

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091018\
 Data File : BE097444.D
 Acq On : 10 Sep 2018 12:07
 Operator : SJ/JU
 Sample : J4794-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 13:25:04 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	802	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3642	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2491	0.40	ng	-0.01
19) Phenanthrene-d10	16.75	188	7487	0.40	ng	-0.01
27) Chrysene-d12	20.97	240	8324	0.40	ng	0.00
34) Perylene-d12	23.20	264	8498	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	517	0.22	ng	-0.01
5) Phenol-d6	6.60	99	332	0.10	ng	0.00
8) Nitrobenzene-d5	8.52	82	1228	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2587	0.51	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	472	0.56	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	4637	0.51	ng	0.00
25) Fluoranthene-d10	18.80	212	44868	0.52	ng	0.00
29) Terphenyl-d14	19.42	244	8438	0.55	ng	0.00

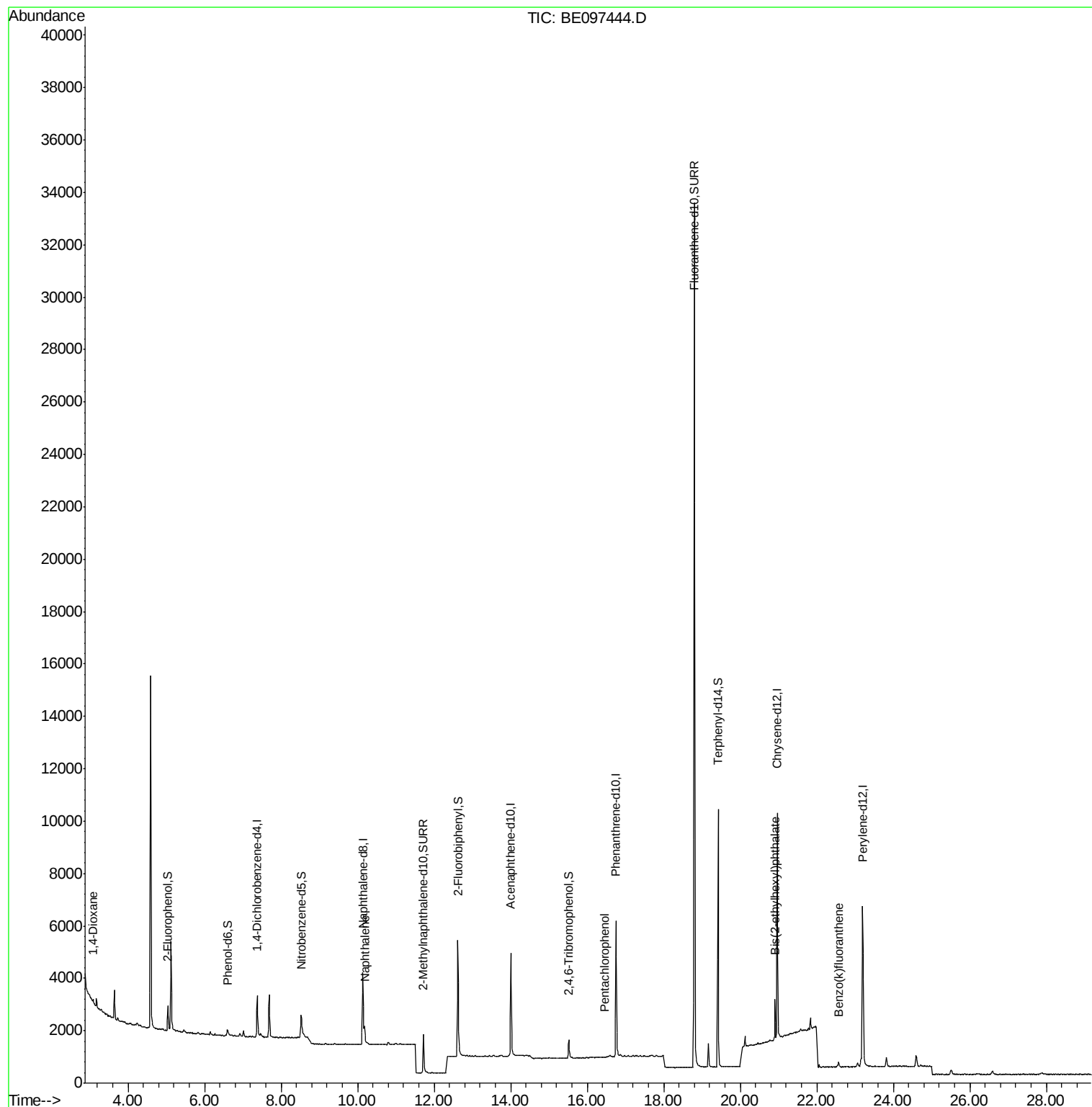
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.08	88	79	0.055	ng	# 16
9) Naphthalene	10.19	128	1065	0.032	ng	# 80
22) Pentachlorophenol	16.45	266	6	0.206	ng	# 94
32) Bis(2-ethylhexyl)phthalate	20.91	149	1736	0.147	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.50	276	47	Below Cal		# 1
36) Benzo(k)fluoranthene	22.58	252	65	0.023	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	57	Below Cal		# 1
39) Benzo(g,h,i)perylene	26.19	276	57	Below Cal		# 1

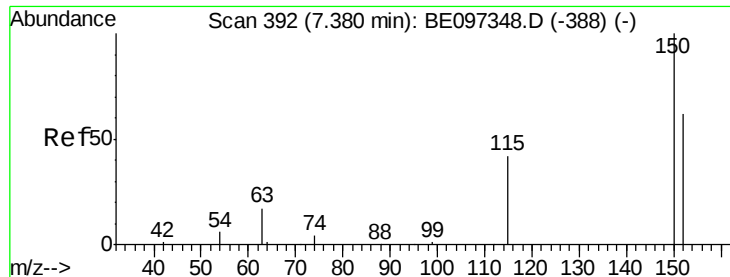
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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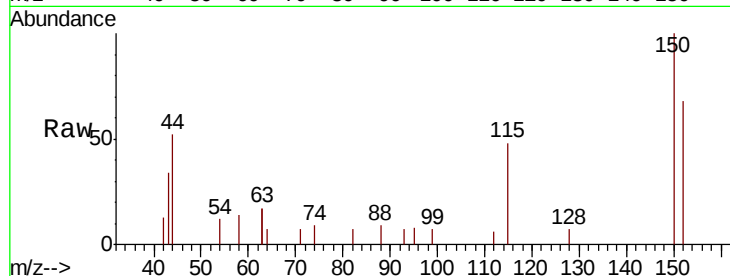


#1

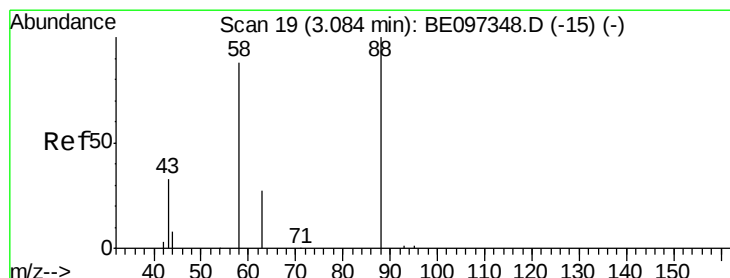
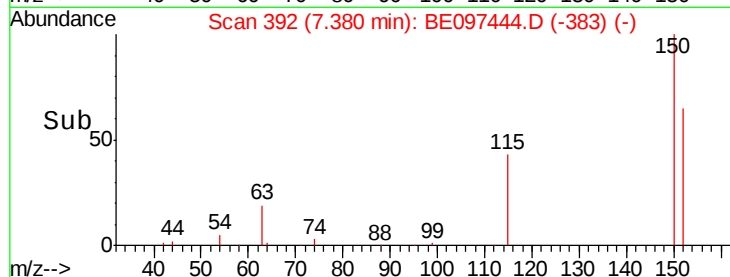
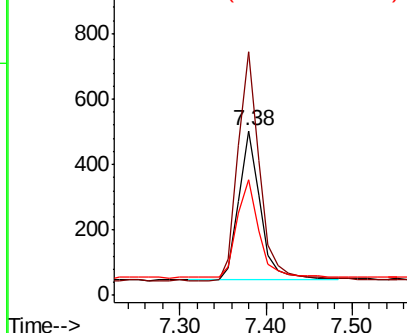
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097444.D
Acq: 10 Sep 2018 12:07

