

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
 Data File : BF098995.D
 Acq On : 1 Oct 2017 16:40
 Operator : SJ/JU
 Sample : I5563-05DL 500X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-5DL

Manual Integrations
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Quant Time: Oct 02 07:39:48 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	135881	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	578071	20.00	ng	-0.02
38) Acenaphthene-d10	9.95	164	268754	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	474368	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	280883	20.00	ng	-0.02
86) Perylene-d12	15.56	264	224850	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1910	0.22	ng	-0.03
7) Phenol-d6	6.52	99	2641	0.25	ng	-0.03
23) Nitrobenzene-d5	7.46	82	1937	0.21	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	525	0.24	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	4305	0.27	ng	-0.02
78) Terphenyl-d14	13.01	244	3930	0.32	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.21	128	2072790	76.346	ng	99
37) 2-Methylnaphthalene	8.90	142	404196	22.901	ng	99
45) 1,1'-Biphenyl	9.36	154	114852	4.972	ng	98
51) Acenaphthene	9.97	154	405392	24.106	ng	98
54) Dibenzofuran	10.15	168	382954	17.103	ng	99
57) Fluorene	10.49	166	363414	20.193	ng	98
70) Phenanthrene	11.46	178	1372648	54.059	ng	99
71) Anthracene	11.51	178	508676	19.579	ng	98
72) Carbazole	11.66	167	127770	5.022	ng	98
74) Fluoranthene	12.65	202	918889	35.738	ng	99
77) Pyrene	12.87	202	739806	34.541	ng	100
80) Benzo(a)anthracene	14.06	228	260832m	15.336	ng	
82) Chrysene	14.10	228	189330	11.692	ng	97
85) Indeno(1,2,3-cd)pyrene	17.06	276	77314	5.969	ng	97
87) Benzo(b)fluoranthene	15.12	252	198667m	14.370	ng	
88) Benzo(k)fluoranthene	15.14	252	58977m	4.319	ng	
89) Benzo(a)pyrene	15.49	252	154126	12.145	ng	# 97
91) Benzo(g,h,i)perylene	17.52	276	72133	7.185	ng	93

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

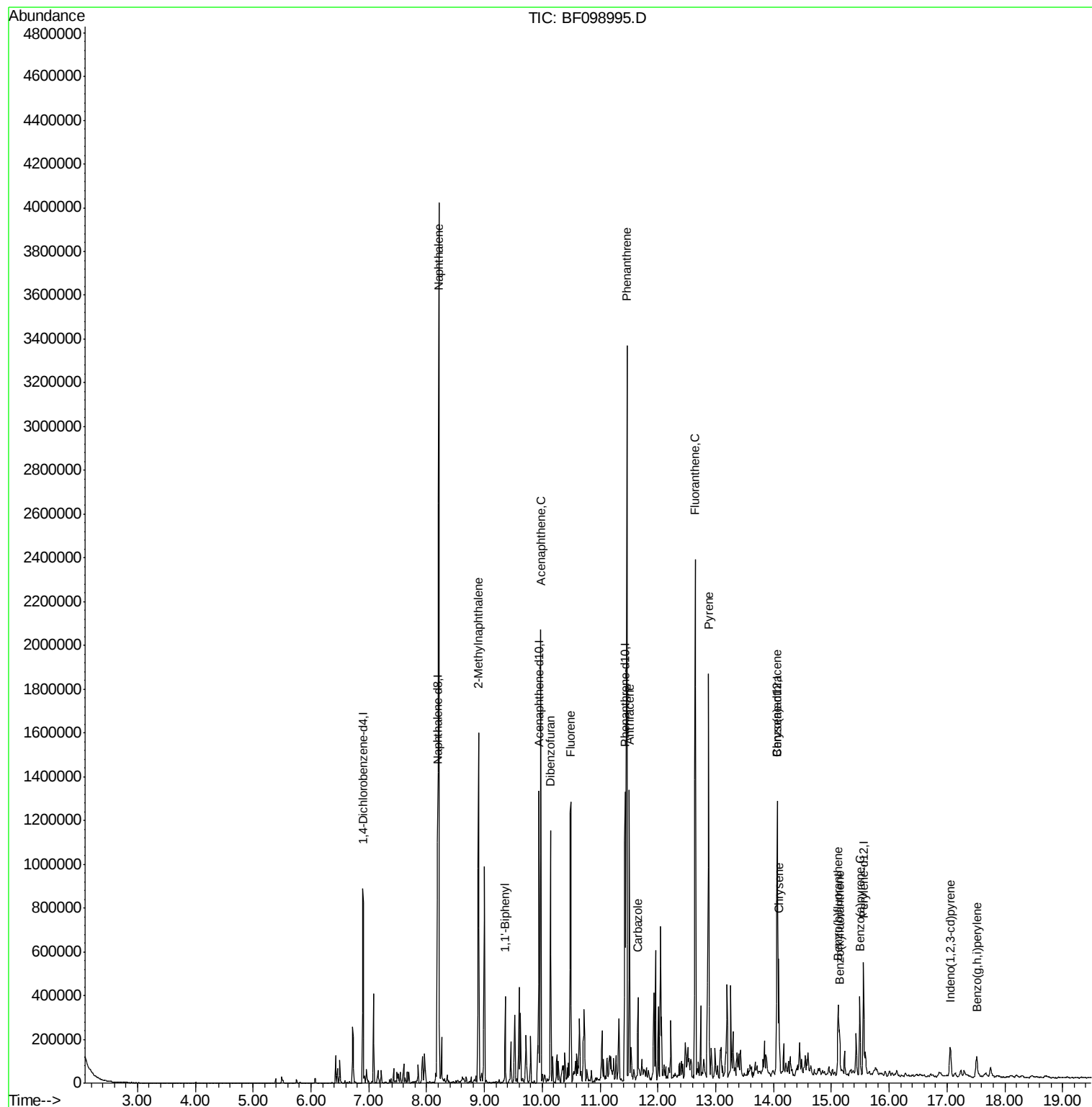
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
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ALS Vial : 13 Sample Multiplier: 1

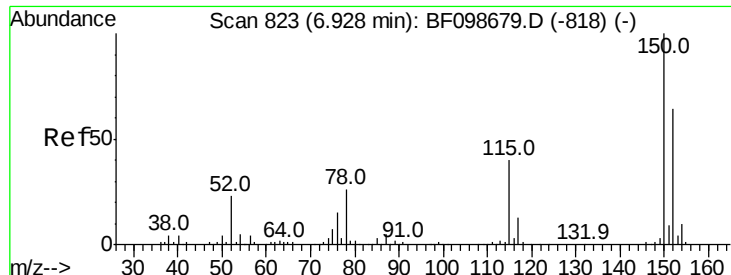
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#1

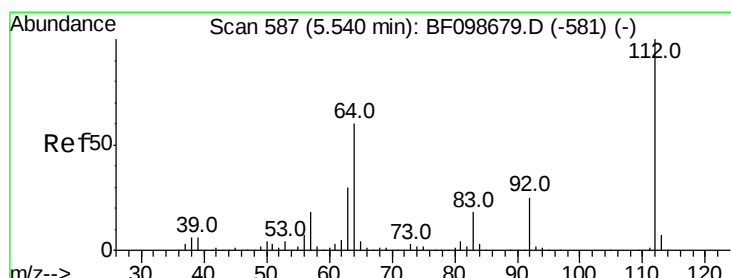
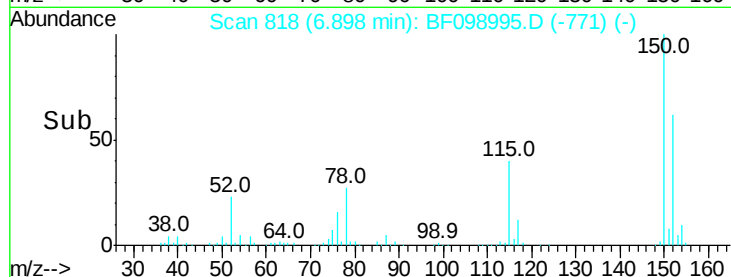
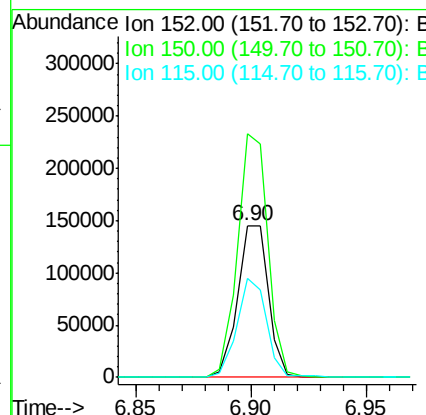
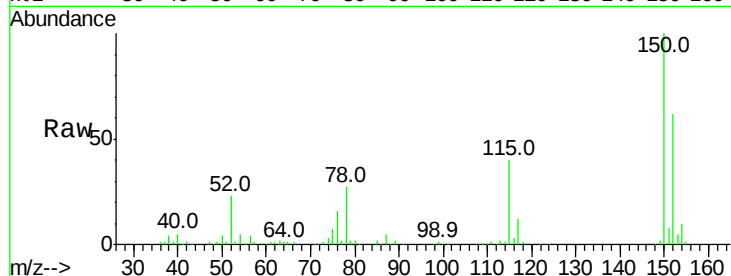
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.02 min
Lab File: BF098995.D
Acq: 1 Oct 2017 16:40

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	64.8	50.1	75.1

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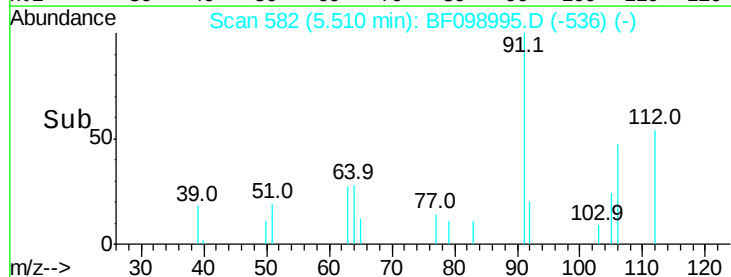
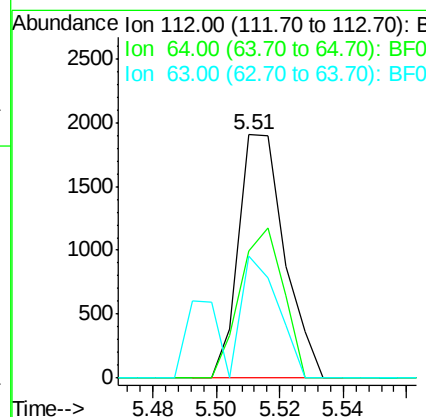
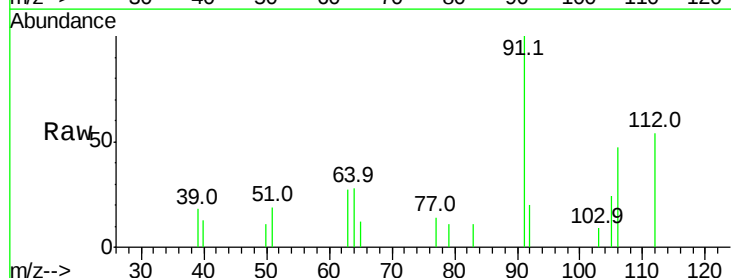
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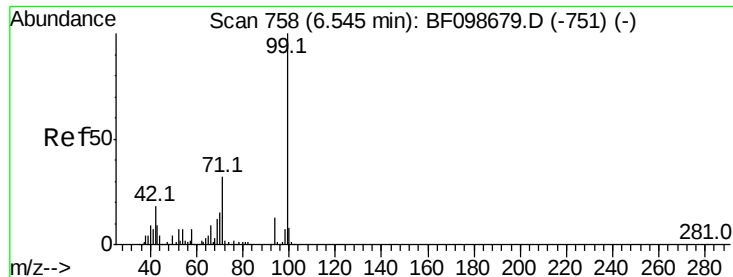


