

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098440.D
 Acq On : 12 Sep 2017 9:19
 Operator : SJ/JU
 Sample : I5151-05DL 250X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-5DL

Manual Integrations
 APPROVED

Sohil
 9/12/2017 6:02:27 PM

Quant Time: Sep 12 11:58:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	224187	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	899206	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	356112	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	517952	20.00	ng	0.00
75) Chrysene-d12	13.82	240	372218	20.00	ng	0.00
86) Perylene-d12	15.22	264	371238	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	6738	0.44	ng	0.02
7) Phenol-d6	6.33	99	10016	0.52	ng	0.01
23) Nitrobenzene-d5	7.24	82	5336	0.33	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	570	0.24	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	11006	0.52	ng	0.00
78) Terphenyl-d14	12.76	244	6025	0.35	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	7.97	128	1491861	33.561	ng	100
37) 2-Methylnaphthalene	8.66	142	306591	11.386	ng	99
45) 1,1'-Biphenyl	9.13	154	90173	2.829	ng	97
51) Acenaphthene	9.73	154	345196	16.045	ng	98
54) Dibenzofuran	9.90	168	272076	9.599	ng	98
57) Fluorene	10.25	166	234124	9.980	ng	98
70) Phenanthrene	11.20	178	980886	35.723	ng	99
71) Anthracene	11.26	178	276418	9.805	ng	98
72) Carbazole	11.42	167	70988	2.702	ng	99
74) Fluoranthene	12.39	202	579612	21.086	ng	99
77) Pyrene	12.62	202	476707	16.235	ng	99
80) Benzo(a)anthracene	13.80	228	180502m	8.271	ng	
82) Chrysene	13.84	228	132091	5.988	ng	97
85) Indeno(1,2,3-cd)pyrene	16.55	276	61098	3.948	ng	94
87) Benzo(b)fluoranthene	14.82	252	193390m	8.285	ng	
88) Benzo(k)fluoranthene	14.84	252	46765m	2.146	ng	
89) Benzo(a)pyrene	15.16	252	147871	7.111	ng	97
91) Benzo(g,h,i)perylene	16.96	276	56605	3.720	ng	91

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

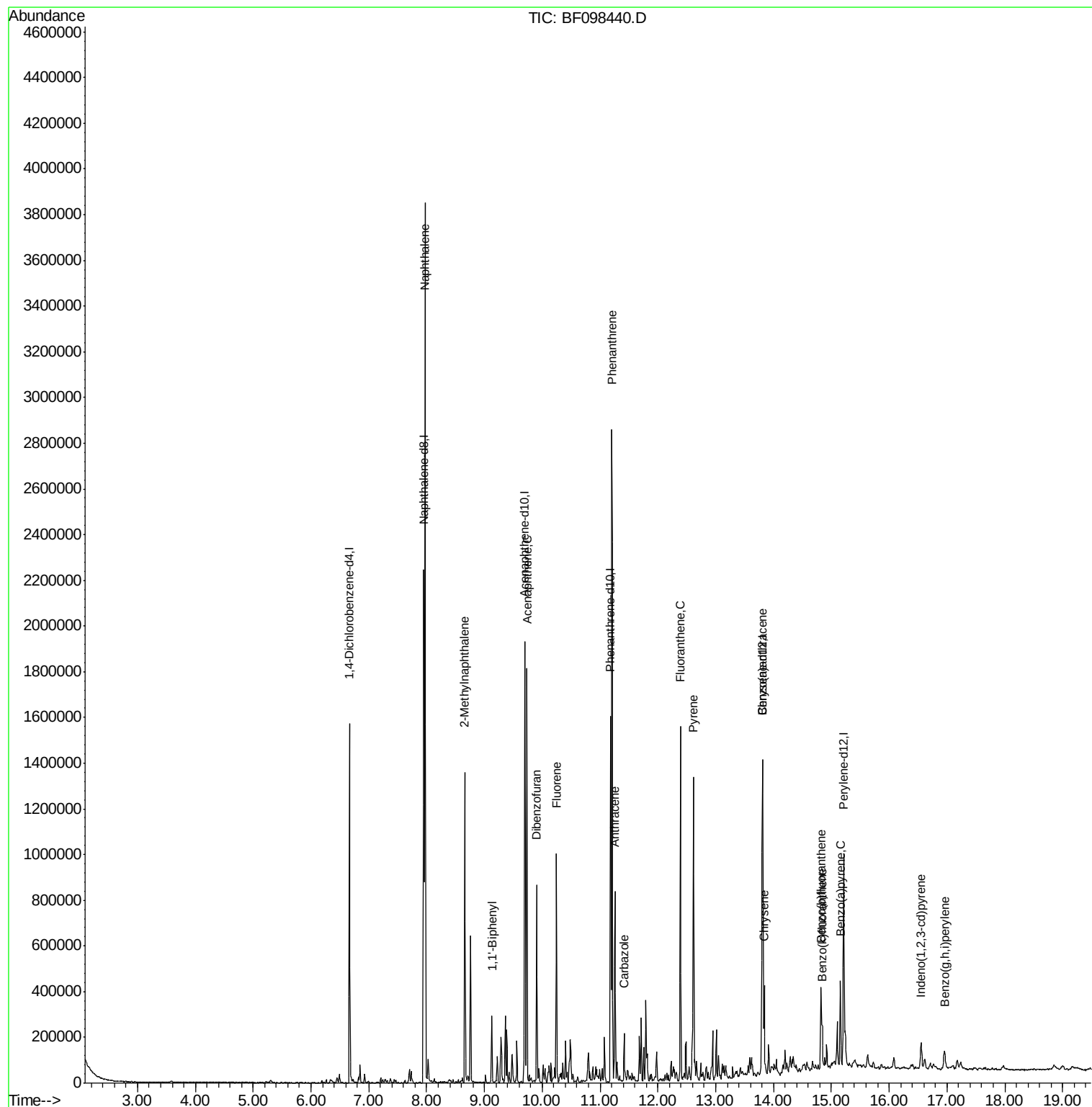
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091117\
Data File : BF098440.D
Acq On : 12 Sep 2017 9:19
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ALS Vial : 28 Sample Multiplier: 1

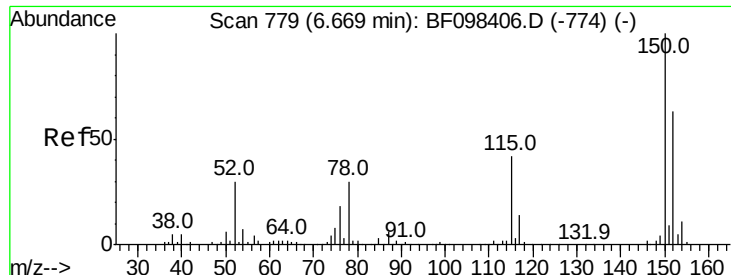
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-5DL

Manual Integrations
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Quant Time: Sep 12 11:58:58 2017
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#1

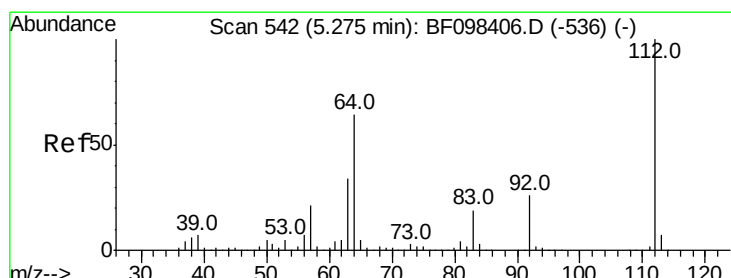
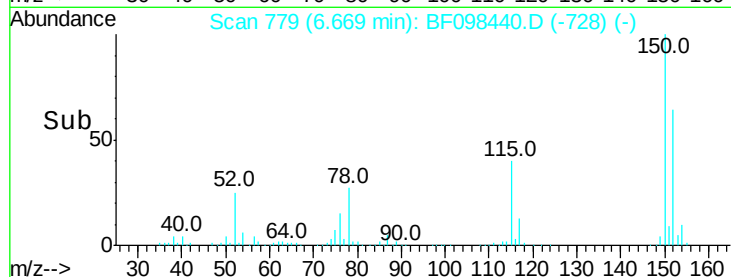
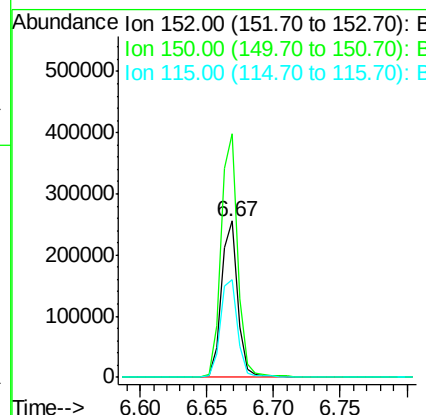
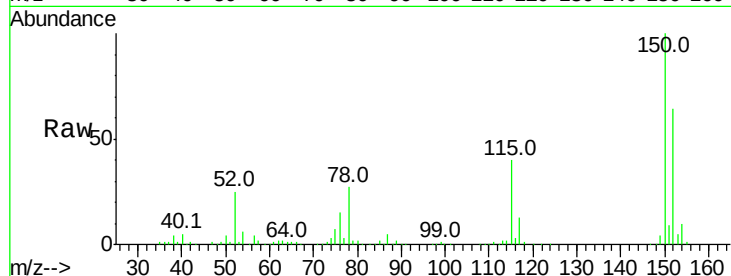
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	62.3	52.2	78.2

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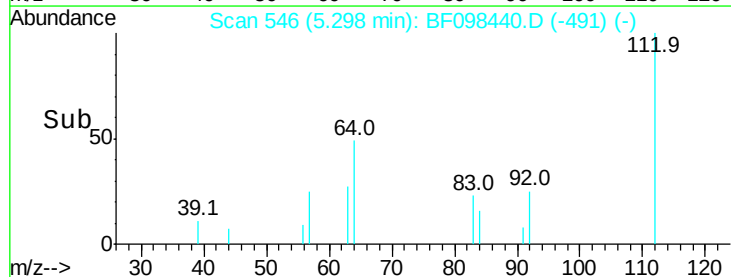
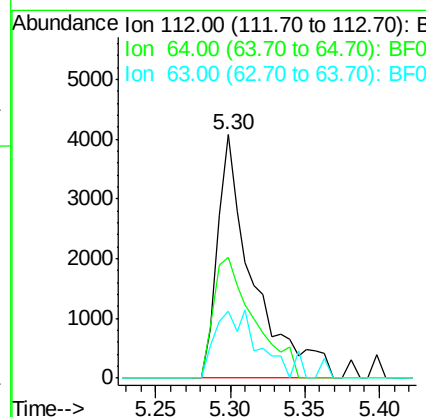
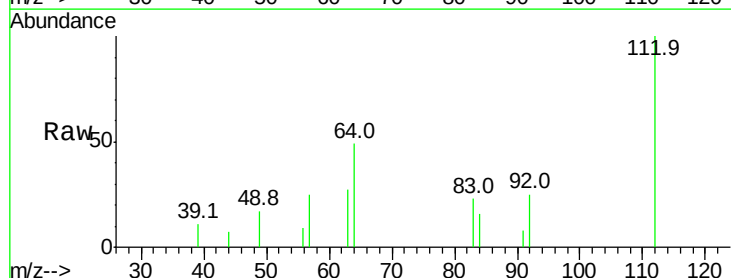
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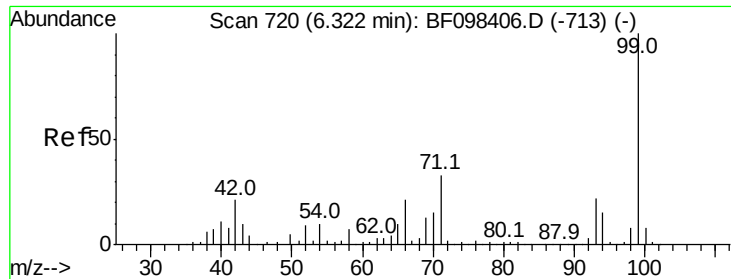


