

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
 Data File : BF098991.D
 Acq On : 1 Oct 2017 14:48
 Operator : SJ/JU
 Sample : I5563-04DL 50X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-4DL

Manual Integrations
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Sohil
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Quant Time: Oct 02 07:25:43 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	136294	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	564337	20.00	ng	-0.02
38) Acenaphthene-d10	9.95	164	251602	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	421625	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	259281	20.00	ng	-0.02
86) Perylene-d12	15.56	264	251992	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	21071	2.46	ng	-0.03
7) Phenol-d6	6.52	99	27149	2.57	ng	-0.03
23) Nitrobenzene-d5	7.46	82	16451	1.87	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	4202	2.04	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	34159	2.27	ng	-0.02
78) Terphenyl-d14	13.01	244	26242	2.30	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.20	128	541481	20.430	ng	99
37) 2-Methylnaphthalene	8.90	142	99836	5.794	ng	99
51) Acenaphthene	9.97	154	184246	11.703	ng	100
54) Dibenzofuran	10.15	168	155931	7.439	ng	98
57) Fluorene	10.49	166	159364	9.459	ng	99
70) Phenanthrene	11.46	178	864176	38.291	ng	99
71) Anthracene	11.50	178	360379	15.606	ng	99
72) Carbazole	11.66	167	65787	2.909	ng	99
74) Fluoranthene	12.64	202	648148	28.362	ng	99
77) Pyrene	12.87	202	536495	27.135	ng	99
80) Benzo(a)anthracene	14.06	228	185069m	11.788	ng	
82) Chrysene	14.10	228	153778	10.288	ng	99
85) Indeno(1,2,3-cd)pyrene	17.06	276	76994	6.439	ng	98
87) Benzo(b)fluoranthene	15.12	252	168496m	10.875	ng	
88) Benzo(k)fluoranthene	15.14	252	53360m	3.487	ng	
89) Benzo(a)pyrene	15.50	252	137757	9.686	ng	97
91) Benzo(a,h,i)perylene	17.52	276	71036	6.314	ng	97

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

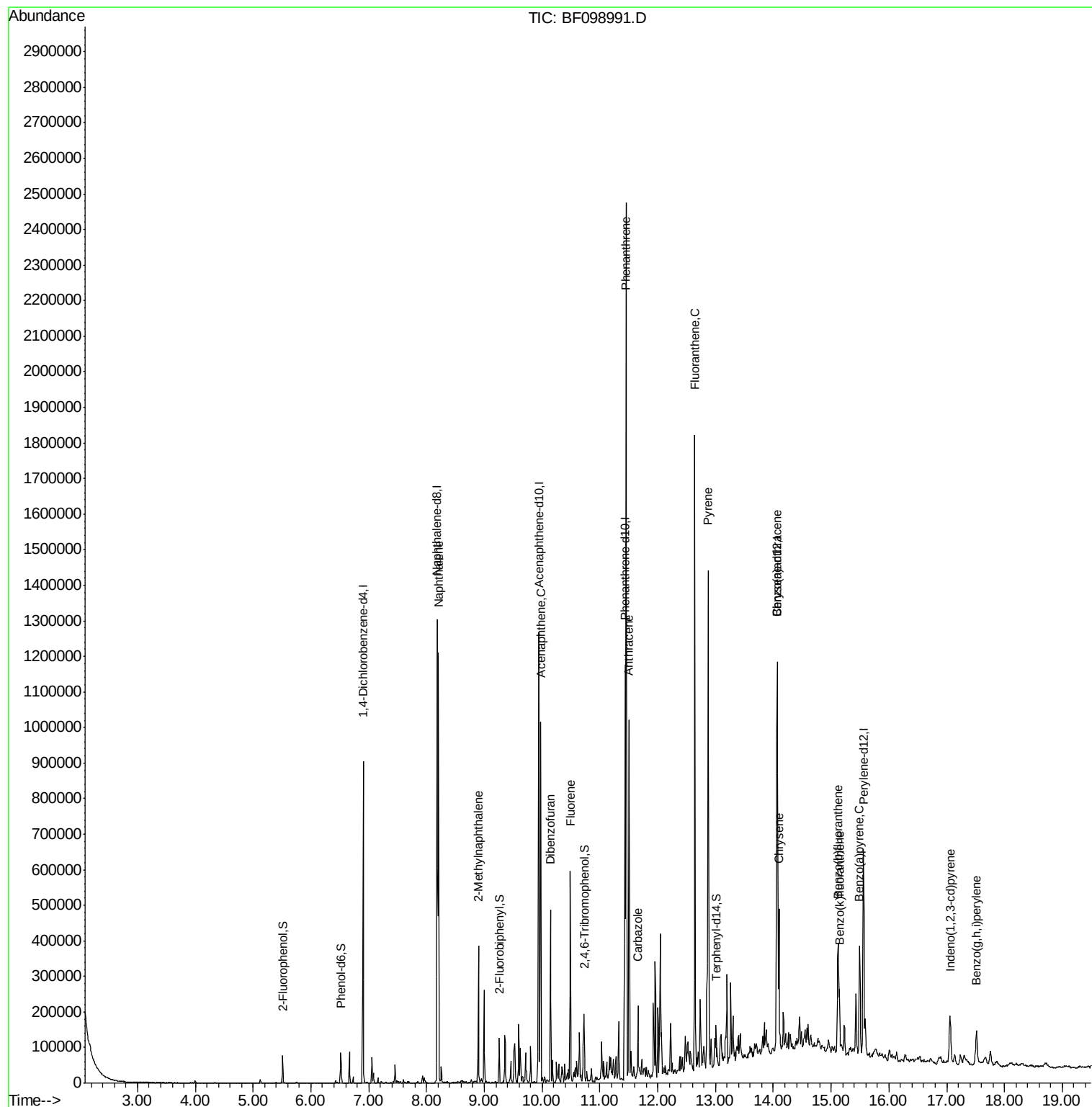
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
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ALS Vial : 9 Sample Multiplier: 1

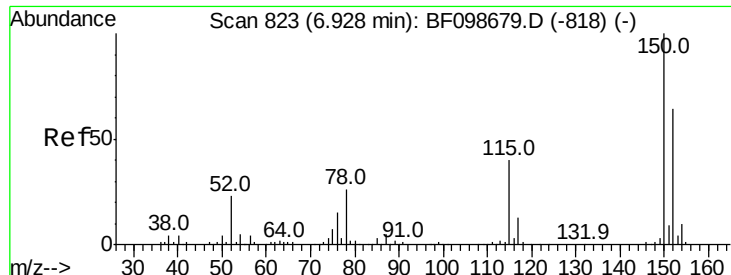
Instrument :
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ClientSampleId :
NYSEG-PH4-SB-ESMI-4DL

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#1

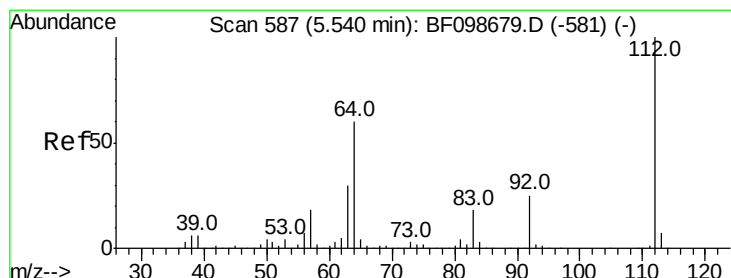
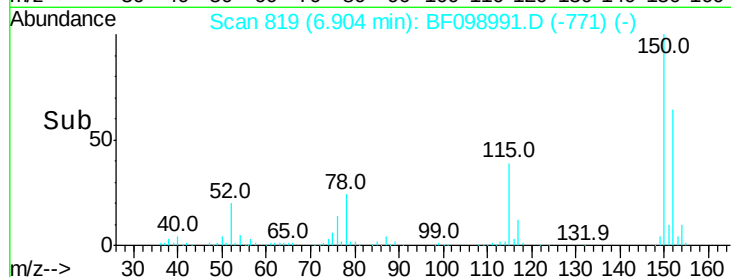
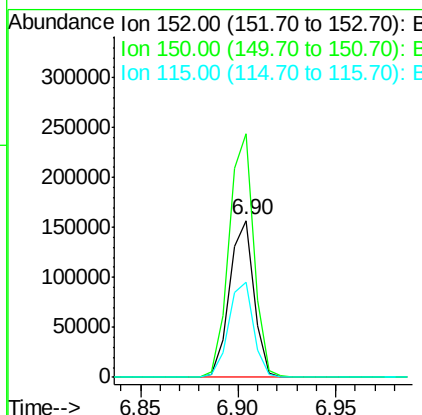
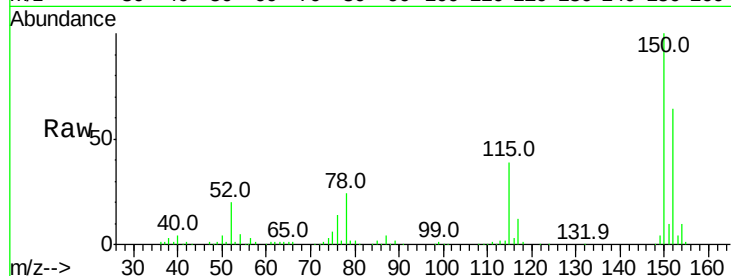
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF098991.D
Acq: 1 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	60.6	50.1	75.1

