

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
 Data File : BF098993.D
 Acq On : 1 Oct 2017 15:44
 Operator : SJ/JU
 Sample : I5563-03DL 250X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-3DL

Manual Integrations
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Quant Time: Oct 02 07:34:22 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	136908	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	571464	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	256135	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	446884	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	261005	20.00	ng	-0.02
86) Perylene-d12	15.56	264	249793	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	3160	0.37	ng	-0.02
7) Phenol-d6	6.52	99	4008	0.38	ng	-0.03
23) Nitrobenzene-d5	7.46	82	2482	0.28	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	550	0.26	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	5543	0.36	ng	-0.02
78) Terphenyl-d14	13.01	244	4849	0.42	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.21	128	1093795	40.753	ng	100
37) 2-Methylnaphthalene	8.90	142	346429	19.855	ng	100
45) 1,1'-Biphenyl	9.36	154	89215	4.053	ng	98
48) Acenaphthylene	9.80	152	119889	4.738	ng	99
51) Acenaphthene	9.97	154	248813	15.524	ng	99
54) Dibenzofuran	10.15	168	289383	13.561	ng	98
57) Fluorene	10.49	166	313526	18.279	ng	99
70) Phenanthrene	11.46	178	1087550	45.465	ng	99
71) Anthracene	11.50	178	399642	16.328	ng	100
72) Carbazole	11.66	167	78791	3.287	ng	99
74) Fluoranthene	12.65	202	640031	26.423	ng	98
77) Pylene	12.87	202	495249	24.884	ng	100
80) Benzo(a)anthracene	14.06	228	196781m	12.451	ng	
82) Chrysene	14.09	228	158990	10.567	ng	96
85) Indeno(1,2,3-cd)pyrene	17.06	276	58064	4.824	ng	96
87) Benzo(b)fluoranthene	15.12	252	161039m	10.485	ng	
88) Benzo(k)fluoranthene	15.14	252	50126m	3.304	ng	
89) Benzo(a)pyrene	15.49	252	130087	9.227	ng	# 94
91) Benzo(a,h,i)perylene	17.51	276	50964	4.570	ng	94

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

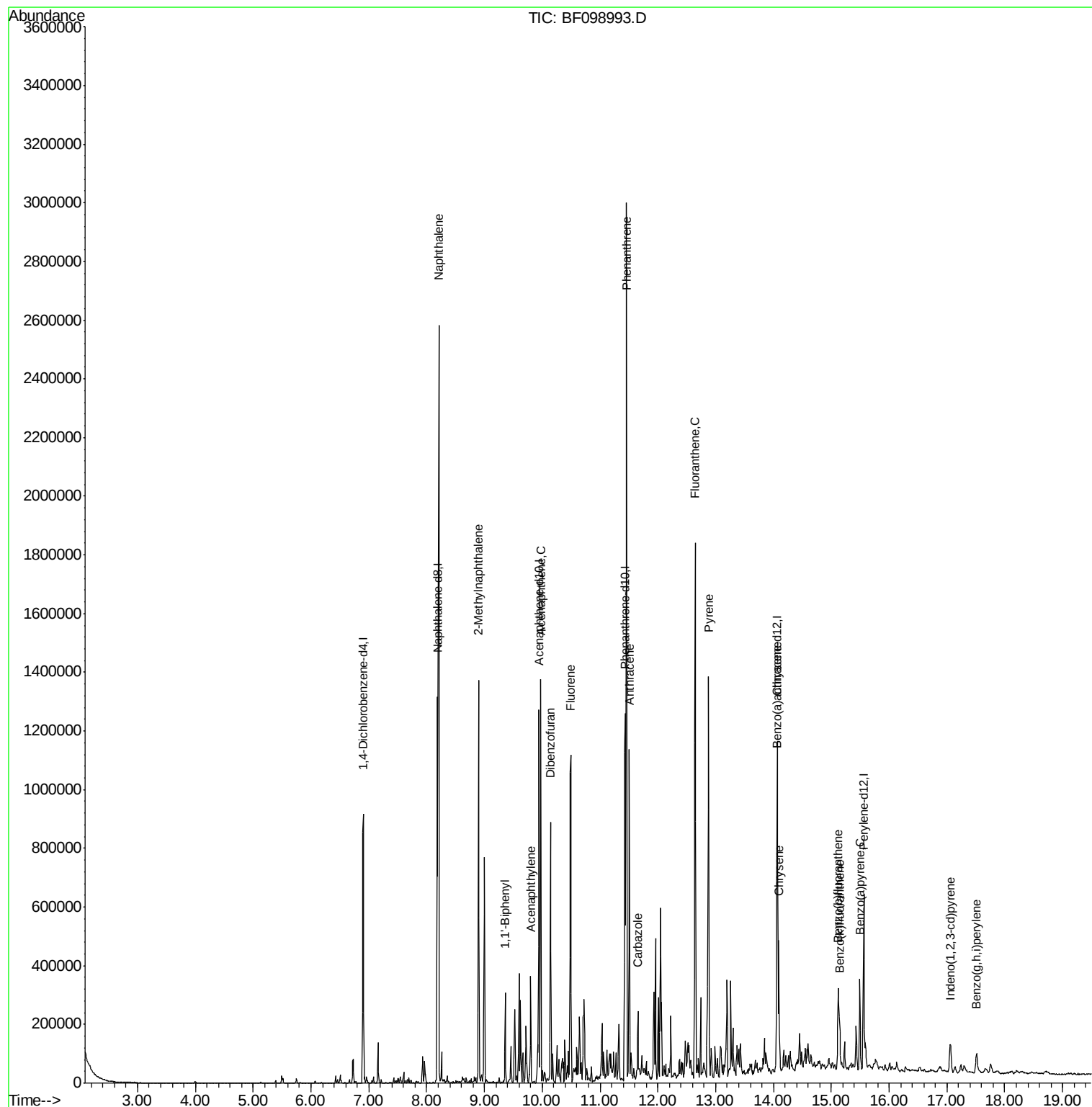
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
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#1

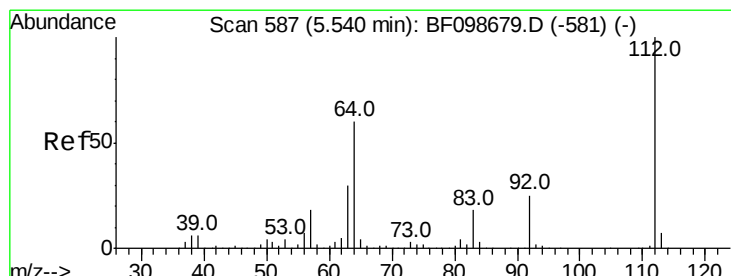
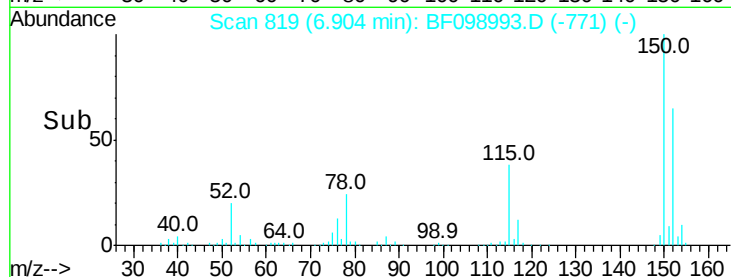
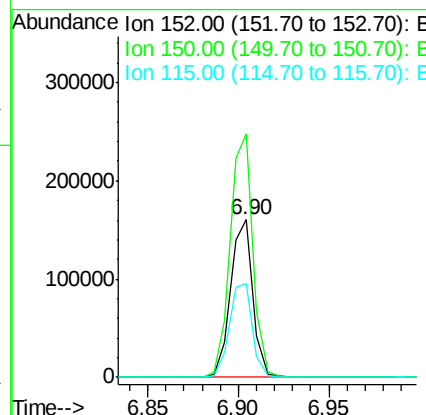
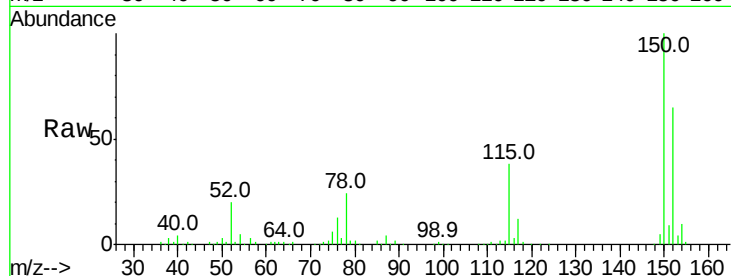
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF098993.D
 Acq: 1 Oct 2017 15:44

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	59.3	50.1	75.1

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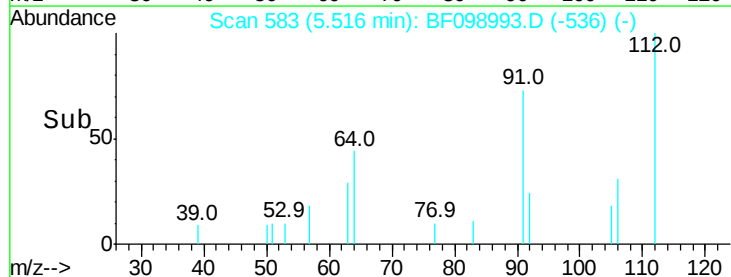
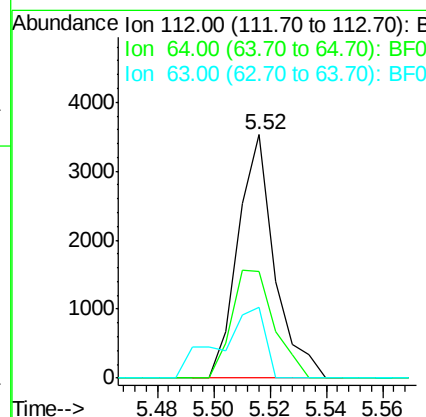
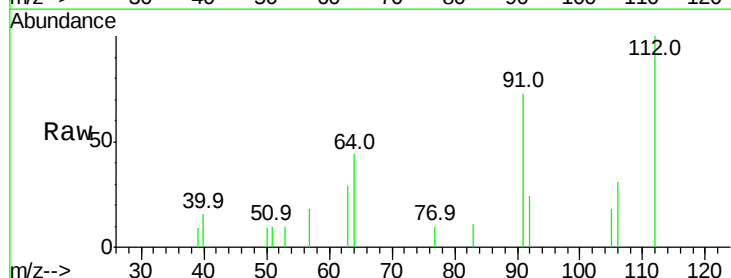
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#5

2-Fluorophenol
 Concen: 0.367 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.02 min
 Lab File: BF098993.D
 Acq: 1 Oct 2017 15:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.8	47.9	71.9#
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 0.378 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF098993.D

Acq: 1 Oct 2017 15:44

Instrument :

