

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098969.D
 Acq On : 30 Sep 2017 18:15
 Operator : SJ/JU
 Sample : I5563-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-6

Manual Integrations
 APPROVED

Sohil
 10/2/2017 5:44:27 PM

Quant Time: Oct 01 01:00:28 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	6.92	152	174521	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	693735	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	274062	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	387668	20.00	ng	0.00
75) Chrysene-d12	14.09	240	316915	20.00	ng	0.00
86) Perylene-d12	15.59	264	264278	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	1073680	97.94	ng	0.00
7) Phenol-d6	6.55	99	1299885	96.12	ng	0.00
23) Nitrobenzene-d5	7.48	82	782341	72.32	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	169768	75.70	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1273736	77.59	ng	0.00
78) Terphenyl-d14	13.03	244	759241	54.48	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.56	94	31725	2.098	ng	97
31) Naphthalene	8.22	128	81415	2.499	ng	99
49) Dimethylphthalate	9.66	163	224485	10.853	ng	100
57) Fluorene	10.50	166	41681	2.271	ng	94
70) Phenanthrene	11.47	178	452347	21.799	ng	98
71) Anthracene	11.52	178	114681	5.401	ng	98
72) Carbazole	11.67	167	54124	2.603	ng	98
74) Fluoranthene	12.66	202	708649	33.725	ng	97
77) Pyrene	12.89	202	616404	25.507	ng	99
80) Benzo(a)anthracene	14.07	228	300770	15.673	ng	96
82) Chrysene	14.11	228	289899	15.868	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	122021	8.349	ng	98
87) Benzo(b)fluoranthene	15.14	252	347197m	21.367	ng	
88) Benzo(k)fluoranthene	15.17	252	134268m	8.366	ng	
89) Benzo(a)pyrene	15.52	252	235945	15.819	ng	97
90) Dibenzo(a,h)anthracene	17.10	278	29062	2.435	ng	# 85
91) Benzo(a,h,i)perylene	17.56	276	116568	9.879	ng	92

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

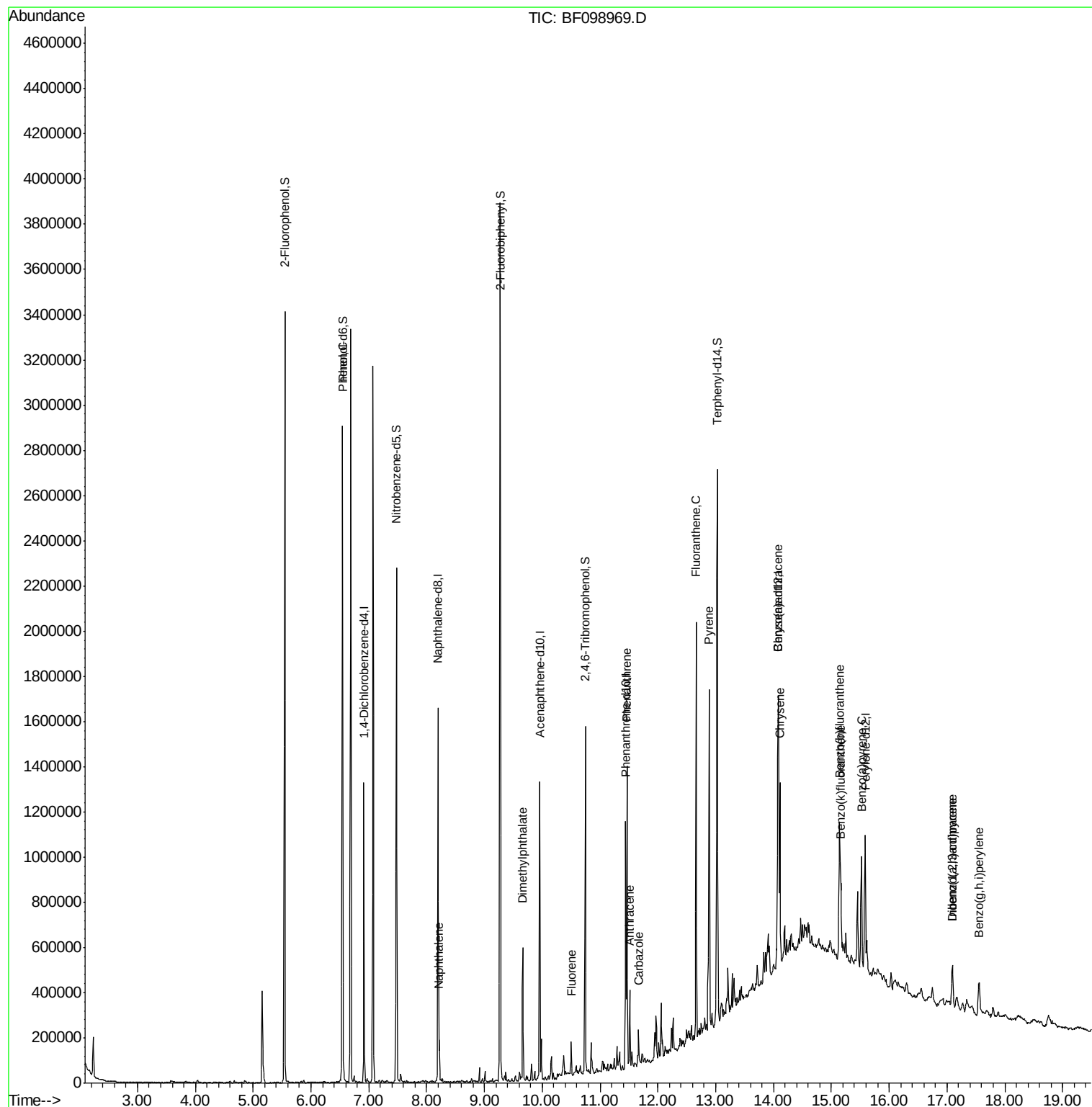
Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098969.D
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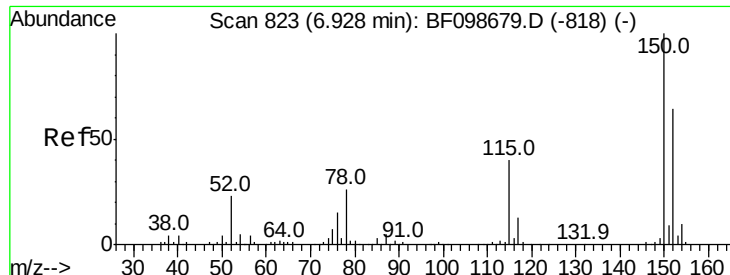
Instrument :
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NYSEG-PH4-SB-ESMI-6

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#1

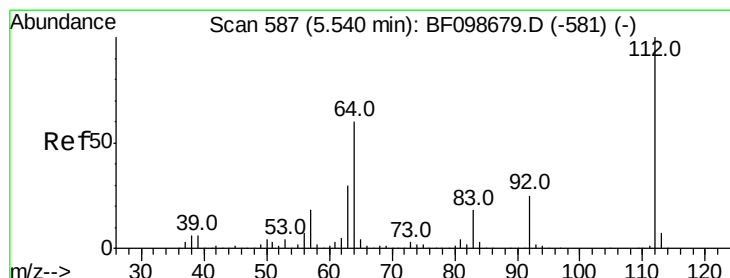
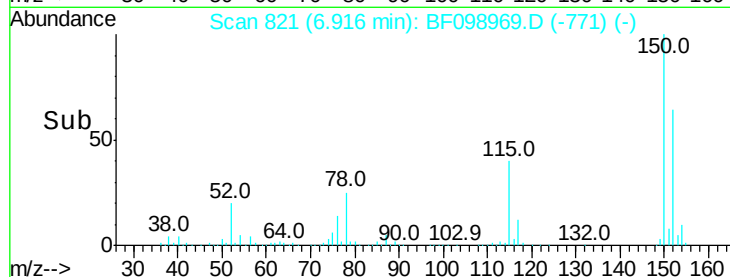
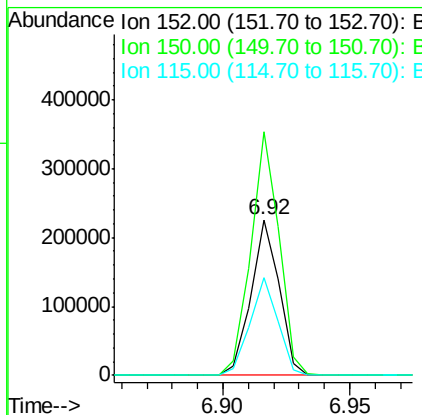
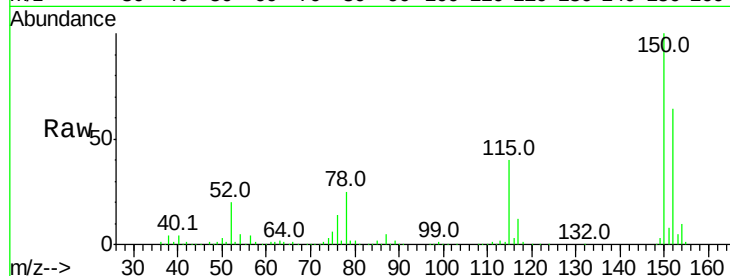
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	62.5	50.1	75.1

