

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097662.D
 Acq On : 13 Aug 2017 8:25
 Operator : SJ/JU
 Sample : I4697-15DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-9BDL

Manual Integrations
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Quant Time: Aug 14 07:52:54 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	132283	20.00	ng	-0.01
21) Naphthalene-d8	9.53	136	554572	20.00	ng	-0.01
38) Acenaphthene-d10	12.35	164	223841	20.00	ng	-0.02
63) Phenanthrene-d10	14.75	188	325648	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	206180	20.00	ng	-0.01
86) Perylene-d12	20.12	264	195828	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	50994	6.13	ng	0.08
7) Phenol-d6	7.12	99	81966	7.94	ng	0.06
23) Nitrobenzene-d5	8.44	82	45230	5.11	ng	0.02
41) 2,4,6-Tribromophenol	13.66	330	9377	5.51	ng	0.00
44) 2-Fluorobiphenyl	11.30	172	68389	4.61	ng	-0.02
78) Terphenyl-d14	17.10	244	34274	3.44	ng	-0.02
Target Compounds						
31) Naphthalene	9.57	128	75028	2.701	ng	99
48) Acenaphthylene	12.13	152	57013	2.432	ng	98
51) Acenaphthene	12.40	154	125766	8.953	ng	99
54) Dibenzofuran	12.70	168	107431	5.463	ng	96
57) Fluorene	13.24	166	179353	11.089	ng	99
70) Phenanthrene	14.80	178	1048433	55.899	ng	98
71) Anthracene	14.87	178	401871	20.941	ng	99
72) Carbazole	15.17	167	92877	5.084	ng	98
74) Fluoranthene	16.56	202	928951	54.811	ng	98
77) Pyrene	16.86	202	713530	41.849	ng	99
80) Benzo(a)anthracene	18.44	228	357931	29.724	ng	95
82) Chrysene	18.49	228	330341	27.581	ng	98
85) Indeno(1,2,3-cd)pyrene	21.33	276	117291	12.591	ng	98
87) Benzo(b)fluoranthene	19.72	252	340103m	28.923	ng	
88) Benzo(k)fluoranthene	19.74	252	107783m	9.101	ng	
89) Benzo(a)pyrene	20.06	252	269142	24.936	ng	98
90) Dibenzo(a,h)anthracene	21.33	278	33694	4.360	ng	# 77
91) Benzo(g,h,i)perylene	21.68	276	102906	12.139	ng	95

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

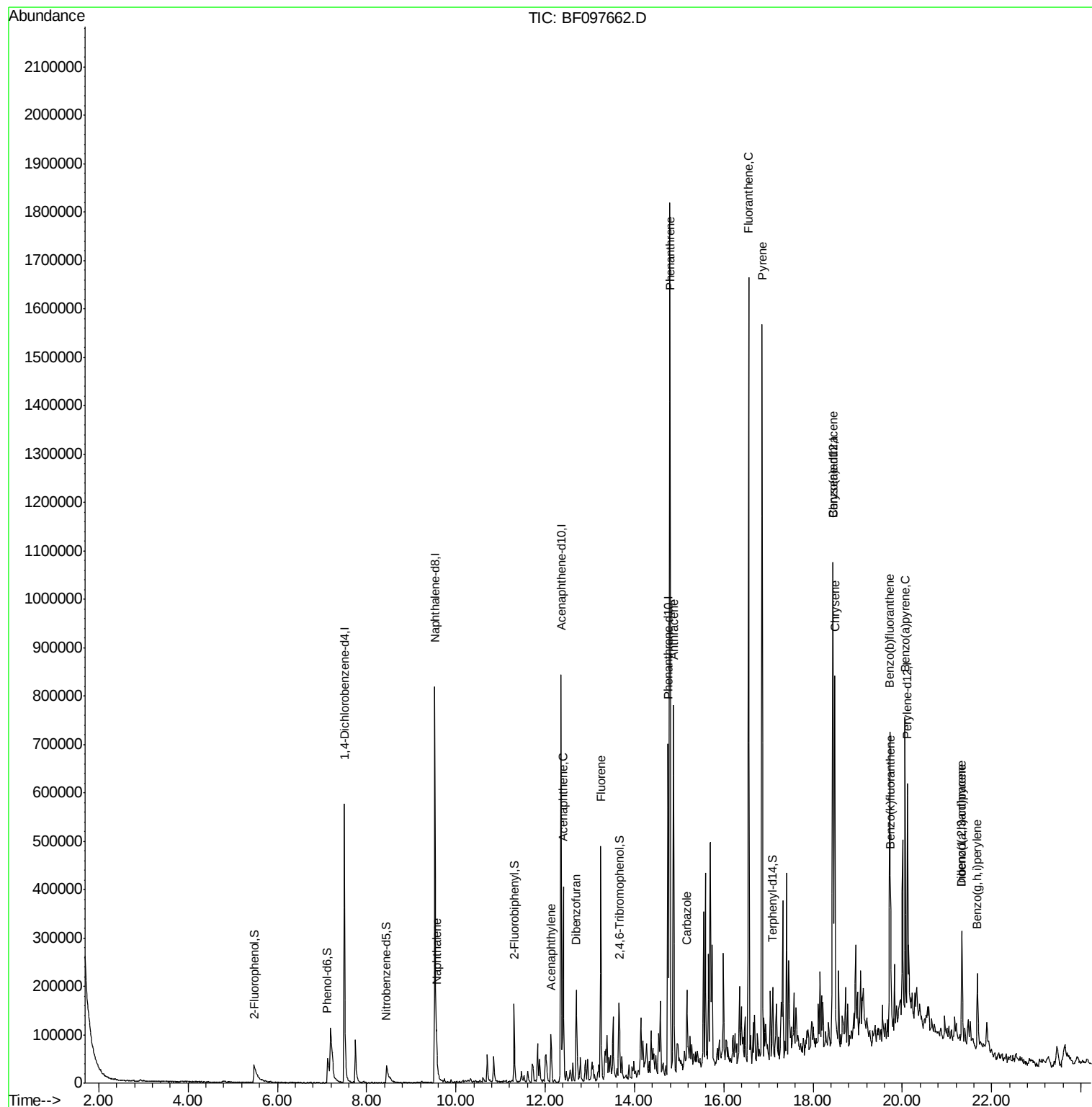
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
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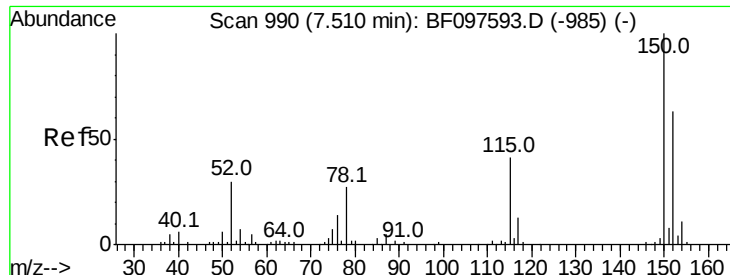
Instrument :
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NYSEG-PH4-ESMI-9BDL

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#1

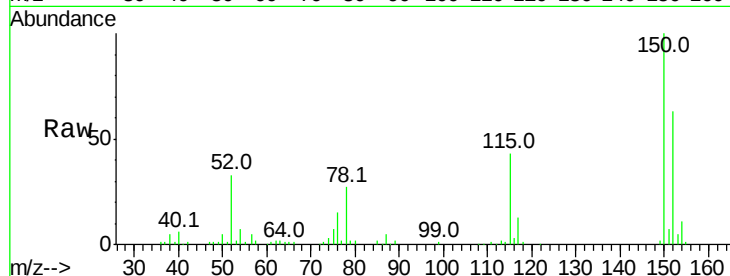
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.50 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-9BDL

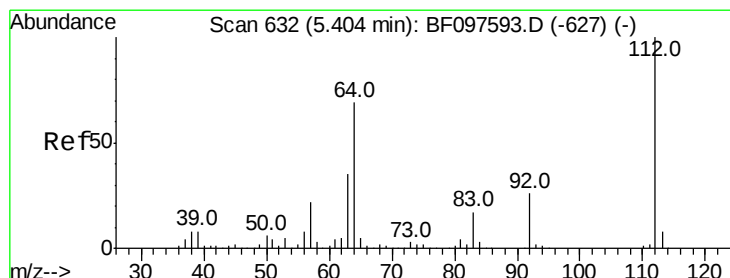
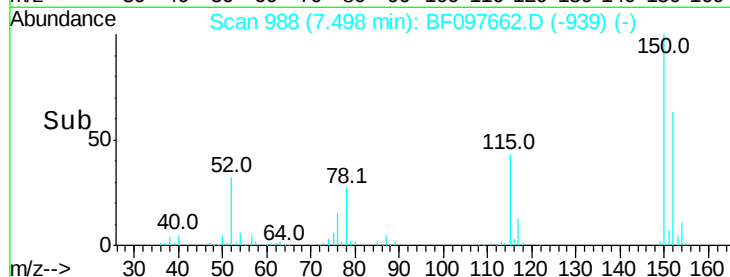
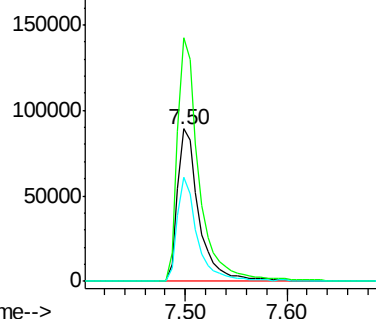
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.2	189.2
115	67.9	52.2	78.2

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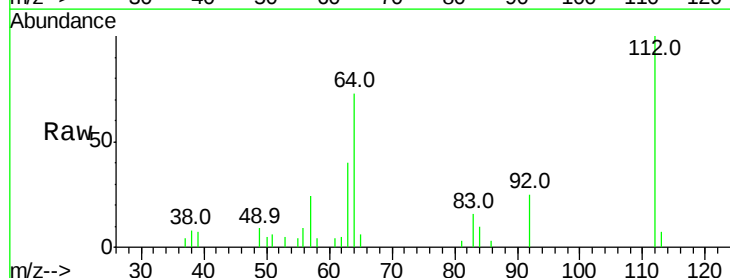
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



