

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
 Data File : BF107364.D
 Acq On : 13 Jul 2018 13:56
 Operator : JU/SJ
 Sample : J3948-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 7/16/2018 3:22:13 PM

Quant Time: Jul 13 15:15:46 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	52208	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	180394	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	77174	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	148011	20.00	ng	0.00
75) Chrysene-d12	14.14	240	166760	20.00	ng	0.00
86) Perylene-d12	15.68	264	139991	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	288936	93.71	ng	0.00
7) Phenol-d6	6.58	99	346483	89.99	ng	0.00
23) Nitrobenzene-d5	7.50	82	209273	64.47	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	82092	91.78	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	320045	67.09	ng	0.00
78) Terphenyl-d14	13.06	244	368899	53.58	ng	0.00
Target Compounds						
10) Phenol	6.59	94	9204	2.095	ng	Qvalue # 74
31) Naphthalene	8.24	128	321947	38.173	ng	99
37) 2-Methylnaphthalene	8.93	142	47628	8.520	ng	94
45) 1,1'-Biphenyl	9.39	154	33766	5.490	ng	99
48) Acenaphthylene	9.84	152	45446	5.946	ng	98
49) Dimethylphthalate	9.68	163	62257	10.756	ng	# 98
51) Acenaphthene	10.01	154	116923	24.293	ng	96
54) Dibenzofuran	10.18	168	14955	2.269	ng	94
57) Fluorene	10.53	166	59247	11.329	ng	99
70) Phenanthrene	11.50	178	417376	58.465	ng	99
71) Anthracene	11.55	178	138630	19.025	ng	98
74) Fluoranthene	12.70	202	464118	58.985	ng	95
77) Pvrene	12.94	202	558730	50.809	ng	99
80) Benzo(a)anthracene	14.12	228	262511	25.829	ng	94
82) Chrysene	14.17	228	212663	22.744	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	79900	10.069	ng	# 88
87) Benzo(b)fluoranthene	15.22	252	209976m	24.146	ng	
88) Benzo(k)fluoranthene	15.25	252	60749m	7.336	ng	
89) Benzo(a)pvrene	15.61	252	194090	25.106	ng	98
90) Dibenzo(a,h)anthracene	17.27	278	17283m	2.638	ng	
91) Benzo(g,h,i)perylene	17.76	276	81506	12.728	ng	92

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

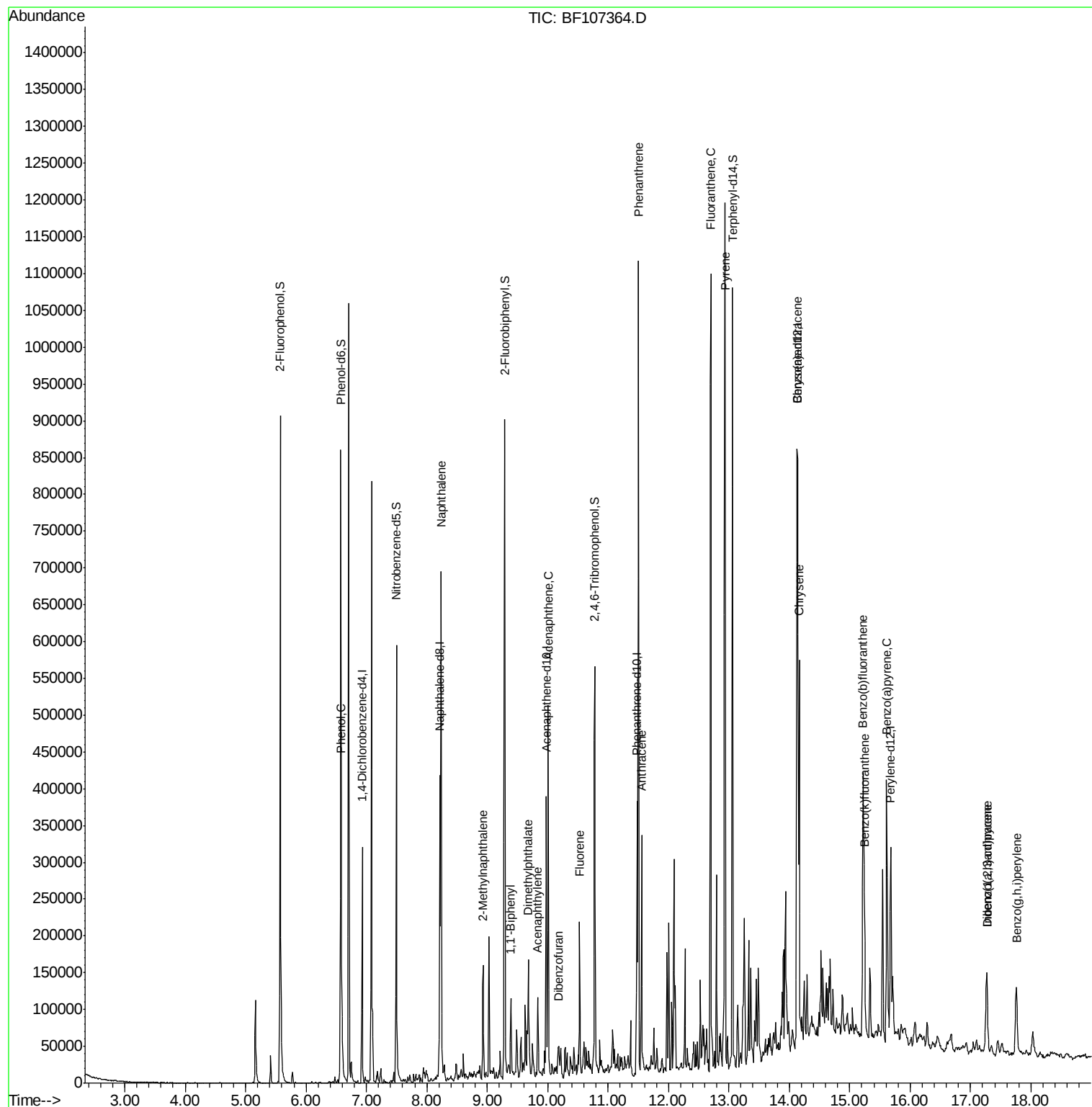
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ALS Vial : 11 Sample Multiplier: 1

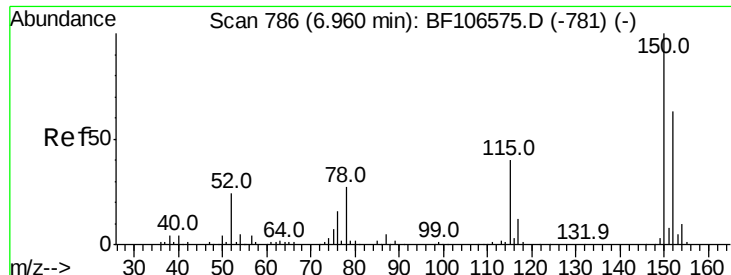
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Manual Integrations
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#1

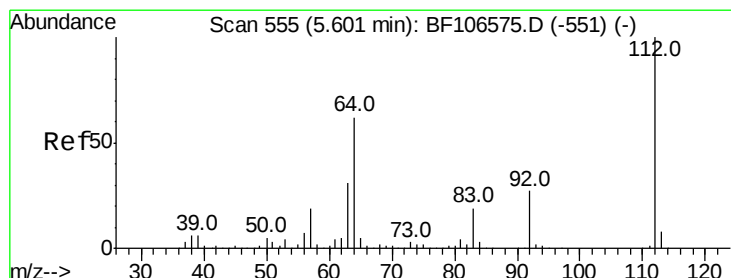
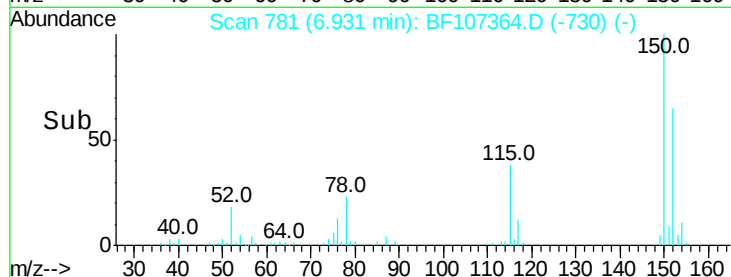
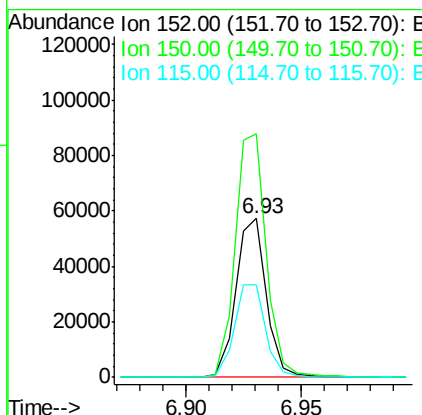
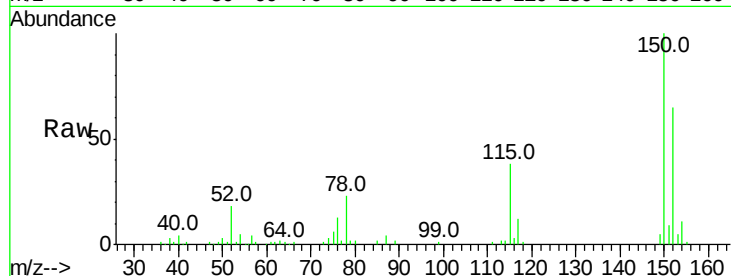
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	58.2	50.1	75.1

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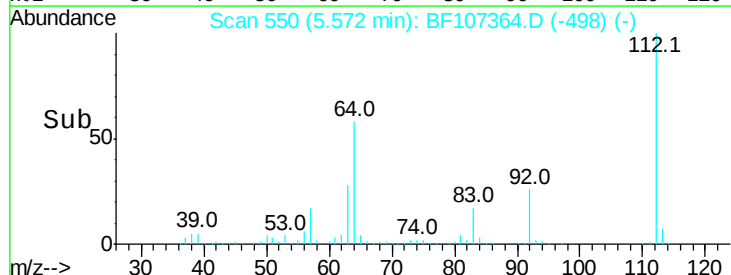
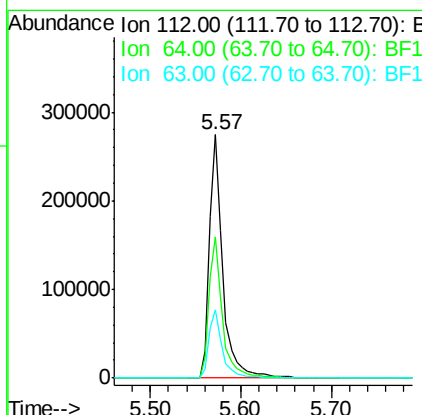
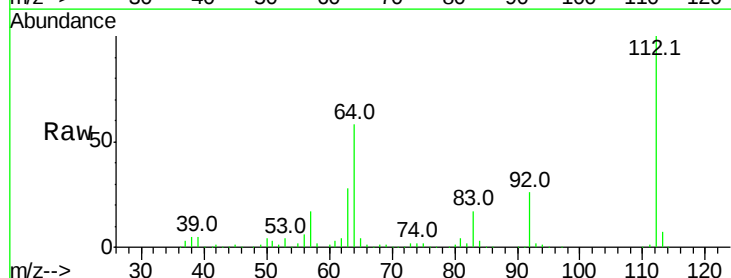
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#5

2-Fluorophenol
Concen: 93.714 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 89.989 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF107364.D

Acq: 13 Jul 2018 13:56

Instrument :