#5

2-Fluorophenol
Concen: 0.444 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.02 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.4	46.0	69.0
63	27.3	23.4	35.0





#7

Phenol-d6

Concen: 0.520 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF098440.D

Acq: 12 Sep 2017 9:19

Instrument :

BNA_F

ClientSampleId :

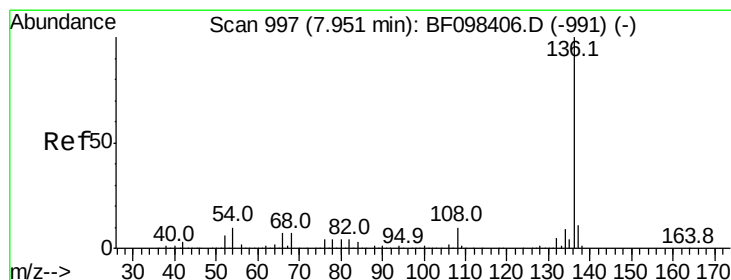
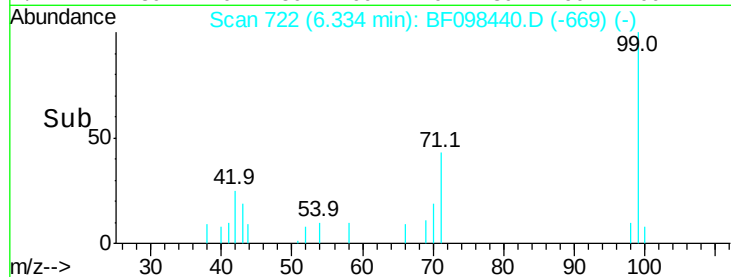
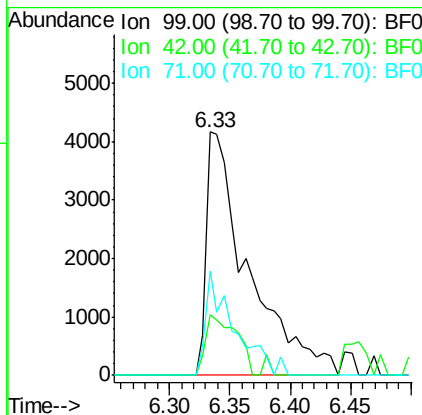
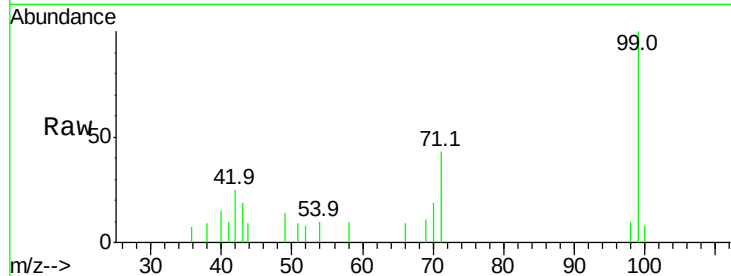
NYSEG-PH4-ESMI2-5DL

Tot Ion:	99	Resp:	10016
Ion Ratio	Lower	Upper	
99	100		
42	25.0	13.5	20.3#
71	42.7	24.5	36.7#

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

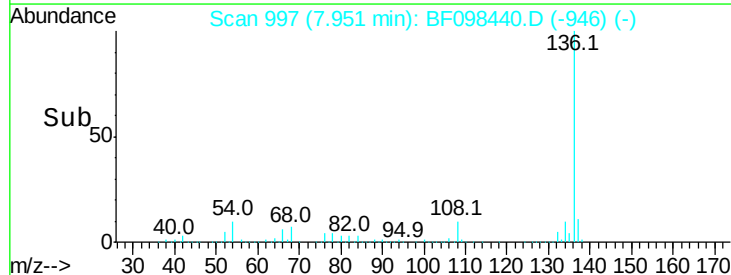
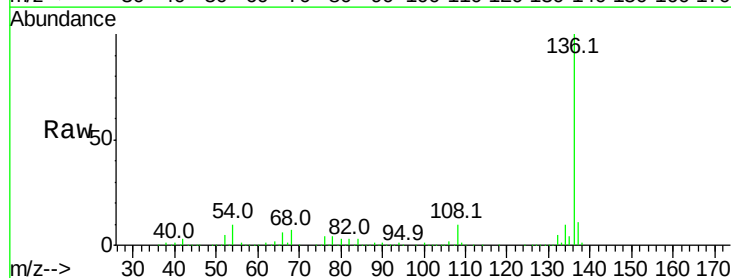
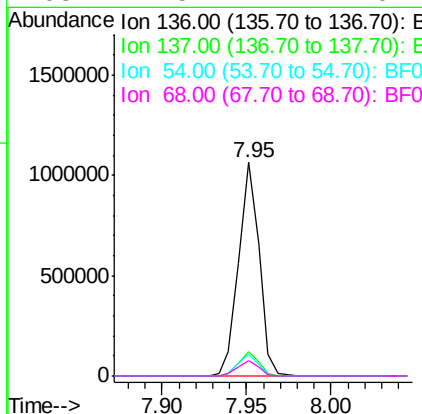
RT: 7.95 min Scan# 997

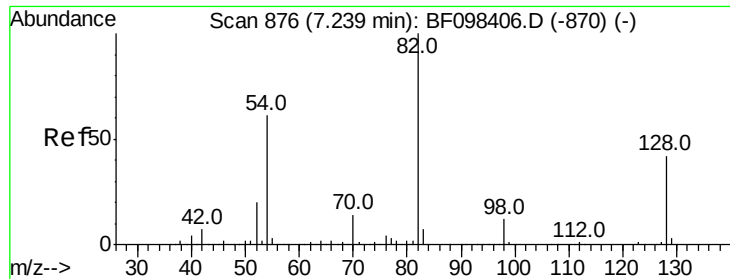
Delta R.T. 0.00 min

Lab File: BF098440.D

Acq: 12 Sep 2017 9:19

Tgt Ion:	136	Resp:	899206
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	10.3	4.9	7.3#
68	7.5	4.1	6.1#





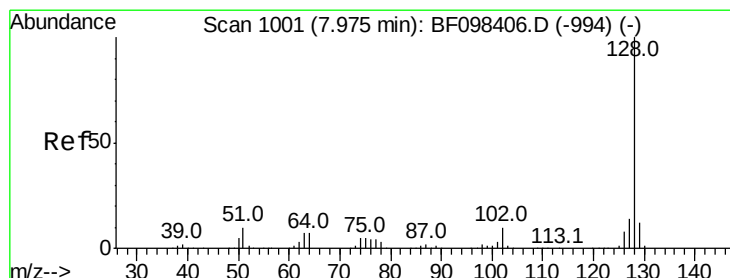
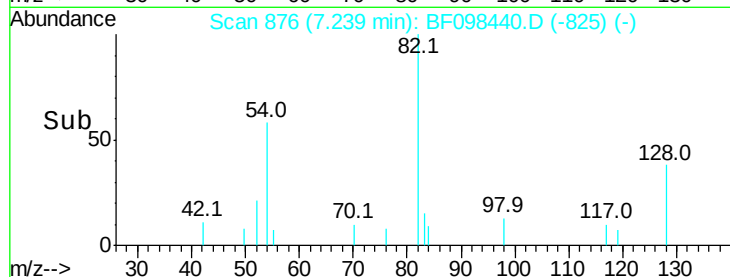
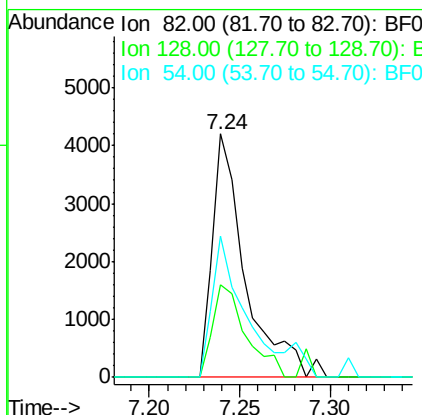
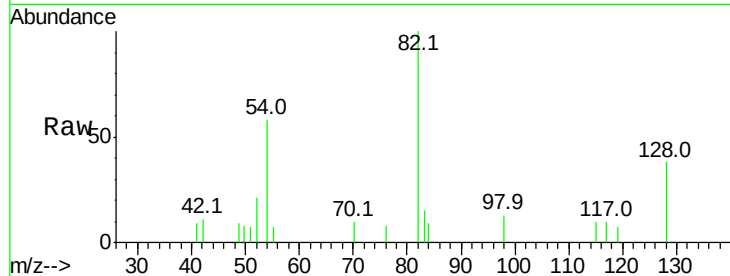
#23
 Nitrobenzene-d5
 Concen: 0.331 ng
 RT: 7.24 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: BF098440.D
 Acq: 12 Sep 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-5DL

Tot Ion:	82	Resp:	5336
Ion Ratio	Lower	Upper	
82	100		
128	38.0	34.0	51.0
54	57.8	42.2	63.2