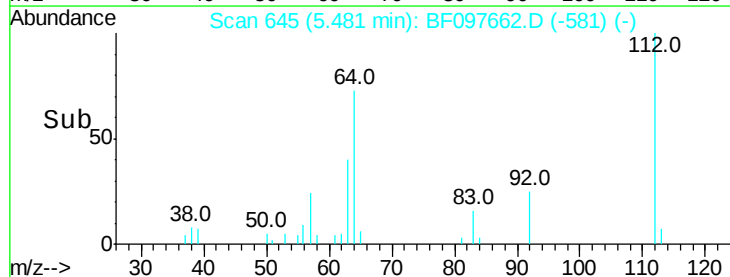
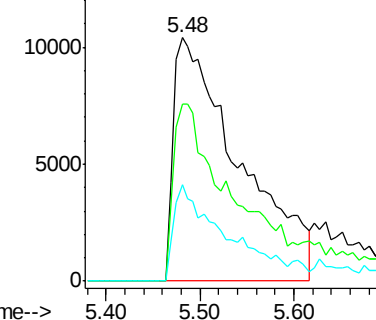
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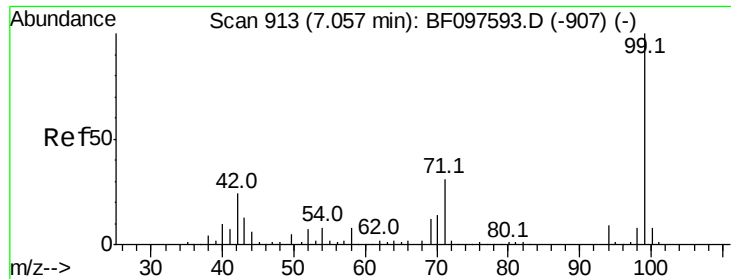
2-Fluorophenol
Concen: 6.127 ng
RT: 5.48 min Scan# 645
Delta R.T. 0.08 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.9	46.0	69.0#
63	39.7	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: 7.939 ng

RT: 7.12 min Scan# 923

Delta R.T. 0.06 min

Lab File: BF097662.D

Acq: 13 Aug 2017 8:25

Instrument :

BNA_F

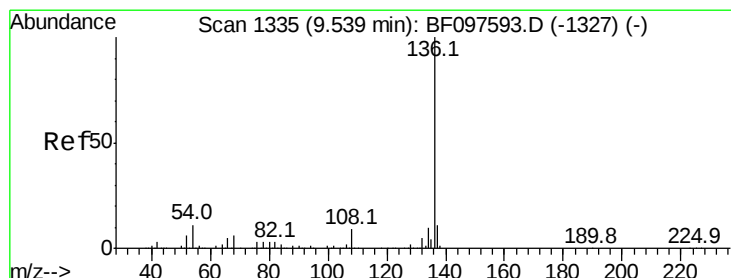
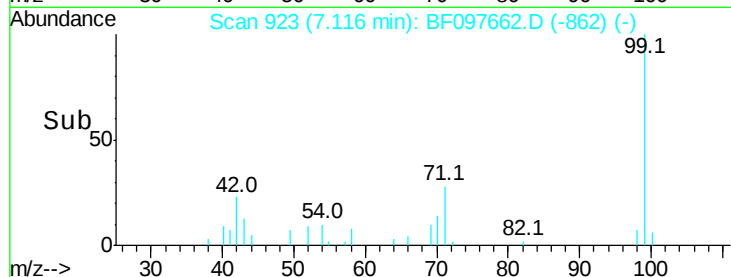
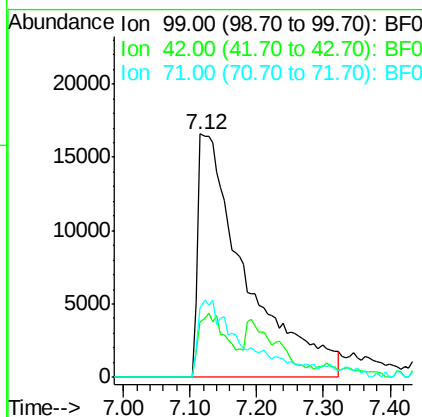
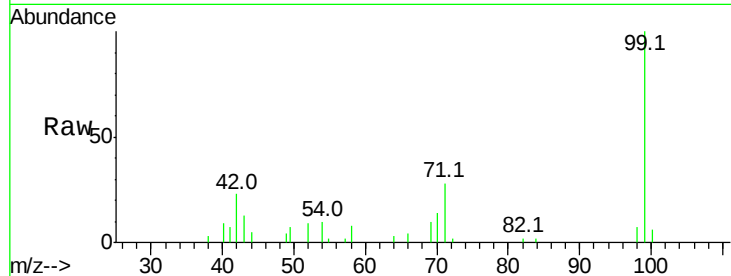
ClientSampleId :

NYSEG-PH4-ESMI-9BDL

Tot Ion:	99	Resp:	81966
Ion Ratio	Lower	Upper	
99	100		
42	22.6	13.5	20.3#
71	28.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

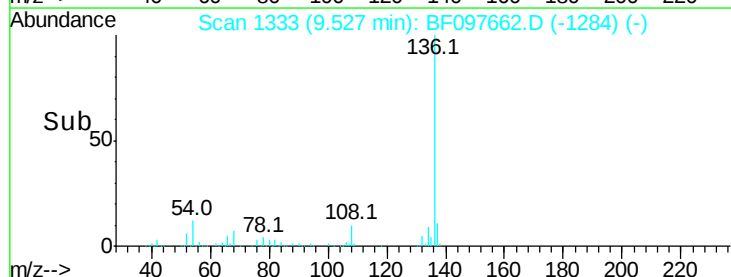
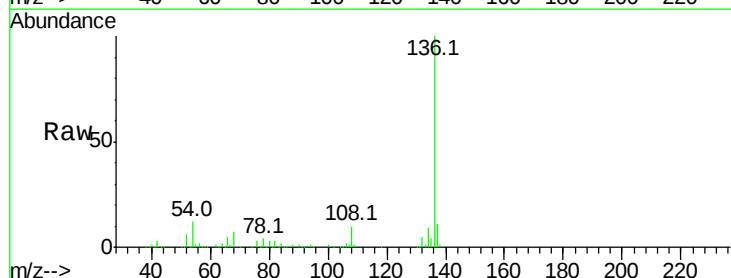
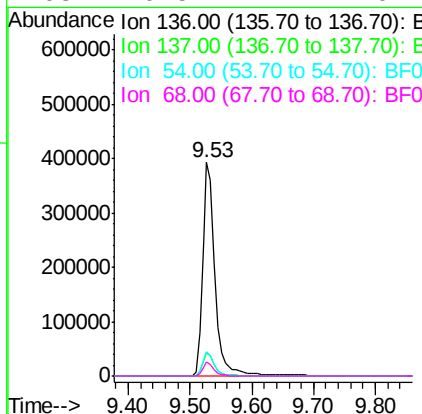
RT: 9.53 min Scan# 1333

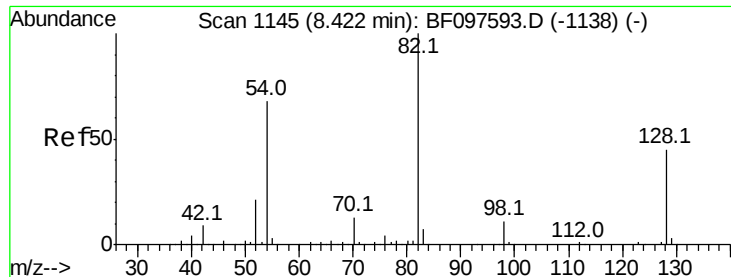
Delta R.T. -0.01 min

Lab File: BF097662.D

Acq: 13 Aug 2017 8:25

Tgt Ion:	136	Resp:	554572
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	11.6	4.9	7.3#
68	6.5	4.1	6.1#





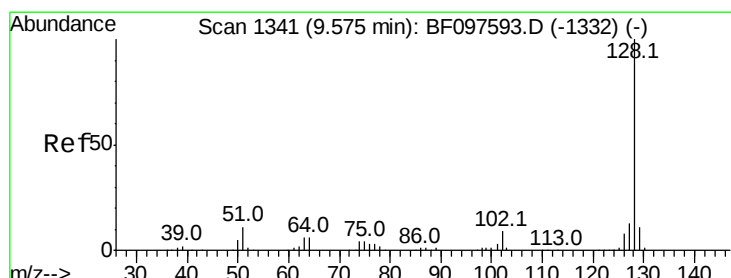
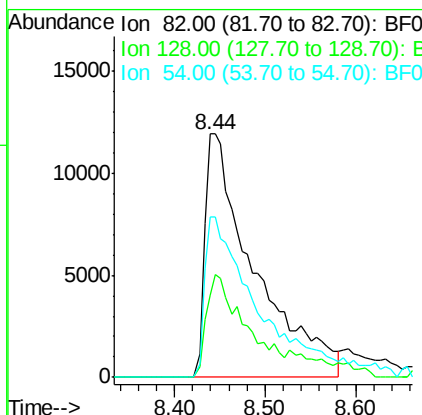
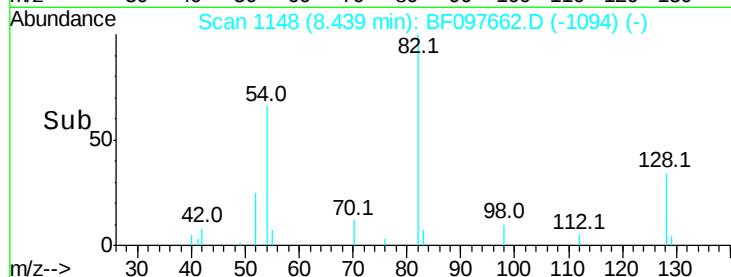
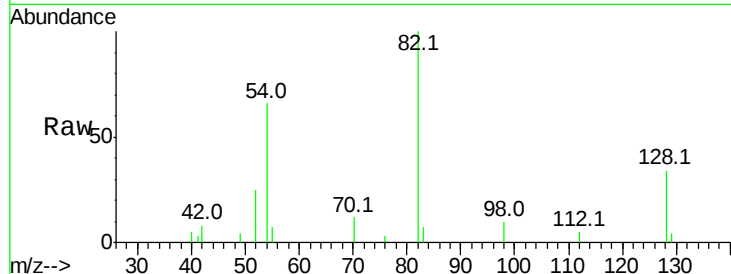
#23
Nitrobenzene-d5
Concen: 5.114 ng
RT: 8.44 min Scan# 1148
Delta R.T. 0.02 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-9BDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.8	34.0	51.0#
54	65.9	42.2	63.2#

