

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097442.D
 Acq On : 7 Aug 2017 21:20
 Operator : SJ/JU
 Sample : I4623-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-WE

Quant Time: Aug 08 04:49:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

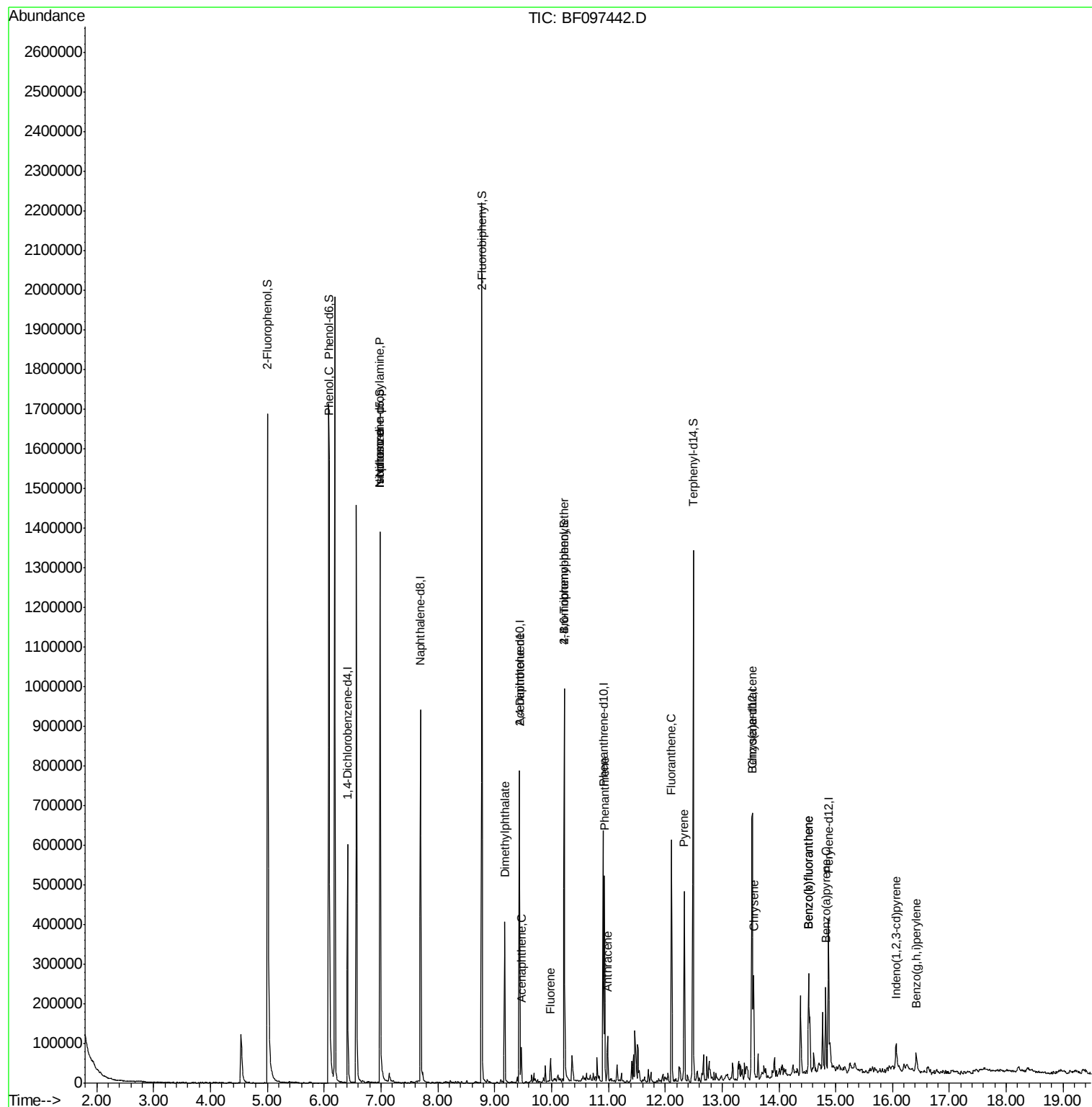
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	89030	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	410322	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	146575	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	205864	20.00	ng	0.00
75) Chrysene-d12	13.53	240	191356	20.00	ng	0.00
86) Perylene-d12	14.87	264	158956	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	579258	98.08	ng	0.00
7) Phenol-d6	6.08	99	657876	97.58	ng	0.00
23) Nitrobenzene-d5	6.98	82	456001	65.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.23	330	106594	92.04	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	680527	78.79	ng	0.00
78) Terphenyl-d14	12.49	244	403002	42.94	ng	0.00
Target Compounds						
10) Phenol	6.09	94	20549	2.57	ng	# 55
19) n-Nitroso-di-n-propylamine	6.98	70	60815	13.70	ng	# 83
25) Isophorone	6.98	82	455997	33.29	ng	# 67
49) Dimethylphthalate	9.17	163	160914	14.46	ng	98
51) Acenaphthene	9.47	154	19674	2.36	ng	96
56) 2,4-Dinitrotoluene	9.43	165	17615	6.49	ng	# 32
57) Fluorene	9.98	166	16970	2.04	ng	92
66) 4-Bromophenyl-phenylether	10.22	248	6928	3.37	ng	# 1
70) Phenanthrene	10.93	178	184624	16.74	ng	99
71) Anthracene	10.99	178	40555	3.59	ng	99
74) Fluoranthene	12.11	202	245006	22.67	ng	96
77) Pyrene	12.34	202	195094	12.45	ng	99
80) Benzo(a)anthracene	13.52	228	111887	9.04	ng	99
82) Chrysene	13.56	228	94486	7.82	ng	97
85) Indeno(1,2,3-cd)pyrene	16.06	276	34711	3.35	ng	98
87) Benzo(b)fluoranthene	14.53	252	154041	16.12	ng	# 96
88) Benzo(k)fluoranthene	14.53	252	154041	16.92	ng	97
89) Benzo(a)pyrene	14.82	252	79359	9.07	ng	99
91) Benzo(a,h,i)perylene	16.42	276	29837	3.97	ng	93

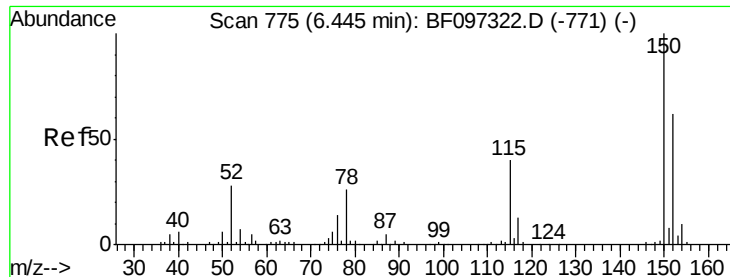
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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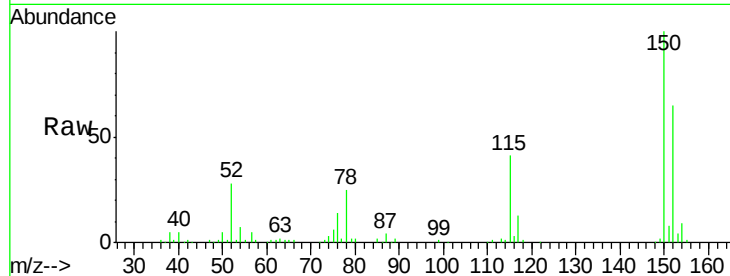


#1

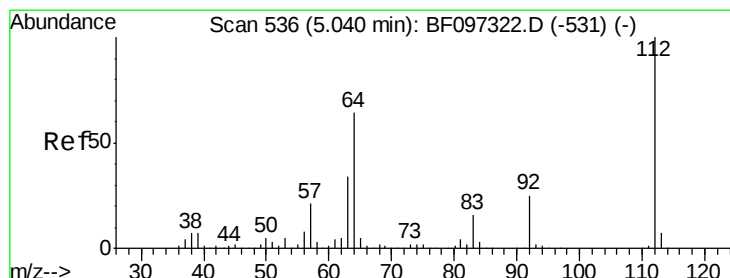
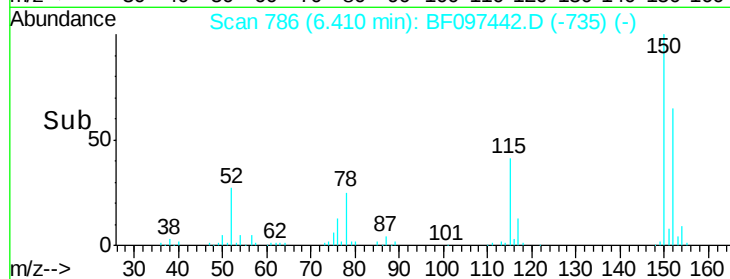
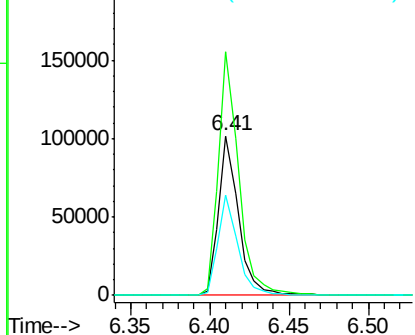
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Instrument :
BNA_F
ClientSampled :
TEC-WE

Tot Ion:152 Resp: 89030
Ion Ratio Lower Upper
152 100
150 153.0 126.2 189.2
115 62.8 52.2 78.2



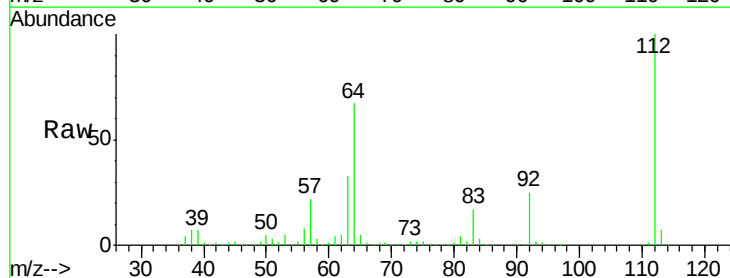
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



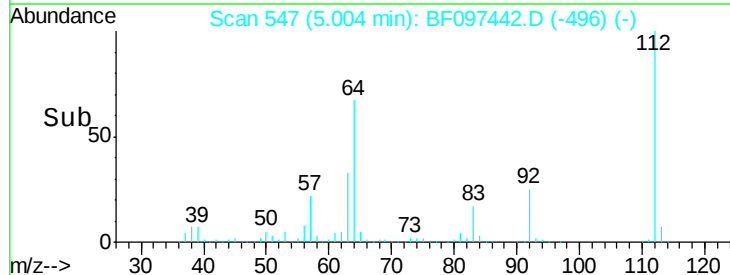
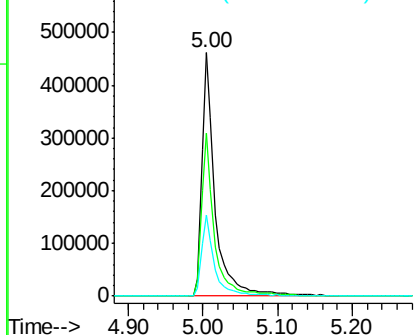
#5

