

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
 Data File : BF098395.D
 Acq On : 9 Sep 2017 19:35
 Operator : SJ/JU
 Sample : I5151-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-1

Manual Integrations
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Sohil
 9/11/2017 2:42:48 PM

Quant Time: Sep 11 06:02:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	98908	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	377052	20.00	ng	-0.03
38) Acenaphthene-d10	9.70	164	160730	20.00	ng	-0.04
63) Phenanthrene-d10	11.19	188	267201	20.00	ng	-0.04
75) Chrysene-d12	13.82	240	223688	20.00	ng	-0.04
86) Perylene-d12	15.23	264	208767	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	159730	24.56	ng	-0.02
7) Phenol-d6	6.32	99	217708	24.64	ng	-0.03
23) Nitrobenzene-d5	7.24	82	123318	17.77	ng	-0.04
41) 2,4,6-Tribromophenol	10.50	330	28950	20.76	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	215179	19.67	ng	-0.04
78) Terphenyl-d14	12.77	244	141186	13.16	ng	-0.04
Target Compounds						Qvalue
31) Naphthalene	7.98	128	322122	16.456	ng	99
37) 2-Methylnaphthalene	8.67	142	209805	17.482	ng	99
45) 1,1'-Biphenyl	9.13	154	56221	3.836	ng	96
51) Acenaphthene	9.74	154	206859	19.286	ng	99
54) Dibenzofuran	9.91	168	206827	14.388	ng	99
57) Fluorene	10.25	166	217777	19.595	ng	96
70) Phenanthrene	11.22	178	736107	51.699	ng	100
71) Anthracene	11.26	178	268037	18.560	ng	99
72) Carbazole	11.42	167	39044	2.848	ng	97
74) Fluoranthene	12.40	202	493524	33.208	ng	97
77) Pyrene	12.63	202	395486	21.617	ng	97
80) Benzo(a)anthracene	13.81	228	207529m	15.480	ng	
82) Chrysene	13.84	228	147143	11.033	ng	96
85) Indeno(1,2,3-cd)pyrene	16.56	276	50821m	5.180	ng	
87) Benzo(b)fluoranthene	14.83	252	176239m	13.393	ng	
88) Benzo(k)fluoranthene	14.85	252	50699m	4.101	ng	
89) Benzo(a)pyrene	15.16	252	131778	11.312	ng	98
91) Benzo(g,h,i)perylene	16.97	276	41615	4.205	ng	# 92

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

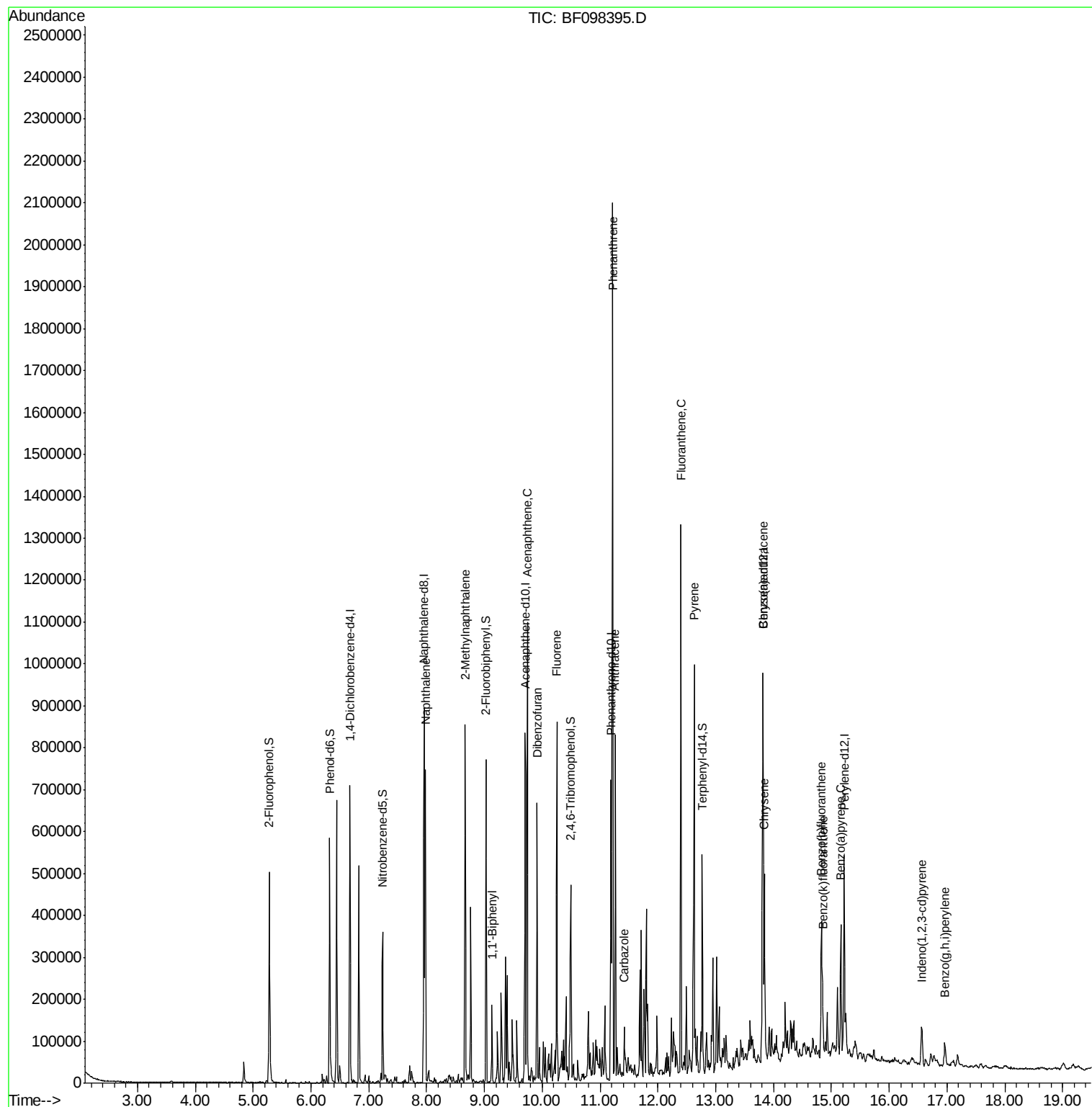
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090917\
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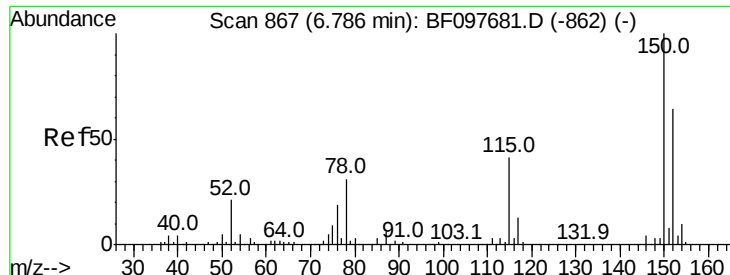
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESM12-1

Manual Integrations
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9/11/2017 2:42:48 PM

Quant Time: Sep 11 06:02:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 17:28:20 2017
Response via : Initial Calibration





#1

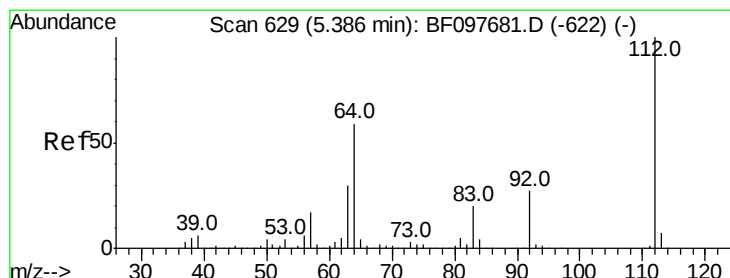
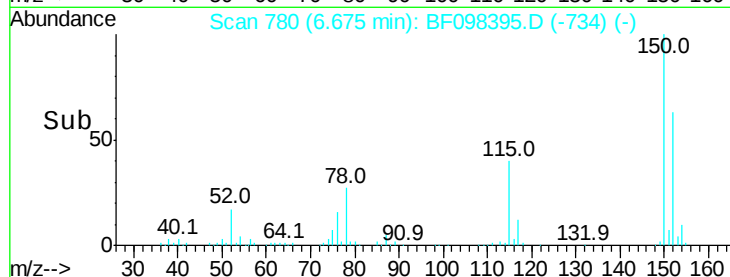
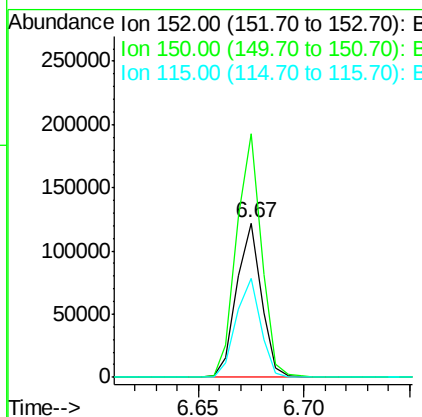
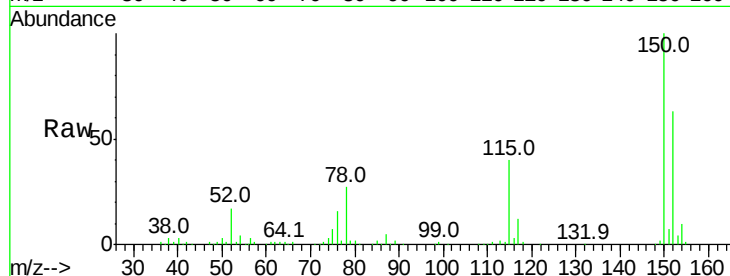
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	63.9	52.2	78.2

