

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
 Data File : BF098992.D
 Acq On : 1 Oct 2017 15:16
 Operator : SJ/JU
 Sample : I5563-07DL 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7DL

Manual Integrations
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Sohil
 10/2/2017 5:49:13 PM

Quant Time: Oct 02 07:30:28 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	136145	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	554497	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	250715	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	419811	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	256895	20.00	ng	-0.02
86) Perylene-d12	15.56	264	254277	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	22032	2.58	ng	-0.03
7) Phenol-d6	6.52	99	27490	2.61	ng	-0.03
23) Nitrobenzene-d5	7.46	82	15770m	1.82	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	4161	2.03	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	27999	1.86	ng	-0.02
78) Terphenyl-d14	13.01	244	20243	1.79	ng	-0.02
Target Compounds						
31) Naphthalene	8.20	128	88462	3.397	ng	Qvalue 100
51) Acenaphthene	9.97	154	105902	6.750	ng	99
54) Dibenzofuran	10.15	168	85660	4.101	ng	99
57) Fluorene	10.49	166	122295	7.284	ng	98
70) Phenanthrene	11.46	178	712246	31.696	ng	99
71) Anthracene	11.50	178	327018	14.223	ng	99
74) Fluoranthene	12.64	202	709055	31.161	ng	99
77) Pyrene	12.87	202	603585	30.812	ng	100
80) Benzo(a)anthracene	14.06	228	214320m	13.778	ng	
82) Chrysene	14.10	228	177267	11.970	ng	98
85) Indeno(1,2,3-cd)pyrene	17.06	276	98100	8.281	ng	97
87) Benzo(b)fluoranthene	15.12	252	211617m	13.536	ng	
88) Benzo(k)fluoranthene	15.14	252	65539m	4.244	ng	
89) Benzo(a)pyrene	15.49	252	175261	12.213	ng	96
91) Benzo(a,h,i)perylene	17.52	276	93894	8.271	ng	94

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

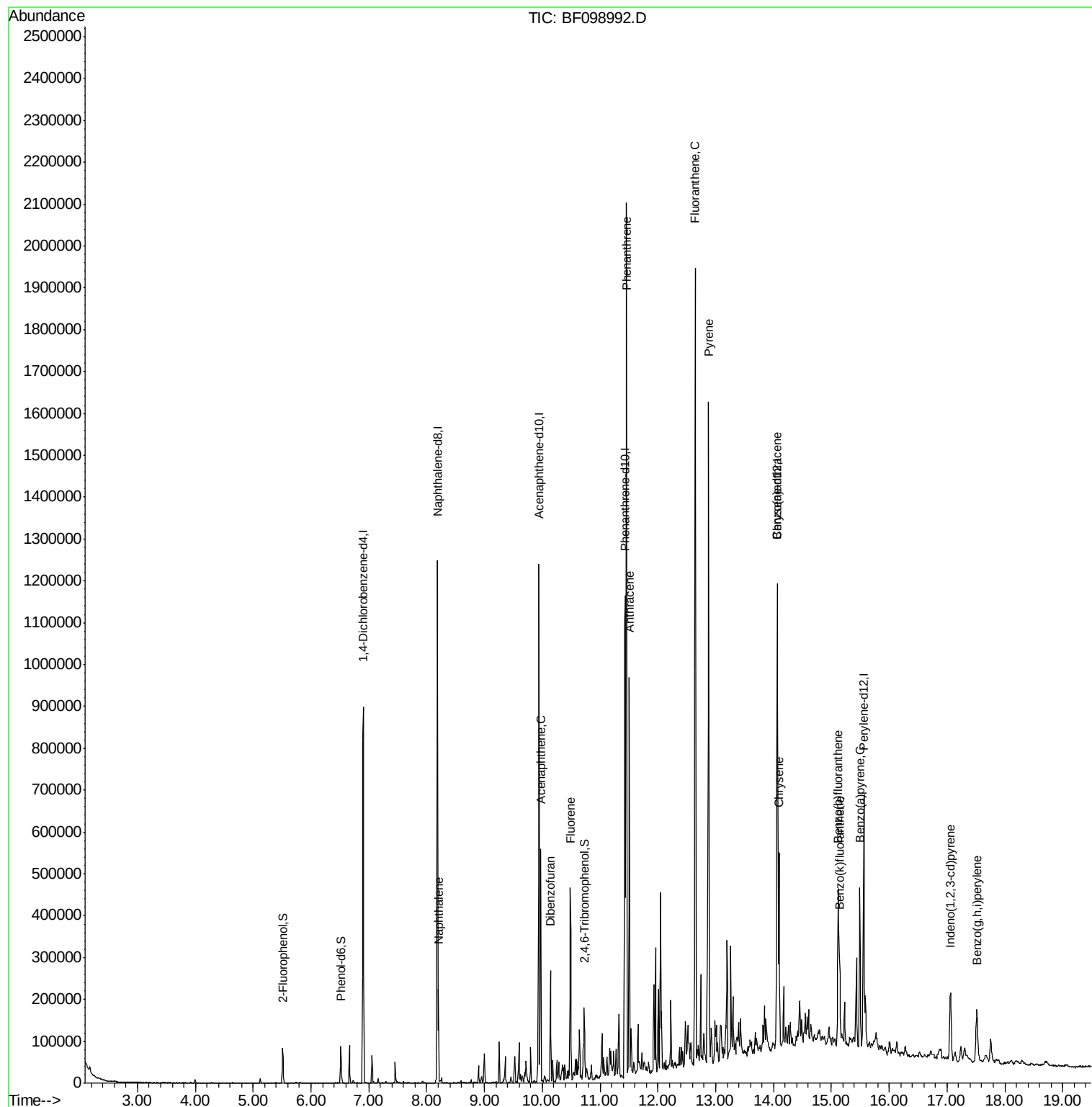
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
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ALS Vial : 10 Sample Multiplier: 1

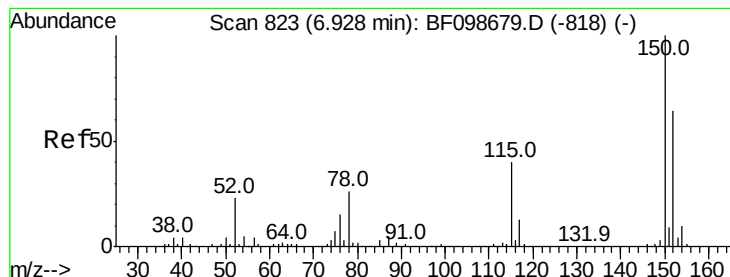
Instrument :
BNA_F
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#1

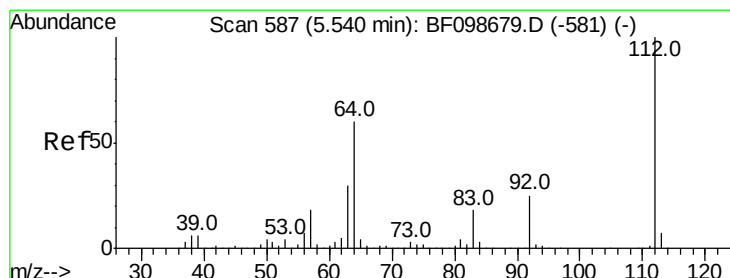
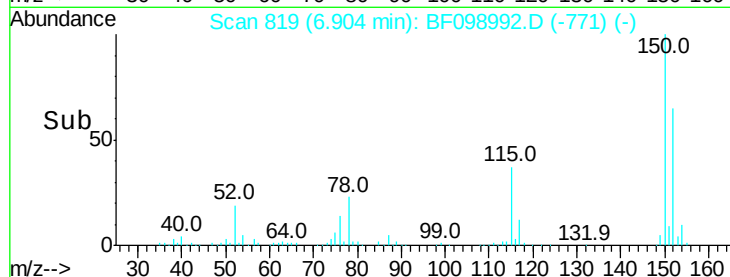
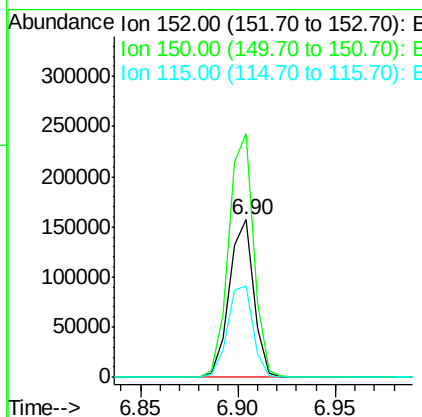
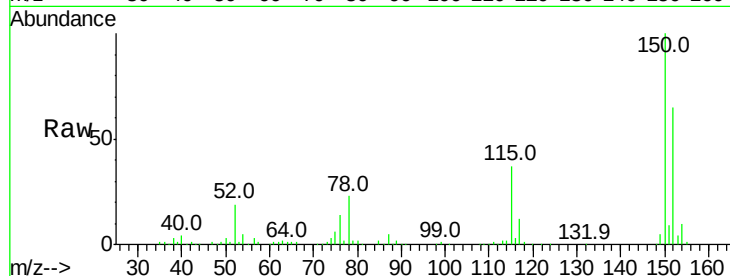
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	57.8	50.1	75.1