#5

2-Fluorophenol
Concen: 0.224 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.03 min
Lab File: BF098995.D
Acq: 1 Oct 2017 16:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	47.9	71.9
63	50.0	23.7	35.5





#7

Phenol-d6

Concen: 0.251 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

Instrument :

BNA_F

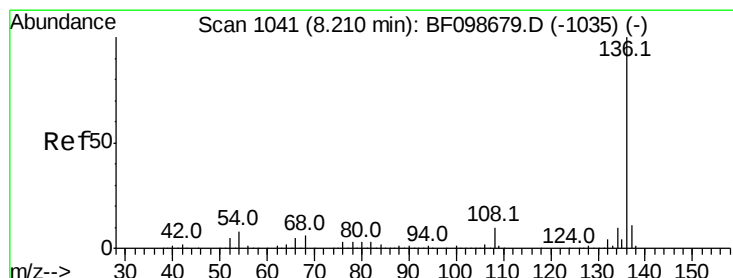
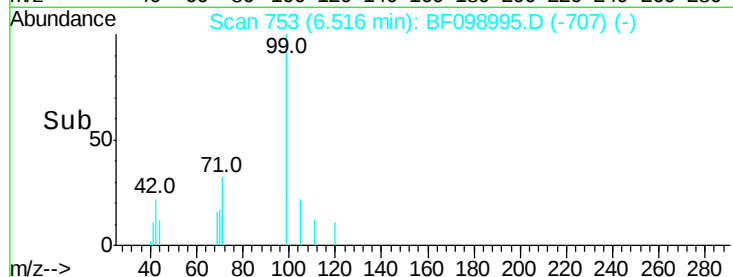
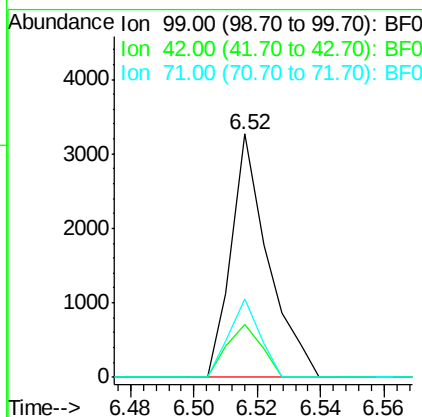
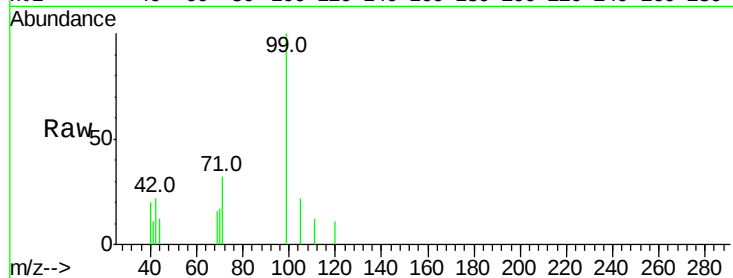
ClientSampleId :

NYSEG-PH4-SB-ESMI-5DL

Tot Ion:	99	Resp:	2641
Ion Ratio	Lower	Upper	
99	100		
42	21.8	14.5	21.7#
71	32.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

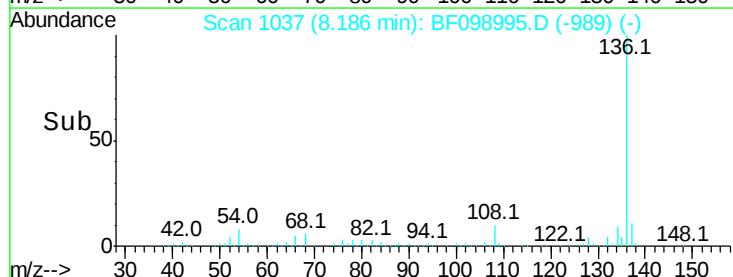
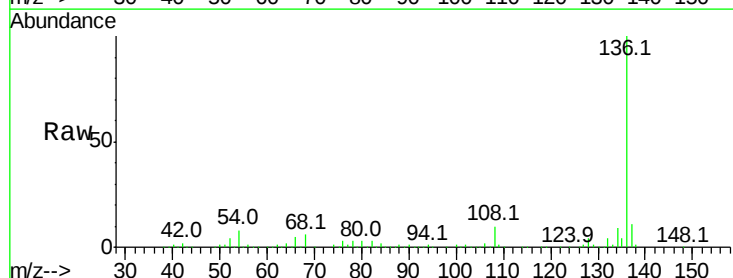
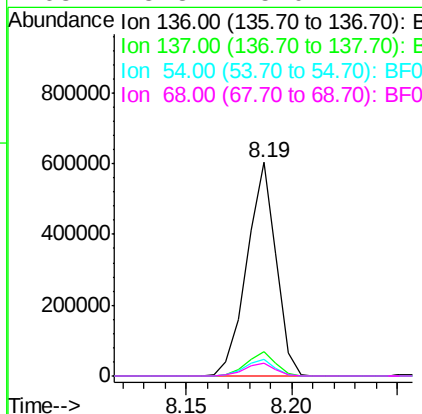
RT: 8.19 min Scan# 1037

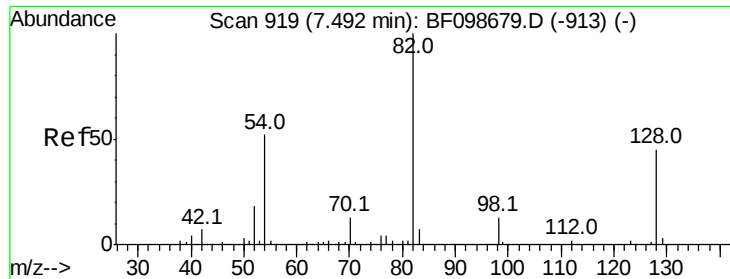
Delta R.T. -0.02 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

Tgt Ion:	136	Resp:	578071
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.6	6.6	9.8
68	5.8	5.0	7.4





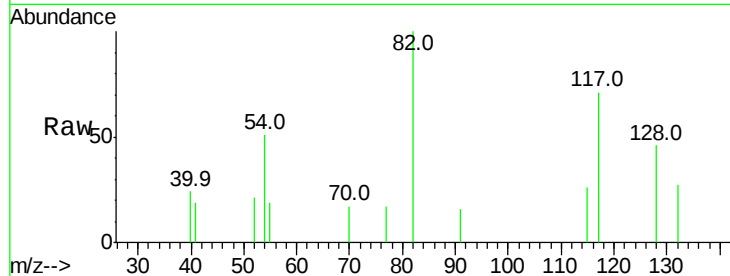
#23
Nitrobenzene-d5
Concen: 0.215 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.03 min
Lab File: BF098995.D
Acq: 1 Oct 2017 16:40

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-5DL

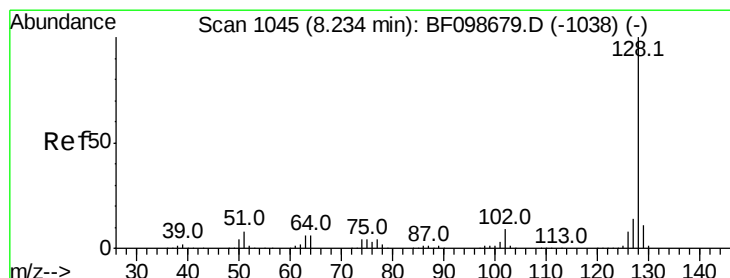
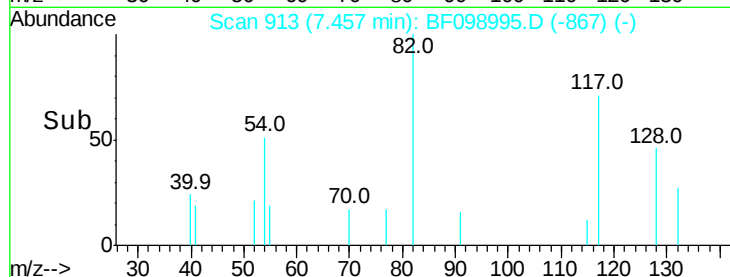
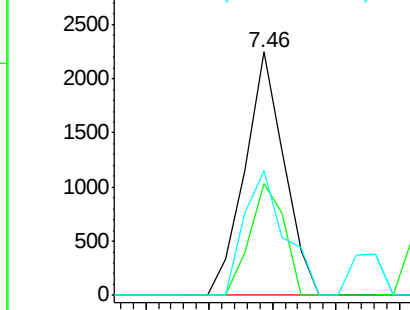
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	51.2	41.4	62.2

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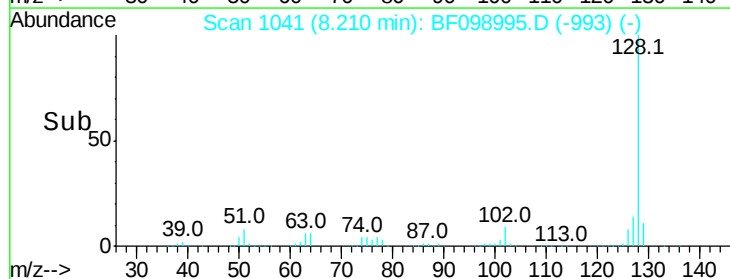
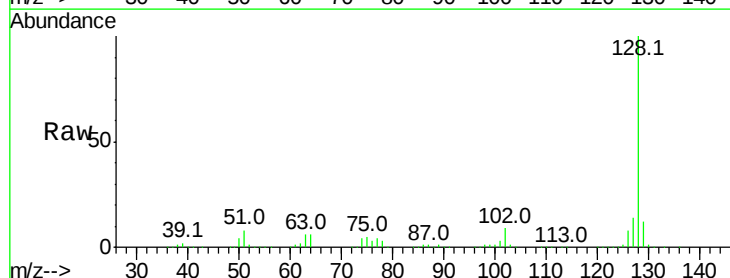
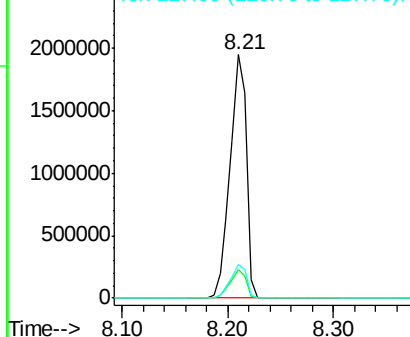
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

