

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
 Data File : BF108139.D
 Acq On : 14 Aug 2018 12:45
 Operator : JU/SJ
 Sample : J4409-11DL 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 14 16:55:48 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	192403	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	696293	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	297654	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	519706	20.00	ng	0.00
75) Chrysene-d12	14.22	240	505652	20.00	ng	0.00
86) Perylene-d12	15.79	264	405925	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	41704	3.92	ng	0.00
7) Phenol-d6	6.62	99	57805	4.09	ng	0.00
23) Nitrobenzene-d5	7.57	82	35659	2.86	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	10468	3.53	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	67413	3.64	ng	0.00
78) Terphenyl-d14	13.15	244	66737	3.36	ng	0.00
Target Compounds						
31) Naphthalene	8.32	128	133149	4.205	ng	99
51) Acenaphthene	10.10	154	147822	8.801	ng	98
54) Dibenzofuran	10.27	168	87010	3.576	ng	99
57) Fluorene	10.61	166	119518	6.205	ng	98
70) Phenanthrene	11.59	178	1338153	54.590	ng	99
71) Anthracene	11.64	178	386719	15.393	ng	99
72) Carbazole	11.79	167	207241	9.284	ng	98
74) Fluoranthene	12.79	202	1611581	60.240	ng	95
77) Pyrene	13.02	202	1412993	44.138	ng	99
80) Benzo(a)anthracene	14.21	228	718981	24.776	ng	97
82) Chrysene	14.25	228	631859	23.750	ng	98
85) Indeno(1,2,3-cd)pyrene	17.40	276	186273m	8.081	ng	
87) Benzo(b)fluoranthene	15.31	252	658903m	27.165	ng	
88) Benzo(k)fluoranthene	15.34	252	174029m	7.805	ng	
89) Benzo(a)pyrene	15.72	252	415636m	19.136	ng	
90) Dibenzo(a,h)anthracene	17.41	278	51944m	2.890	ng	
91) Benzo(g,h,i)perylene	17.90	276	162155	9.163	ng	# 89

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

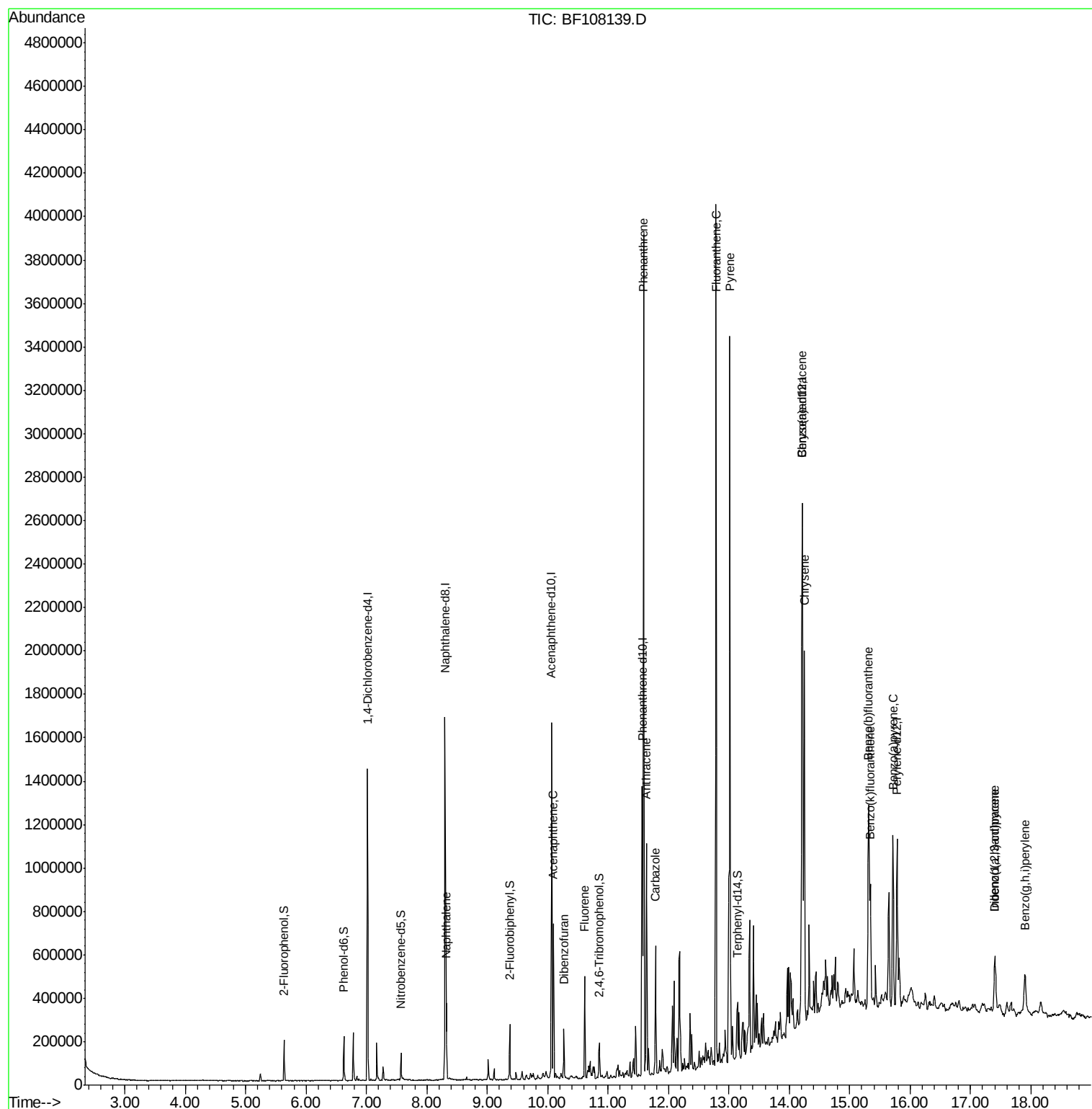
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
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#1

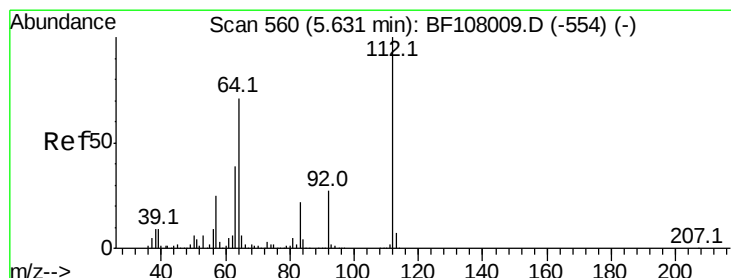
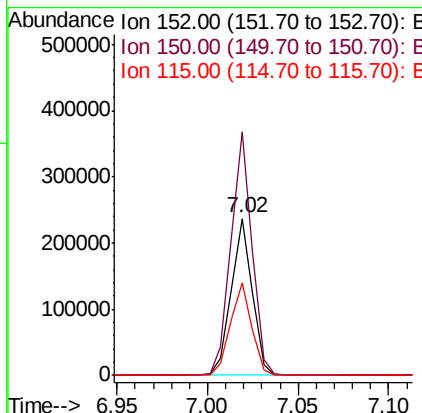
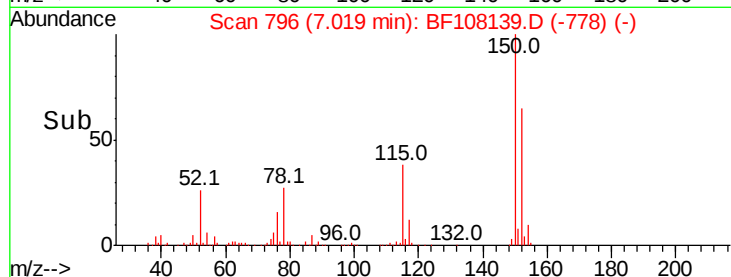
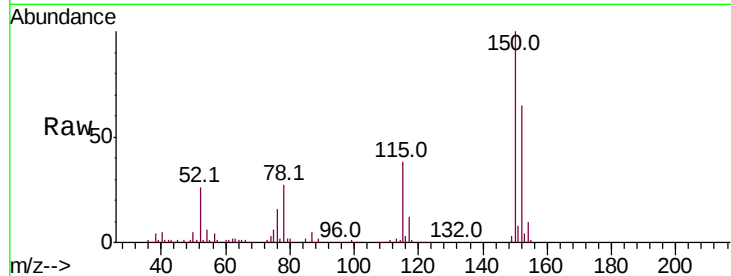
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108139.D
Acq: 14 Aug 2018 12:45

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	58.9	50.1	75.1

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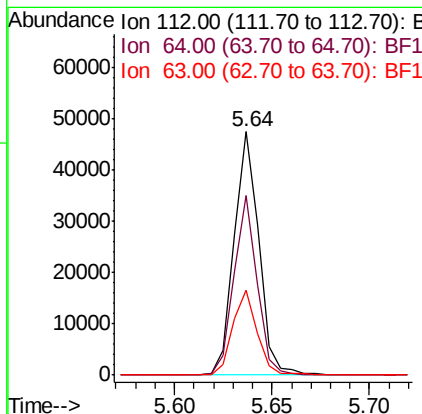
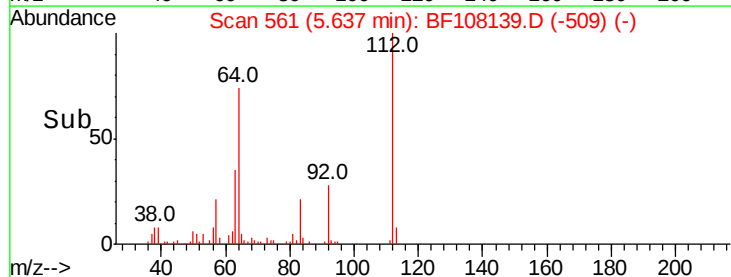
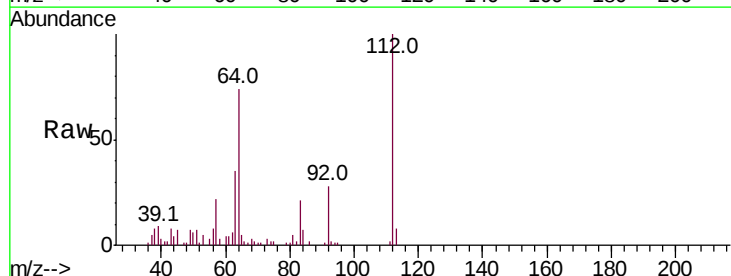
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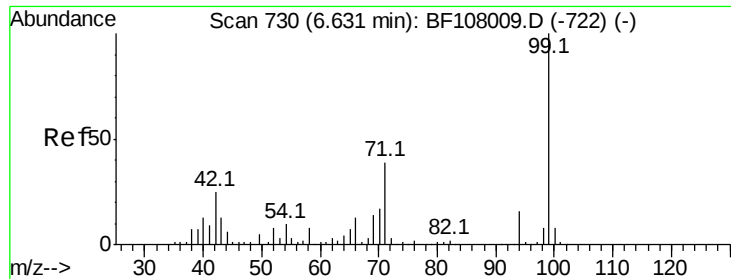