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 802
Ion Ratio Lower Upper
152 100
150 147.9 117.2 175.8
115 70.4 57.0 85.6



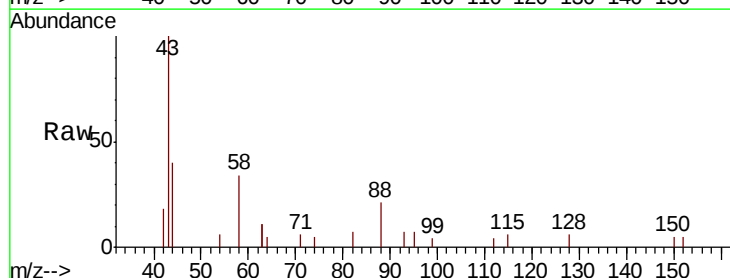
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



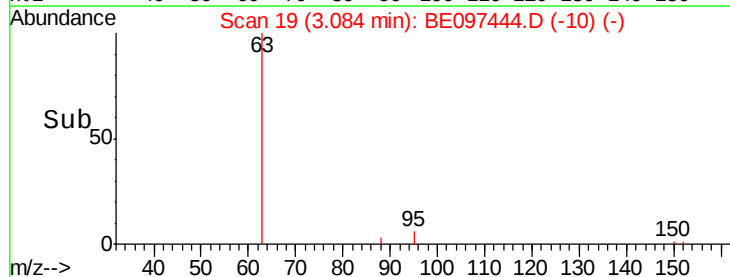
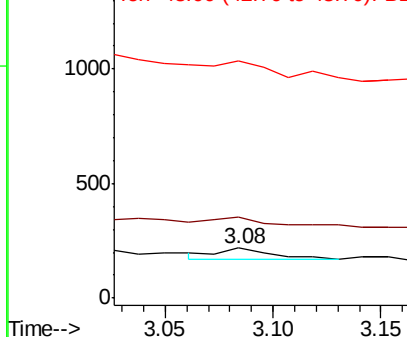
#2

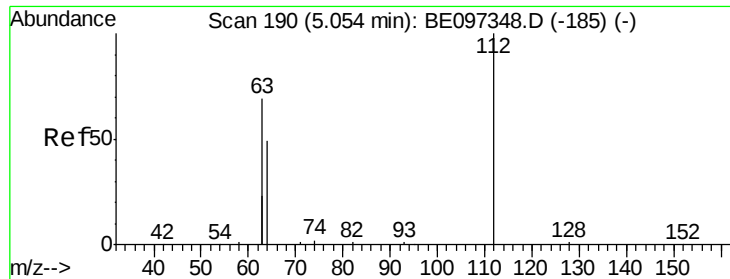
1,4-Dioxane
Concen: 0.055 ng
RT: 3.08 min Scan# 19
Delta R.T. -0.00 min
Lab File: BE097444.D
Acq: 10 Sep 2018 12:07

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
58 0.0 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: 0.218 ng

RT: 5.04 min Scan# 189

Delta R.T. -0.01 min

Lab File: BE097444.D

Acq: 10 Sep 2018 12:07

Instrument :

BNA_E

ClientSampleId :

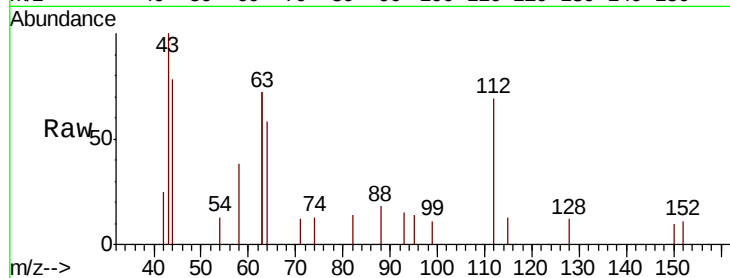
Tot Ion:112 Resp: 517

Ion Ratio Lower Upper

112 100

64 71.0 60.1 90.1

63 158.0 116.8 175.2



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

800

600

400

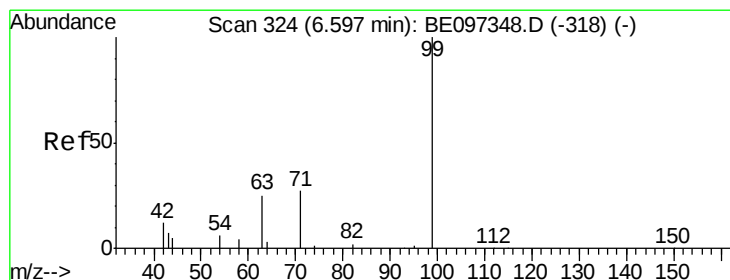
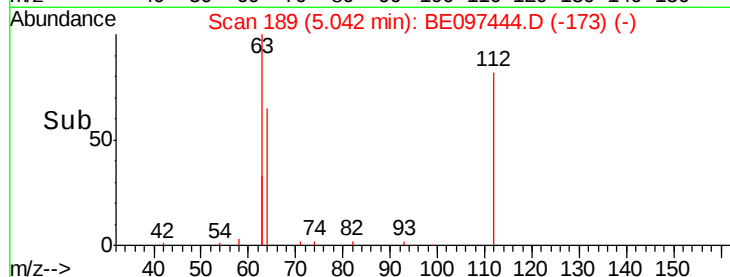
200