BNA_F

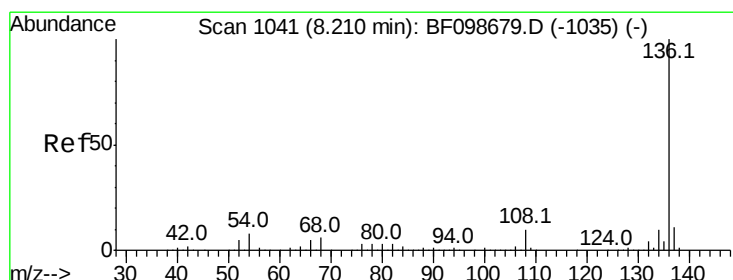
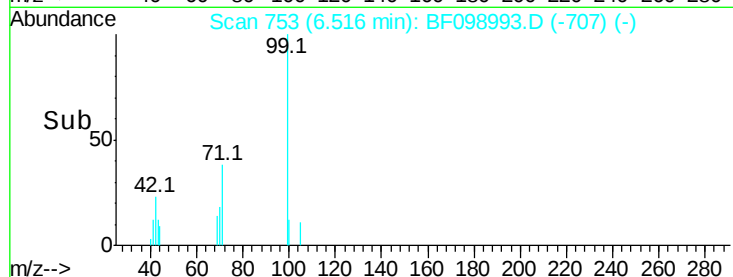
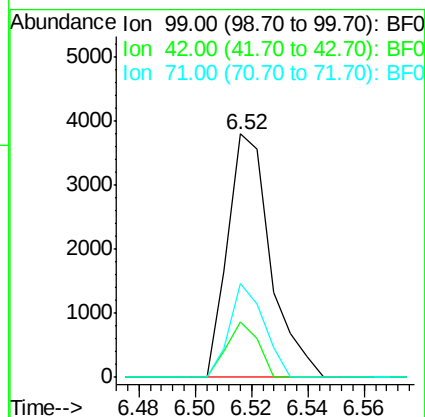
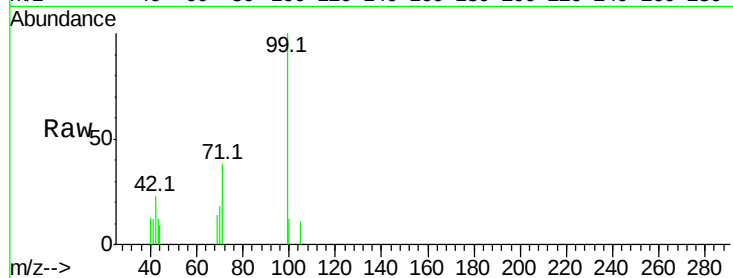
ClientSampleId :

NYSEG-PH4-SB-ESMI-3DL

Tot Ion:	99	Resp:	4008
Ion Ratio	Lower	Upper	
99	100		
42	22.9	14.5	21.7#
71	38.3	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

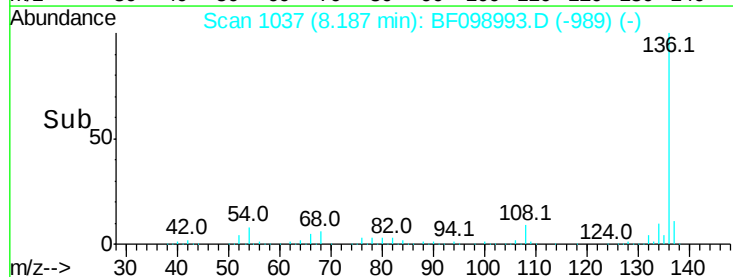
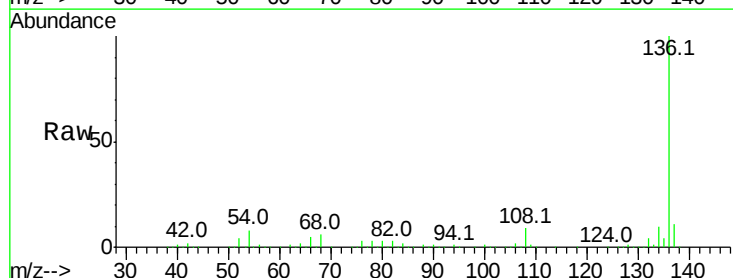
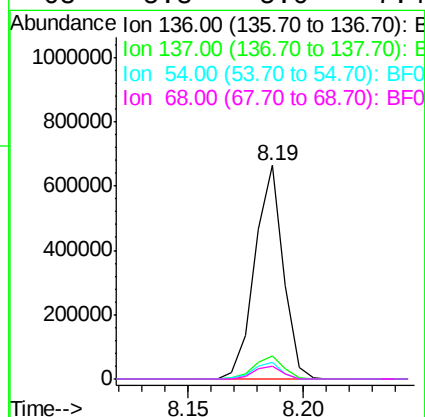
RT: 8.19 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF098993.D

Acq: 1 Oct 2017 15:44

Tgt Ion:	136	Resp:	571464
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.6	6.6	9.8
68	5.8	5.0	7.4





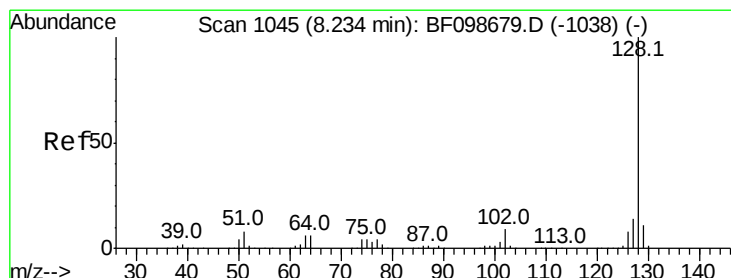
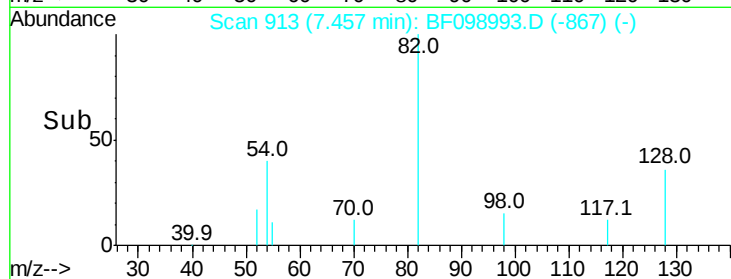
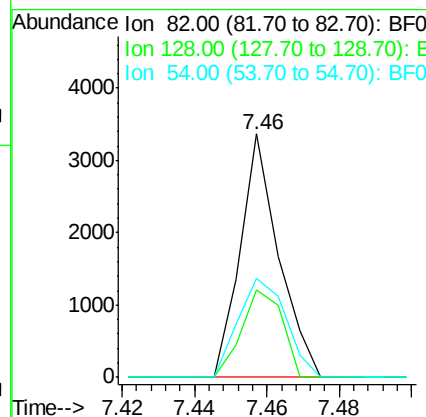
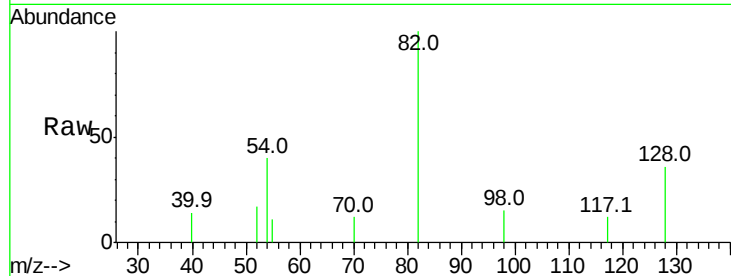
#23
Nitrobenzene-d5
Concen: 0.279 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.03 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.1	36.1	54.1#
54	40.5	41.4	62.2#

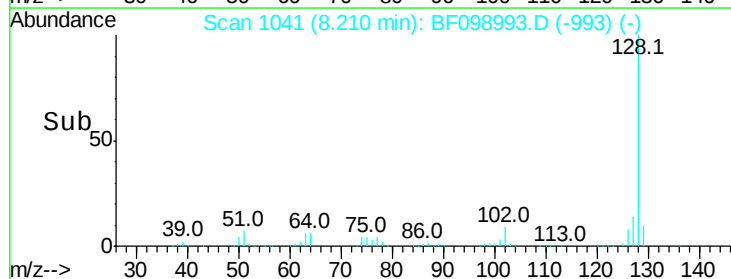
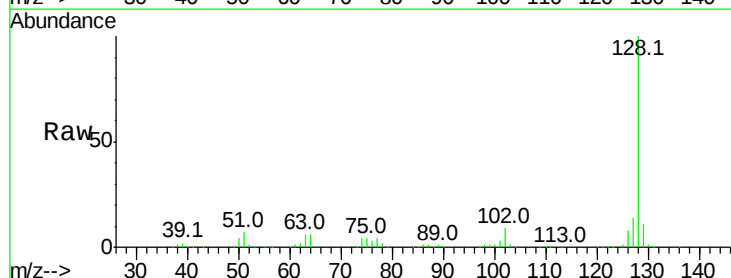
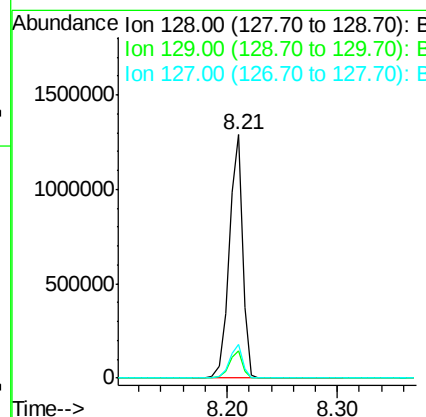
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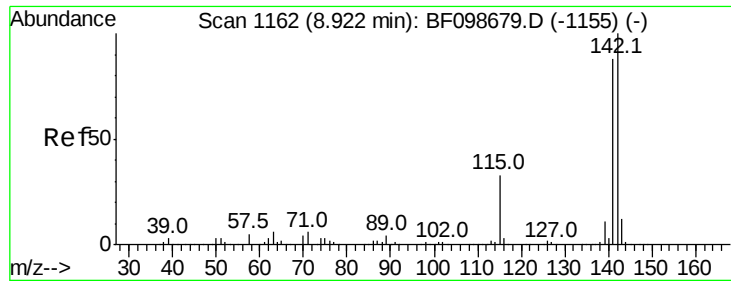
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#31
Naphthalene
Concen: 40.753 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.8	10.9	16.3





