

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE081018\
 Data File : BE097269.D
 Acq On : 10 Aug 2018 19:30
 Operator : SJ/JU
 Sample : J4379-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 10 23:07:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 10:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1019	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5353	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3246	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	7889	0.40	ng	0.00
27) Chrysene-d12	20.98	240	8316	0.40	ng	0.00
34) Perylene-d12	23.22	264	8073	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	492	0.17	ng	0.01
5) Phenol-d6	6.61	99	451	0.11	ng	0.01
8) Nitrobenzene-d5	8.52	82	2013	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3205	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	482	0.45	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5365	0.48	ng	0.00
25) Fluoranthene-d10	18.81	212	35535	0.45	ng	0.00
29) Terphenyl-d14	19.42	244	6928	0.43	ng	0.00

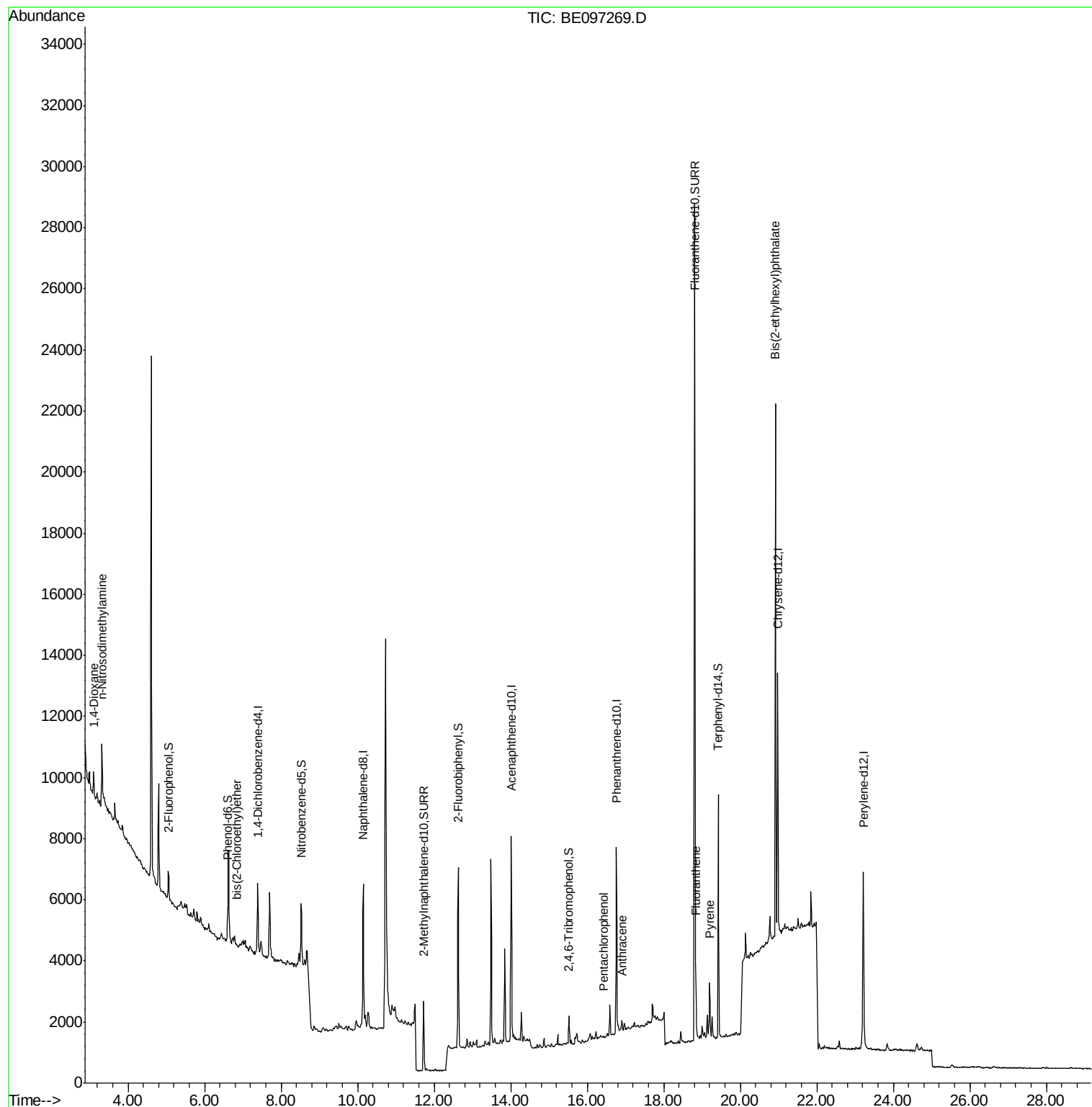
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	479	0.296	ng	# 91
3) n-Nitrosodimethylamine	3.31	42	390	0.215	ng	# 1
6) bis(2-Chloroethyl)ether	6.84	93	119	0.031	ng	# 1
22) Pentachlorophenol	16.43	266	27	0.062	ng	98
24) Anthracene	16.90	178	417	0.025	ng	# 72
26) Fluoranthene	18.84	202	1673	0.079	ng	97
28) Pyrene	19.20	202	1614	0.071	ng	# 90
32) Bis(2-ethylhexyl)phthalate	20.92	149	18904	0.816	ng	# 100

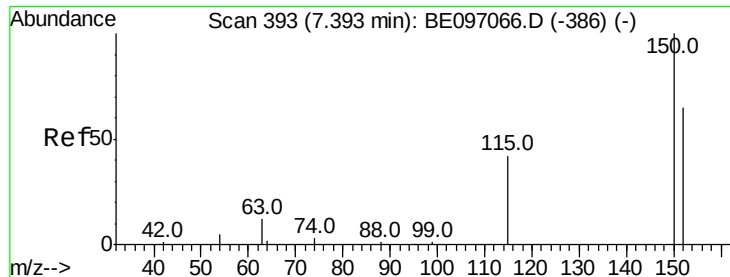
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE097269.D

Acq: 10 Aug 2018 19:30

Instrument :

BNA_E

ClientSampled :

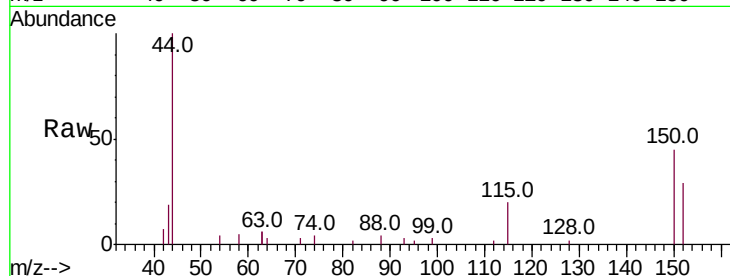
Tot Ion:152 Resp: 1019

Ion Ratio Lower Upper

152 100

150 154.9 117.2 175.8

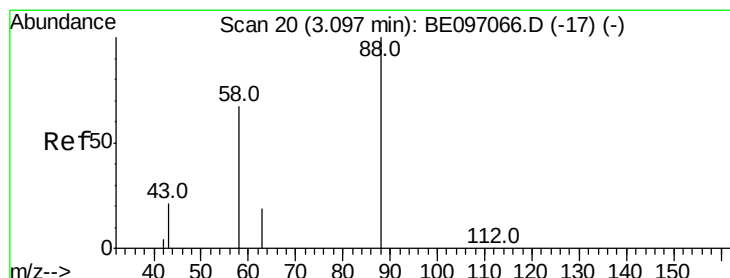
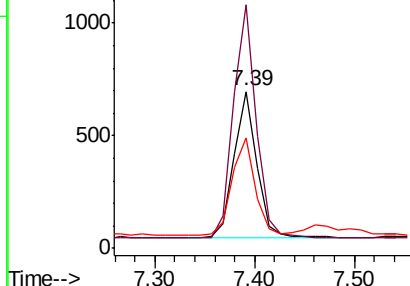
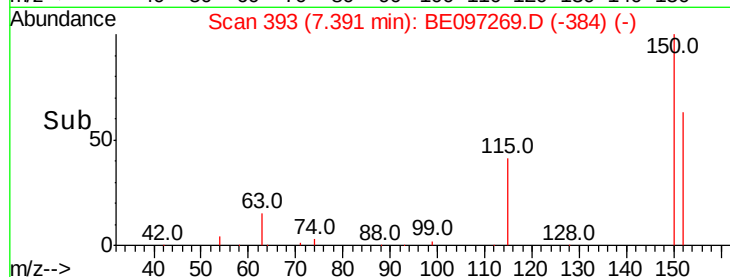
115 70.2 57.0 85.6