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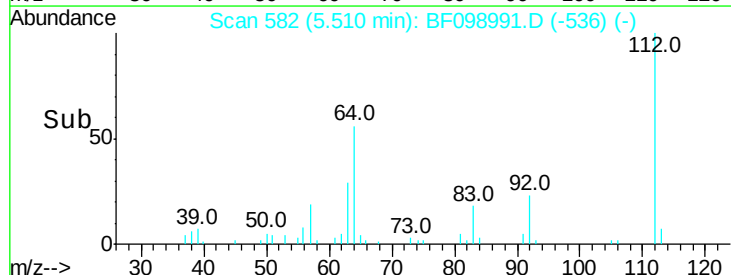
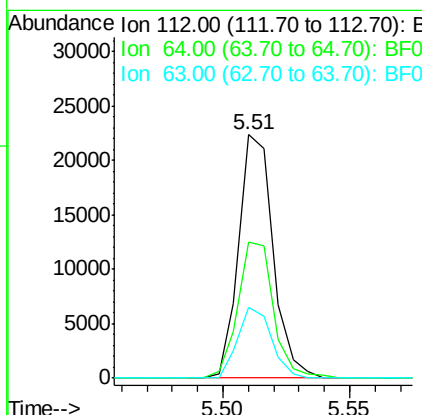
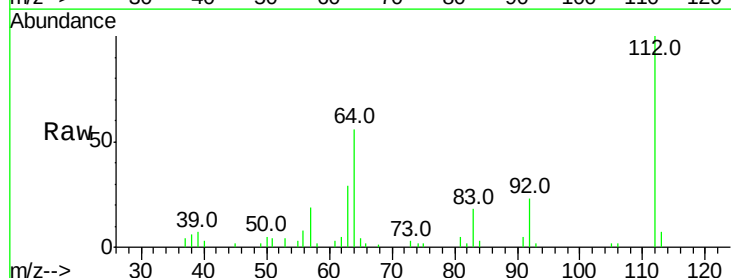
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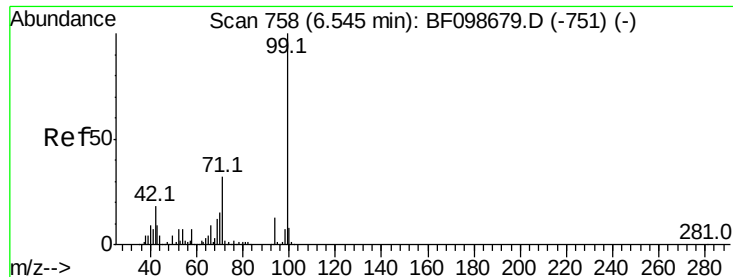


#5

2-Fluorophenol
Concen: 2.461 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.03 min
Lab File: BF098991.D
Acq: 1 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	29.3	23.7	35.5





#7

Phenol-d6

Concen: 2.570 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF098991.D

Acq: 1 Oct 2017 14:48

Instrument :

BNA_F

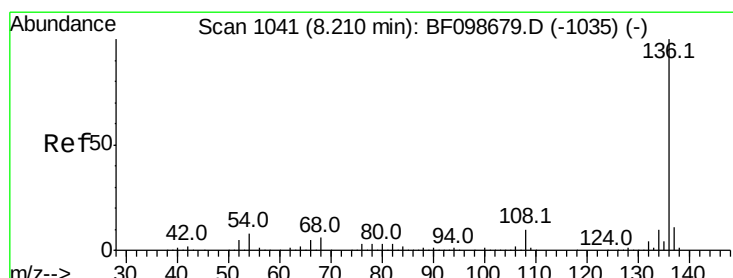
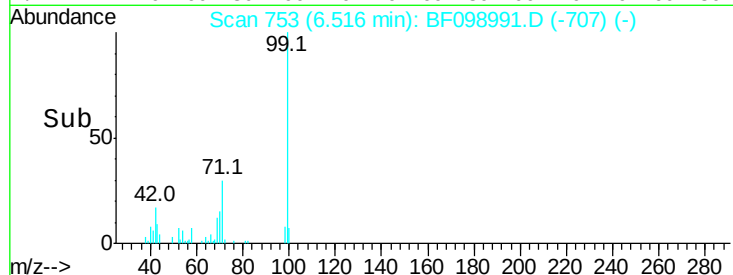
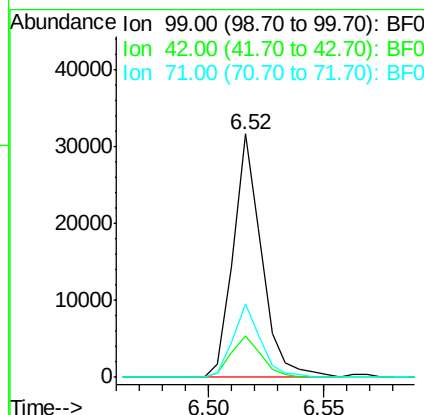
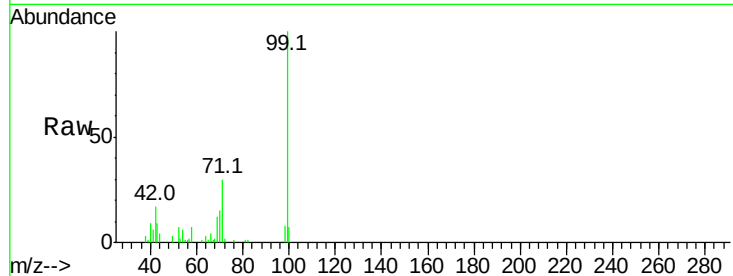
ClientSampleId :

NYSEG-PH4-SB-ESMI-4DL

Tot Ion:	99	Resp:	27149
Ion Ratio	Lower	Upper	
99	100		
42	17.0	14.5	21.7
71	30.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

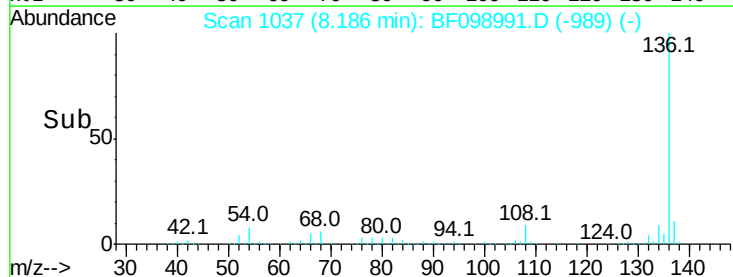
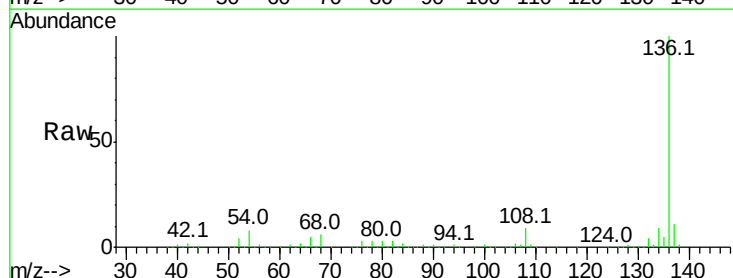
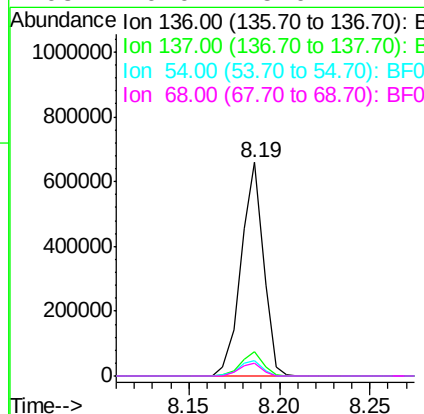
RT: 8.19 min Scan# 1037

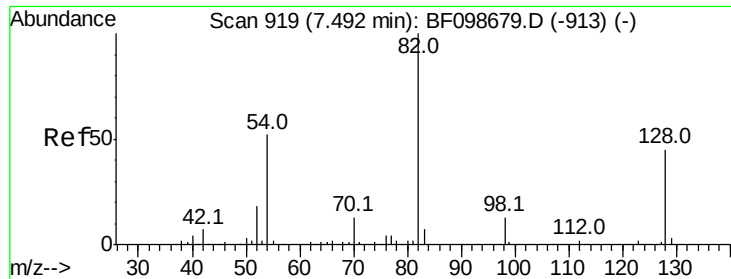
Delta R.T. -0.02 min

Lab File: BF098991.D

Acq: 1 Oct 2017 14:48

Tgt Ion:	136	Resp:	564337
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.5	6.6	9.8
68	6.0	5.0	7.4





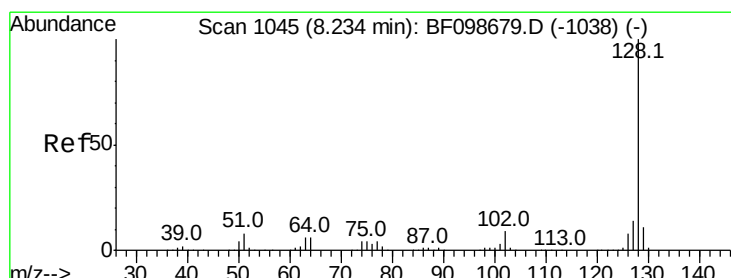
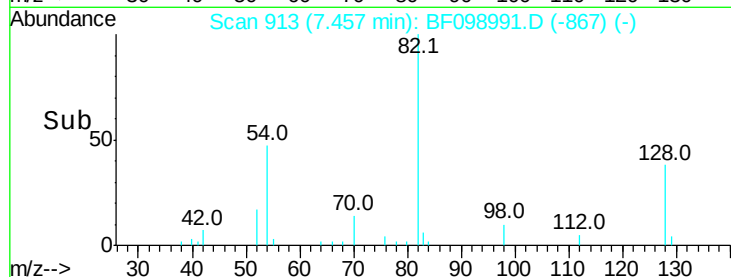
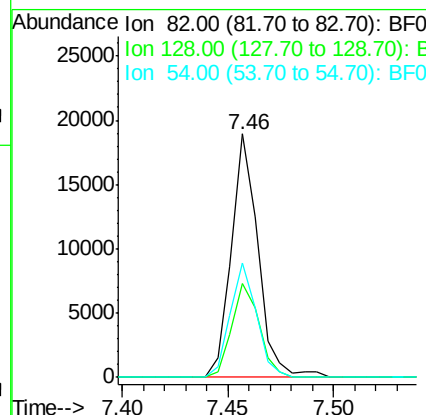
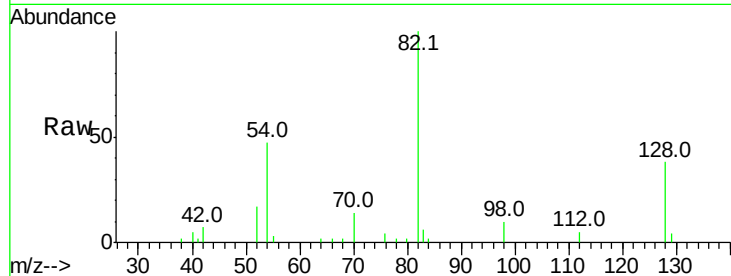
#23
 Nitrobenzene-d5
 Concen: 1.869 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.03 min
 Lab File: BF098991.D
 Acq: 1 Oct 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-4DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.3	36.1	54.1
54	47.1	41.4	62.2