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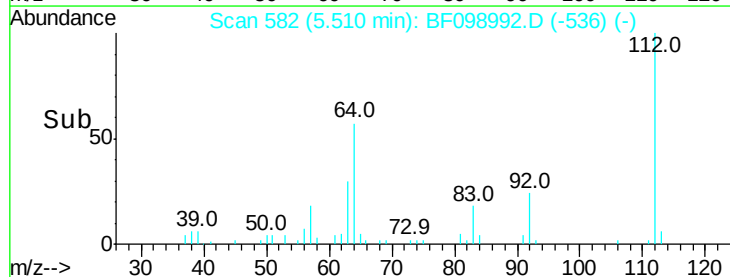
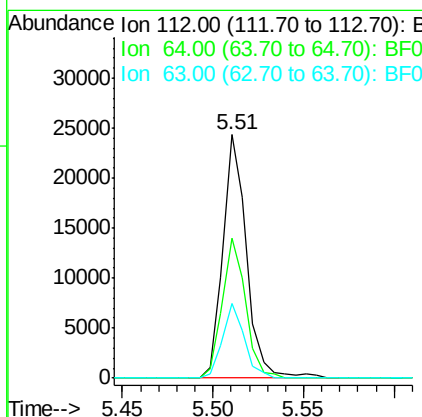
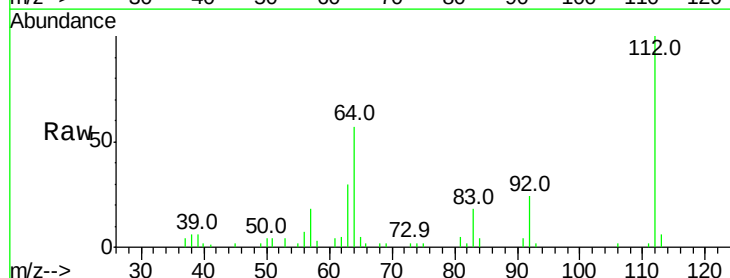
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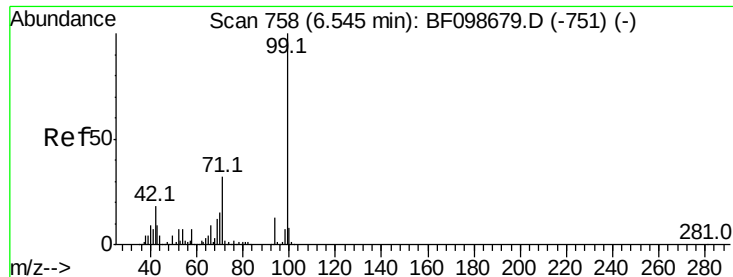


#5

2-Fluorophenol
Concen: 2.576 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.03 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 2.606 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Instrument :

BNA_F

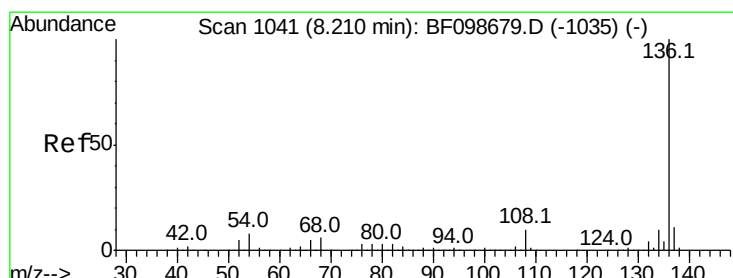
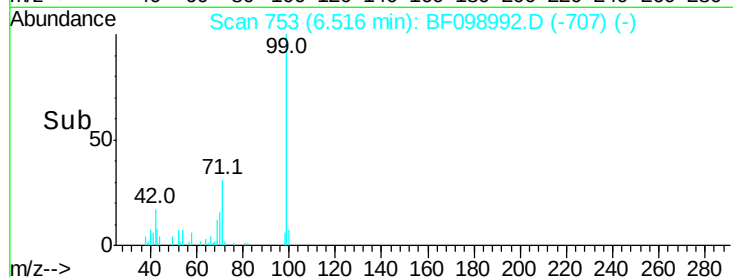
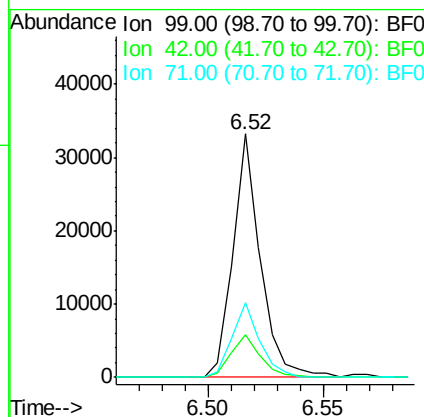
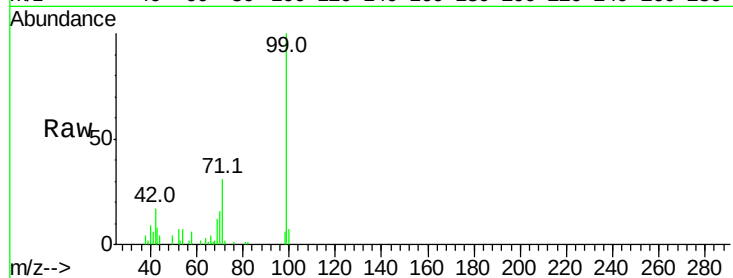
ClientSampleId :

NYSEG-PH4-SB-ESMI-7DL

Tot Ion:	99	Resp:	27490
Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.5	21.7
71	30.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

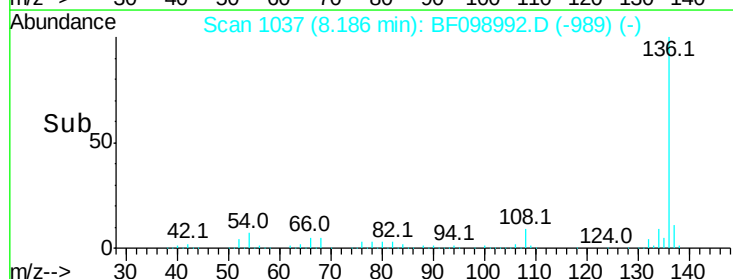
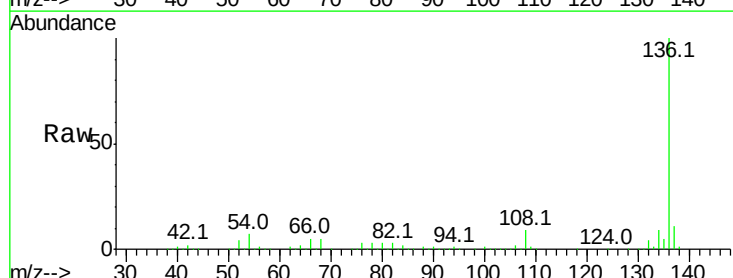
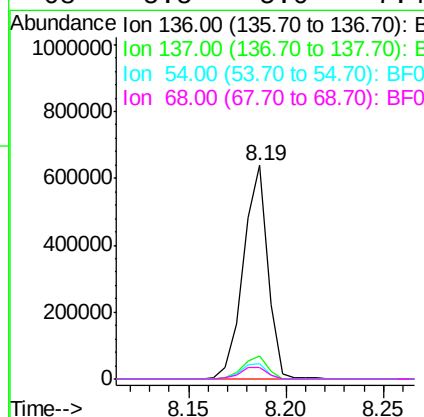
RT: 8.19 min Scan# 1037

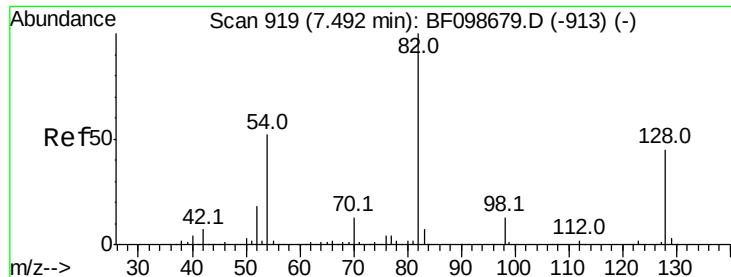
Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Tgt Ion:	136	Resp:	554497
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.3	6.6	9.8
68	5.5	5.0	7.4





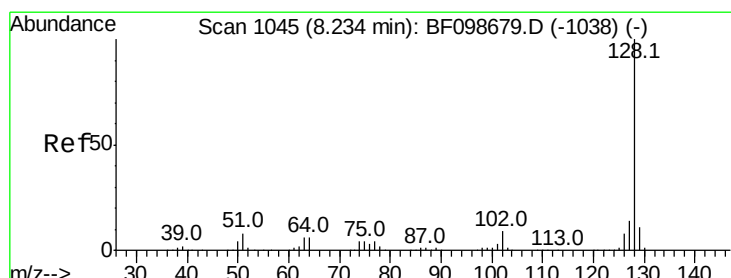
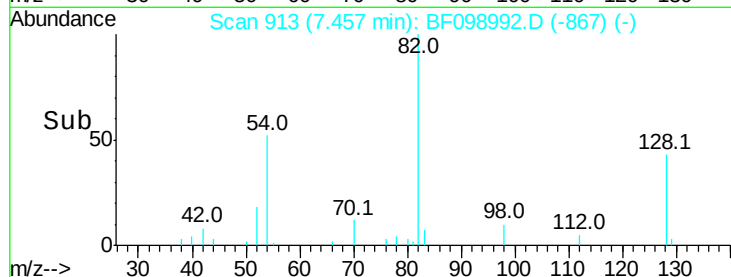
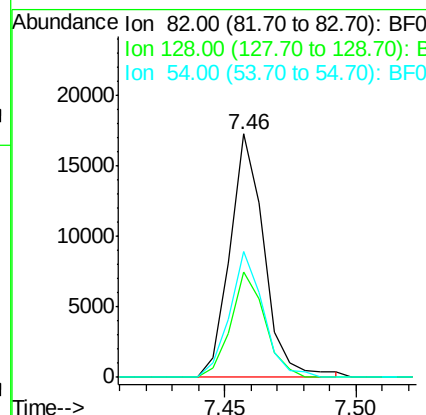
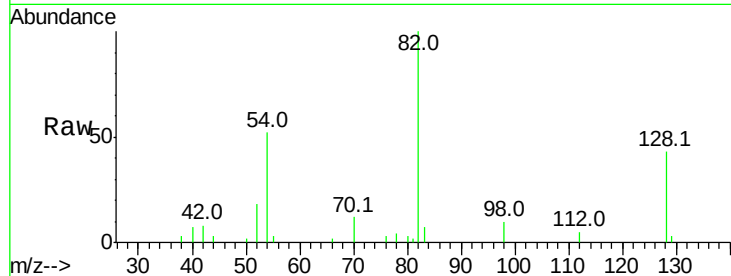
#23
Nitrobenzene-d5
Concen: 1.824 ng/ml
RT: 7.46 min Scan# 913
Delta R.T. -0.03 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.1	54.1
54	51.5	41.4	62.2

