

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108086.D
 Acq On : 10 Aug 2018 16:16
 Operator : JU/SJ
 Sample : J4409-07 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-10D

Manual Integrations
 APPROVED

Sohil

8/13/2018 3:52:50 PM

Quant Time: Aug 10 17:46:20 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	310871	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1168278	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	569547	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	940686	20.00	ng	0.00
75) Chrysene-d12	14.22	240	626490	20.00	ng	0.00
86) Perylene-d12	15.79	264	680184	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	306984	17.88	ng	0.00
7) Phenol-d6	6.62	99	412985	18.10	ng	-0.01
23) Nitrobenzene-d5	7.57	82	263130	12.57	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	81975	14.43	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	496923	14.01	ng	0.00
78) Terphenyl-d14	13.15	244	364444	14.79	ng	0.00
Target Compounds						
48) Acenaphthylene	9.92	152	184558	3.517	ng	99
51) Acenaphthene	10.09	154	304483	9.474	ng	99
57) Fluorene	10.61	166	308586	8.372	ng	99
70) Phenanthrene	11.59	178	2522192	56.846	ng	95
71) Anthracene	11.64	178	966687	21.258	ng	99
74) Fluoranthene	12.79	202	2119789	43.776	ng	95
77) Pyrene	13.02	202	2579469	65.034	ng	95
80) Benzo(a)anthracene	14.21	228	1093281m	30.408	ng	
82) Chrysene	14.25	228	875051	26.547	ng	100
85) Indeno(1,2,3-cd)pyrene	17.40	276	369807	12.948	ng	# 88
87) Benzo(b)fluoranthene	15.32	252	1034049m	25.442	ng	
88) Benzo(k)fluoranthene	15.34	252	266475m	7.132	ng	
89) Benzo(a)pyrene	15.72	252	1004591	27.602	ng	97
90) Dibenzo(a,h)anthracene	17.42	278	89226	2.963	ng	95
91) Benzo(g,h,i)perylene	17.90	276	359724	12.131	ng	# 89

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

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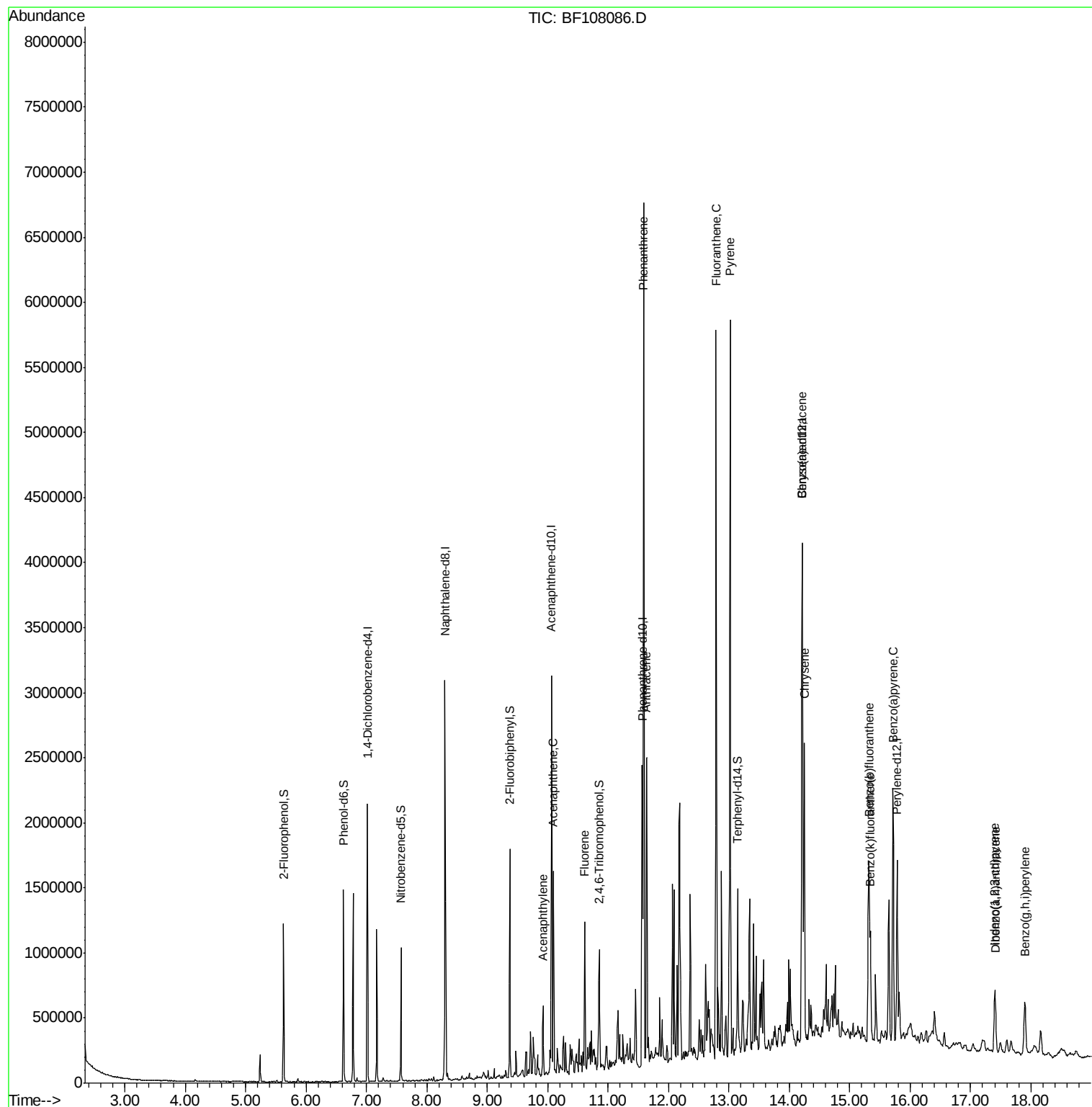
Instrument :
BNA_F
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2018-NYSEG-CLARK-AREA-10D

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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: BF108086.D
Acq: 10 Aug 2018 16:16

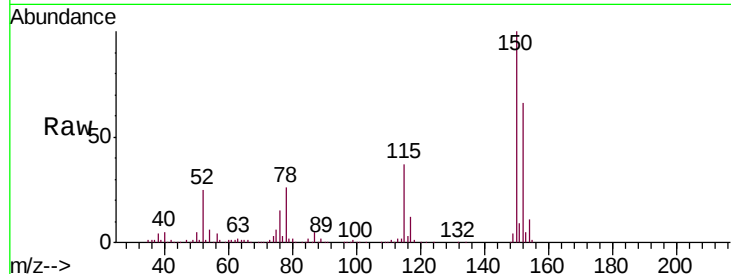
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-10D

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	310871		
150	151.7	124.6	186.8	
115	56.3	50.1	75.1	

