

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
 Data File : BF107365.D
 Acq On : 13 Jul 2018 14:23
 Operator : JU/SJ
 Sample : J3948-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 7/16/2018 3:22:15 PM

Quant Time: Jul 13 16:21:28 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	6.92	152	44931	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	152850	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	67434	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	135201	20.00	ng	0.00
75) Chrysene-d12	14.18	240	83196	20.00	ng	0.04
86) Perylene-d12	15.71	264	109896	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	53981	20.34	ng	0.00
7) Phenol-d6	6.58	99	61758	18.64	ng	0.00
23) Nitrobenzene-d5	7.50	82	35736	12.99	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	14351	18.36	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	66239	2.27	ng	0.00
78) Terphenyl-d14	13.07	244	95600	27.83	ng	0.00
Target Compounds						
22) Acetophenone	7.34	105	11753	3.437	ng	Qvalue # 97
31) Naphthalene	8.24	128	125766	17.599	ng	98
37) 2-Methylnaphthalene	8.93	142	35063m	7.402	ng	
45) 1,1'-Biphenyl	9.39	154	15048	2.800	ng	98
48) Acenaphthylene	9.84	152	706801	105.829	ng	98
49) Dimethylphthalate	9.68	163	10564	2.089	ng	# 75
51) Acenaphthene	10.01	154	33505	7.967	ng	98
54) Dibenzofuran	10.18	168	40532	7.038	ng	90
57) Fluorene	10.53	166	176804	38.689	ng	98
70) Phenanthrene	11.52	178	1980446	303.702	ng	99
71) Anthracene	11.57	178	792991	119.139	ng	99
72) Carbazole	11.72	167	25301	4.060	ng	95
74) Fluoranthene	12.72	202	2756023	383.448	ng	95
77) Pyrene	12.96	202	3255964	593.483	ng	98
80) Benzo(a)anthracene	14.15	228	2450461	483.272	ng	93
82) Chrysene	14.20	228	1605062m	344.074	ng	
85) Indeno(1,2,3-cd)pyrene	17.35	276	1484864	375.084	ng	# 85
87) Benzo(b)fluoranthene	15.27	252	2475720m	362.654	ng	
88) Benzo(k)fluoranthene	15.29	252	675297m	103.875	ng	
89) Benzo(a)pyrene	15.66	252	1643220m	270.767	ng	
90) Dibenzo(a,h)anthracene	17.32	278	291336m	56.645	ng	
91) Benzo(g,h,i)perylene	17.85	276	1617218	321.702	ng	# 88

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

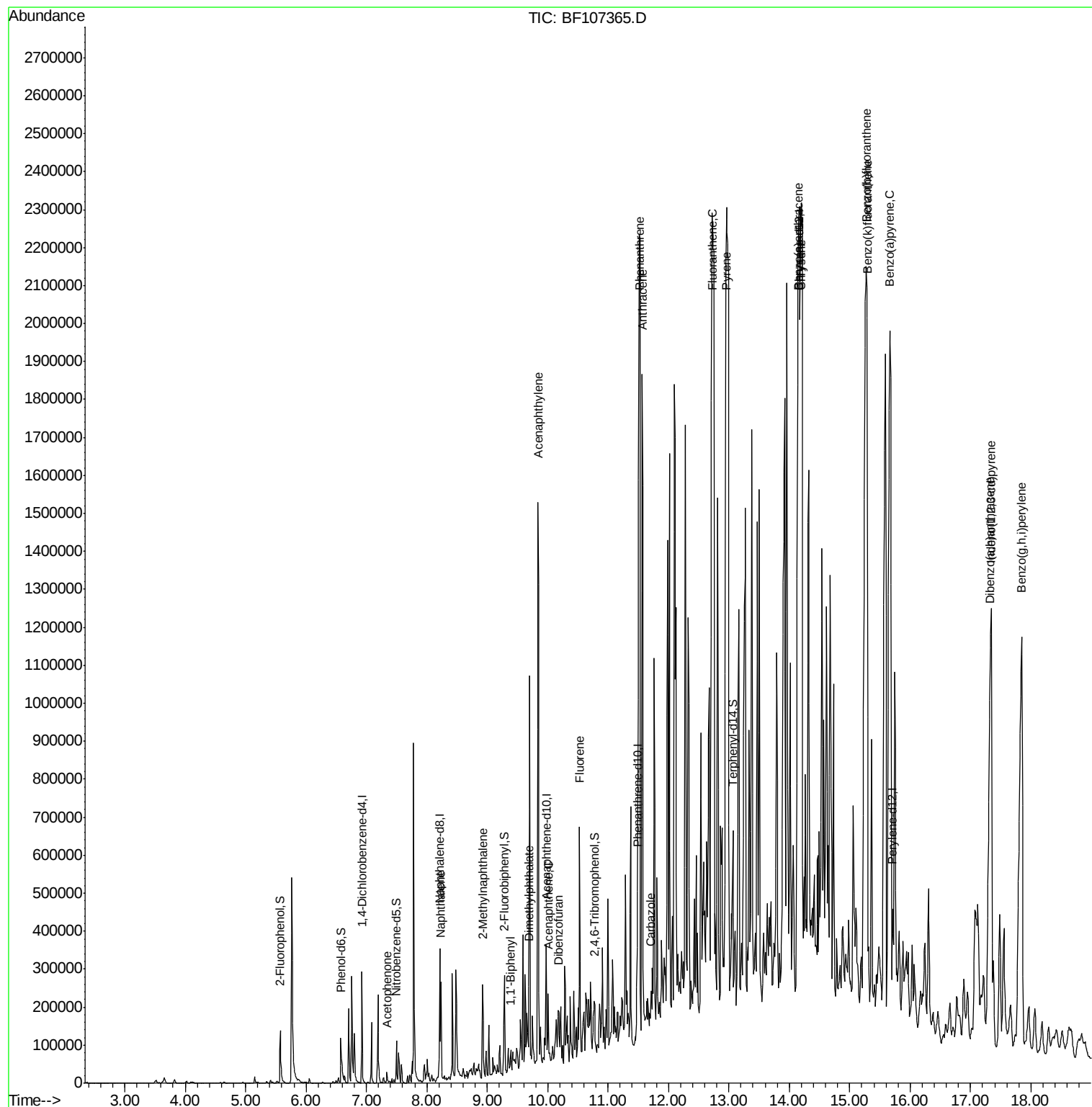
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107365.D
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Operator : JU/SJ
Sample : J3948-01 5X
Misc :
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#1

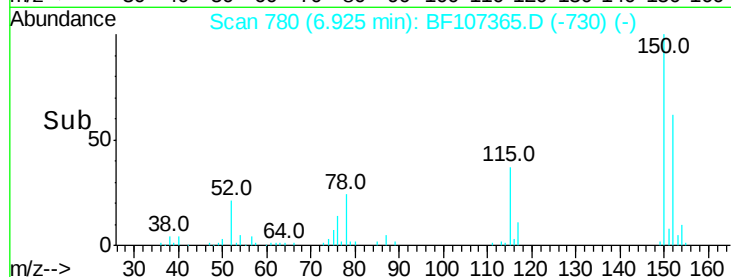
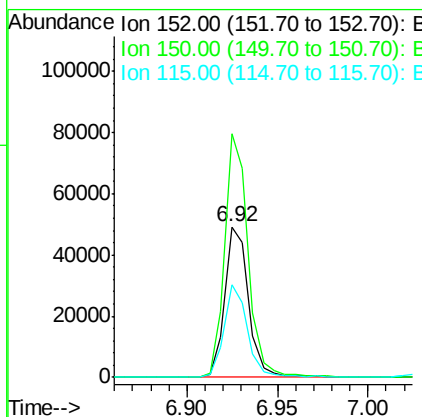
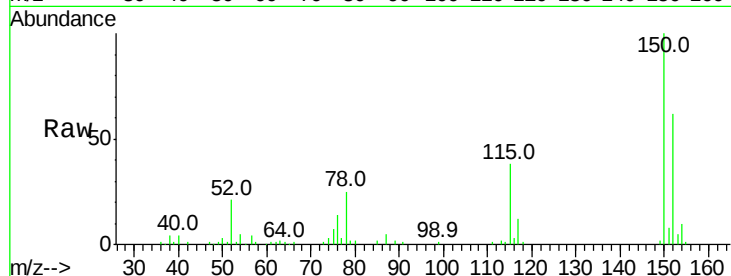
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.6	124.6	186.8
115	61.3	50.1	75.1

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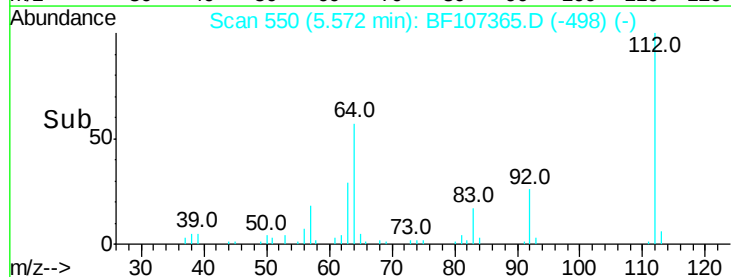
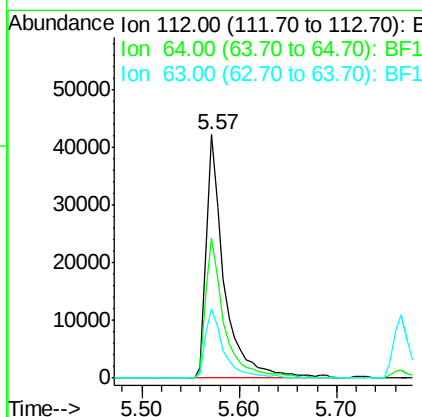
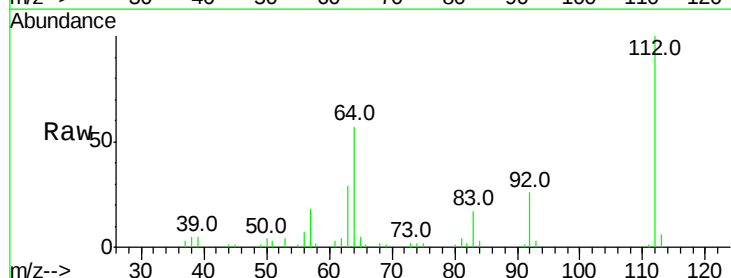
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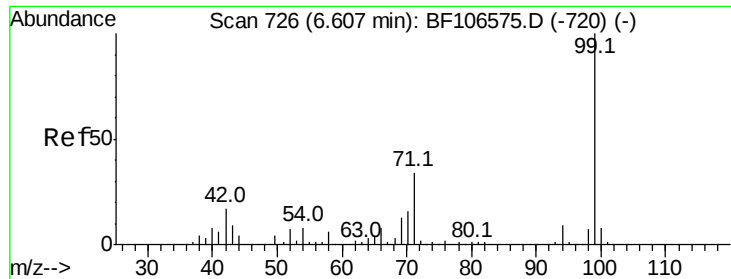


#5

2-Fluorophenol
Concen: 20.344 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 18.638 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Instrument :