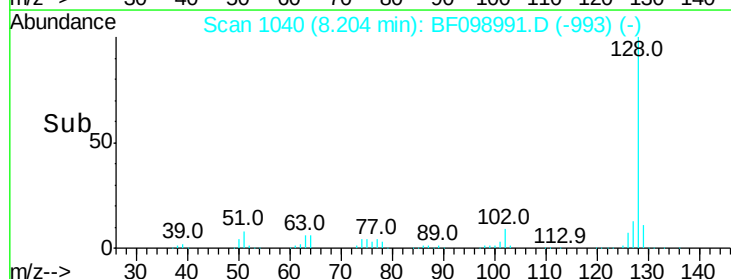
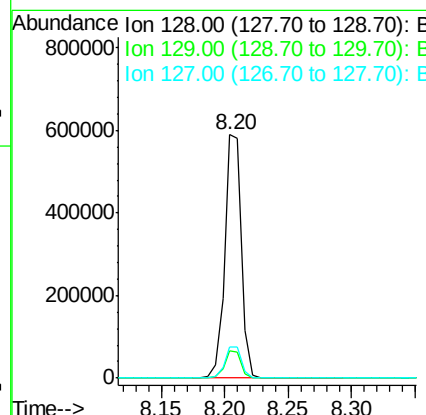
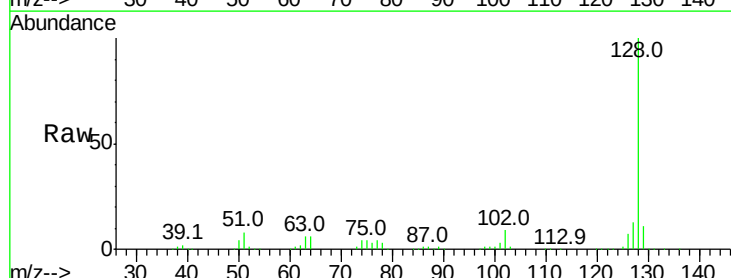
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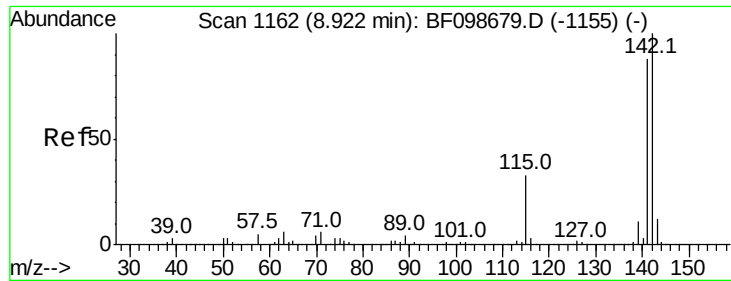
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#31
 Naphthalene
 Concen: 20.430 ng
 RT: 8.20 min Scan# 1040
 Delta R.T. -0.02 min
 Lab File: BF098991.D
 Acq: 1 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.0	10.9	16.3





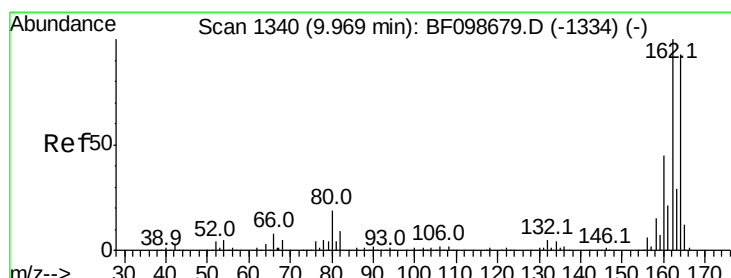
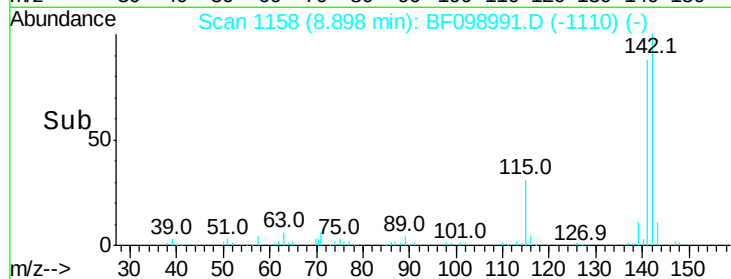
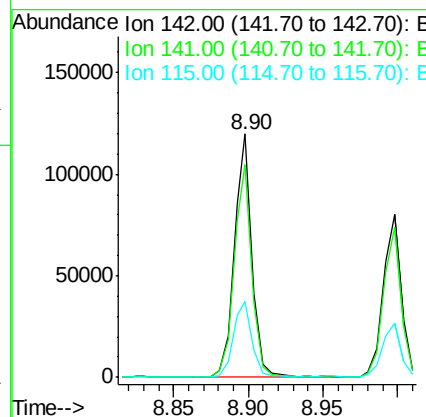
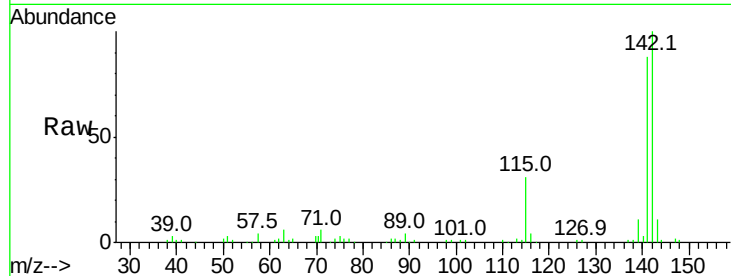
#37
2-Methylnaphthalene
Concen: 5.794 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF098991.D
Acq: 1 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.8	106.2
115	31.1	26.1	39.1

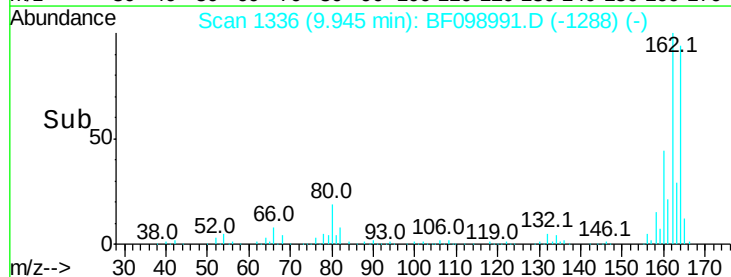
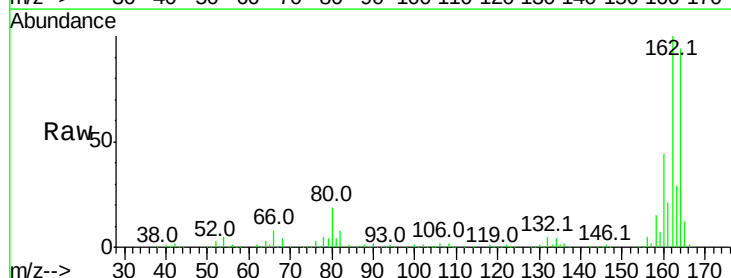
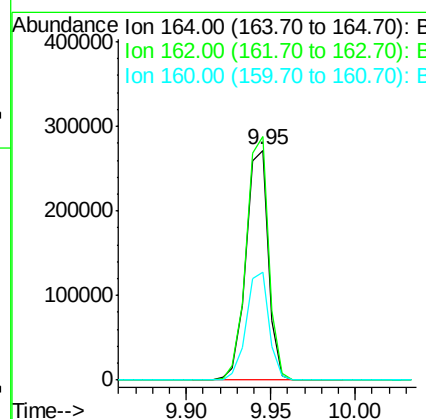
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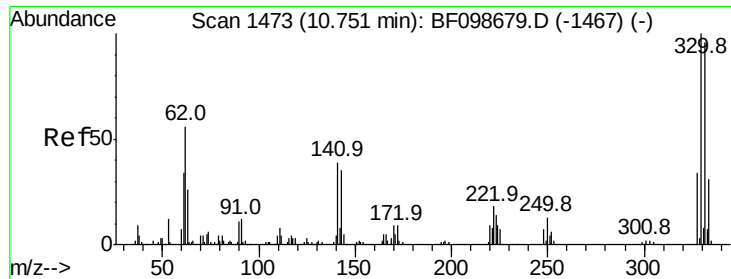
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF098991.D
Acq: 1 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.1	129.1
160	47.0	38.3	57.5





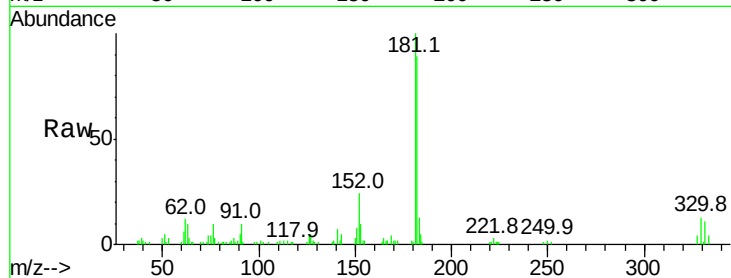
#41
 2,4,6-Tribromophenol
 Concen: 2.041 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.02 min
 Lab File: BF098991.D
 Acq: 1 Oct 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-4DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.1	77.0	115.6
141	69.5	29.9	44.9

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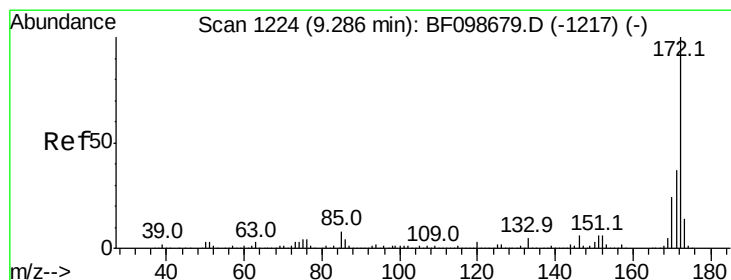
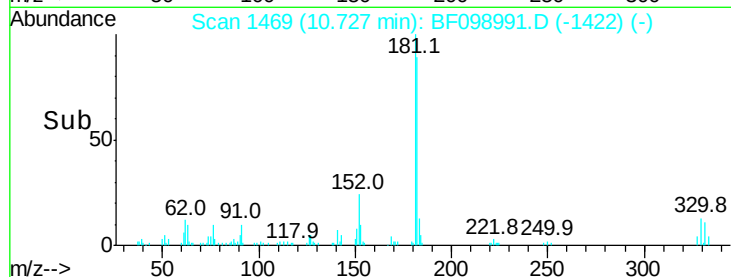
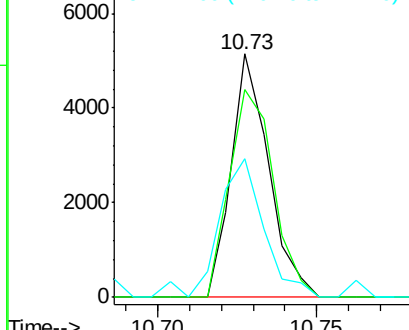


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 2.267 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: BF098991.D
 Acq: 1 Oct 2017 14:48