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: 0.296 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

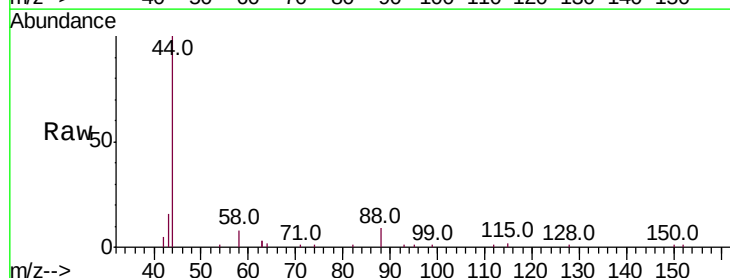
Tgt Ion: 88 Resp: 479

Ion Ratio Lower Upper

88 100

58 78.1 63.2 94.8

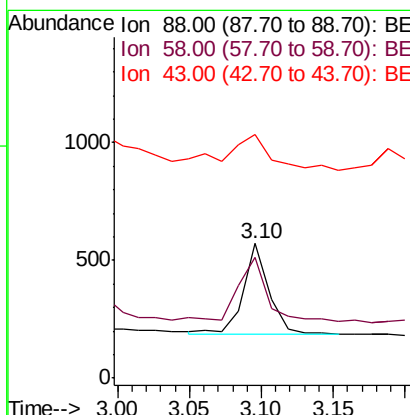
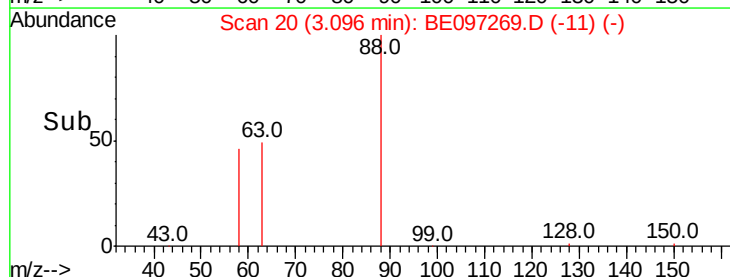
43 65.6 41.2 61.8#

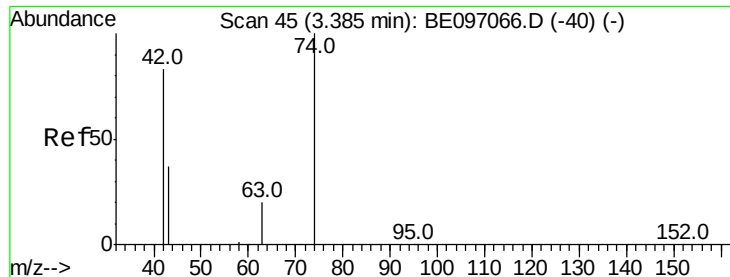


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.215 ng

RT: 3.31 min Scan# 39

Delta R.T. -0.07 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

Instrument :

BNA_E

ClientSampleId :

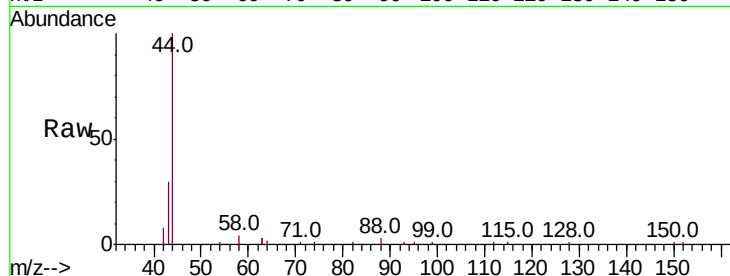
Tot Ion: 42 Resp: 390

Ion Ratio Lower Upper

42 100

74 2.1 96.0 144.0#

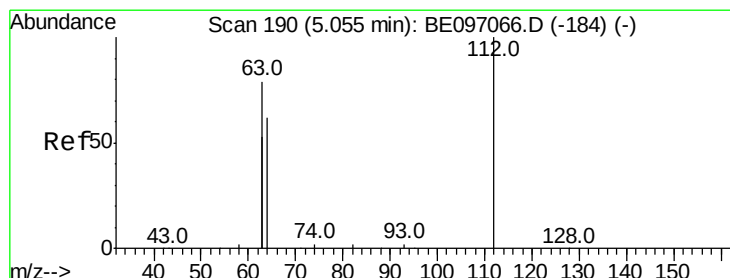
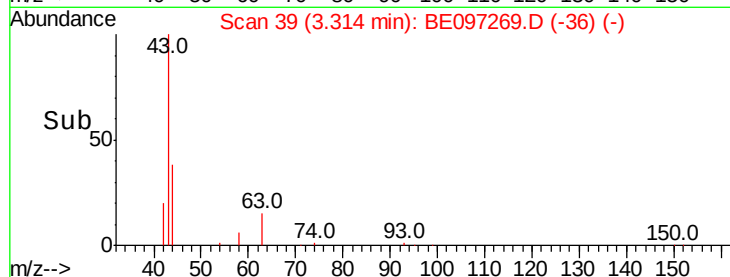
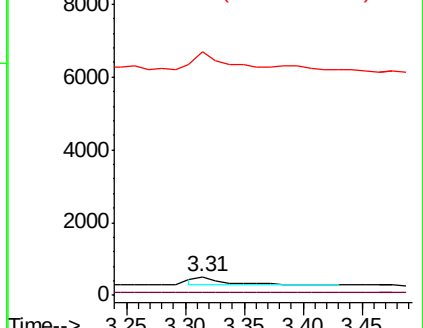
44 118.2 12.0 18.0#



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: 0.172 ng

RT: 5.07 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

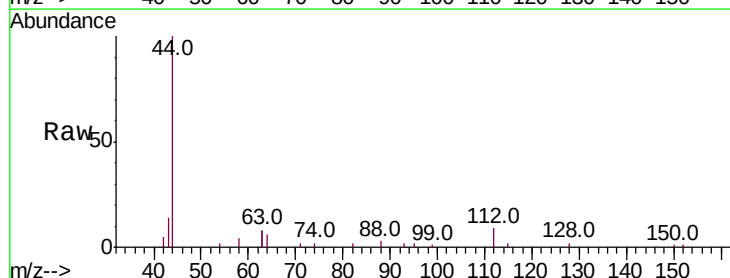
Tgt Ion: 112 Resp: 492

Ion Ratio Lower Upper

112 100

64 68.1 60.1 90.1

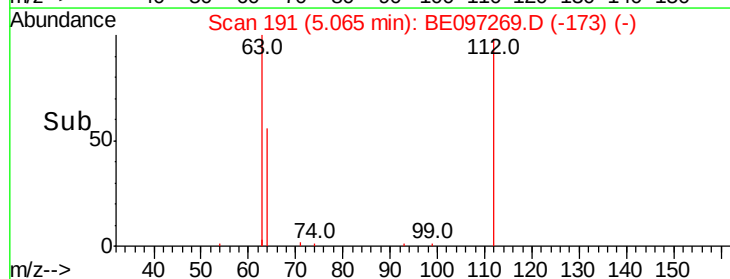
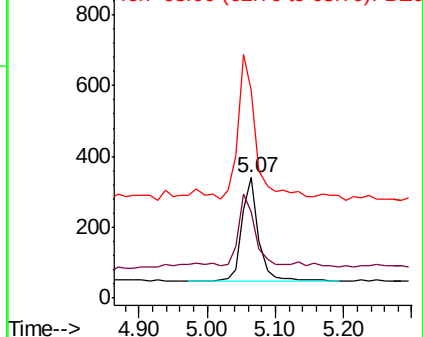
63 159.8 116.8 175.2