BNA_F

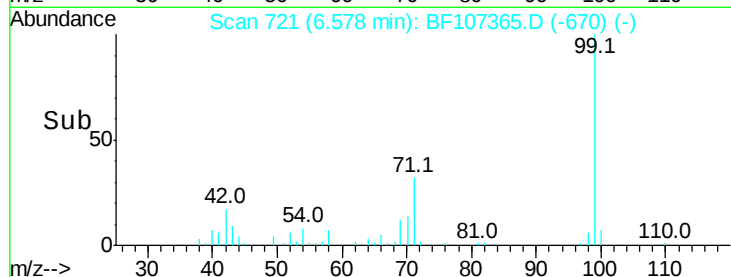
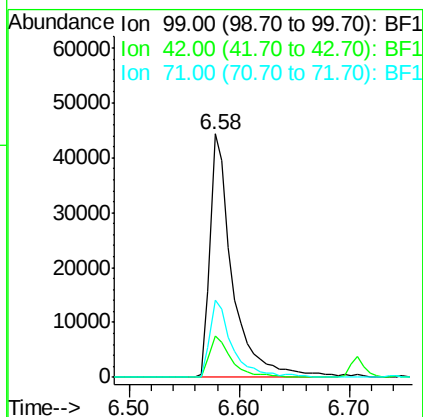
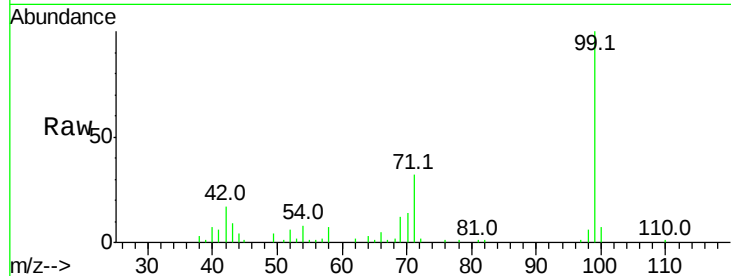
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	99	Resp:	61758
Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.5	21.7
71	31.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

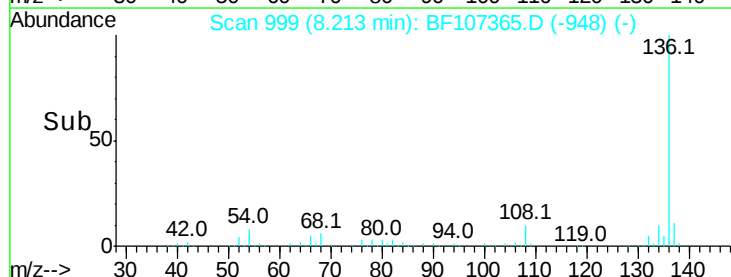
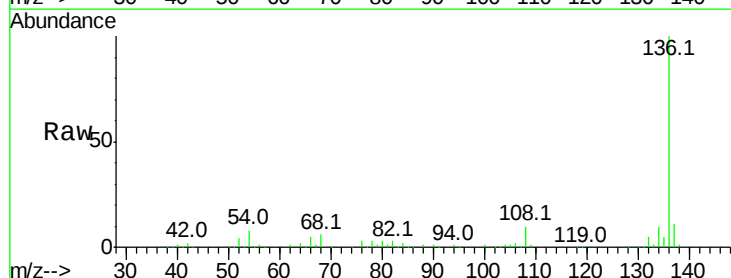
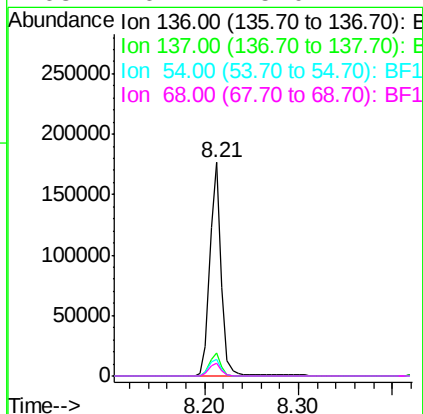
RT: 8.21 min Scan# 999

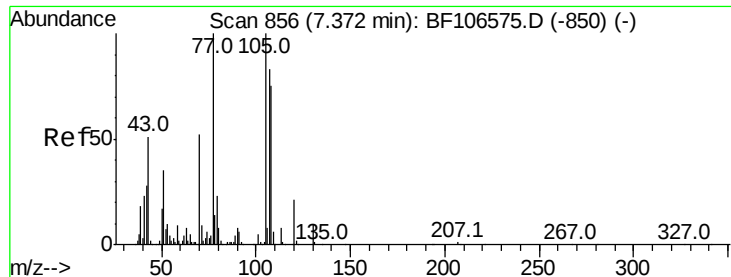
Delta R.T. -0.00 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Tgt Ion:	136	Resp:	152850
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.7	6.6	9.8
68	6.1	5.0	7.4





#22

Acetophenone

Concen: 3.437 ng

RT: 7.34 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Instrument :

BNA_F

ClientSampleId :

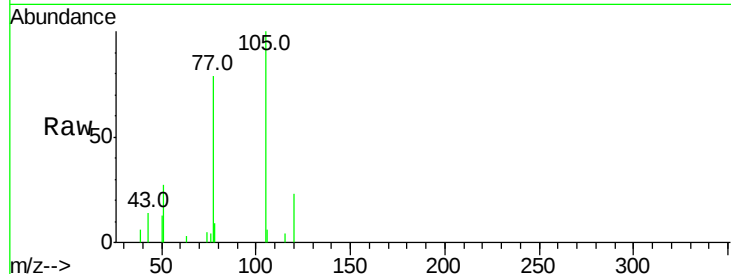
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	105	Resp:	11753
Ion Ratio	Lower	Upper	
105	100		
71	0.0	4.4	6.6#
51	27.5	22.3	33.5
120	22.7	16.9	25.3

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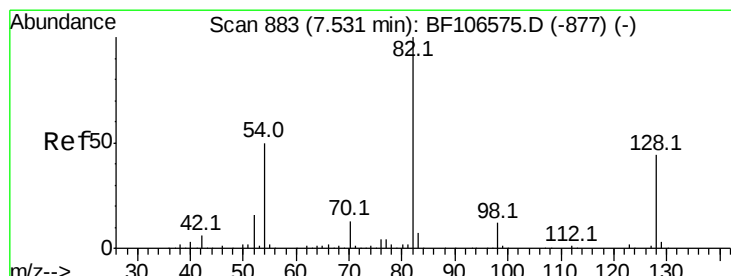
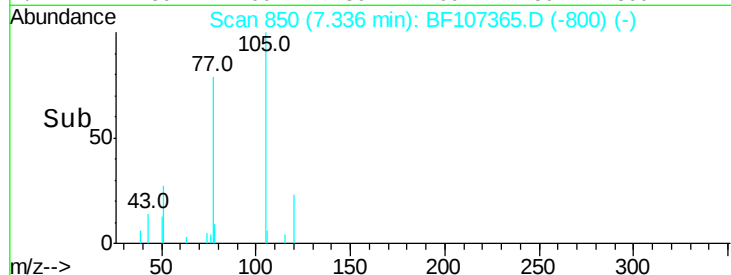
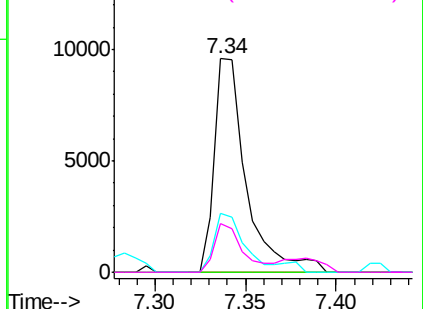


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 12.993 ng

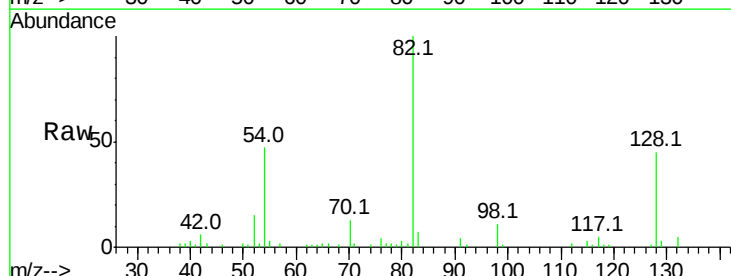
RT: 7.50 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

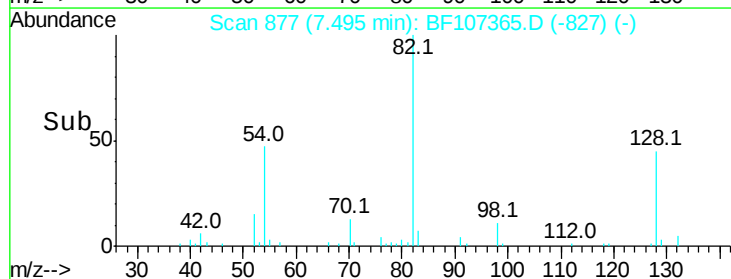
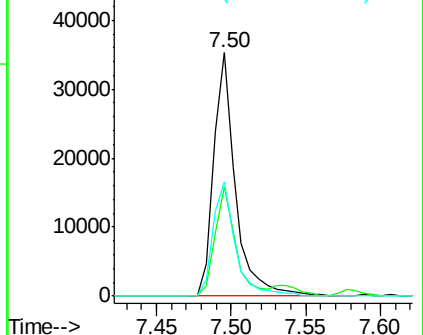
Tgt Ion:	82	Resp:	35736
Ion Ratio	Lower	Upper	
82	100		
128	44.9	36.1	54.1
54	46.8	41.4	62.2

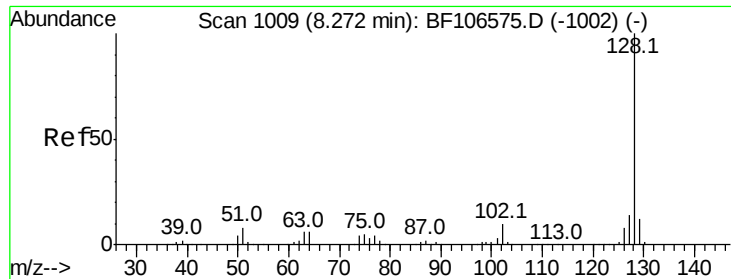


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 17.599 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Instrument :

BNA_F

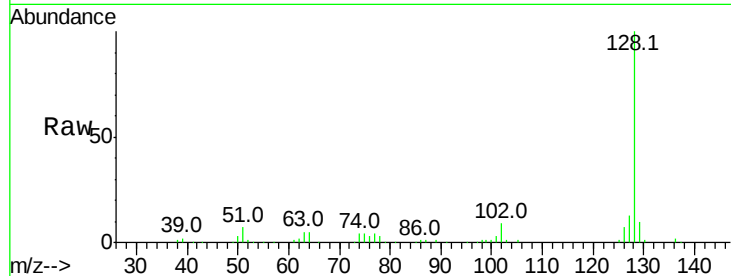
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

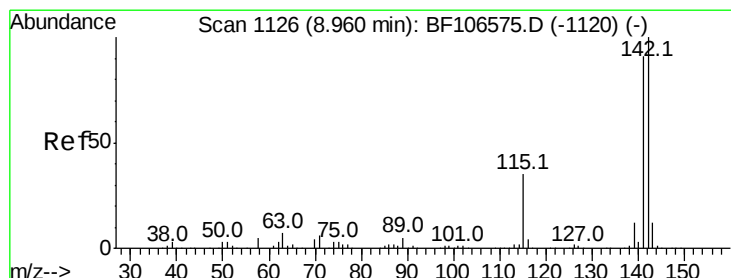
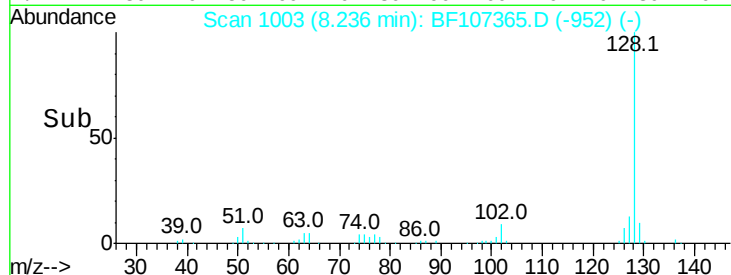
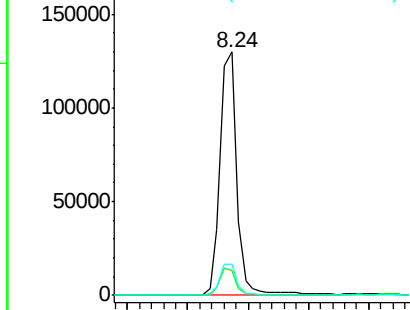
Tot Ion:	128	Resp:	125766
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.8	13.2
127	12.6	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 7.402 ng m