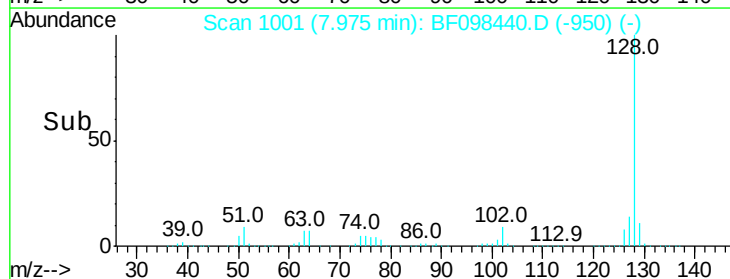
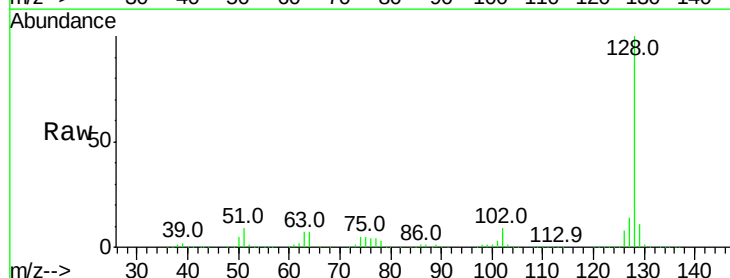
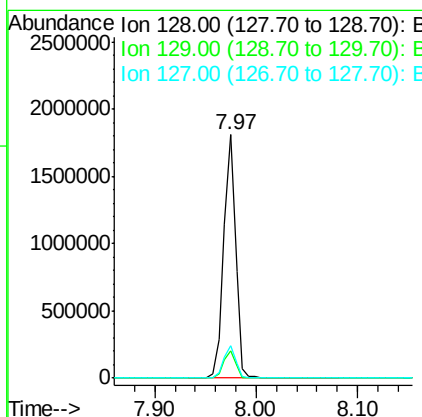
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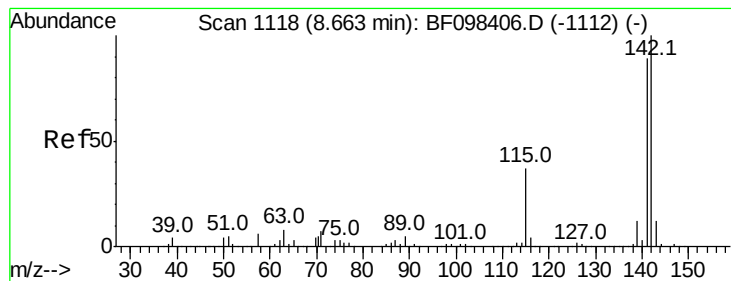
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#31
 Naphthalene
 Concen: 33.561 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BF098440.D
 Acq: 12 Sep 2017 9:19

Tgt Ion:	128	Resp:	1491861
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.0	13.6
127	13.6	10.8	16.2





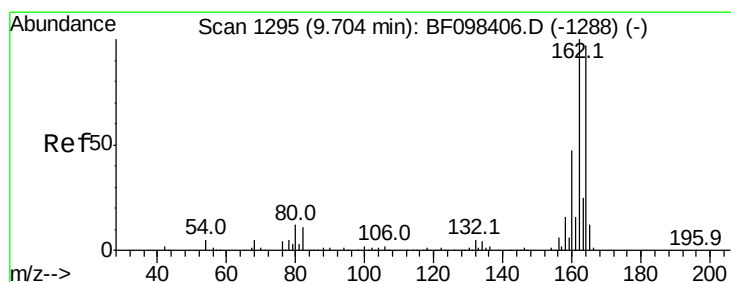
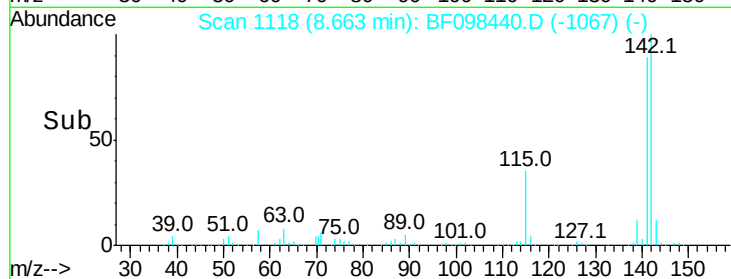
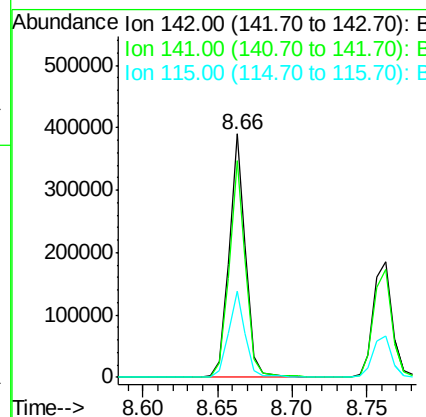
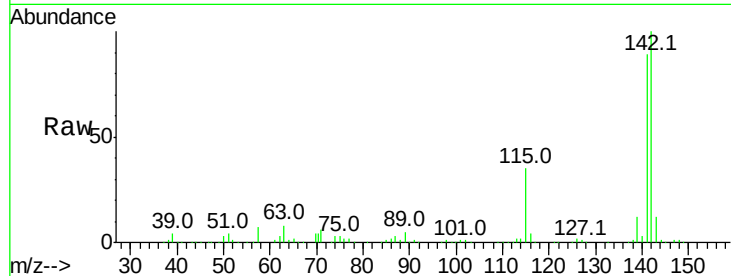
#37
 2-Methylnaphthalene
 Concen: 11.386 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. 0.00 min
 Lab File: BF098440.D
 Acq: 12 Sep 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-5DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	306591		
141	89.3		71.3	106.9
115	35.4		27.1	40.7

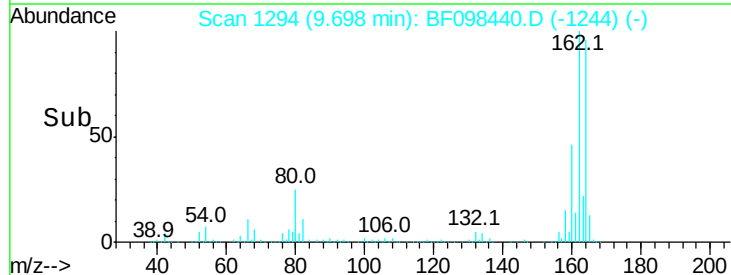
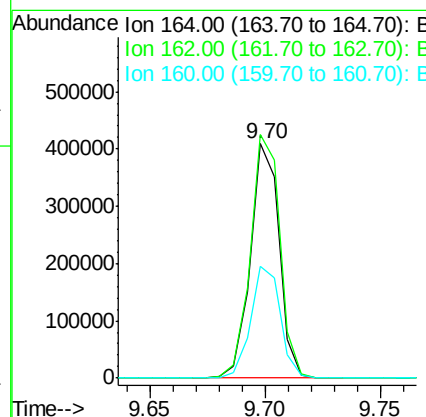
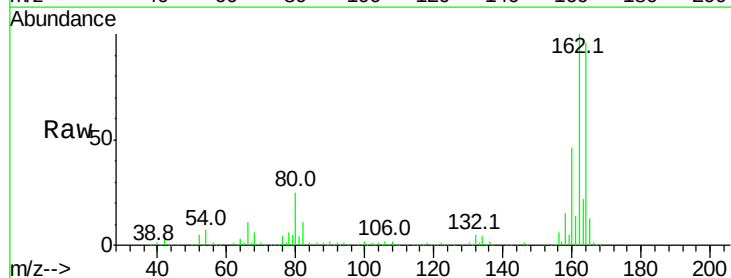
Manual Integrations
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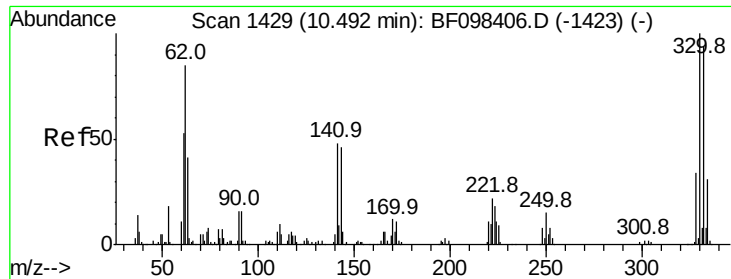
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF098440.D
 Acq: 12 Sep 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	356112		
162	103.8		82.6	123.8
160	47.4		36.2	54.2





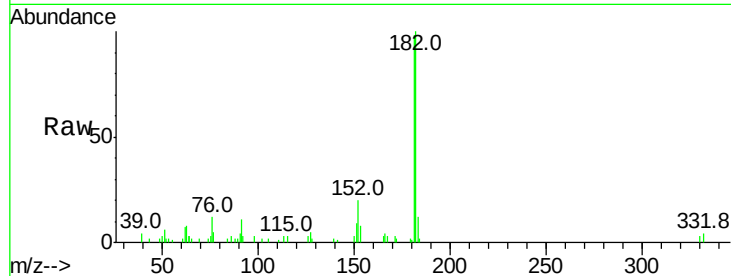
#41
 2,4,6-Tribromophenol
 Concen: 0.240 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. 0.01 min
 Lab File: BF098440.D
 Acq: 12 Sep 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-5DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	115.0
141	132.1	31.4	47.2#

Manual Integrations
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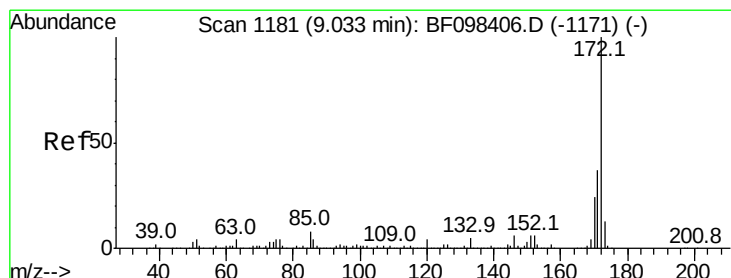
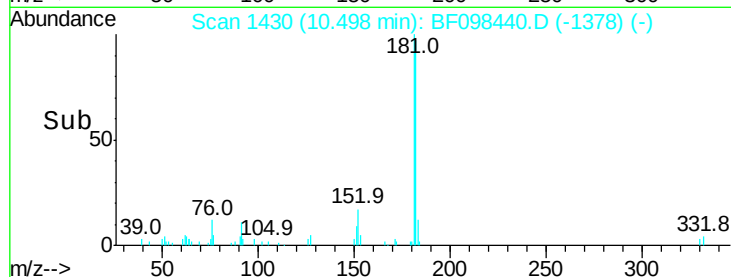
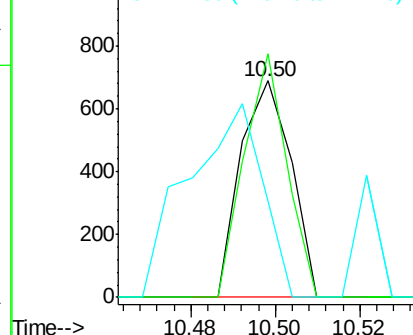


Abundance

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: 0.524 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF098440.D
 Acq: 12 Sep 2017 9:19

