

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
 Data File : BF098990.D
 Acq On : 1 Oct 2017 14:21
 Operator : SJ/JU
 Sample : I5563-02DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-2DL

Manual Integrations
 APPROVED

Sohil
 10/2/2017 5:49:08 PM

Quant Time: Oct 02 07:20:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	138875	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	553127	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	224303	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	322355	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	226136	20.00	ng	-0.02
86) Perylene-d12	15.56	264	255904	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	98687	11.31	ng	-0.03
7) Phenol-d6	6.52	99	118379	11.00	ng	-0.03
23) Nitrobenzene-d5	7.46	82	69116	8.01	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	15240	8.30	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	119147	8.87	ng	-0.02
78) Terphenyl-d14	13.01	244	64477	6.48	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.20	128	61848	2.381	ng	99
51) Acenaphthene	9.97	154	40405	2.879	ng	96
54) Dibenzofuran	10.15	168	38472	2.059	ng	99
57) Fluorene	10.49	166	54659	3.639	ng	98
70) Phenanthrene	11.46	178	426455	24.715	ng	99
71) Anthracene	11.50	178	128014	7.251	ng	97
73) Di-n-butylphthalate	11.98	149	414928	19.939	ng	100
74) Fluoranthene	12.64	202	438323	25.087	ng	99
77) Pyrene	12.87	202	377934	21.917	ng	100
80) Benzo(a)anthracene	14.06	228	182119	13.300	ng	97
82) Chrysene	14.10	228	154697	11.866	ng	98
85) Indeno(1,2,3-cd)pyrene	17.06	276	81275	7.794	ng	96
87) Benzo(b)fluoranthene	15.12	252	188548m	11.983	ng	
88) Benzo(k)fluoranthene	15.14	252	61781m	3.975	ng	
89) Benzo(a)pyrene	15.50	252	149281	10.336	ng	98
91) Benzo(g,h,i)perylene	17.52	276	70456	6.167	ng	# 94

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

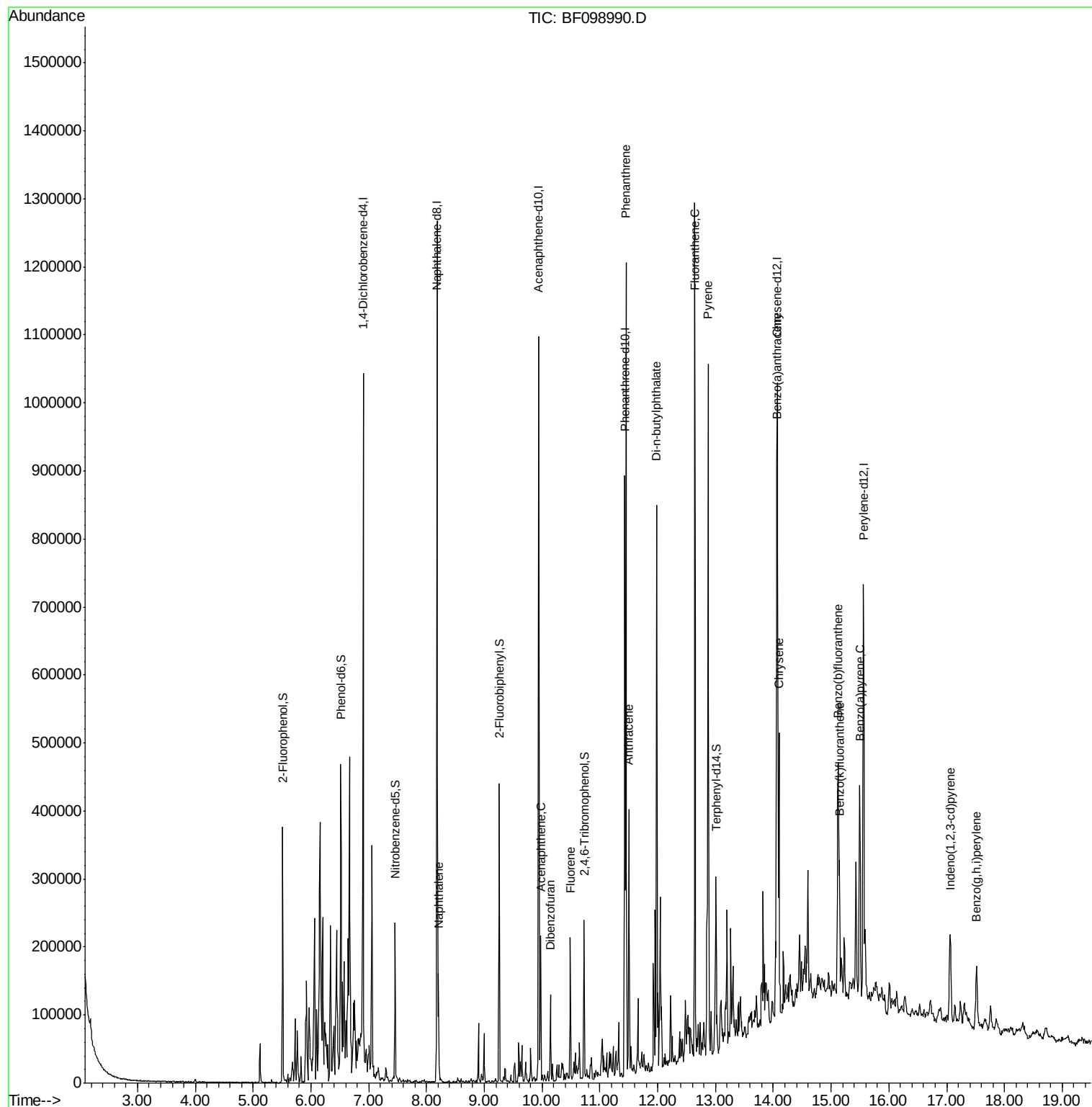
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
Data File : BF098990.D
Acq On : 1 Oct 2017 14:21
Operator : SJ/JU
Sample : I5563-02DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

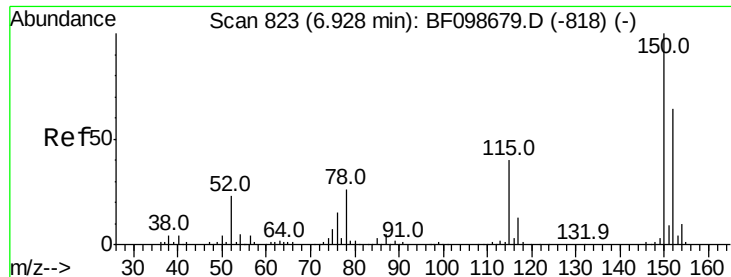
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-2DL

Manual Integrations
APPROVED

Sohil
10/2/2017 5:49:08 PM

Quant Time: Oct 02 07:20:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration





#1

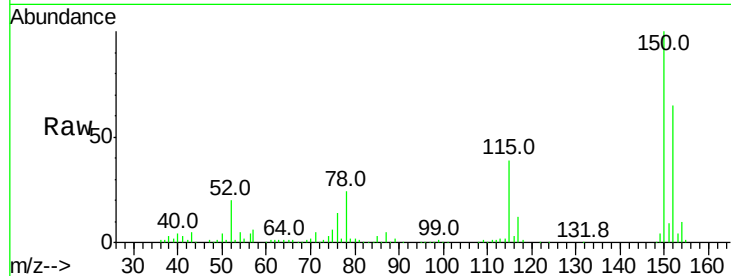
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	60.3	50.1	75.1

Manual Integrations
APPROVED

Sohil
10/2/2017 5:49:08 PM

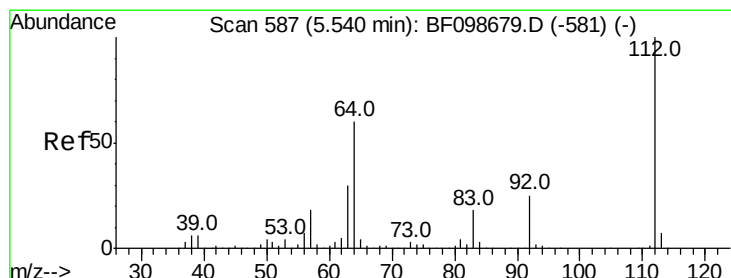
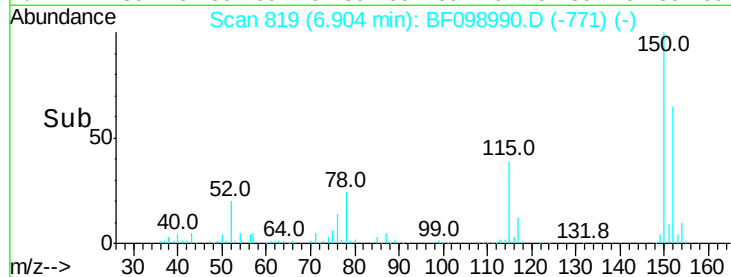
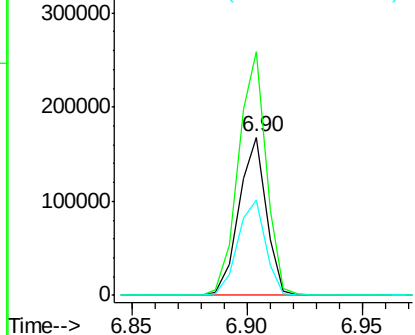


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

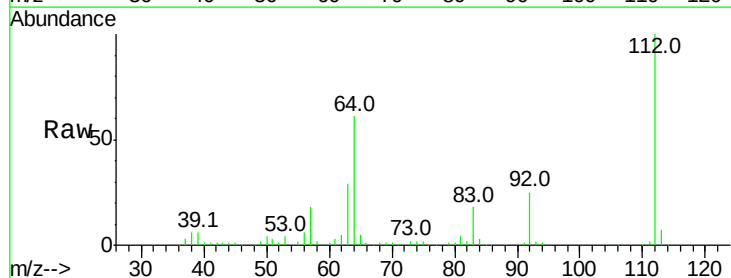
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 11.312 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.03 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.9	71.9
63	28.6	23.7	35.5

