

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097656.D
 Acq On : 13 Aug 2017 5:08
 Operator : SJ/JU
 Sample : I4697-10DL 250X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Quant Time: Aug 14 05:25:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	118316	20.00	ng	0.00
21) Naphthalene-d8	9.53	136	488237	20.00	ng	0.00
38) Acenaphthene-d10	12.35	164	160509	20.00	ng	-0.02
63) Phenanthrene-d10	14.75	188	234241	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	180835	20.00	ng	-0.01
86) Perylene-d12	20.11	264	167882	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	8.64	82	110	0.01	ng	0.22
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	11.32	172	2539	0.24	ng	0.00
78) Terphenyl-d14	17.10	244	1437	0.16	ng	-0.02

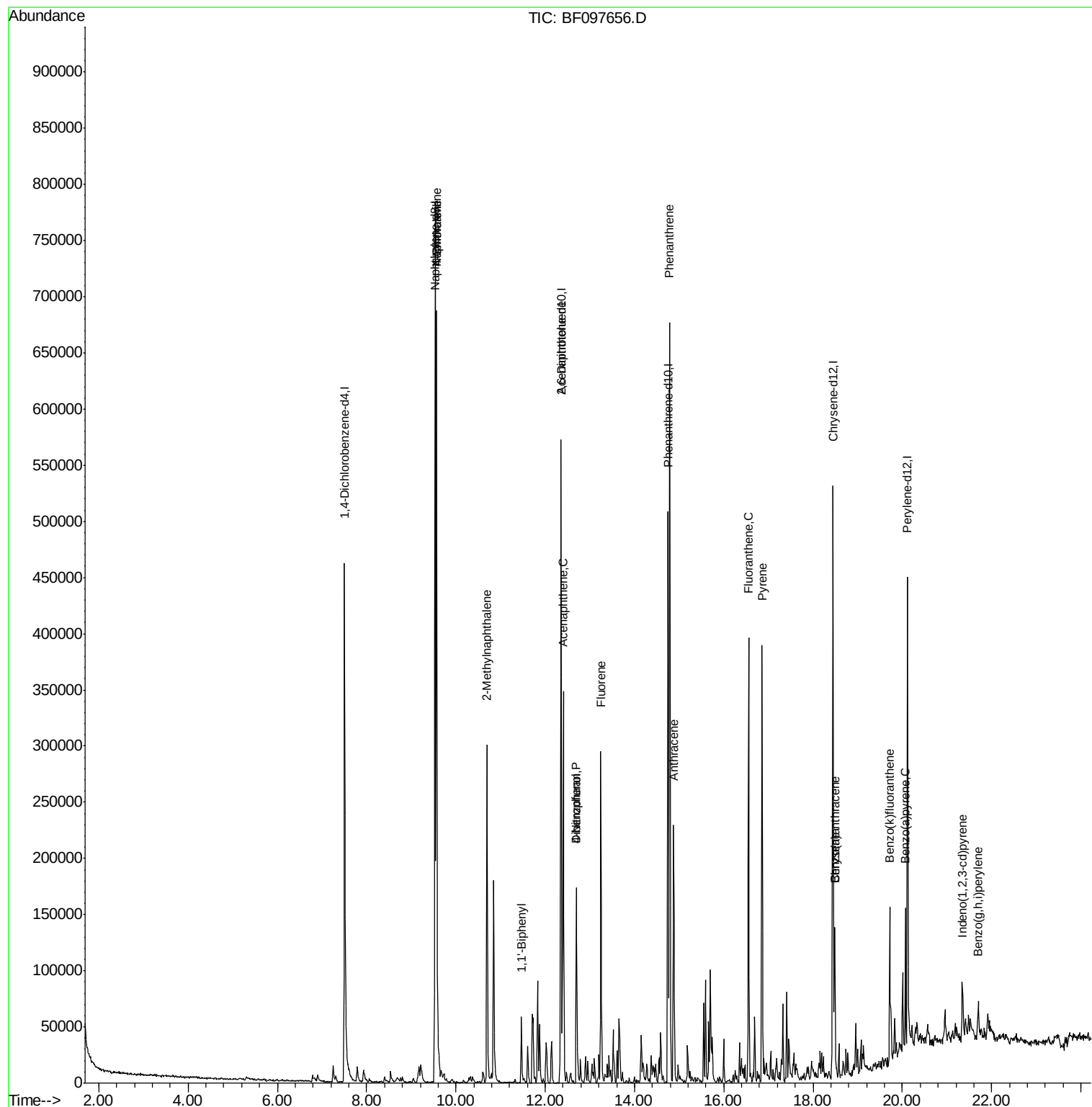
Target Compounds						Qvalue
31) Naphthalene	9.56	128	457313	18.70	ng	98
33) 4-Chloroaniline	9.56	127	58631	5.79	ng	# 32
37) 2-Methylnaphthalene	10.69	142	124681	8.10	ng	97
45) 1,1'-Biphenyl	11.46	154	31389	2.28	ng	92
50) 2,6-Dinitrotoluene	12.35	165	20001	7.83	ng	# 33
51) Acenaphthene	12.40	154	107626	10.68	ng	100
54) Dibenzofuran	12.70	168	103018	7.31	ng	96
55) 4-Nitrophenol	12.70	139	38376	30.13	ng	# 27
57) Fluorene	13.24	166	111522	9.62	ng	98
70) Phenanthrene	14.79	178	371478	27.53	ng	98
71) Anthracene	14.87	178	141264	10.23	ng	99
74) Fluoranthene	16.56	202	218099	17.89	ng	98
77) Pyrene	16.86	202	167611	11.21	ng	97
80) Benzo(a)anthracene	18.48	228	67642	6.40	ng	99
82) Chrysene	18.48	228	67642	6.44	ng	96
85) Indeno(1,2,3-cd)pyrene	21.35	276	27892	3.41	ng	97
88) Benzo(k)fluoranthene	19.71	252	95665	9.42	ng	98
89) Benzo(a)pyrene	20.07	252	59906	6.47	ng	96
91) Benzo(a,h,i)perylene	21.70	276	25055	3.45	ng	96

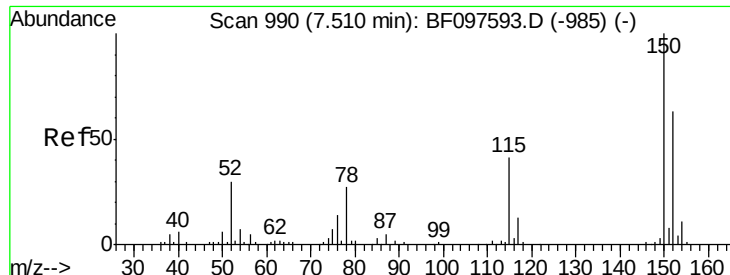
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.50 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-5BDL

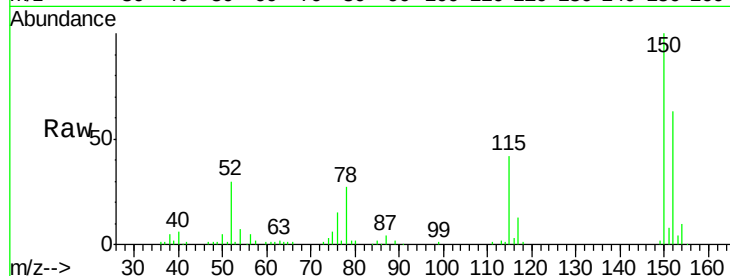
Tot Ion:152 Resp: 118316

Ion Ratio Lower Upper

152 100

150 159.4 126.2 189.2

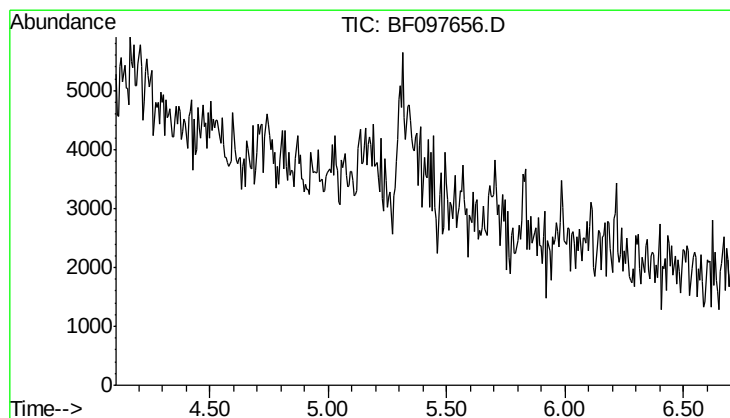
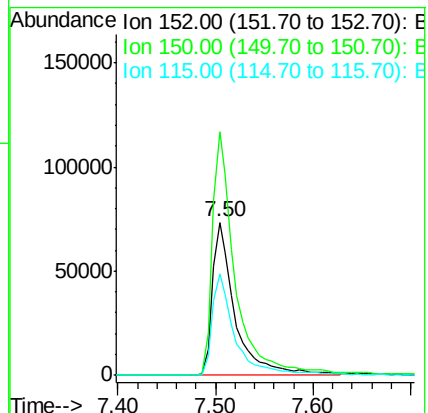
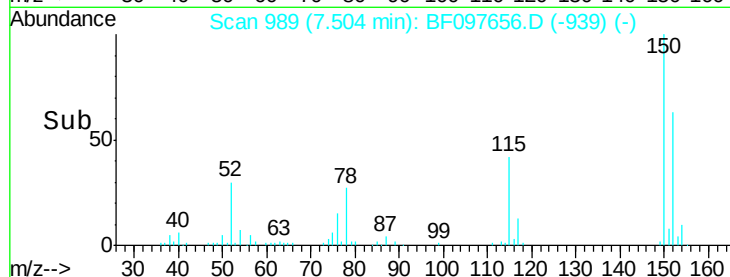
115 66.9 52.2 78.2



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: 0.00 ng

Expected RT: 5.40 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

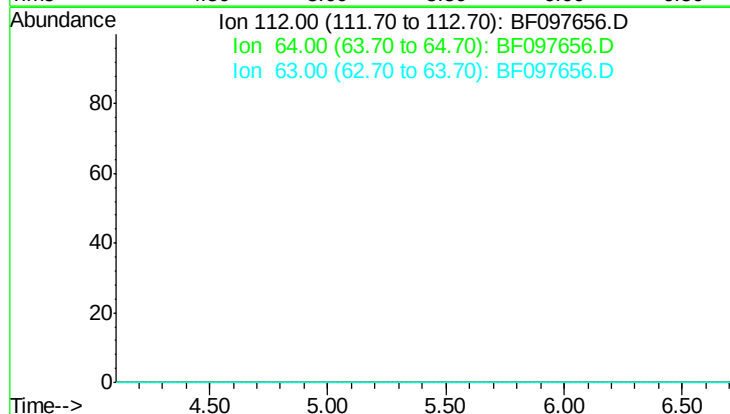
Tgt Ion: 112

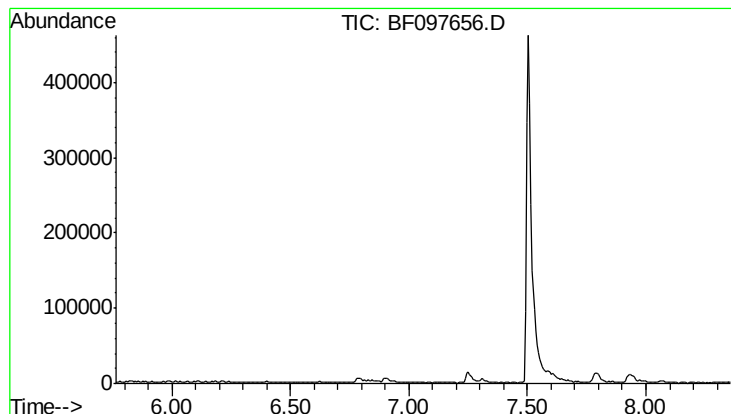
Sig Exp Ratio

112 100

64 57.5

63 29.2





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 7.06 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-5BDL