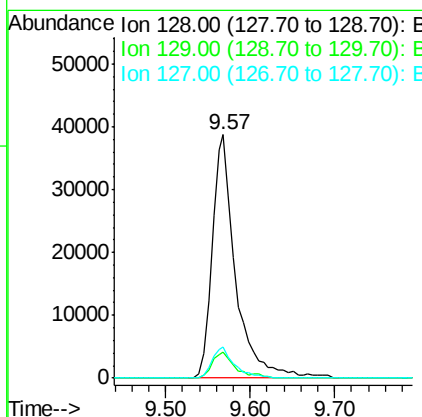
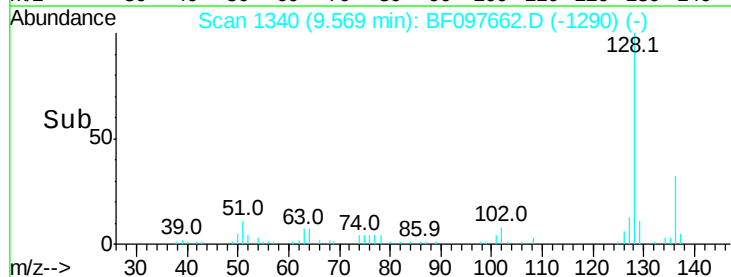
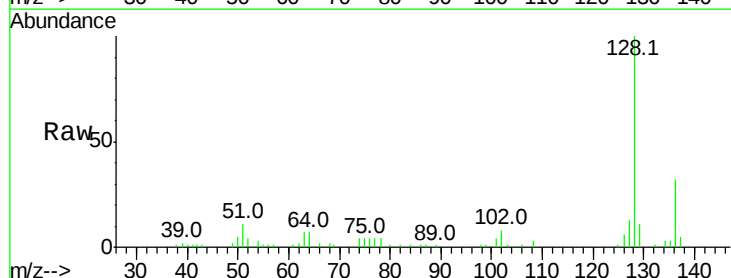
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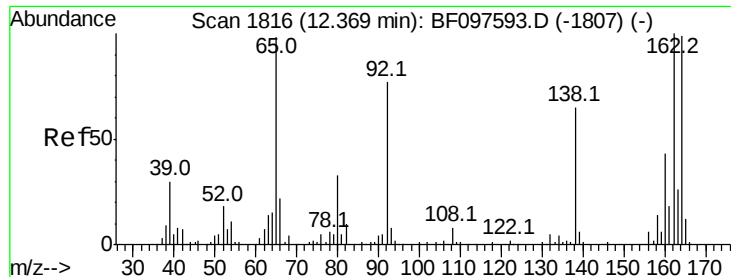
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#31
Naphthalene
Concen: 2.701 ng
RT: 9.57 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF097662.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.0	10.8	16.2





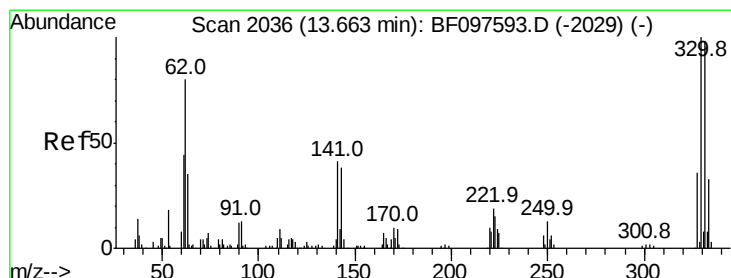
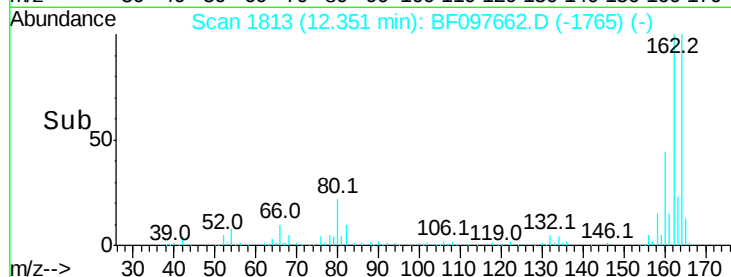
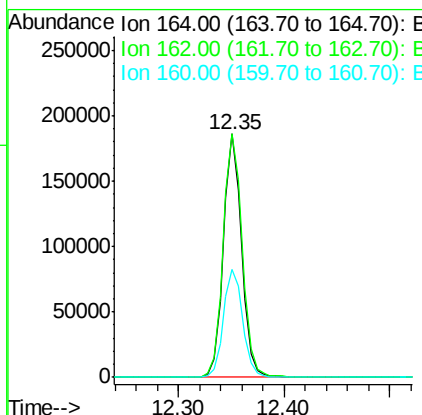
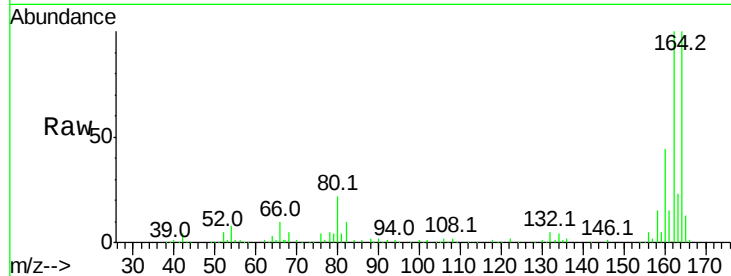
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.35 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-9BDL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.9	82.6	123.8	
160	44.4	36.2	54.2	

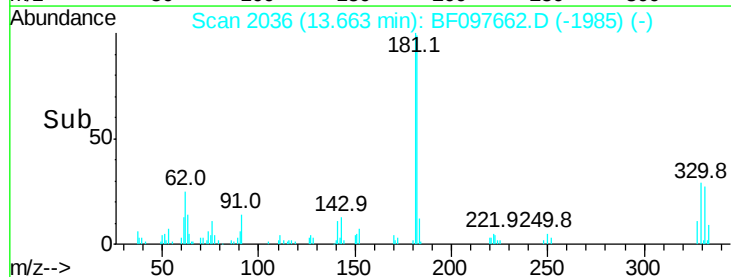
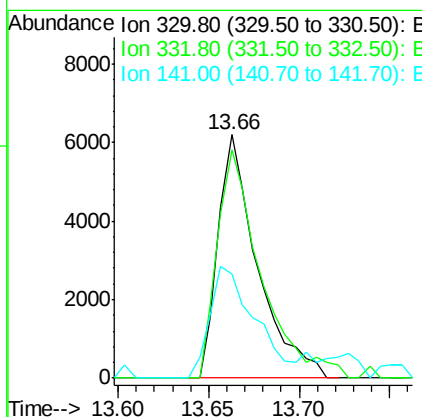
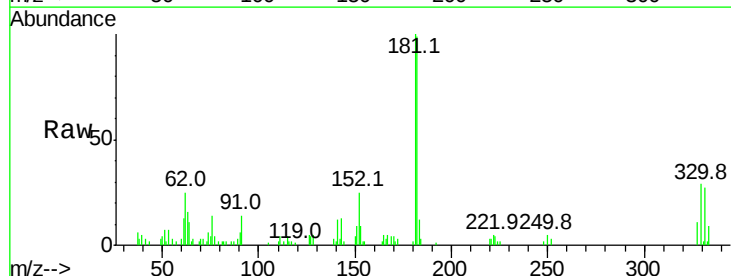
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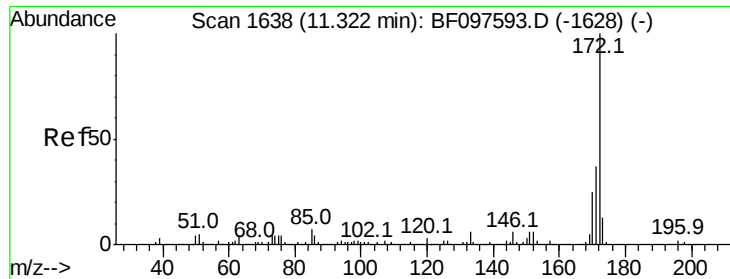
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#41
2,4,6-Tribromophenol
Concen: 5.511 ng
RT: 13.66 min Scan# 2036
Delta R.T. -0.00 min
Lab File: BF097662.D
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.8	76.6	115.0	
141	53.0	31.4	47.2	





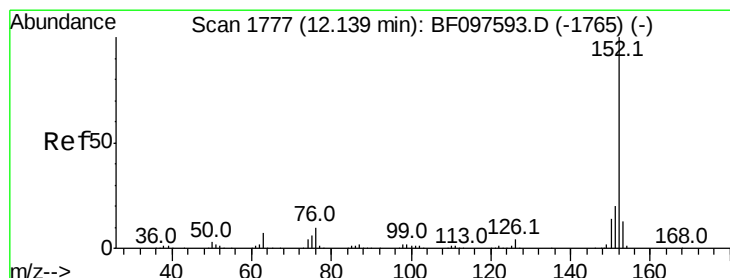
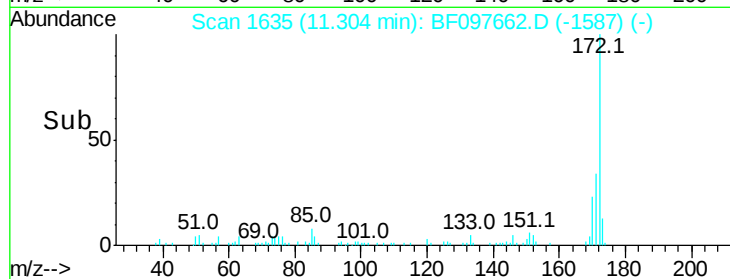
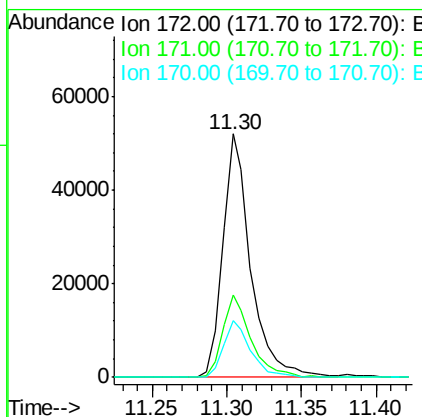
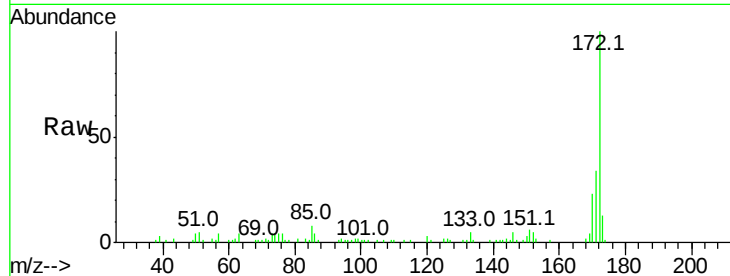
#44
2-Fluorobiphenyl
Concen: 4.611 ng
RT: 11.30 min Scan# 1635
Delta R.T. -0.02 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-9BDL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	68389		
171	33.8		29.6	44.4
170	23.3		19.8	29.8

