

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109286.D
 Acq On : 25 Sep 2018 15:33
 Operator : JU/SJ
 Sample : J5042-04 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLRK-PH4-A9-B1

Manual Integrations
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 9/26/2018 3:40:57 PM

Quant Time: Sep 26 09:41:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	114209	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	448557	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	214790	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	357167	20.00	ng	0.00
75) Chrysene-d12	13.85	240	272588	20.00	ng	0.00
86) Perylene-d12	15.26	264	277143	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	262895	37.91	ng	0.00
7) Phenol-d6	6.34	99	339295	38.35	ng	-0.02
23) Nitrobenzene-d5	7.26	82	206292	27.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	72279	34.14	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	396755	27.86	ng	-0.01
78) Terphenyl-d14	12.80	244	305580	27.51	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.01	128	239861	11.443	ng	99
37) 2-Methylnaphthalene	8.70	142	81018	5.996	ng	99
48) Acenaphthylene	9.60	152	92028	4.363	ng	98
49) Dimethylphthalate	9.46	163	110029	7.043	ng	99
51) Acenaphthene	9.77	154	136839	10.731	ng	99
54) Dibenzofuran	9.95	168	133734	7.052	ng	97
57) Fluorene	10.29	166	161602	11.943	ng	97
70) Phenanthrene	11.25	178	893409	50.098	ng	99
71) Anthracene	11.29	178	386053	21.343	ng	99
72) Carbazole	11.45	167	38226	2.124	ng	98
74) Fluoranthene	12.43	202	1145176	60.089	ng	97
77) Pyrene	12.66	202	986467	50.495	ng	99
80) Benzo(a)anthracene	13.84	228	631875m	38.485	ng	
82) Chrysene	13.87	228	492573	30.268	ng	97
85) Indeno(1,2,3-cd)pyrene	16.61	276	206519	15.656	ng	# 89
87) Benzo(b)fluoranthene	14.86	252	587206m	38.559	ng	
88) Benzo(k)fluoranthene	14.89	252	241698m	16.725	ng	
89) Benzo(a)pyrene	15.20	252	462407	33.697	ng	96
90) Dibenzo(a,h)anthracene	16.61	278	58450	5.192	ng	# 90
91) Benzo(a,h,i)perylene	17.01	276	172796	15.618	ng	# 91

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

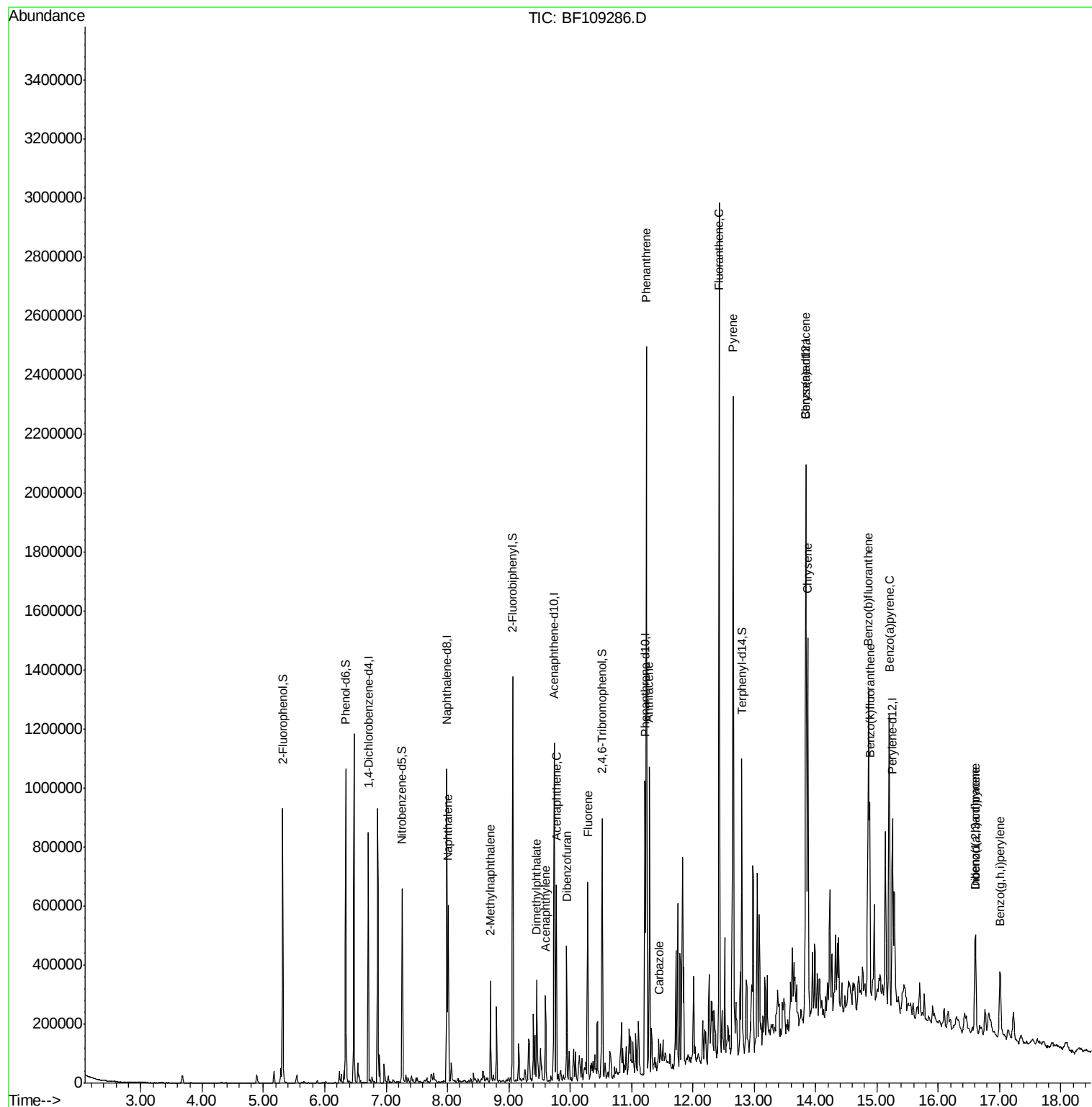
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
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#1

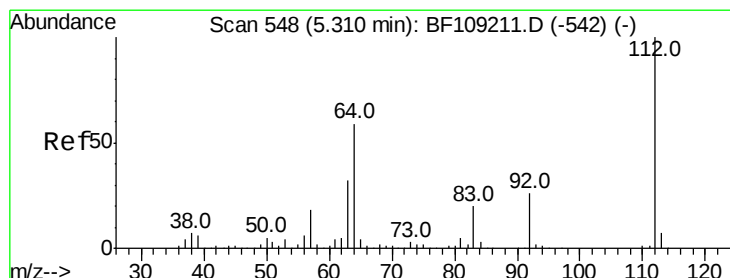
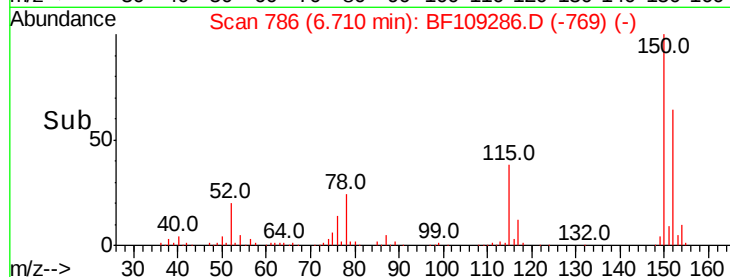
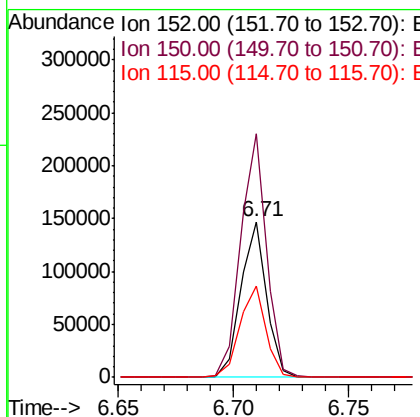
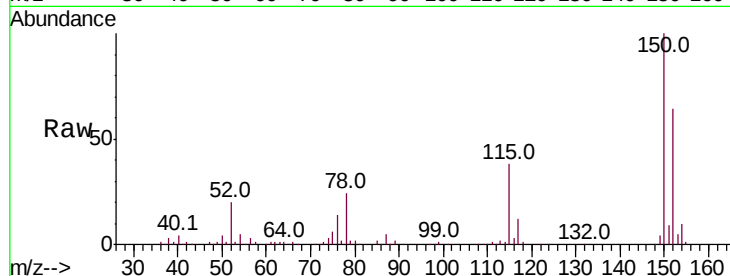
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A9-B1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	59.1	50.1	75.1

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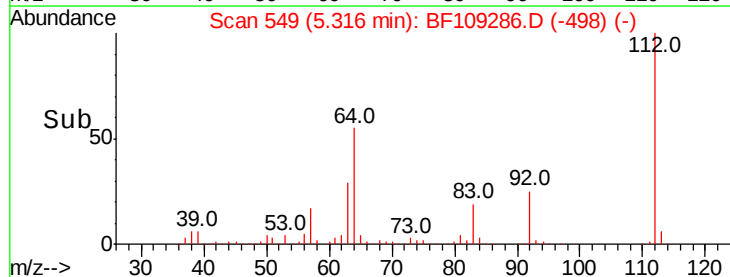
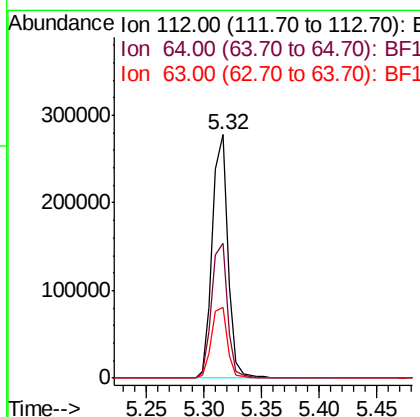
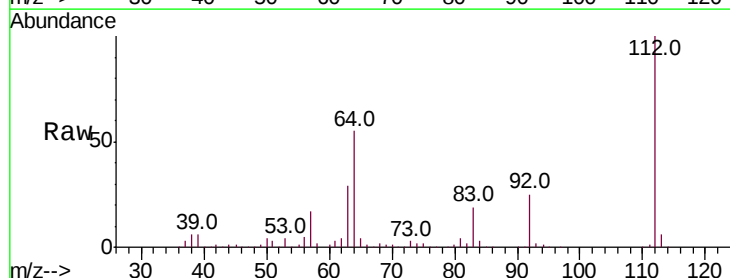
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#5

2-Fluorophenol
Concen: 37.914 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 38.347 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Instrument :