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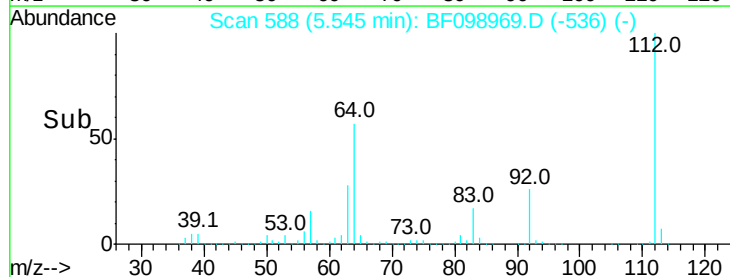
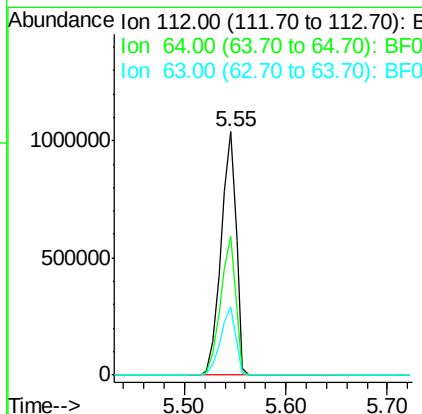
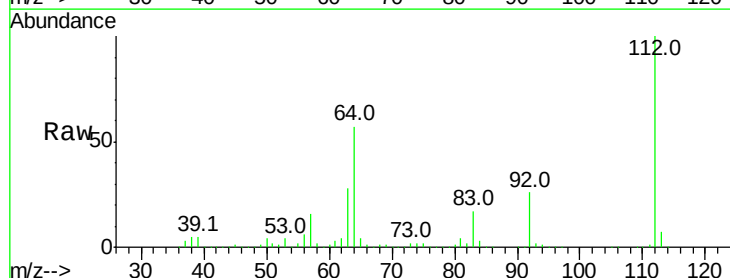
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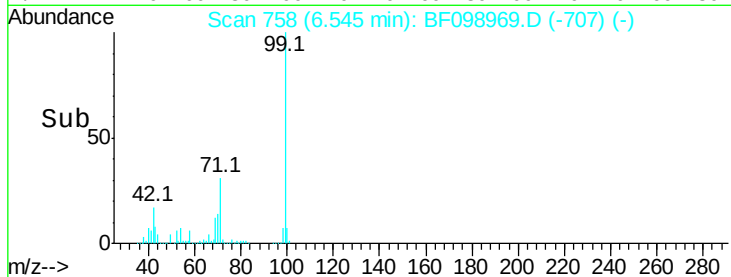
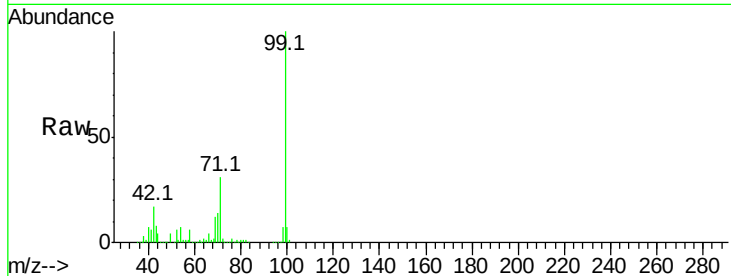
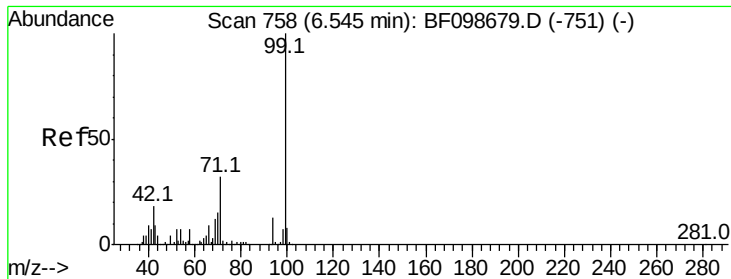


#5

2-Fluorophenol
Concen: 97.936 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 96.116 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098969.D

Acq: 30 Sep 2017 18:15

Tot Ion:	99	Resp:	1299885
Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.5	21.7
71	31.2	25.4	38.0

Instrument :

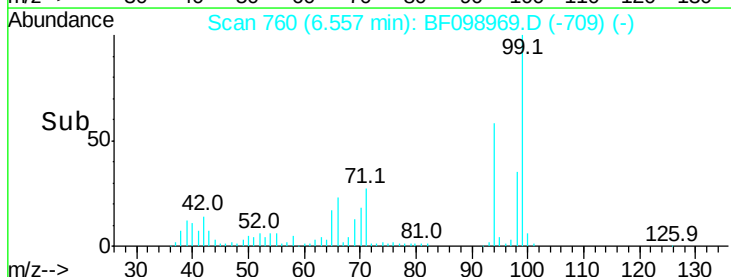
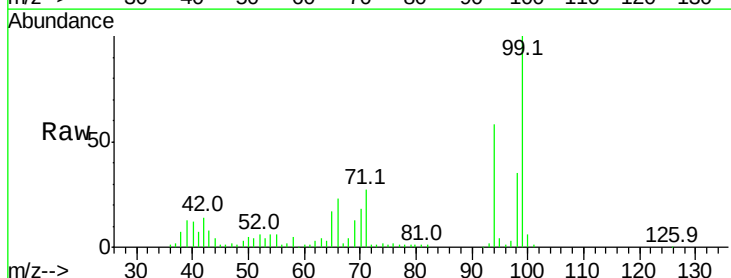
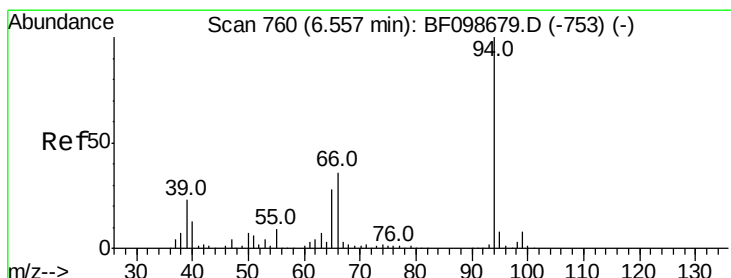
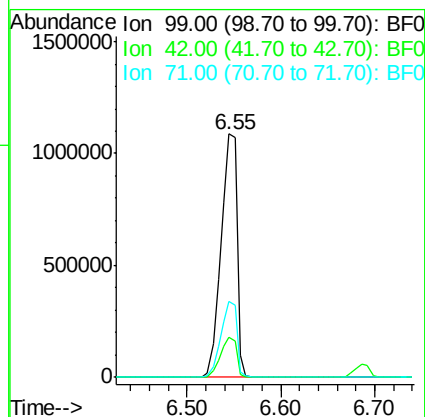
BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-6

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#10

Phenol

Concen: 2.098 ng

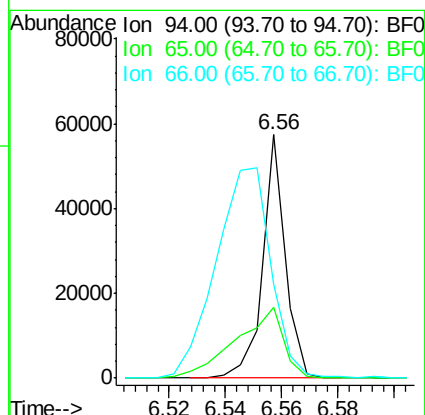
RT: 6.56 min Scan# 760

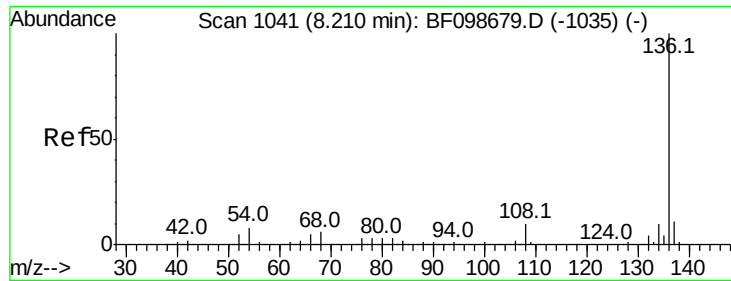
Delta R.T. -0.00 min

Lab File: BF098969.D

Acq: 30 Sep 2017 18:15

Tgt Ion:	94	Resp:	31725
Ion	Ratio	Lower	Upper
94	100		
65	29.1	7.9	47.9
66	38.7	16.2	56.2





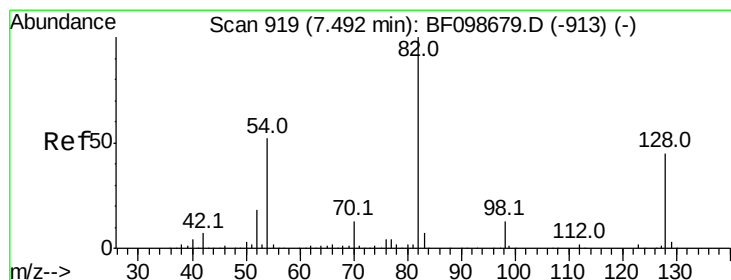
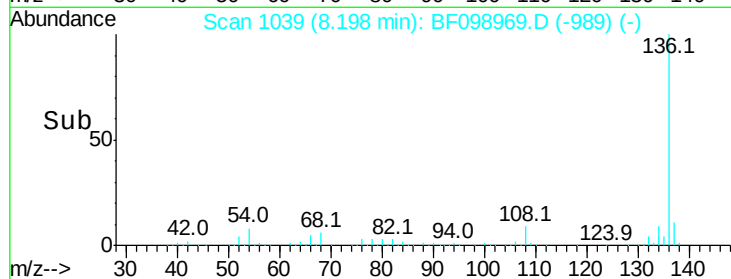
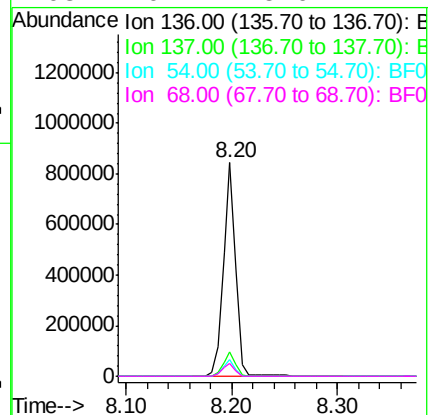
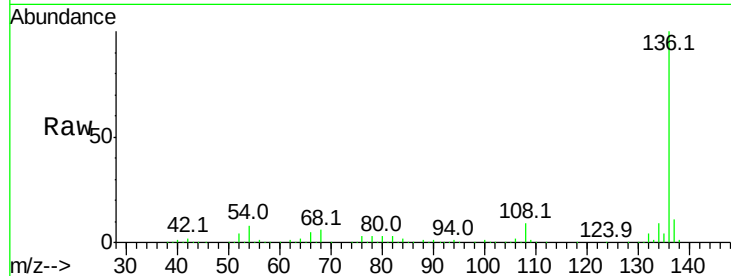
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-6

Tot Ion	Ratio	Resp	Lower	Upper
136	100	693735		
137	11.2		8.9	13.3
54	7.7		6.6	9.8
68	6.1		5.0	7.4

