

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097639.D
 Acq On : 22 Sep 2018 8:42
 Operator : SJ/JU
 Sample : J4934-03DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ460I-20180912DL

Quant Time: Sep 24 02:30:14 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	7.39	152	632	0.40	ng	0.01
7) Naphthalene-d8	10.16	136	3170	0.40	ng	0.03
13) Acenaphthene-d10	14.01	164	2415	0.40	ng	0.01
19) Phenanthrene-d10	16.77	188	8002	0.40	ng	0.01
27) Chrysene-d12	20.98	240	8219	0.40	ng	0.01
34) Perylene-d12	23.21	264	7835	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	116	0.06	ng	0.01
5) Phenol-d6	6.60	99	3	0.00	ng	0.00
8) Nitrobenzene-d5	8.49	82	12	0.00	ng	-0.04
11) 2-Methylnaphthalene-d10	11.79	152	523	0.12	ng	0.08
14) 2,4,6-Tribromophenol	15.53	330	119	0.20	ng	0.01
15) 2-Fluorobiphenyl	12.67	172	1129	0.13	ng	0.05
25) Fluoranthene-d10	18.81	212	10293	0.10	ng	0.00
29) Terphenyl-d14	19.42	244	2329	0.15	ng	0.00

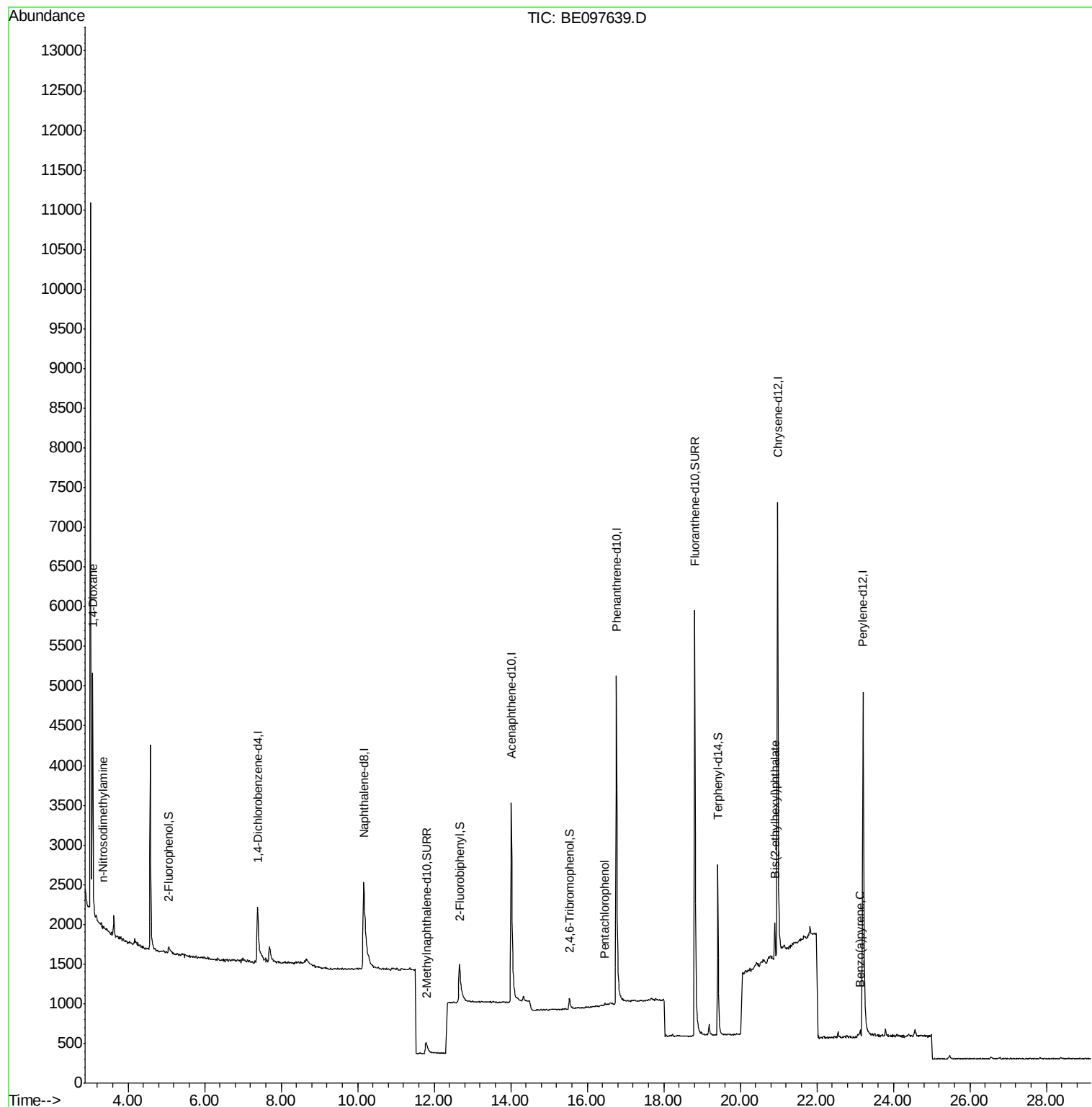
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.07	88	1728	1.741	ng	# 89
3) n-Nitrosodimethylamine	3.35	42	10	0.027	ng	# 1
22) Pentachlorophenol	16.46	266	22	0.142	ng	98
32) Bis(2-ethylhexyl)phthalate	20.91	149	716	0.031	ng	# 98
37) Benzo(a)pyrene	23.12	252	3	0.021	ng	# 1

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

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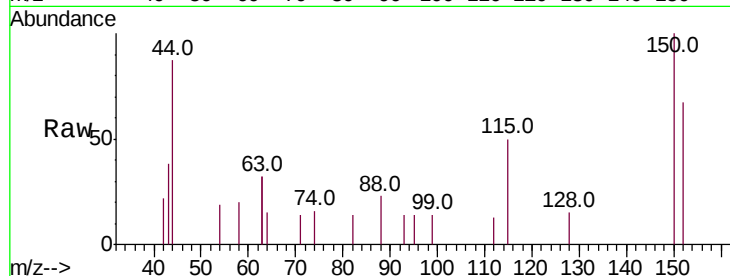


#1

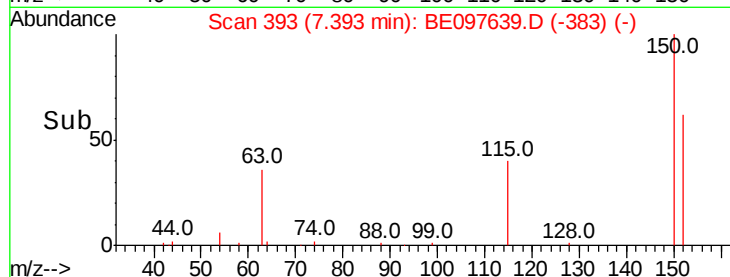
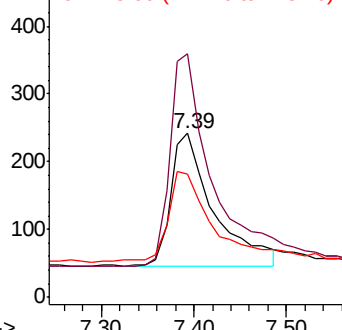
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.01 min
Lab File: BE097639.D
Acq: 22 Sep 2018 8:42