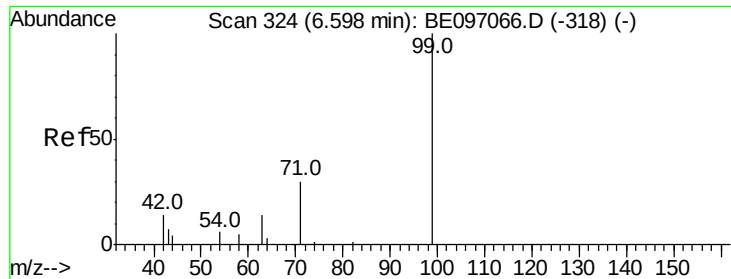


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.107 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097269.D

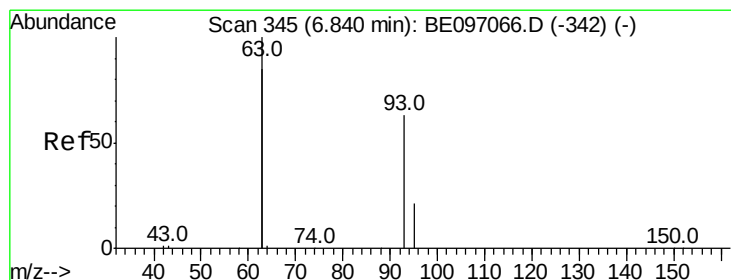
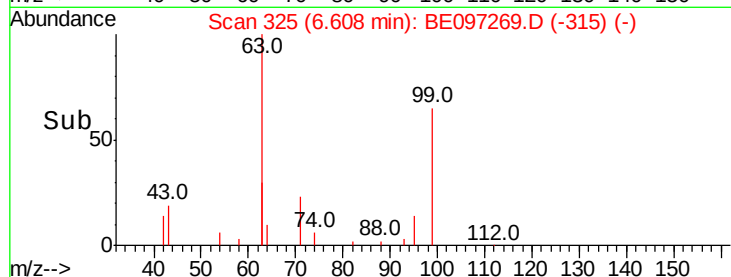
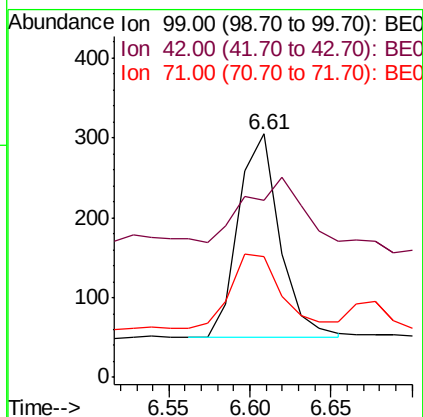
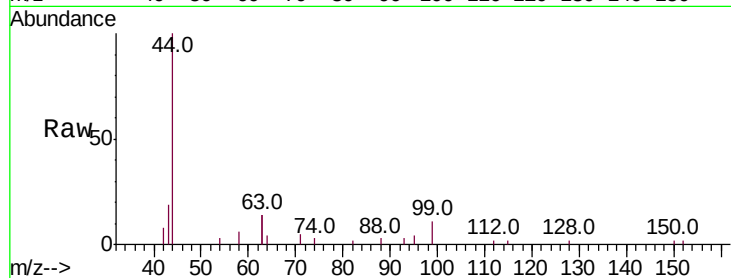
Acq: 10 Aug 2018 19:30

Instrument :

BNA_E

ClientSampled :

Tot Ion:	99	Resp:	451
Ion	Ratio	Lower	Upper
99	100		
42	42.4	20.2	30.2#
71	0.0	28.4	42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.031 ng

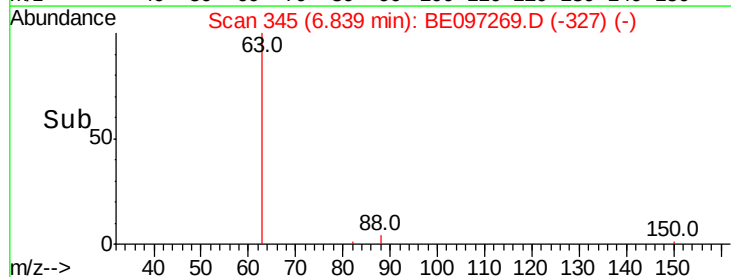
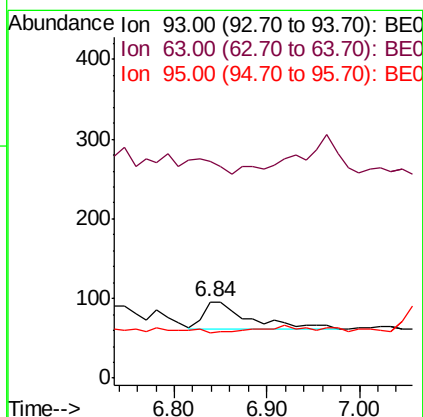
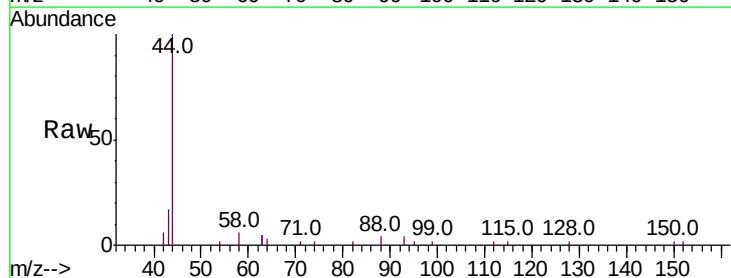
RT: 6.84 min Scan# 345

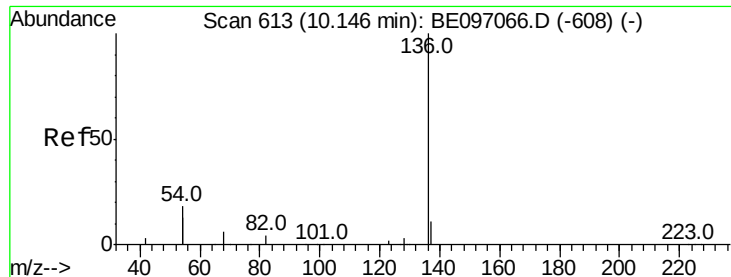
Delta R.T. 0.00 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

Tgt Ion:	93	Resp:	119
Ion	Ratio	Lower	Upper
93	100		
63	0.0	275.3	412.9#
95	0.0	25.2	37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5353

