

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091018\
 Data File : BE097442.D
 Acq On : 10 Sep 2018 10:47
 Operator : SJ/JU
 Sample : PB112668BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 13:24:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 18:07:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	986	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4275	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2182	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	5534	0.40	ng	0.00
27) Chrysene-d12	20.97	240	7609	0.40	ng	0.00
34) Perylene-d12	23.20	264	8127	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1374	0.47	ng	0.00
5) Phenol-d6	6.60	99	1569	0.40	ng	0.00
8) Nitrobenzene-d5	8.52	82	1316	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2627	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	259	0.35	ng	0.01
15) 2-Fluorobiphenyl	12.63	172	3673	0.46	ng	0.01
25) Fluoranthene-d10	18.80	212	30626	0.48	ng	0.00
29) Terphenyl-d14	19.42	244	5297	0.38	ng	0.00

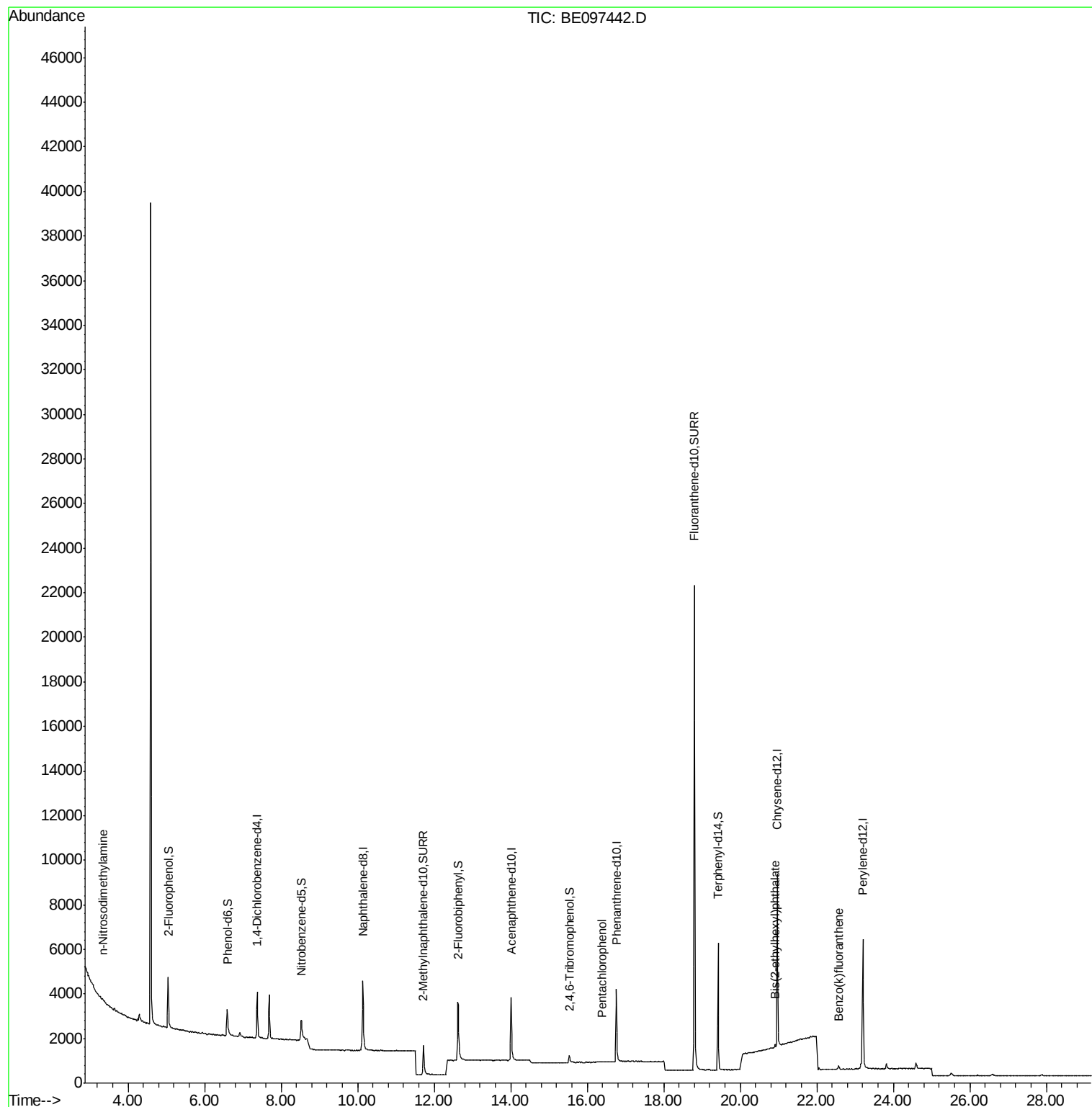
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.34	42	93	0.057	ng	# 7
22) Pentachlorophenol	16.38	266	7	0.208	ng	# 93
32) Bis(2-ethylhexyl)phthalate	20.91	149	476	0.107	ng	# 93
33) Indeno(1,2,3-cd)pyrene	25.51	276	43	Below Cal		# 1
36) Benzo(k)fluoranthene	22.58	252	64	0.024	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	35	Below Cal		# 1
39) Benzo(g,h,i)perylene	26.21	276	35	Below Cal		# 1

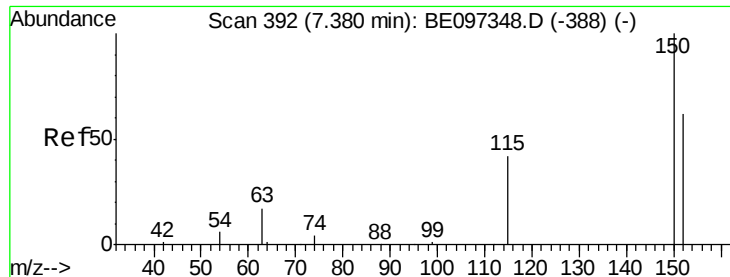
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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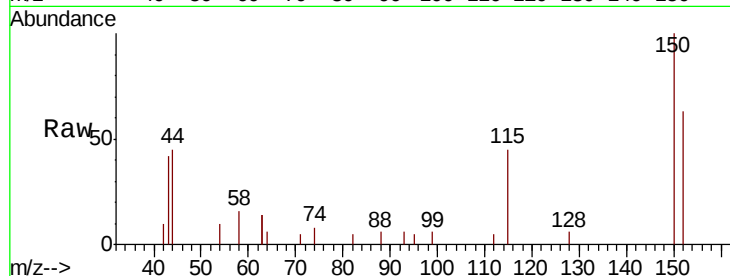




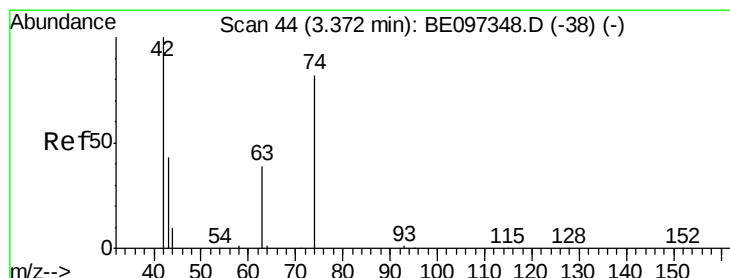
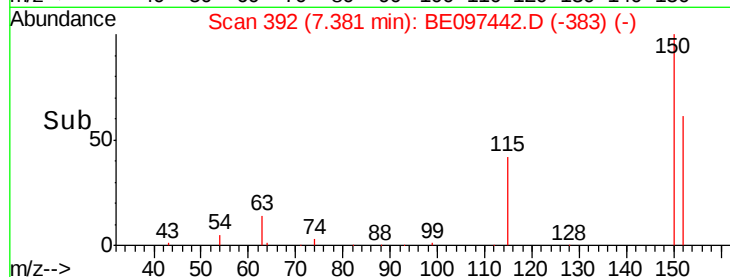
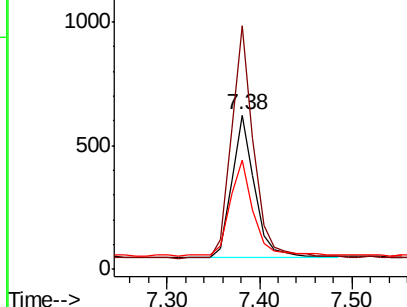
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.38 min Scan# 392
 Delta R.T. 0.00 min
 Lab File: BE097442.D
 Acq: 10 Sep 2018 10:47