0

5.04

4.90 5.00 5.10 5.20

Time-->



#5

Phenol-d6

Concen: 0.105 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097444.D

Acq: 10 Sep 2018 12:07

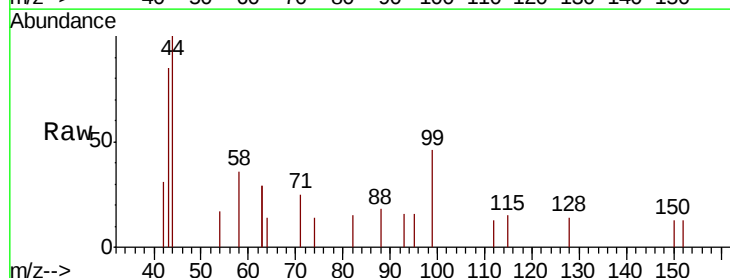
Tgt Ion: 99 Resp: 332

Ion Ratio Lower Upper

99 100

42 19.9 20.2 30.2#

71 39.8 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

200

150

100

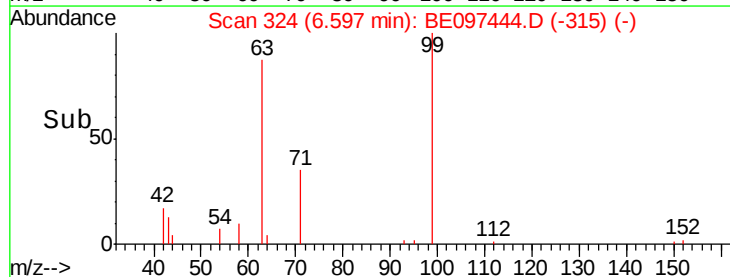
50

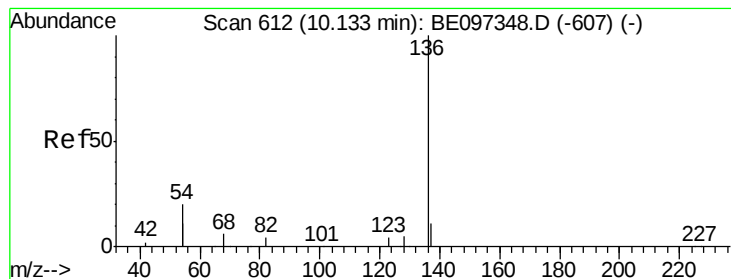
0

6.60

6.50 6.55 6.60 6.65 6.70

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097444.D

Acq: 10 Sep 2018 12:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3642

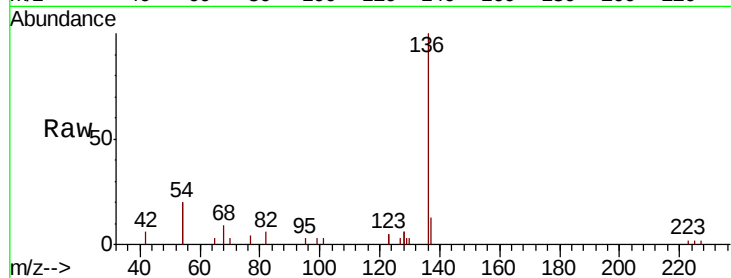
Ion Ratio Lower Upper

136 100

137 13.0 9.5 14.3

54 39.7 29.1 43.7

68 8.8 6.2 9.2

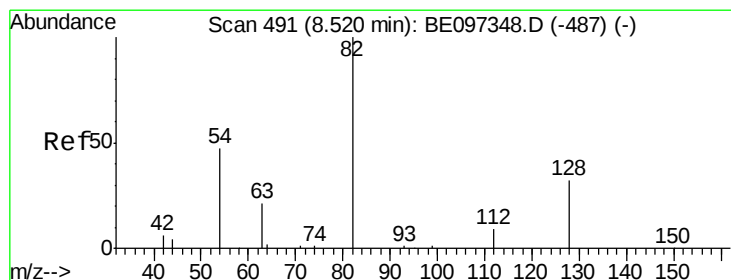
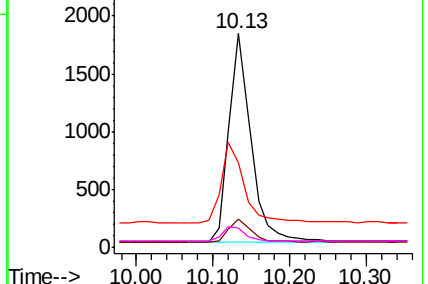
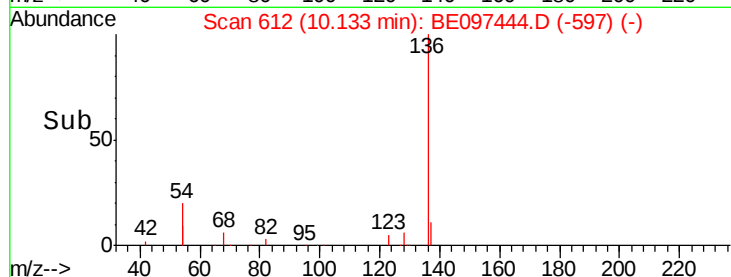


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.470 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097444.D

Acq: 10 Sep 2018 12:07

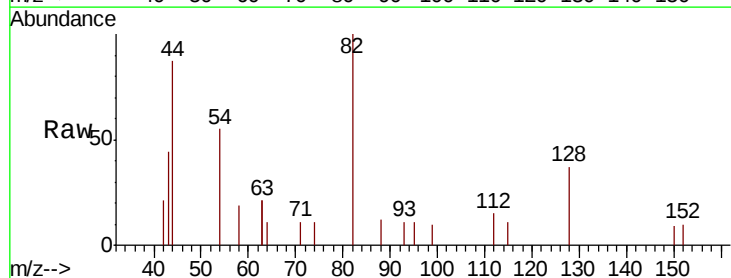
Tgt Ion: 82 Resp: 1228

Ion Ratio Lower Upper

82 100

128 37.5 24.0 36.0#

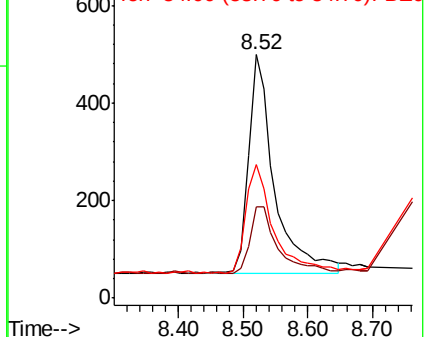
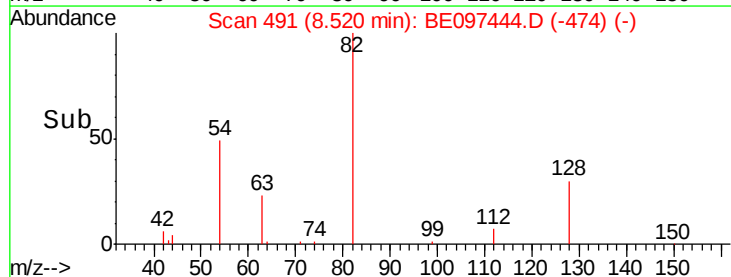
54 54.7 40.0 60.0

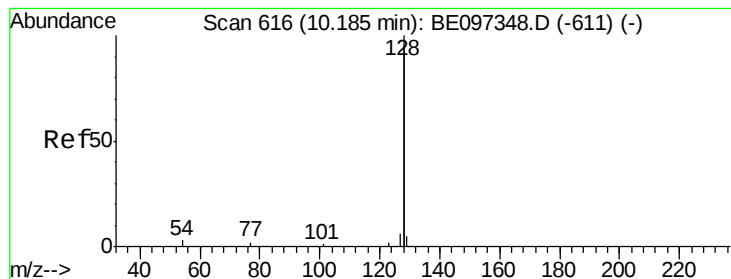


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.032 ng

RT: 10.19 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE097444.D

Acq: 10 Sep 2018 12:07

Instrument :

BNA_E

ClientSampleId :

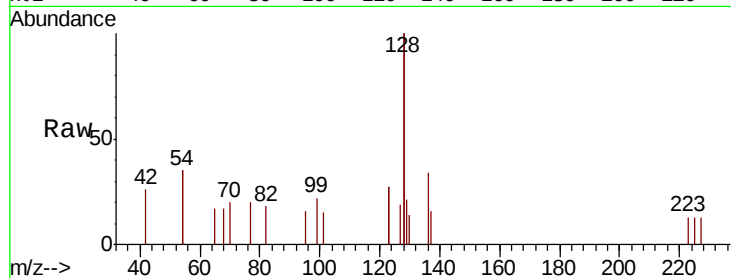
Tot Ion:128 Resp: 1065

Ion Ratio Lower Upper

128 100

129 10.6 2.6 3.8#

127 9.5 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.19

800

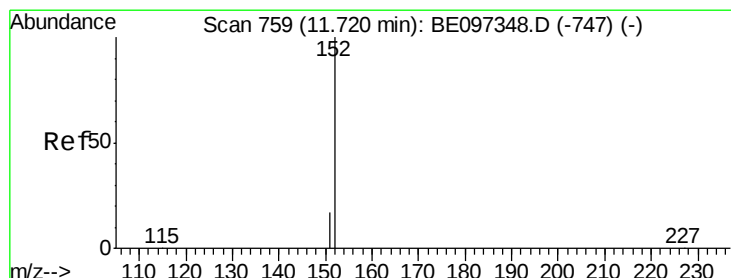
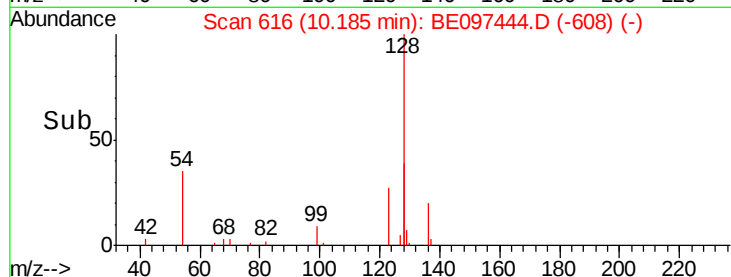
600