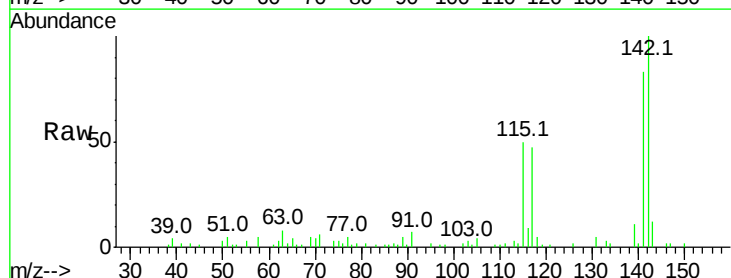
RT: 8.93 min Scan# 1121

Delta R.T. -0.00 min

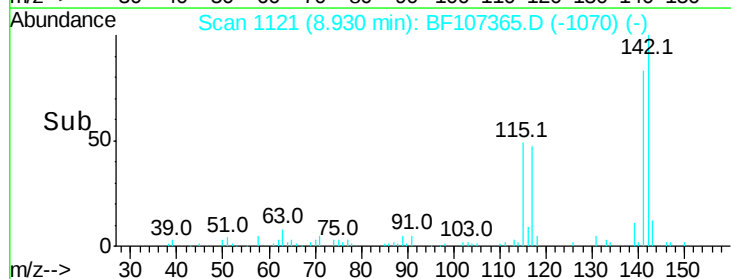
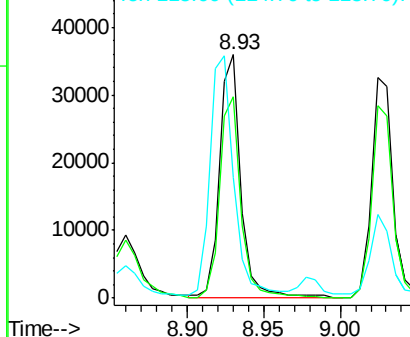
Lab File: BF107365.D

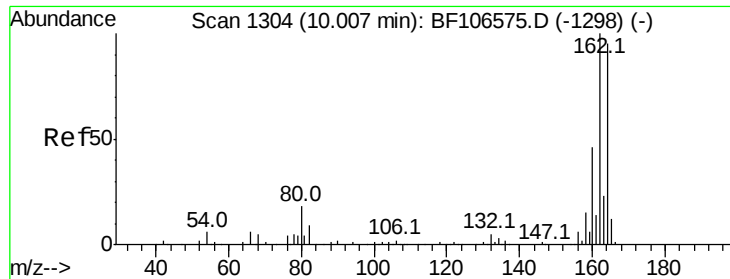
Acq: 13 Jul 2018 14:23

Tgt Ion:	142	Resp:	35063
Ion Ratio	Lower	Upper	
142	100		
141	82.7	70.8	106.2
115	49.8	26.1	39.1#



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





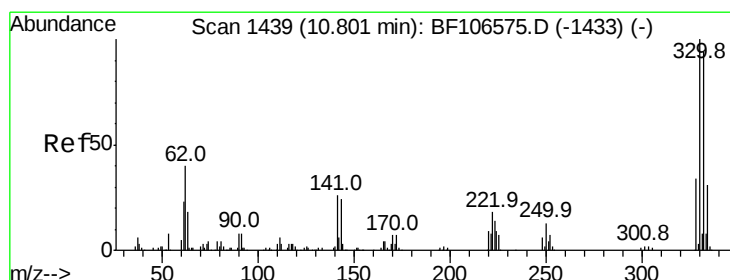
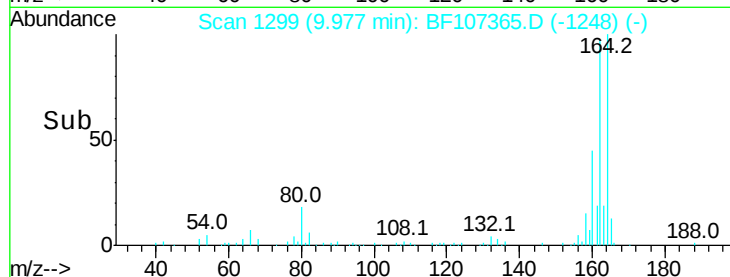
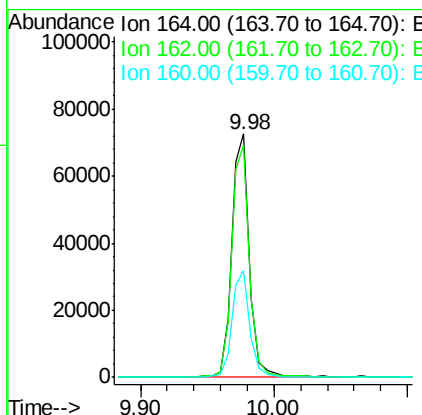
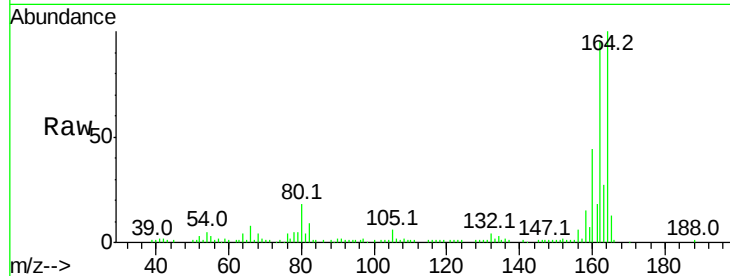
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: BF107365.D
 Acq: 13 Jul 2018 14:23

Instrument :
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Tot Ion	Ratio	Lower	Upper
164	100		
162	95.5	86.1	129.1
160	43.8	38.3	57.5

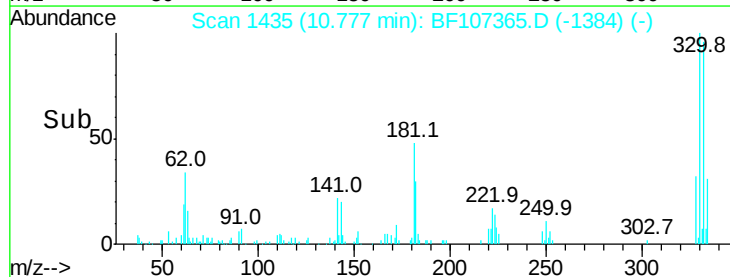
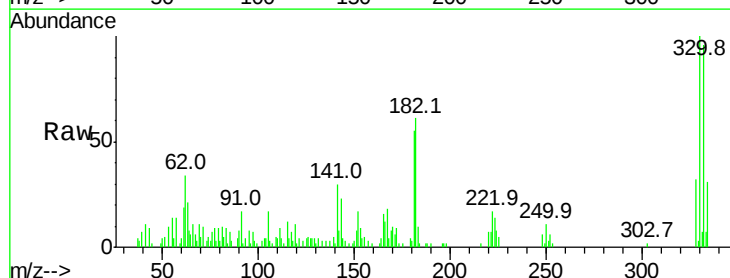
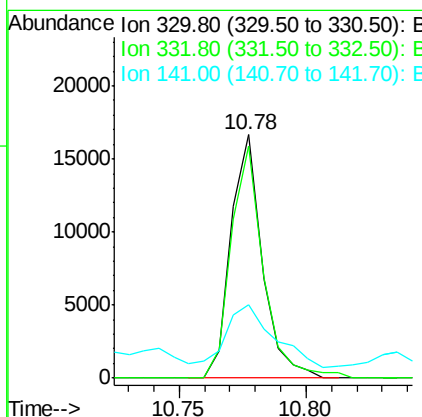
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#41
 2,4,6-Tribromophenol
 Concen: 18.362 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BF107365.D
 Acq: 13 Jul 2018 14:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	42.2	29.9	44.9





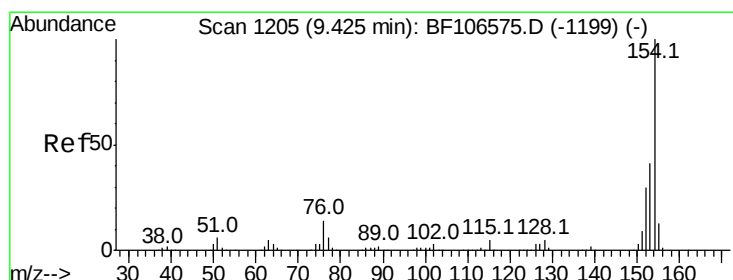
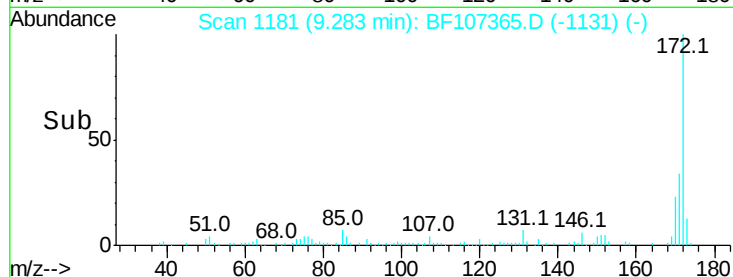
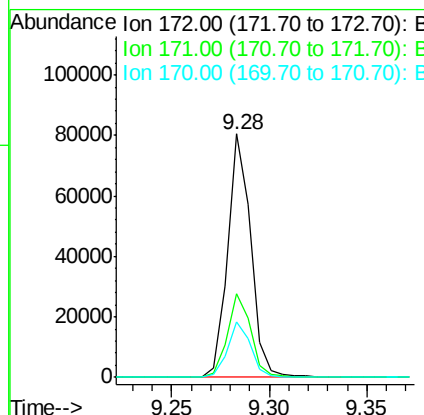
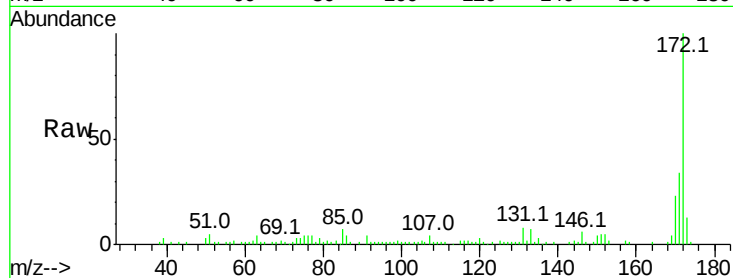
#44
2-Fluorobiphenyl
Concen: 2.269 ng
RT: 9.28 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

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

Tot Ion	Ratio	Resp	Lower	Upper
172	100	66239		
171	34.1		29.7	44.5
170	22.9		19.6	29.4

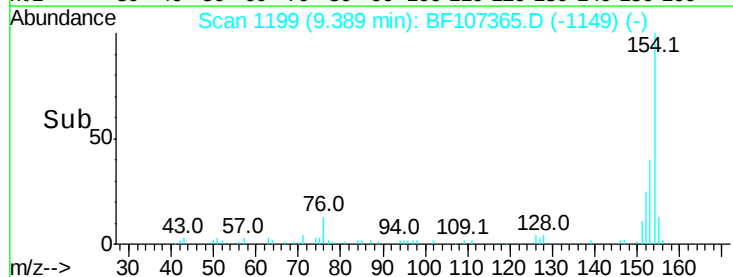
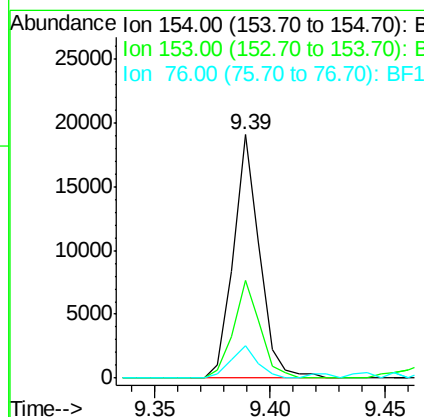
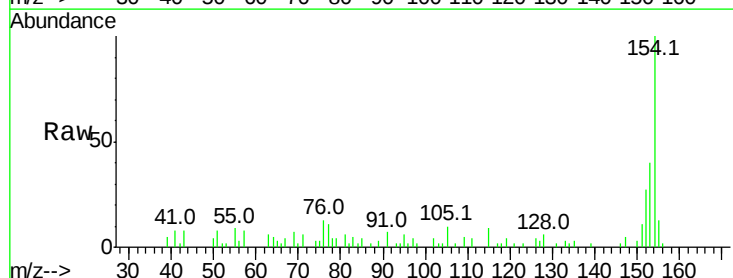
Manual Integrations
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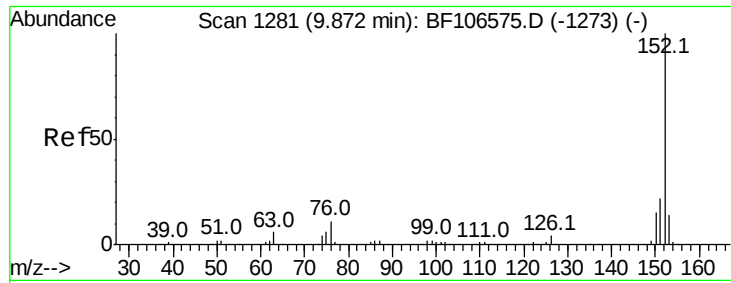
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#45
1,1'-Biphenyl
Concen: 2.800 ng
RT: 9.39 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	15048		
153	39.9		21.3	61.3
76	13.5		0.0	34.0