#5

2-Fluorophenol
Concen: 3.924 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108139.D
Acq: 14 Aug 2018 12:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	47.9	71.9#
63	34.7	23.7	35.5





#7

Phenol-d6

Concen: 4.093 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-12BDL

Tot Ion: 99 Resp: 57805

Ion Ratio Lower Upper

99 100

42 24.3 14.5 21.7#

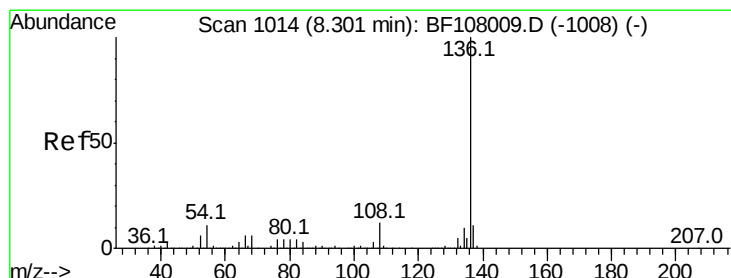
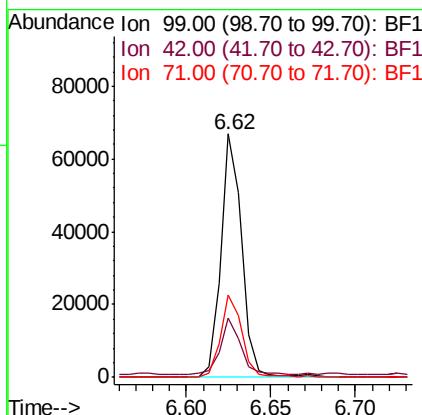
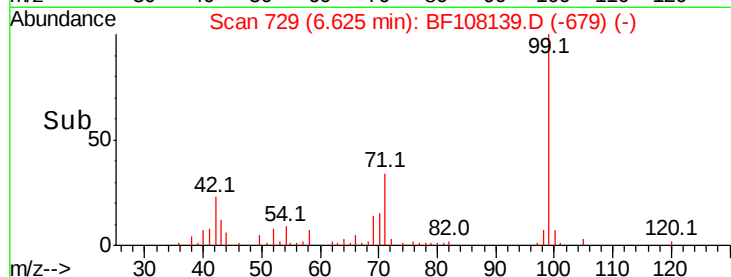
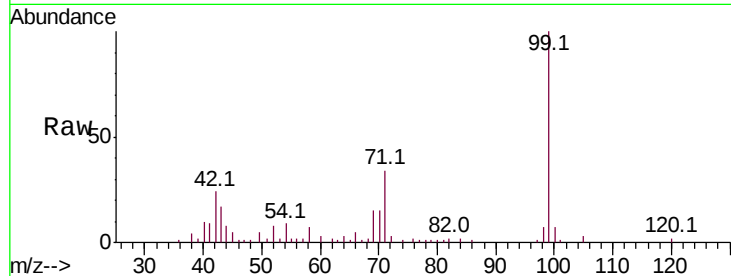
71 34.1 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

Tgt Ion: 136 Resp: 696293

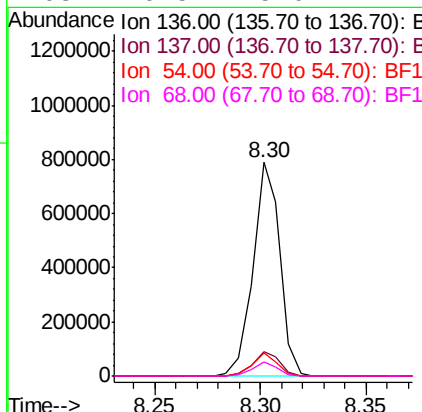
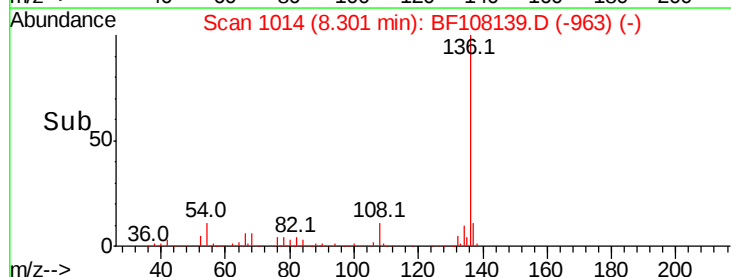
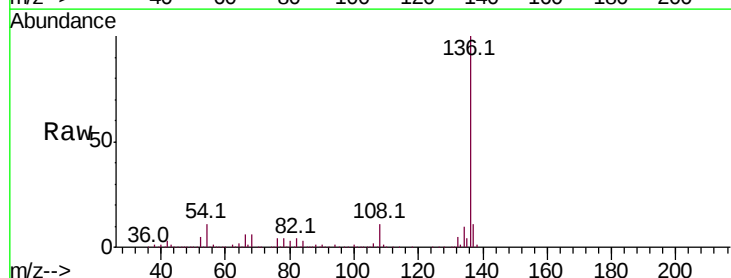
Ion Ratio Lower Upper

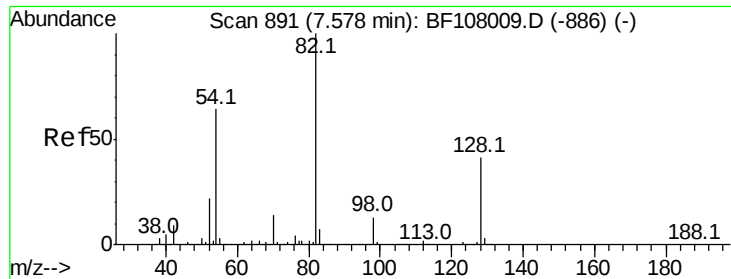
136 100

137 11.3 8.9 13.3

54 10.6 6.6 9.8#

68 6.5 5.0 7.4





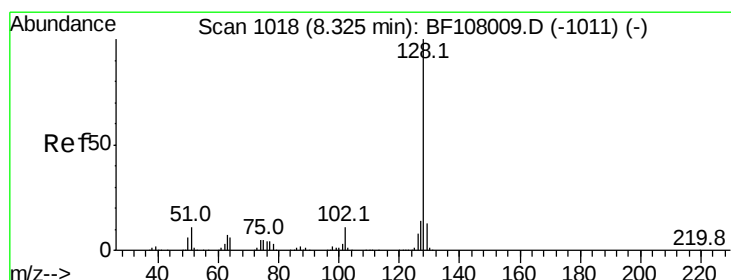
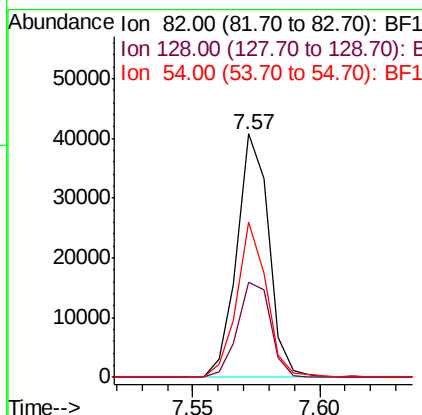
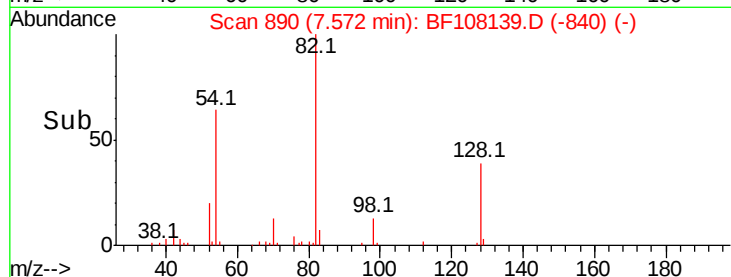
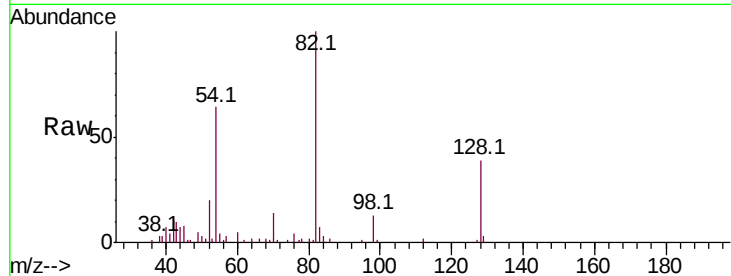
#23
 Nitrobenzene-d5
 Concen: 2.858 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108139.D
 Acq: 14 Aug 2018 12:45

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.2	36.1	54.1
54	63.6	41.4	62.2#