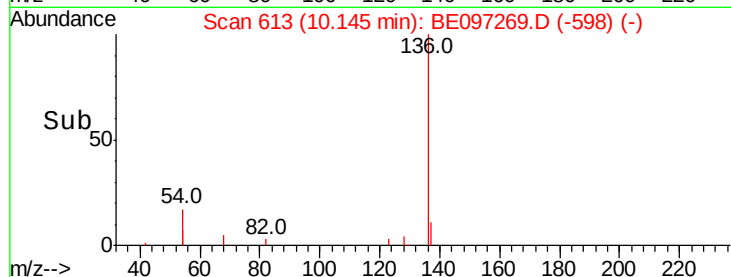
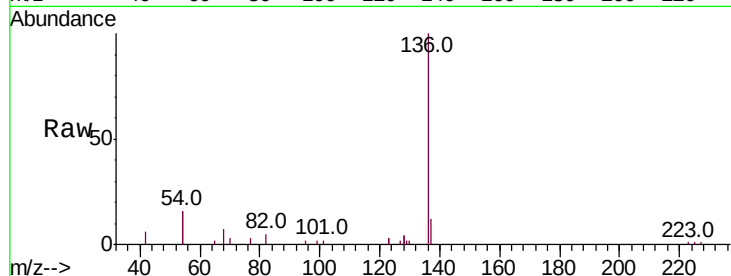
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 32.8 29.1 43.7

68 7.3 6.2 9.2

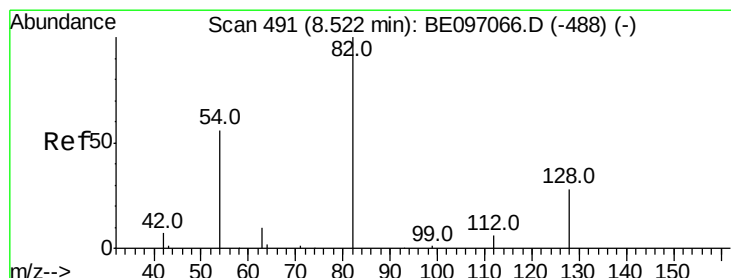
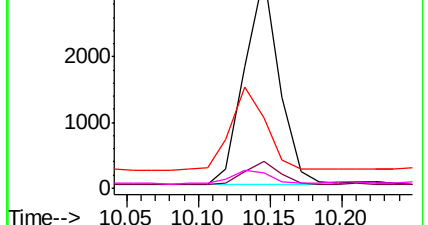


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.433 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

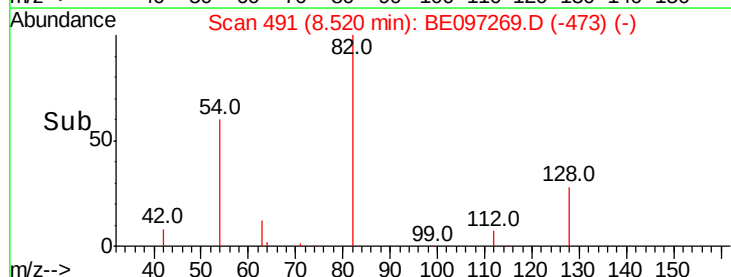
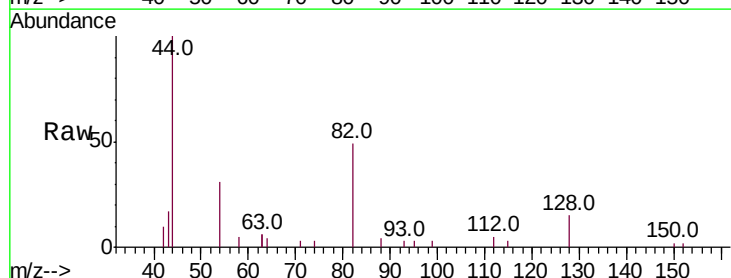
Tgt Ion: 82 Resp: 2013

Ion Ratio Lower Upper

82 100

128 31.2 24.0 36.0

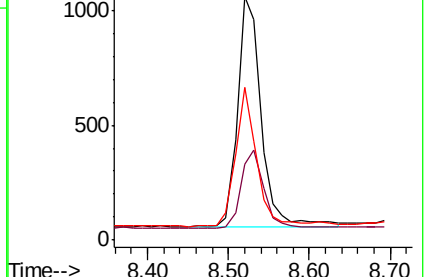
54 62.6 40.0 60.0#

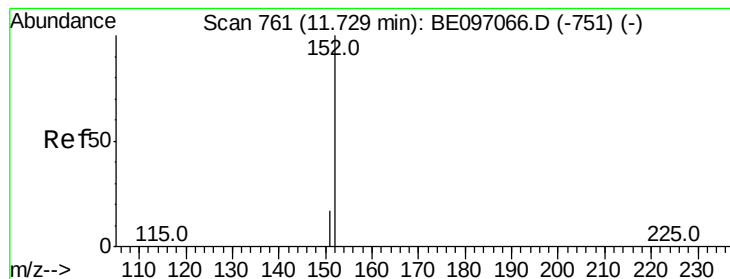


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.400 ng

RT: 11.72 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

Instrument :

BNA_E

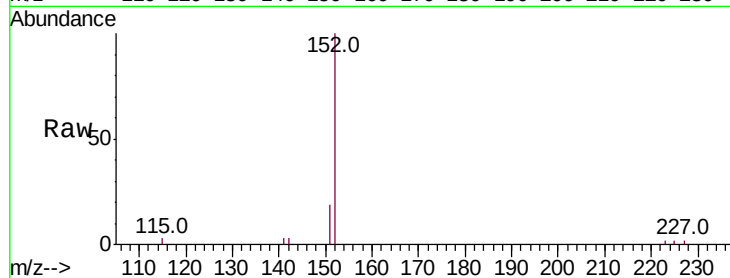
ClientSampleId :

Tot Ion:152 Resp: 3205

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

2000

1500

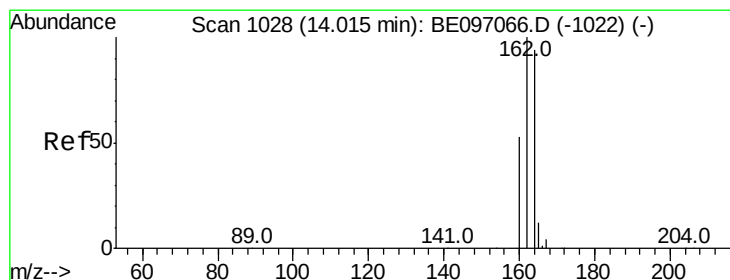
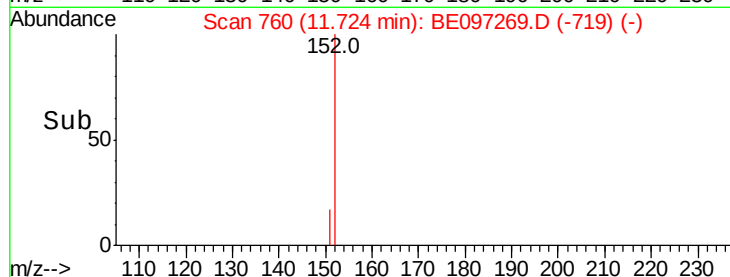
1000