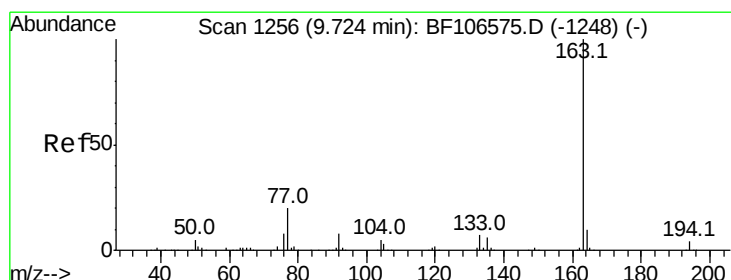
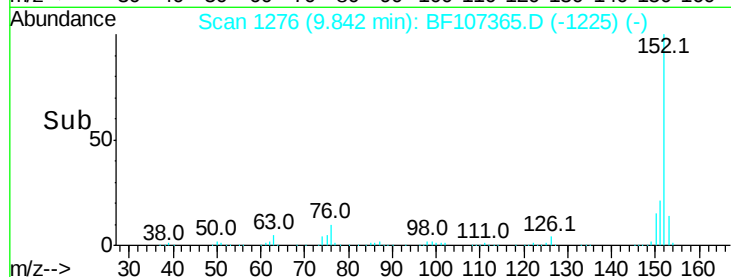
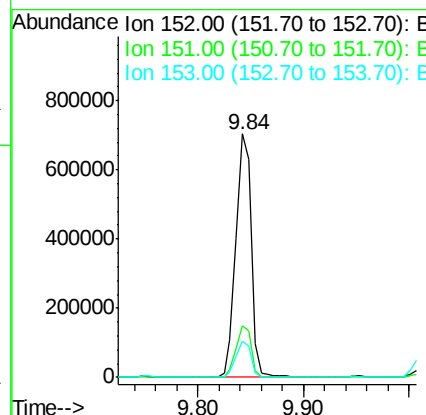
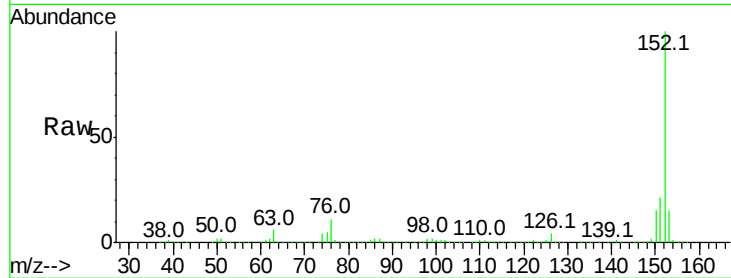
#48
Acenaphthylene
Concen: 105.829 ng
RT: 9.84 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

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

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
151	21.2	16.3	24.5	
153	14.6	10.7	16.1	

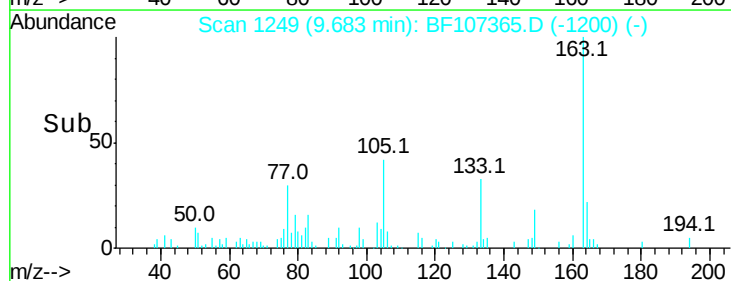
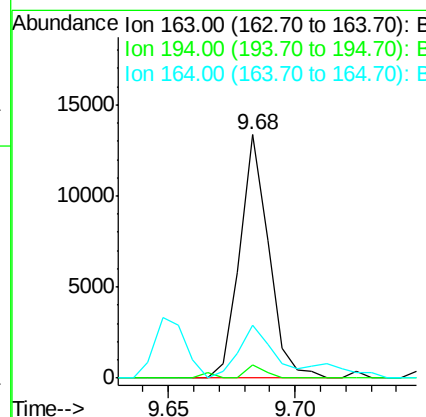
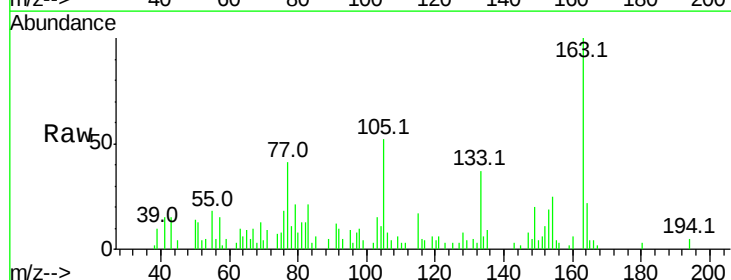
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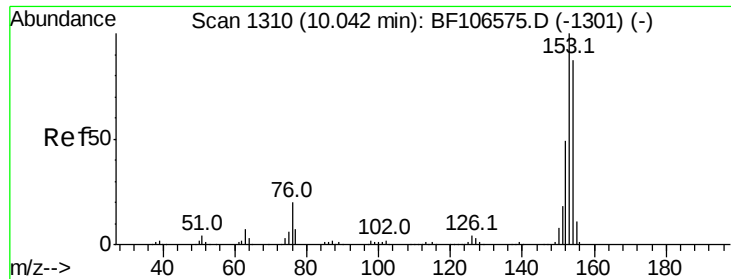
Sohil
7/16/2018 3:22:15 PM



#49
Dimethylphthalate
Concen: 2.089 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	5.3	2.7	4.1#	
164	21.8	8.2	12.2#	





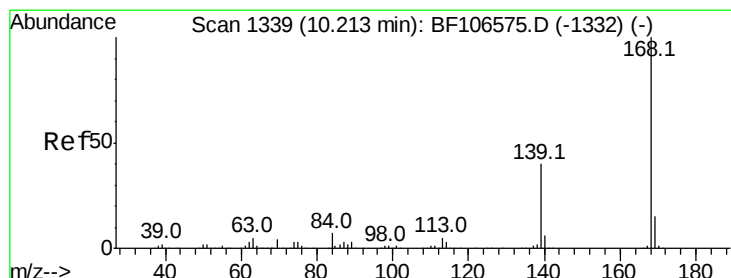
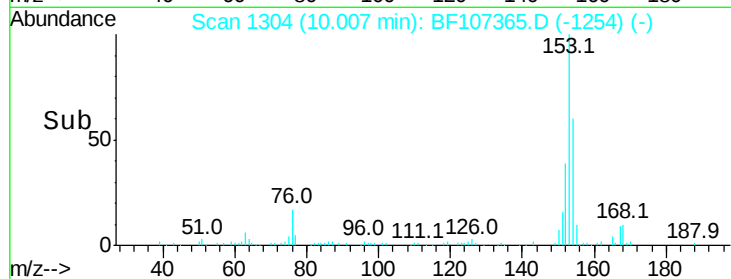
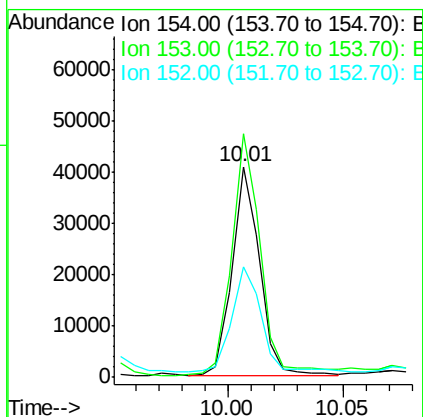
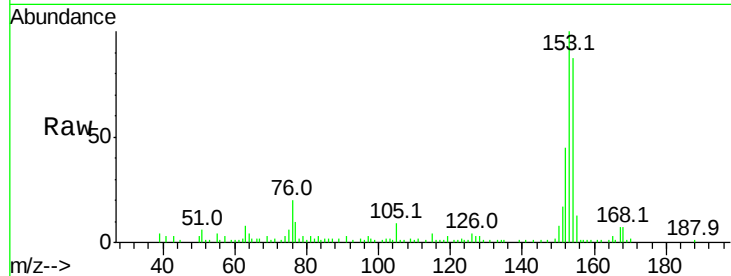
#51
Acenaphthene
Concen: 7.967 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.5	91.2	136.8
152	52.4	43.8	65.8

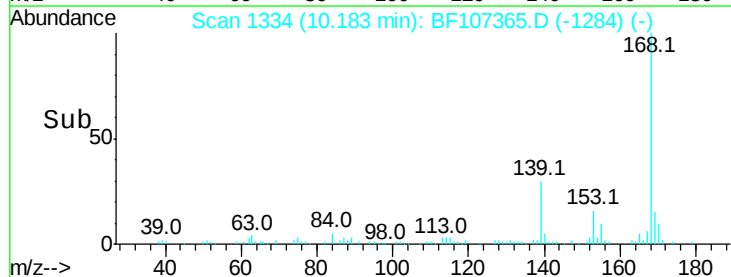
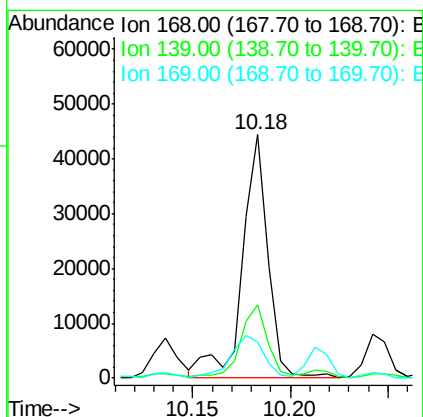
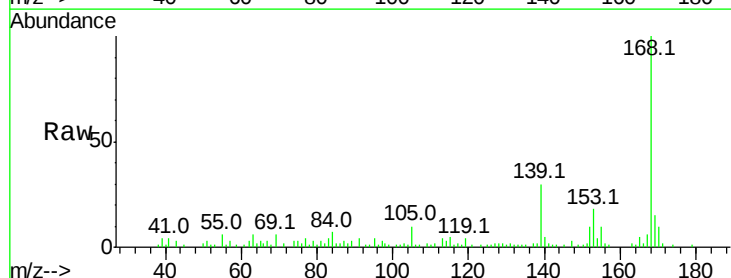
Manual Integrations
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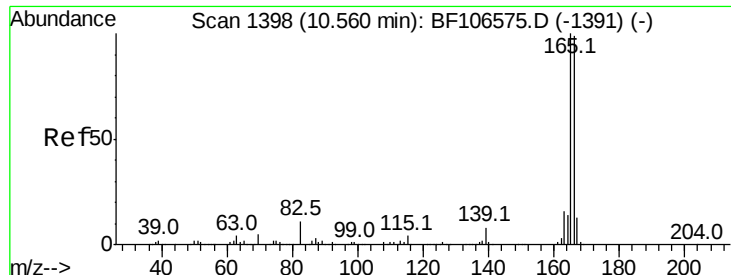
Sohil
7/16/2018 3:22:15 PM