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:152 Resp: 986
 Ion Ratio Lower Upper
 152 100
 150 157.9 117.2 175.8
 115 71.2 57.0 85.6

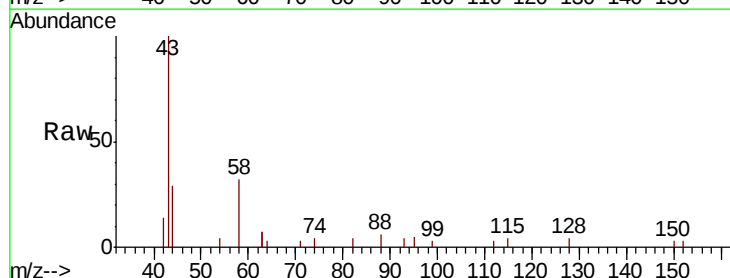


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

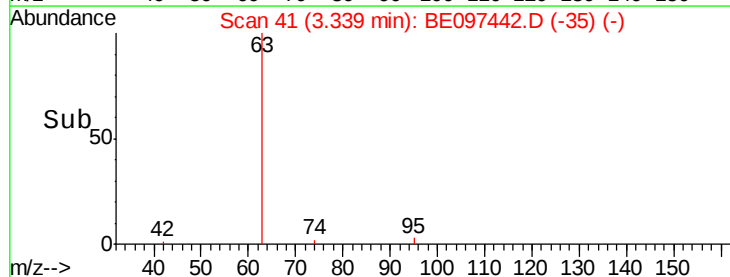
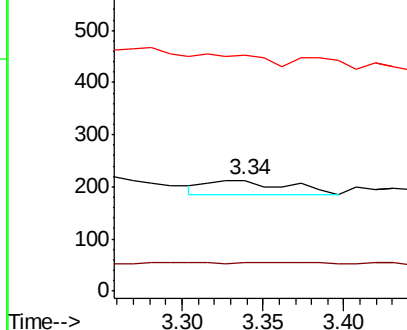


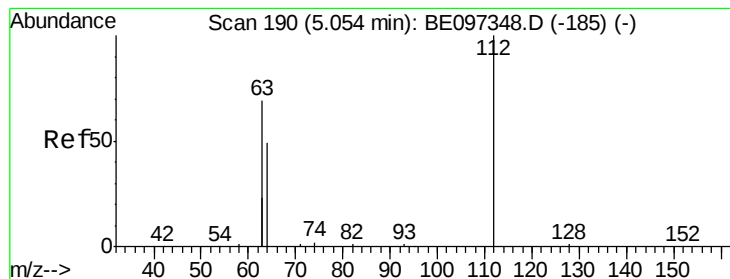
#3
 n-Nitrosodimethylamine
 Concen: 0.057 ng
 RT: 3.34 min Scan# 41
 Delta R.T. -0.03 min
 Lab File: BE097442.D
 Acq: 10 Sep 2018 10:47

Tgt Ion: 42 Resp: 93
 Ion Ratio Lower Upper
 42 100
 74 8.6 96.0 144.0#
 44 0.0 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: 0.471 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

Instrument :

BNA_E

ClientSampleId :

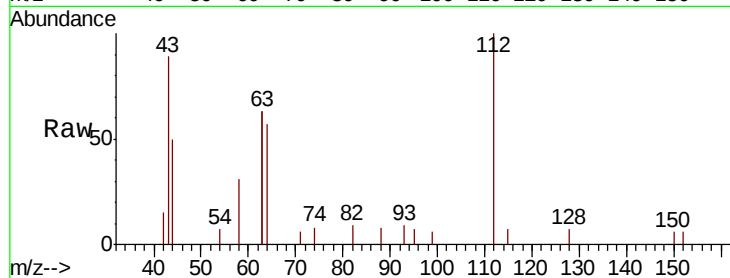
Tot Ion: 112 Resp: 1374

Ion Ratio Lower Upper

112 100

64 70.6 60.1 90.1

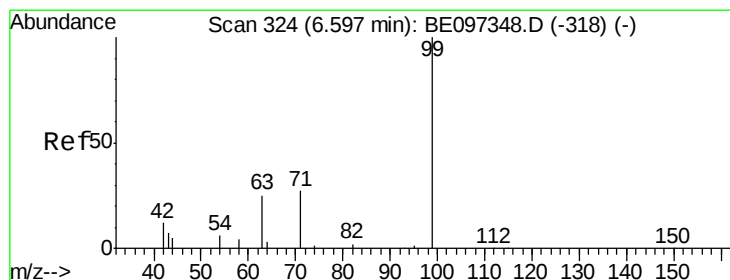
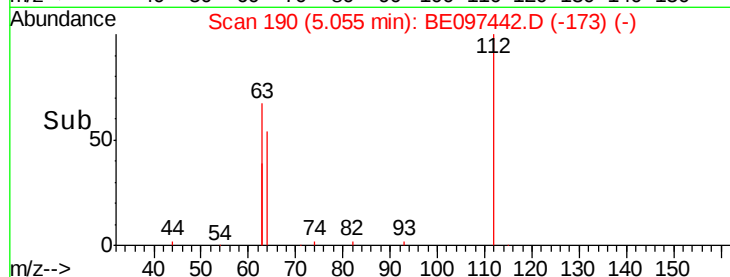
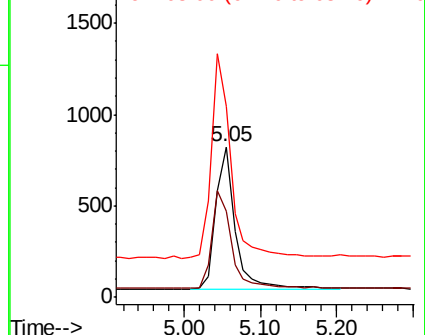
63 144.5 116.8 175.2



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: 0.403 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

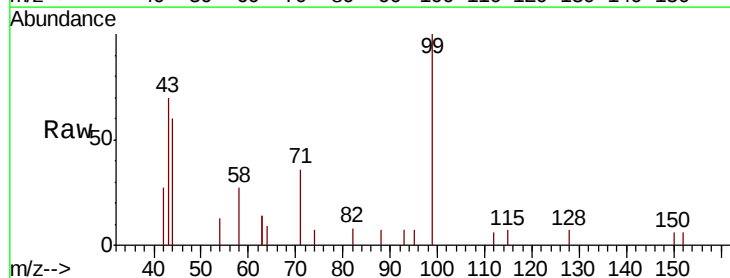
Tgt Ion: 99 Resp: 1569

Ion Ratio Lower Upper

99 100

42 20.5 20.2 30.2

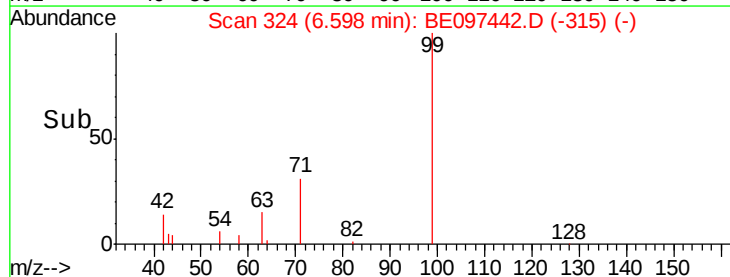
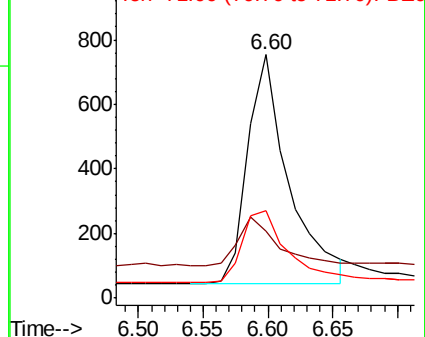
71 34.8 28.4 42.6