Instrument :
BNA_E
ClientSampleId :
FT-PZ460I-20180912DL

Tot Ion:152 Resp: 632
Ion Ratio Lower Upper
152 100
150 148.3 117.2 175.8
115 74.8 57.0 85.6



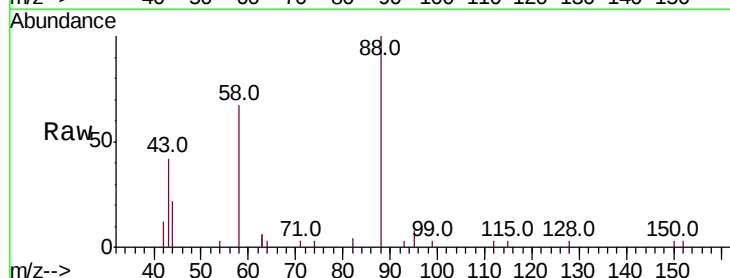
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



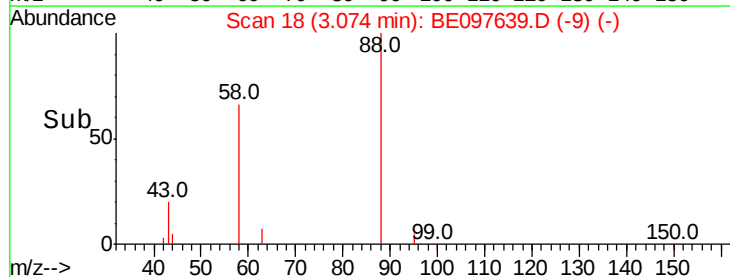
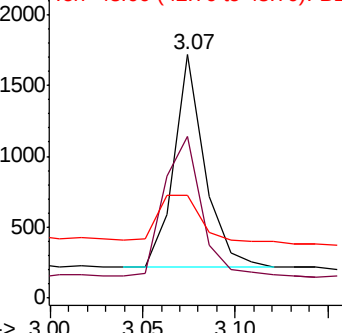
#2

1,4-Dioxane
Concen: 1.741 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.00 min
Lab File: BE097639.D
Acq: 22 Sep 2018 8:42

Tgt Ion: 88 Resp: 1728
Ion Ratio Lower Upper
88 100
58 81.7 63.2 94.8
43 34.8 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





#3

n-Nitrosodimethylamine

Concen: 0.027 ng

RT: 3.35 min Scan# 42

Delta R.T. -0.02 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

Instrument :

BNA_E

ClientSampleId :

FT-PZ460I-20180912DL

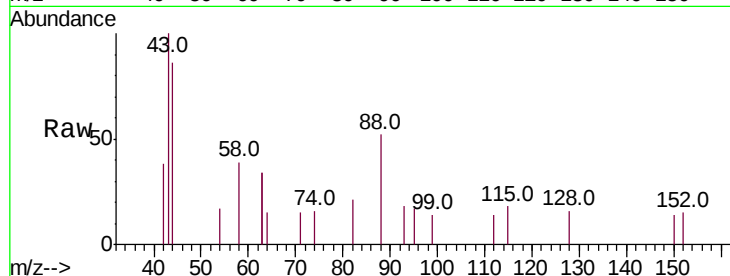
Tot Ion: 42 Resp: 10

Ion Ratio Lower Upper

42 100

74 100.0 96.0 144.0

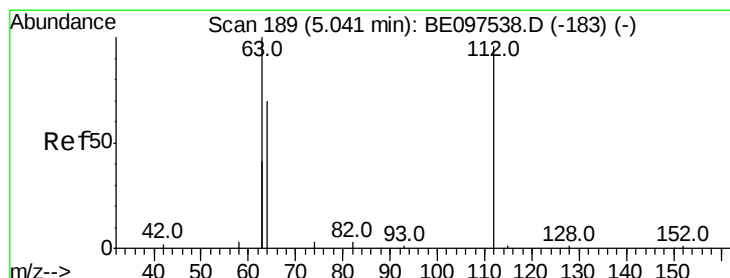
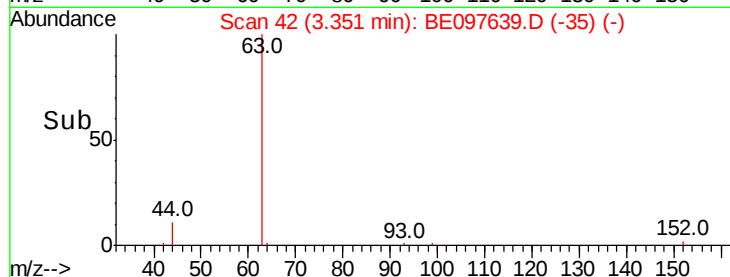
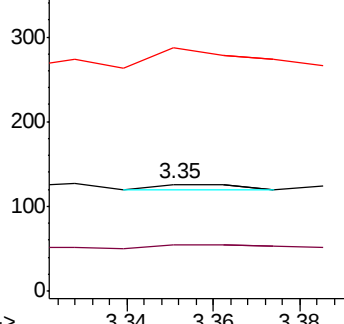
44 370.0 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.061 ng

RT: 5.07 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

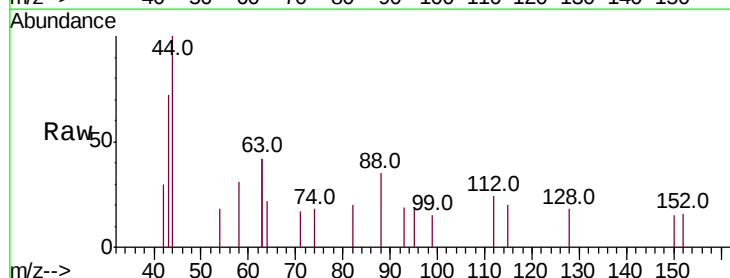
Tgt Ion: 112 Resp: 116

Ion Ratio Lower Upper

112 100

64 47.4 60.1 90.1#

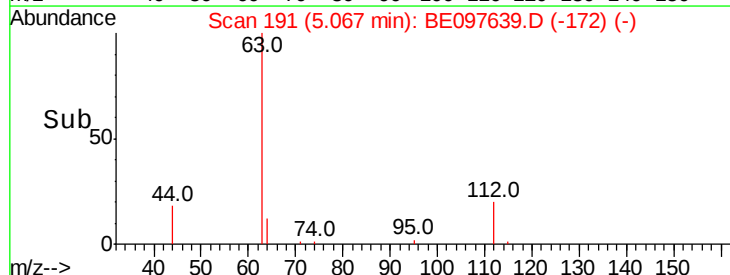
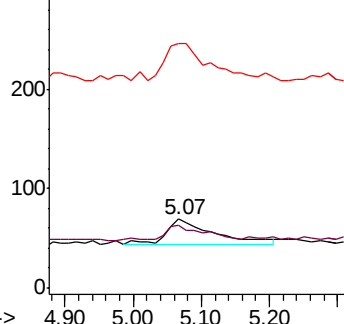
63 162.1 116.8 175.2