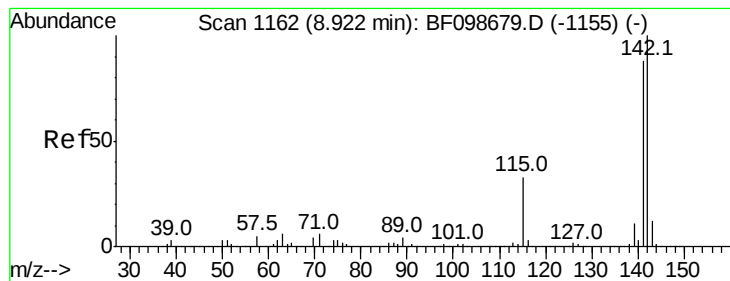


#31
Naphthalene
Concen: 76.346 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF098995.D
Acq: 1 Oct 2017 16:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.9	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 22.901 ng

RT: 8.90 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

Instrument :

BNA_F

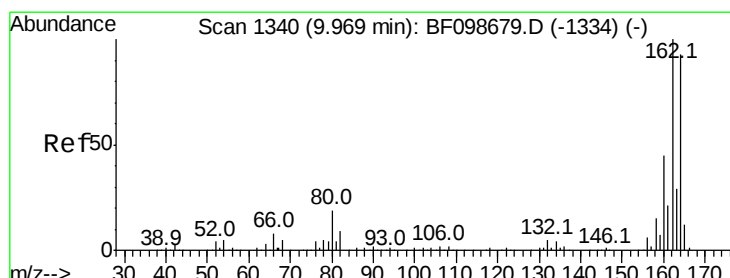
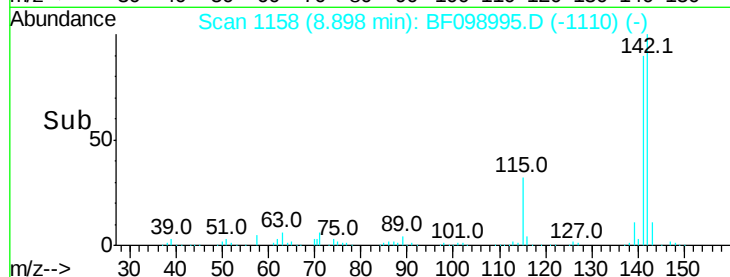
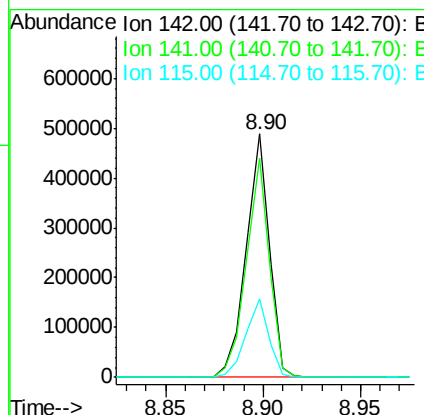
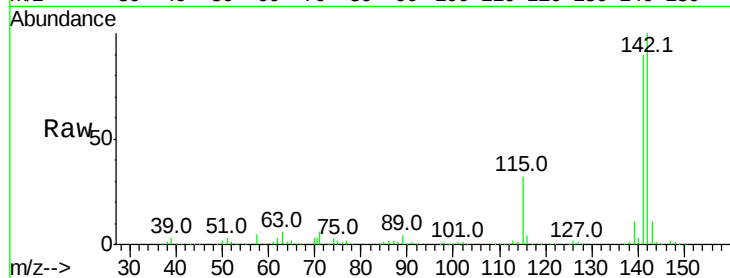
ClientSampleId :

NYSEG-PH4-SB-ESMI-5DL

Tot Ion:	142	Resp:	404196
Ion Ratio	Lower	Upper	
142	100		
141	89.8	70.8	106.2
115	32.2	26.1	39.1

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#38

Acenaphthene-d10

Concen: 20.000 ng

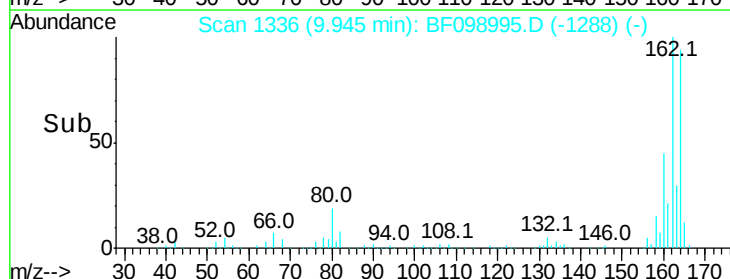
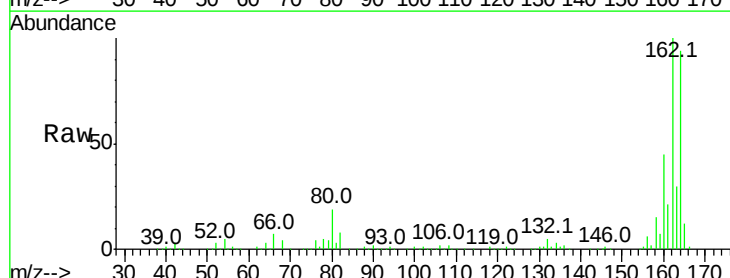
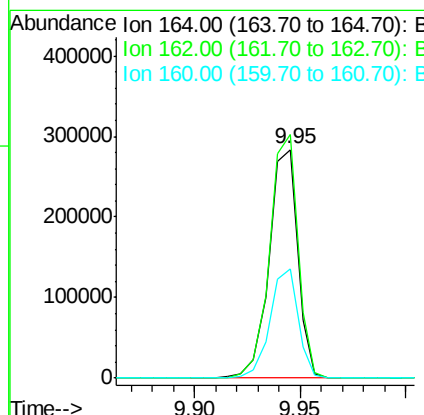
RT: 9.95 min Scan# 1336

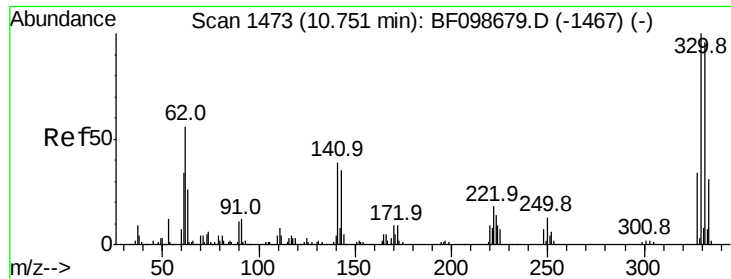
Delta R.T. -0.02 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

Tgt Ion:	164	Resp:	268754
Ion Ratio	Lower	Upper	
164	100		
162	106.5	86.1	129.1
160	47.7	38.3	57.5





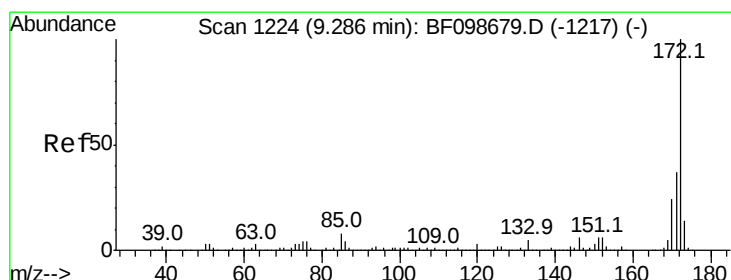
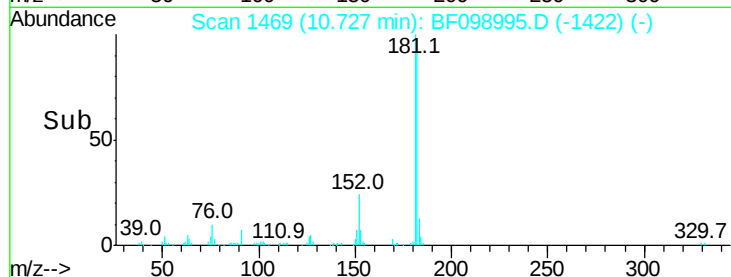
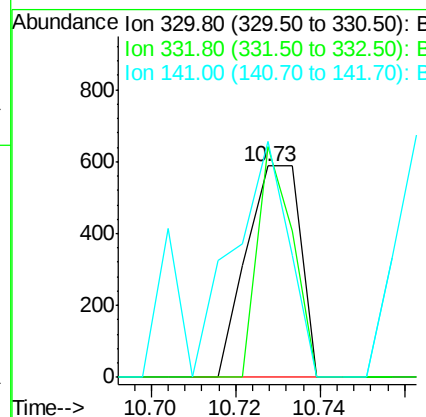
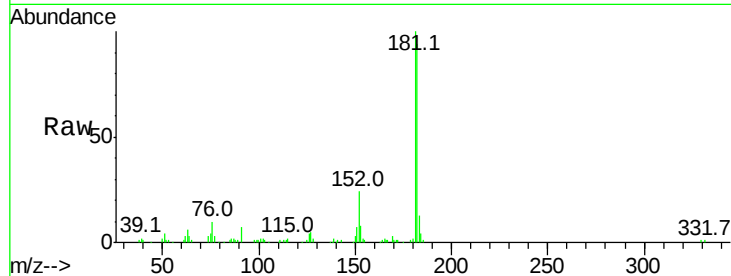
#41
 2,4,6-Tribromophenol
 Concen: 0.239 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.02 min
 Lab File: BF098995.D
 Acq: 1 Oct 2017 16:40

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-5DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	70.3	77.0	115.6#
141	113.7	29.9	44.9#