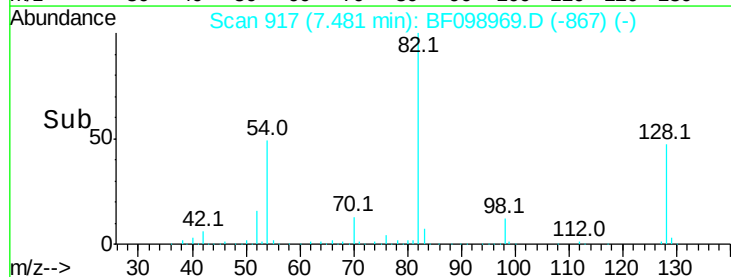
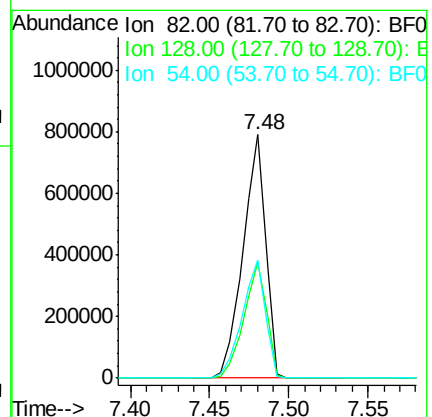
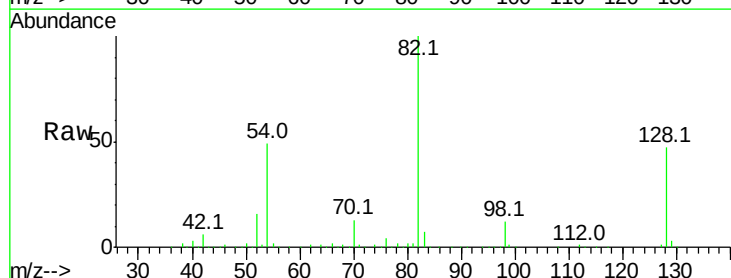
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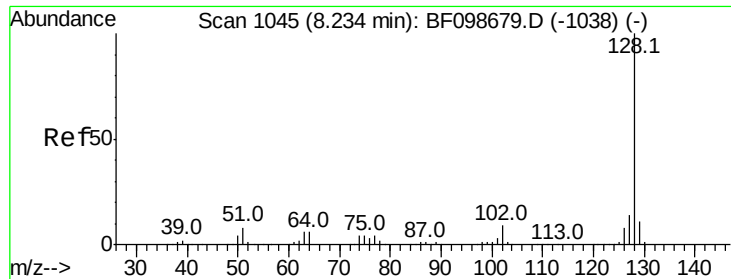
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#23
Nitrobenzene-d5
Concen: 72.321 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	782341		
128	47.4		36.1	54.1
54	48.7		41.4	62.2





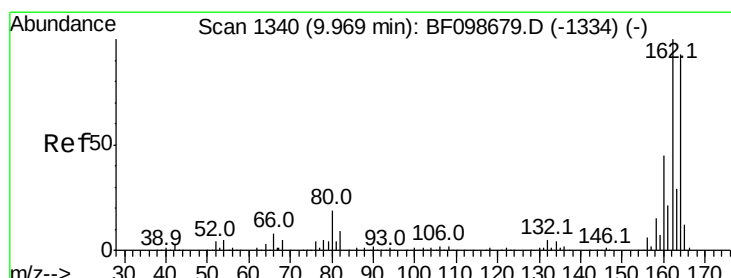
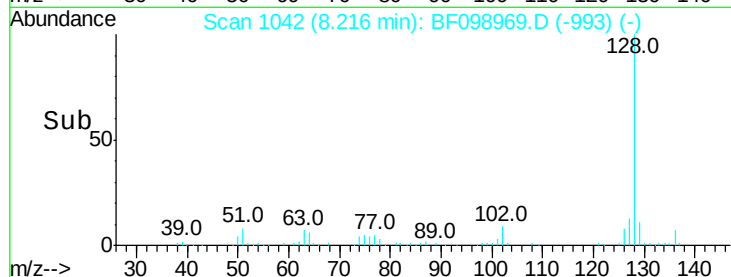
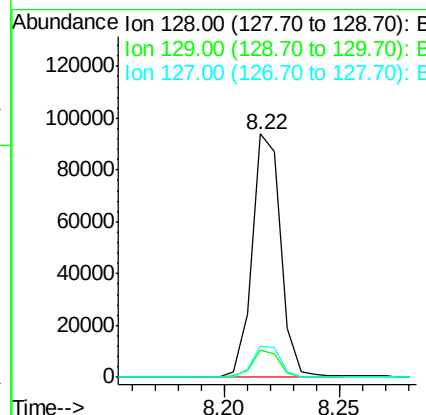
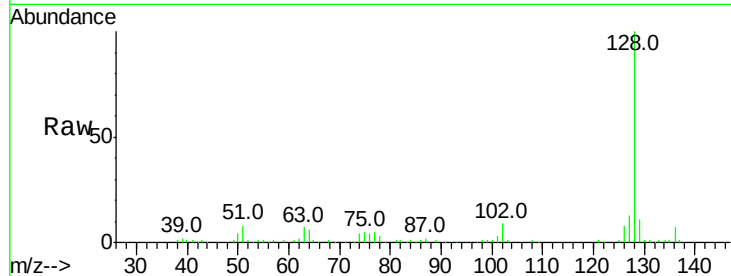
#31
Naphthalene
Concen: 2.499 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-6

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.8	10.9	16.3

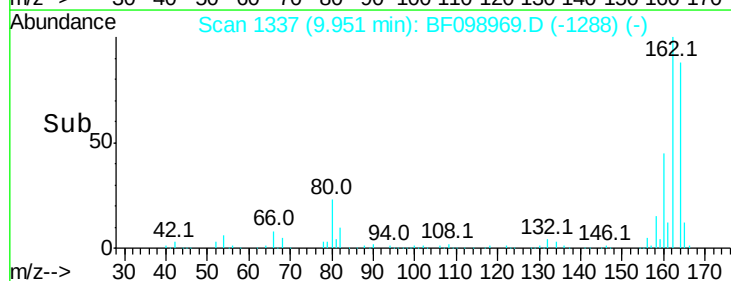
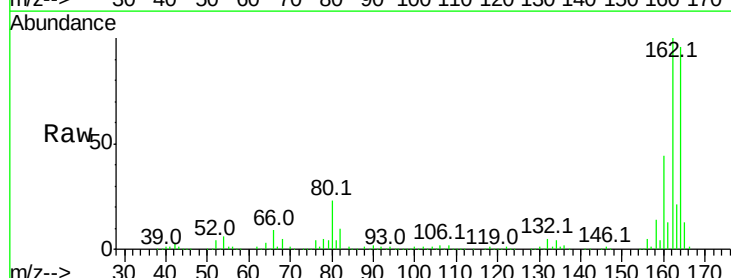
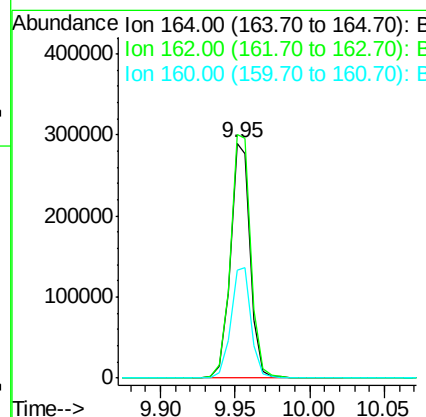
Manual Integrations
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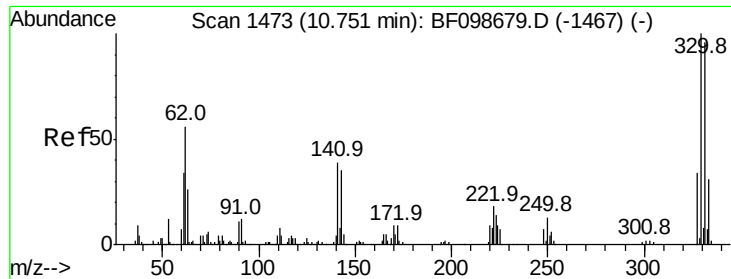
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	45.8	38.3	57.5





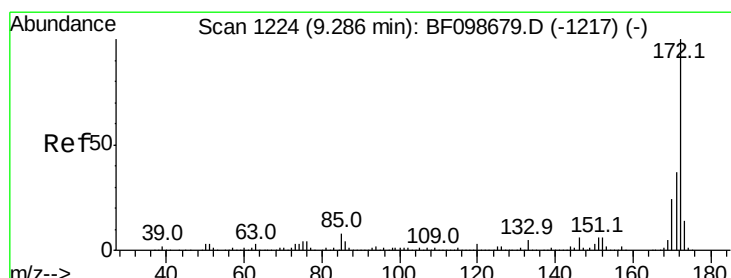
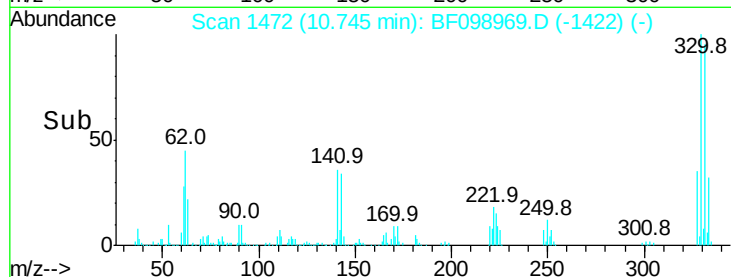
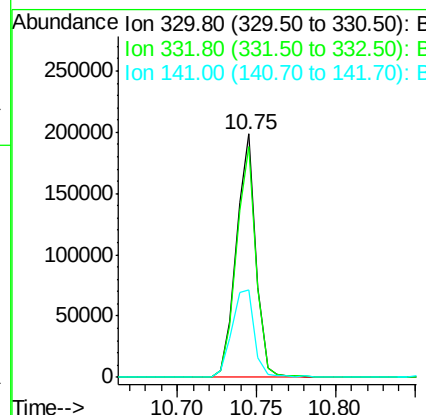
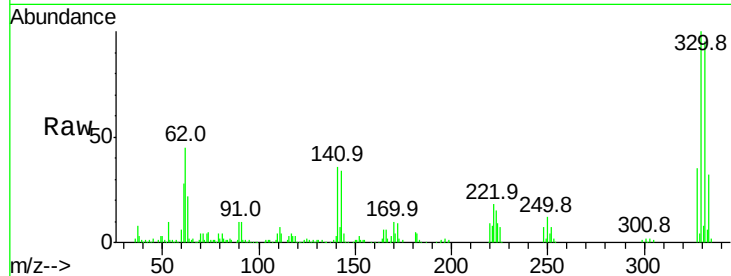
#41
 2,4,6-Tribromophenol
 Concen: 75.702 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098969.D
 Acq: 30 Sep 2017 18:15

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	169768		
332	95.7	77.0	115.6	
141	42.1	29.9	44.9	