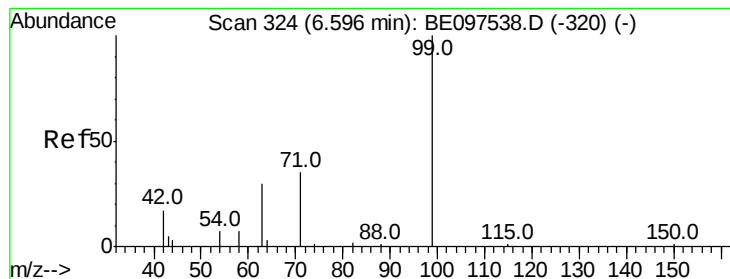


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.001 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.01 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

Instrument :

BNA_E

ClientSampleId :

FT-PZ460I-20180912DL

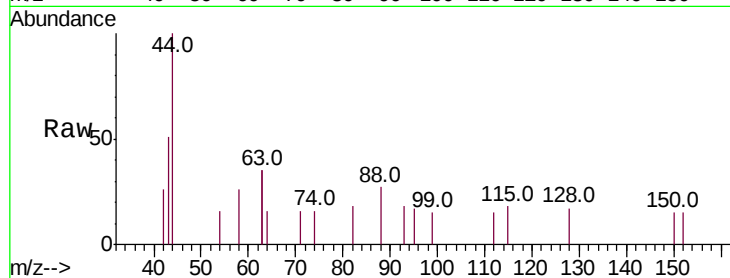
Tot Ion: 99 Resp: 3

Ion Ratio Lower Upper

99 100

42 266.7 20.2 30.2#

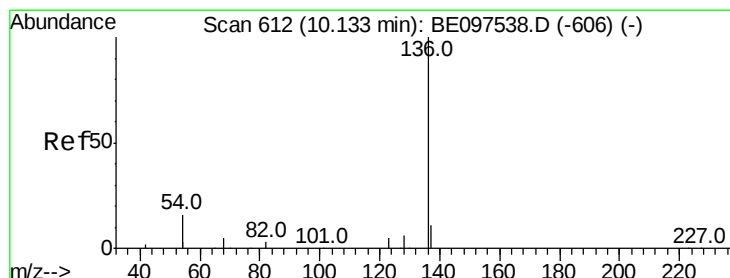
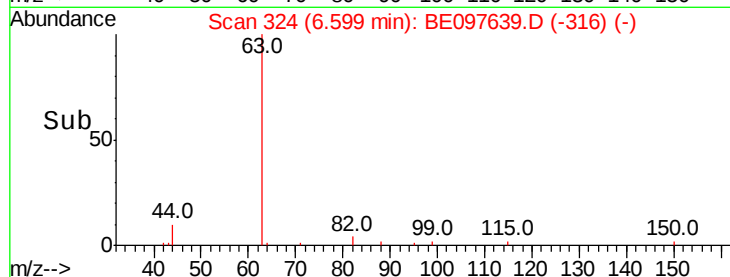
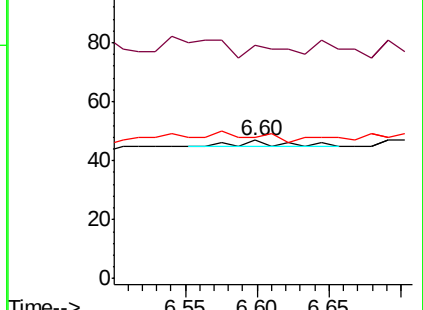
71 0.0 28.4 42.6#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. 0.03 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

Tgt Ion: 136 Resp: 3170

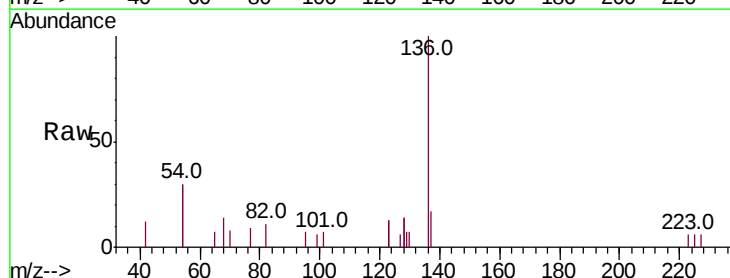
Ion Ratio Lower Upper

136 100

137 16.6 9.5 14.3#

54 60.0 29.1 43.7#

68 13.8 6.2 9.2#

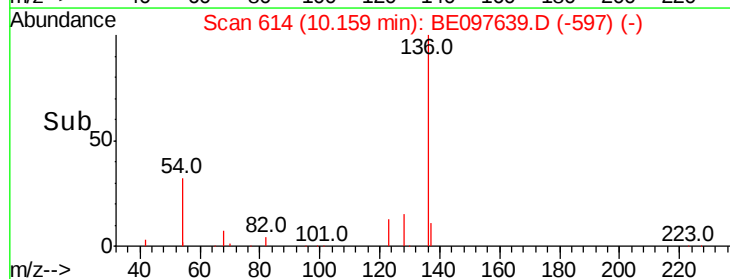
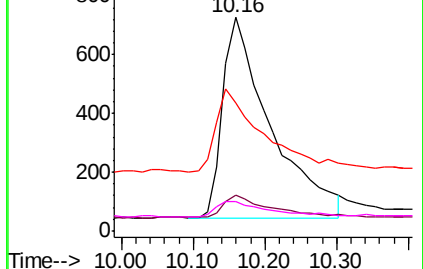


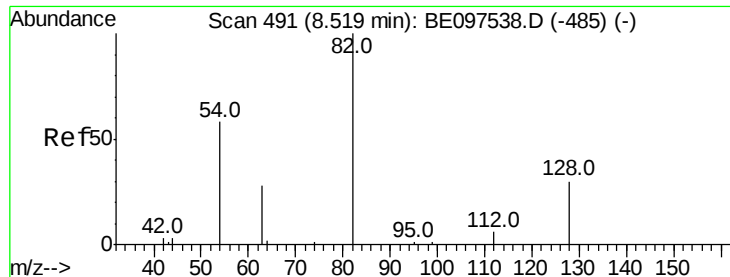
Abundance Ion 136.00 (135.70 to 136.70): E