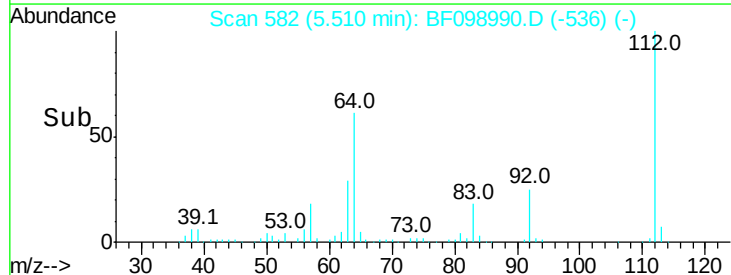
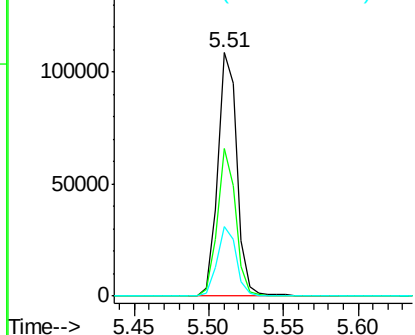


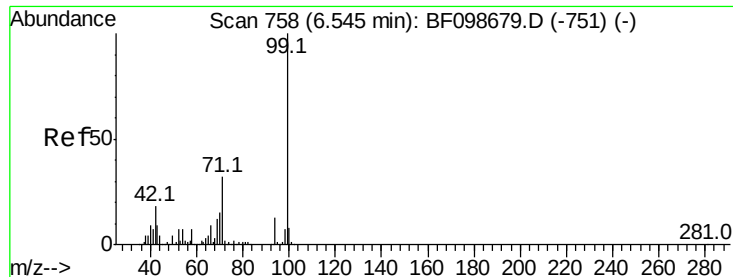
Abundance

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: 11.000 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Instrument :

BNA_F

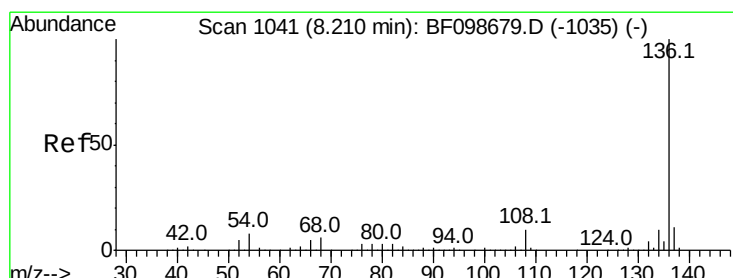
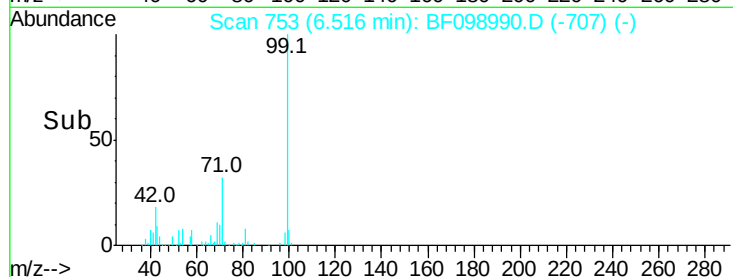
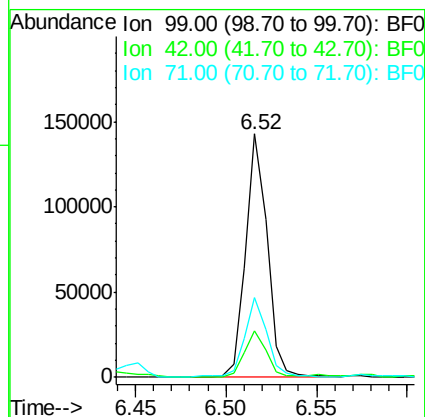
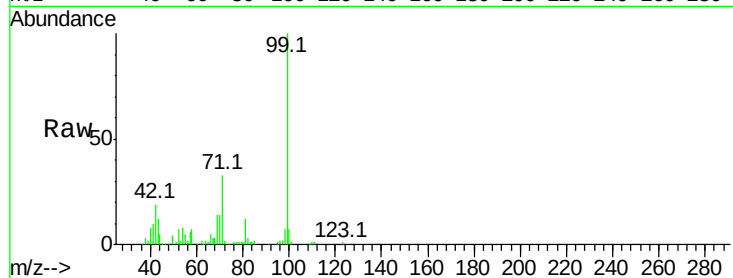
ClientSampleId :

NYSEG-PH4-SB-ESMI-2DL

Tot Ion:	99	Resp:	118379
Ion Ratio	Lower	Upper	
99	100		
42	19.1	14.5	21.7
71	33.0	25.4	38.0

Manual Integrations
APPROVED

Sohil
10/2/2017 5:49:08 PM



#21

Naphthalene-d8

Concen: 20.000 ng

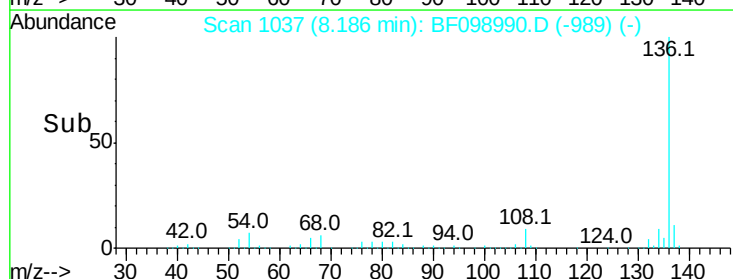
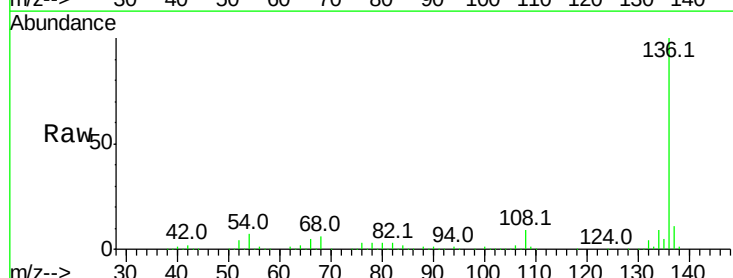
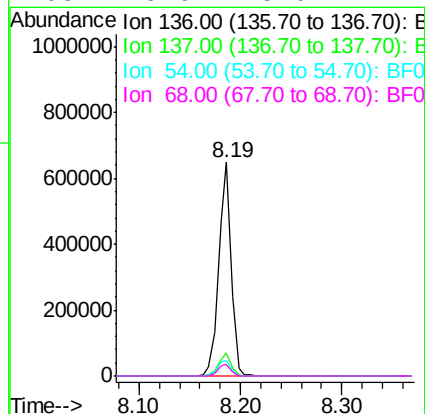
RT: 8.19 min Scan# 1037

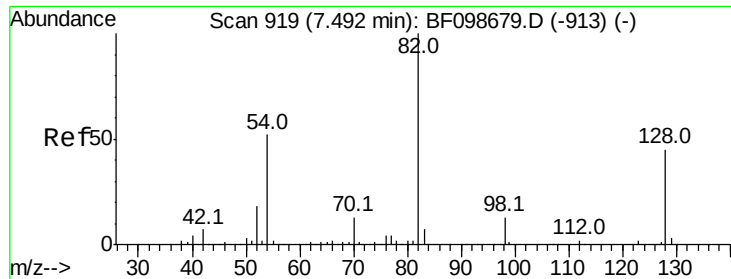
Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Tgt Ion:	136	Resp:	553127
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.4	6.6	9.8
68	5.6	5.0	7.4





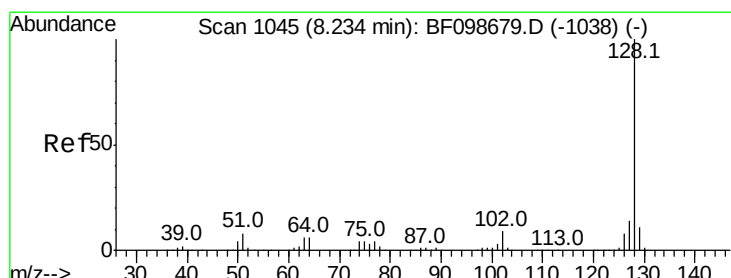
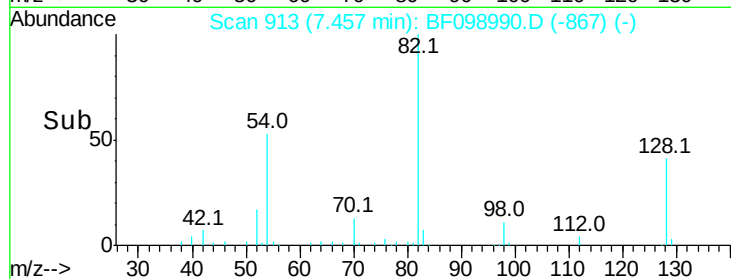
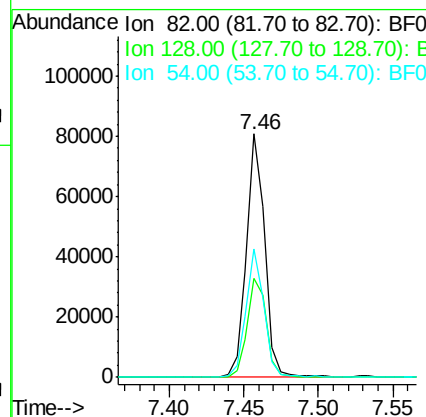
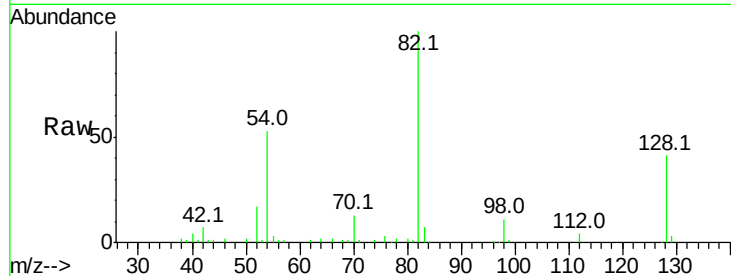
#23
Nitrobenzene-d5
Concen: 8.013 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.03 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-2DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.8	36.1	54.1
54	52.8	41.4	62.2