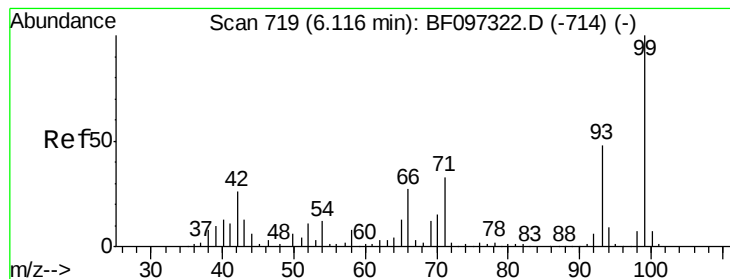
2-Fluorophenol
Concen: 98.08 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion:112 Resp: 579258
Ion Ratio Lower Upper
112 100
64 66.7 46.0 69.0
63 33.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.58 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Instrument :

BNA_F

ClientSampleId :

TEC-WE

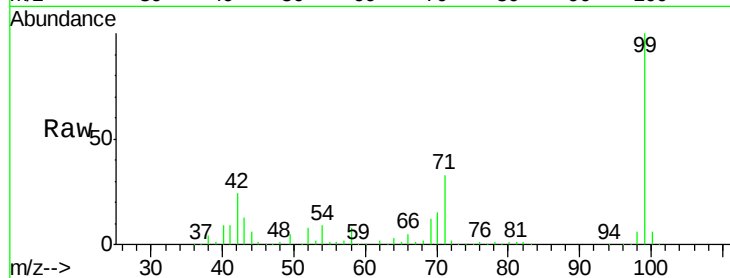
Tot Ion: 99 Resp: 657876

Ion Ratio Lower Upper

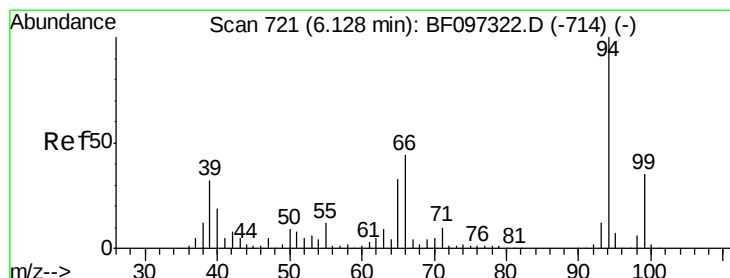
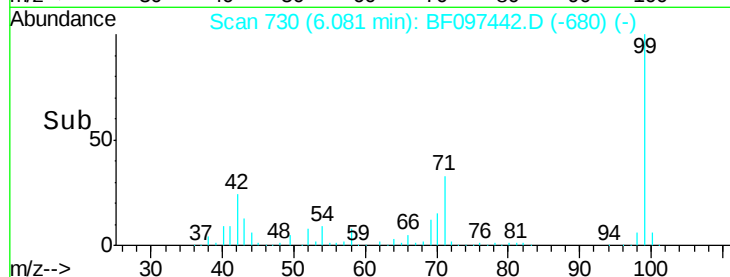
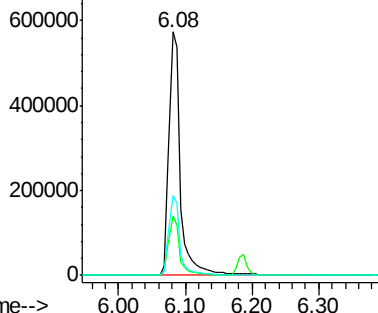
99 100

42 24.2 13.5 20.3#

71 32.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.57 ng

RT: 6.09 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

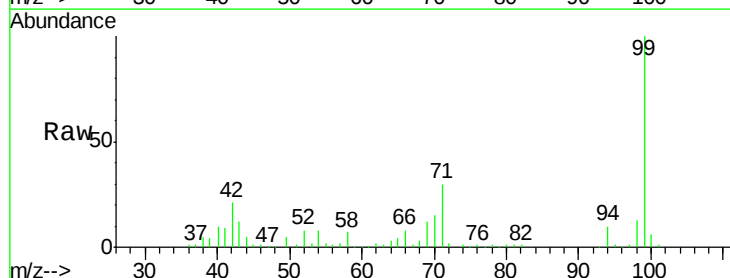
Tgt Ion: 94 Resp: 20549

Ion Ratio Lower Upper

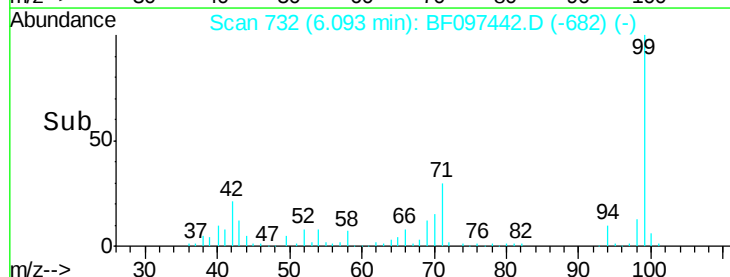
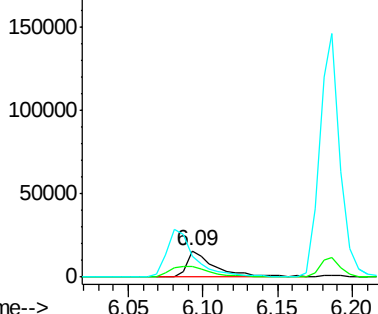
94 100

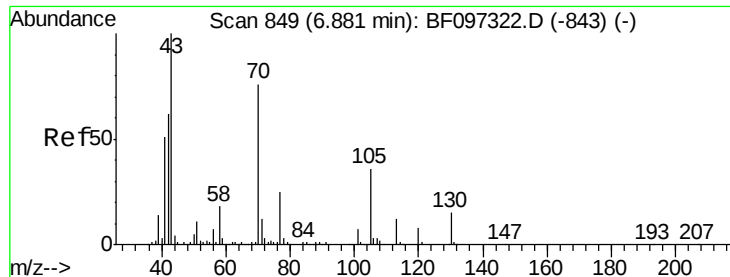
65 41.5 9.9 49.9

66 81.9 23.1 63.1#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

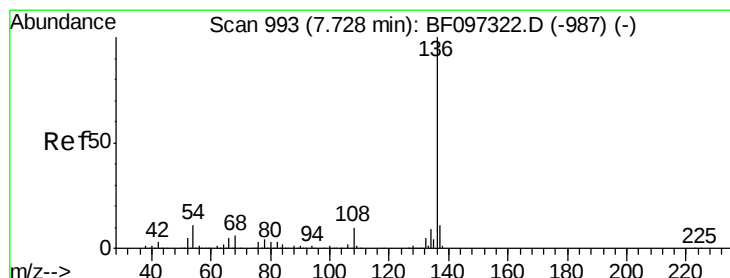
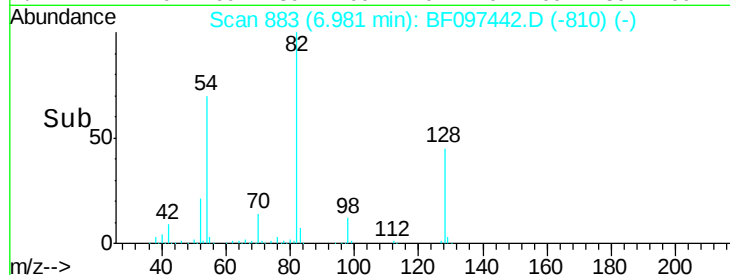
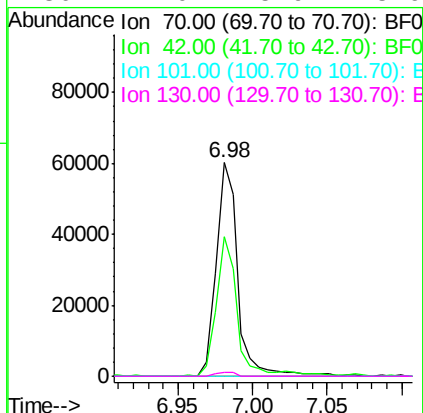
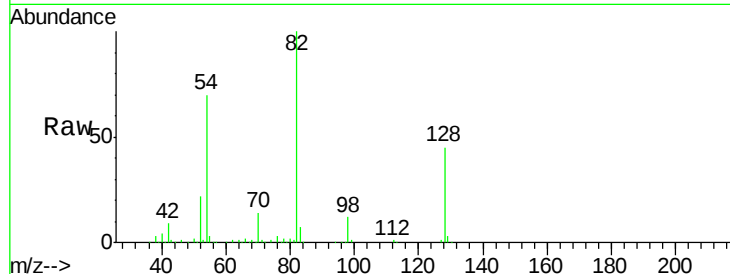




#19
n-Nitroso-di-n-propylamine
Concen: 13.70 ng
RT: 6.98 min Scan# 883
Delta R.T. 0.13 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

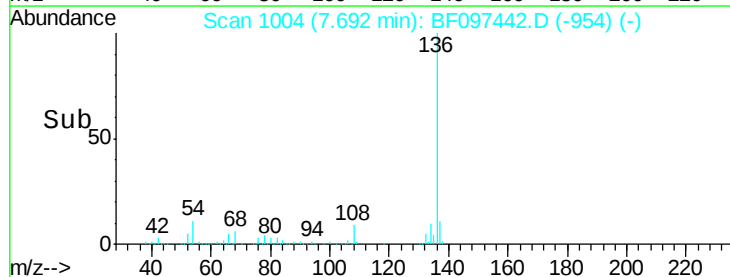
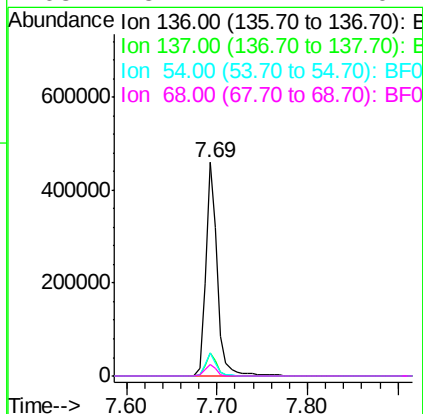
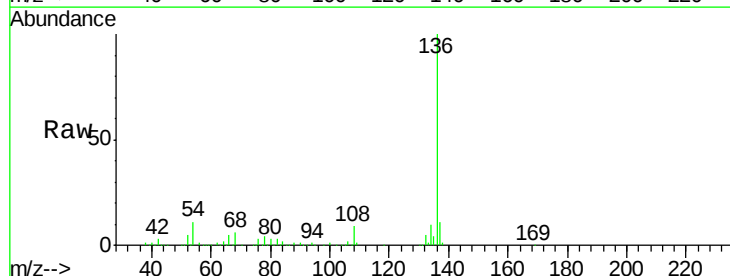
Instrument :
BNA_F
ClientSampleId :
TEC-WE

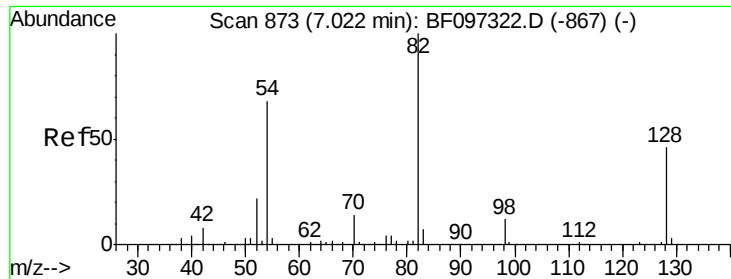
Tot Ion: 70 Resp: 60815
Ion Ratio Lower Upper
70 100
42 65.6 47.2 70.8
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.69 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion: 136 Resp: 410322
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.9 4.9 7.3#
68 5.7 4.1 6.1