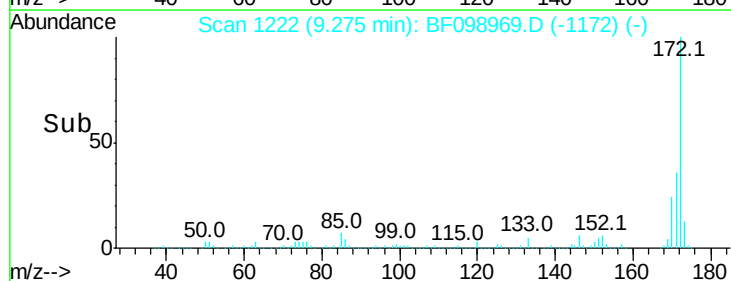
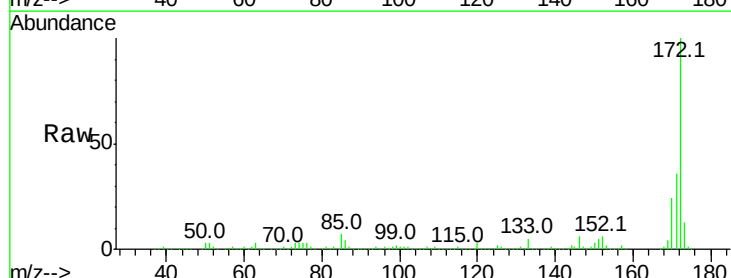
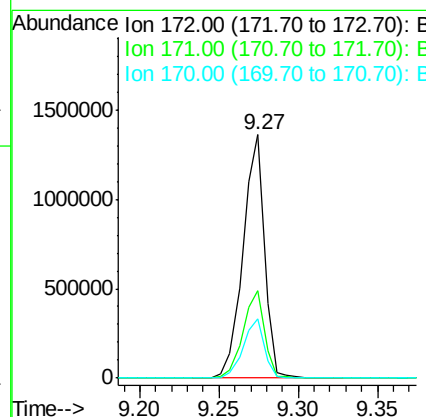
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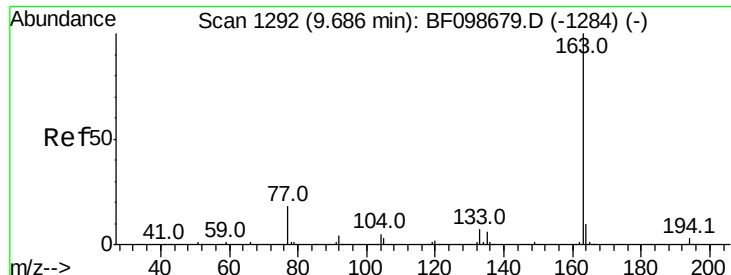
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#44
 2-Fluorobiphenyl
 Concen: 77.588 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098969.D
 Acq: 30 Sep 2017 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1273736		
171	36.2	29.7	44.5	
170	24.3	19.6	29.4	





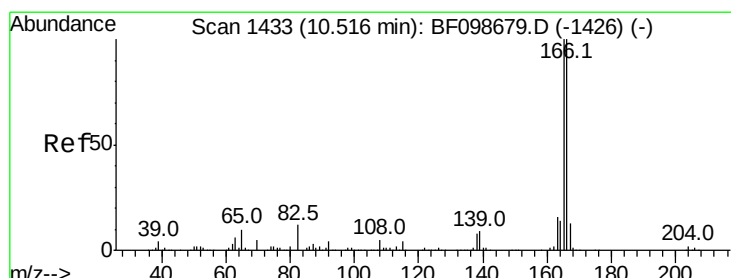
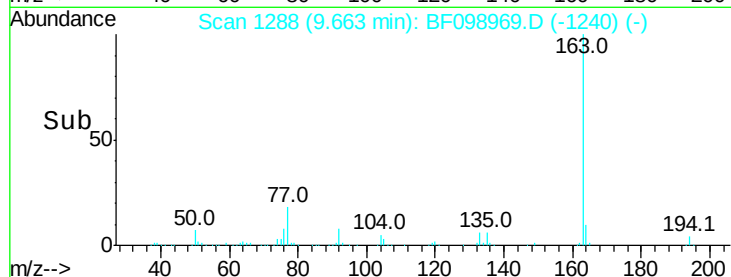
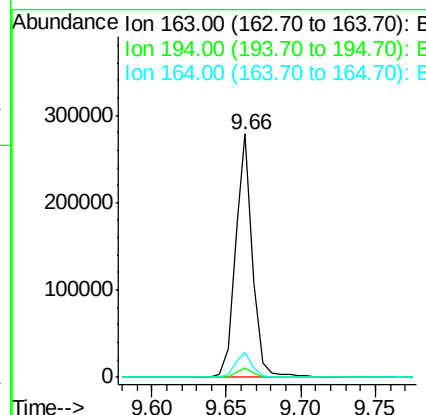
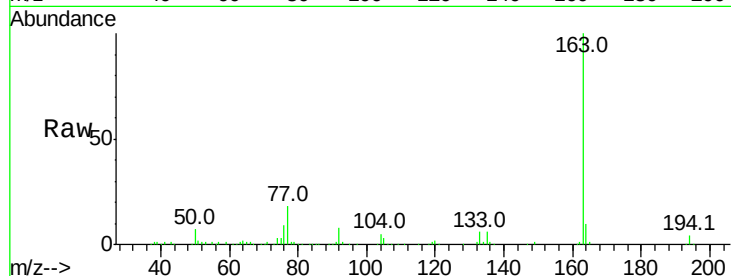
#49
Dimethylphthalate
Concen: 10.853 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-6

Tot Ion:	163	Resp:	224485
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2

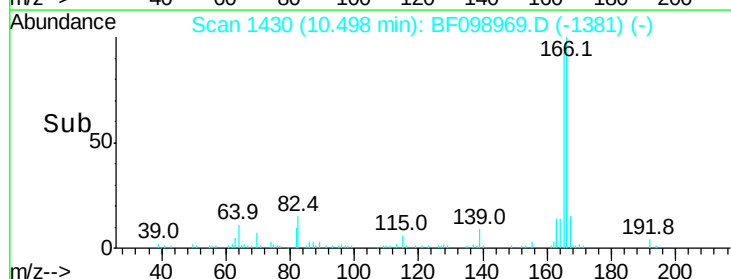
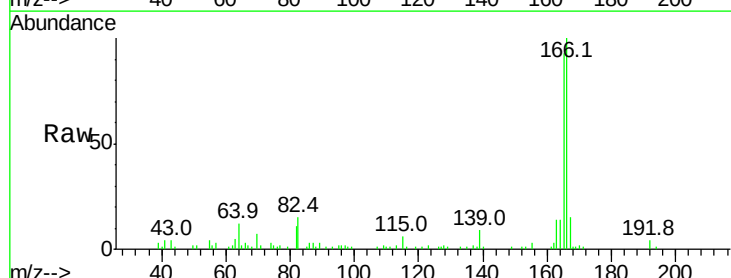
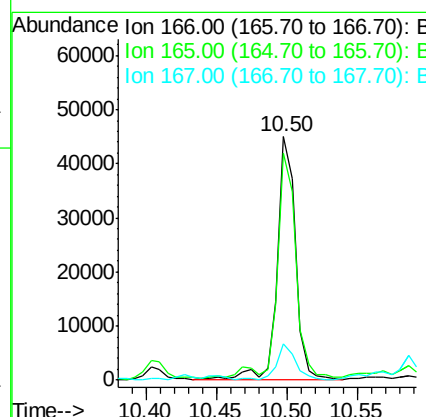
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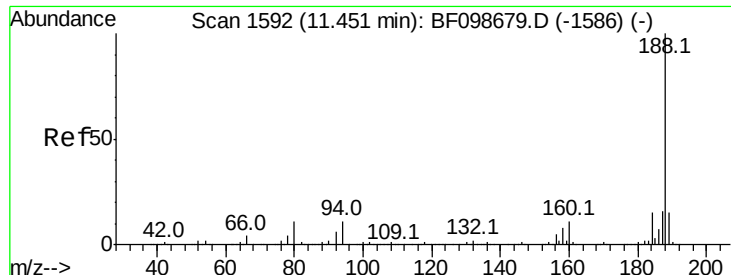
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#57
Fluorene
Concen: 2.271 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Tgt Ion:	166	Resp:	41681
Ion Ratio	Lower	Upper	
166	100		
165	93.3	79.8	119.8
167	15.1	10.6	16.0





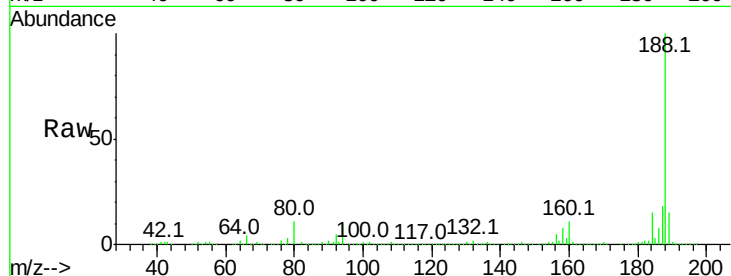
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-6

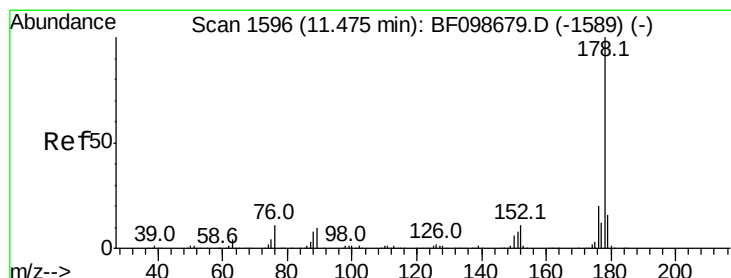
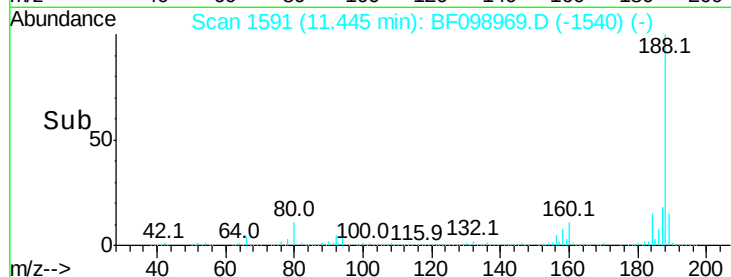
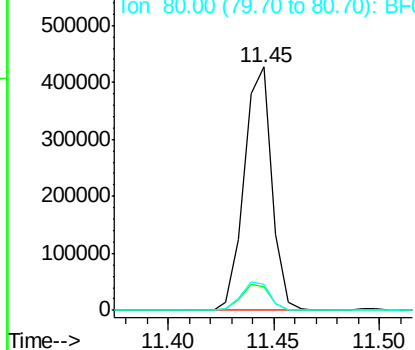
Tot Ion	Ratio	Resp	Lower	Upper
188	100	387668		
94	9.8		8.5	12.7
80	10.7		9.2	13.8