BNA_F

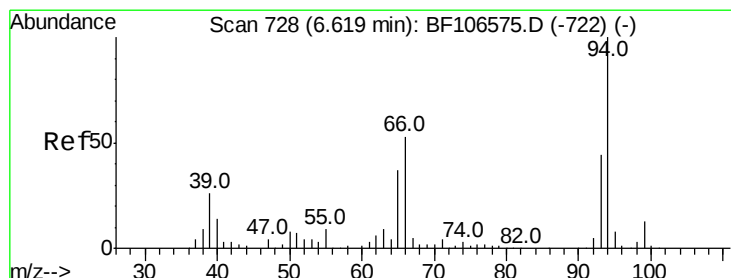
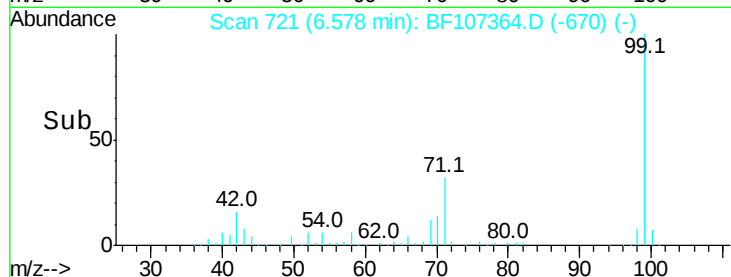
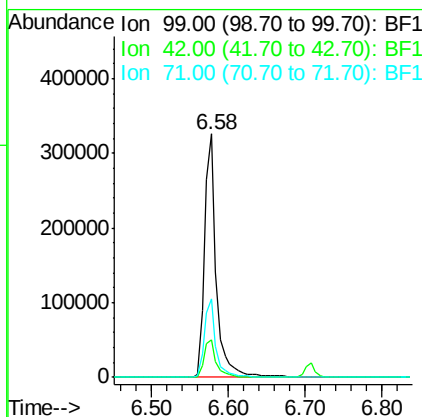
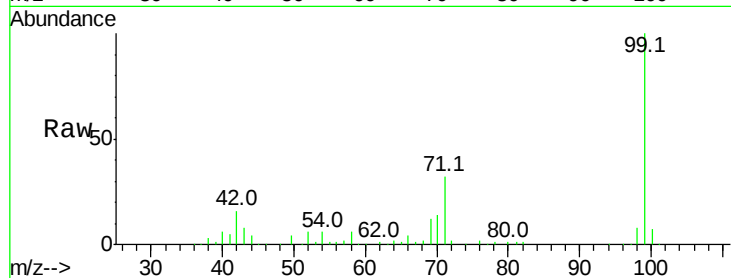
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	99	Resp:	346483
Ion Ratio	Lower	Upper	
99	100		
42	15.5	14.5	21.7
71	32.2	25.4	38.0

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#10

Phenol

Concen: 2.095 ng

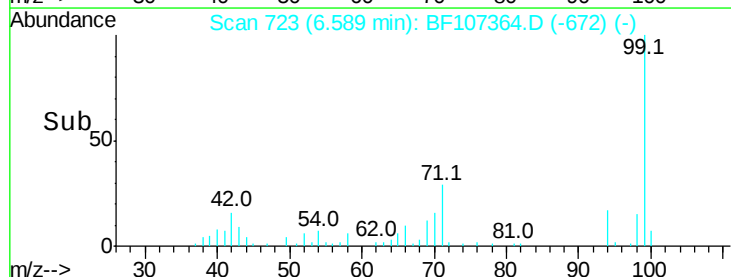
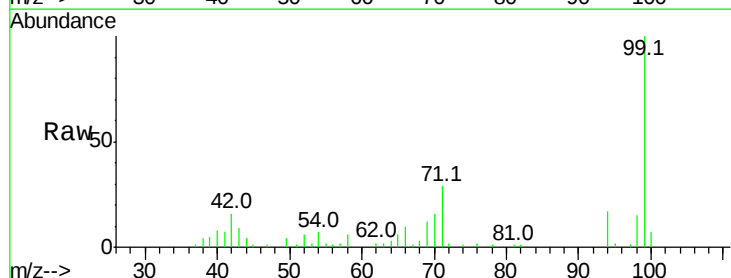
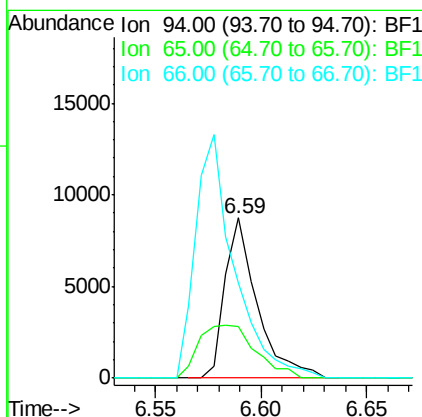
RT: 6.59 min Scan# 723

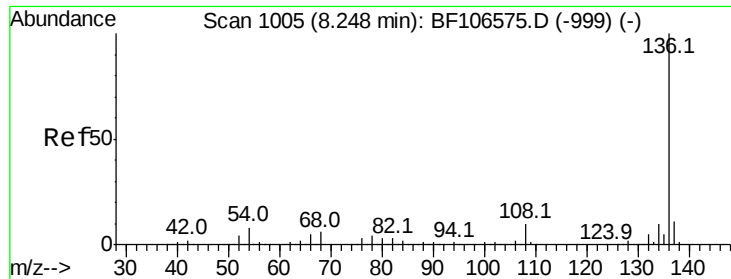
Delta R.T. -0.00 min

Lab File: BF107364.D

Acq: 13 Jul 2018 13:56

Tgt Ion:	94	Resp:	9204
Ion Ratio	Lower	Upper	
94	100		
65	32.5	7.9	47.9
66	59.6	16.2	56.2#





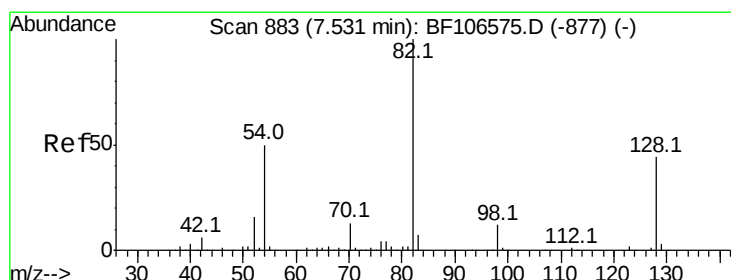
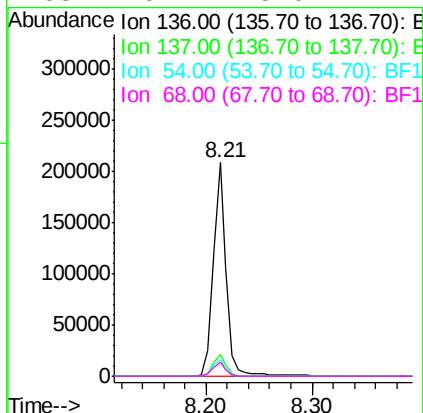
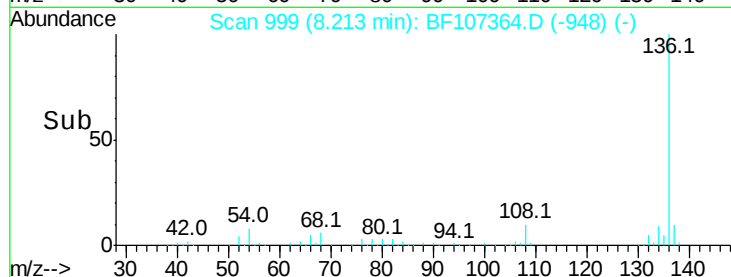
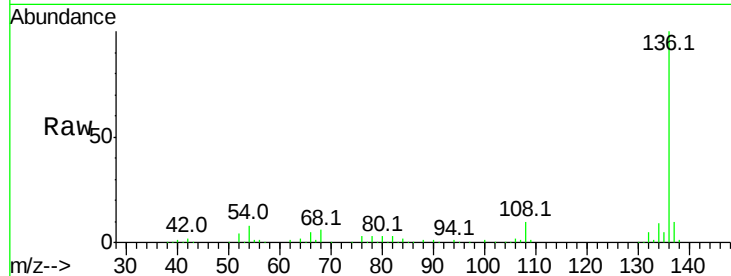
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 999
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	180394		
137	10.5	8.9	13.3	
54	8.1	6.6	9.8	
68	6.4	5.0	7.4	

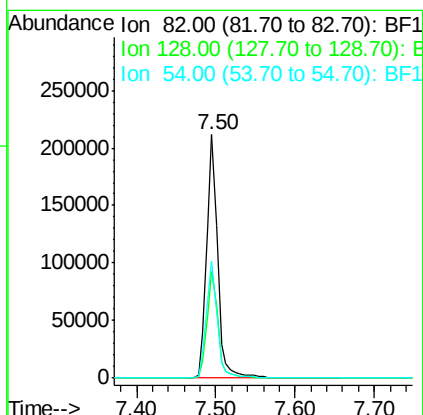
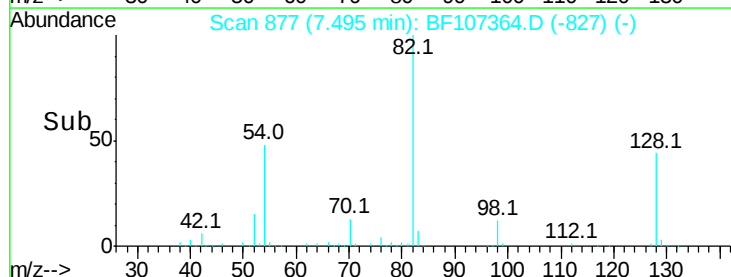
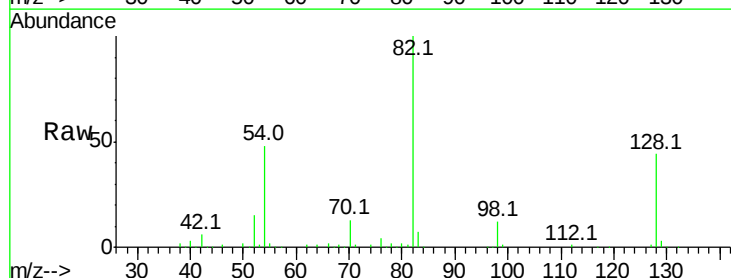
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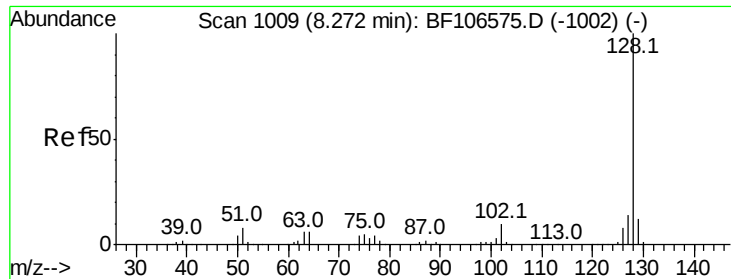
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#23
Nitrobenzene-d5
Concen: 64.470 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	209273		
128	43.8	36.1	54.1	
54	48.3	41.4	62.2	