BNA_F

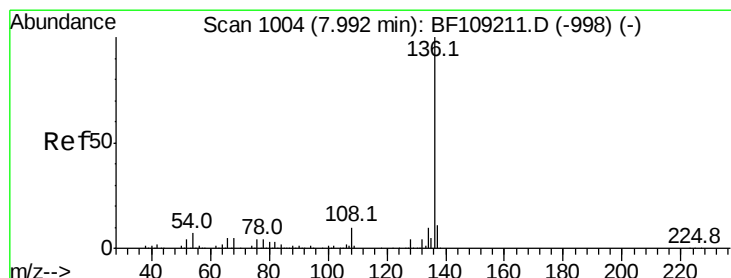
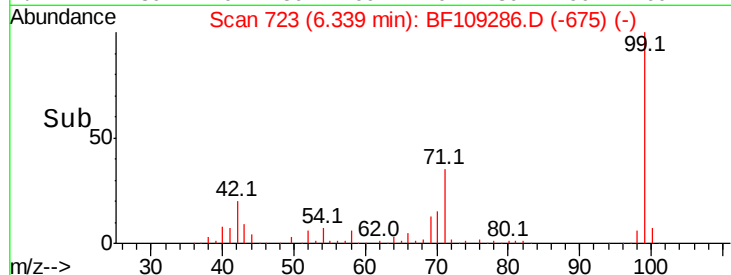
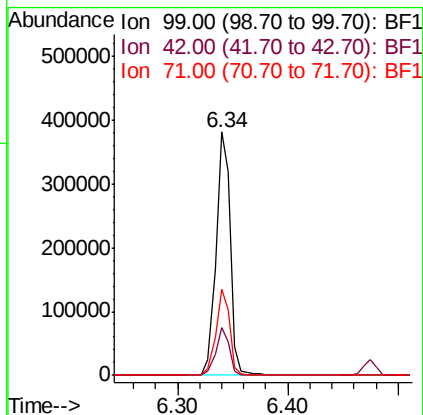
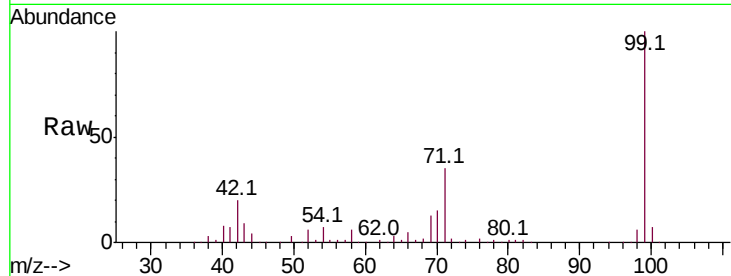
ClientSampleId :

NYSEG-CLRK-PH4-A9-B1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		339295		
42	19.7	14.5	21.7		
71	35.4	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

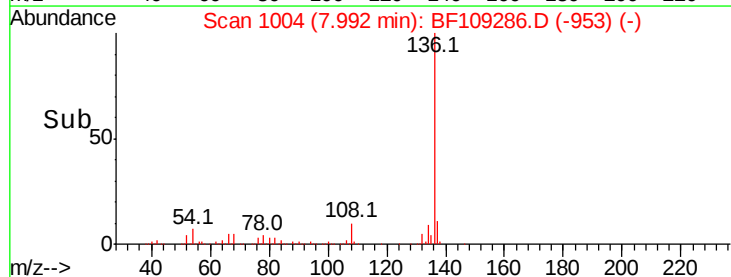
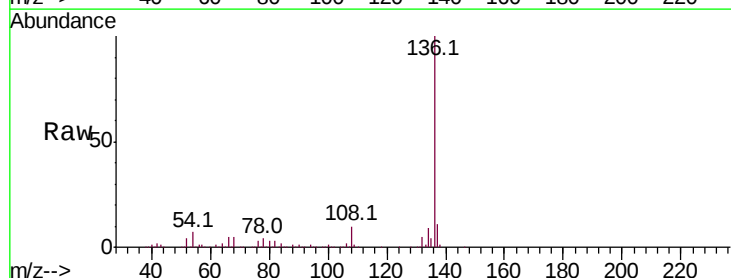
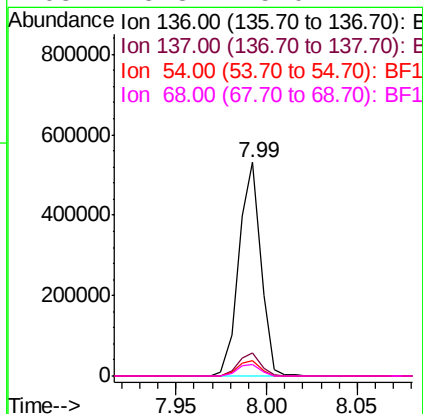
RT: 7.99 min Scan# 1004

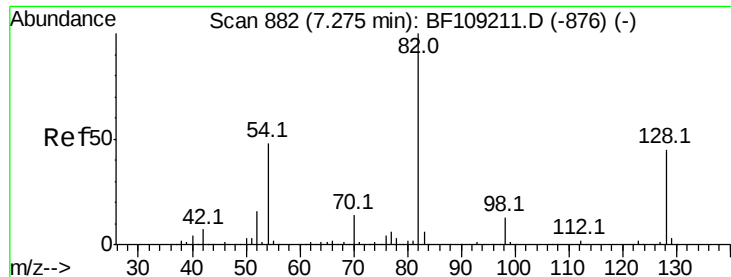
Delta R.T. 0.00 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		448557		
137	11.1	8.9	13.3		
54	7.0	6.6	9.8		
68	5.3	5.0	7.4		





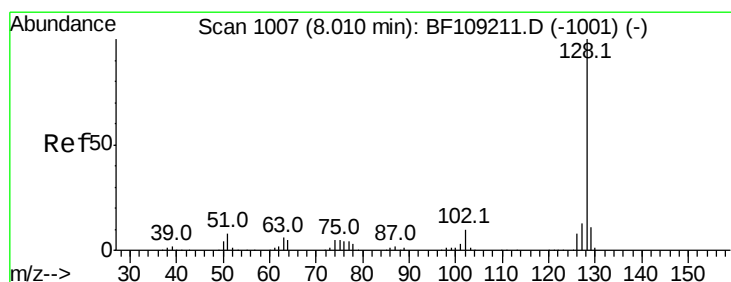
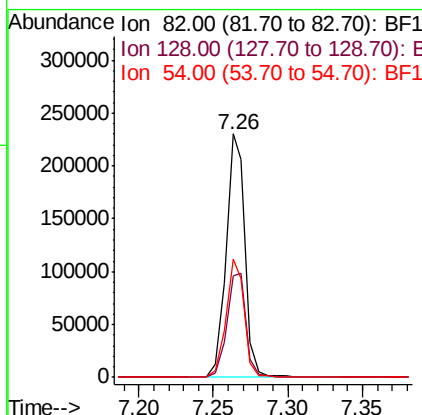
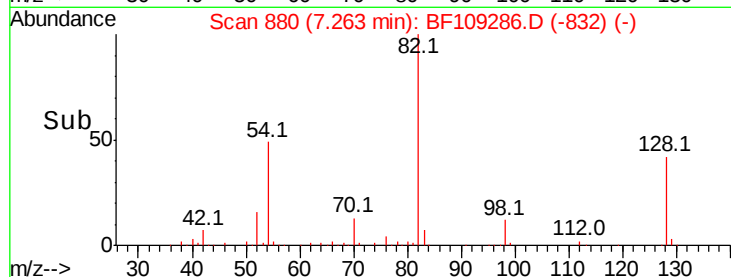
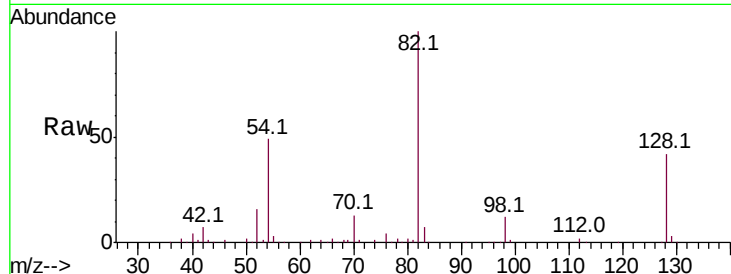
#23
Nitrobenzene-d5
Concen: 27.149 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A9-B1

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.7	36.1	54.1	
54	48.7	41.4	62.2	

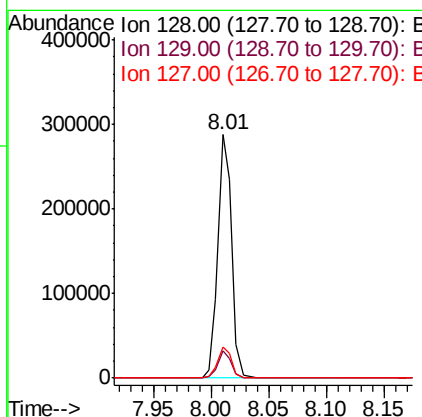
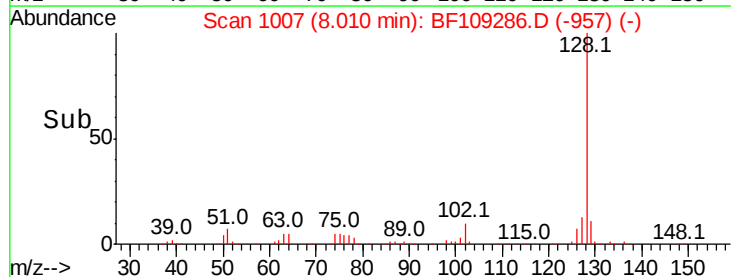
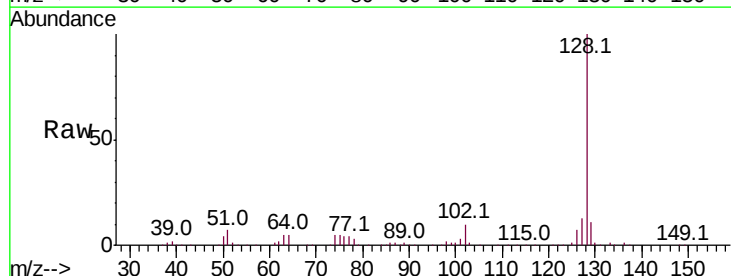
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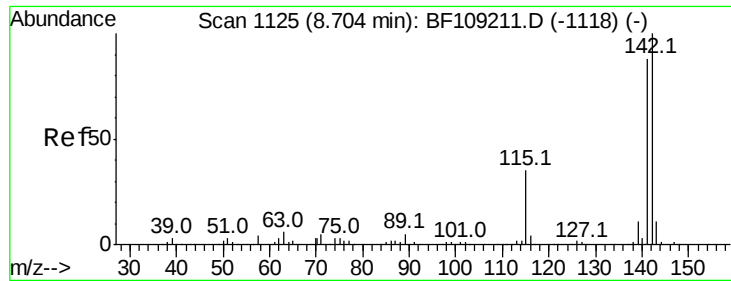
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#31
Naphthalene
Concen: 11.443 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	8.8	13.2	
127	13.0	10.9	16.3	





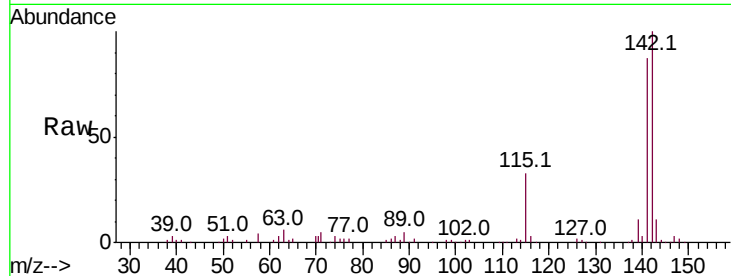
#37
2-Methylnaphthalene
Concen: 5.996 ng
RT: 8.70 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A9-B1