#54
Dibenzofuran
Concen: 7.038 ng
RT: 10.18 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

Tgt Ion	Ratio	Lower	Upper
168	100		
139	30.4	30.1	45.1
169	14.9	10.9	16.3





#57

Fluorene

Concen: 38.689 ng

RT: 10.53 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Instrument :

BNA_F

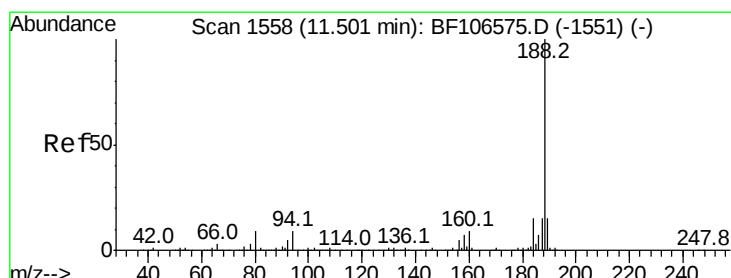
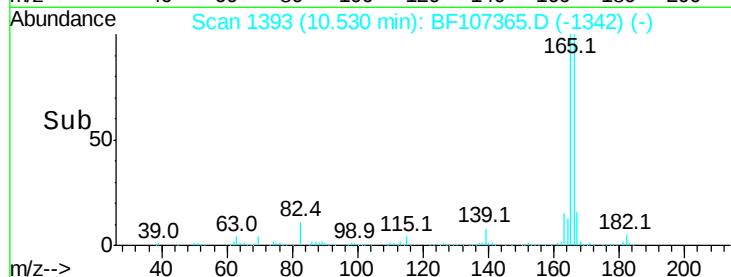
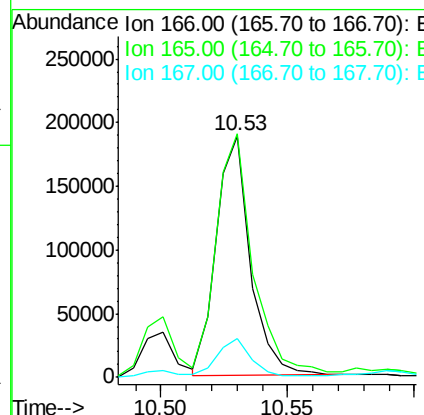
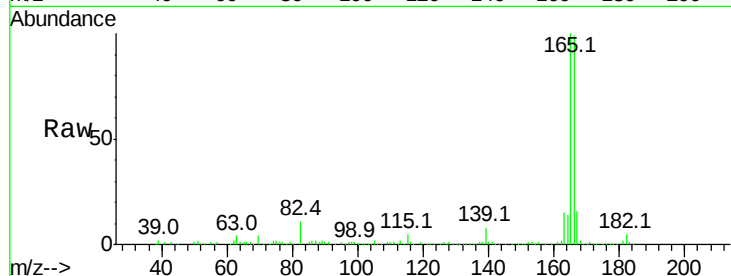
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	166	Resp:	176804
Ion Ratio	Lower	Upper	
166	100		
165	100.8	79.8	119.8
167	15.9	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

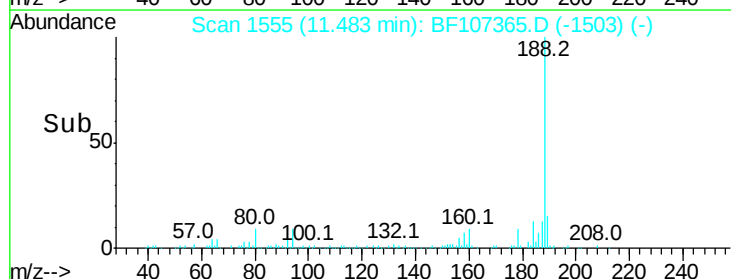
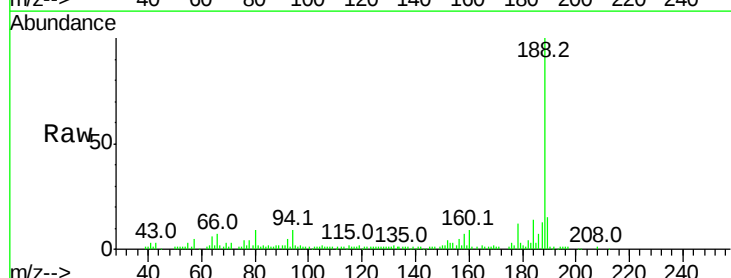
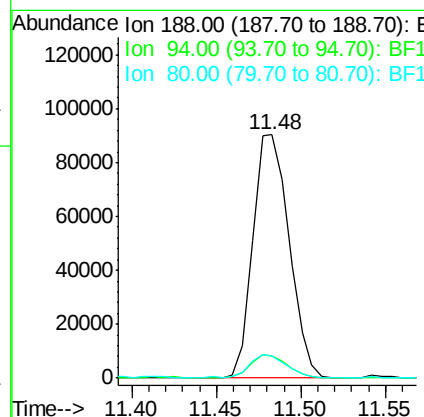
RT: 11.48 min Scan# 1555

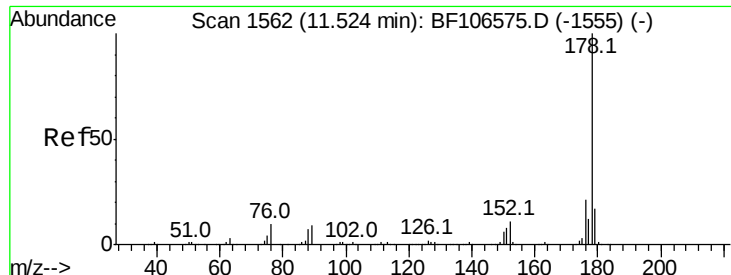
Delta R.T. 0.01 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Tgt Ion:	188	Resp:	135201
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	9.4	9.2	13.8





#70

Phenanthrene

Concen: 303.702 ng

RT: 11.52 min Scan# 1561

Delta R.T. 0.02 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:178 Resp: 1980446

Ion Ratio Lower Upper

178 100

176 20.8 15.8 23.8

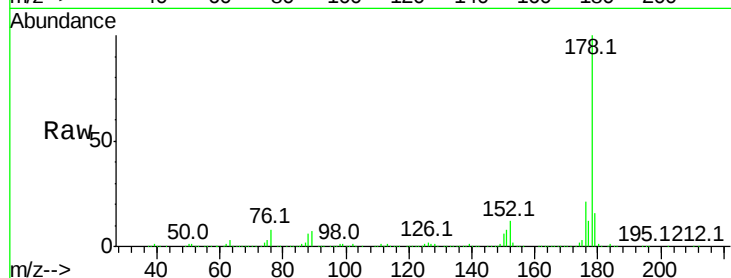
179 16.2 13.0 19.6

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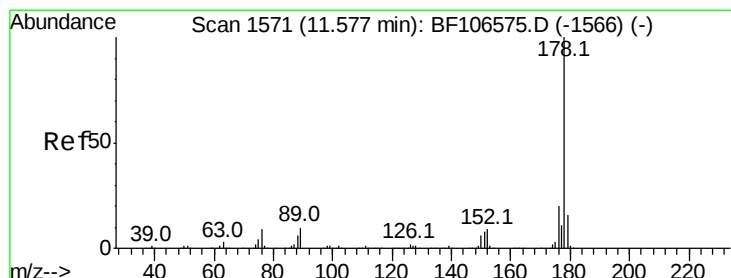
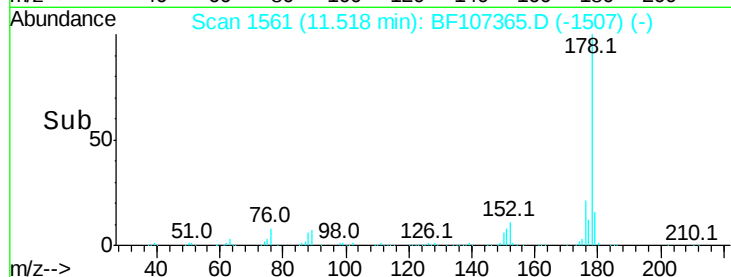
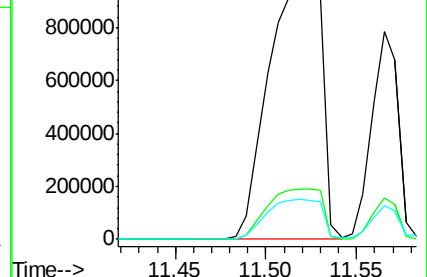
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 119.139 ng

RT: 11.57 min Scan# 1569

Delta R.T. 0.01 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Tgt Ion:178 Resp: 792991

Ion Ratio Lower Upper

178 100

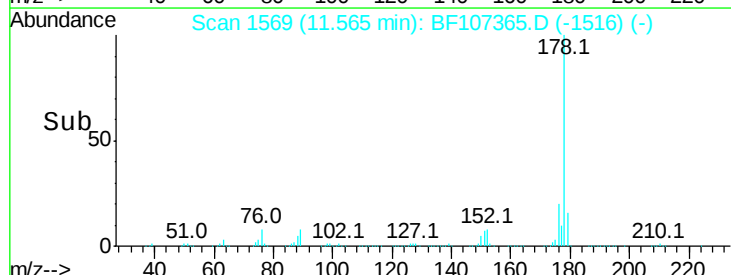
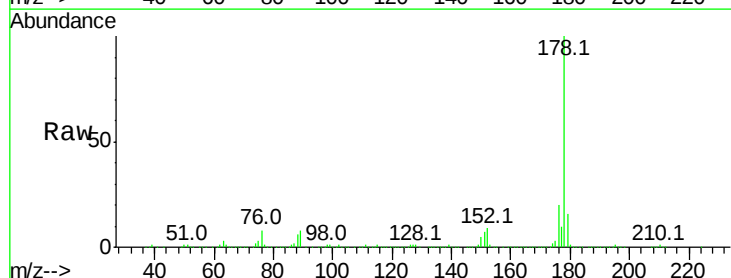
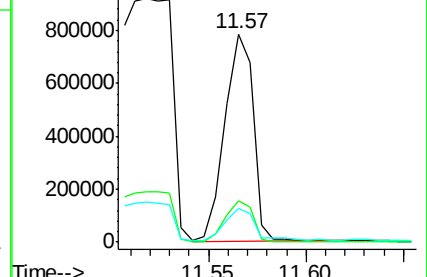
176 19.8 15.4 23.2

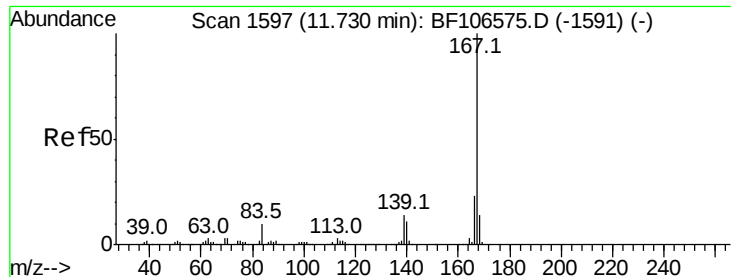
179 16.4 12.6 19.0

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: 4.060 ng

RT: 11.72 min Scan# 1595

Delta R.T. 0.01 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Instrument :