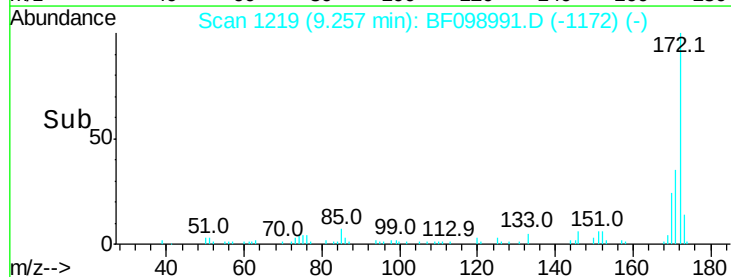
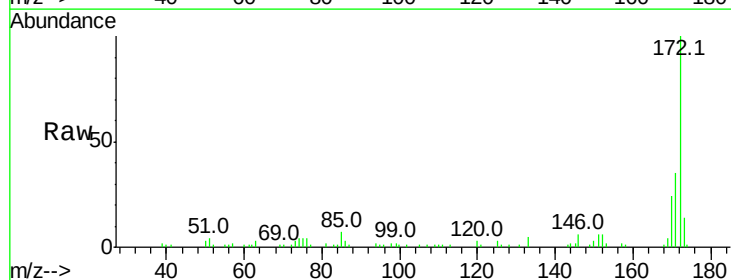
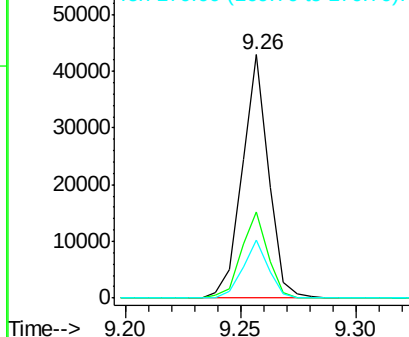
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.8	19.6	29.4

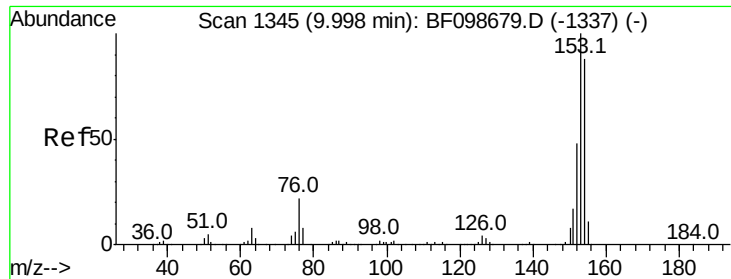
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 11.703 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF098991.D

Acq: 1 Oct 2017 14:48

Instrument :

BNA_F

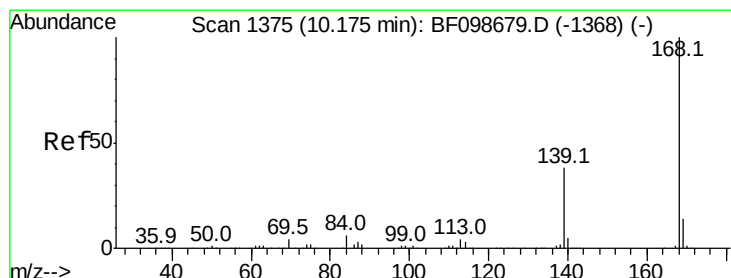
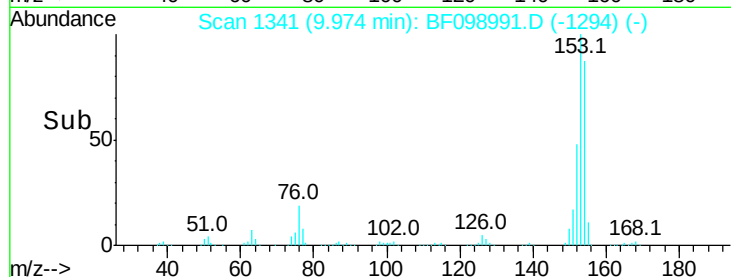
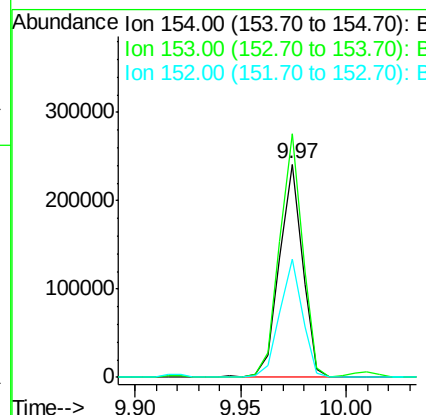
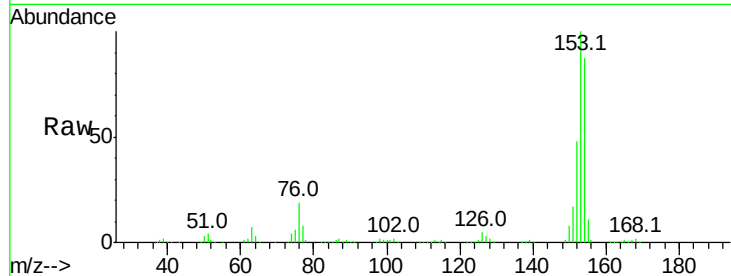
ClientSampleId :

NYSEG-PH4-SB-ESMI-4DL

Tot Ion:	154	Resp:	184246
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.2	136.8
152	55.3	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 7.439 ng

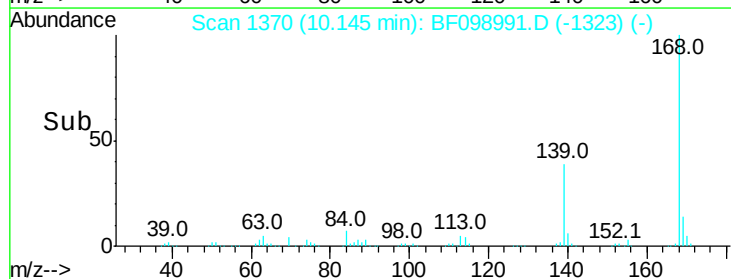
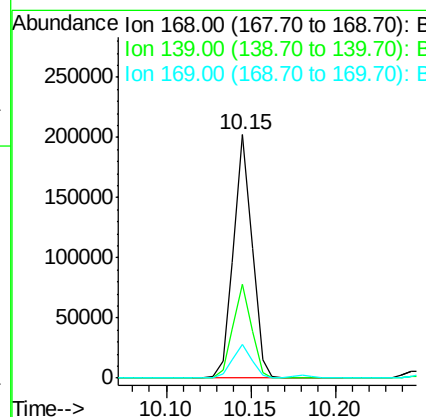
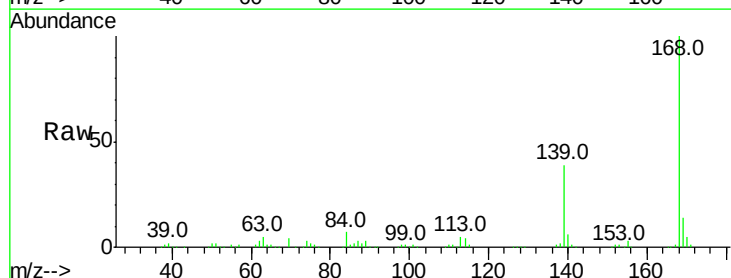
RT: 10.15 min Scan# 1370

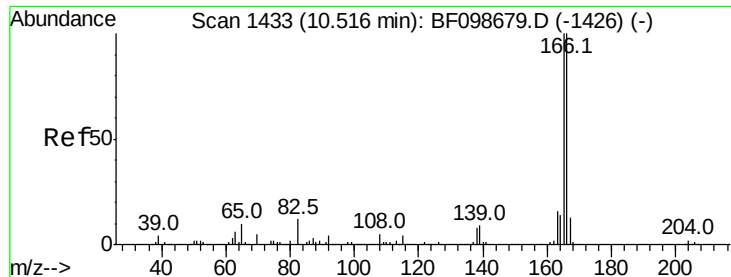
Delta R.T. -0.02 min

Lab File: BF098991.D

Acq: 1 Oct 2017 14:48

Tgt Ion:	168	Resp:	155931
Ion Ratio	Lower	Upper	
168	100		
139	38.7	30.1	45.1
169	14.0	10.9	16.3





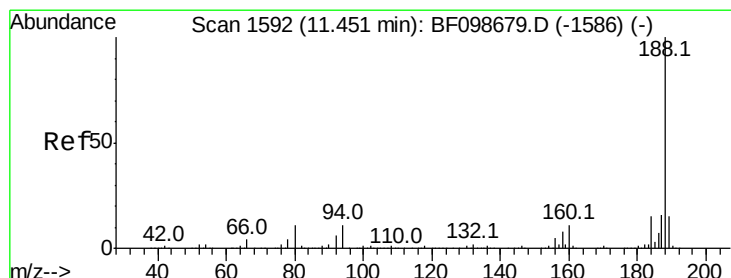
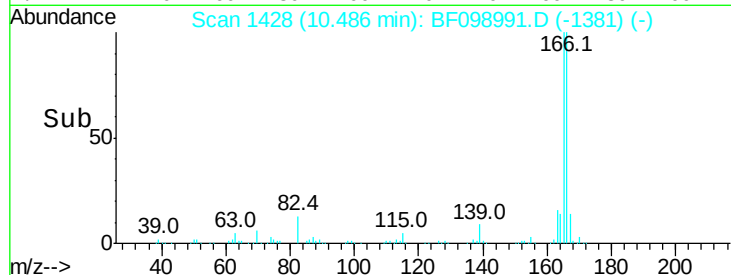
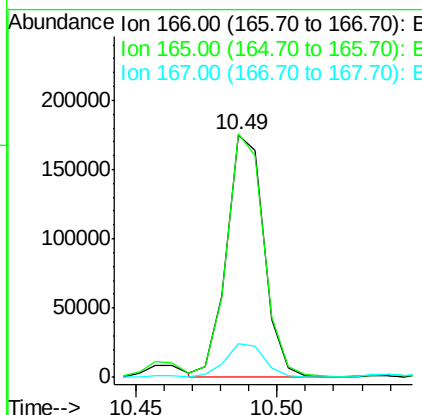
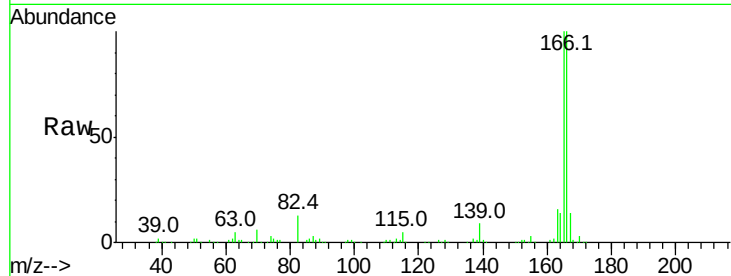
#57
Fluorene
 Concen: 9.459 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.02 min
 Lab File: BF098991.D
 Acq: 1 Oct 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-4DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	159364		
165	100.3	79.8	119.8	
167	13.8	10.6	16.0	