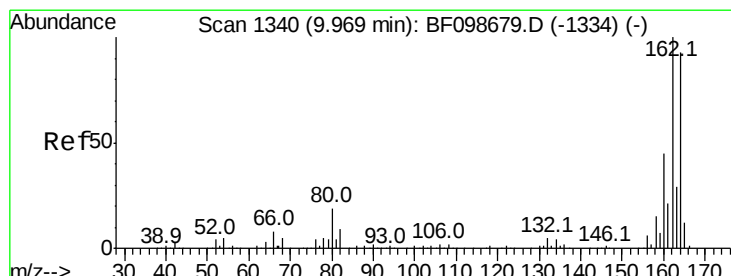
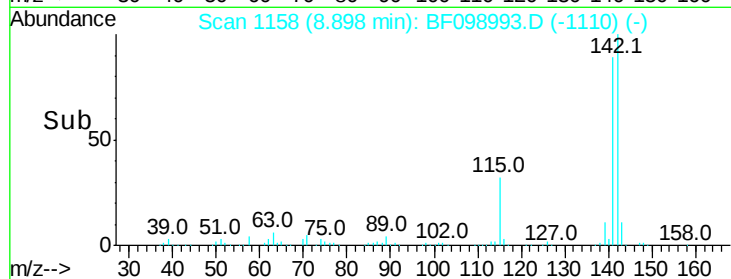
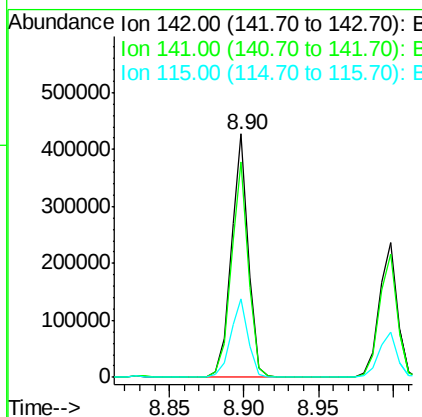
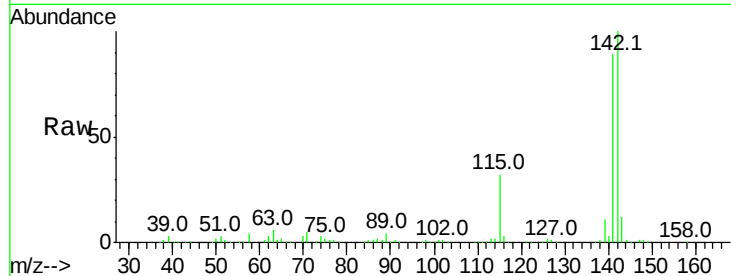
#37
2-Methylnaphthalene
Concen: 19.855 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	346429		
141	88.6		70.8	106.2
115	32.2		26.1	39.1

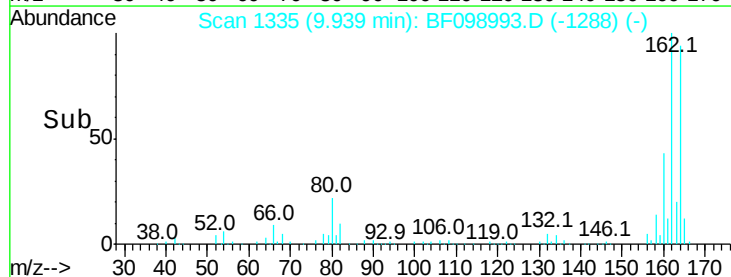
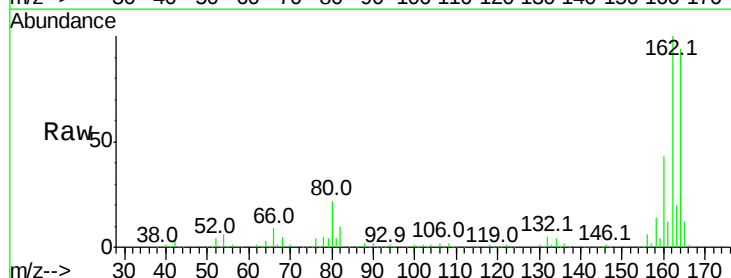
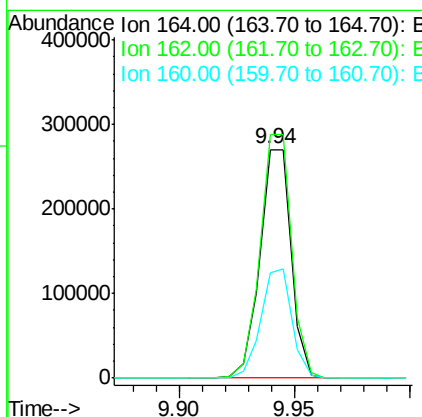
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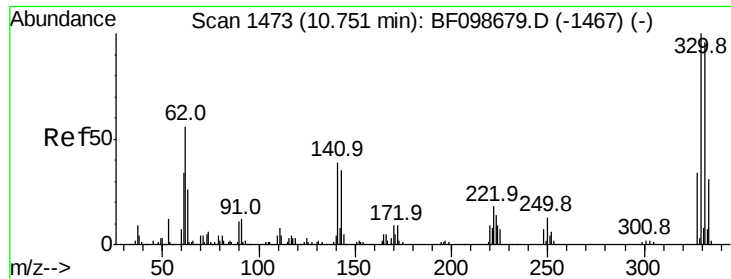
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	256135		
162	106.3		86.1	129.1
160	45.9		38.3	57.5





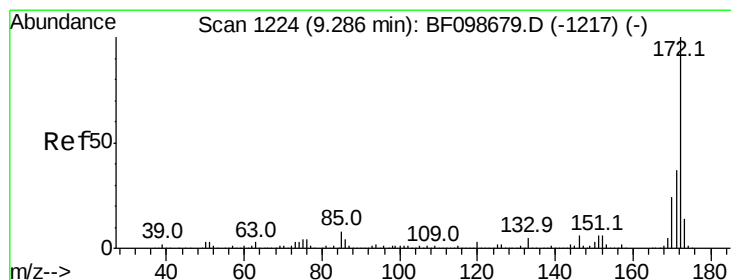
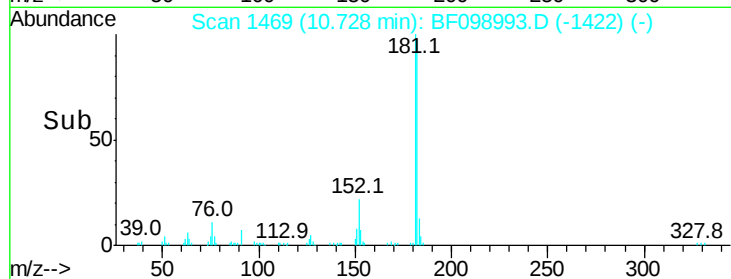
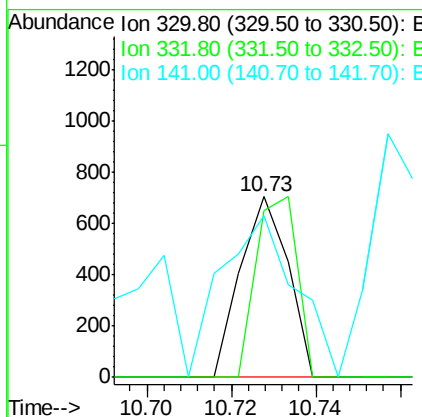
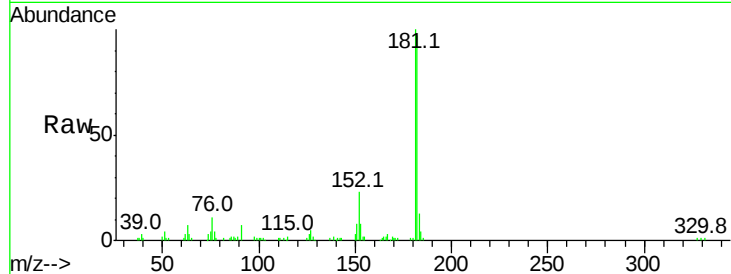
#41
 2,4,6-Tribromophenol
 Concen: 0.262 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.02 min
 Lab File: BF098993.D
 Acq: 1 Oct 2017 15:44

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-3DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	87.1	77.0	115.6
141	139.8	29.9	44.9#

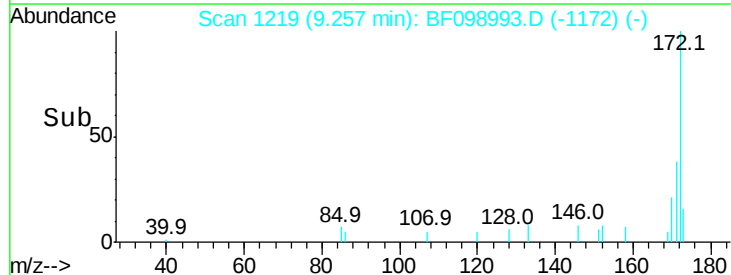
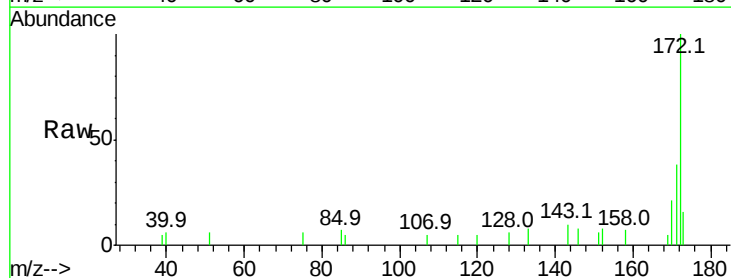
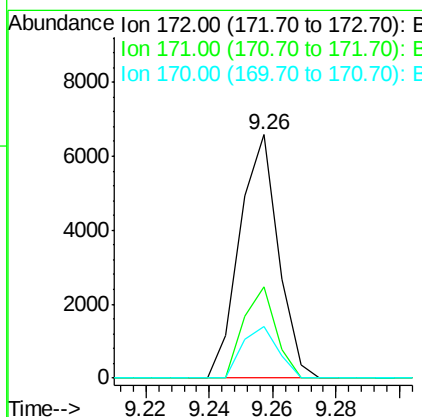
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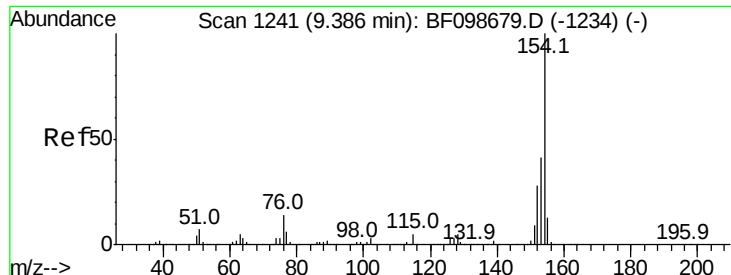
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#44
 2-Fluorobiphenyl
 Concen: 0.361 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: BF098993.D
 Acq: 1 Oct 2017 15:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.7	44.5
170	21.1	19.6	29.4





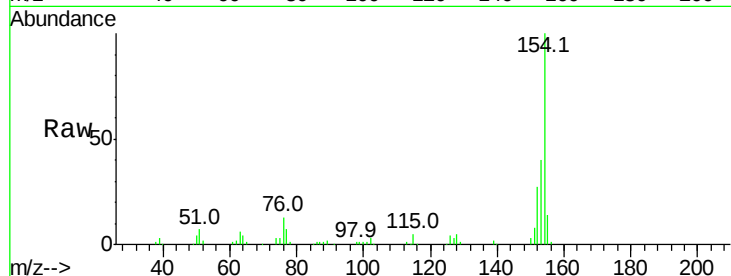
#45
 1,1'-Biphenyl
 Concen: 4.053 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.02 min
 Lab File: BF098993.D
 Acq: 1 Oct 2017 15:44