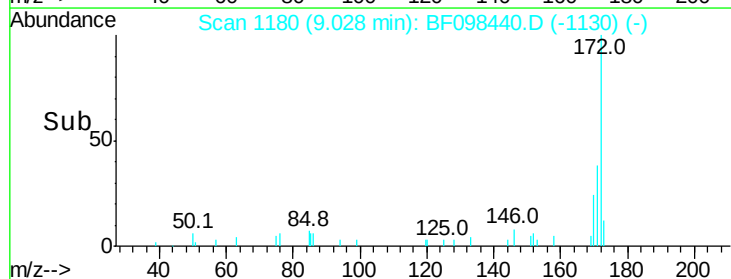
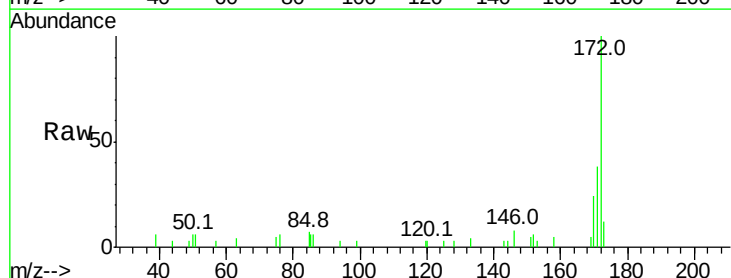
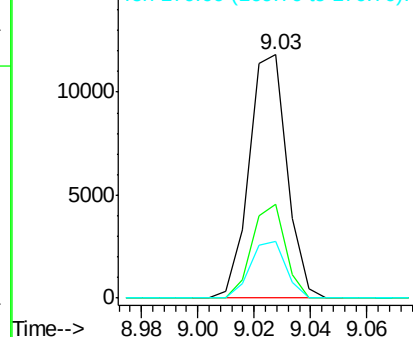
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	29.6	44.4
170	23.5	19.8	29.8

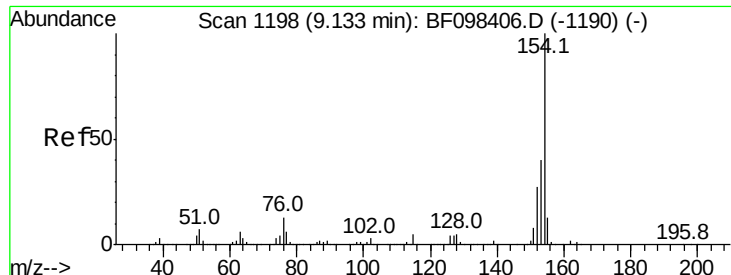
Abundance

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: 2.829 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF098440.D

Acq: 12 Sep 2017 9:19

Instrument :

BNA_F

ClientSampled :

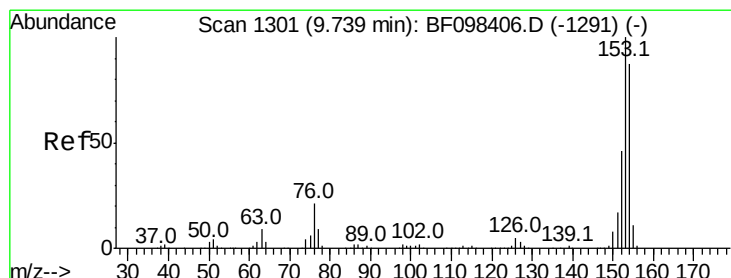
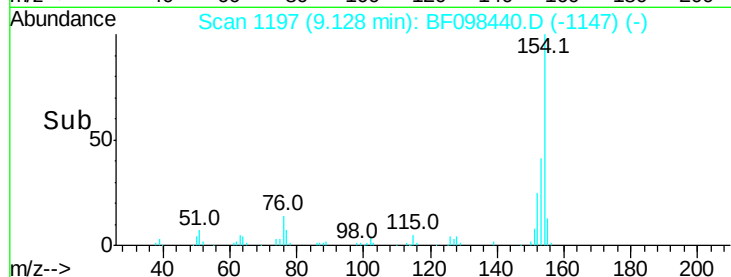
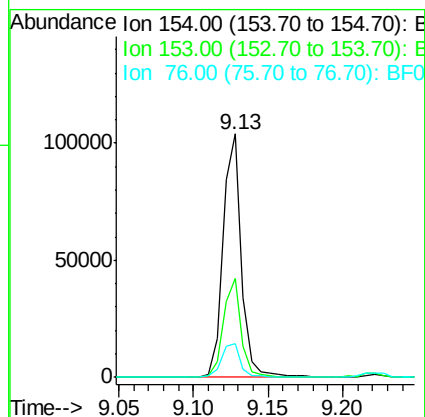
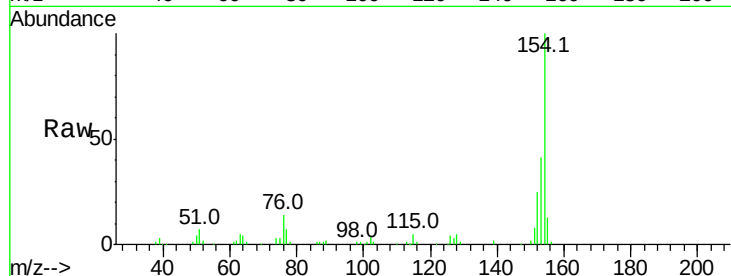
NYSEG-PH4-ESMI2-5DL

Tot Ion:	154	Resp:	90173
Ion Ratio	Lower	Upper	
154	100		
153	40.5	21.2	61.2
76	14.0	0.0	29.9

Manual Integrations
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#51

Acenaphthene

Concen: 16.045 ng

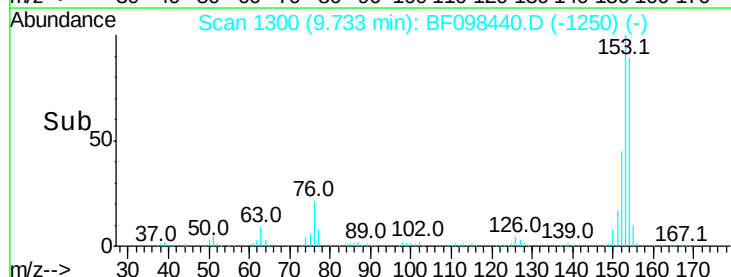
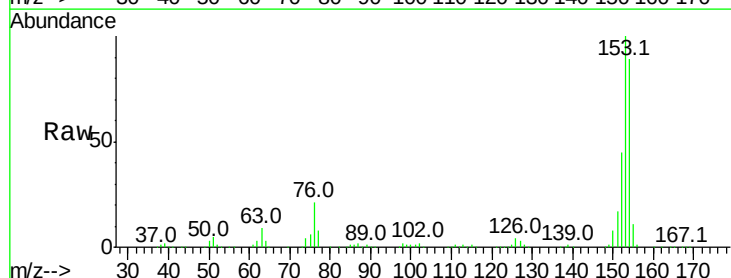
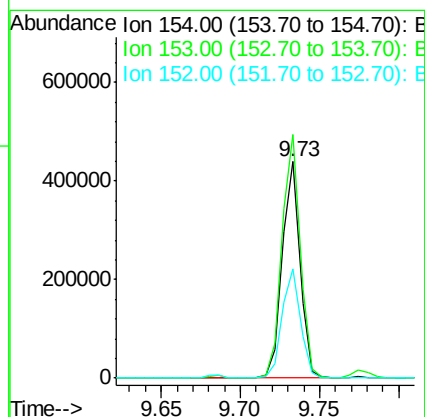
RT: 9.73 min Scan# 1300

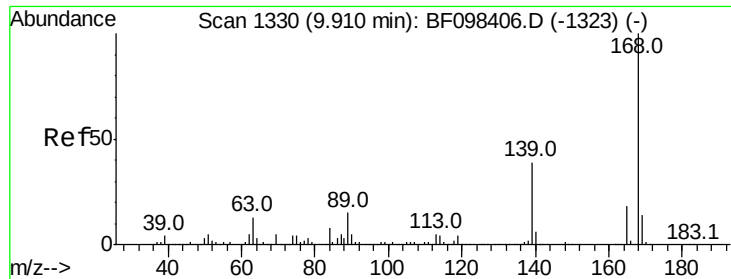
Delta R.T. -0.01 min

Lab File: BF098440.D

Acq: 12 Sep 2017 9:19

Tgt Ion:	154	Resp:	345196
Ion Ratio	Lower	Upper	
154	100		
153	112.6	90.5	135.7
152	50.6	43.6	65.4





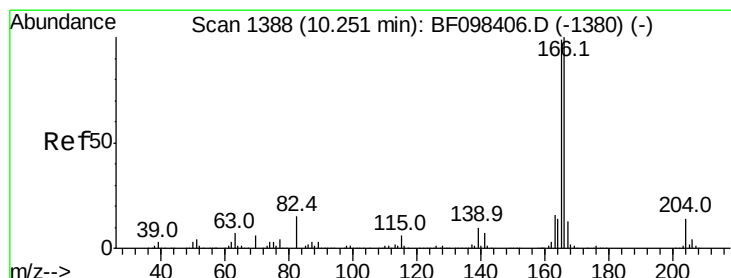
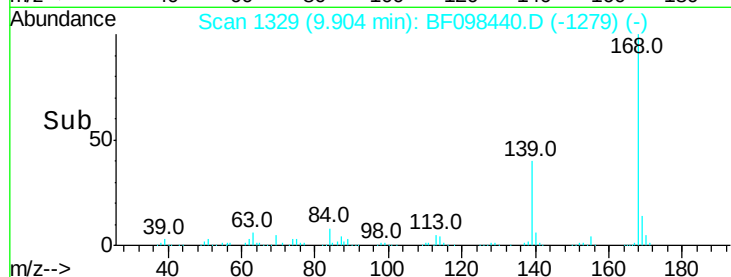
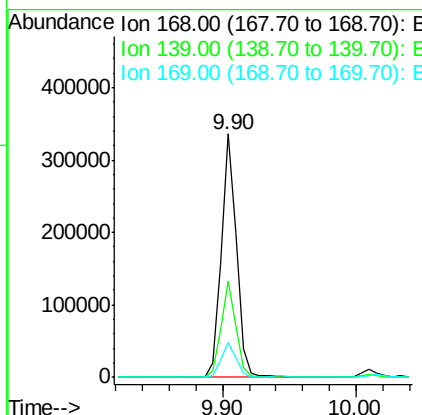
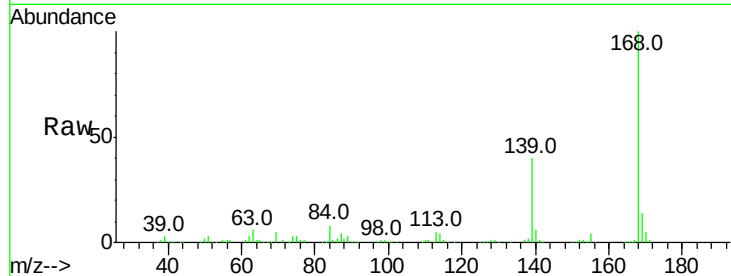
#54
Dibenzenofuran
Concen: 9.599 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-5DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	272076		
139	39.6		30.6	45.8
169	14.2		10.8	16.2