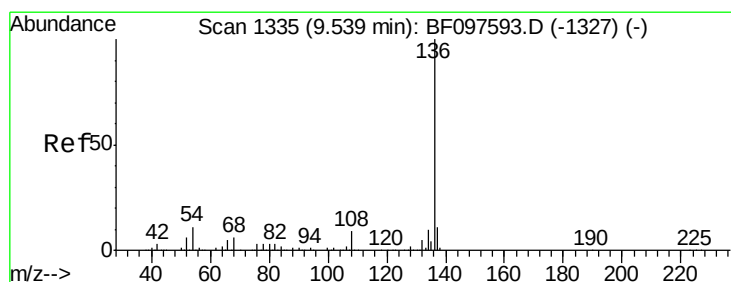
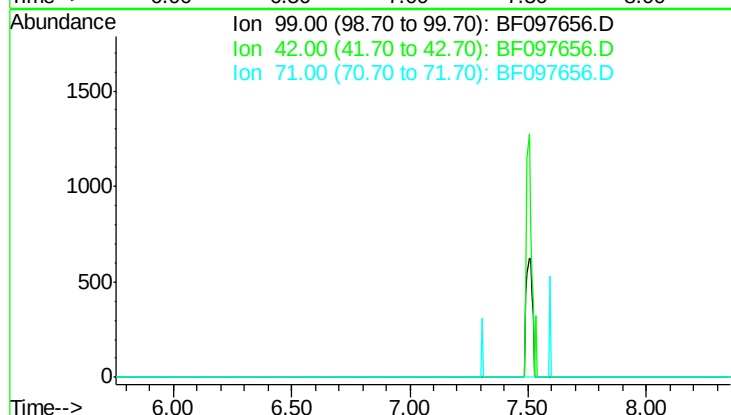
Tot Ion: 99

Sig Exp Ratio

99 100

42 16.9

71 30.6



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.53 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

Tgt Ion:136 Resp: 488237

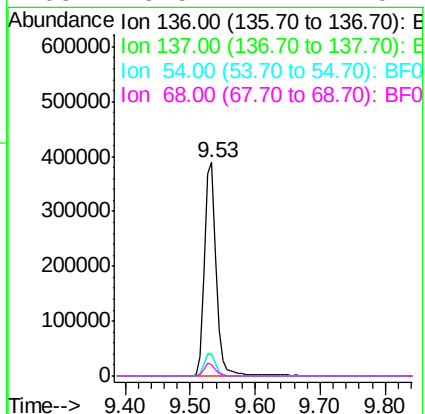
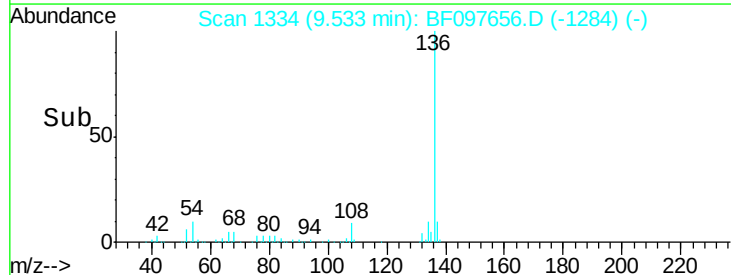
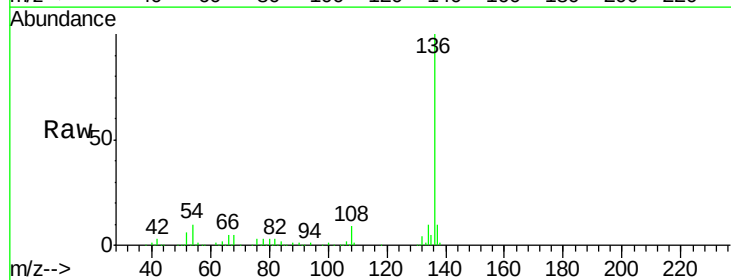
Ion Ratio Lower Upper

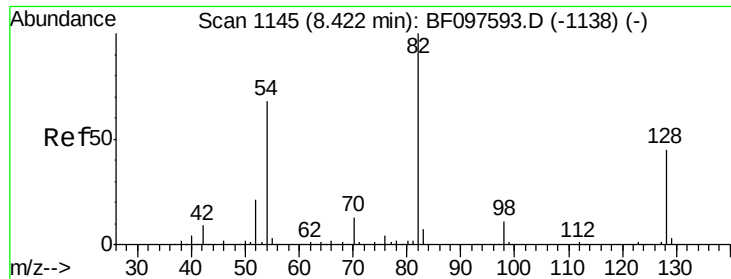
136 100

137 10.4 8.5 12.7

54 10.1 4.9 7.3#

68 5.5 4.1 6.1

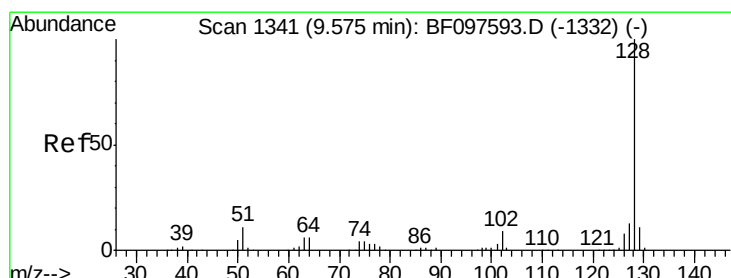
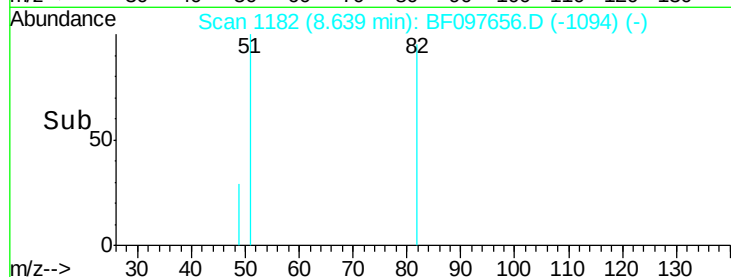
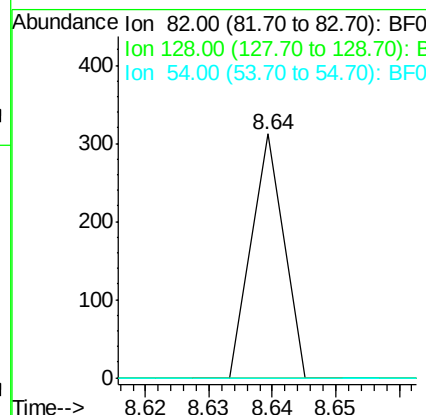
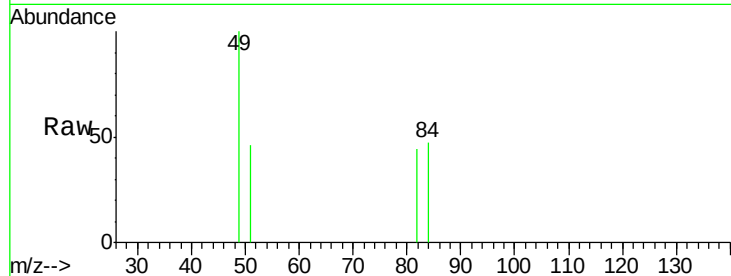




#23
 Nitrobenzene-d5
 Concen: 0.01 ng
 RT: 8.64 min Scan# 1182
 Delta R.T. 0.22 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

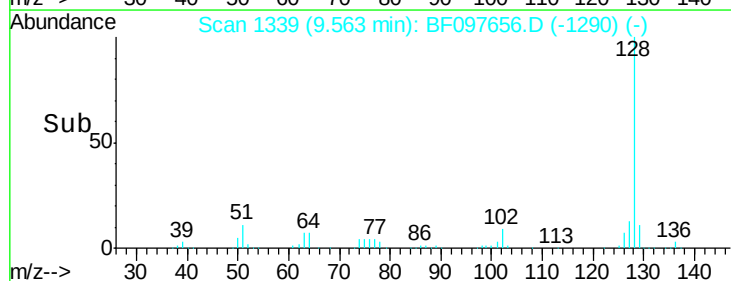
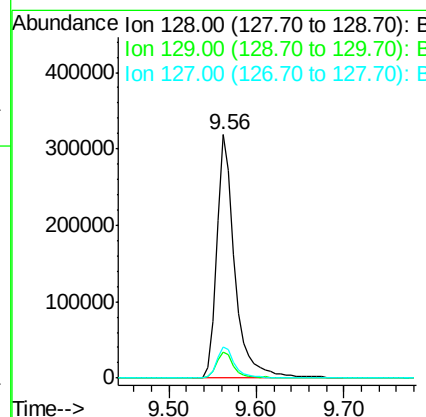
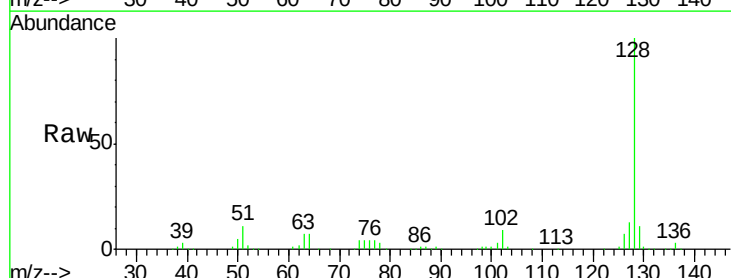
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

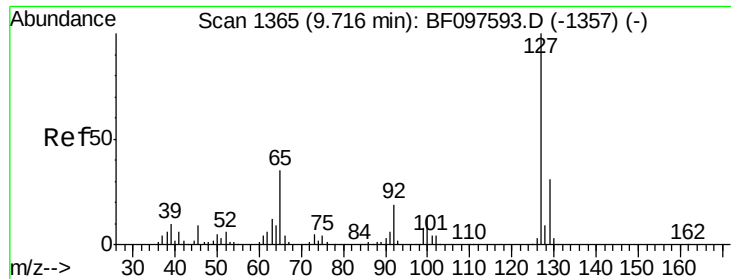
Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	34.0	51.0#
54	0.0	42.2	63.2#