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-3DL

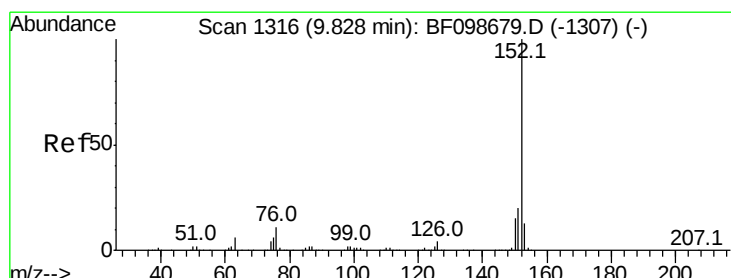
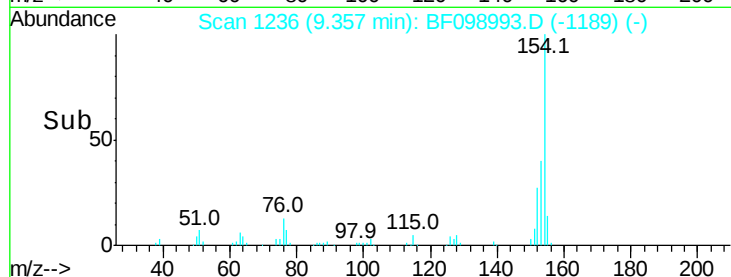
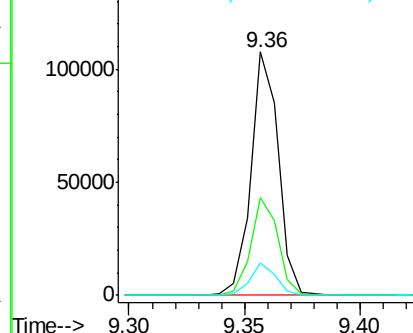
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.3	61.3
76	13.1	0.0	34.0

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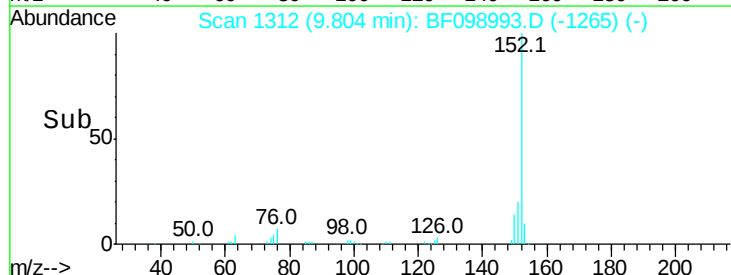
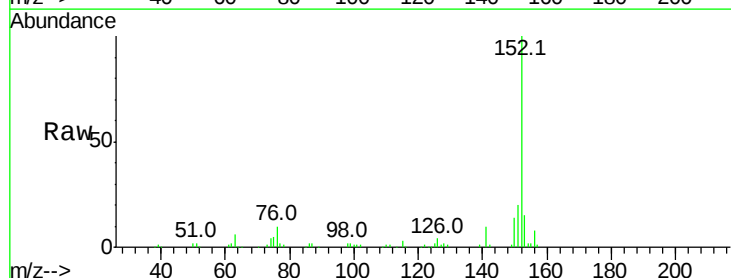
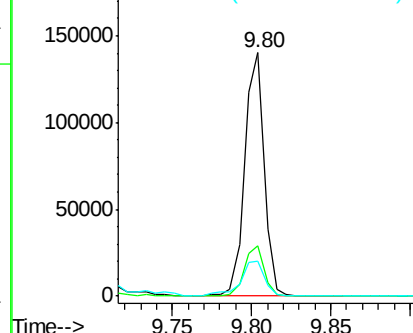
Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

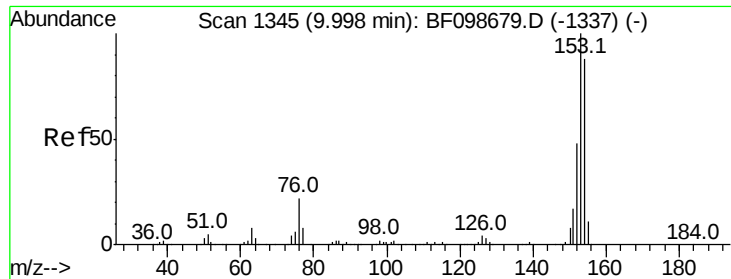


#48
 Acenaphthylene
 Concen: 4.738 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: BF098993.D
 Acq: 1 Oct 2017 15:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	14.6	10.7	16.1

Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 15.524 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF098993.D

Acq: 1 Oct 2017 15:44

Instrument :

BNA_F

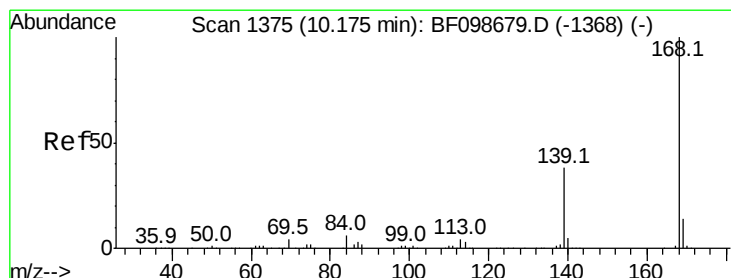
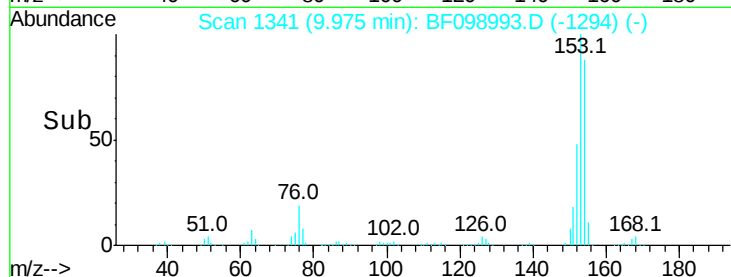
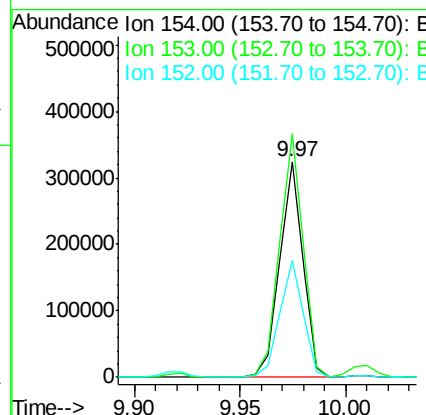
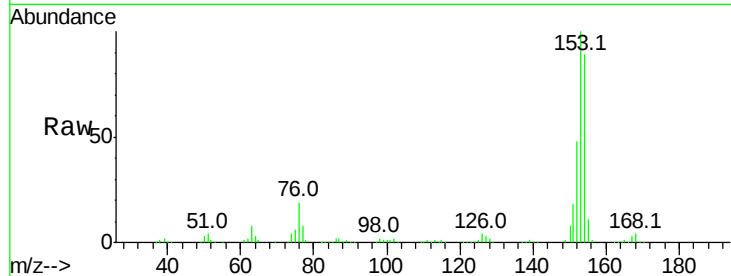
ClientSampleId :

NYSEG-PH4-SB-ESMI-3DL

Tot Ion:	154	Resp:	248813
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.2	136.8
152	54.3	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 13.561 ng

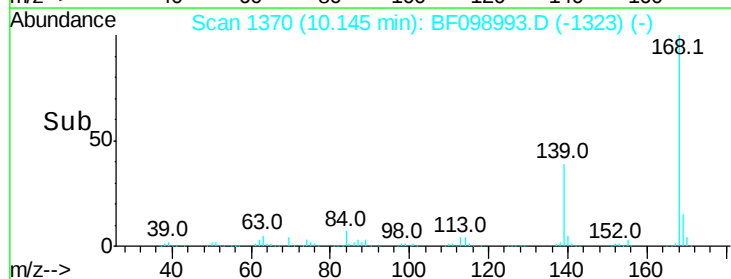
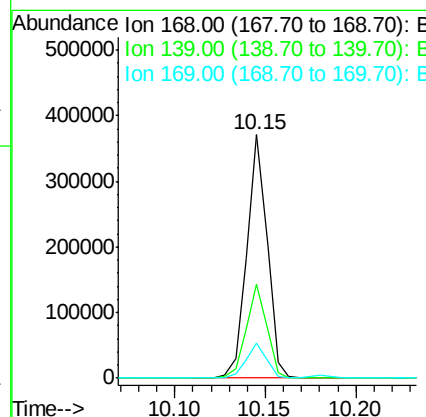
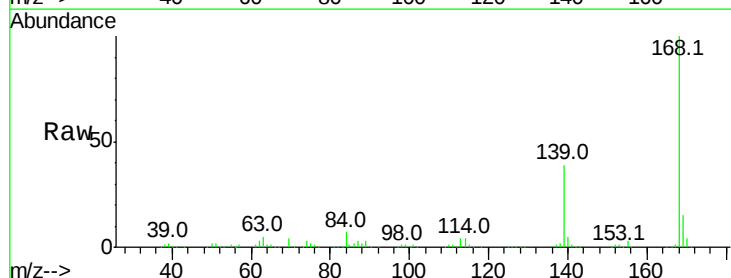
RT: 10.15 min Scan# 1370

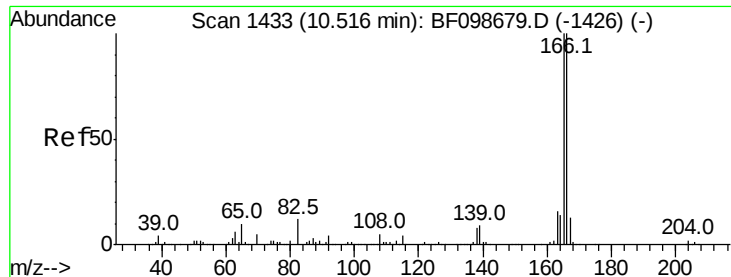
Delta R.T. -0.02 min

Lab File: BF098993.D

Acq: 1 Oct 2017 15:44

Tgt Ion:	168	Resp:	289383
Ion Ratio	Lower	Upper	
168	100		
139	38.7	30.1	45.1
169	14.5	10.9	16.3