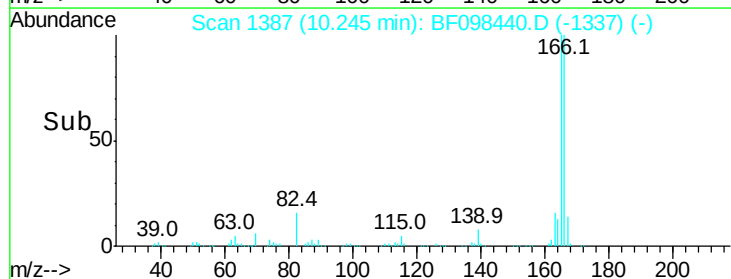
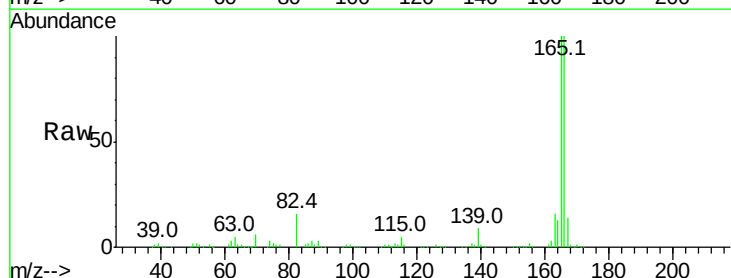
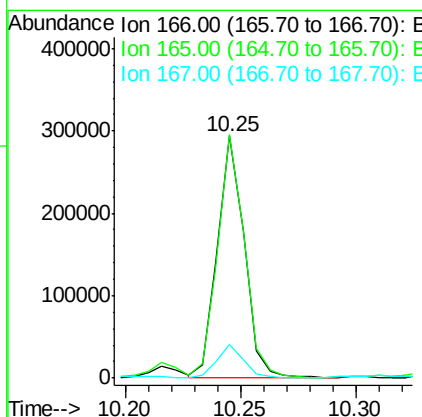
Manual Integrations
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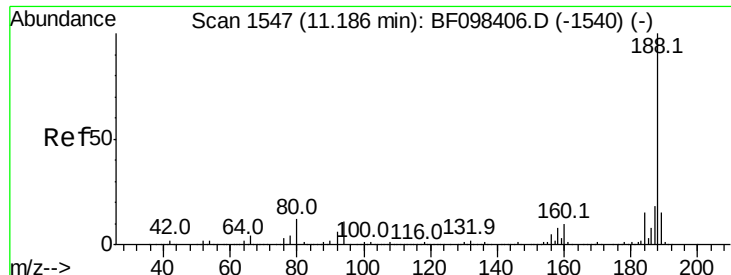
Sohil
9/12/2017 6:02:27 PM



#57
Fluorene
Concen: 9.980 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	234124		
165	100.5		78.8	118.2
167	14.1		10.6	16.0





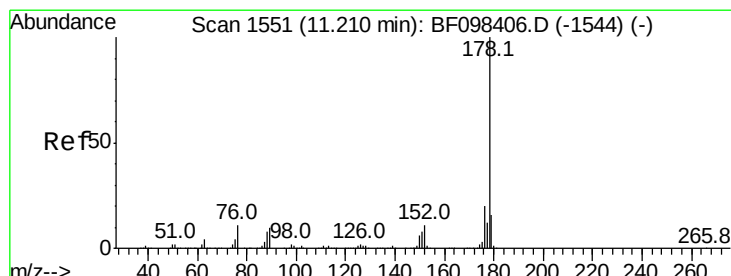
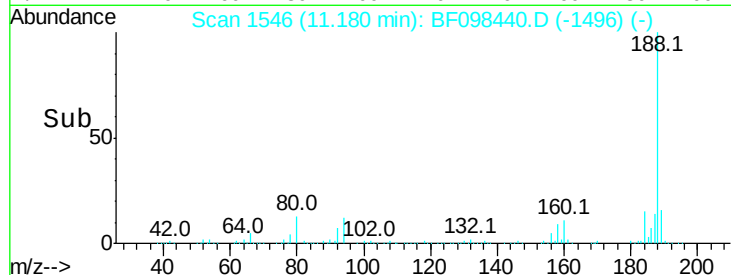
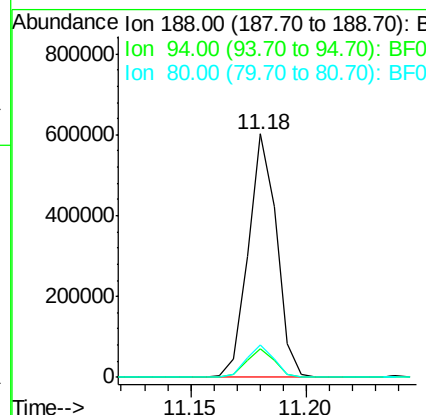
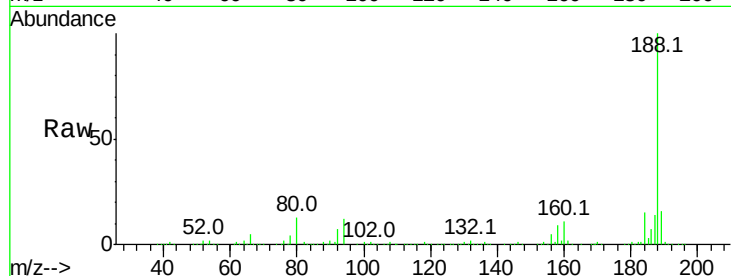
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-5DL

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.0	9.4	14.2
80	13.4	10.2	15.2

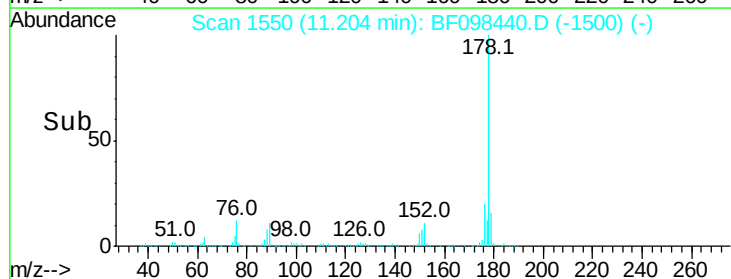
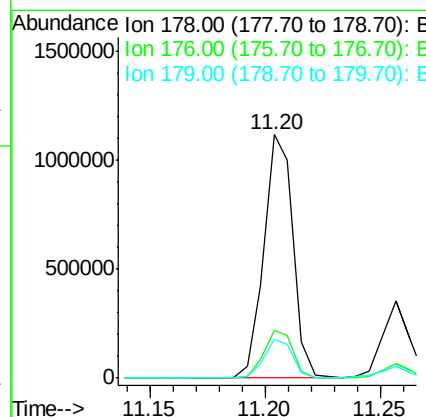
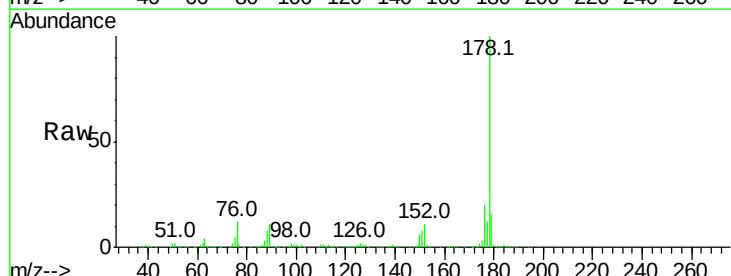
Manual Integrations
APPROVED

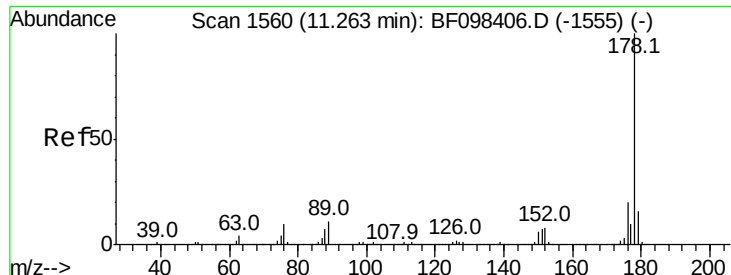
Sohil
9/12/2017 6:02:27 PM



#70
Phenanthrene
Concen: 35.723 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	16.2	24.4
179	15.8	12.6	19.0





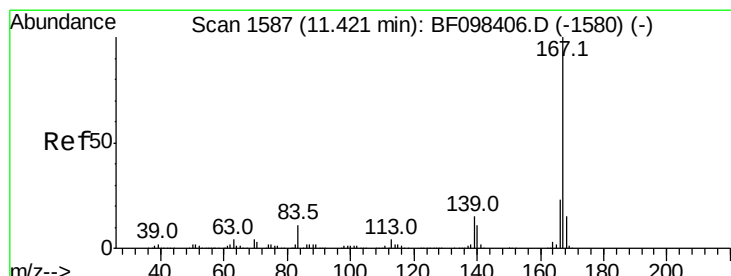
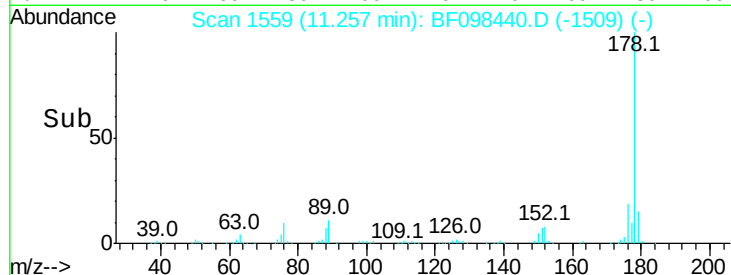
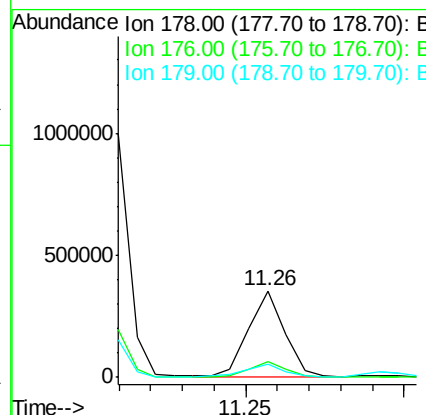
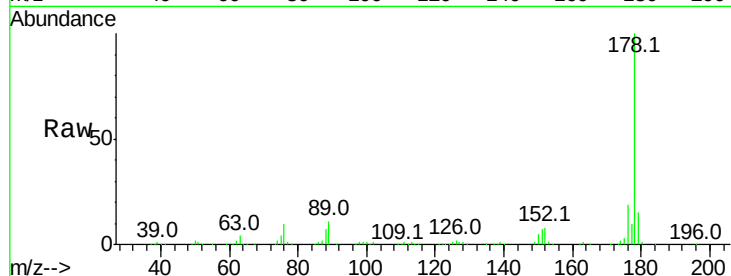
#71
 Anthracene
 Concen: 9.805 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF098440.D
 Acq: 12 Sep 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-5DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.1	12.7	19.1