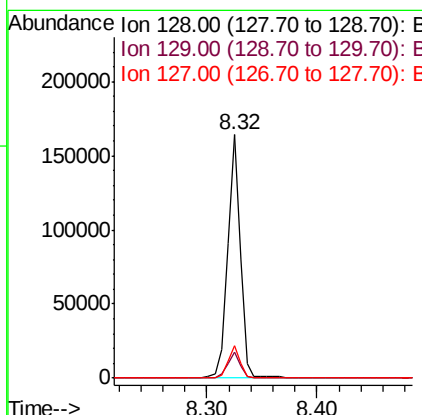
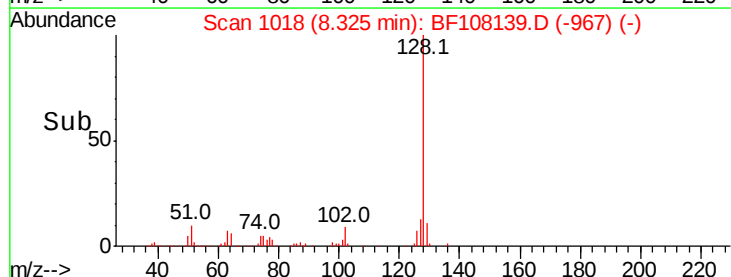
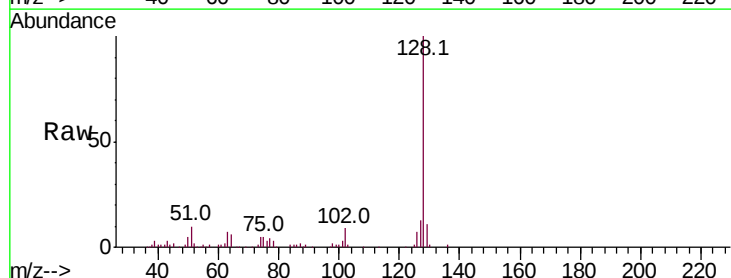
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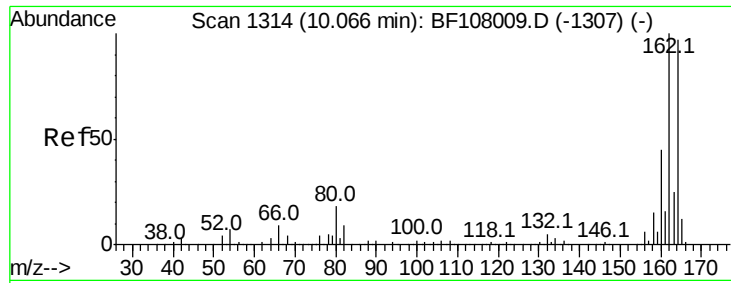
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#31
 Naphthalene
 Concen: 4.205 ng
 RT: 8.32 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: BF108139.D
 Acq: 14 Aug 2018 12:45

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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

Instrument :

BNA_F

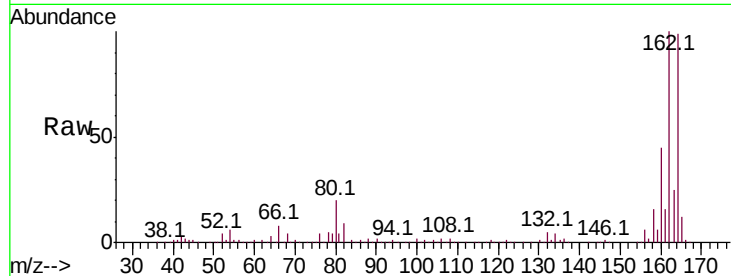
ClientSampleId :

2018-NYSEG-CLARK-AREA-12BDL

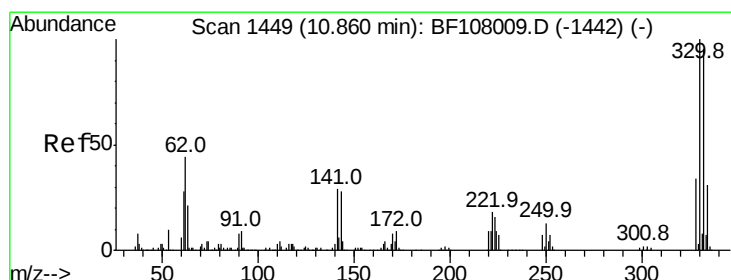
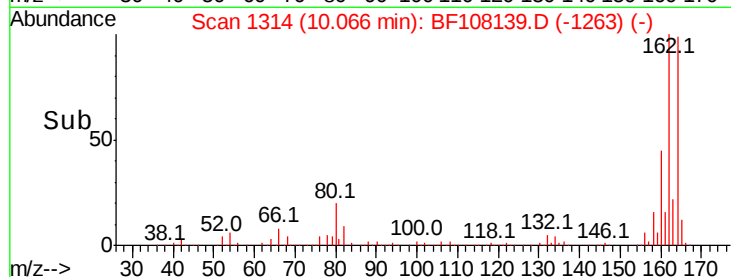
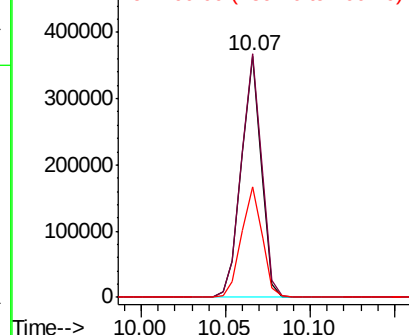
Tot Ion:	164	Resp:	297654
Ion Ratio	Lower	Upper	
164	100		
162	101.0	86.1	129.1
160	45.6	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 3.526 ng

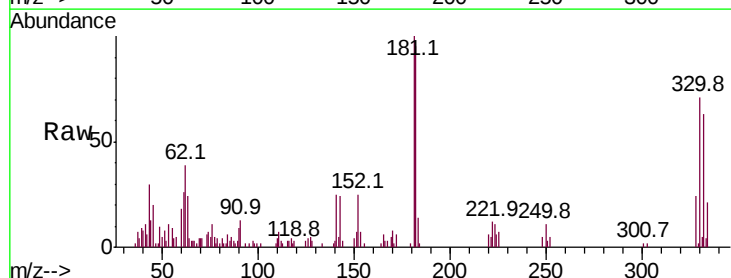
RT: 10.85 min Scan# 1448

Delta R.T. -0.01 min

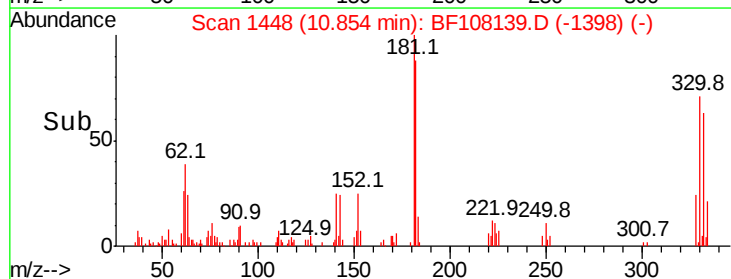
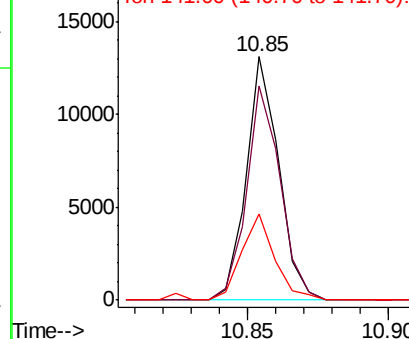
Lab File: BF108139.D

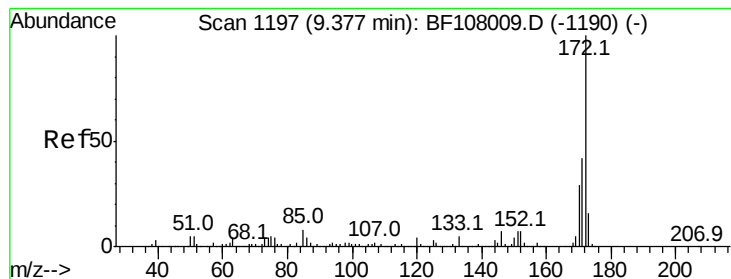
Acq: 14 Aug 2018 12:45

Tgt Ion:	330	Resp:	10468
Ion Ratio	Lower	Upper	
330	100		
332	91.0	77.0	115.6
141	36.1	29.9	44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





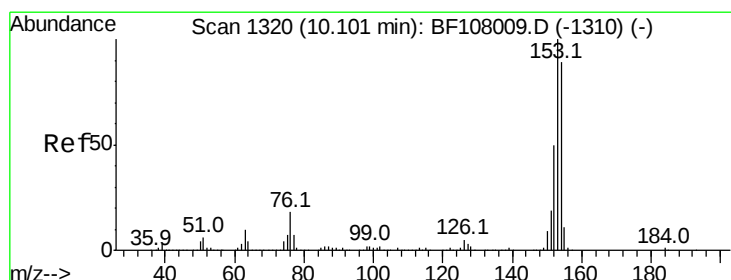
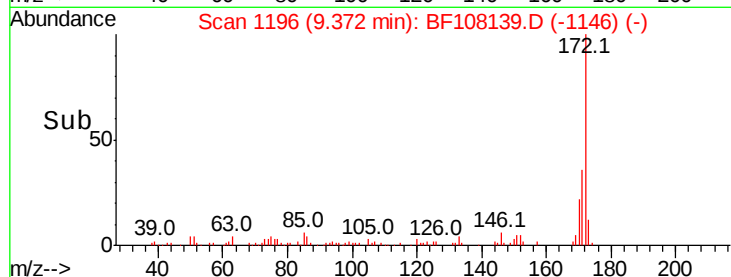
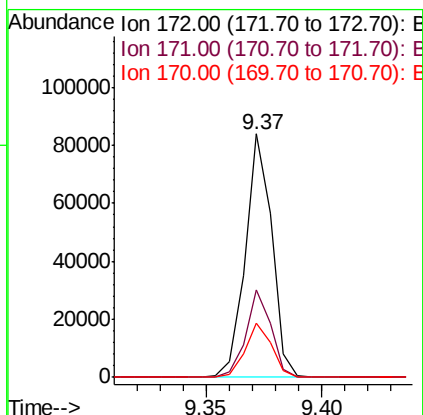
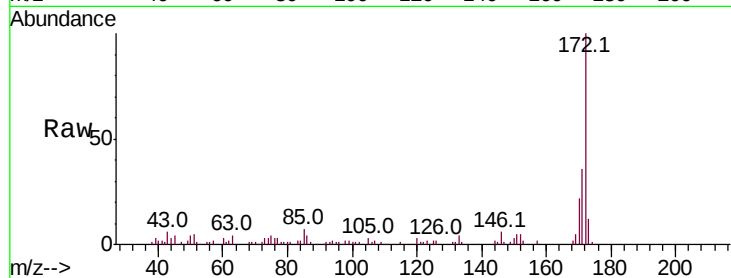
#44
2-Fluorobiphenyl
Concen: 3.636 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108139.D
Acq: 14 Aug 2018 12:45