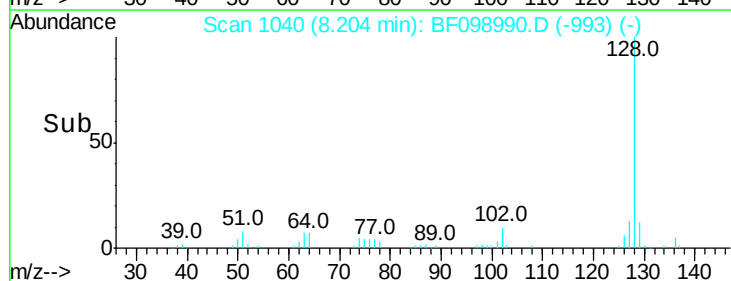
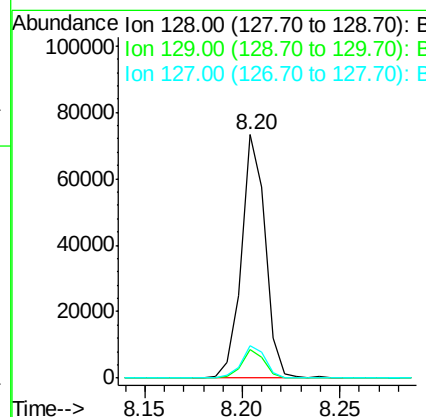
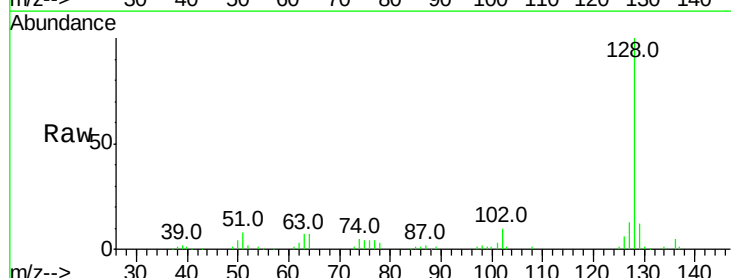
Manual Integrations
APPROVED

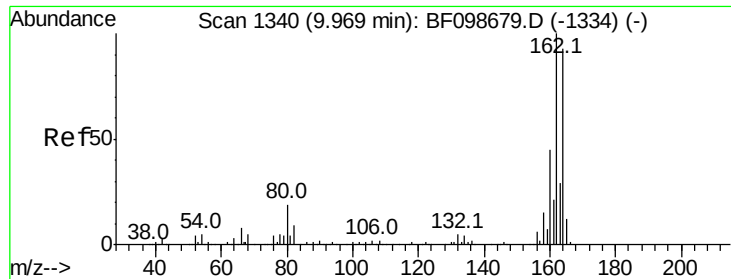
Sohil
10/2/2017 5:49:08 PM



#31
Naphthalene
Concen: 2.381 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.8	13.2
127	13.4	10.9	16.3





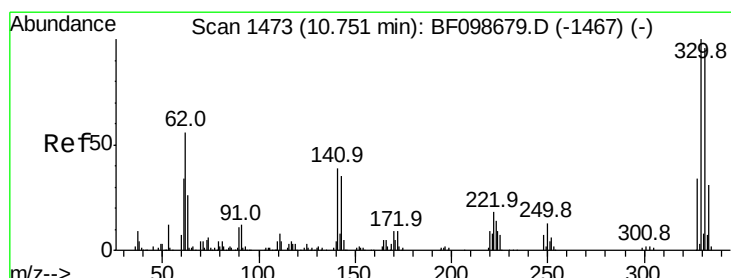
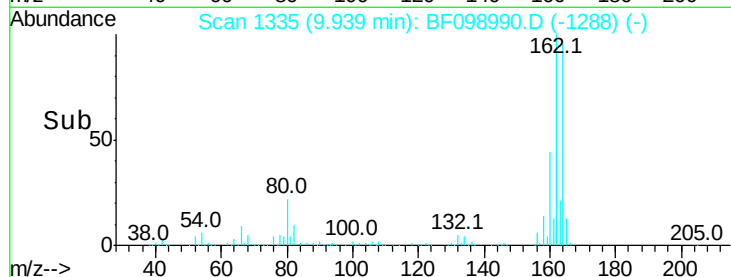
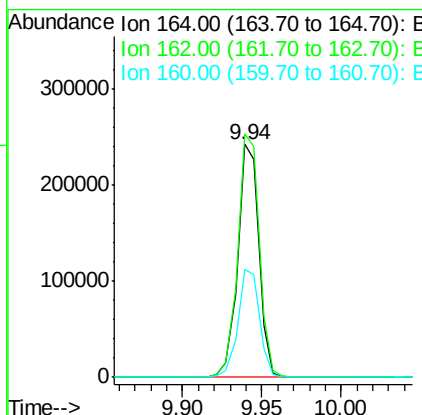
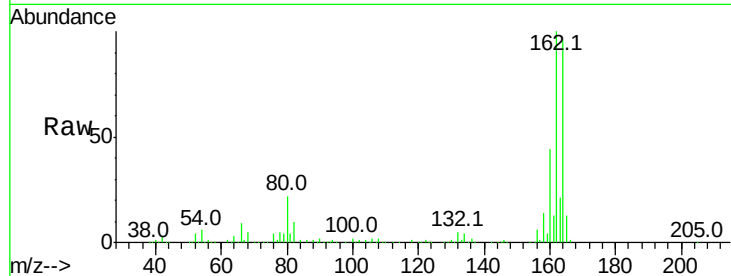
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-2DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	224303		
162	104.3	86.1	129.1	
160	46.2	38.3	57.5	

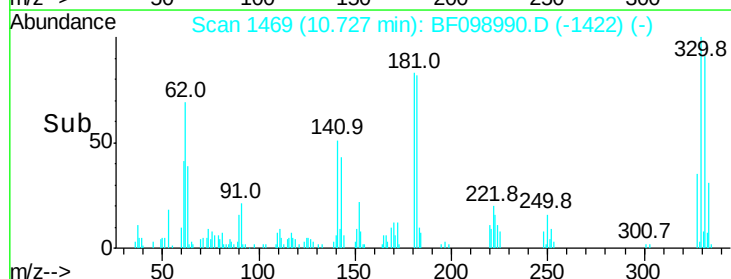
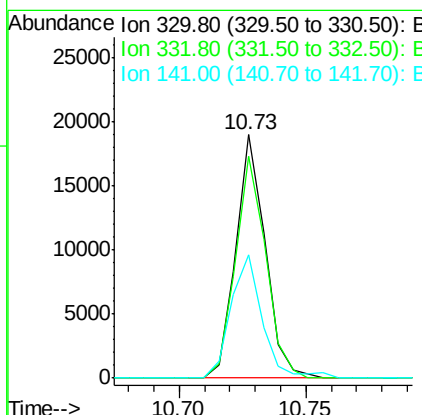
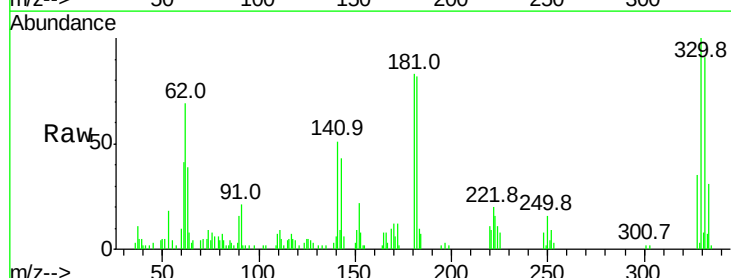
Manual Integrations
APPROVED

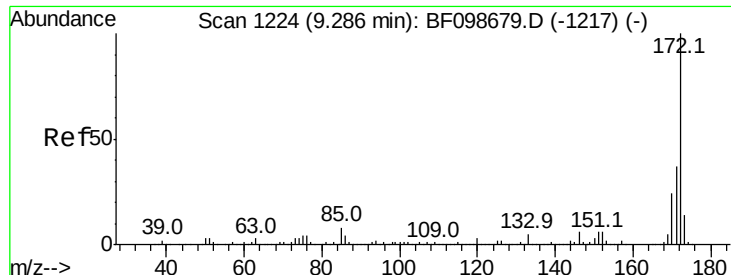
Sohil
10/2/2017 5:49:08 PM



#41
2,4,6-Tribromophenol
Concen: 8.303 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.02 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	15240		
332	94.0	77.0	115.6	
141	54.4	29.9	44.9#	





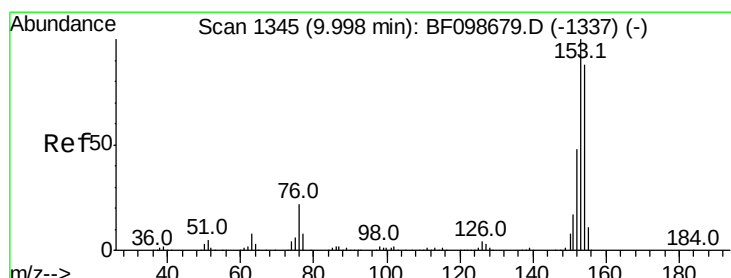
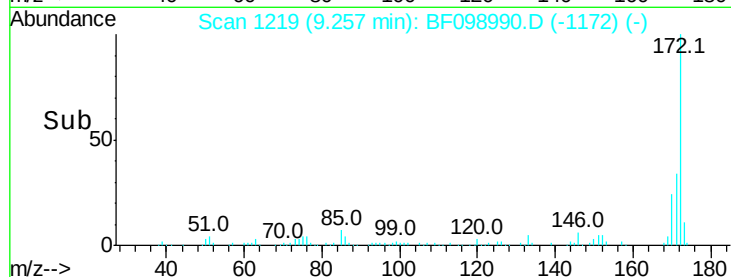
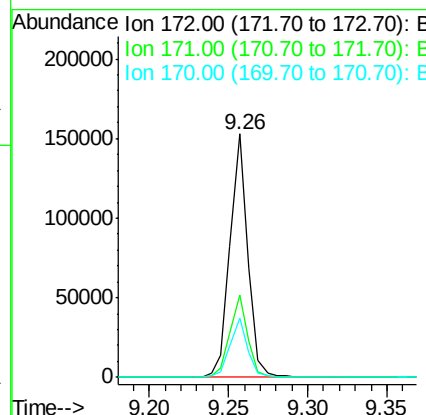
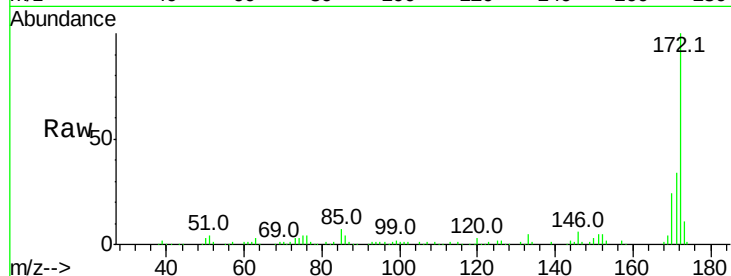
#44
2-Fluorobiphenyl
Concen: 8.868 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-2DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	119147		
171	33.8		29.7	44.5
170	24.1		19.6	29.4