400

200

0

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.509 ng

RT: 11.72 min Scan# 759

Delta R.T. -0.00 min

Lab File: BE097444.D

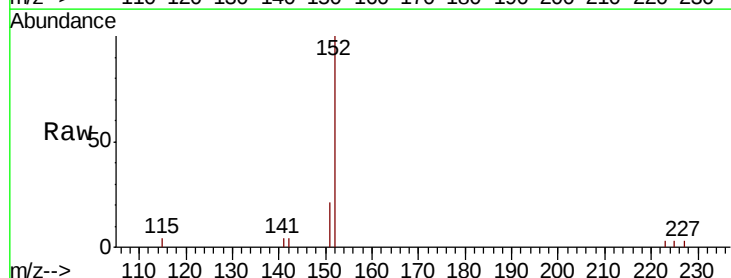
Acq: 10 Sep 2018 12:07

Tgt Ion:152 Resp: 2587

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

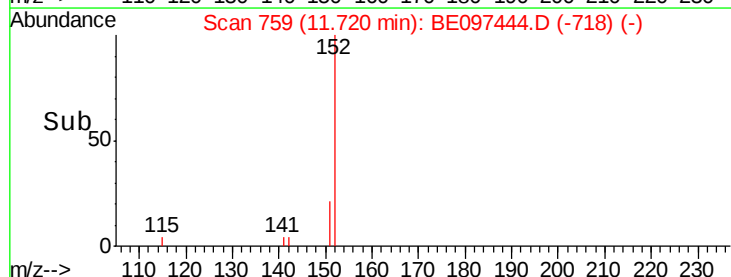
1500

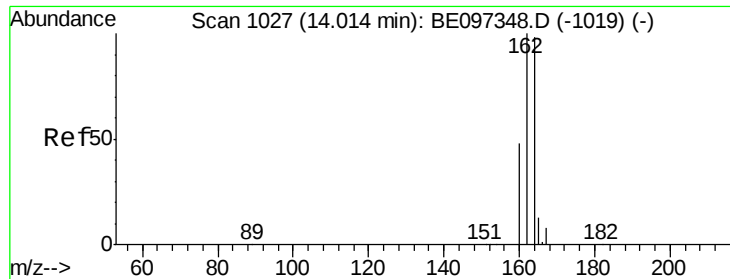
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BE097444.D

Acq: 10 Sep 2018 12:07

Instrument :

BNA_E

ClientSampleId :

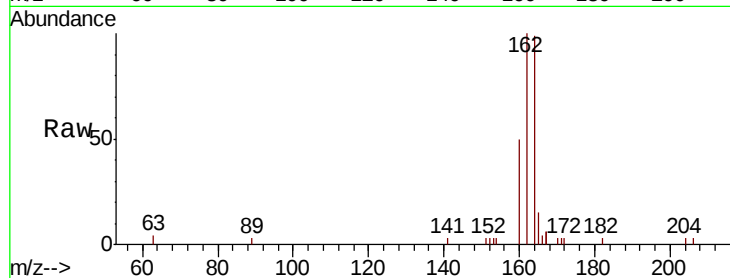
Tot Ion:164 Resp: 2491

Ion Ratio Lower Upper

164 100

162 101.4 83.1 124.7

160 50.4 37.1 55.7

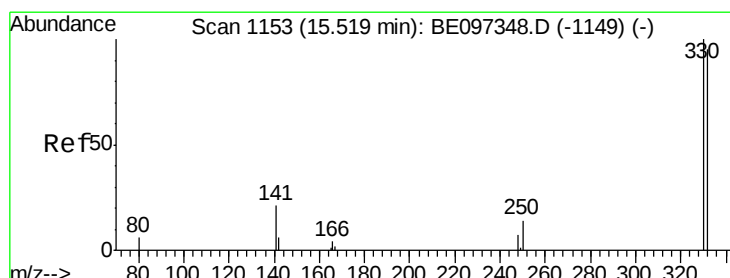
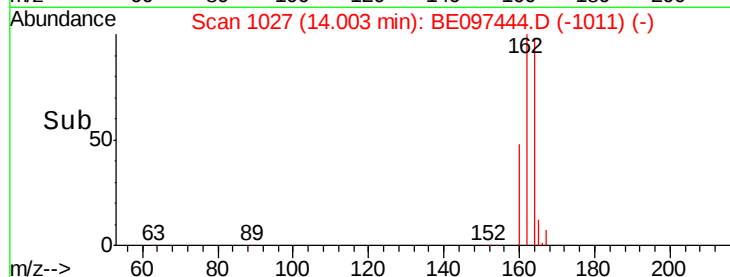
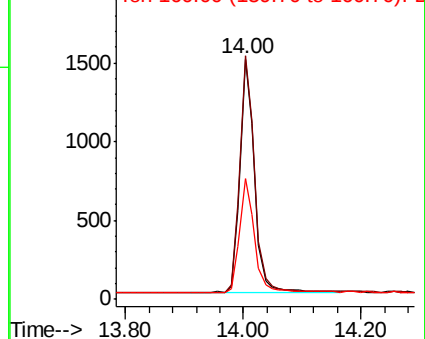


Abundance

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

2,4,6-Tribromophenol

Concen: 0.560 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097444.D

Acq: 10 Sep 2018 12:07

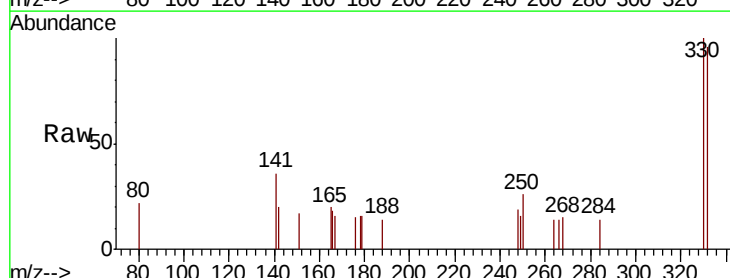
Tgt Ion:330 Resp: 472

Ion Ratio Lower Upper

330 100

332 97.2 152.7 229.1#

141 38.1 33.7 50.5

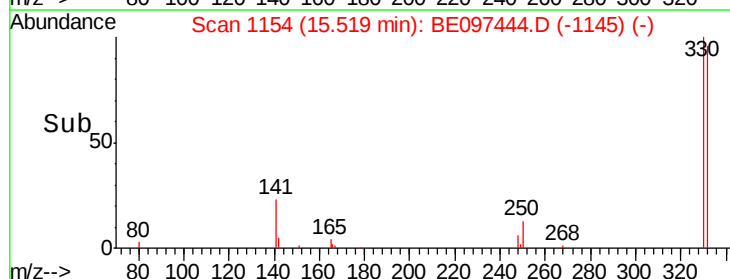
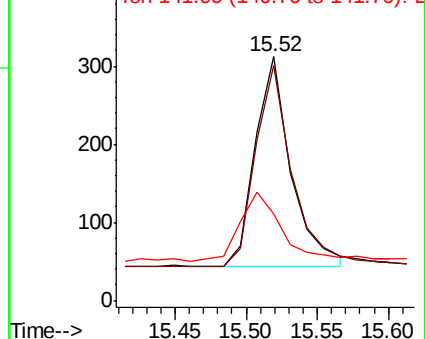