#31
 Naphthalene
 Concen: 18.70 ng
 RT: 9.56 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.7	10.8	16.2

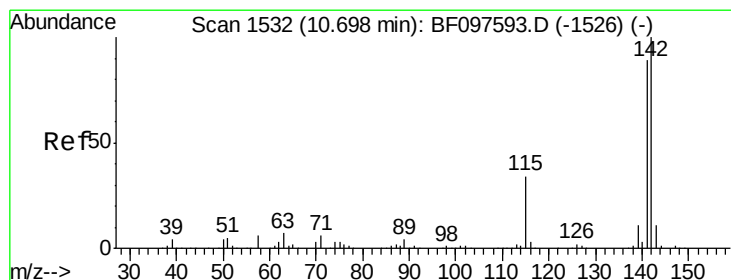
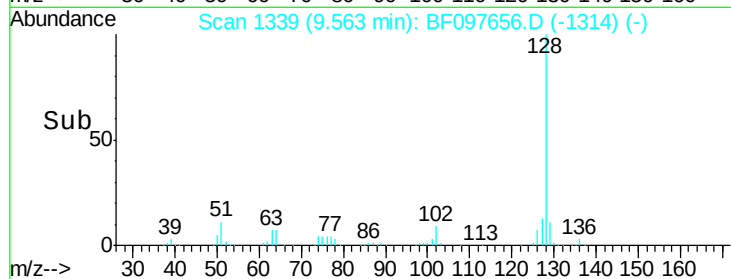
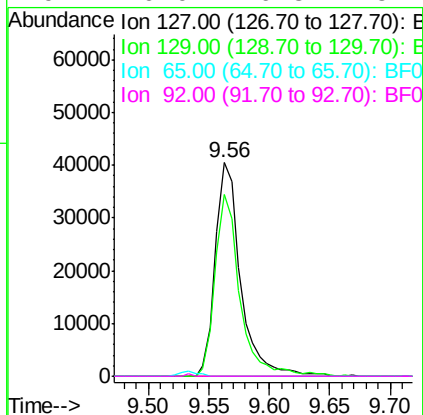
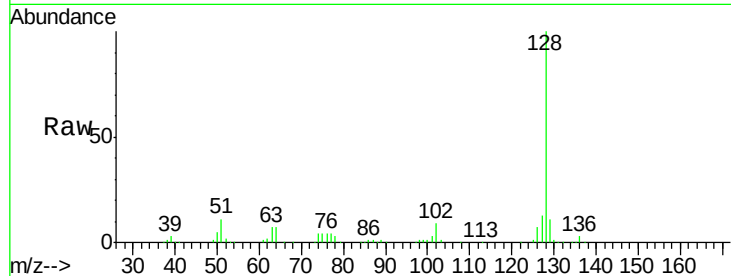




#33
 4-Chloroaniline
 Concen: 5.79 ng
 RT: 9.56 min Scan# 1339
 Delta R.T. -0.15 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

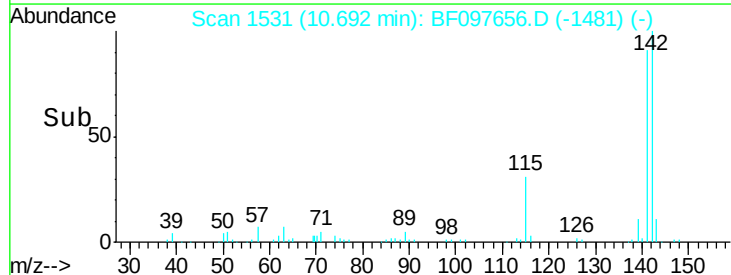
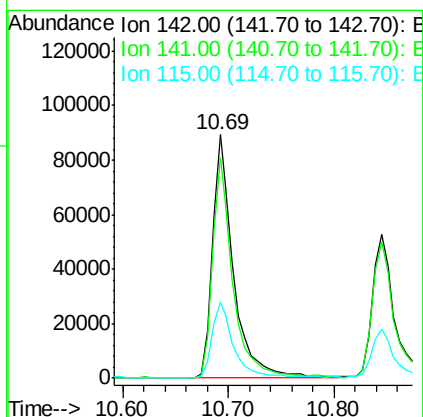
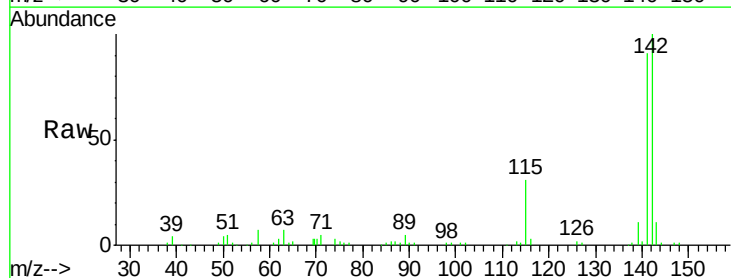
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

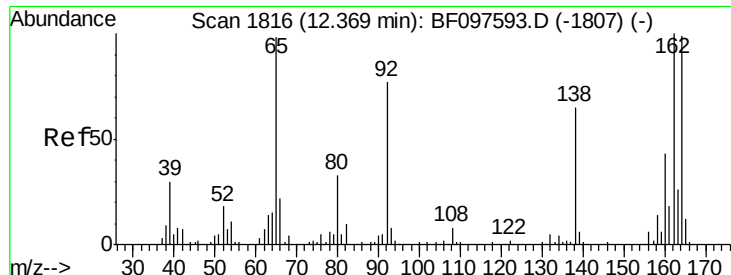
Tot Ion:	127	Resp:	58631
Ion	Ratio	Lower	Upper
127	100		
129	84.8	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
 2-Methylnaphthalene
 Concen: 8.10 ng
 RT: 10.69 min Scan# 1531
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion:	142	Resp:	124681
Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.3	106.9
115	31.1	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.35 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-5BDL

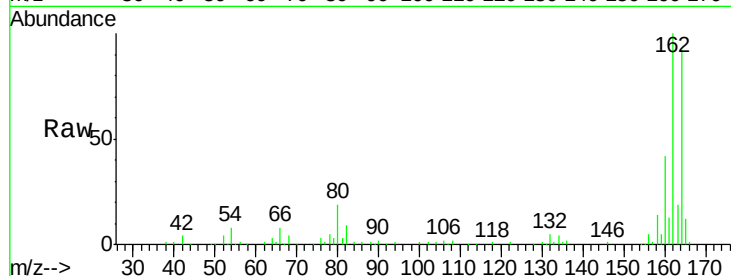
Tot Ion:164 Resp: 160509

Ion Ratio Lower Upper

164 100

162 109.2 82.6 123.8

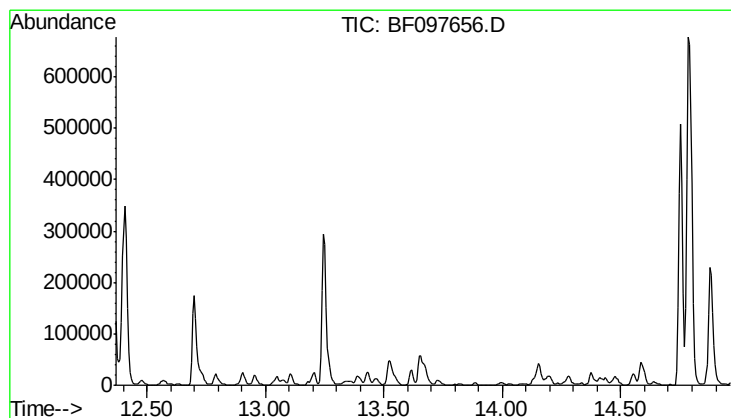
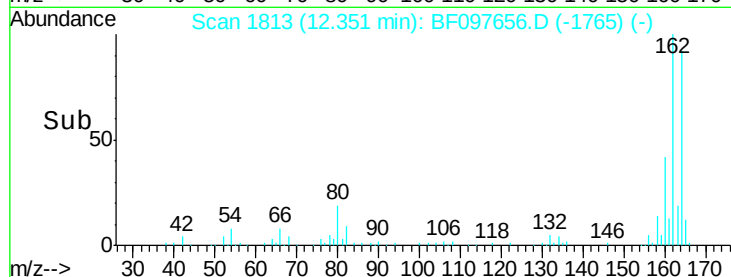
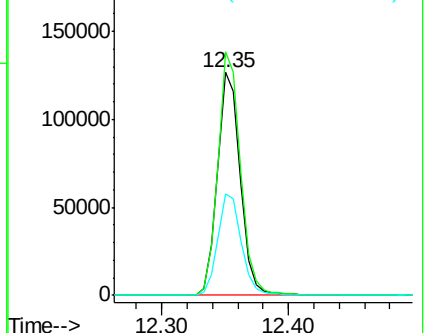
160 45.7 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 13.66 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