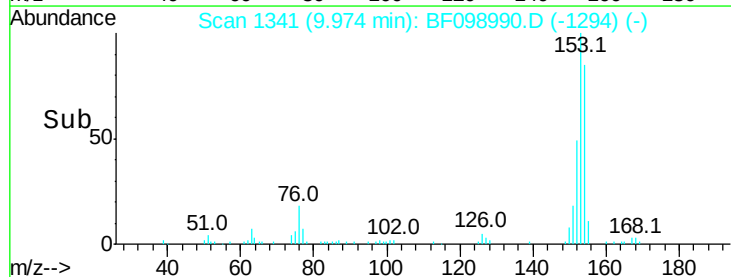
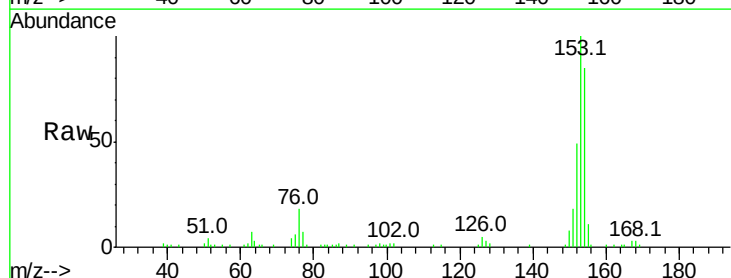
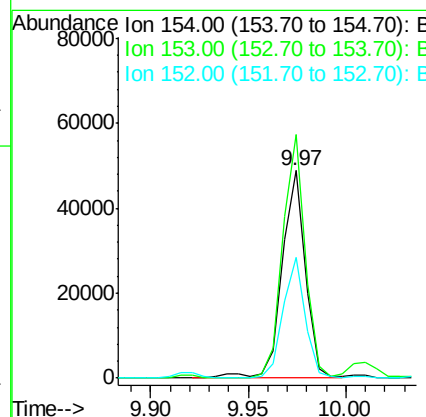
Manual Integrations
APPROVED

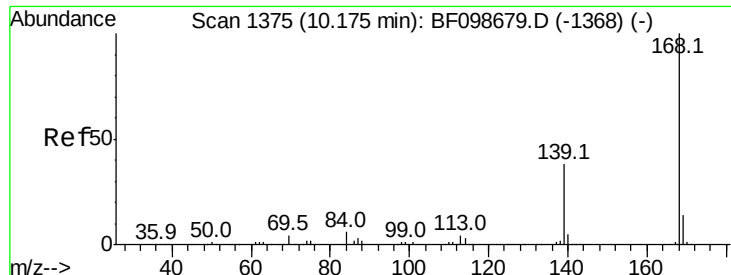
Sohil
10/2/2017 5:49:08 PM



#51
Acenaphthene
Concen: 2.879 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	40405		
153	117.4		91.2	136.8
152	58.0		43.8	65.8





#54

Dibenzenofuran

Concen: 2.059 ng

RT: 10.15 min Scan# 1370

Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Instrument :

BNA_F

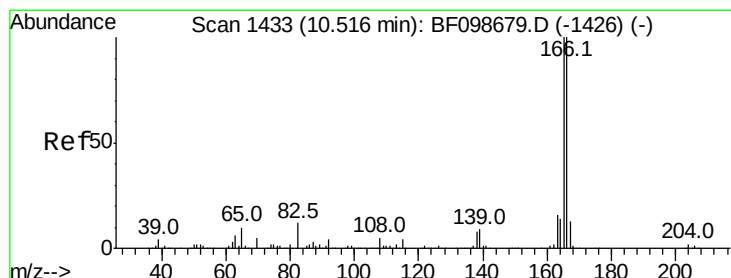
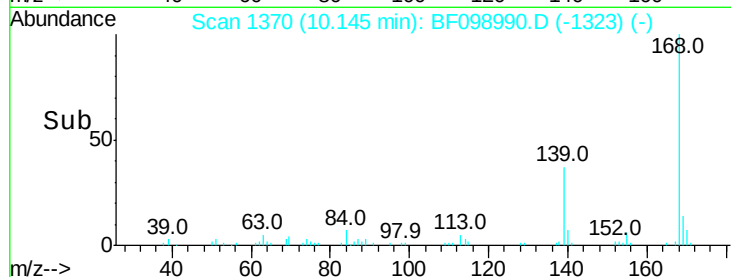
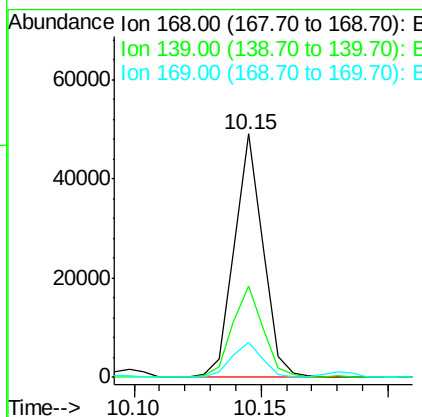
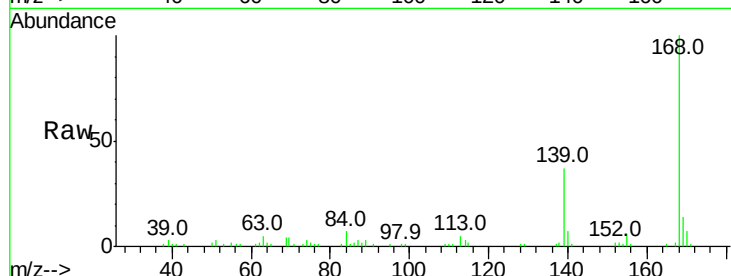
ClientSampleId :

NYSEG-PH4-SB-ESMI-2DL

Tot Ion:	168	Resp:	38472
Ion Ratio	Lower	Upper	
168	100		
139	37.3	30.1	45.1
169	14.3	10.9	16.3

Manual Integrations
APPROVED

Sohil
10/2/2017 5:49:08 PM



#57

Fluorene

Concen: 3.639 ng

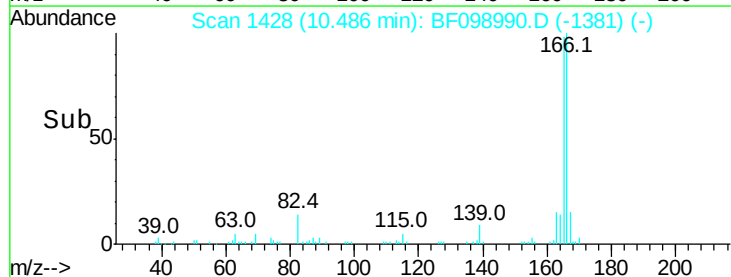
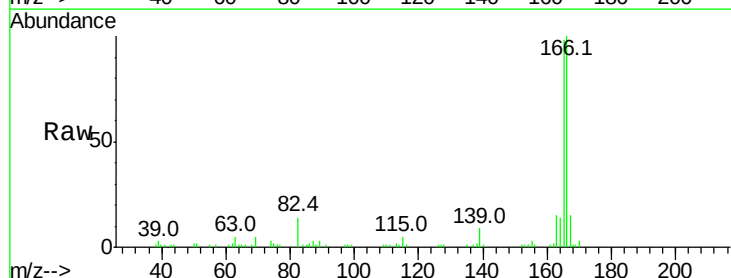
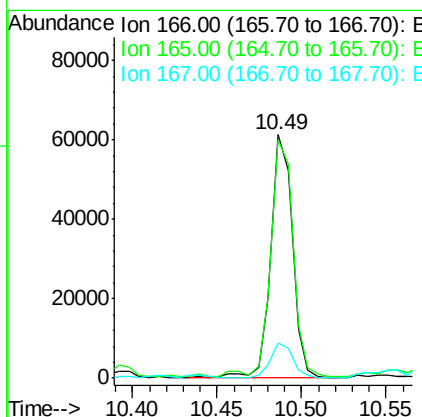
RT: 10.49 min Scan# 1428

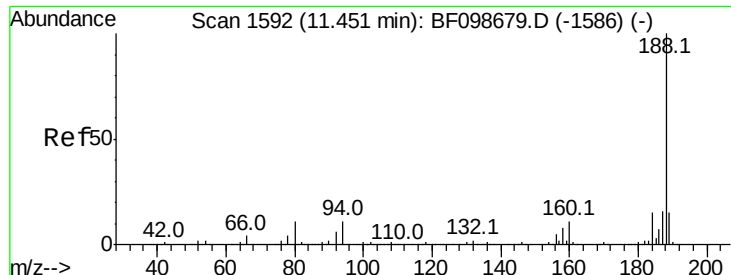
Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Tgt Ion:	166	Resp:	54659
Ion Ratio	Lower	Upper	
166	100		
165	98.1	79.8	119.8
167	14.6	10.6	16.0





