

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108122.D
 Acq On : 13 Aug 2018 17:59
 Operator : JU/SJ
 Sample : J4409-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-12C

Manual Integrations
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 8/14/2018 3:46:58 PM

Quant Time: Aug 14 14:30:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	192214	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	665898	20.00	ng	0.00
38) Acenaphthene-d10	10.08	164	295637	20.00	ng	0.01
63) Phenanthrene-d10	11.58	188	585099	20.00	ng	0.02
75) Chrysene-d12	14.24	240	448520	20.00	ng	0.02
86) Perylene-d12	15.82	264	303580	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1049449	98.85	ng	0.02
7) Phenol-d6	6.64	99	1359304	96.35	ng	0.01
23) Nitrobenzene-d5	7.58	82	852218	71.41	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	295986	100.37	ng	0.01
44) 2-Fluorobiphenyl	9.38	172	1327399	72.08	ng	0.00
78) Terphenyl-d14	13.17	244	1426546	80.87	ng	0.02
Target Compounds						
10) Phenol	6.65	94	68158	4.670	ng	Qvalue 94
31) Naphthalene	8.33	128	141310	4.666	ng	98
48) Acenaphthylene	9.94	152	56372	2.070	ng	97
49) Dimethylphthalate	9.77	163	212522	10.320	ng	99
51) Acenaphthene	10.11	154	199844	11.980	ng	98
53) 2,4-Dinitrophenol	10.30	184	115	7.086	ng	# 53
57) Fluorene	10.62	166	205210	10.726	ng	99
70) Phenanthrene	11.60	178	1049478	38.029	ng	99
71) Anthracene	11.65	178	615175	21.749	ng	99
74) Fluoranthene	12.82	202	1902763	63.175	ng	96
77) Pyrene	13.05	202	1638370	57.697	ng	97
80) Benzo(a)anthracene	14.23	228	702722	27.300	ng	96
82) Chrysene	14.27	228	554100m	23.480	ng	
85) Indeno(1,2,3-cd)pyrene	17.45	276	166304	8.133	ng	# 86
87) Benzo(b)fluoranthene	15.34	252	453367m	24.992	ng	
88) Benzo(k)fluoranthene	15.37	252	169609m	10.171	ng	
89) Benzo(a)pyrene	15.75	252	340864	20.984	ng	96
90) Dibenzo(a,h)anthracene	17.47	278	45476m	3.384	ng	
91) Benzo(g,h,i)perylene	17.96	276	140291	10.600	ng	# 89

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

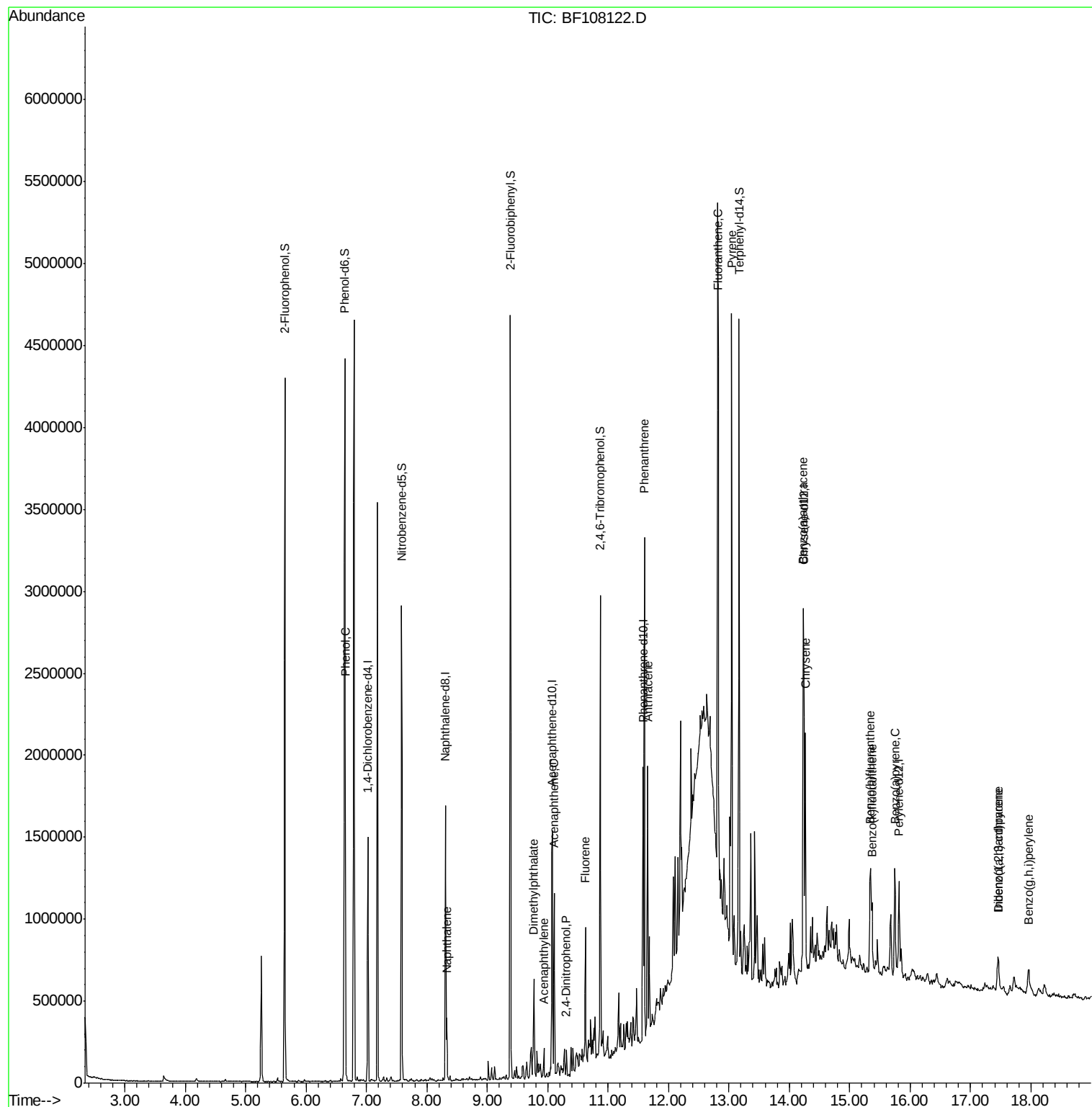
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
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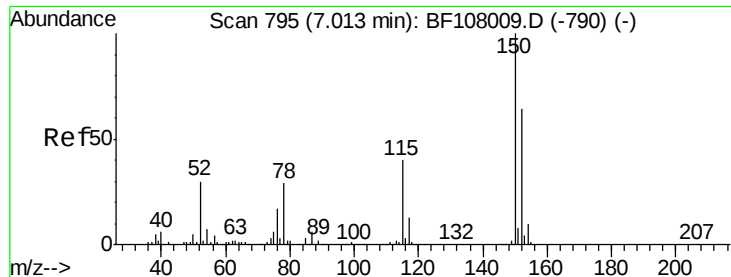
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12C

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

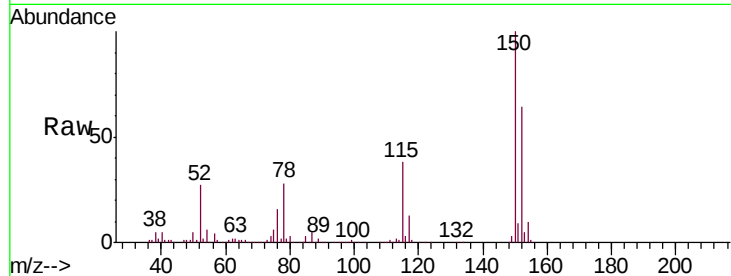
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	59.6	50.1	75.1

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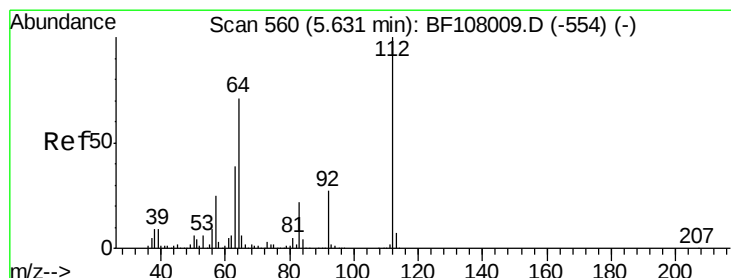
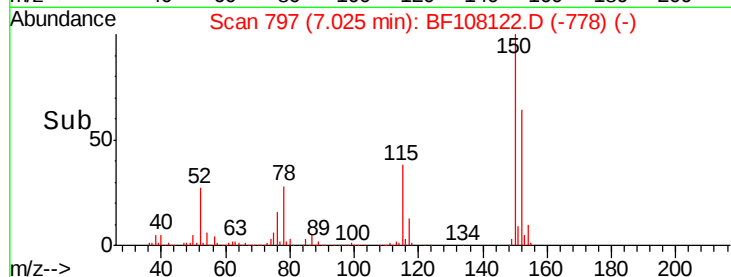
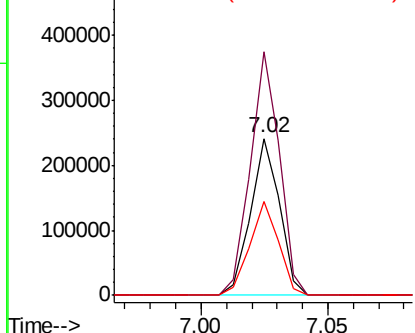


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.847 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

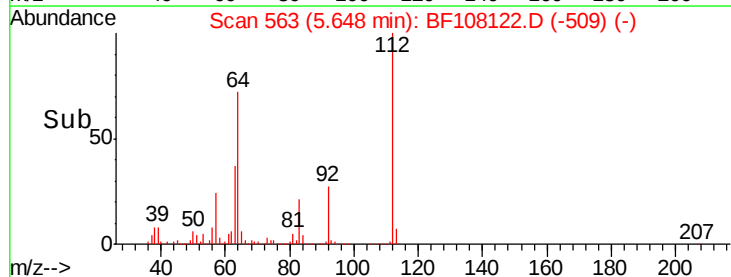
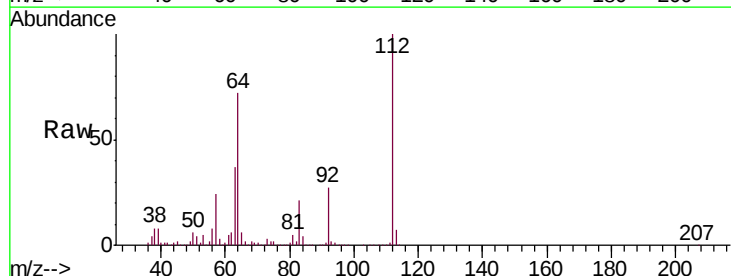
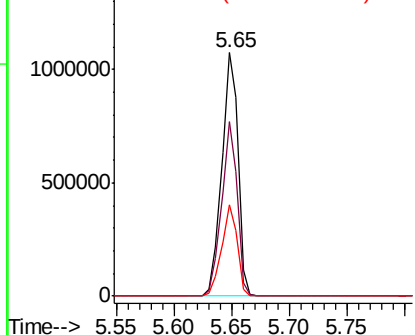
Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	47.9	71.9
63	37.4	23.7	35.5