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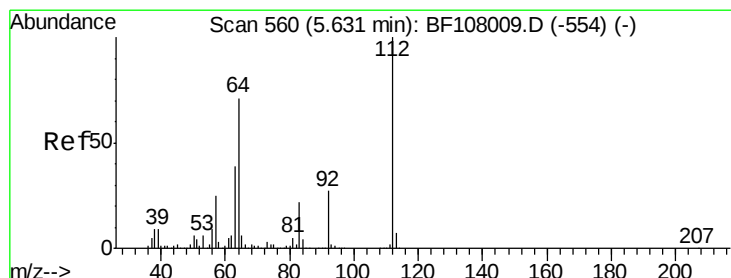
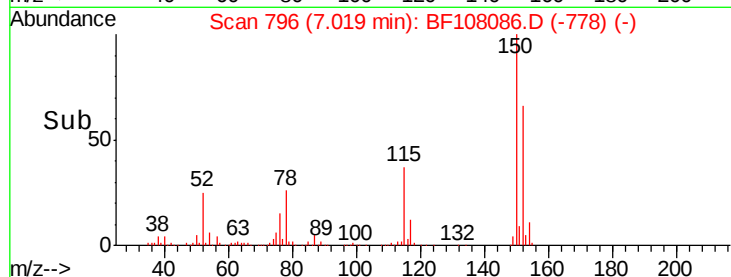
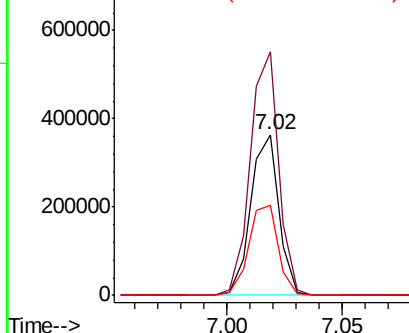


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

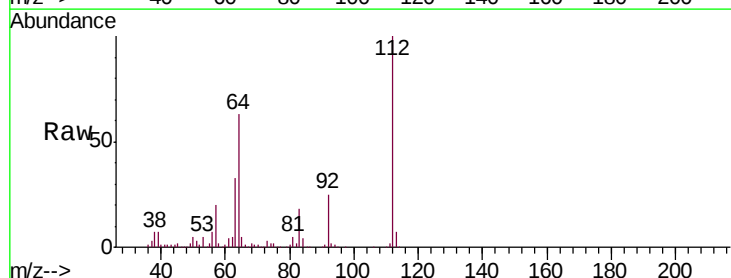
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.878 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108086.D
Acq: 10 Aug 2018 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	306984		
64	62.6	47.9	71.9	
63	33.0	23.7	35.5	

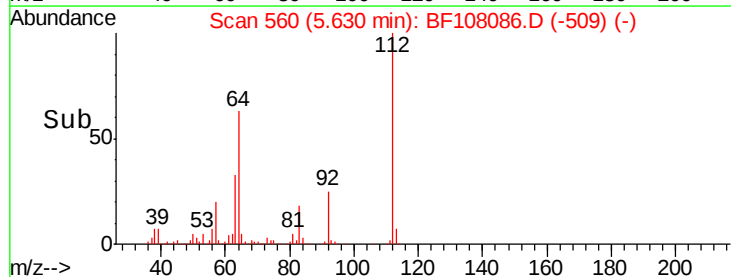
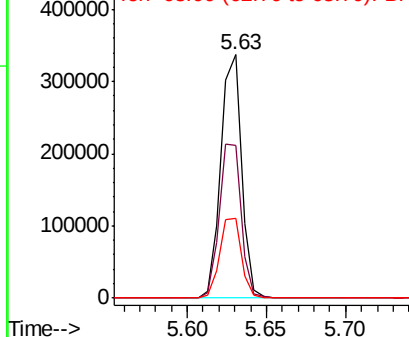


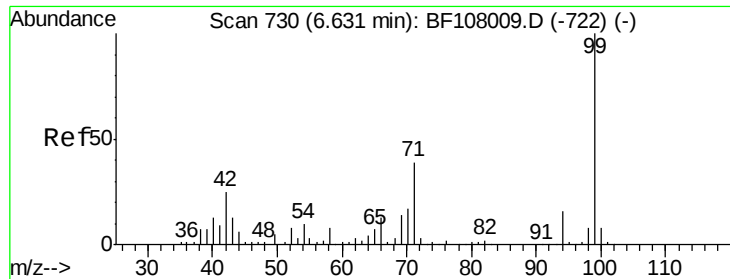
Abundance

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: 18.099 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108086.D

Acq: 10 Aug 2018 16:16

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-10D

Tgt Ion: 99 Resp: 412985

Ion Ratio Lower Upper

99 100

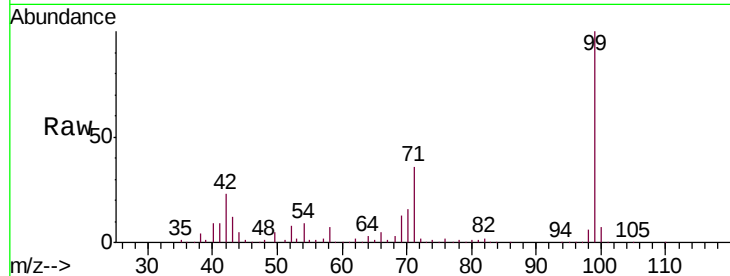
42 22.7 14.5 21.7#

71 35.7 25.4 38.0

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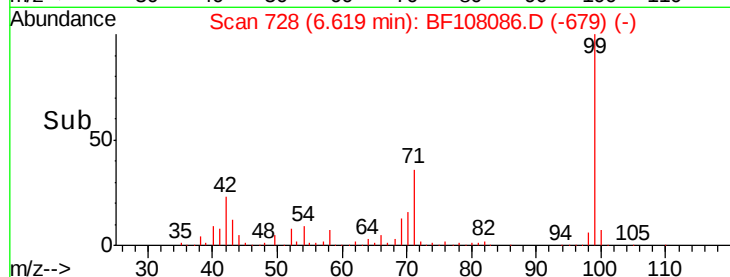
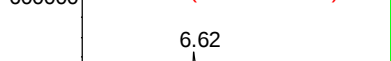
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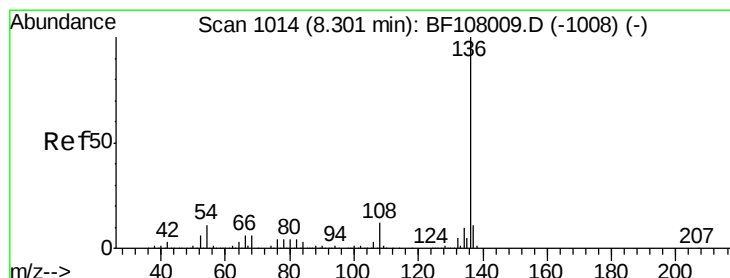
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108086.D

Acq: 10 Aug 2018 16:16

Tgt Ion: 136 Resp: 1168278

Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.7 6.6 9.8#

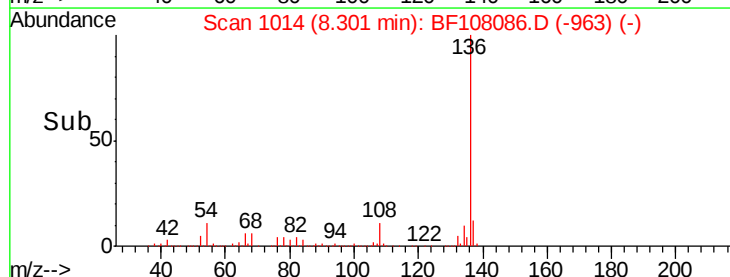
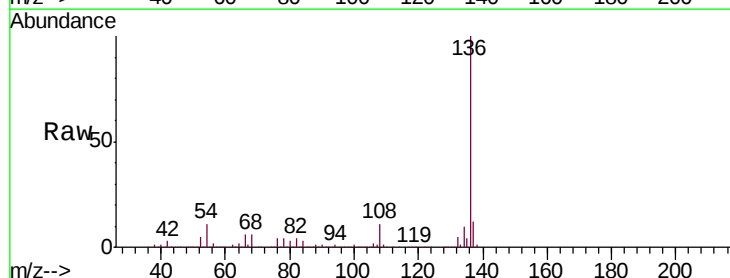
68 6.4 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E