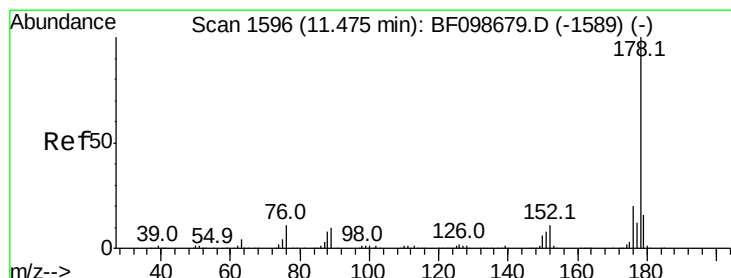
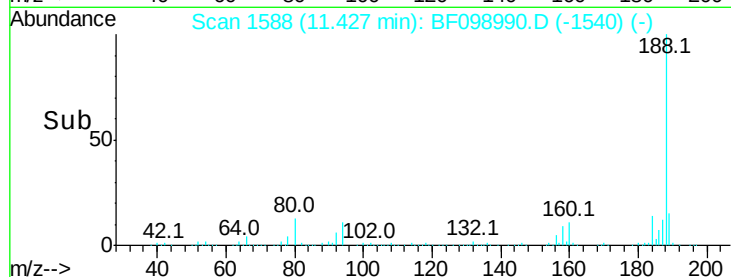
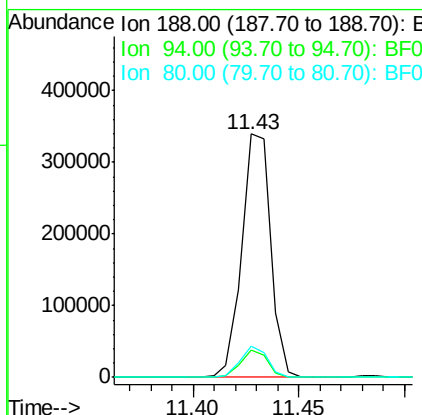
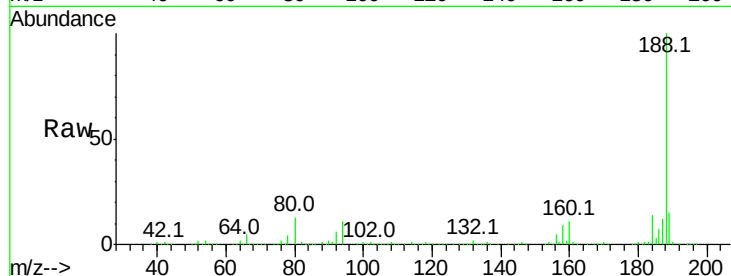
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-2DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	322355		
94	11.4		8.5	12.7
80	12.6		9.2	13.8

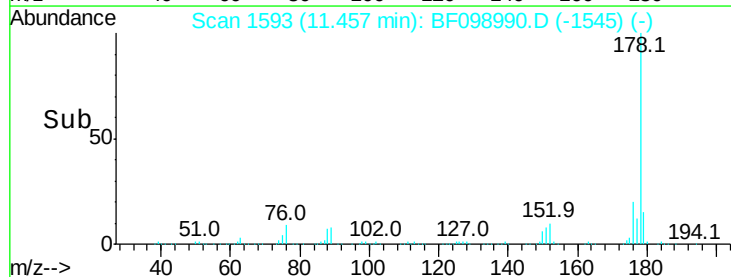
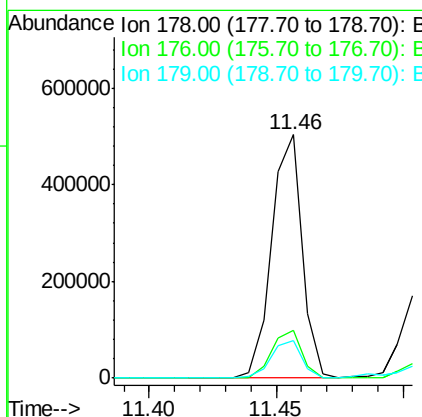
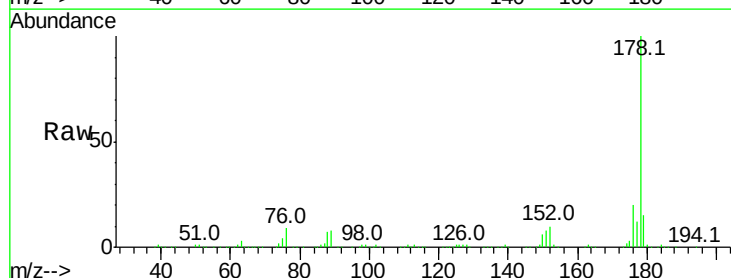
Manual Integrations
APPROVED

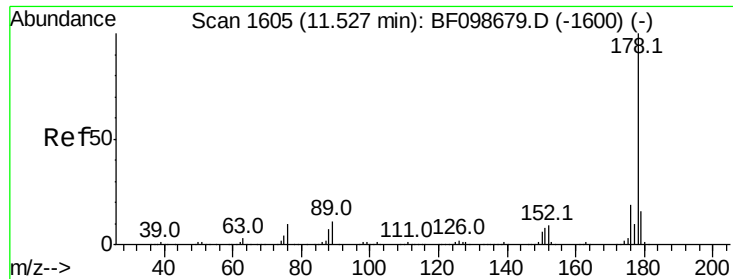
Sohil
10/2/2017 5:49:08 PM



#70
Phenanthrene
Concen: 24.715 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	426455		
176	19.8		15.8	23.8
179	15.3		13.0	19.6





#71

Anthracene

Concen: 7.251 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-2DL

Tot Ion:178 Resp: 128014

Ion Ratio Lower Upper

178 100

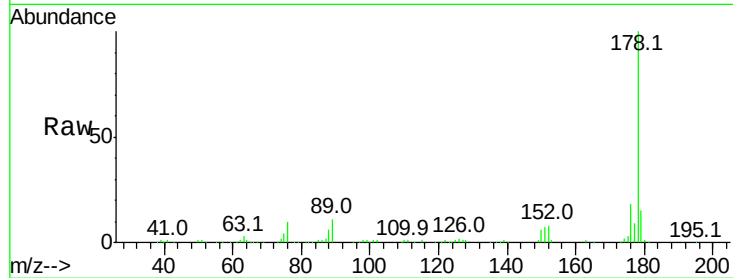
176 17.9 15.4 23.2

179 15.0 12.6 19.0

Manual Integrations
APPROVED

Sohil

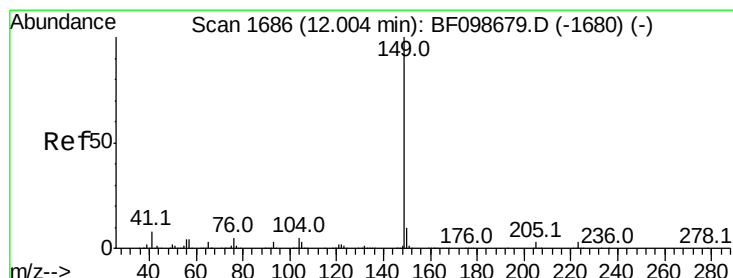
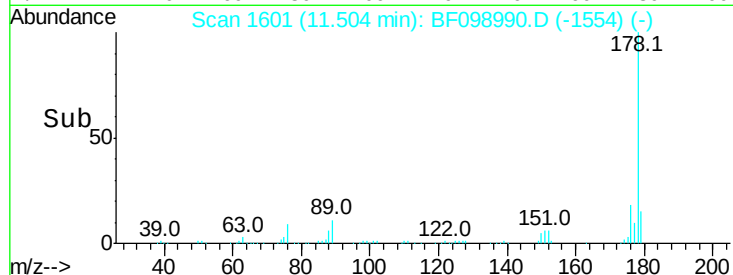
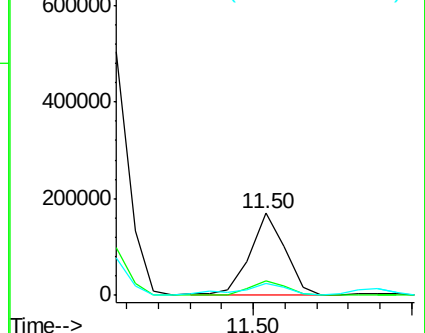
10/2/2017 5:49:08 PM



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



#73

Di-n-butylphthalate

Concen: 19.939 ng

RT: 11.98 min Scan# 1682

Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Tgt Ion:149 Resp: 414928

Ion Ratio Lower Upper

149 100

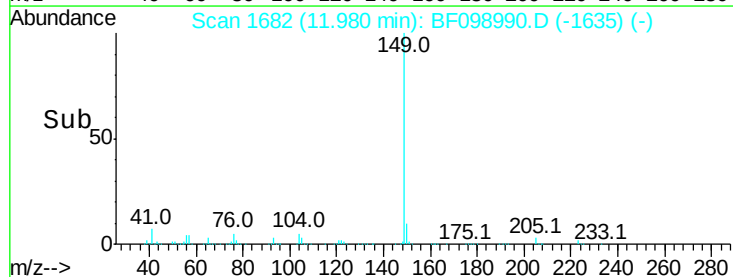
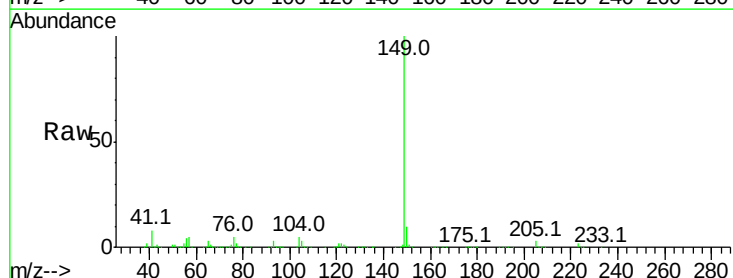
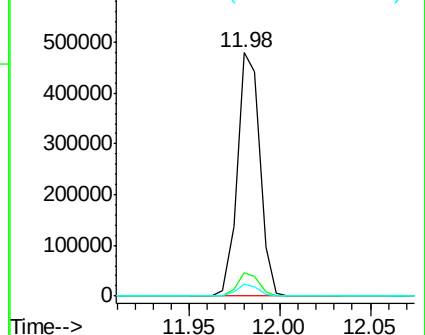
150 9.5 7.8 11.6

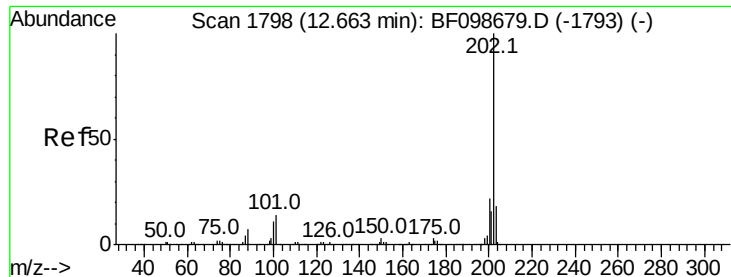
104 4.8 3.8 5.8

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 25.087 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Instrument :