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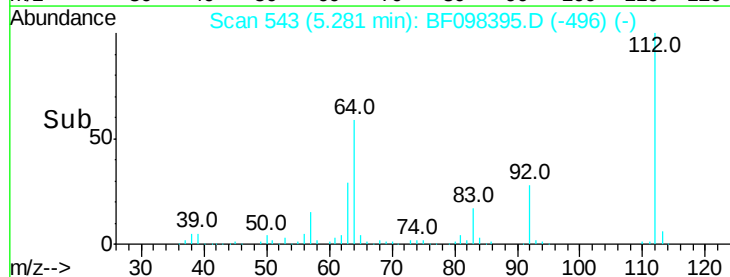
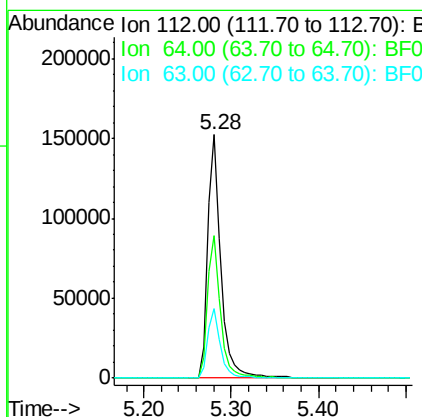
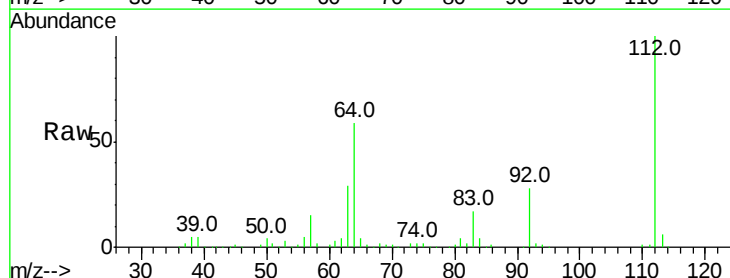
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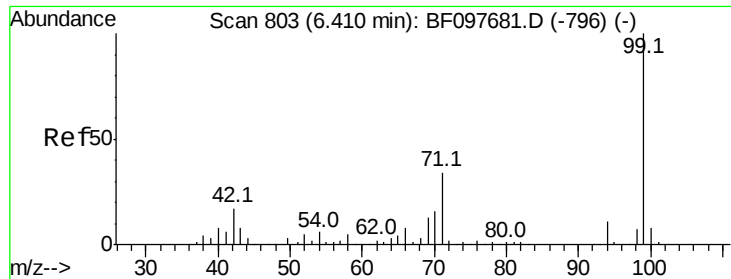


#5

2-Fluorophenol
 Concen: 24.564 ng
 RT: 5.28 min Scan# 543
 Delta R.T. -0.02 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.0	69.0
63	28.6	23.4	35.0





#7

Phenol-d6

Concen: 24.641 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

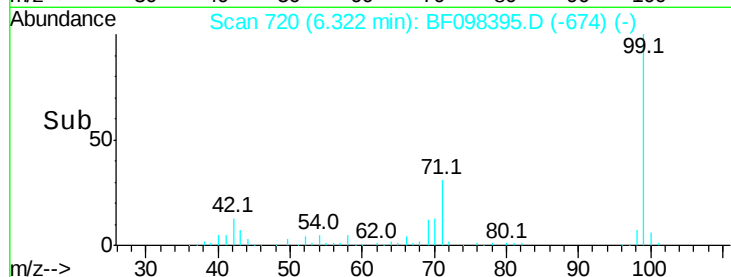
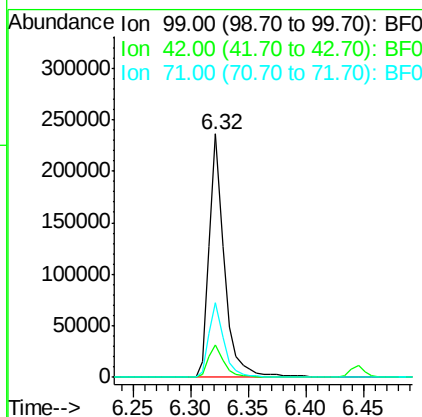
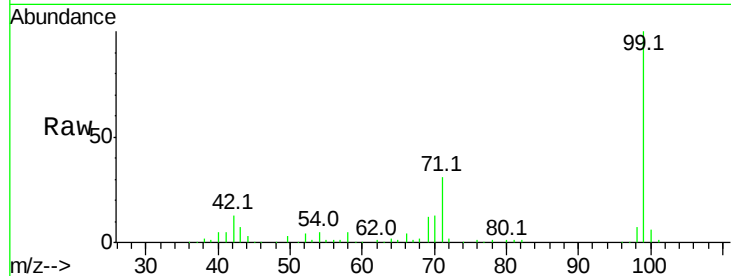
ClientSampleId :

NYSEG-PH4-ESMI2-1

Tot Ion:	99	Resp:	217708
Ion Ratio	Lower	Upper	
99	100		
42	13.4	13.5	20.3#
71	30.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

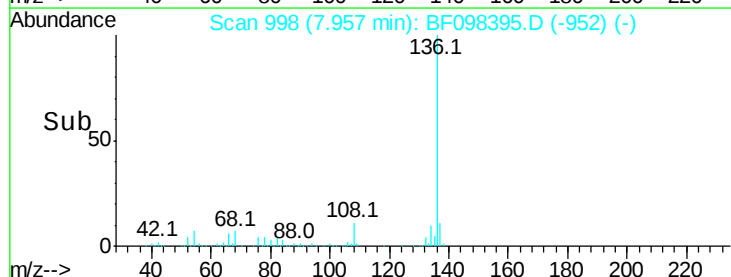
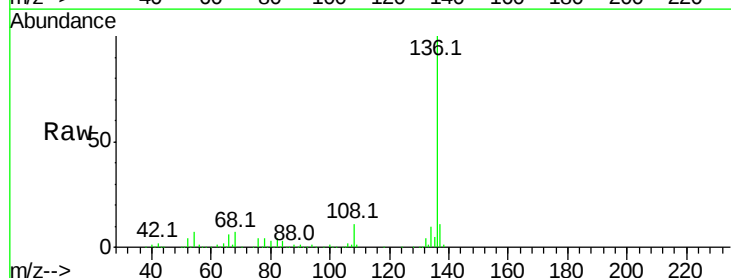
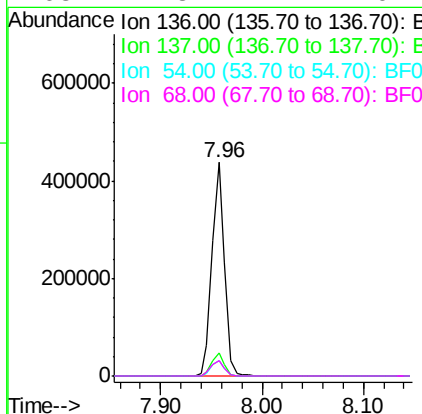
RT: 7.96 min Scan# 998

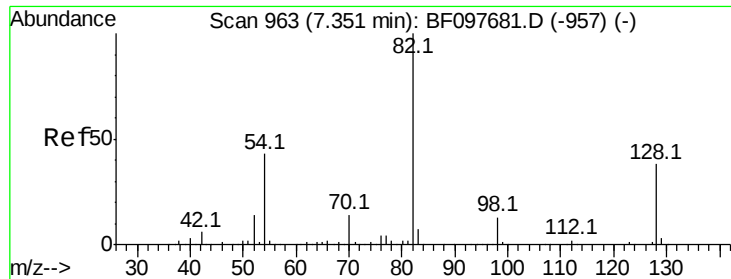
Delta R.T. -0.03 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Tgt Ion:	136	Resp:	377052
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	7.5	4.9	7.3#
68	7.3	4.1	6.1#





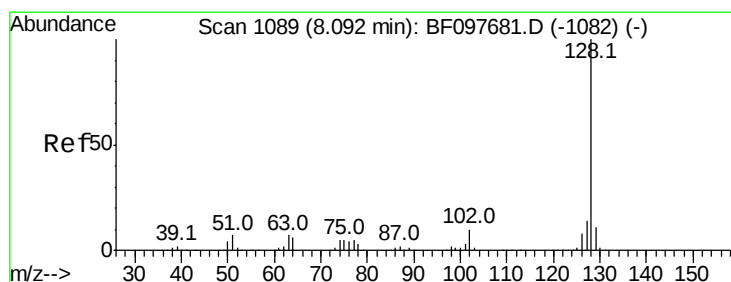
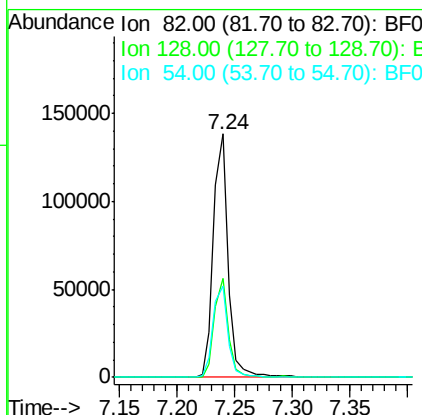
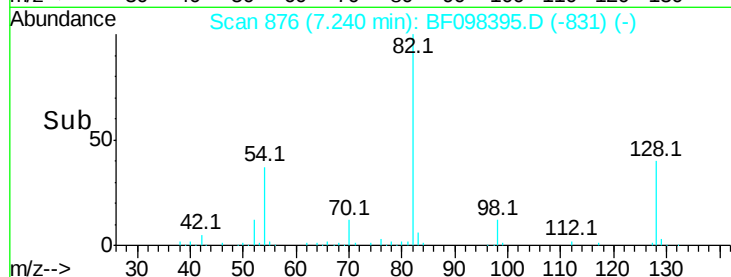
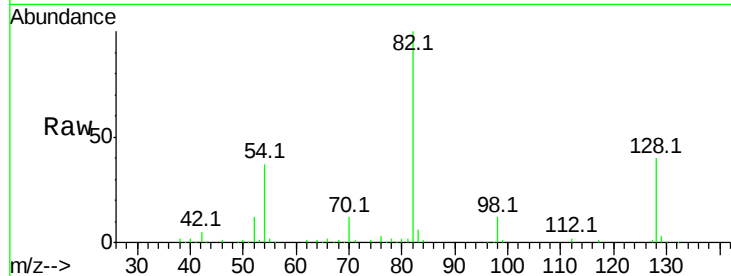
#23
Nitrobenzene-d5
Concen: 17.767 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-1

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	40.5	34.0	51.0
54	37.5	42.2	63.2#