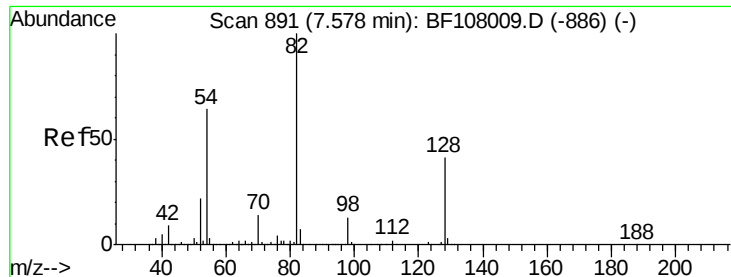
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 12.568 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF108086.D

Acq: 10 Aug 2018 16:16

Instrument :

BNA_F

ClientSampleId :

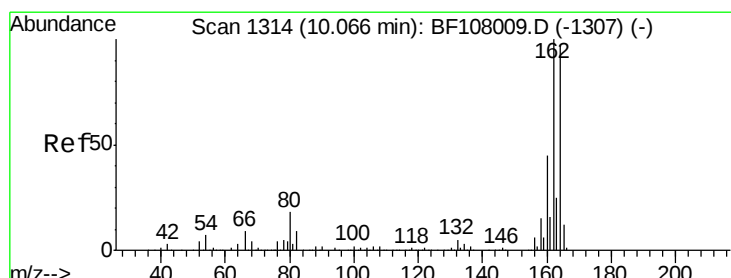
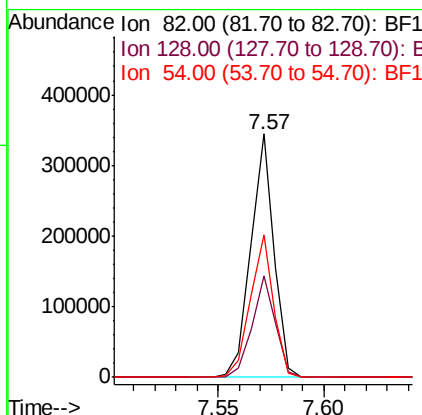
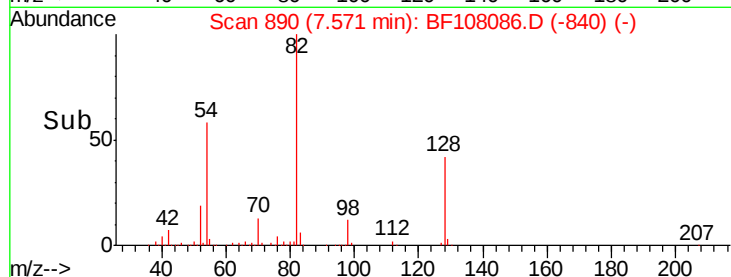
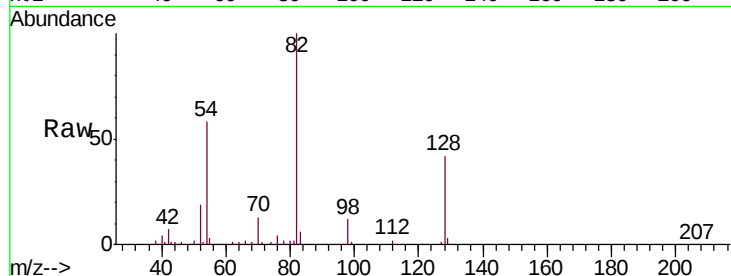
2018-NYSEG-CLARK-AREA-10D

Tgt Ion:	82	Resp:	263130
Ion Ratio	Lower	Upper	
82	100		
128	41.7	36.1	54.1
54	58.3	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

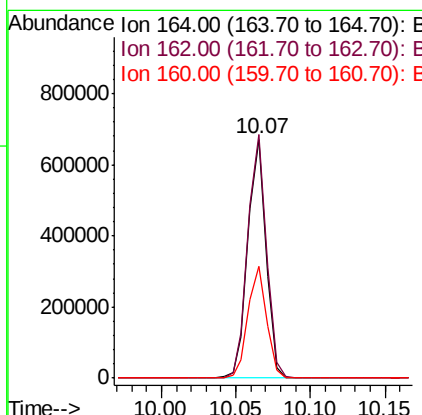
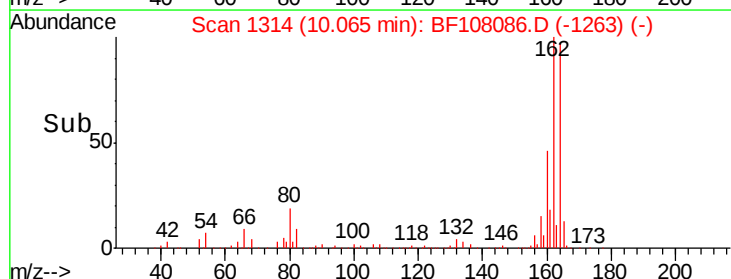
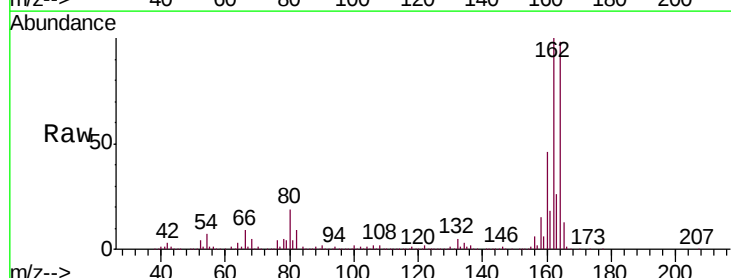
RT: 10.07 min Scan# 1314

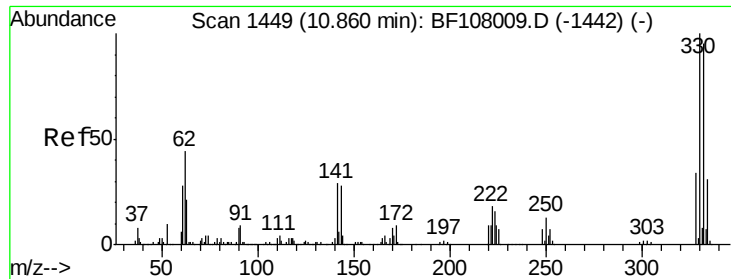
Delta R.T. -0.00 min

Lab File: BF108086.D

Acq: 10 Aug 2018 16:16

Tgt Ion:	164	Resp:	569547
Ion Ratio	Lower	Upper	
164	100		
162	101.8	86.1	129.1
160	46.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 14.429 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF108086.D

Acq: 10 Aug 2018 16:16

Instrument :