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2
115	32.8	26.1	39.1

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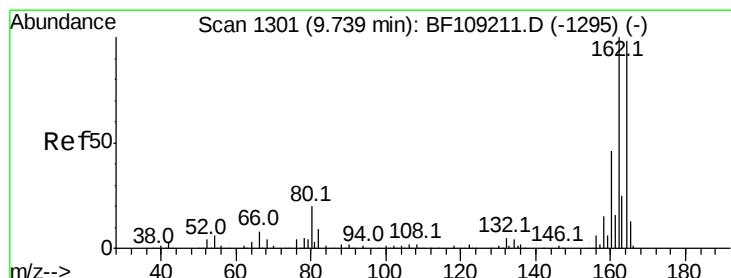
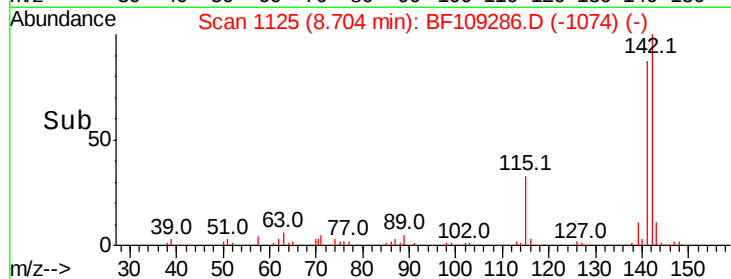
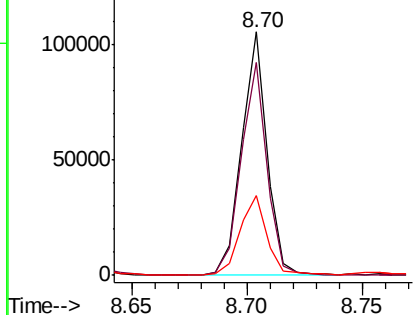


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

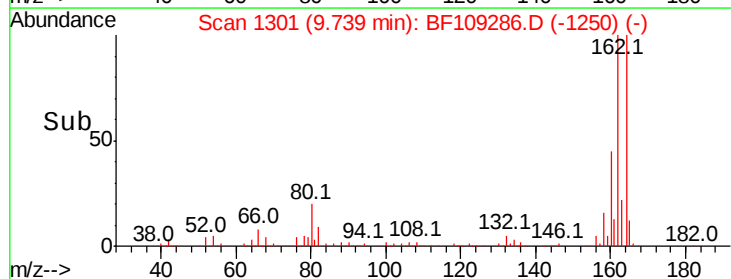
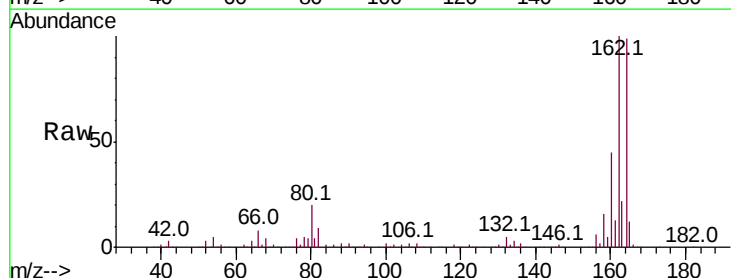
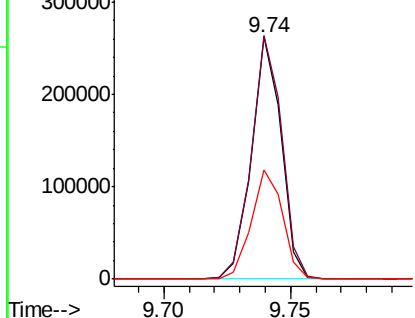
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	86.1	129.1
160	45.4	38.3	57.5

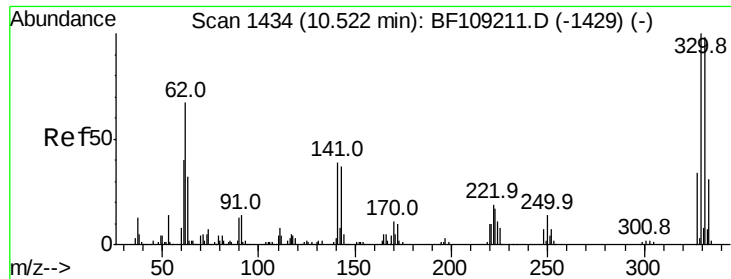
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





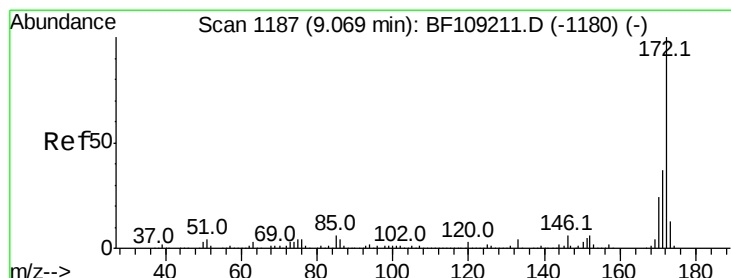
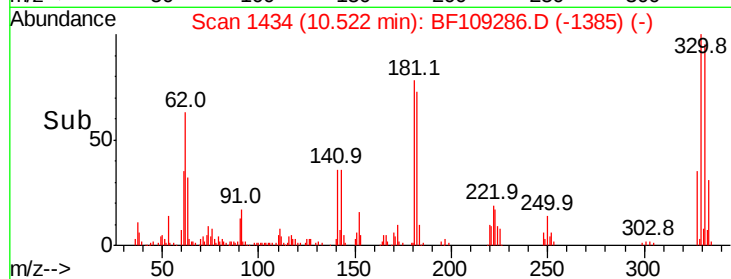
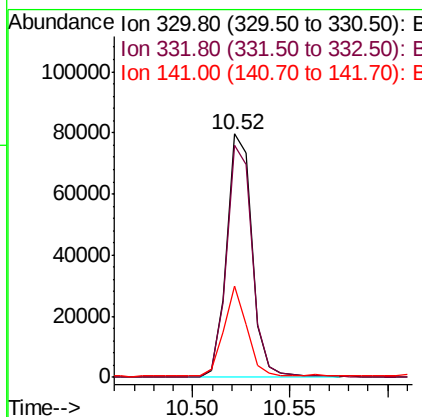
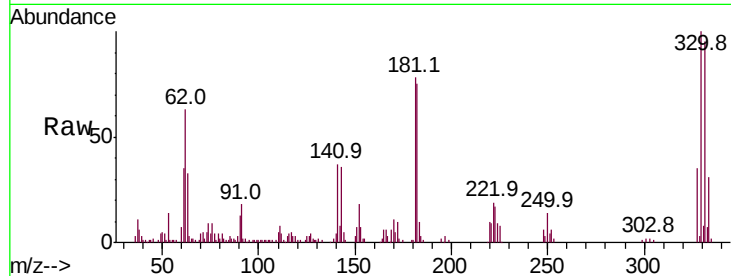
#41
 2,4,6-Tribromophenol
 Concen: 34.136 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109286.D
 Acq: 25 Sep 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLRK-PH4-A9-B1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	33.6	29.9	44.9

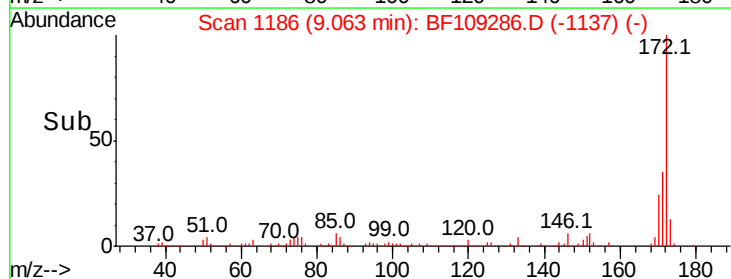
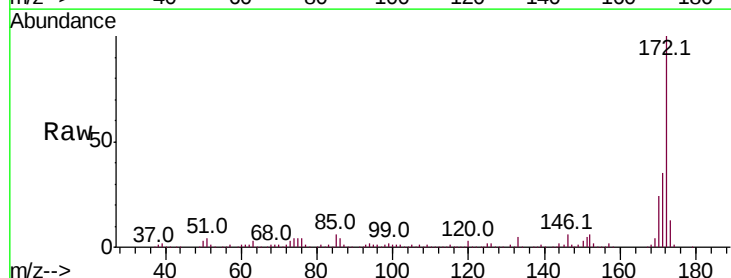
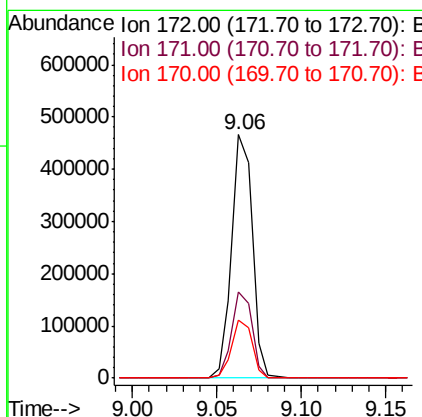
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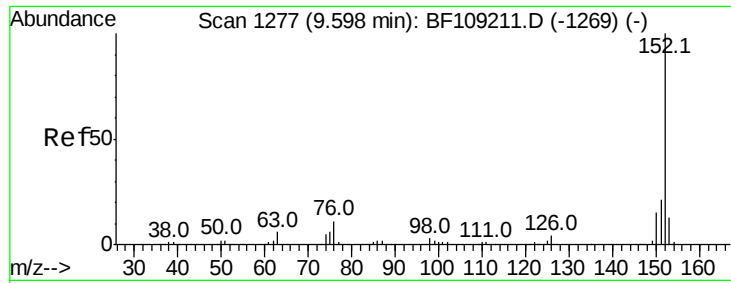
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#44
 2-Fluorobiphenyl
 Concen: 27.859 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109286.D
 Acq: 25 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.9	19.6	29.4





#48

Acenaphthylene

Concen: 4.363 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Instrument :

BNA_F

ClientSampleId :

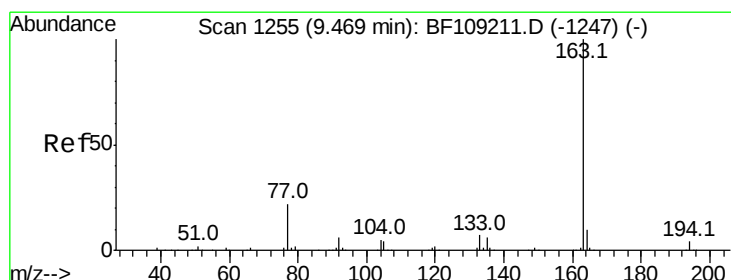
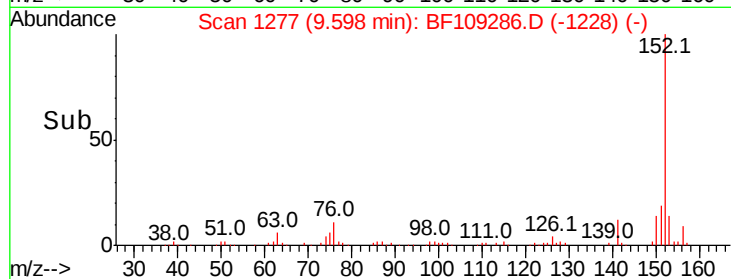
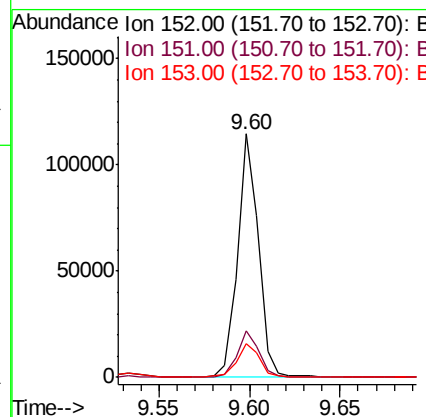
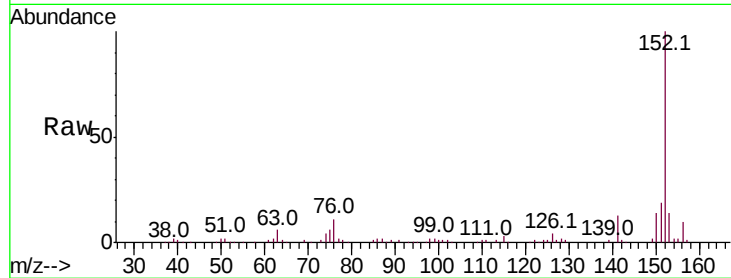
NYSEG-CLRK-PH4-A9-B1