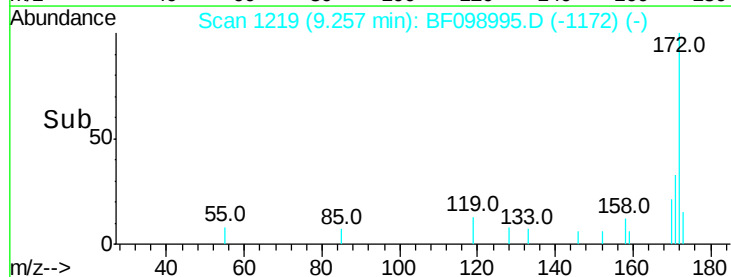
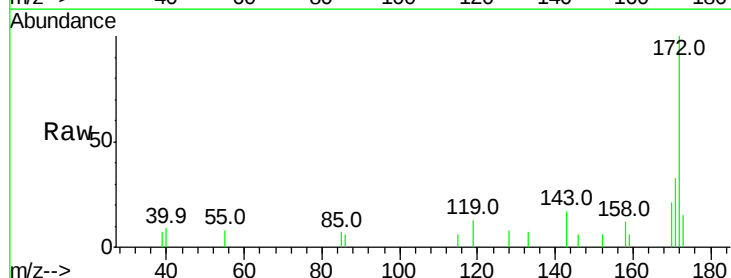
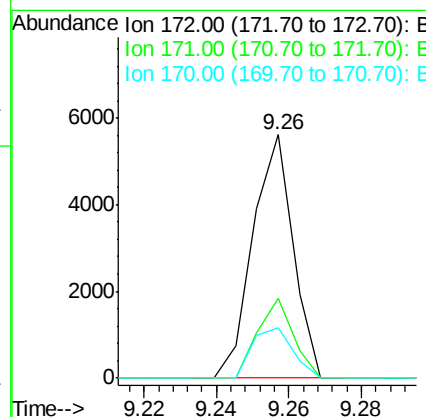
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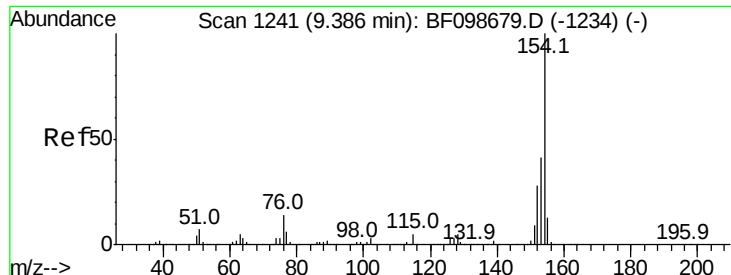
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#44
 2-Fluorobiphenyl
 Concen: 0.267 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: BF098995.D
 Acq: 1 Oct 2017 16:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.6	29.7	44.5
170	20.7	19.6	29.4





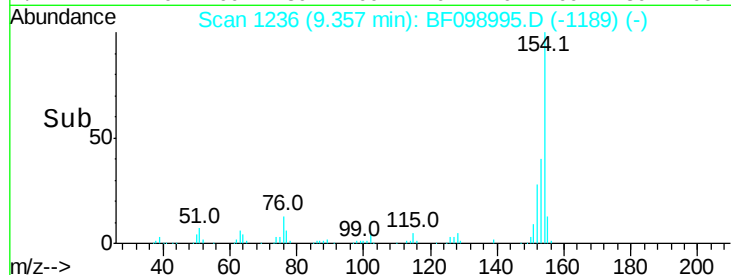
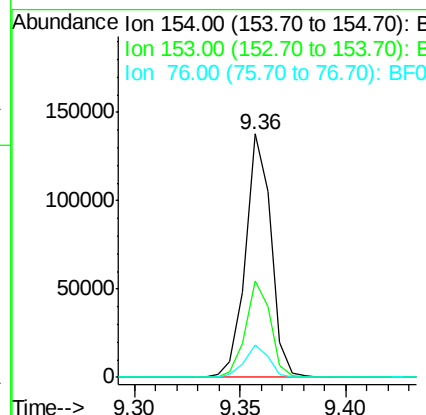
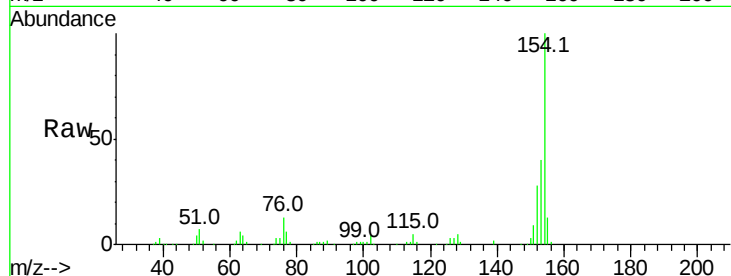
#45
 1,1'-Biphenyl
 Concen: 4.972 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.02 min
 Lab File: BF098995.D
 Acq: 1 Oct 2017 16:40

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-5DL

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	39.8	21.3	61.3	
76	13.4	0.0	34.0	

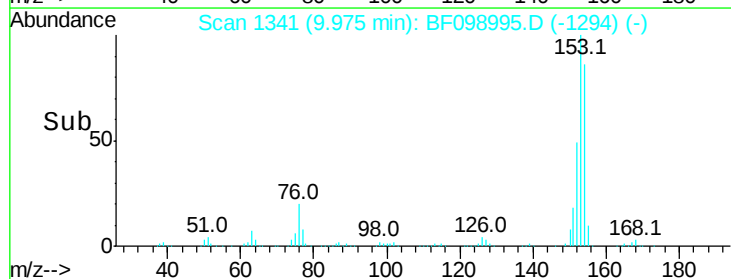
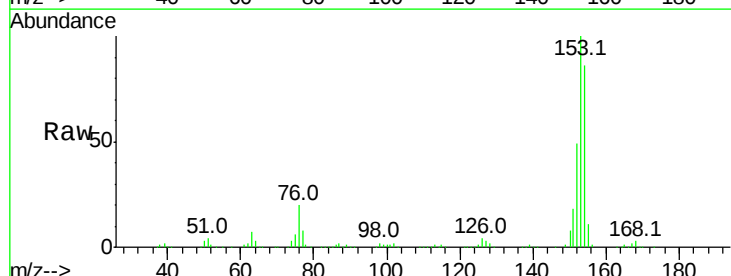
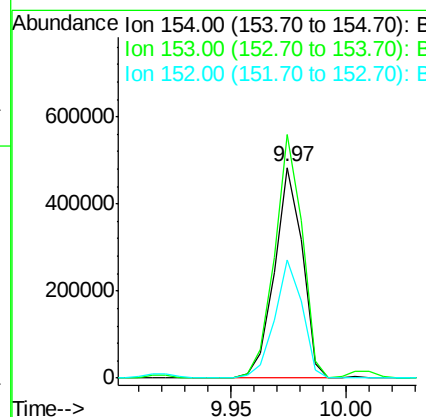
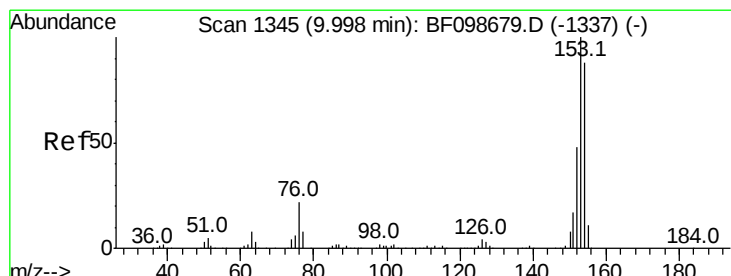
Manual Integrations
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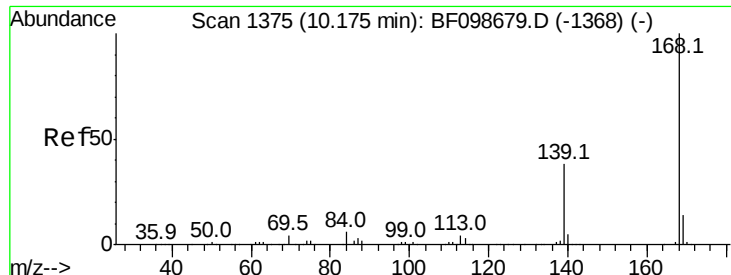
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#51
 Acenaphthene
 Concen: 24.106 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.02 min
 Lab File: BF098995.D
 Acq: 1 Oct 2017 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	115.8	91.2	136.8	
152	56.3	43.8	65.8	





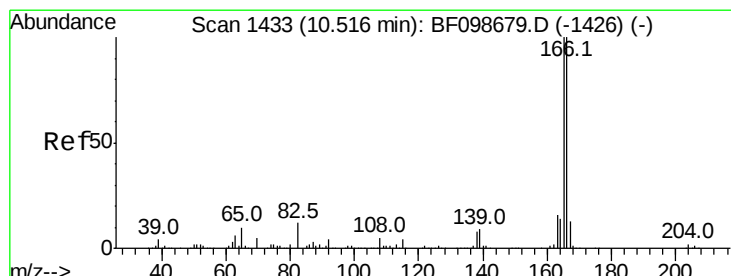
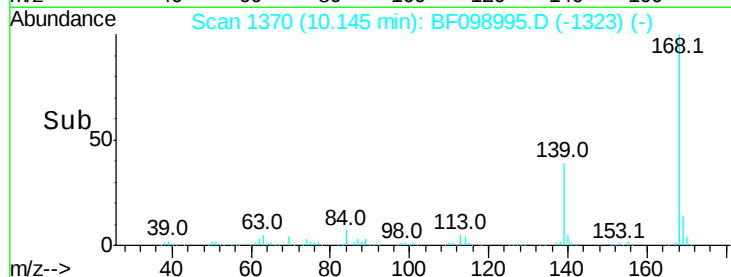
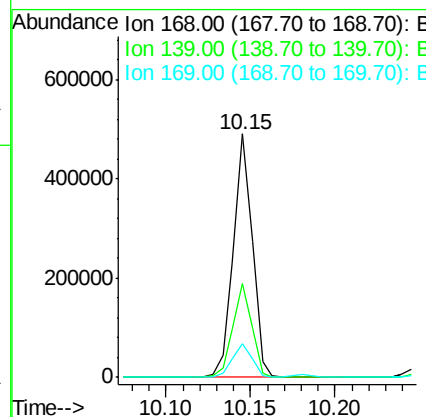
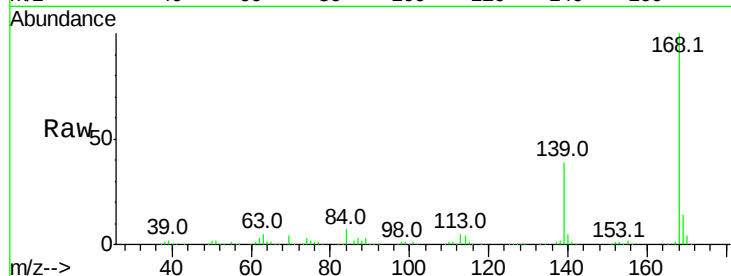
#54
Dibenzenofuran
Concen: 17.103 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.02 min
Lab File: BF098995.D
Acq: 1 Oct 2017 16:40

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-5DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	382954		
139	38.5		30.1	45.1
169	14.0		10.9	16.3