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	22.3	19.6	29.4

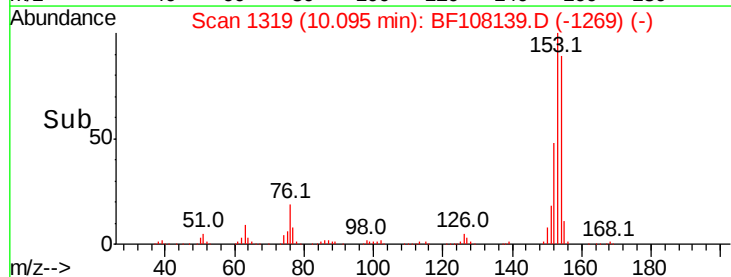
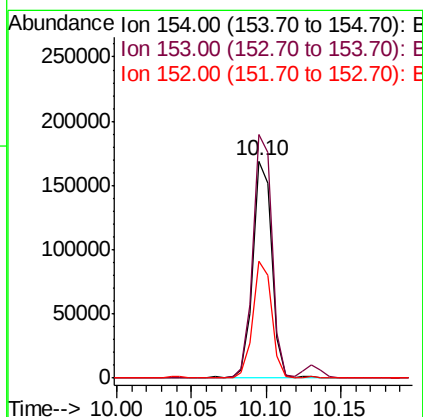
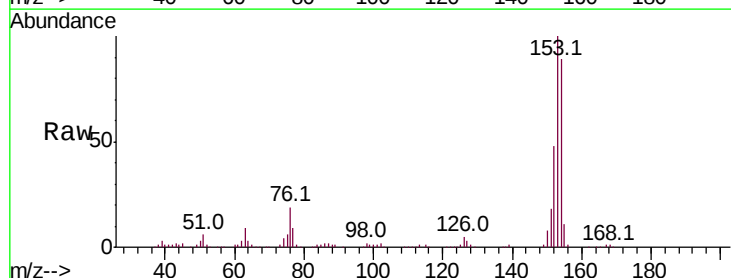
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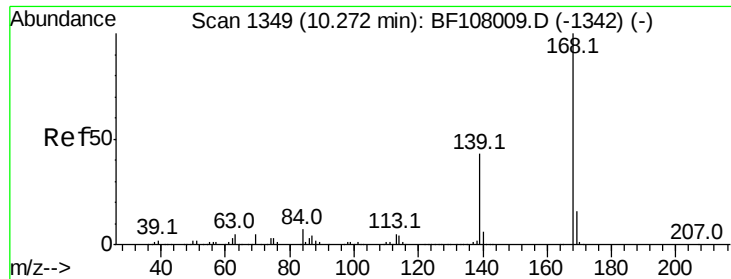
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#51
Acenaphthene
Concen: 8.801 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF108139.D
Acq: 14 Aug 2018 12:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.0	91.2	136.8
152	54.0	43.8	65.8





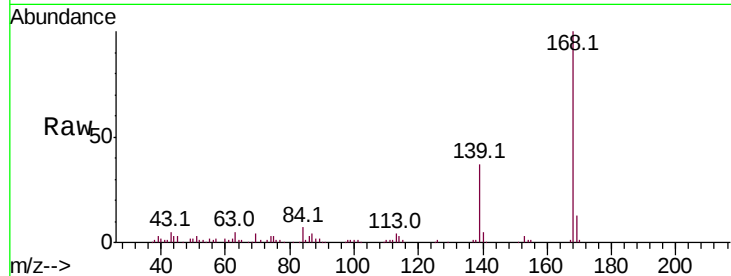
#54
Dibenzofuran
Concen: 3.576 ng
RT: 10.27 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BF108139.D
Acq: 14 Aug 2018 12:45

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

Tot Ion	Ratio	Resp	Lower	Upper
168	100	87010		
139	36.8		30.1	45.1
169	13.0		10.9	16.3

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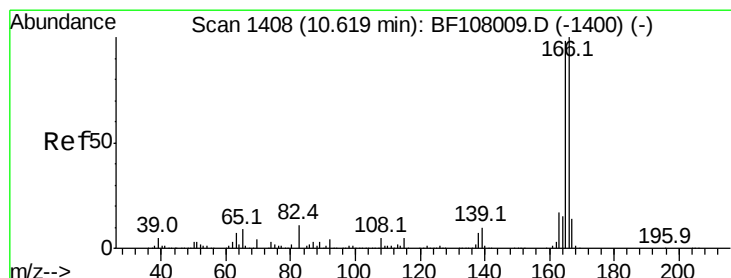
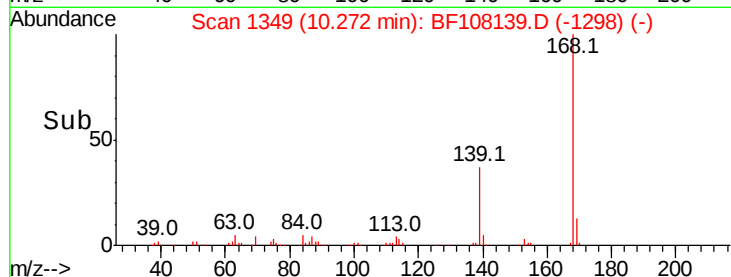
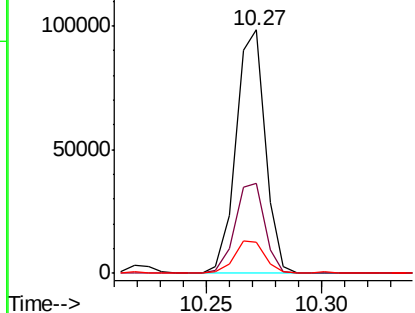


Abundance

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: 6.205 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF108139.D
Acq: 14 Aug 2018 12:45

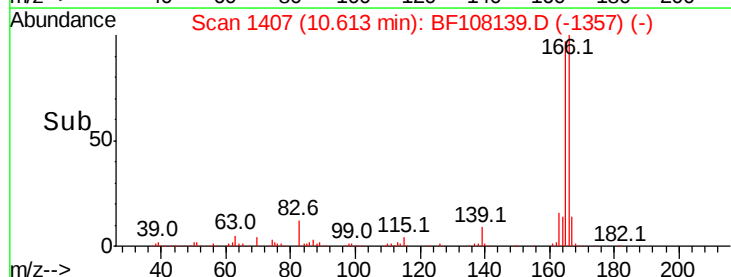
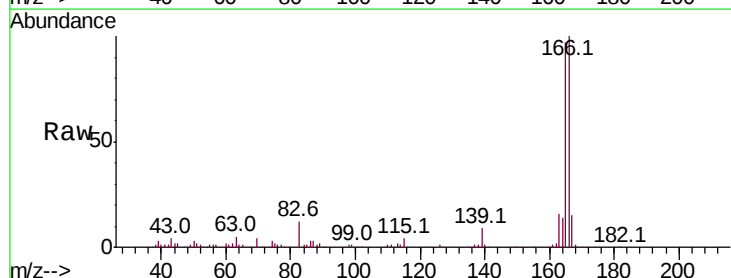
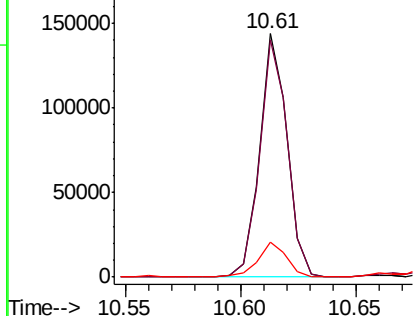
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	119518		
165	97.5		79.8	119.8
167	14.6		10.6	16.0

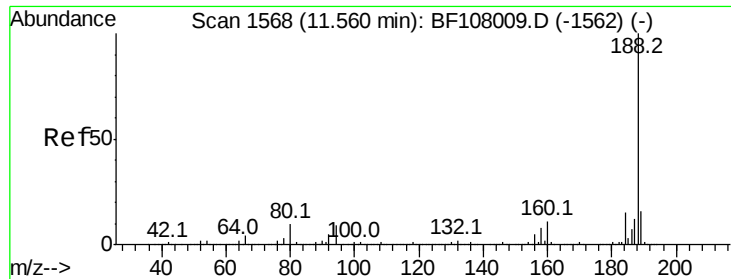
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.57 min Scan# 1569

Delta R.T. 0.01 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

Instrument :

BNA_F

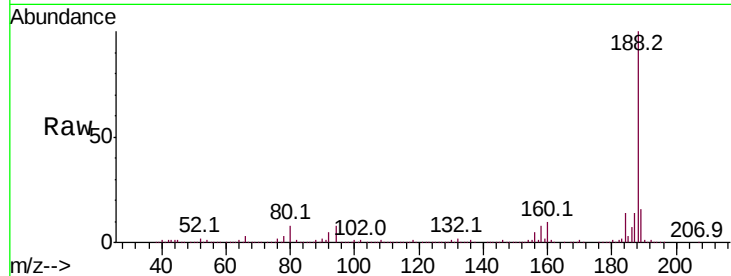
ClientSampleId :

2018-NYSEG-CLARK-AREA-12BDL

Tot Ion:	188	Resp:	519706
Ion Ratio	Lower	Upper	
188	100		
94	7.9	8.5	12.7#
80	8.3	9.2	13.8#

Manual Integrations
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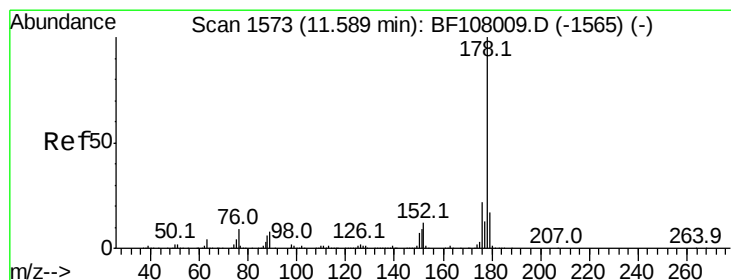
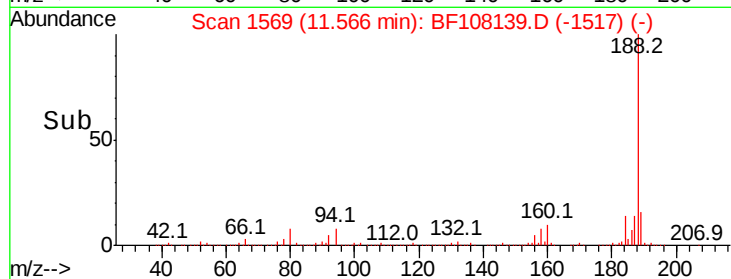
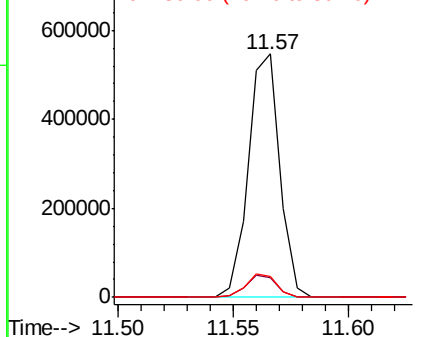
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 54.590 ng