500

0

11.60 11.70 11.80

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

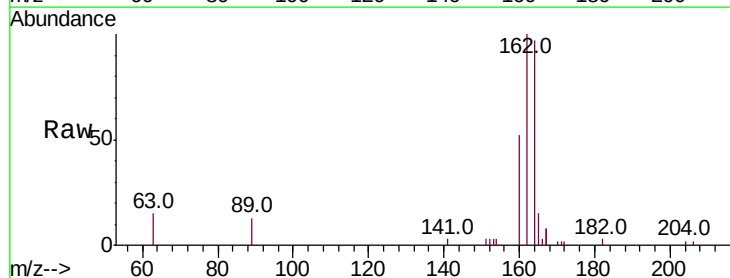
Tgt Ion:164 Resp: 3246

Ion Ratio Lower Upper

164 100

162 103.4 83.1 124.7

160 53.5 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

3000

2500

2000

1500

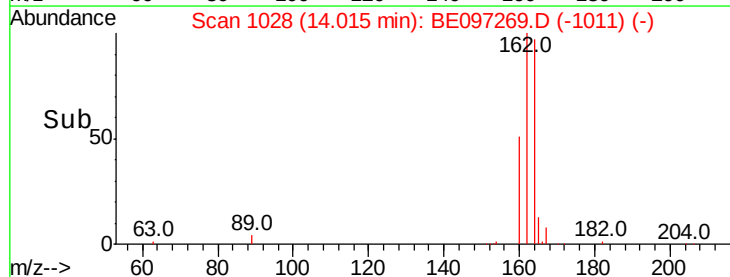
1000

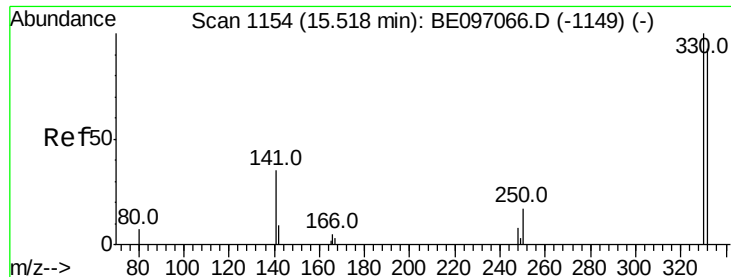
500

0

13.90 14.00 14.10

Time-->

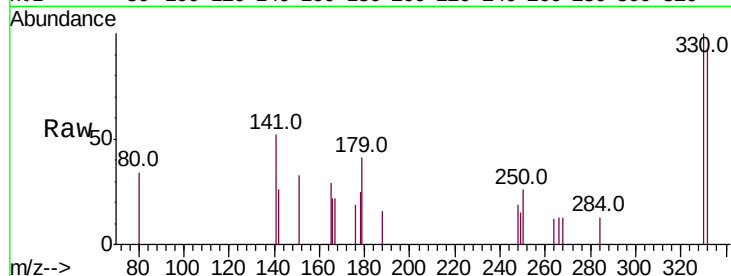




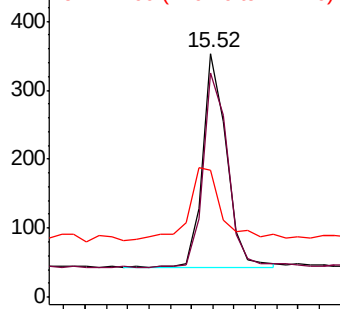
#14
 2,4,6-Tribromophenol
 Concen: 0.451 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE097269.D
 Acq: 10 Aug 2018 19:30

Instrument :
 BNA_E
 ClientSampleId :

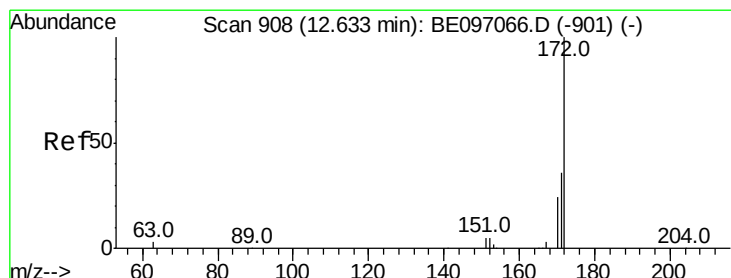
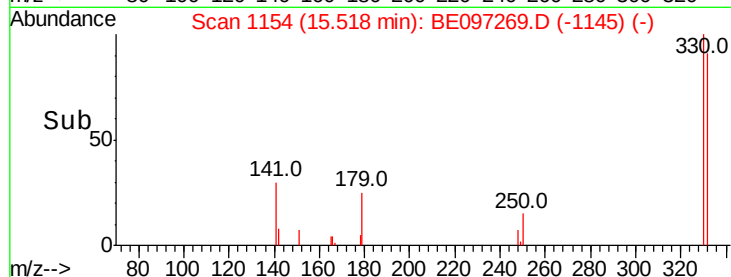
Tot Ion:330 Resp: 482
 Ion Ratio Lower Upper
 330 100
 332 93.8 152.7 229.1#
 141 46.9 33.7 50.5



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

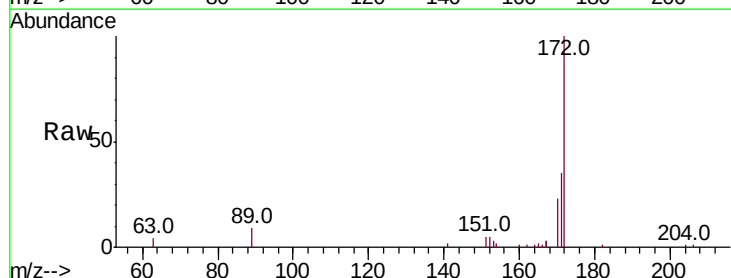


Time-->

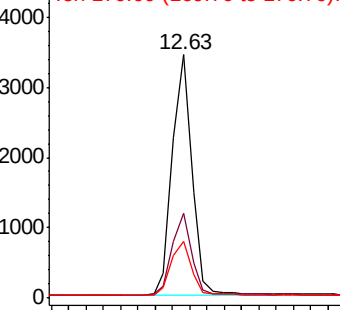


#15
 2-Fluorobiphenyl
 Concen: 0.479 ng
 RT: 12.63 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BE097269.D
 Acq: 10 Aug 2018 19:30

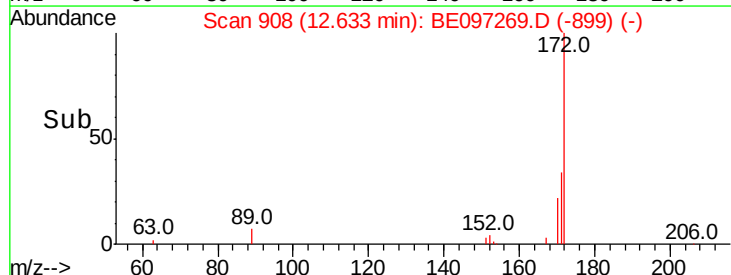
Tgt Ion:172 Resp: 5365
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.9 44.9
 170 23.2 21.8 32.8

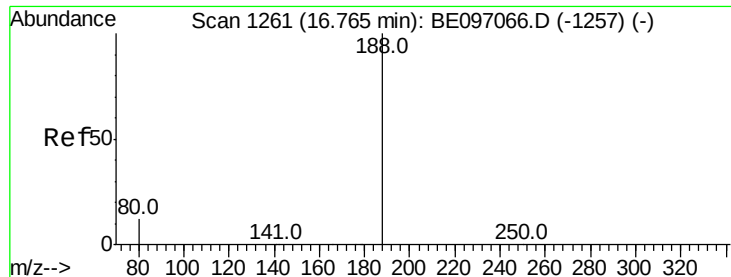


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

Instrument :

BNA_E

ClientSampleId :