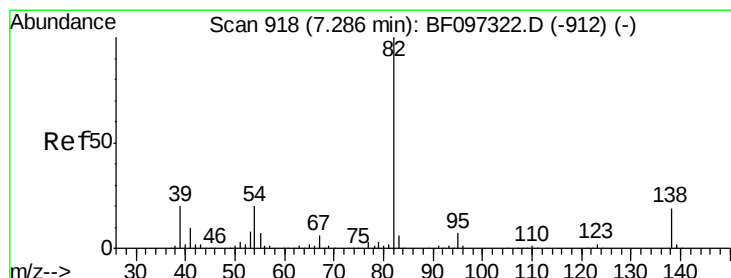
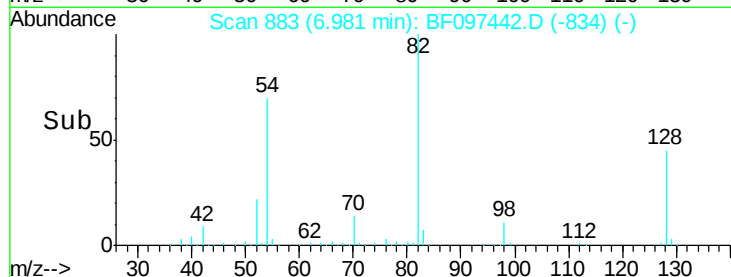
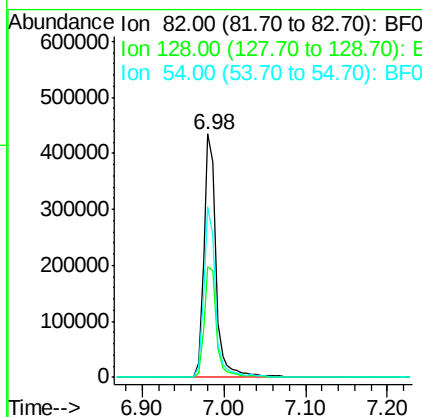
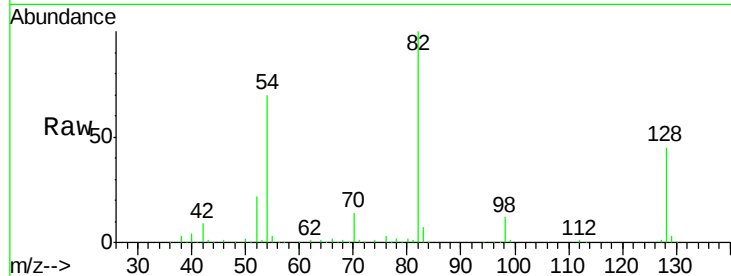




#23
 Nitrobenzene-d5
 Concen: 65.19 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

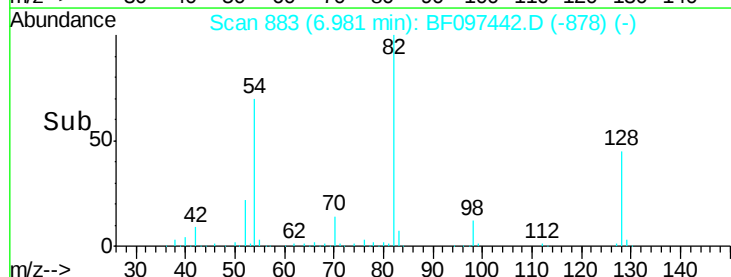
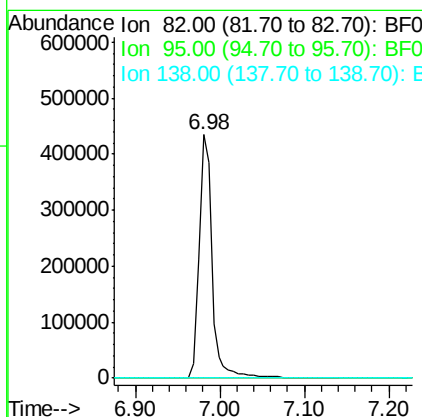
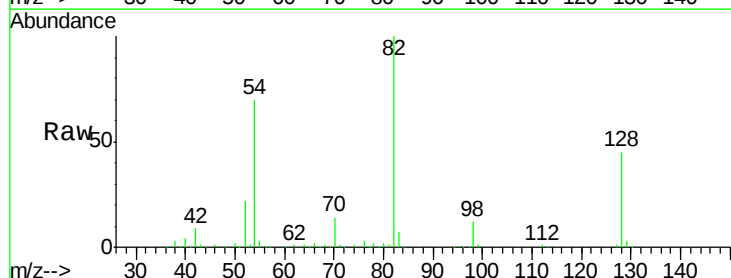
Instrument :
 BNA_F
 ClientSampleId :
 TEC-WE

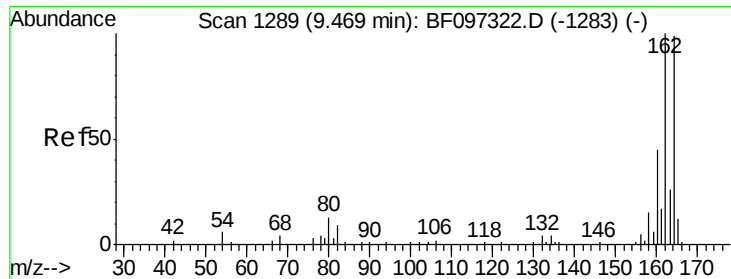
Tot Ion: 82 Resp: 456001
 Ion Ratio Lower Upper
 82 100
 128 45.1 34.0 51.0
 54 69.9 42.2 63.2#



#25
 Isophorone
 Concen: 33.29 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.27 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

Tgt Ion: 82 Resp: 455997
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

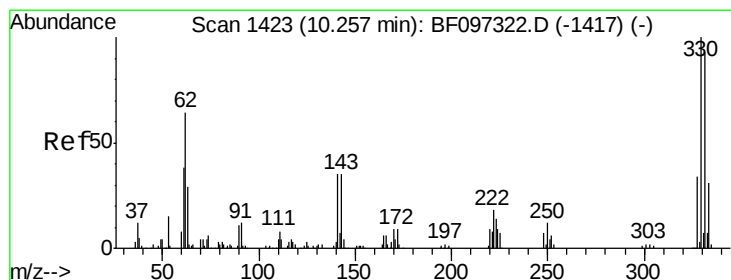
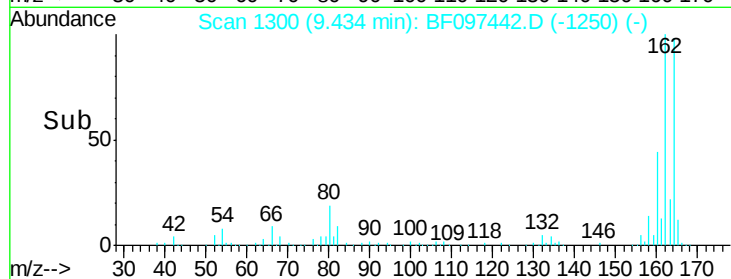
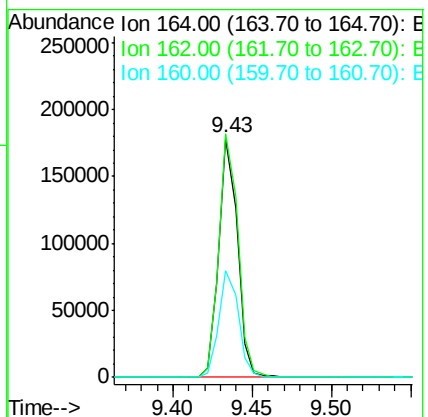
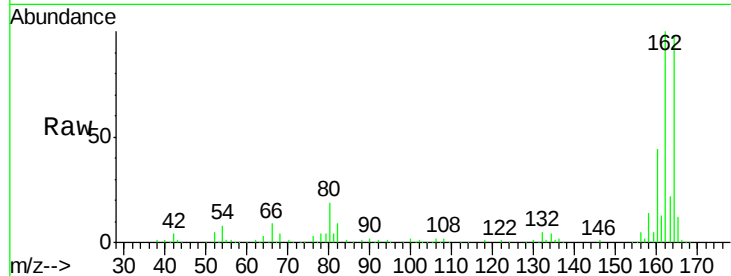




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

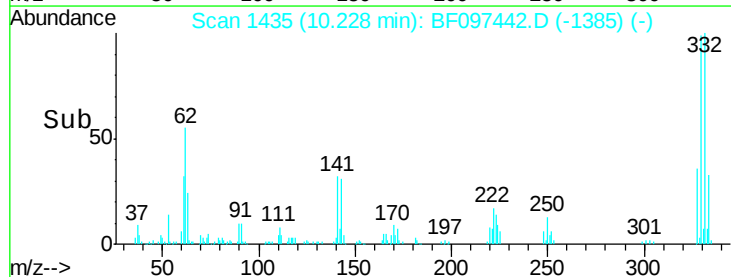
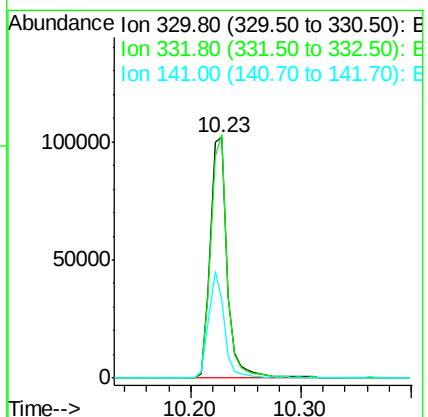
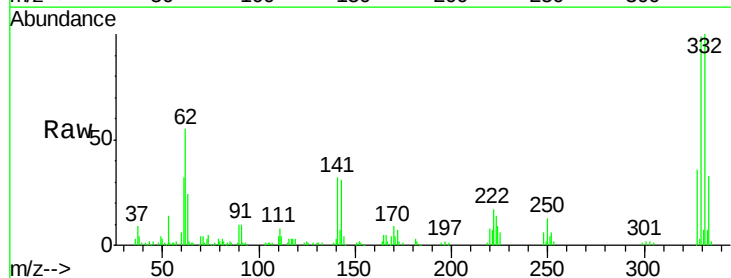
Instrument :
BNA_F
ClientSampleId :
TEC-WE

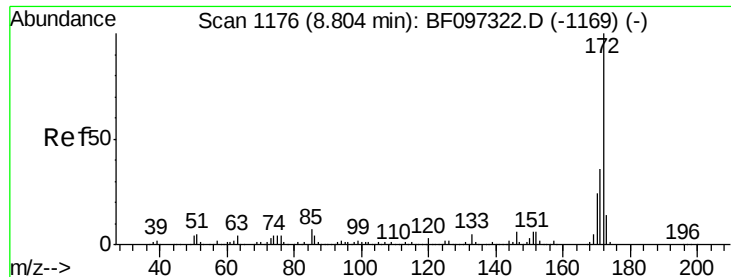
Tot Ion:164 Resp: 146575
Ion Ratio Lower Upper
164 100
162 101.9 82.6 123.8
160 44.7 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 92.04 ng
RT: 10.23 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion:330 Resp: 106594
Ion Ratio Lower Upper
330 100
332 96.7 76.6 115.0
141 40.0 31.4 47.2