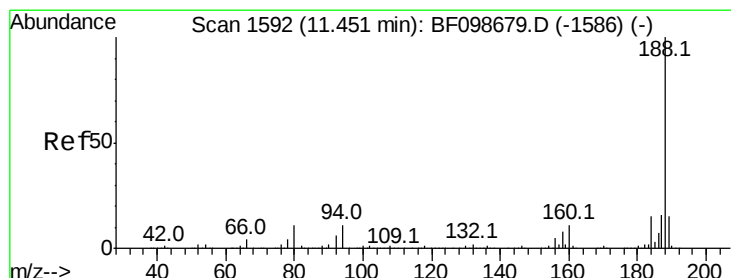
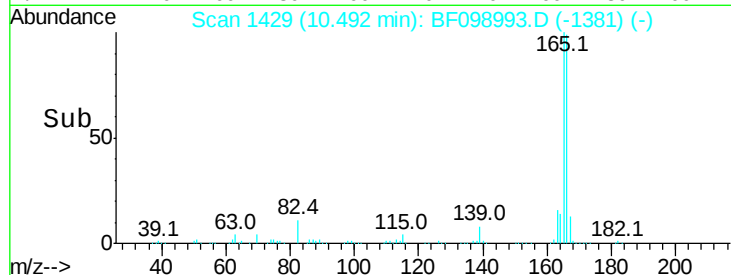
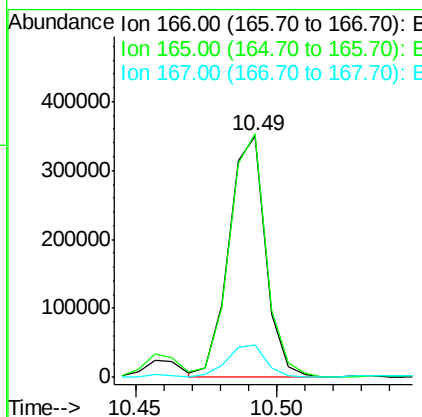
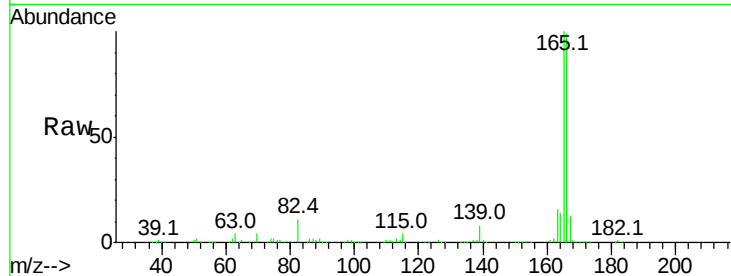
#57
Fluorene
 Concen: 18.279 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.02 min
 Lab File: BF098993.D
 Acq: 1 Oct 2017 15:44

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-3DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.0	79.8	119.8
167	13.5	10.6	16.0

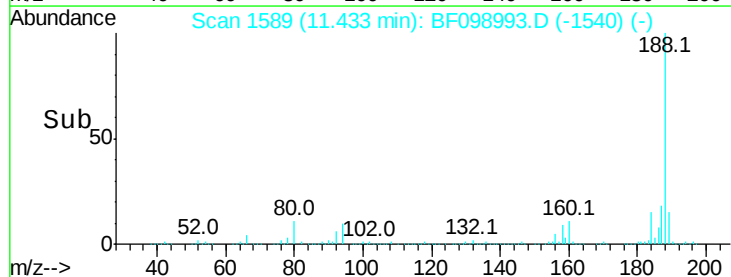
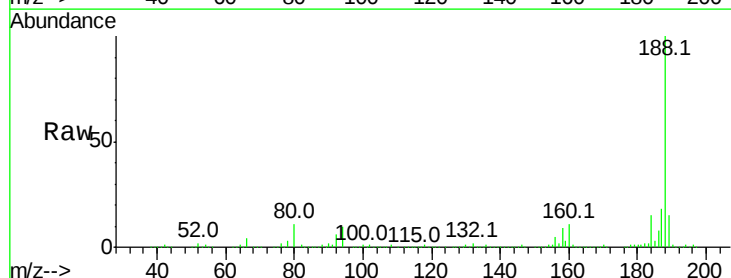
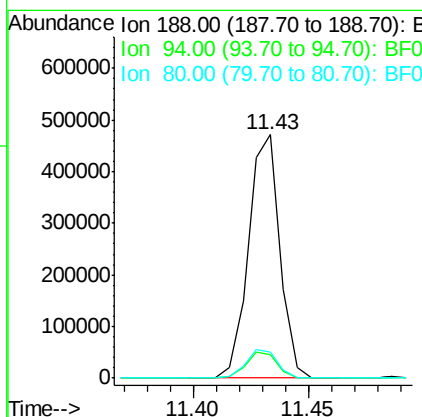
Manual Integrations
 APPROVED

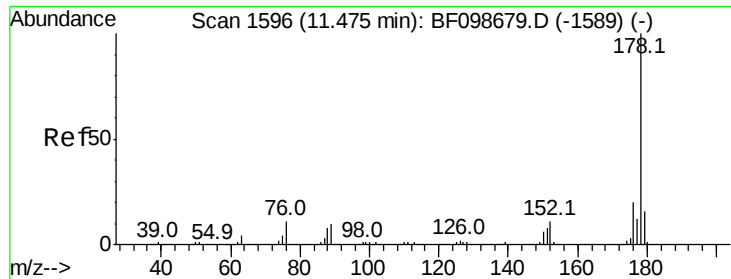
Sohil
 10/2/2017 5:49:16 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF098993.D
 Acq: 1 Oct 2017 15:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.6	9.2	13.8





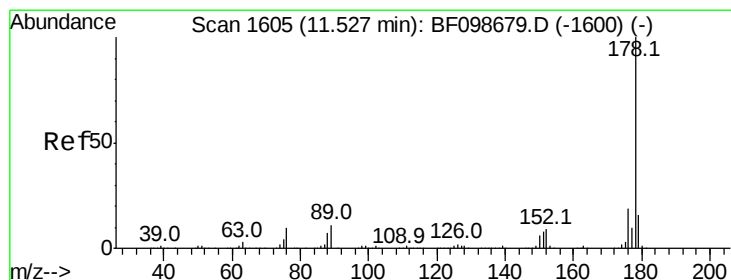
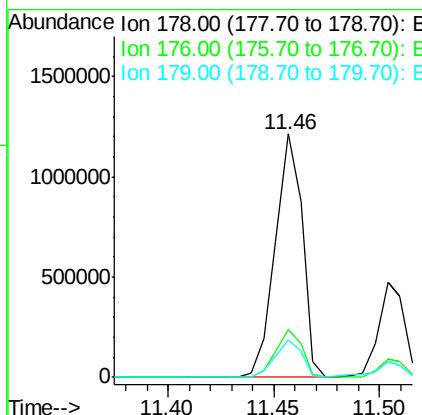
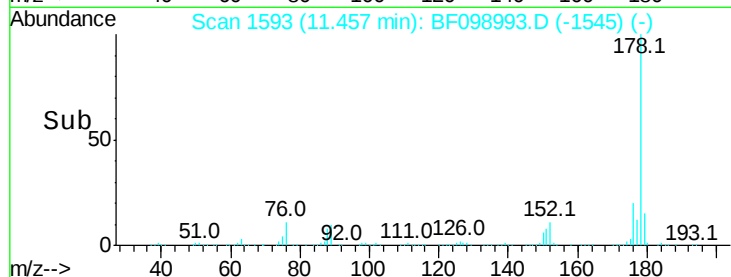
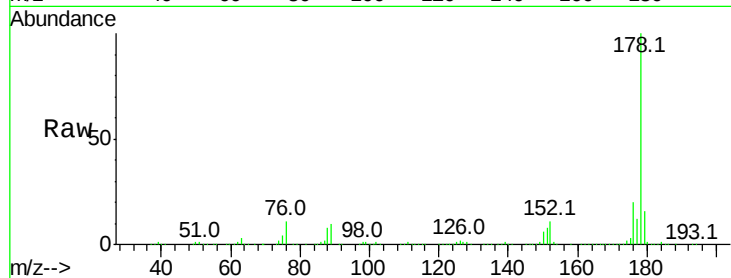
#70
Phenanthrene
Concen: 45.465 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3DL

Tot Ion:178 Resp: 1087550
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.5 13.0 19.6

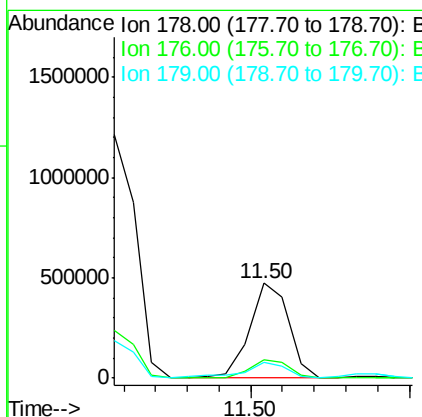
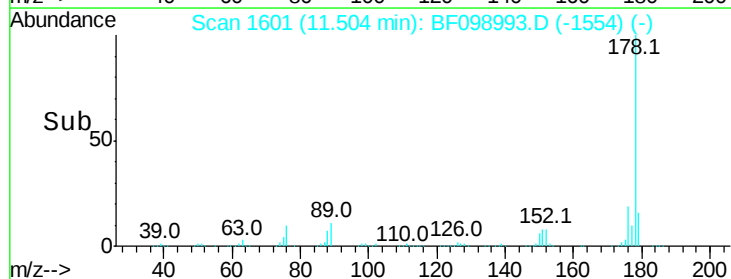
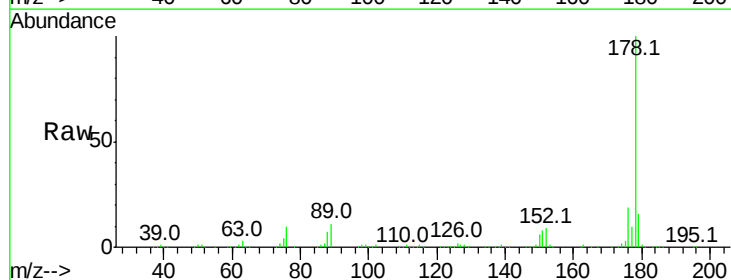
Manual Integrations
APPROVED

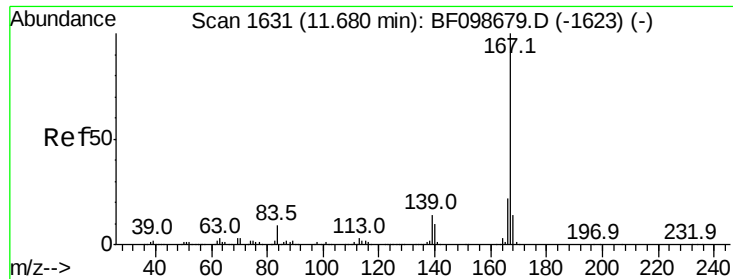
Sohil
10/2/2017 5:49:16 PM



#71
Anthracene
Concen: 16.328 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.02 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Tgt Ion:178 Resp: 399642
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 16.1 12.6 19.0





#72

Carbazole

Concen: 3.287 ng

RT: 11.66 min Scan# 1627

Delta R.T. -0.02 min

Lab File: BF098993.D

Acq: 1 Oct 2017 15:44

Instrument :