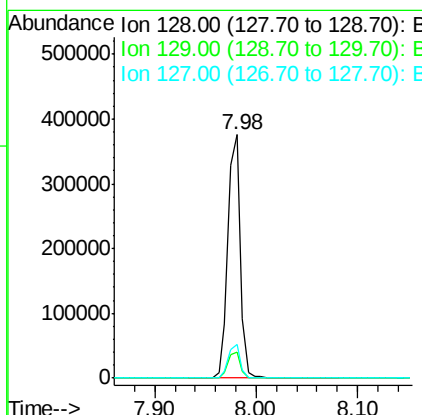
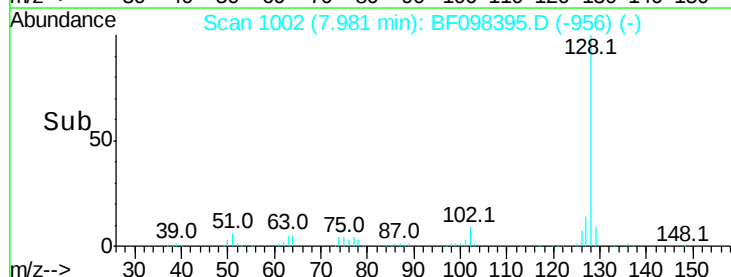
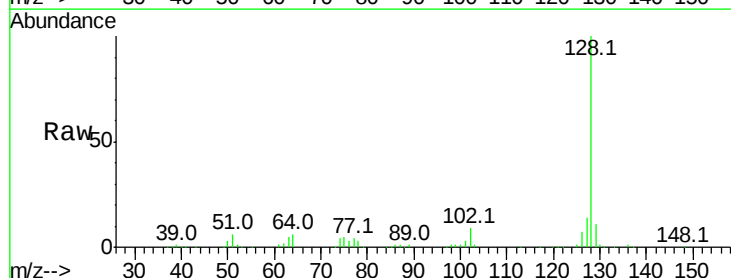
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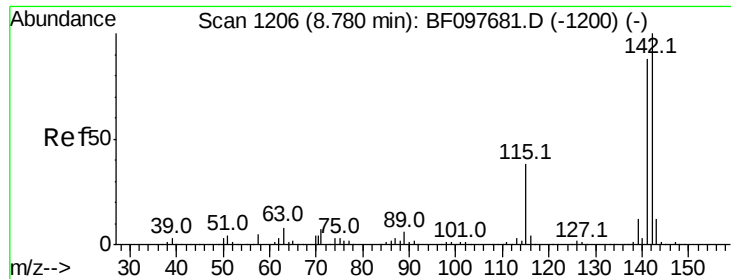
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#31
Naphthalene
Concen: 16.456 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.03 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.9	10.8	16.2





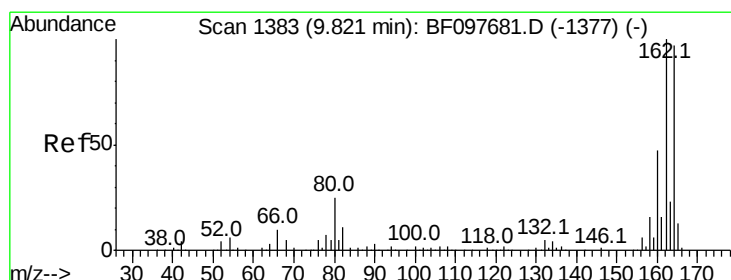
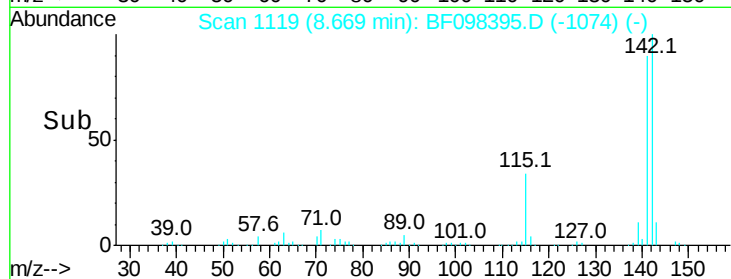
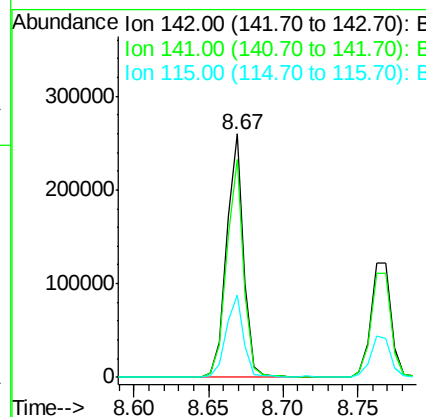
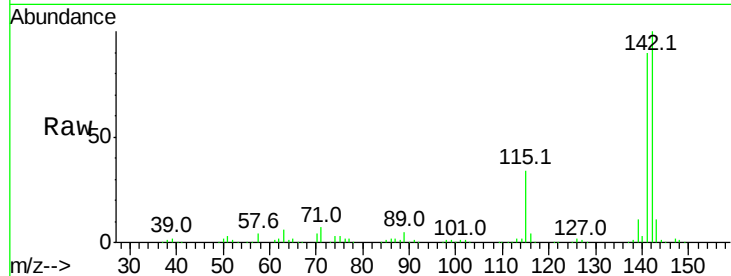
#37
 2-Methylnaphthalene
 Concen: 17.482 ng
 RT: 8.67 min Scan# 1119
 Delta R.T. -0.04 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.3	106.9
115	34.0	27.1	40.7

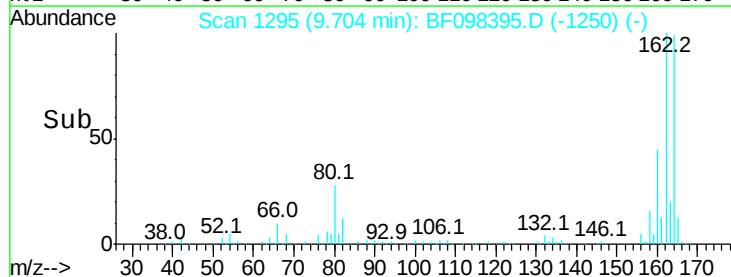
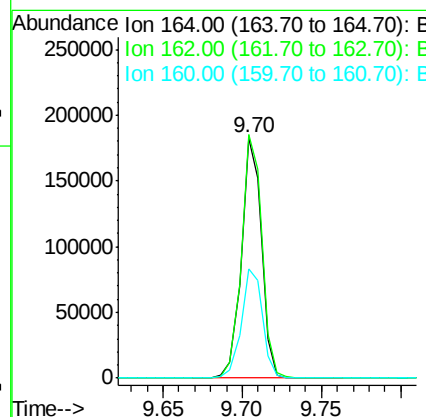
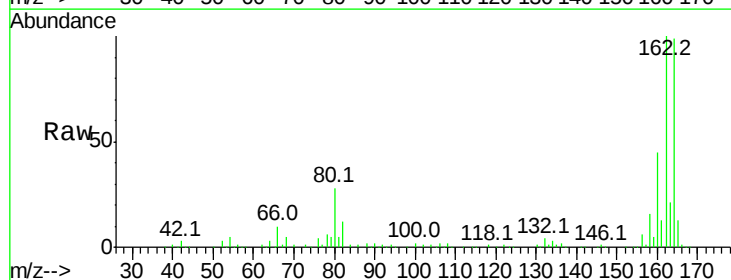
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.04 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	123.8
160	45.8	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 20.759 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

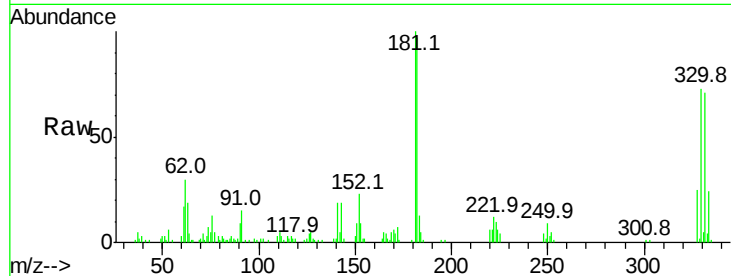
ClientSampleId :

NYSEG-PH4-ESMI2-1

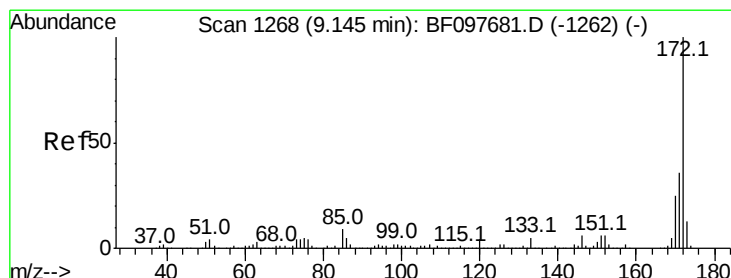
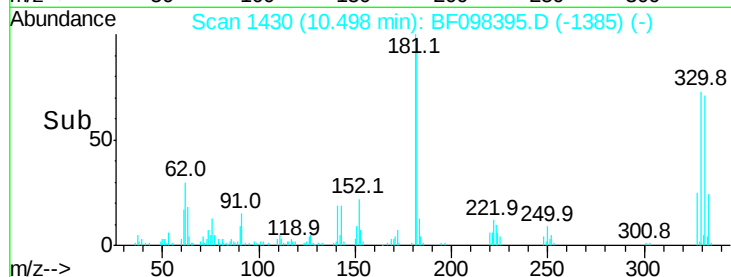
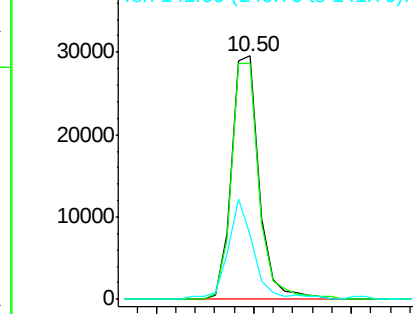
Tot Ion:	330	Resp:	28950
Ion Ratio	Lower	Upper	
330	100		
332	97.2	76.6	115.0
141	38.7	31.4	47.2

Manual Integrations
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 19.669 ng

RT: 9.03 min Scan# 1180

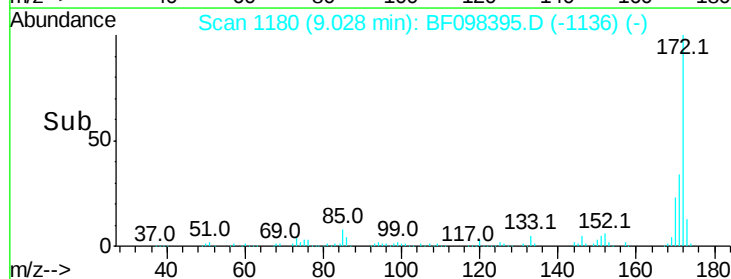
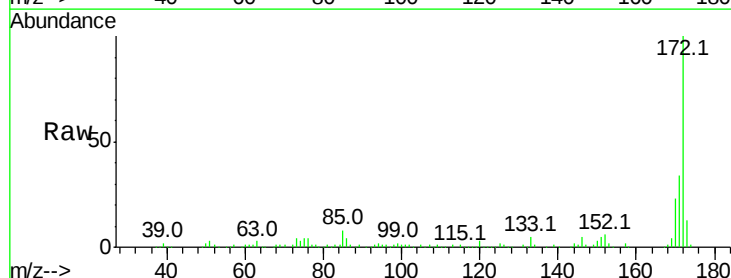
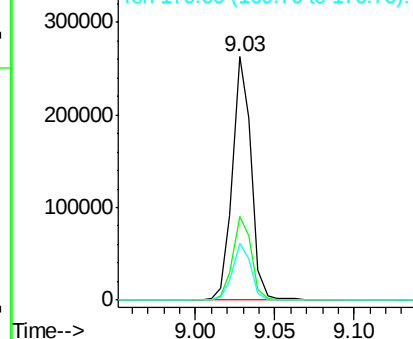
Delta R.T. -0.04 min