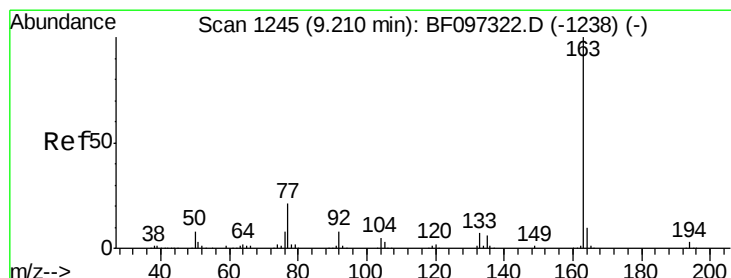
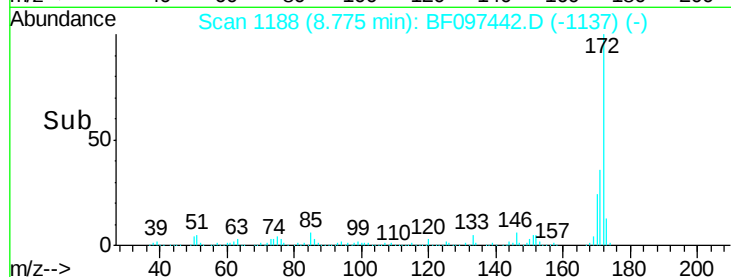
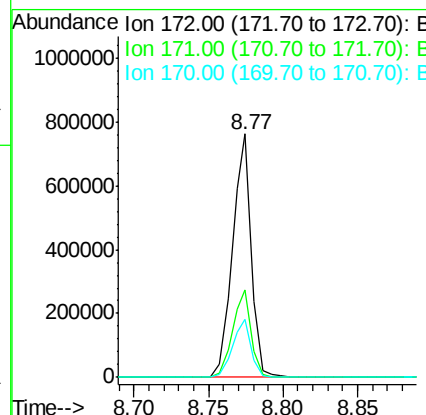
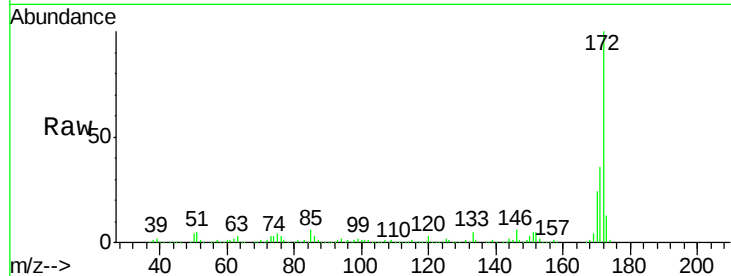




#44
2-Fluorobiphenyl
Concen: 78.79 ng
RT: 8.77 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

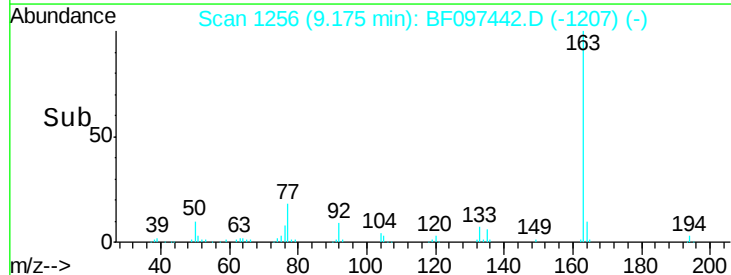
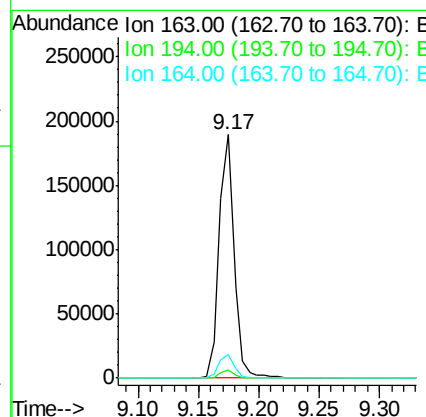
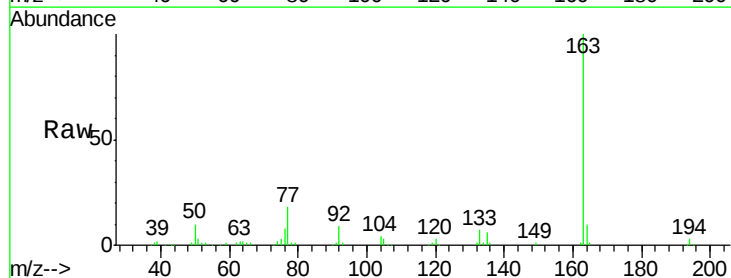
Instrument :
BNA_F
ClientSampleId :
TEC-WE

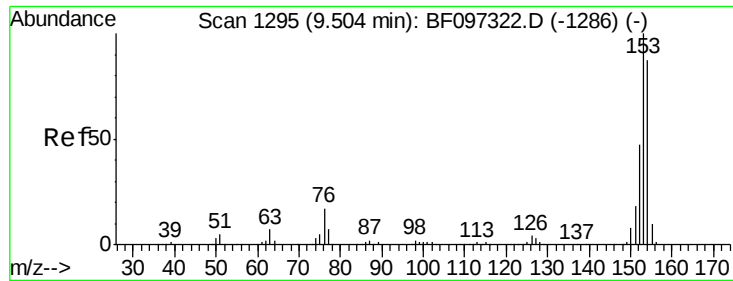
Tot Ion:172 Resp: 680527
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 24.1 19.8 29.8



#49
Dimethylphthalate
Concen: 14.46 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion:163 Resp: 160914
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.6 8.4 12.6





#51

Acenaphthene

Concen: 2.36 ng

RT: 9.47 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Instrument :

BNA_F

ClientSampleId :

TEC-WE

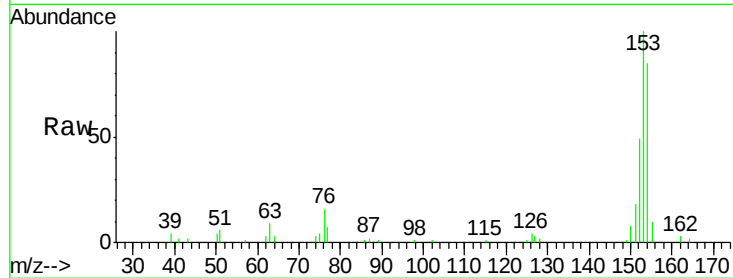
Tot Ion:154 Resp: 19674

Ion Ratio Lower Upper

154 100

153 117.5 90.5 135.7

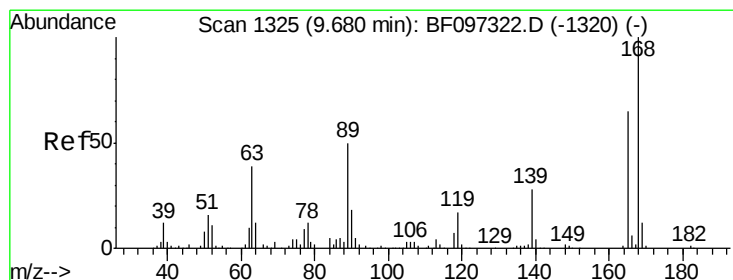
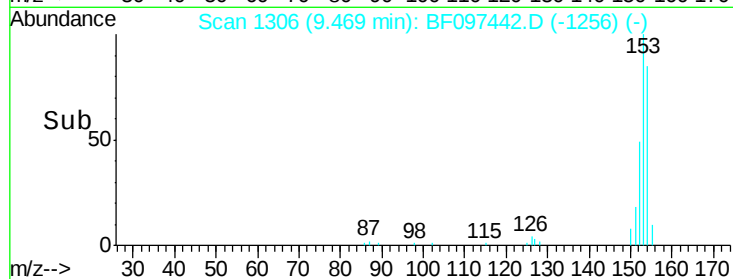
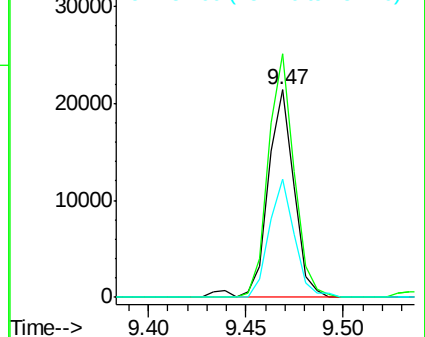
152 57.3 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 6.49 ng

RT: 9.43 min Scan# 1300

Delta R.T. -0.23 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Tgt Ion:165 Resp: 17615

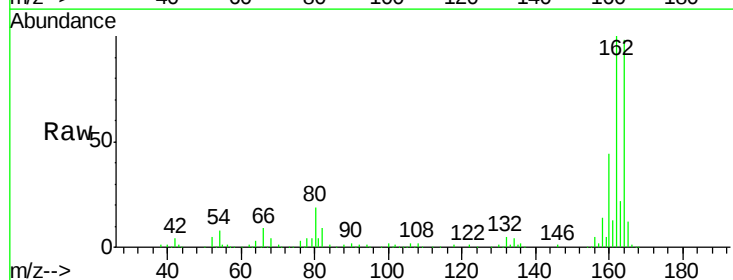
Ion Ratio Lower Upper

165 100

63 1.7 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

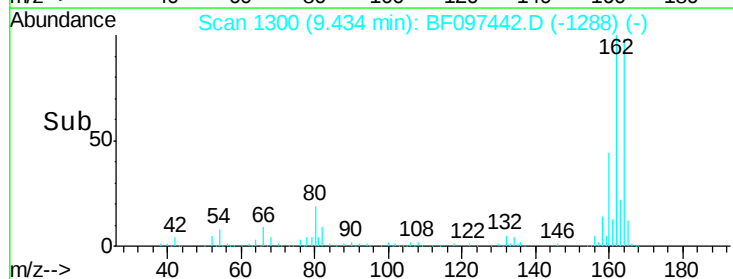
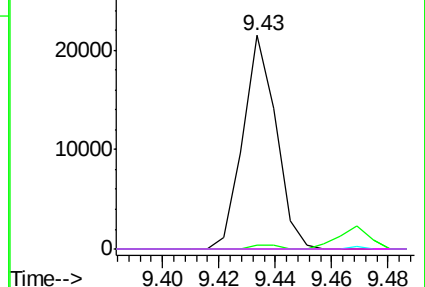


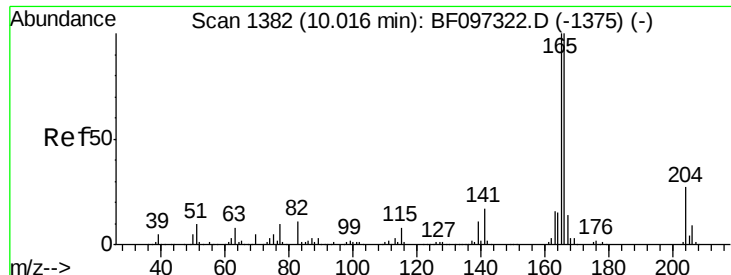
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