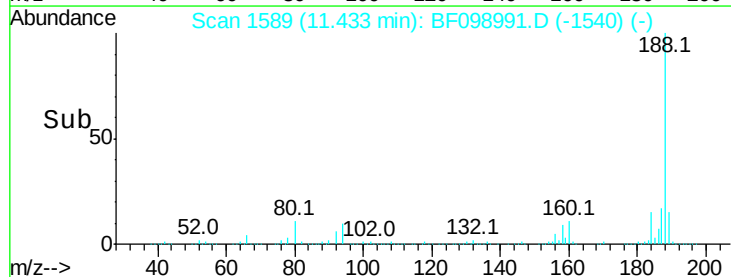
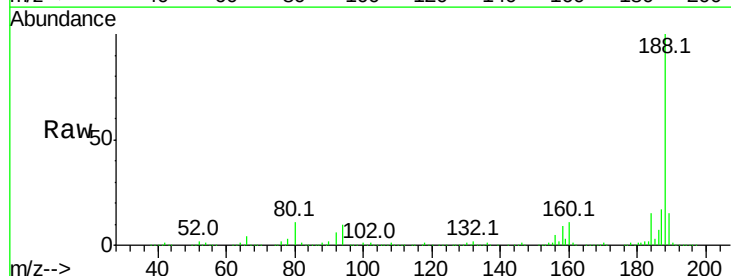
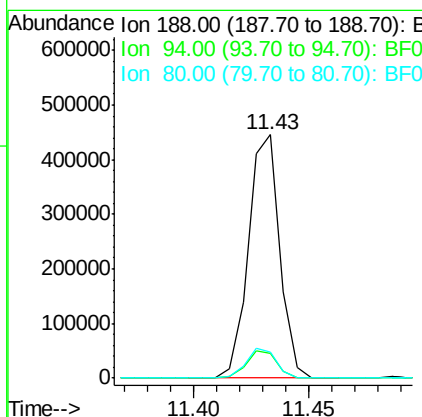
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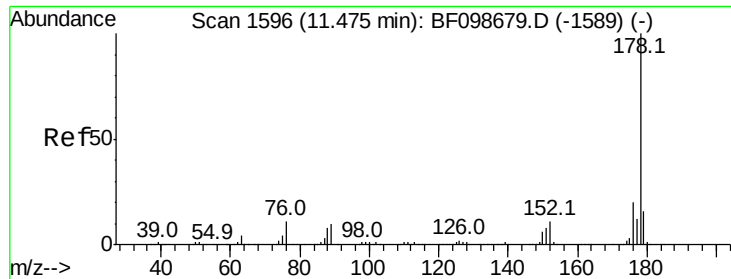
Sohil
 10/2/2017 5:49:11 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF098991.D
 Acq: 1 Oct 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	421625		
94	10.3	8.5	12.7	
80	10.9	9.2	13.8	





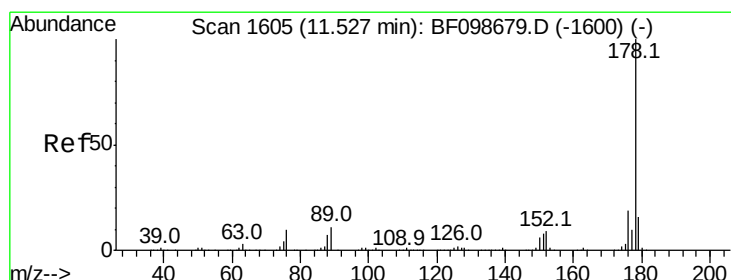
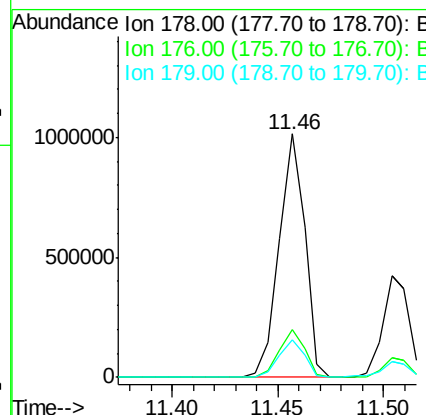
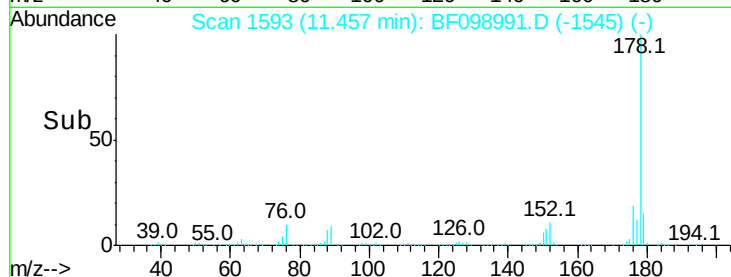
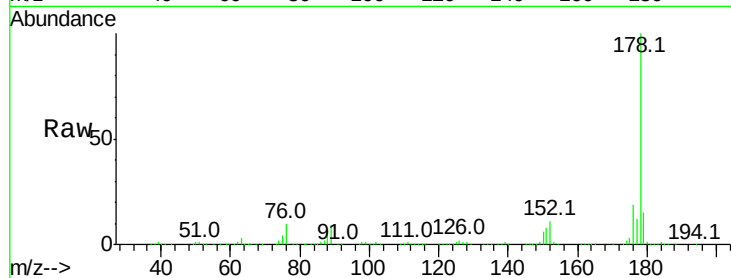
#70
Phenanthrene
Concen: 38.291 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF098991.D
Acq: 1 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.4	13.0	19.6

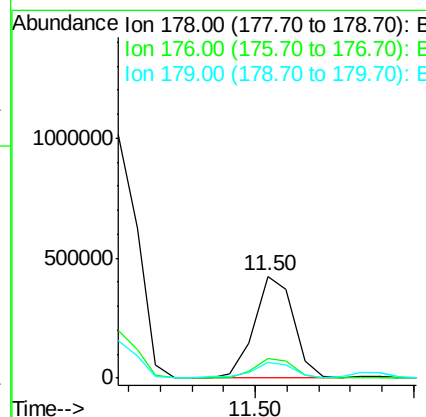
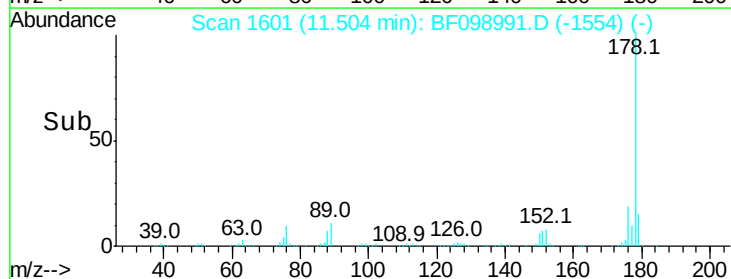
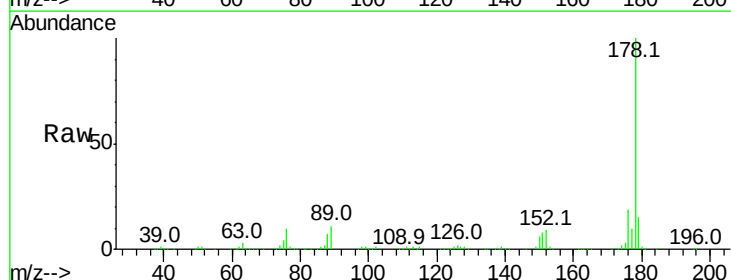
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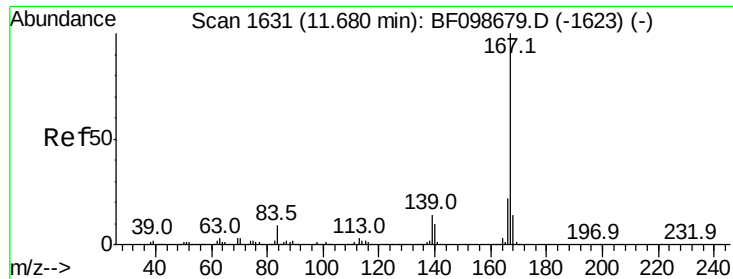
Sohil
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#71
Anthracene
Concen: 15.606 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.02 min
Lab File: BF098991.D
Acq: 1 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.2	12.6	19.0





#72

Carbazole

Concen: 2.909 ng

RT: 11.66 min Scan# 1627

Delta R.T. -0.02 min

Lab File: BF098991.D

Acq: 1 Oct 2017 14:48

Instrument :

BNA_F

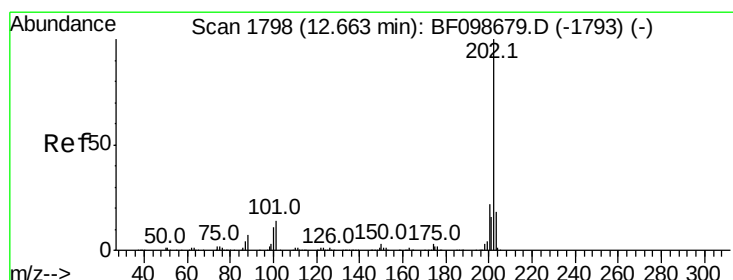
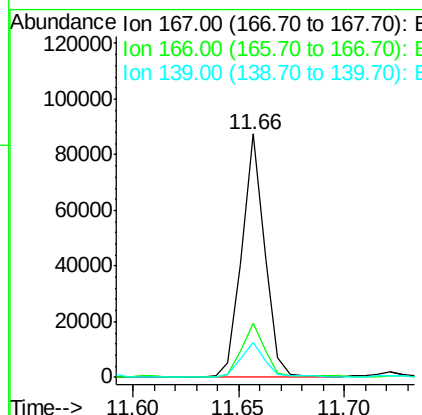
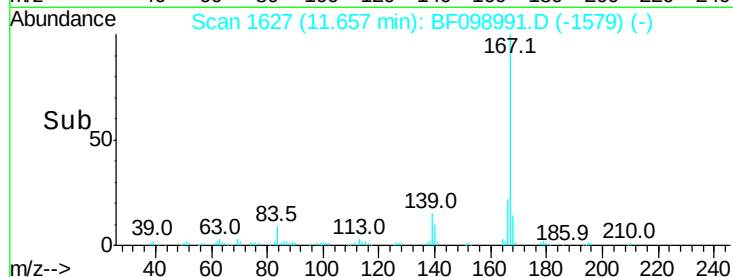
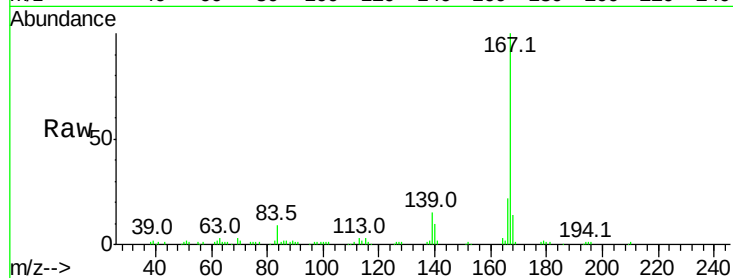
ClientSampleId :