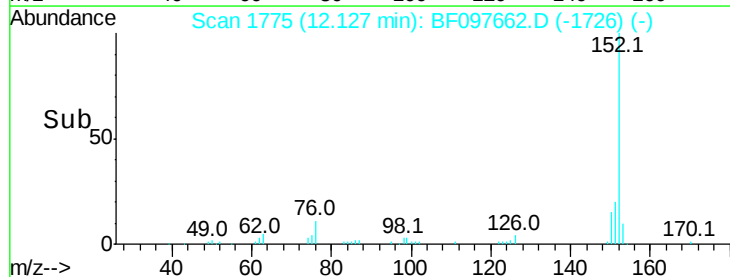
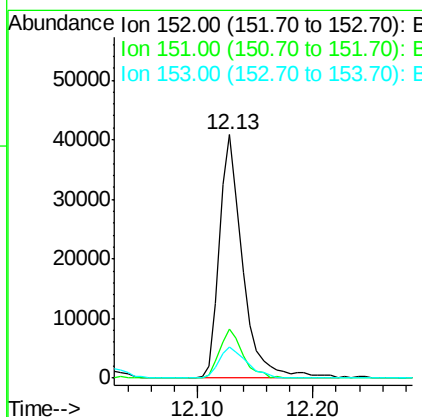
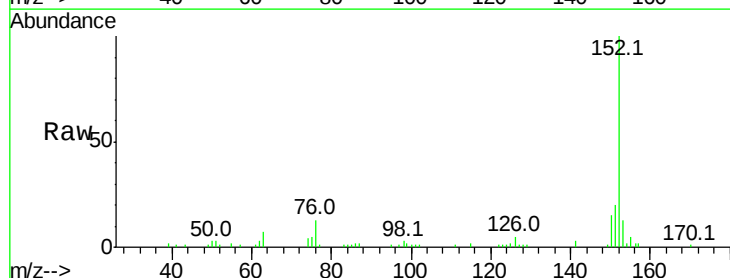
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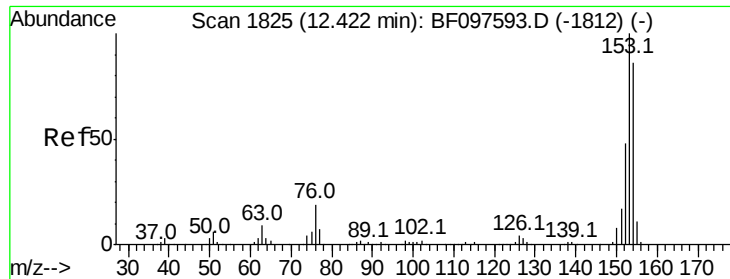
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#48
Acenaphthylene
Concen: 2.432 ng
RT: 12.13 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	57013		
151	20.2		16.8	25.2
153	12.7		10.8	16.2





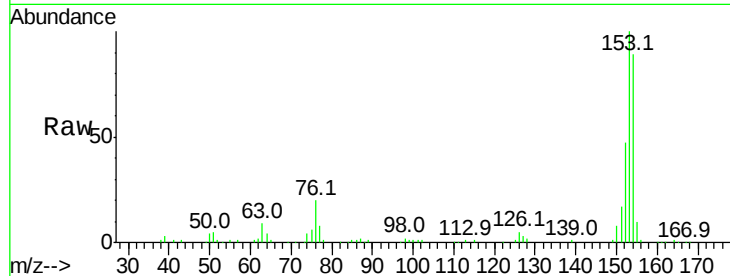
#51
Acenaphthene
Concen: 8.953 ng
RT: 12.40 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-9BDL

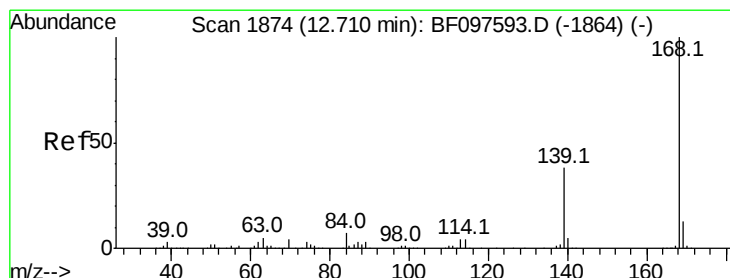
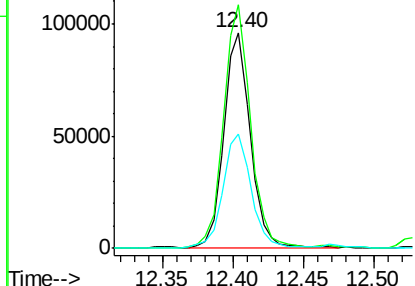
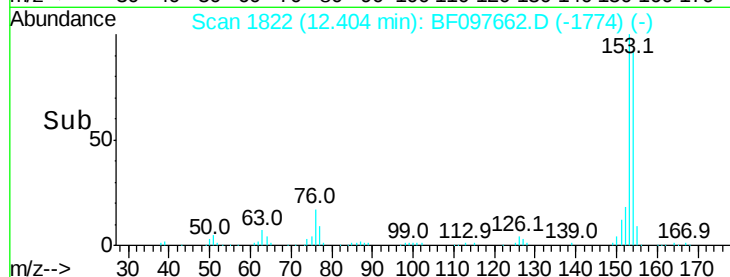
Tot Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.5	135.7
152	53.0	43.6	65.4

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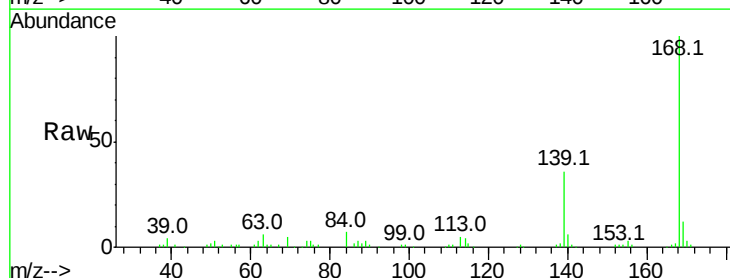


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

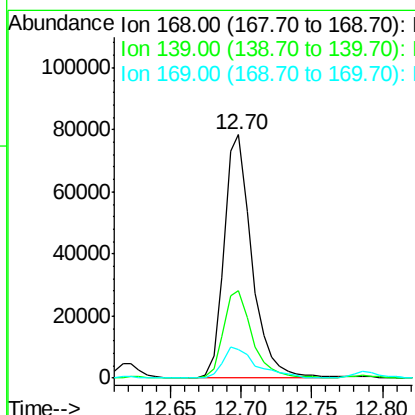
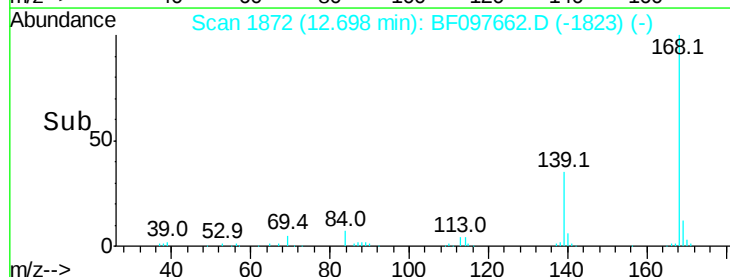


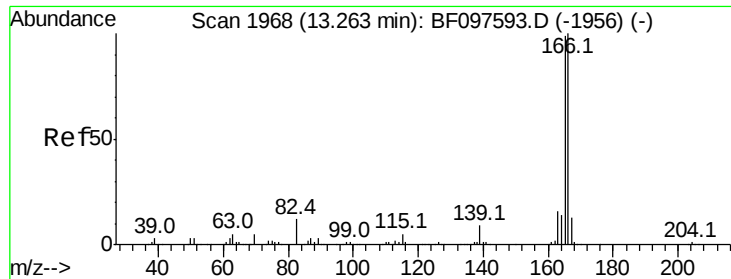
#54
Dibenzofuran
Concen: 5.463 ng
RT: 12.70 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.9	30.6	45.8
169	12.0	10.8	16.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 11.089 ng

RT: 13.24 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BF097662.D

Acq: 13 Aug 2017 8:25

Instrument :

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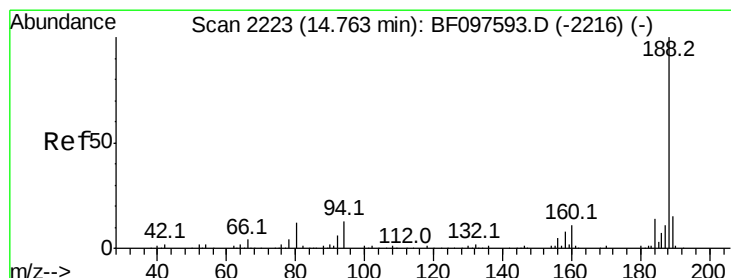
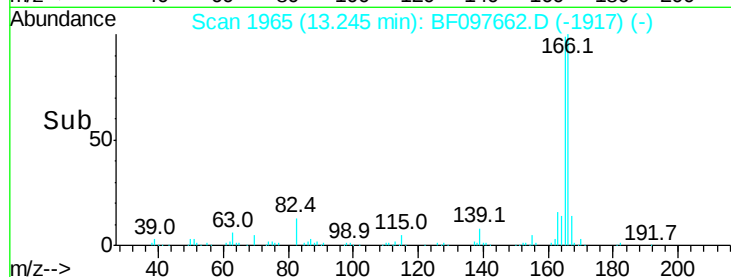
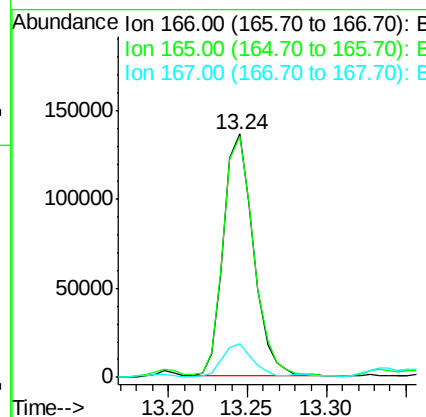
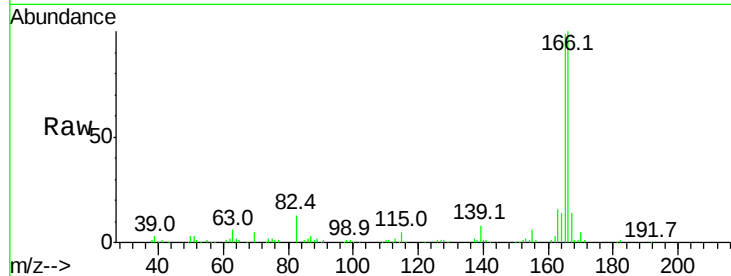
ClientSampleId :

NYSEG-PH4-ESMI-9BDL

Tot Ion:	166	Resp:	179353
Ion Ratio	Lower	Upper	
166	100		
165	99.3	78.8	118.2
167	13.8	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

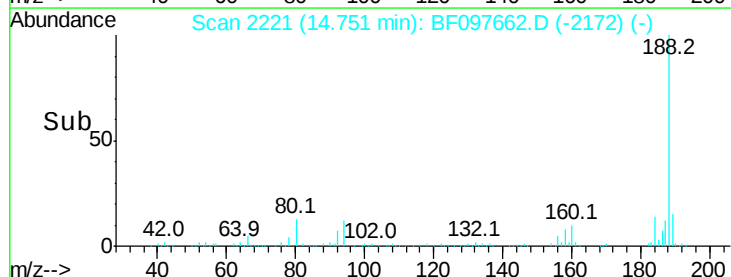
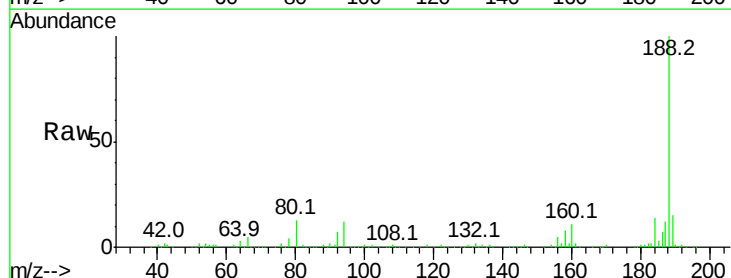
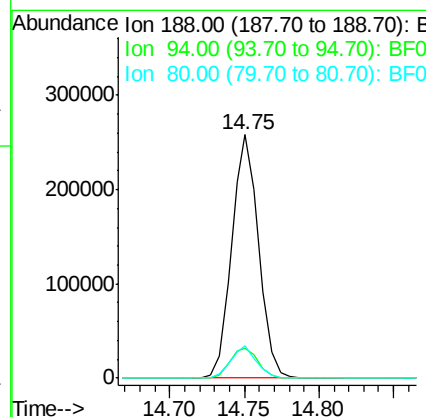
RT: 14.75 min Scan# 2221