Manual Integrations
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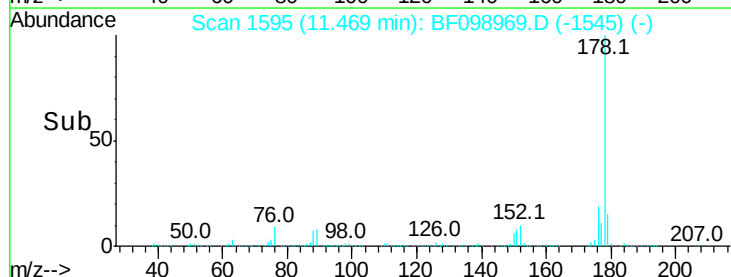
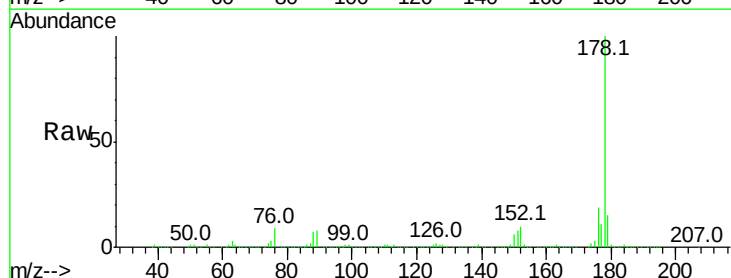
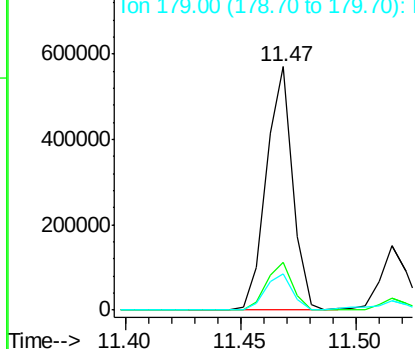
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

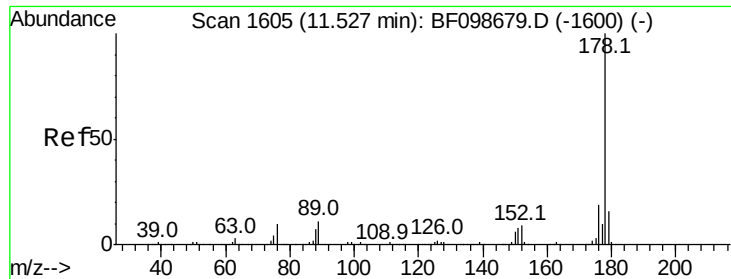


#70
Phenanthrene
Concen: 21.799 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	452347		
176	19.4		15.8	23.8
179	14.8		13.0	19.6

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





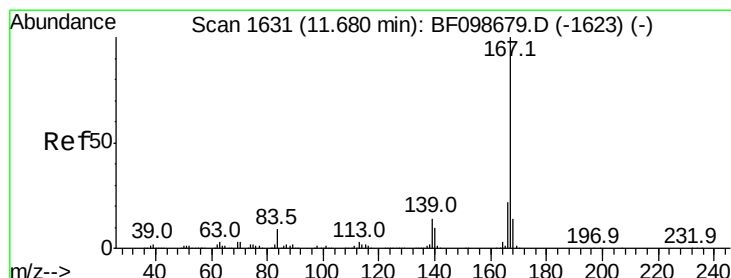
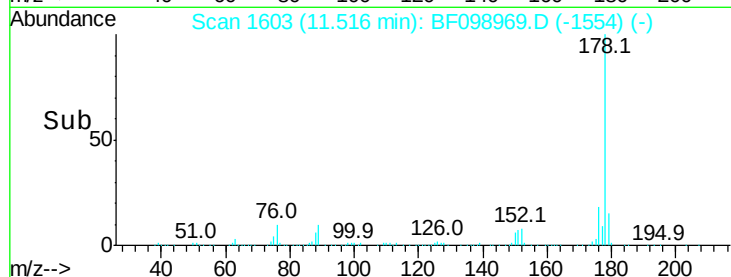
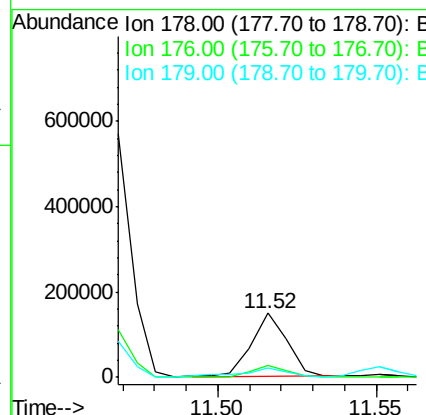
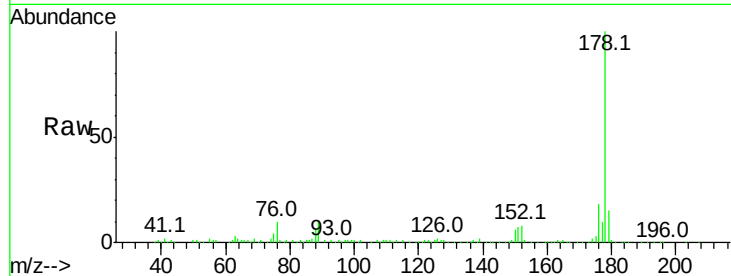
#71
 Anthracene
 Concen: 5.401 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF098969.D
 Acq: 30 Sep 2017 18:15

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.0	12.6	19.0

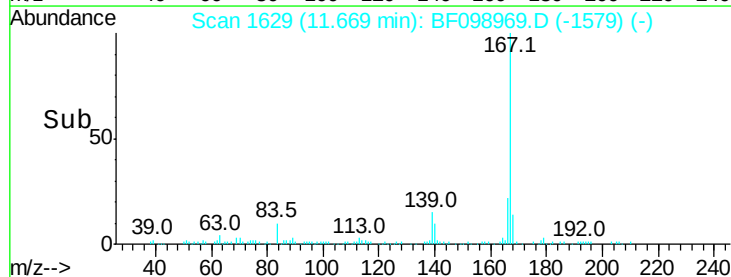
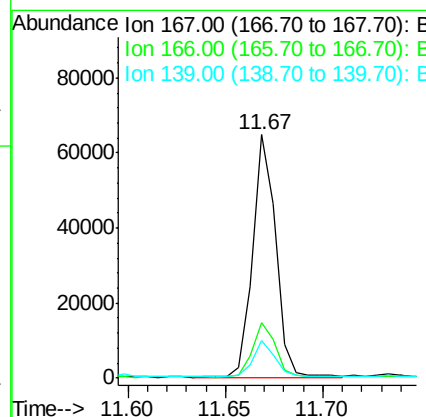
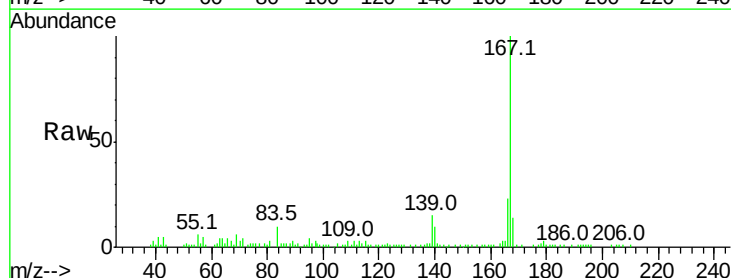
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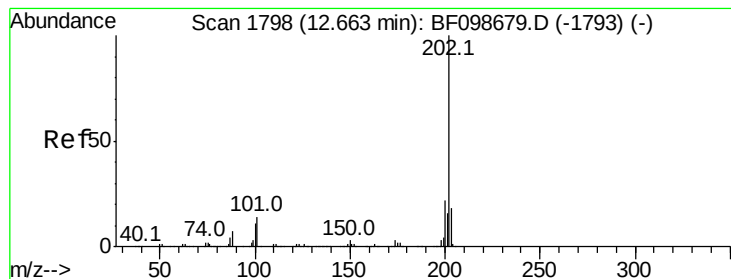
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#72
 Carbazole
 Concen: 2.603 ng
 RT: 11.67 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF098969.D
 Acq: 30 Sep 2017 18:15

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	15.3	10.9	16.3





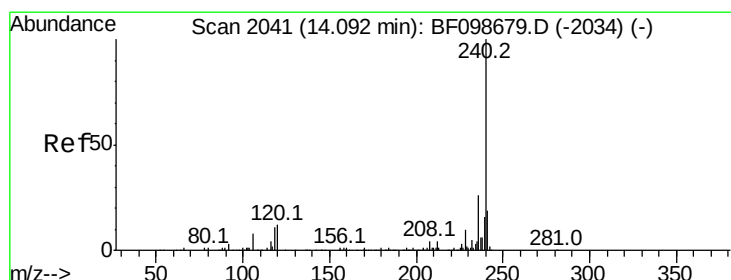
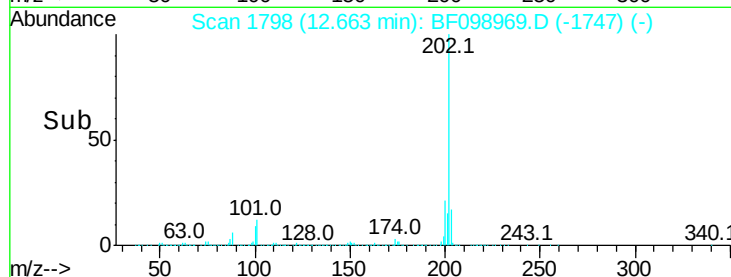
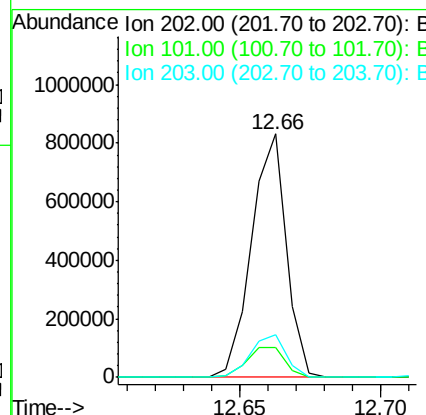
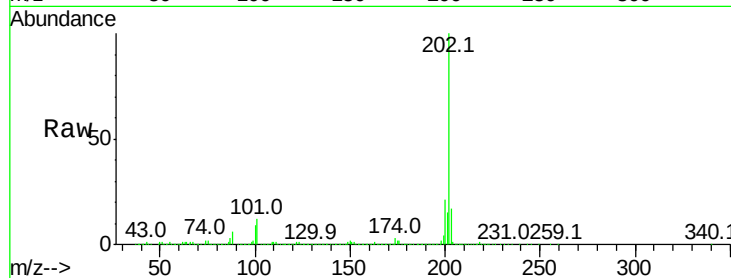
#74
 Fluoranthene
 Concen: 33.725 ng
 RT: 12.66 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: BF098969.D
 Acq: 30 Sep 2017 18:15