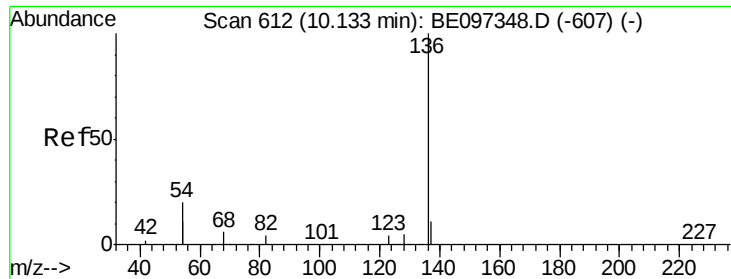


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4275

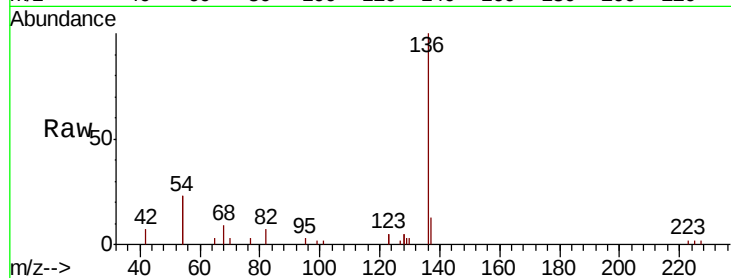
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 46.0 29.1 43.7#

68 8.9 6.2 9.2

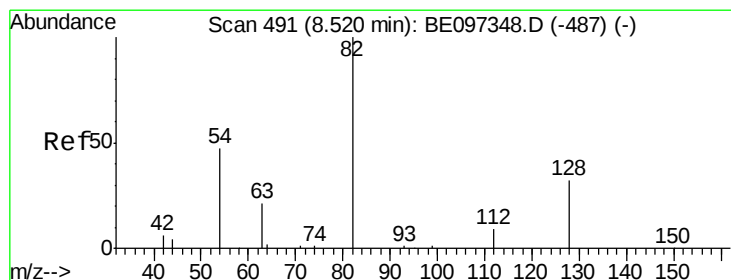
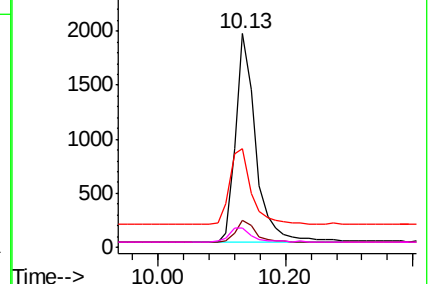
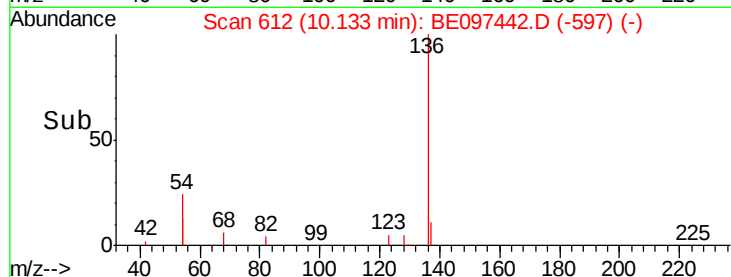


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.430 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

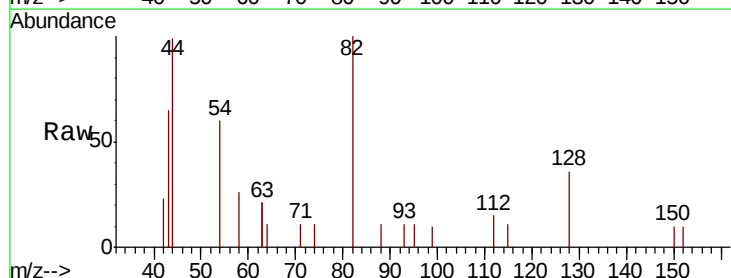
Tgt Ion: 82 Resp: 1316

Ion Ratio Lower Upper

82 100

128 36.2 24.0 36.0#

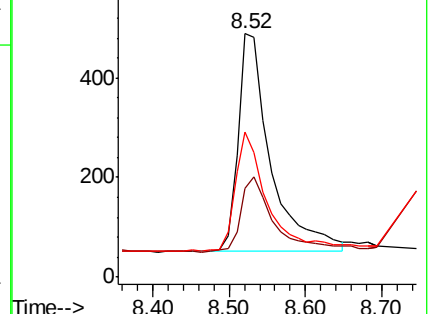
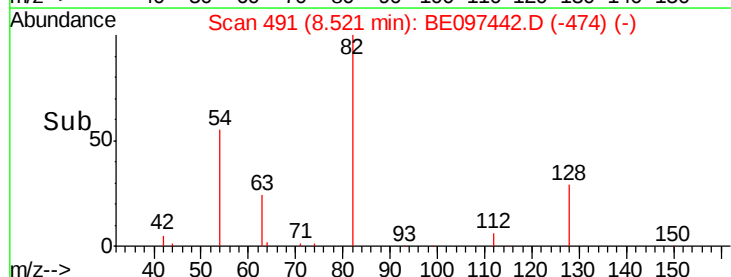
54 59.7 40.0 60.0

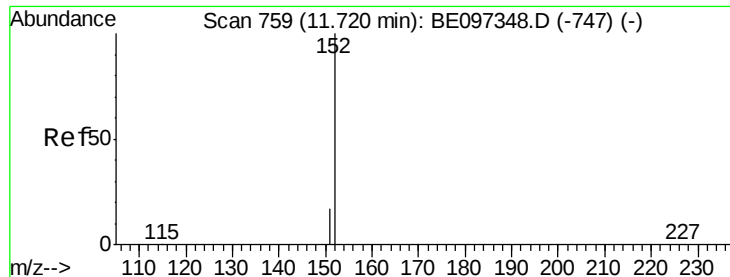


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

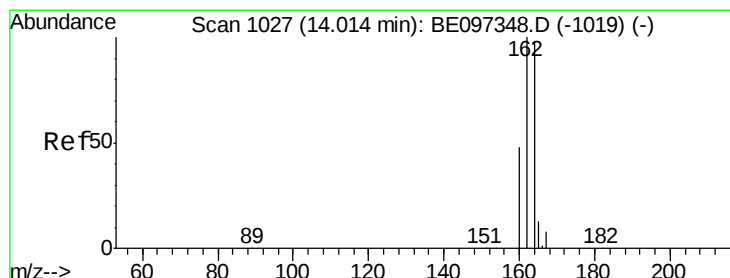
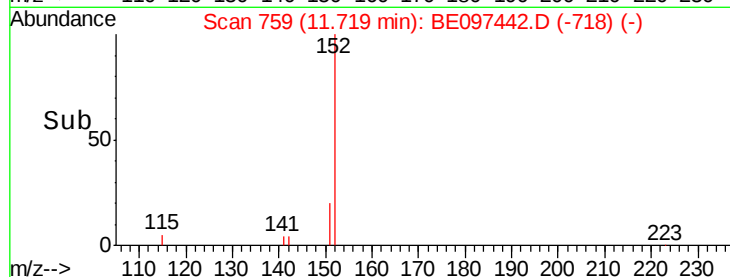
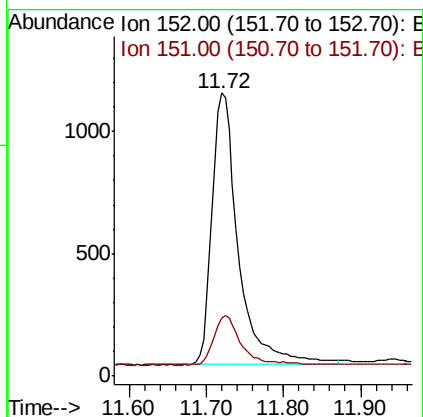
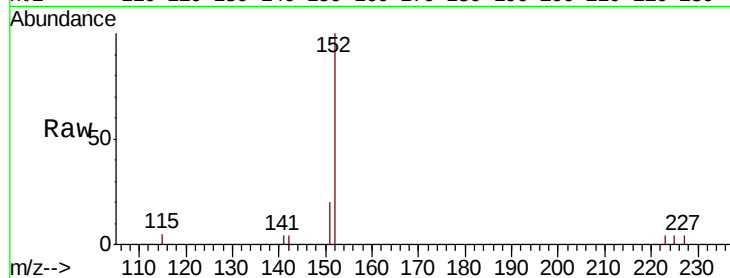