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

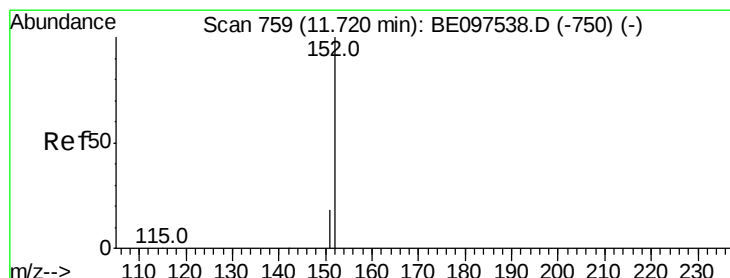
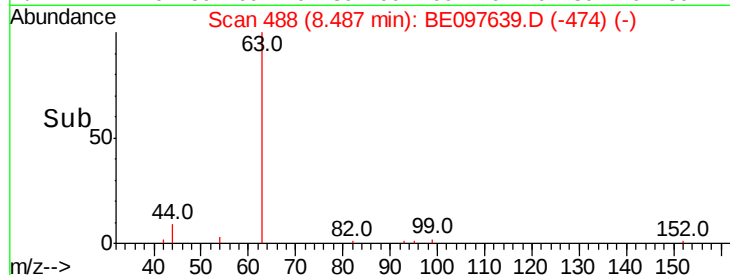
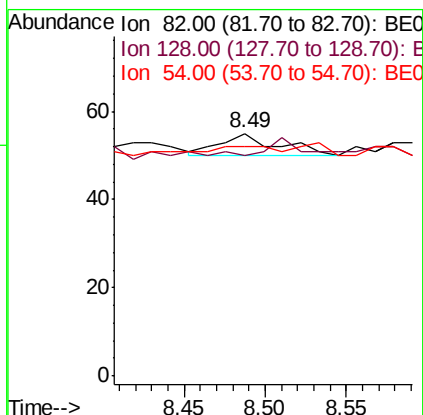
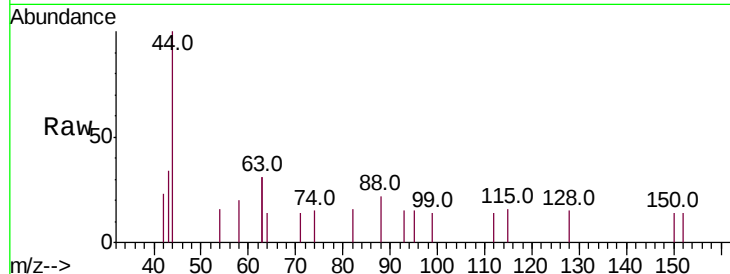




#8
 Nitrobenzene-d5
 Concen: 0.005 ng
 RT: 8.49 min Scan# 488
 Delta R.T. -0.04 min
 Lab File: BE097639.D
 Acq: 22 Sep 2018 8:42

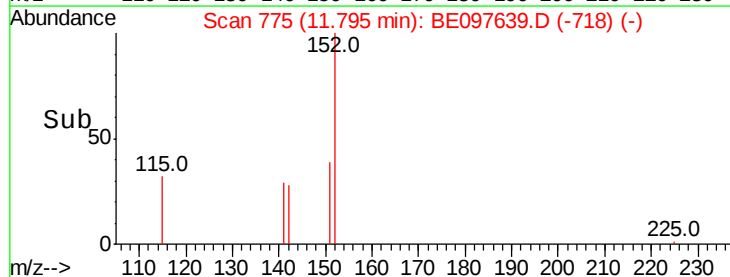
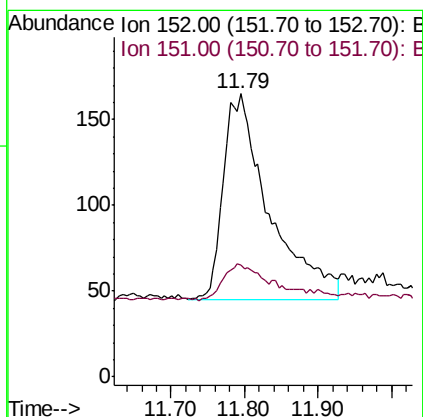
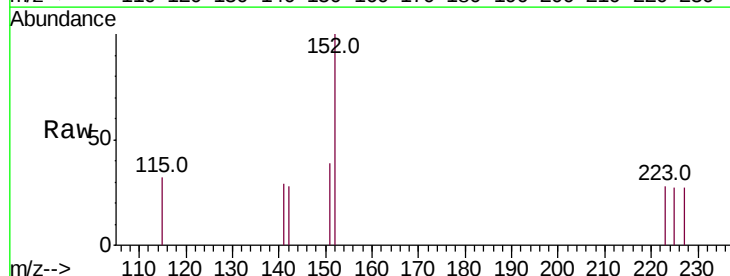
Instrument :
 BNA_E
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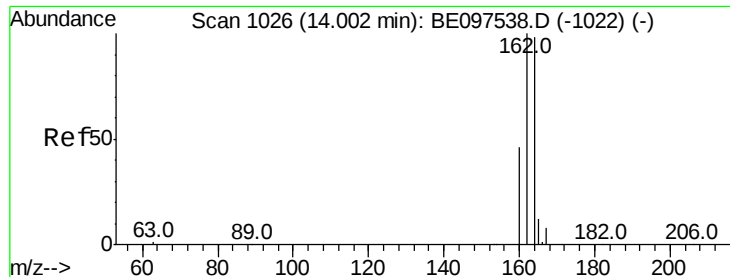
Tot Ion	Ratio	Lower	Upper
82	100		
128	90.9	24.0	36.0#
54	94.5	40.0	60.0#



#11
 2-Methylnaphthalene-d10
 Concen: 0.120 ng
 RT: 11.79 min Scan# 775
 Delta R.T. 0.08 min
 Lab File: BE097639.D
 Acq: 22 Sep 2018 8:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	14.3	15.4	23.0#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

Instrument :

BNA_E

ClientSampleId :