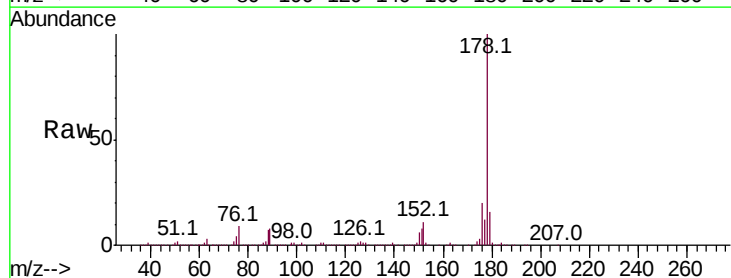
RT: 11.59 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

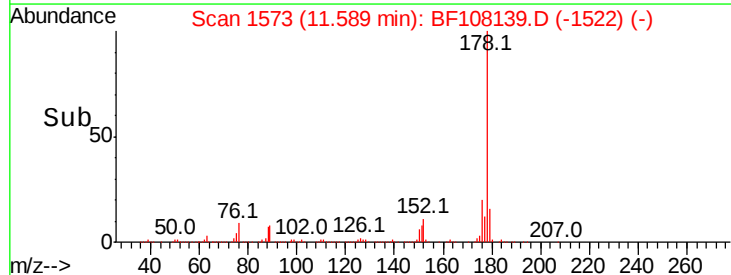
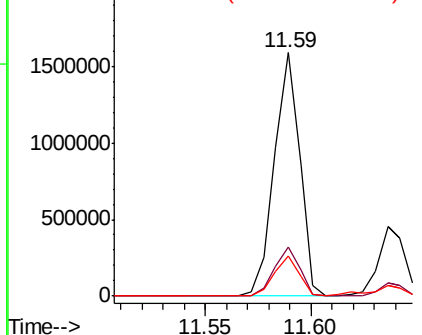
Tgt Ion:	178	Resp:	1338153
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.8	23.8
179	16.4	13.0	19.6

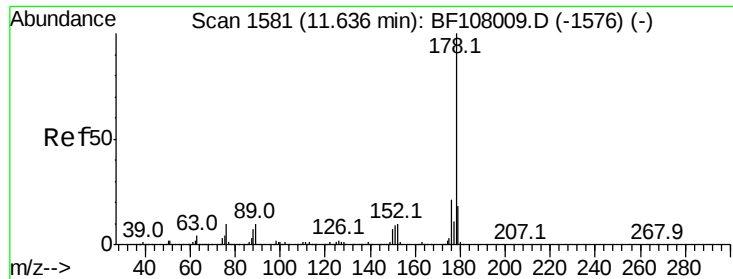


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





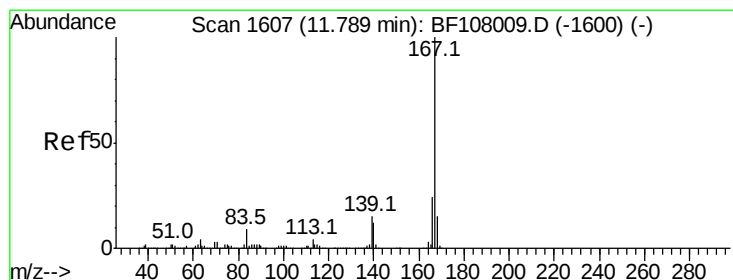
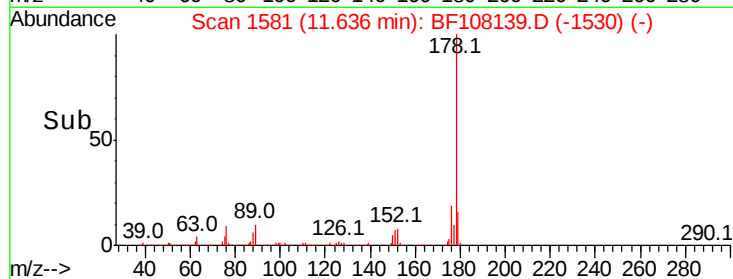
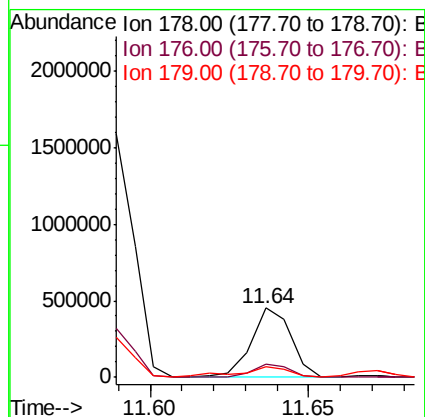
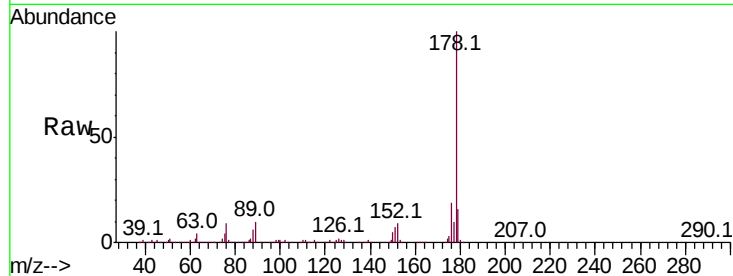
#71
 Anthracene
 Concen: 15.393 ng
 RT: 11.64 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF108139.D
 Acq: 14 Aug 2018 12:45

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.2	12.6	19.0

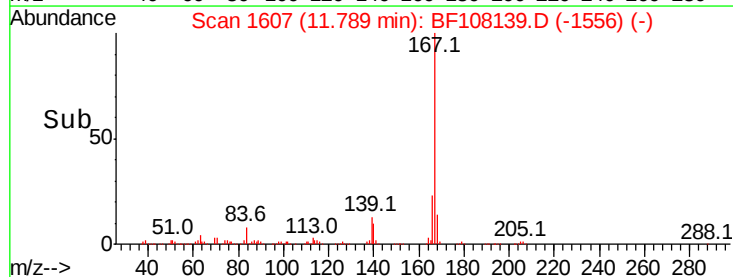
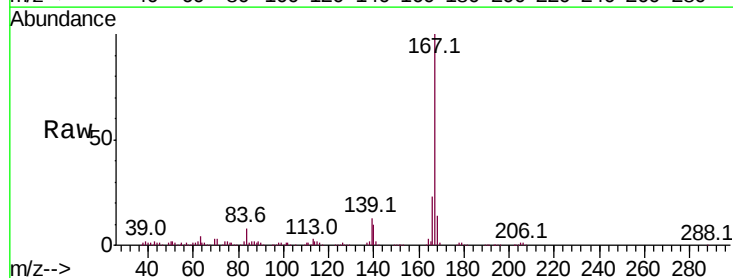
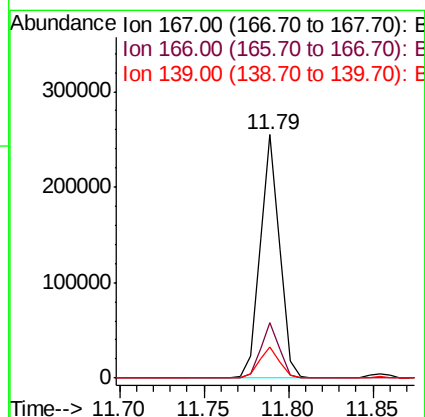
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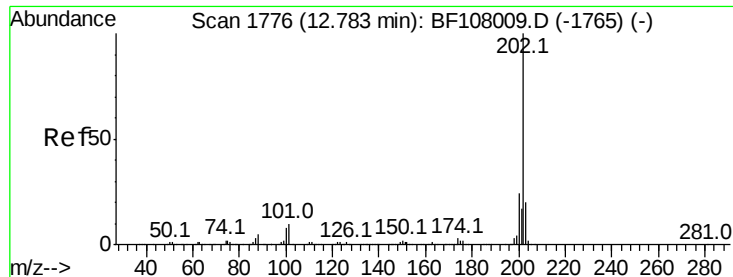
Sohil
 8/15/2018 3:38:24 PM



#72
 Carbazole
 Concen: 9.284 ng
 RT: 11.79 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: BF108139.D
 Acq: 14 Aug 2018 12:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	12.7	10.9	16.3





#74

Fluoranthene

Concen: 60.240 ng

RT: 12.79 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

Instrument :

BNA_F

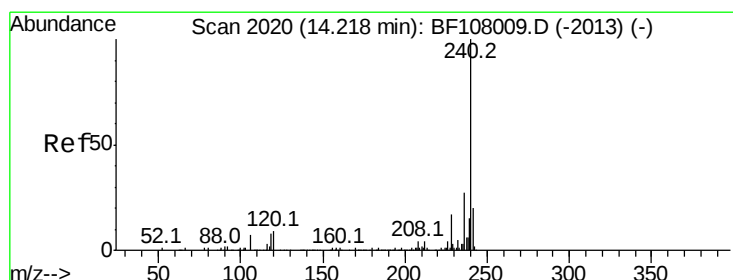
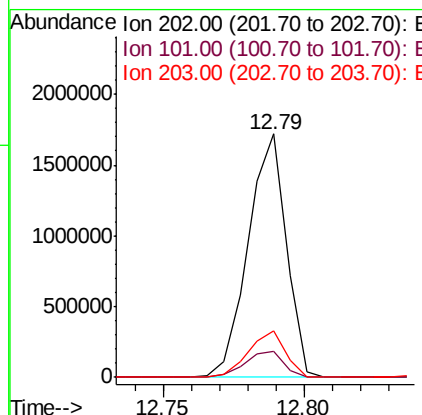
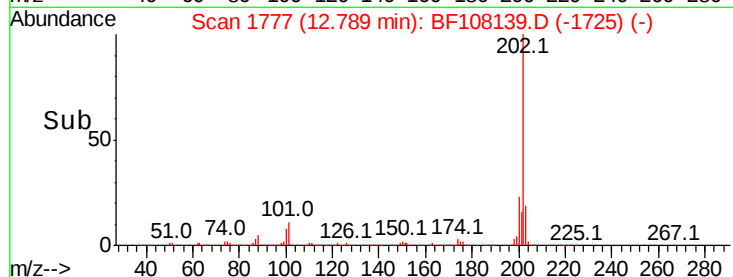
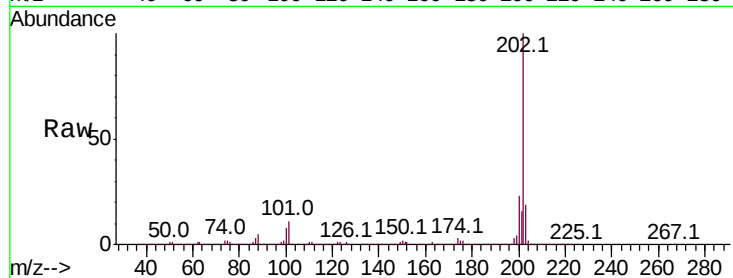
ClientSampleId :