BNA_F

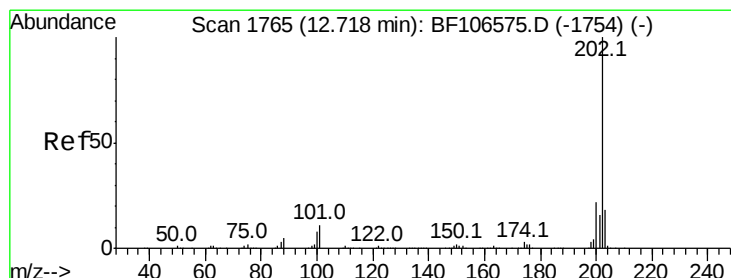
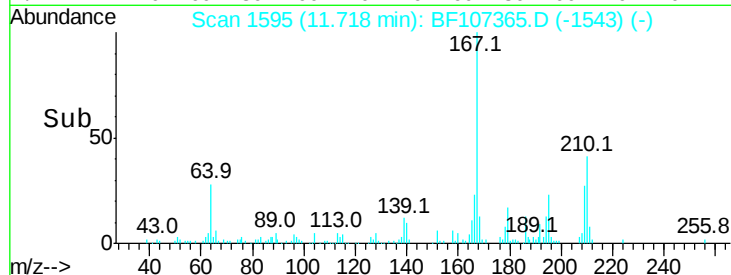
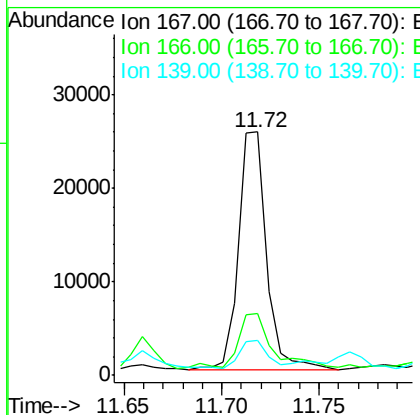
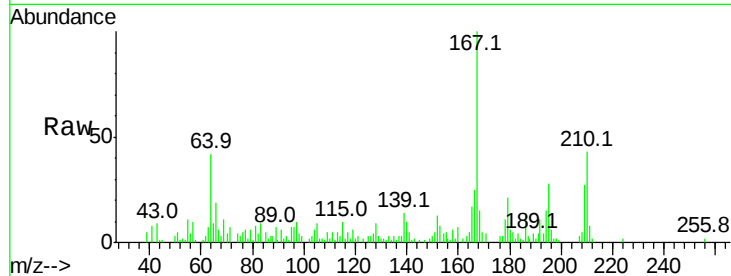
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	167	Resp:	25301
Ion Ratio	Lower	Upper	
167	100		
166	25.2	17.6	26.4
139	14.4	10.9	16.3

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#74

Fluoranthene

Concen: 383.448 ng

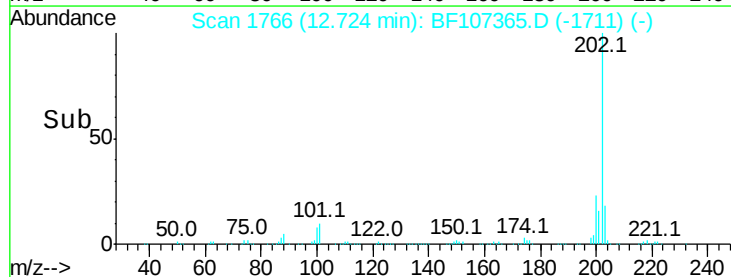
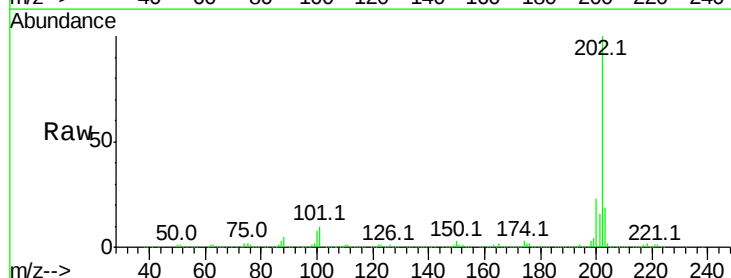
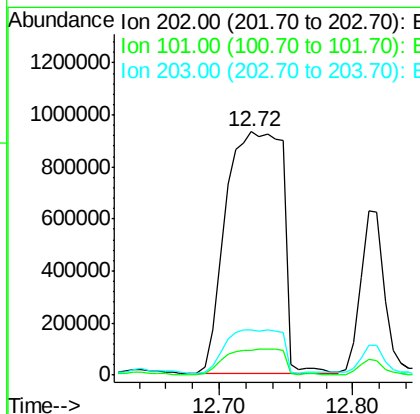
RT: 12.72 min Scan# 1766

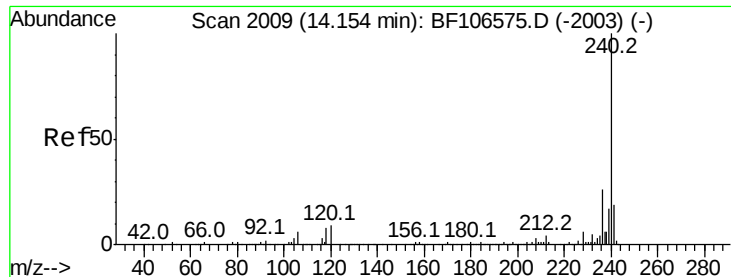
Delta R.T. 0.02 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Tgt Ion:	202	Resp:	2756023
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	34.1
203	18.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.04 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Instrument :

BNA_F

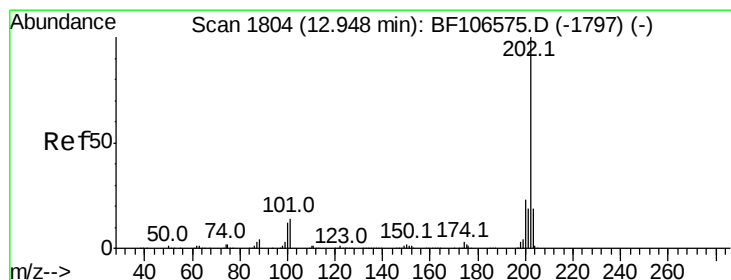
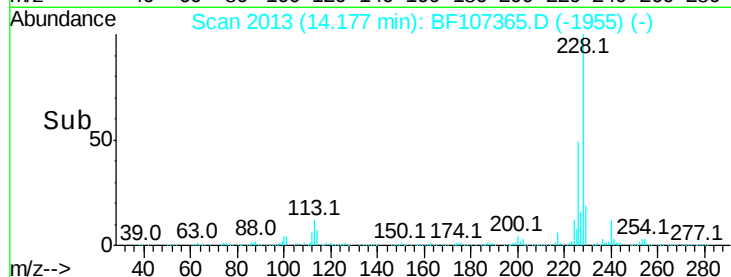
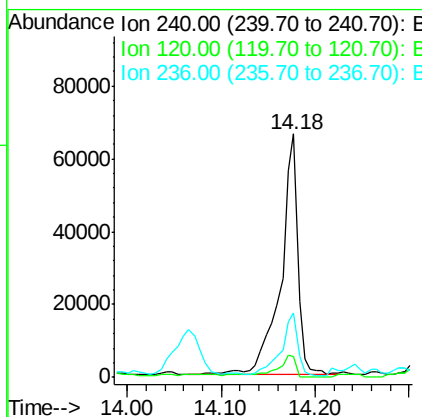
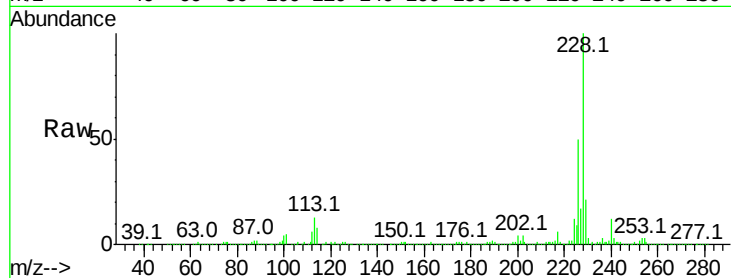
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	26.5	20.7	31.1

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#77

Pyrene

Concen: 593.483 ng

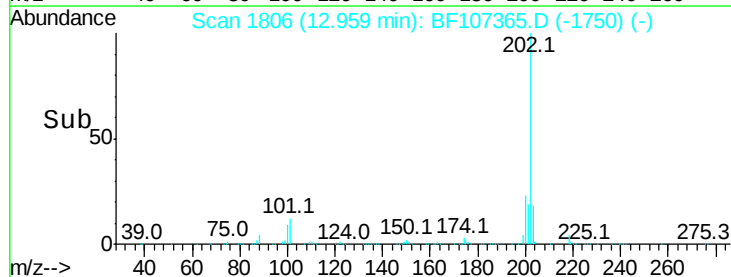
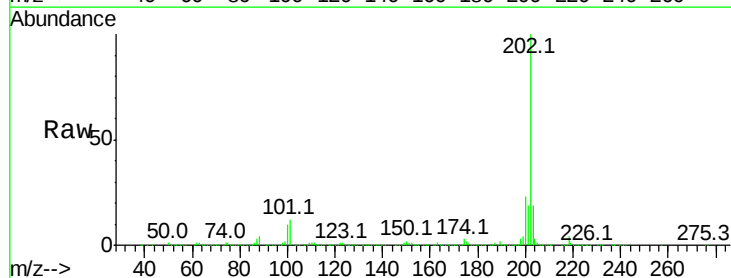
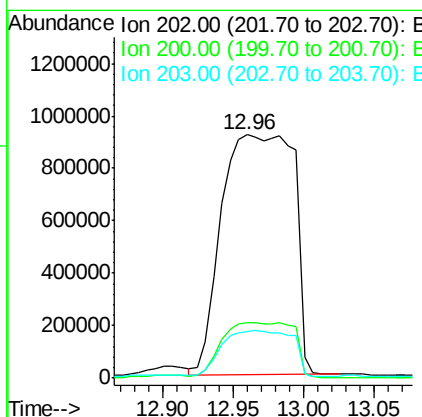
RT: 12.96 min Scan# 1806

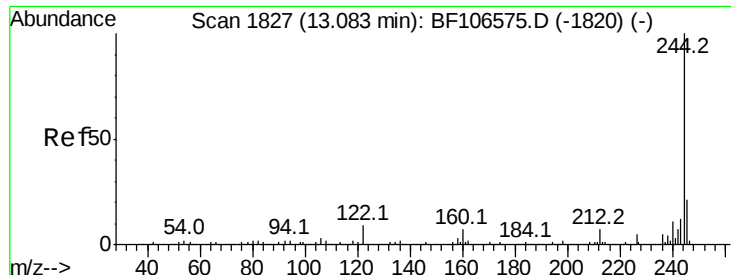
Delta R.T. 0.03 min

Lab File: BF107365.D

Acq: 13 Jul 2018 14:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.4	26.2
203	19.1	14.3	21.5





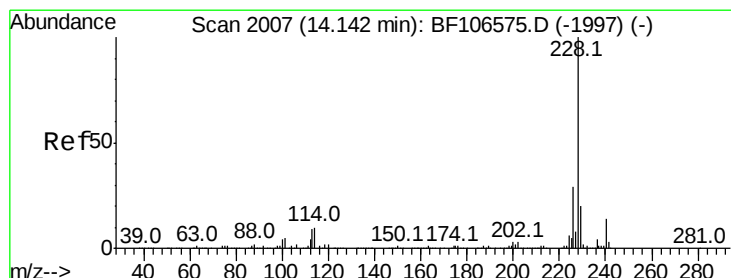
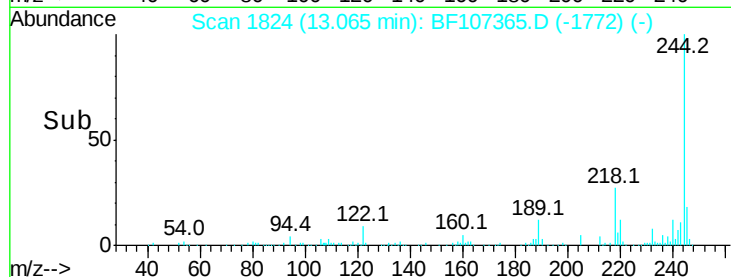
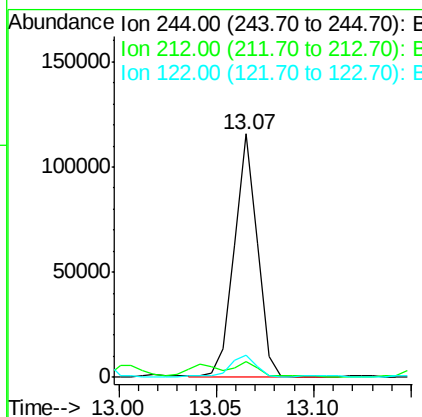
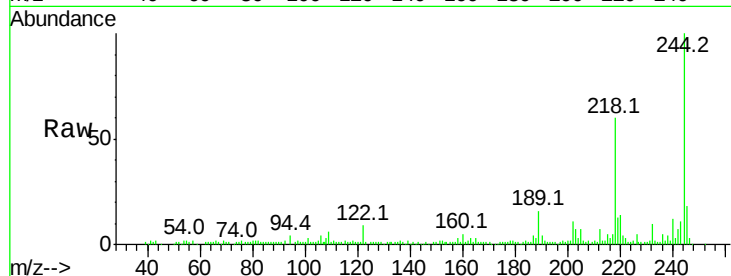
#78
 Terphenyl-d14
 Concen: 27.834 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. 0.01 min
 Lab File: BF107365.D
 Acq: 13 Jul 2018 14:23