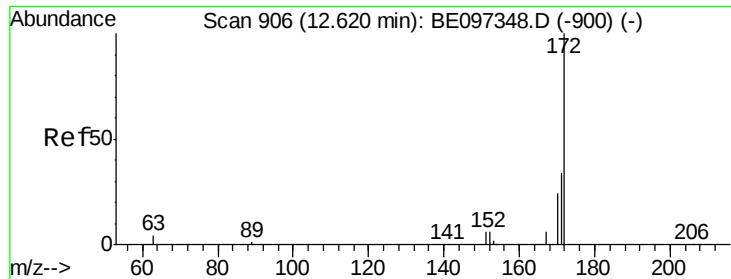
Abundance

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

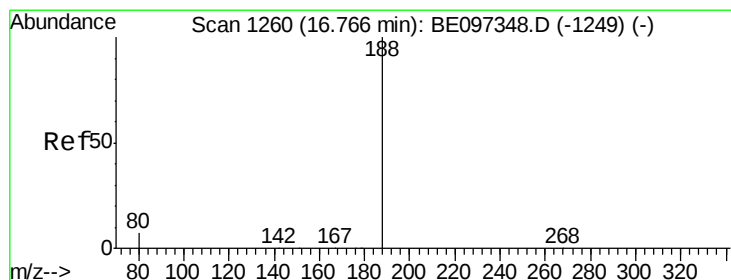
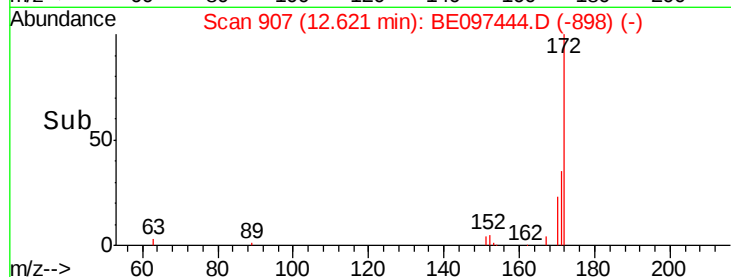
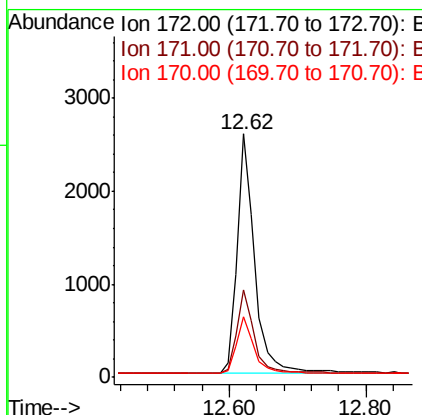
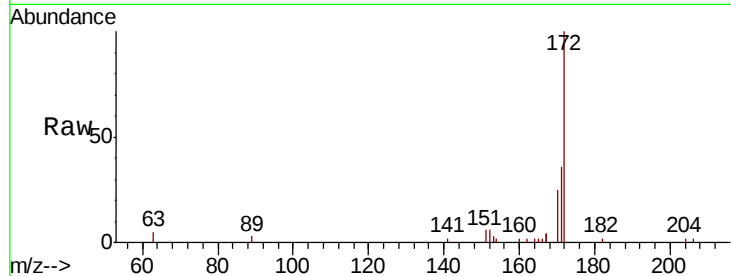




#15
2-Fluorobiphenyl
Concen: 0.507 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097444.D
Acq: 10 Sep 2018 12:07

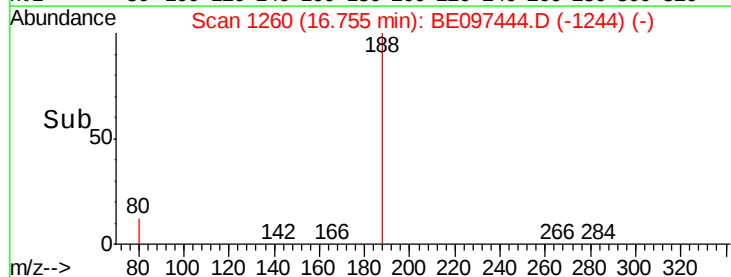
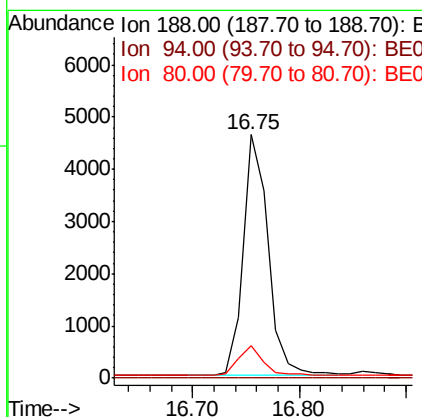
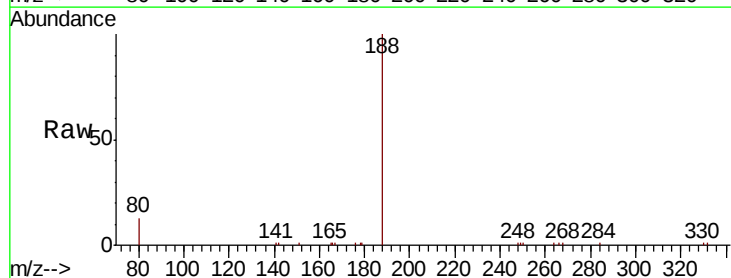
Instrument :
BNA_E
ClientSampleId :

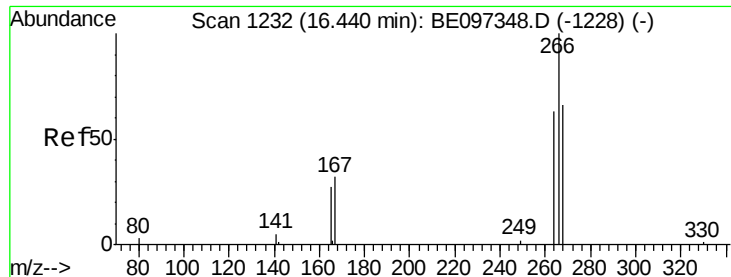
Tot Ion	Ion	Ratio	Lower	Upper
172	172	100		
171	171	36.0	29.9	44.9
170	170	24.8	21.8	32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BE097444.D
Acq: 10 Sep 2018 12:07

Tgt Ion	Ion	Ratio	Lower	Upper
188	188	100		
94	94	0.0	3.9	5.9#
80	80	13.3	3.6	5.4#

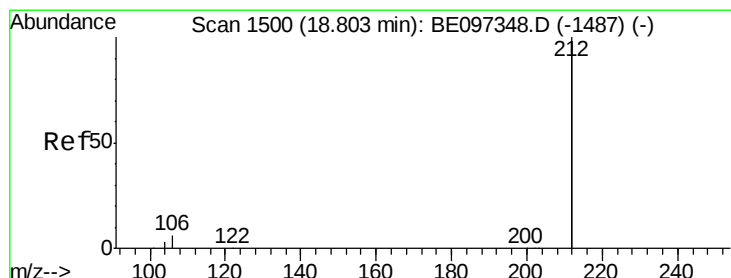
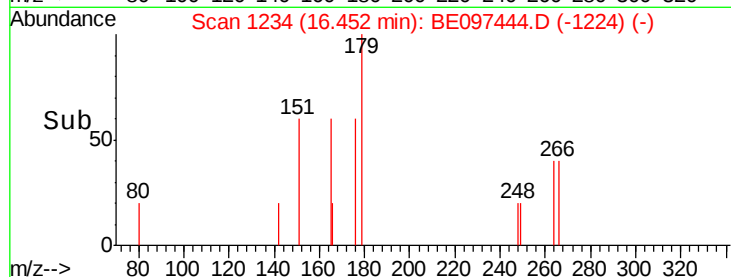
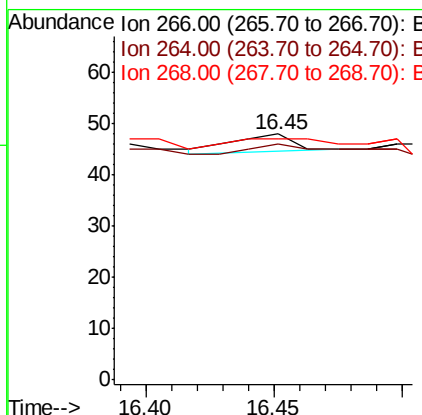
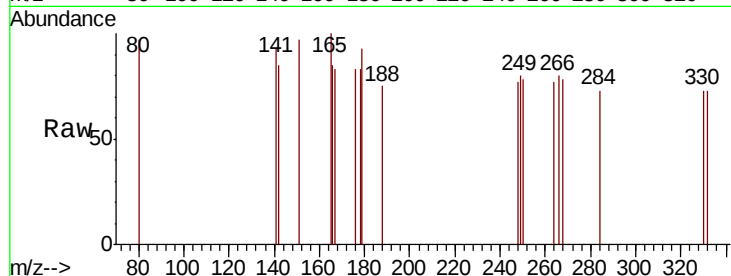