BNA_F

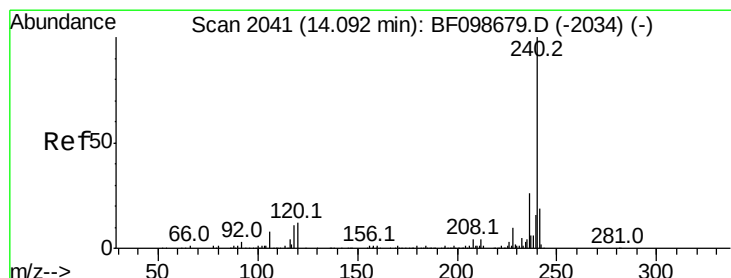
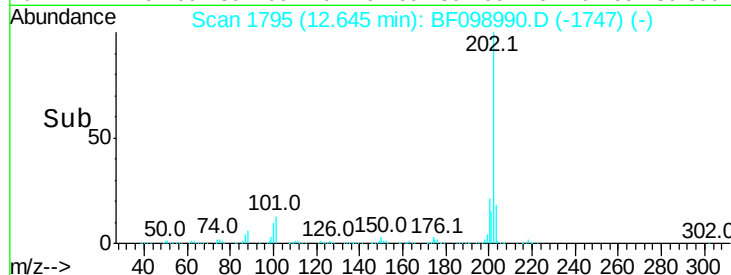
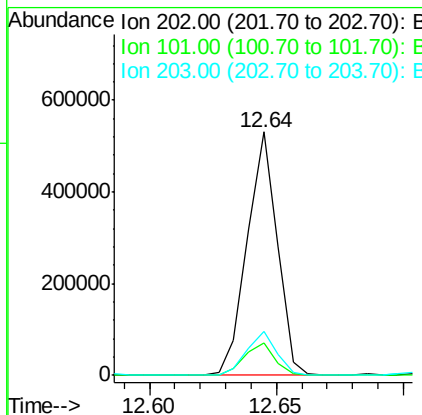
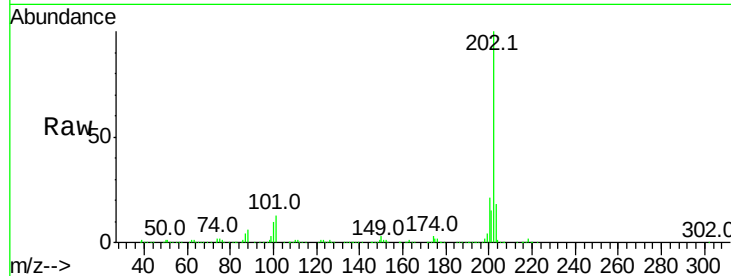
ClientSampleId :

NYSEG-PH4-SB-ESMI-2DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	13.2	0.0	34.1	
203	17.8	0.0	38.1	

Manual Integrations
APPROVED

Sohil
10/2/2017 5:49:08 PM



#75

Chrysene-d12

Concen: 20.000 ng

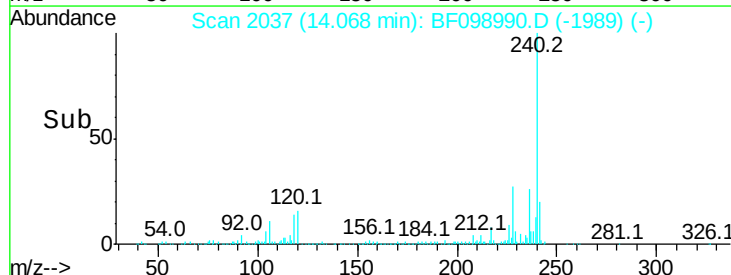
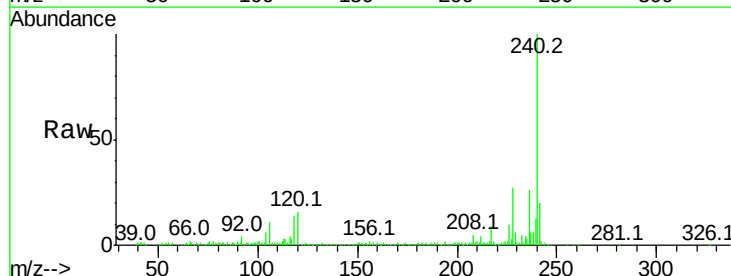
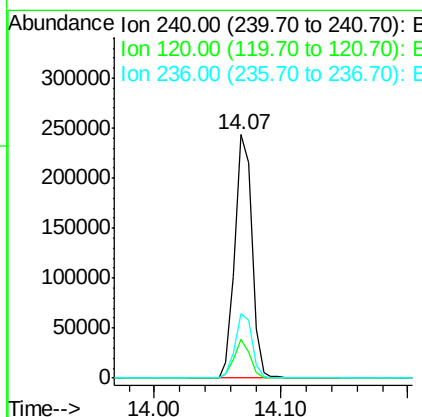
RT: 14.07 min Scan# 2037

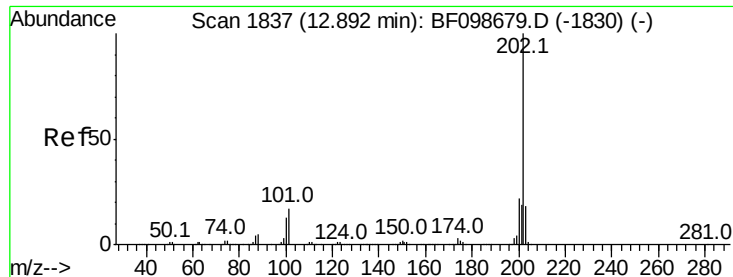
Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	16.1	9.5	14.3#	
236	26.3	20.7	31.1	





#77

Pvrene

Concen: 21.917 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Instrument :

BNA_F

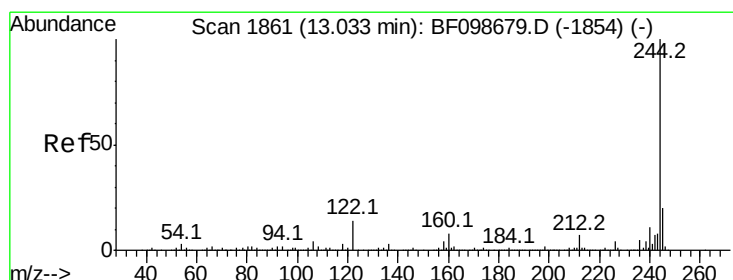
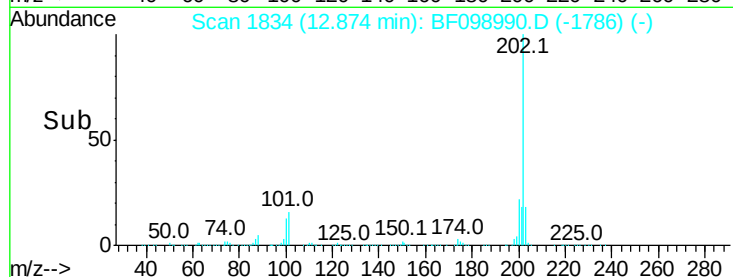
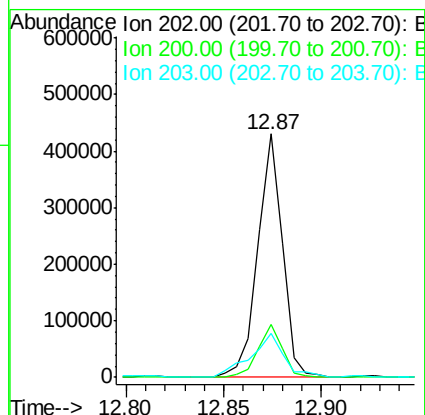
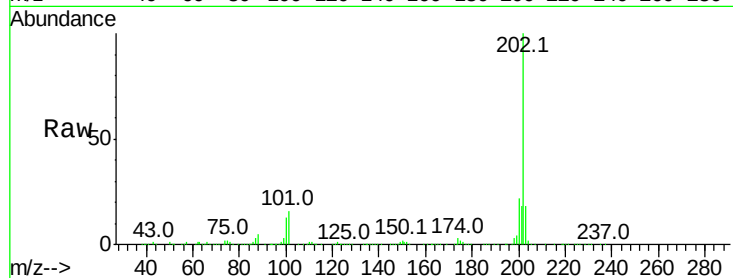
ClientSampleId :

NYSEG-PH4-SB-ESMI-2DL

Tot Ion:	202	Resp:	377934
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:49:08 PM



#78

Terphenyl-d14

Concen: 6.484 ng

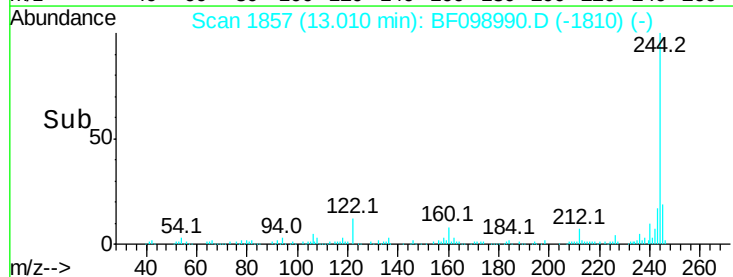
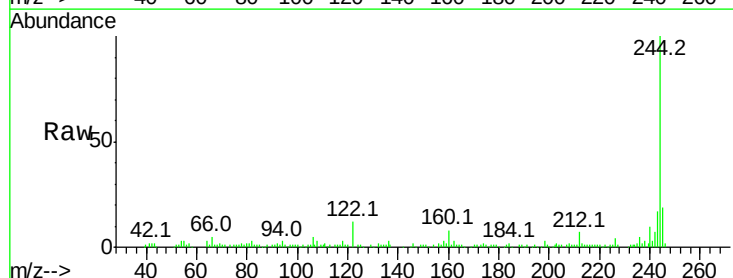
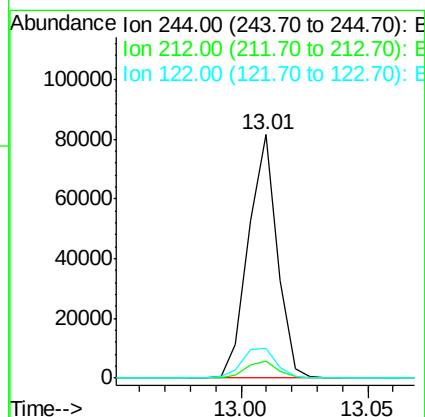
RT: 13.01 min Scan# 1857