FT-PZ460I-20180912DL

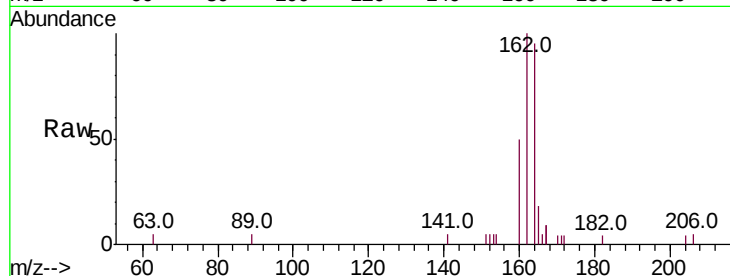
Tot Ion:164 Resp: 2415

Ion Ratio Lower Upper

164 100

162 105.3 83.1 124.7

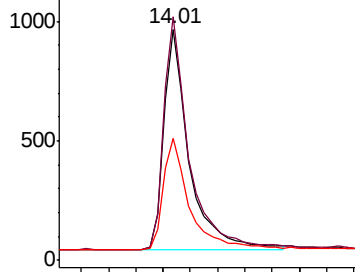
160 52.5 37.1 55.7



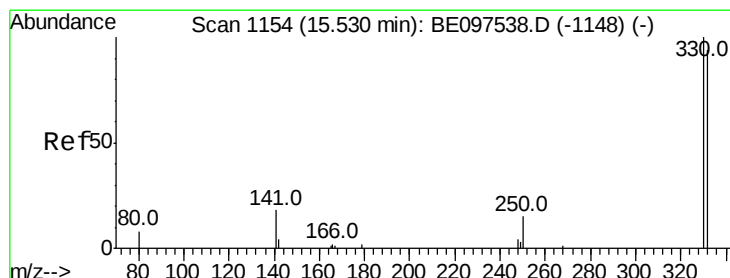
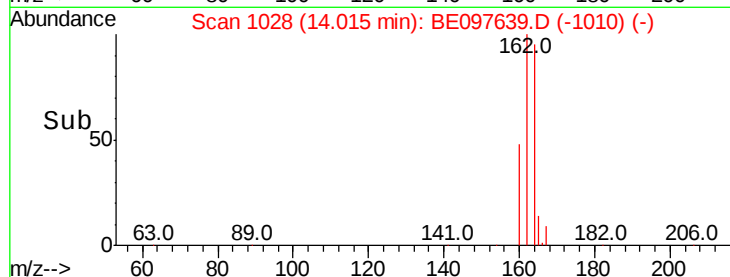
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#14

2,4,6-Tribromophenol

Concen: 0.201 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

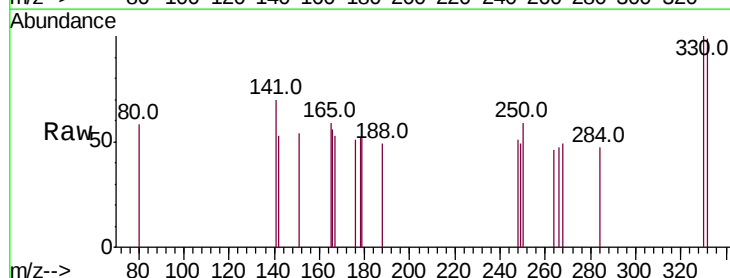
Tgt Ion:330 Resp: 119

Ion Ratio Lower Upper

330 100

332 98.3 152.7 229.1#

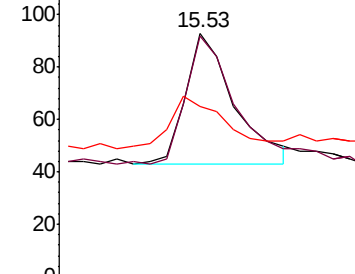
141 43.7 33.7 50.5



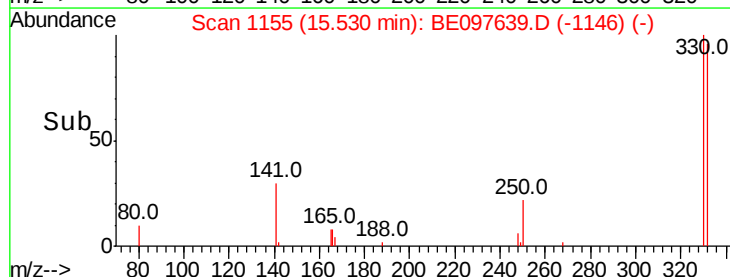
Abundance Ion 330.00 (329.70 to 330.70): E

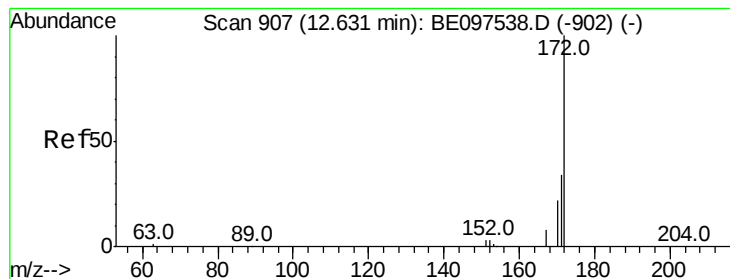
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#15

2-Fluorobiphenyl

Concen: 0.132 ng

RT: 12.67 min Scan# 911

Delta R.T. 0.05 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

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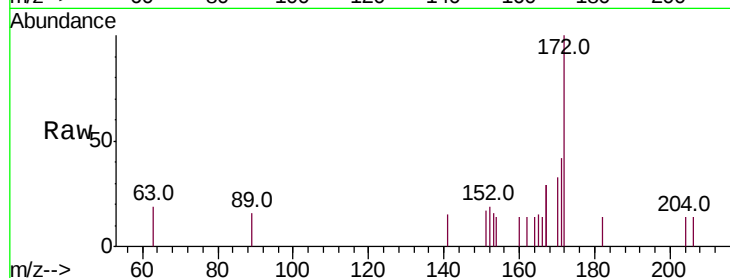
Tot Ion:172 Resp: 1129

Ion Ratio Lower Upper

172 100

171 42.4 29.9 44.9

170 33.3 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

12.67

300

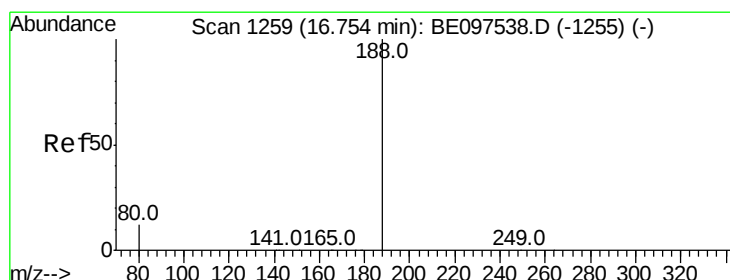
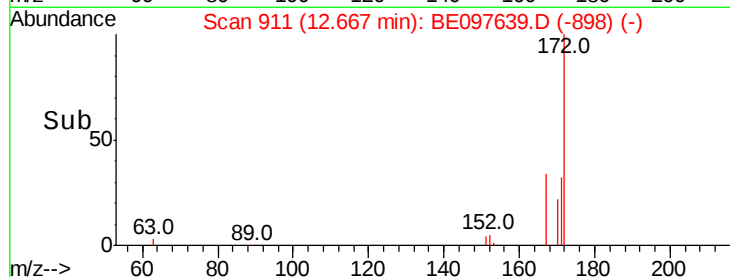
200