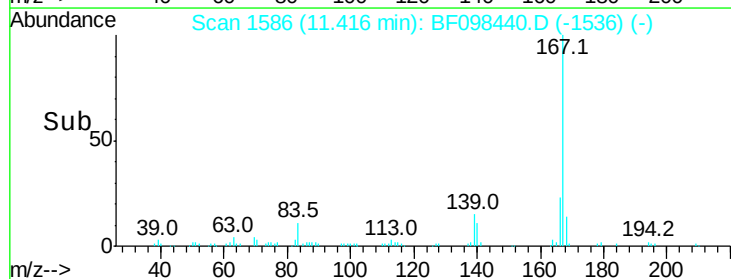
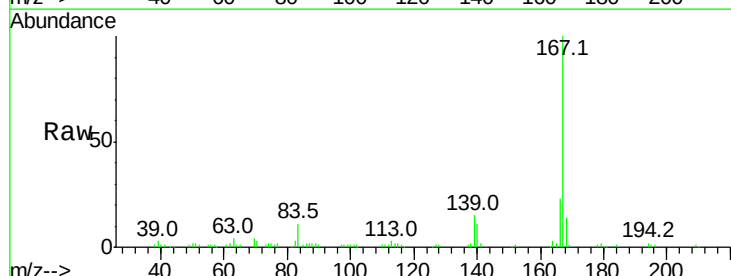
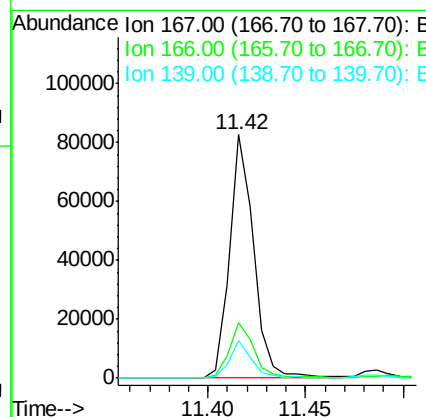
Manual Integrations
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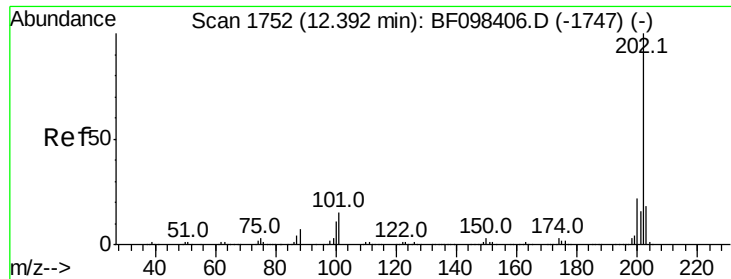
Sohil
 9/12/2017 6:02:27 PM



#72
 Carbazole
 Concen: 2.702 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF098440.D
 Acq: 12 Sep 2017 9:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.1	27.1
139	15.2	11.7	17.5





#74

Fluoranthene

Concen: 21.086 ng

RT: 12.39 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BF098440.D

Acq: 12 Sep 2017 9:19

Instrument :

BNA_F

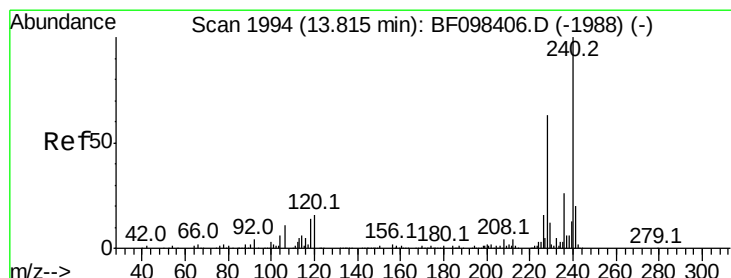
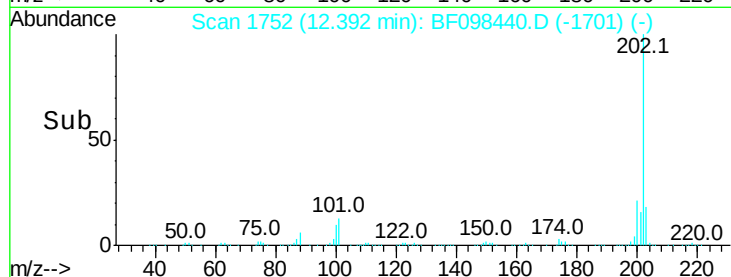
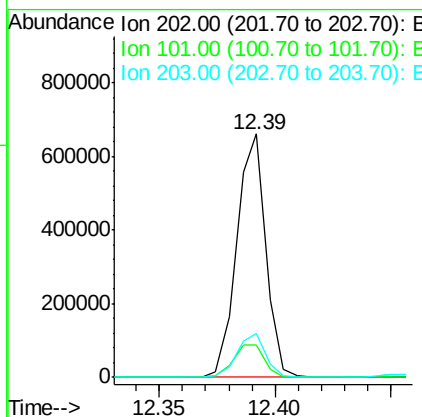
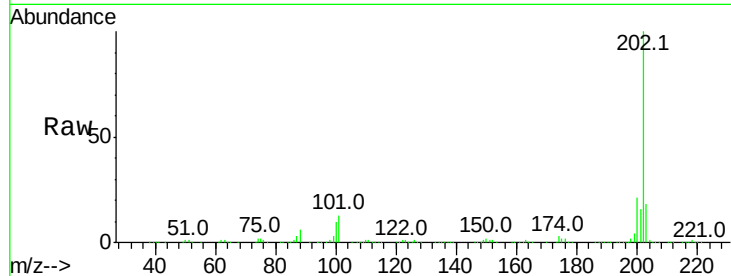
ClientSampleId :

NYSEG-PH4-ESMI2-5DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

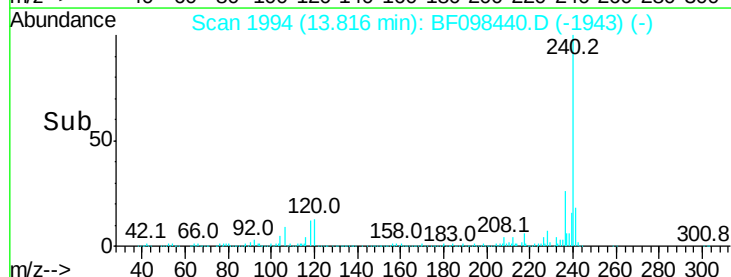
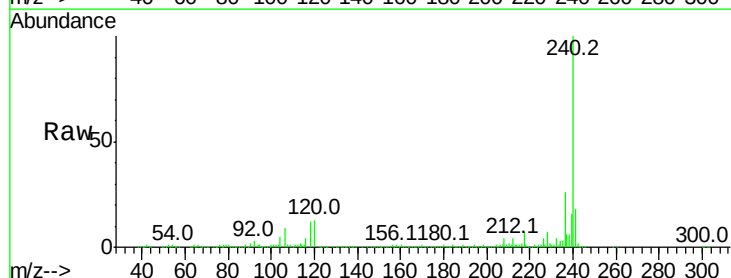
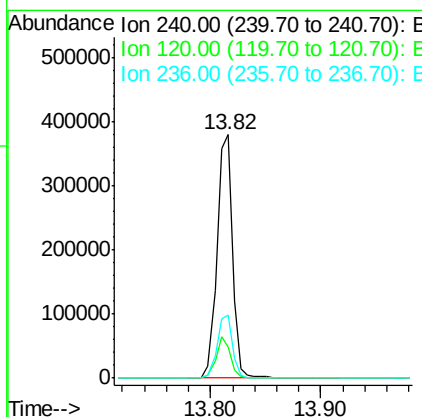
RT: 13.82 min Scan# 1994

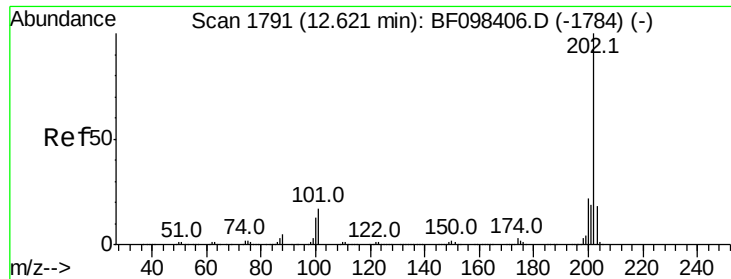
Delta R.T. 0.00 min

Lab File: BF098440.D

Acq: 12 Sep 2017 9:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.8	5.8	8.8#
236	26.0	20.5	30.7





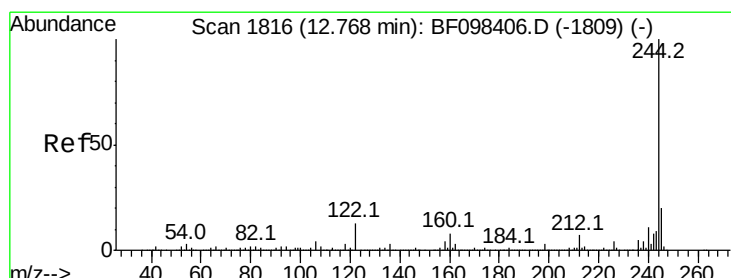
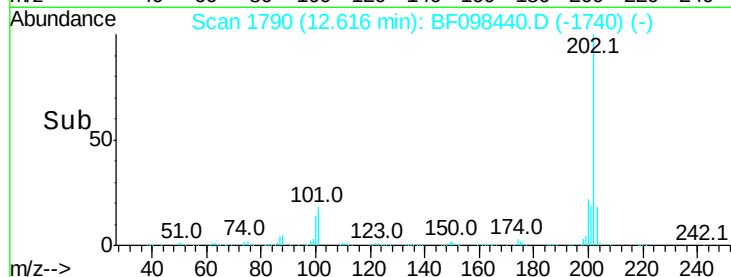
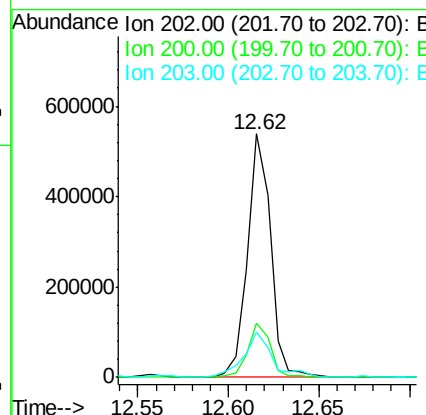
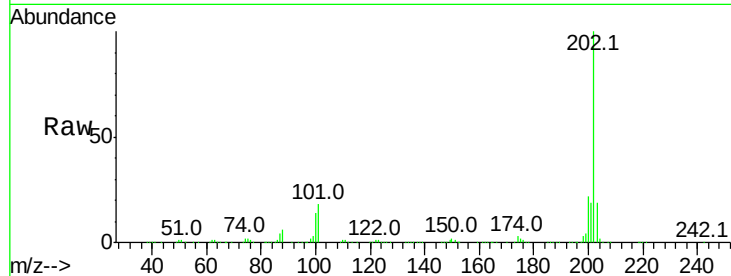
#77
Pvrene
Concen: 16.235 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-5DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.6	26.4
203	18.5	14.4	21.6