Tot Ion:	152	Resp:	92028
Ion Ratio	Lower	Upper	
152	100		
151	19.0	16.3	24.5
153	13.8	10.7	16.1

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#49

Dimethylphthalate

Concen: 7.043 ng

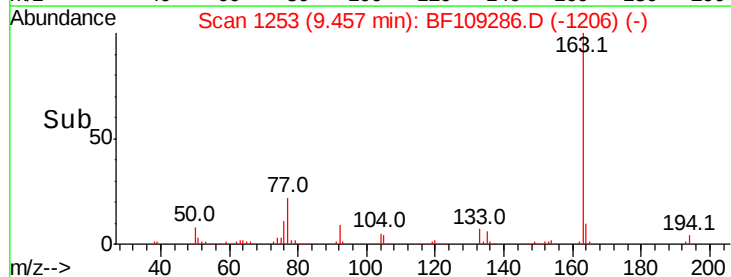
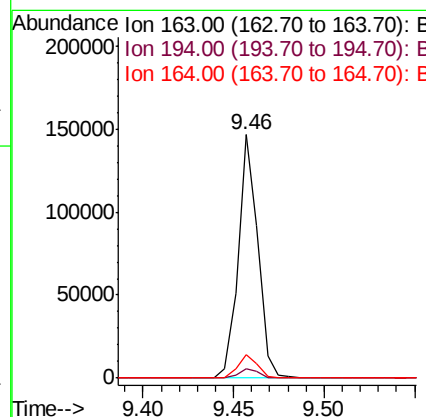
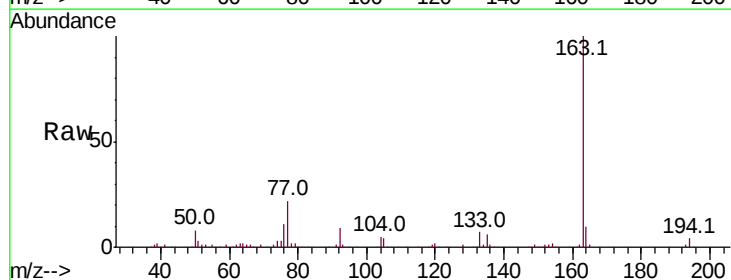
RT: 9.46 min Scan# 1253

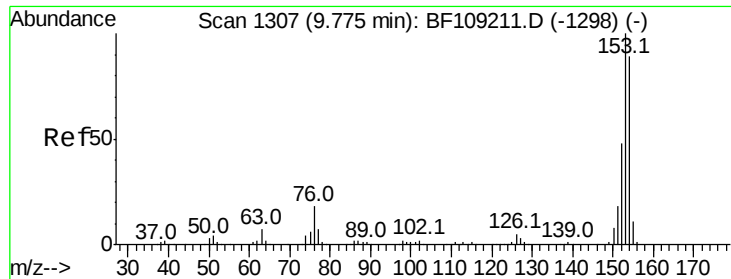
Delta R.T. -0.02 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Tgt Ion:	163	Resp:	110029
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	9.7	8.2	12.2





#51

Acenaphthene

Concen: 10.731 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Instrument :

BNA_F

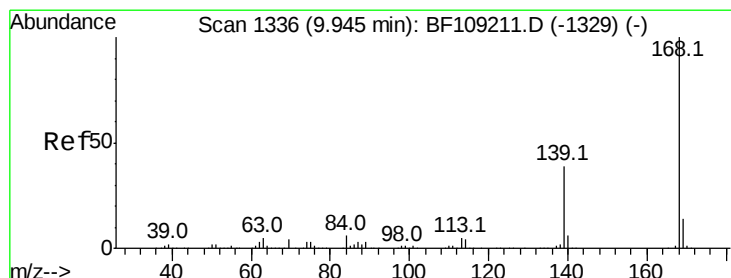
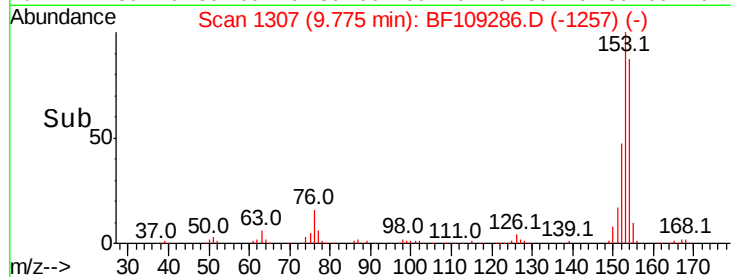
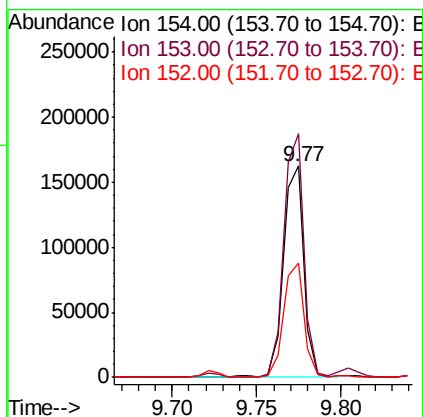
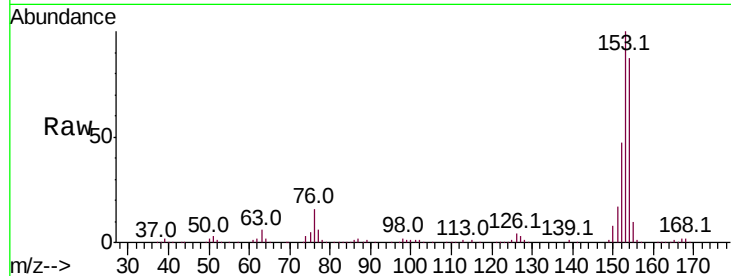
ClientSampleId :

NYSEG-CLRK-PH4-A9-B1

Tot Ion:	154	Resp:	136839
Ion Ratio	Lower	Upper	
154	100		
153	115.2	91.2	136.8
152	54.2	43.8	65.8

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#54

Dibenzofuran

Concen: 7.052 ng

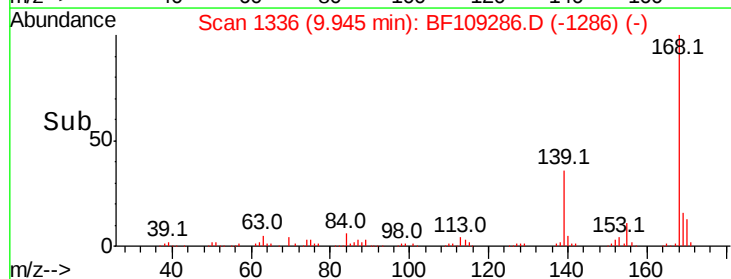
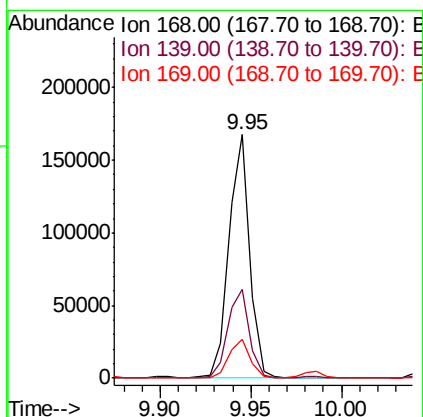
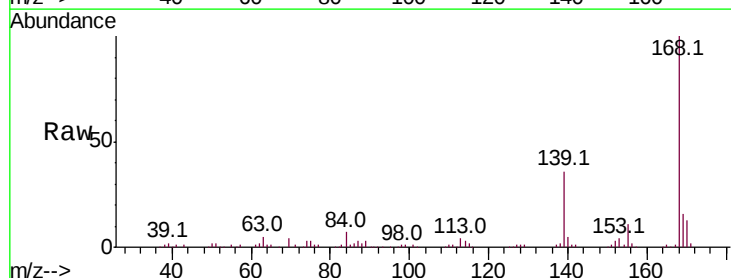
RT: 9.95 min Scan# 1336

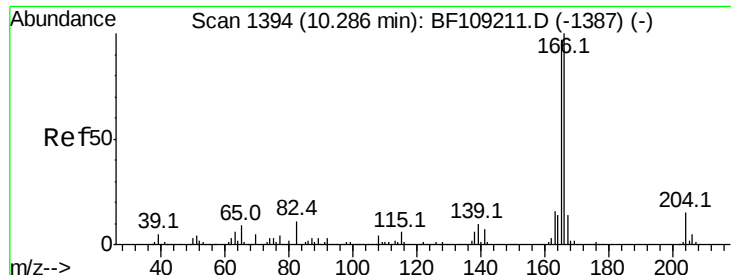
Delta R.T. -0.01 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Tgt Ion:	168	Resp:	133734
Ion Ratio	Lower	Upper	
168	100		
139	36.3	30.1	45.1
169	15.7	10.9	16.3





#57

Fluorene

Concen: 11.943 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Instrument :

BNA_F

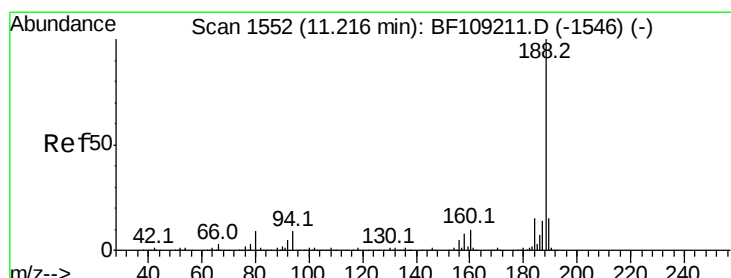
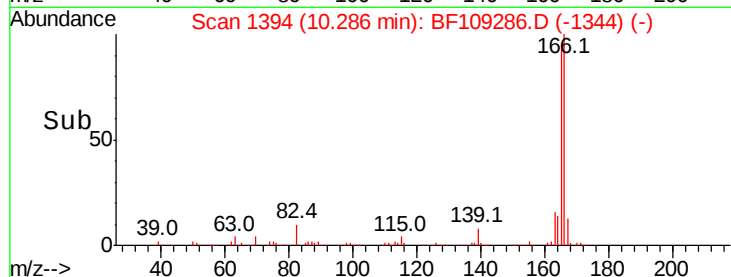
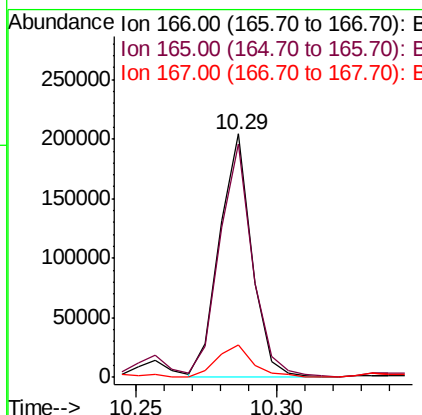
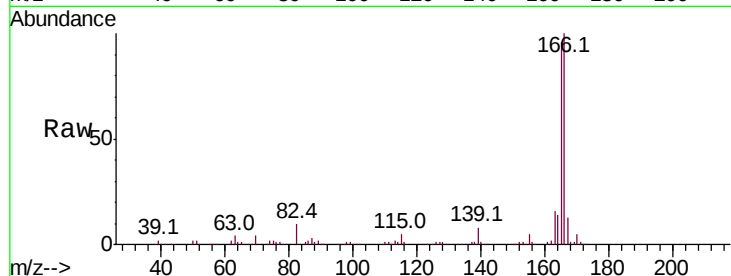
ClientSampleId :