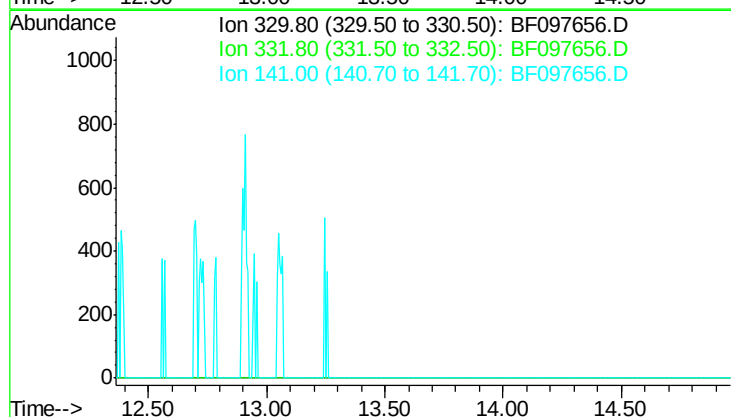
Tgt Ion: 330

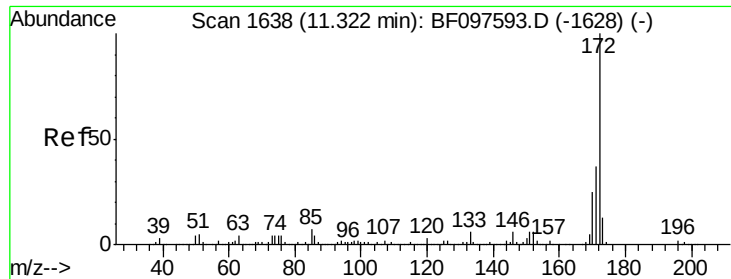
Sig Exp Ratio

330 100

332 95.8

141 39.3

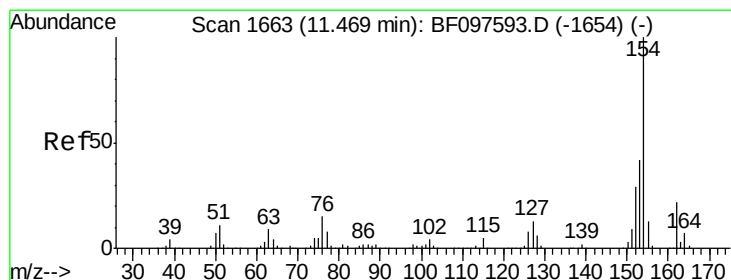
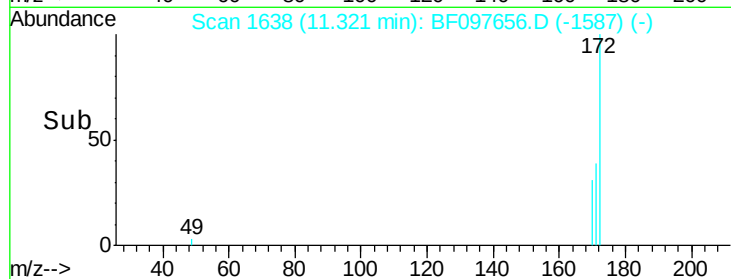
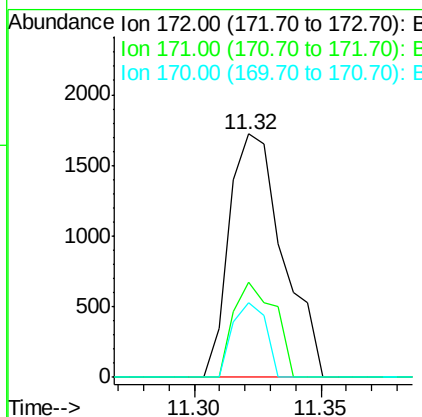
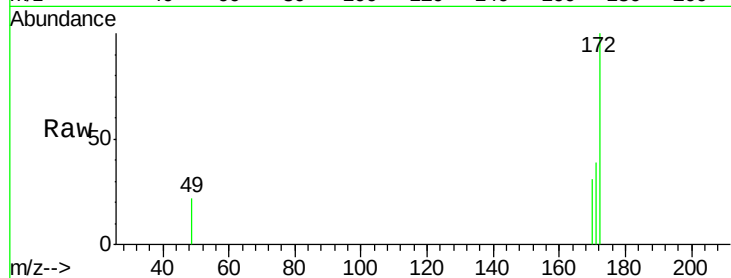




#44
2-Fluorobiphenyl
Concen: 0.24 ng
RT: 11.32 min Scan# 1638
Delta R.T. -0.00 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

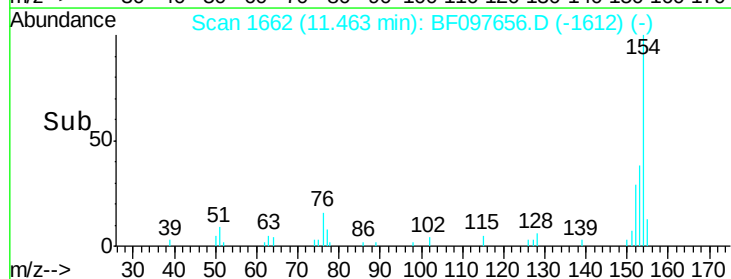
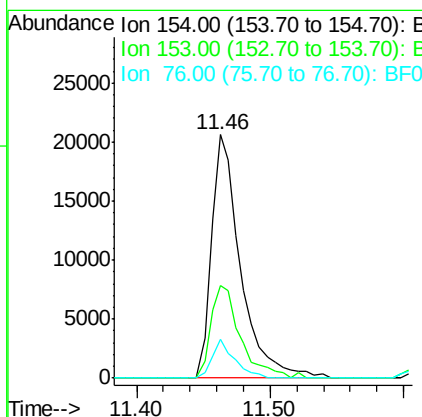
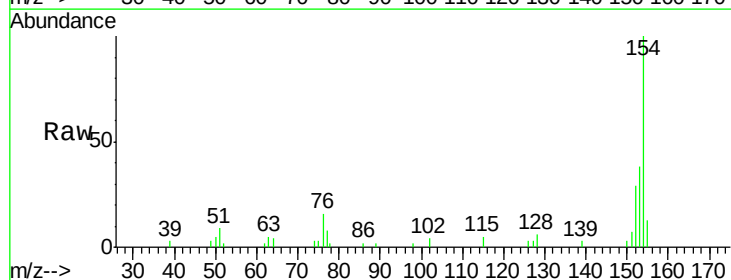
Instrument :
BNA_F
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NYSEG-PH4-ESMI-5BDL

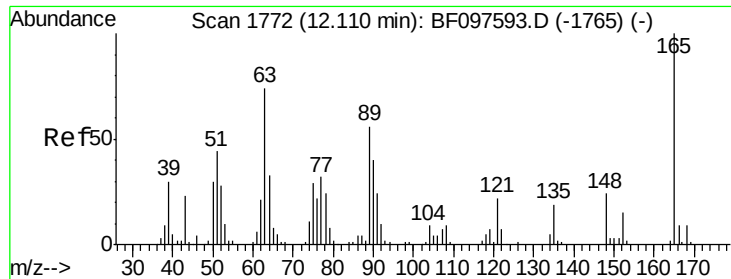
Tot Ion:172 Resp: 2539
Ion Ratio Lower Upper
172 100
171 39.2 29.6 44.4
170 30.5 19.8 29.8#



#45
1,1'-Biphenyl
Concen: 2.28 ng
RT: 11.46 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Tgt Ion:154 Resp: 31389
Ion Ratio Lower Upper
154 100
153 37.9 21.2 61.2
76 16.1 0.0 29.9

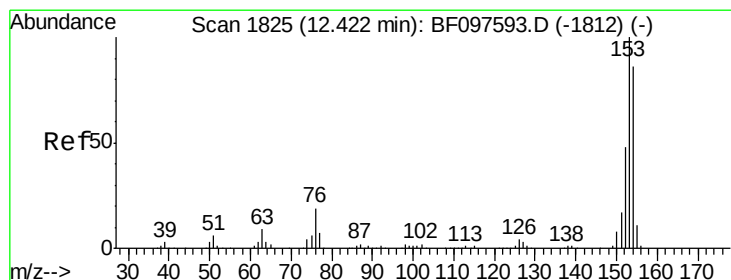
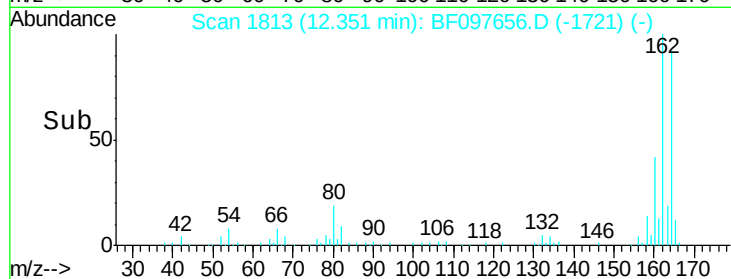
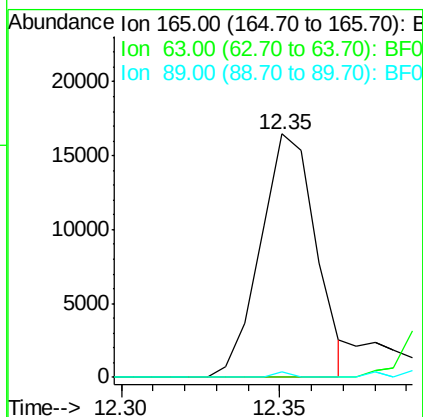
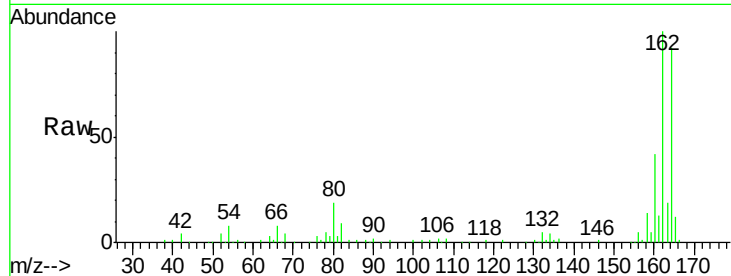




#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 12.35 min Scan# 1813
 Delta R.T. 0.24 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

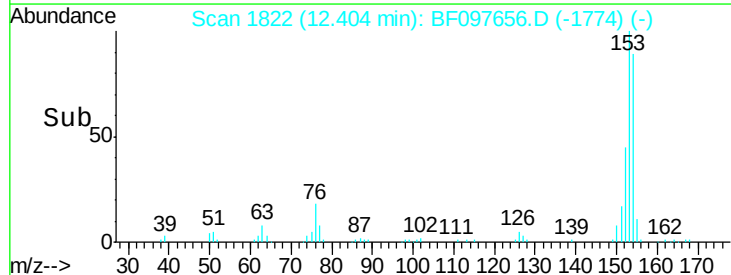
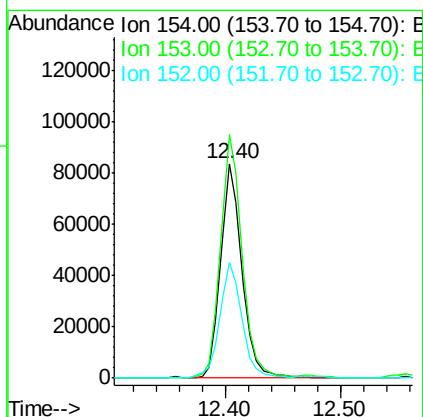
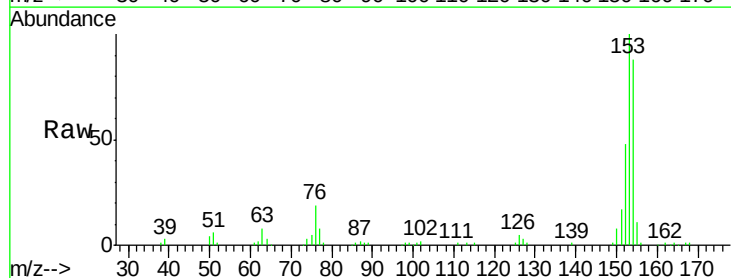
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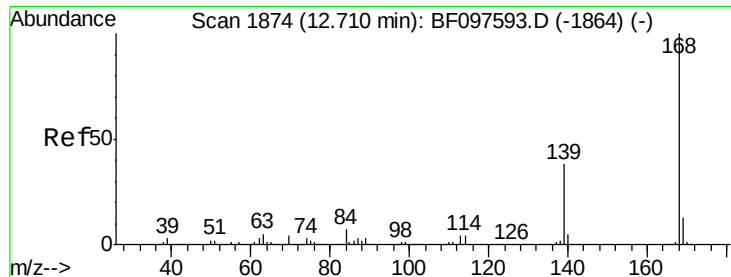
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	2.1	37.1	55.7#