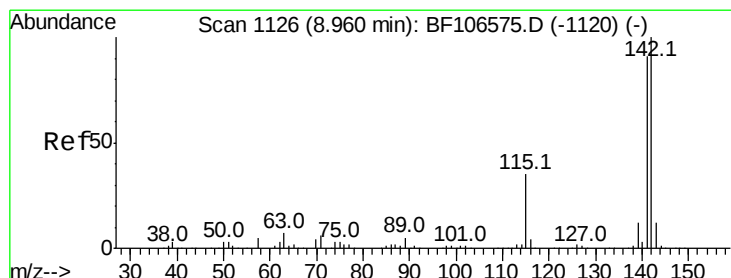
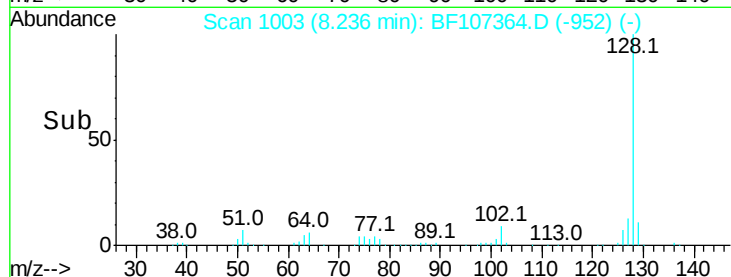
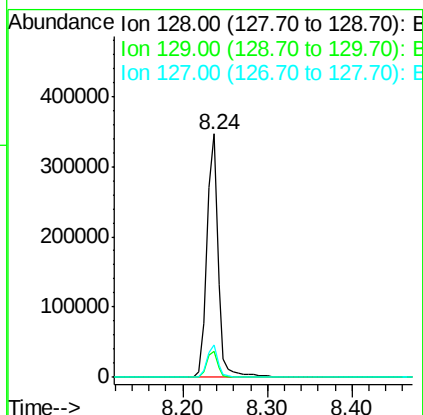
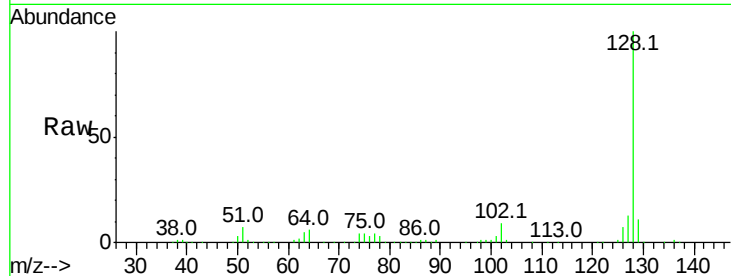
#31
Naphthalene
Concen: 38.173 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	321947		
129	10.9		8.8	13.2
127	13.1		10.9	16.3

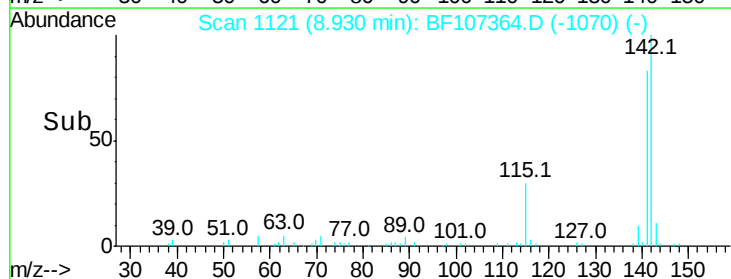
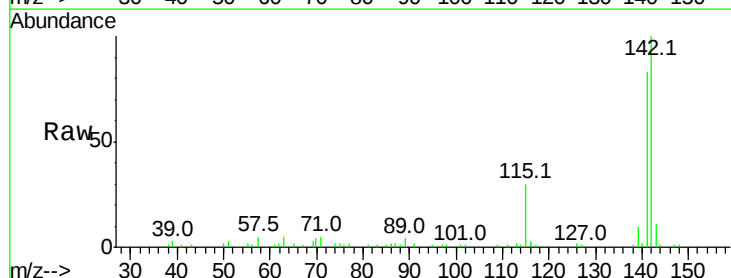
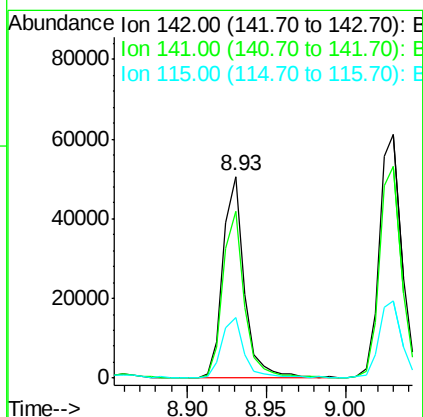
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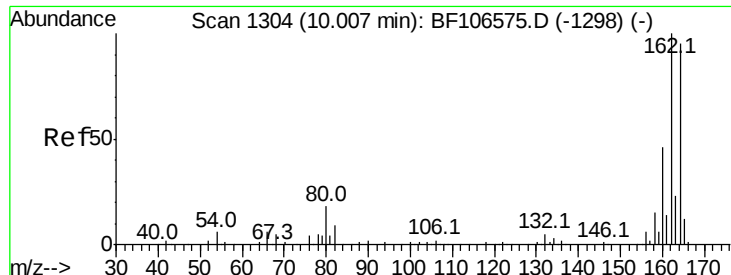
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#37
2-Methylnaphthalene
Concen: 8.520 ng
RT: 8.93 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	47628		
141	82.6		70.8	106.2
115	29.9		26.1	39.1





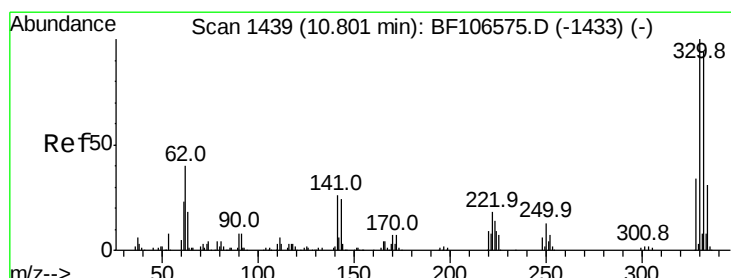
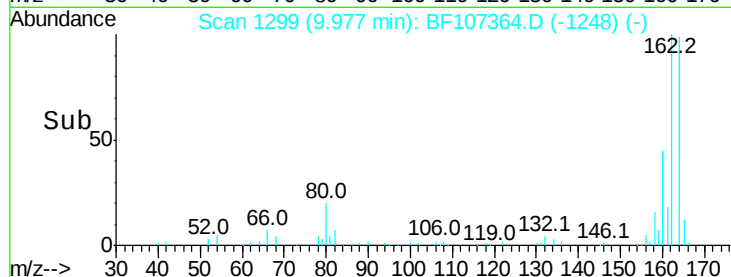
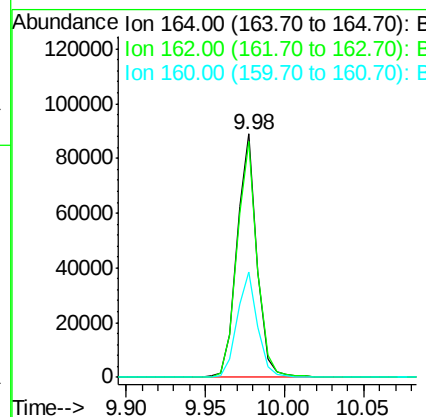
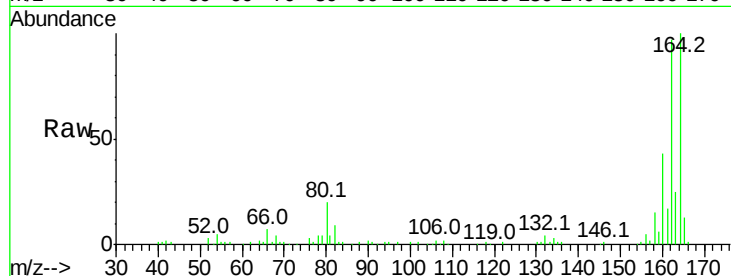
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.1	86.1	129.1
160	43.4	38.3	57.5

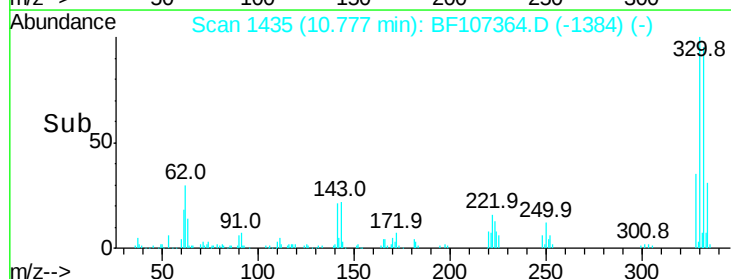
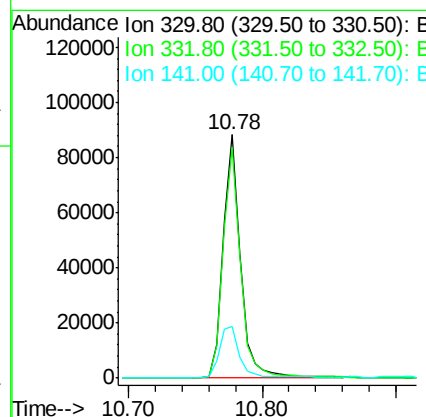
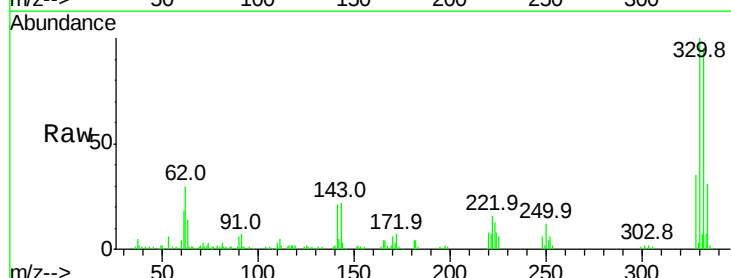
Manual Integrations
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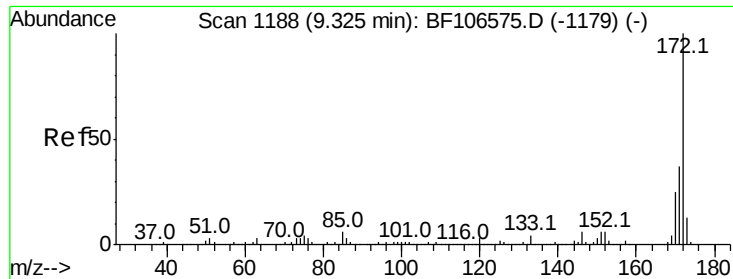
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#41
2,4,6-Tribromophenol
Concen: 91.778 ng
RT: 10.78 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	25.1	29.9	44.9#





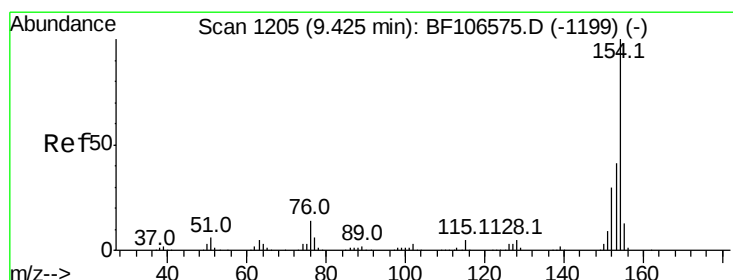
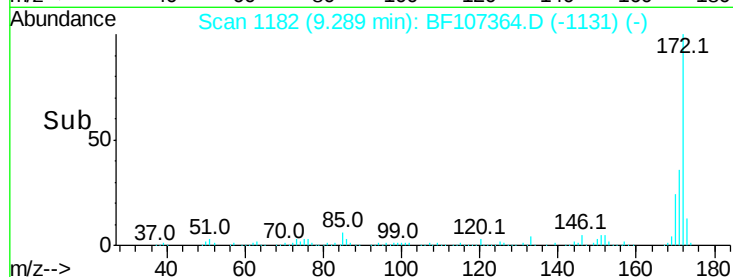
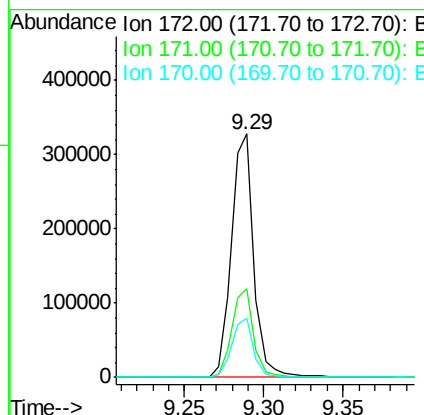
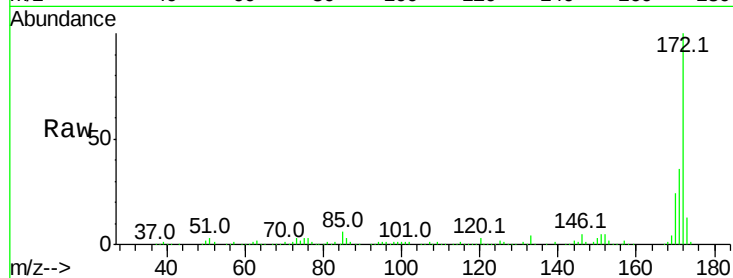
#44
2-Fluorobiphenyl
Concen: 67.085 ng
RT: 9.29 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Resp	Lower	Upper
172	100	320045		
171	36.3		29.7	44.5
170	24.2		19.6	29.4