#22
 Pentachlorophenol
 Concen: 0.206 ng
 RT: 16.45 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: BE097444.D
 Acq: 10 Sep 2018 12:07

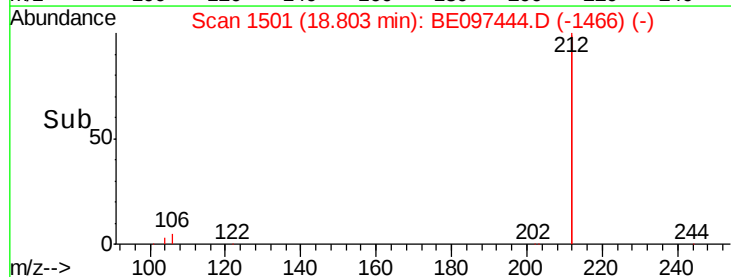
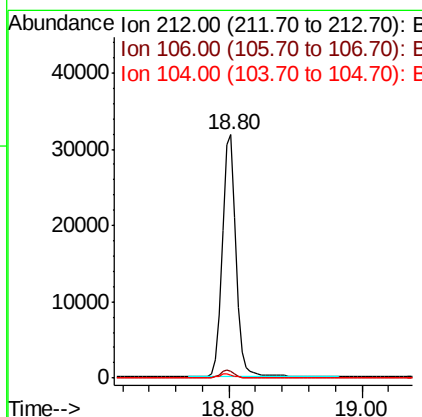
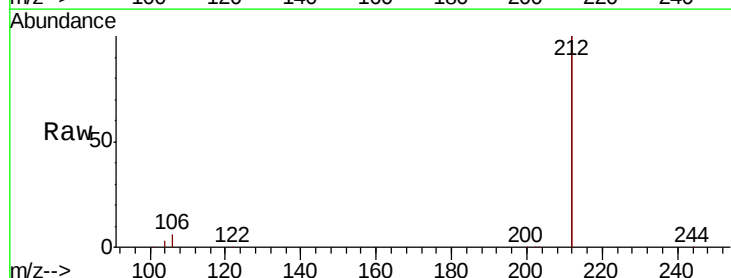
Instrument :
 BNA_E
 ClientSampleId :

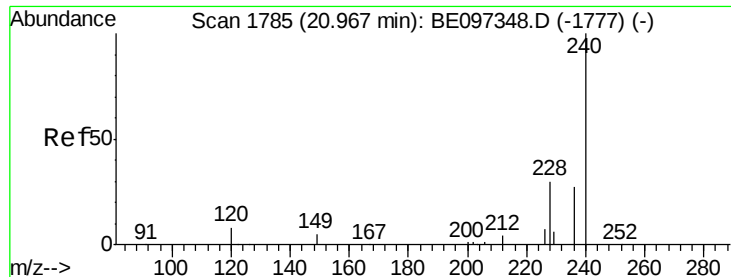
Tot Ion:266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 95.8 72.5 108.7
 268 97.9 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.522 ng
 RT: 18.80 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: BE097444.D
 Acq: 10 Sep 2018 12:07

Tgt Ion:212 Resp: 44868
 Ion Ratio Lower Upper
 212 100
 106 3.0 2.8 4.2
 104 1.7 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097444.D

Acq: 10 Sep 2018 12:07

Instrument :

BNA_E

ClientSampleId :

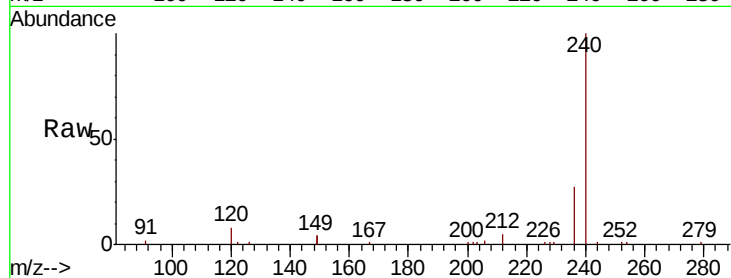
Tot Ion:240 Resp: 8324

Ion Ratio Lower Upper

240 100

120 8.0 5.5 8.3

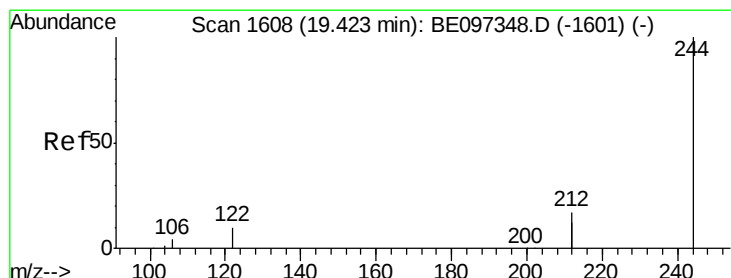
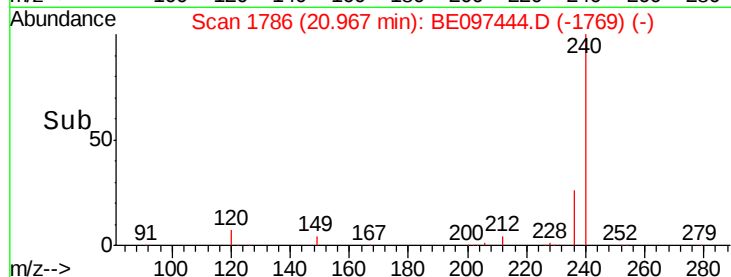
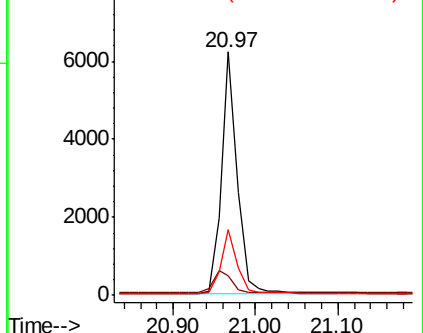
236 27.0 20.7 31.1



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: 0.549 ng

RT: 19.42 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BE097444.D

Acq: 10 Sep 2018 12:07

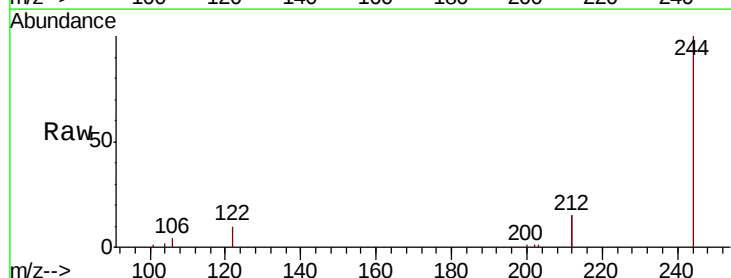
Tgt Ion:244 Resp: 8438

Ion Ratio Lower Upper

244 100

212 30.7 25.4 38.0

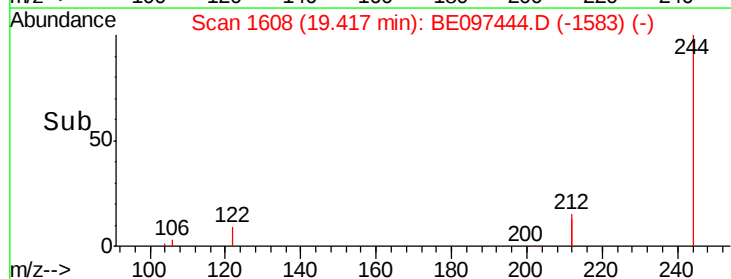
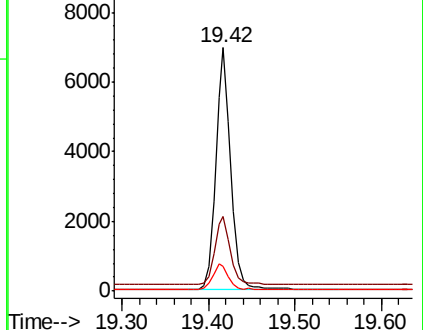
122 10.0 8.1 12.1