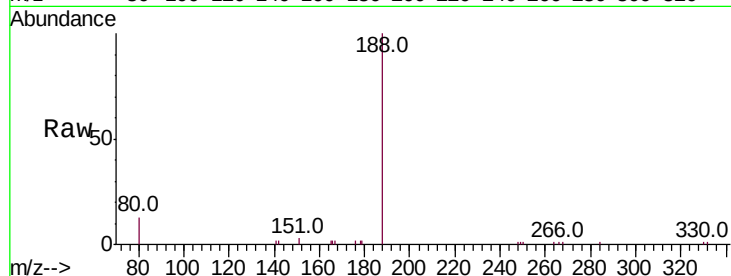
Tot Ion:188 Resp: 7889

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

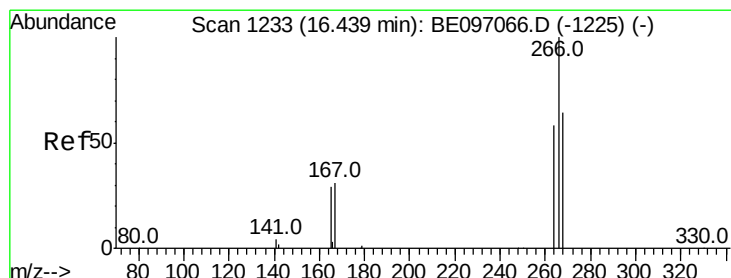
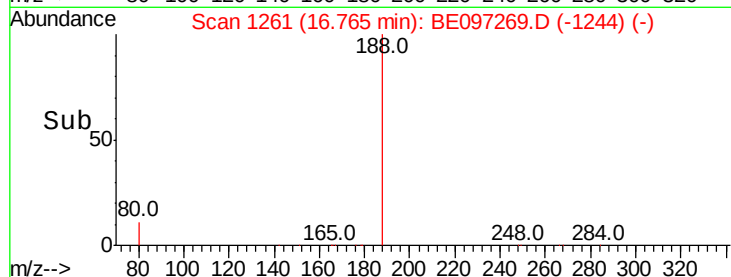
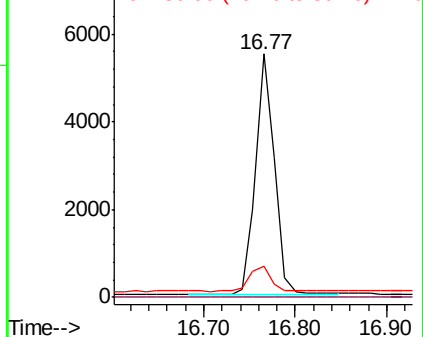
80 12.9 3.6 5.4#



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: 0.062 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

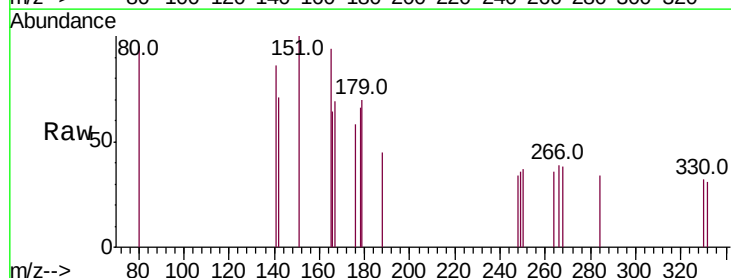
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

264 90.7 72.5 108.7

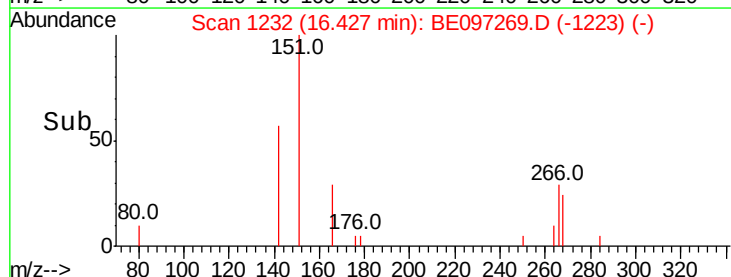
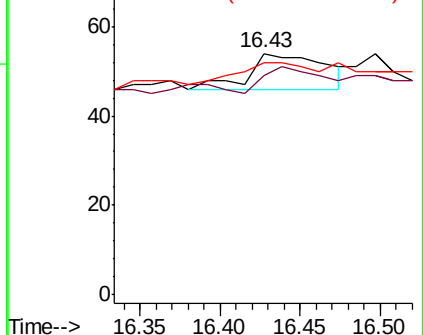
268 96.3 73.8 110.6

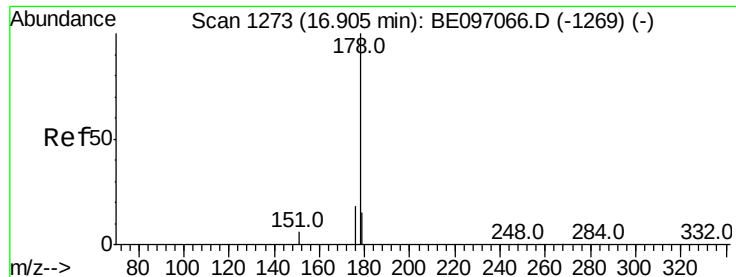


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#24

Anthracene

Concen: 0.025 ng

RT: 16.90 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

Instrument :

BNA_E

ClientSampled :

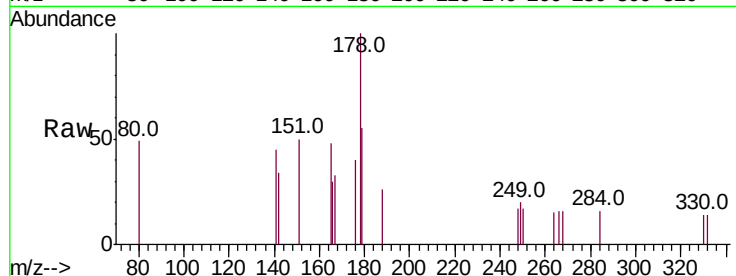
Tot Ion:178 Resp: 417

Ion Ratio Lower Upper

178 100

176 23.3 12.8 19.2#

179 0.0 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.90

300

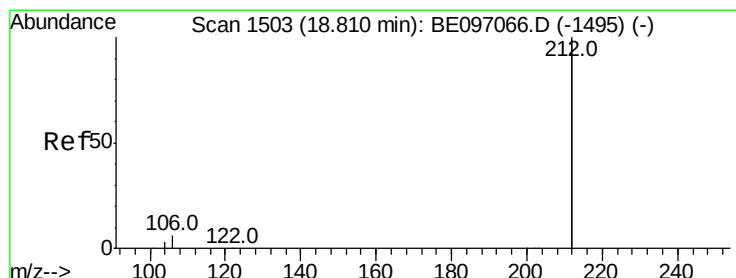
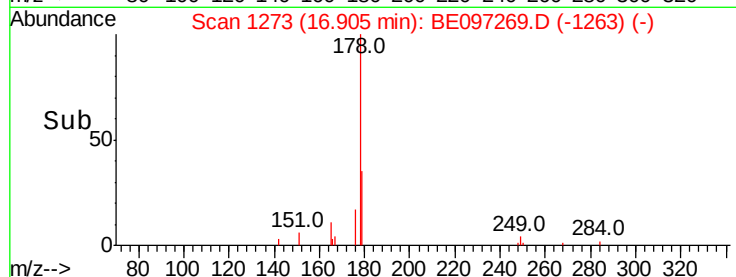
200