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.3	11.0	16.4

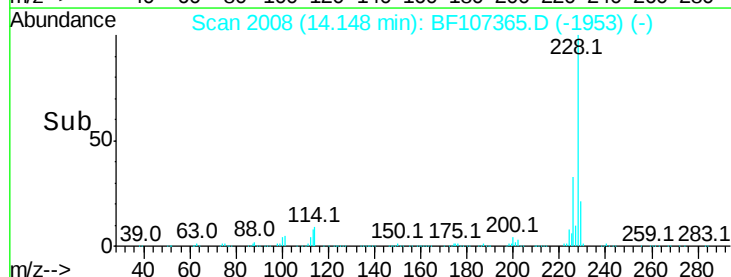
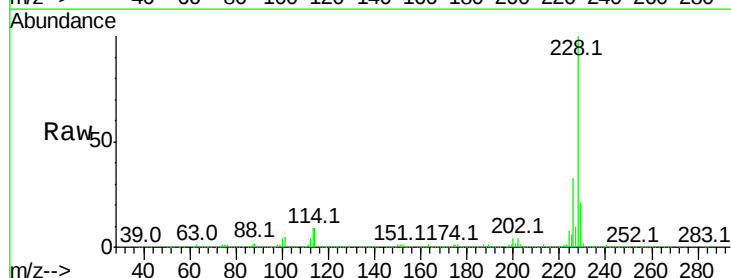
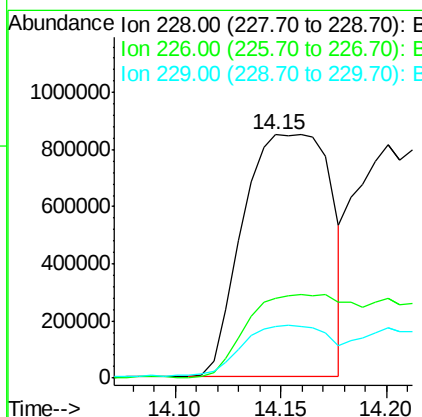
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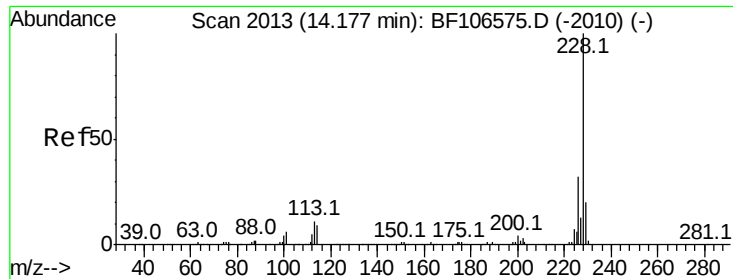
Sohil
 7/16/2018 3:22:15 PM



#80
 Benzo(a)anthracene
 Concen: 483.272 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. 0.02 min
 Lab File: BF107365.D
 Acq: 13 Jul 2018 14:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.6	33.8
229	21.4	15.8	23.6





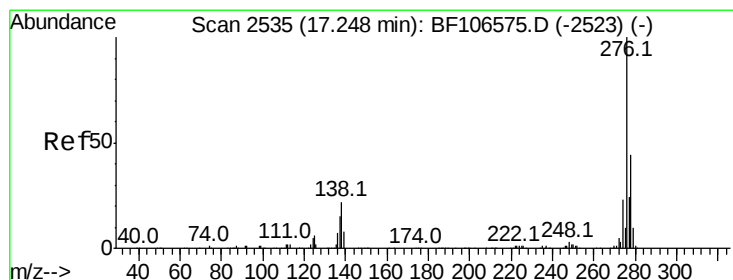
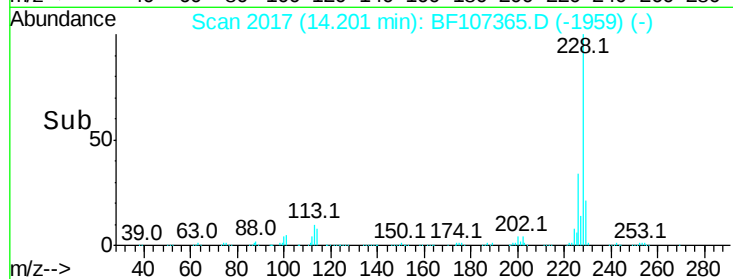
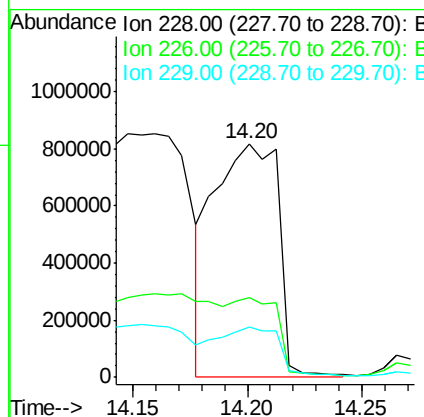
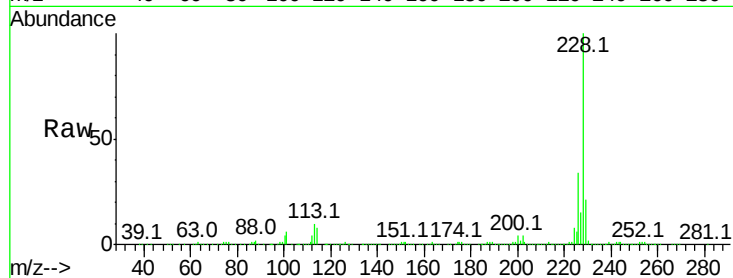
#82
Chrysene
Concen: 344.074 ng/ml
RT: 14.20 min Scan# 2017
Delta R.T. 0.04 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.9	25.0	37.6
229	21.4	16.2	24.4

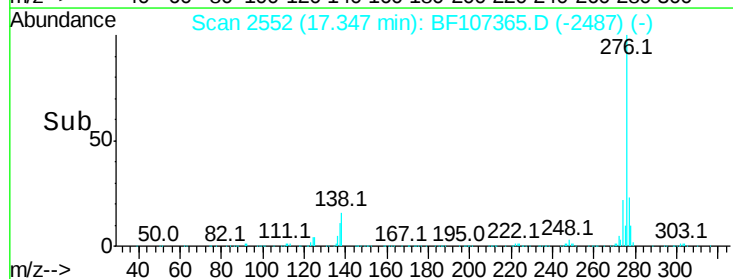
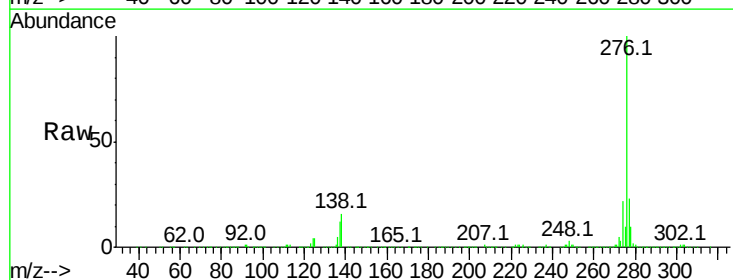
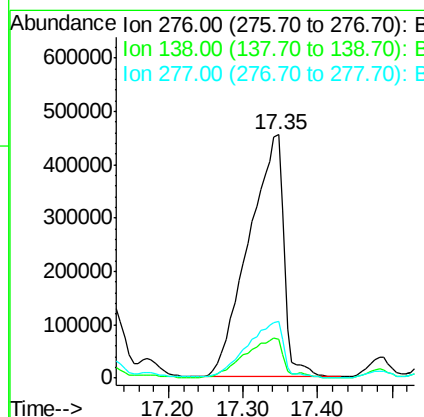
Manual Integrations
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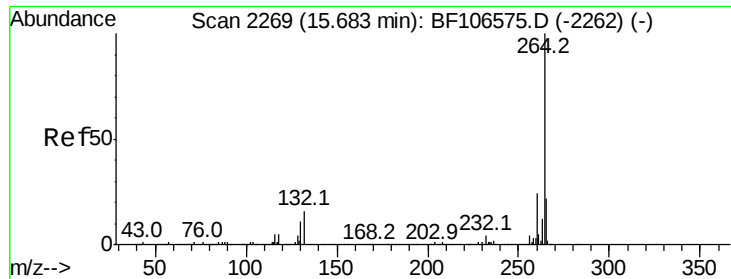
Sohil
7/16/2018 3:22:15 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 375.084 ng
RT: 17.35 min Scan# 2552
Delta R.T. 0.08 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	25.0	37.6#
277	24.2	20.1	30.1





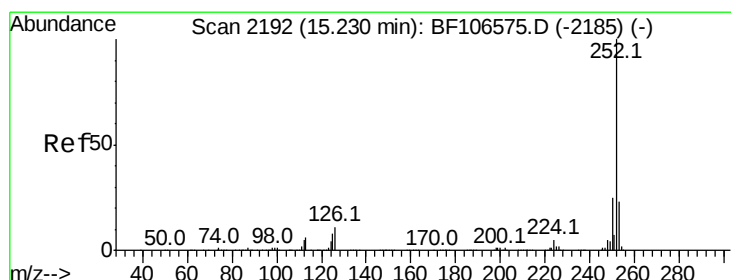
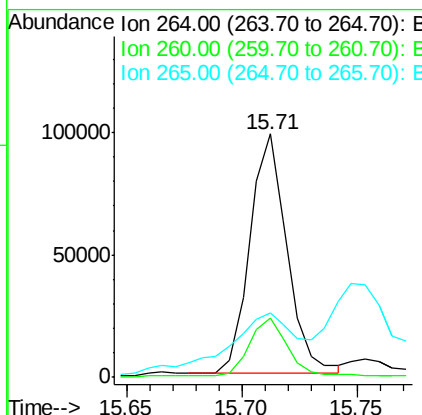
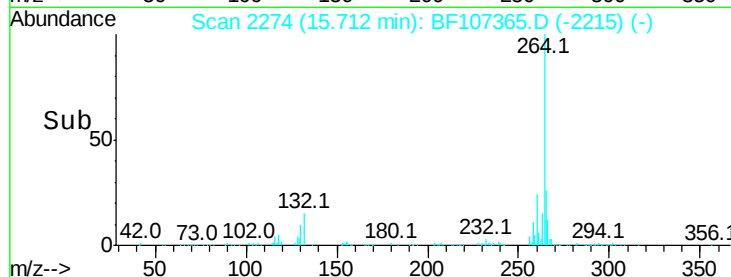
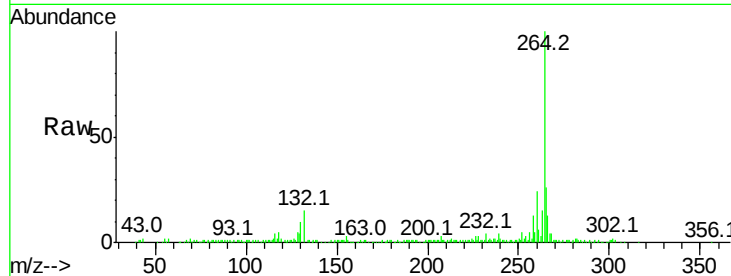
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.05 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	26.4	17.5	26.3#