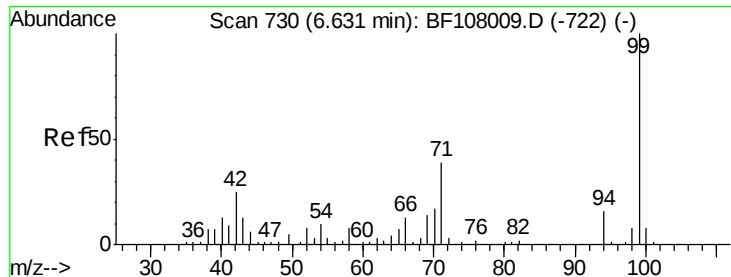
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 96.347 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108122.D

Acq: 13 Aug 2018 17:59

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-12C

Tgt Ion: 99 Resp: 1359304

Ion Ratio Lower Upper

99 100

42 24.2 14.5 21.7#

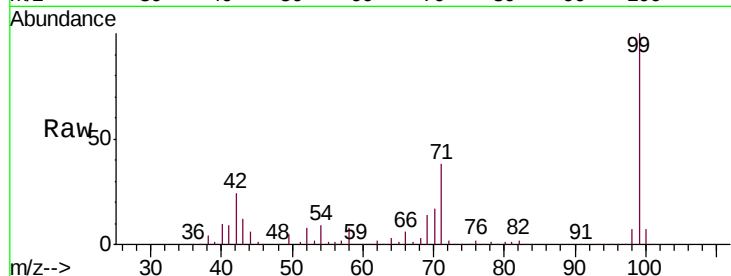
71 37.7 25.4 38.0

Manual Integrations

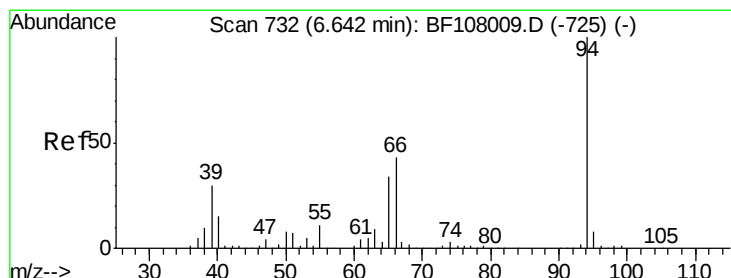
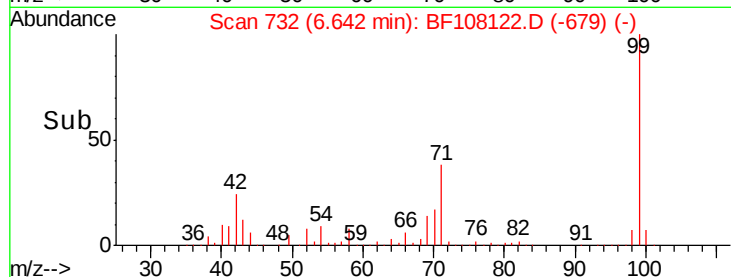
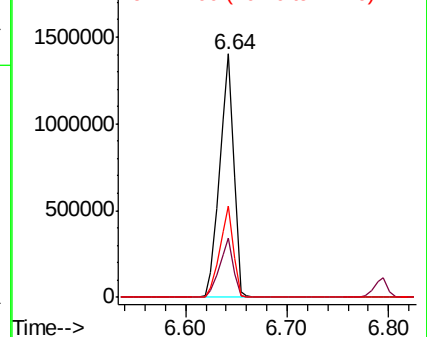
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.670 ng

RT: 6.65 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF108122.D

Acq: 13 Aug 2018 17:59

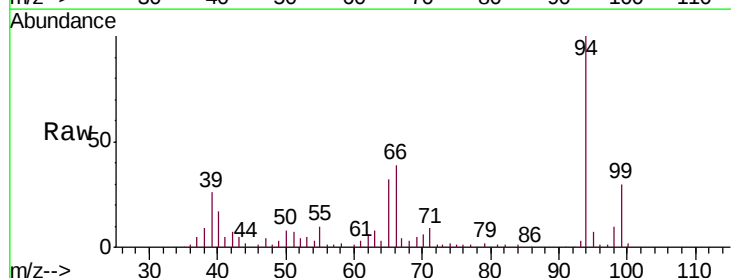
Tgt Ion: 94 Resp: 68158

Ion Ratio Lower Upper

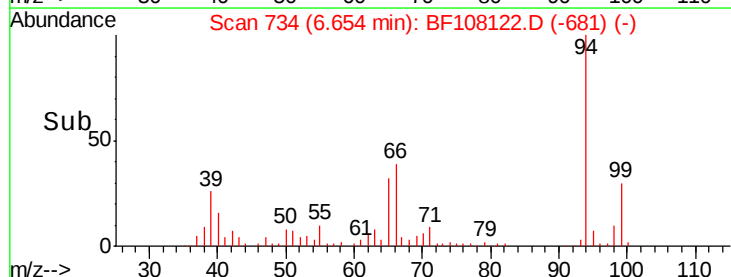
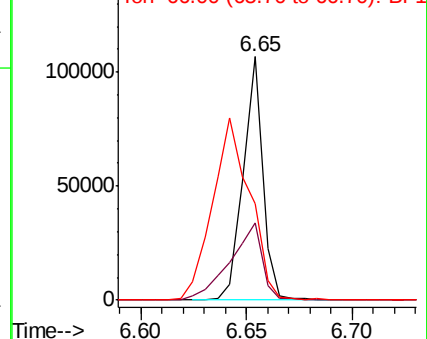
94 100

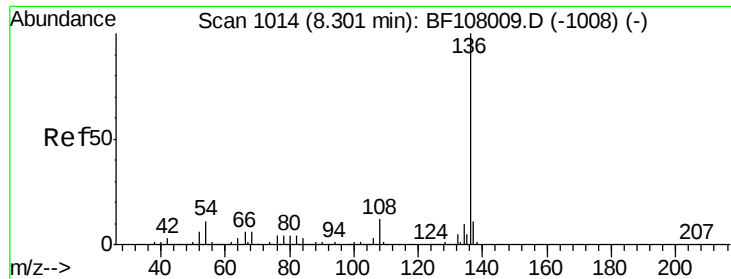
65 31.5 7.9 47.9

66 39.4 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





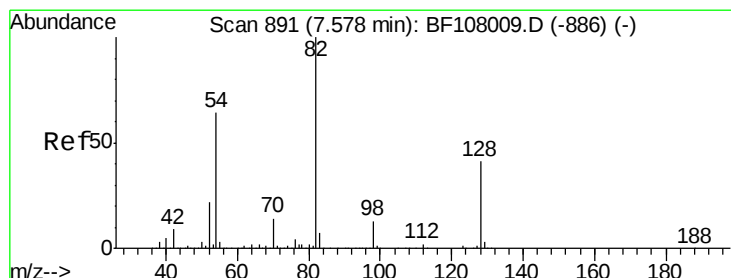
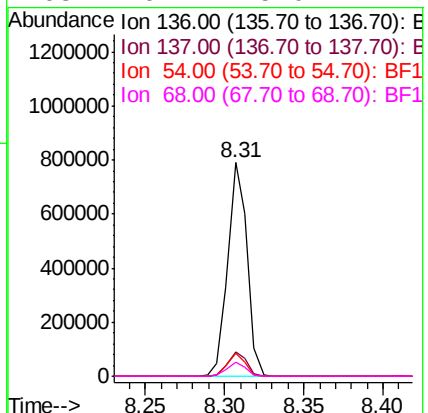
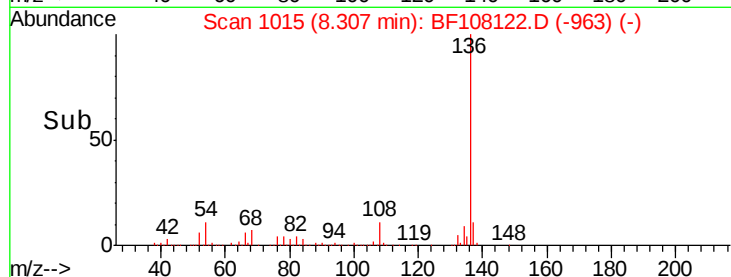
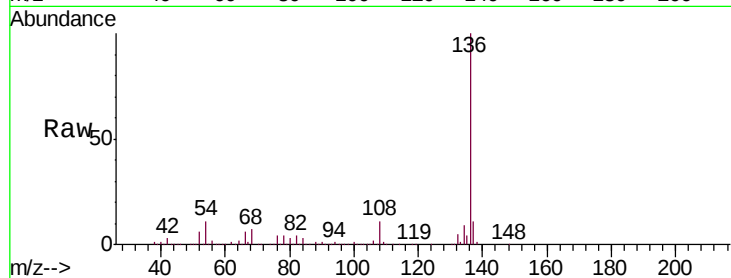
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.31 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12C

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.8	6.6	9.8
68	6.7	5.0	7.4

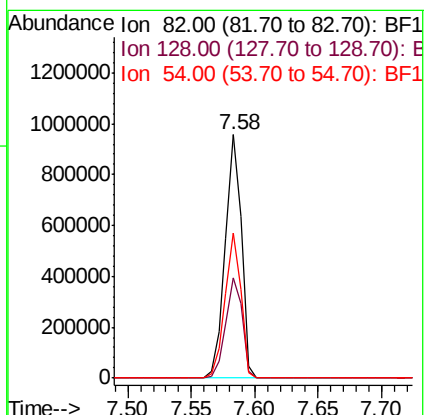
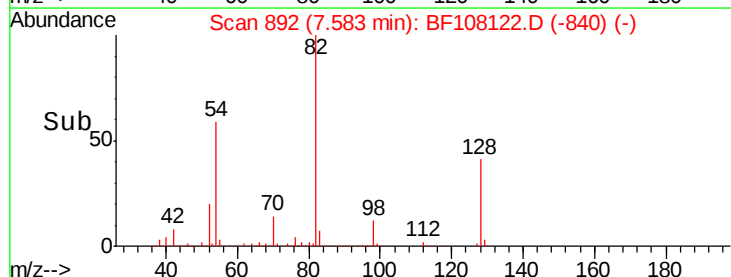
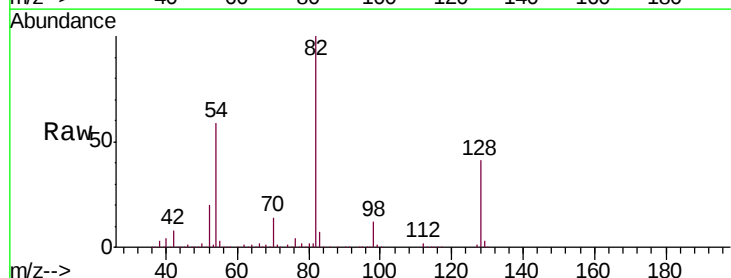
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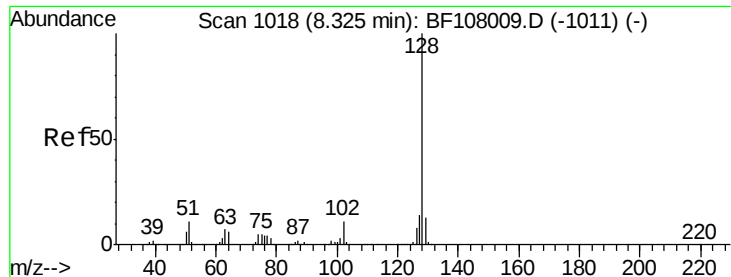
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#23
Nitrobenzene-d5
Concen: 71.415 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	41.1	36.1	54.1
54	59.3	41.4	62.2