BNA_F

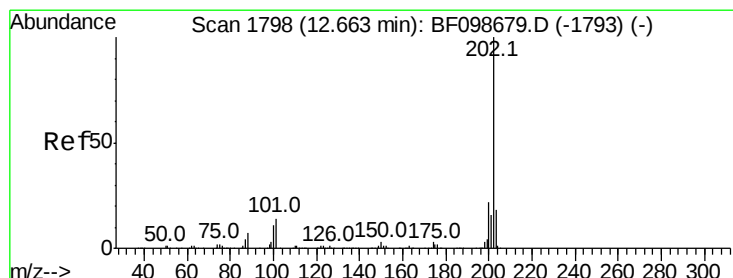
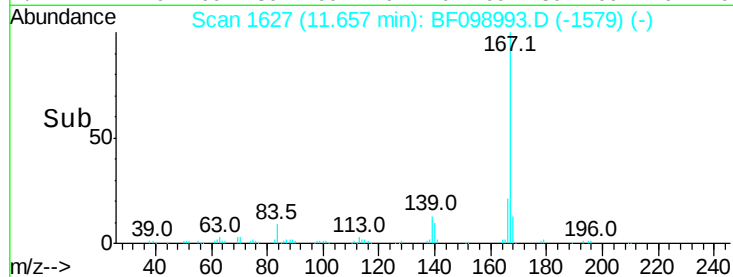
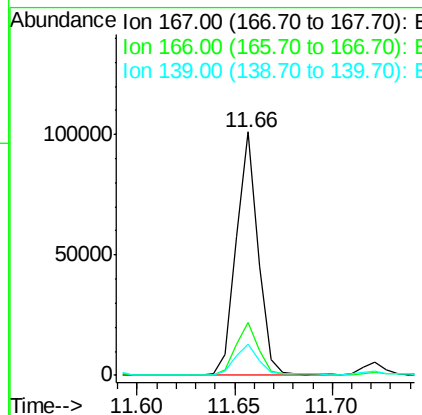
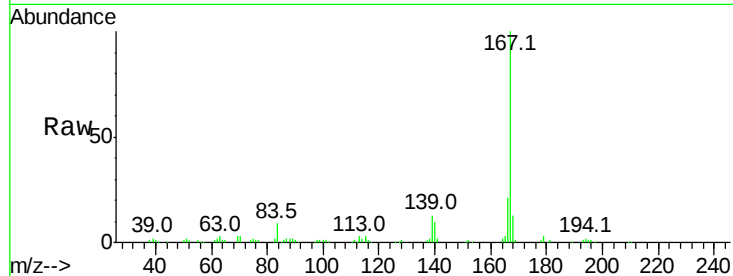
ClientSampleId :

NYSEG-PH4-SB-ESMI-3DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.6	26.4
139	13.0	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 26.423 ng

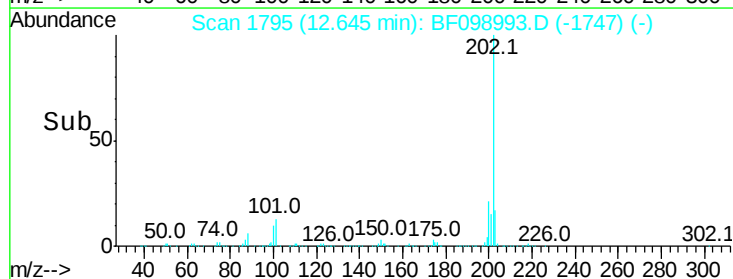
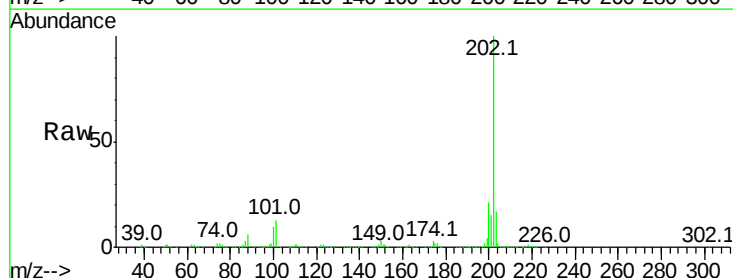
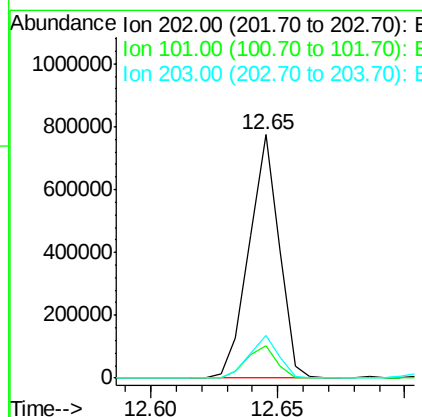
RT: 12.65 min Scan# 1795

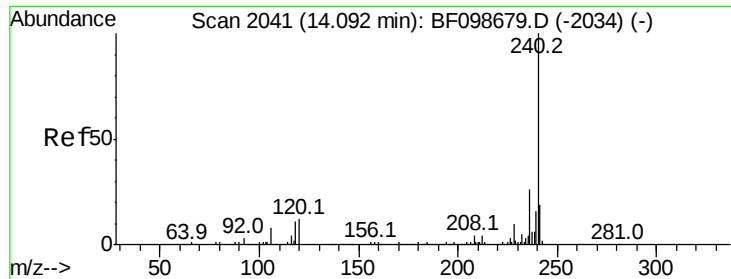
Delta R.T. -0.02 min

Lab File: BF098993.D

Acq: 1 Oct 2017 15:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	34.1
203	17.5	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: BF098993.D

Acq: 1 Oct 2017 15:44

Instrument :

BNA_F

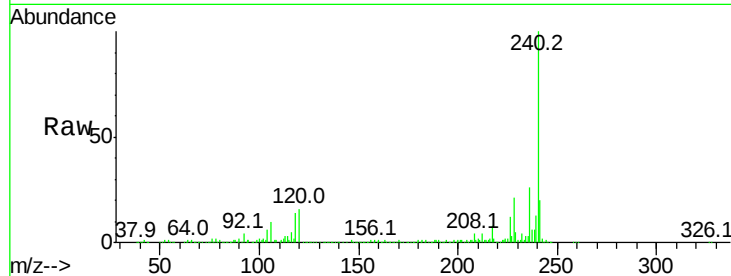
ClientSampleId :

NYSEG-PH4-SB-ESMI-3DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	25.6	20.7	31.1

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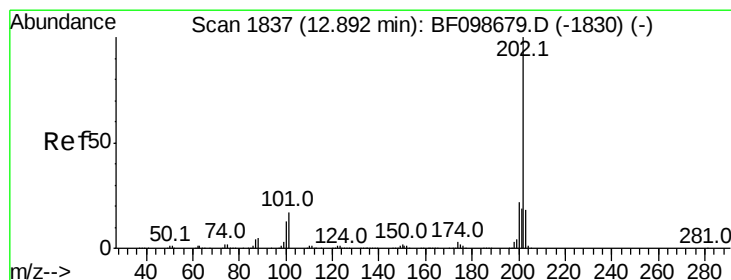
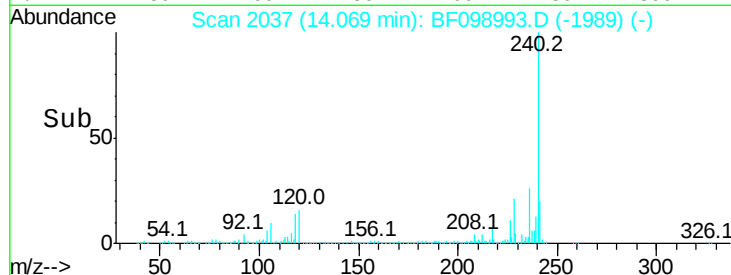
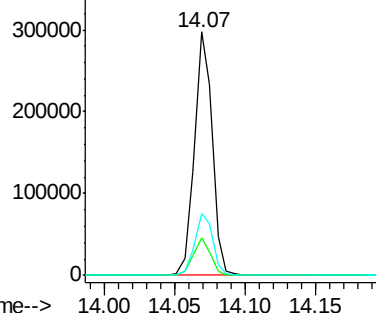


Abundance

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: 24.884 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF098993.D

Acq: 1 Oct 2017 15:44

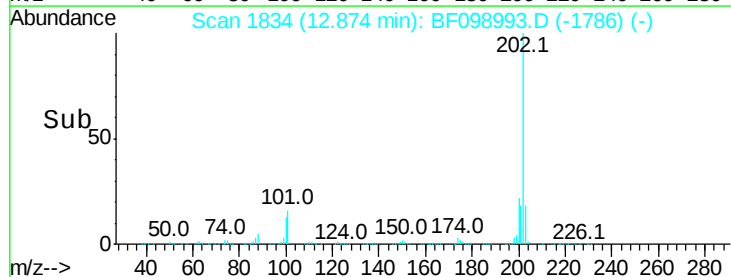
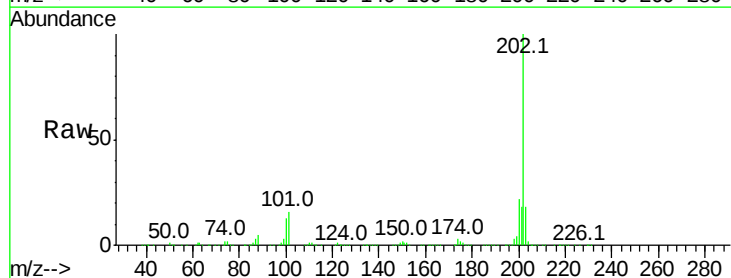
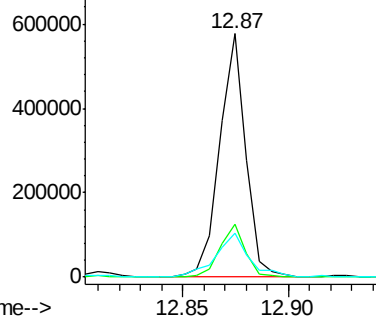
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.9	14.3	21.5

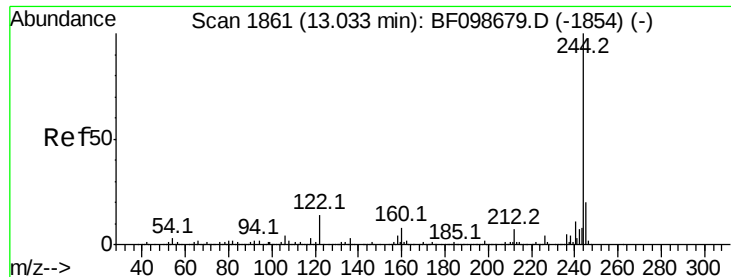
Abundance

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: 0.423 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.02 min

Lab File: BF098993.D

Acq: 1 Oct 2017 15:44

Instrument :