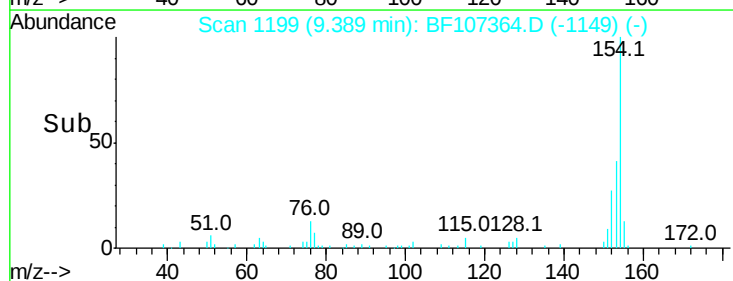
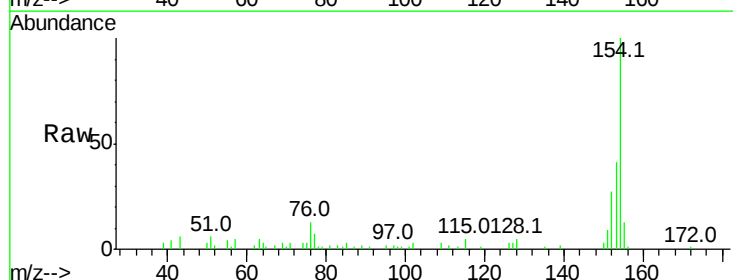
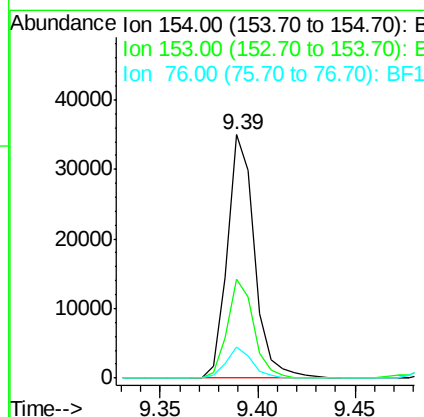
Manual Integrations
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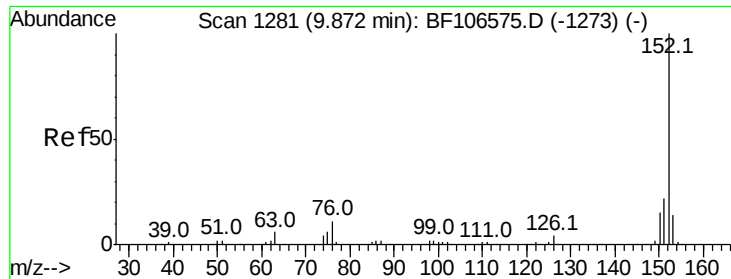
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#45
1,1'-Biphenyl
Concen: 5.490 ng
RT: 9.39 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	33766		
153	40.8		21.3	61.3
76	12.8		0.0	34.0





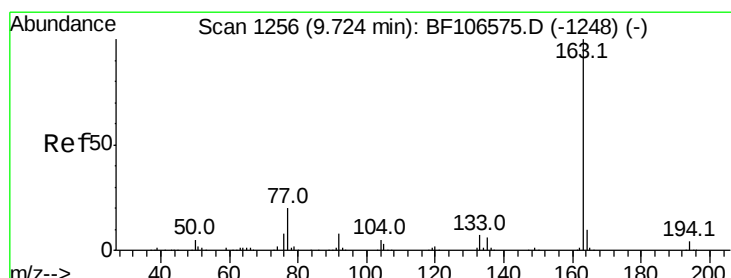
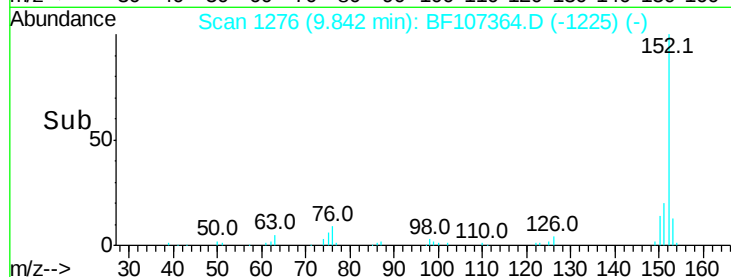
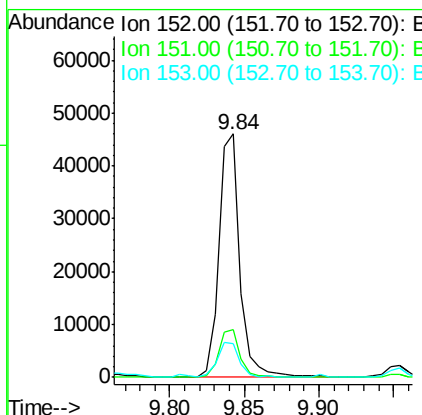
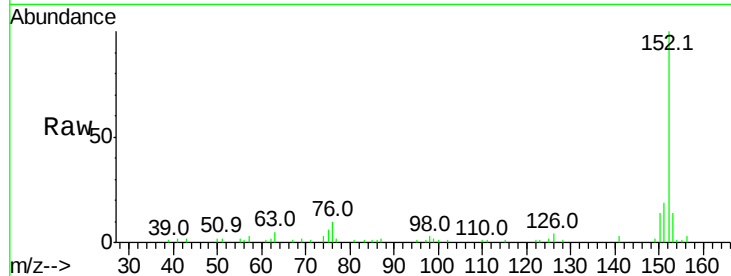
#48
Acenaphthylene
Concen: 5.946 ng
RT: 9.84 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	13.9	10.7	16.1

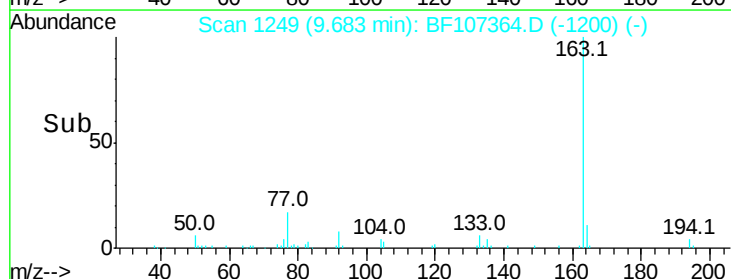
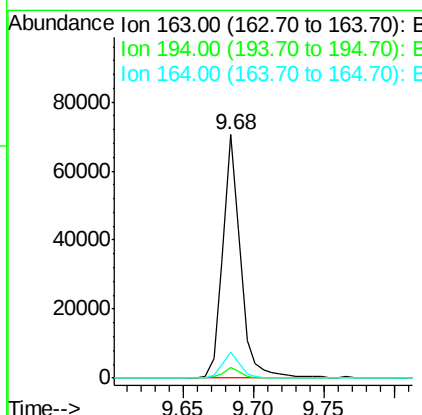
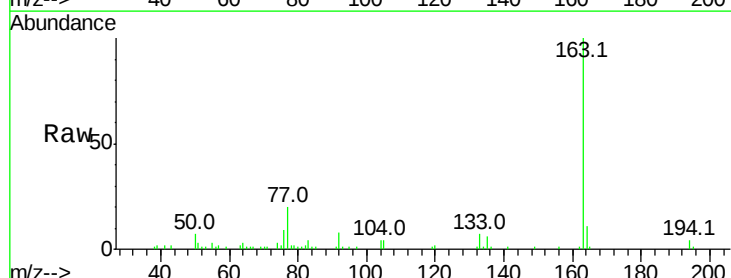
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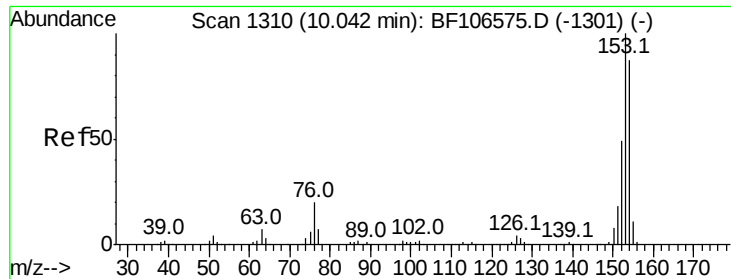
Sohil
7/16/2018 3:22:13 PM



#49
Dimethylphthalate
Concen: 10.756 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	10.9	8.2	12.2





#51

Acenaphthene

Concen: 24.293 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF107364.D

Acq: 13 Jul 2018 13:56

Instrument :

BNA_F

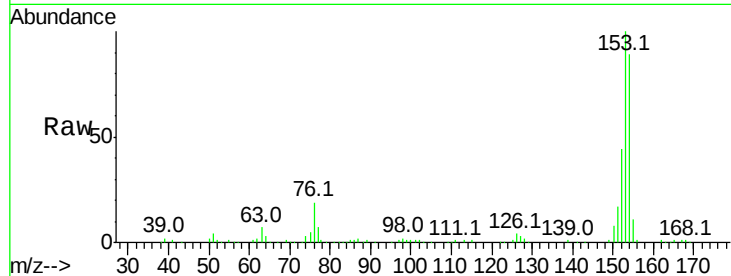
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

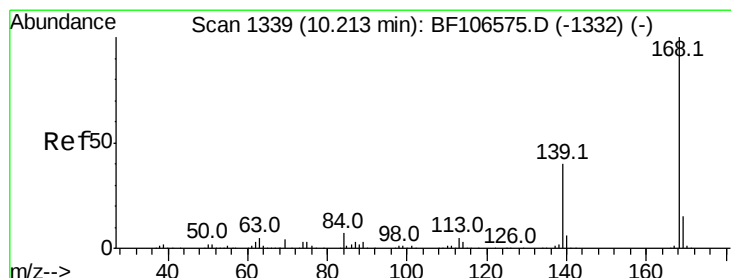
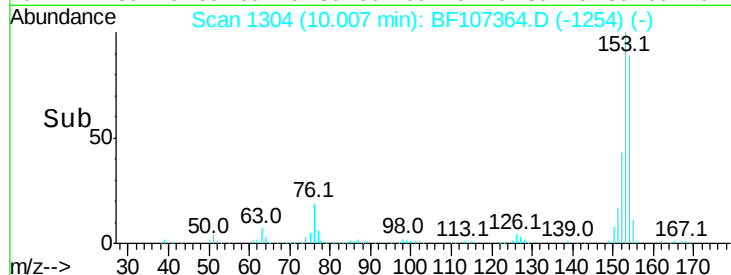
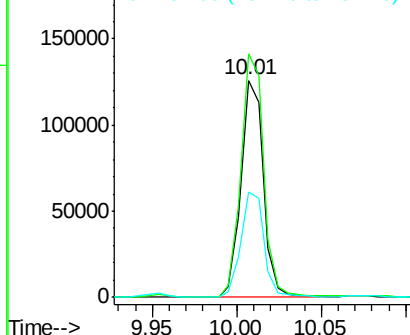
Tot Ion:	154	Resp:	116923
Ion Ratio	Lower	Upper	
154	100		
153	112.2	91.2	136.8
152	48.9	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.269 ng