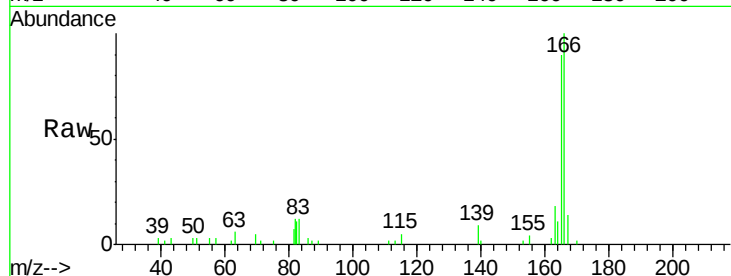




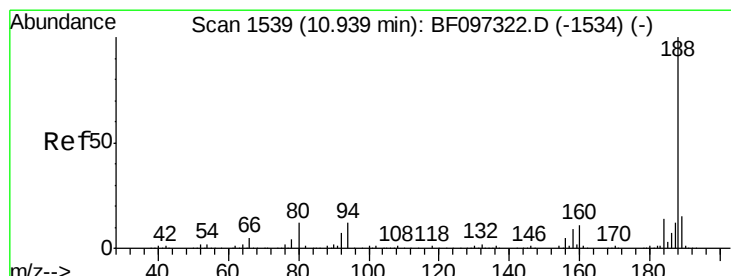
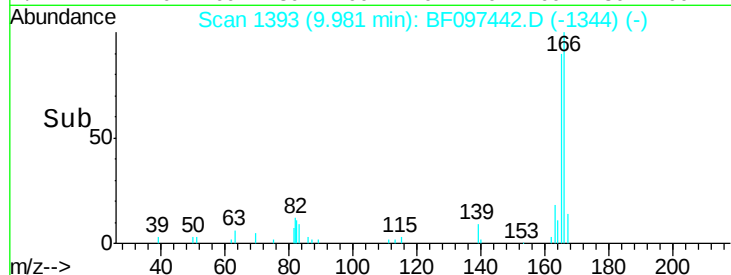
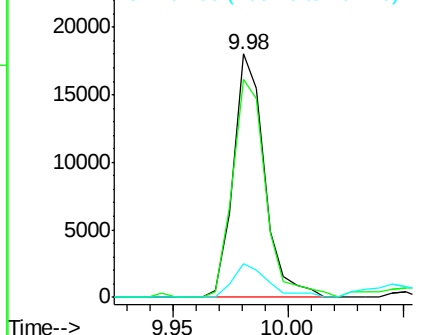
#57
Fluorene
 Concen: 2.04 ng
 RT: 9.98 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

Instrument :
 BNA_F
 ClientSampleId :
 TEC-WE

Tot Ion:166 Resp: 16970
 Ion Ratio Lower Upper
 166 100
 165 89.7 78.8 118.2
 167 14.0 10.6 16.0

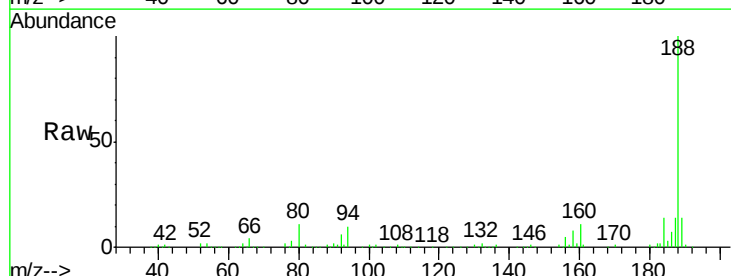


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

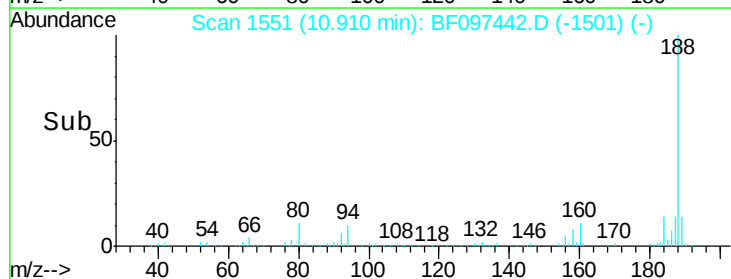
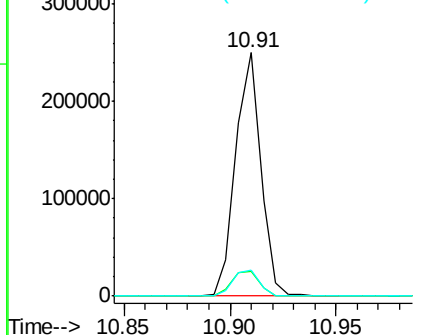


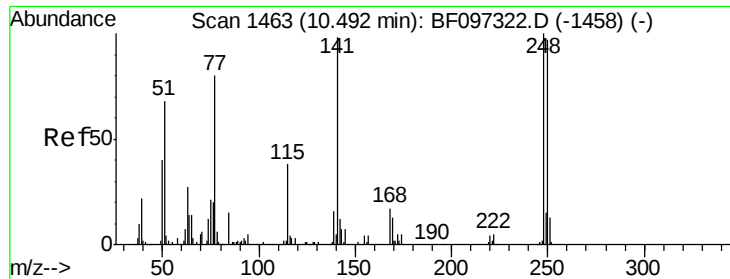
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

Tgt Ion:188 Resp: 205864
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.4 14.2
 80 10.6 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

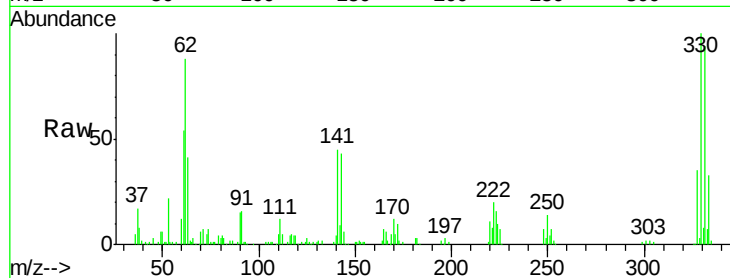




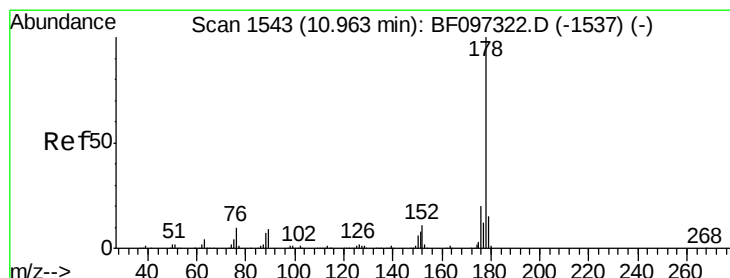
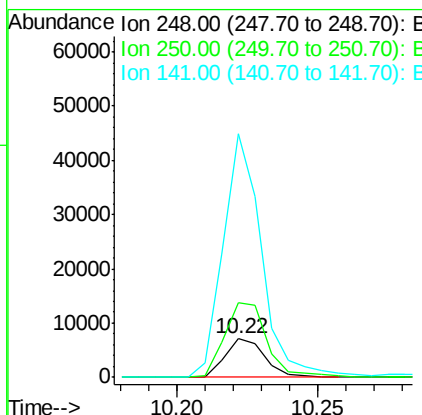
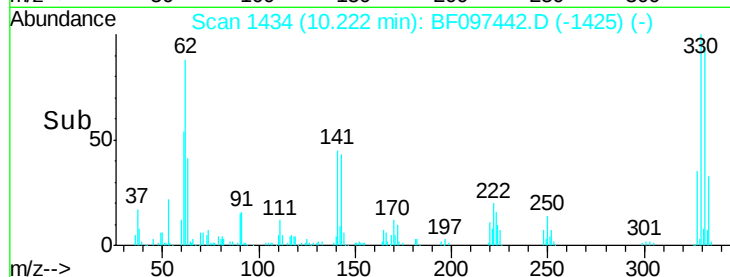
#66
 4-Bromophenyl-phenylether
 Concen: 3.37 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

Instrument :
 BNA_F
 ClientSampleId :
 TEC-WE

Tot Ion:248 Resp: 6928
 Ion Ratio Lower Upper
 248 100
 250 194.2 76.8 115.2#
 141 631.4 68.6 103.0#

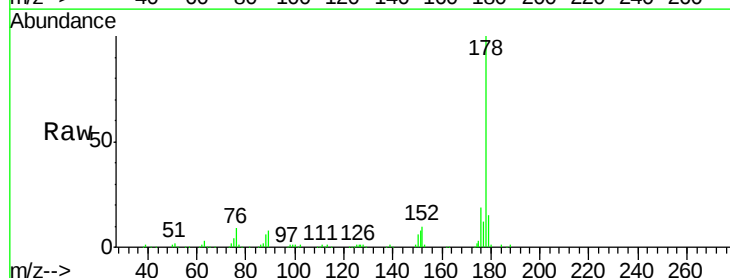


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

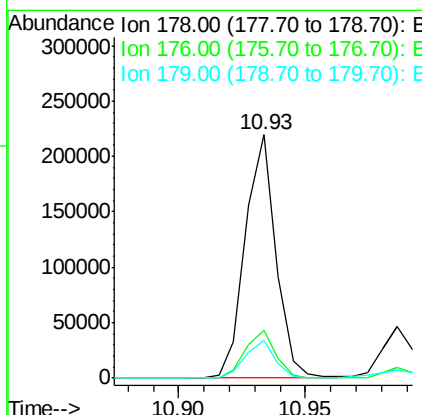
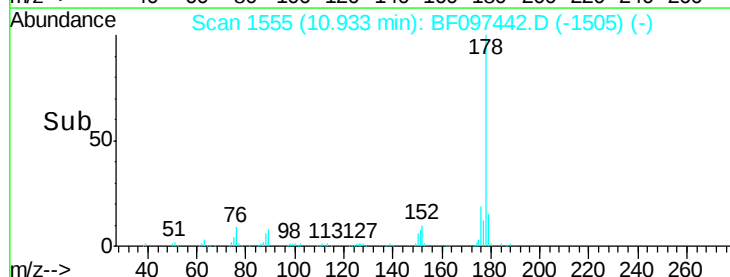


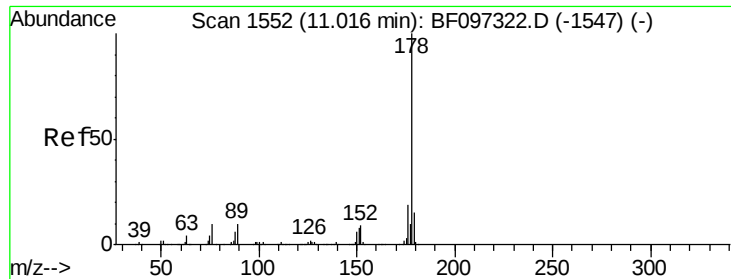
#70
 Phenanthrene
 Concen: 16.74 ng
 RT: 10.93 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

Tgt Ion:178 Resp: 184624
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 15.5 12.6 19.0