100

0

16.85 16.90 16.95

Time-->



#25

Fluoranthene-d10

Concen: 0.450 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

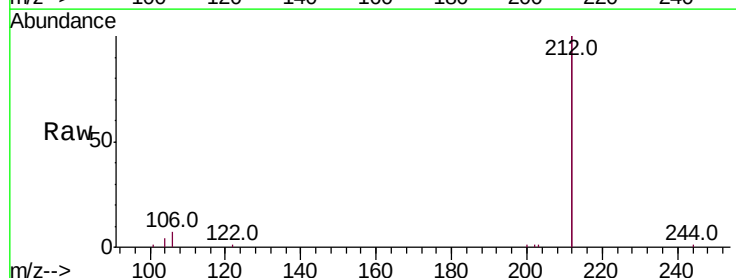
Tgt Ion:212 Resp: 35535

Ion Ratio Lower Upper

212 100

106 3.2 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

18.81

30000

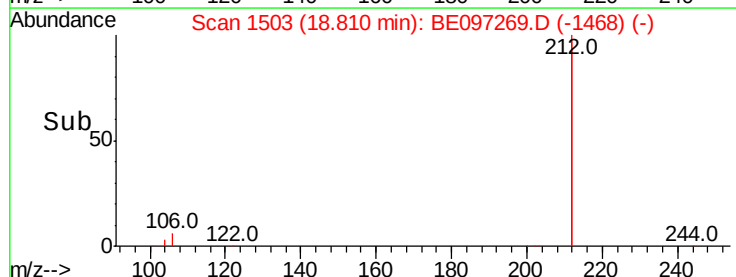
20000

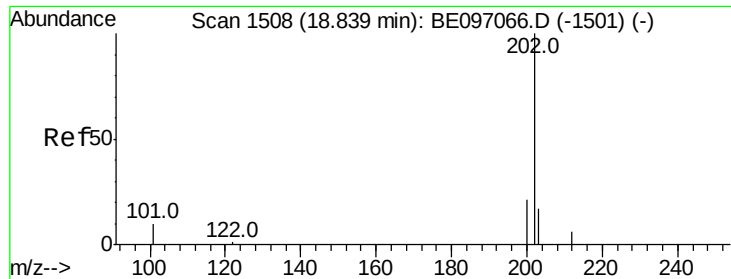
10000

0

18.70 18.80 18.90

Time-->

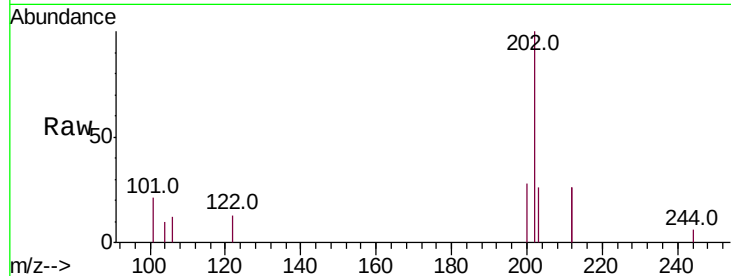




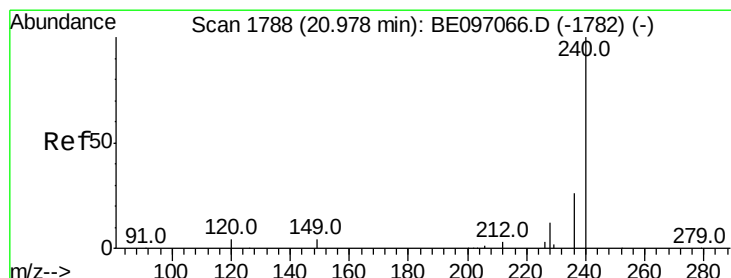
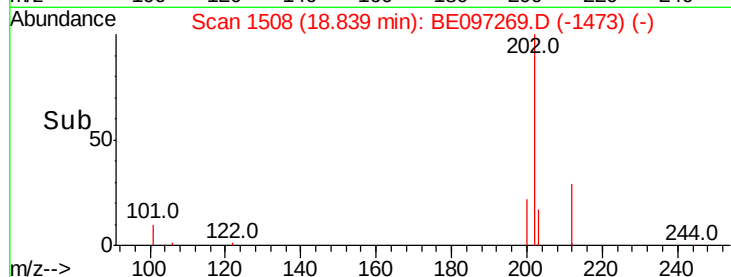
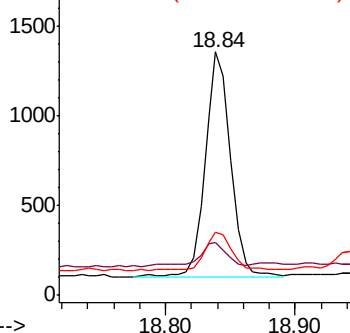
#26
Fluoranthene
Concen: 0.079 ng
RT: 18.84 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BE097269.D
Acq: 10 Aug 2018 19:30

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 1673
Ion Ratio Lower Upper
202 100
101 11.7 9.8 14.8
203 18.9 13.7 20.5

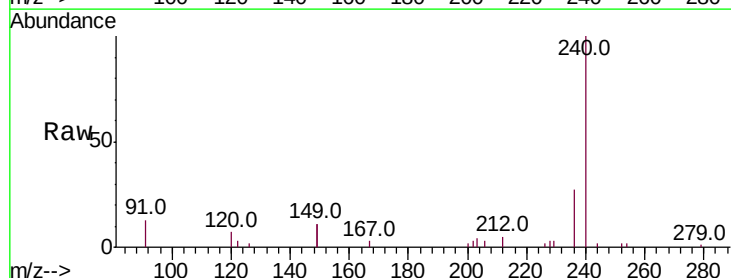


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

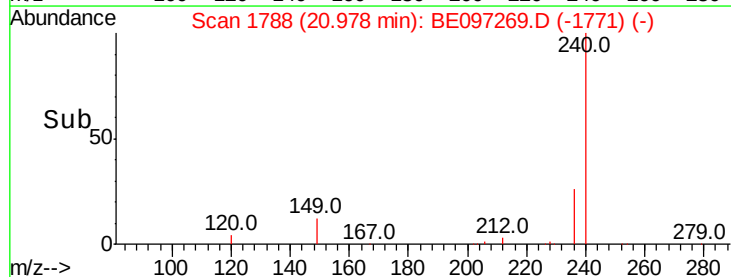
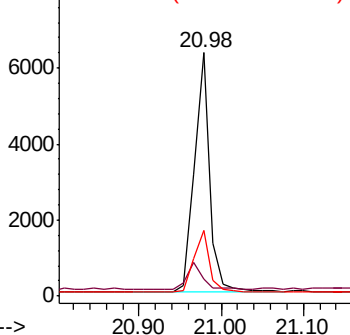


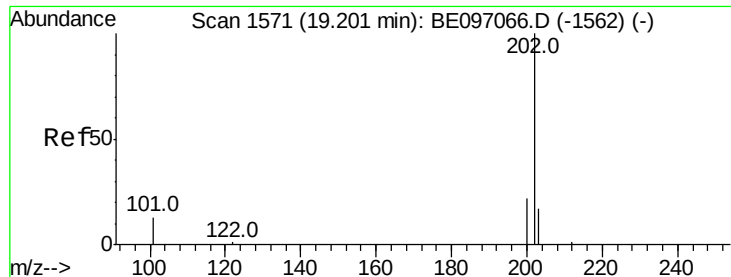
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097269.D
Acq: 10 Aug 2018 19:30

Tgt Ion:240 Resp: 8316
Ion Ratio Lower Upper
240 100
120 7.0 5.5 8.3
236 27.2 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

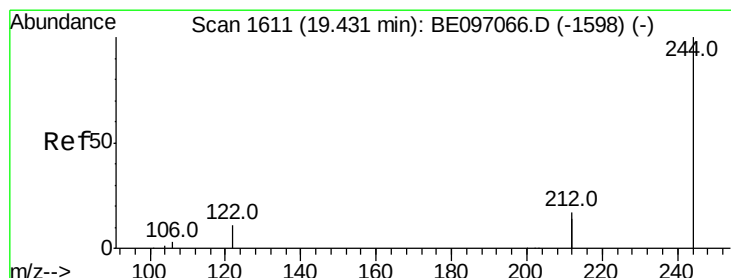
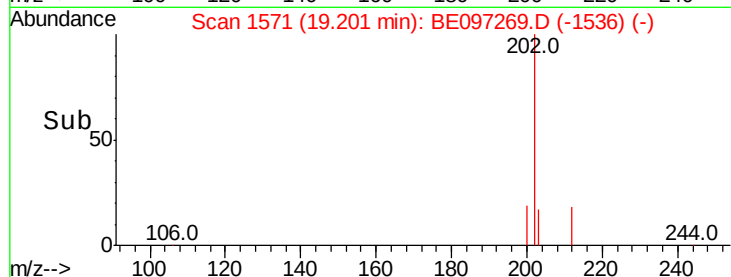
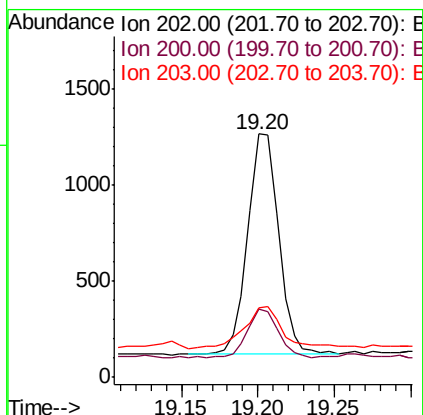
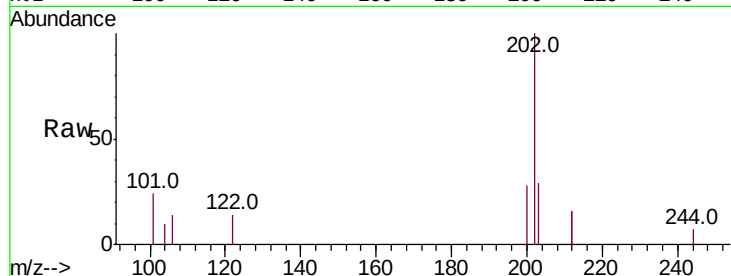