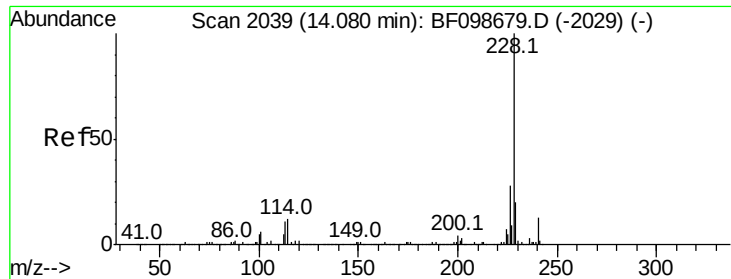
Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Tgt Ion:	244	Resp:	64477
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.3	11.0	16.4





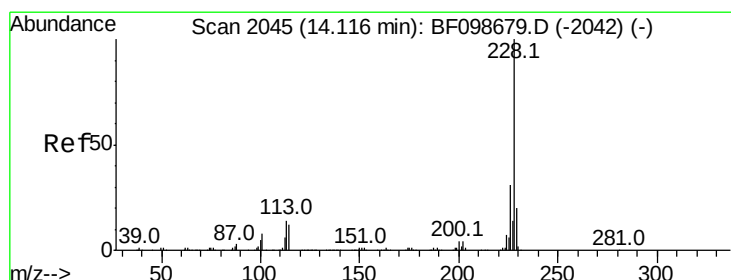
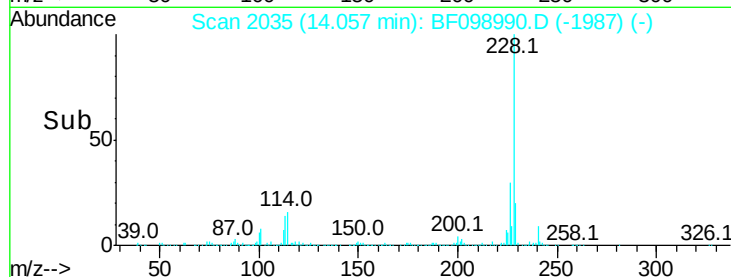
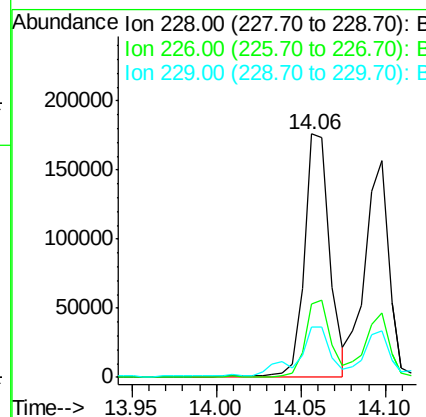
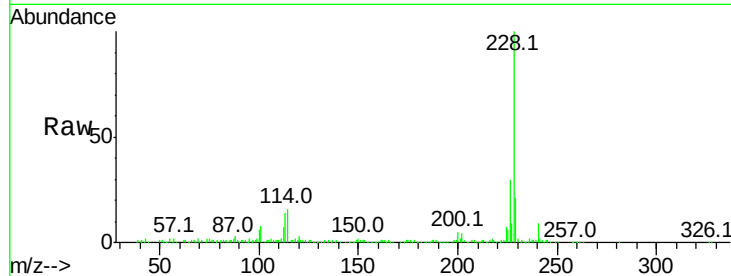
#80
Benzo(a)anthracene
Concen: 13.300 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-2DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.7	15.8	23.6

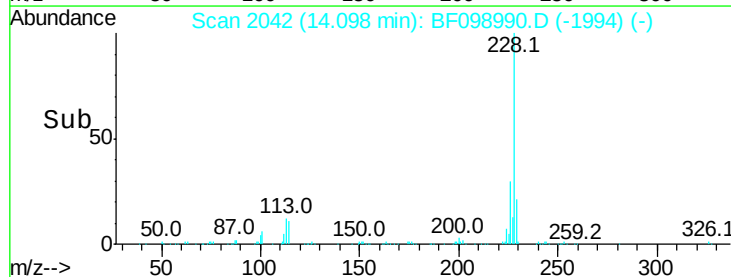
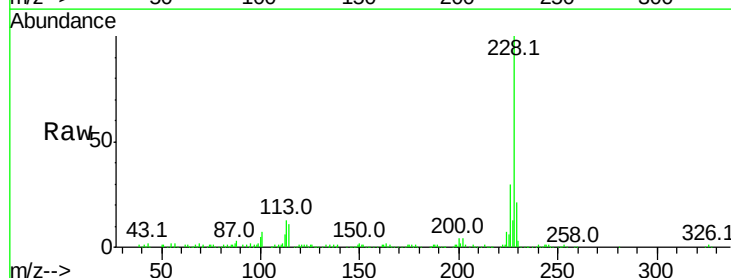
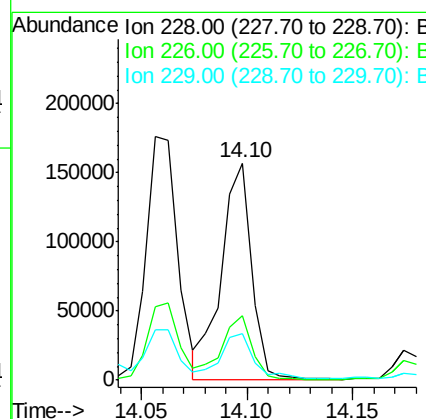
Manual Integrations
APPROVED

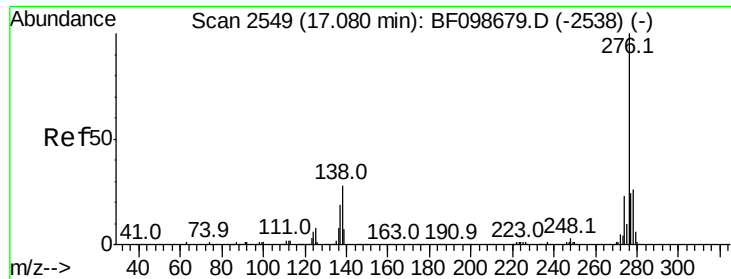
Sohil
10/2/2017 5:49:08 PM



#82
Chrysene
Concen: 11.866 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	21.3	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.794 ng

RT: 17.06 min Scan# 2546

Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Instrument :

BNA_F

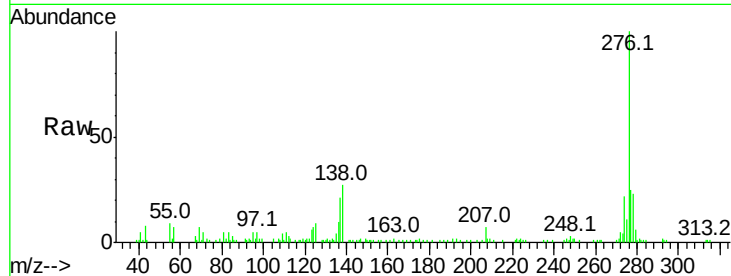
ClientSampleId :

NYSEG-PH4-SB-ESMI-2DL

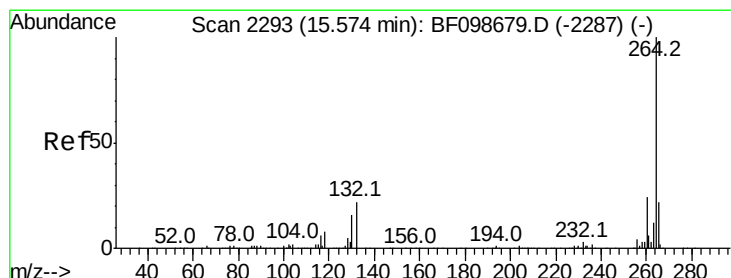
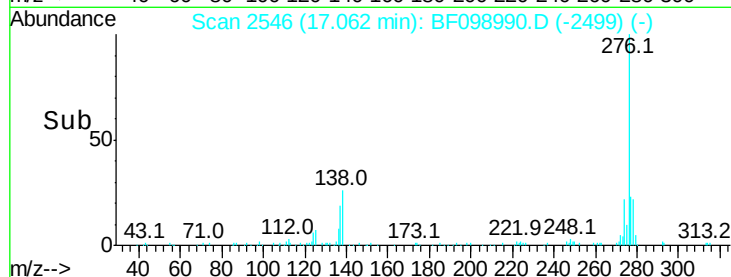
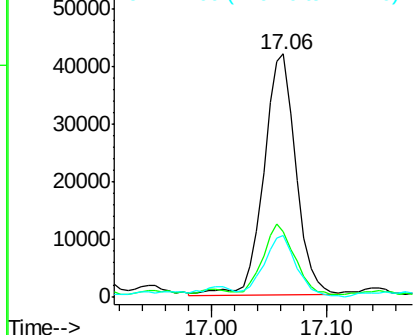
Tot Ion:	276	Resp:	81275
Ion Ratio	Lower	Upper	
276	100		
138	28.6	25.0	37.6
277	26.6	20.1	30.1

Manual Integrations
APPROVED

Sohil
10/2/2017 5:49:08 PM



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: 20.000 ng

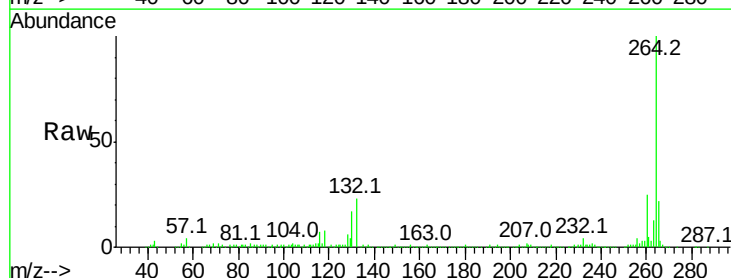
RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

