

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
 Data File : BF107381.D
 Acq On : 13 Jul 2018 22:21
 Operator : JU/SJ
 Sample : J3948-05DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-ST-PH4-AREA

Manual Integrations
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 7/16/2018 3:22:44 PM

Quant Time: Jul 14 02:05:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 11:54:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	41564	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	151030	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	73008	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	155575	20.00	ng	0.00
75) Chrysene-d12	14.14	240	142577	20.00	ng	0.00
86) Perylene-d12	15.67	264	111643	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	17995	7.33	ng	0.02
7) Phenol-d6	6.59	99	22937	7.48	ng	0.01
23) Nitrobenzene-d5	7.50	82	12522	4.61	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	6005	7.10	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	23558	-11.24	ng	0.00
78) Terphenyl-d14	13.05	244	34853	5.92	ng	0.00
Target Compounds						
31) Naphthalene	8.24	128	82038	11.618	ng	99
37) 2-Methylnaphthalene	8.93	142	10174	2.174	ng	96
45) 1,1'-Biphenyl	9.39	154	64924	11.158	ng	94
48) Acenaphthylene	9.84	152	76928	10.639	ng	# 96
51) Acenaphthene	10.01	154	225626	49.552	ng	98
57) Fluorene	10.53	166	116771	23.602	ng	99
70) Phenanthrene	11.50	178	378267	50.411	ng	99
71) Anthracene	11.55	178	201364	26.291	ng	99
74) Fluoranthene	12.70	202	410758	49.665	ng	95
77) Pyrene	12.94	202	563255	59.908	ng	100
80) Benzo(a)anthracene	14.12	228	288276m	33.175	ng	
82) Chrysene	14.16	228	205211	25.669	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	77531m	11.428	ng	
87) Benzo(b)fluoranthene	15.21	252	191570m	27.623	ng	
88) Benzo(k)fluoranthene	15.24	252	60863m	9.216	ng	
89) Benzo(a)pyrene	15.61	252	197081m	31.966	ng	
90) Dibenzo(a,h)anthracene	17.25	278	22152	4.240	ng	95
91) Benzo(g,h,i)perylene	17.75	276	86433	16.924	ng	# 91

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

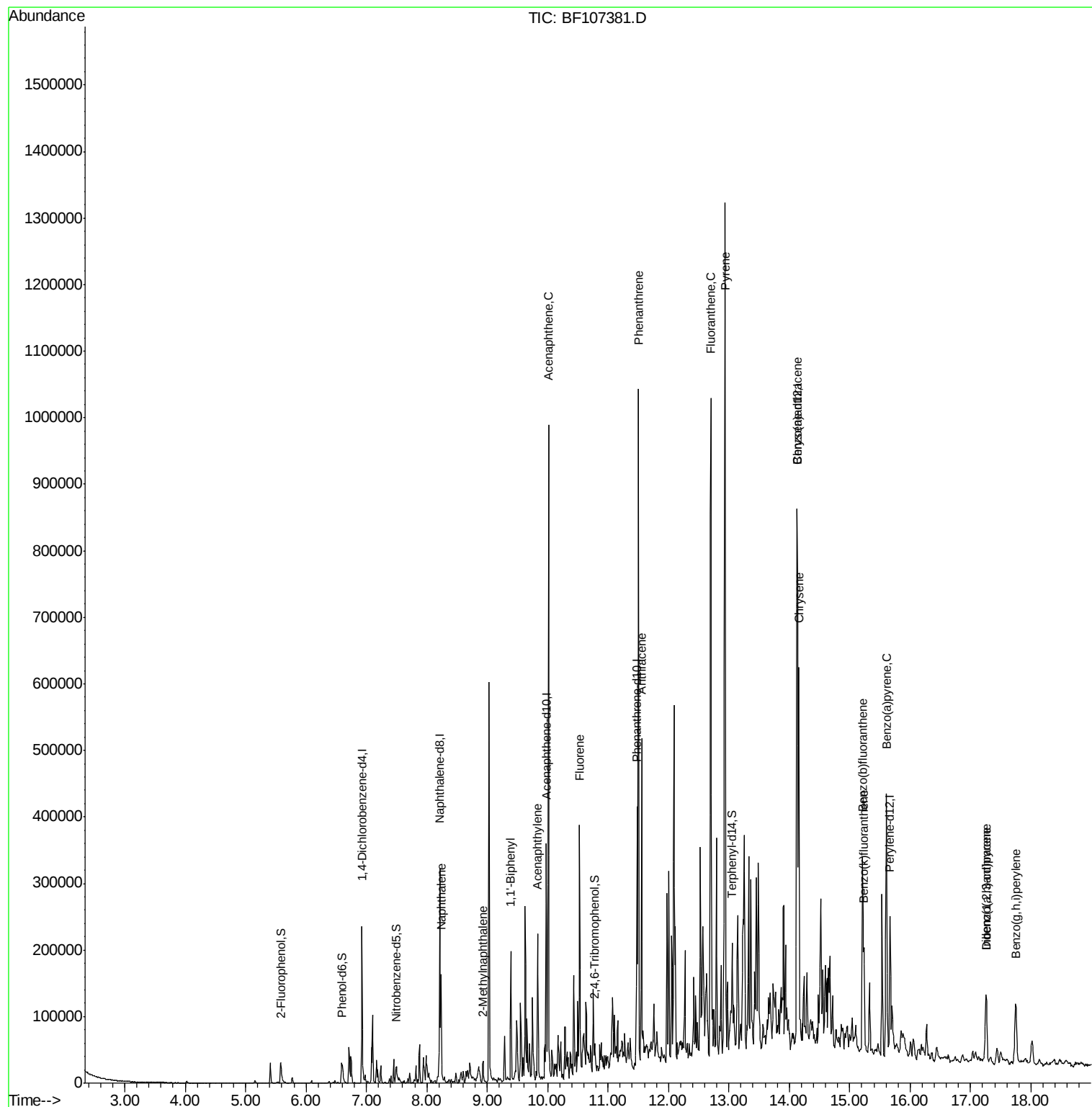
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
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ALS Vial : 26 Sample Multiplier: 1

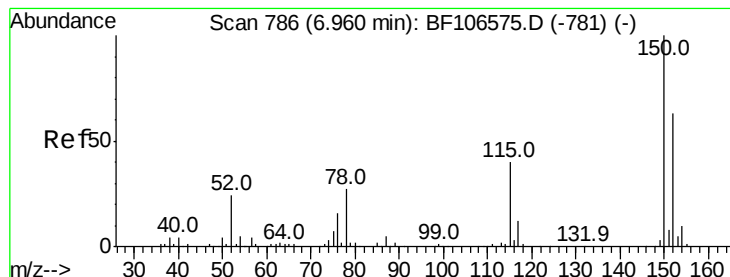
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

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#1

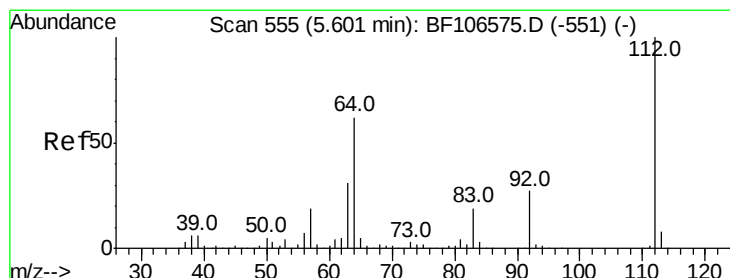
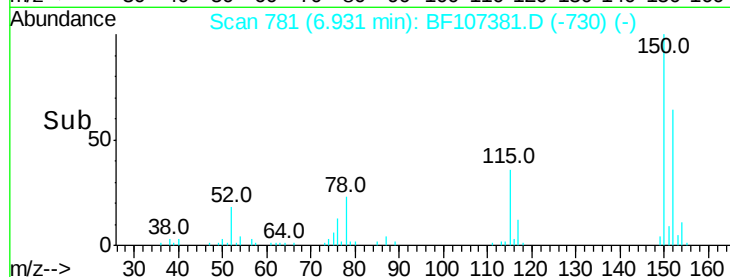
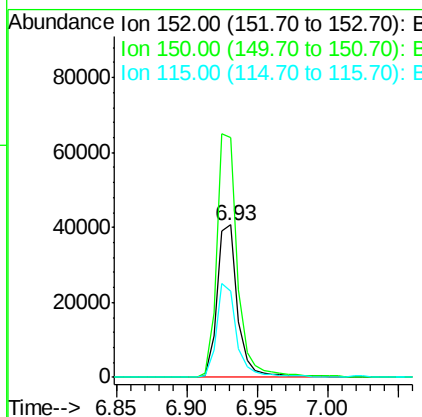
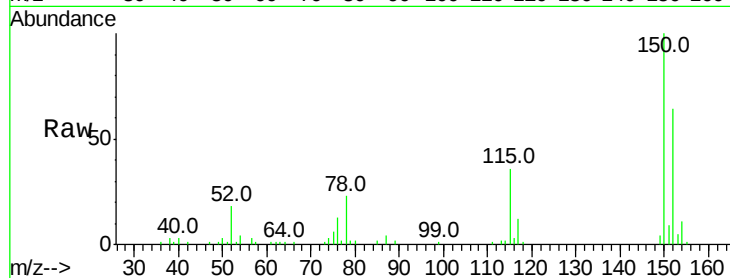
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	56.1	50.1	75.1

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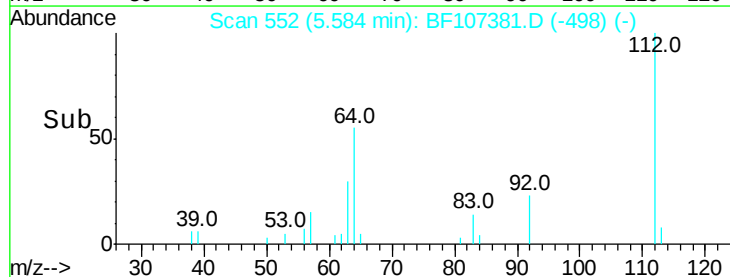
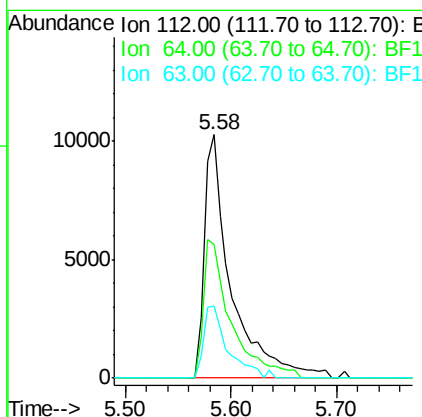
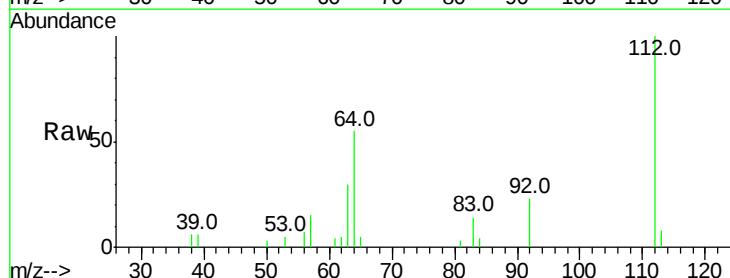
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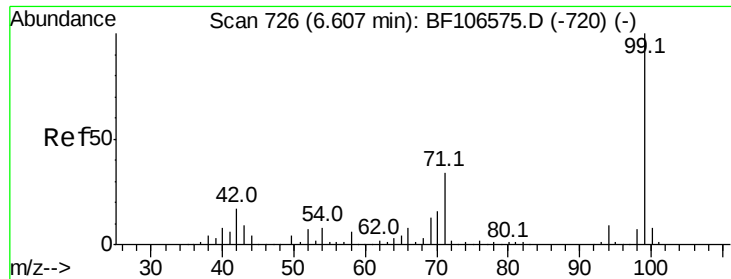