RT: 10.18 min Scan# 1334

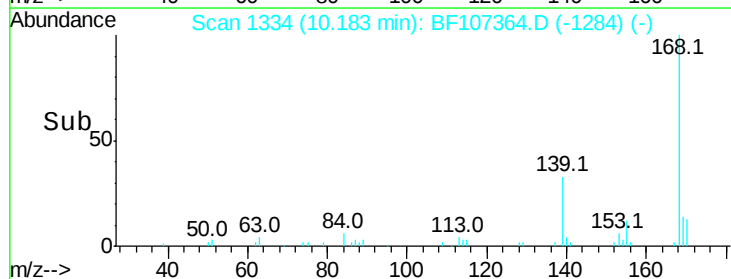
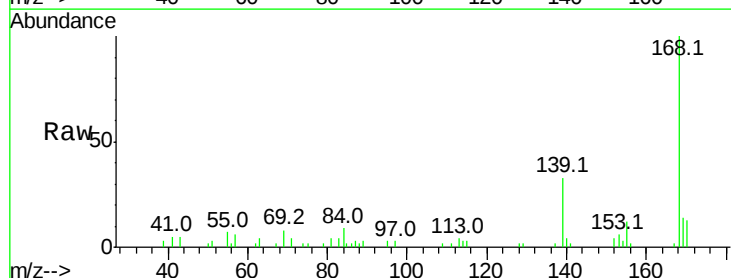
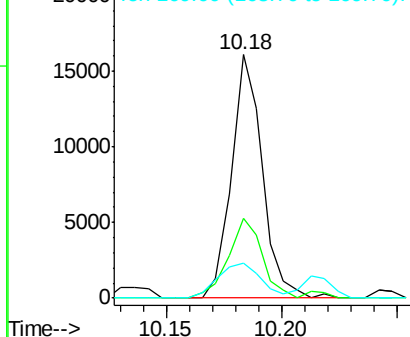
Delta R.T. -0.01 min

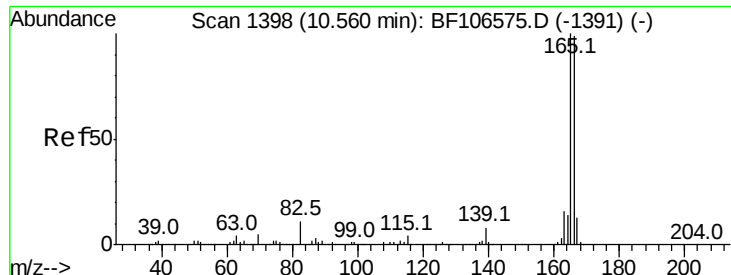
Lab File: BF107364.D

Acq: 13 Jul 2018 13:56

Tgt Ion:	168	Resp:	14955
Ion Ratio	Lower	Upper	
168	100		
139	32.9	30.1	45.1
169	14.2	10.9	16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 11.329 ng

RT: 10.53 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BF107364.D

Acq: 13 Jul 2018 13:56

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:166 Resp: 59247

Ion Ratio Lower Upper

166 100

165 100.8 79.8 119.8

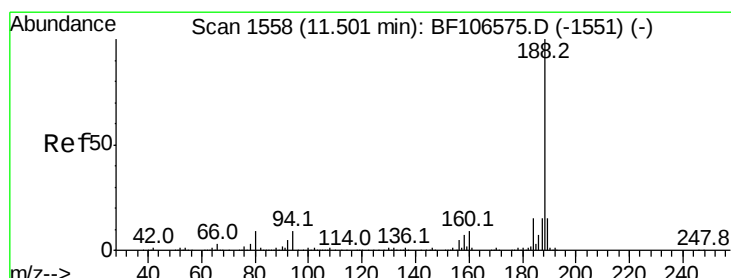
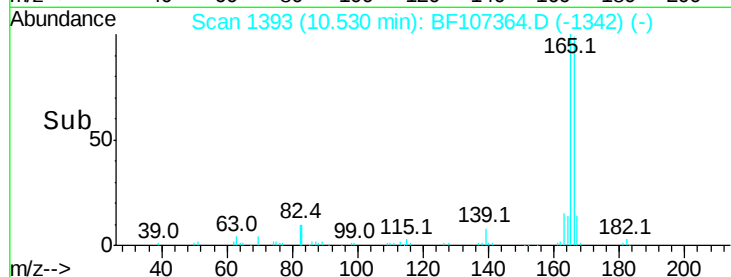
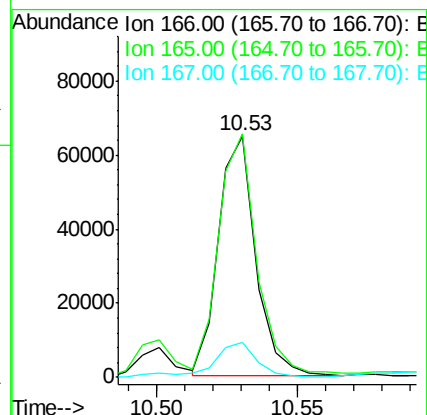
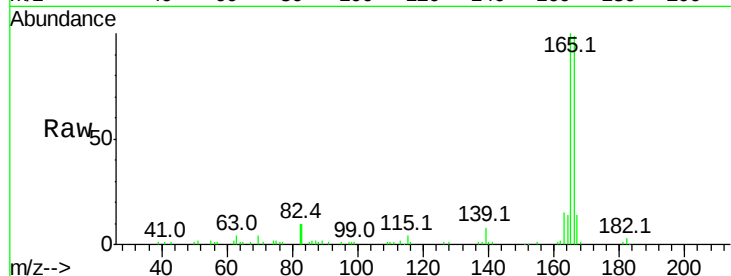
167 14.2 10.6 16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1554

Delta R.T. -0.00 min

Lab File: BF107364.D

Acq: 13 Jul 2018 13:56

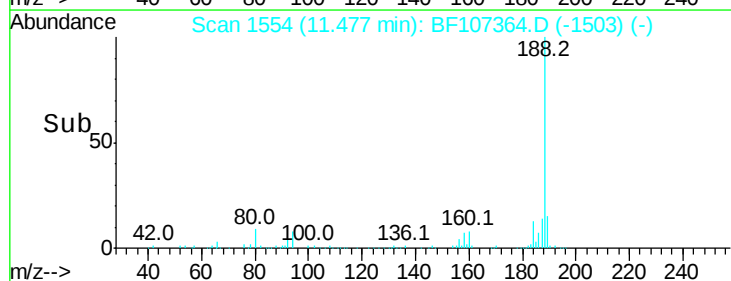
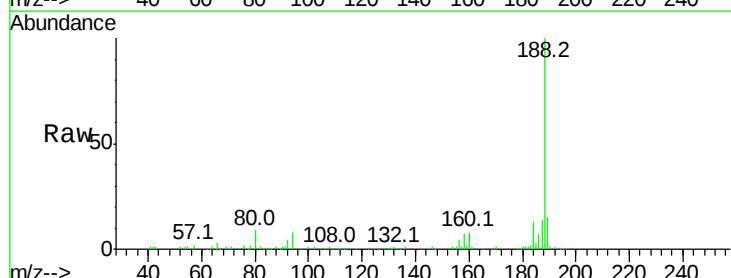
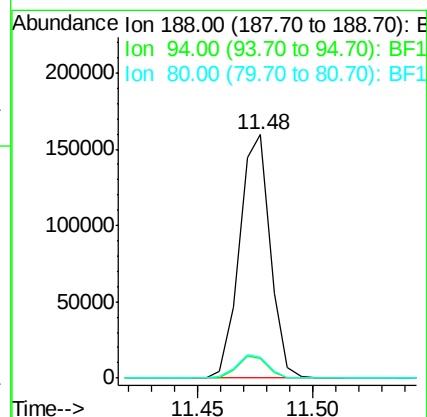
Tgt Ion:188 Resp: 148011

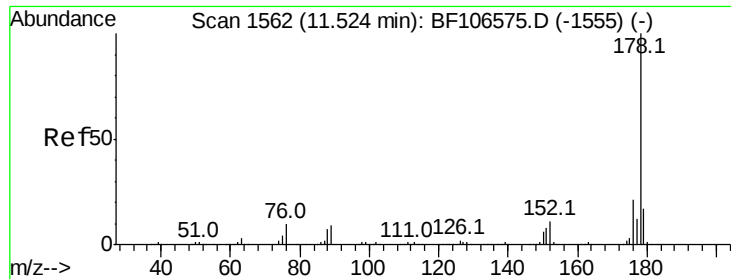
Ion Ratio Lower Upper

188 100

94 8.3 8.5 12.7#

80 8.7 9.2 13.8#





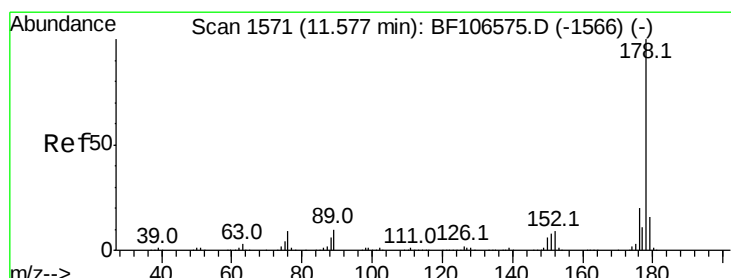
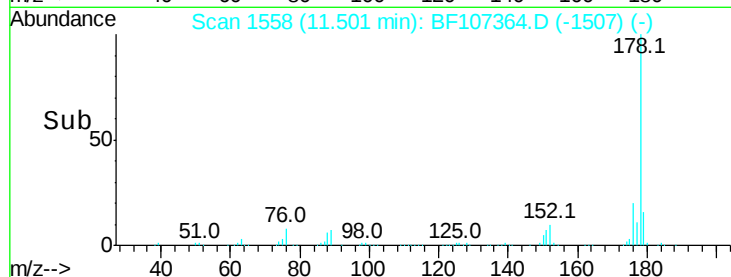
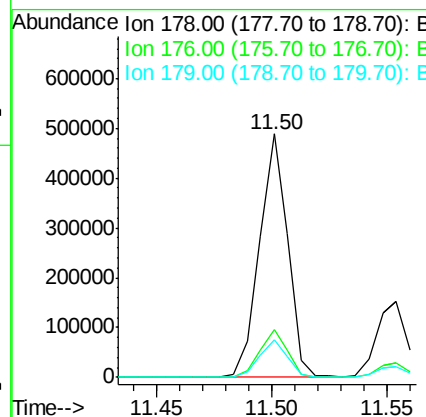
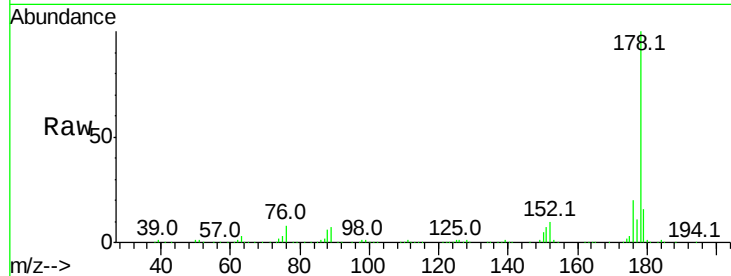
#70
Phenanthrene
Concen: 58.465 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.6	13.0	19.6