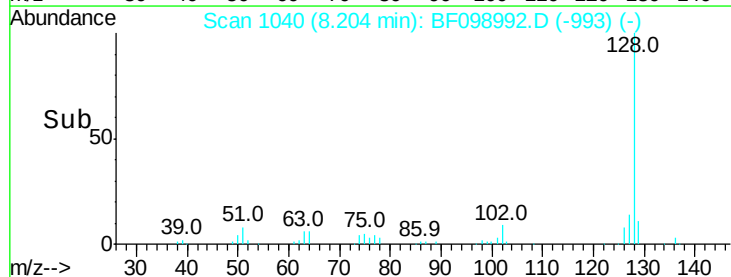
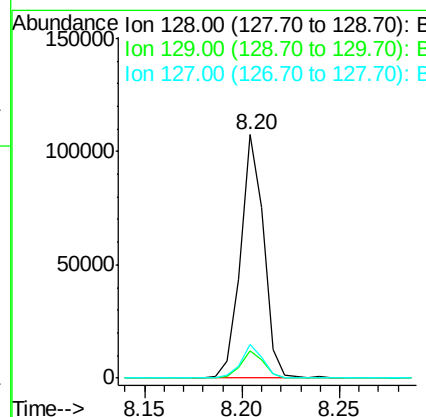
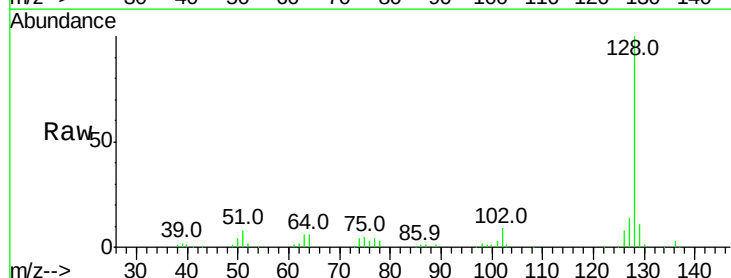
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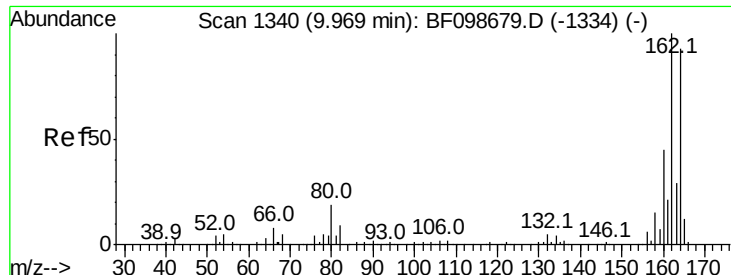
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#31
Naphthalene
Concen: 3.397 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.6	10.9	16.3





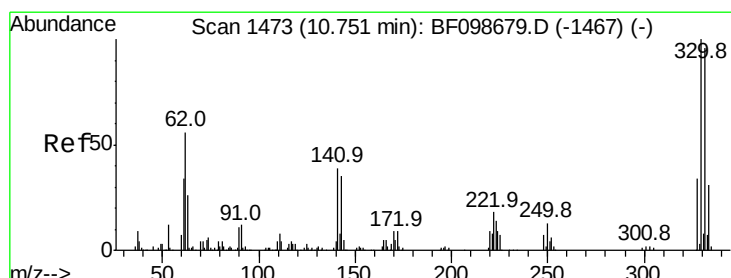
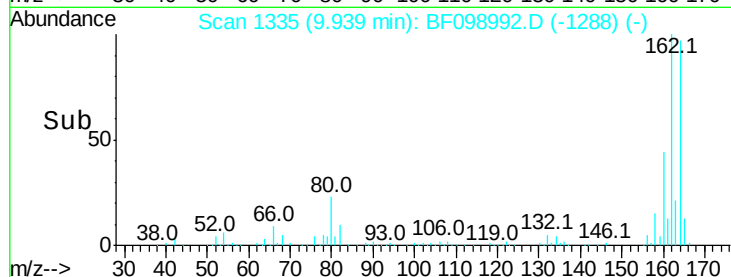
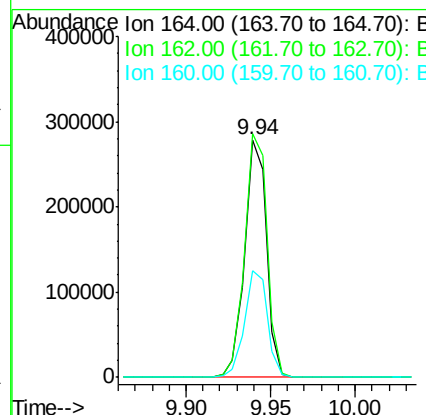
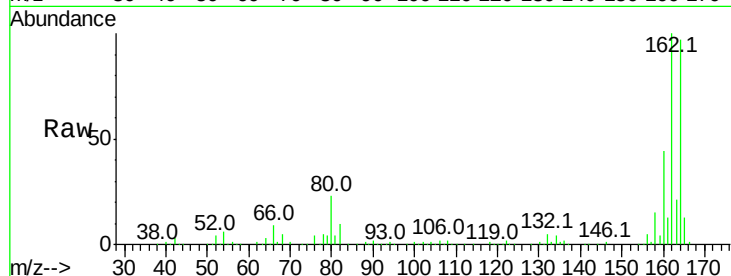
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	250715		
162	102.6	86.1	129.1	
160	45.1	38.3	57.5	

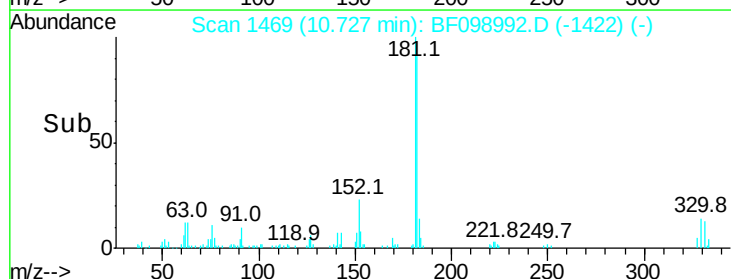
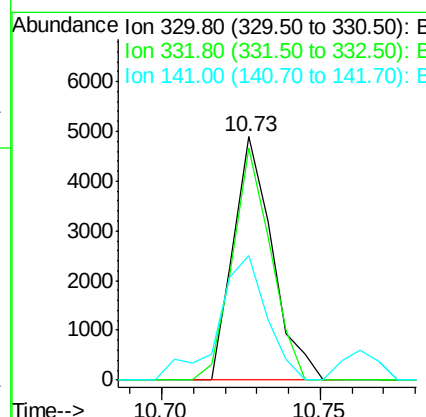
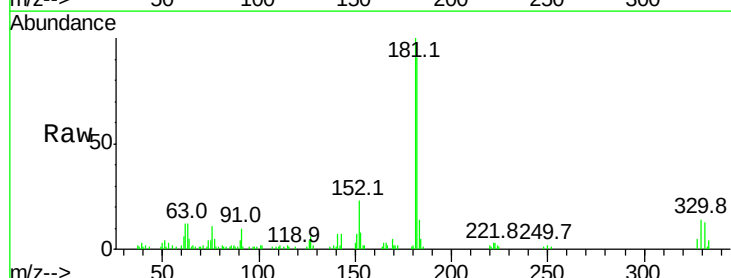
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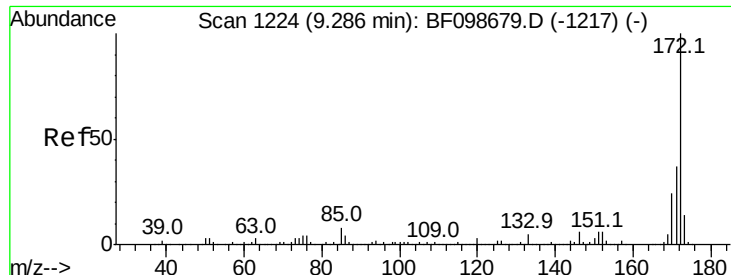
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#41
 2,4,6-Tribromophenol
 Concen: 2.028 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.02 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	4161		
332	93.2	77.0	115.6	
141	63.4	29.9	44.9#	