#5

2-Fluorophenol
Concen: 7.331 ng
RT: 5.58 min Scan# 552
Delta R.T. 0.02 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 7.483 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Instrument :

BNA_F

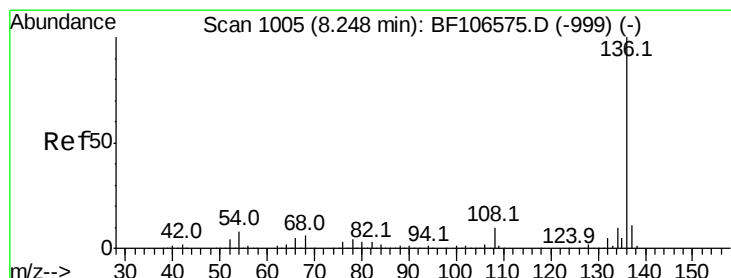
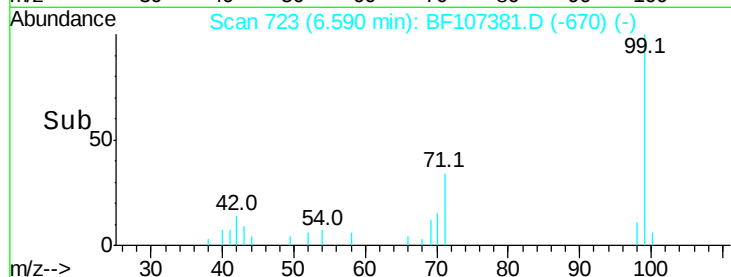
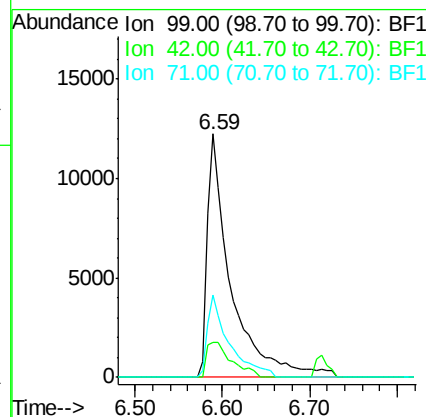
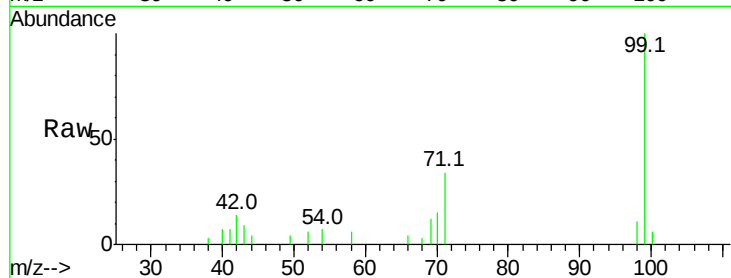
ClientSampleId :

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Tot Ion:	99	Resp:	22937
Ion Ratio	Lower	Upper	
99	100		
42	14.3	14.5	21.7#
71	34.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

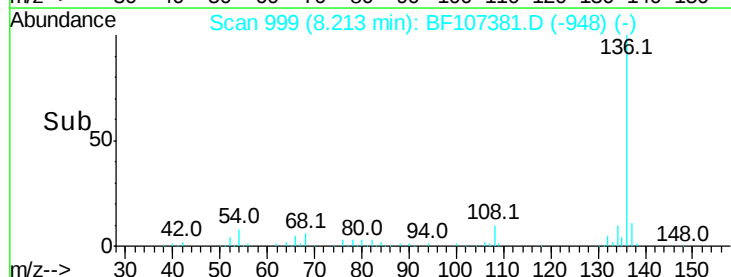
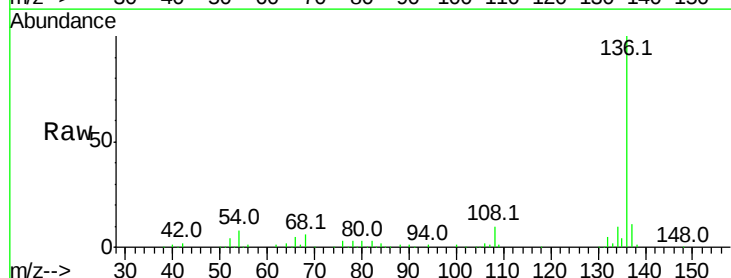
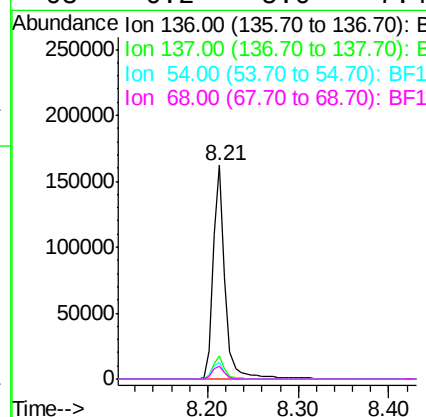
RT: 8.21 min Scan# 999

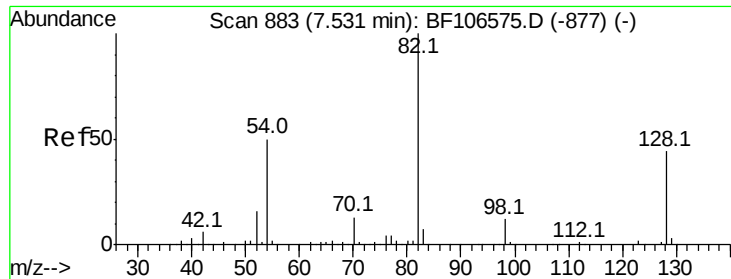
Delta R.T. 0.00 min

Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Tgt Ion:	136	Resp:	151030
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.7	6.6	9.8
68	6.2	5.0	7.4





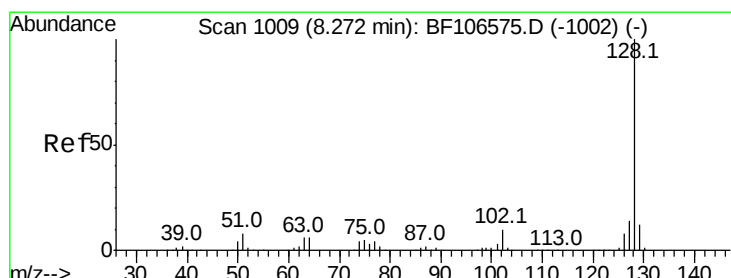
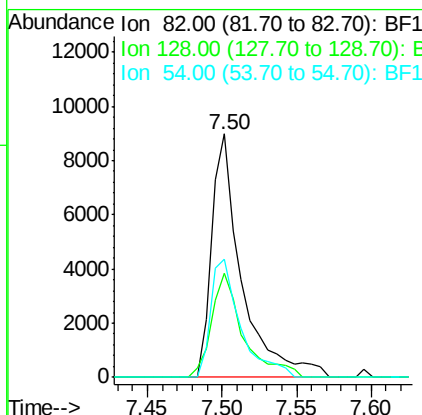
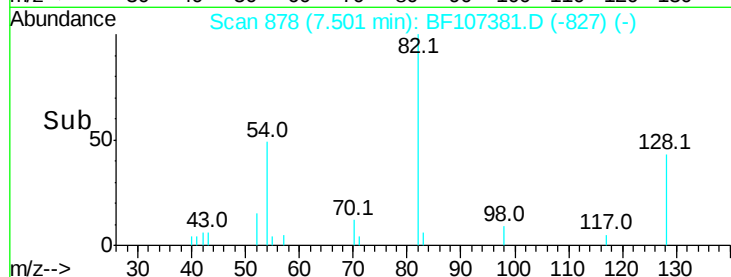
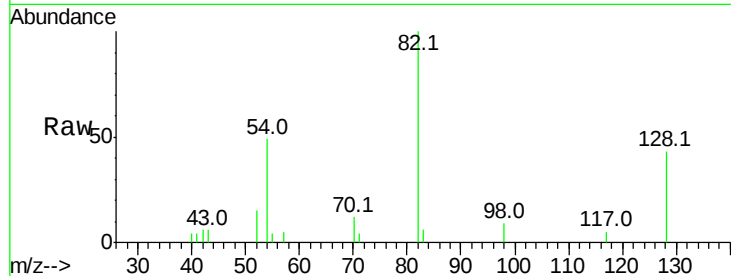
#23
 Nitrobenzene-d5
 Concen: 4.608 ng
 RT: 7.50 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: BF107381.D
 Acq: 13 Jul 2018 22:21

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	82	Resp:	12522
Ion Ratio	Lower	Upper	
82	100		
128	42.7	36.1	54.1
54	48.6	41.4	62.2