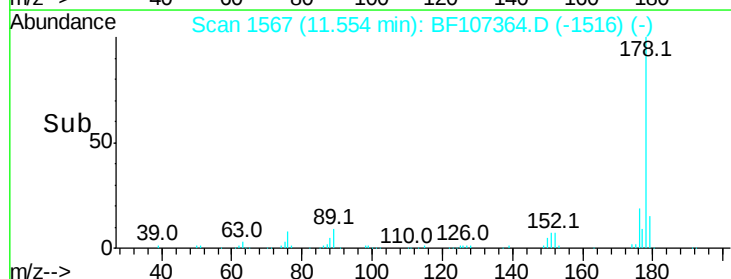
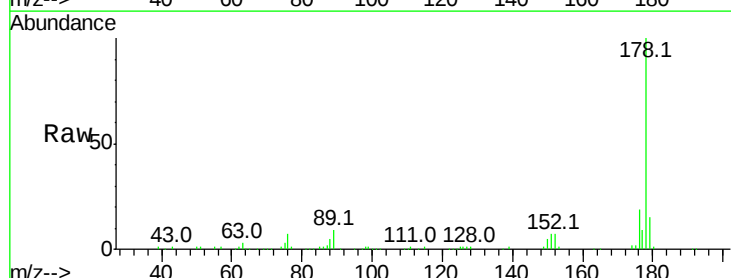
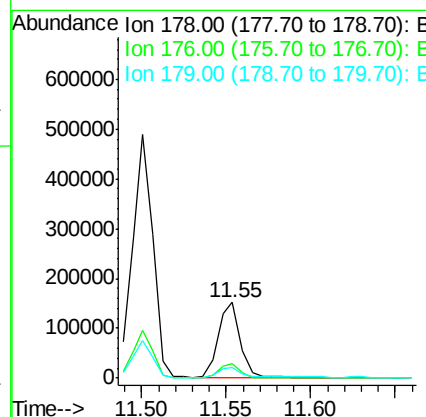
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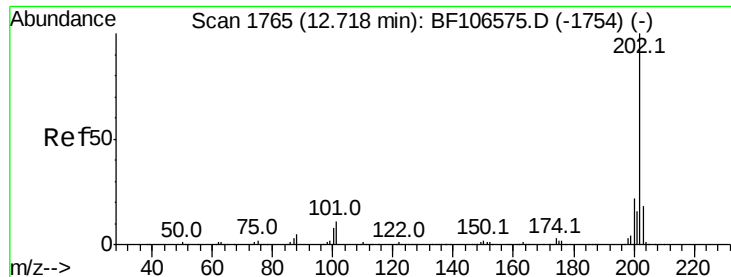
Sohil
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#71
Anthracene
Concen: 19.025 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.0	12.6	19.0





#74

Fluoranthene

Concen: 58.985 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF107364.D

Acq: 13 Jul 2018 13:56

Instrument :

BNA_F

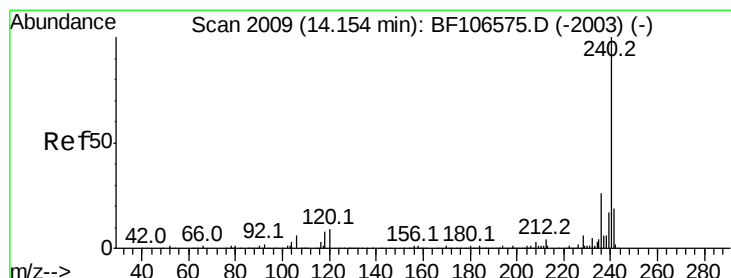
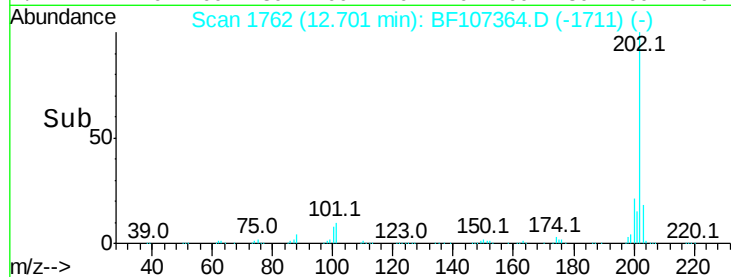
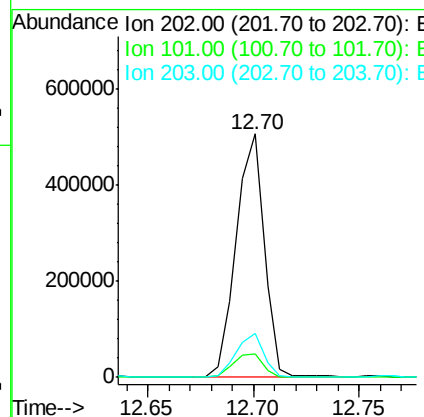
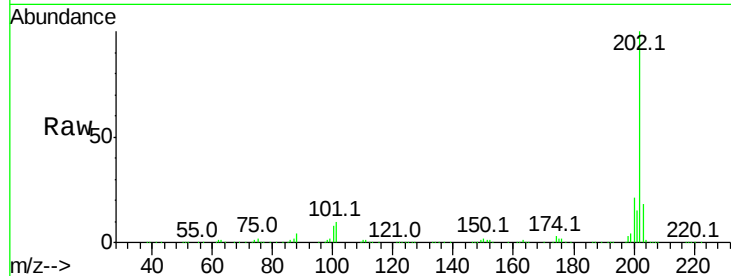
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	202	Resp:	464118
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	34.1
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

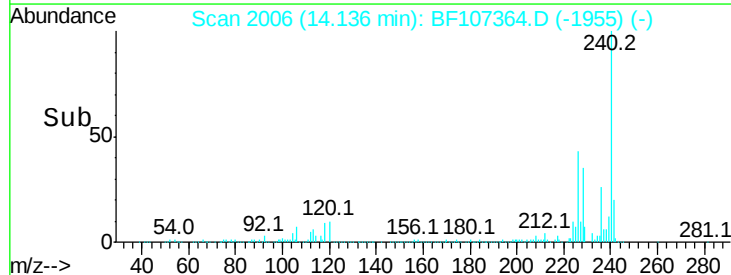
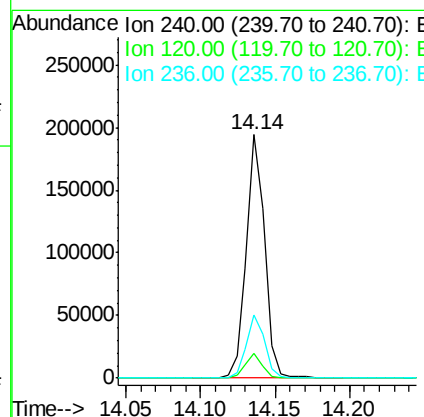
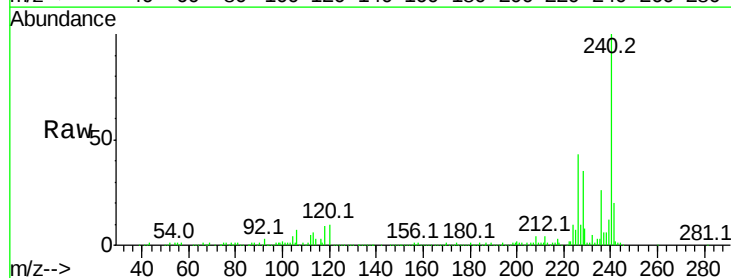
RT: 14.14 min Scan# 2006

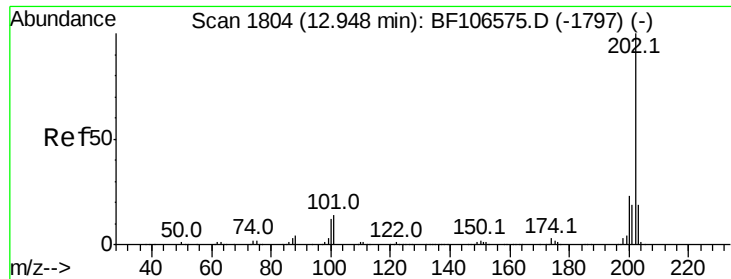
Delta R.T. -0.00 min

Lab File: BF107364.D

Acq: 13 Jul 2018 13:56

Tgt Ion:	240	Resp:	166760
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.5	14.3
236	25.8	20.7	31.1





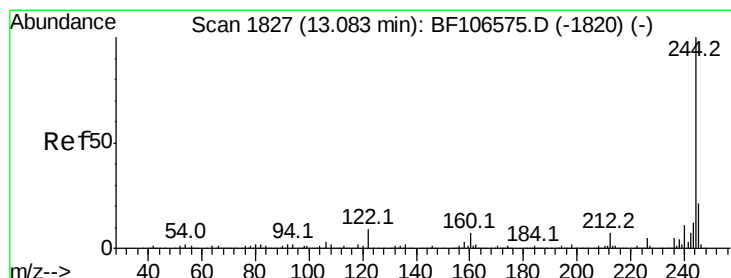
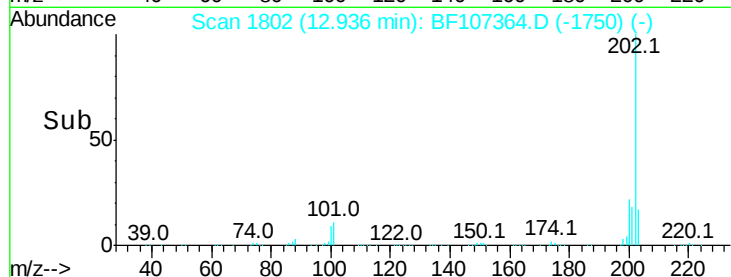
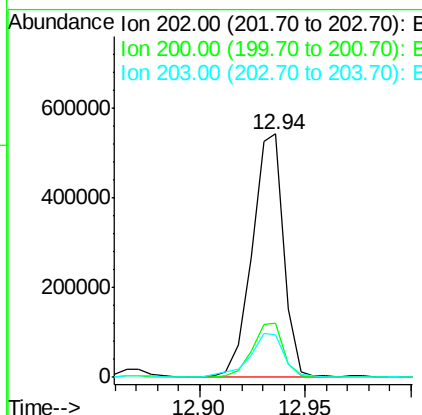
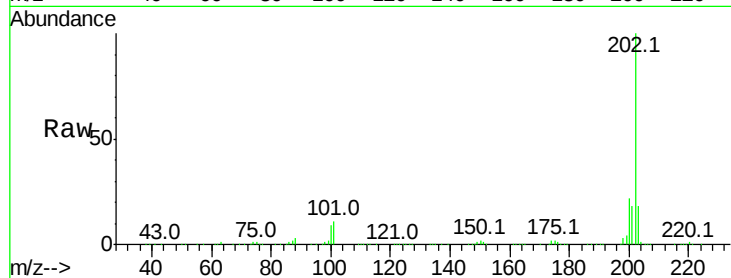
#77
Pvrene
Concen: 50.809 ng
RT: 12.94 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.4	26.2
203	17.8	14.3	21.5