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

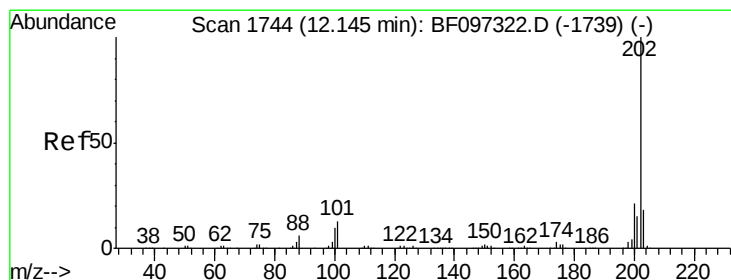
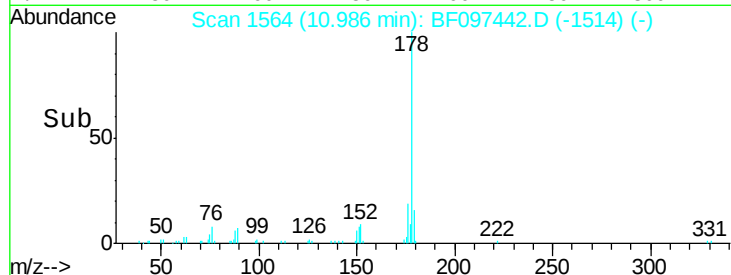
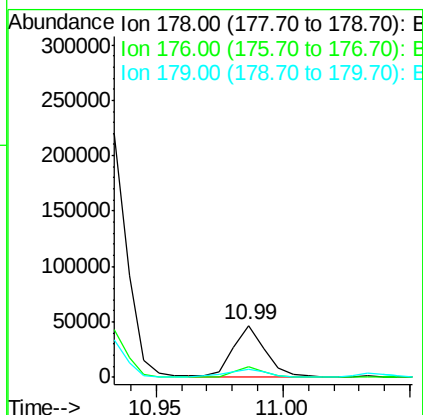
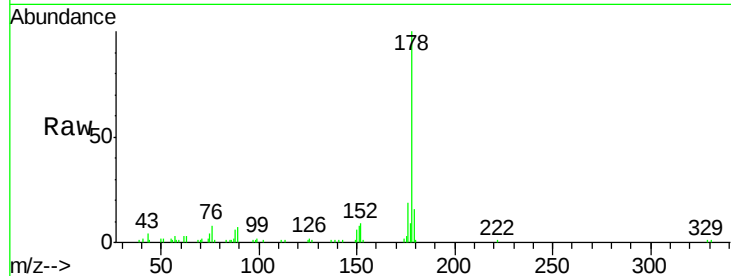




#71
 Anthracene
 Concen: 3.59 ng
 RT: 10.99 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

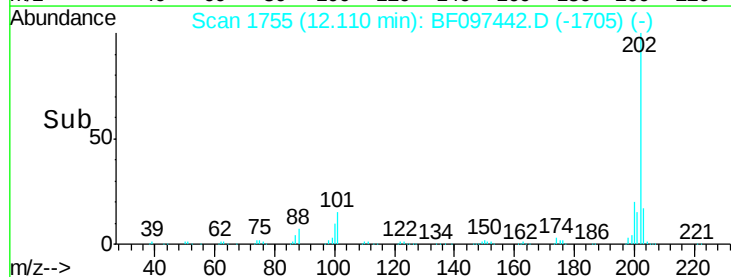
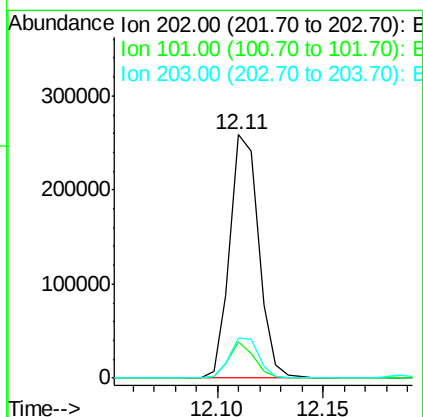
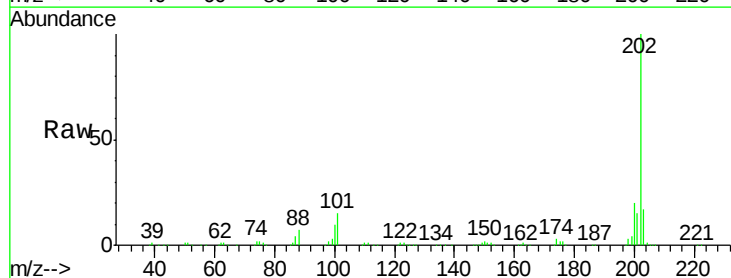
Instrument :
 BNA_F
 ClientSampleId :
 TEC-WE

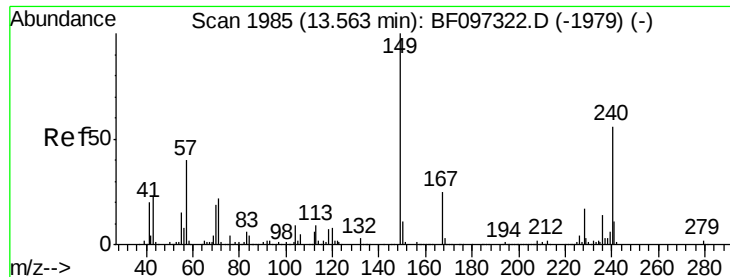
Tot Ion:178 Resp: 40555
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 16.2 12.7 19.1



#74
 Fluoranthene
 Concen: 22.67 ng
 RT: 12.11 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

Tgt Ion:202 Resp: 245006
 Ion Ratio Lower Upper
 202 100
 101 14.7 0.0 33.2
 203 16.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Instrument :

BNA_F

ClientSampleId :

TEC-WE

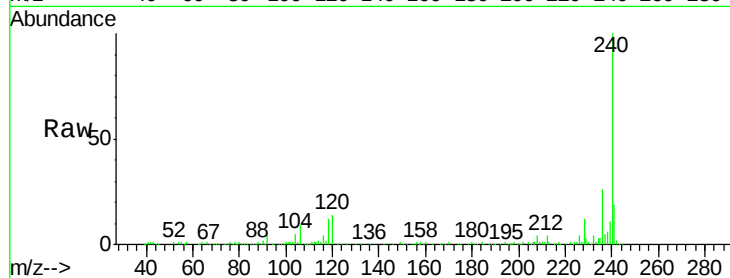
Tot Ion:240 Resp: 191356

Ion Ratio Lower Upper

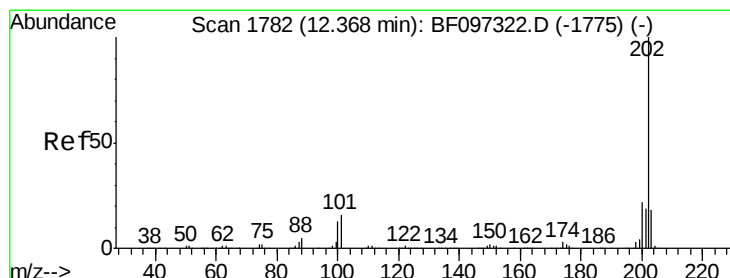
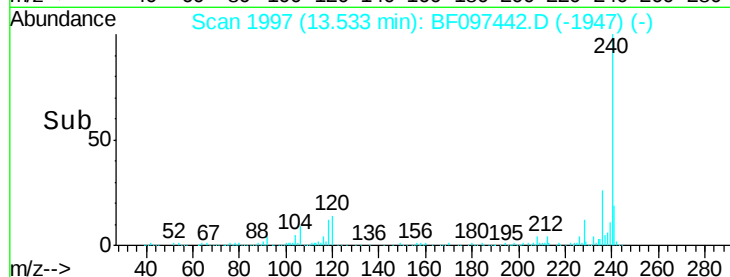
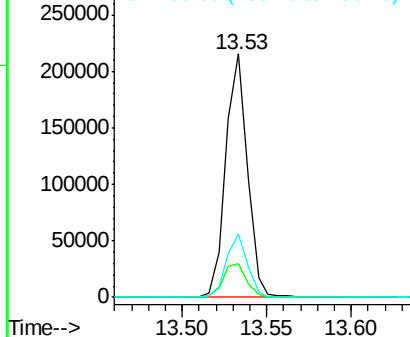
240 100

120 14.0 5.8 8.8#

236 26.1 20.5 30.7



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



#77

Pyrene

Concen: 12.45 ng

RT: 12.34 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

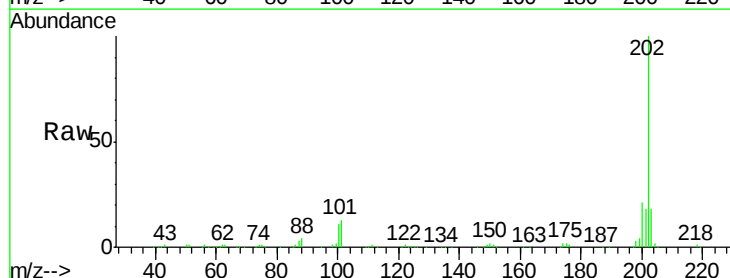
Tgt Ion:202 Resp: 195094

Ion Ratio Lower Upper

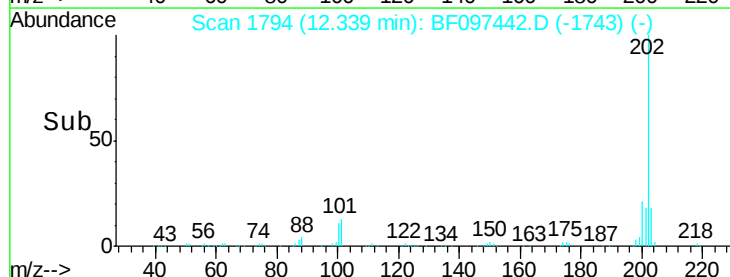
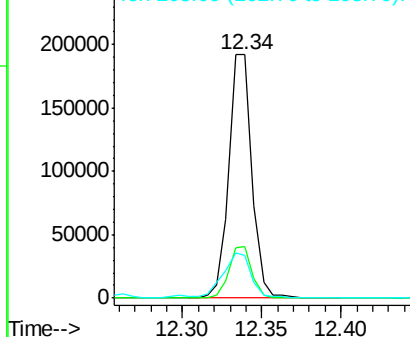
202 100

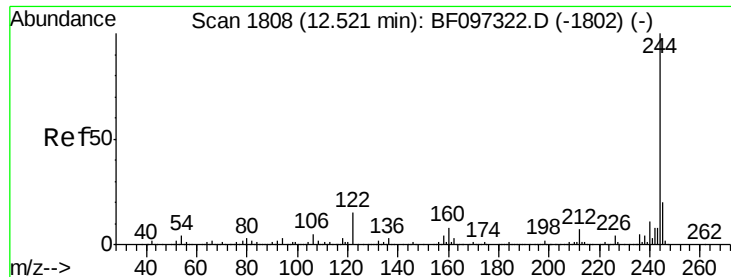
200 21.1 17.6 26.4

203 17.6 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 42.94 ng

RT: 12.49 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Instrument :

BNA_F

ClientSampled :