#11
2-Methylnaphthalene-d10
Concen: 0.441 ng
RT: 11.72 min Scan# 759
Delta R.T. -0.00 min
Lab File: BE097442.D
Acq: 10 Sep 2018 10:47

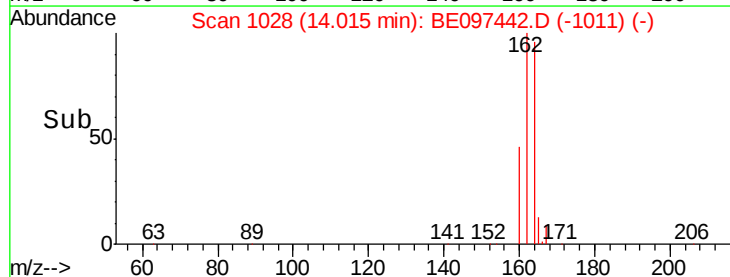
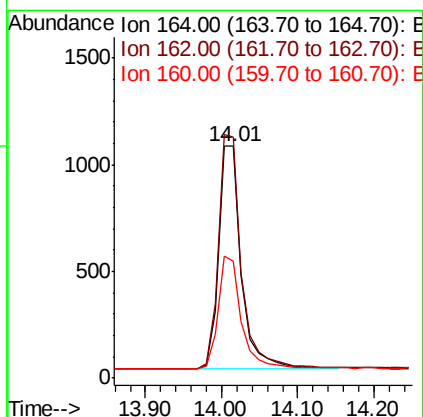
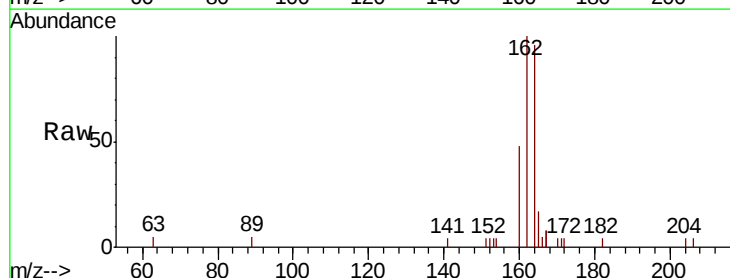
Instrument :
BNA_E
ClientSampled :

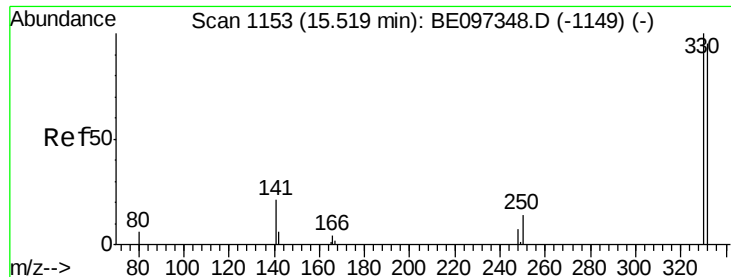
Tot Ion:152 Resp: 2627
Ion Ratio Lower Upper
152 100
151 17.7 15.4 23.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097442.D
Acq: 10 Sep 2018 10:47

Tgt Ion:164 Resp: 2182
Ion Ratio Lower Upper
164 100
162 103.9 83.1 124.7
160 50.4 37.1 55.7





#14

2,4,6-Tribromophenol

Concen: 0.351 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

Instrument :

BNA_E

ClientSampleId :

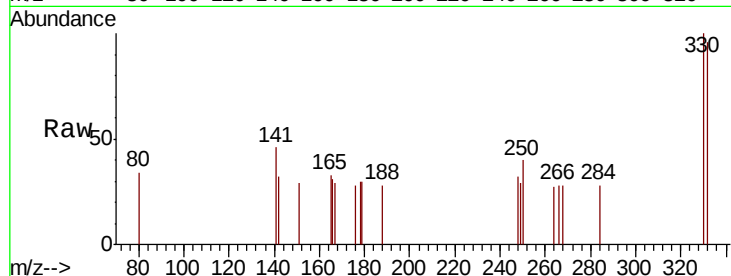
Tot Ion:330 Resp: 259

Ion Ratio Lower Upper

330 100

332 96.5 152.7 229.1#

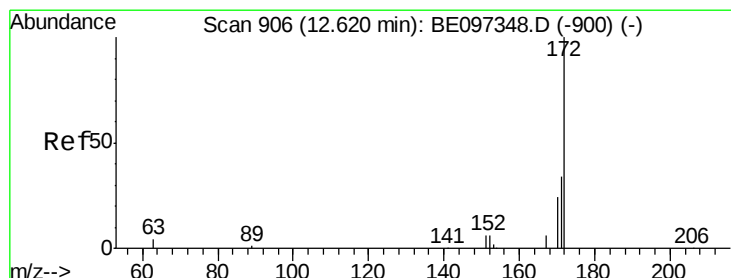
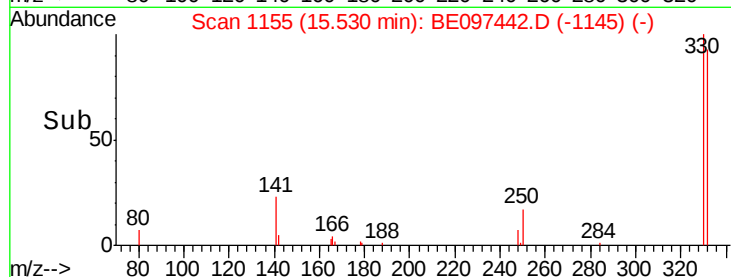
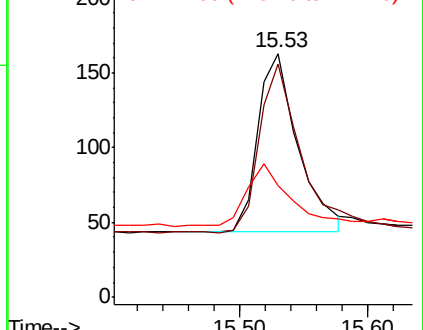
141 35.5 33.7 50.5