2018-NYSEG-CLARK-AREA-12BDL

Tot Ion:	202	Resp:	1611581
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	34.1
203	18.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

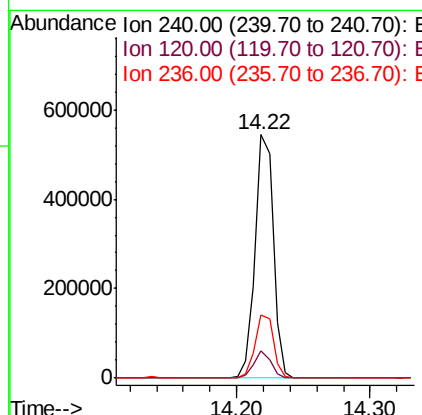
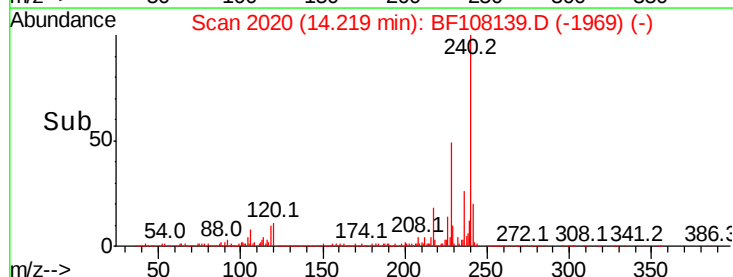
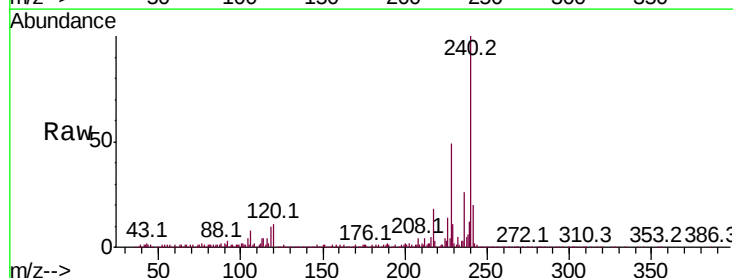
RT: 14.22 min Scan# 2020

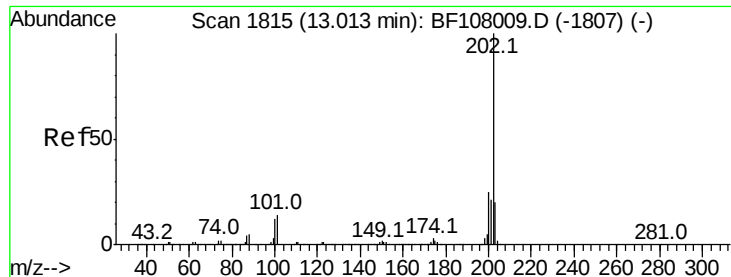
Delta R.T. 0.00 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

Tgt Ion:	240	Resp:	505652
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.5	14.3
236	26.2	20.7	31.1





#77

Pvrene

Concen: 44.138 ng

RT: 13.02 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

Instrument :

BNA_F

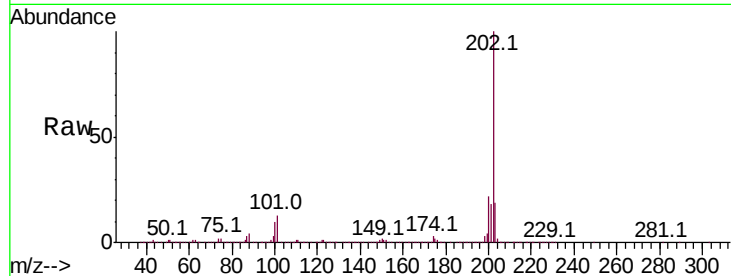
ClientSampleId :

2018-NYSEG-CLARK-AREA-12BDL

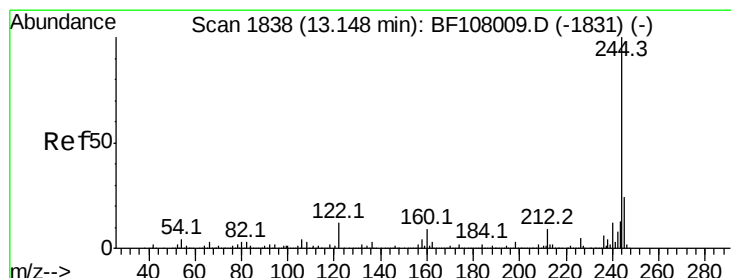
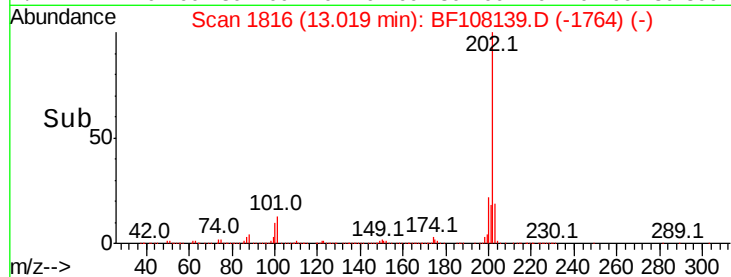
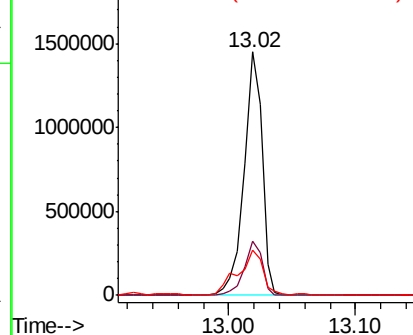
Tot Ion:	202	Resp:	1412993
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.7	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 3.356 ng

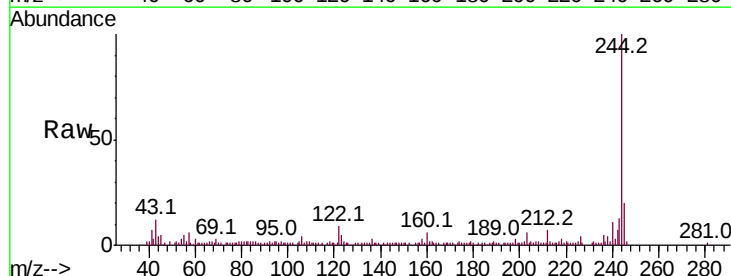
RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

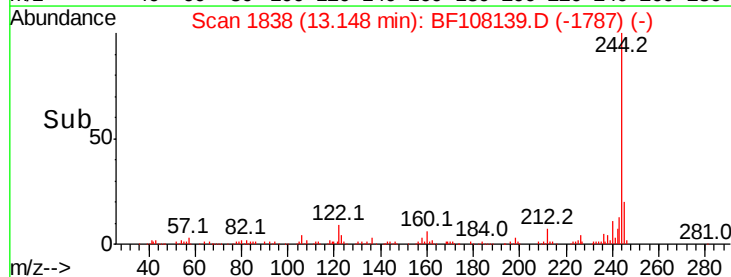
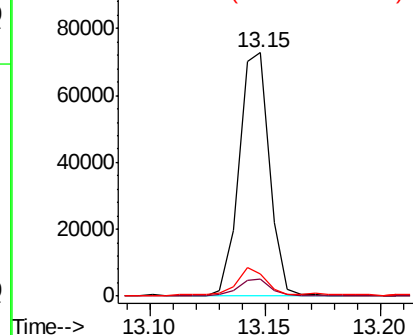
Lab File: BF108139.D

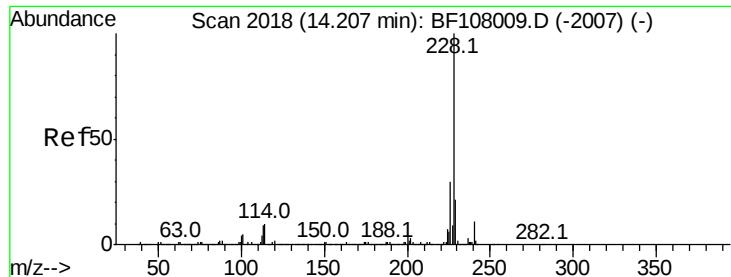
Acq: 14 Aug 2018 12:45

Tgt Ion:	244	Resp:	66737
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	9.3	11.0	16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
100000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





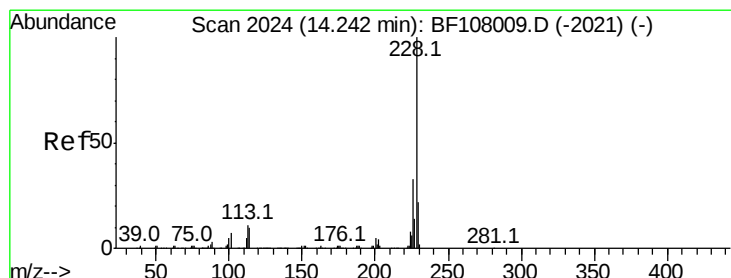
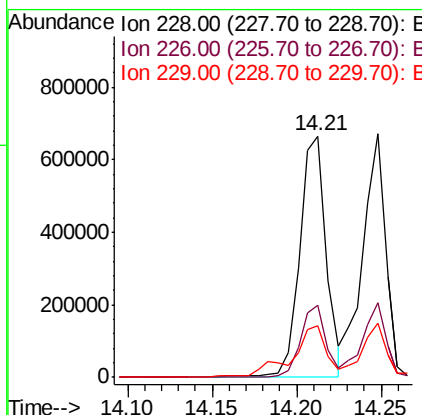
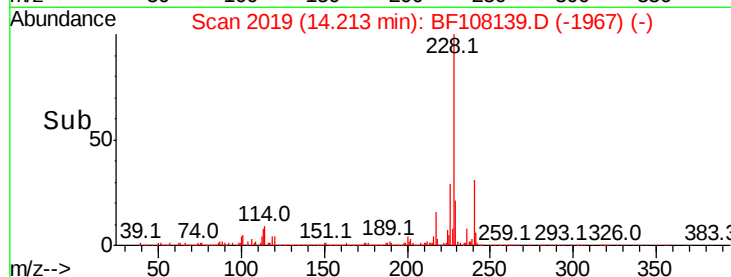
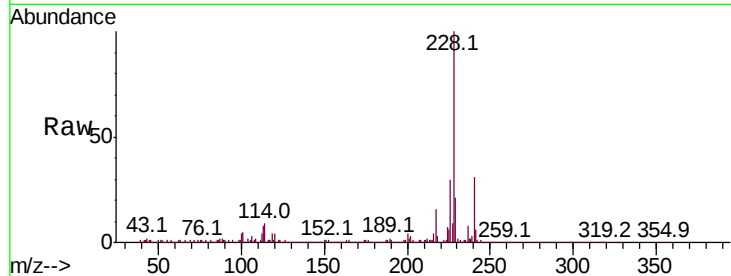
#80
Benzo(a)anthracene
Concen: 24.776 ng
RT: 14.21 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF108139.D
Acq: 14 Aug 2018 12:45