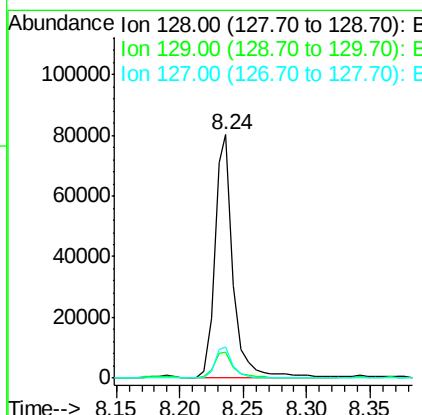
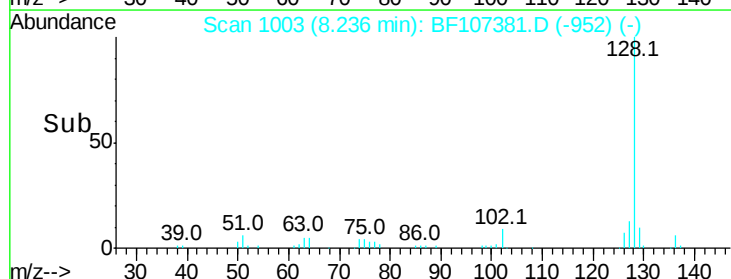
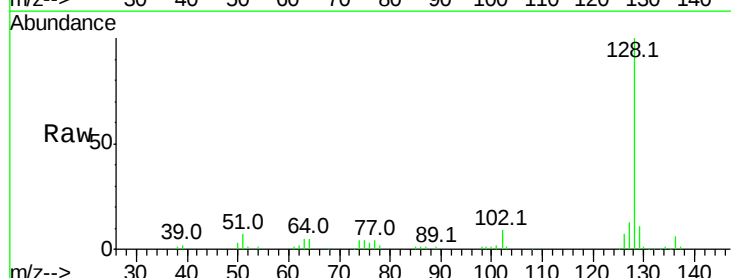
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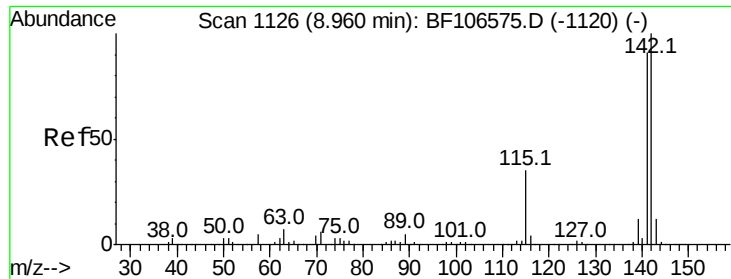
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#31
 Naphthalene
 Concen: 11.618 ng
 RT: 8.24 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: BF107381.D
 Acq: 13 Jul 2018 22:21

Tgt Ion:	128	Resp:	82038
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.8	13.2
127	12.6	10.9	16.3





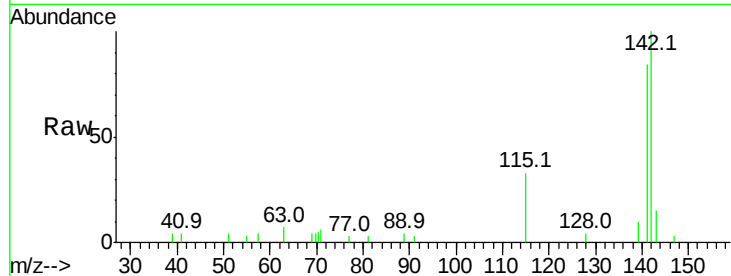
#37
2-Methylnaphthalene
Concen: 2.174 ng
RT: 8.93 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.0	70.8	106.2
115	32.8	26.1	39.1

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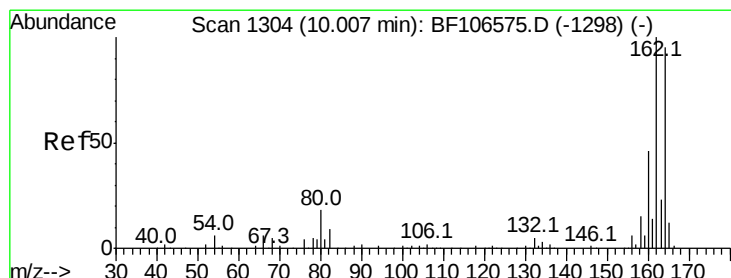
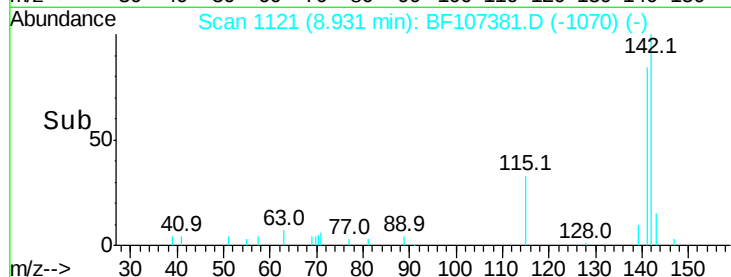
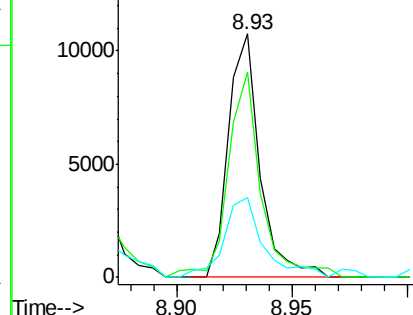


Abundance

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: 9.98 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

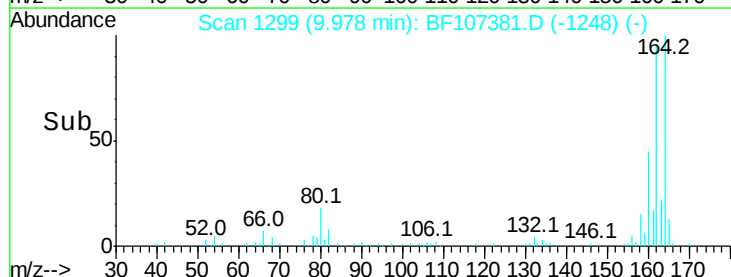
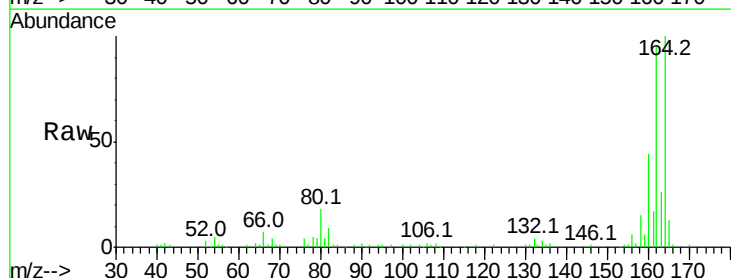
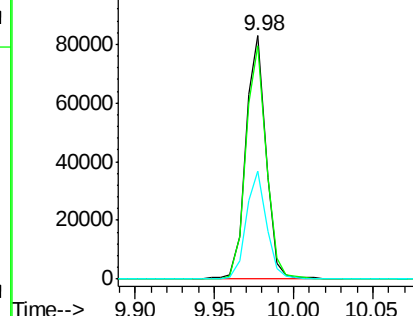
Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.9	86.1	129.1
160	44.4	38.3	57.5

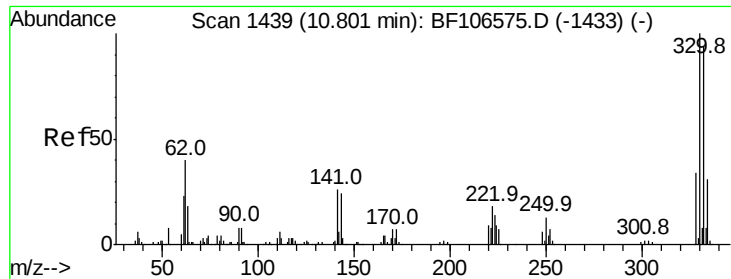
Abundance

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





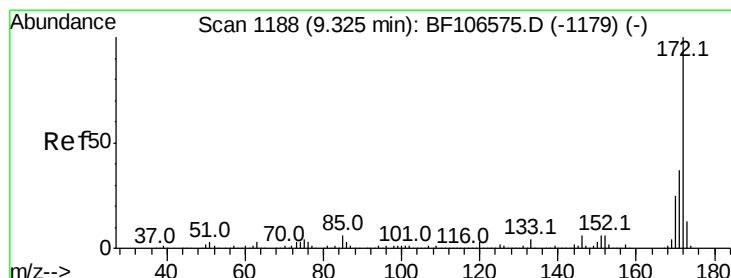
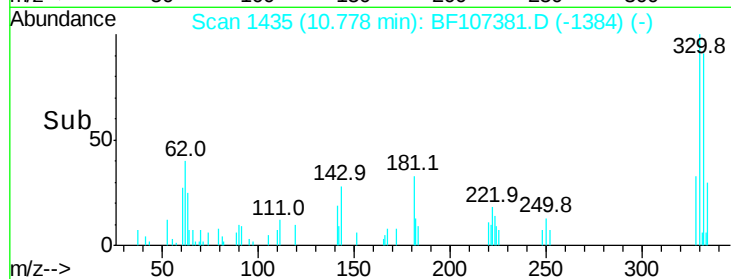
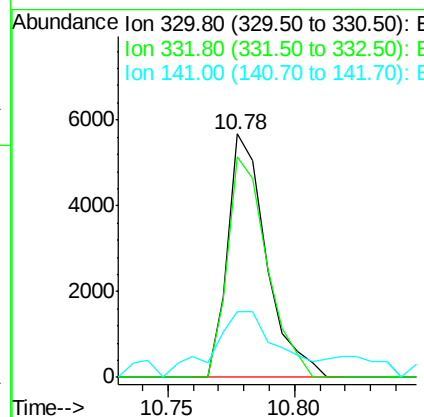
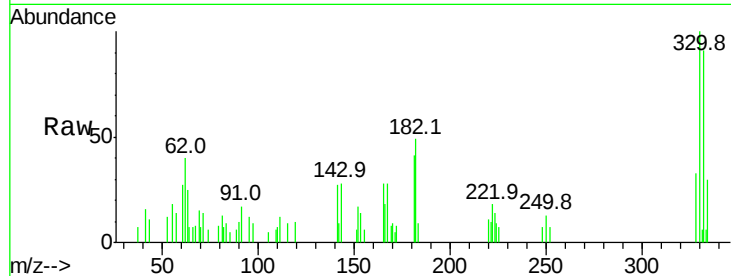
#41
 2,4,6-Tribromophenol
 Concen: 7.097 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF107381.D
 Acq: 13 Jul 2018 22:21

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	6005		
332	92.8		77.0	115.6
141	45.1		29.9	44.9#