BNA_F

ClientSampleId :

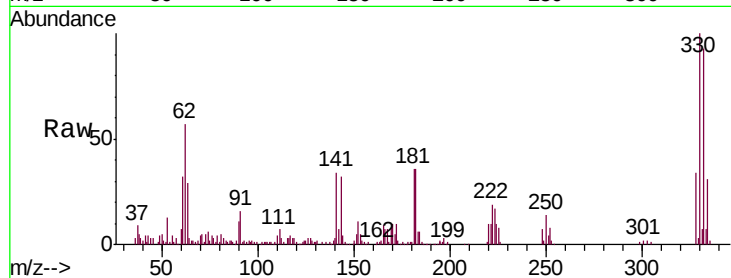
2018-NYSEG-CLARK-AREA-10D

Tgt Ion:	330	Resp:	81975
Ion Ratio	Lower	Upper	
330	100		
332	97.6	77.0	115.6
141	36.2	29.9	44.9

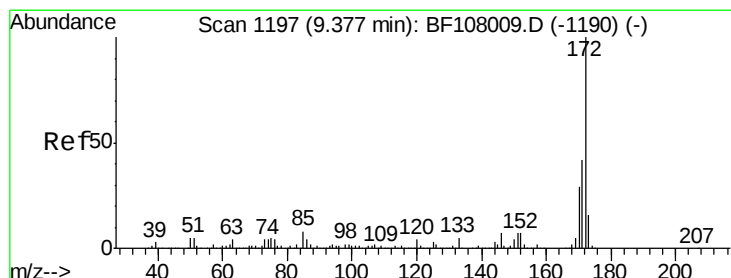
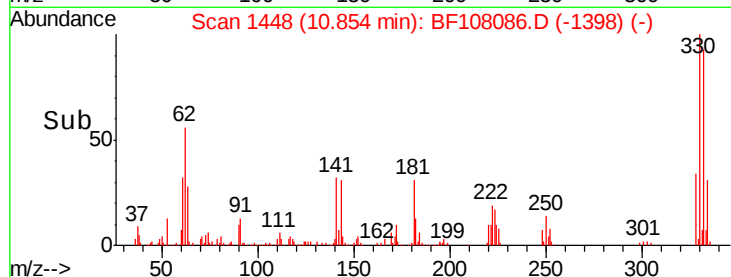
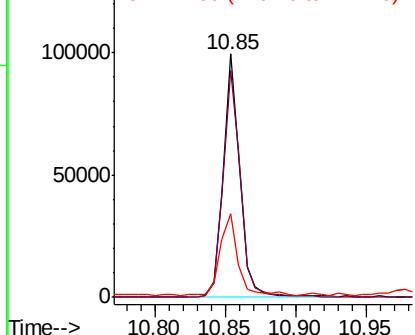
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 14.008 ng

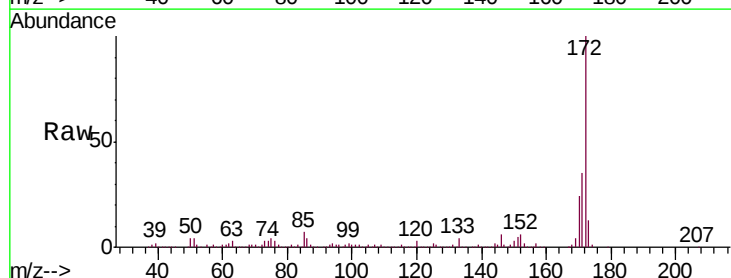
RT: 9.37 min Scan# 1196

Delta R.T. -0.01 min

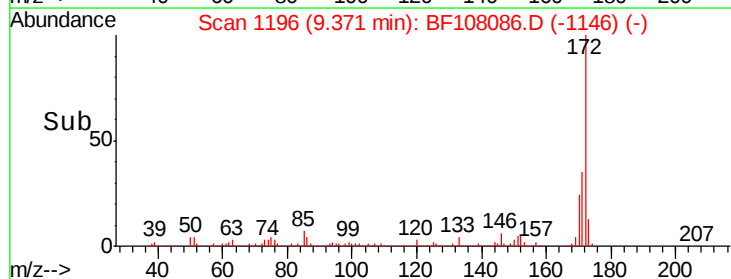
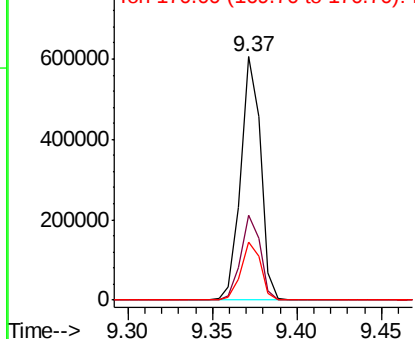
Lab File: BF108086.D

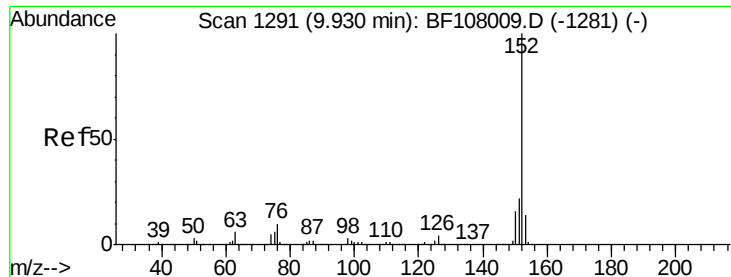
Acq: 10 Aug 2018 16:16

Tgt Ion:	172	Resp:	496923
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.7	44.5
170	23.6	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 3.517 ng

RT: 9.92 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF108086.D

Acq: 10 Aug 2018 16:16

Instrument :

BNA_F

ClientSampleId :

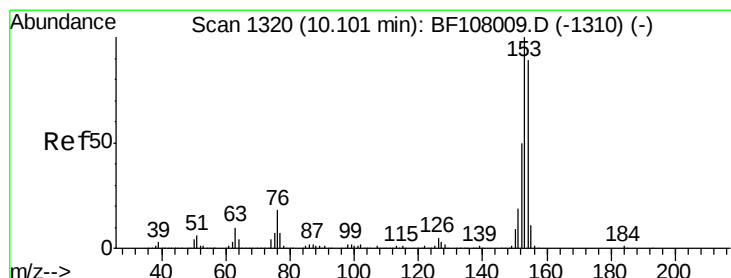
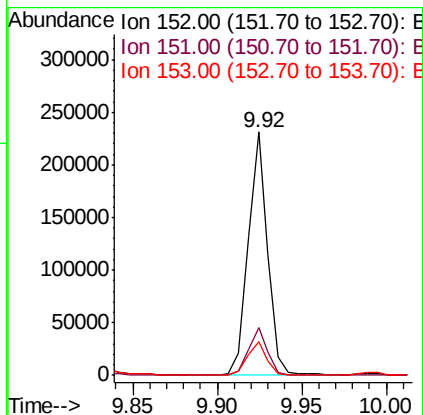
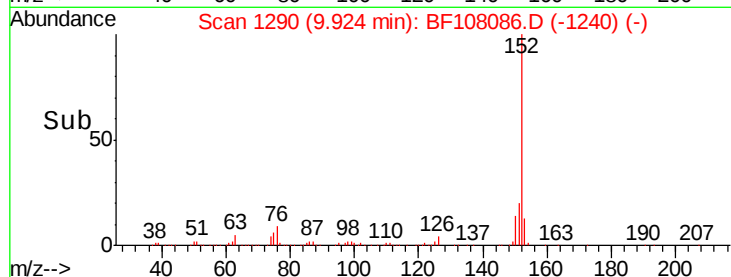
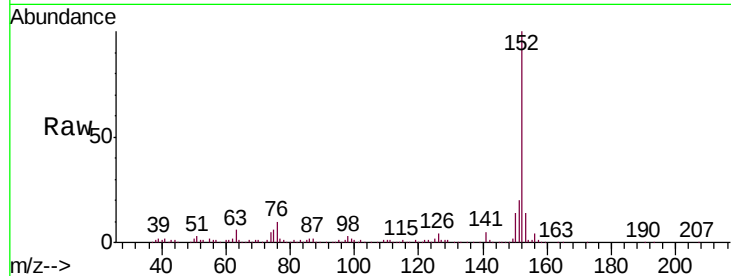
2018-NYSEG-CLARK-AREA-10D