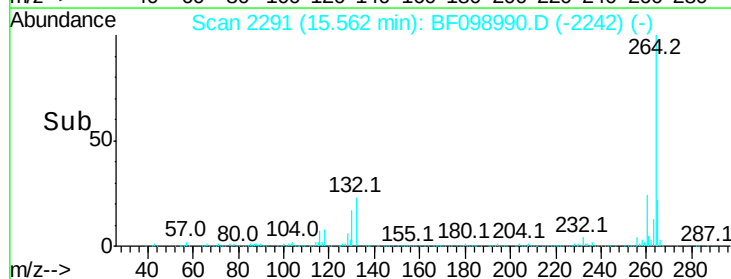
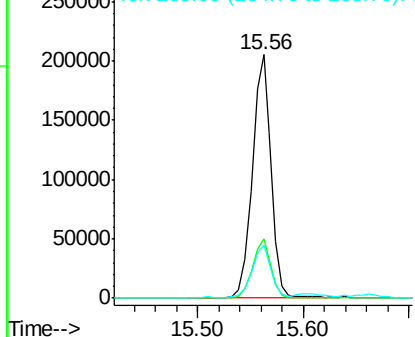
Lab File: BF098990.D

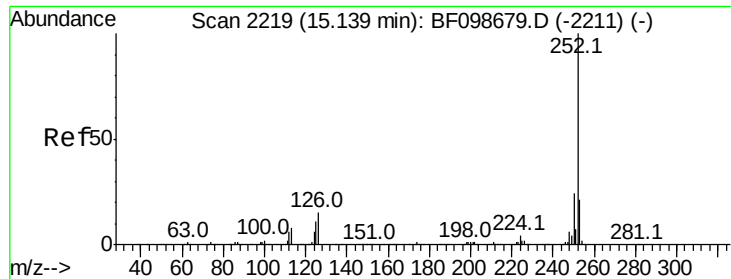
Acq: 1 Oct 2017 14:21

Tgt Ion:	264	Resp:	255904
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	21.8	17.5	26.3



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: 11.983 ng m

RT: 15.12 min Scan# 2216

Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Instrument :

BNA_F

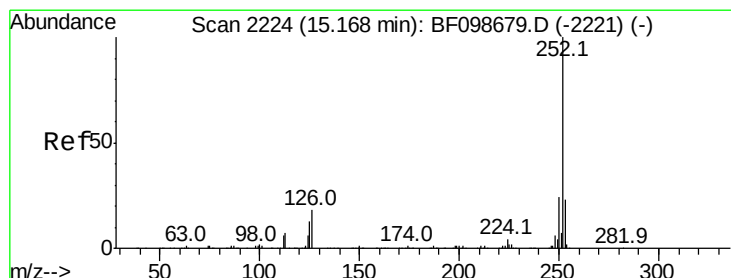
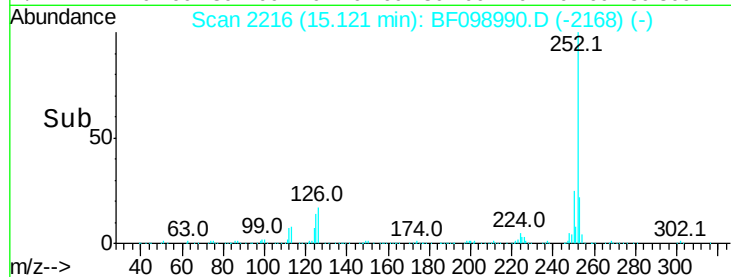
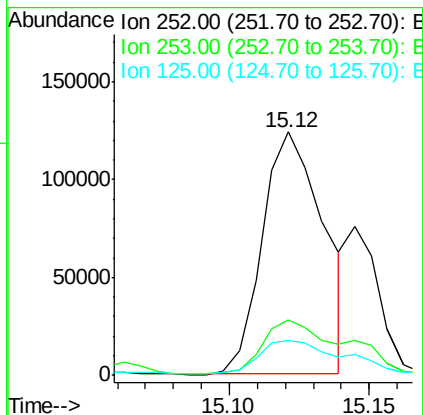
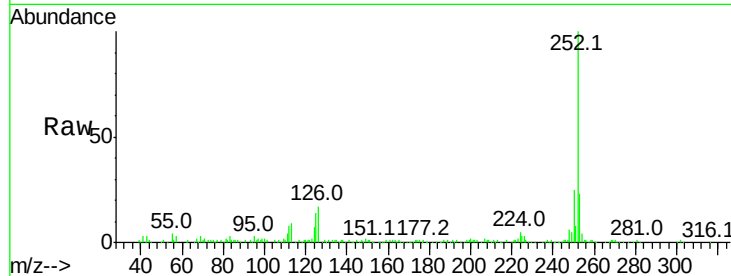
ClientSampleId :

NYSEG-PH4-SB-ESMI-2DL

Tot Ion:	252	Resp:	188548
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	14.5	9.0	13.6

Manual Integrations
APPROVED

Sohil
10/2/2017 5:49:08 PM



#88

Benzo(k)fluoranthene

Concen: 3.975 ng m

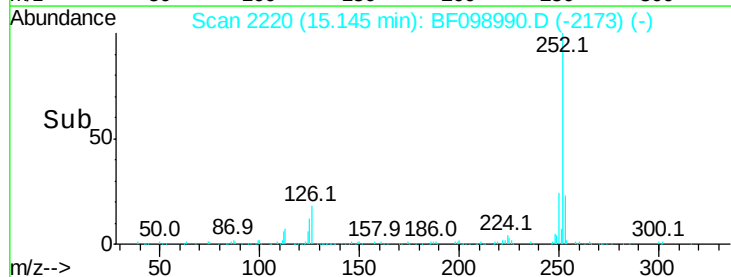
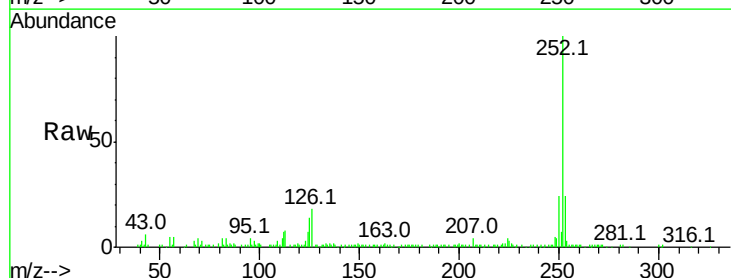
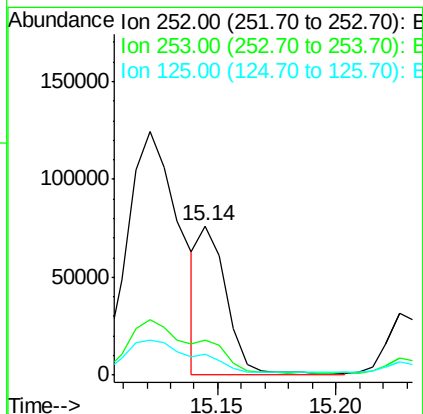
RT: 15.14 min Scan# 2220

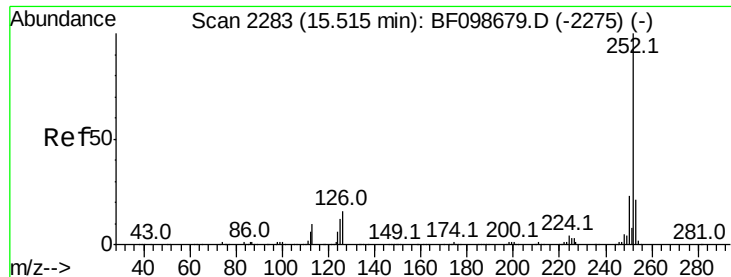
Delta R.T. -0.02 min

Lab File: BF098990.D

Acq: 1 Oct 2017 14:21

Tgt Ion:	252	Resp:	61781
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.9	26.9
125	13.9	10.2	15.2





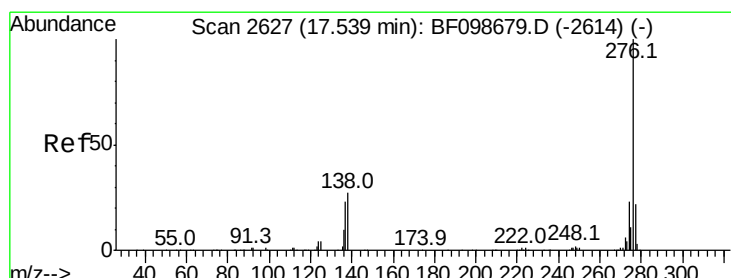
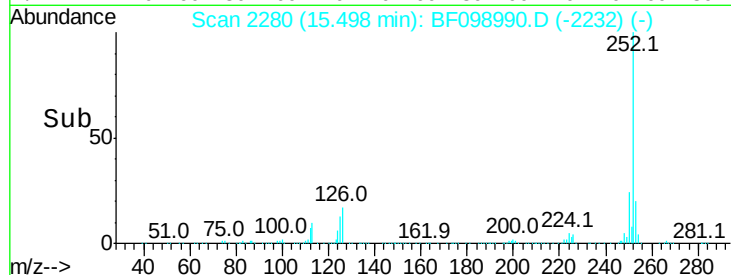
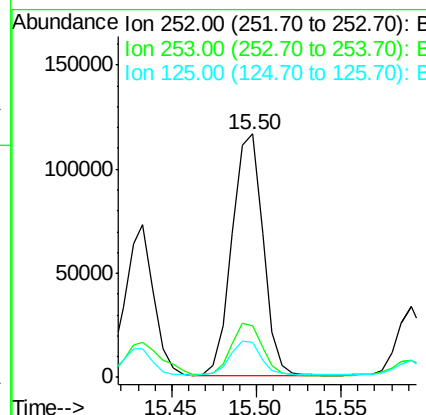
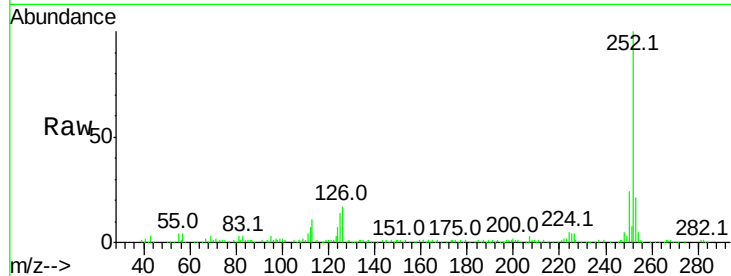
#89
Benzo(a)pyrene
Concen: 10.336 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	14.2	9.8	14.6

Manual Integrations
APPROVED

Sohil
10/2/2017 5:49:08 PM



#91
Benzo(g,h,i)perylene
Concen: 6.167 ng
RT: 17.52 min Scan# 2623
Delta R.T. -0.03 min
Lab File: BF098990.D
Acq: 1 Oct 2017 14:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9#
138	28.2	21.8	32.8