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.3	0.0	38.1

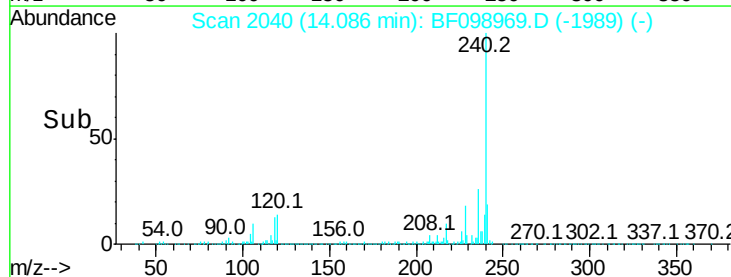
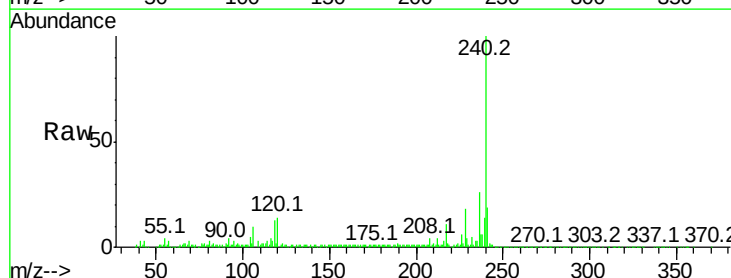
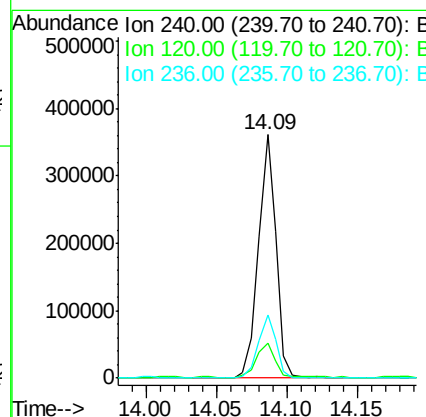
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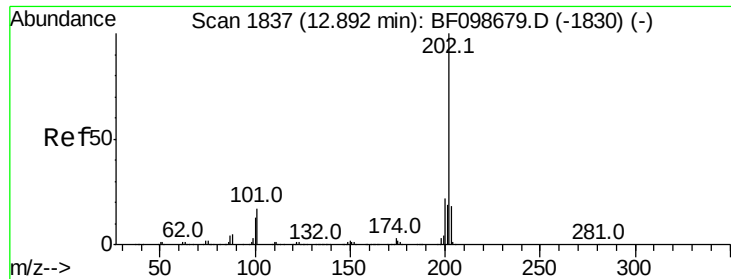
Sohil
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.00 min
 Lab File: BF098969.D
 Acq: 30 Sep 2017 18:15

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.3	9.5	14.3#
236	25.9	20.7	31.1





#77

Pvrene

Concen: 25.507 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098969.D

Acq: 30 Sep 2017 18:15

Instrument :

BNA_F

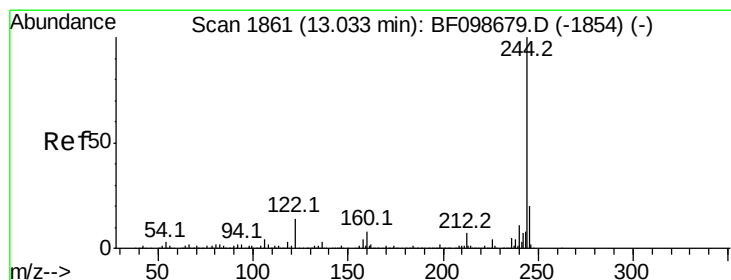
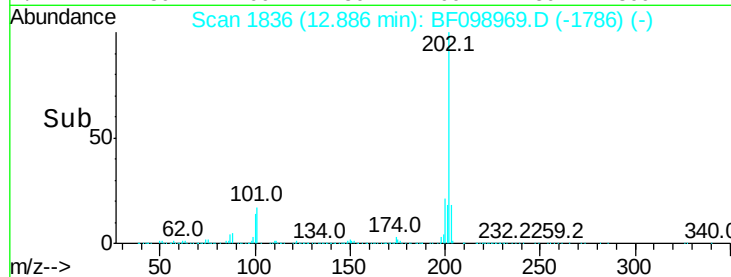
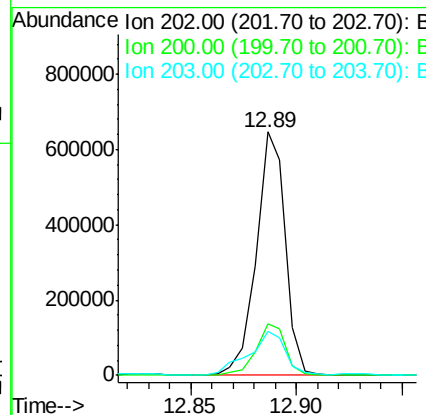
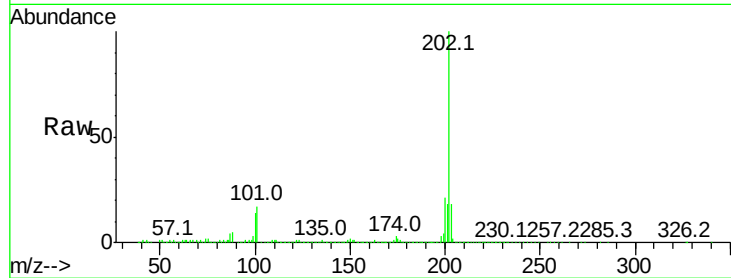
ClientSampleId :

NYSEG-PH4-SB-ESMI-6

Tot Ion:	202	Resp:	616404
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 54.484 ng

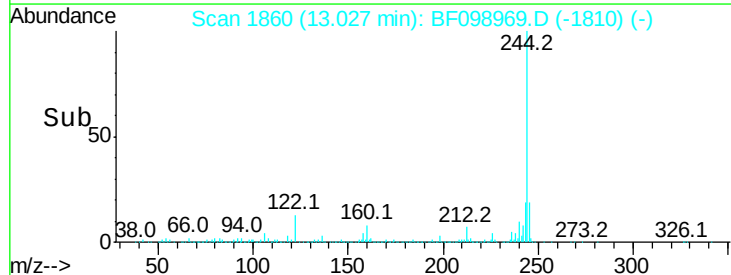
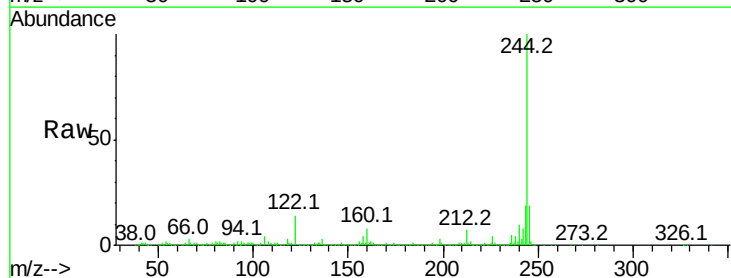
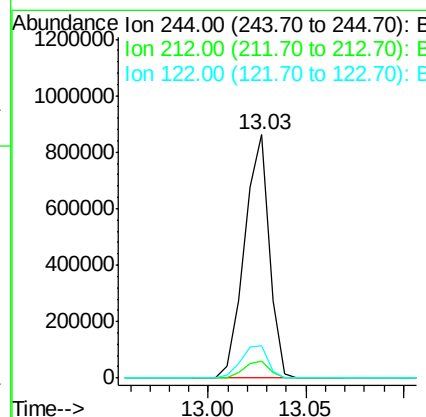
RT: 13.03 min Scan# 1860

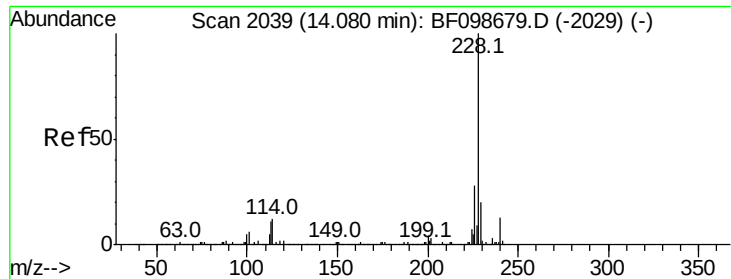
Delta R.T. -0.01 min

Lab File: BF098969.D

Acq: 30 Sep 2017 18:15

Tgt Ion:	244	Resp:	759241
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	13.5	11.0	16.4





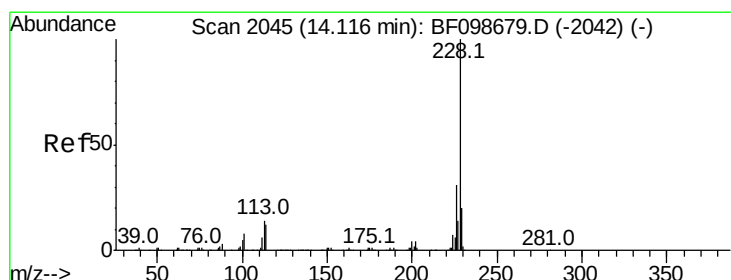
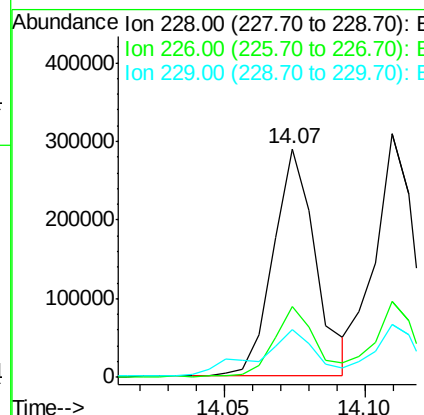
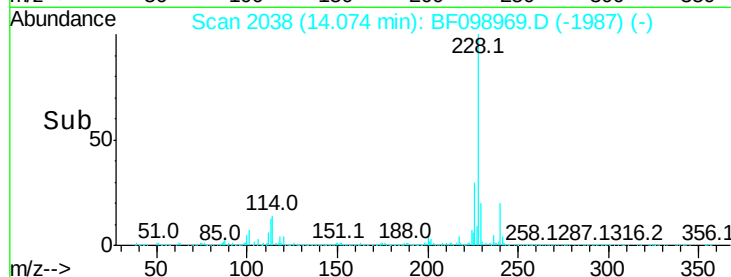
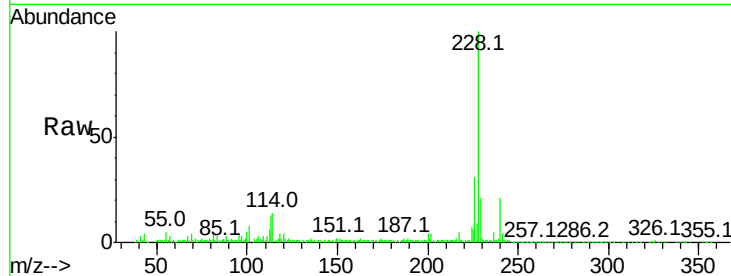
#80
Benzo(a)anthracene
Concen: 15.673 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	20.7	15.8	23.6