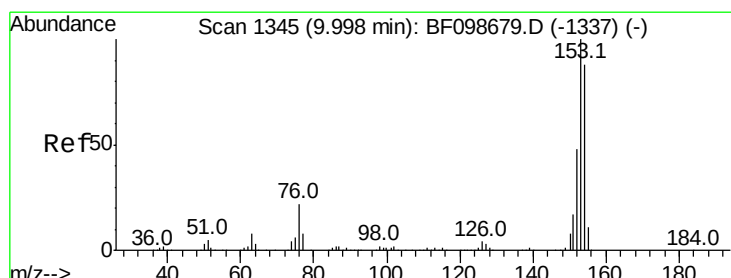
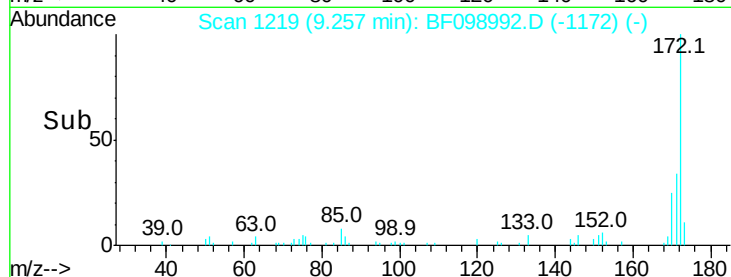
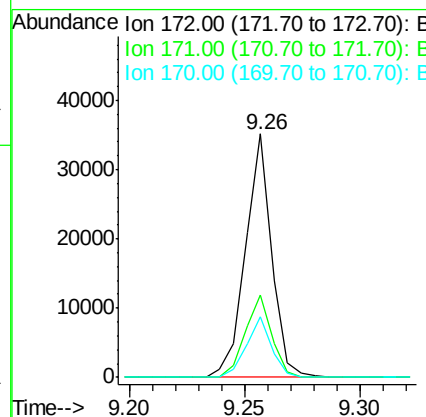
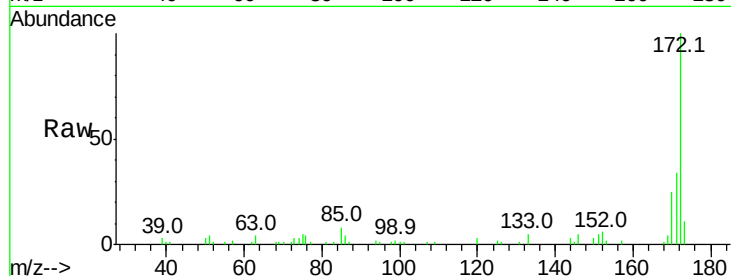
#44
 2-Fluorobiphenyl
 Concen: 1.864 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.7	44.5
170	25.0	19.6	29.4

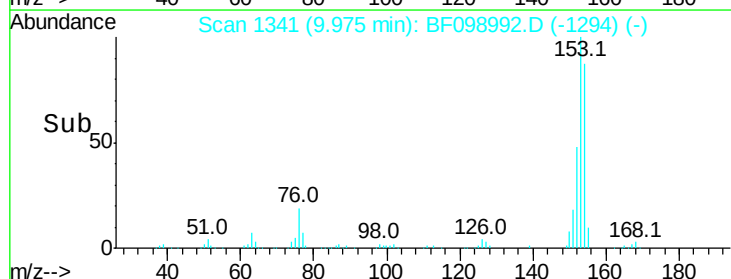
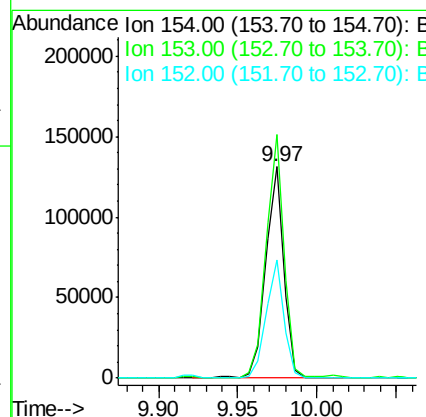
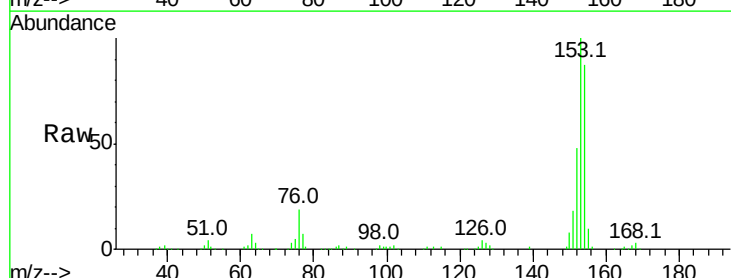
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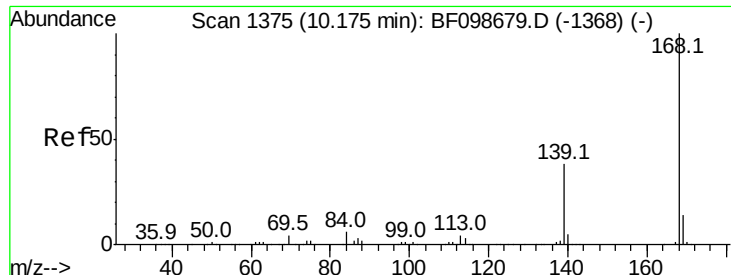
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#51
 Acenaphthene
 Concen: 6.750 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.02 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.2	136.8
152	55.7	43.8	65.8





#54

Dibenzenofuran

Concen: 4.101 ng

RT: 10.15 min Scan# 1370

Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Instrument :

BNA_F

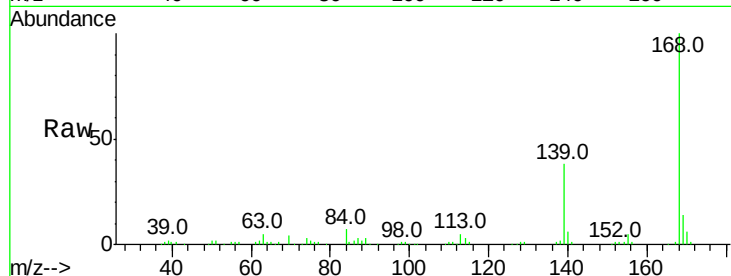
ClientSampleId :

NYSEG-PH4-SB-ESMI-7DL

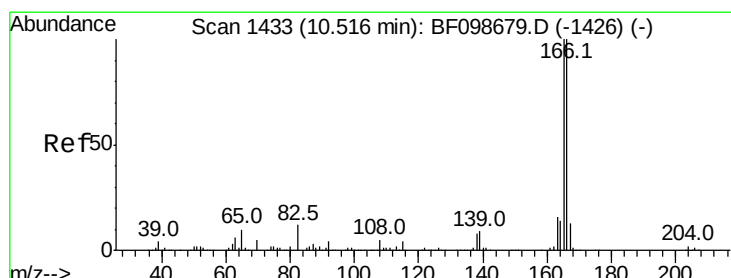
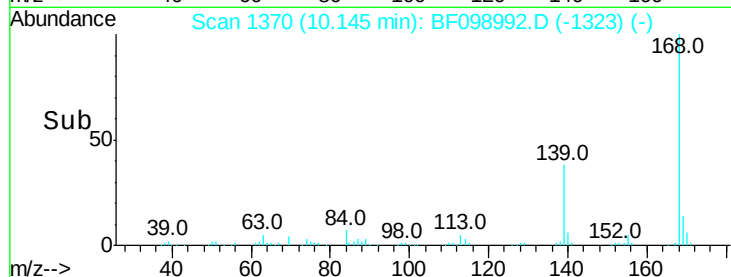
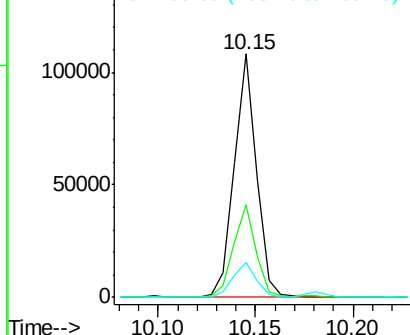
Tot Ion:	168	Resp:	85660
Ion Ratio	Lower	Upper	
168	100		
139	38.1	30.1	45.1
169	14.2	10.9	16.3

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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: 7.284 ng

RT: 10.49 min Scan# 1428

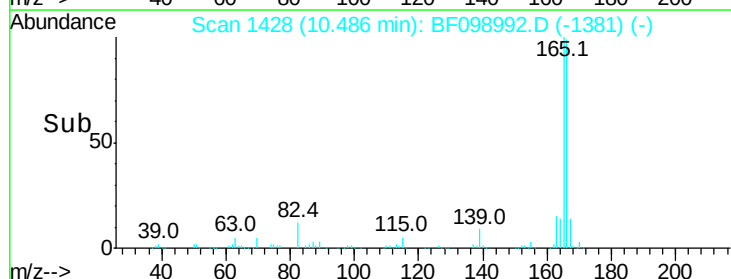
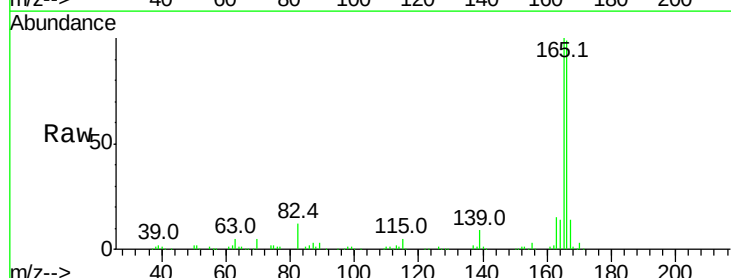
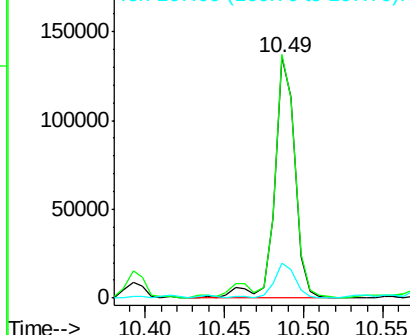
Delta R.T. -0.02 min

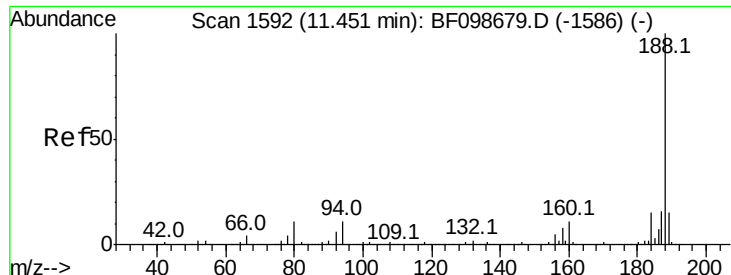
Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Tgt Ion:	166	Resp:	122295
Ion Ratio	Lower	Upper	
166	100		
165	101.1	79.8	119.8
167	14.6	10.6	16.0