#28
Pvrene
Concen: 0.071 ng
RT: 19.20 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BE097269.D
Acq: 10 Aug 2018 19:30

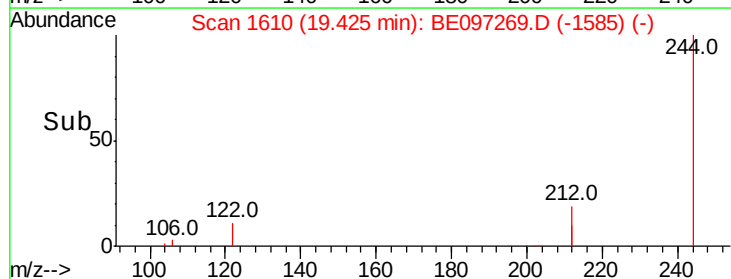
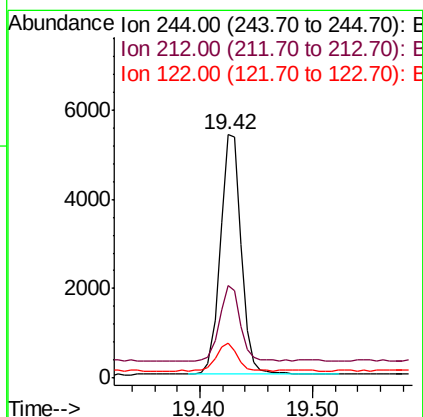
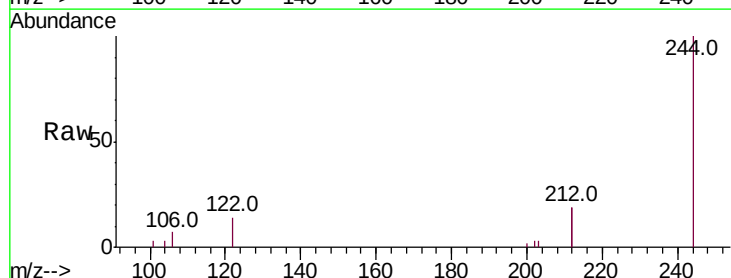
Instrument :
BNA_E
ClientSampleId :

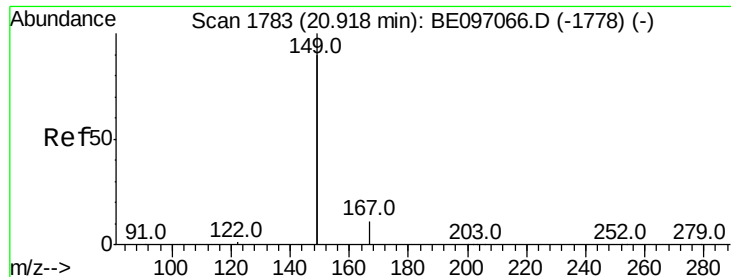
Tot Ion:202 Resp: 1614
Ion Ratio Lower Upper
202 100
200 22.6 16.6 25.0
203 24.4 13.8 20.8#



#29
Terphenyl-d14
Concen: 0.434 ng
RT: 19.42 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BE097269.D
Acq: 10 Aug 2018 19:30

Tgt Ion:244 Resp: 6928
Ion Ratio Lower Upper
244 100
212 38.1 25.4 38.0#
122 14.3 8.1 12.1#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.816 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

Instrument :

BNA_E

ClientSampleId :

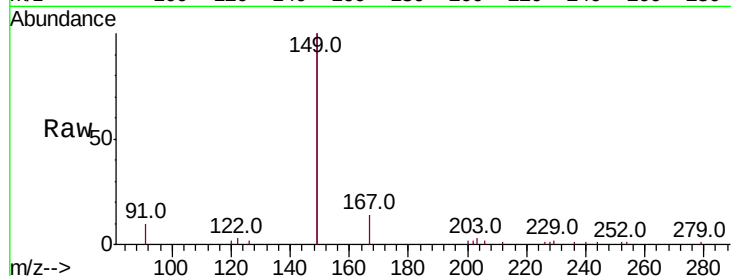
Tot Ion:149 Resp: 18904

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

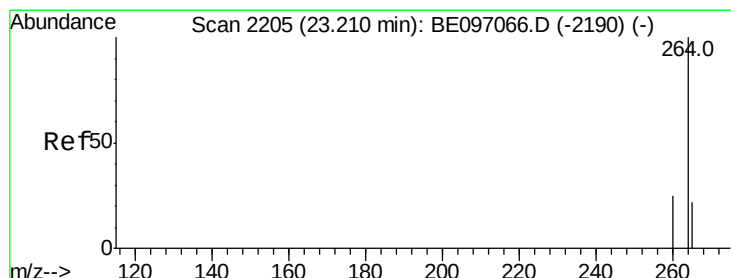
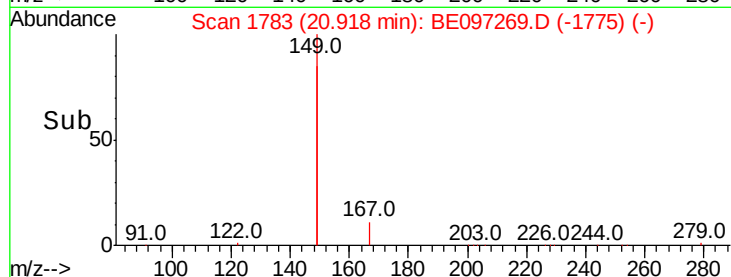
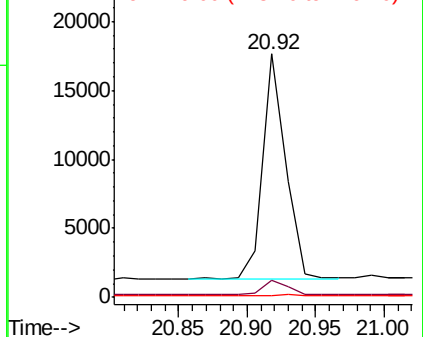
279 1.1 0.7 1.1#



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: 23.22 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BE097269.D

Acq: 10 Aug 2018 19:30

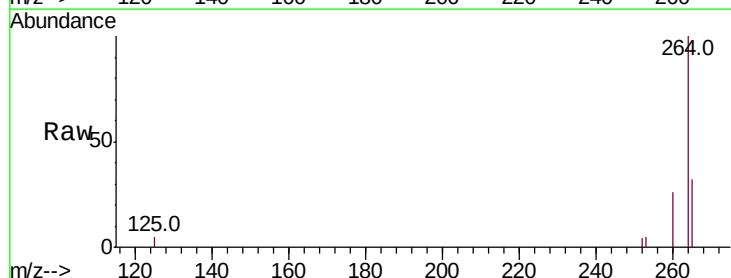
Tgt Ion:264 Resp: 8073

Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

265 31.6 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