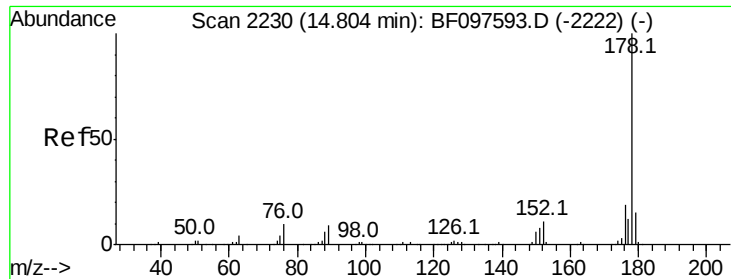
Delta R.T. -0.01 min

Lab File: BF097662.D

Acq: 13 Aug 2017 8:25

Tgt Ion:	188	Resp:	325648
Ion Ratio	Lower	Upper	
188	100		
94	12.5	9.4	14.2
80	13.1	10.2	15.2





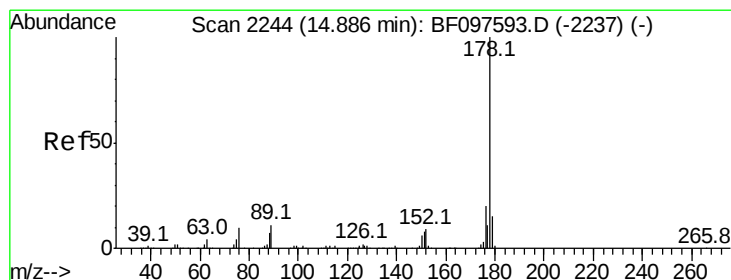
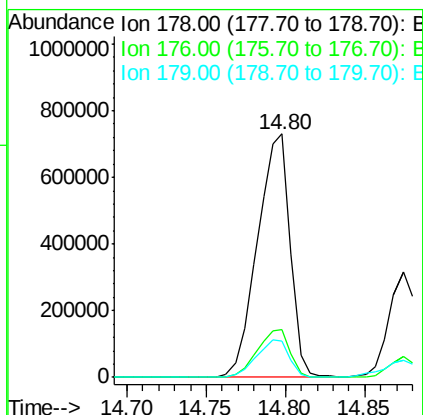
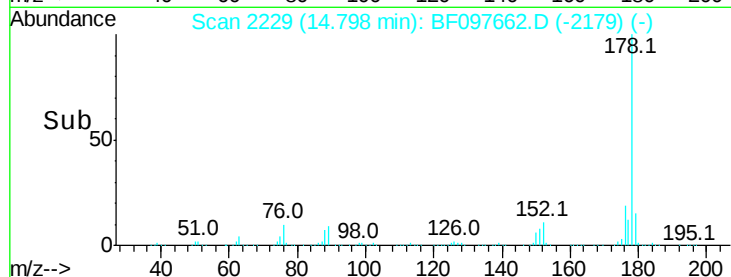
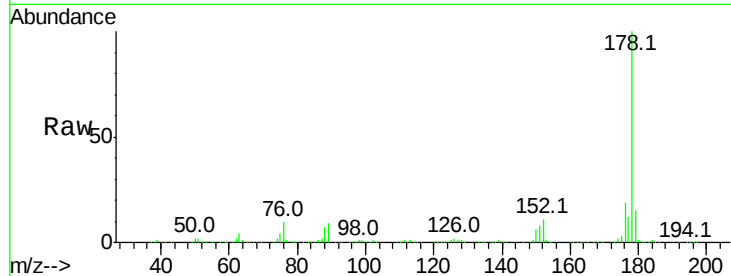
#70
Phenanthrene
Concen: 55.899 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-9BDL

Tot Ion:178 Resp: 1048433
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.0 12.6 19.0

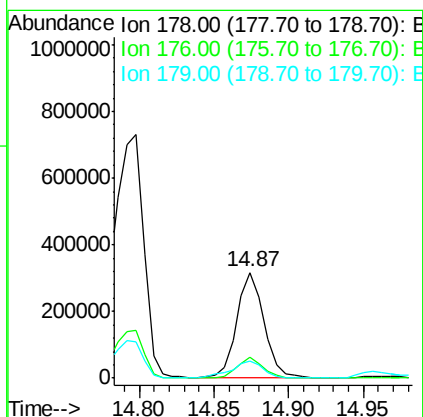
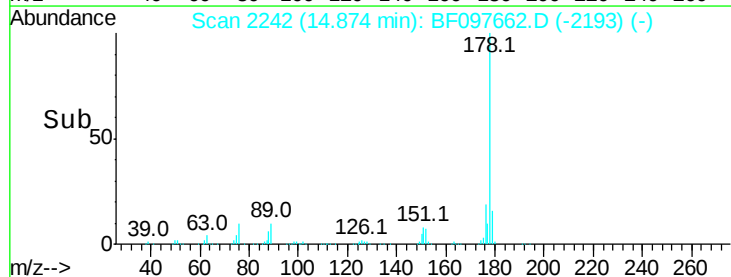
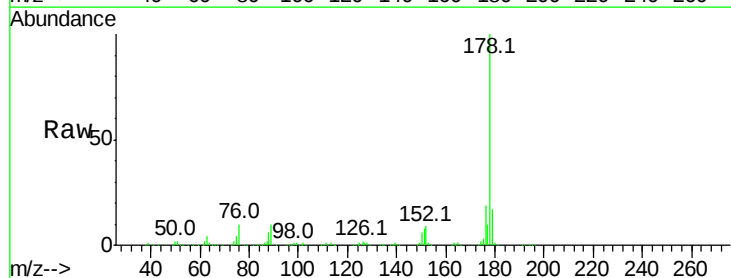
Manual Integrations
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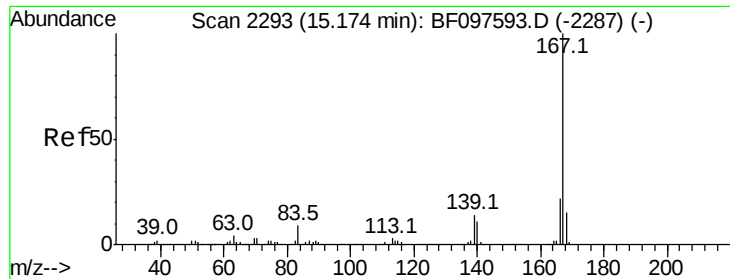
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#71
Anthracene
Concen: 20.941 ng
RT: 14.87 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Tgt Ion:178 Resp: 401871
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 16.6 12.7 19.1





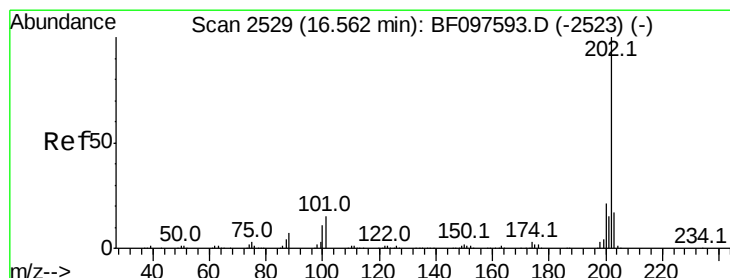
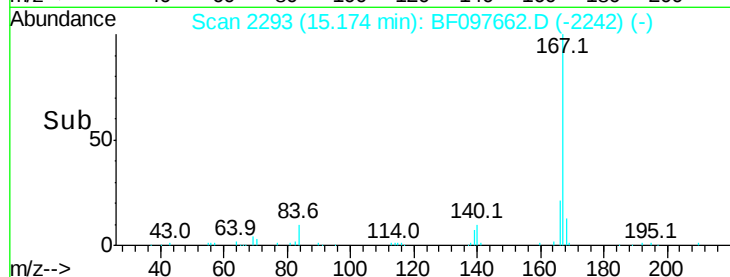
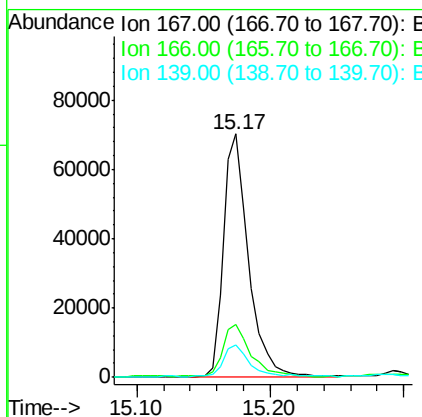
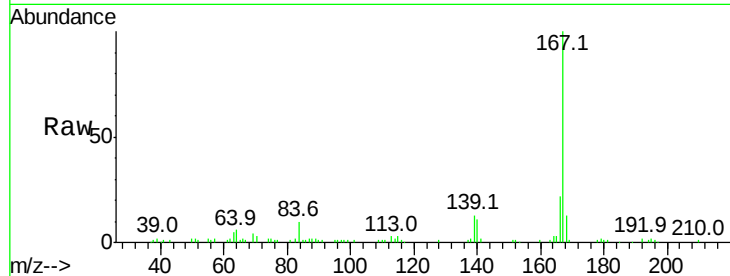
#72
 Carbazole
 Concen: 5.084 ng
 RT: 15.17 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: BF097662.D
 Acq: 13 Aug 2017 8:25

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-9BDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.1	27.1
139	13.3	11.7	17.5