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





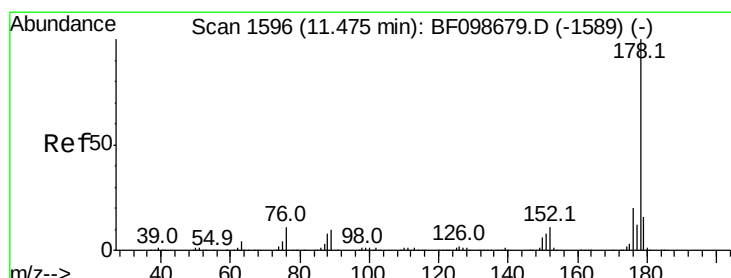
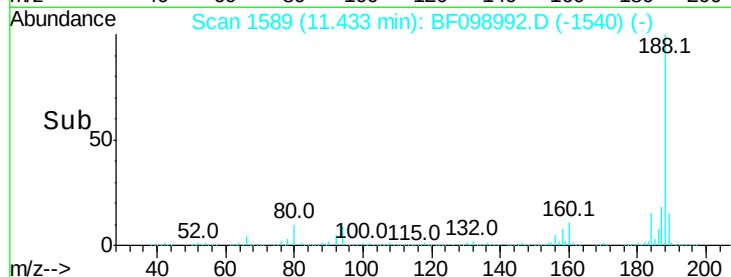
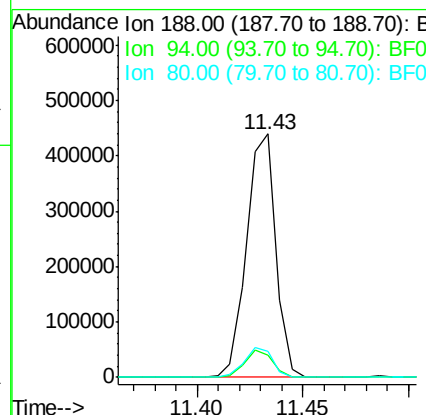
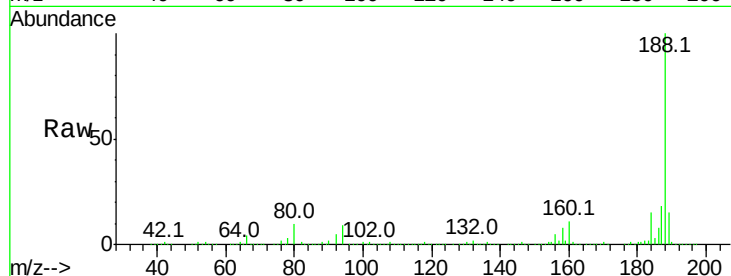
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	419811		
94	9.3		8.5	12.7
80	10.5		9.2	13.8

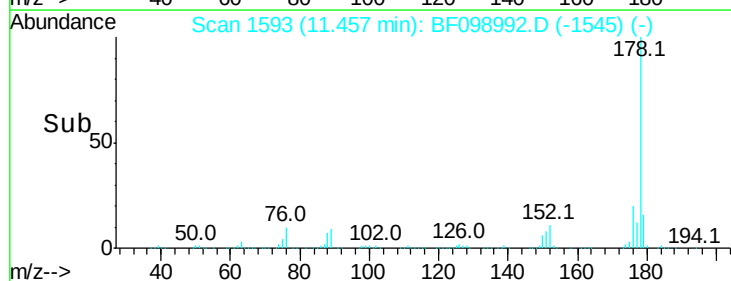
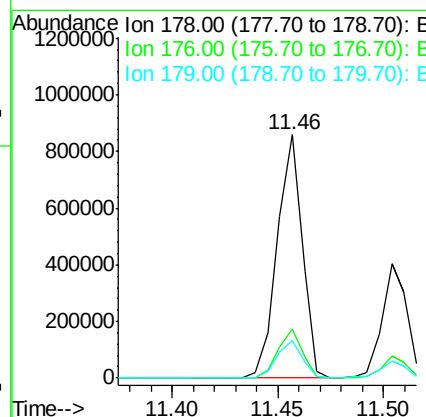
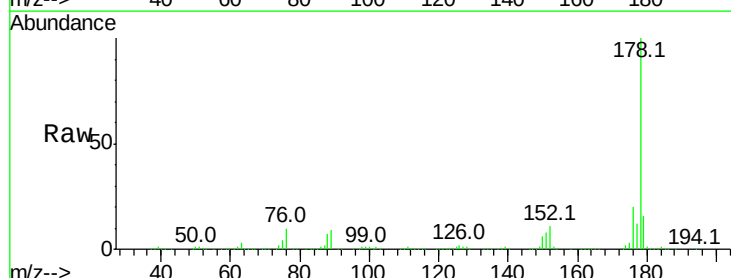
Manual Integrations
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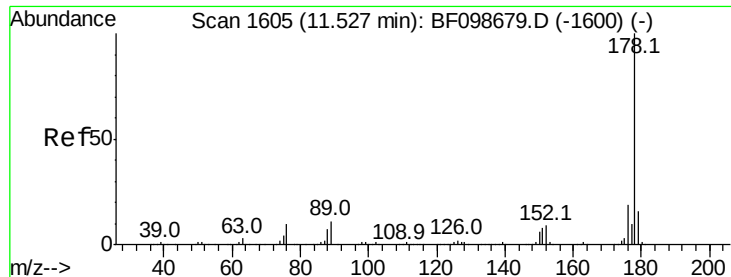
Sohil
10/2/2017 5:49:13 PM



#70
Phenanthrene
Concen: 31.696 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	712246		
176	20.0		15.8	23.8
179	15.7		13.0	19.6





#71

Anthracene

Concen: 14.223 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Instrument :

BNA_F

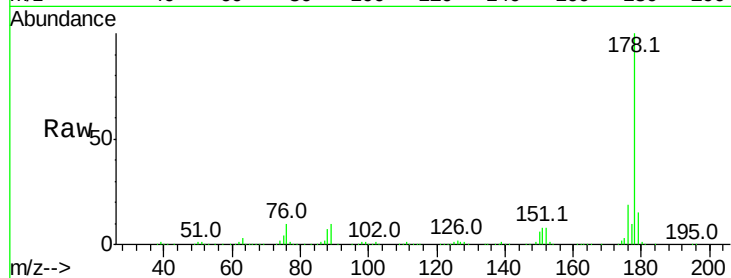
ClientSampleId :

NYSEG-PH4-SB-ESMI-7DL

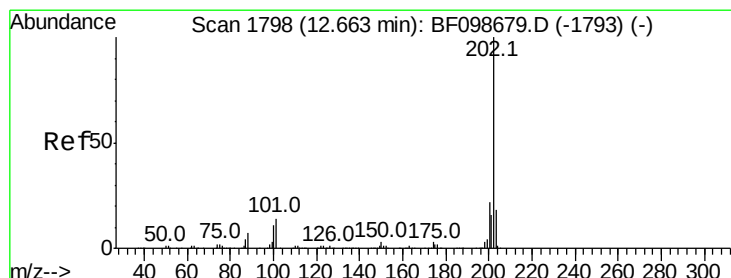
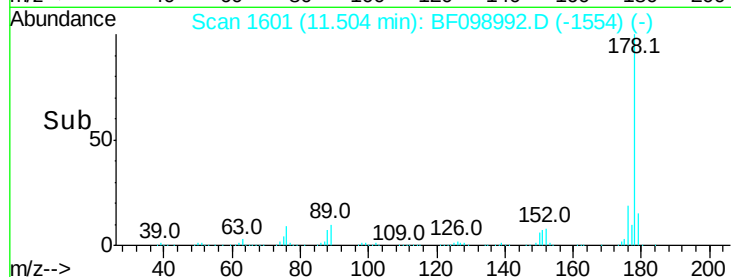
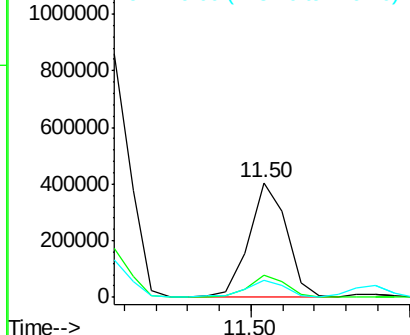
Tot Ion:	178	Resp:	327018
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.4	23.2
179	15.2	12.6	19.0

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



#74

Fluoranthene

Concen: 31.161 ng

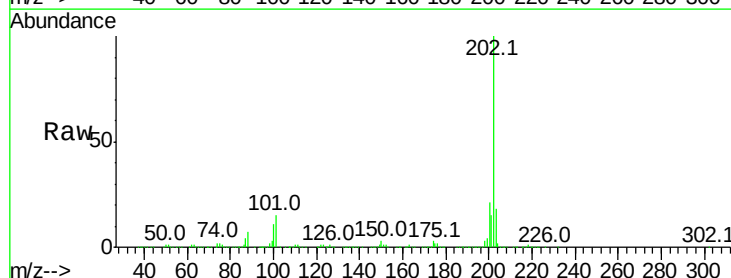
RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

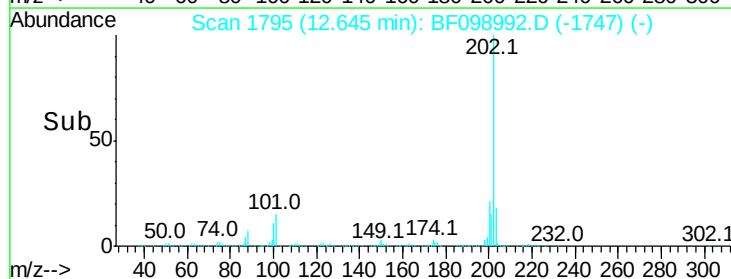
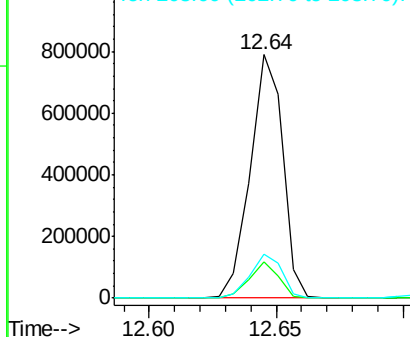
Lab File: BF098992.D