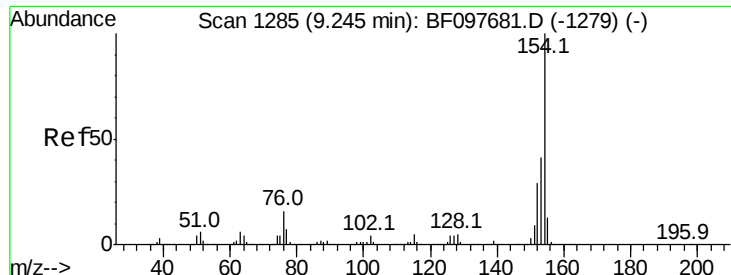
Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Tgt Ion:	172	Resp:	215179
Ion Ratio	Lower	Upper	
172	100		
171	34.3	29.6	44.4
170	23.4	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





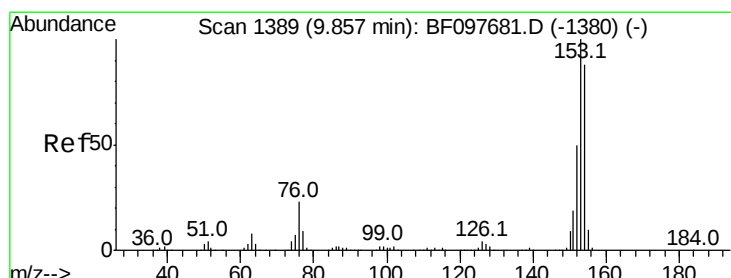
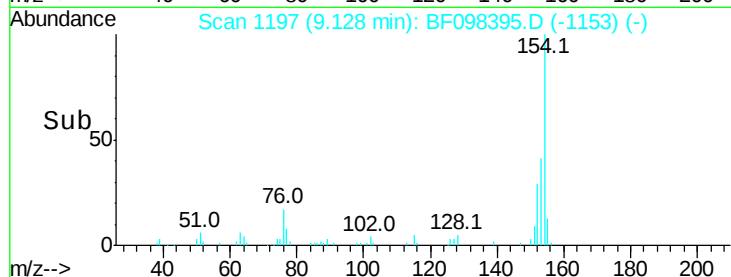
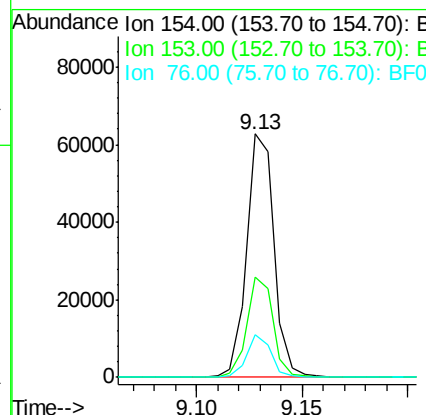
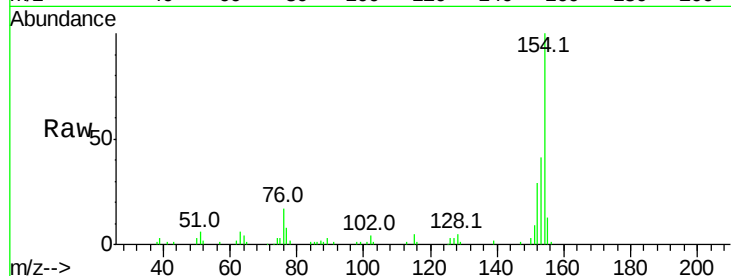
#45
 1,1'-Biphenyl
 Concen: 3.836 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-1

Tot Ion:	154	Resp:	56221
Ion Ratio	Lower	Upper	
154	100		
153	41.1	21.2	61.2
76	17.3	0.0	29.9

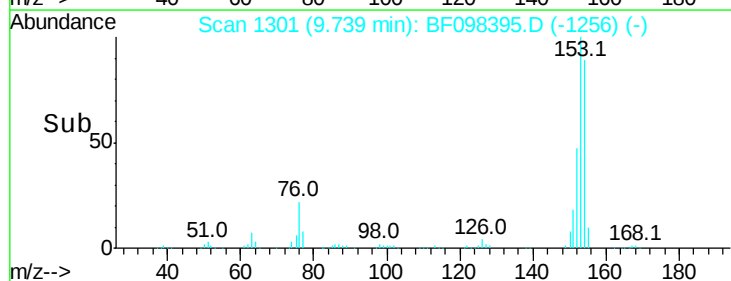
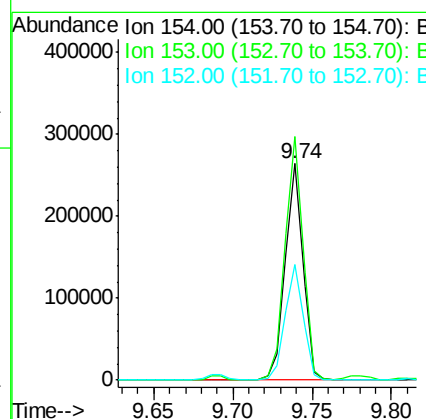
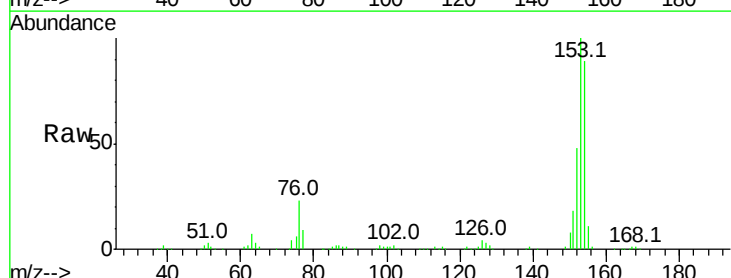
Manual Integrations
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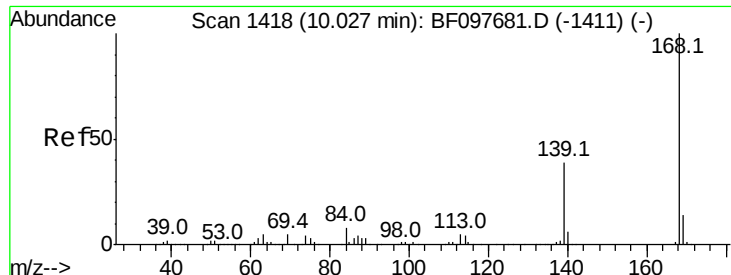
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#51
 Acenaphthene
 Concen: 19.286 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.04 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Tgt Ion:	154	Resp:	206859
Ion Ratio	Lower	Upper	
154	100		
153	112.5	90.5	135.7
152	53.7	43.6	65.4





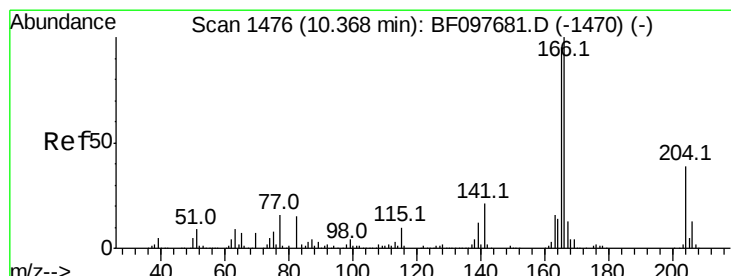
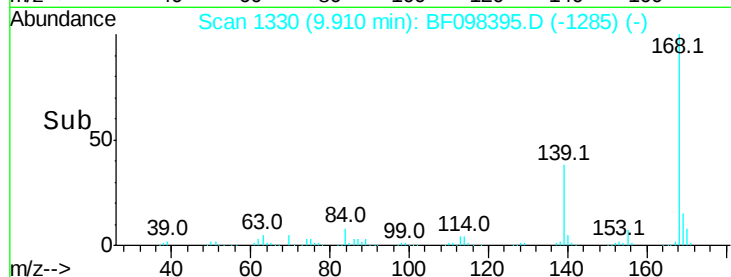
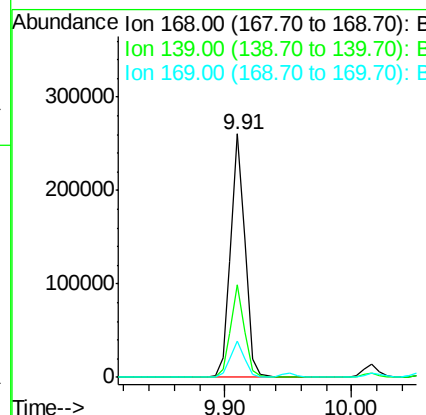
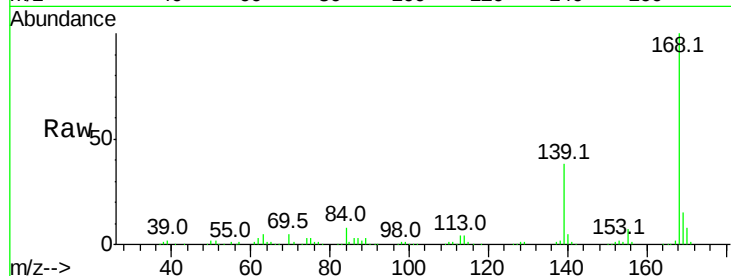
#54
Dibenzofuran
Concen: 14.388 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-1

Tot Ion	Ratio	Resp	Lower	Upper
168	100	206827		
139	37.9		30.6	45.8
169	14.9		10.8	16.2