#51
 Acenaphthene
 Concen: 10.68 ng
 RT: 12.40 min Scan# 1822
 Delta R.T. -0.02 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.5	135.7
152	54.0	43.6	65.4

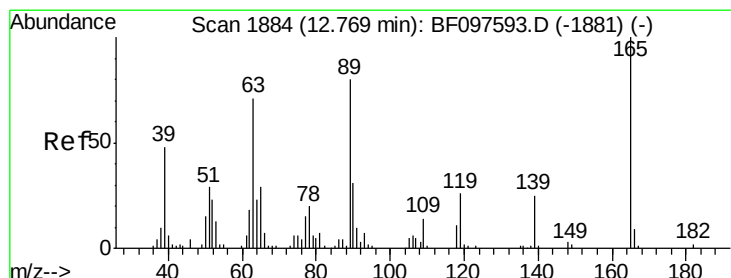
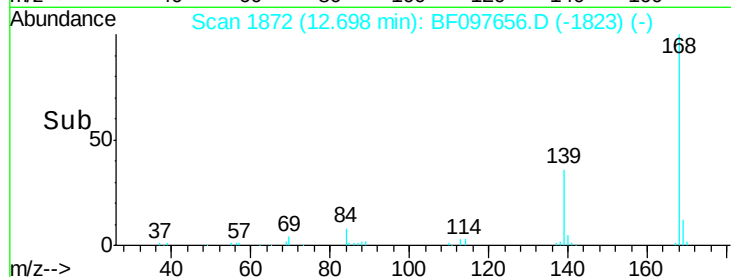
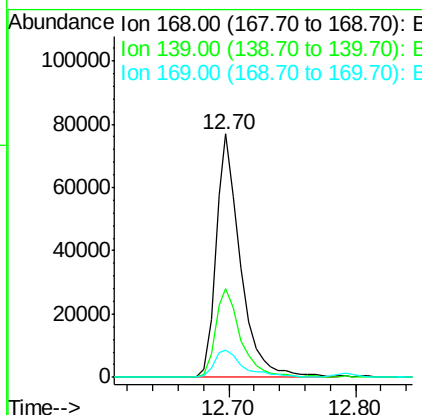
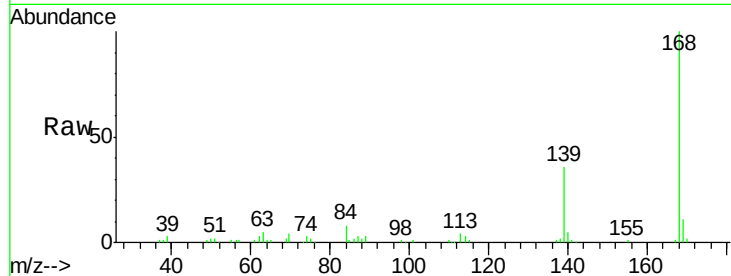




#54
Dibenzenofuran
Concen: 7.31 ng
RT: 12.70 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

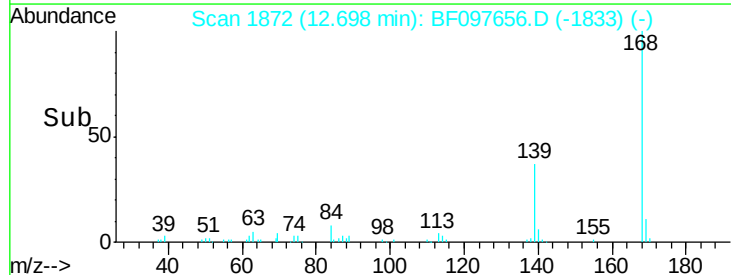
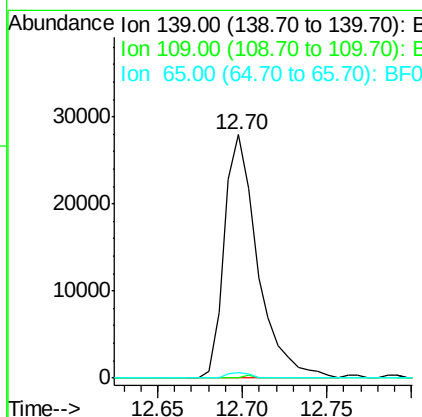
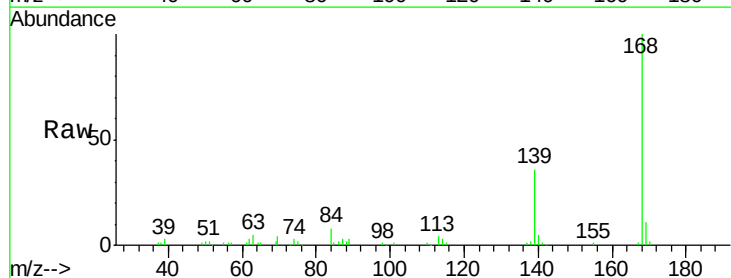
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5BDL

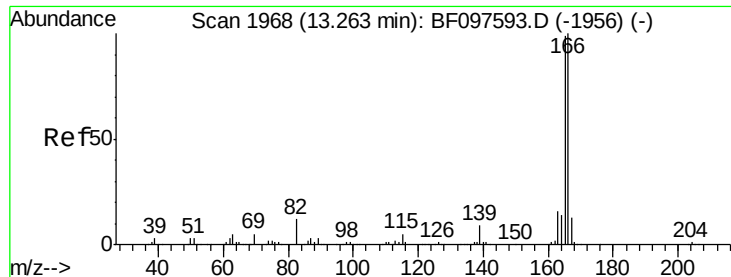
Tot Ion:168 Resp: 103018
Ion Ratio Lower Upper
168 100
139 36.3 30.6 45.8
169 11.4 10.8 16.2



#55
4-Nitrophenol
Concen: 30.13 ng
RT: 12.70 min Scan# 1872
Delta R.T. -0.07 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Tgt Ion:139 Resp: 38376
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 2.2 31.4 71.4#

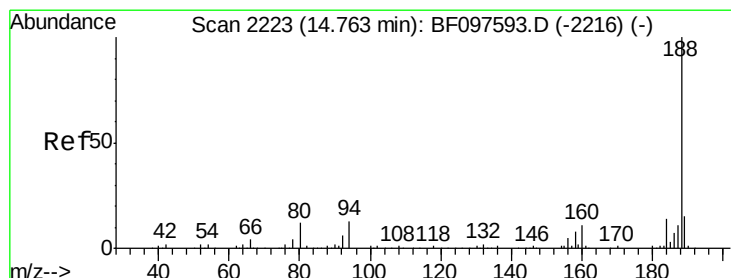
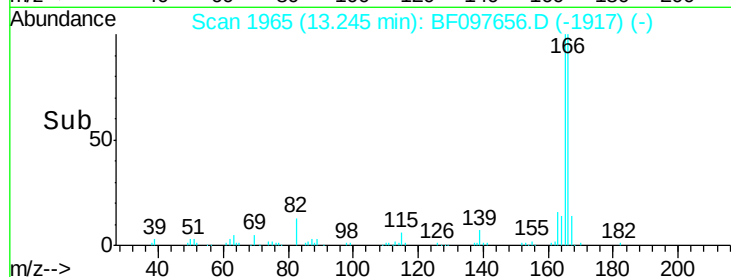
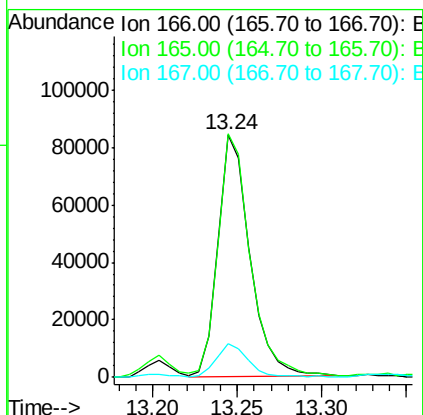
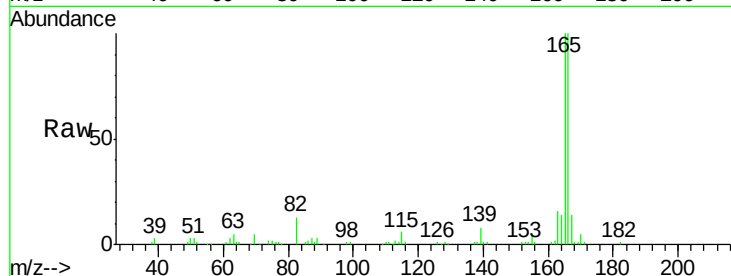




#57
 Fluorene
 Concen: 9.62 ng
 RT: 13.24 min Scan# 1965
 Delta R.T. -0.02 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

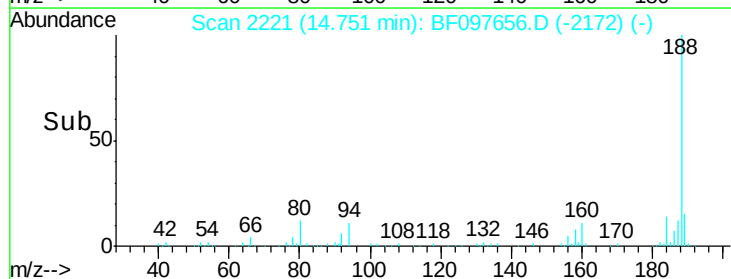
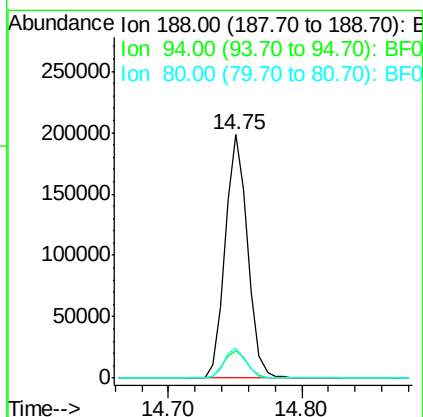
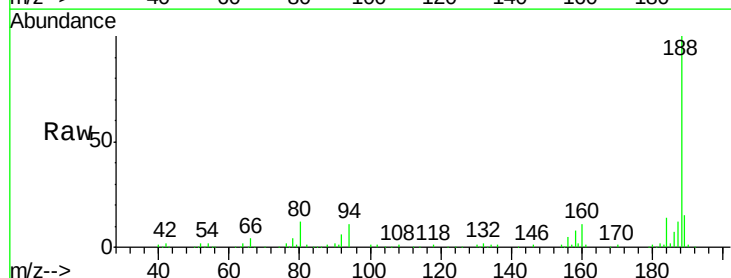
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