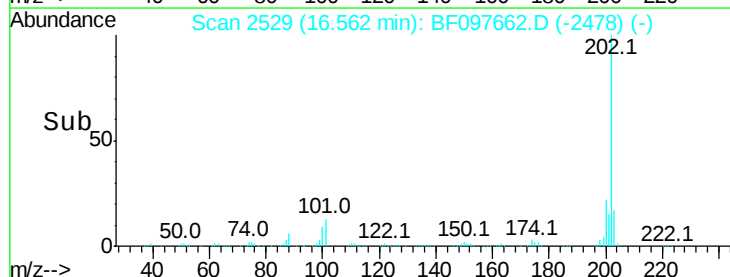
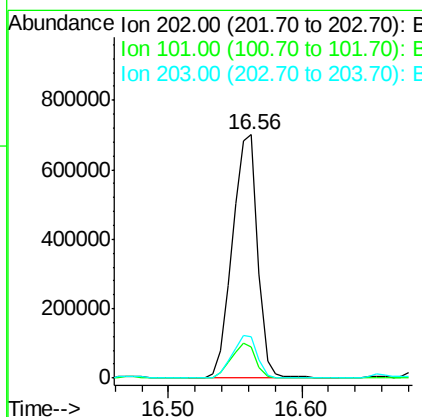
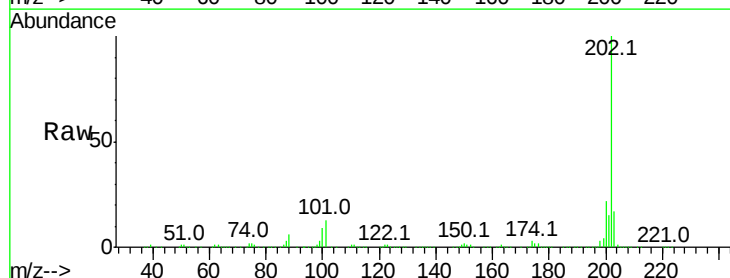
Manual Integrations
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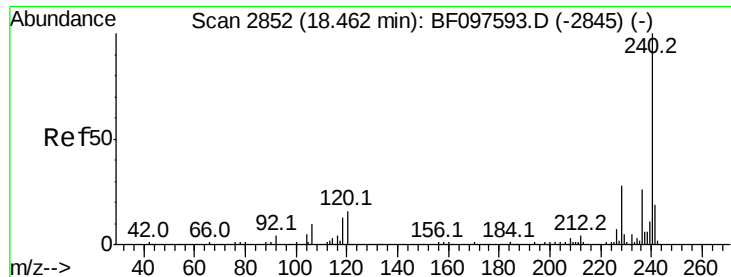
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#74
 Fluoranthene
 Concen: 54.811 ng
 RT: 16.56 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: BF097662.D
 Acq: 13 Aug 2017 8:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.45 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BF097662.D

Acq: 13 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-9BDL

Tot Ion:240 Resp: 206180

Ion Ratio Lower Upper

240 100

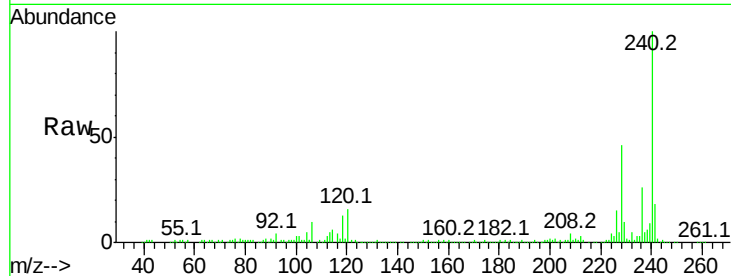
120 16.0 5.8 8.8#

236 25.9 20.5 30.7

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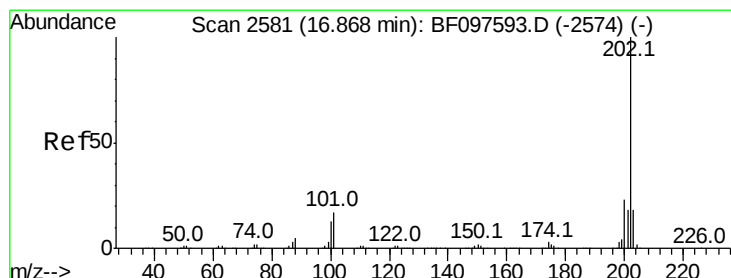
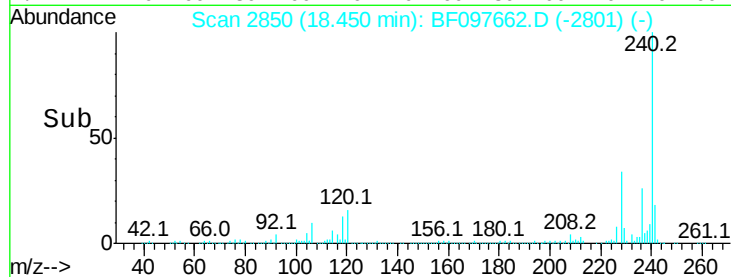
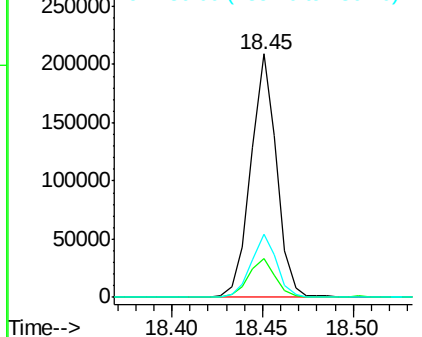
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 41.849 ng

RT: 16.86 min Scan# 2580

Delta R.T. -0.01 min

Lab File: BF097662.D

Acq: 13 Aug 2017 8:25

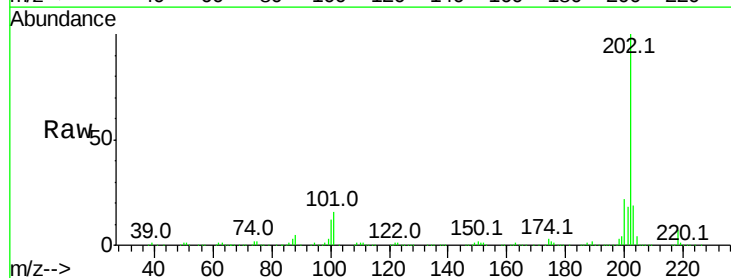
Tgt Ion:202 Resp: 713530

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

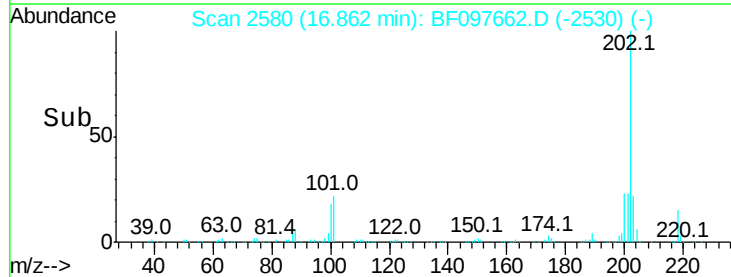
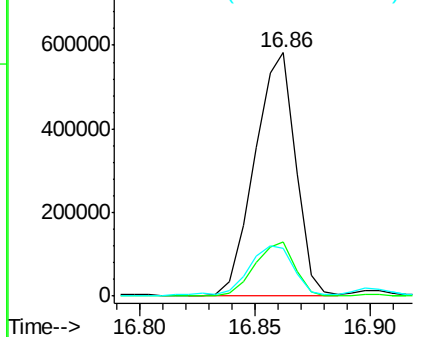
203 19.4 14.4 21.6

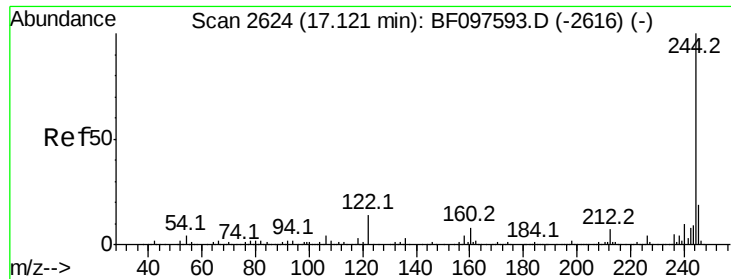


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





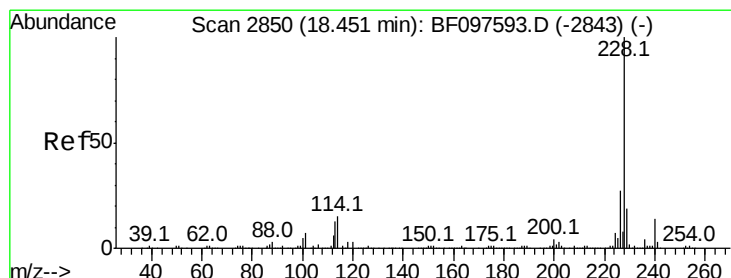
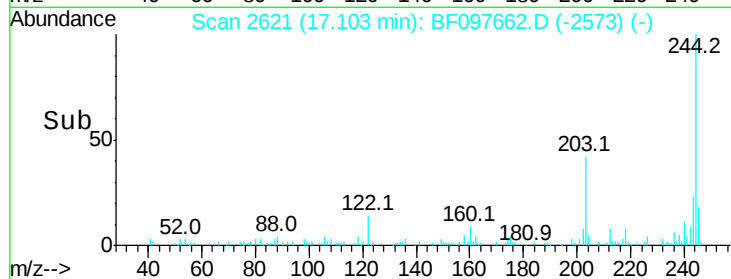
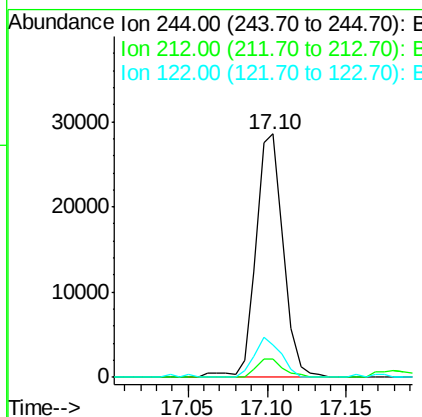
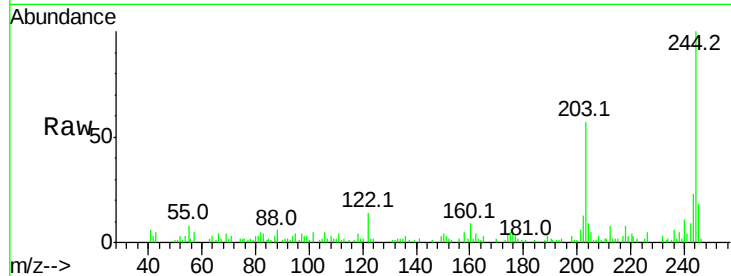
#78
 Terphenyl-d14
 Concen: 3.440 ng
 RT: 17.10 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: BF097662.D
 Acq: 13 Aug 2017 8:25

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-9BDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.5	10.3	15.5