NYSEG-CLRK-PH4-A9-B1

Tot Ion:	166	Resp:	161602
Ion Ratio	Lower	Upper	
166	100		
165	95.9	79.8	119.8
167	13.2	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

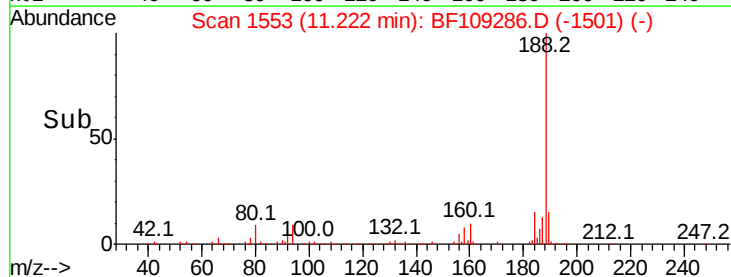
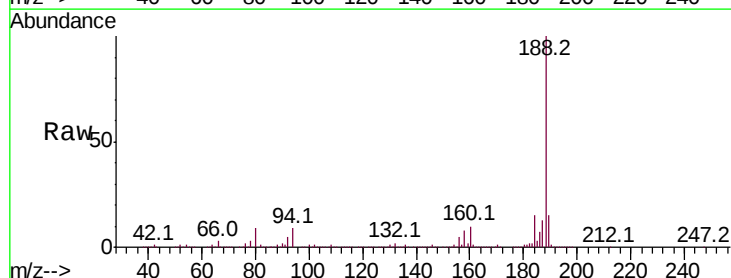
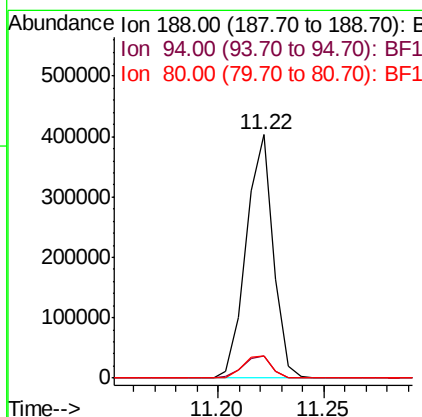
RT: 11.22 min Scan# 1553

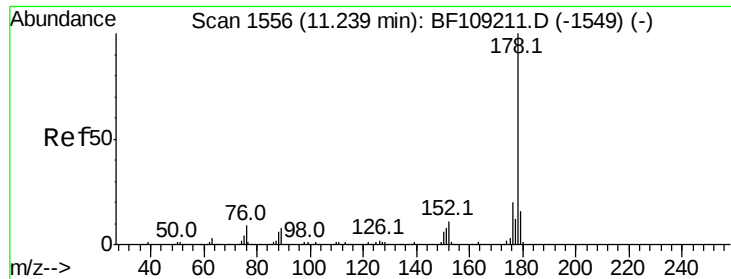
Delta R.T. 0.01 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Tgt Ion:	188	Resp:	357167
Ion Ratio	Lower	Upper	
188	100		
94	8.9	8.5	12.7
80	8.8	9.2	13.8#





#70

Phenanthrene

Concen: 50.098 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLRK-PH4-A9-B1

Tot Ion:178 Resp: 893409

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

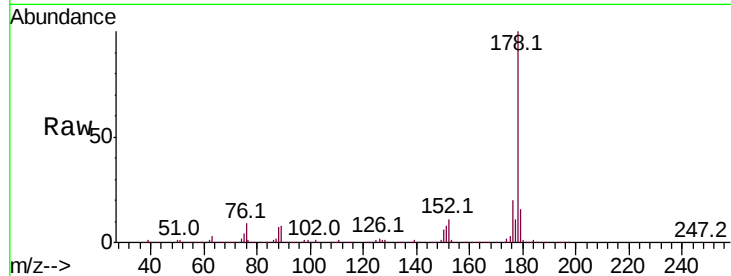
179 15.7 13.0 19.6

Manual Integrations

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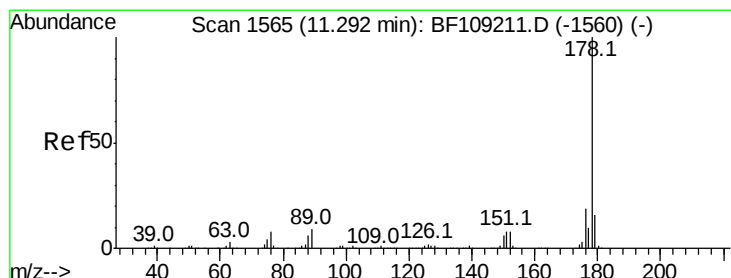
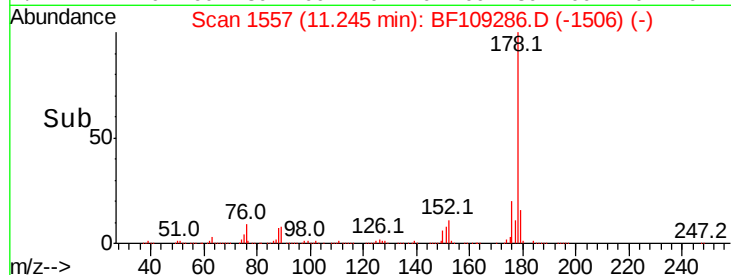
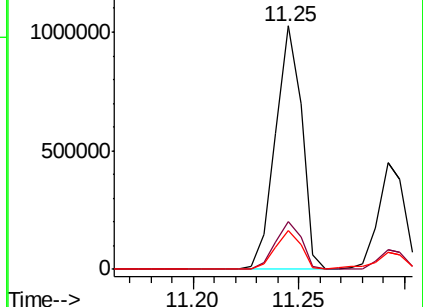
9/26/2018 3:40:57 PM



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



#71

Anthracene

Concen: 21.343 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Tgt Ion:178 Resp: 386053

Ion Ratio Lower Upper

178 100

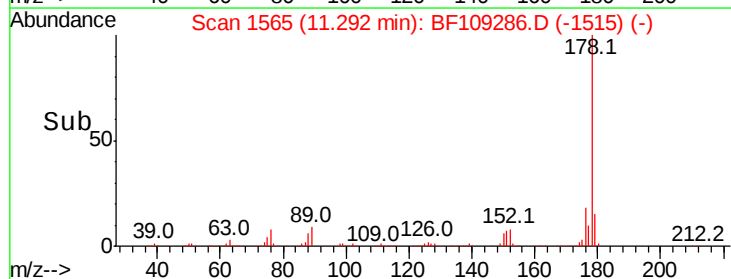
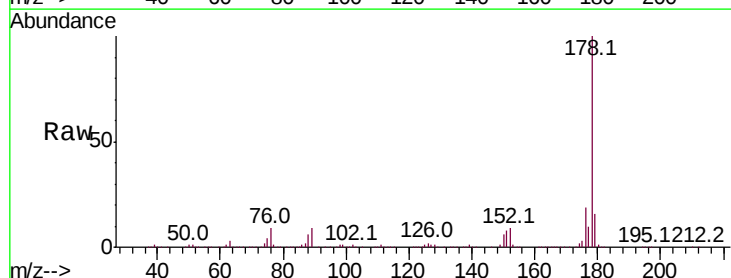
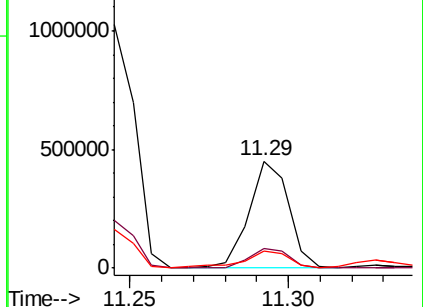
176 18.5 15.4 23.2

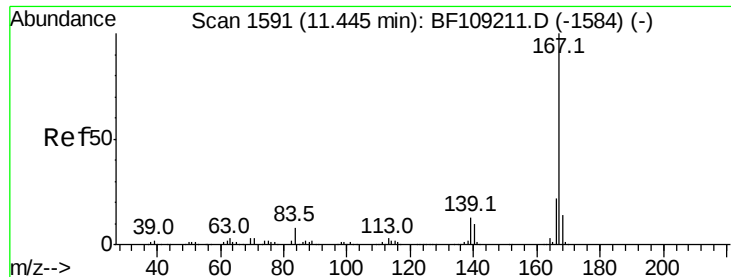
179 15.6 12.6 19.0

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: 2.124 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Instrument :

BNA_F

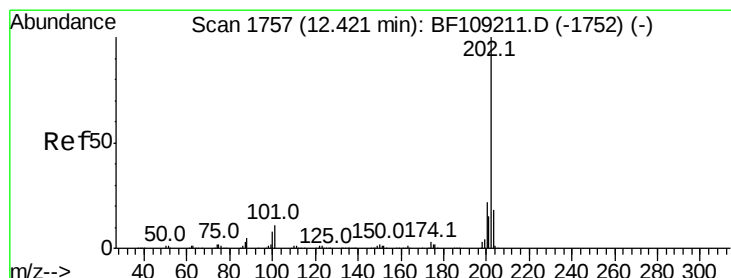
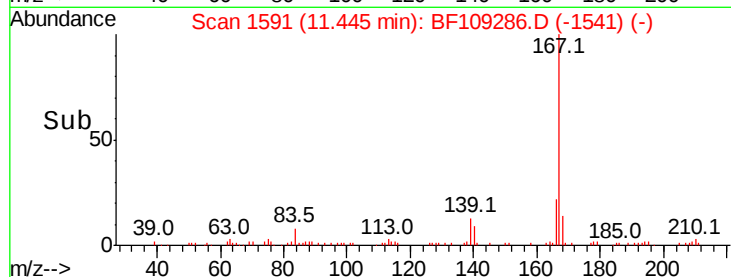
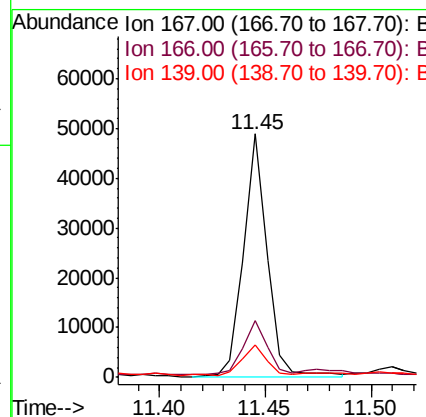
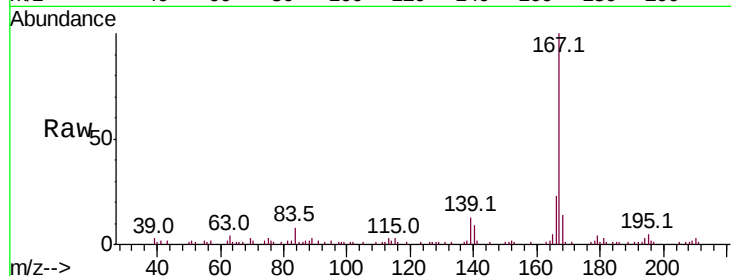
ClientSampleId :