TEC-WE

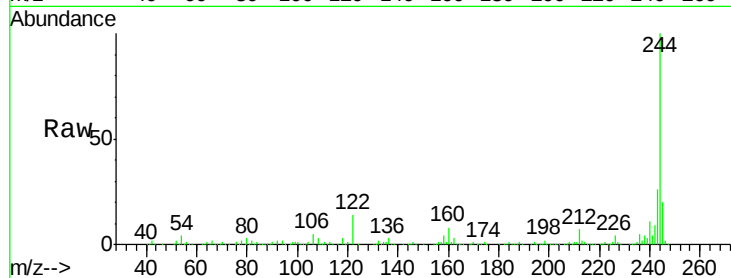
Tot Ion:244 Resp: 403002

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

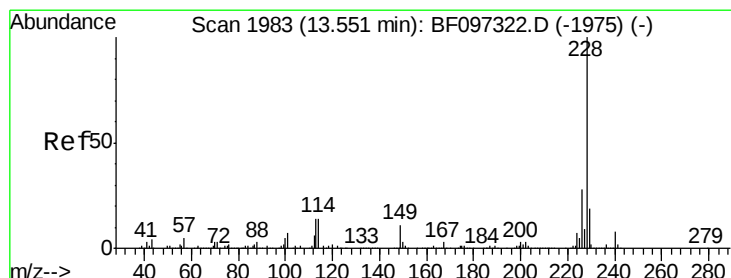
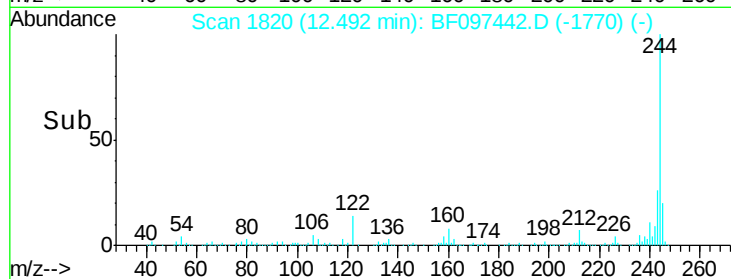
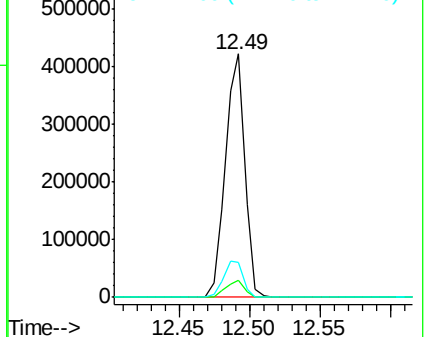
122 14.1 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 9.04 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

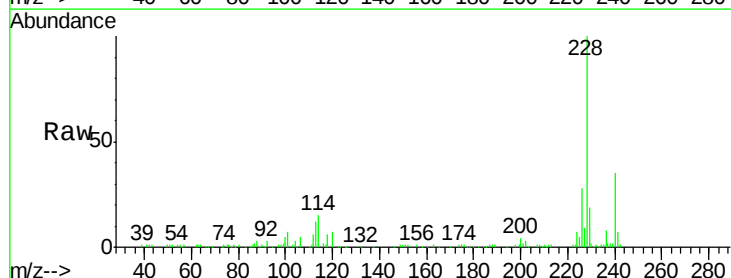
Tgt Ion:228 Resp: 111887

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

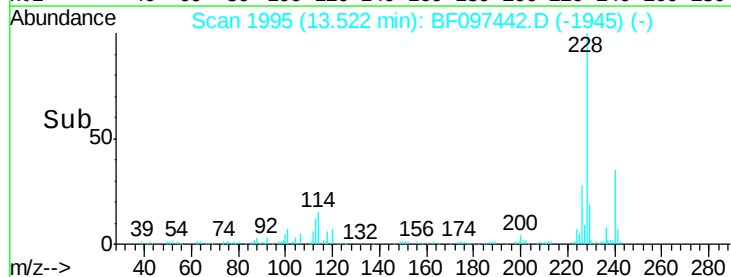
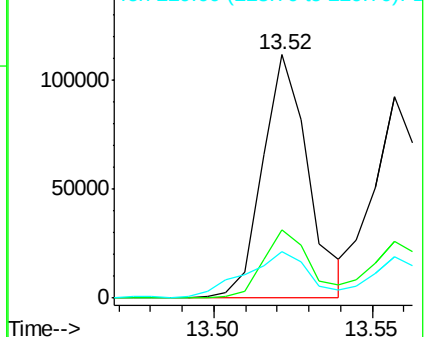
229 19.3 16.3 24.5

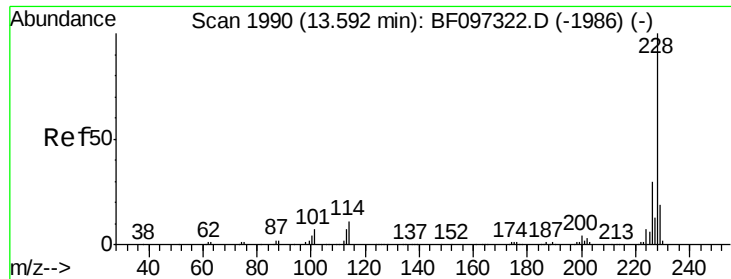


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

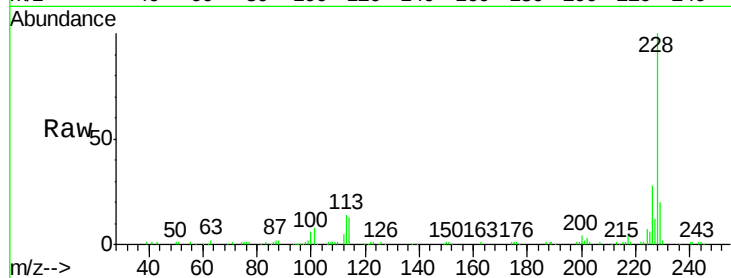




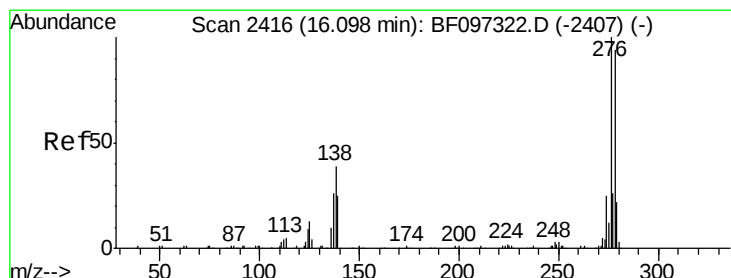
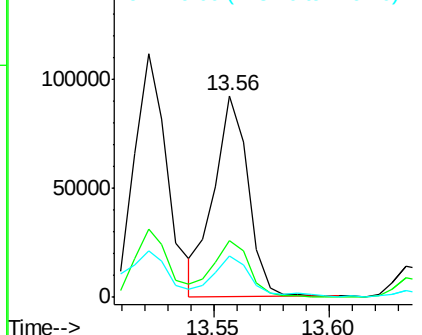
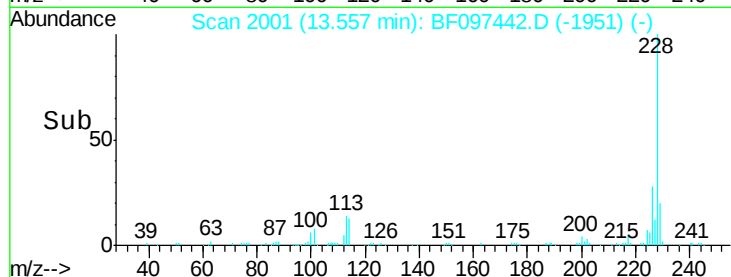
#82
Chrysene
Concen: 7.82 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Instrument :
BNA_F
ClientSampled :
TEC-WE

Tot Ion:228 Resp: 94486
Ion Ratio Lower Upper
228 100
226 28.4 24.9 37.3
229 20.3 15.8 23.6

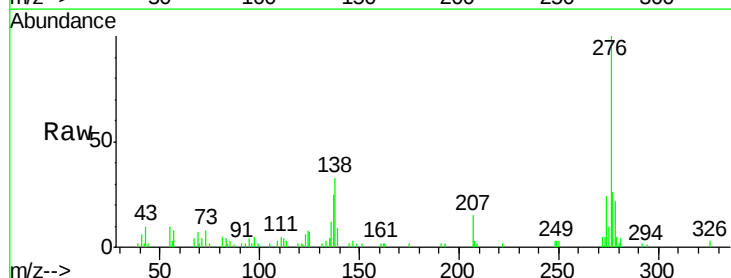


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

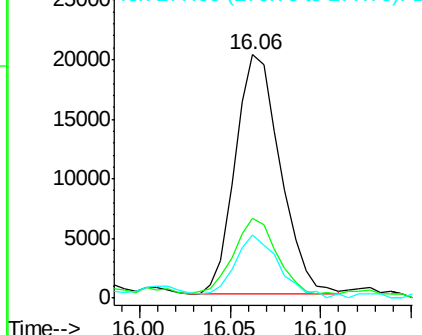
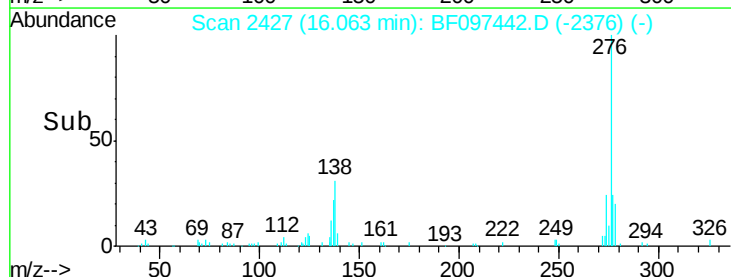


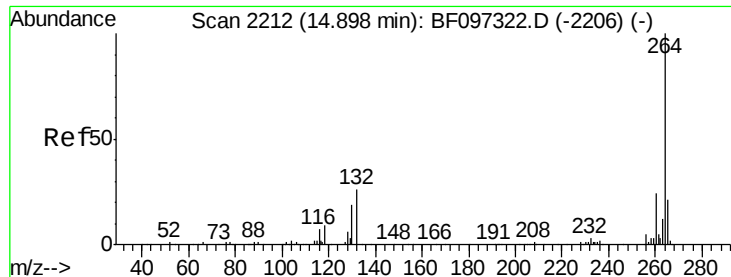
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.35 ng
RT: 16.06 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion:276 Resp: 34711
Ion Ratio Lower Upper
276 100
138 35.2 27.8 41.6
277 26.7 20.2 30.4



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





#86

Pervlene-d12

Concen: 20.00 ng

RT: 14.87 min Scan# 2225

Delta R.T. 0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Instrument :

BNA_F

ClientSampleId :