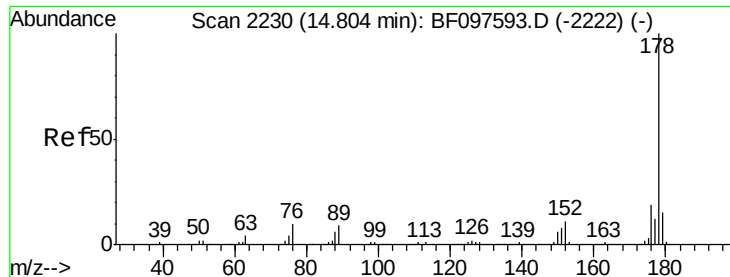
Tot Ion:166 Resp: 111522
 Ion Ratio Lower Upper
 166 100
 165 100.3 78.8 118.2
 167 13.7 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion:188 Resp: 234241
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 12.0 10.2 15.2

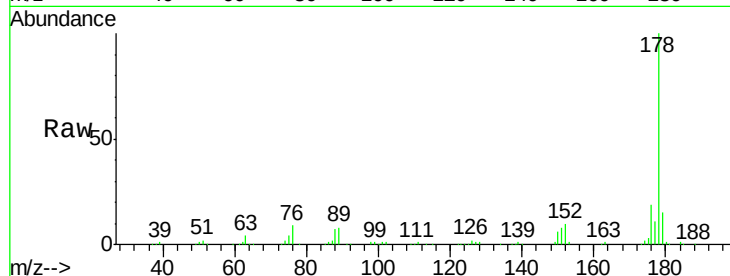




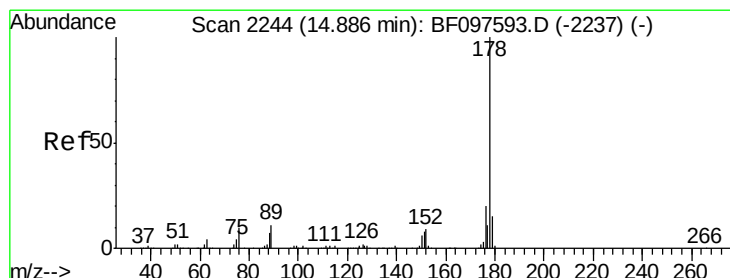
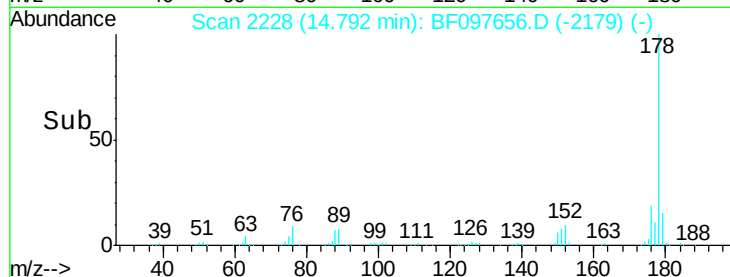
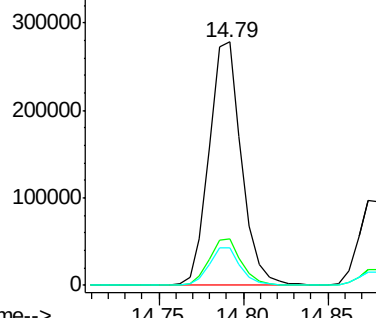
#70
 Phenanthrene
 Concen: 27.53 ng
 RT: 14.79 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Tot Ion:178 Resp: 371478
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.5 12.6 19.0

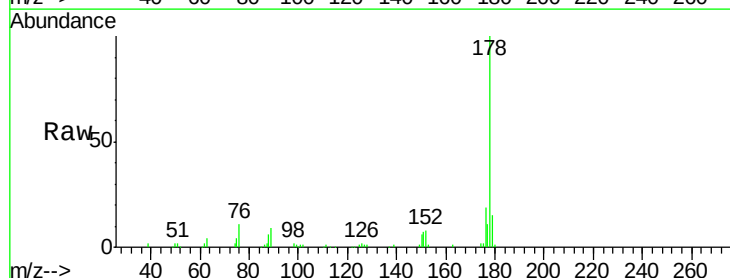


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

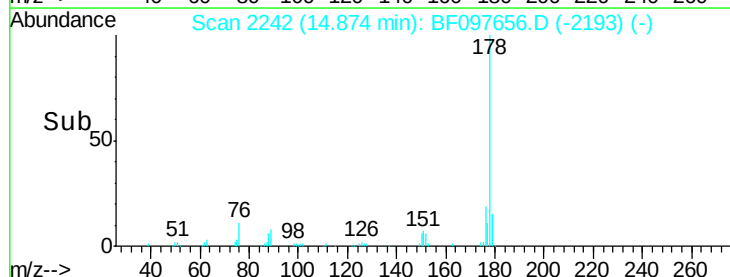
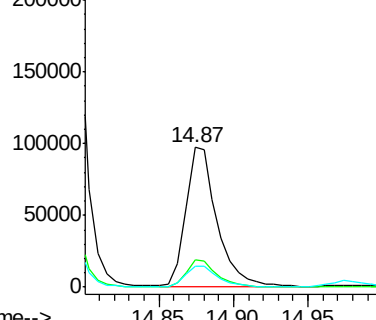


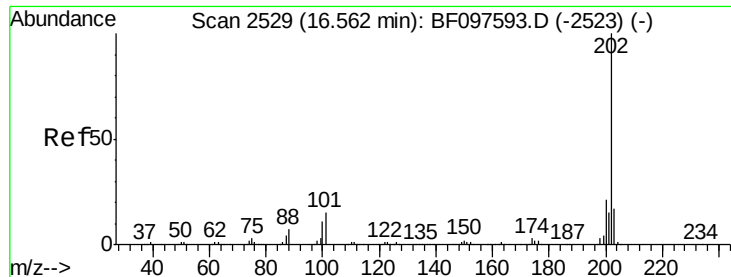
#71
 Anthracene
 Concen: 10.23 ng
 RT: 14.87 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion:178 Resp: 141264
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.4 12.7 19.1



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





#74

Fluoranthene

Concen: 17.89 ng

RT: 16.56 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-5BDL

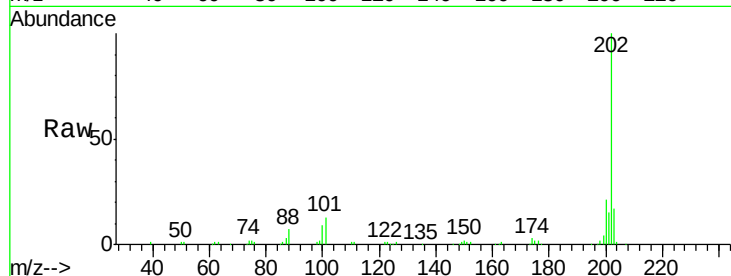
Tot Ion:202 Resp: 218099

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

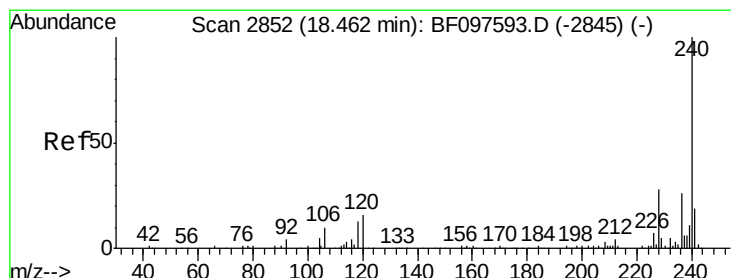
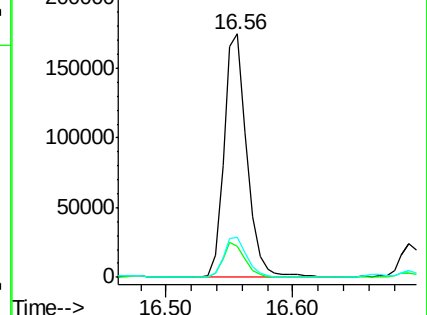
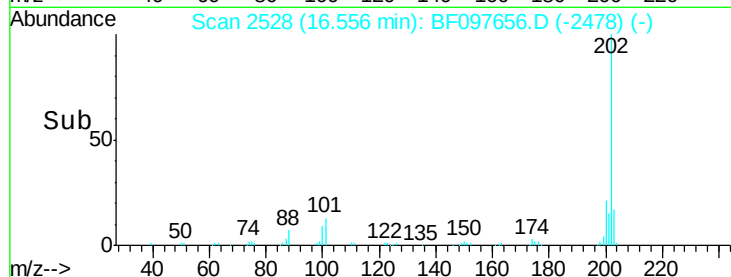
203 16.6 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.45 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

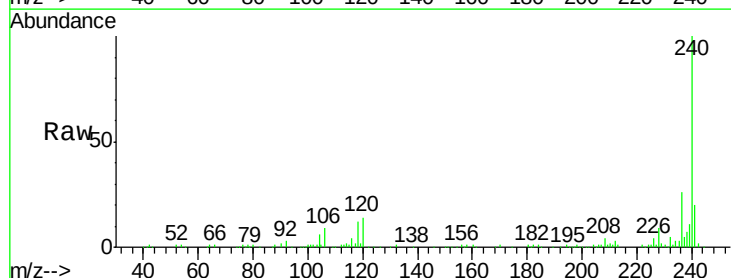
Tgt Ion:240 Resp: 180835

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

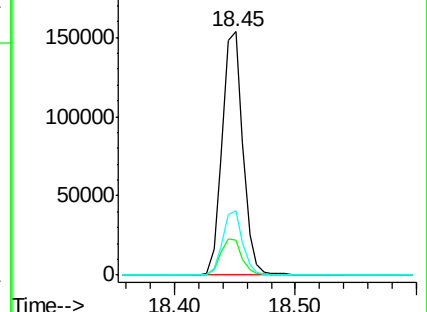
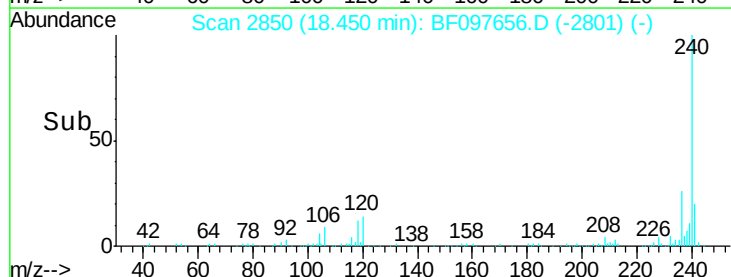
236 26.3 20.5 30.7