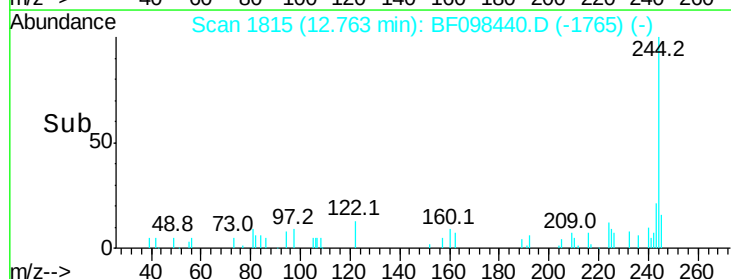
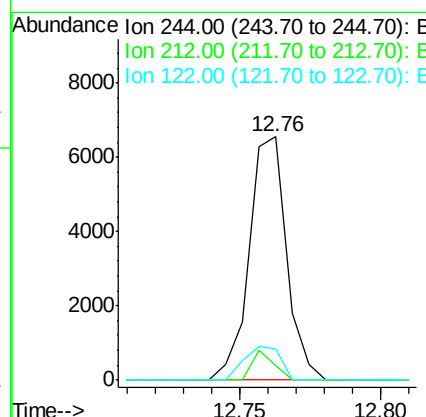
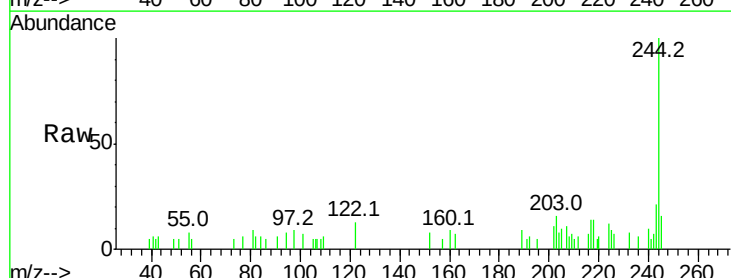
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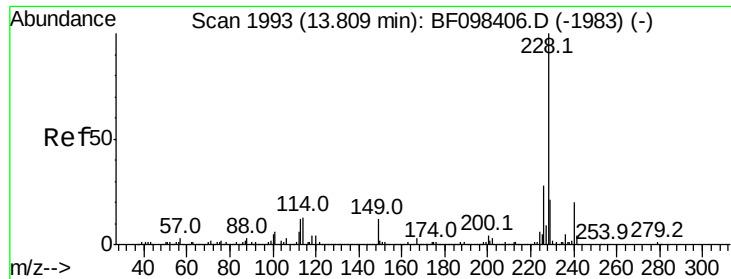
Sohil
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#78
Terphenyl-d14
Concen: 0.349 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.8	6.0	9.0#
122	12.6	10.3	15.5





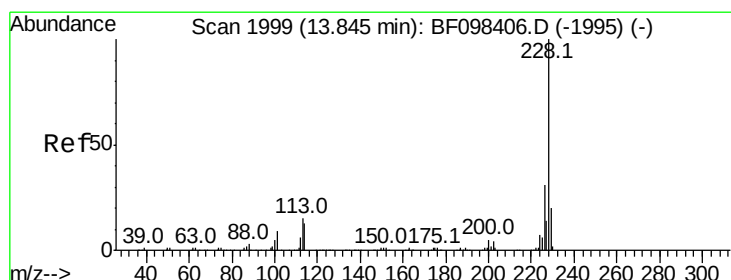
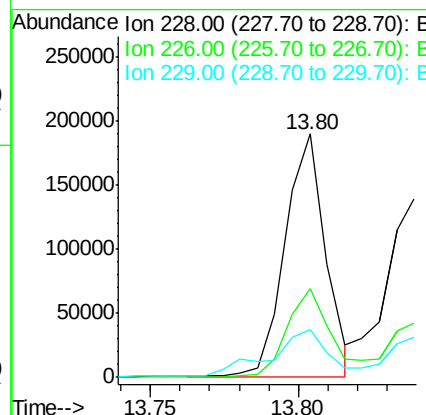
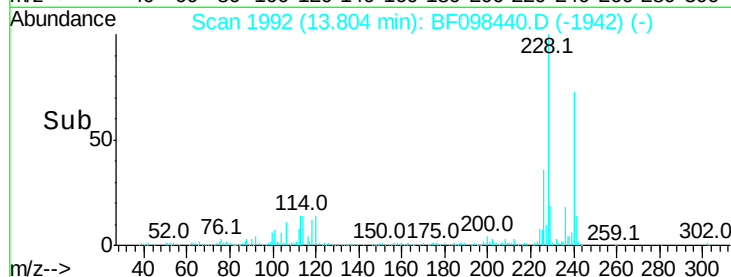
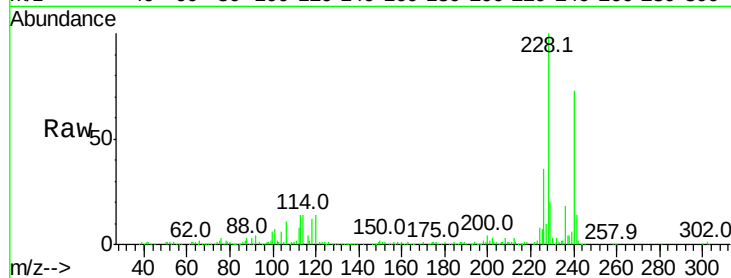
#80
Benzo(a)anthracene
Concen: 8.271 ng m
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-5DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.3	22.6	33.8#
229	19.7	16.3	24.5

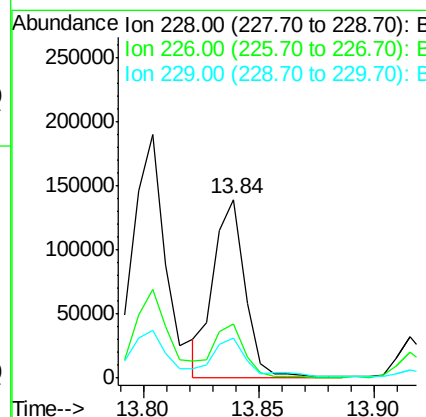
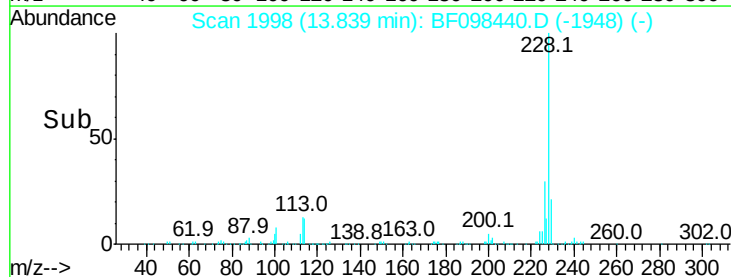
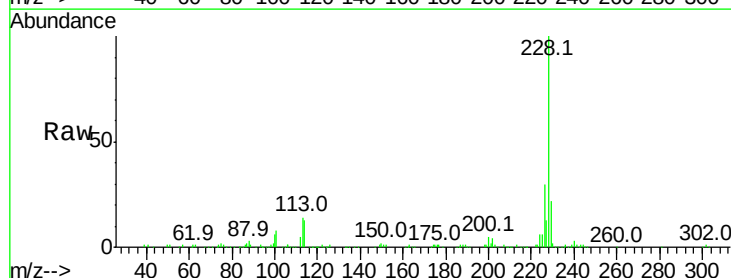
Manual Integrations
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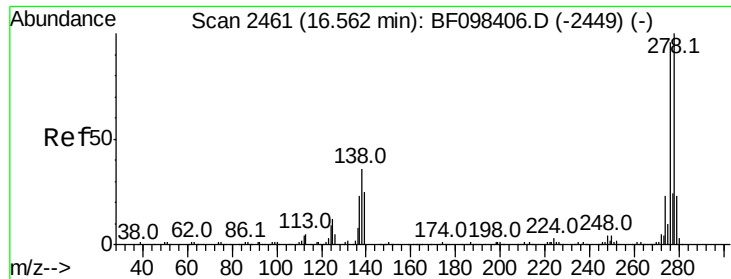
Sohil
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#82
Chrysene
Concen: 5.988 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	22.1	15.8	23.6





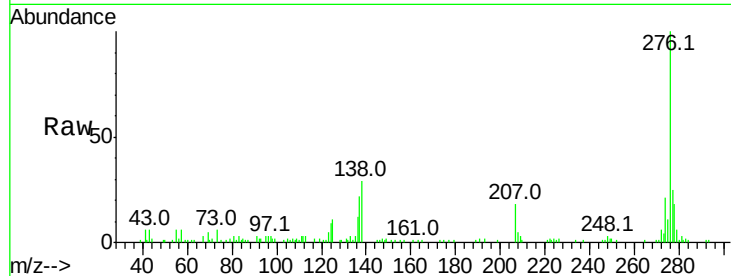
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.948 ng
 RT: 16.55 min Scan# 2459
 Delta R.T. -0.01 min
 Lab File: BF098440.D
 Acq: 12 Sep 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-5DL

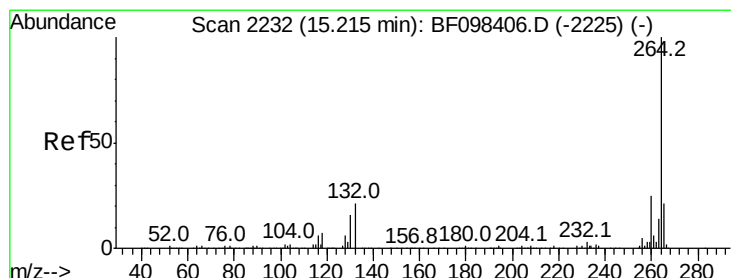
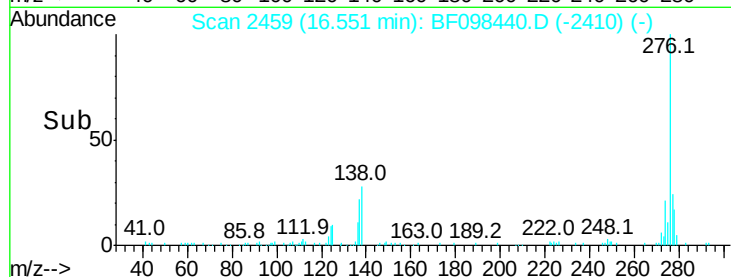
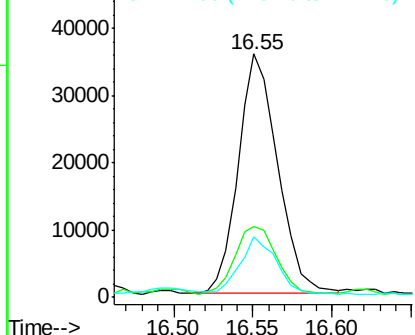
Tot Ion:	276	Resp:	61098
Ion Ratio	Lower	Upper	
276	100		
138	31.5	27.8	41.6
277	22.3	20.2	30.4