BNA_F

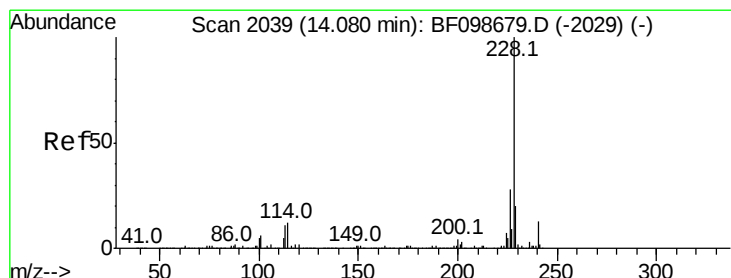
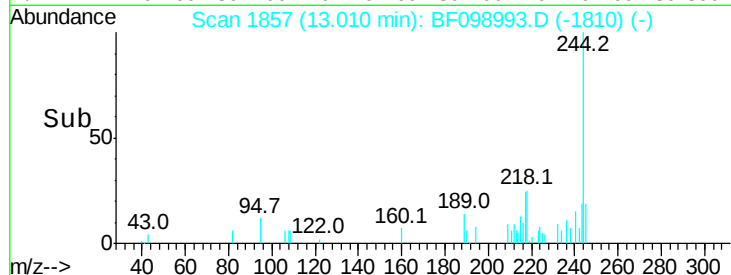
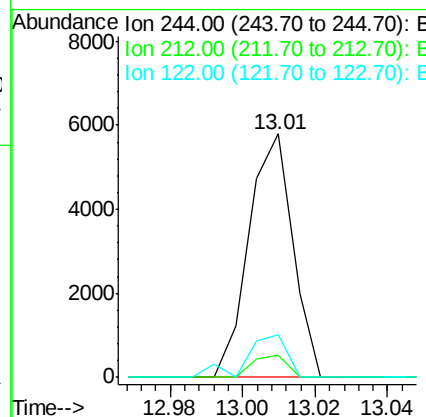
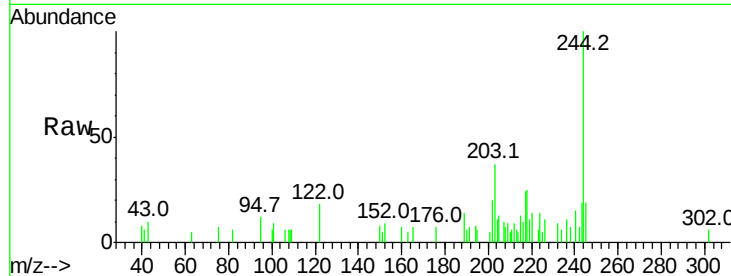
ClientSampleId :

NYSEG-PH4-SB-ESMI-3DL

Tot Ion:	244	Resp:	4849
Ion Ratio	Lower	Upper	
244	100		
212	9.0	5.4	8.0#
122	17.6	11.0	16.4#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 12.451 ng m

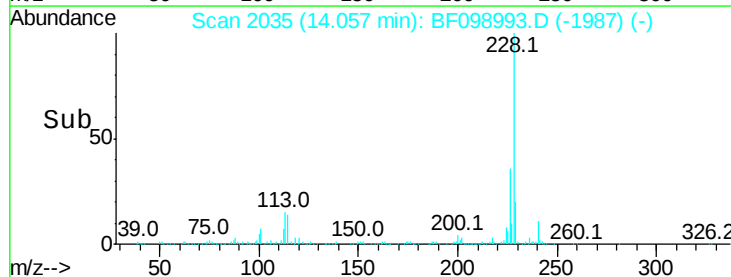
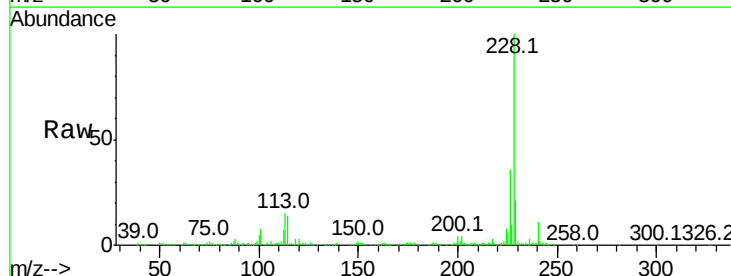
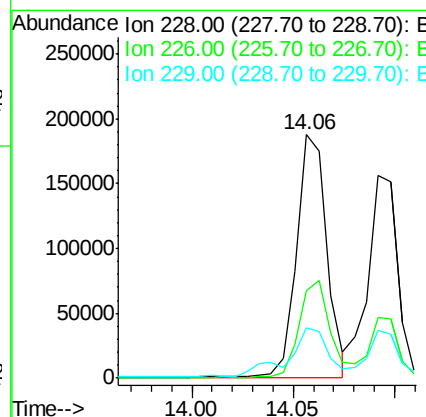
RT: 14.06 min Scan# 2035

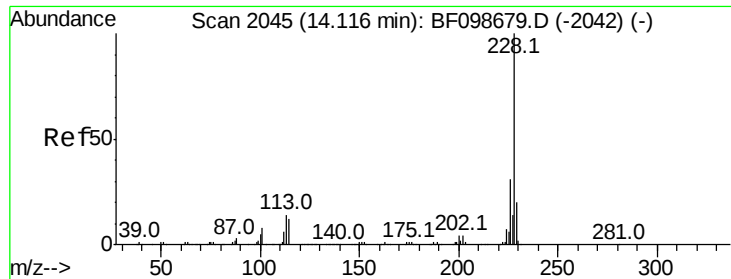
Delta R.T. -0.02 min

Lab File: BF098993.D

Acq: 1 Oct 2017 15:44

Tgt Ion:	228	Resp:	196781
Ion Ratio	Lower	Upper	
228	100		
226	36.1	22.6	33.8#
229	20.5	15.8	23.6





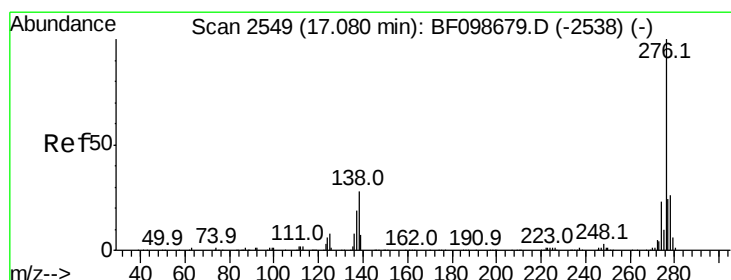
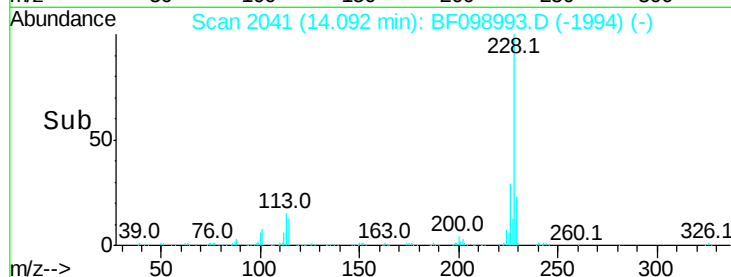
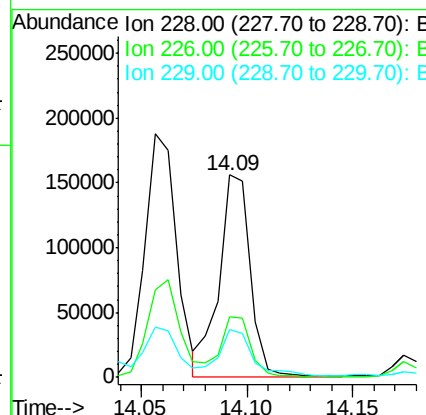
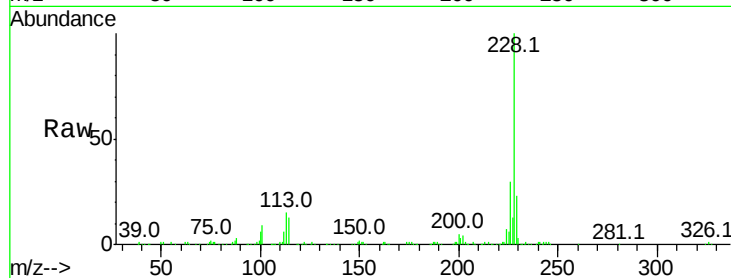
#82
Chrysene
Concen: 10.567 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.02 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	23.3	16.2	24.4

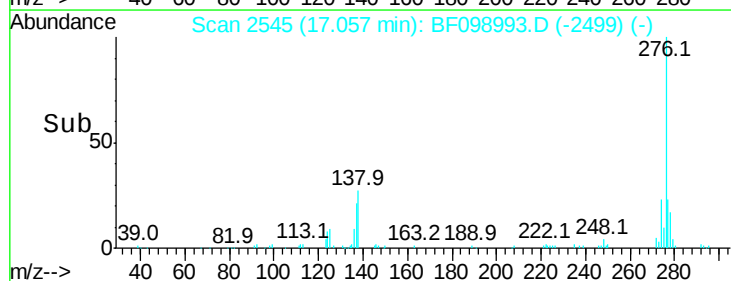
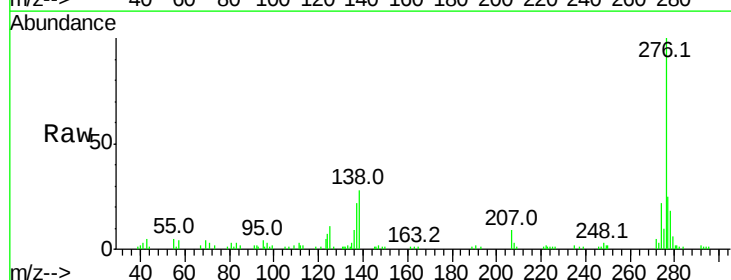
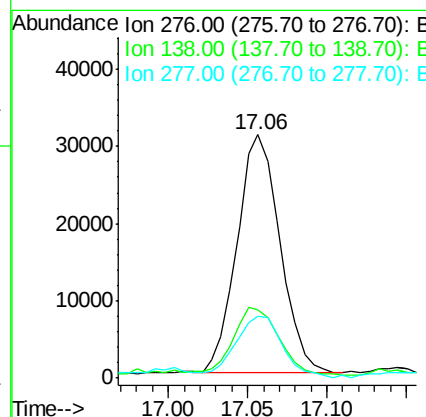
Manual Integrations
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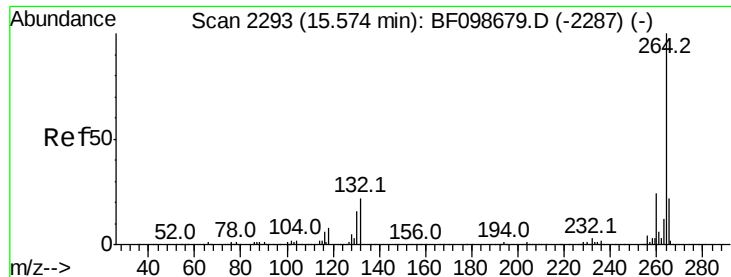
Sohil
10/2/2017 5:49:16 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.824 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.03 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	28.7	20.1	30.1