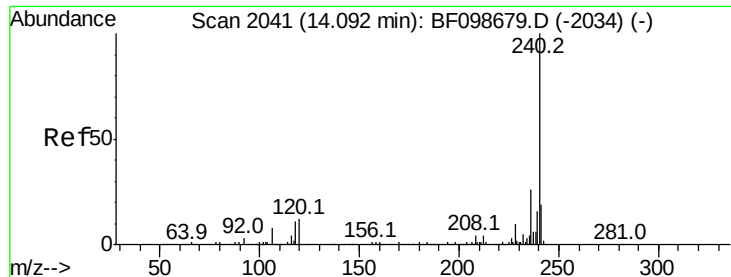
Acq: 1 Oct 2017 15:16

Tgt Ion:	202	Resp:	709055
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	34.1
203	17.9	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Instrument :

BNA_F

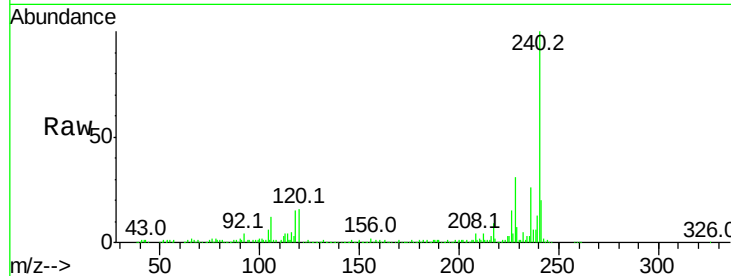
ClientSampleId :

NYSEG-PH4-SB-ESMI-7DL

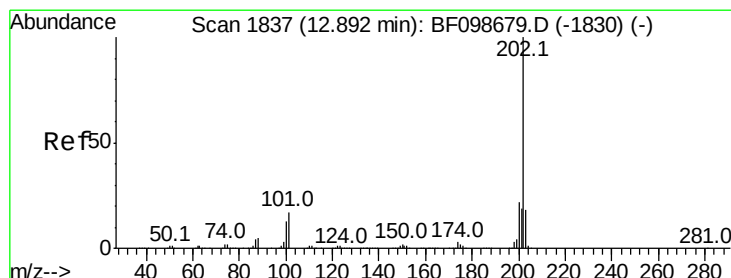
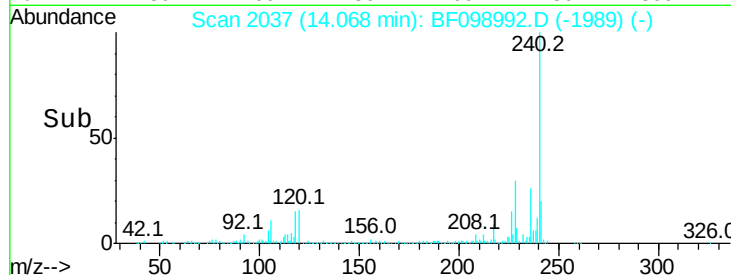
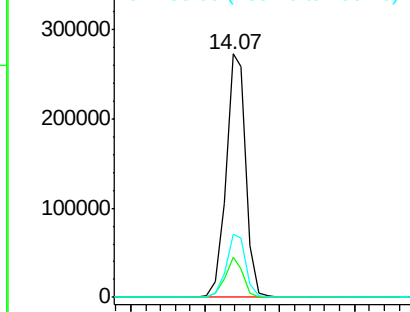
Tot Ion:	240	Resp:	256895
Ion Ratio	Lower	Upper	
240	100		
120	16.3	9.5	14.3#
236	26.2	20.7	31.1

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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: 30.812 ng

RT: 12.87 min Scan# 1834

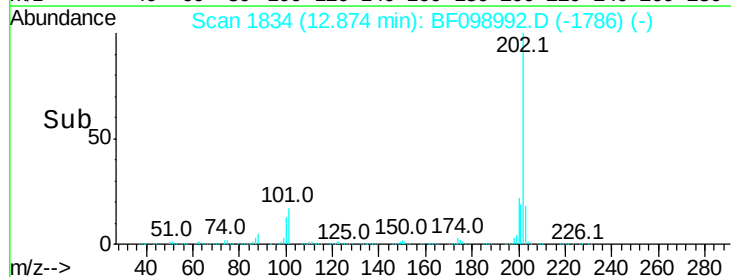
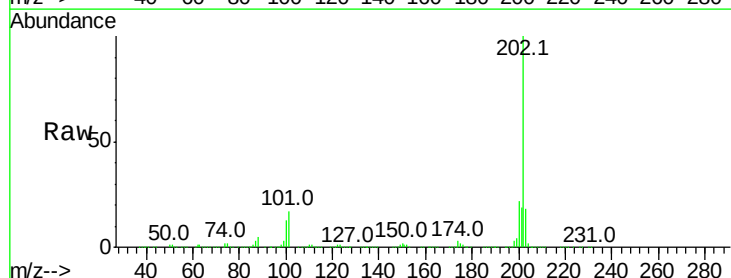
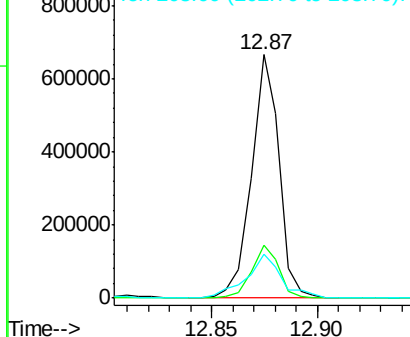
Delta R.T. -0.02 min

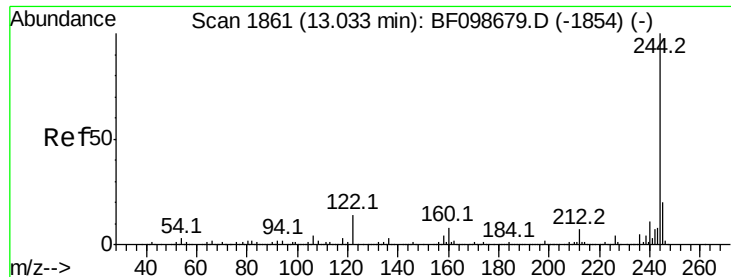
Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Tgt Ion:	202	Resp:	603585
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.0	14.3	21.5

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: 1.792 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Instrument :

BNA_F

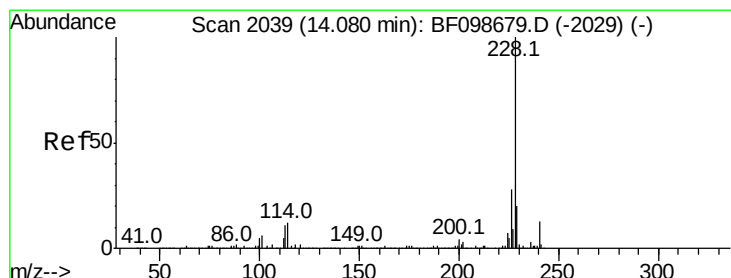
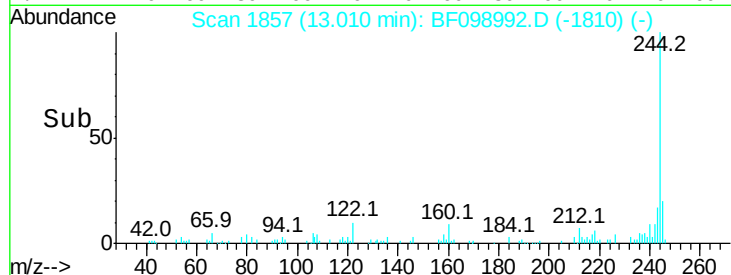
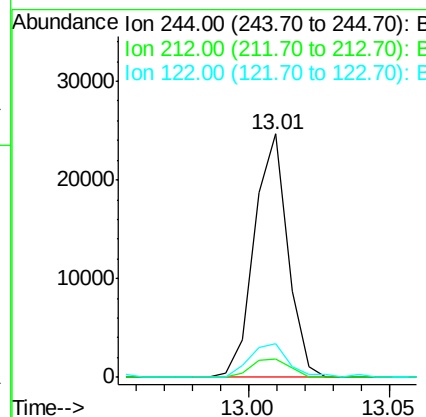
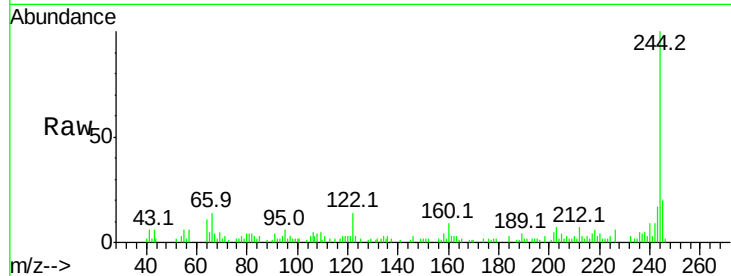
ClientSampleId :

NYSEG-PH4-SB-ESMI-7DL

Tot Ion:	244	Resp:	20243
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	13.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 13.778 ng m