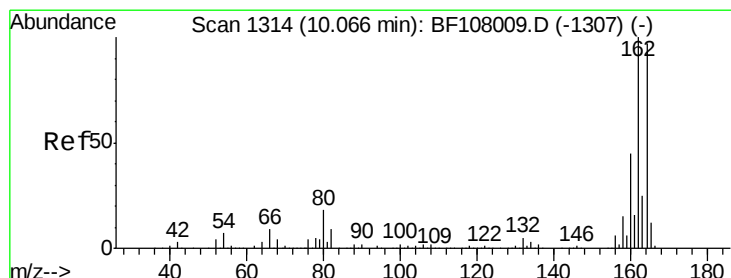
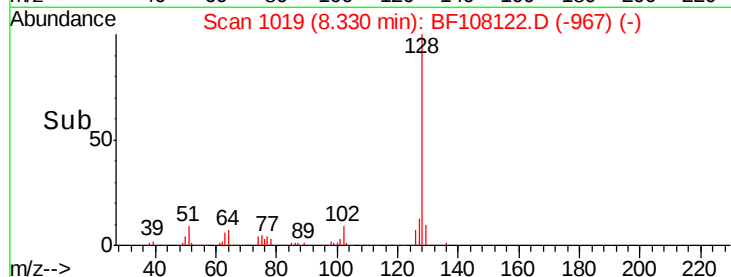
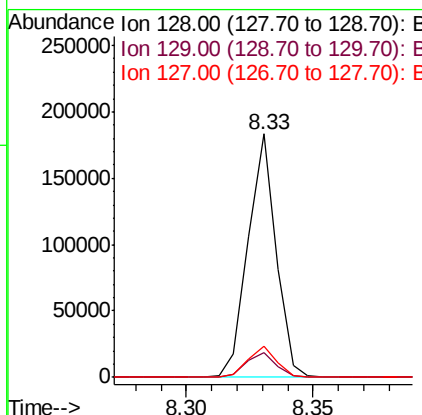
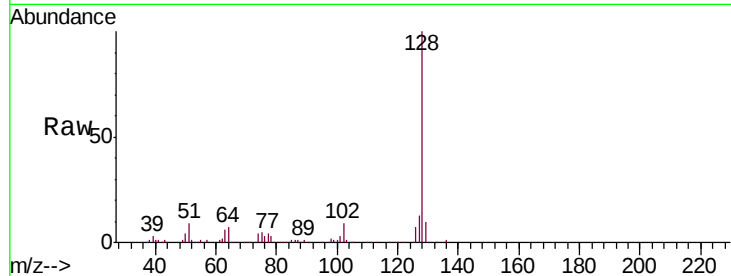
#31
Naphthalene
Concen: 4.666 ng
RT: 8.33 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12C

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.2	8.8	13.2
127	12.7	10.9	16.3

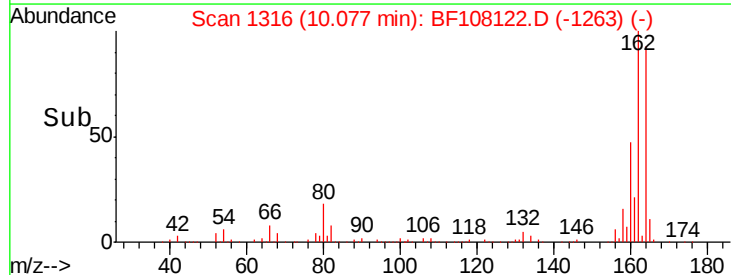
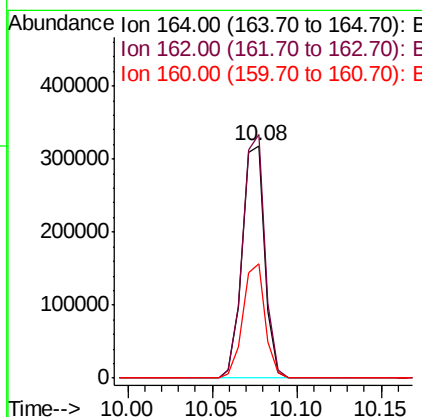
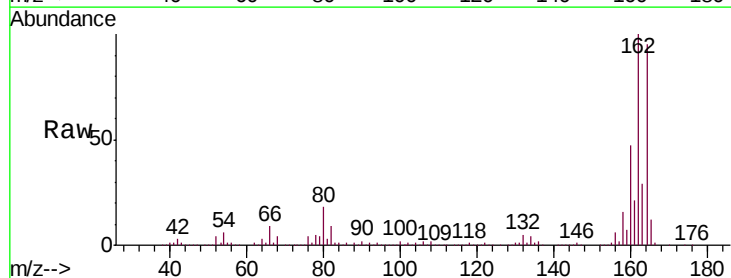
Manual Integrations
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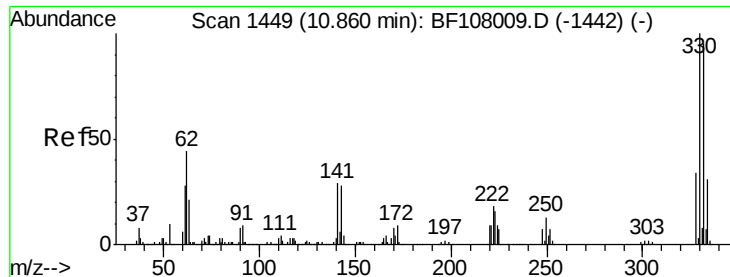
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.08 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	104.7	86.1	129.1
160	48.9	38.3	57.5





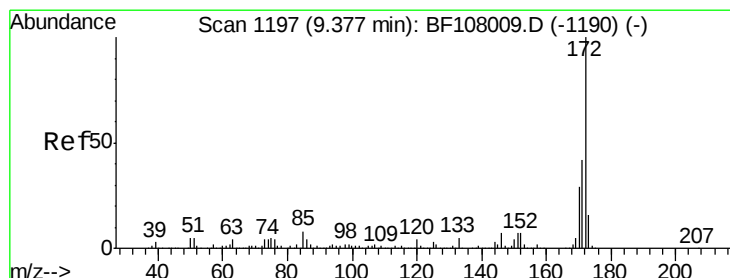
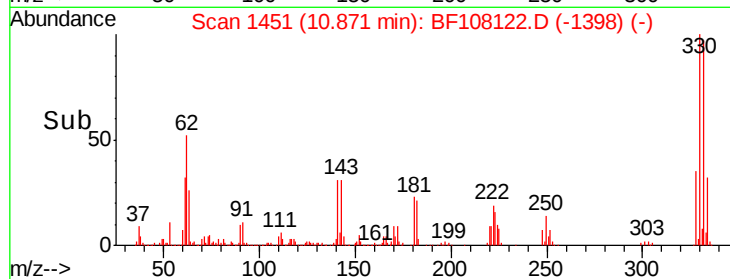
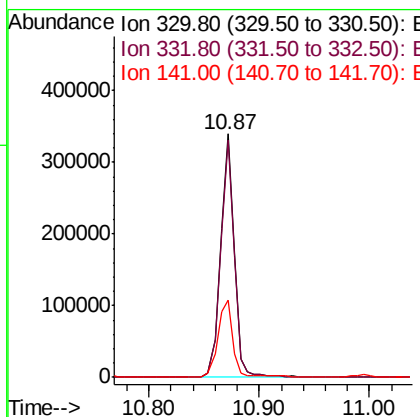
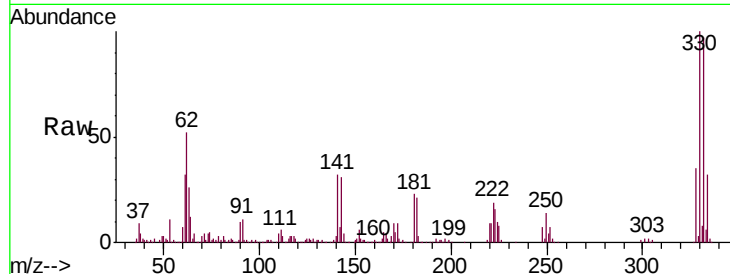
#41
 2,4,6-Tribromophenol
 Concen: 100.372 ng
 RT: 10.87 min Scan# 1451
 Delta R.T. 0.01 min
 Lab File: BF108122.D
 Acq: 13 Aug 2018 17:59

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-12C

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	295986		
332	97.6	77.0	115.6	
141	34.0	29.9	44.9	

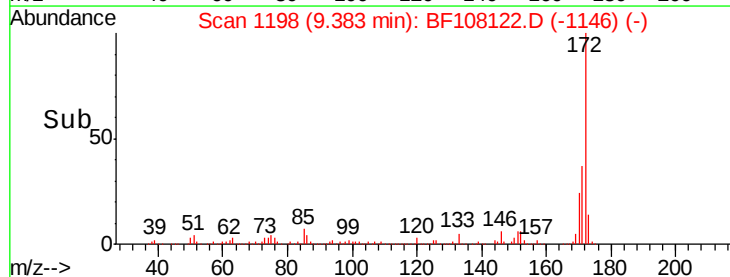
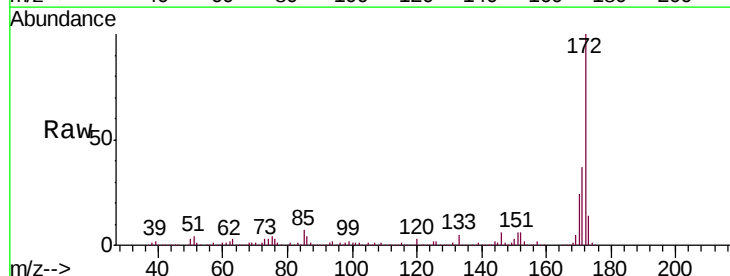
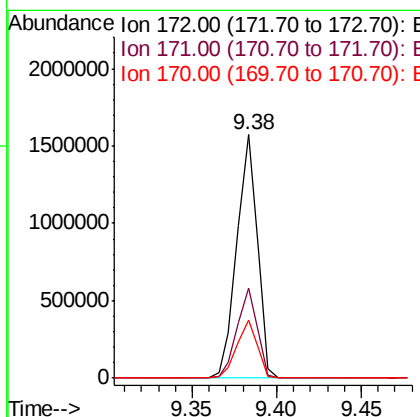
Manual Integrations
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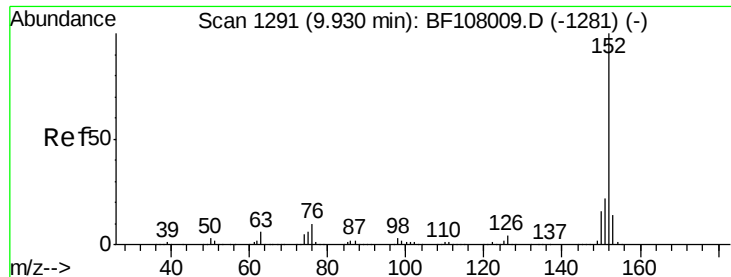
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#44
 2-Fluorobiphenyl
 Concen: 72.085 ng
 RT: 9.38 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF108122.D
 Acq: 13 Aug 2018 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1327399		
171	36.7	29.7	44.5	
170	24.1	19.6	29.4	