NYSEG-CLRK-PH4-A9-B1

Tot Ion:	167	Resp:	38226
Ion Ratio	Lower	Upper	
167	100		
166	23.4	17.6	26.4
139	13.1	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 60.089 ng

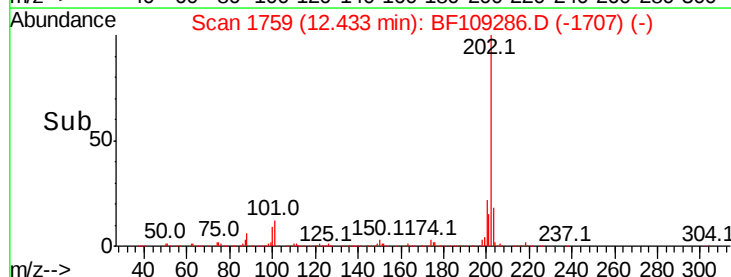
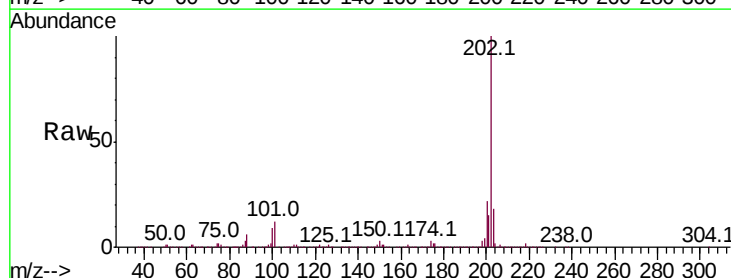
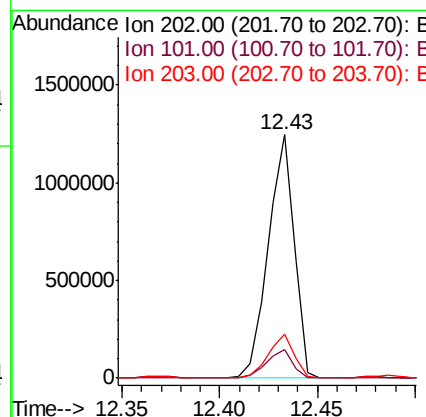
RT: 12.43 min Scan# 1759

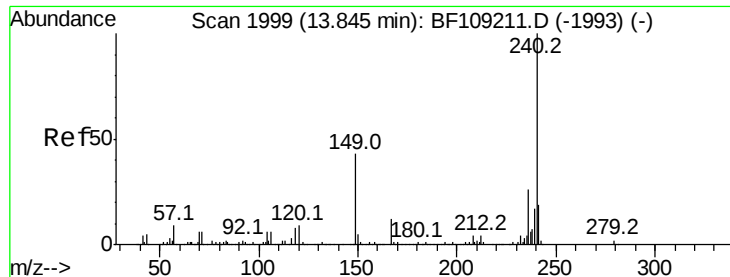
Delta R.T. 0.01 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Tgt Ion:	202	Resp:	1145176
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Instrument :

BNA_F

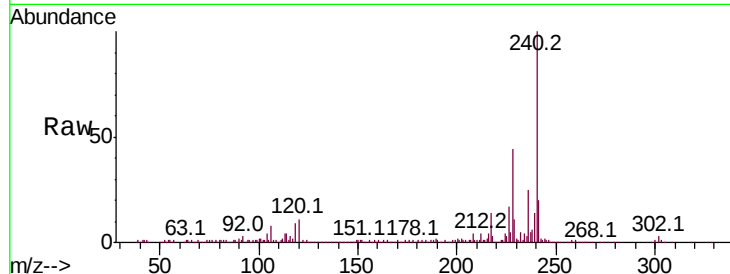
ClientSampleId :

NYSEG-CLRK-PH4-A9-B1

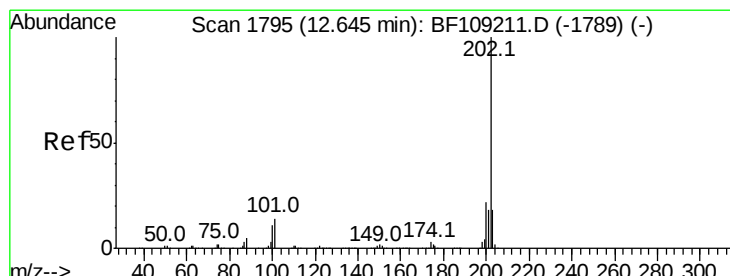
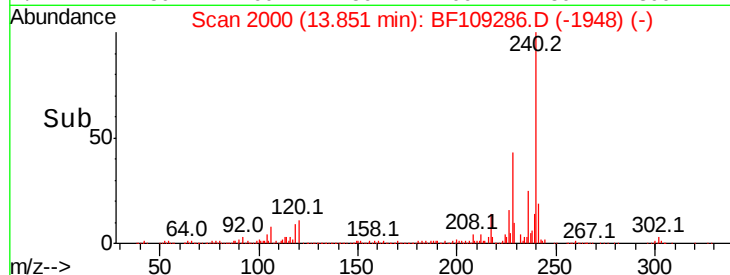
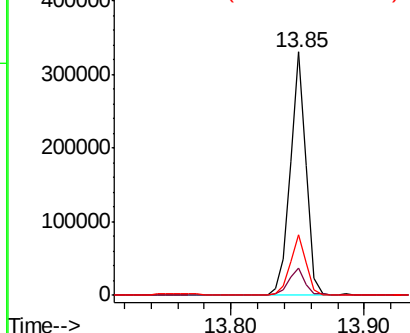
Tot Ion:	240	Resp:	272588
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.5	14.3
236	24.9	20.7	31.1

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 50.495 ng

RT: 12.66 min Scan# 1797

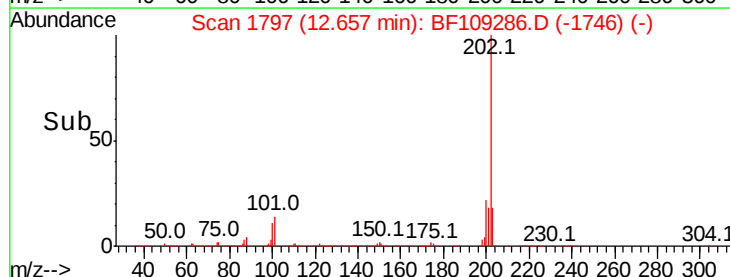
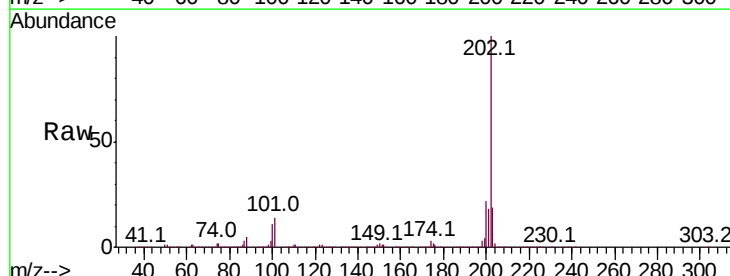
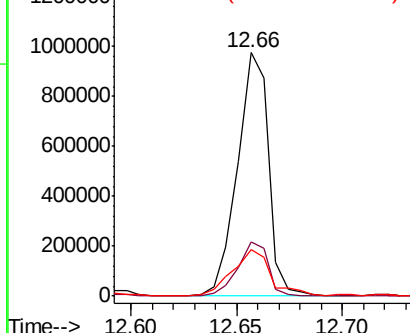
Delta R.T. 0.00 min

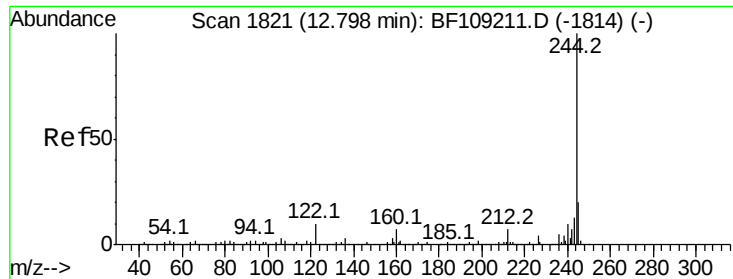
Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Tgt Ion:	202	Resp:	986467
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.4	26.2
203	18.9	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





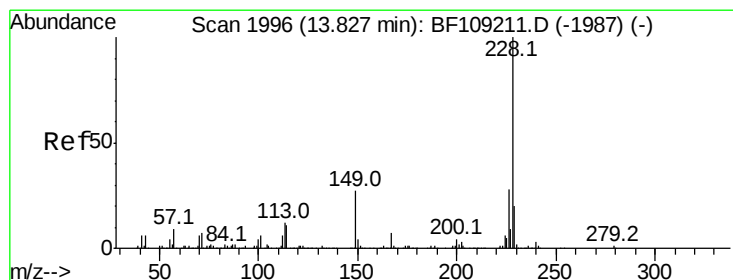
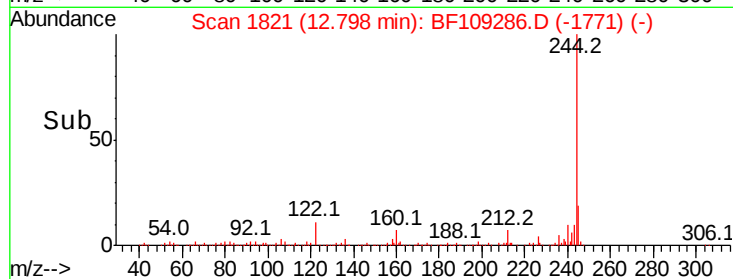
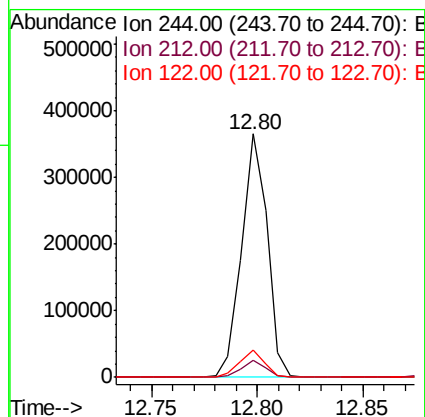
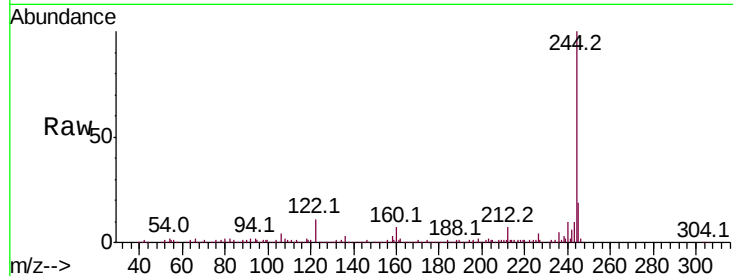
#78
 Terphenyl-d14
 Concen: 27.512 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109286.D
 Acq: 25 Sep 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLRK-PH4-A9-B1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.0	11.0	16.4