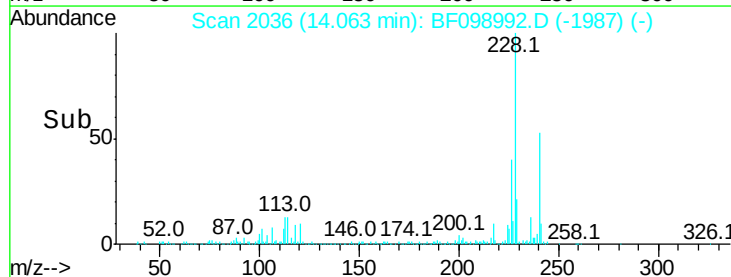
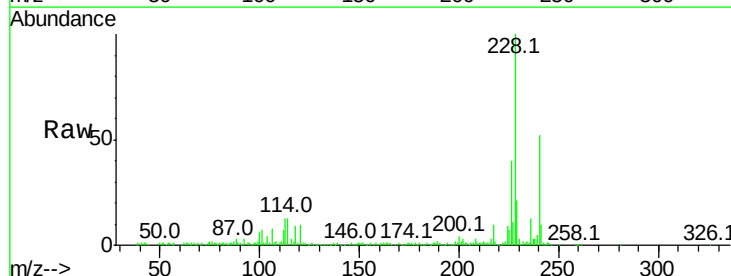
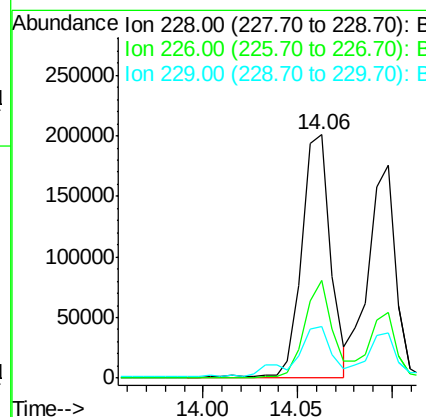
RT: 14.06 min Scan# 2036

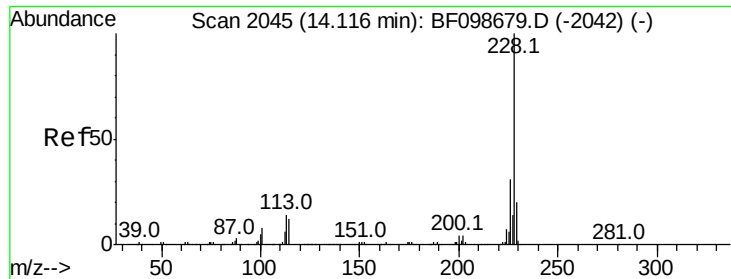
Delta R.T. -0.01 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Tgt Ion:	228	Resp:	214320
Ion Ratio	Lower	Upper	
228	100		
226	39.9	22.6	33.8#
229	21.4	15.8	23.6





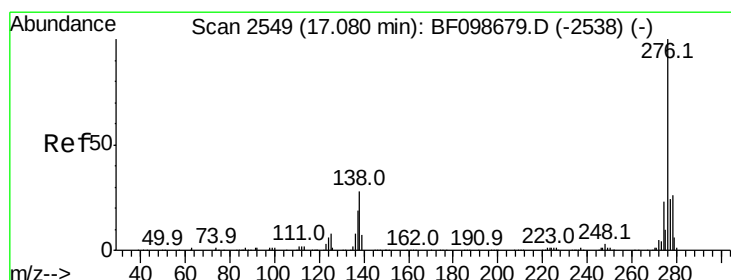
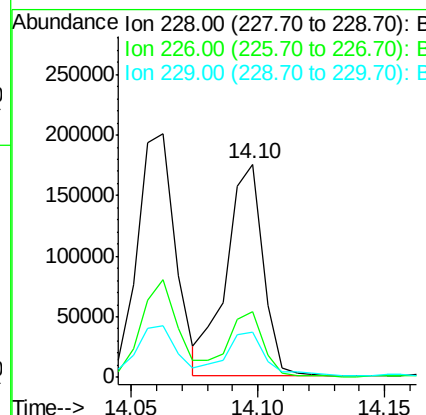
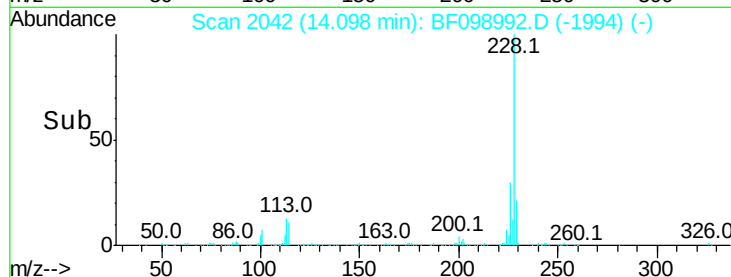
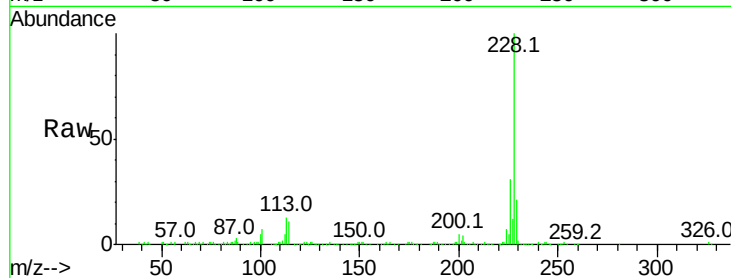
#82
Chrysene
Concen: 11.970 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

Tot Ion:	228	Resp:	177267
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	21.4	16.2	24.4

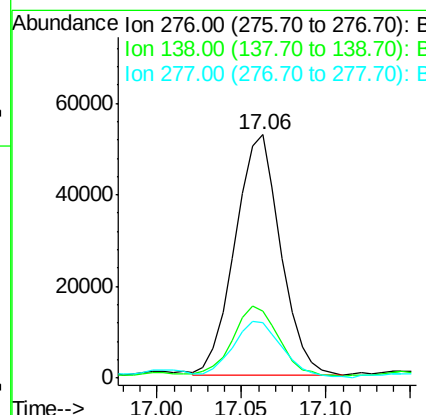
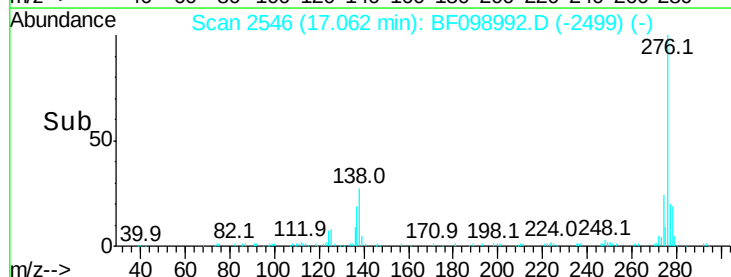
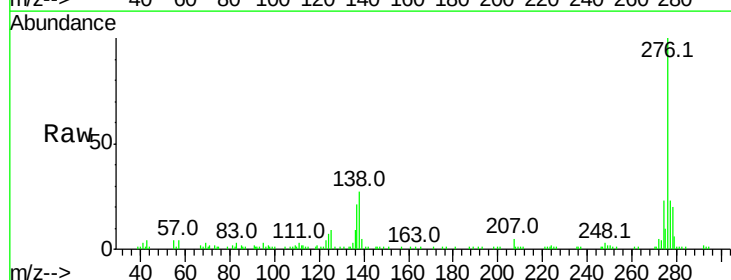
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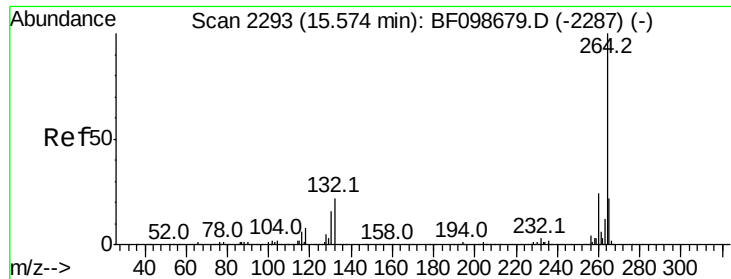
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.281 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Tgt Ion:	276	Resp:	98100
Ion Ratio	Lower	Upper	
276	100		
138	29.2	25.0	37.6
277	26.4	20.1	30.1





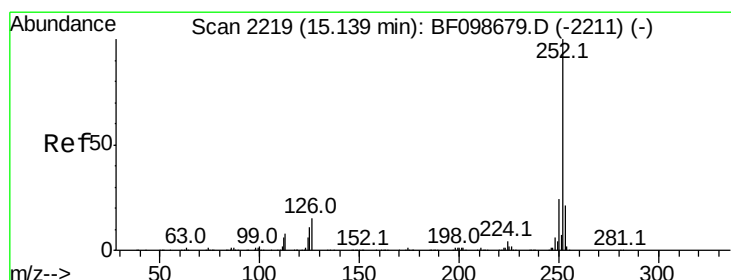
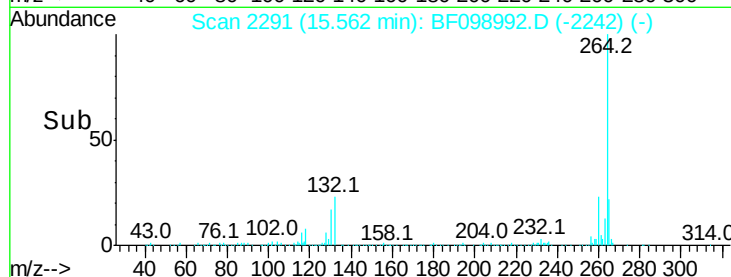
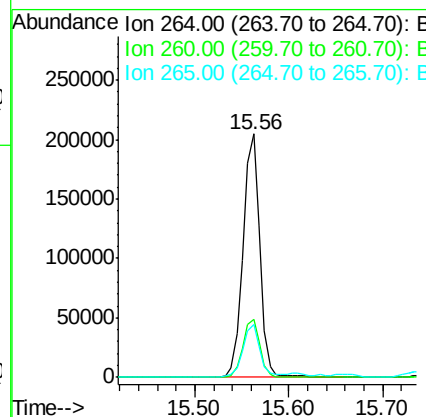
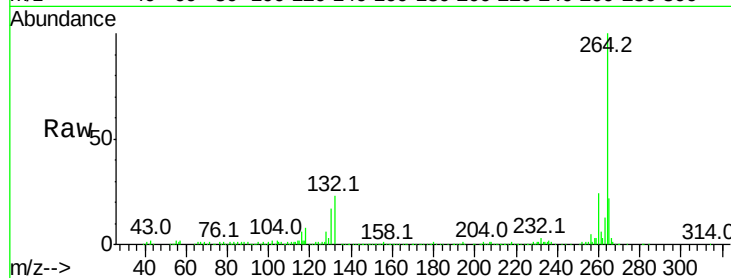
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.5	17.5	26.3