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: 0.459 ng

RT: 12.63 min Scan# 908

Delta R.T. 0.01 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

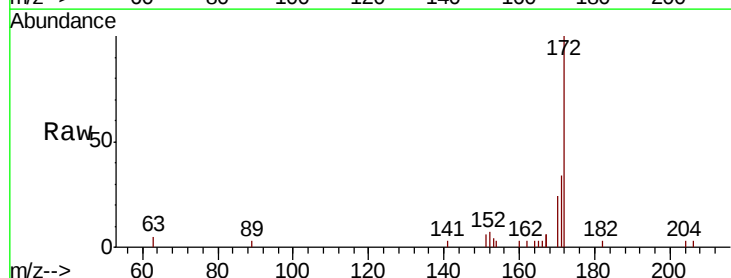
Tgt Ion:172 Resp: 3673

Ion Ratio Lower Upper

172 100

171 33.9 29.9 44.9

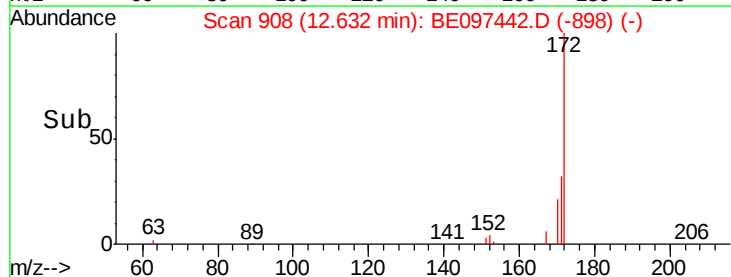
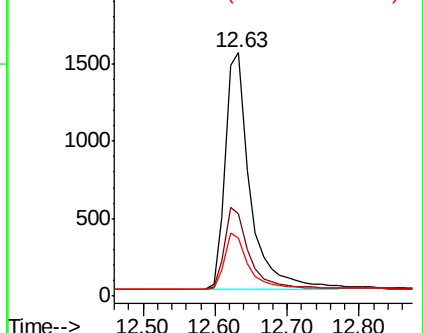
170 23.7 21.8 32.8

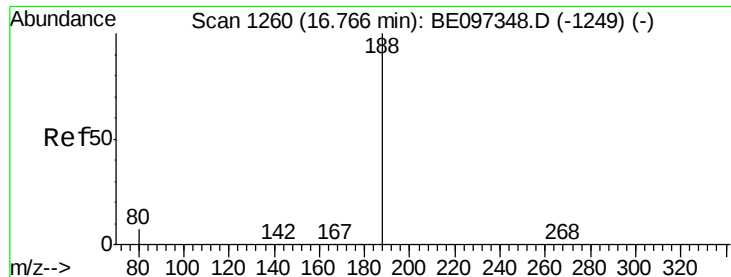


Abundance Ion 172.00 (171.70 to 172.70): E

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: BE097442.D

Acq: 10 Sep 2018 10:47

Instrument :

BNA_E

ClientSampleId :

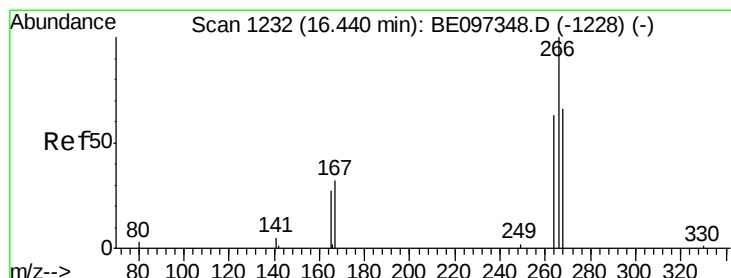
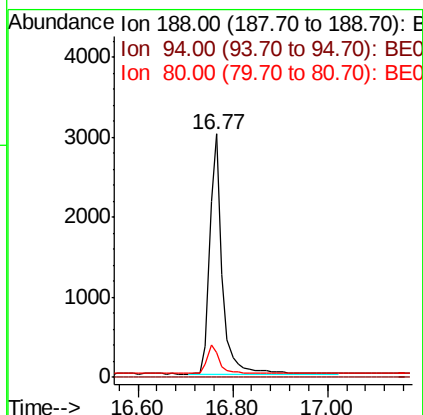
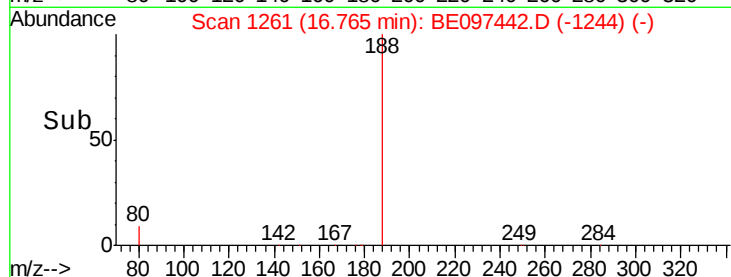
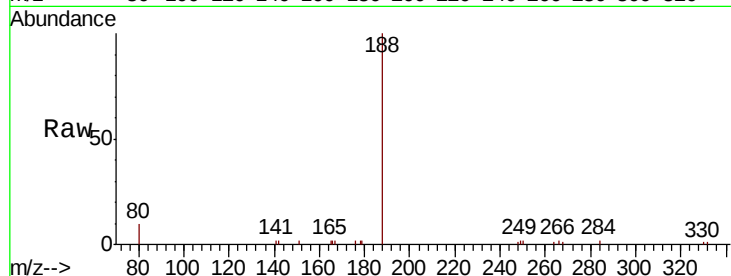
Tot Ion:188 Resp: 5534

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 10.1 3.6 5.4#



#22

Pentachlorophenol

Concen: 0.208 ng

RT: 16.38 min Scan# 1228

Delta R.T. -0.06 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

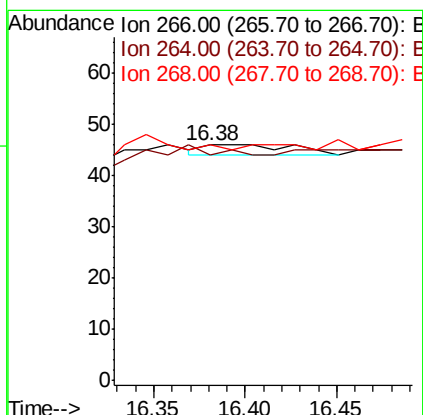
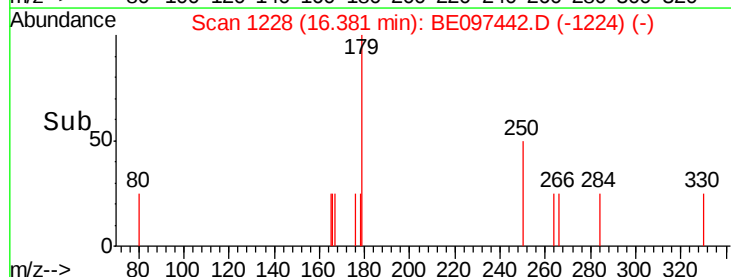
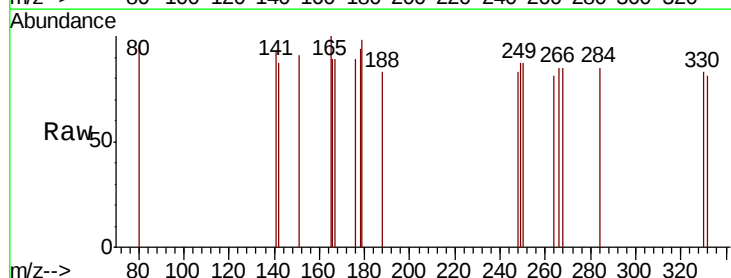
Tgt Ion:266 Resp: 7

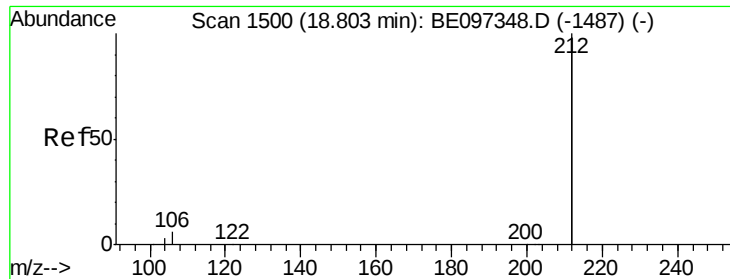
Ion Ratio Lower Upper

266 100

264 95.7 72.5 108.7

268 100.0 73.8 110.6





#25

Fluoranthene-d10

Concen: 0.482 ng

RT: 18.80 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

Instrument :