Tgt Ion:	152	Resp:	184558
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.3	24.5
153	14.0	10.7	16.1

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#51

Acenaphthene

Concen: 9.474 ng

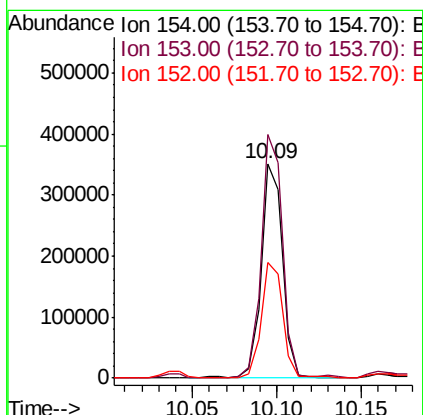
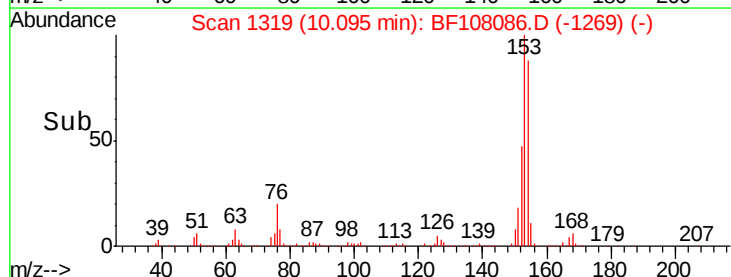
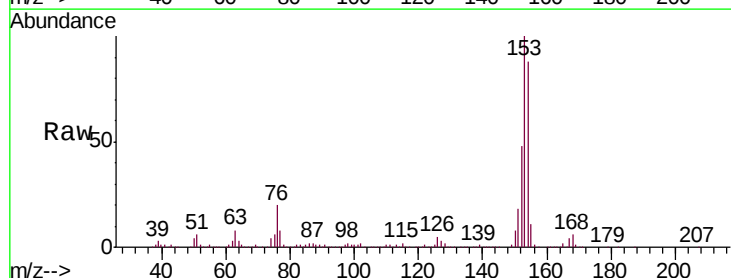
RT: 10.09 min Scan# 1319

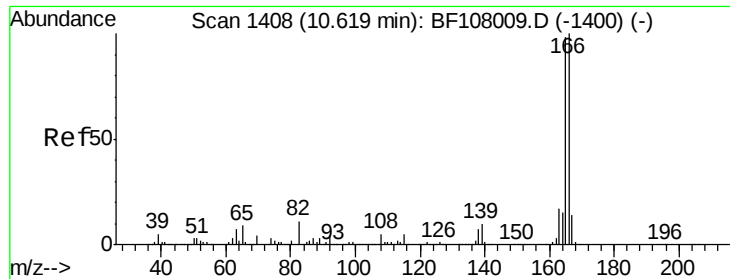
Delta R.T. -0.01 min

Lab File: BF108086.D

Acq: 10 Aug 2018 16:16

Tgt Ion:	154	Resp:	304483
Ion Ratio	Lower	Upper	
154	100		
153	113.6	91.2	136.8
152	54.0	43.8	65.8





#57
 Fluorene
 Concen: 8.372 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108086.D
 Acq: 10 Aug 2018 16:16

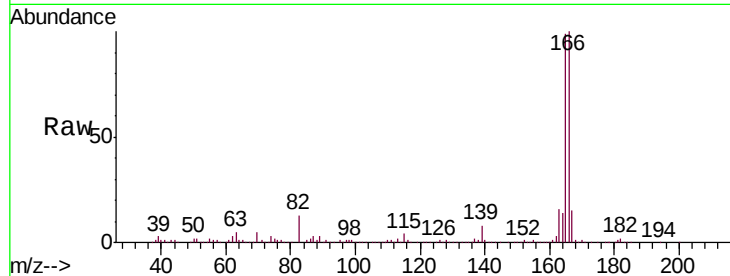
Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-10D

Tgt Ion:	166	Resp:	308586
Ion Ratio	Lower	Upper	
166	100		
165	98.6	79.8	119.8
167	14.7	10.6	16.0

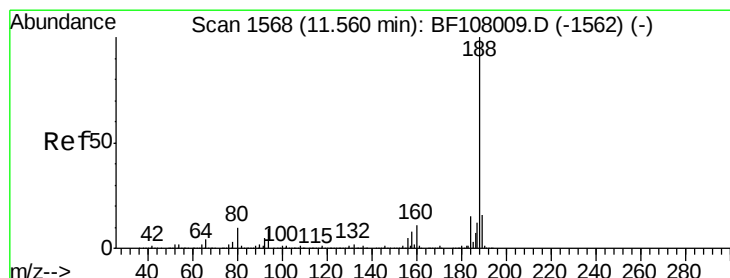
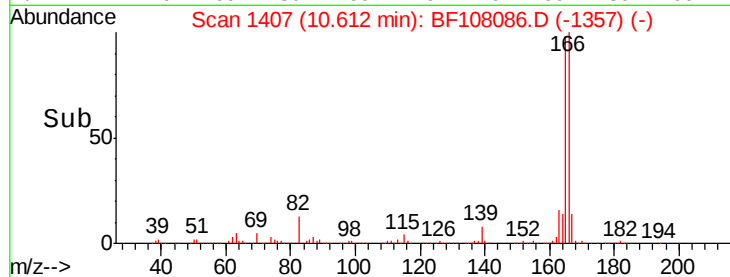
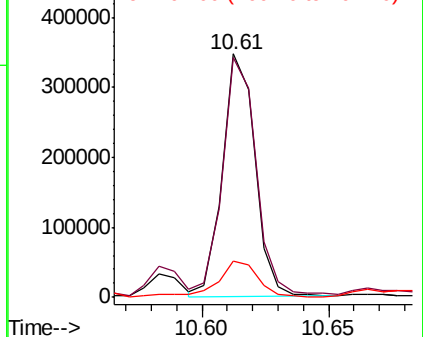
Manual Integrations
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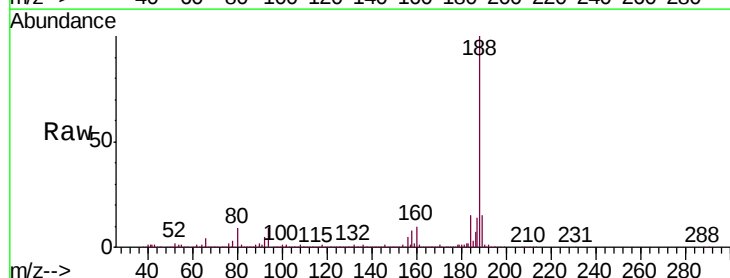