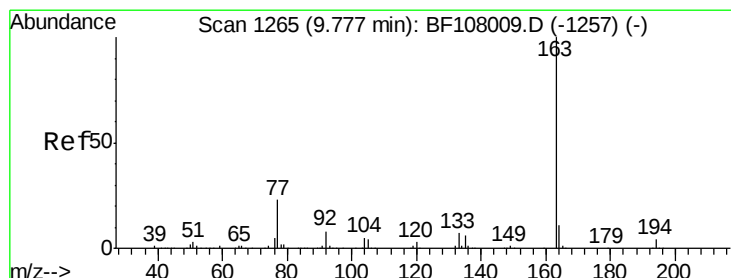
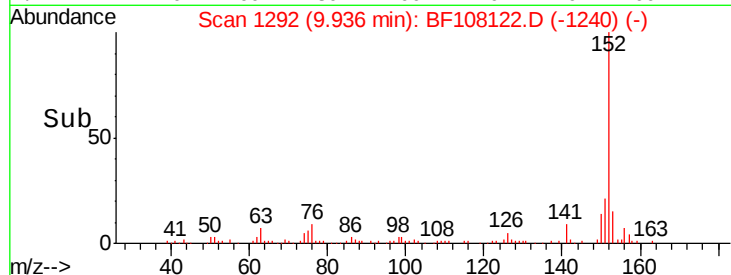
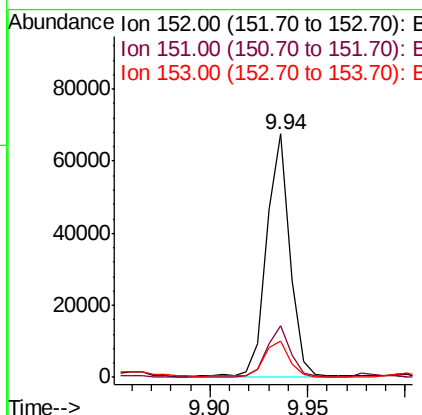
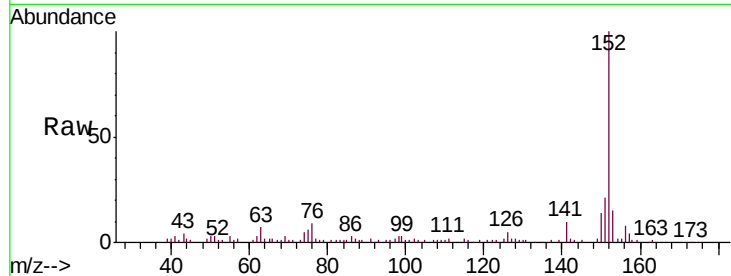
#48
Acenaphthylene
Concen: 2.070 ng
RT: 9.94 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12C

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.3	24.5
153	15.1	10.7	16.1

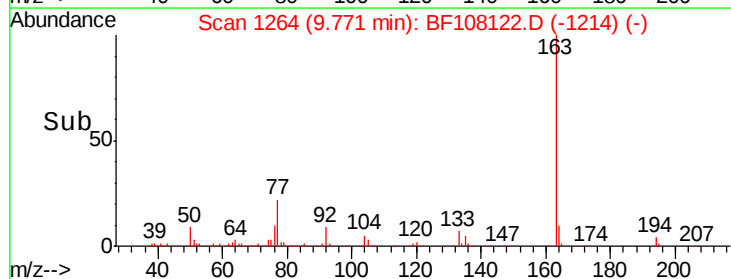
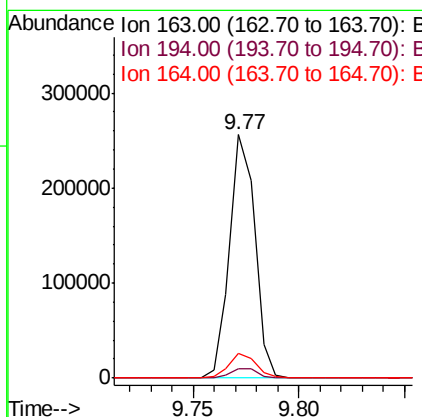
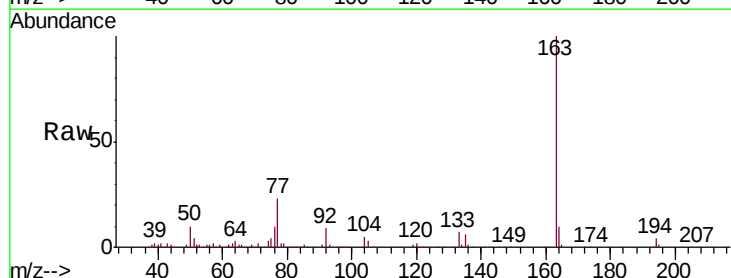
Manual Integrations
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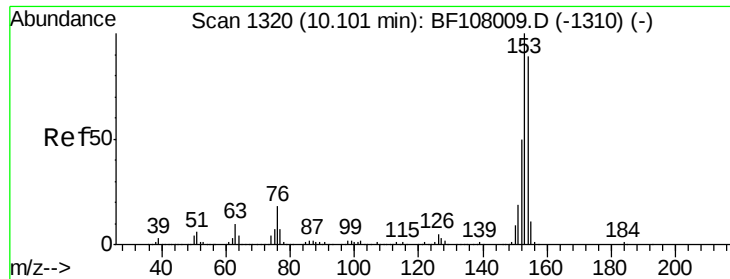
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#49
Dimethylphthalate
Concen: 10.320 ng
RT: 9.77 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.3	8.2	12.2





#51

Acenaphthene

Concen: 11.980 ng

RT: 10.11 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BF108122.D

Acq: 13 Aug 2018 17:59

Instrument :

BNA_F

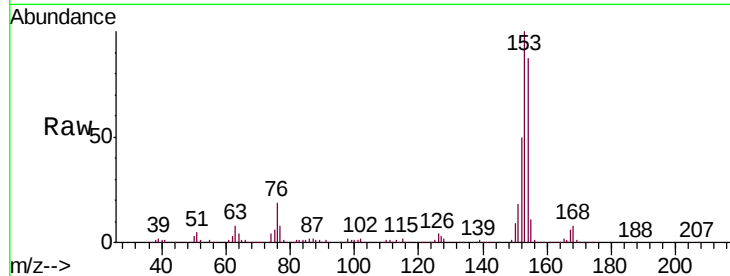
ClientSampleId :

2018-NYSEG-CLARK-AREA-12C

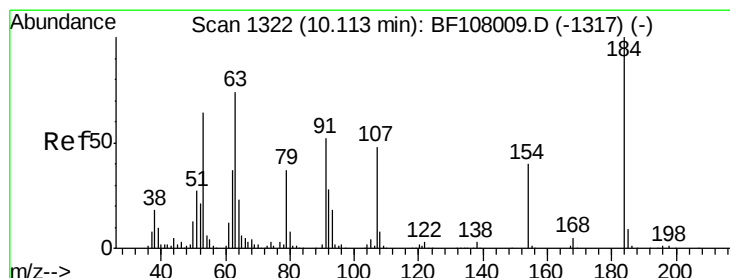
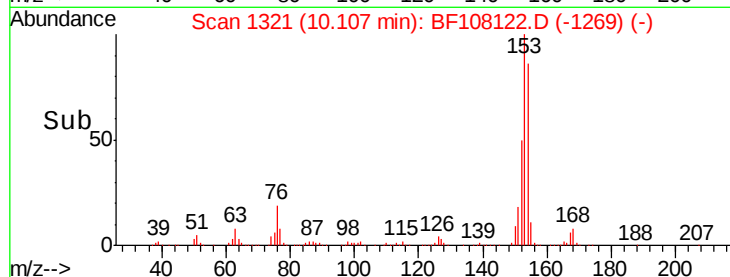
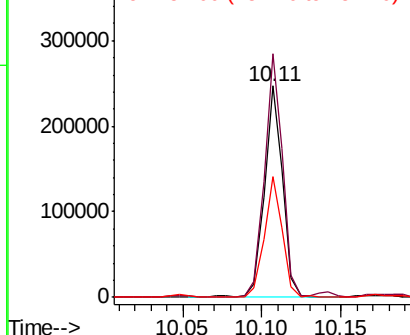
Tgt Ion:	154	Resp:	199844
Ion Ratio	Lower	Upper	
154	100		
153	115.1	91.2	136.8
152	57.0	43.8	65.8

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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



#53

2,4-Dinitrophenol

Concen: 7.086 ng

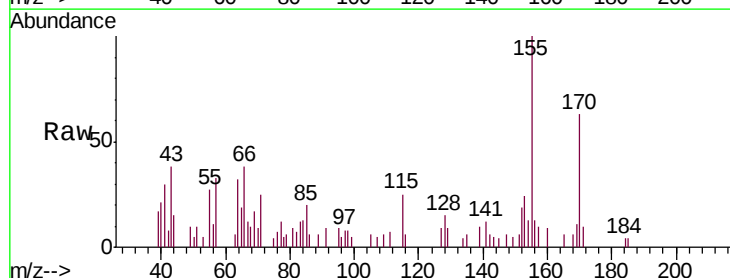
RT: 10.30 min Scan# 1354

Delta R.T. 0.19 min

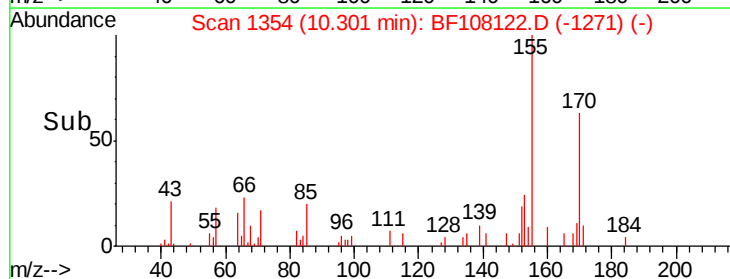
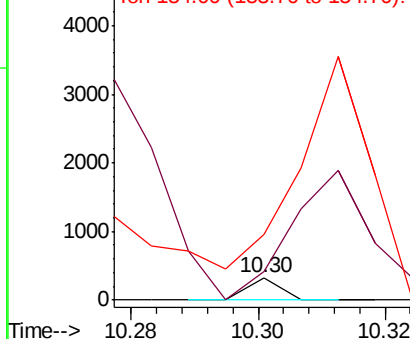
Lab File: BF108122.D

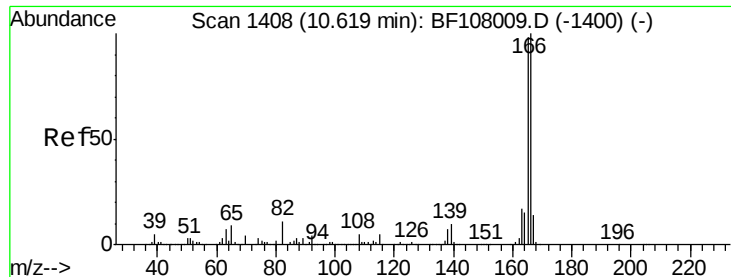
Acq: 13 Aug 2018 17:59

Tgt Ion:	184	Resp:	115
Ion Ratio	Lower	Upper	
184	100		
63	126.2	54.2	81.2#
154	296.0	184.0	276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