TEC-WE

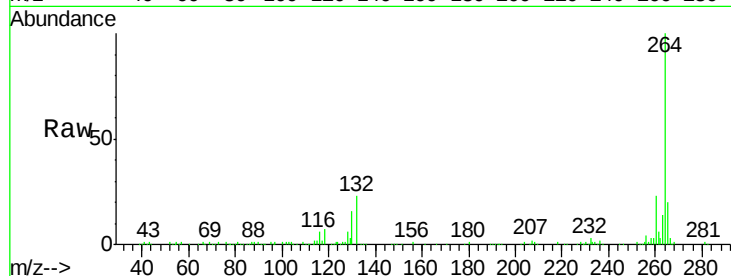
Tot Ion:264 Resp: 158956

Ion Ratio Lower Upper

264 100

260 22.9 19.5 29.3

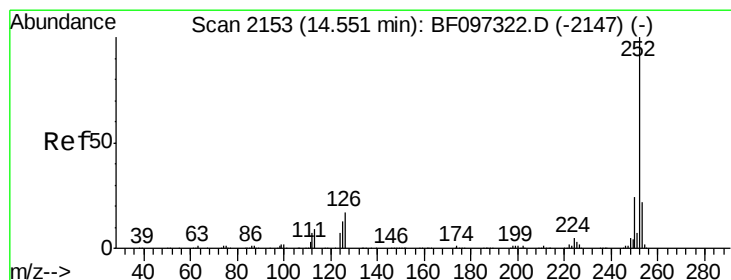
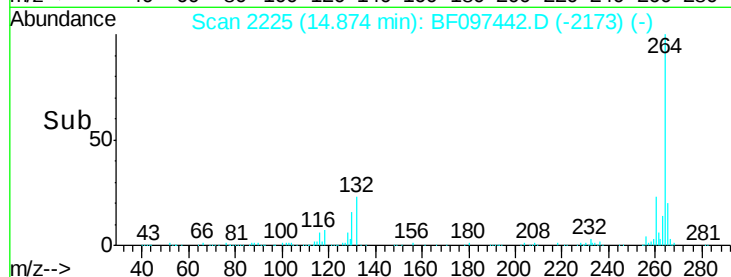
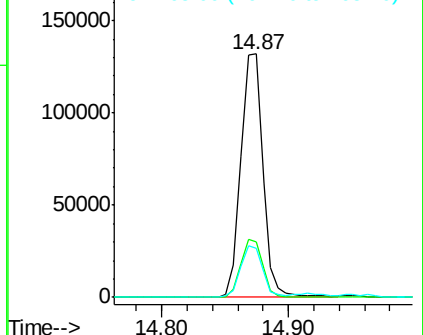
265 20.3 17.2 25.8



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



#87

Benzo(b)fluoranthene

Concen: 16.12 ng

RT: 14.53 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

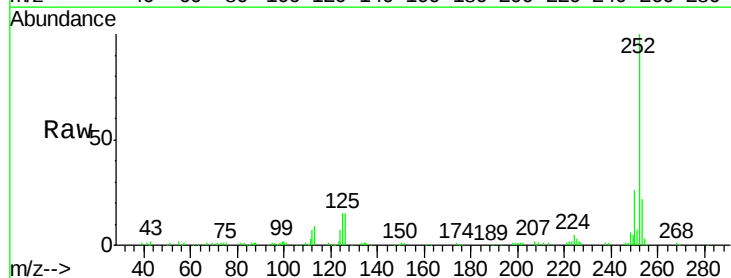
Tgt Ion:252 Resp: 154041

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

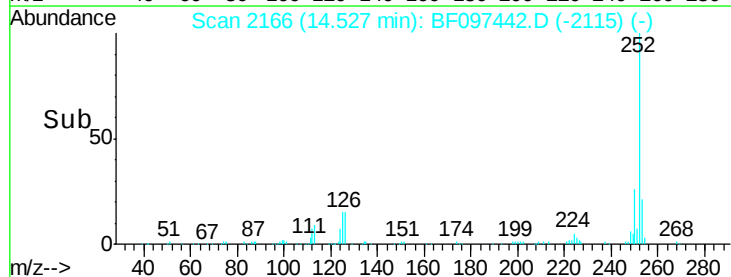
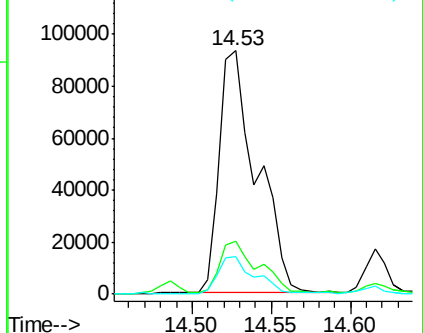
125 15.5 9.8 14.8#

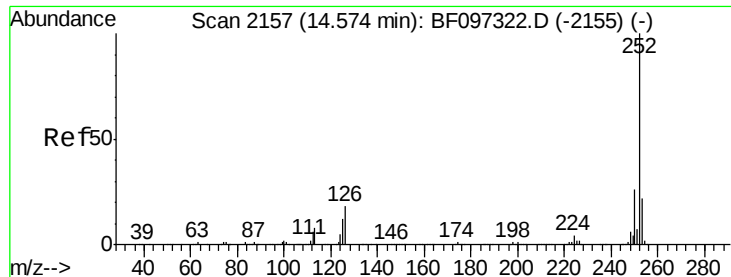


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

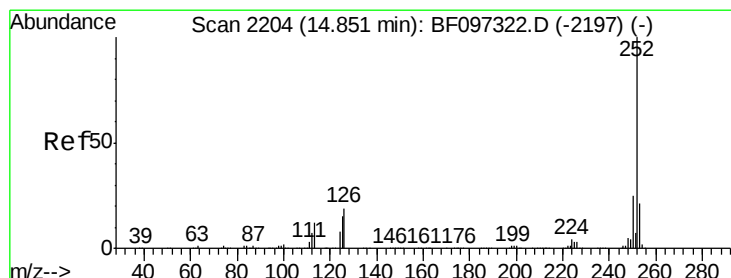
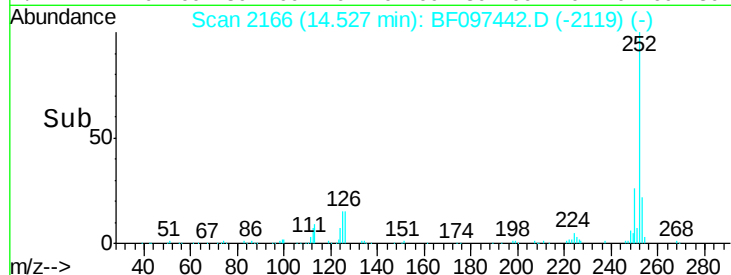
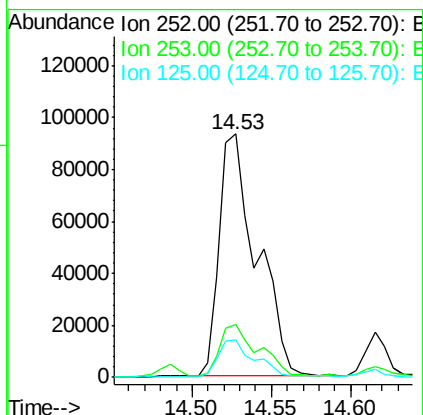
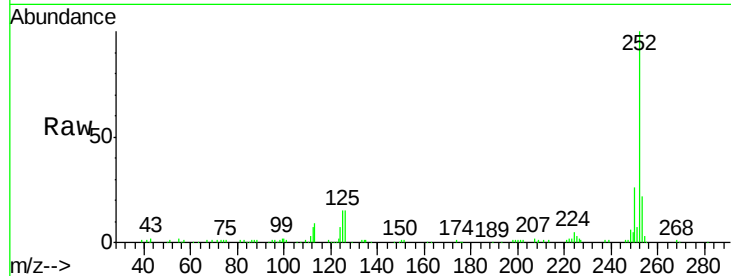




#88
Benzo(k)fluoranthene
Concen: 16.92 ng
RT: 14.53 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

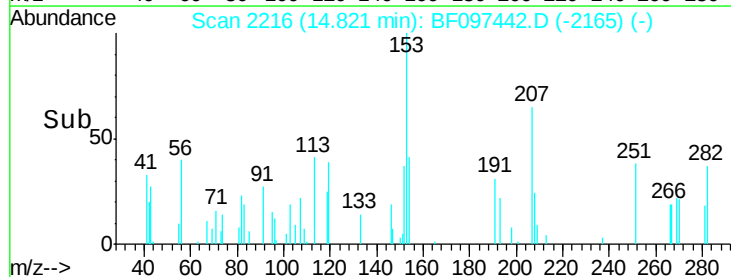
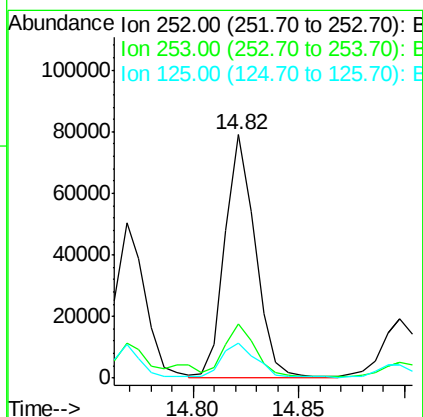
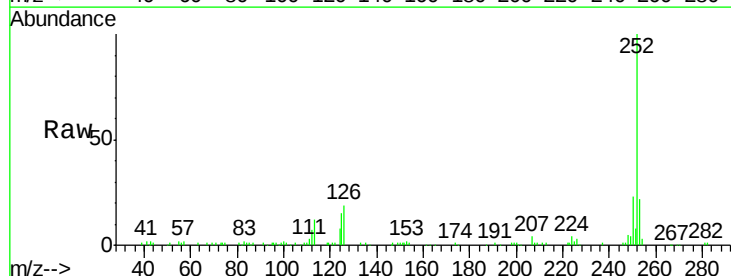
Instrument :
BNA_F
ClientSampleId :
TEC-WE

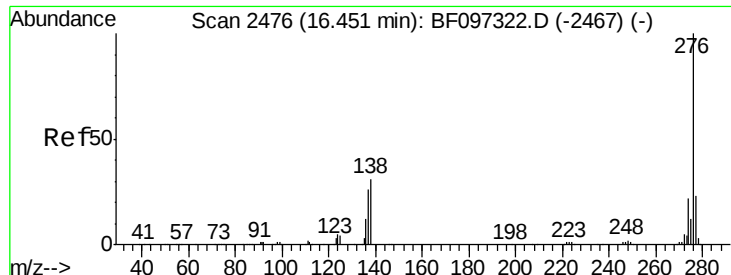
Tot Ion:252 Resp: 154041
Ion Ratio Lower Upper
252 100
253 21.6 18.4 27.6
125 15.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 9.07 ng
RT: 14.82 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion:252 Resp: 79359
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 14.5 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 3.97 ng

RT: 16.42 min Scan# 2487

Delta R.T. 0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Instrument :

BNA_F

ClientSampleId :

TEC-WE

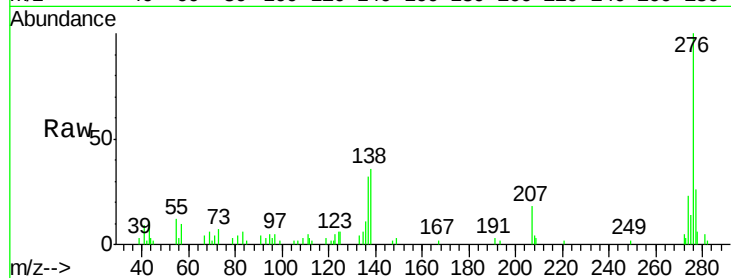
Tot Ion:276 Resp: 29837

Ion Ratio Lower Upper

276 100

277 25.8 18.6 28.0

138 36.3 25.4 38.0



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