NYSEG-PH4-SB-ESMI-4DL

Tot Ion:	167	Resp:	65787
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.6	26.4
139	14.5	10.9	16.3

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#74

Fluoranthene

Concen: 28.362 ng

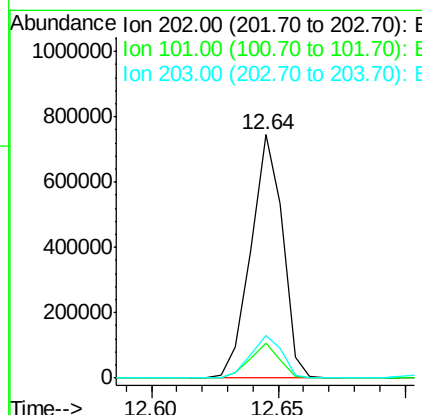
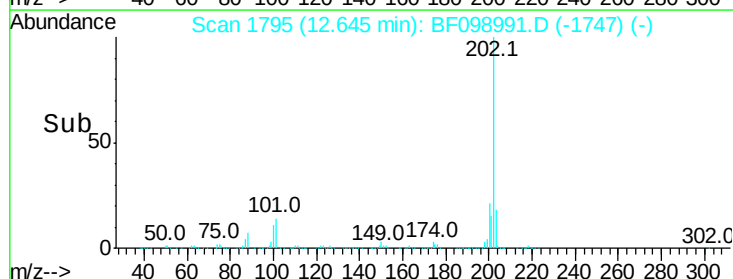
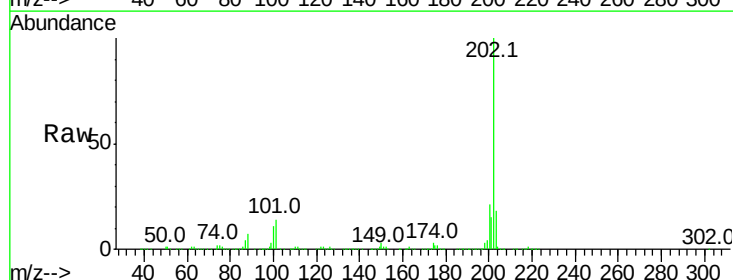
RT: 12.64 min Scan# 1795

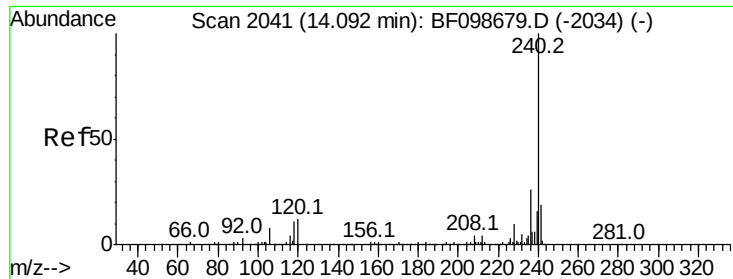
Delta R.T. -0.02 min

Lab File: BF098991.D

Acq: 1 Oct 2017 14:48

Tgt Ion:	202	Resp:	648148
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BF098991.D

Acq: 1 Oct 2017 14:48

Instrument :

BNA_F

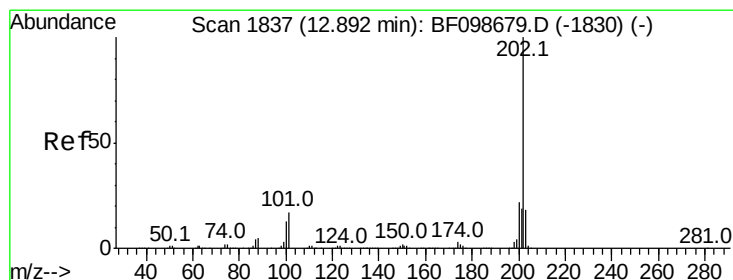
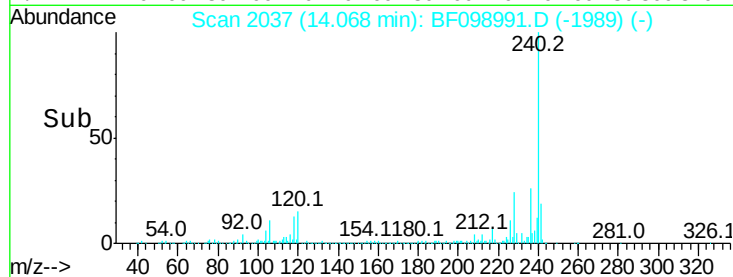
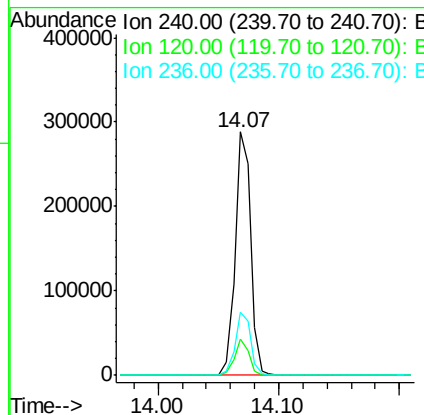
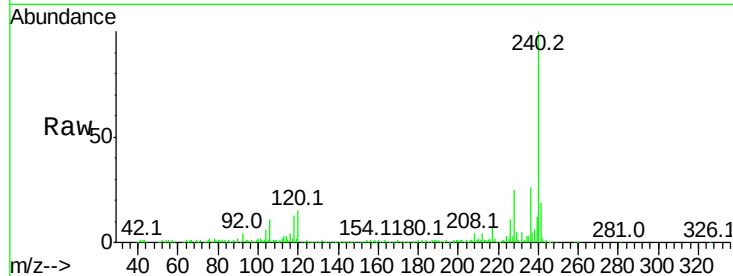
ClientSampleId :

NYSEG-PH4-SB-ESMI-4DL

Tot Ion:	240	Resp:	259281
Ion Ratio	Lower	Upper	
240	100		
120	14.8	9.5	14.3#
236	25.8	20.7	31.1

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#77

Pyrene

Concen: 27.135 ng

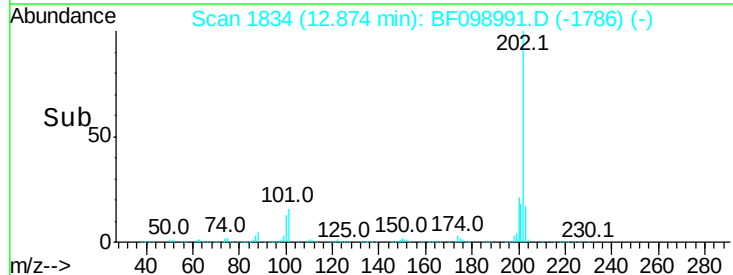
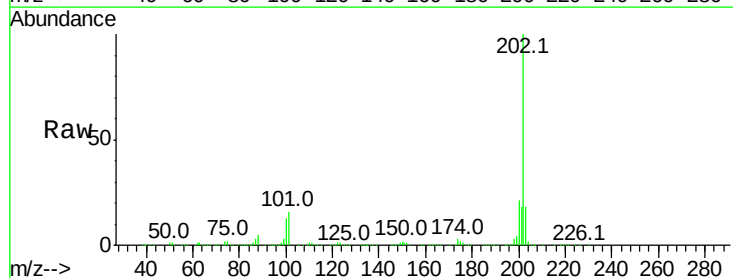
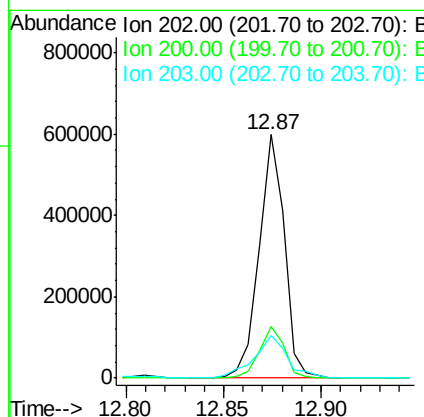
RT: 12.87 min Scan# 1834

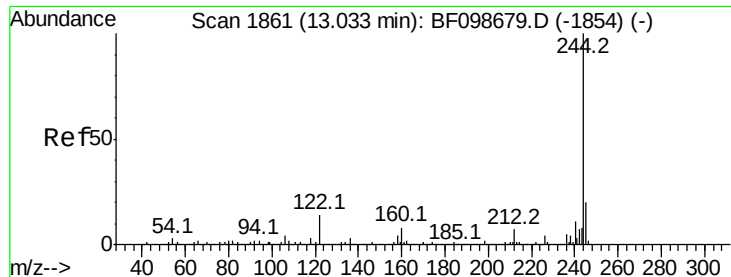
Delta R.T. -0.02 min

Lab File: BF098991.D

Acq: 1 Oct 2017 14:48

Tgt Ion:	202	Resp:	536495
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 2.302 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.02 min

Lab File: BF098991.D

Acq: 1 Oct 2017 14:48

Instrument :