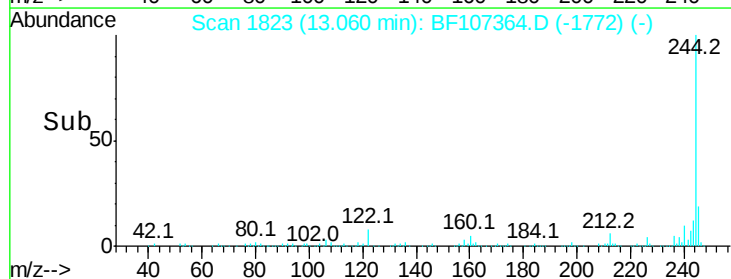
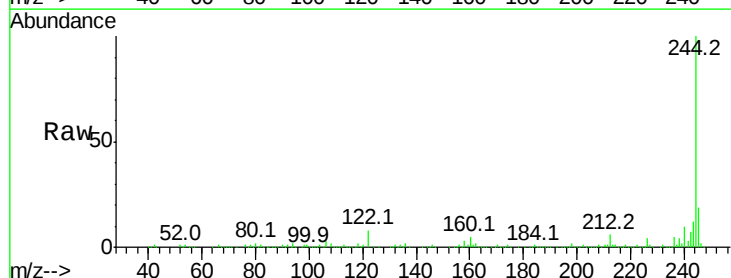
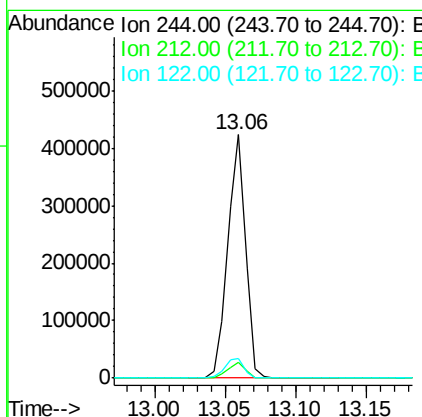
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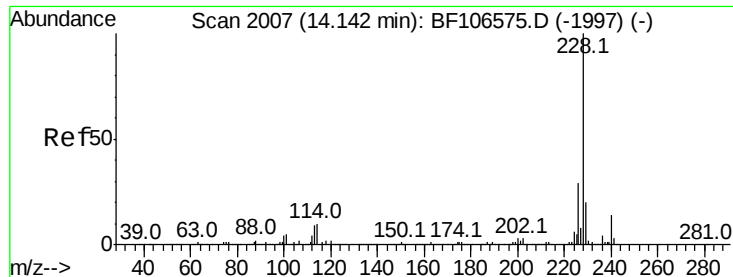
Sohil
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#78
Terphenyl-d14
Concen: 53.585 ng
RT: 13.06 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.3	11.0	16.4#





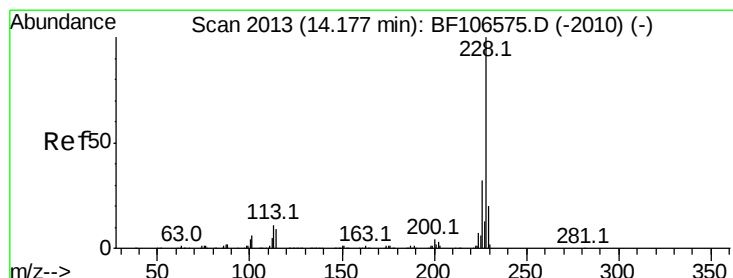
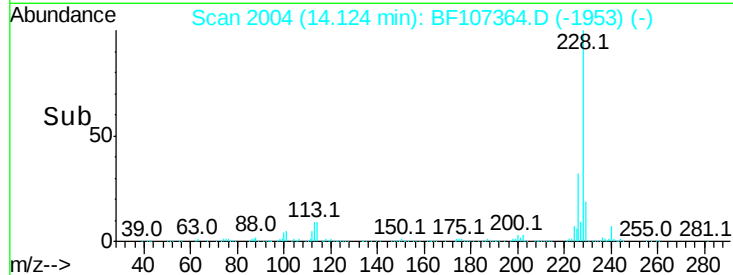
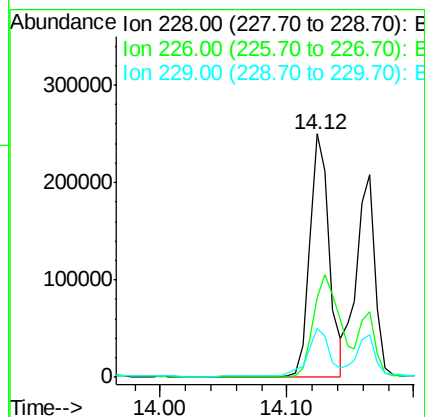
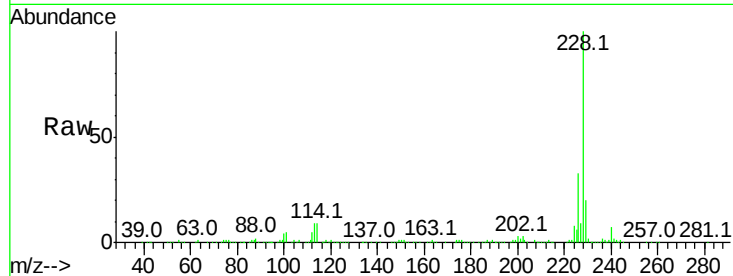
#80
Benzo(a)anthracene
Concen: 25.829 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.6	33.8
229	20.0	15.8	23.6

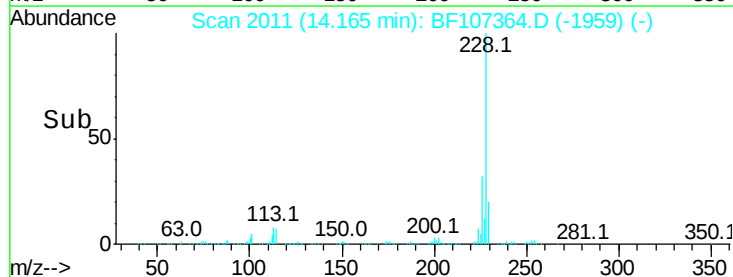
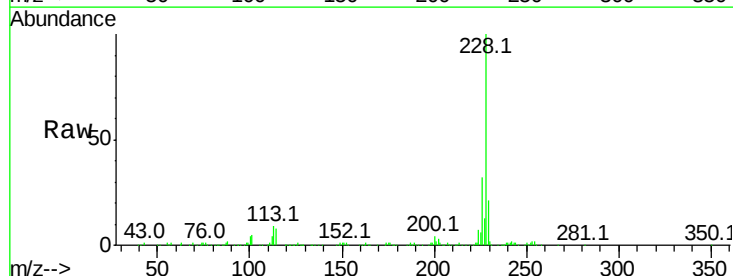
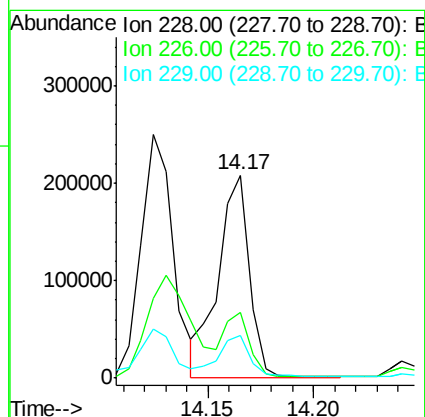
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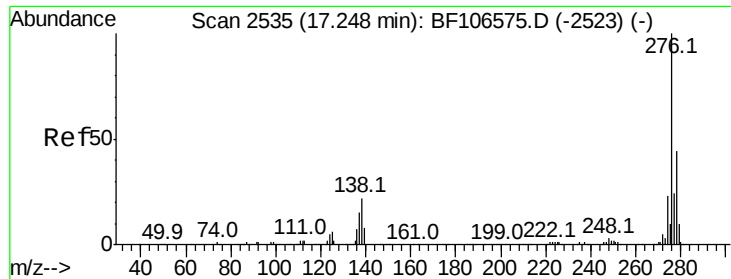
Sohil
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#82
Chrysene
Concen: 22.744 ng
RT: 14.17 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.0	37.6
229	20.9	16.2	24.4





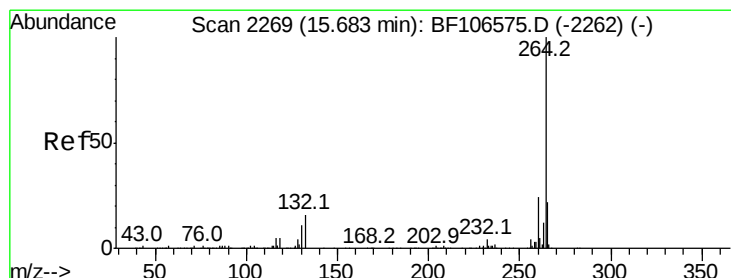
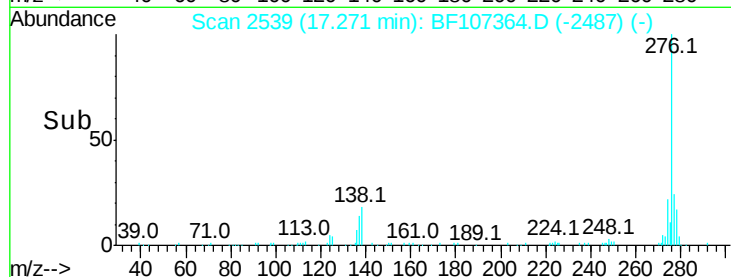
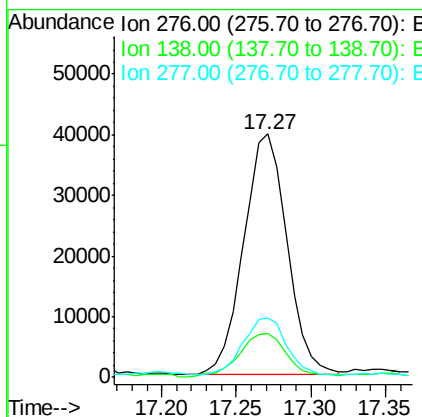
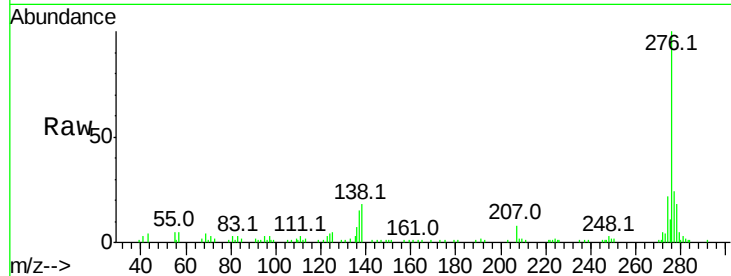
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.069 ng
RT: 17.27 min Scan# 2539
Delta R.T. 0.01 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	25.0	37.6#
277	23.4	20.1	30.1

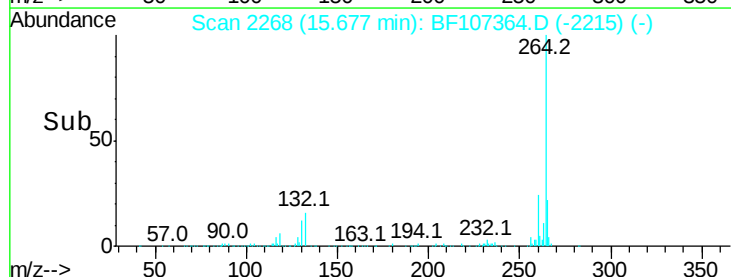
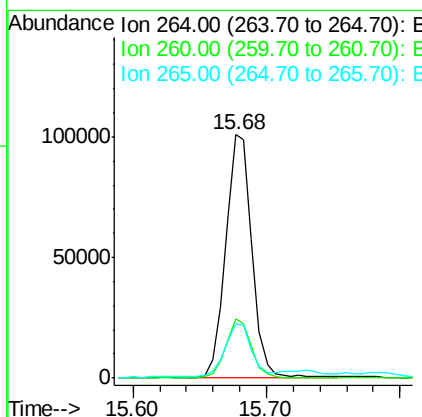
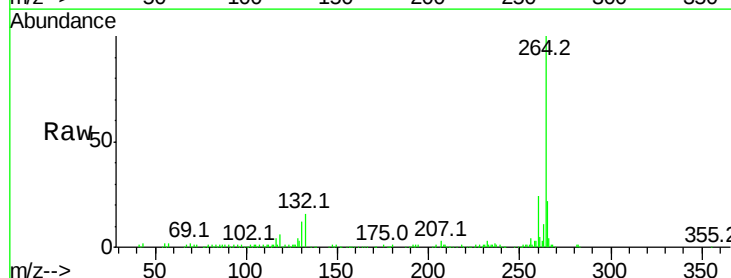
Manual Integrations
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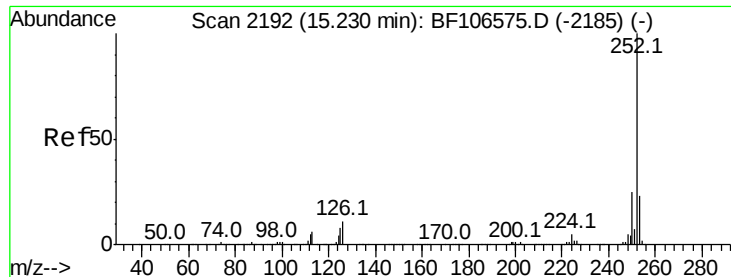
Sohil
7/16/2018 3:22:13 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 24.146 ng m