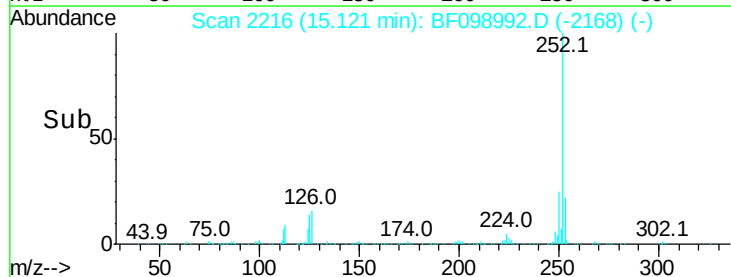
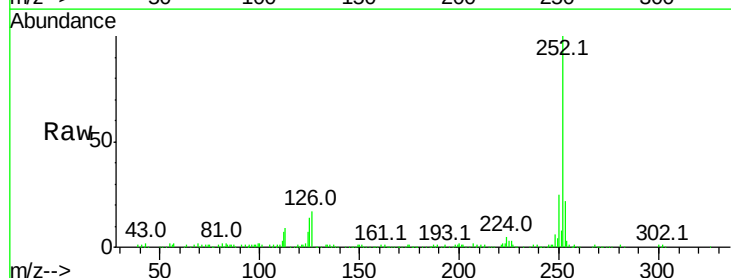
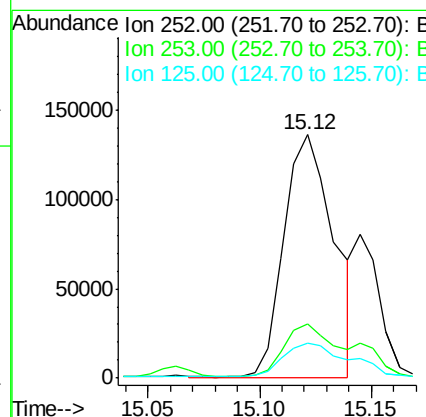
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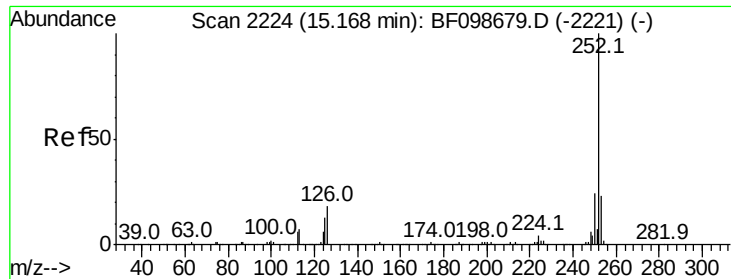
Sohil
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#87
Benzo(b)fluoranthene
Concen: 13.536 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	14.3	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 4.244 ng

RT: 15.14 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

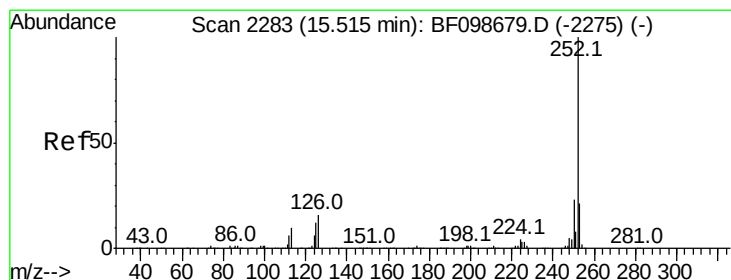
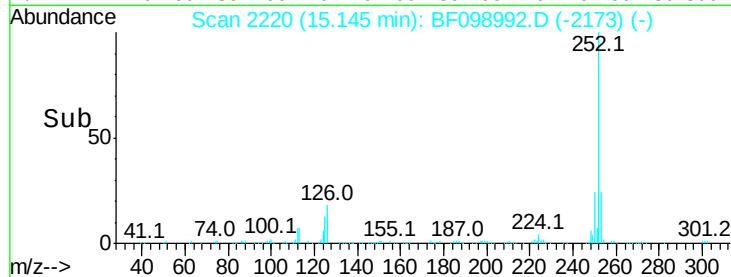
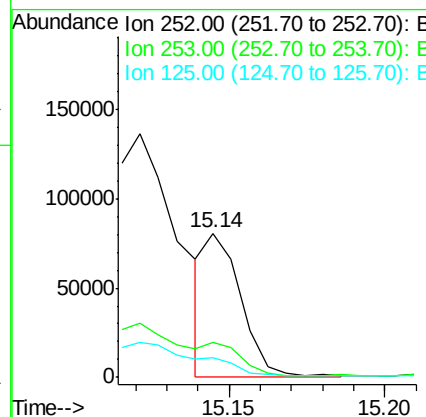
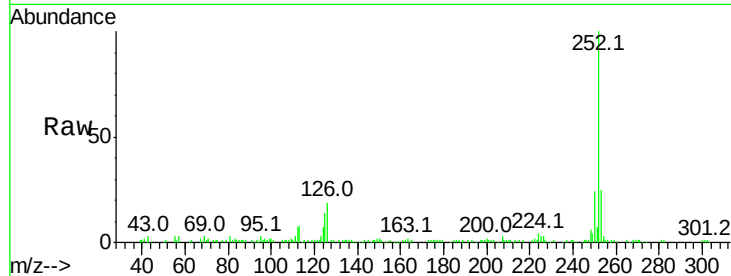
Instrument :
BNA_F

ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	13.8	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 12.213 ng

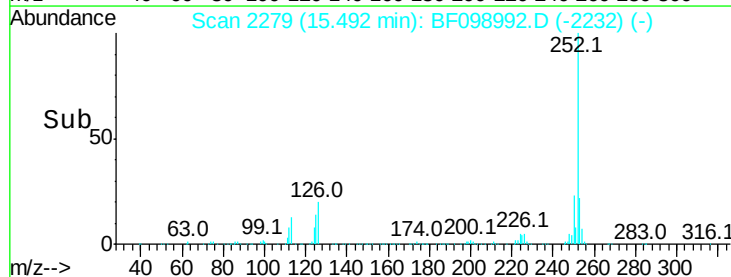
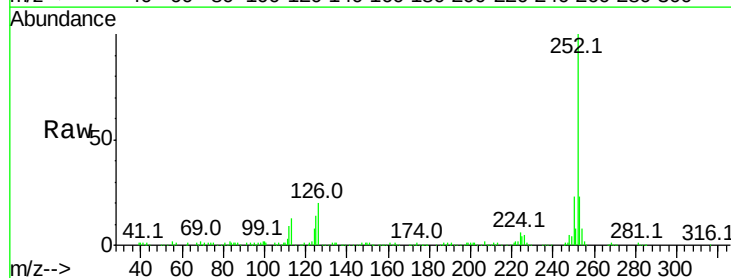
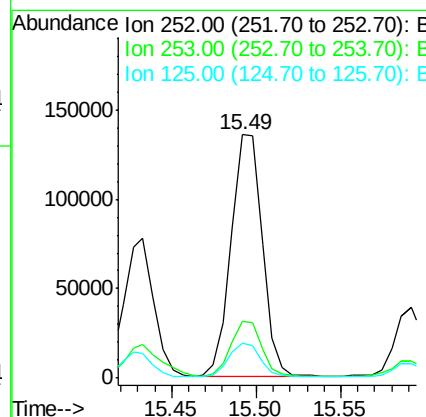
RT: 15.49 min Scan# 2279

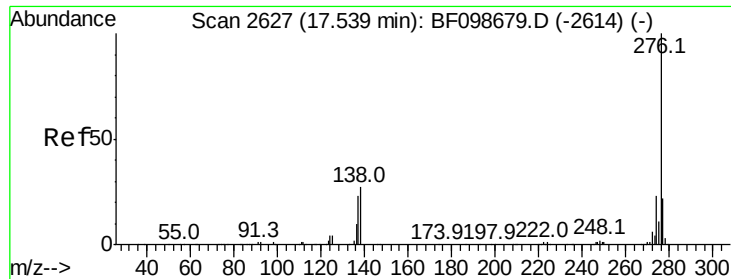
Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	14.4	9.8	14.6





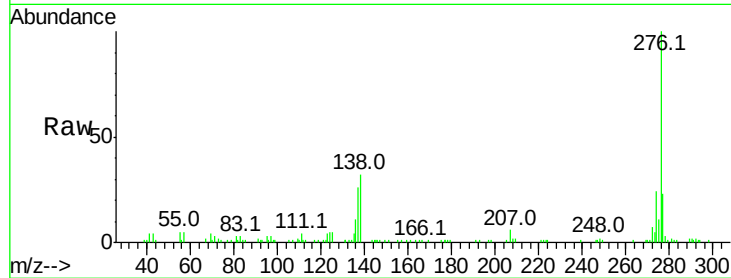
#91
 Benzo(a,h,i)perylene
 Concen: 8.271 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. -0.03 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	31.9	21.8	32.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