100

0

12.60 12.70 12.80

Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

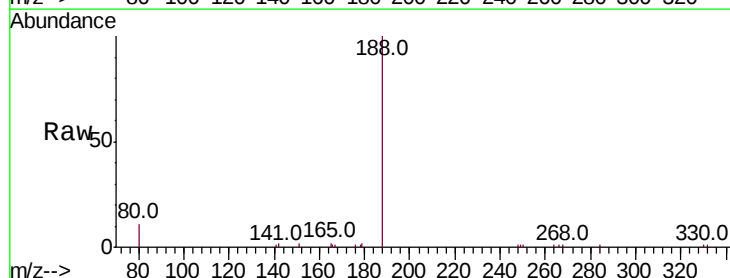
Tgt Ion:188 Resp: 8002

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 11.2 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

16.77

5000

4000

3000

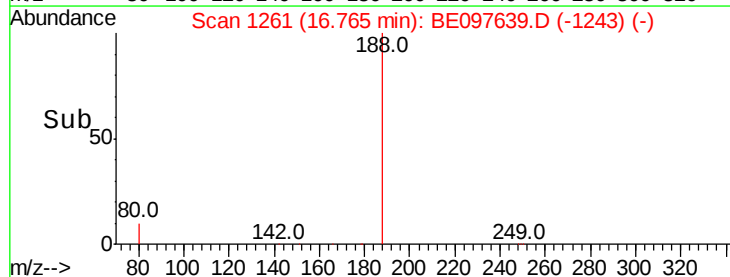
2000

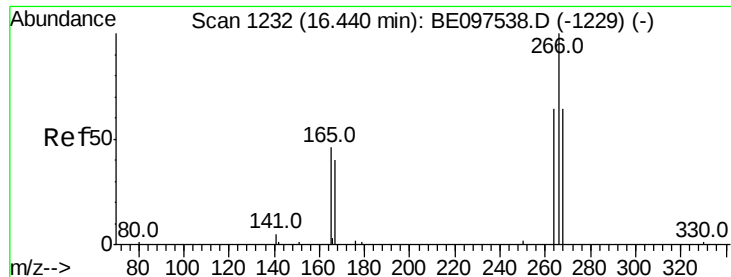
1000

0

16.60 16.80 17.00

Time-->

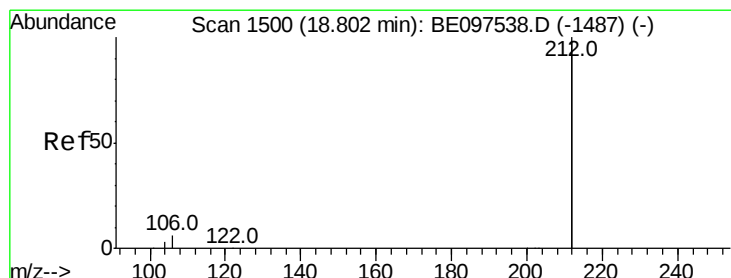
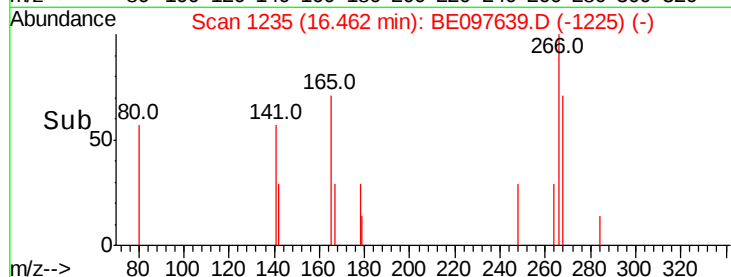
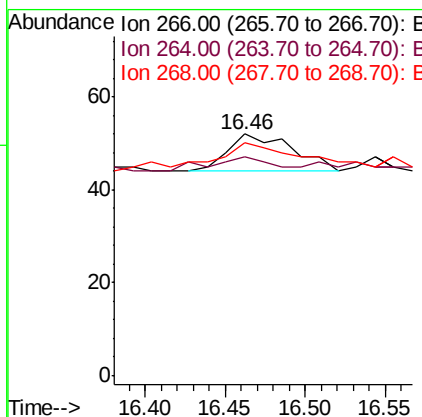
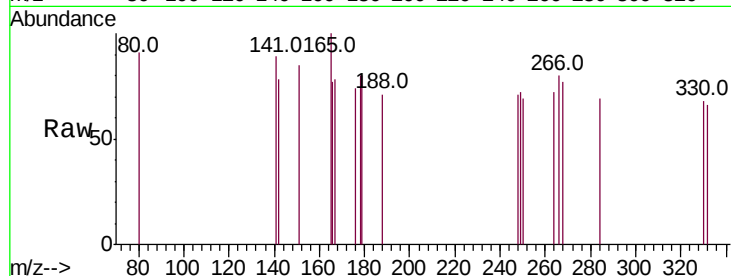




#22
 Pentachlorophenol
 Concen: 0.142 ng
 RT: 16.46 min Scan# 1235
 Delta R.T. 0.02 min
 Lab File: BE097639.D
 Acq: 22 Sep 2018 8:42

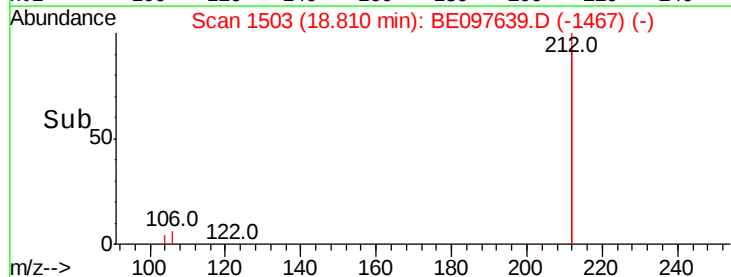
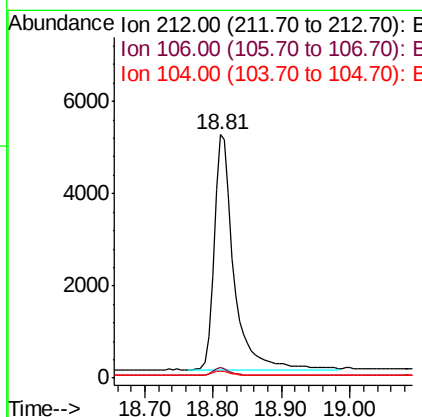
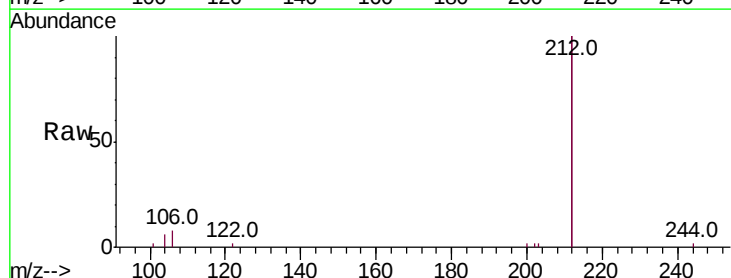
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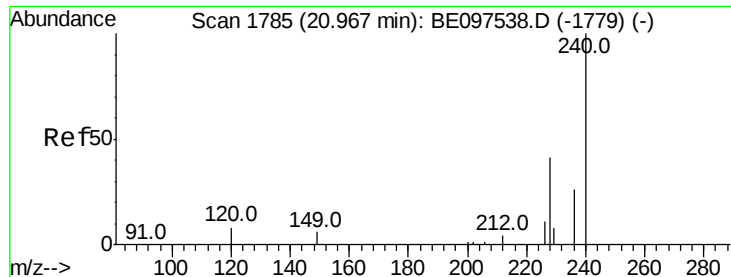
Tot Ion:266 Resp: 22
 Ion Ratio Lower Upper
 266 100
 264 90.4 72.5 108.7
 268 96.2 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.100 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. 0.01 min
 Lab File: BE097639.D
 Acq: 22 Sep 2018 8:42