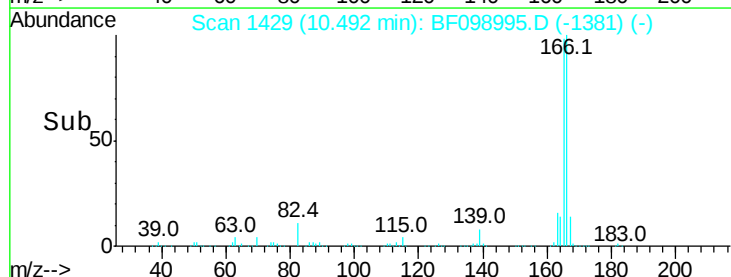
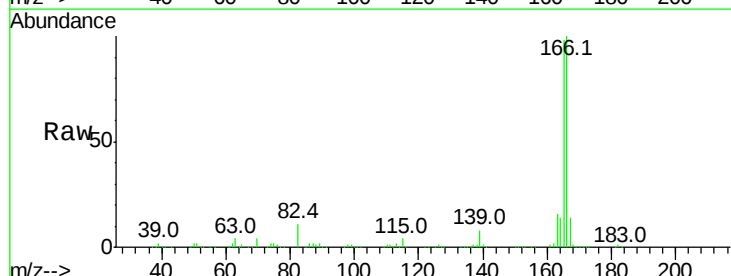
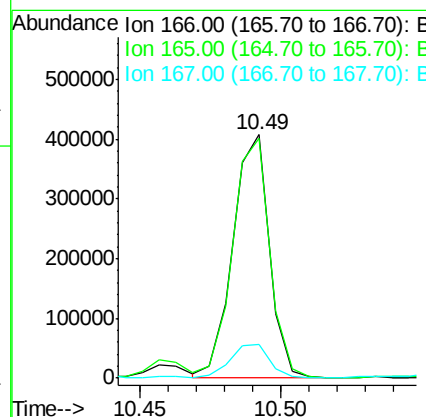
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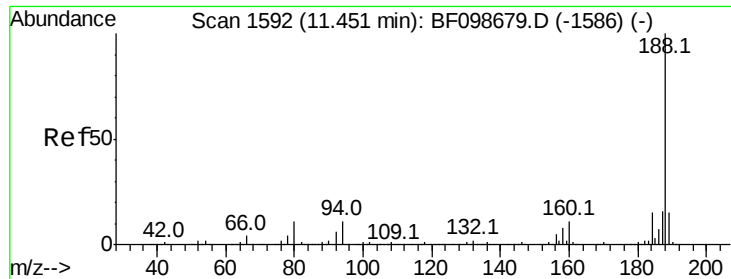
Sohil
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#57
Fluorene
Concen: 20.193 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.02 min
Lab File: BF098995.D
Acq: 1 Oct 2017 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	363414		
165	98.3		79.8	119.8
167	13.9		10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

Instrument :

BNA_F

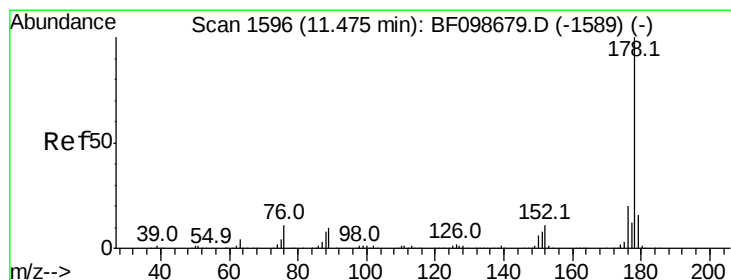
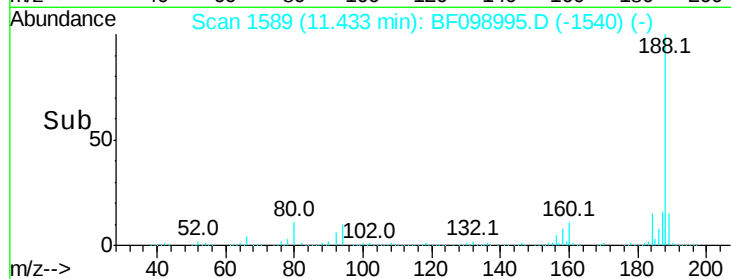
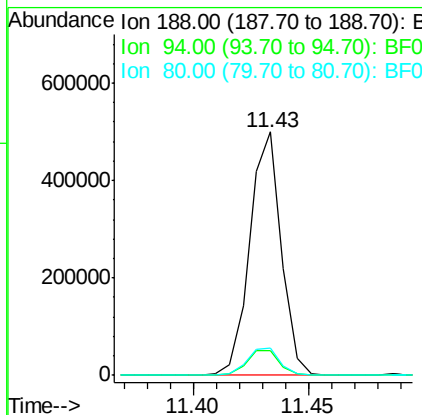
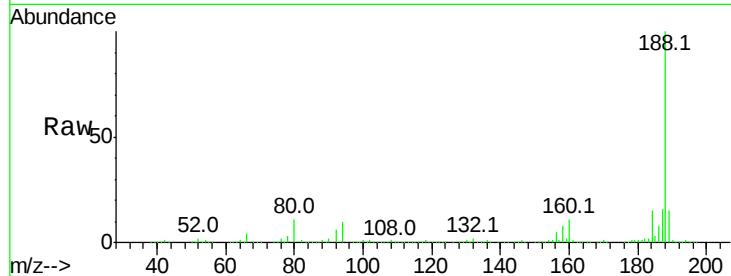
ClientSampleId :

NYSEG-PH4-SB-ESMI-5DL

Tot Ion:	188	Resp:	474368
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.5	12.7
80	11.1	9.2	13.8

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#70

Phenanthrene

Concen: 54.059 ng

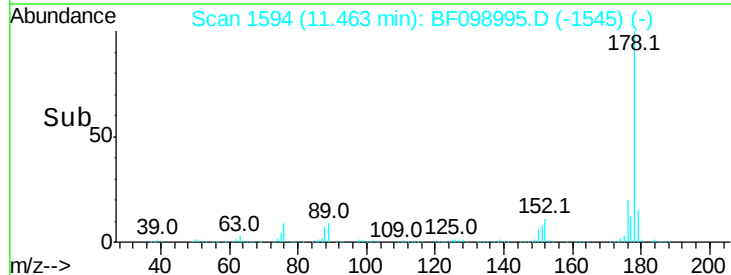
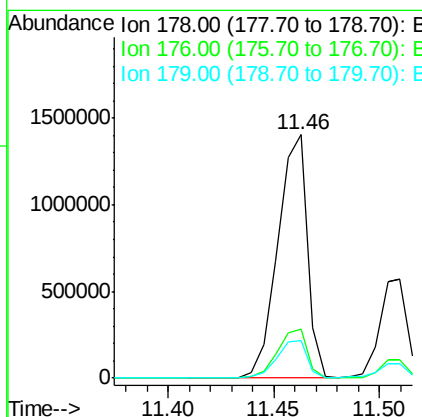
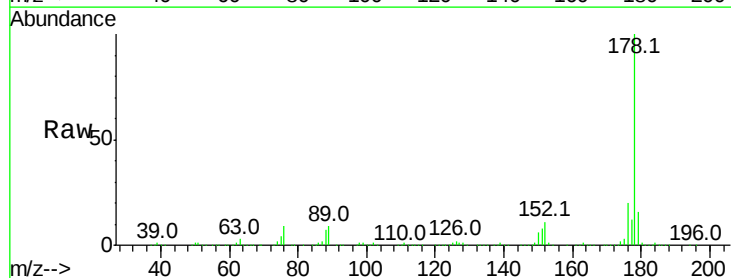
RT: 11.46 min Scan# 1594

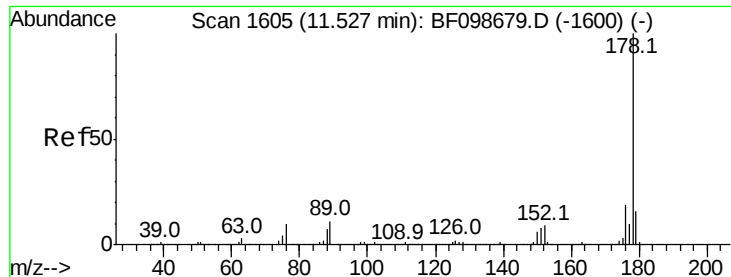
Delta R.T. -0.01 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

Tgt Ion:	178	Resp:	1372648
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	15.5	13.0	19.6





#71

Anthracene

Concen: 19.579 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.02 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-5DL

Tot Ion:178 Resp: 508676

Ion Ratio Lower Upper

178 100

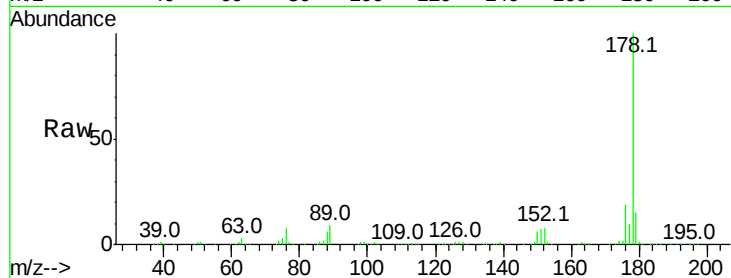
176 18.6 15.4 23.2

179 15.1 12.6 19.0

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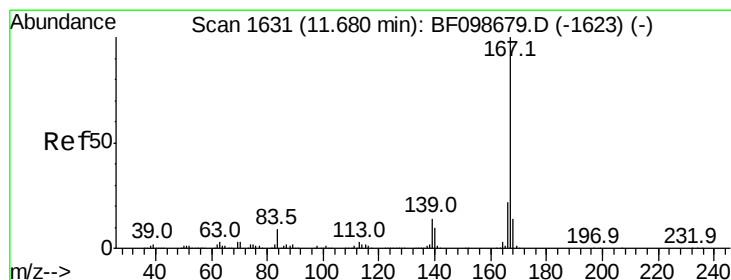
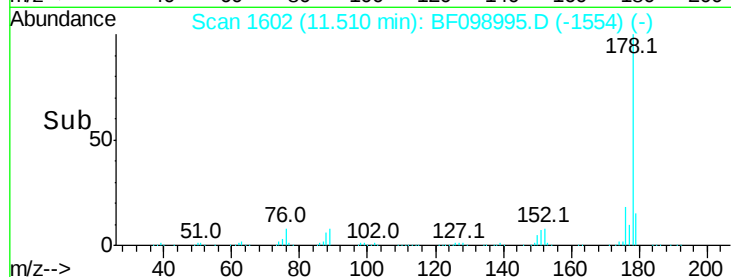
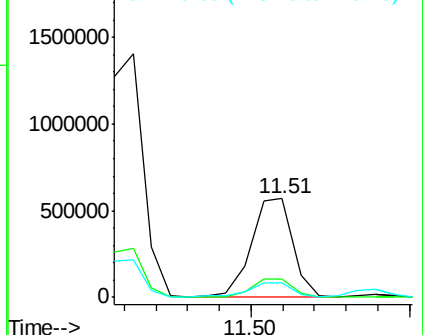
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 5.022 ng