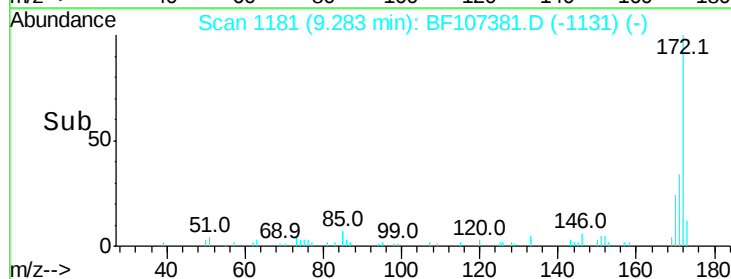
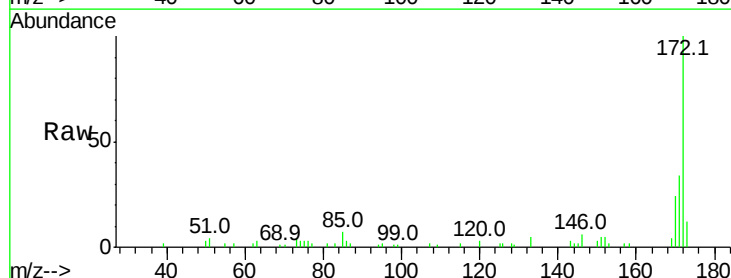
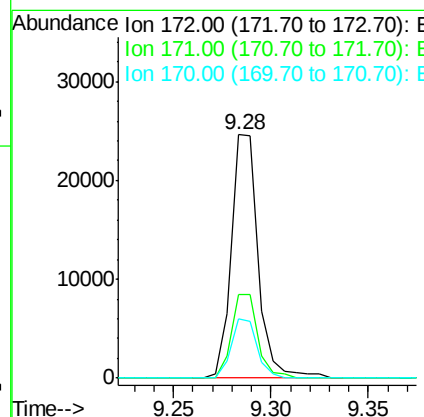
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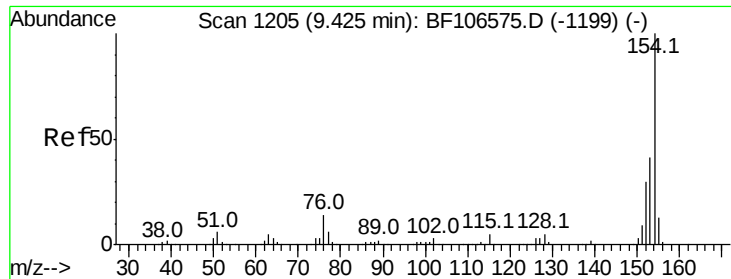
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#44
 2-Fluorobiphenyl
 Concen: -11.240 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF107381.D
 Acq: 13 Jul 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	23558		
171	34.4		29.7	44.5
170	24.3		19.6	29.4





#45

1,1'-Biphenyl

Concen: 11.158 ng

RT: 9.39 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Instrument :

BNA_F

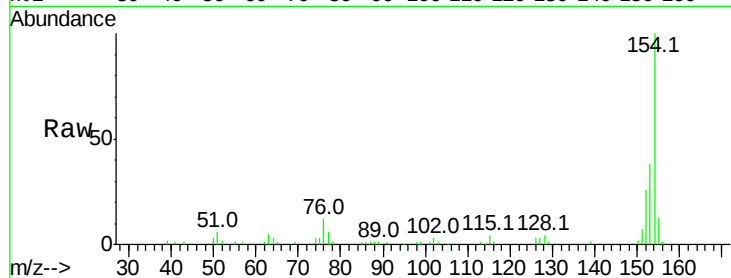
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

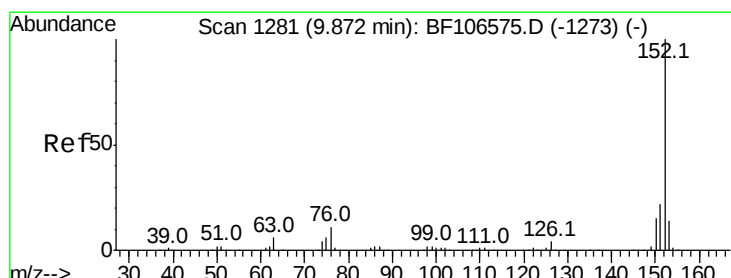
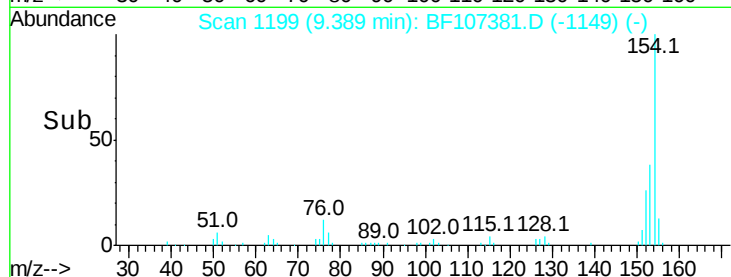
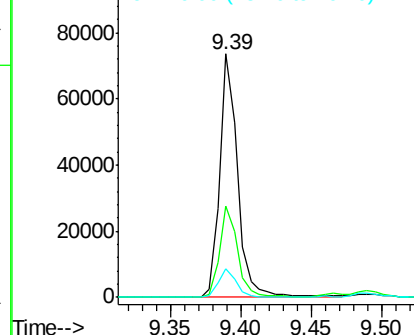
Tot Ion:	154	Resp:	64924
Ion Ratio	Lower	Upper	
154	100		
153	37.7	21.3	61.3
76	11.7	0.0	34.0

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 10.639 ng

RT: 9.84 min Scan# 1275

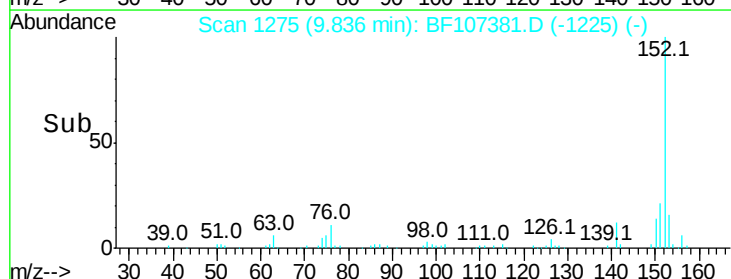
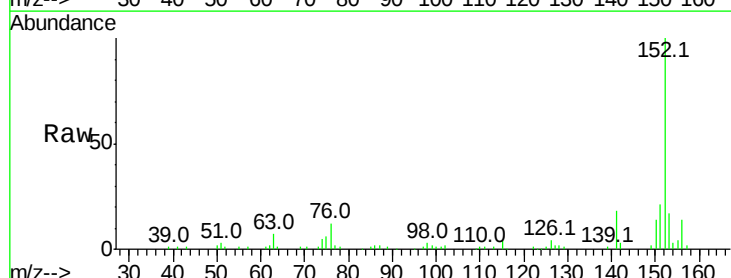
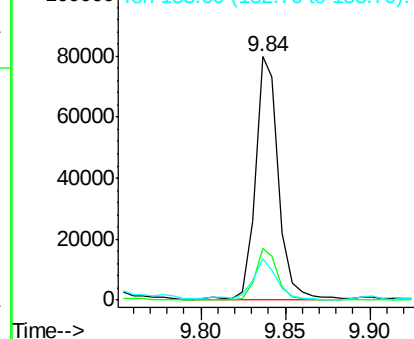
Delta R.T. -0.01 min

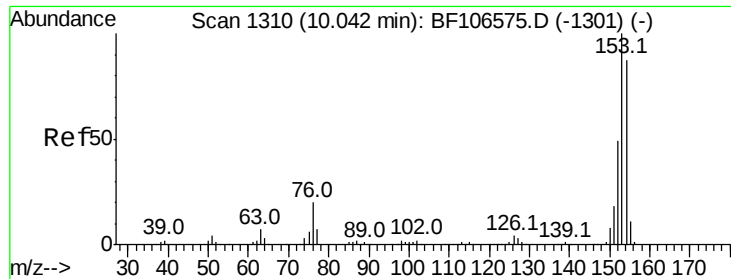
Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Tgt Ion:	152	Resp:	76928
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.3	24.5
153	17.1	10.7	16.1#

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





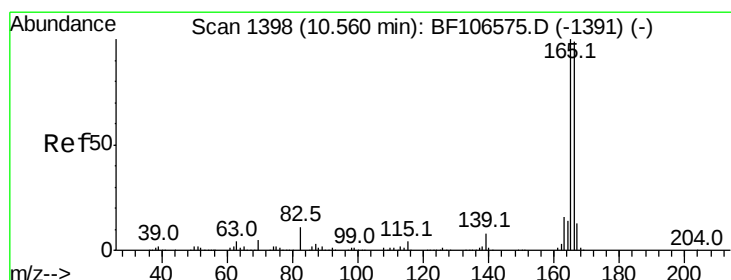
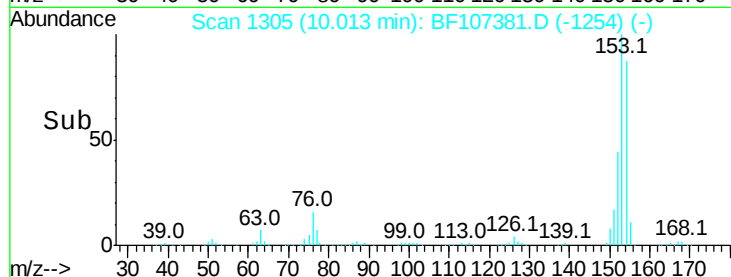
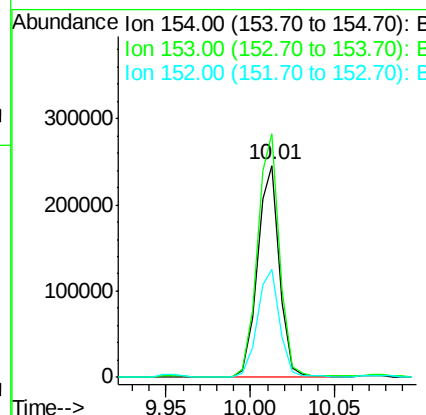
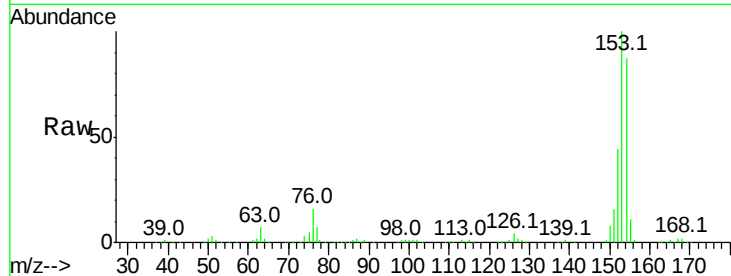
#51
Acenaphthene
Concen: 49.552 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.2	136.8
152	50.9	43.8	65.8