RT: 15.22 min Scan# 2191

Delta R.T. 0.01 min

Lab File: BF107364.D

Acq: 13 Jul 2018 13:56

Instrument :

BNA_F

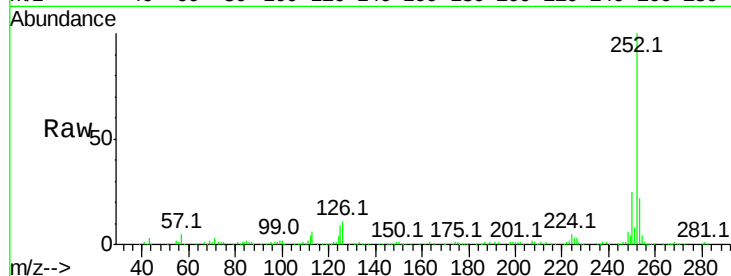
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

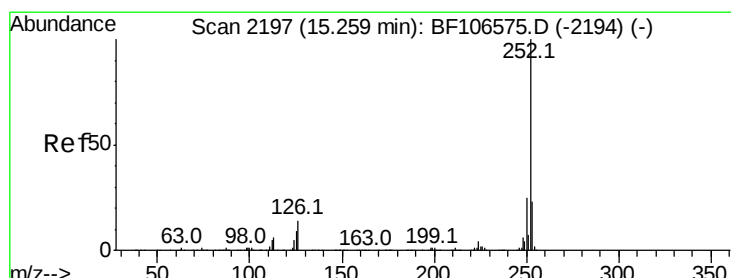
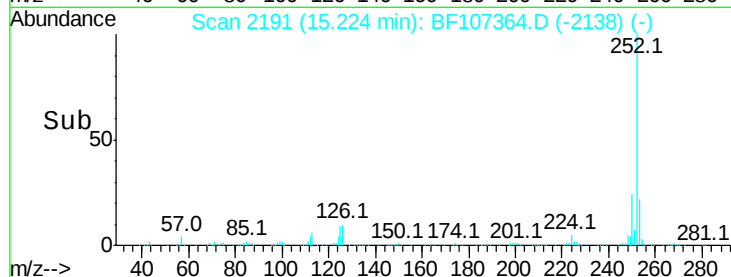
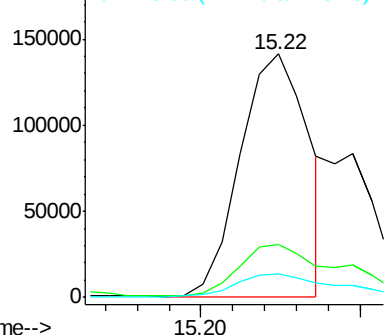
Tot Ion:	252	Resp:	209976
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.0	25.6
125	9.4	9.0	13.6

Manual Integrations
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Sohil
7/16/2018 3:22:13 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.336 ng m

RT: 15.25 min Scan# 2195

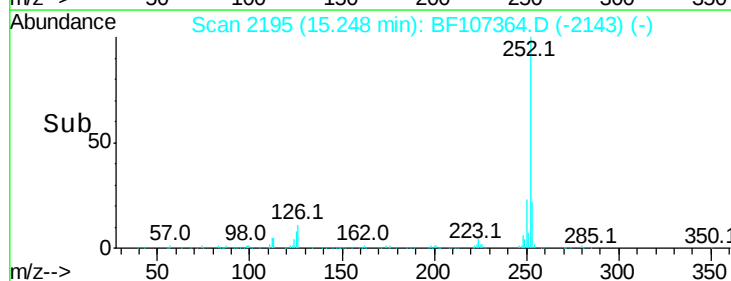
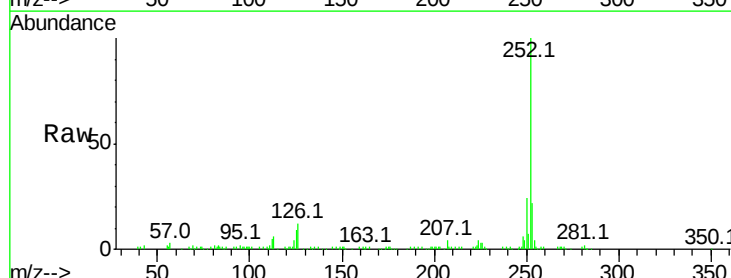
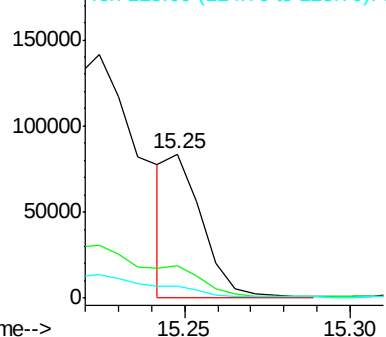
Delta R.T. 0.01 min

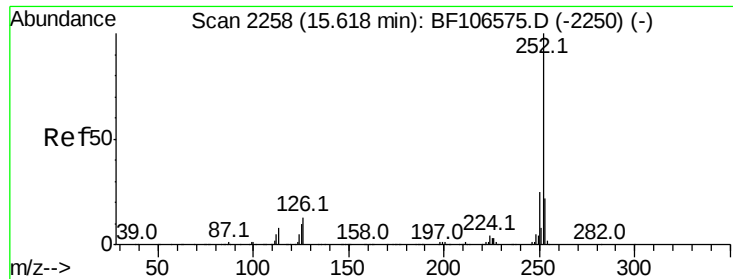
Lab File: BF107364.D

Acq: 13 Jul 2018 13:56

Tgt Ion:	252	Resp:	60749
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.9	26.9
125	8.6	10.2	15.2#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





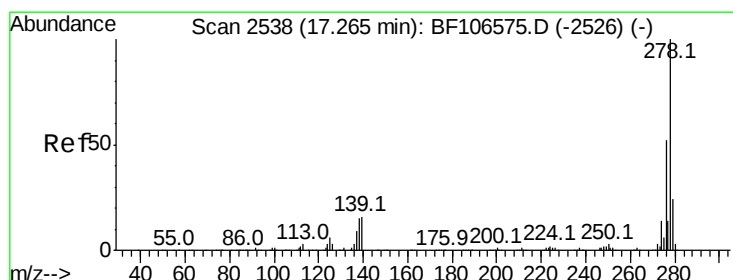
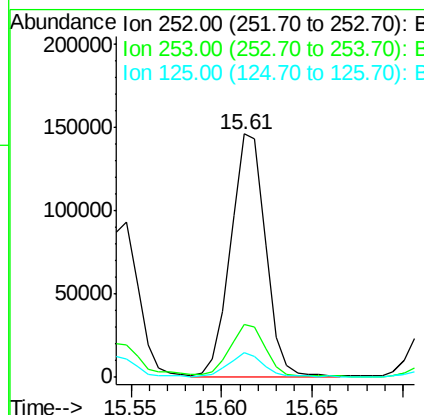
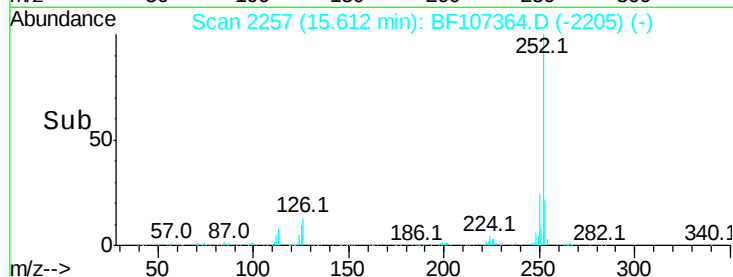
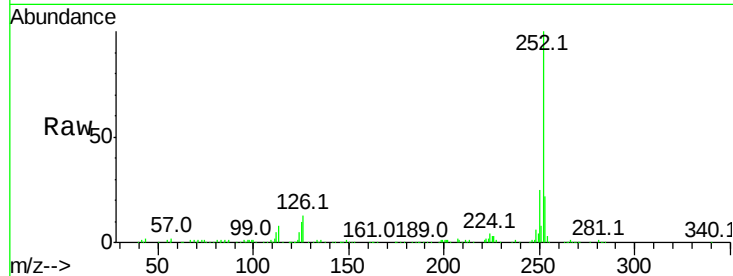
#89
Benzo(a)pyrene
Concen: 25.106 ng
RT: 15.61 min Scan# 2257
Delta R.T. 0.01 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.3	9.8	14.6

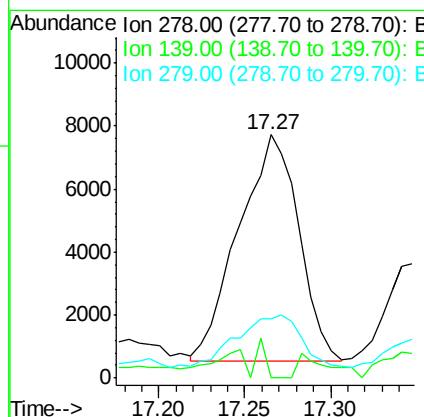
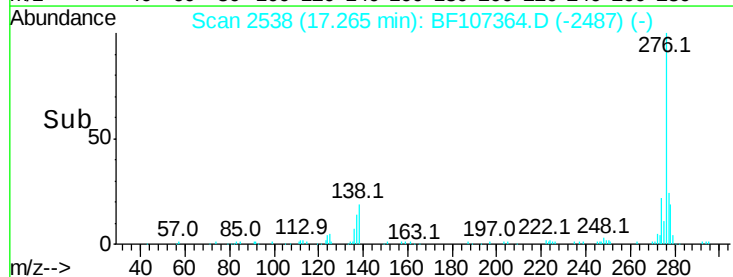
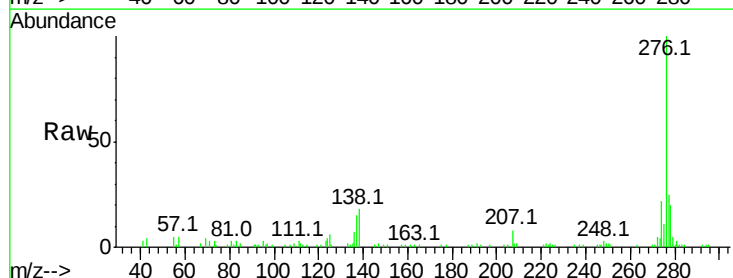
Manual Integrations
APPROVED

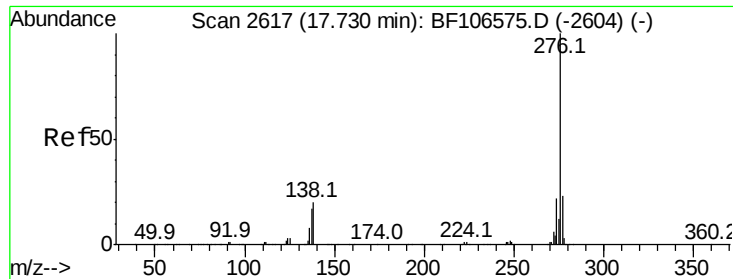
Sohil
7/16/2018 3:22:13 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.638 ng m
RT: 17.27 min Scan# 2538
Delta R.T. -0.00 min
Lab File: BF107364.D
Acq: 13 Jul 2018 13:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	24.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 12.728 ng
 RT: 17.76 min Scan# 2622
 Delta R.T. 0.01 min
 Lab File: BF107364.D
 Acq: 13 Jul 2018 13:56

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	22.2	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/16/2018 3:22:13 PM

