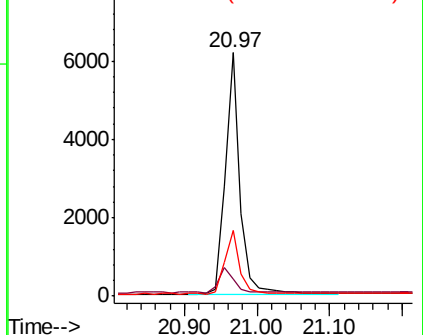
236 26.8 20.7 31.1

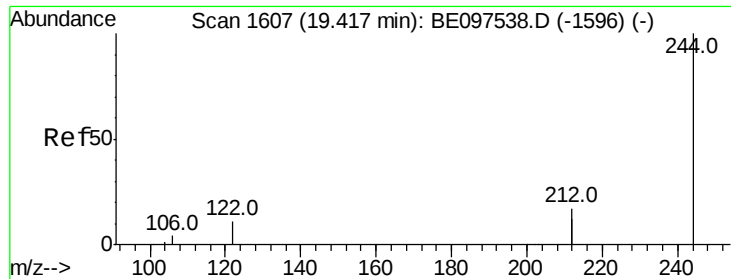


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.563 ng

RT: 19.41 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

Instrument :

BNA_E

ClientSampleId :

FT-PZ459I-20180917

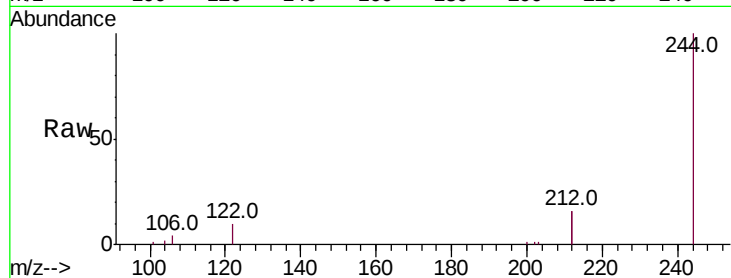
Tot Ion:244 Resp: 8985

Ion Ratio Lower Upper

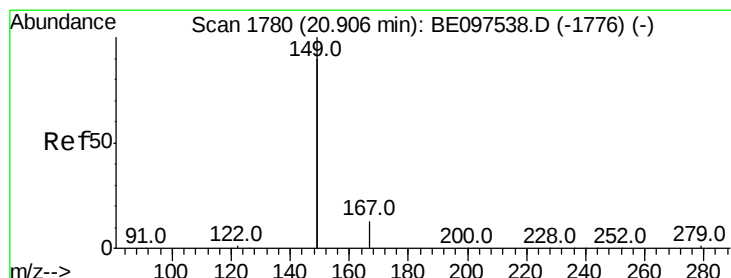
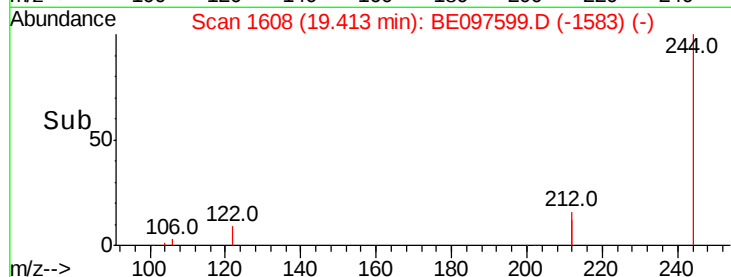
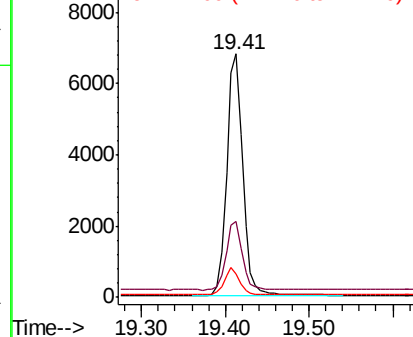
244 100