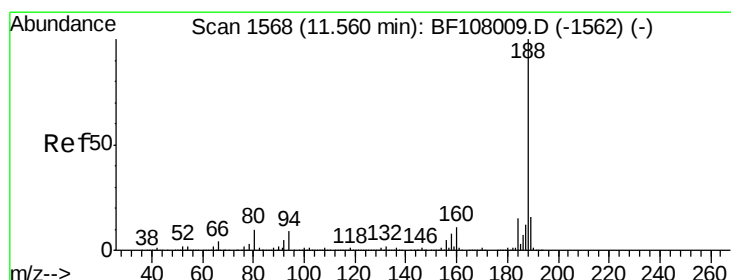
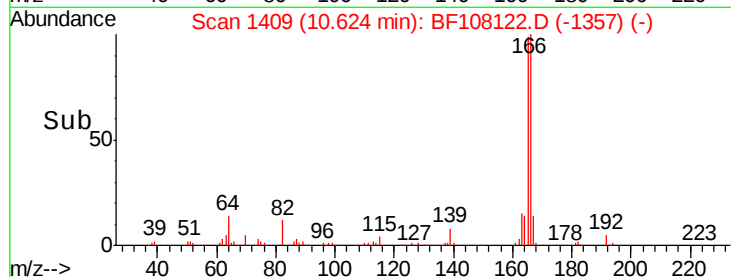
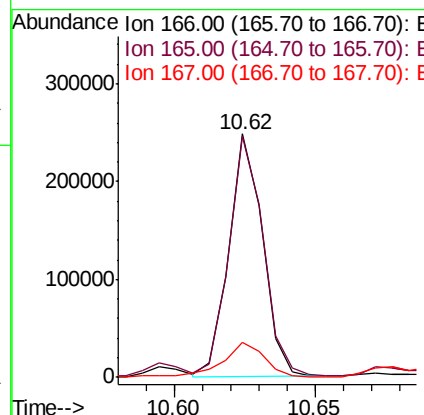
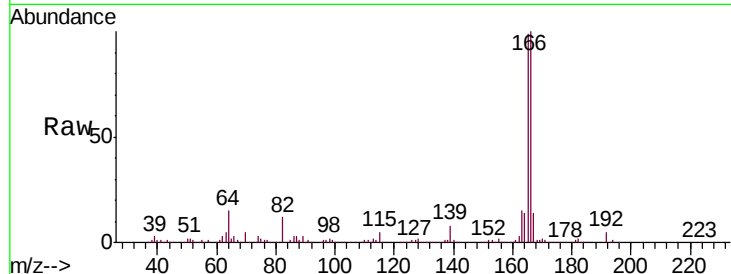
#57
Fluorene
 Concen: 10.726 ng
 RT: 10.62 min Scan# 1409
 Delta R.T. 0.01 min
 Lab File: BF108122.D
 Acq: 13 Aug 2018 17:59

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-12C

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	205210		
165	99.0	79.8	119.8	
167	14.4	10.6	16.0	

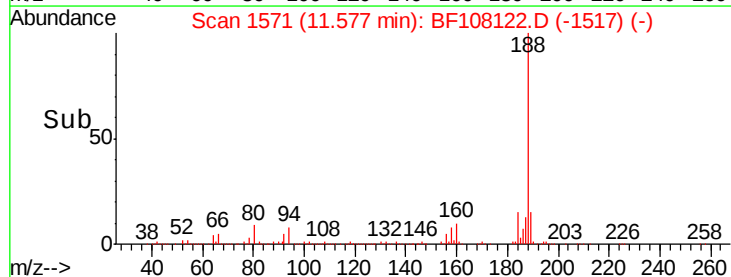
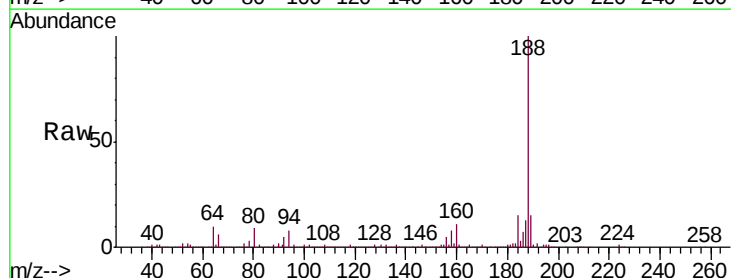
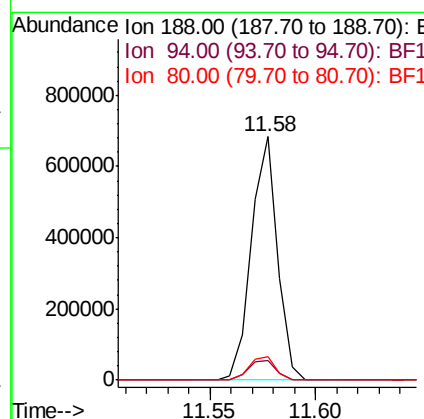
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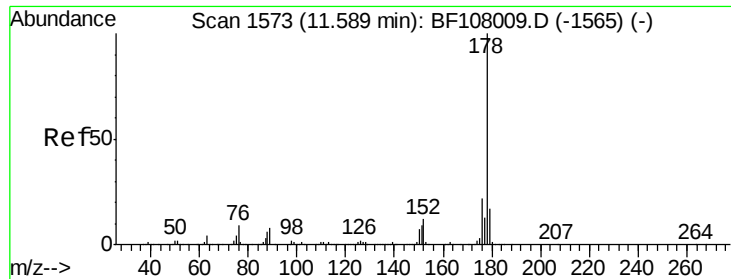
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: BF108122.D
 Acq: 13 Aug 2018 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	585099		
94	8.3	8.5	12.7#	
80	9.5	9.2	13.8	





#70

Phenanthrene

Concen: 38.029 ng

RT: 11.60 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF108122.D

Acq: 13 Aug 2018 17:59

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-12C

Tgt Ion:178 Resp: 1049478

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

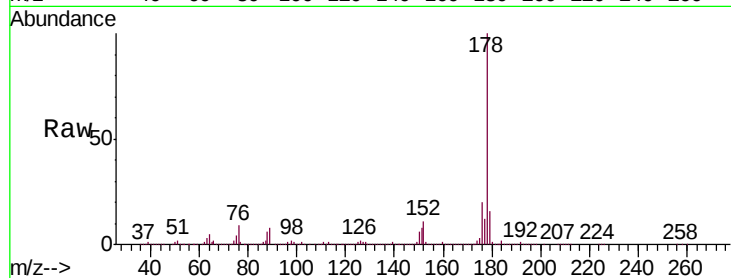
179 16.1 13.0 19.6

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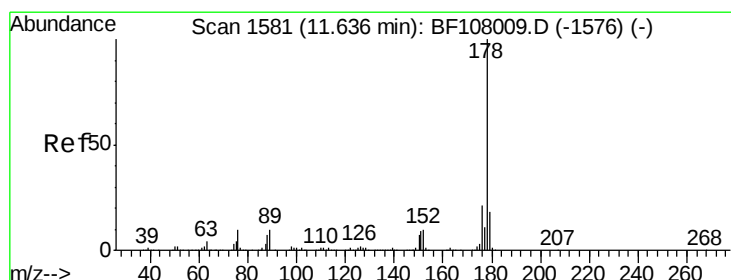
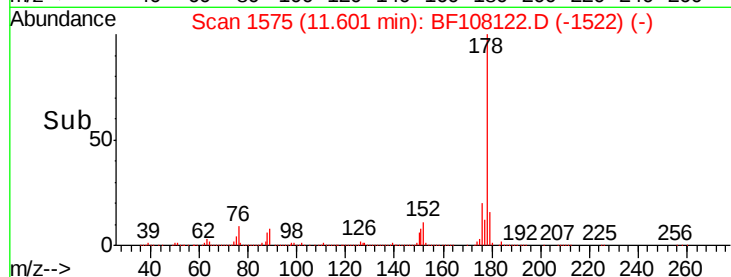
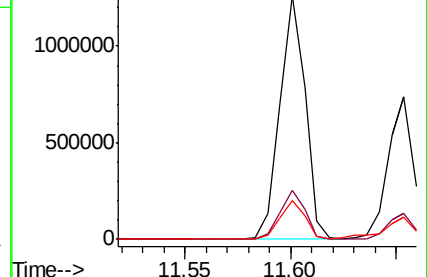
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 21.749 ng

RT: 11.65 min Scan# 1584

Delta R.T. 0.02 min

Lab File: BF108122.D

Acq: 13 Aug 2018 17:59

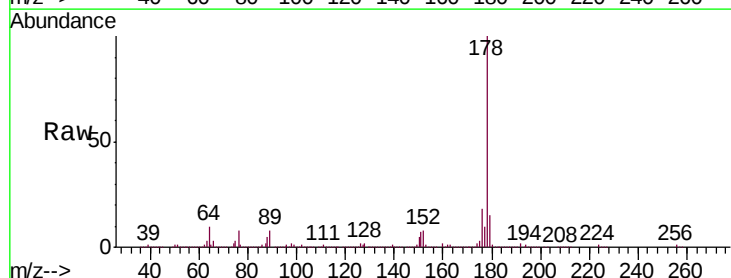
Tgt Ion:178 Resp: 615175

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

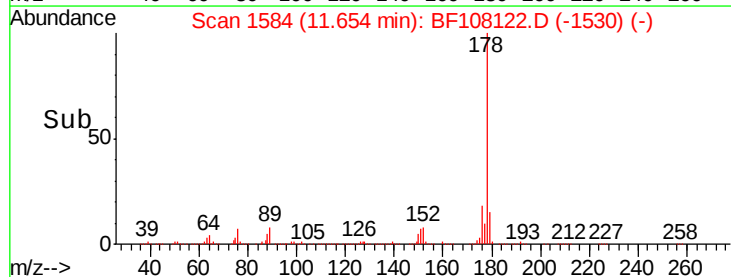
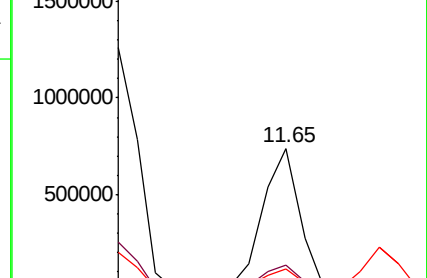
179 15.4 12.6 19.0

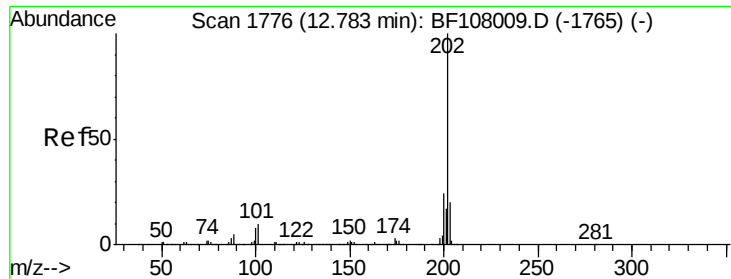


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 63.175 ng

RT: 12.82 min Scan# 1782

Delta R.T. 0.04 min

Lab File: BF108122.D

Acq: 13 Aug 2018 17:59

Instrument :