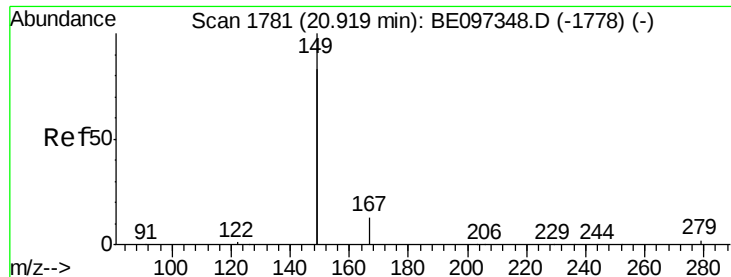


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

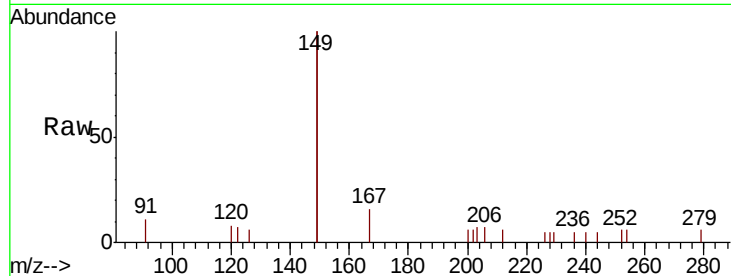




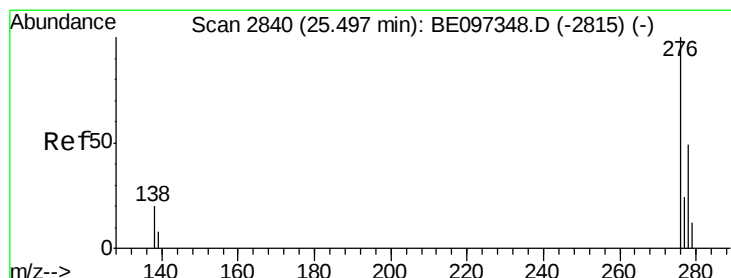
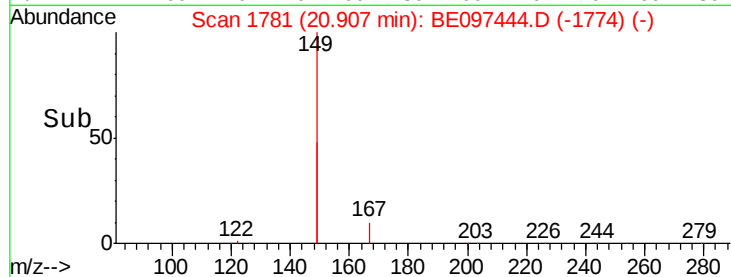
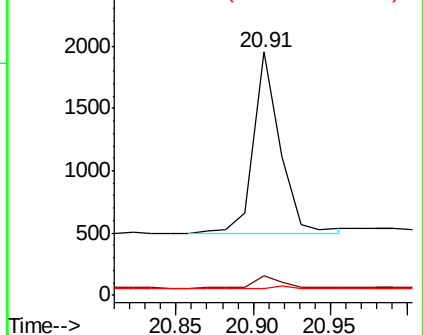
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.147 ng
 RT: 20.91 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BE097444.D
 Acq: 10 Sep 2018 12:07

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:149 Resp: 1736
 Ion Ratio Lower Upper
 149 100
 167 6.9 5.4 8.0
 279 1.3 0.7 1.1#

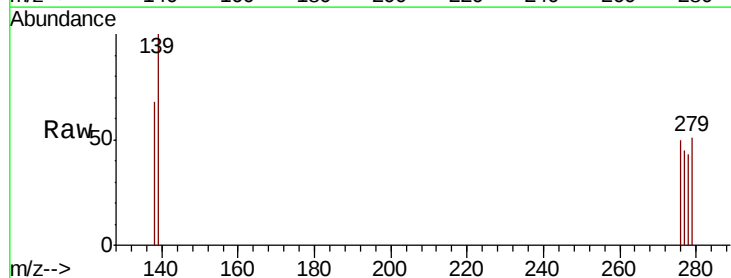


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

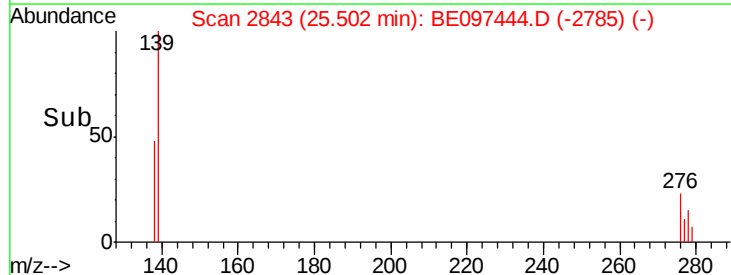
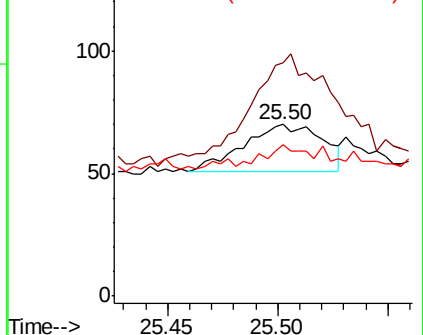


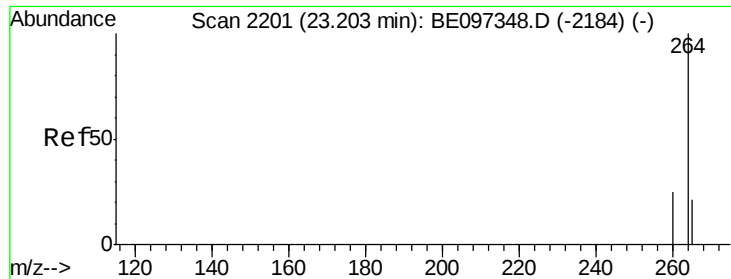
#33
 Indeno(1,2,3-cd)pyrene
 Concen: Below Cal
 RT: 25.50 min Scan# 2843
 Delta R.T. 0.01 min
 Lab File: BE097444.D
 Acq: 10 Sep 2018 12:07

Tgt Ion:276 Resp: 47
 Ion Ratio Lower Upper
 276 100
 138 283.0 22.5 33.7#
 277 23.4 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

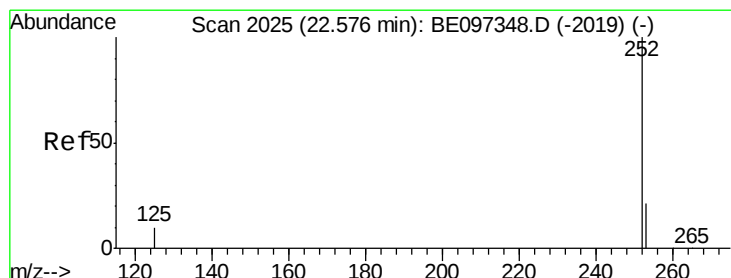
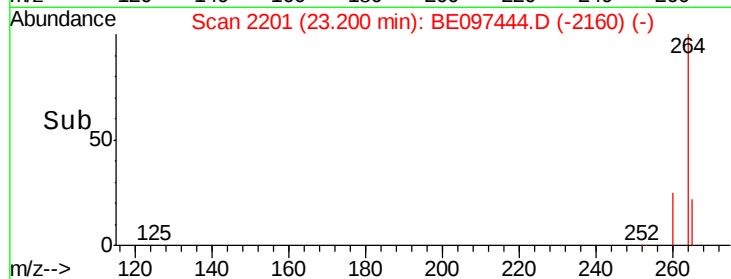
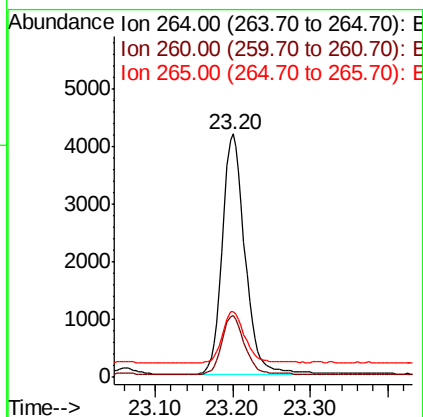
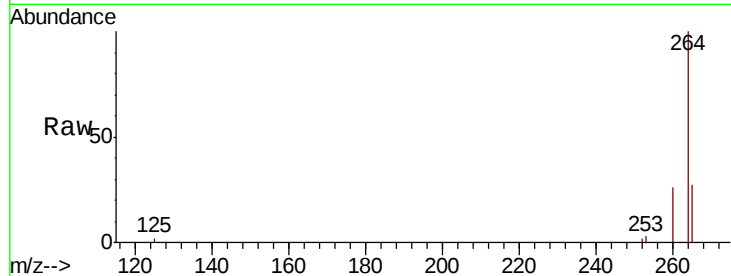