212 31.0 25.4 38.0

122 9.8 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: 0.146 ng

RT: 20.89 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BE097599.D

Acq: 21 Sep 2018 7:23

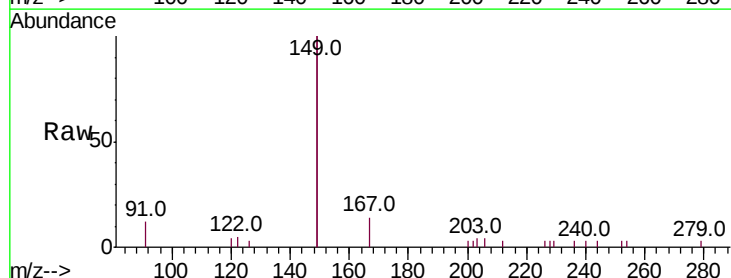
Tgt Ion:149 Resp: 5009

Ion Ratio Lower Upper

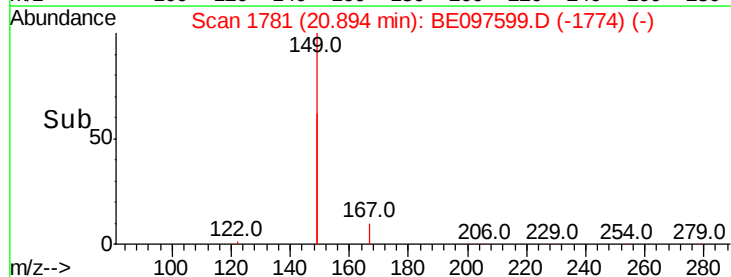
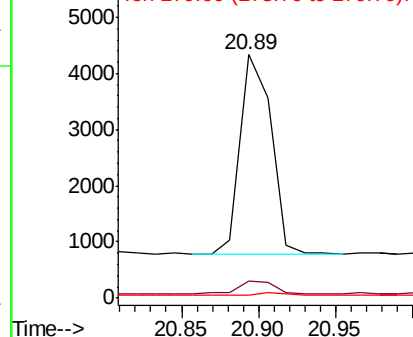
149 100

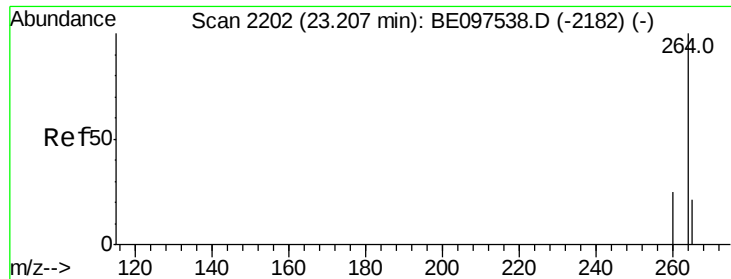
167 6.6 5.4 8.0

279 1.5 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

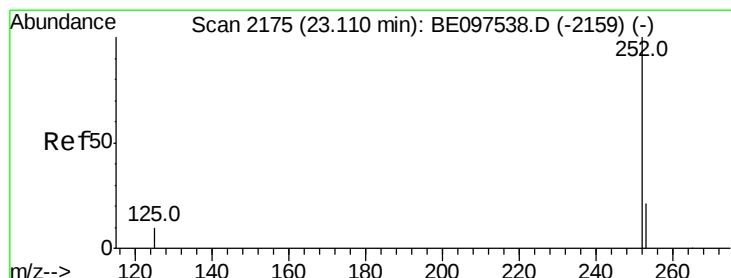
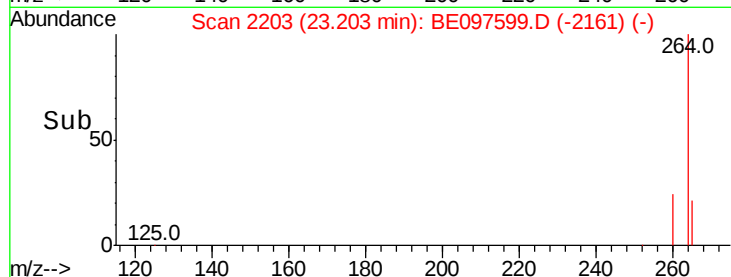
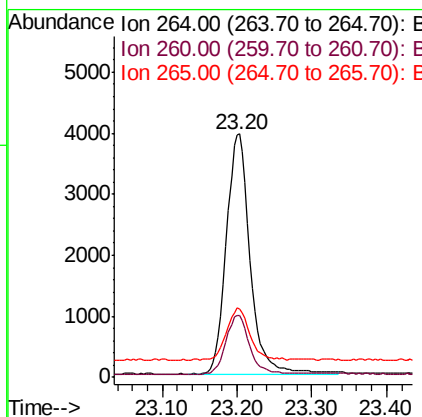
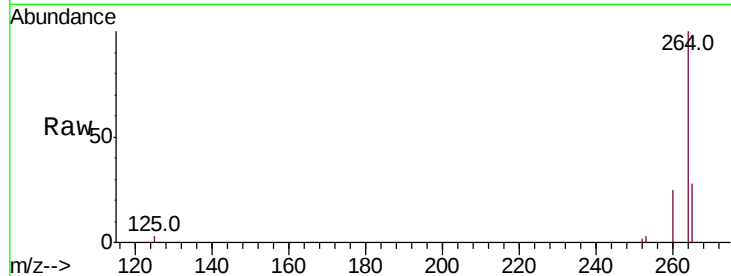




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.20 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: BE097599.D
 Acq: 21 Sep 2018 7:23

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ459I-20180917

Tot Ion:264 Resp: 8679
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.5 30.7
 265 28.2 22.8 34.2



#37
 Benzo(a)pyrene
 Concen: 0.021 ng
 RT: 23.10 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BE097599.D
 Acq: 21 Sep 2018 7:23

Tgt Ion:252 Resp: 9
 Ion Ratio Lower Upper
 252 100
 253 136.2 16.0 24.0#
 125 127.7 12.0 18.0#