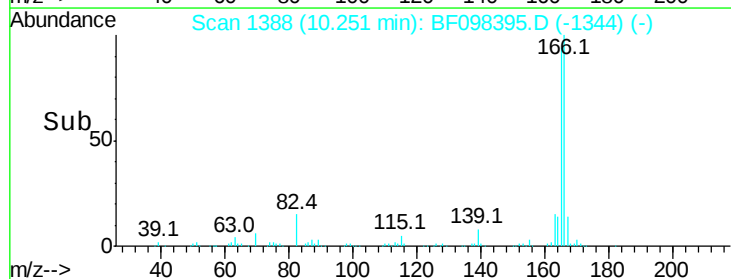
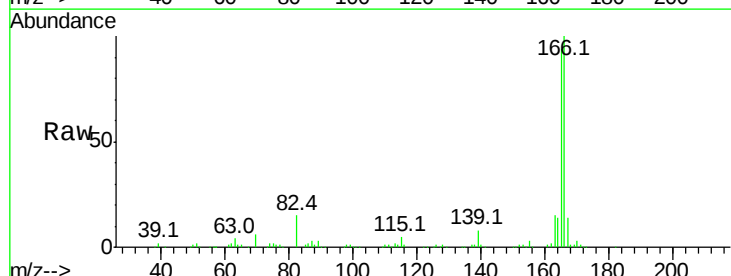
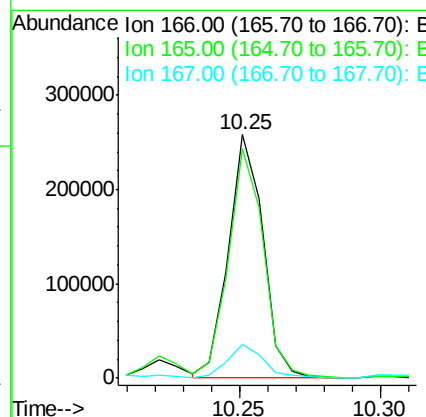
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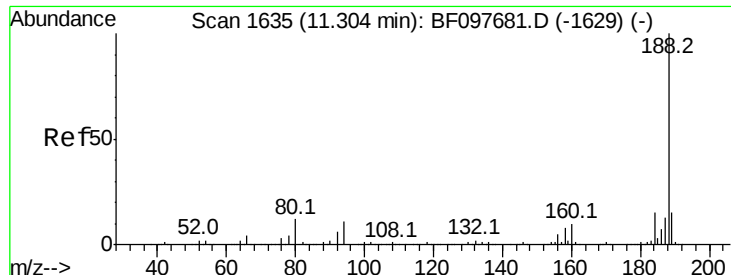
Sohil
9/11/2017 2:42:48 PM



#57
Fluorene
Concen: 19.595 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	217777		
165	94.3		78.8	118.2
167	13.8		10.6	16.0





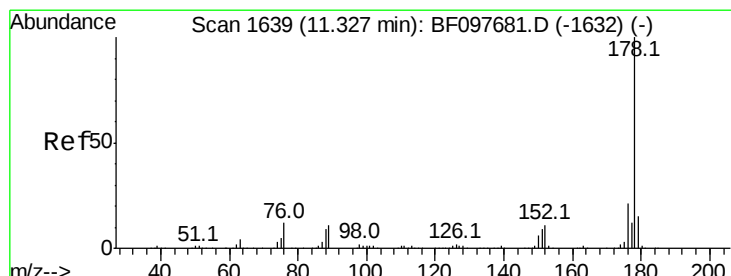
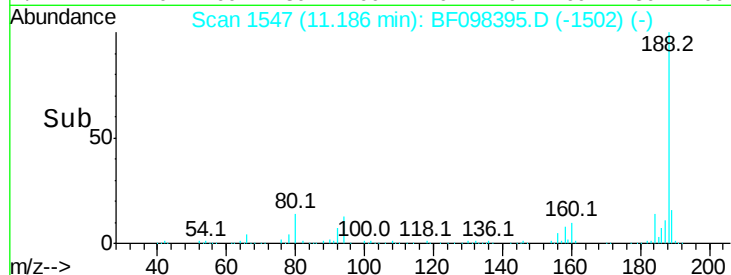
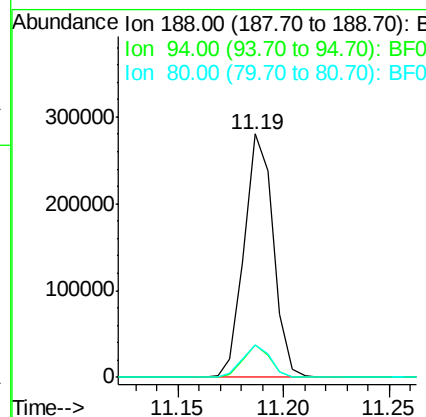
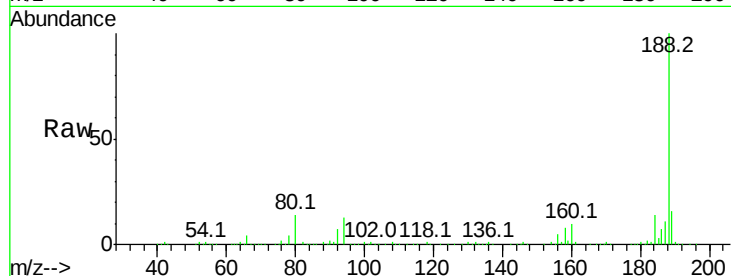
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	267201		
94	13.2		9.4	14.2
80	13.5		10.2	15.2

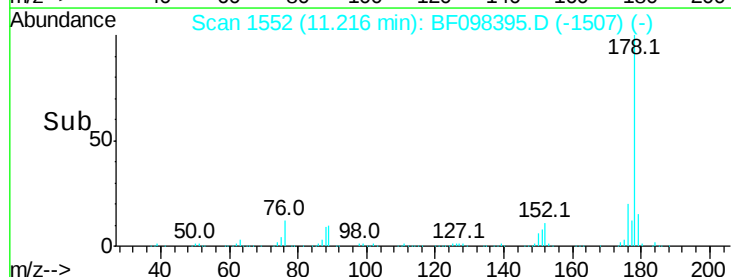
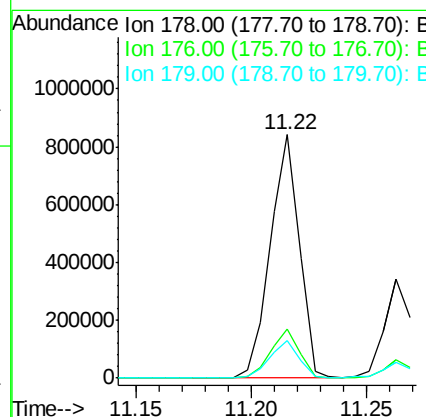
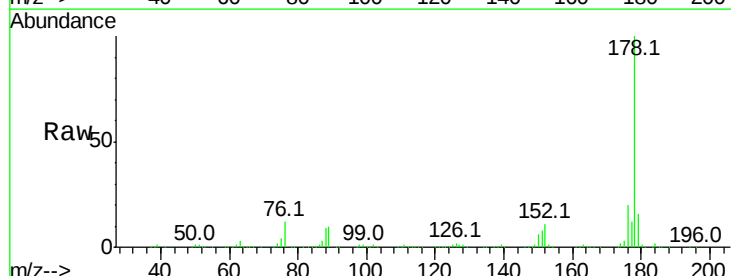
Manual Integrations
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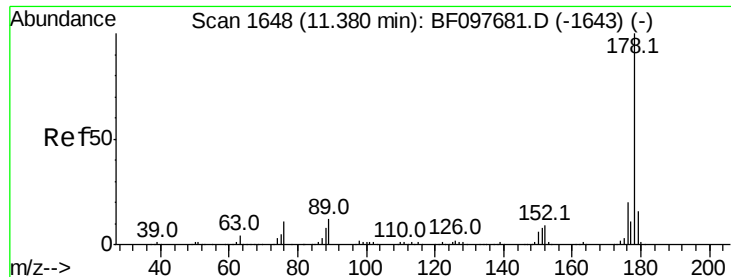
Sohil
9/11/2017 2:42:48 PM



#70
Phenanthrene
Concen: 51.699 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	736107		
176	20.2		16.2	24.4
179	15.6		12.6	19.0





#71

Anthracene

Concen: 18.560 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-1

Tot Ion:178 Resp: 268037

Ion Ratio Lower Upper

178 100

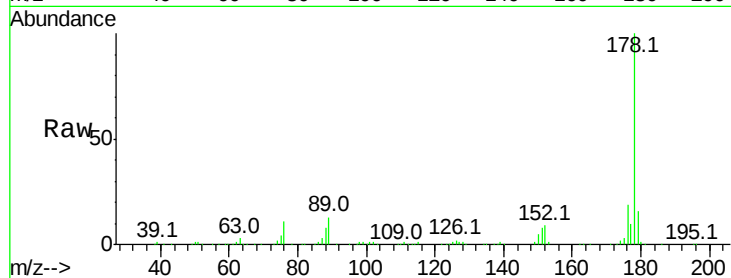
176 18.8 15.8 23.8

179 15.8 12.7 19.1

Manual Integrations
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Sohil

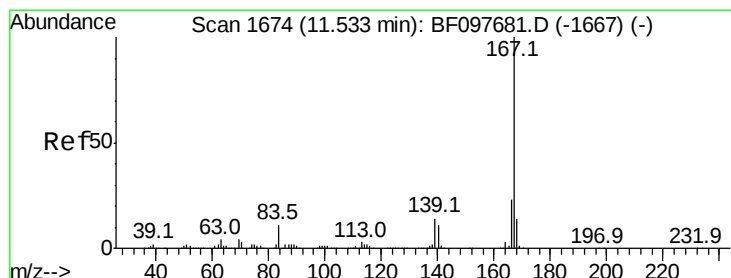
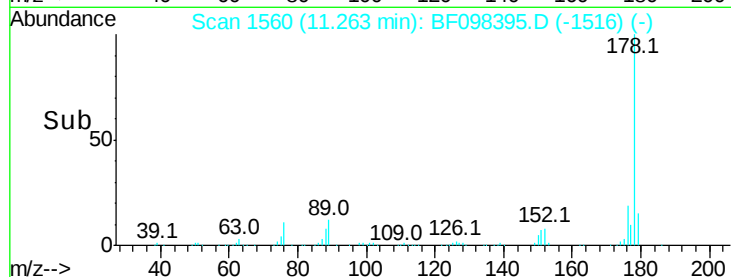
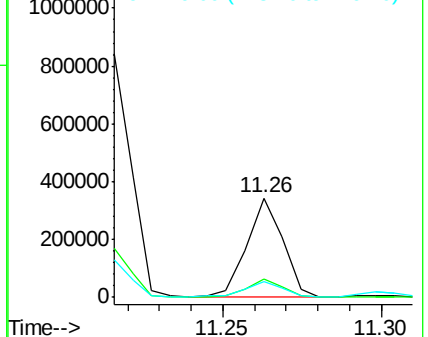
9/11/2017 2:42:48 PM



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: 2.848 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