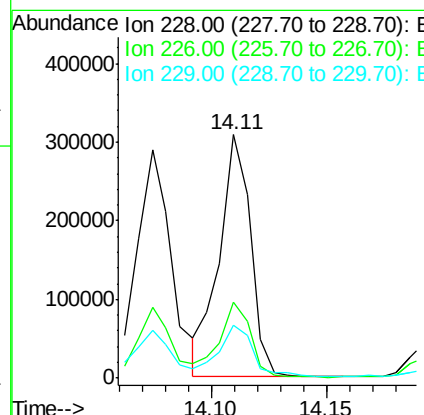
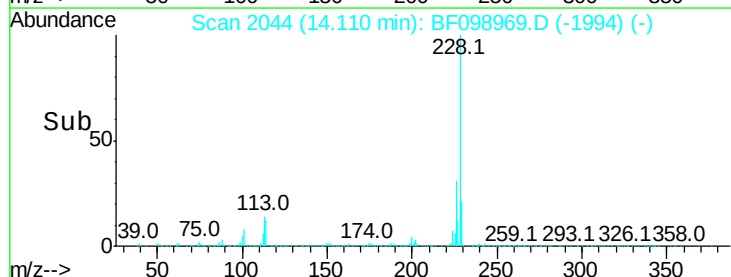
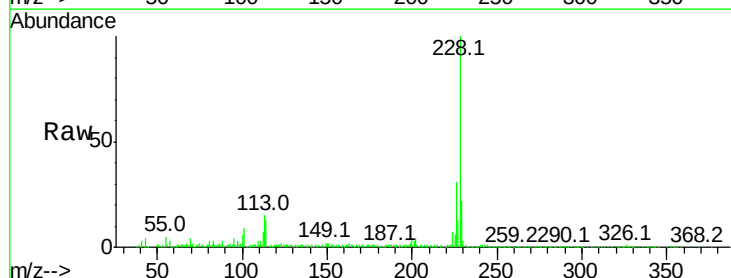
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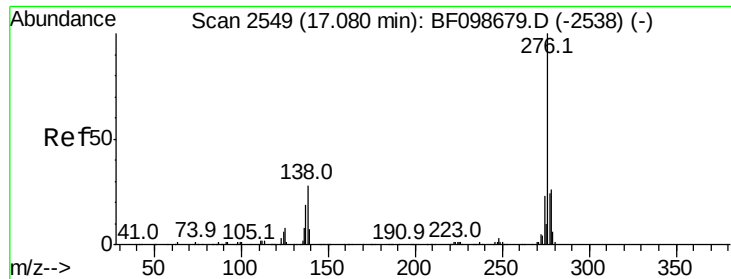
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#82
Chrysene
Concen: 15.868 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	21.9	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.349 ng

RT: 17.09 min Scan# 2551

Delta R.T. 0.01 min

Lab File: BF098969.D

Acq: 30 Sep 2017 18:15

Instrument :

BNA_F

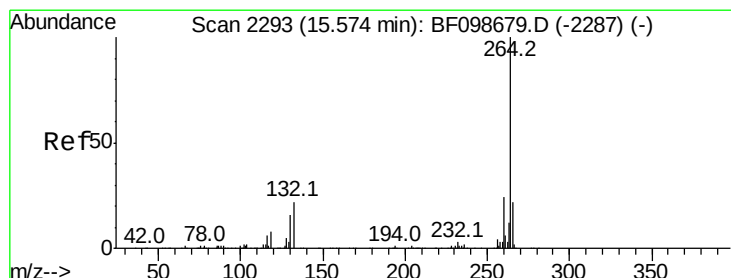
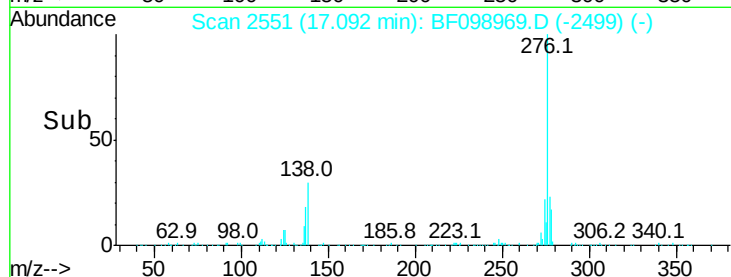
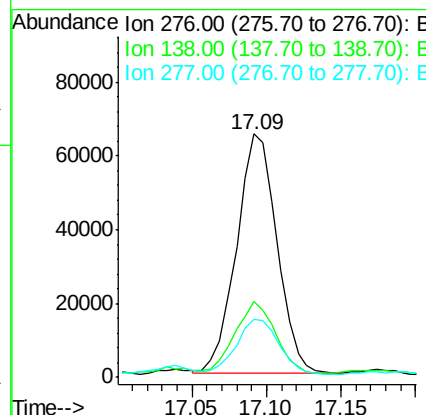
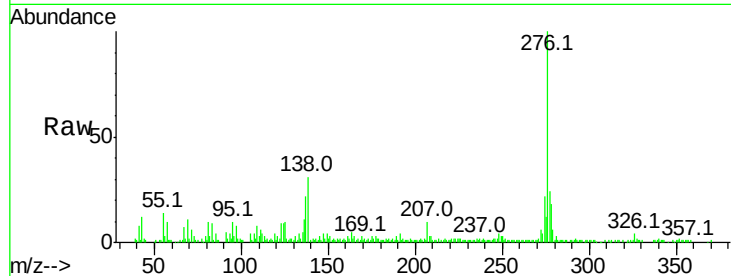
ClientSampleId :

NYSEG-PH4-SB-ESMI-6

Tot Ion:	276	Resp:	122021
Ion Ratio	Lower	Upper	
276	100		
138	29.8	25.0	37.6
277	24.4	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

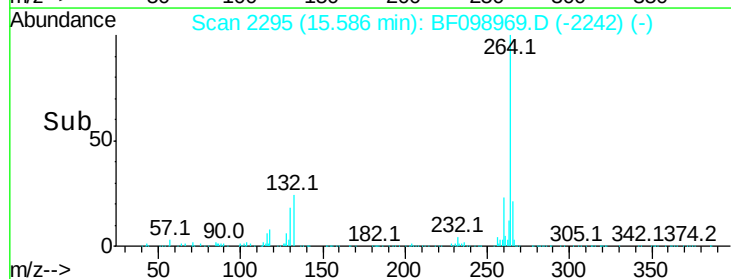
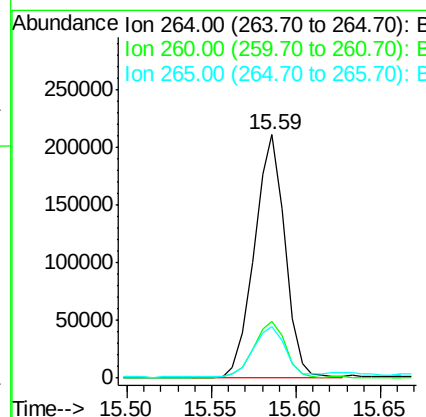
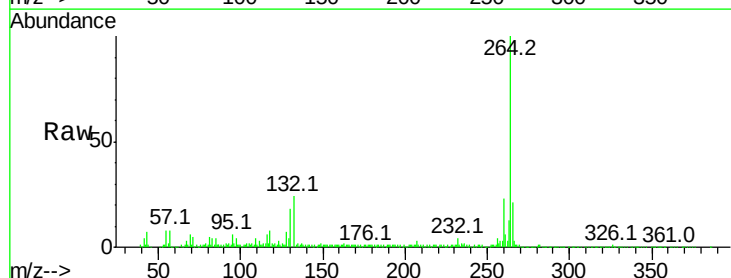
RT: 15.59 min Scan# 2295

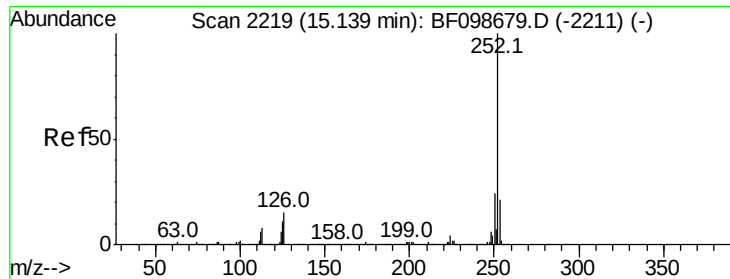
Delta R.T. 0.01 min

Lab File: BF098969.D

Acq: 30 Sep 2017 18:15

Tgt Ion:	264	Resp:	264278
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 21.367 ng m

RT: 15.14 min Scan# 2220

Delta R.T. 0.01 min

Lab File: BF098969.D

Acq: 30 Sep 2017 18:15

Instrument :

BNA_F

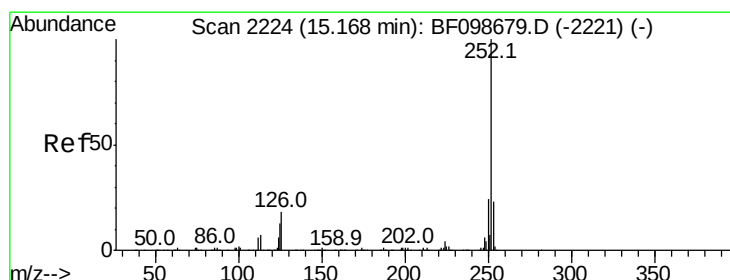
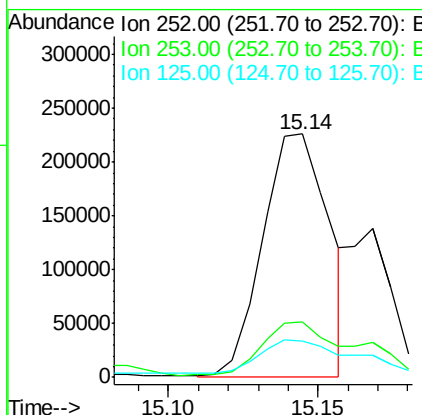
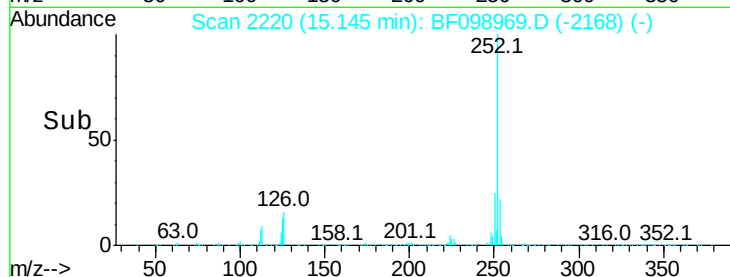
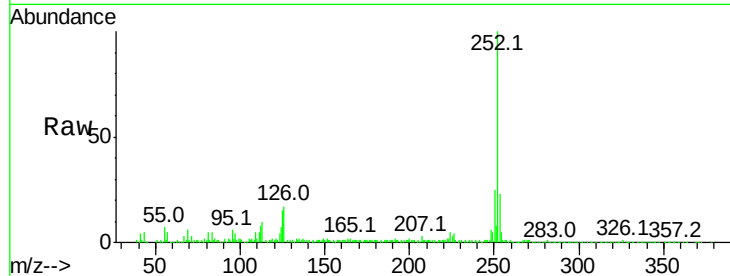
ClientSampleId :