BNA_E

ClientSampleId :

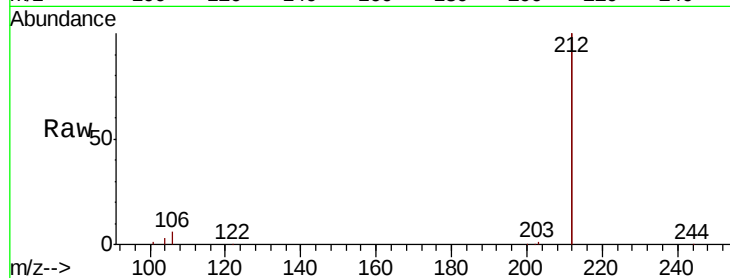
Tot Ion:212 Resp: 30626

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

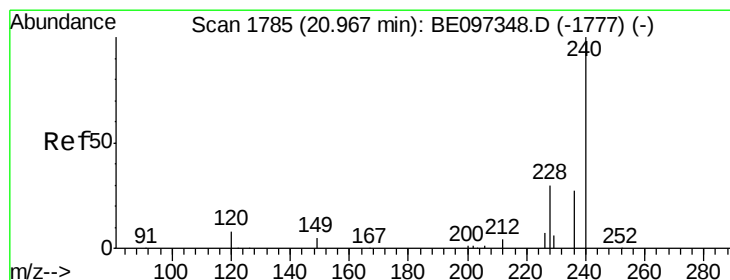
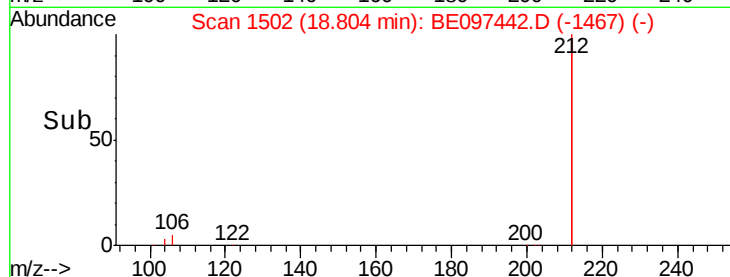
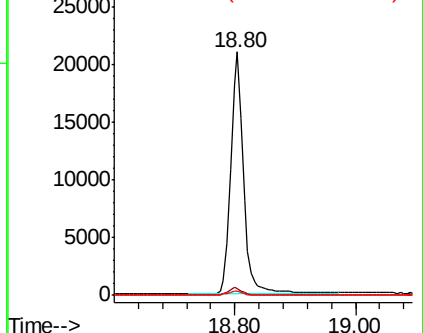
104 1.7 1.6 2.4



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: BE097442.D

Acq: 10 Sep 2018 10:47

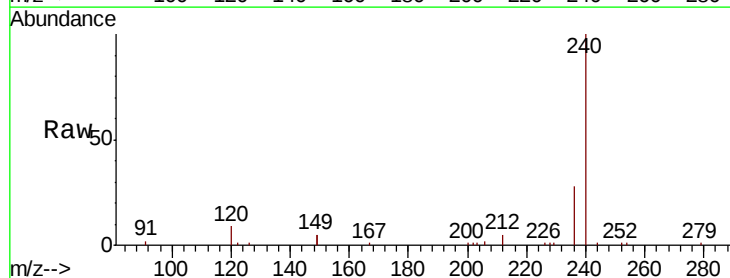
Tgt Ion:240 Resp: 7609

Ion Ratio Lower Upper

240 100

120 9.2 5.5 8.3#

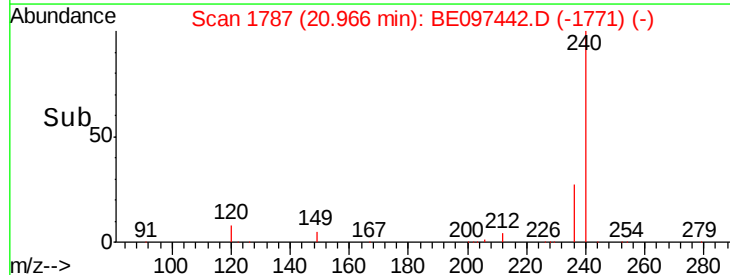
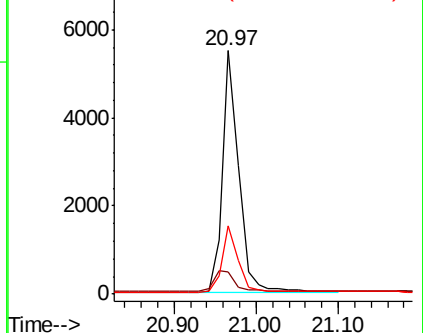
236 27.9 20.7 31.1

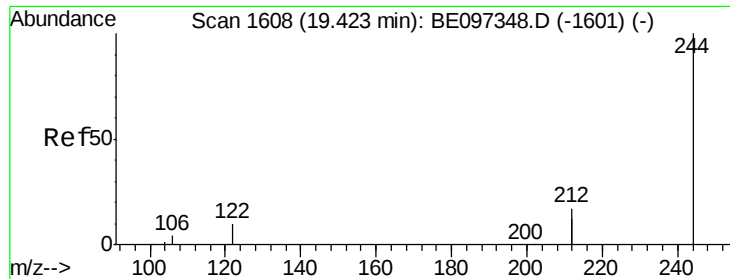


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.377 ng

RT: 19.42 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

Instrument :

BNA_E

ClientSampled :

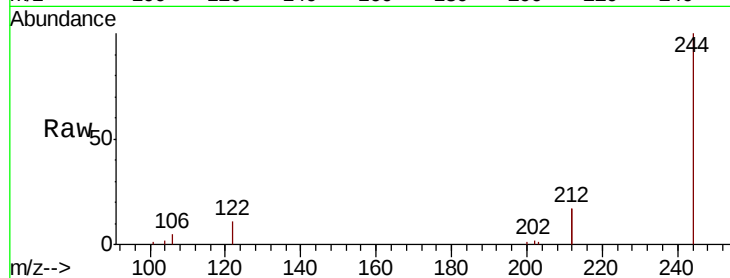
Tot Ion:244 Resp: 5297

Ion Ratio Lower Upper

244 100

212 33.4 25.4 38.0

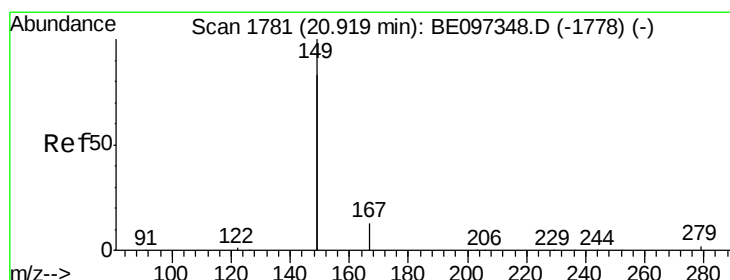
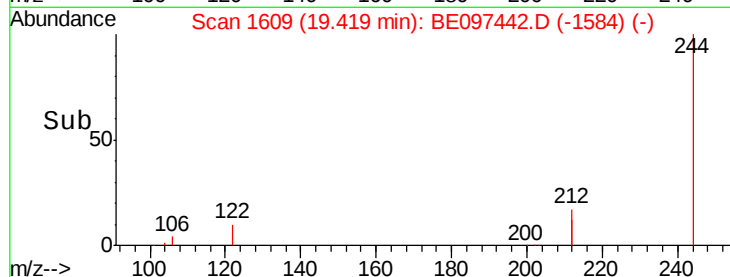
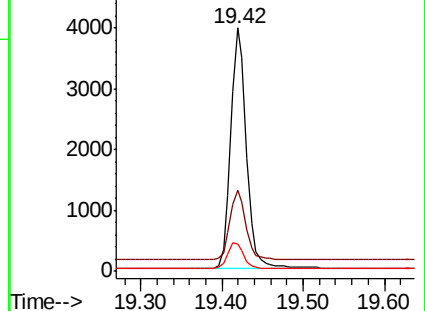
122 11.3 8.1 12.1