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

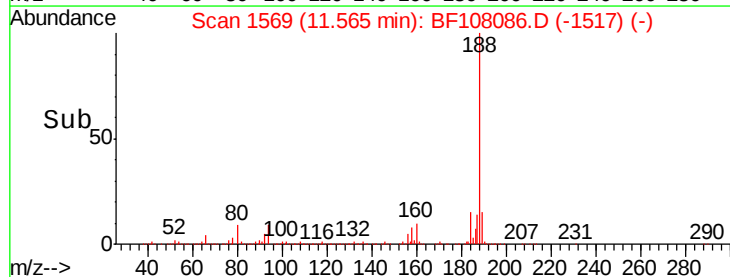
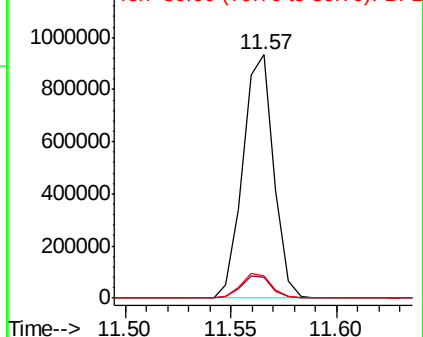


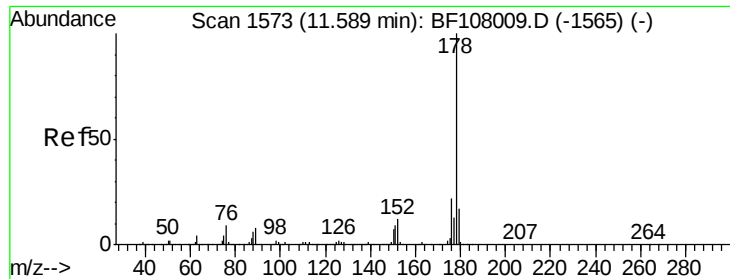
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF108086.D
 Acq: 10 Aug 2018 16:16

Tgt Ion:	188	Resp:	940686
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.5	12.7
80	8.9	9.2	13.8#



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: 56.846 ng
RT: 11.59 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF108086.D
Acq: 10 Aug 2018 16:16

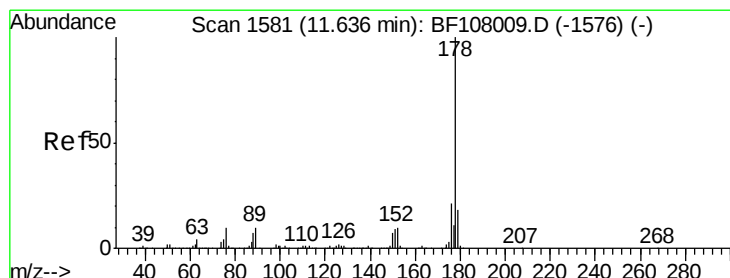
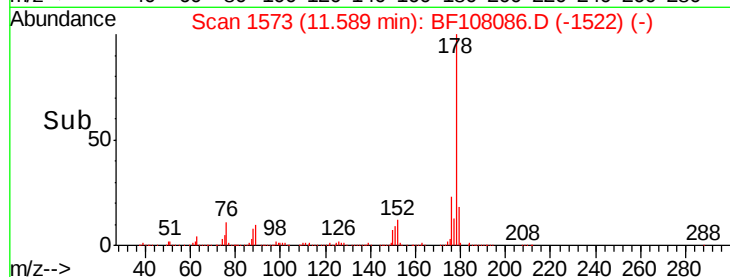
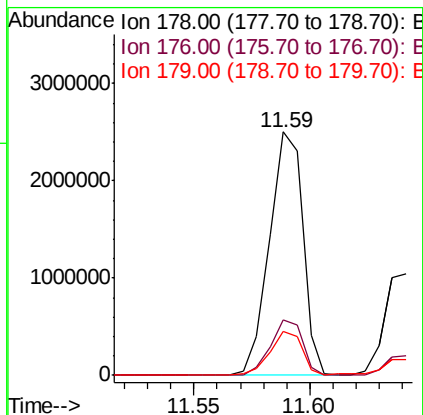
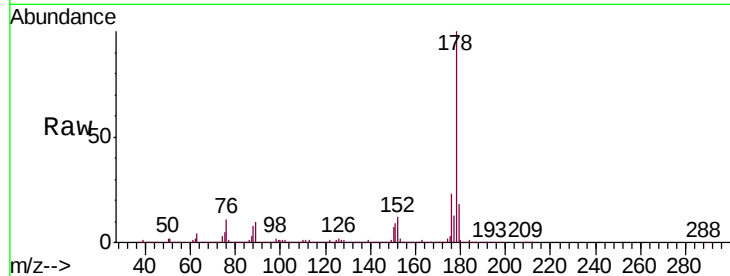
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-10D

Tgt Ion:178 Resp: 2522192
Ion Ratio Lower Upper
178 100
176 22.6 15.8 23.8
179 18.1 13.0 19.6

Manual Integrations
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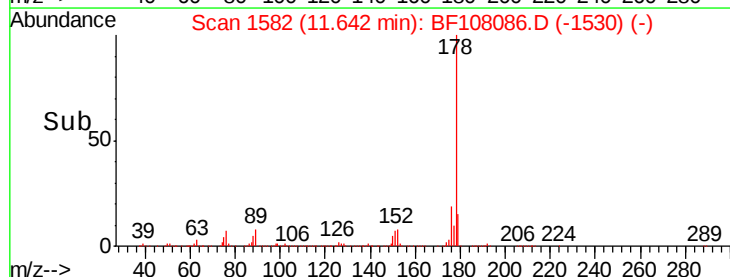
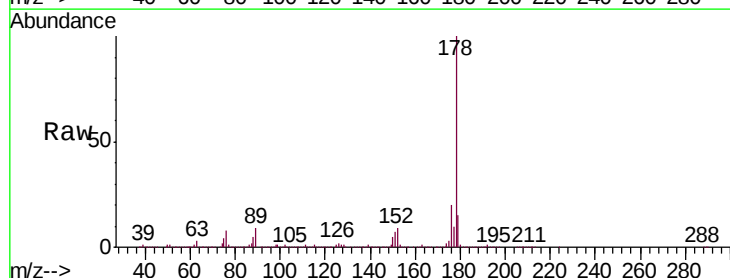
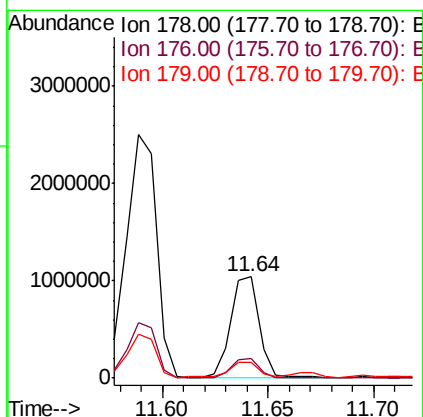
Sohil