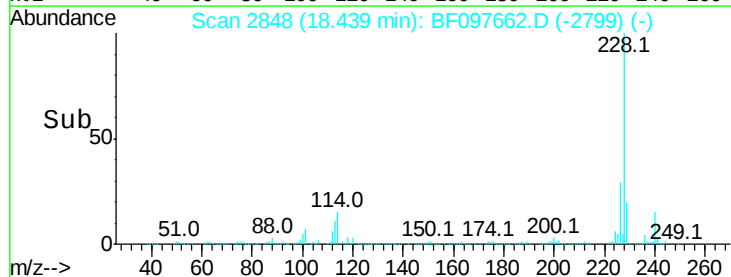
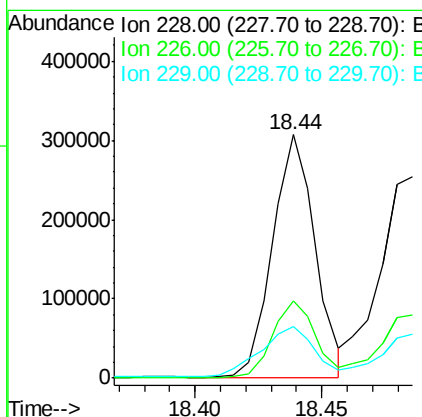
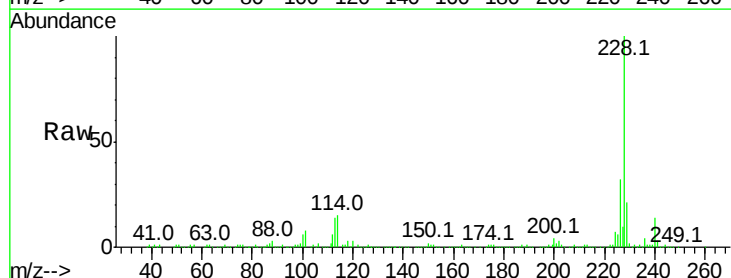
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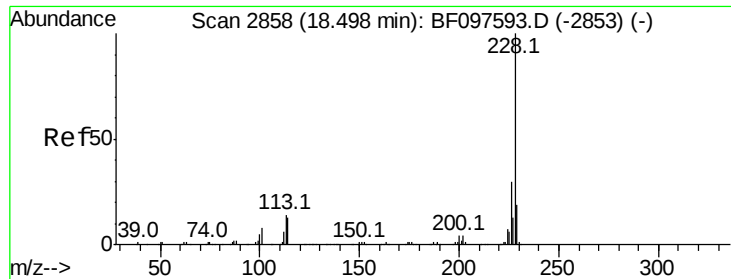
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#80
 Benzo(a)anthracene
 Concen: 29.724 ng
 RT: 18.44 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF097662.D
 Acq: 13 Aug 2017 8:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	21.3	16.3	24.5





#82

Chrysene

Concen: 27.581 ng

RT: 18.49 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BF097662.D

Acq: 13 Aug 2017 8:25

Instrument :

BNA_F

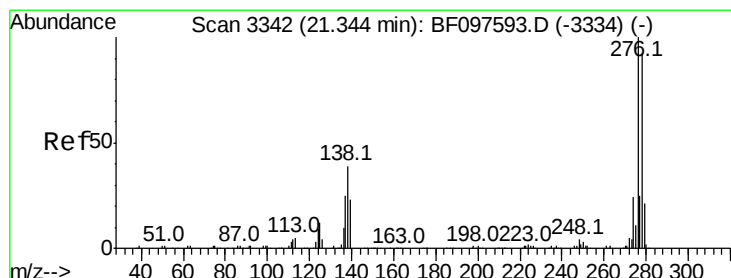
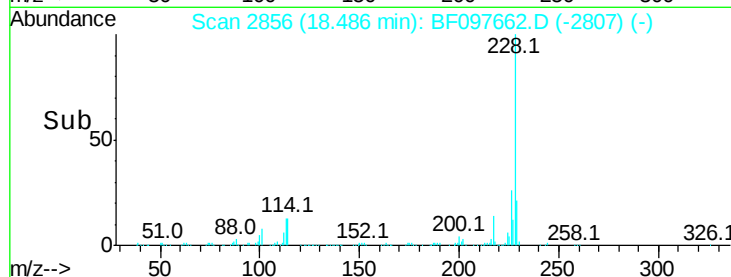
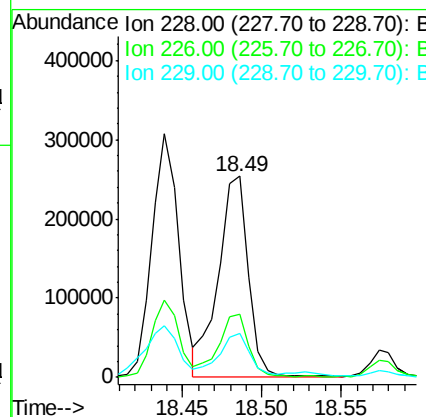
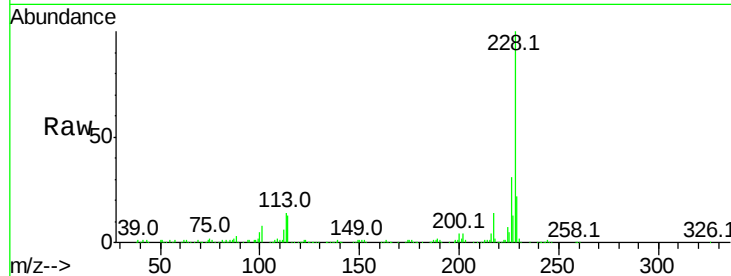
ClientSampleId :

NYSEG-PH4-ESMI-9BDL

Tot Ion:	228	Resp:	330341
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.9	37.3
229	21.6	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 12.591 ng

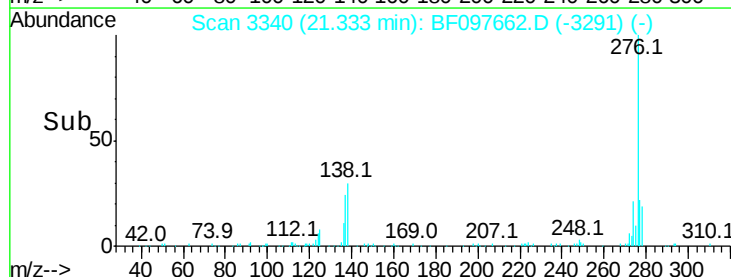
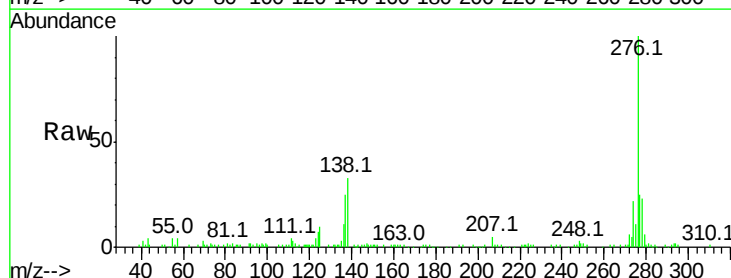
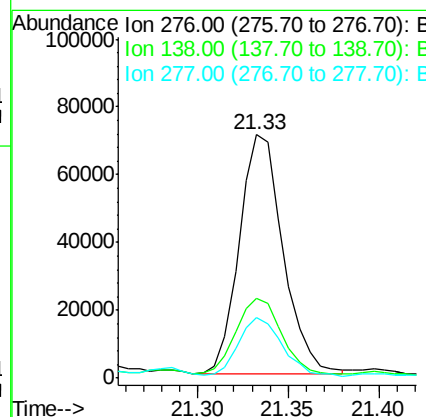
RT: 21.33 min Scan# 3340

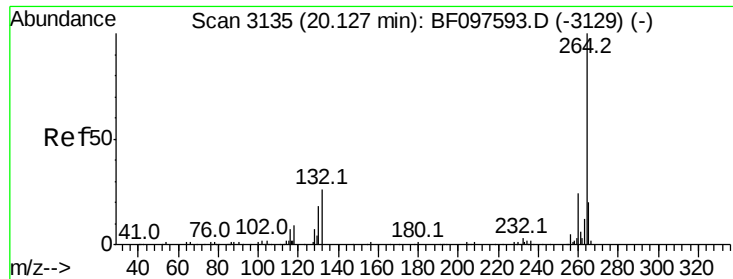
Delta R.T. -0.01 min

Lab File: BF097662.D

Acq: 13 Aug 2017 8:25

Tgt Ion:	276	Resp:	117291
Ion Ratio	Lower	Upper	
276	100		
138	33.7	27.8	41.6
277	24.3	20.2	30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 20.12 min Scan# 3134

Delta R.T. -0.01 min

Lab File: BF097662.D

Acq: 13 Aug 2017 8:25

Instrument :

BNA_F

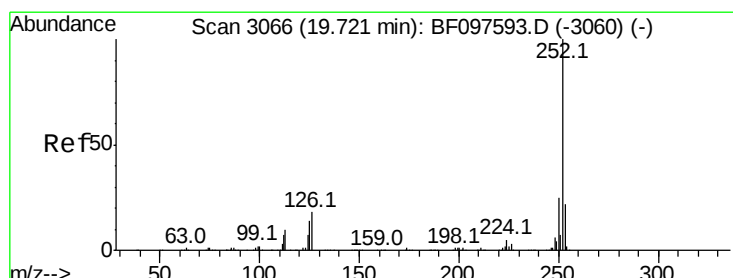
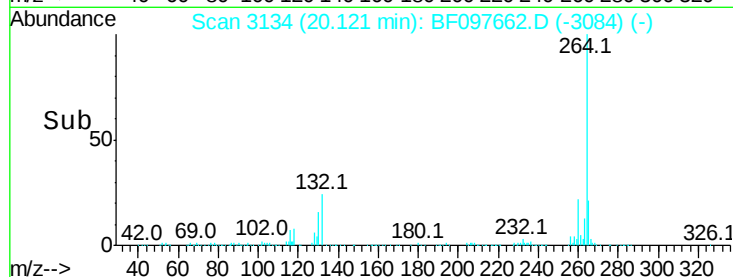
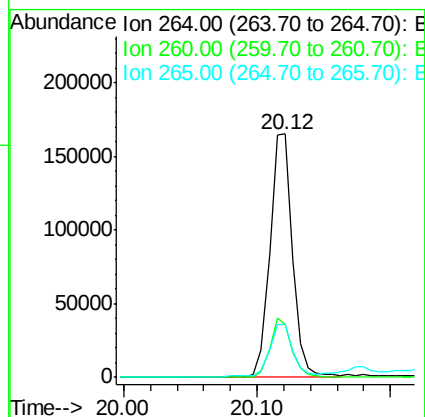
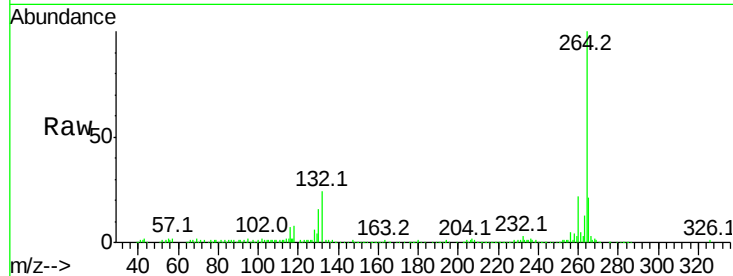
ClientSampleId :

NYSEG-PH4-ESMI-9BDL

Tot Ion:	264	Resp:	195828
Ion Ratio		Lower	Upper
264	100		
260	21.9	19.5	29.3
265	21.5	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 28.923 ng m