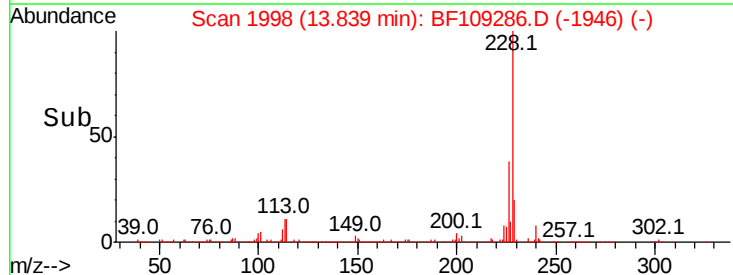
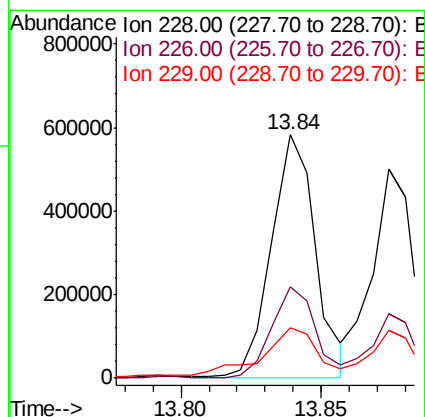
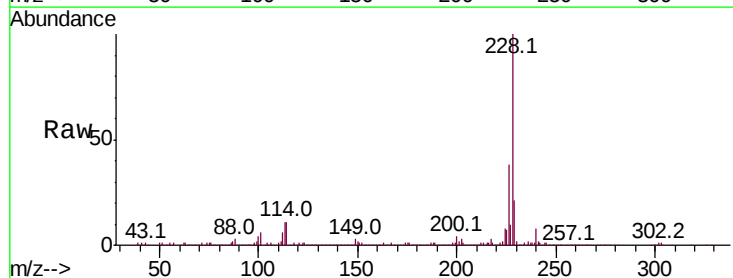
Manual Integrations
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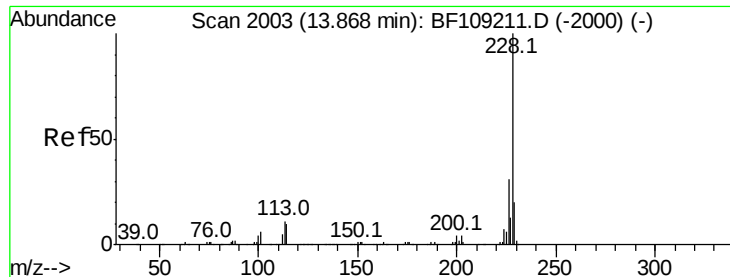
Sohil
 9/26/2018 3:40:57 PM



#80
 Benzo(a)anthracene
 Concen: 38.485 ng m
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BF109286.D
 Acq: 25 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.6	22.6	33.8#
229	20.8	15.8	23.6





#82

Chrysene

Concen: 30.268 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Instrument :

BNA_F

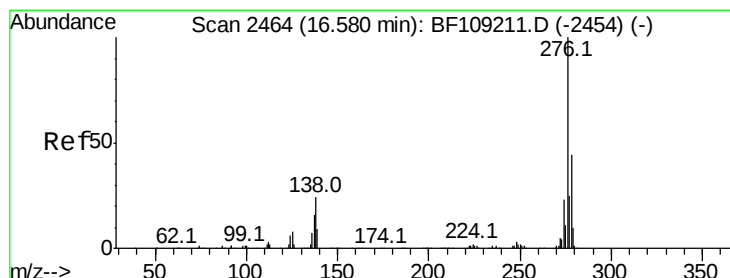
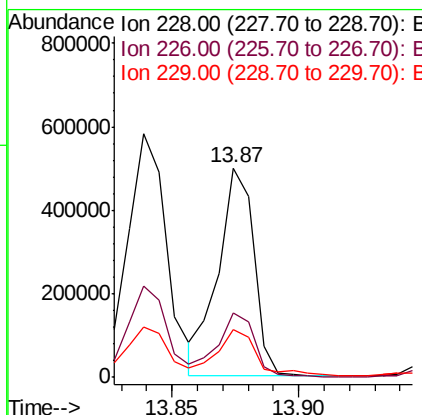
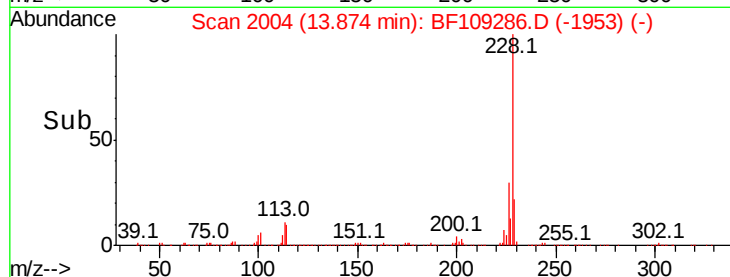
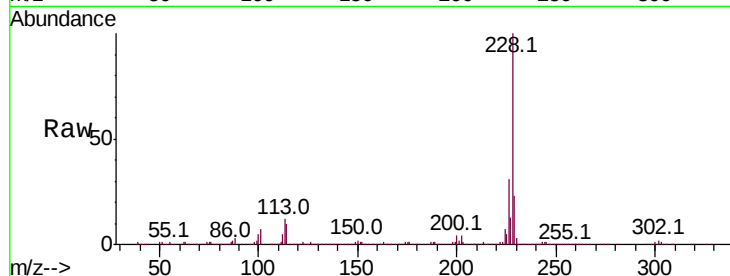
ClientSampleId :

NYSEG-CLRK-PH4-A9-B1

Tot Ion:	228	Resp:	492573
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	22.9	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.656 ng

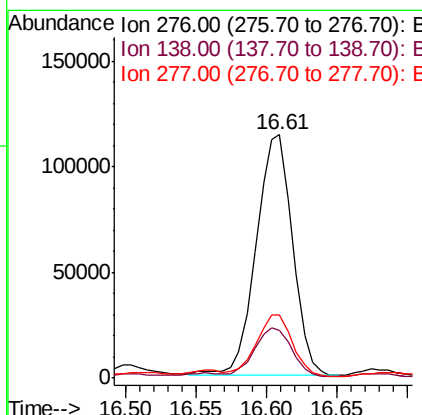
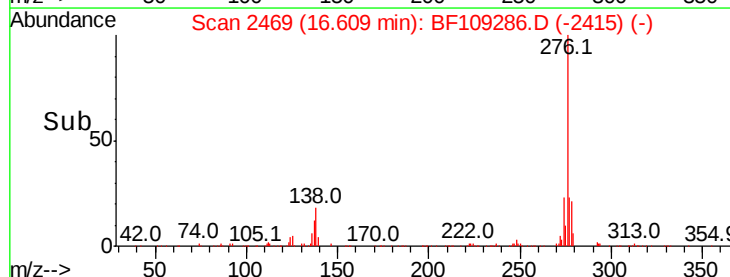
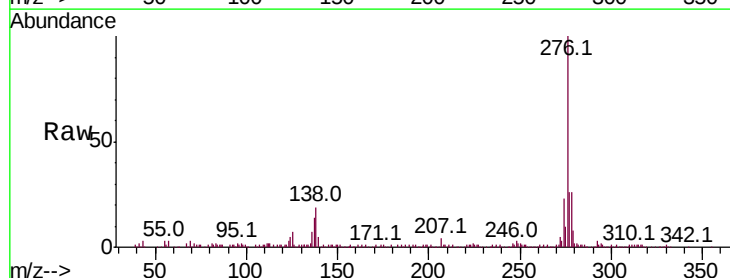
RT: 16.61 min Scan# 2469

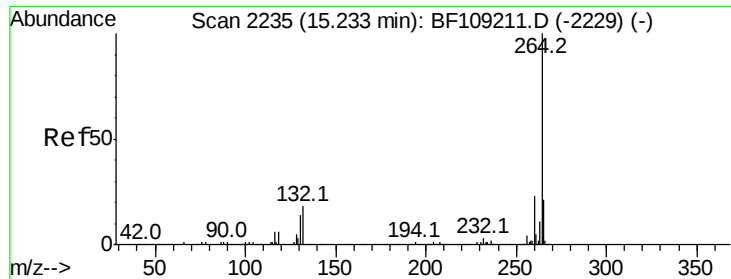
Delta R.T. 0.02 min

Lab File: BF109286.D

Acq: 25 Sep 2018 15:33

Tgt Ion:	276	Resp:	206519
Ion Ratio	Lower	Upper	
276	100		
138	20.6	25.0	37.6#
277	25.5	20.1	30.1





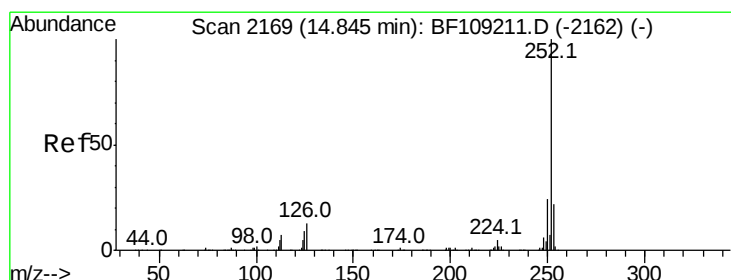
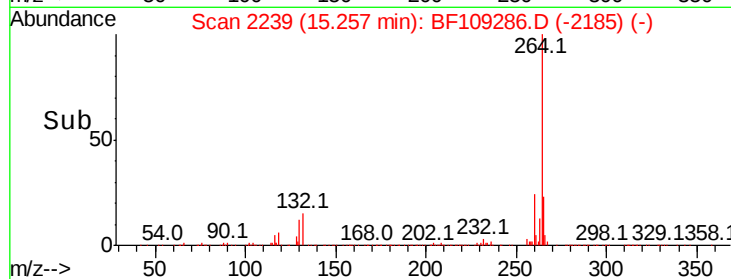
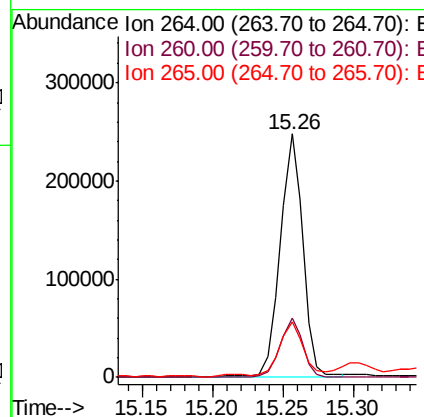
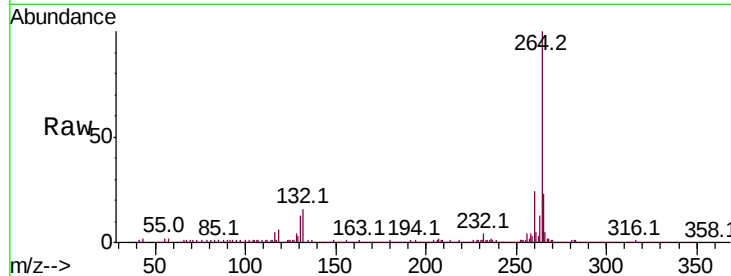
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.02 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A9-B1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.9	17.5	26.3