BNA_F

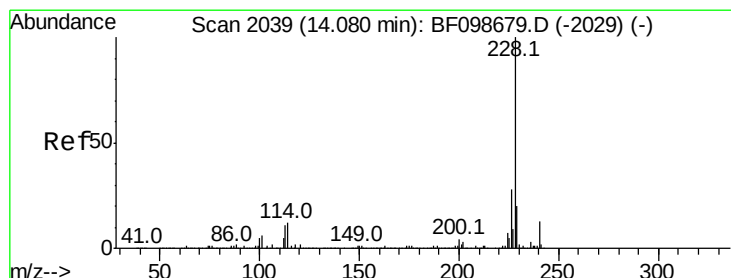
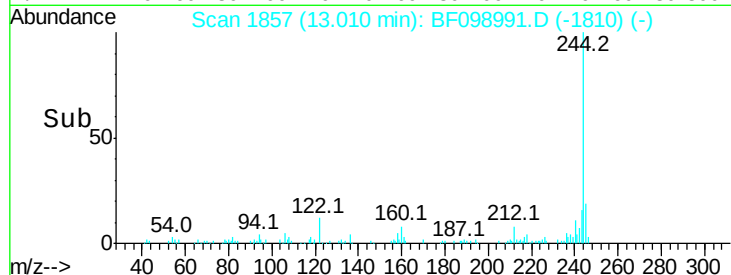
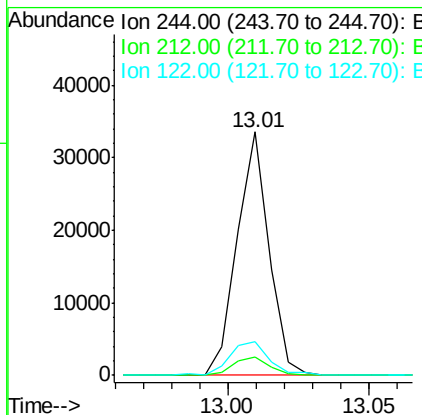
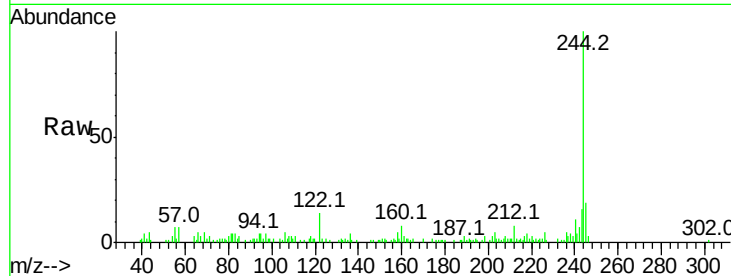
ClientSampleId :

NYSEG-PH4-SB-ESMI-4DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.4	8.0
122	13.6	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 11.788 ng m

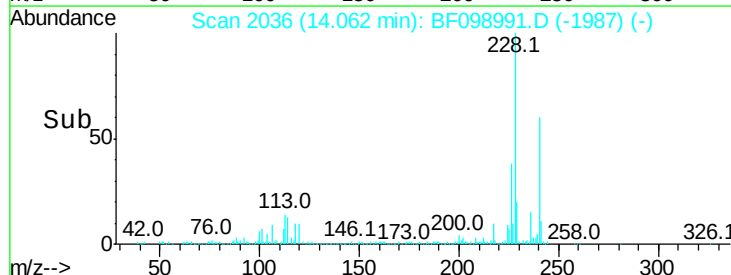
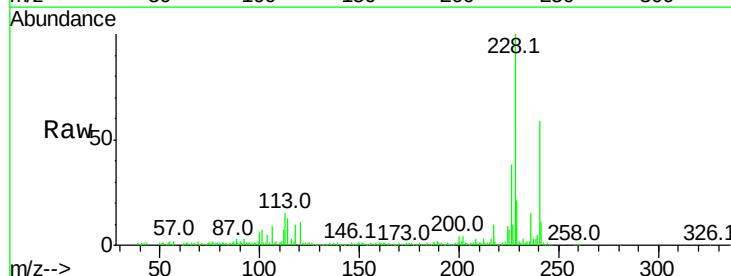
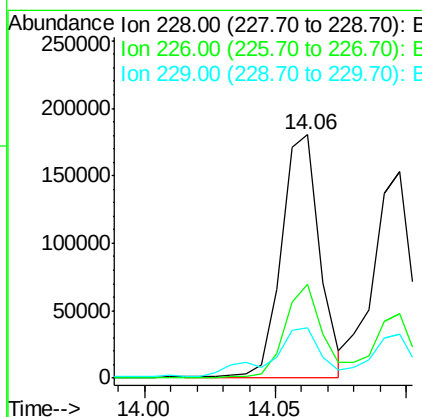
RT: 14.06 min Scan# 2036

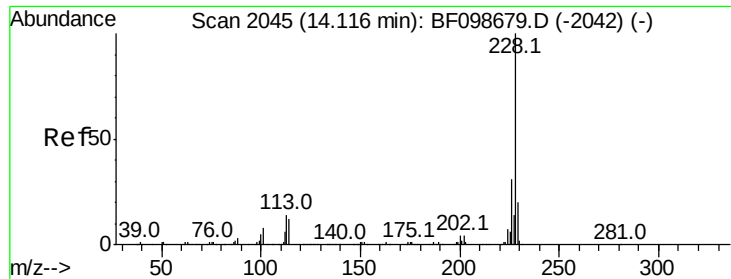
Delta R.T. -0.01 min

Lab File: BF098991.D

Acq: 1 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.4	22.6	33.8#
229	20.9	15.8	23.6





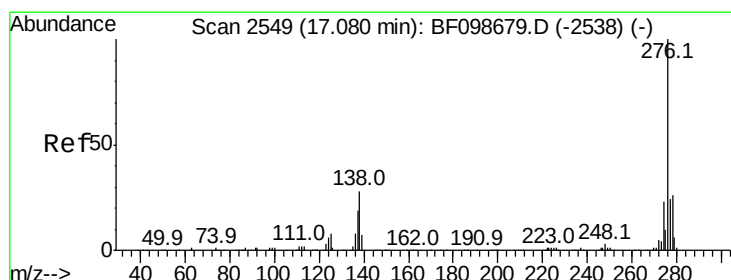
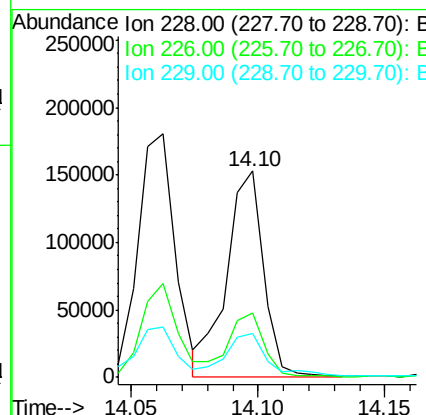
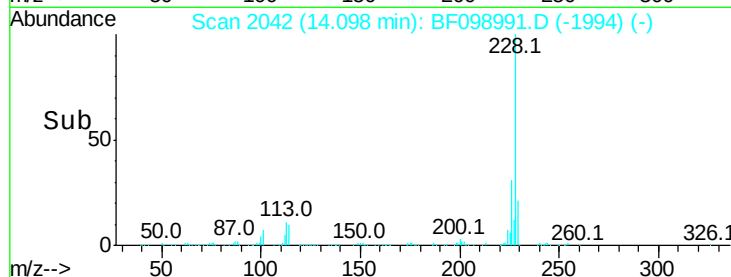
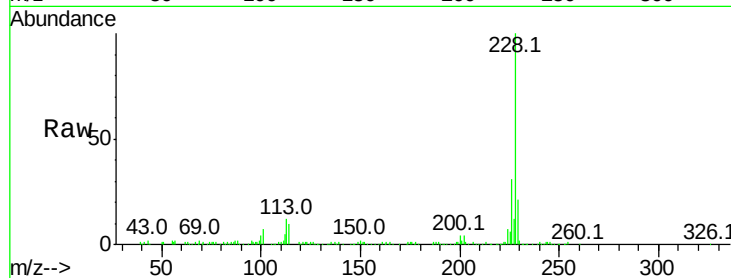
#82
Chrysene
Concen: 10.288 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF098991.D
Acq: 1 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	21.5	16.2	24.4

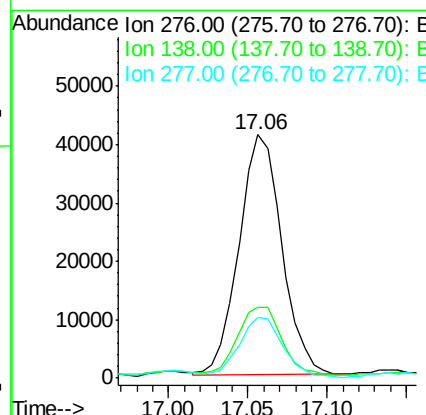
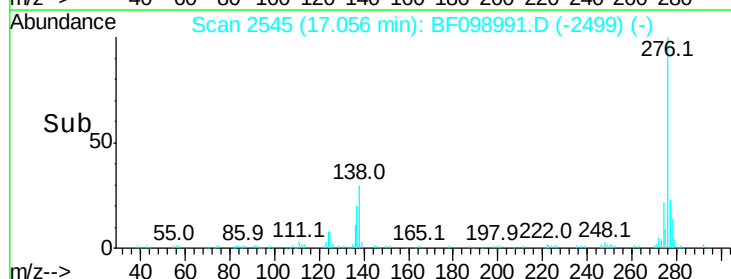
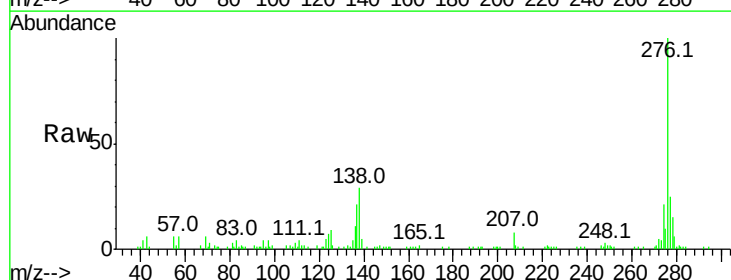
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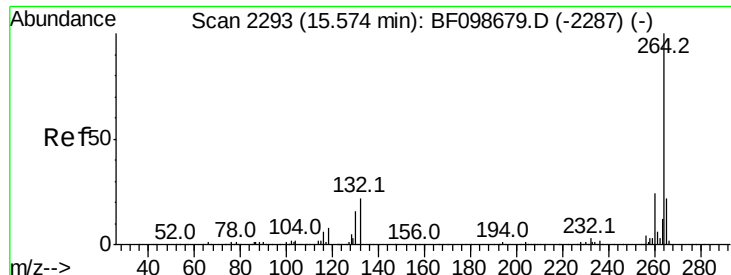
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.439 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.03 min
Lab File: BF098991.D
Acq: 1 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.1	25.0	37.6
277	26.7	20.1	30.1