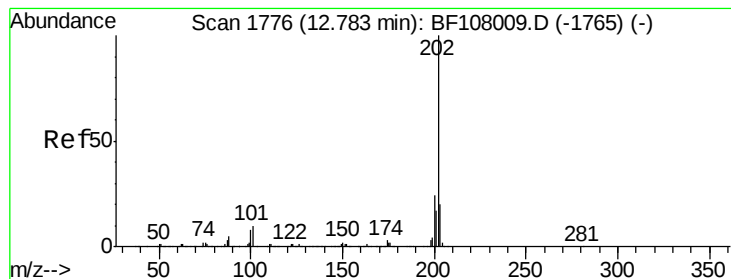
8/13/2018 3:52:50 PM



#71
Anthracene
Concen: 21.258 ng
RT: 11.64 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF108086.D
Acq: 10 Aug 2018 16:16

Tgt Ion:178 Resp: 966687
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.5 12.6 19.0





#74
 Fluoranthene
 Concen: 43.776 ng
 RT: 12.79 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF108086.D
 Acq: 10 Aug 2018 16:16

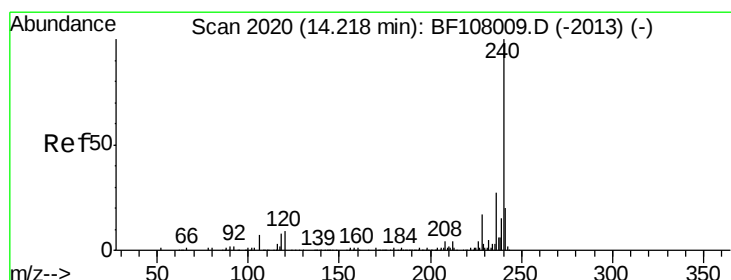
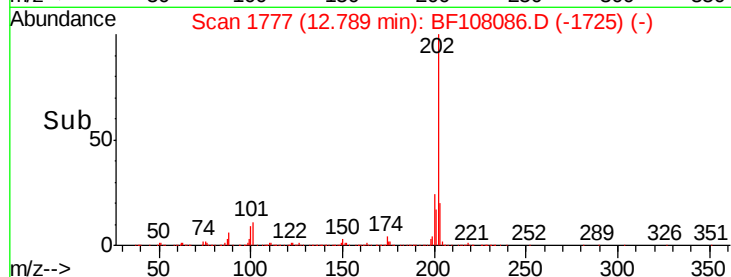
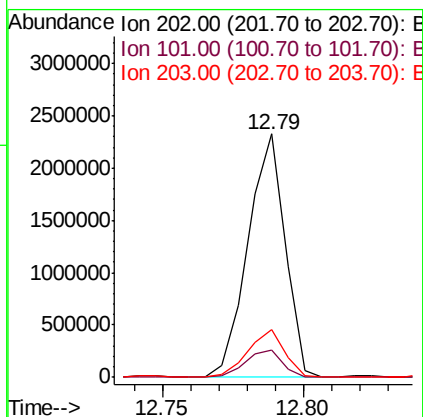
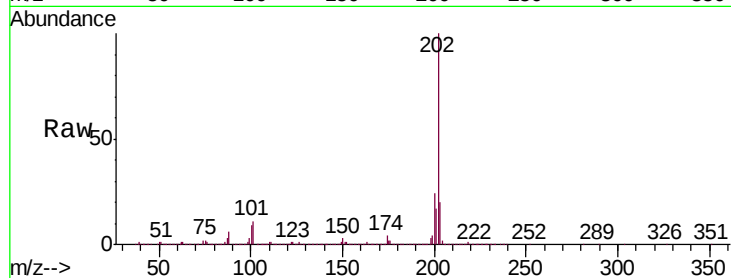
Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-10D

Tgt Ion:	202	Resp:	2119789
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	19.7	0.0	38.1

Manual Integrations
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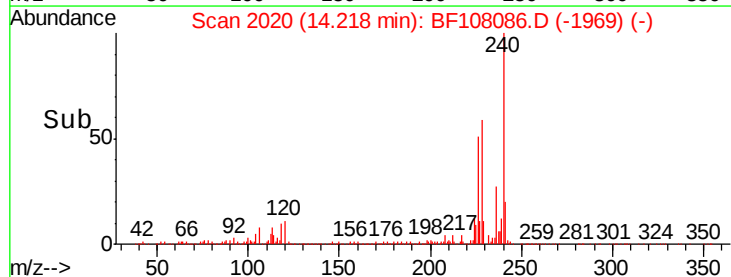
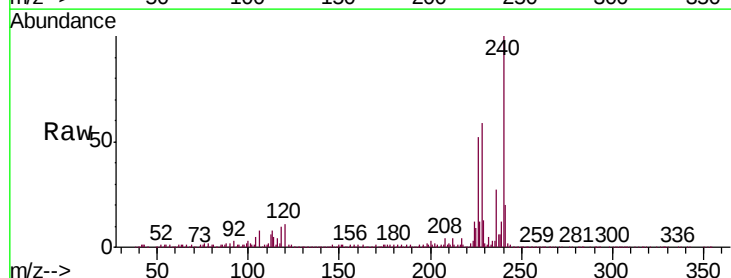
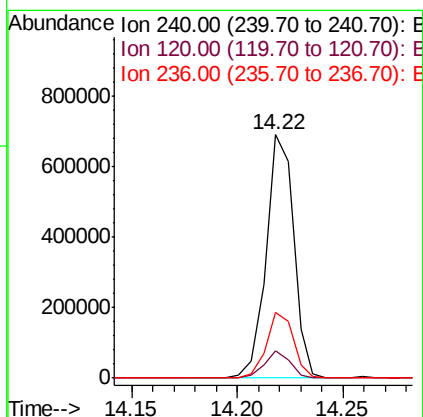
Sohil

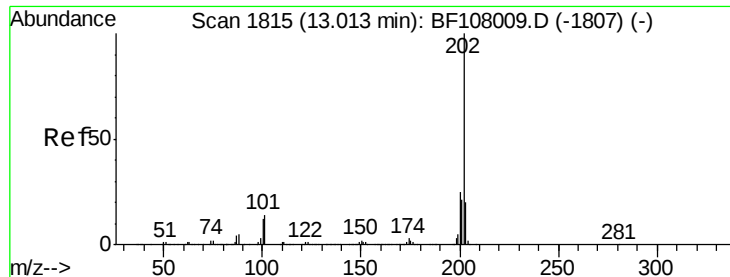
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.22 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: BF108086.D
 Acq: 10 Aug 2018 16:16

Tgt Ion:	240	Resp:	626490
Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	27.0	20.7	31.1





#77
 Pyrene
 Concen: 65.034 ng
 RT: 13.02 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: BF108086.D
 Acq: 10 Aug 2018 16:16

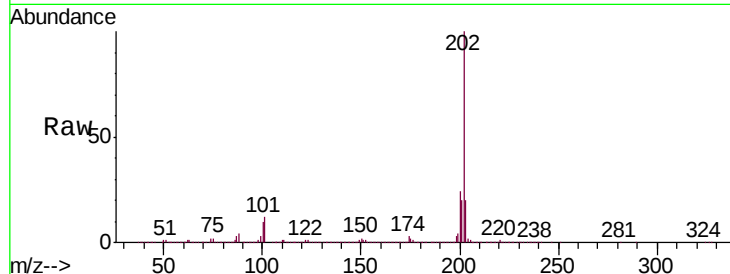
Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-10D