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.3	15.8	23.6

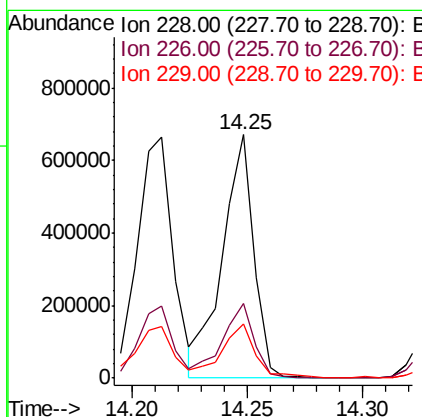
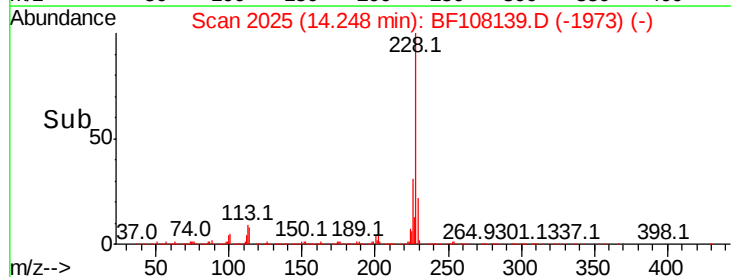
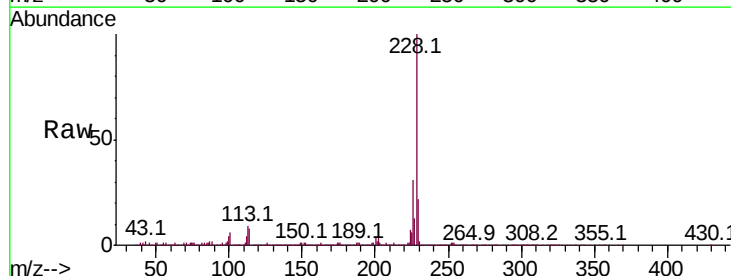
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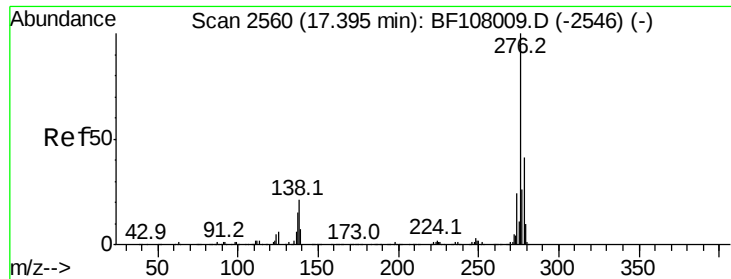
Sohil
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#82
Chrysene
Concen: 23.750 ng
RT: 14.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF108139.D
Acq: 14 Aug 2018 12:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.1	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.081 ng

RT: 17.40 min Scan# 2561

Delta R.T. 0.01 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

Instrument :

BNA_F

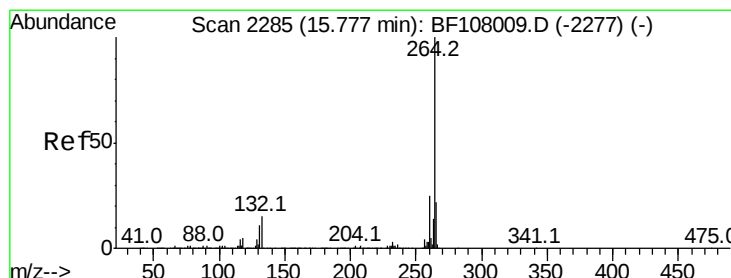
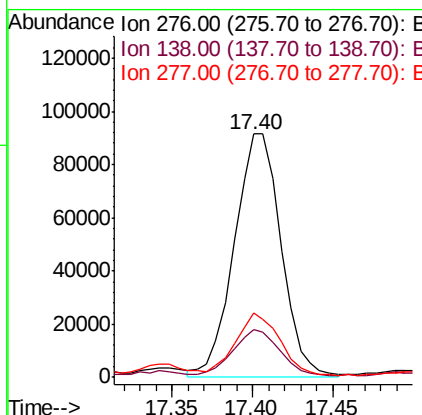
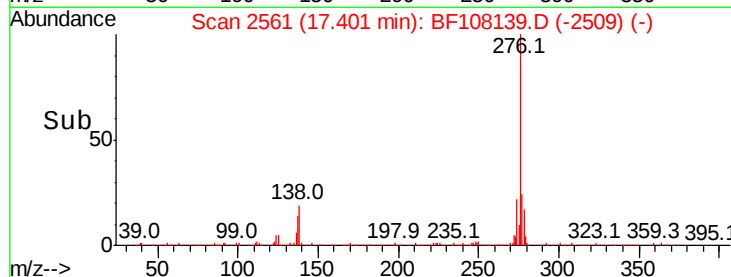
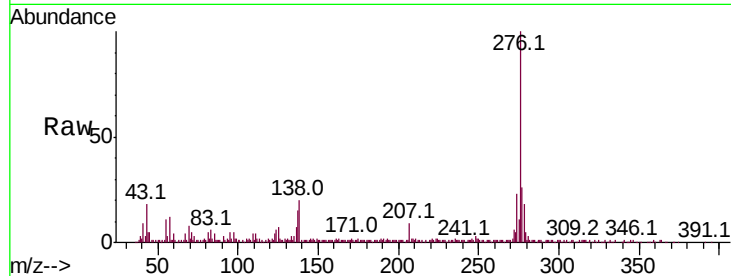
ClientSampleId :

2018-NYSEG-CLARK-AREA-12BDL

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	4.7	25.0	37.6#	
277	5.2	20.1	30.1#	

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#86

Perylene-d12

Concen: 20.000 ng

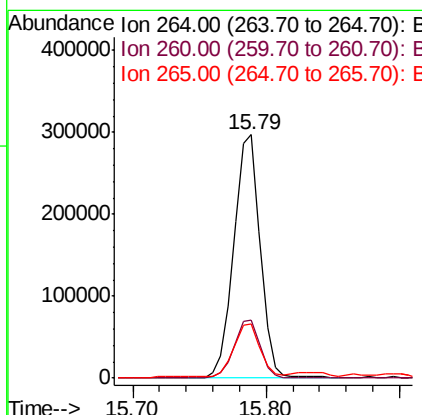
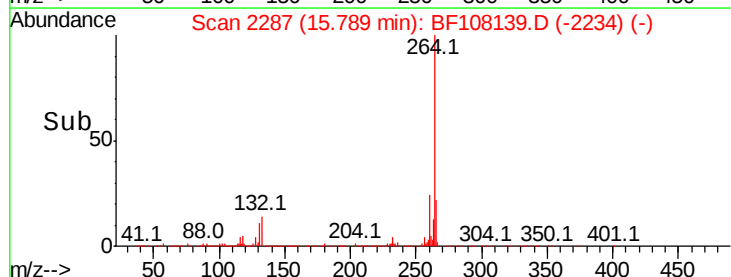
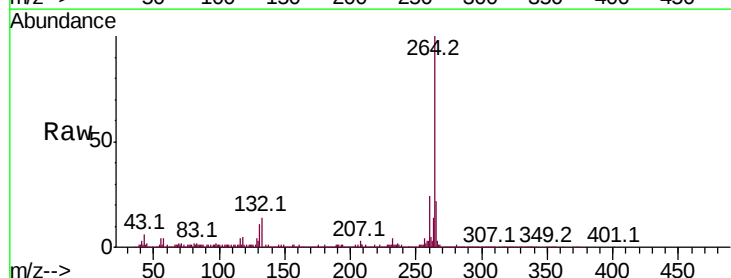
RT: 15.79 min Scan# 2287

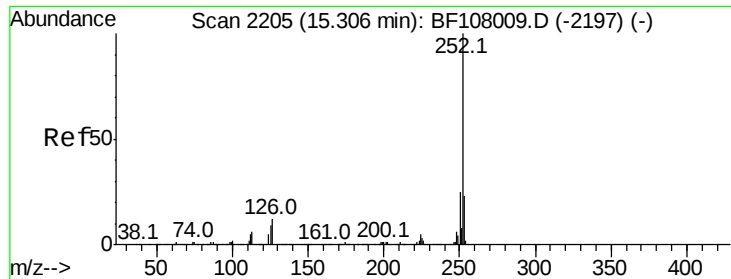
Delta R.T. 0.01 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.0	19.2	28.8	
265	22.0	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 27.165 ng m

RT: 15.31 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

Instrument :