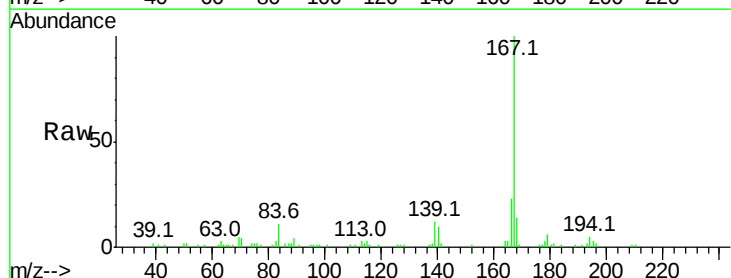
Tgt Ion:167 Resp: 39044

Ion Ratio Lower Upper

167 100

166 23.1 18.1 27.1

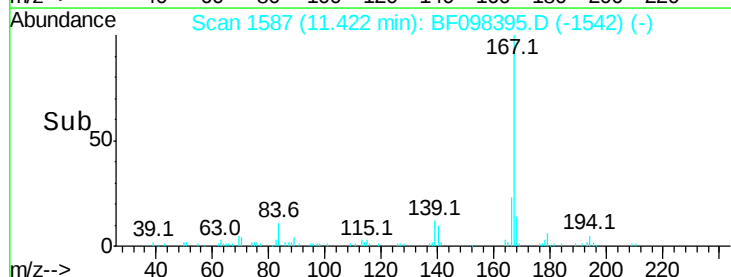
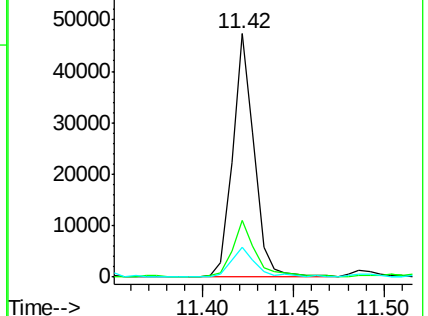
139 12.0 11.7 17.5

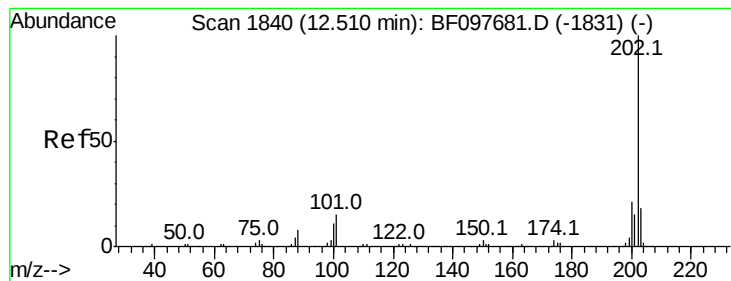


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 33.208 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

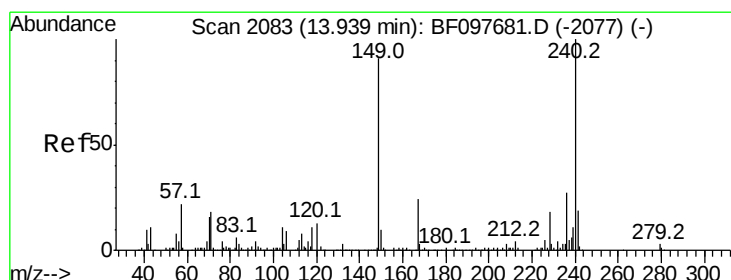
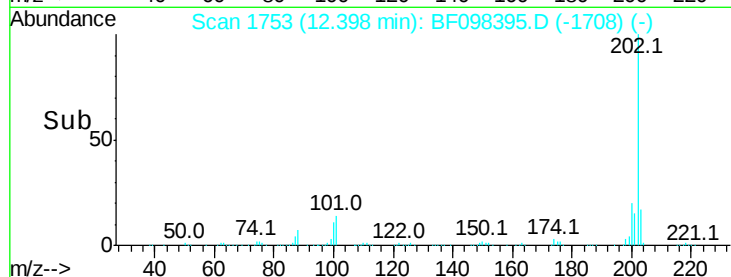
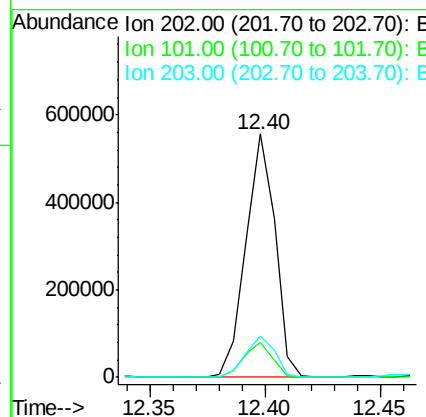
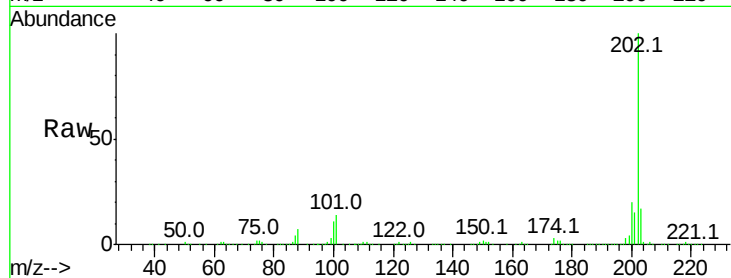
ClientSampleId :

NYSEG-PH4-ESMI2-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	493524		
101	14.5	0.0	33.2	
203	17.1	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

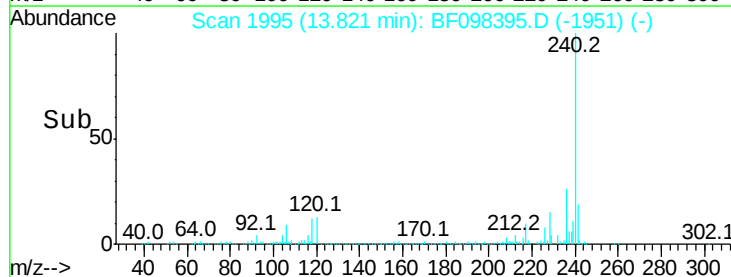
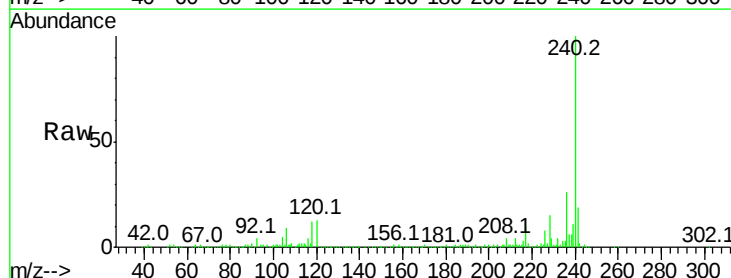
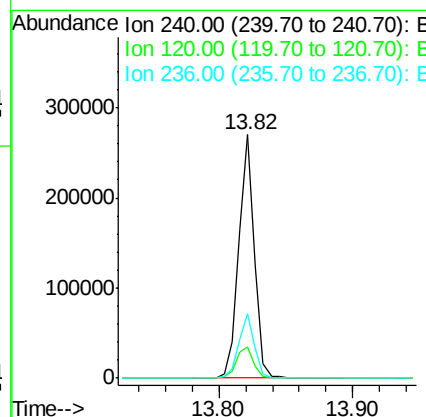
RT: 13.82 min Scan# 1995

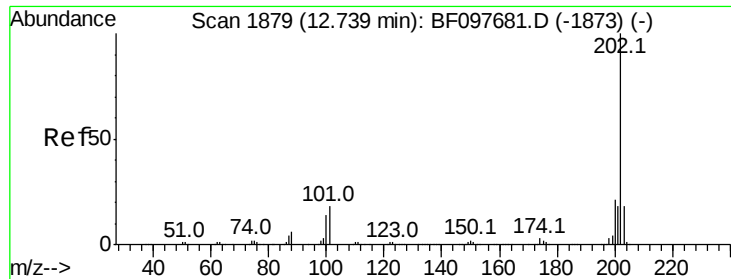
Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	223688		
120	13.0	5.8	8.8#	
236	26.3	20.5	30.7	





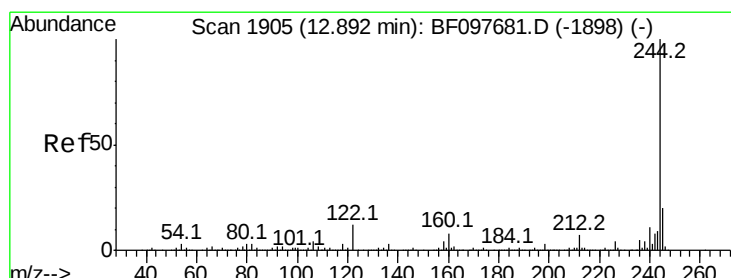
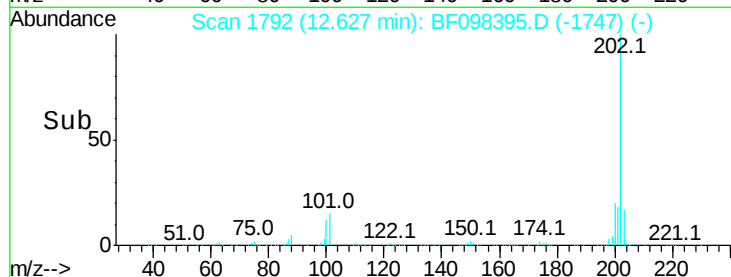
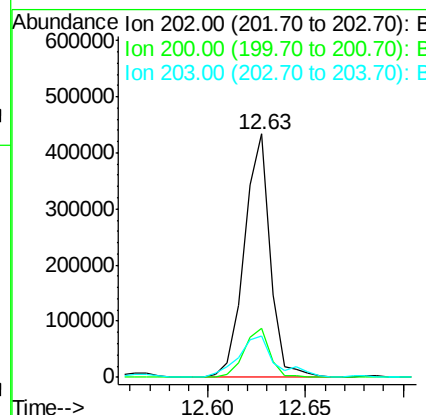
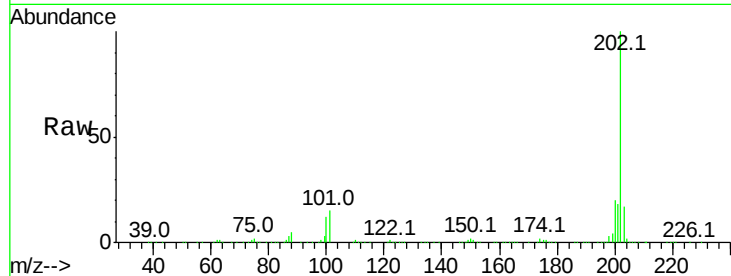
#77
Pvrene
Concen: 21.617 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.6	26.4
203	17.1	14.4	21.6