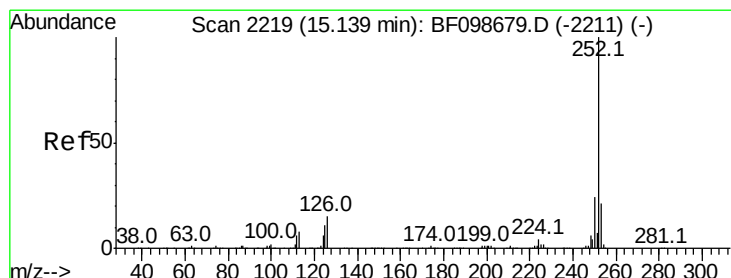
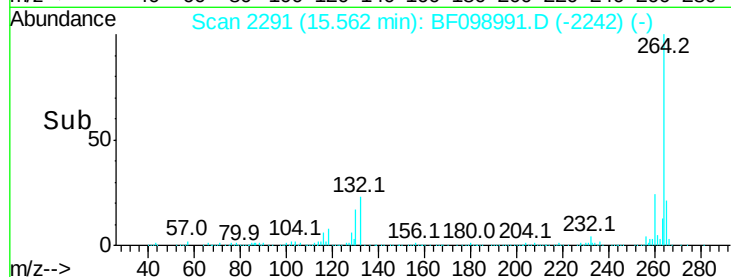
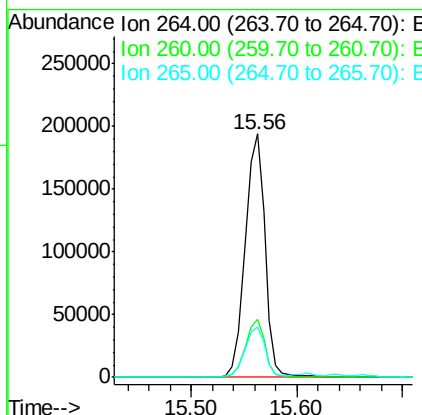
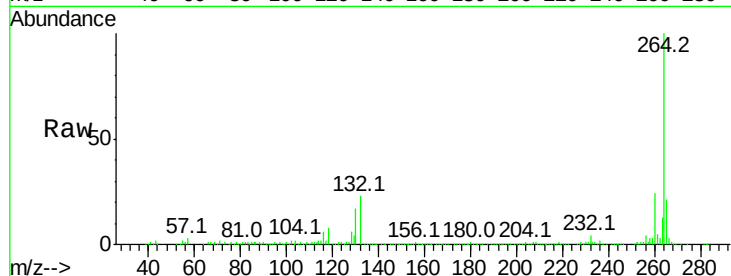
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF098991.D
Acq: 1 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	20.9	17.5	26.3

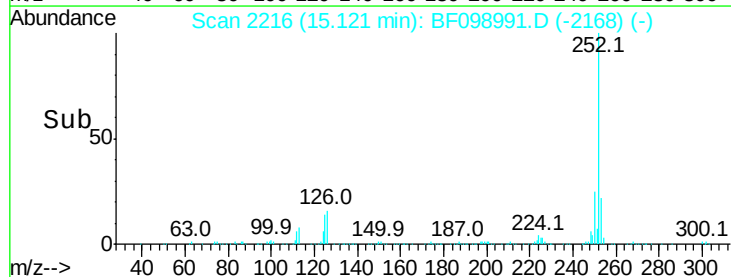
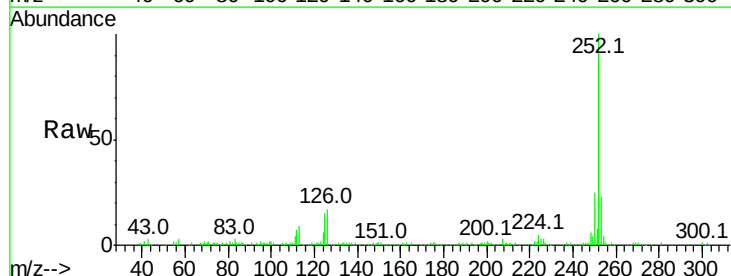
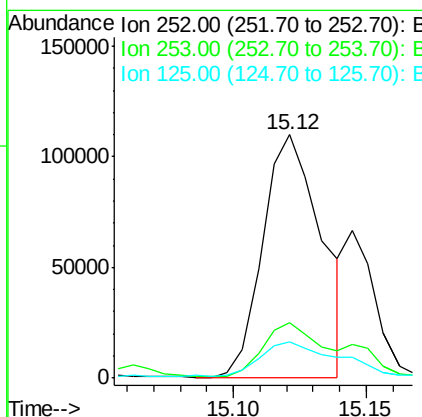
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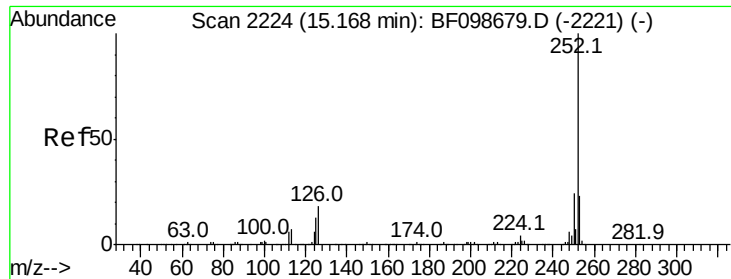
Sohil
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#87
Benzo(b)fluoranthene
Concen: 10.875 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF098991.D
Acq: 1 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	15.0	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 3.487 ng m

RT: 15.14 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BF098991.D

Acq: 1 Oct 2017 14:48

Instrument :

BNA_F

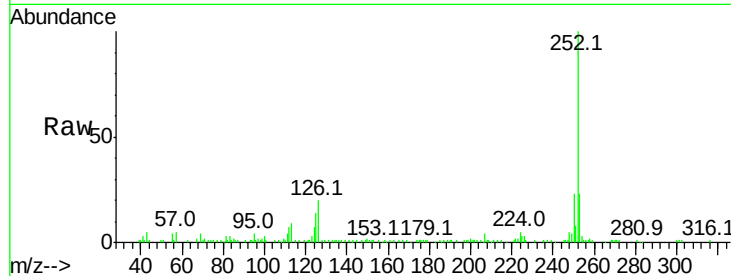
ClientSampleId :

NYSEG-PH4-SB-ESMI-4DL

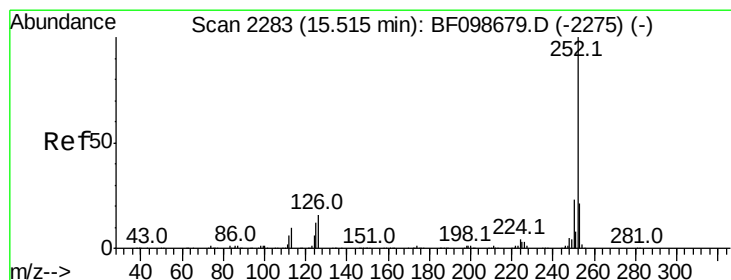
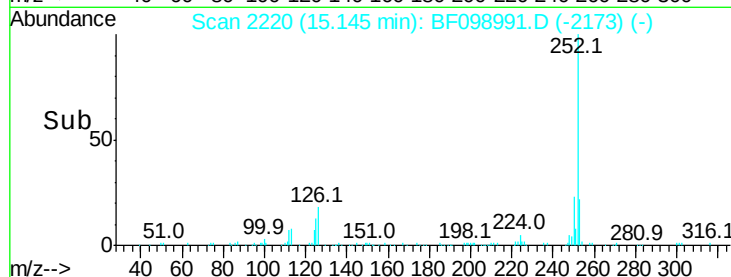
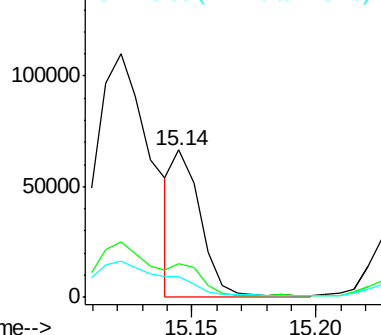
Tot Ion:	252	Resp:	53360
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	14.4	10.2	15.2

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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: 9.686 ng

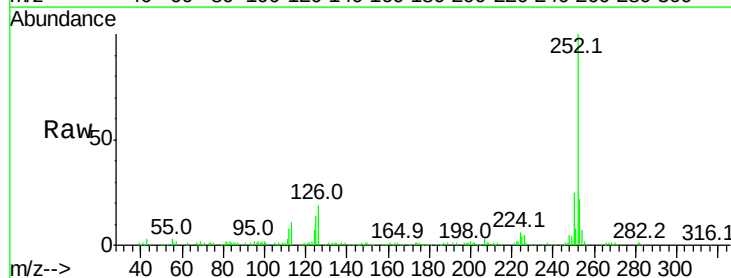
RT: 15.50 min Scan# 2280

Delta R.T. -0.02 min

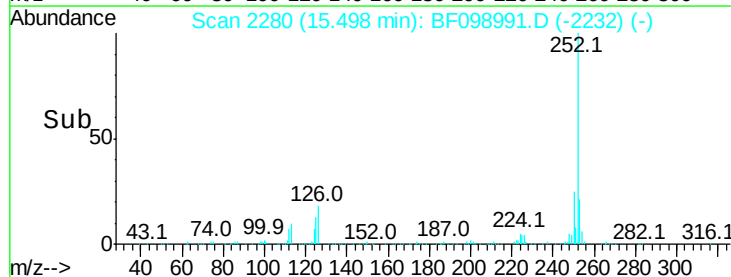
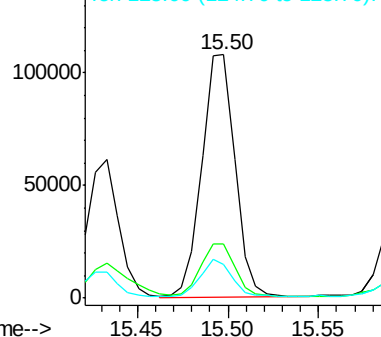
Lab File: BF098991.D

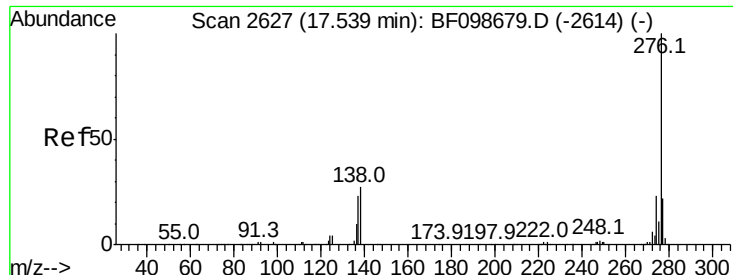
Acq: 1 Oct 2017 14:48

Tgt Ion:	252	Resp:	137757
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.1	25.7
125	13.7	9.8	14.6



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: 6.314 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. -0.03 min
 Lab File: BF098991.D
 Acq: 1 Oct 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-4DL

Tot Ion:	276	Resp:	71036
Ion Ratio	Lower	Upper	
276	100		
277	23.0	17.9	26.9
138	29.6	21.8	32.8

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