RT: 11.66 min Scan# 1627

Delta R.T. -0.02 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

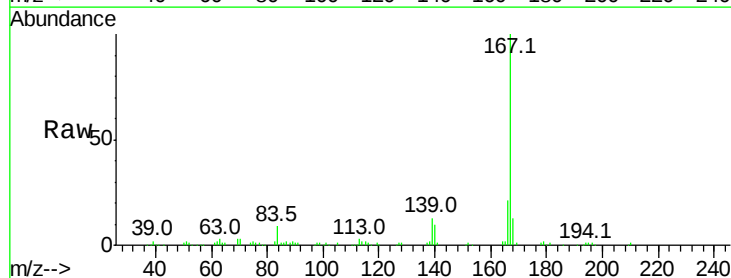
Tgt Ion:167 Resp: 127770

Ion Ratio Lower Upper

167 100

166 20.9 17.6 26.4

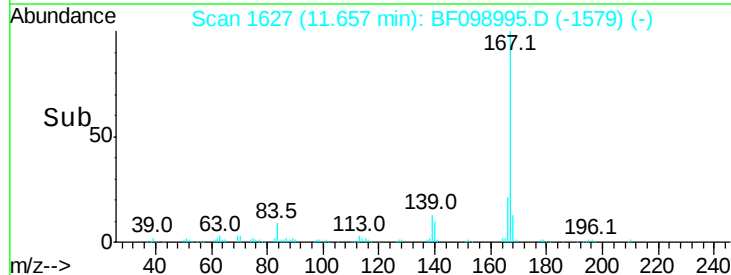
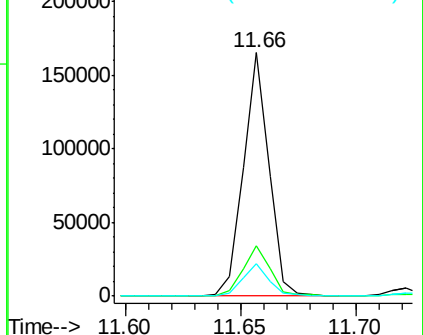
139 13.3 10.9 16.3

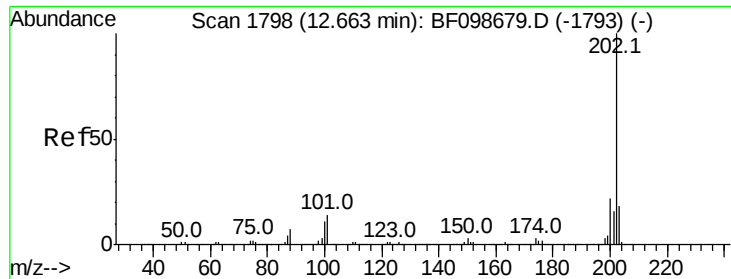


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 35.738 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

Instrument :

BNA_F

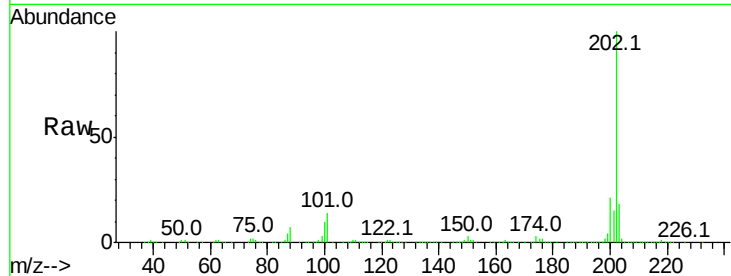
ClientSampleId :

NYSEG-PH4-SB-ESMI-5DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.3	0.0	34.1
203	17.7	0.0	38.1

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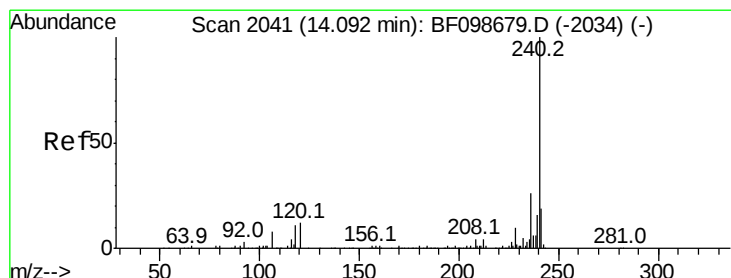
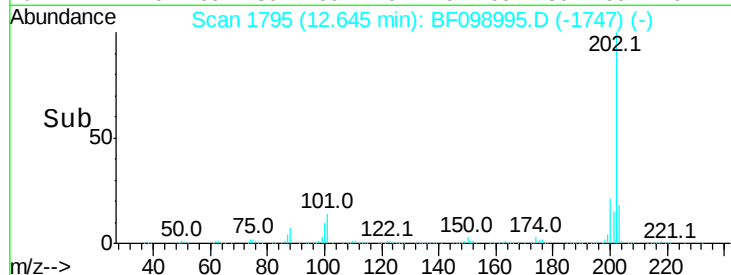
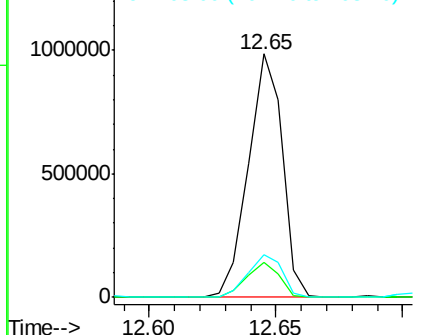
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Abundance Ion 202.00 (201.70 to 202.70): E

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: BF098995.D

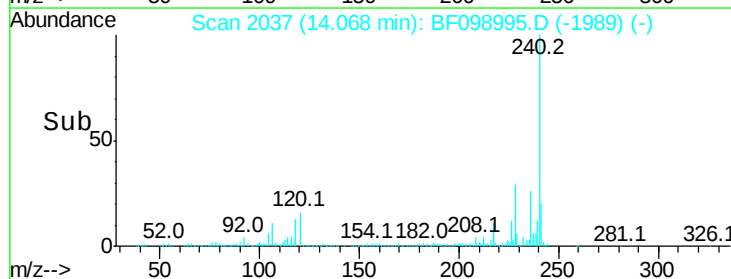
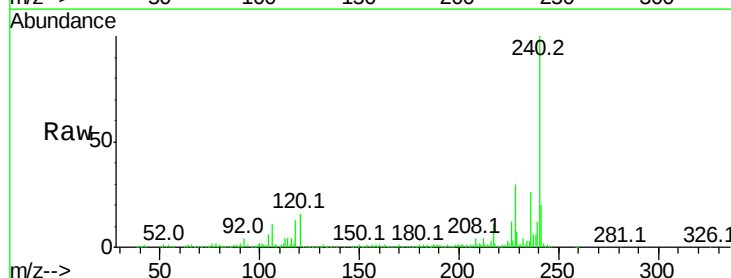
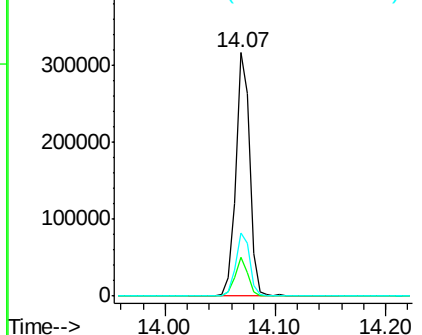
Acq: 1 Oct 2017 16:40

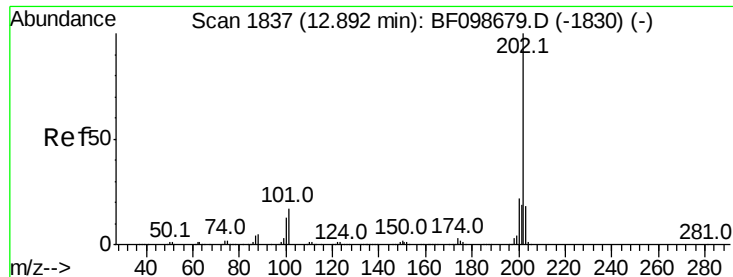
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.7	9.5	14.3#
236	25.7	20.7	31.1

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

Pvrene

Concen: 34.541 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

Instrument :

BNA_F

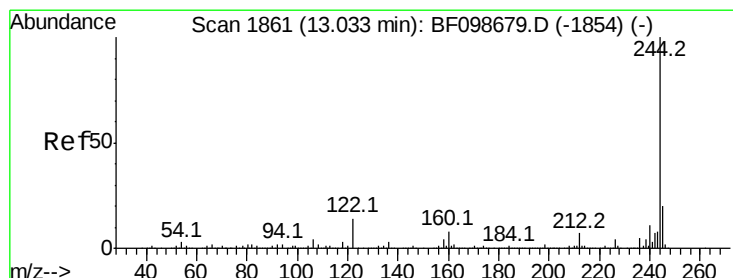
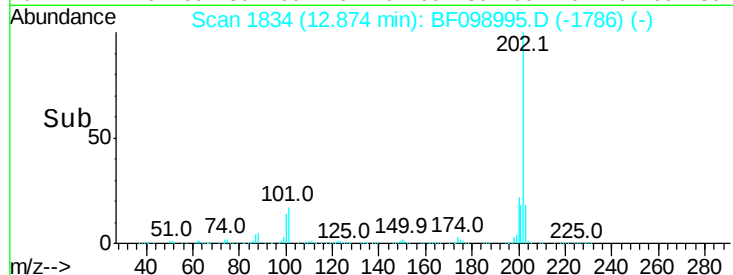
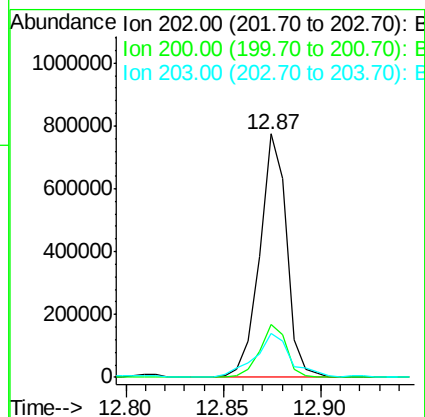
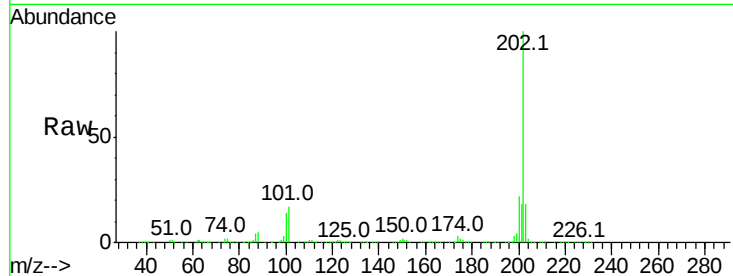
ClientSampleId :

NYSEG-PH4-SB-ESMI-5DL

Tot Ion:	202	Resp:	739806
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 0.318 ng