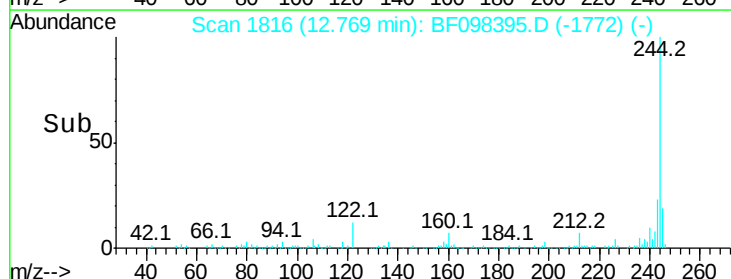
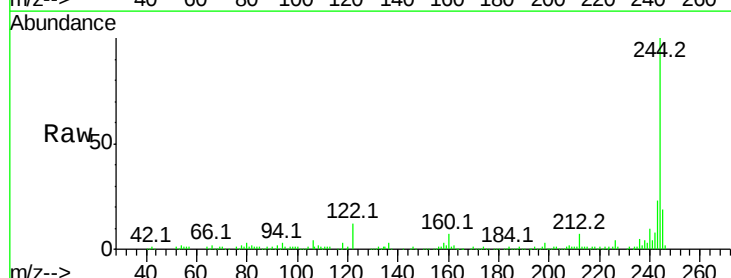
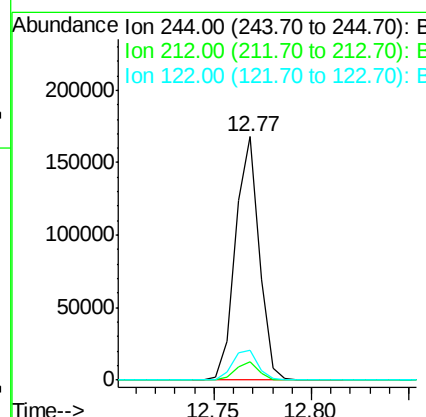
Manual Integrations
APPROVED

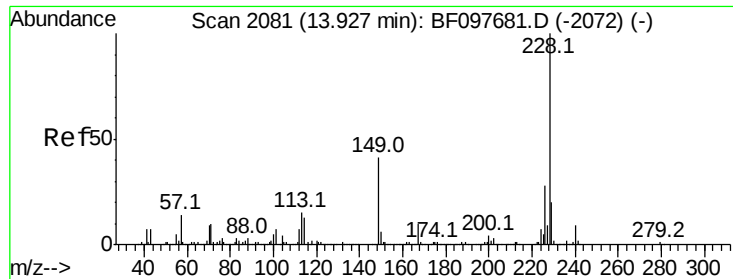
Sohil
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#78
Terphenyl-d14
Concen: 13.162 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	12.4	10.3	15.5





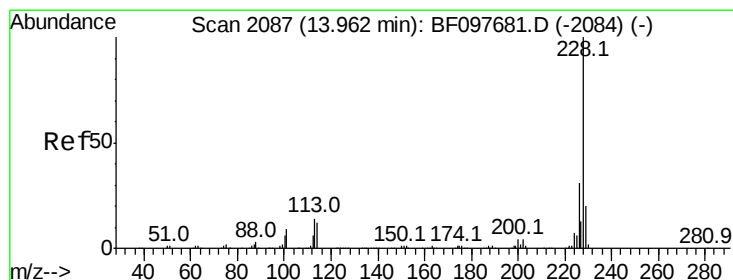
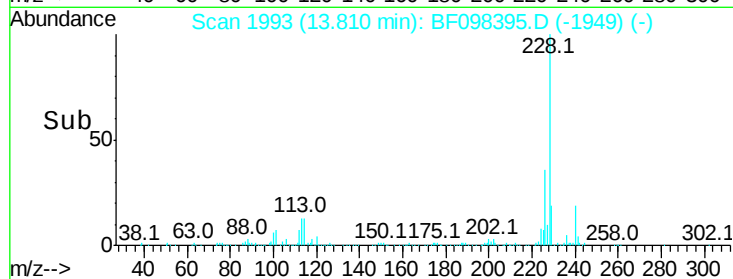
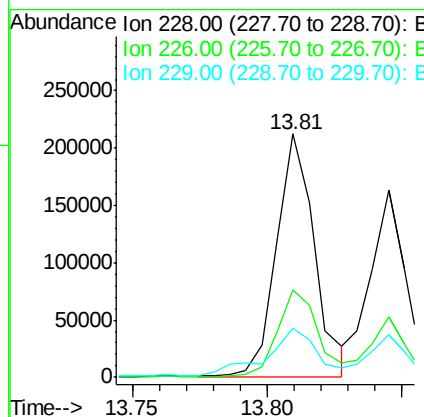
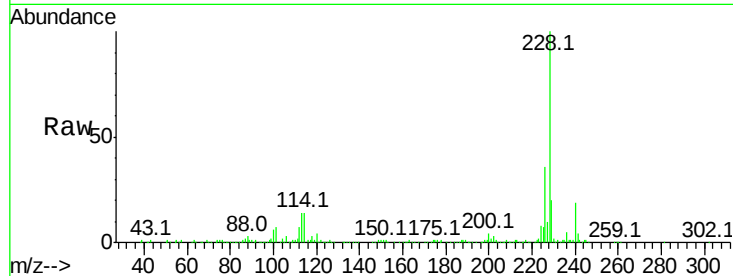
#80
Benzo(a)anthracene
Concen: 15.480 ng m
RT: 13.81 min Scan# 1993
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.6	33.8#
229	20.4	16.3	24.5

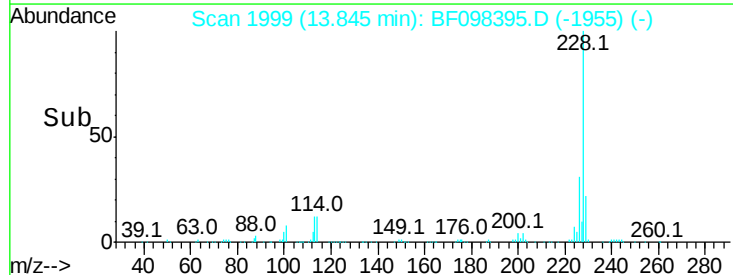
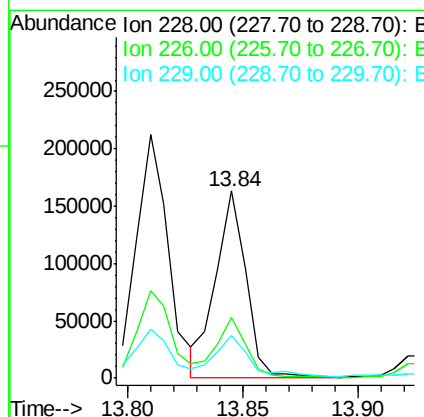
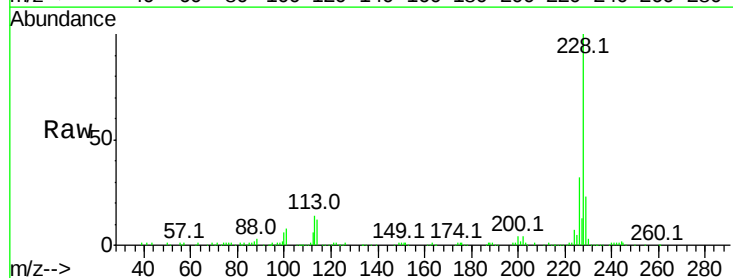
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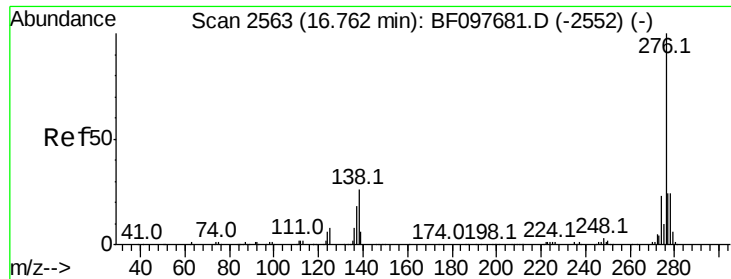
Sohil
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#82
Chrysene
Concen: 11.033 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.9	37.3
229	22.8	15.8	23.6





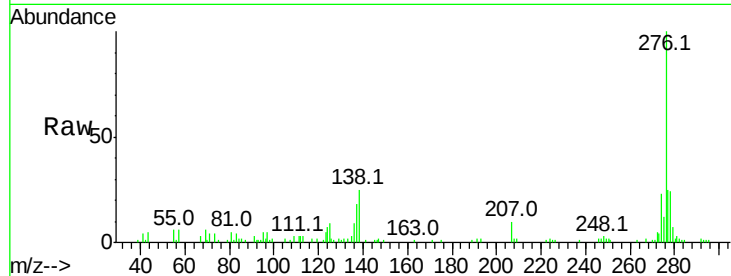
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.180 ng/ml
RT: 16.56 min Scan# 2461
Delta R.T. -0.08 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-1

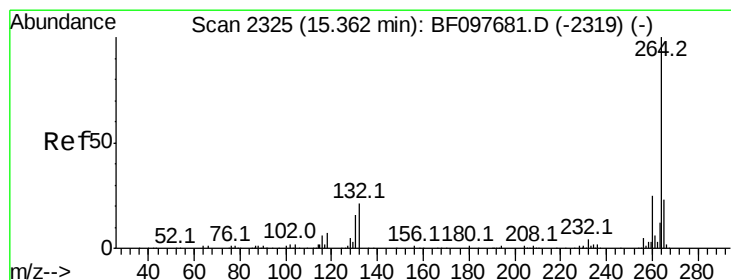
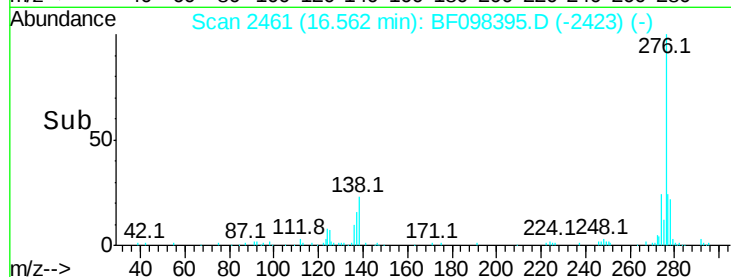
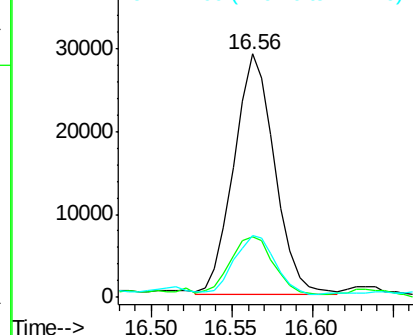
Tot Ion	Ratio	Lower	Upper
276	100		
138	4.2	27.8	41.6#
277	2.6	20.2	30.4#