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.20 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BE097444.D
Acq: 10 Sep 2018 12:07

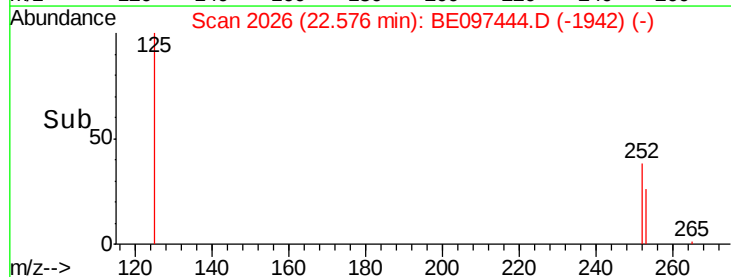
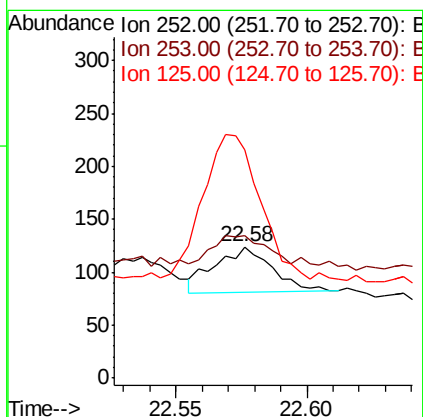
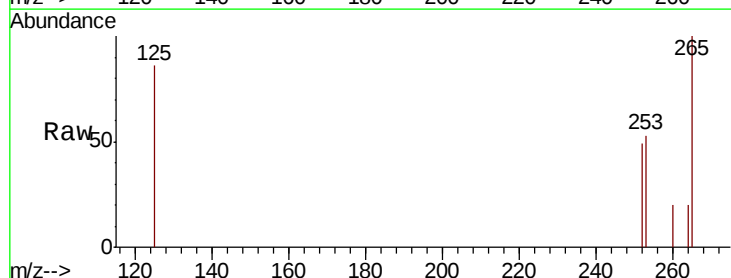
Instrument :
BNA_E
ClientSampleId :

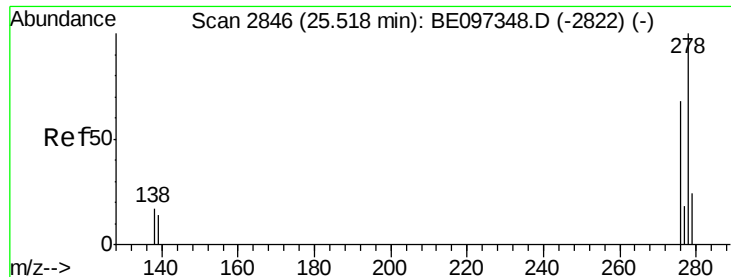
Tot Ion:264 Resp: 8498
Ion Ratio Lower Upper
264 100
260 25.6 20.5 30.7
265 27.2 22.8 34.2



#36
Benzo(k)fluoranthene
Concen: 0.023 ng
RT: 22.58 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BE097444.D
Acq: 10 Sep 2018 12:07

Tgt Ion:252 Resp: 65
Ion Ratio Lower Upper
252 100
253 108.1 16.0 24.0#
125 173.4 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: Below Cal

RT: 25.52 min Scan# 2849

Delta R.T. 0.01 min

Lab File: BE097444.D

Acq: 10 Sep 2018 12:07

Instrument :

BNA_E

ClientSampleId :

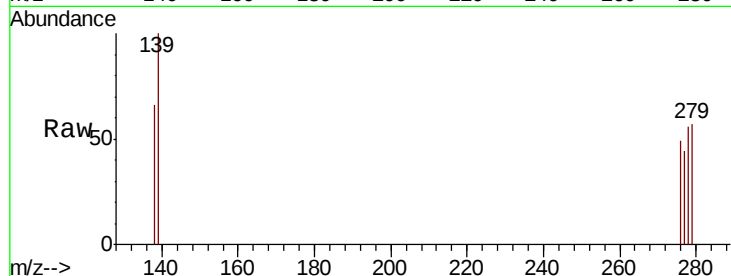
Tot Ion:278 Resp: 57

Ion Ratio Lower Upper

278 100

139 180.0 16.0 24.0#

279 102.9 20.0 30.0#

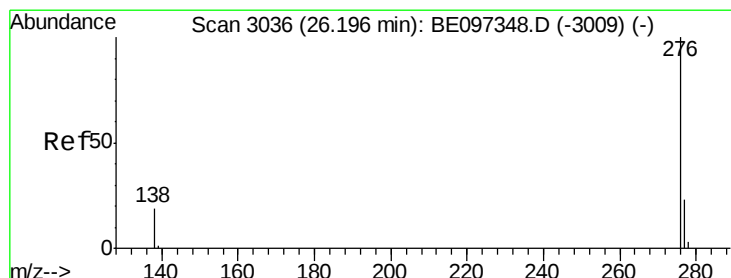
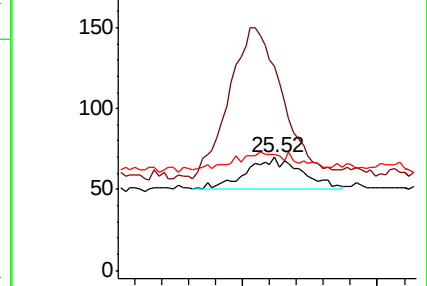
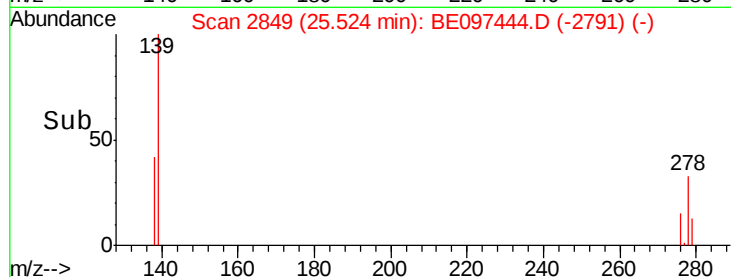


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.52



#39

Benzo(g,h,i)perylene

Concen: Below Cal

RT: 26.19 min Scan# 3035

Delta R.T. -0.01 min

Lab File: BE097444.D

Acq: 10 Sep 2018 12:07

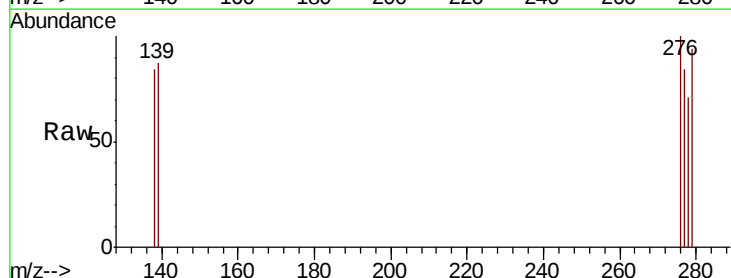
Tgt Ion:276 Resp: 57

Ion Ratio Lower Upper

276 100

277 84.1 16.0 24.0#

138 84.1 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

26.19