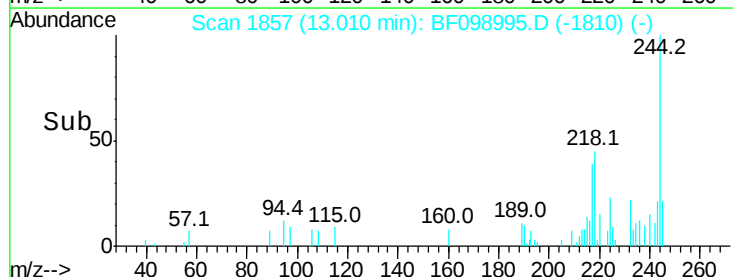
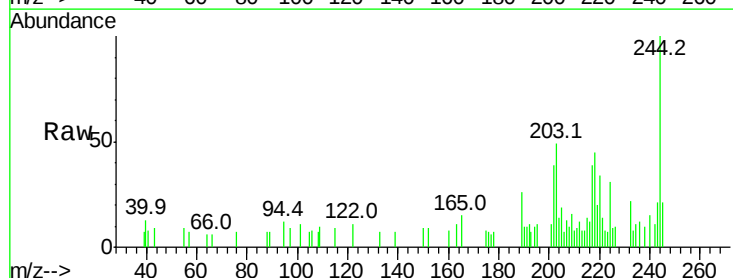
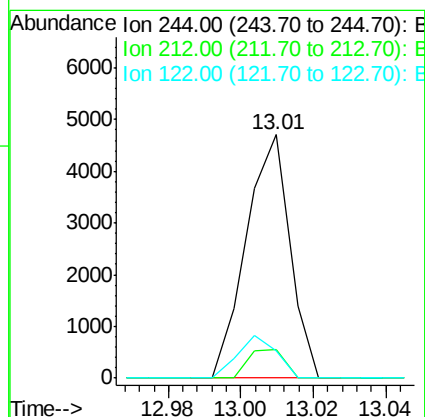
RT: 13.01 min Scan# 1857

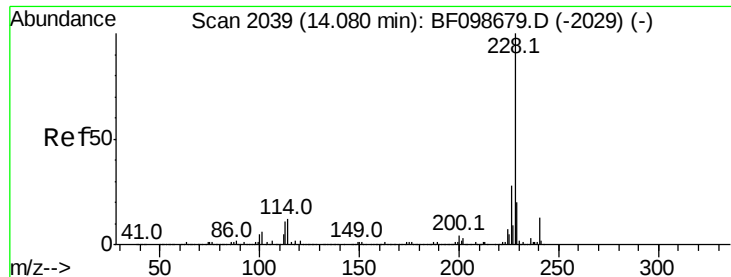
Delta R.T. -0.02 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

Tgt Ion:	244	Resp:	3930
Ion Ratio	Lower	Upper	
244	100		
212	11.9	5.4	8.0#
122	11.1	11.0	16.4





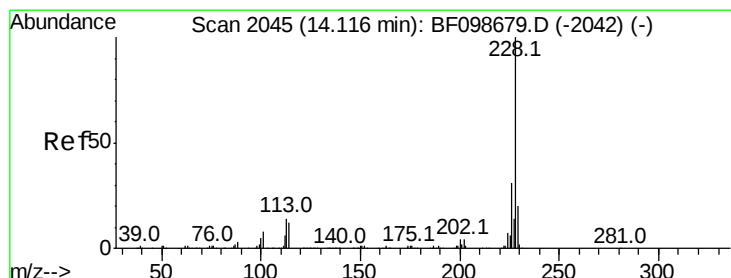
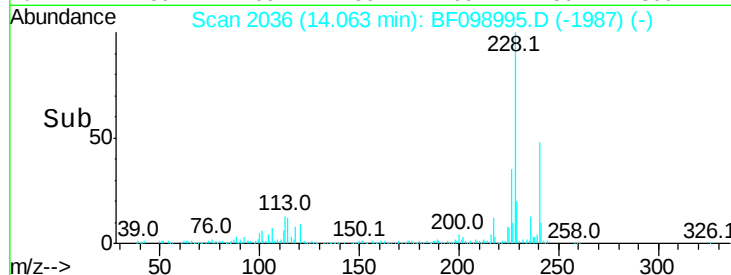
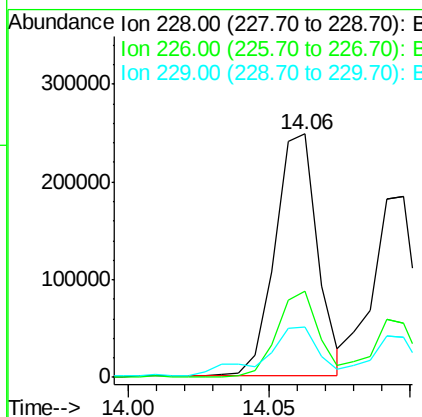
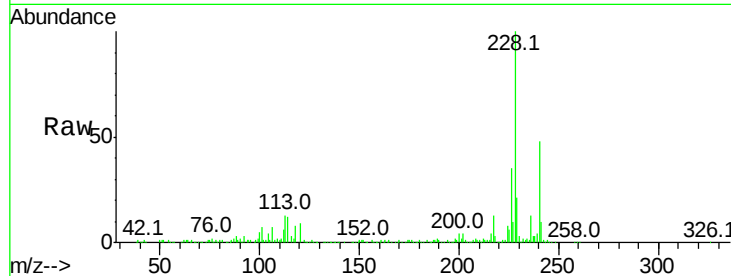
#80
Benzo(a)anthracene
Concen: 15.336 ng m
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF098995.D
Acq: 1 Oct 2017 16:40

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-5DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.4	22.6	33.8#
229	20.6	15.8	23.6

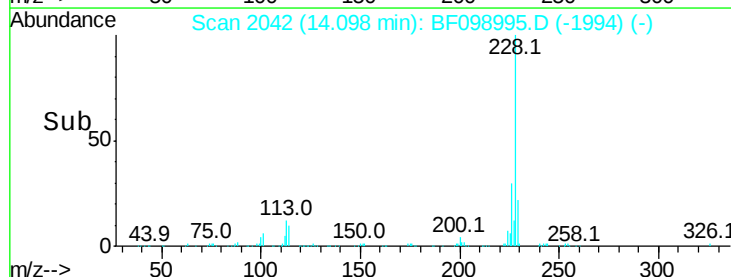
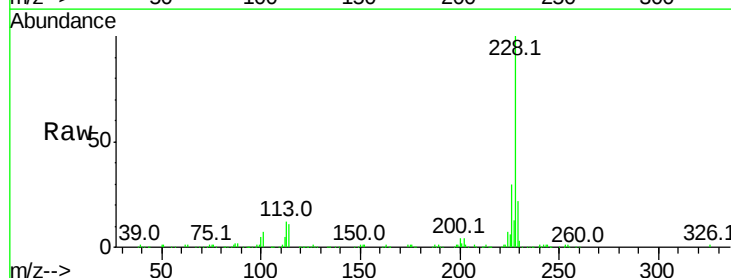
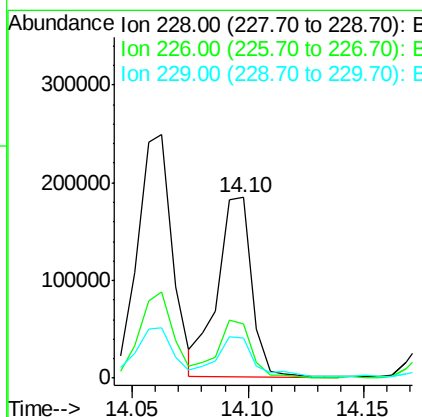
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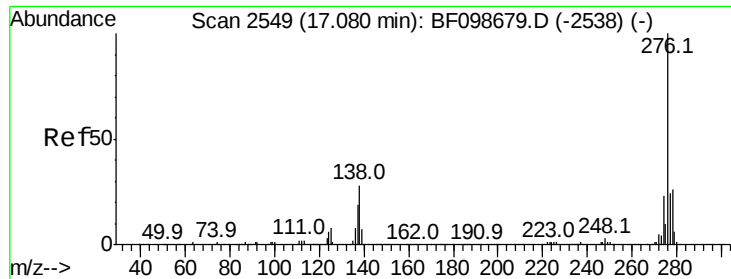
Sohil
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#82
Chrysene
Concen: 11.692 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF098995.D
Acq: 1 Oct 2017 16:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.1	16.2	24.4





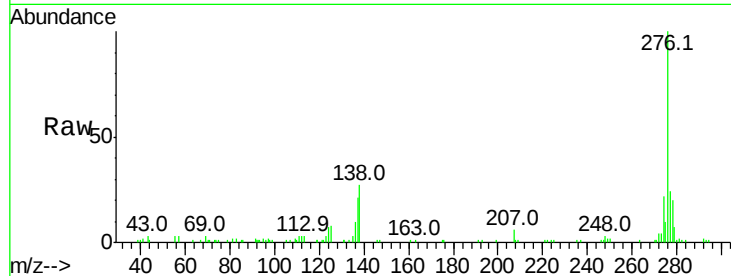
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.969 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. -0.03 min
 Lab File: BF098995.D
 Acq: 1 Oct 2017 16:40

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-5DL

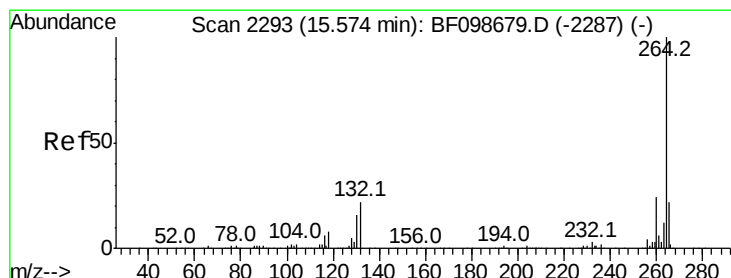
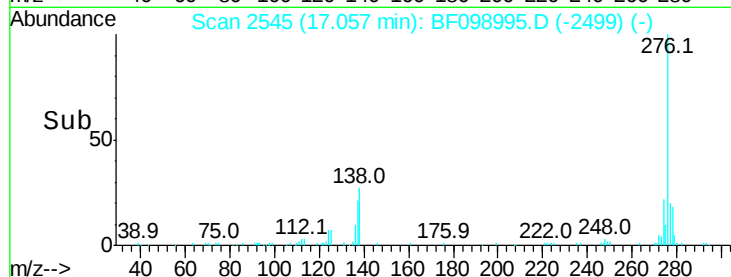
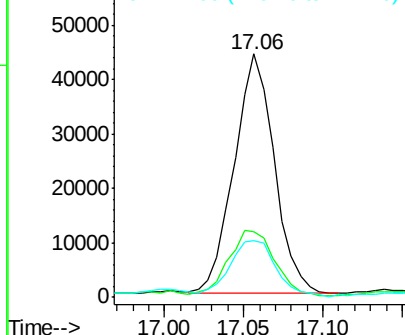
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.3	25.0	37.6
277	27.6	20.1	30.1