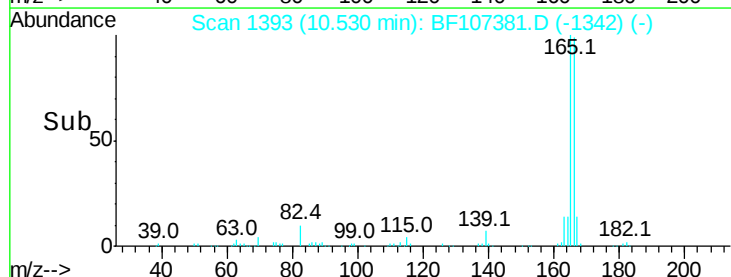
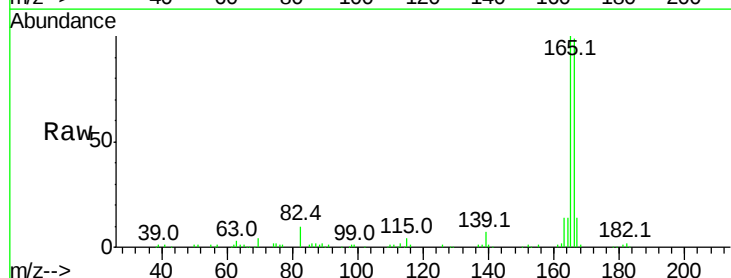
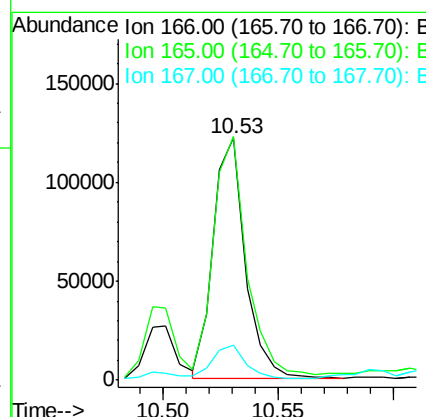
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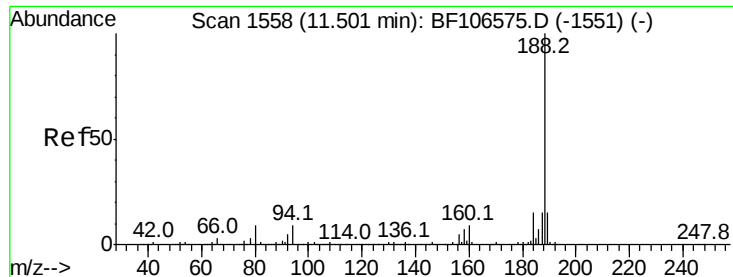
Sohil
7/16/2018 3:22:44 PM



#57
Fluorene
Concen: 23.602 ng
RT: 10.53 min Scan# 1393
Delta R.T. 0.00 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.8	119.8
167	14.6	10.6	16.0





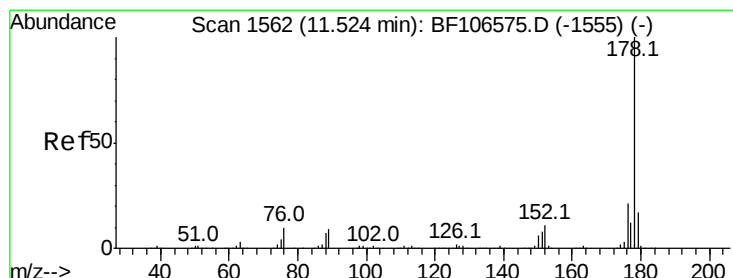
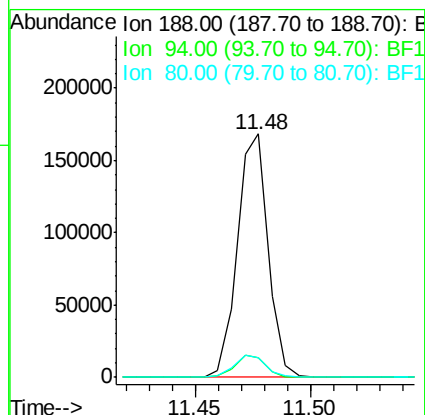
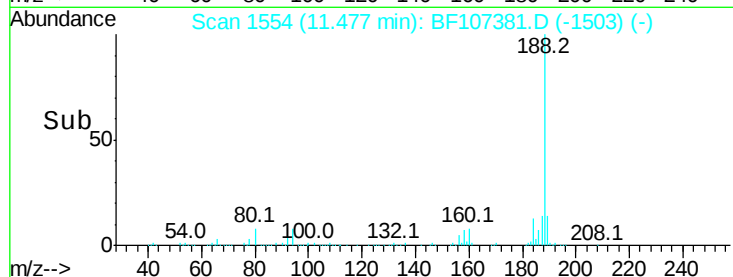
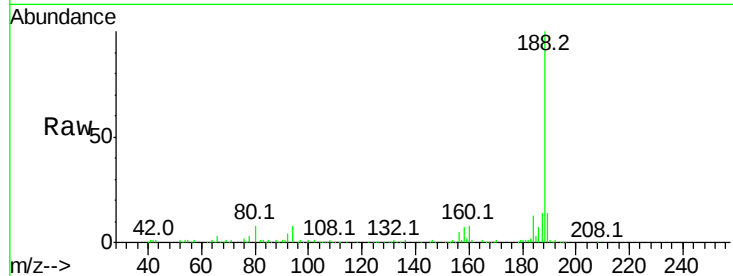
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. 0.00 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.3	9.2	13.8#

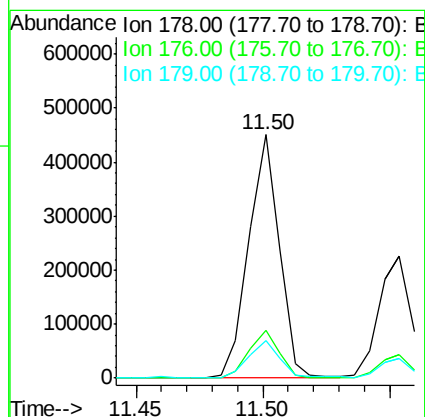
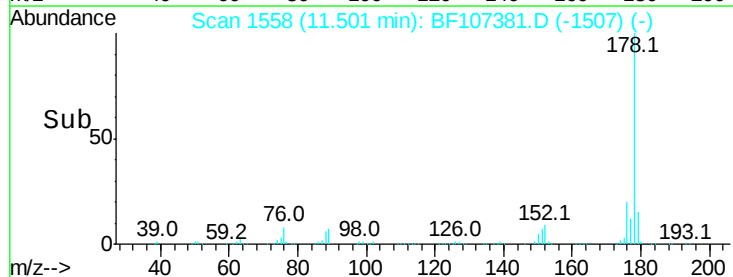
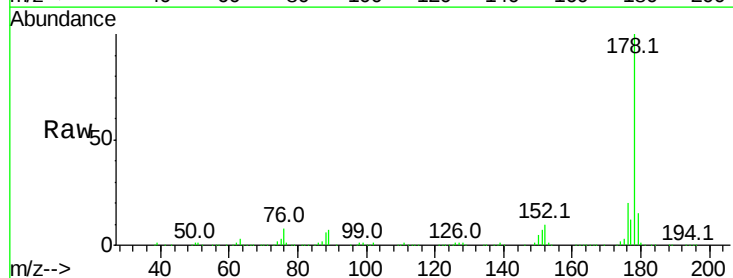
Manual Integrations
APPROVED

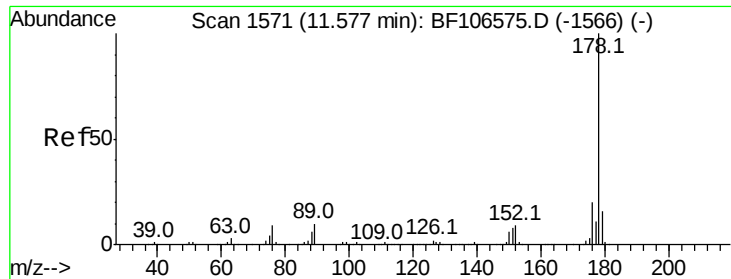
Sohil
7/16/2018 3:22:44 PM



#70
Phenanthrene
Concen: 50.411 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

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





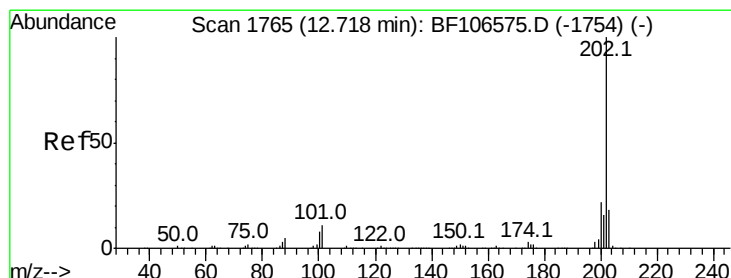
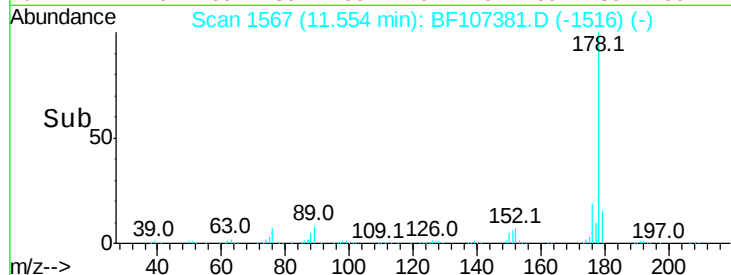
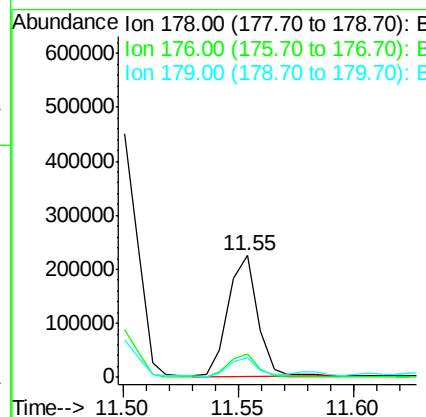
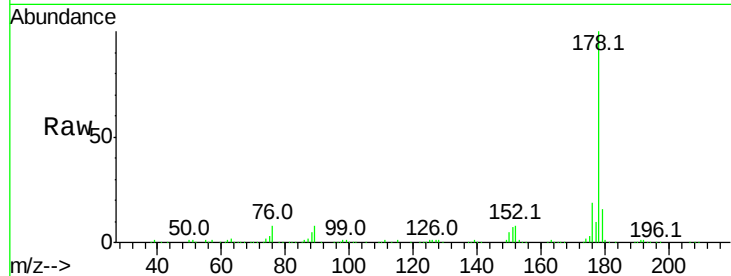
#71
 Anthracene
 Concen: 26.291 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: BF107381.D
 Acq: 13 Jul 2018 22:21

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.6	19.0

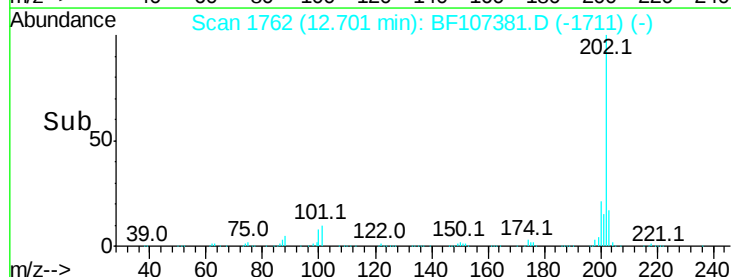
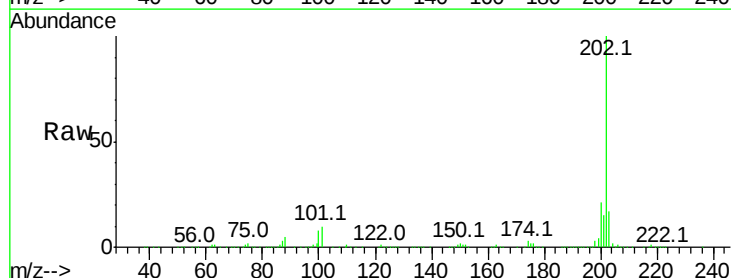
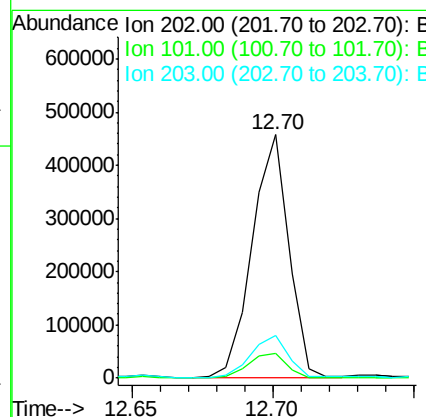
Manual Integrations
 APPROVED