NYSEG-PH4-SB-ESMI-6

Tot Ion:	252	Resp:	347197
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	15.0	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 8.366 ng m

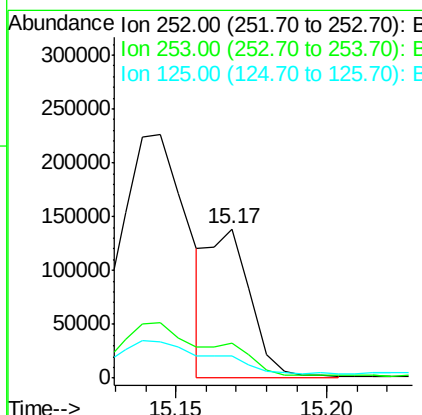
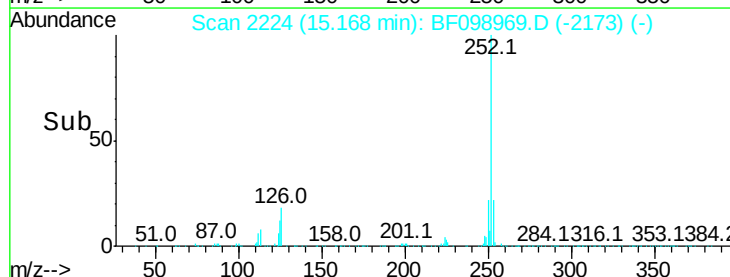
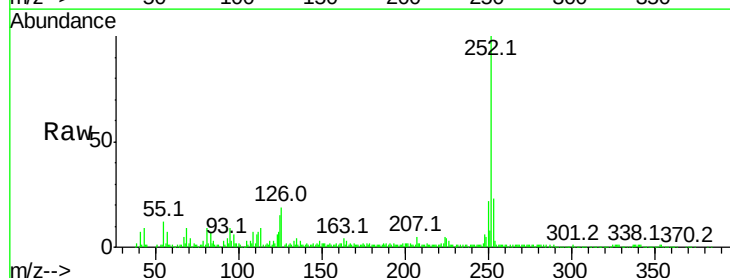
RT: 15.17 min Scan# 2224

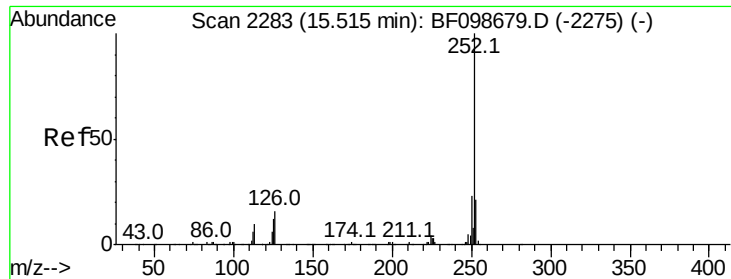
Delta R.T. -0.00 min

Lab File: BF098969.D

Acq: 30 Sep 2017 18:15

Tgt Ion:	252	Resp:	134268
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.9	26.9
125	14.7	10.2	15.2





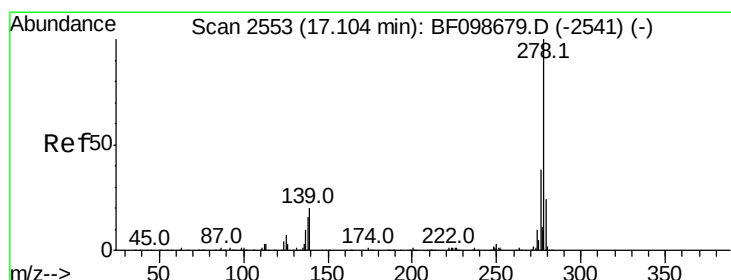
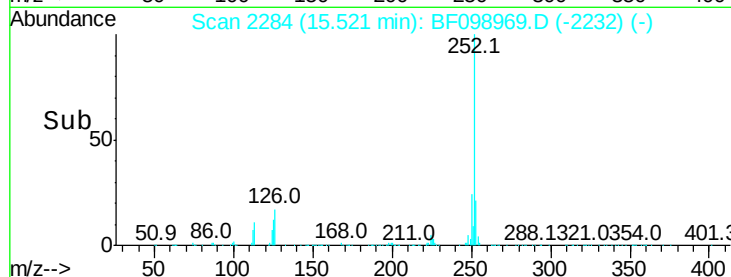
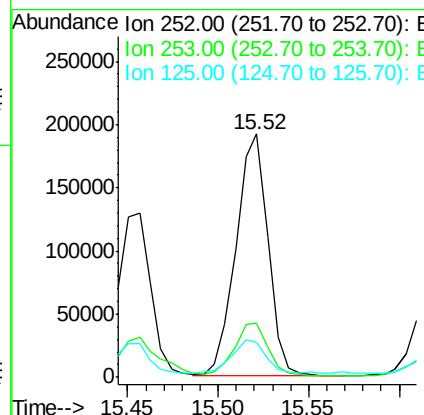
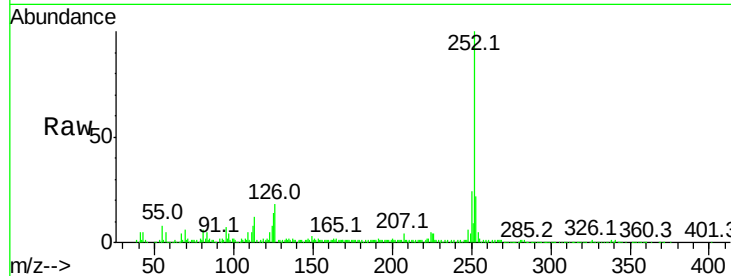
#89
Benzo(a)pyrene
Concen: 15.819 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-6

Tot Ion	Ratio	Resp	Lower	Upper
252	100	235945		
253	22.3		17.1	25.7
125	14.5		9.8	14.6

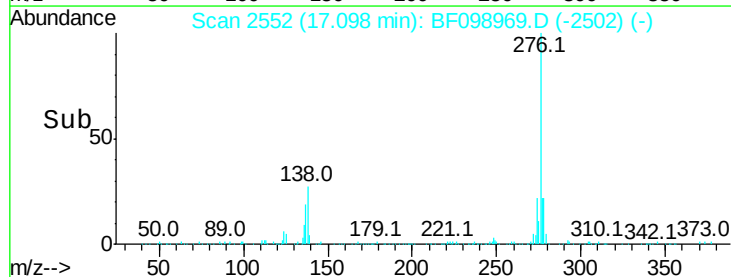
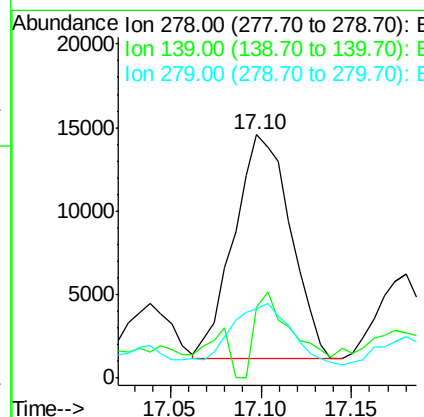
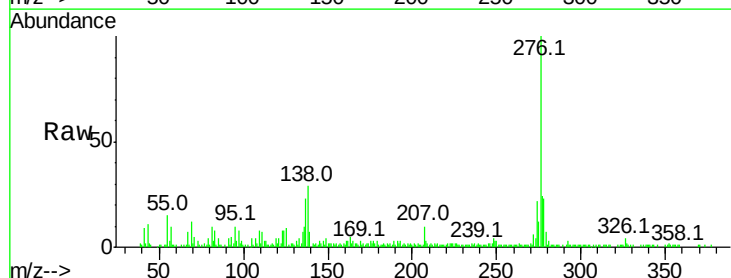
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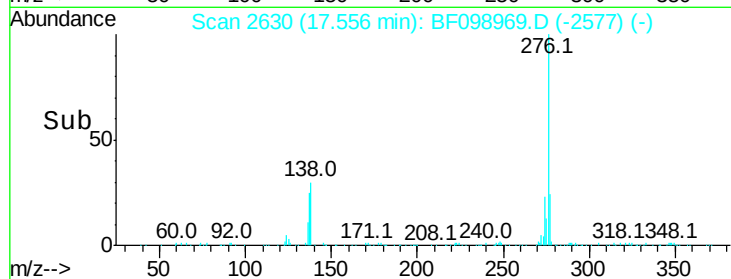
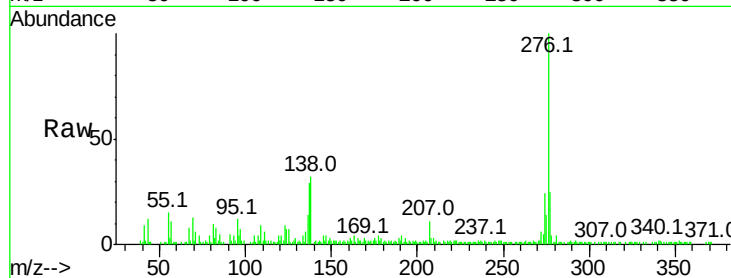
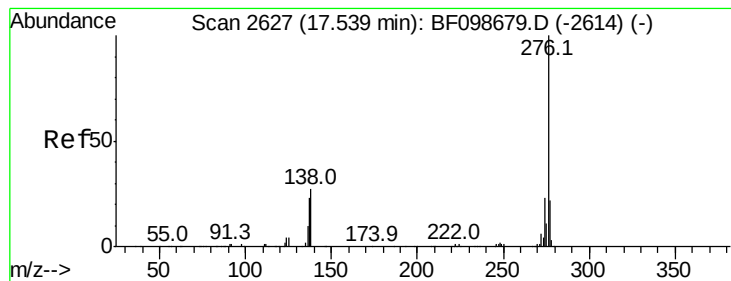
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#90
Dibenzo(a,h)anthracene
Concen: 2.435 ng
RT: 17.10 min Scan# 2552
Delta R.T. -0.01 min
Lab File: BF098969.D
Acq: 30 Sep 2017 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	29062		
139	28.9		15.9	23.9#
279	28.8		19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 9.879 ng
 RT: 17.56 min Scan# 2630
 Delta R.T. 0.01 min
 Lab File: BF098969.D
 Acq: 30 Sep 2017 18:15

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	32.4	21.8	32.8

Manual Integrations
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