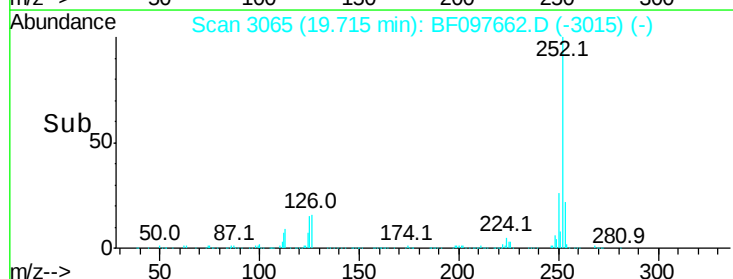
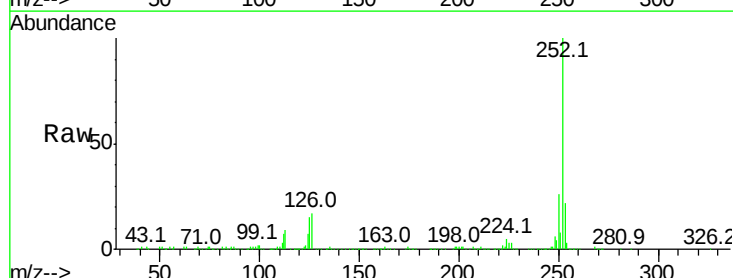
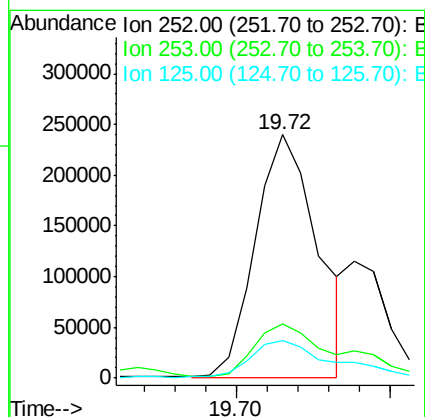
RT: 19.72 min Scan# 3065

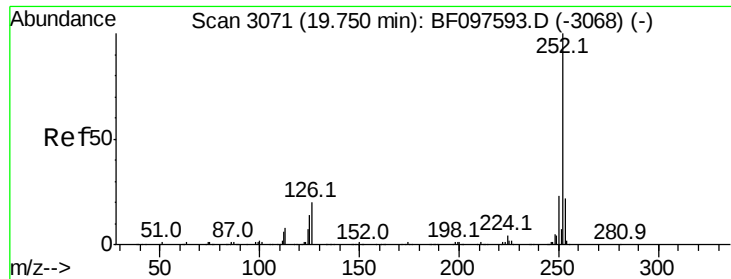
Delta R.T. -0.01 min

Lab File: BF097662.D

Acq: 13 Aug 2017 8:25

Tgt Ion:	252	Resp:	340103
Ion Ratio		Lower	Upper
252	100		
253	22.4	18.1	27.1
125	15.5	9.8	14.8#





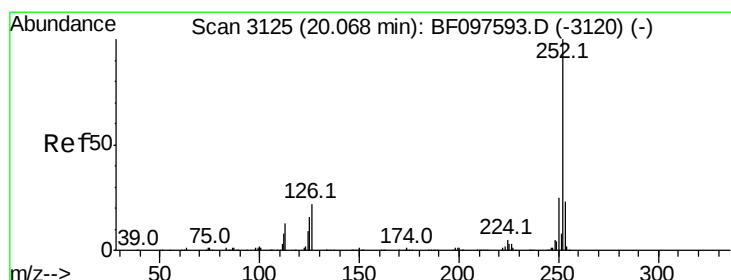
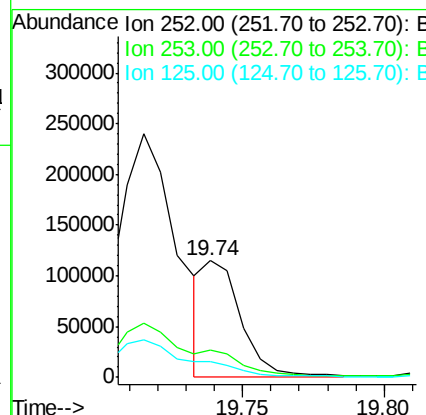
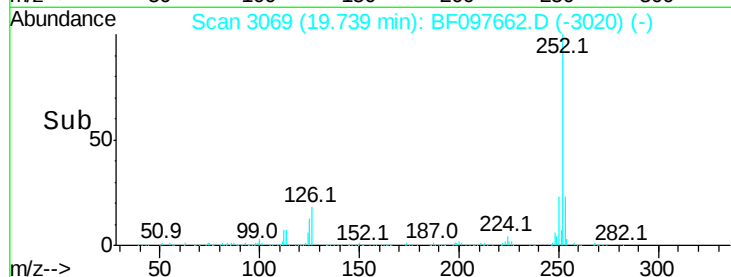
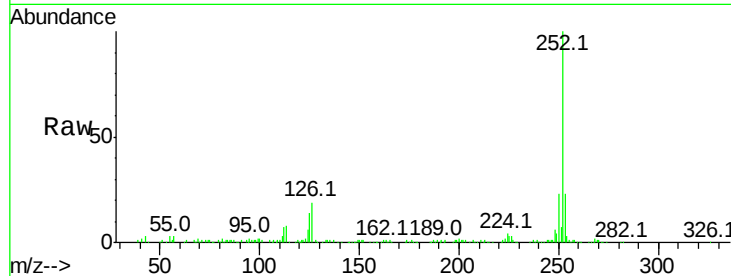
#88
Benzo(k)fluoranthene
Concen: 9.101 ng m
RT: 19.74 min Scan# 3069
Delta R.T. -0.01 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-9BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	14.0	13.1	19.7

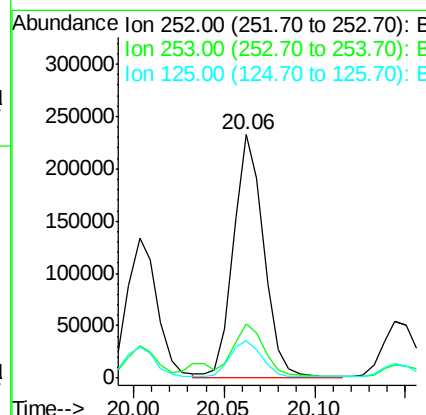
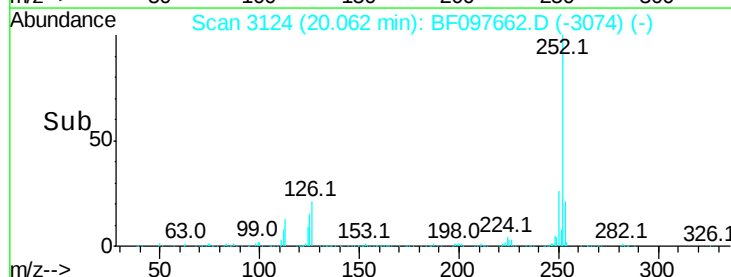
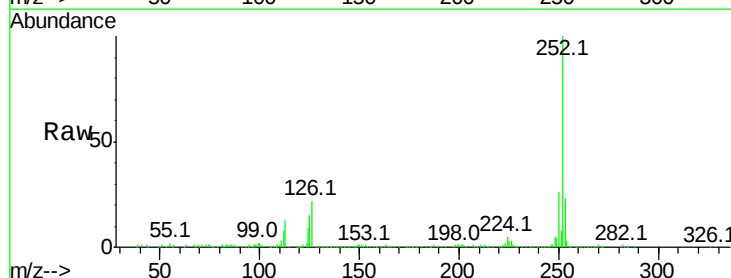
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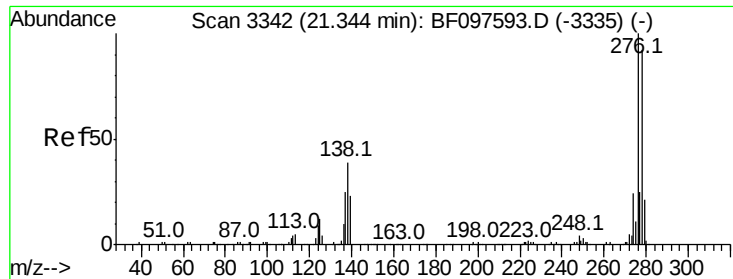
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#89
Benzo(a)pyrene
Concen: 24.936 ng
RT: 20.06 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	15.3	11.0	16.4





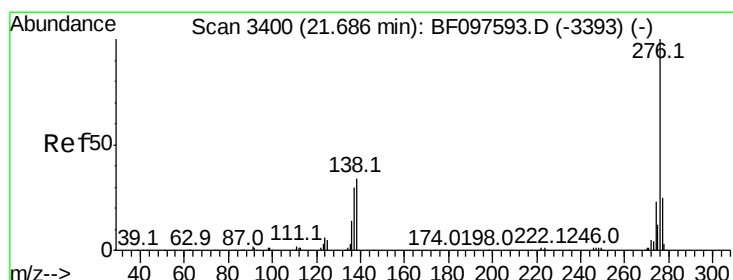
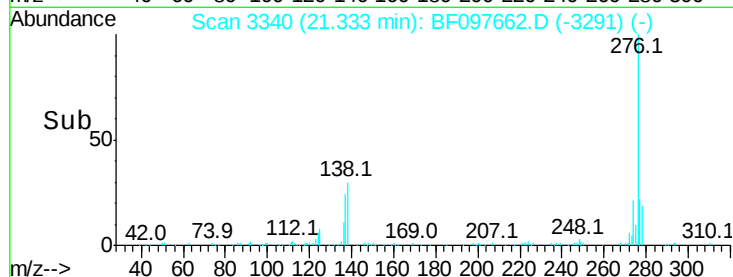
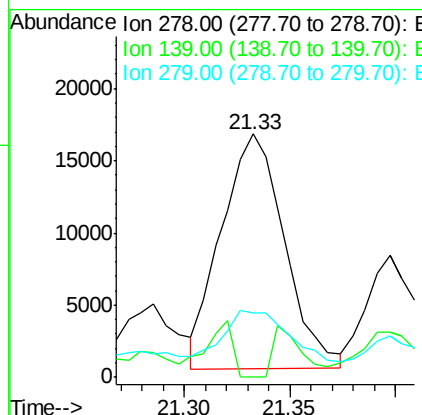
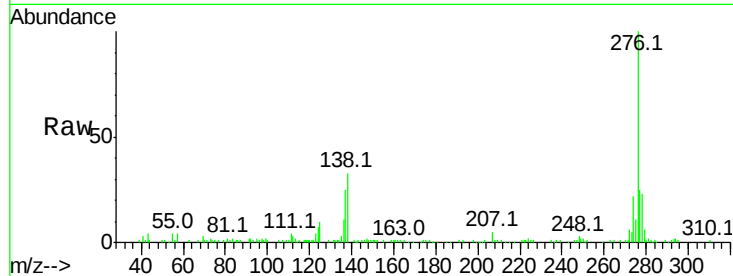
#90
Dibenzo(a,h)anthracene
Concen: 4.360 ng
RT: 21.33 min Scan# 3340
Delta R.T. -0.01 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-9BDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	26.6	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 12.139 ng
RT: 21.68 min Scan# 3399
Delta R.T. -0.01 min
Lab File: BF097662.D
Acq: 13 Aug 2017 8:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	34.4	25.4	38.0