Tgt Ion:212 Resp: 10293
 Ion Ratio Lower Upper
 212 100
 106 3.0 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. 0.01 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

Instrument :

BNA_E

ClientSampleId :

FT-PZ460I-20180912DL

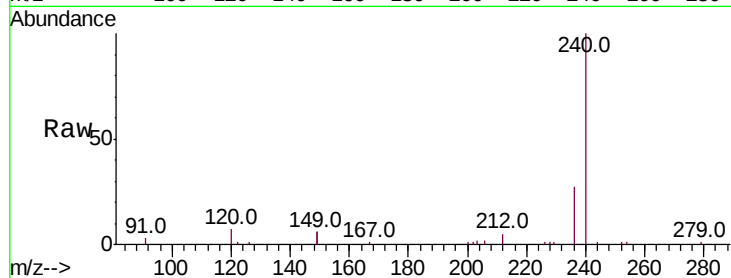
Tot Ion:240 Resp: 8219

Ion Ratio Lower Upper

240 100

120 7.1 5.5 8.3

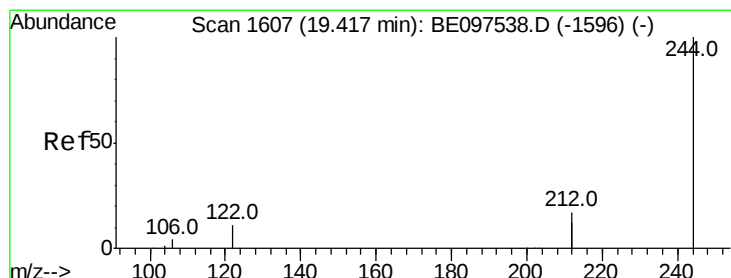
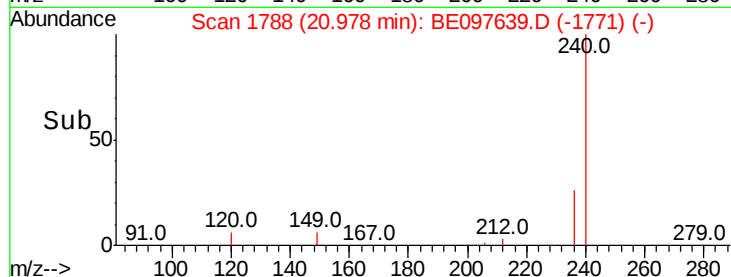
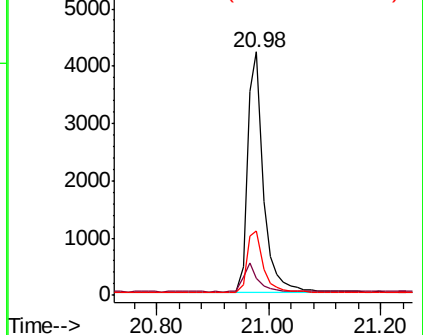
236 26.6 20.7 31.1



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: 0.155 ng

RT: 19.42 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

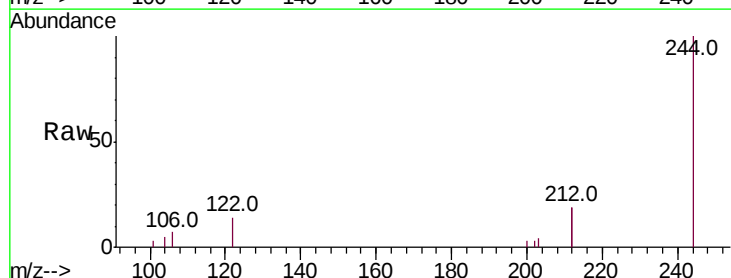
Tgt Ion:244 Resp: 2329

Ion Ratio Lower Upper

244 100

212 38.6 25.4 38.0#

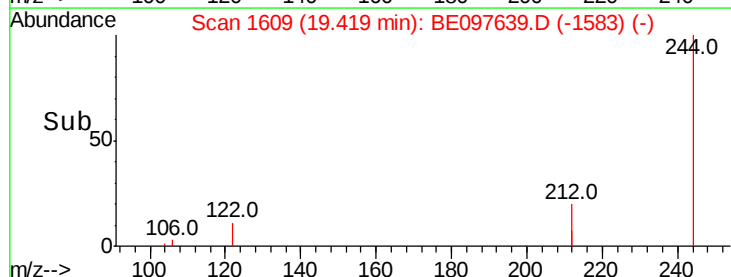
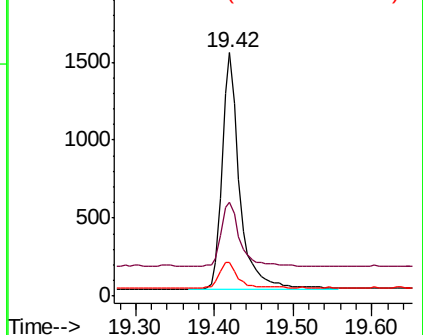
122 13.6 8.1 12.1#

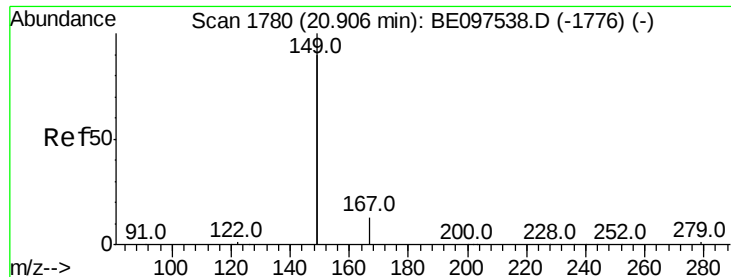


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.031 ng

RT: 20.91 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

Instrument :

BNA_E

ClientSampleId :