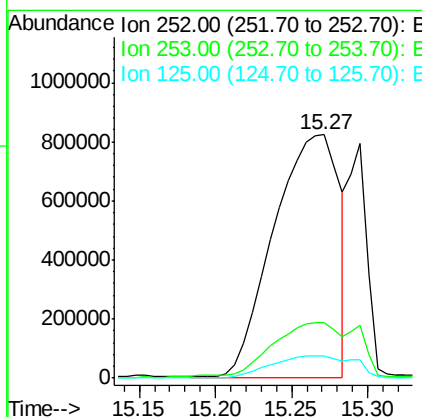
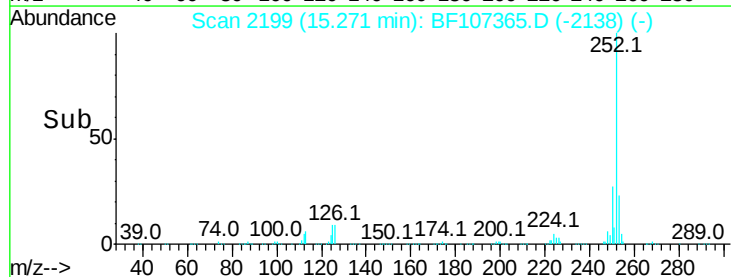
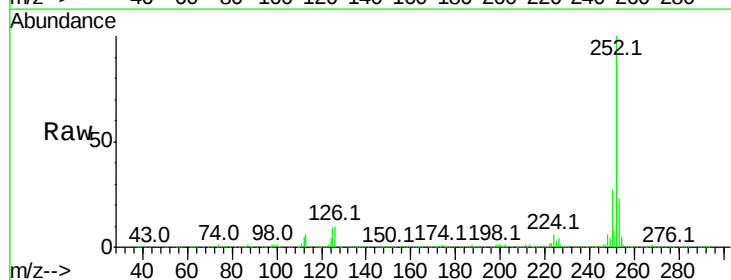
Manual Integrations
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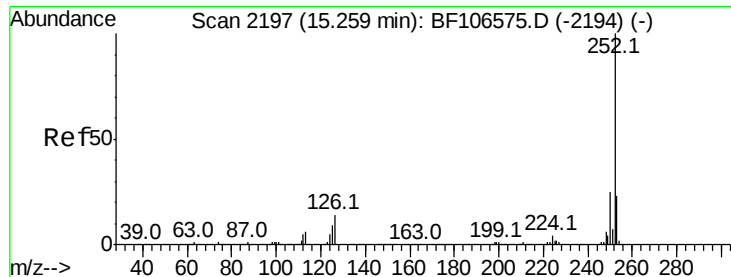
Sohil
7/16/2018 3:22:15 PM



#87
Benzo(b)fluoranthene
Concen: 362.654 ng m
RT: 15.27 min Scan# 2199
Delta R.T. 0.06 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	8.9	9.0	13.6#





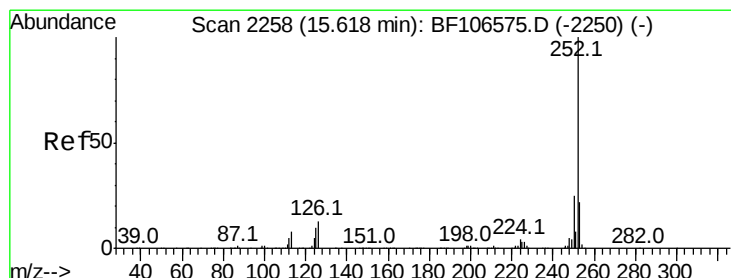
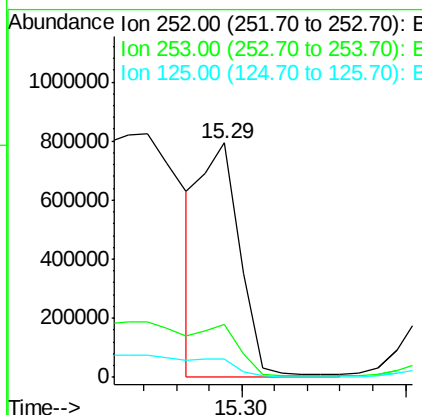
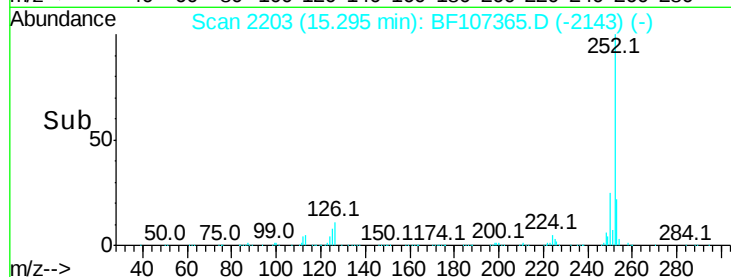
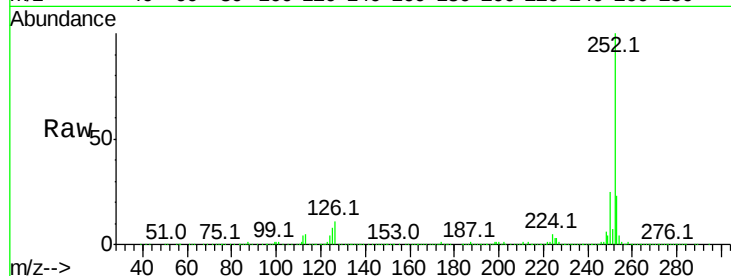
#88
Benzo(k)fluoranthene
Concen: 103.875 ng m
RT: 15.29 min Scan# 2203
Delta R.T. 0.05 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	8.0	10.2	15.2

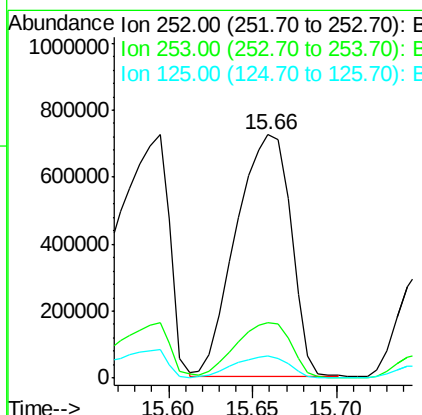
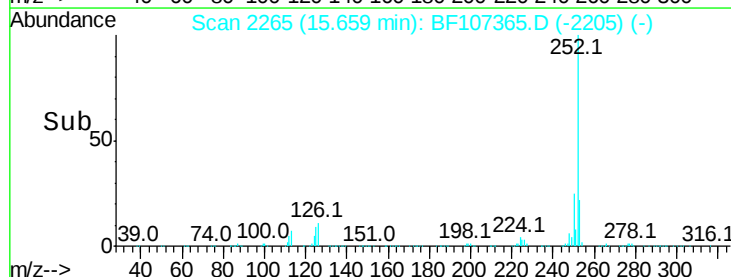
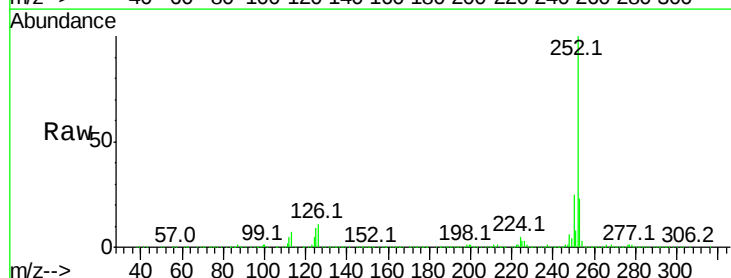
Manual Integrations
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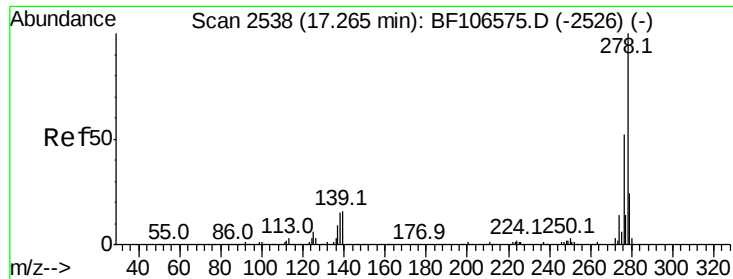
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#89
Benzo(a)pyrene
Concen: 270.767 ng m
RT: 15.66 min Scan# 2265
Delta R.T. 0.05 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	8.9	9.8	14.6





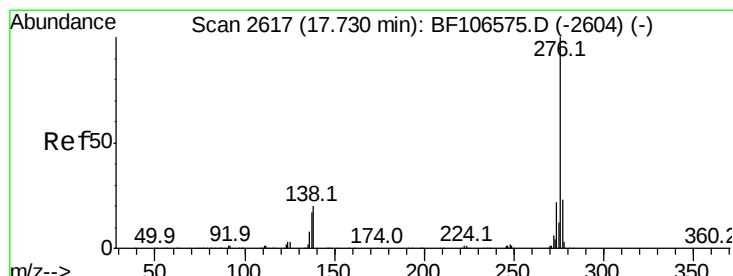
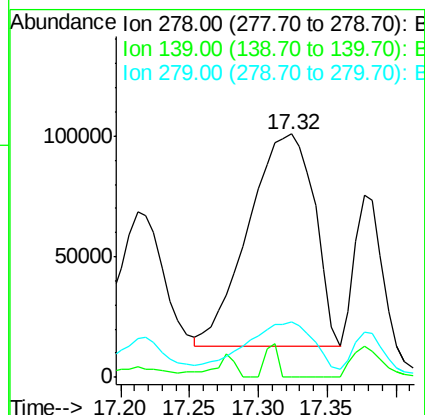
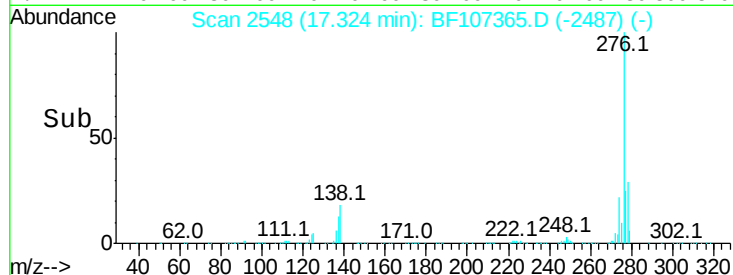
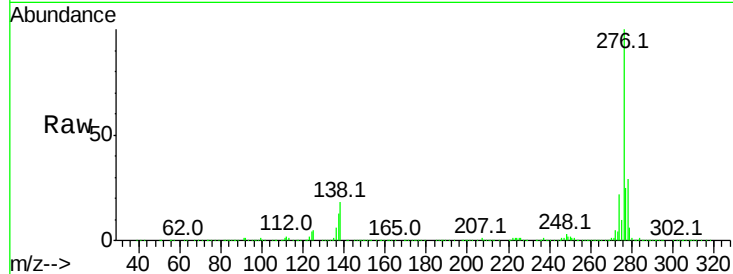
#90
Dibenzo(a,h)anthracene
Concen: 56.645 ng/mL
RT: 17.32 min Scan# 2548
Delta R.T. 0.06 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

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

Tot Ion:	278	Resp:	291336
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	22.6	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 321.702 ng/mL
RT: 17.85 min Scan# 2637
Delta R.T. 0.10 min
Lab File: BF107365.D
Acq: 13 Jul 2018 14:23

Tgt Ion:	276	Resp:	1617218
Ion Ratio	Lower	Upper	
276	100		
277	24.2	17.9	26.9
138	17.9	21.8	32.8#