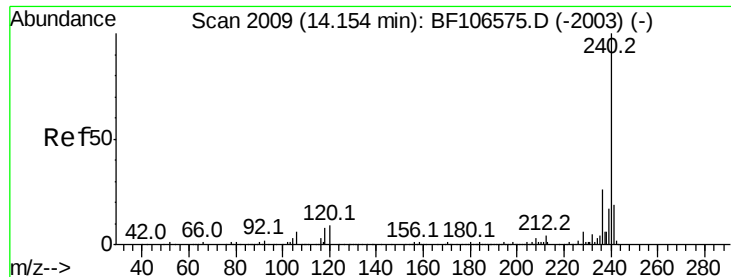
Sohil
 7/16/2018 3:22:44 PM



#74
 Fluoranthene
 Concen: 49.665 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF107381.D
 Acq: 13 Jul 2018 22:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Instrument :

BNA_F

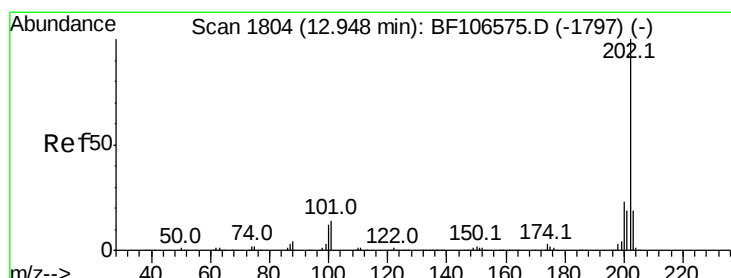
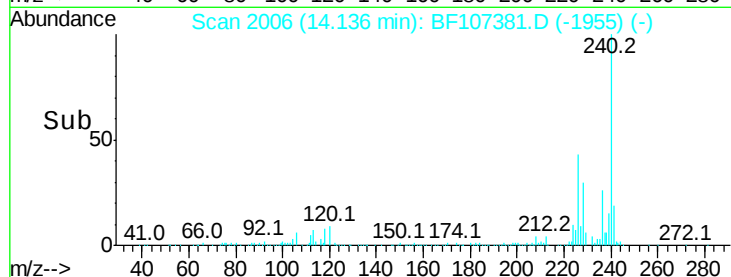
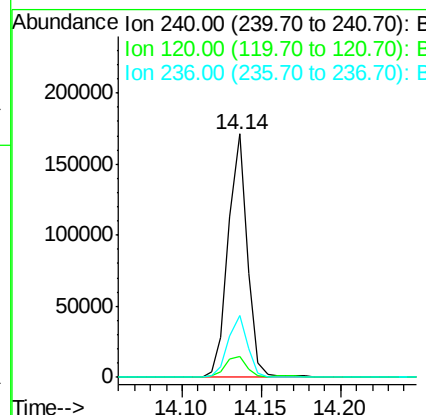
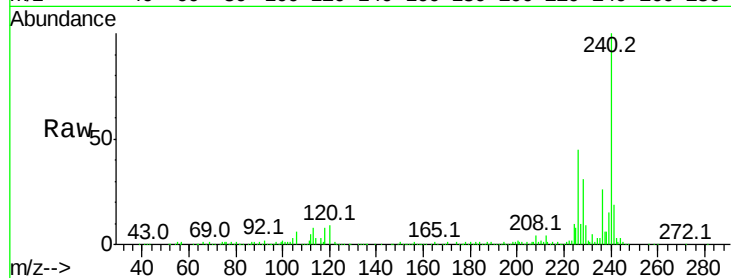
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	240	Resp:	142577
Ion Ratio	Lower	Upper	
240	100		
120	8.6	9.5	14.3#
236	25.5	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 59.908 ng

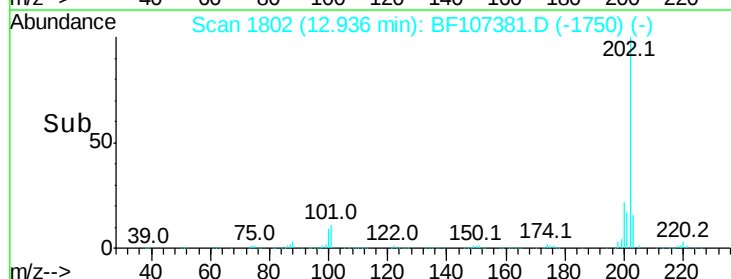
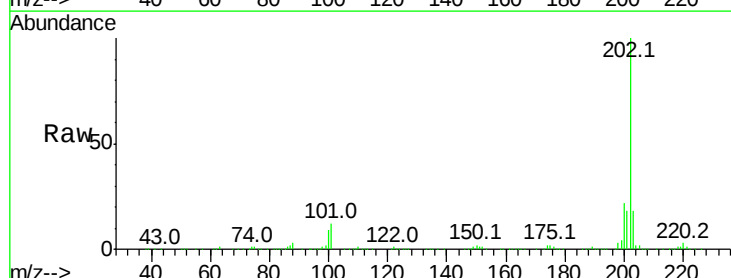
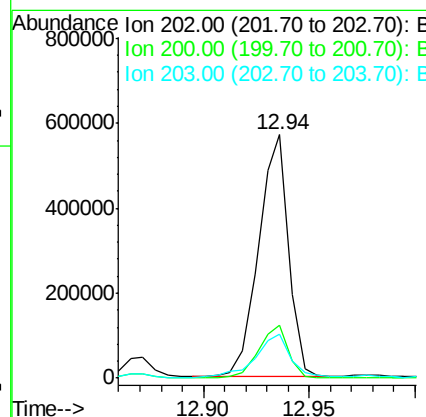
RT: 12.94 min Scan# 1802

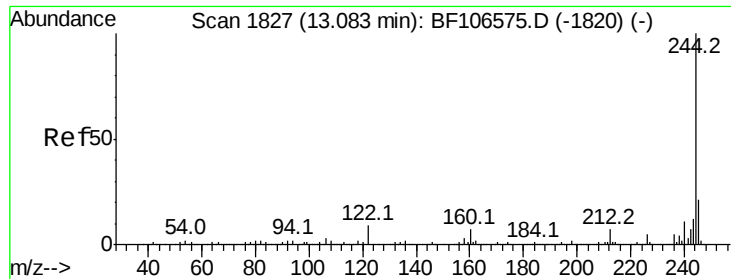
Delta R.T. 0.01 min

Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Tgt Ion:	202	Resp:	563255
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 5.921 ng

RT: 13.05 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Instrument :

BNA_F

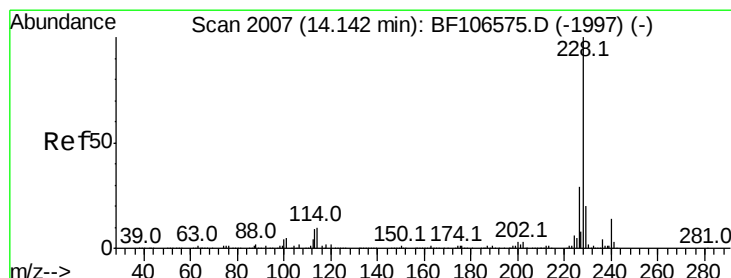
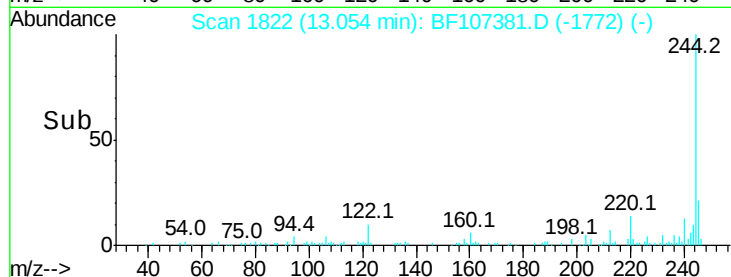
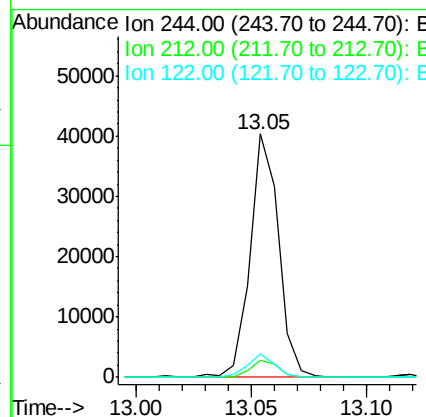
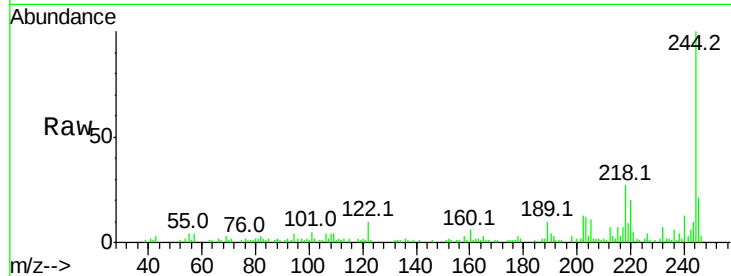
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.7	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 33.175 ng m