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: 0.107 ng

RT: 20.91 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

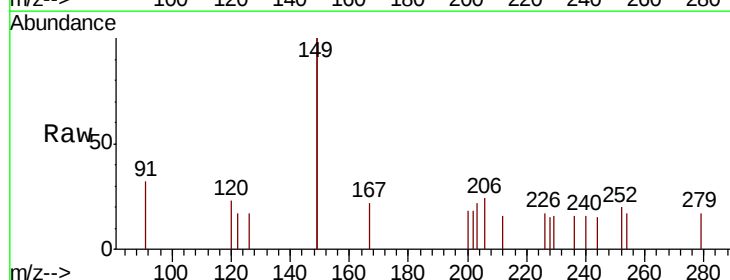
Tgt Ion:149 Resp: 476

Ion Ratio Lower Upper

149 100

167 4.0 5.4 8.0#

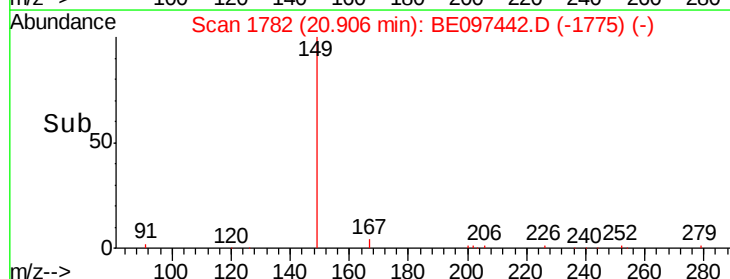
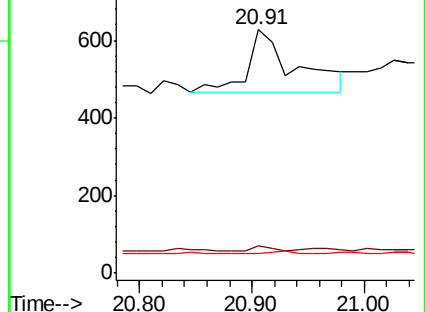
279 0.0 0.7 1.1#

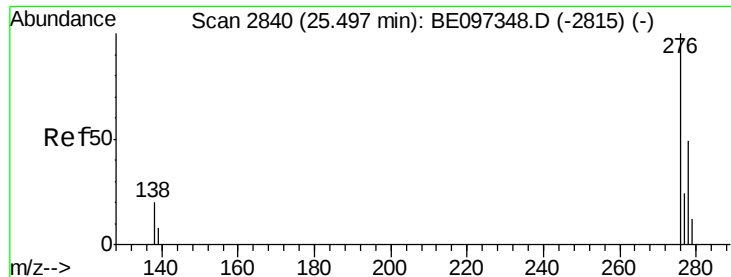


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: Below Cal

RT: 25.51 min Scan# 2846

Delta R.T. 0.01 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

Instrument :

BNA_E

ClientSampleId :

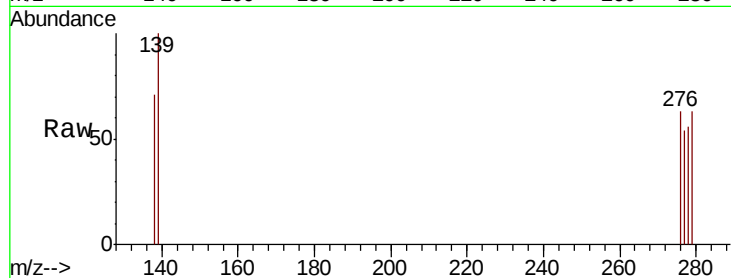
Tot Ion:276 Resp: 43

Ion Ratio Lower Upper

276 100

138 132.6 22.5 33.7#

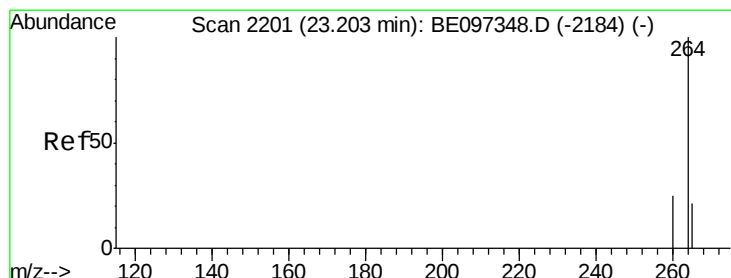
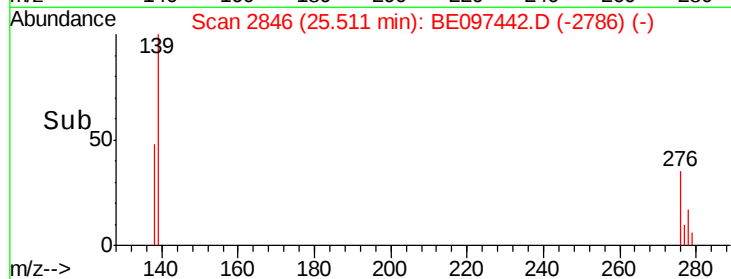
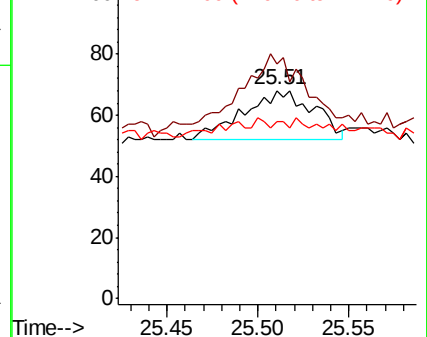
277 2.3 19.9 29.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.20 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

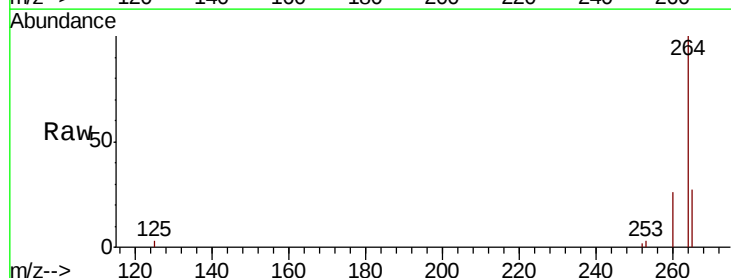
Tgt Ion:264 Resp: 8127

Ion Ratio Lower Upper

264 100

260 25.6 20.5 30.7

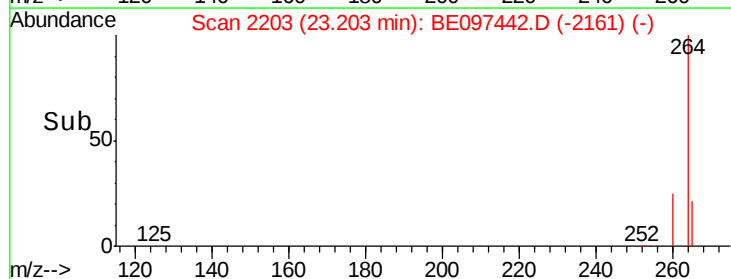
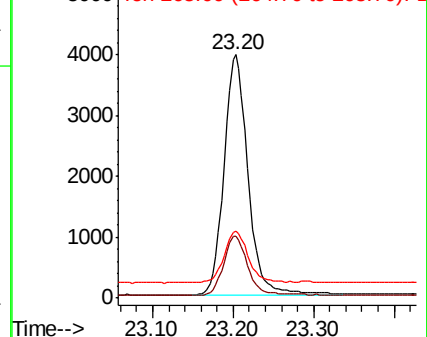
265 27.4 22.8 34.2