BNA_F

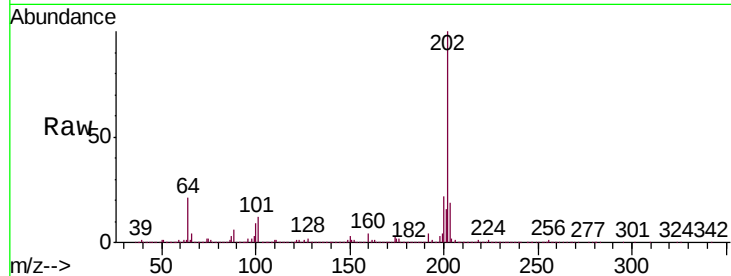
ClientSampleId :

2018-NYSEG-CLARK-AREA-12C

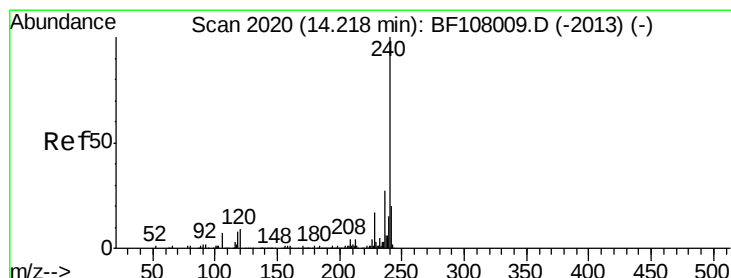
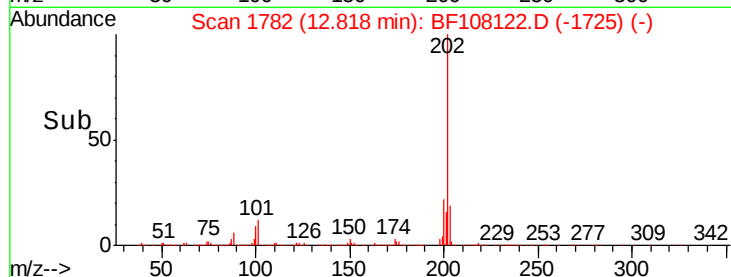
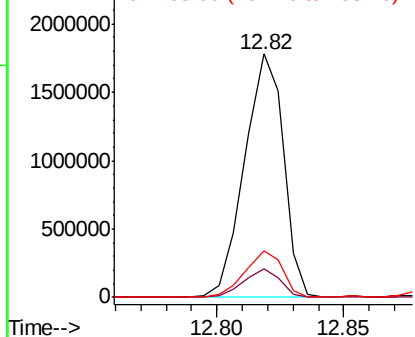
Tgt Ion:	202	Resp:	1902763
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	34.1
203	19.3	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.24 min Scan# 2024

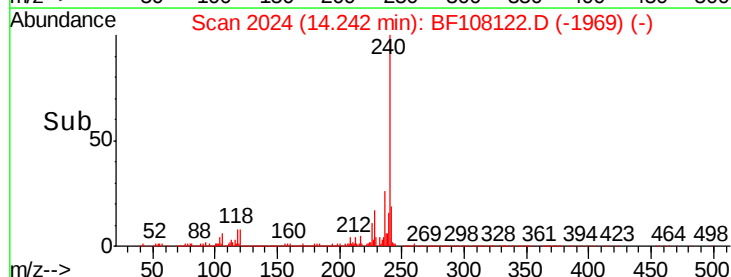
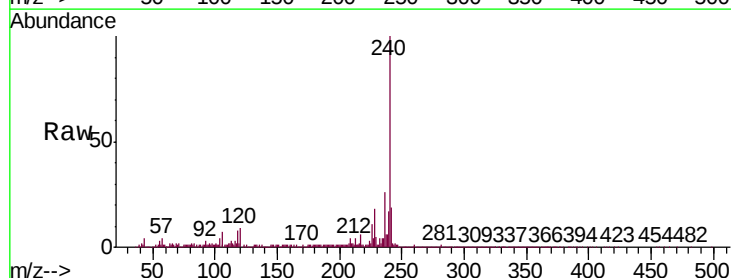
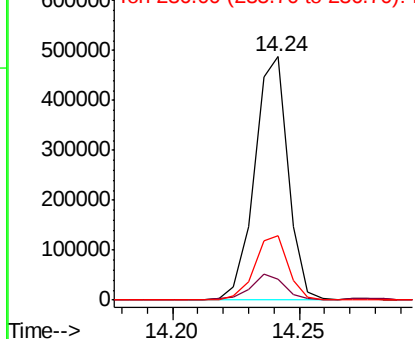
Delta R.T. 0.02 min

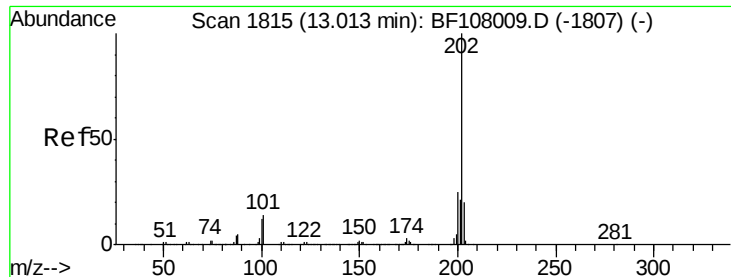
Lab File: BF108122.D

Acq: 13 Aug 2018 17:59

Tgt Ion:	240	Resp:	448520
Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	26.4	20.7	31.1

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





#77

Pyrene

Concen: 57.697 ng

RT: 13.05 min Scan# 1821

Delta R.T. 0.04 min

Lab File: BF108122.D

Acq: 13 Aug 2018 17:59

Instrument :

BNA_F

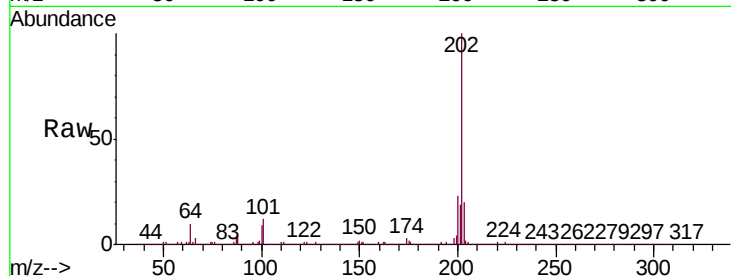
ClientSampleId :

2018-NYSEG-CLARK-AREA-12C

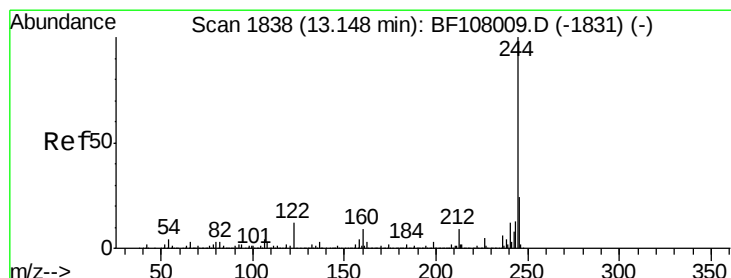
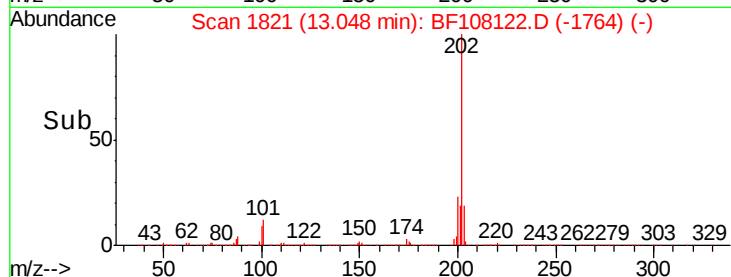
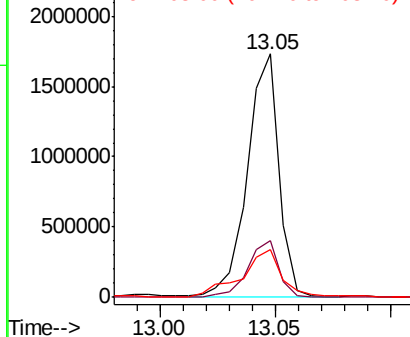
Tgt Ion:	202	Resp:	1638370
Ion	Ratio	Lower	Upper
202	100		
200	23.1	17.4	26.2
203	19.5	14.3	21.5

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



#78

Terphenyl-d14

Concen: 80.868 ng

RT: 13.17 min Scan# 1842

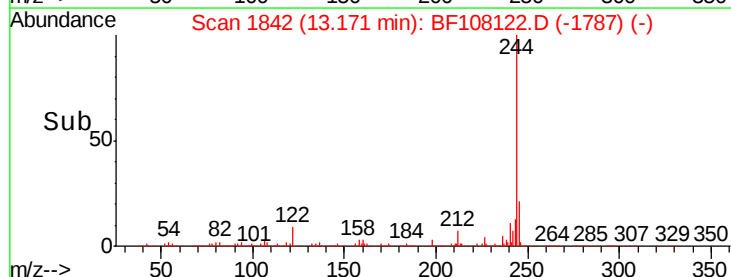
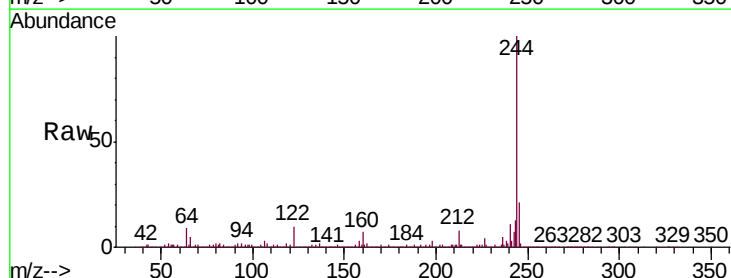
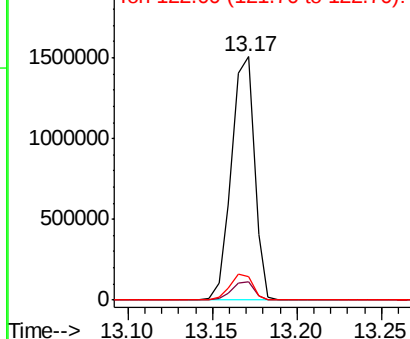
Delta R.T. 0.02 min

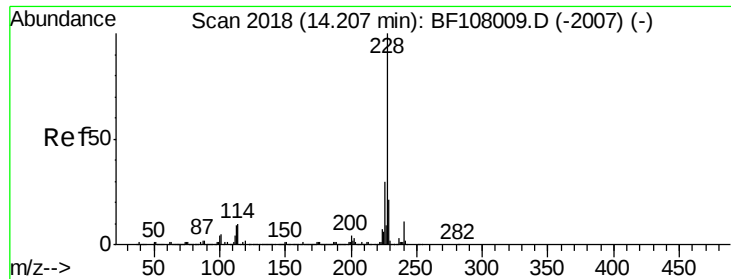
Lab File: BF108122.D

Acq: 13 Aug 2018 17:59

Tgt Ion:	244	Resp:	1426546
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	9.5	11.0	16.4#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