FT-PZ460I-20180912DL

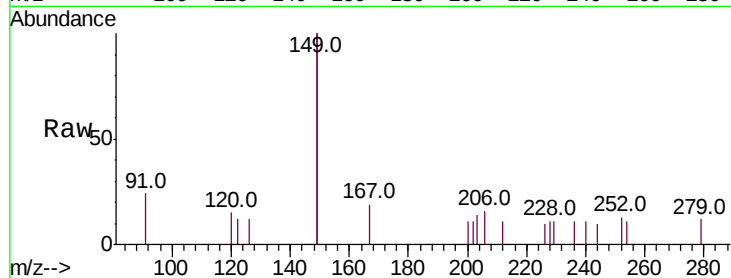
Tot Ion:149 Resp: 716

Ion Ratio Lower Upper

149 100

167 7.3 5.4 8.0

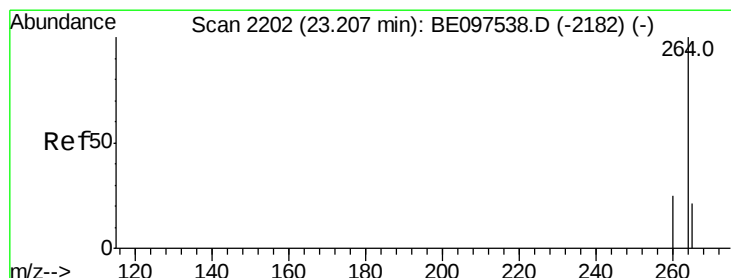
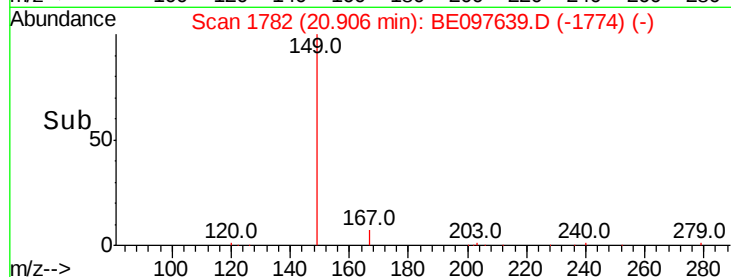
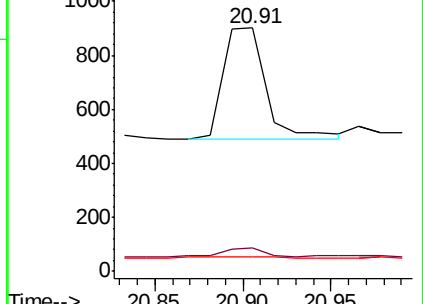
279 1.7 0.7 1.1#



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. 0.01 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

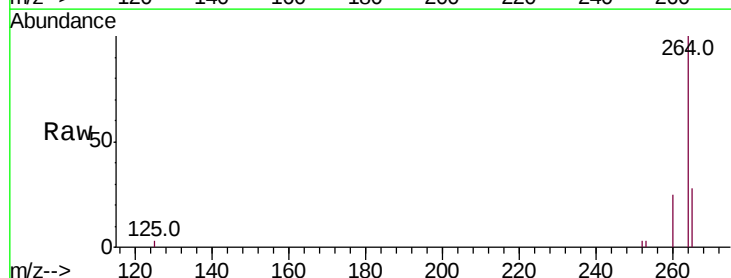
Tgt Ion:264 Resp: 7835

Ion Ratio Lower Upper

264 100

260 24.8 20.5 30.7

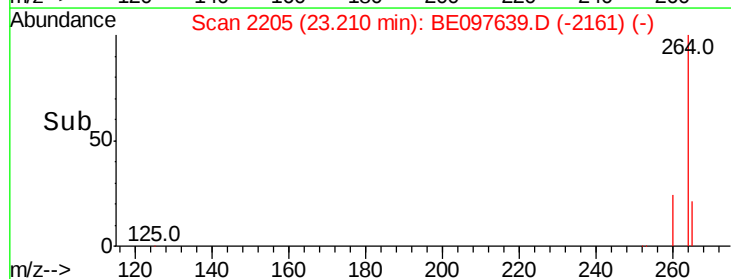
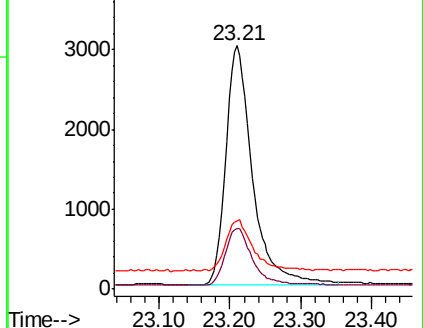
265 28.0 22.8 34.2

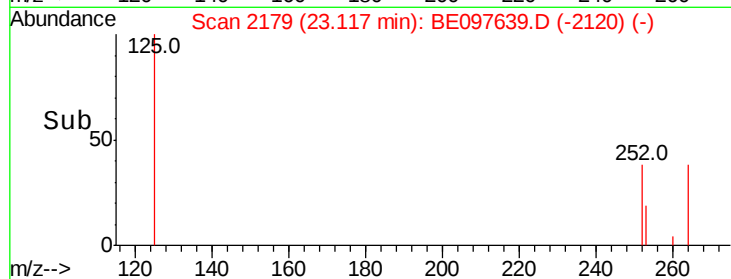
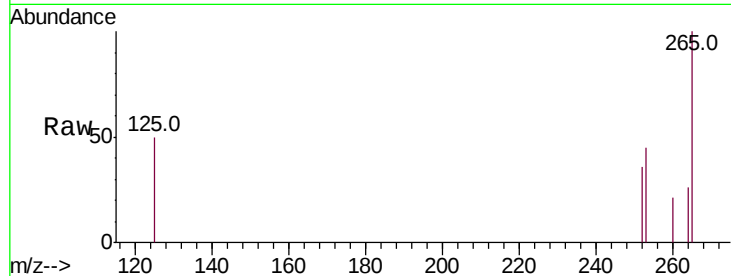
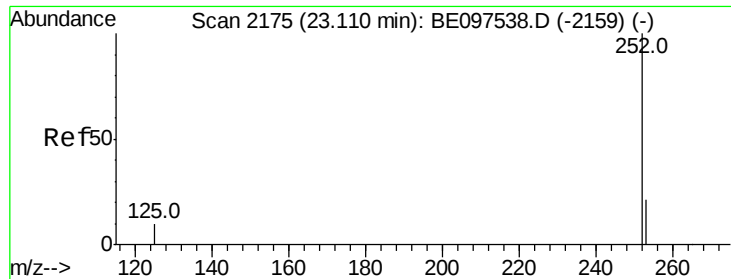


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#37

Benzo(a)pyrene

Concen: 0.021 ng

RT: 23.12 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

Instrument :

BNA_E

ClientSampleId :

FT-PZ460I-20180912DL

Tot Ion:	252	Resp:	3
Ion	Ratio	Lower	Upper
252	100		
253	125.3	16.0	24.0#
125	138.0	12.0	18.0#