BNA_F

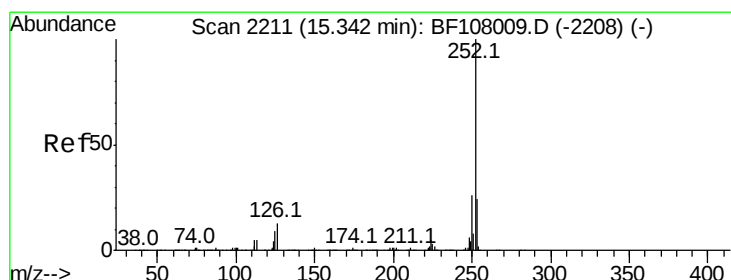
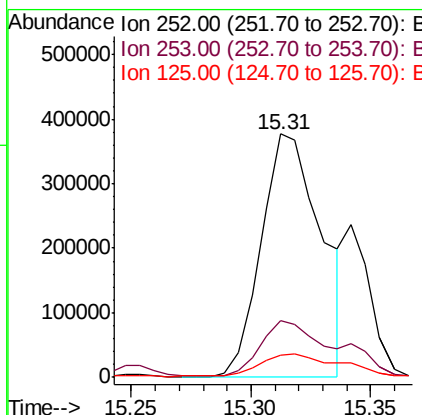
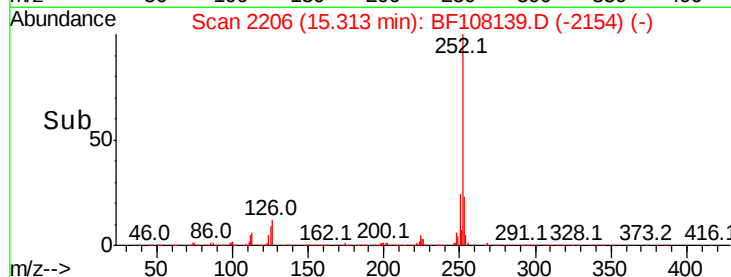
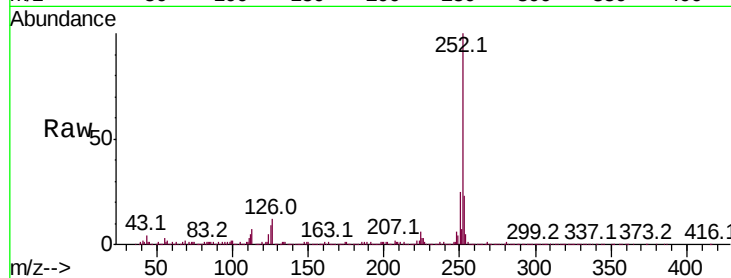
ClientSampleId :

2018-NYSEG-CLARK-AREA-12BDL

Tot Ion:252	Resp:	658903
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.0 25.6
125	9.3	9.0 13.6

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#88

Benzo(k)fluoranthene

Concen: 7.805 ng m

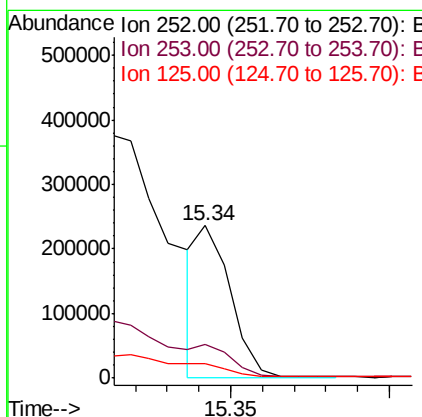
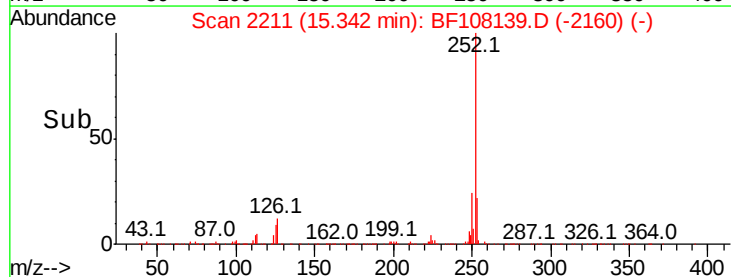
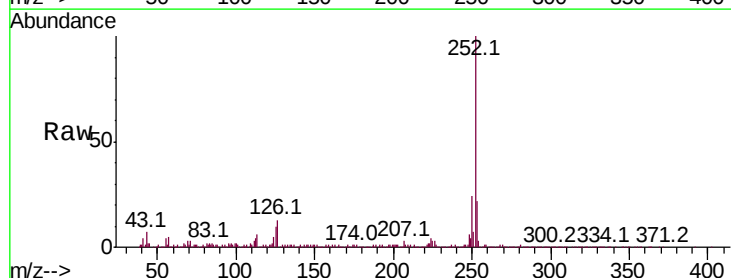
RT: 15.34 min Scan# 2211

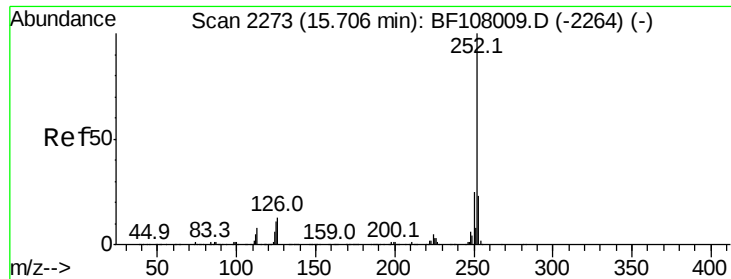
Delta R.T. 0.00 min

Lab File: BF108139.D

Acq: 14 Aug 2018 12:45

Tgt Ion:252	Resp:	174029
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.9 26.9
125	9.7	10.2 15.2#





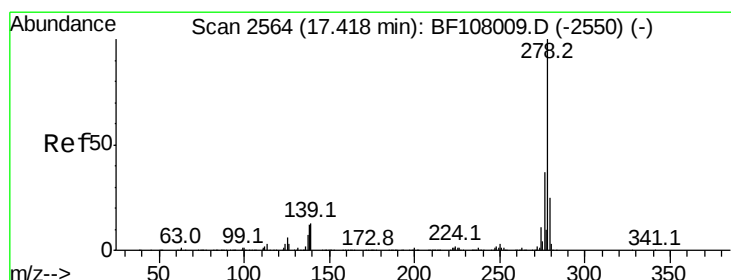
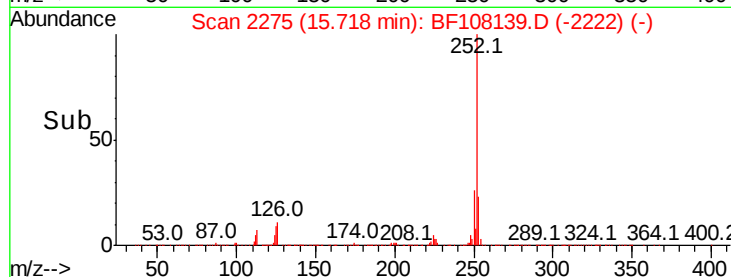
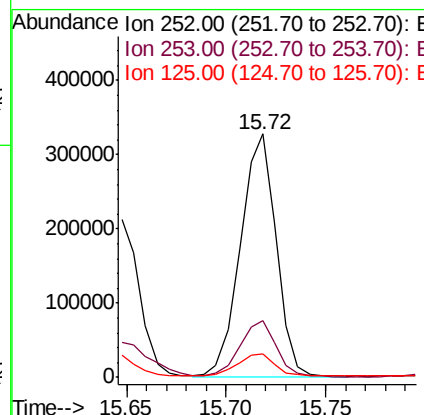
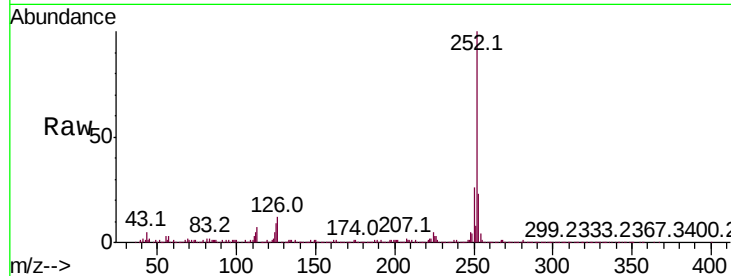
#89
Benzo(a)pyrene
Concen: 19.136 ng m
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF108139.D
Acq: 14 Aug 2018 12:45

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	9.5	9.8	14.6

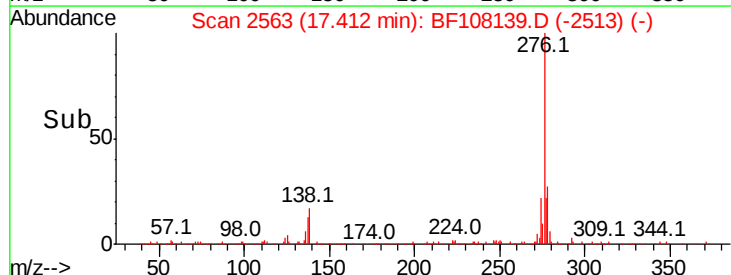
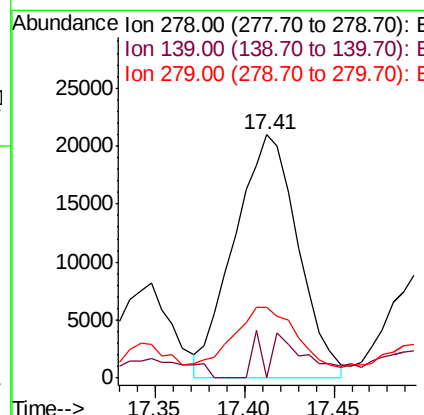
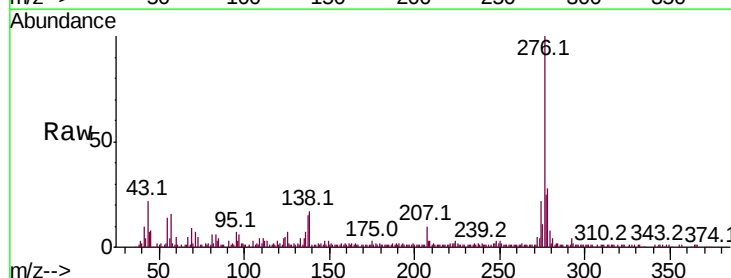
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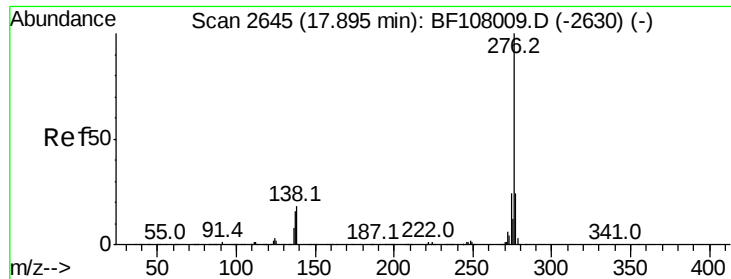
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.890 ng m
RT: 17.41 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BF108139.D
Acq: 14 Aug 2018 12:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	29.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 9.163 ng
 RT: 17.90 min Scan# 2646
 Delta R.T. 0.01 min
 Lab File: BF108139.D
 Acq: 14 Aug 2018 12:45

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	19.4	21.8	32.8#

Manual Integrations
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