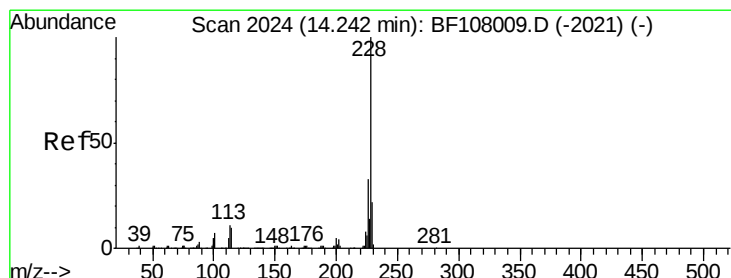
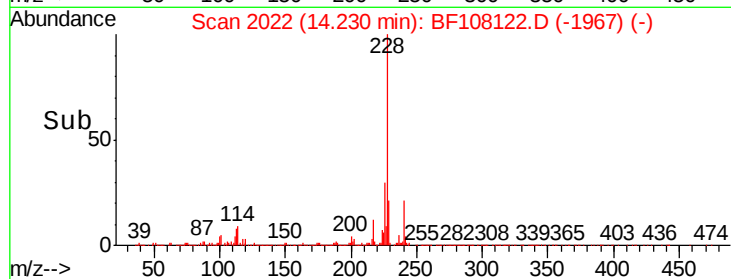
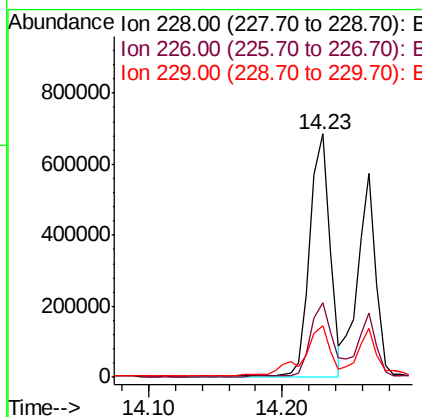
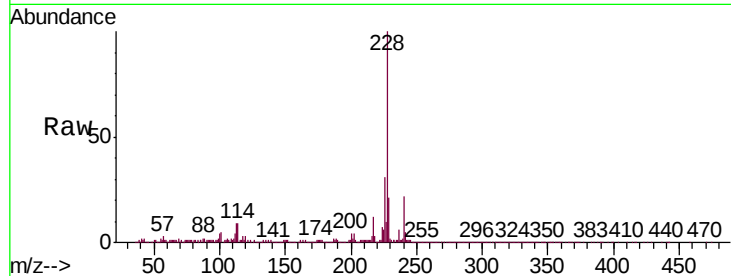
#80
Benzo(a)anthracene
Concen: 27.300 ng
RT: 14.23 min Scan# 2022
Delta R.T. 0.02 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12C

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	21.4	15.8	23.6

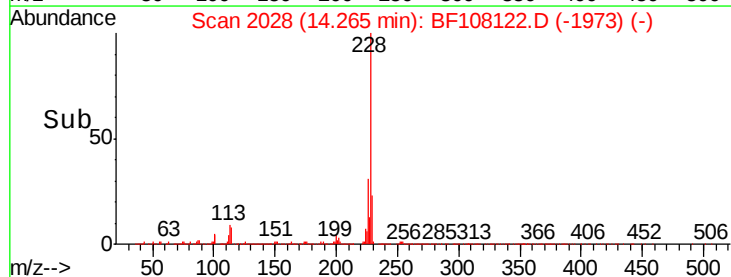
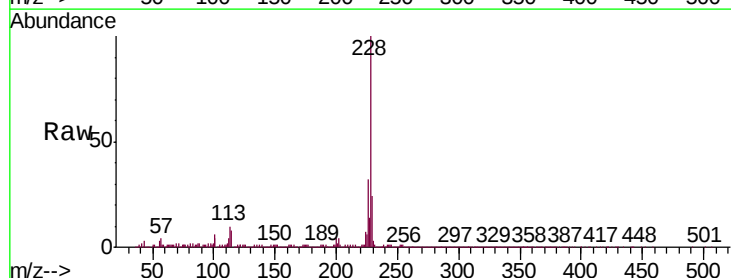
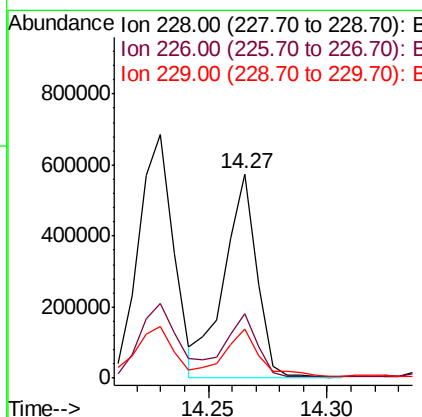
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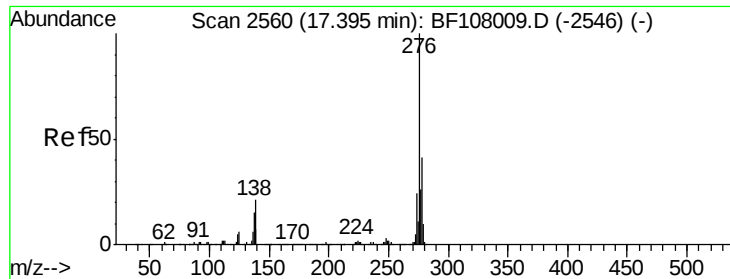
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#82
Chrysene
Concen: 23.480 ng m
RT: 14.27 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	23.7	16.2	24.4





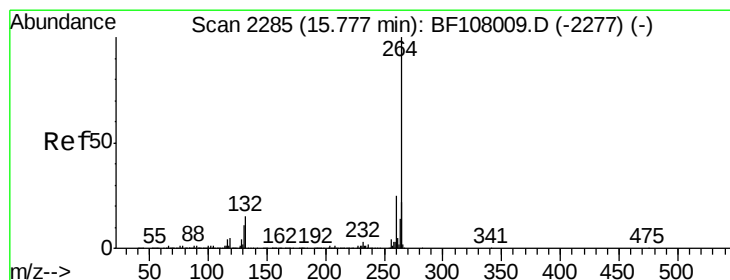
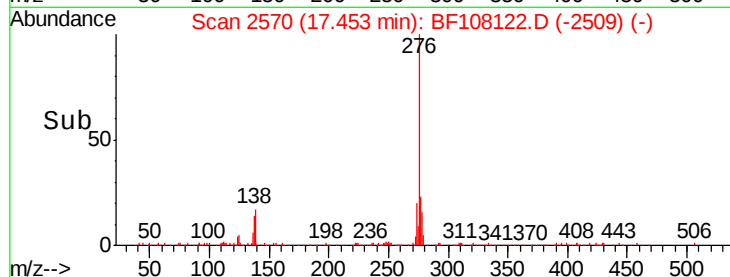
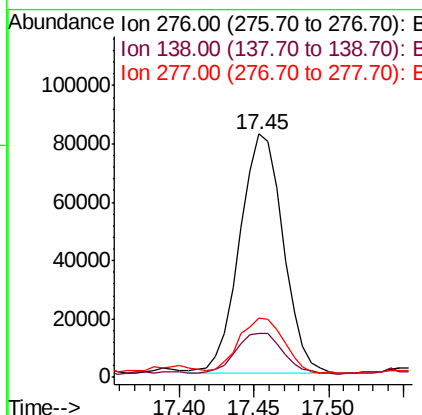
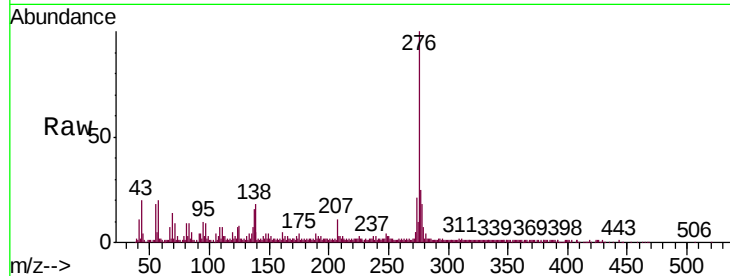
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.133 ng
 RT: 17.45 min Scan# 2570
 Delta R.T. 0.06 min
 Lab File: BF108122.D
 Acq: 13 Aug 2018 17:59

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-12C

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	25.0	37.6#
277	23.6	20.1	30.1

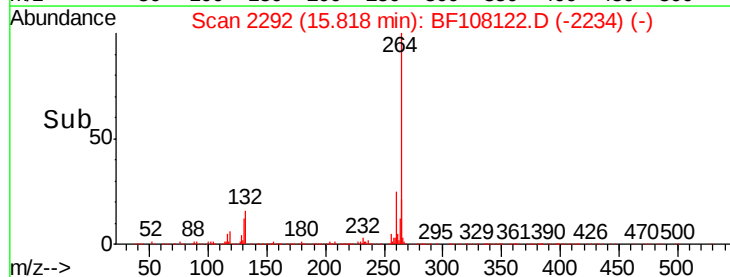
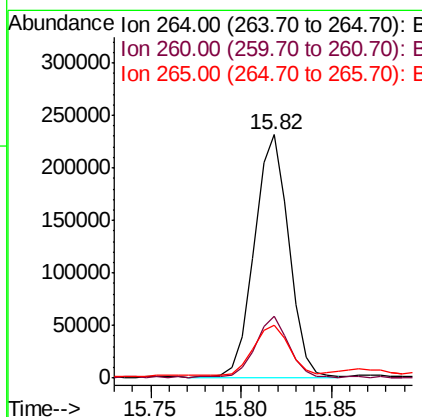
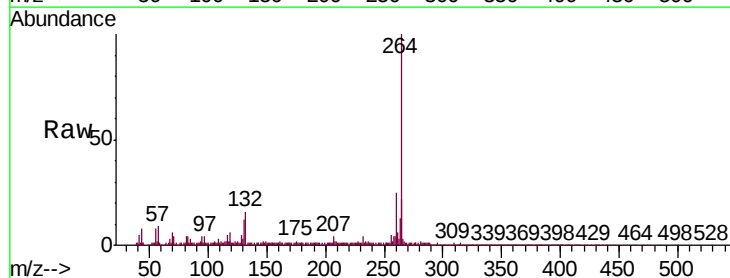
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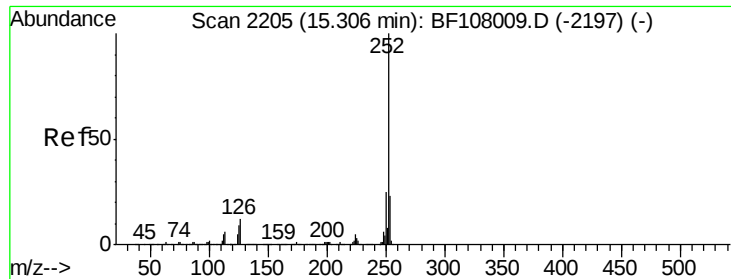
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.82 min Scan# 2292
 Delta R.T. 0.04 min
 Lab File: BF108122.D
 Acq: 13 Aug 2018 17:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 24.992 ng m

RT: 15.34 min Scan# 2211

Delta R.T. 0.04 min

Lab File: BF108122.D

Acq: 13 Aug 2018 17:59

Instrument :