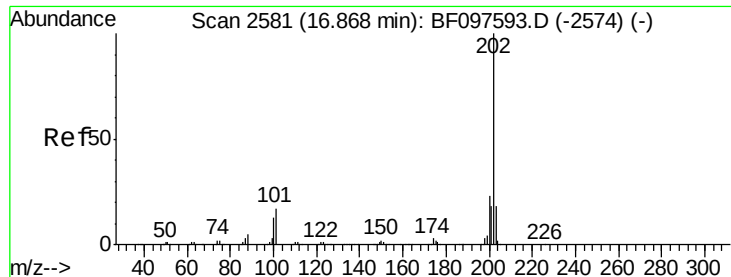


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 11.21 ng

RT: 16.86 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

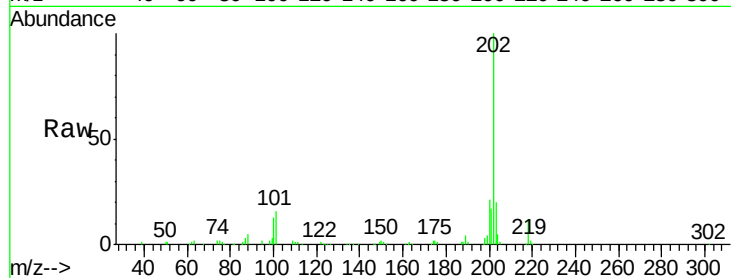
Instrument :

BNA_F

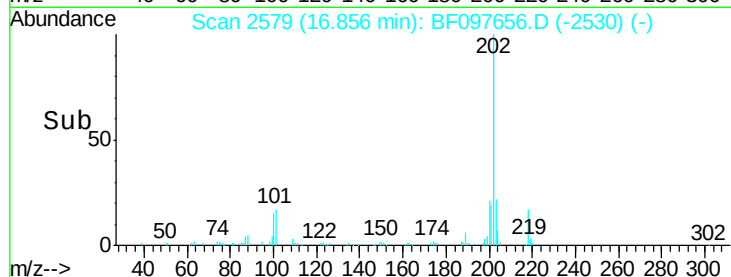
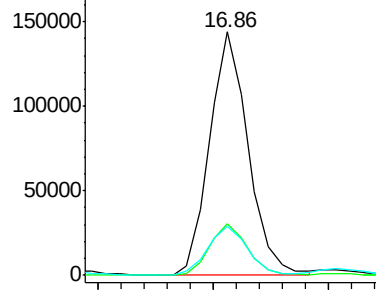
ClientSampleId :

NYSEG-PH4-ESMI-5BDL

Tot Ion:	202	Resp:	167611
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	20.4	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: 0.16 ng

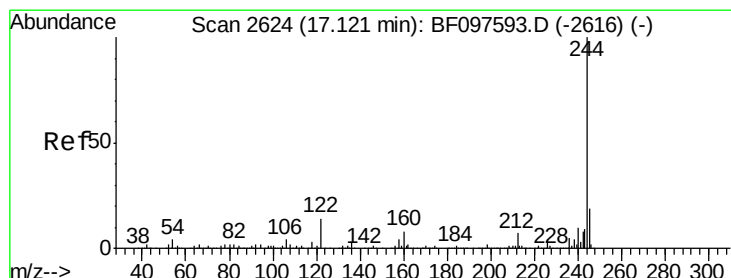
RT: 17.10 min Scan# 2621

Delta R.T. -0.02 min

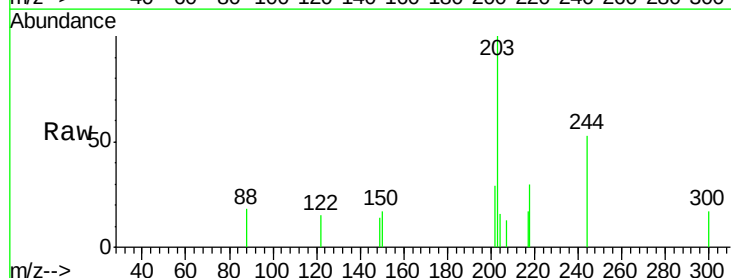
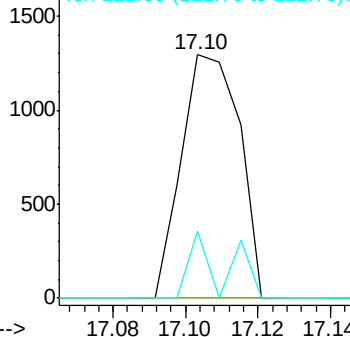
Lab File: BF097656.D

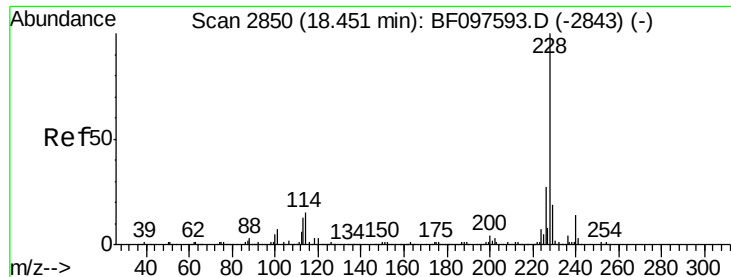
Acq: 13 Aug 2017 5:08

Tgt Ion:	244	Resp:	1437
Ion	Ratio	Lower	Upper
244	100		
212	0.0	6.0	9.0#
122	27.6	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: 6.40 ng

RT: 18.48 min Scan# 2855

Delta R.T. 0.03 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-5BDL

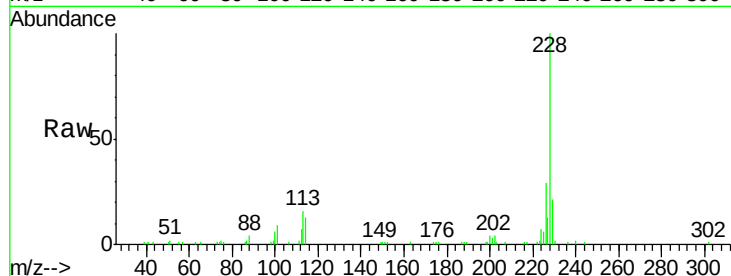
Tot Ion:228 Resp: 67642

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

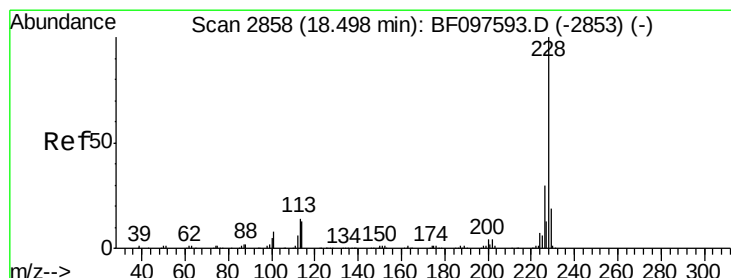
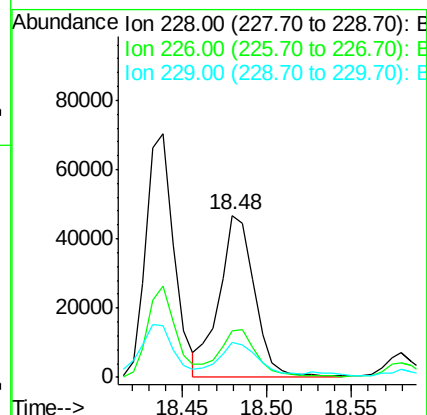
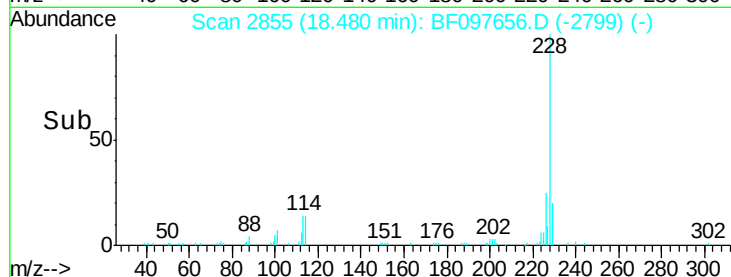
229 21.4 16.3 24.5



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: 6.44 ng

RT: 18.48 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

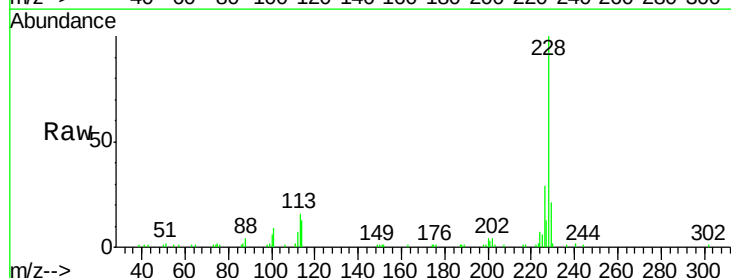
Tgt Ion:228 Resp: 67642

Ion Ratio Lower Upper

228 100

226 28.6 24.9 37.3

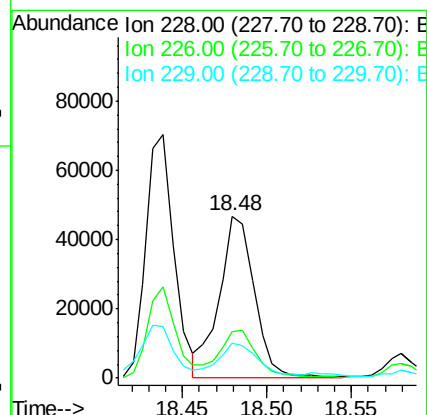
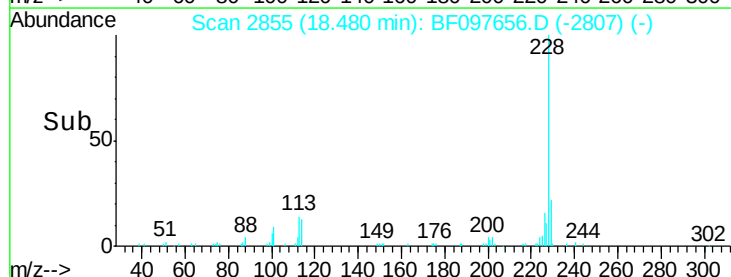
229 21.4 15.8 23.6