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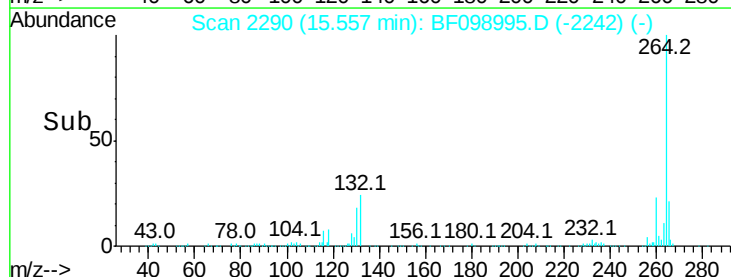
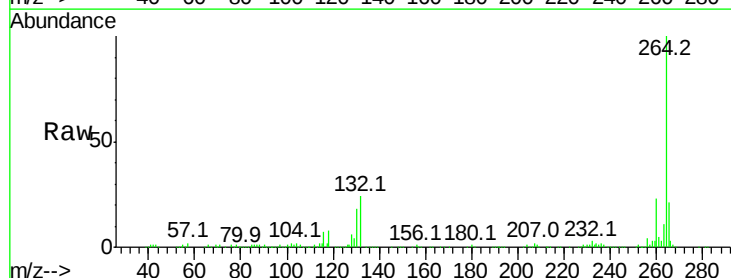
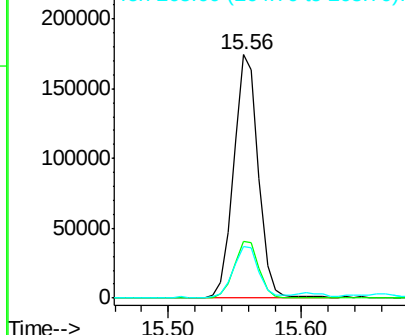
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

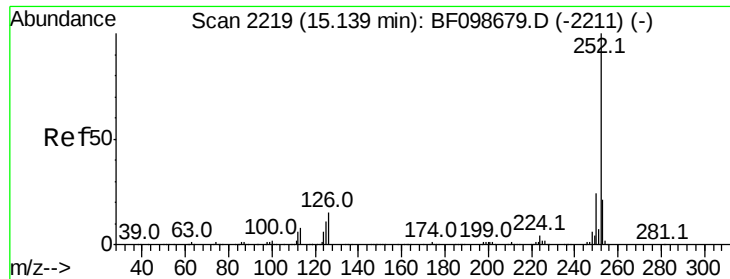


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. -0.02 min
 Lab File: BF098995.D
 Acq: 1 Oct 2017 16:40

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

Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 14.370 ng m

RT: 15.12 min Scan# 2216

Delta R.T. -0.02 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

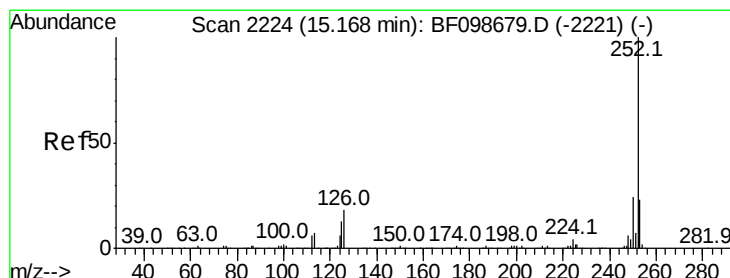
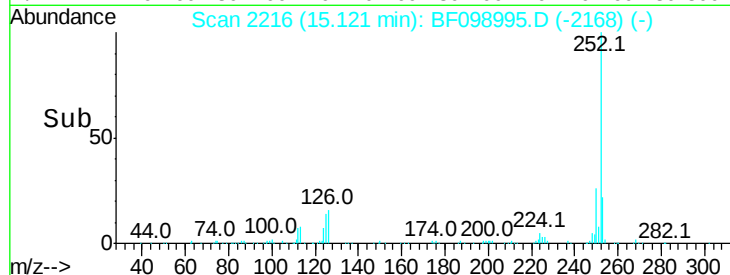
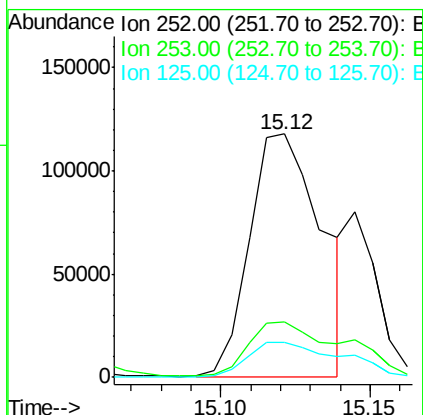
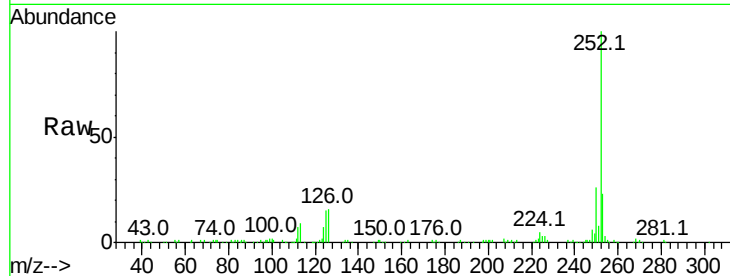
Instrument :
BNA_F

ClientSampleId :
NYSEG-PH4-SB-ESMI-5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	14.6	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 4.319 ng m

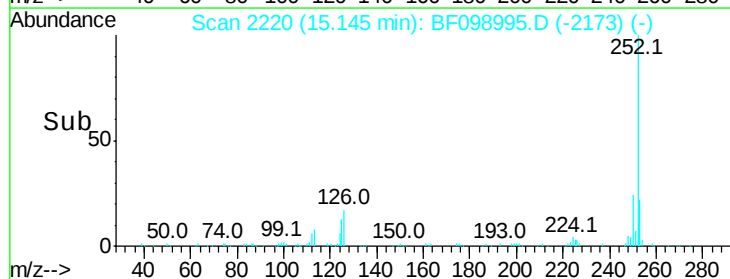
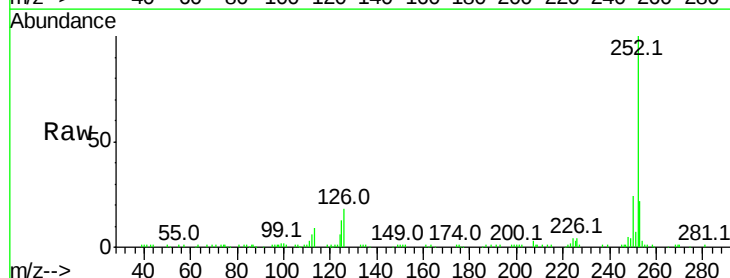
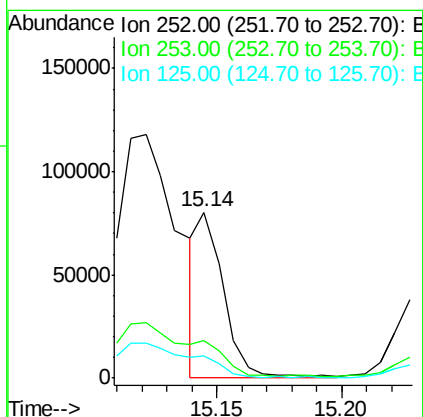
RT: 15.14 min Scan# 2220

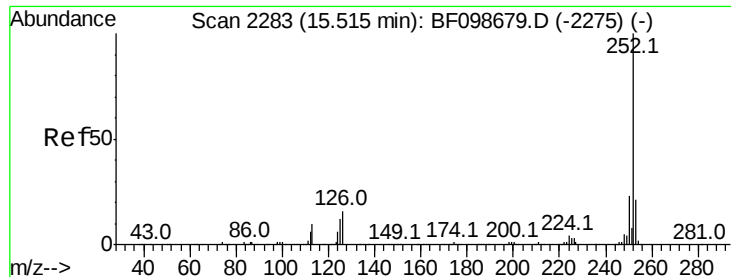
Delta R.T. -0.02 min

Lab File: BF098995.D

Acq: 1 Oct 2017 16:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	13.4	10.2	15.2





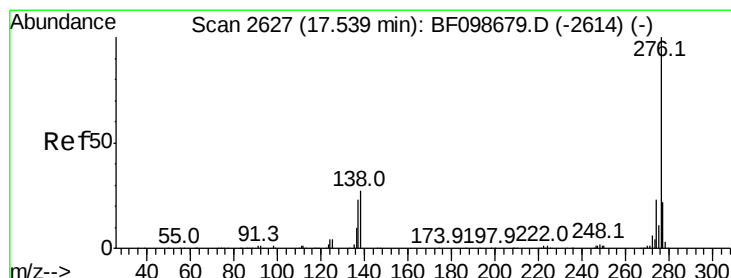
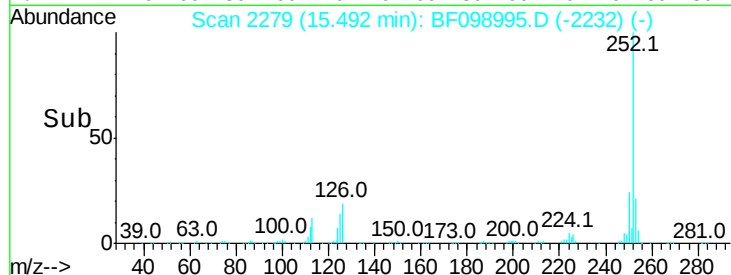
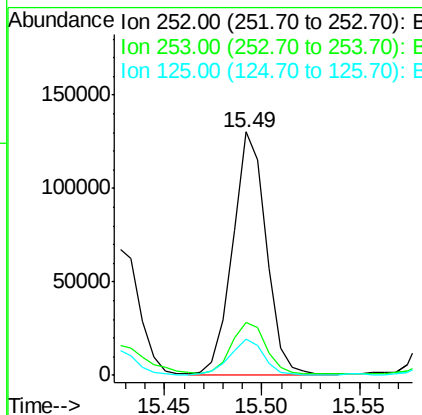
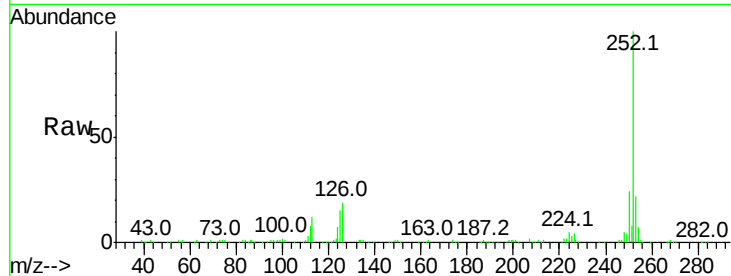
#89
Benzo(a)pyrene
Concen: 12.145 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF098995.D
Acq: 1 Oct 2017 16:40

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	14.7	9.8	14.6

Manual Integrations
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10/2/2017 5:49:20 PM



#91
Benzo(g,h,i)perylene
Concen: 7.185 ng
RT: 17.52 min Scan# 2623
Delta R.T. -0.03 min
Lab File: BF098995.D
Acq: 1 Oct 2017 16:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	31.5	21.8	32.8