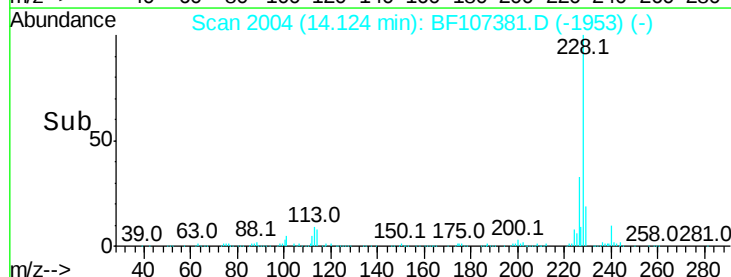
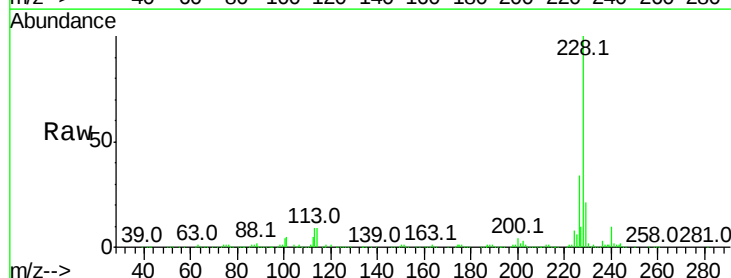
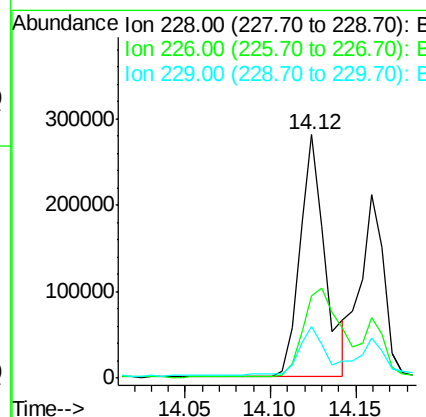
RT: 14.12 min Scan# 2004

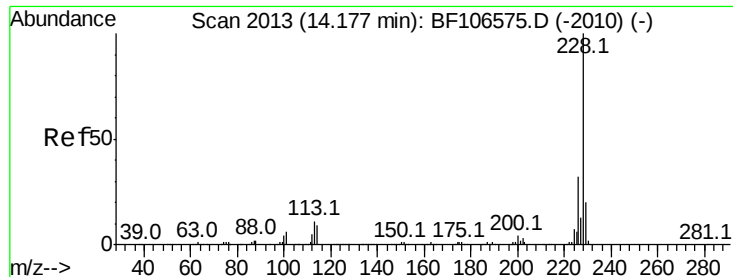
Delta R.T. 0.00 min

Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.9	22.6	33.8
229	21.4	15.8	23.6





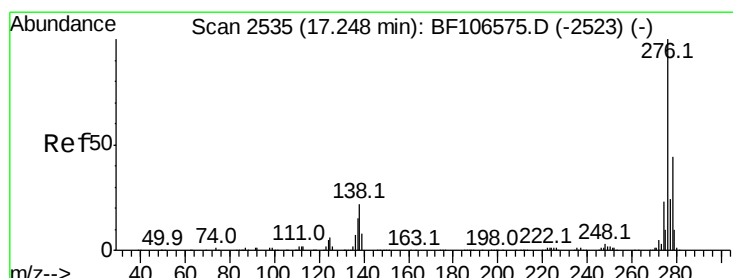
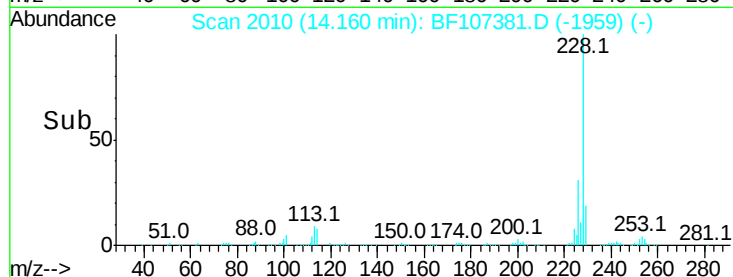
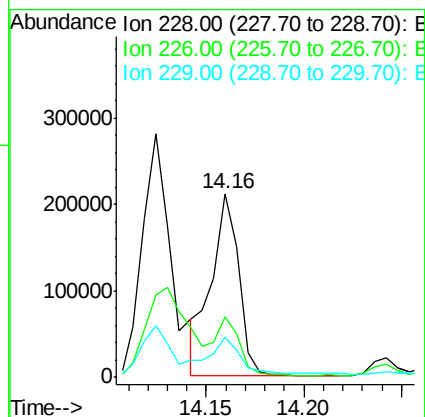
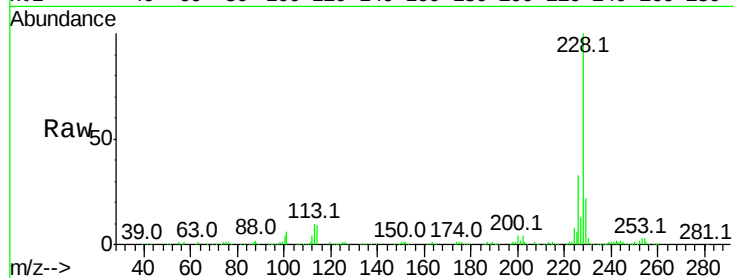
#82
Chrysene
Concen: 25.669 ng
RT: 14.16 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	25.0	37.6
229	21.6	16.2	24.4

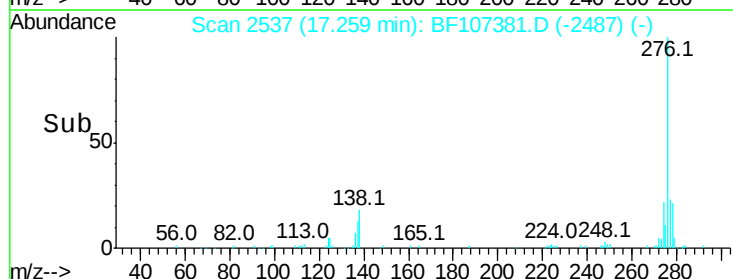
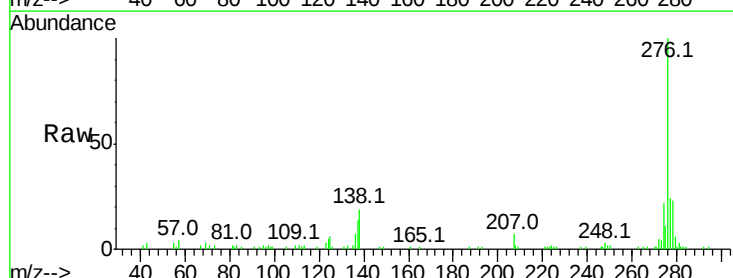
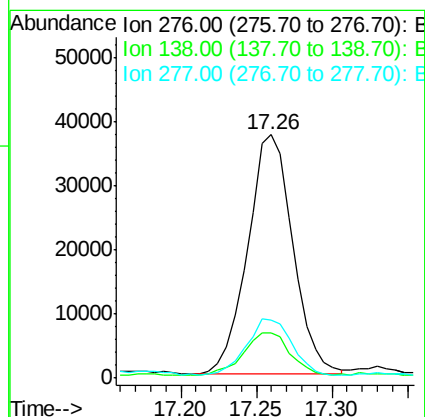
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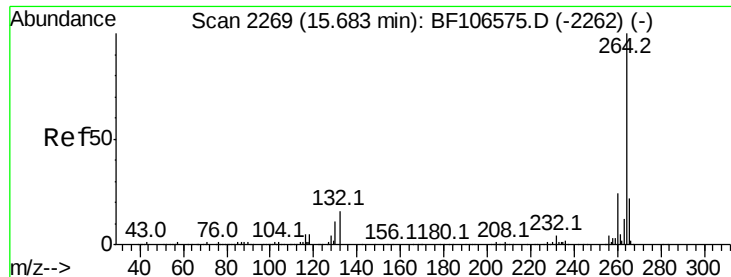
Sohil
7/16/2018 3:22:44 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 11.428 ng m
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	2.0	25.0	37.6#
277	1.8	20.1	30.1#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2266

Delta R.T. 0.00 min

Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Instrument :

BNA_F

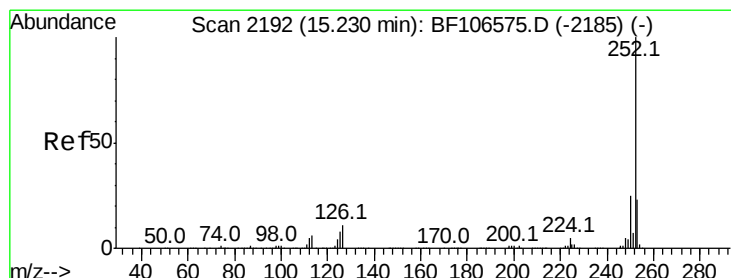
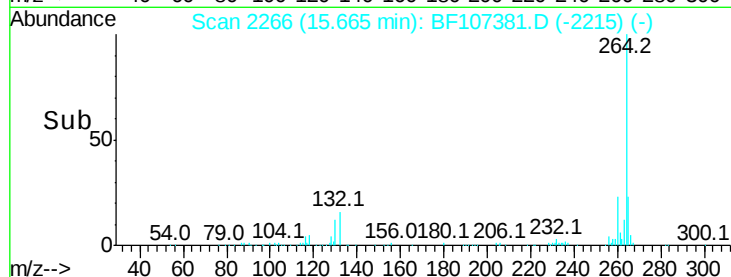
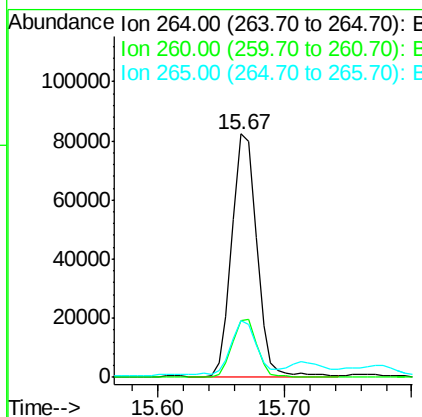
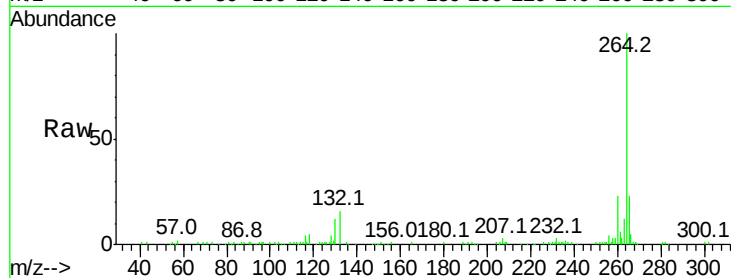
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	264	Resp:	111643
Ion Ratio		Lower	Upper
264	100		
260	23.2	19.2	28.8
265	23.2	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 27.623 ng m