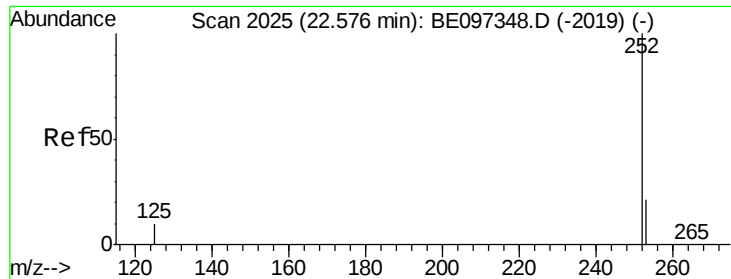


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

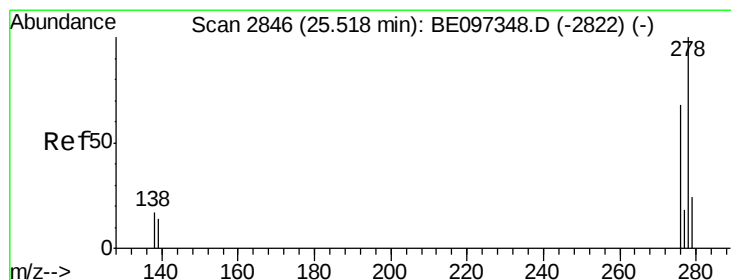
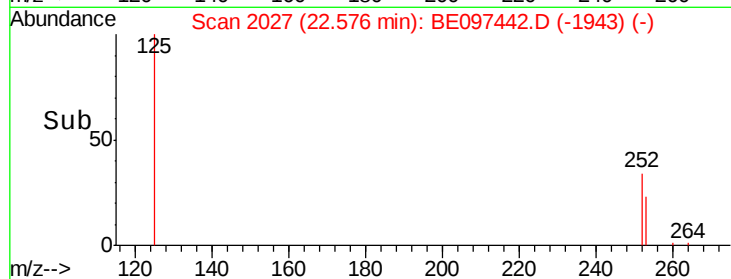
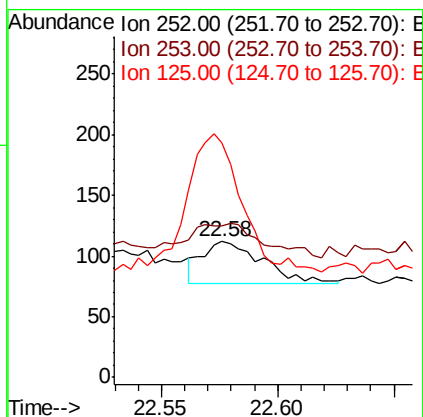
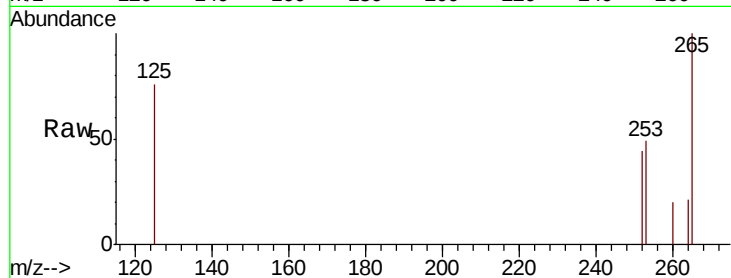




#36
Benzo(k)fluoranthene
Concen: 0.024 ng
RT: 22.58 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE097442.D
Acq: 10 Sep 2018 10:47

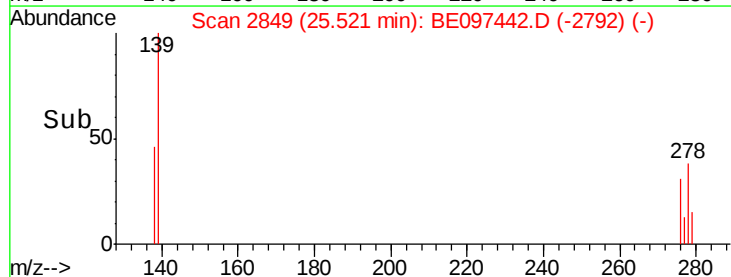
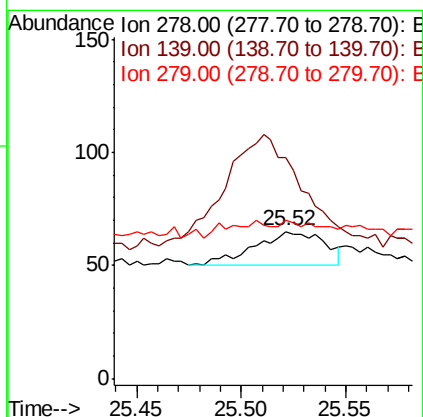
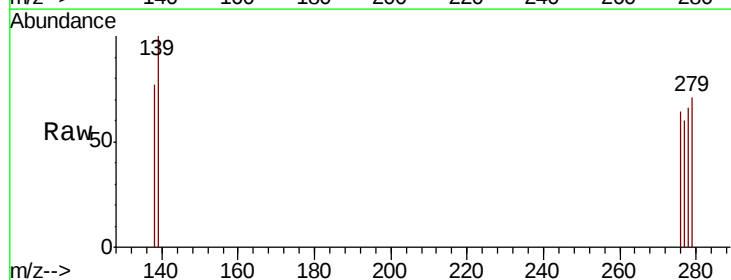
Instrument :
BNA_E
ClientSampleId :

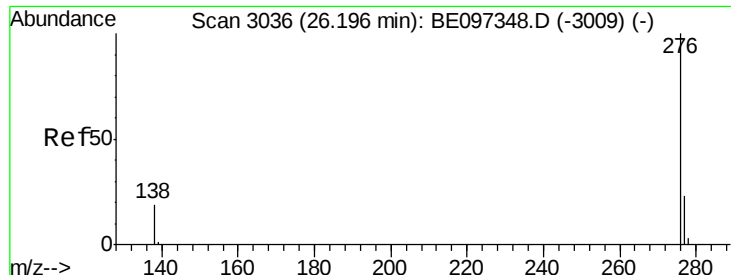
Tot Ion:252 Resp: 64
Ion Ratio Lower Upper
252 100
253 111.6 16.0 24.0#
125 172.3 8.0 12.0#



#38
Dibenzo(a,h)anthracene
Concen: Below Cal
RT: 25.52 min Scan# 2849
Delta R.T. 0.00 min
Lab File: BE097442.D
Acq: 10 Sep 2018 10:47

Tgt Ion:278 Resp: 35
Ion Ratio Lower Upper
278 100
139 150.8 16.0 24.0#
279 107.7 20.0 30.0#





#39

Benzo(a,h,i)perylene

Concen: Below Cal

RT: 26.21 min Scan# 3041

Delta R.T. 0.01 min

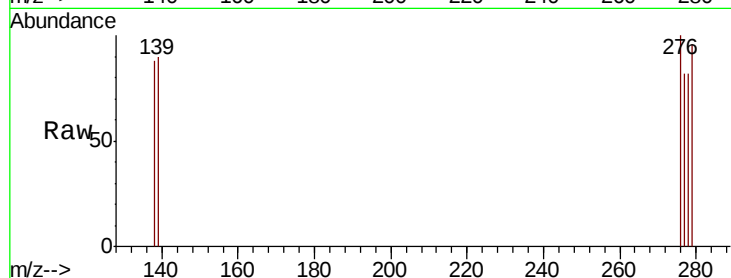
Lab File: BE097442.D

Acq: 10 Sep 2018 10:47

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 35

Ion Ratio Lower Upper

276 100

277 82.1 16.0 24.0#

138 88.1 20.0 30.0#