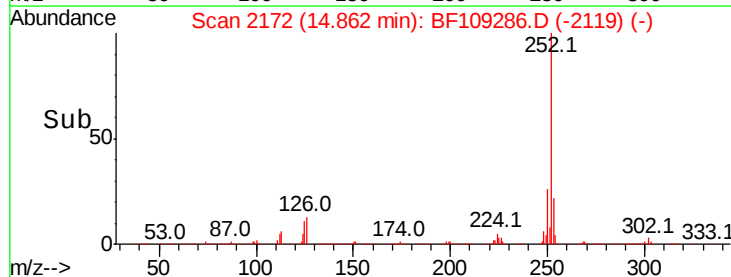
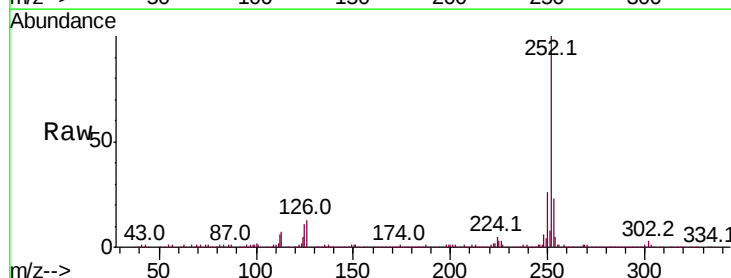
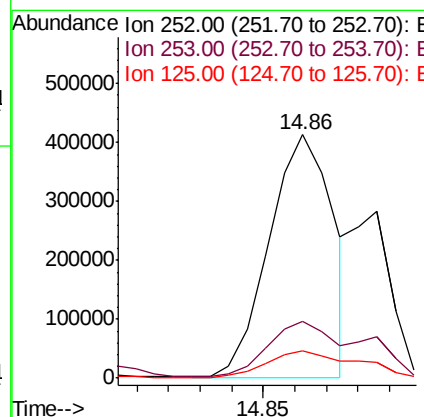
Manual Integrations
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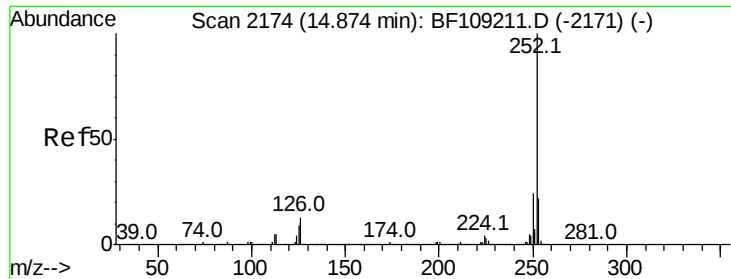
Sohil
9/26/2018 3:40:57 PM



#87
Benzo(b)fluoranthene
Concen: 38.559 ng m
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	11.0	9.0	13.6





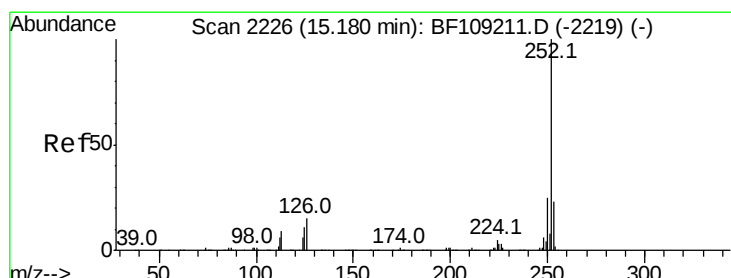
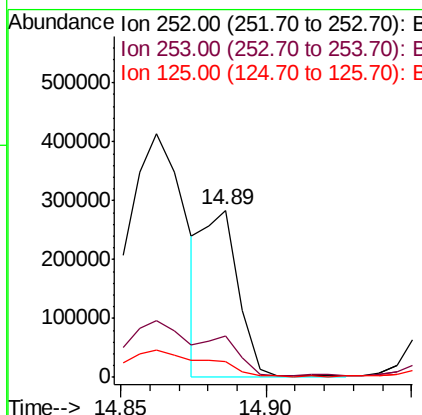
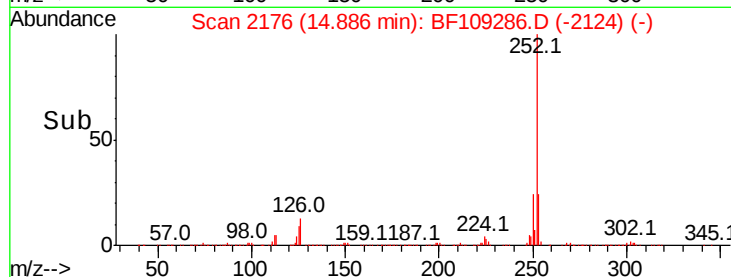
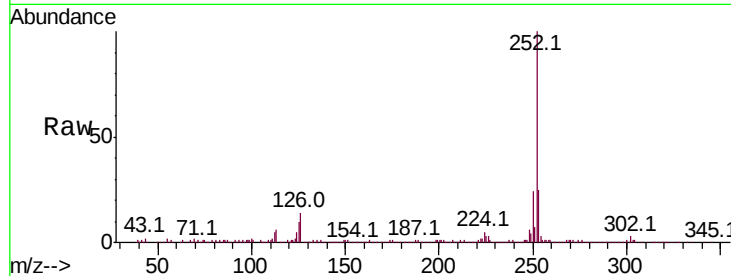
#88
Benzo(k)fluoranthene
Concen: 16.725 ng/mL
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A9-B1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	9.7	10.2	15.2

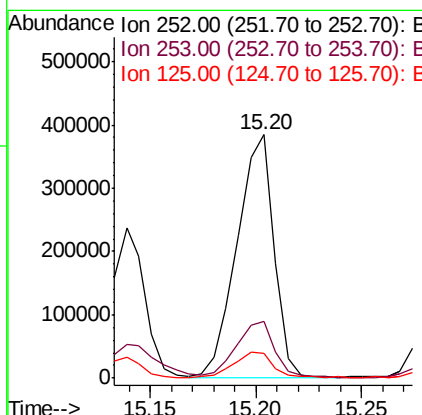
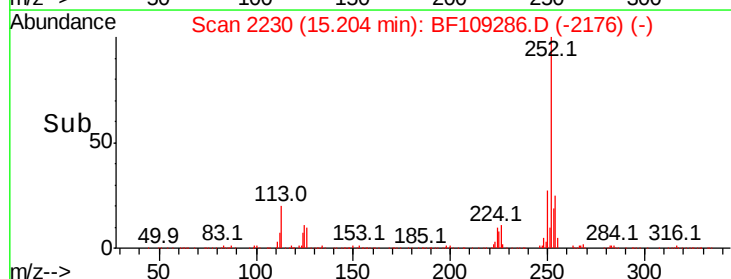
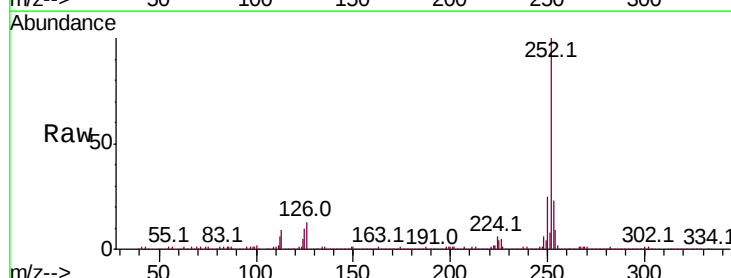
Manual Integrations
APPROVED

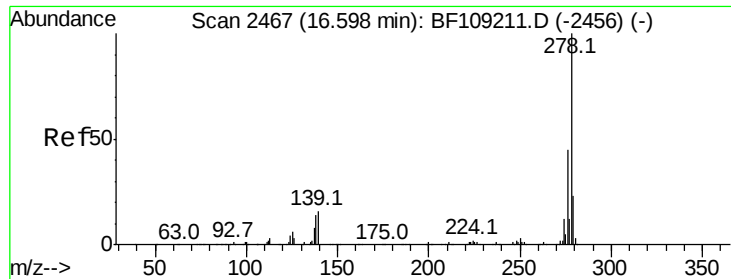
Sohil
9/26/2018 3:40:57 PM



#89
Benzo(a)pyrene
Concen: 33.697 ng/mL
RT: 15.20 min Scan# 2230
Delta R.T. 0.02 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	10.1	9.8	14.6





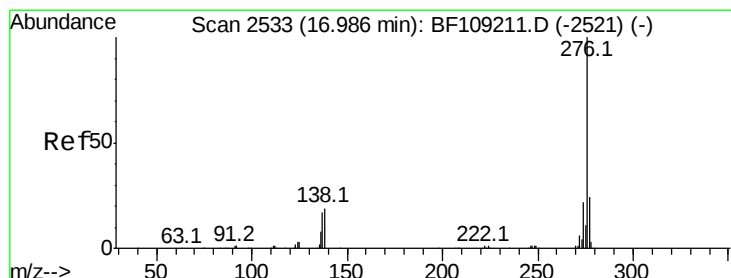
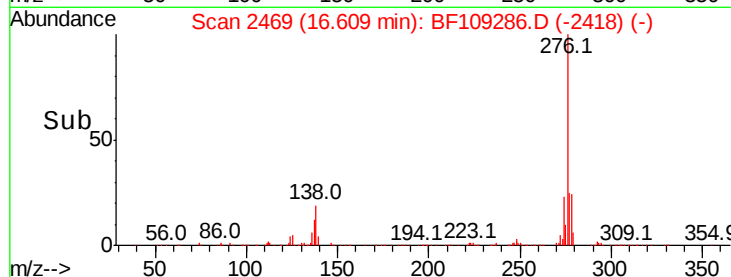
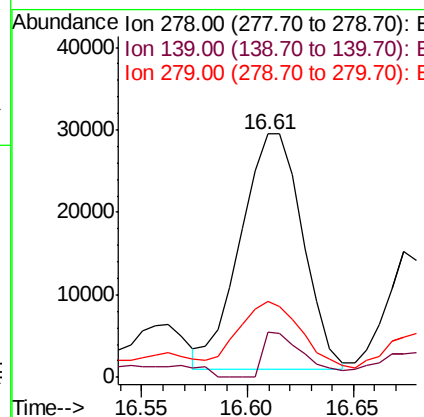
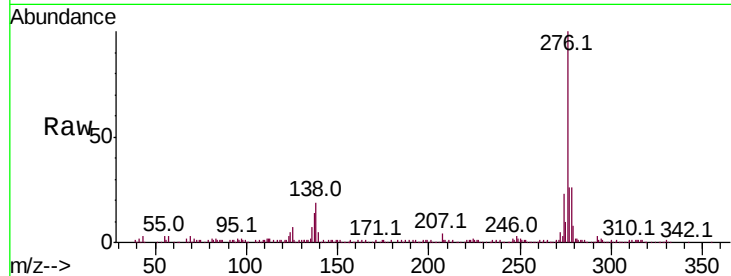
#90
Dibenzo(a,h)anthracene
Concen: 5.192 ng
RT: 16.61 min Scan# 2469
Delta R.T. 0.00 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A9-B1

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.9	23.9
279	31.4	19.0	28.4

Manual Integrations
APPROVED

Sohil
9/26/2018 3:40:57 PM



#91
Benzo(g,h,i)perylene
Concen: 15.618 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF109286.D
Acq: 25 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	21.2	21.8	32.8