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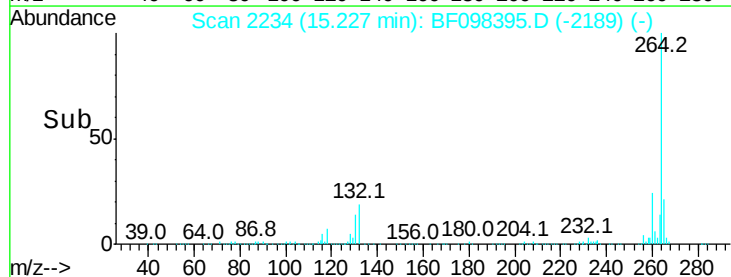
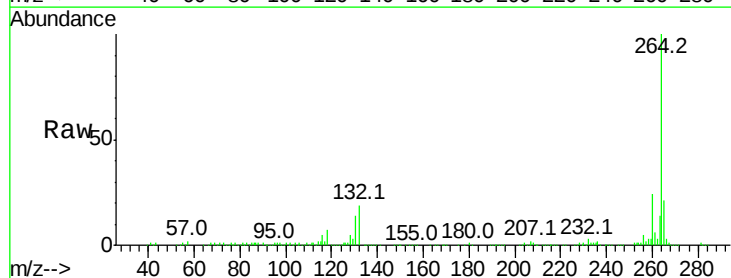
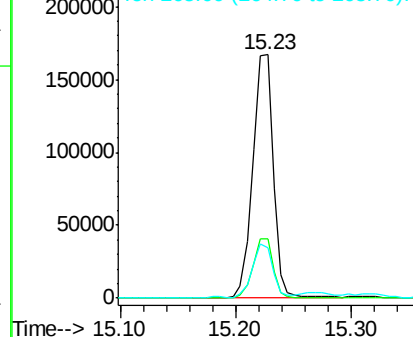
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

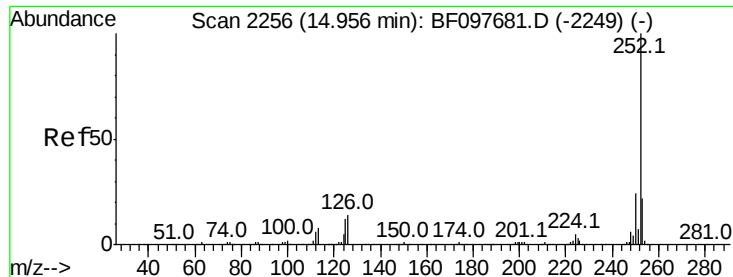


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	20.8	17.2	25.8

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





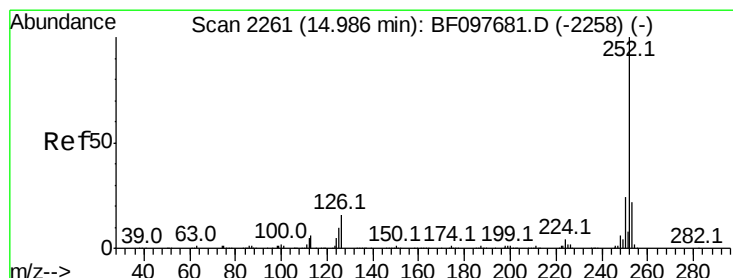
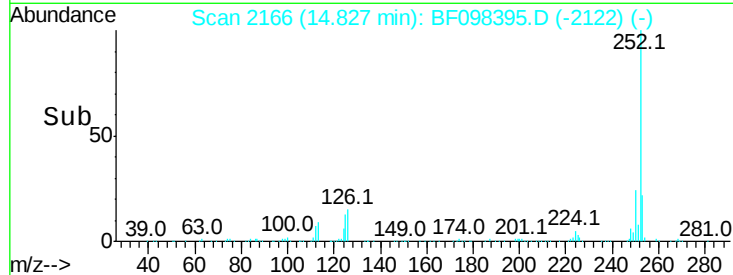
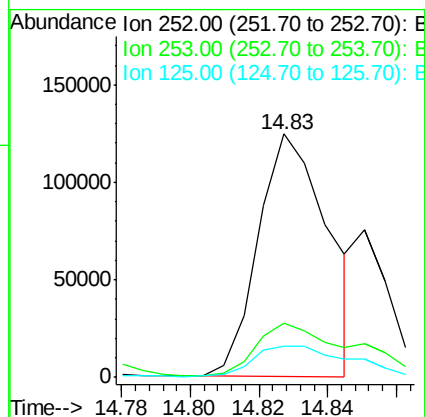
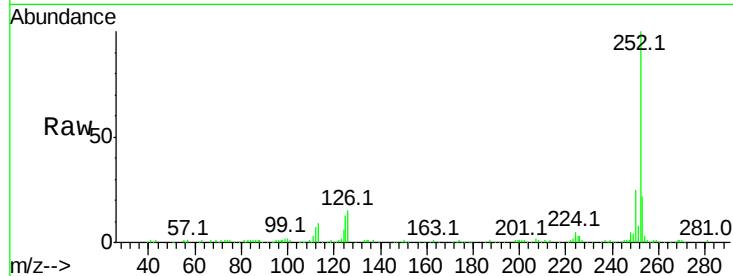
#87
Benzo(b)fluoranthene
Concen: 13.393 ng m
RT: 14.83 min Scan# 2166
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	12.9	9.8	14.8

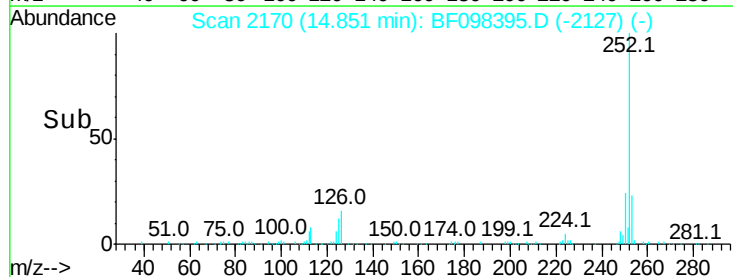
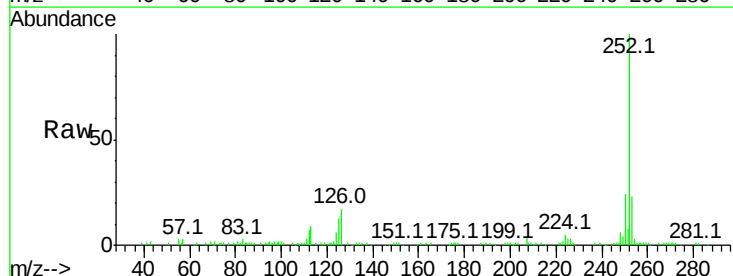
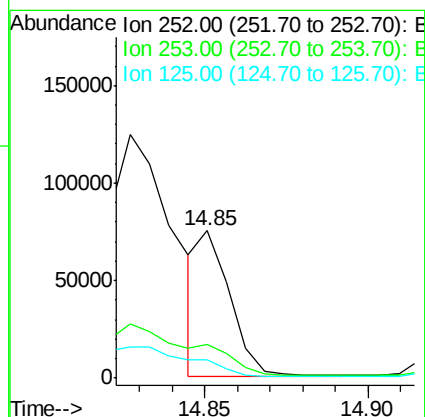
Manual Integrations
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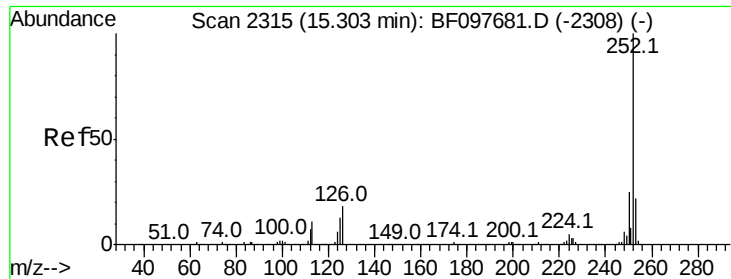
Sohil
9/11/2017 2:42:48 PM



#88
Benzo(k)fluoranthene
Concen: 4.101 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.05 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	12.9	13.1	19.7#





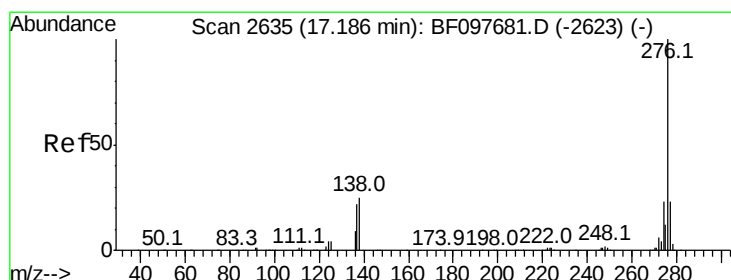
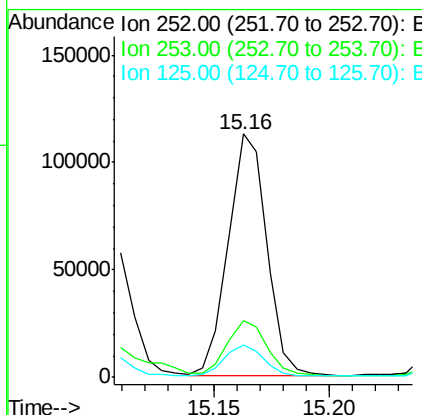
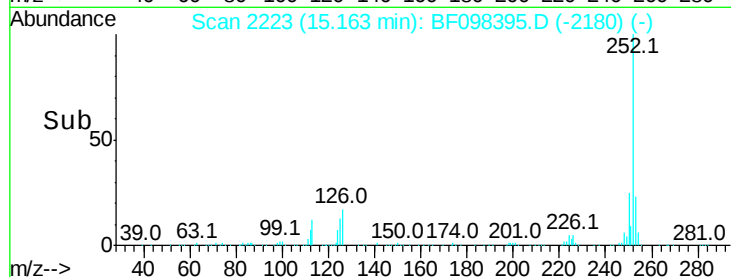
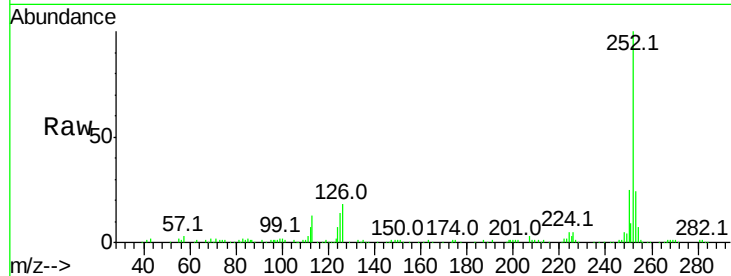
#89
Benzo(a)pyrene
Concen: 11.312 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.05 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.6	11.0	16.4

Manual Integrations
APPROVED

Sohil
9/11/2017 2:42:48 PM



#91
Benzo(g,h,i)perylene
Concen: 4.205 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.08 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.6	28.0
138	24.9	25.4	38.0#