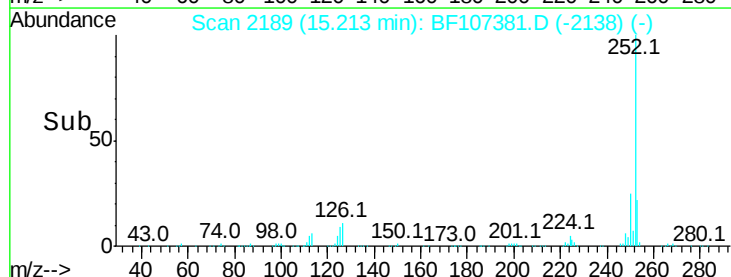
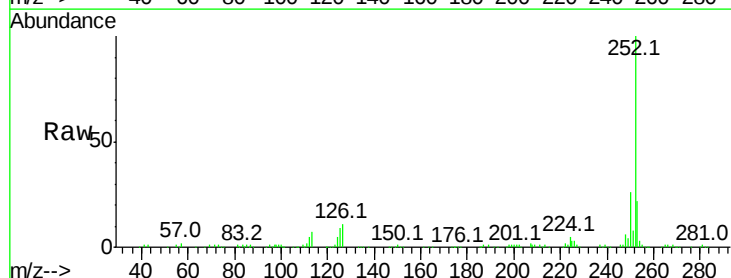
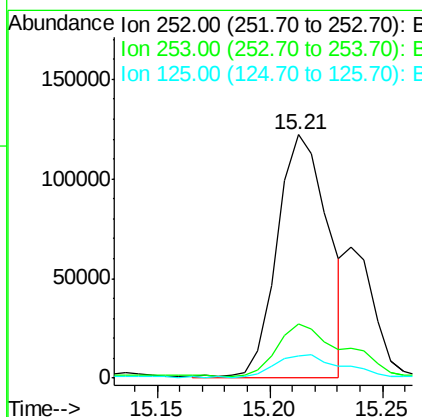
RT: 15.21 min Scan# 2189

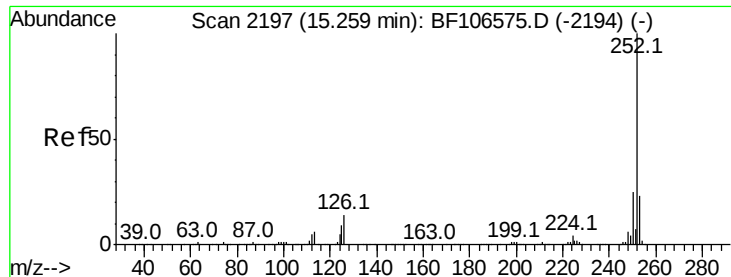
Delta R.T. 0.00 min

Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Tgt Ion:	252	Resp:	191570
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.0	25.6
125	9.1	9.0	13.6





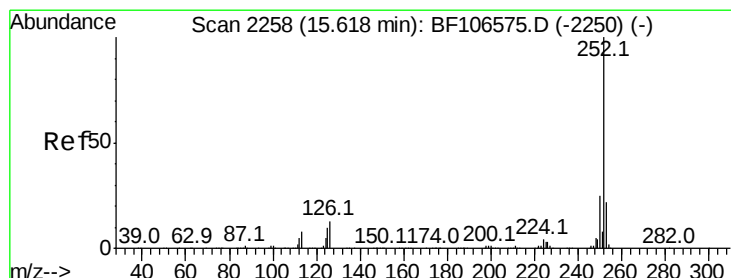
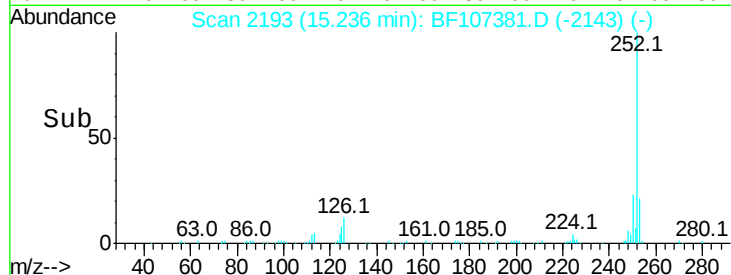
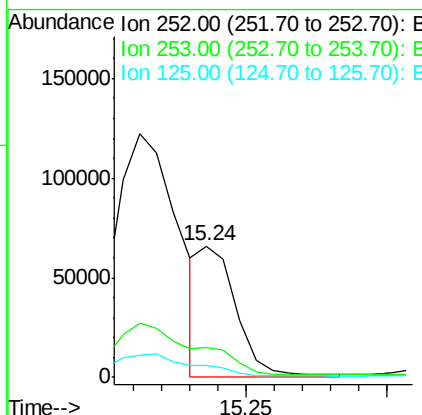
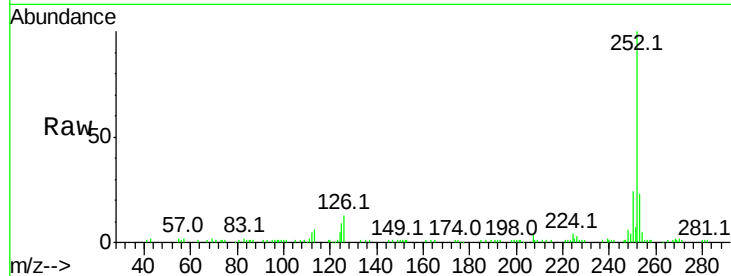
#88
Benzo(k)fluoranthene
Concen: 9.216 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	9.2	10.2	15.2#

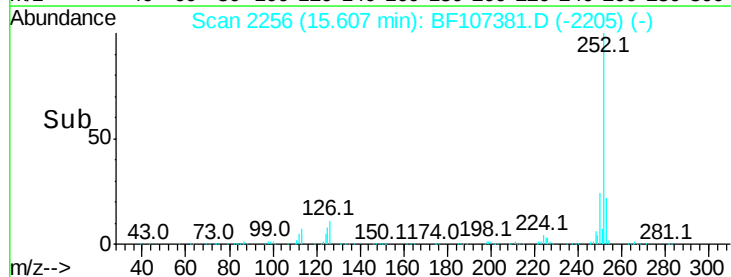
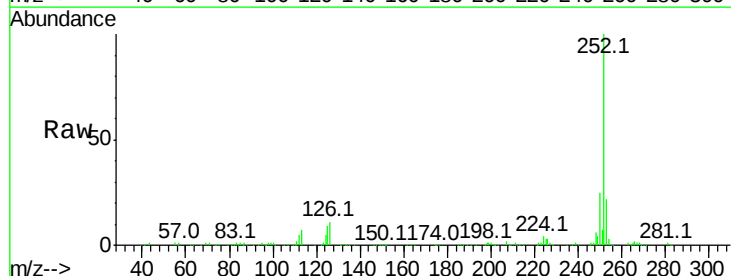
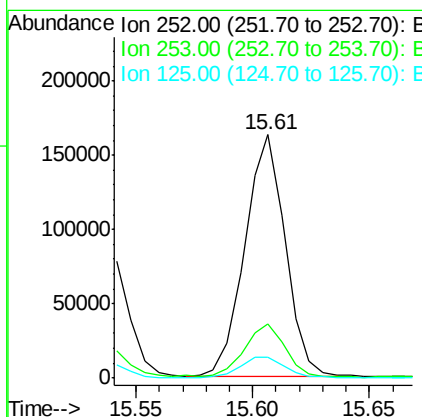
Manual Integrations
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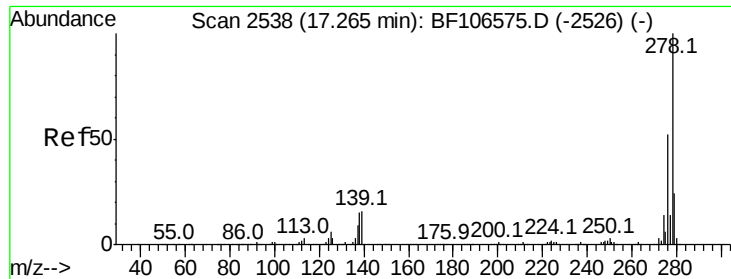
Sohil
7/16/2018 3:22:44 PM



#89
Benzo(a)pyrene
Concen: 31.966 ng m
RT: 15.61 min Scan# 2256
Delta R.T. 0.00 min
Lab File: BF107381.D
Acq: 13 Jul 2018 22:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	8.7	9.8	14.6#





#90

Dibenzo(a,h)anthracene

Concen: 4.240 ng

RT: 17.25 min Scan# 2536

Delta R.T. -0.01 min

Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Instrument :

BNA_F

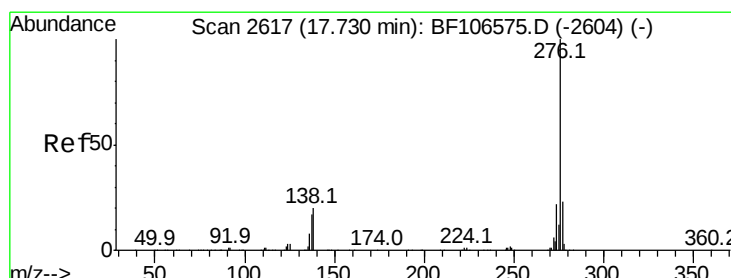
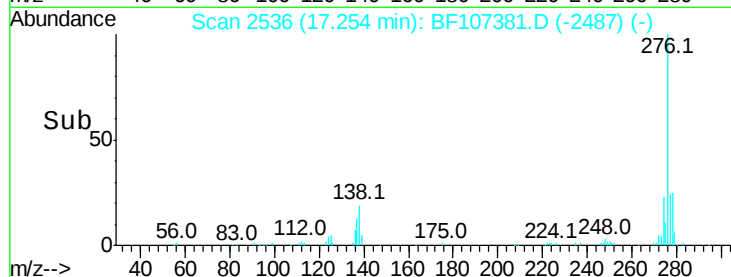
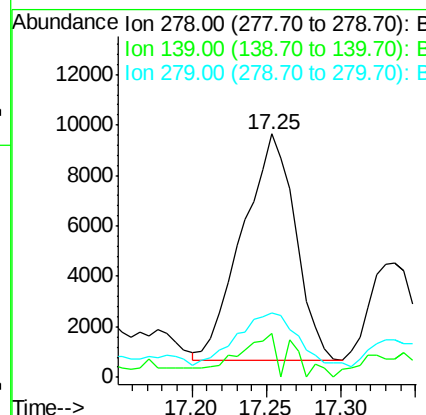
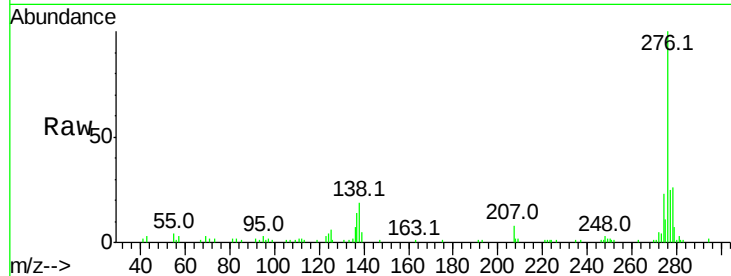
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	278	Resp:	22152
Ion Ratio	Lower	Upper	
278	100		
139	18.2	15.9	23.9
279	26.5	19.0	28.4

Manual Integrations
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Sohil
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#91

Benzo(g,h,i)perylene

Concen: 16.924 ng

RT: 17.75 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BF107381.D

Acq: 13 Jul 2018 22:21

Tgt Ion:	276	Resp:	86433
Ion Ratio	Lower	Upper	
276	100		
277	23.5	17.9	26.9
138	19.4	21.8	32.8#