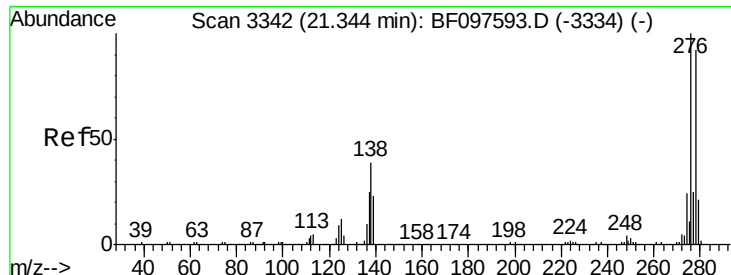


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

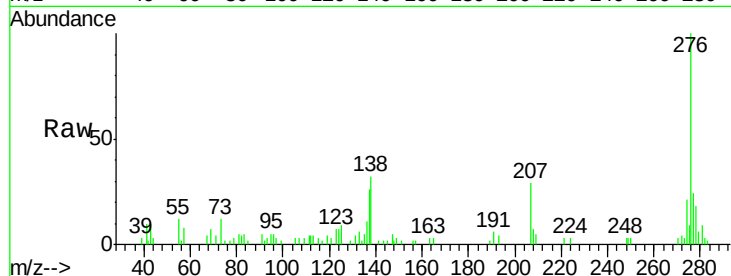




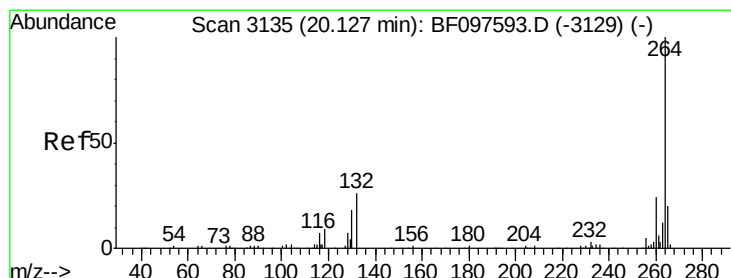
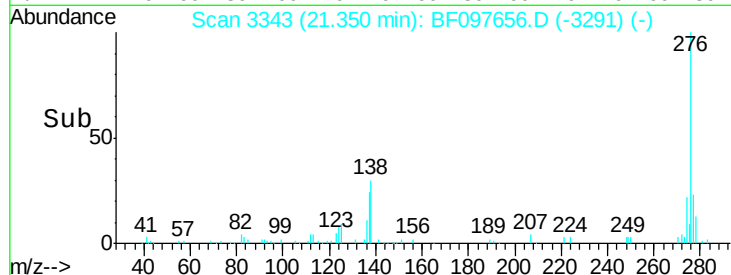
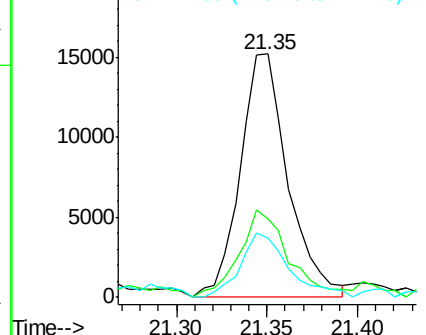
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.41 ng
 RT: 21.35 min Scan# 3343
 Delta R.T. 0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.4	27.8	41.6
277	26.7	20.2	30.4

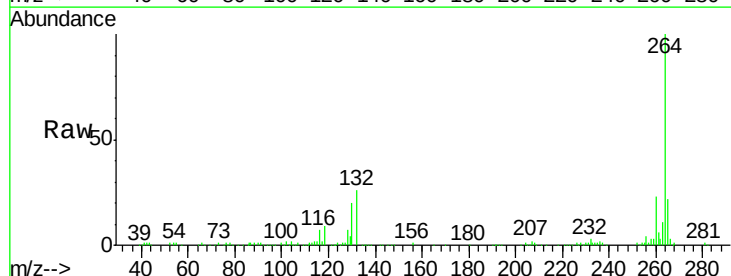


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

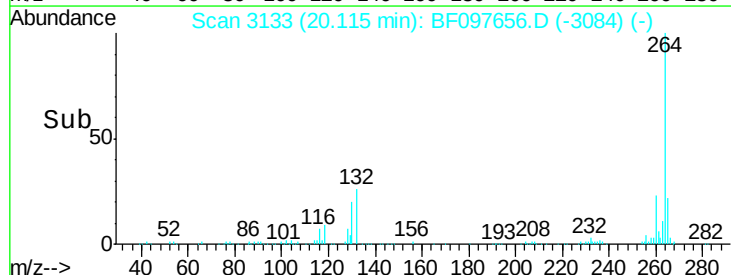
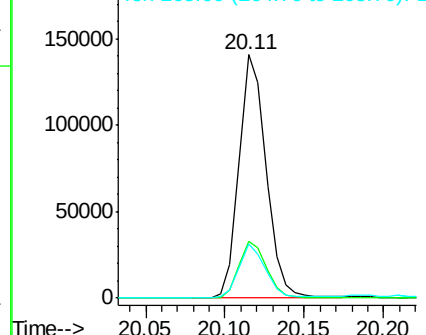


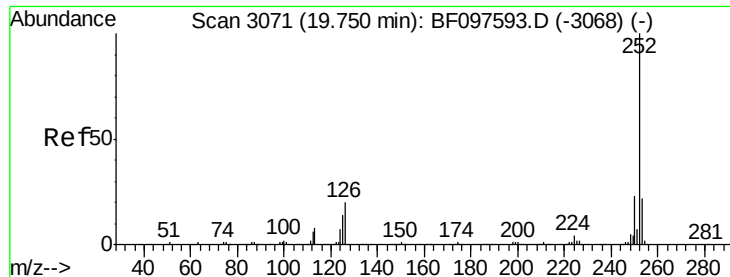
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.11 min Scan# 3133
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.3	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





#88

Benzo(k)fluoranthene

Concen: 9.42 ng

RT: 19.71 min Scan# 3065

Delta R.T. -0.04 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-5BDL

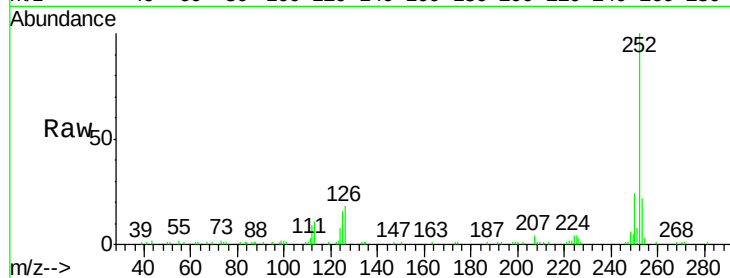
Tot Ion:252 Resp: 95665

Ion Ratio Lower Upper

252 100

253 21.9 18.4 27.6

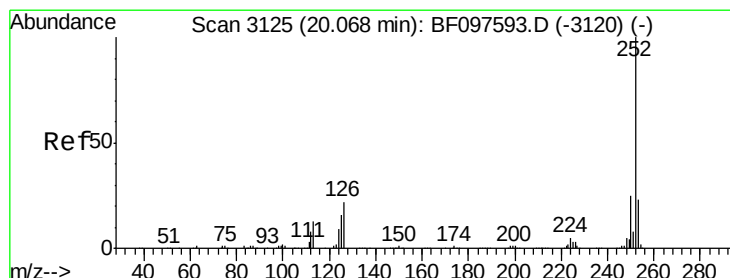
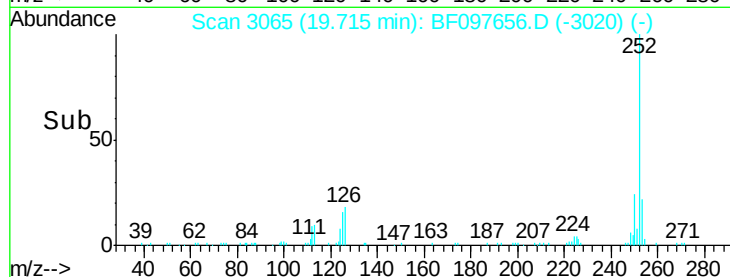
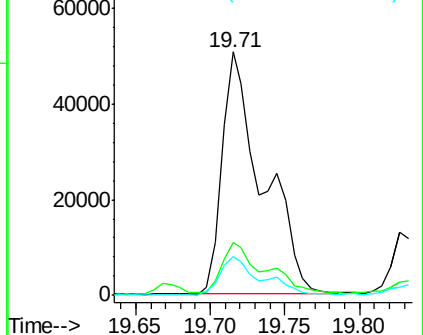
125 15.9 13.1 19.7



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



#89

Benzo(a)pyrene

Concen: 6.47 ng

RT: 20.07 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

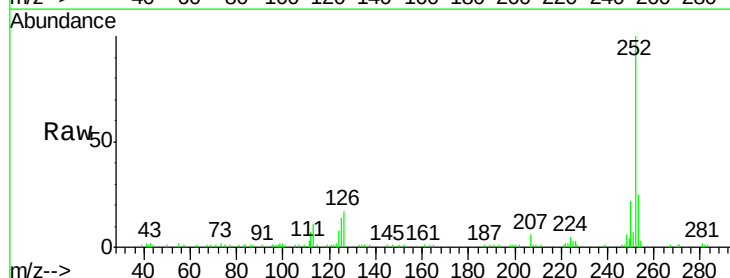
Tgt Ion:252 Resp: 59906

Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

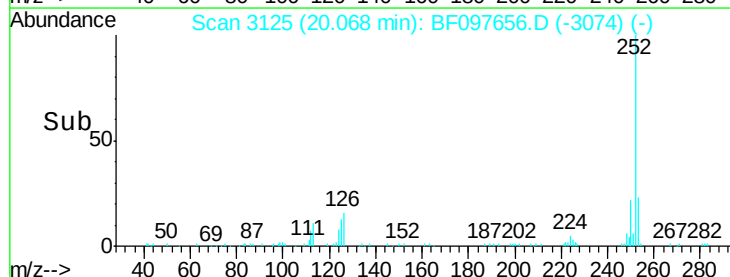
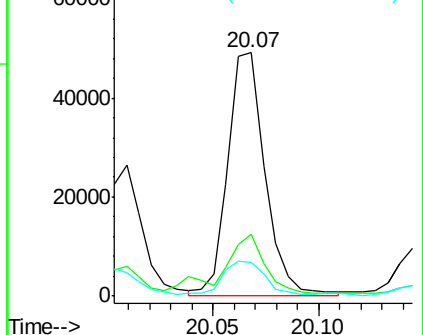
125 13.8 11.0 16.4

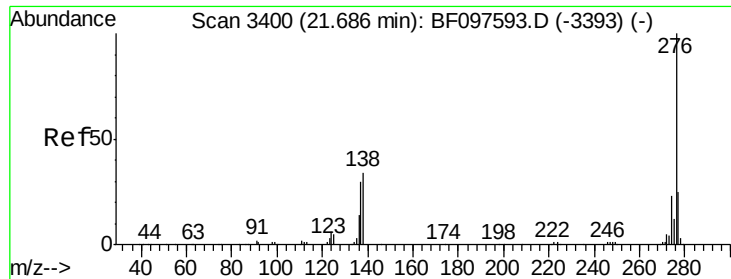


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.45 ng

RT: 21.70 min Scan# 3402

Delta R.T. 0.01 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-5BDL

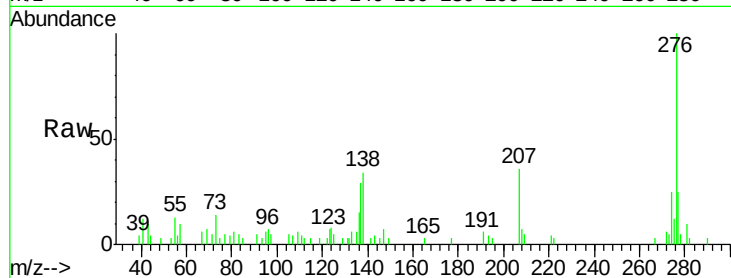
Tot Ion: 276 Resp: 25055

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 34.3 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