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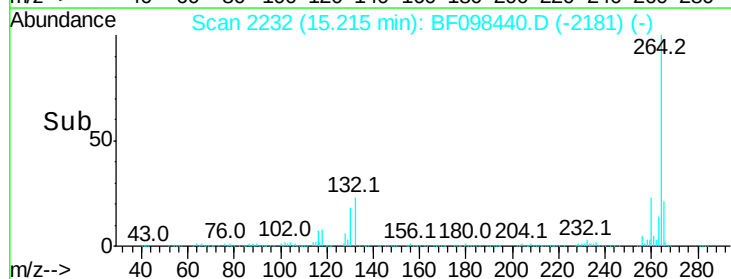
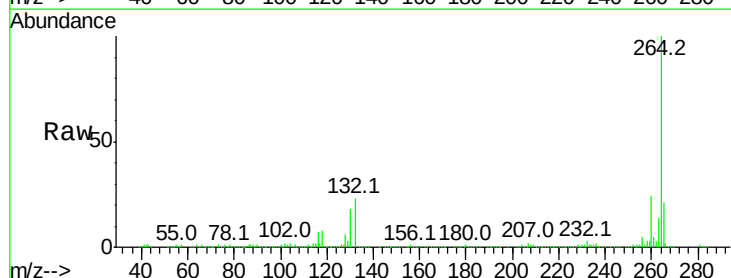
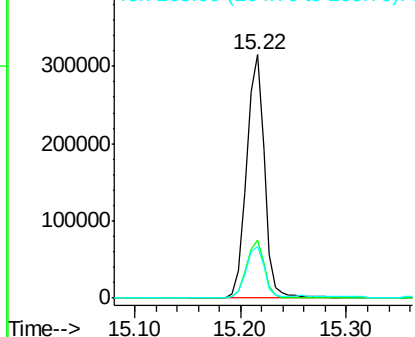
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

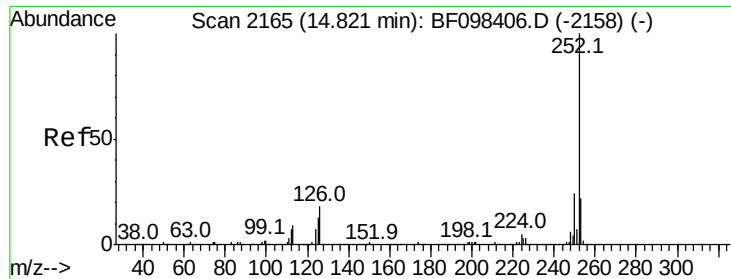


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2232
 Delta R.T. 0.00 min
 Lab File: BF098440.D
 Acq: 12 Sep 2017 9:19

Tgt Ion:	264	Resp:	371238
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.5	29.3
265	21.4	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





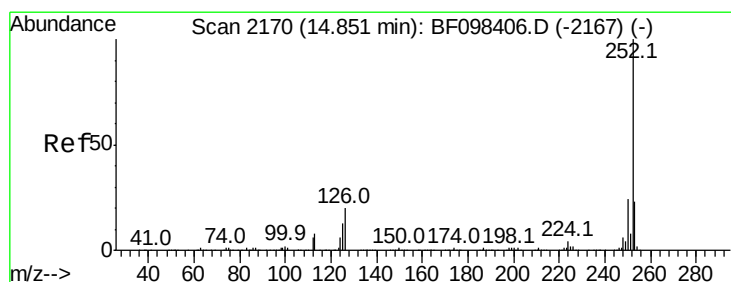
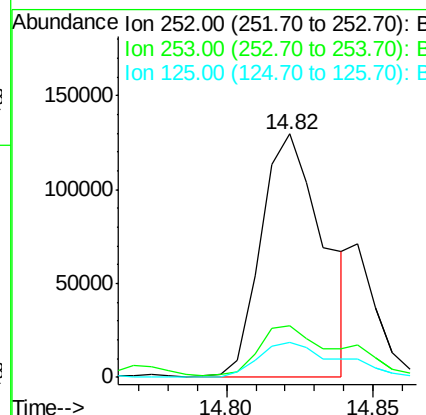
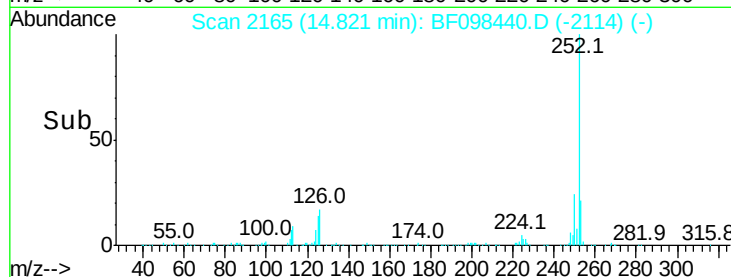
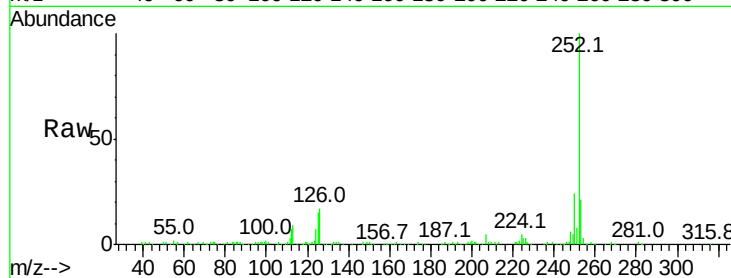
#87
Benzo(b)fluoranthene
Concen: 8.285 ng m
RT: 14.82 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.1	27.1
125	14.5	9.8	14.8

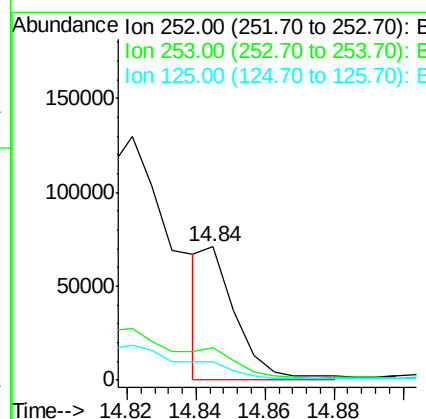
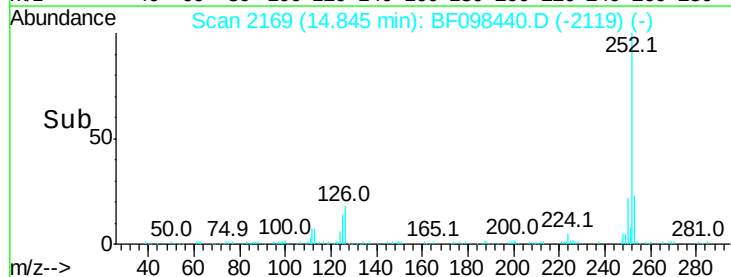
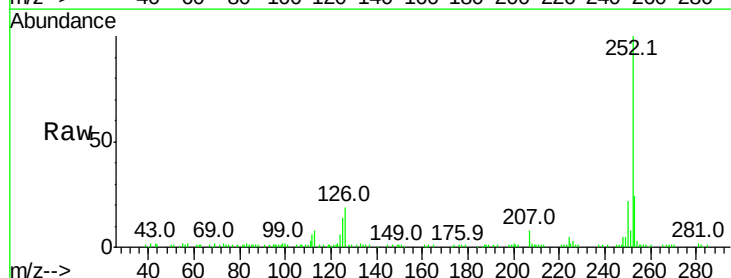
Manual Integrations
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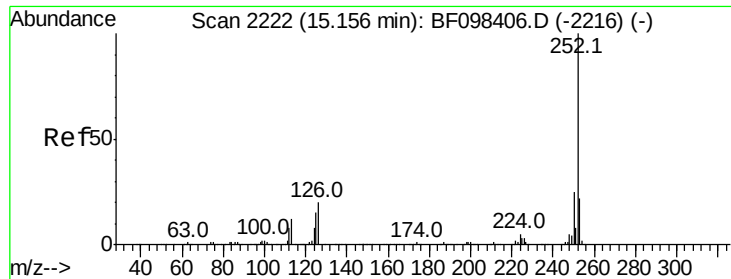
Sohil
9/12/2017 6:02:27 PM



#88
Benzo(k)fluoranthene
Concen: 2.146 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	14.2	13.1	19.7





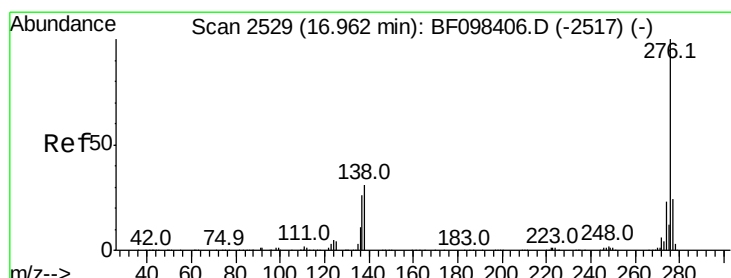
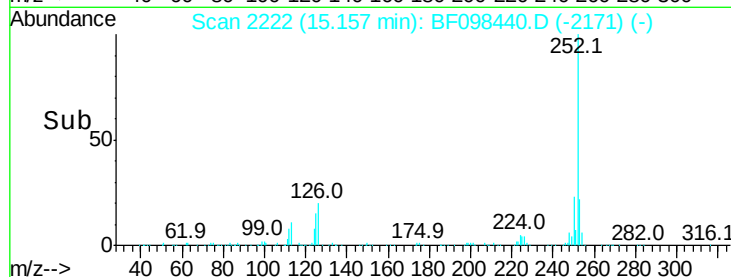
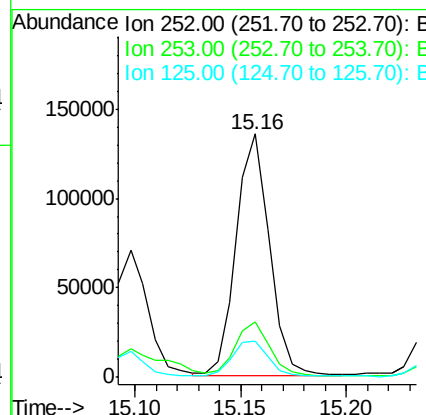
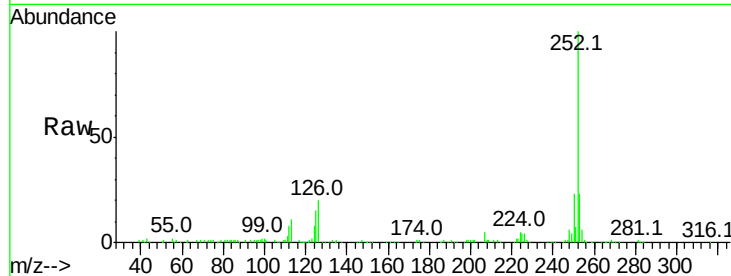
#89
Benzo(a)pyrene
Concen: 7.111 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	15.1	11.0	16.4

Manual Integrations
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Sohil
9/12/2017 6:02:27 PM



#91
Benzo(g,h,i)perylene
Concen: 3.720 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF098440.D
Acq: 12 Sep 2017 9:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.6	28.0
138	37.4	25.4	38.0