BNA_F

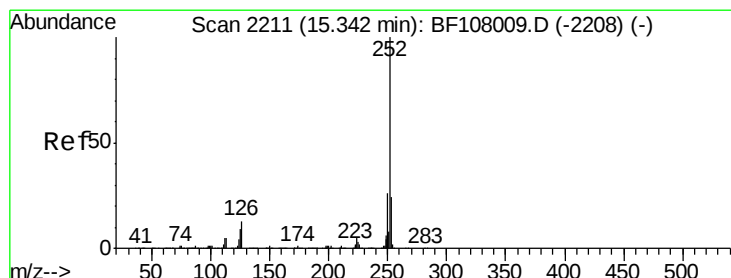
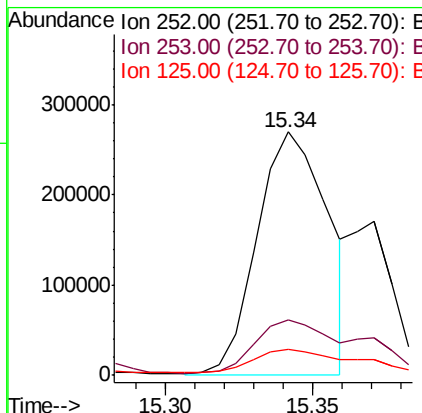
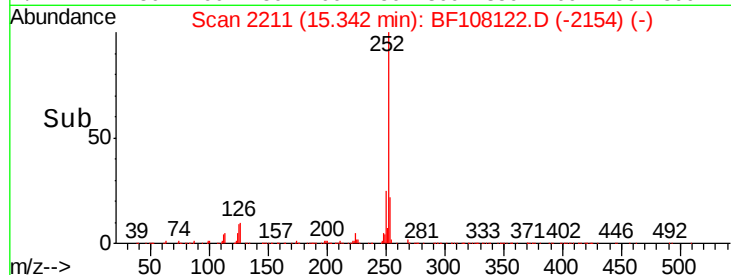
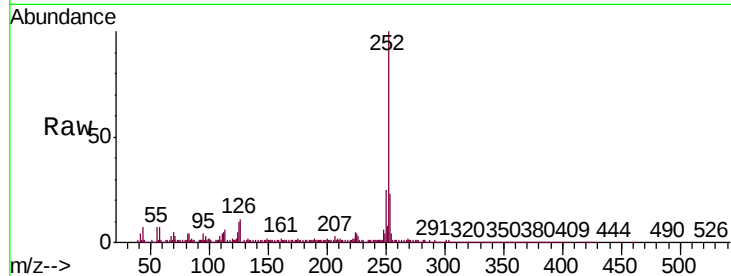
ClientSampleId :

2018-NYSEG-CLARK-AREA-12C

Tgt Ion:	252	Resp:	453367
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	10.4	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 10.171 ng m

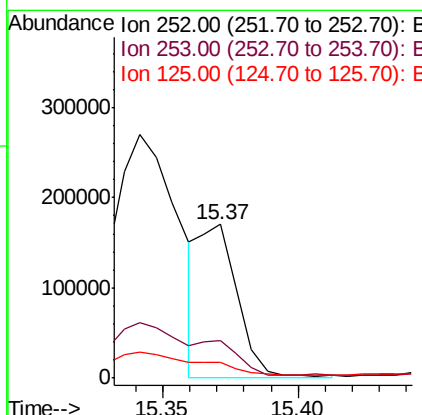
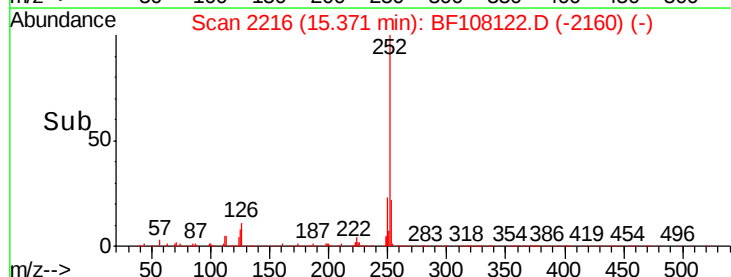
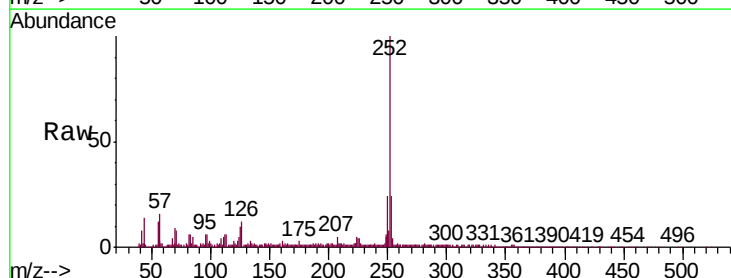
RT: 15.37 min Scan# 2216

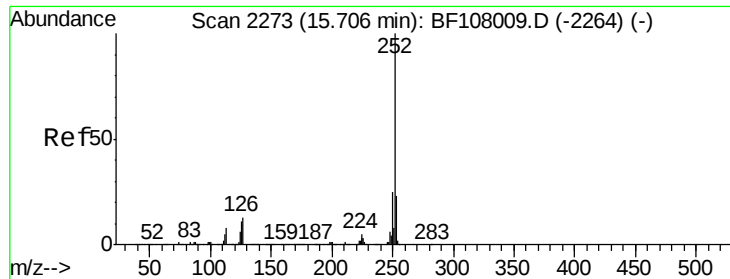
Delta R.T. 0.03 min

Lab File: BF108122.D

Acq: 13 Aug 2018 17:59

Tgt Ion:	252	Resp:	169609
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.9	26.9
125	10.3	10.2	15.2





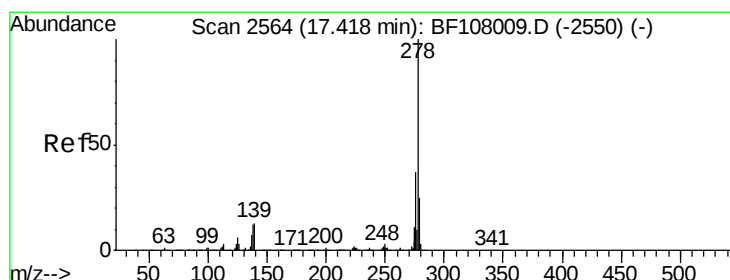
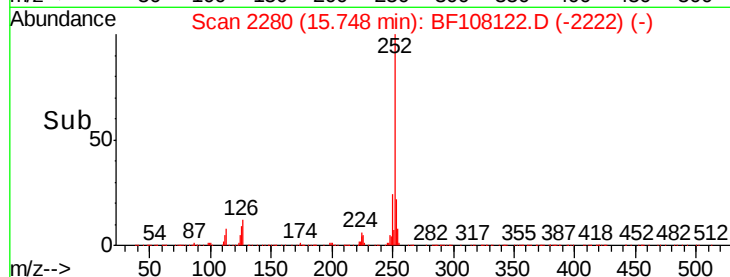
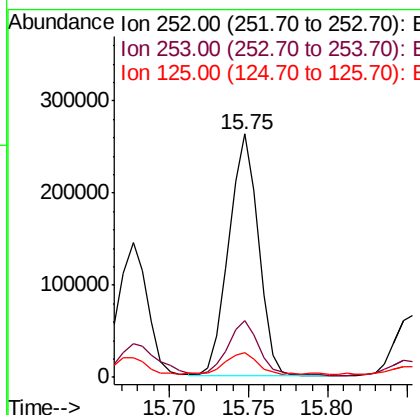
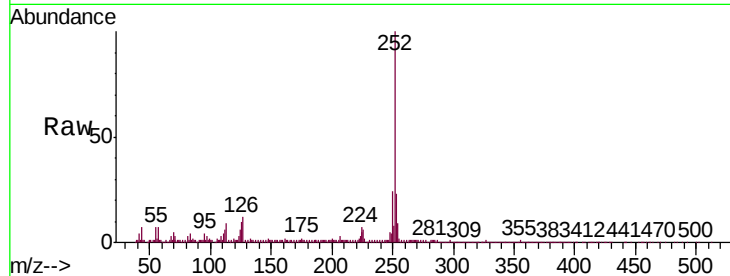
#89
Benzo(a)pyrene
Concen: 20.984 ng
RT: 15.75 min Scan# 2280
Delta R.T. 0.04 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12C

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	340864		
253	23.1	17.1	25.7	
125	10.4	9.8	14.6	

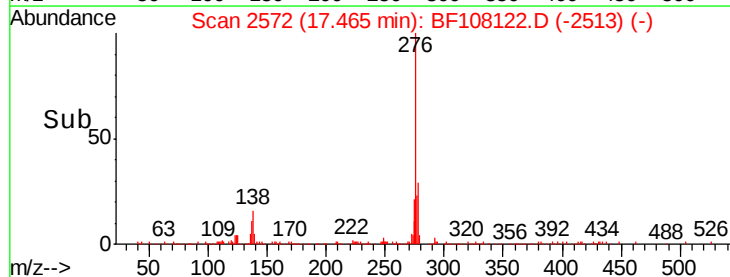
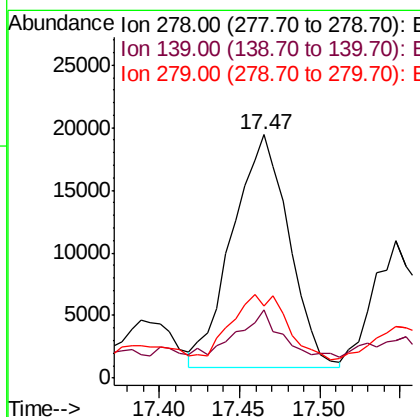
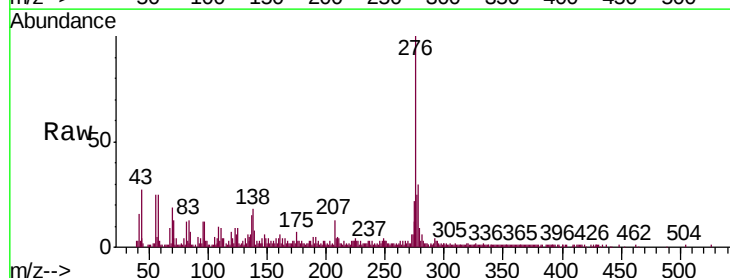
Manual Integrations
APPROVED

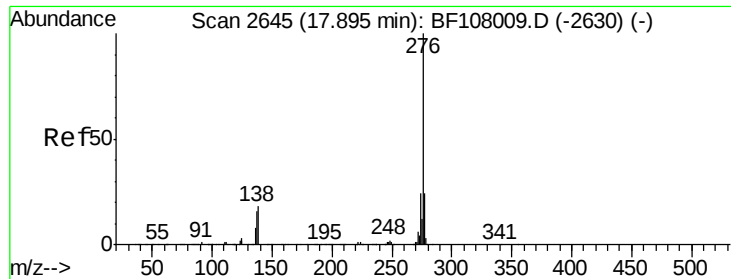
Sohil
8/14/2018 3:46:58 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.384 ng m
RT: 17.47 min Scan# 2572
Delta R.T. 0.05 min
Lab File: BF108122.D
Acq: 13 Aug 2018 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	45476		
139	28.1	15.9	23.9#	
279	29.6	19.0	28.4#	





#91
 Benzo(g,h,i)perylene
 Concen: 10.600 ng
 RT: 17.96 min Scan# 2656
 Delta R.T. 0.06 min
 Lab File: BF108122.D
 Acq: 13 Aug 2018 17:59

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-12C

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	19.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 8/14/2018 3:46:58 PM