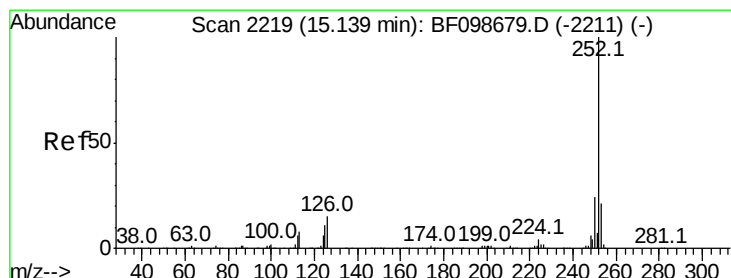
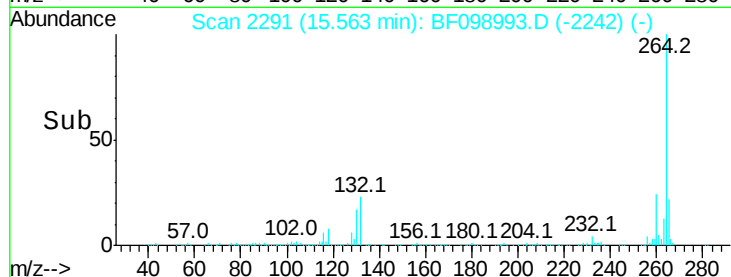
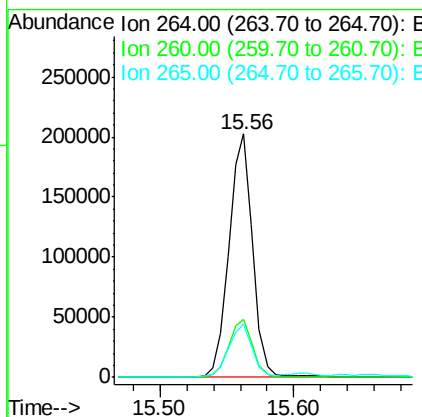
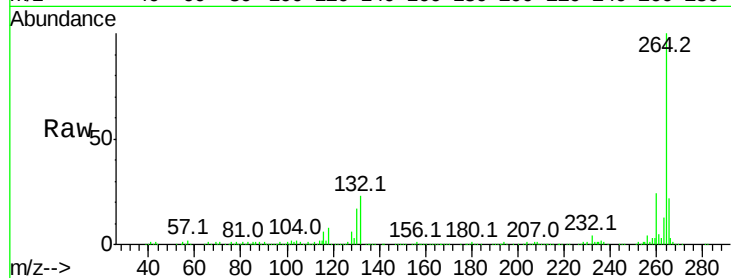
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.5	17.5	26.3

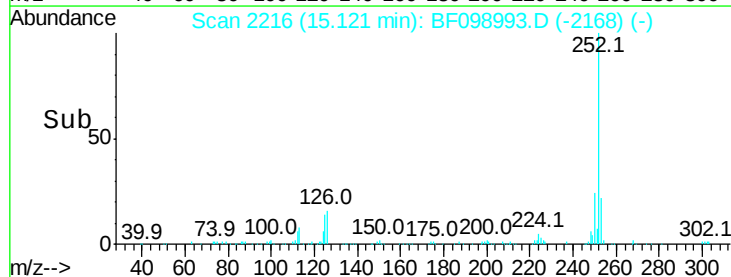
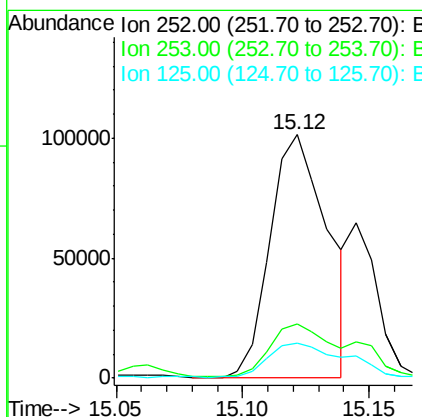
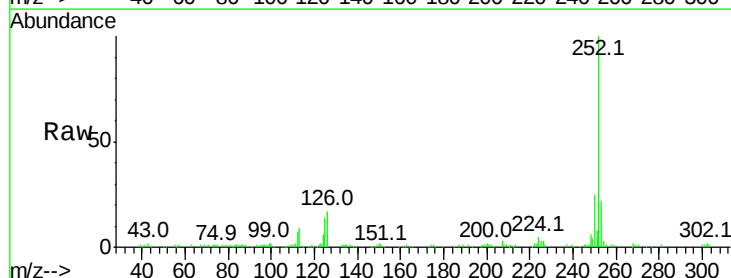
Manual Integrations
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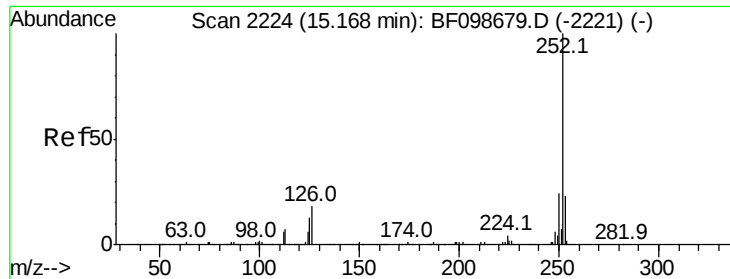
Sohil
10/2/2017 5:49:16 PM



#87
Benzo(b)fluoranthene
Concen: 10.485 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	14.3	9.0	13.6





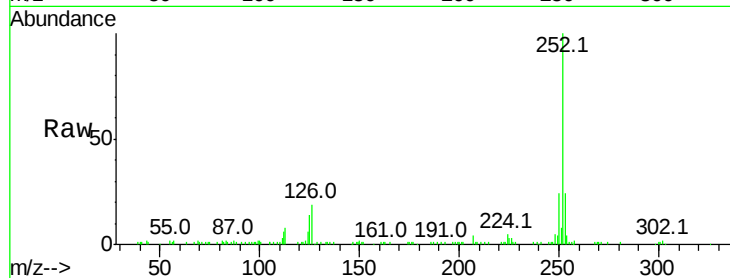
#88
Benzo(k)fluoranthene
Concen: 3.304 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3DL

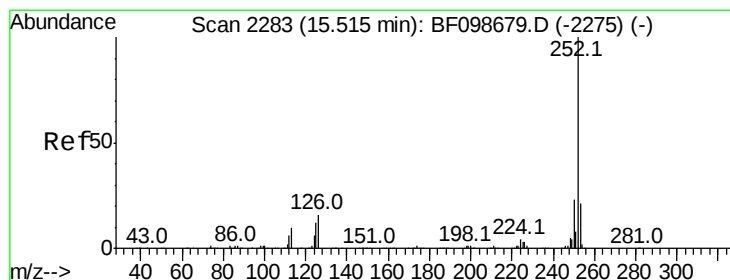
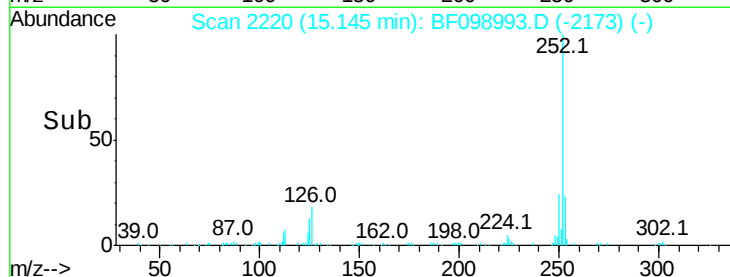
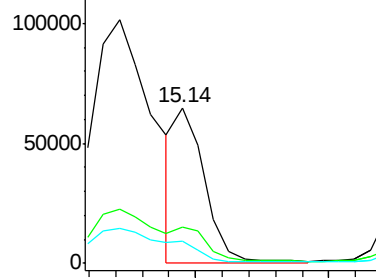
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.9	10.2	15.2

Manual Integrations
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Sohil
10/2/2017 5:49:16 PM



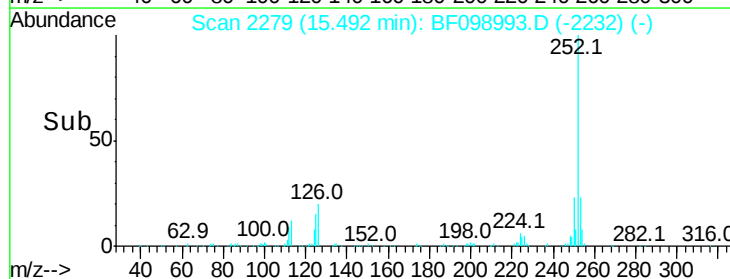
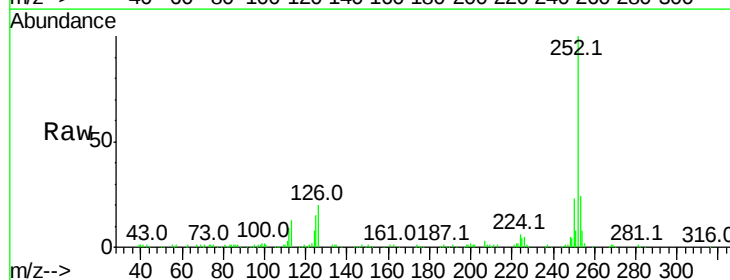
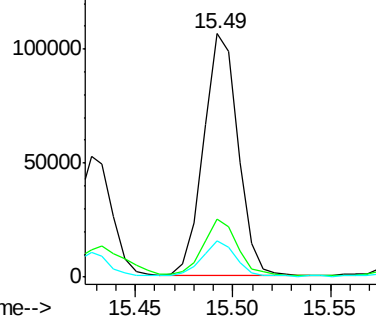
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

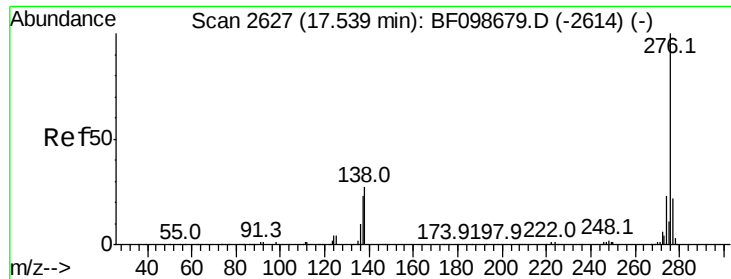


#89
Benzo(a)pyrene
Concen: 9.227 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF098993.D
Acq: 1 Oct 2017 15:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	15.1	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: 4.570 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. -0.04 min
 Lab File: BF098993.D
 Acq: 1 Oct 2017 15:44

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-3DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	20.6	17.9	26.9
138	31.2	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 10/2/2017 5:49:16 PM