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.3	17.4	26.2
203	19.9	14.3	21.5

Manual Integrations
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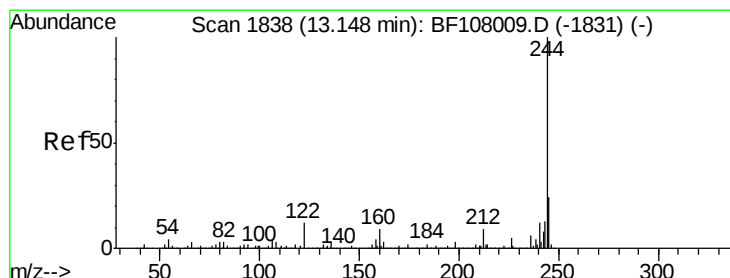
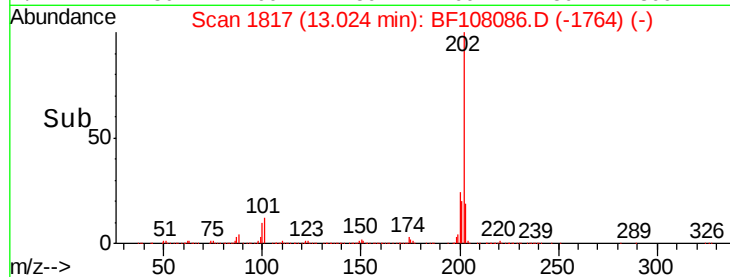
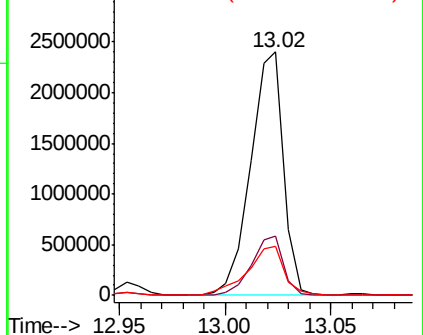


Abundance

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: 14.791 ng
 RT: 13.15 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BF108086.D
 Acq: 10 Aug 2018 16:16

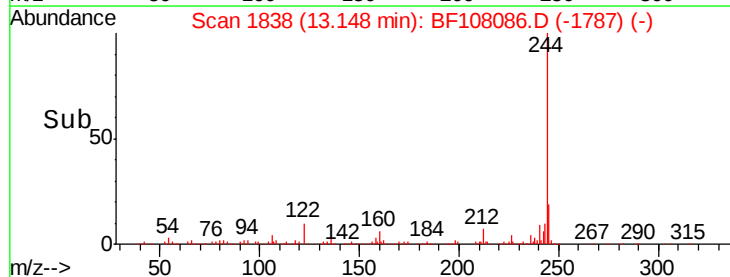
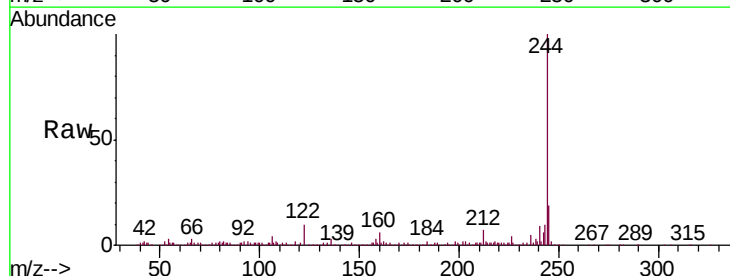
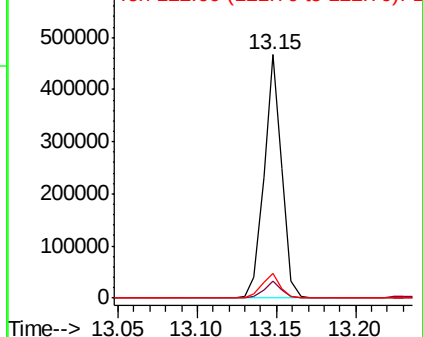
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.2	11.0	16.4

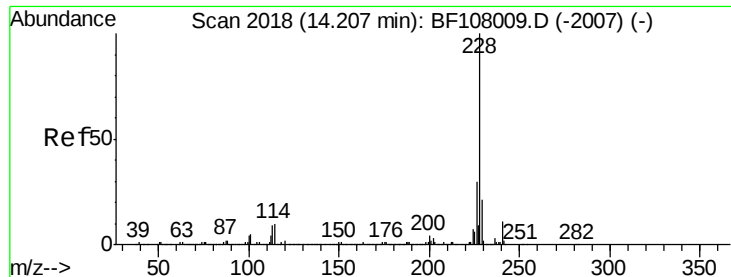
Abundance

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: 30.408 ng m
RT: 14.21 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF108086.D
Acq: 10 Aug 2018 16:16

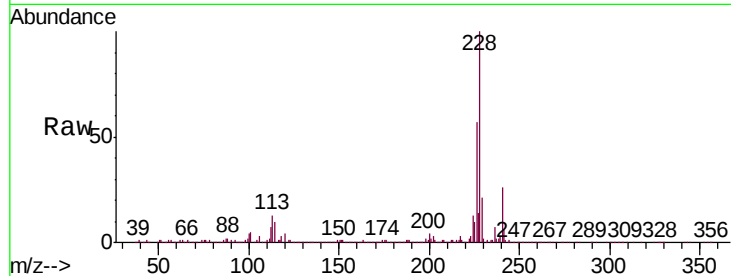
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-10D

Tgt Ion:228 Resp: 1093281
Ion Ratio Lower Upper
228 100
226 57.0 22.6 33.8#
229 21.1 15.8 23.6

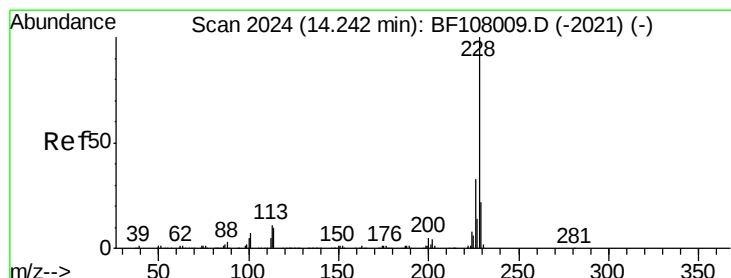
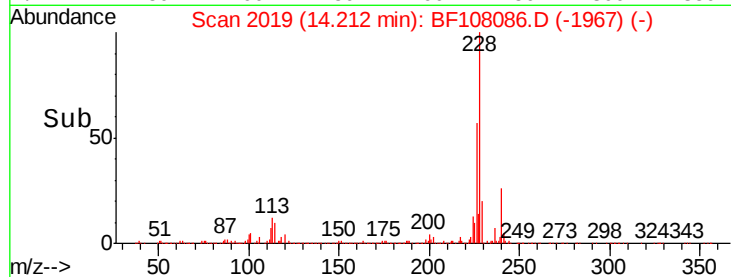
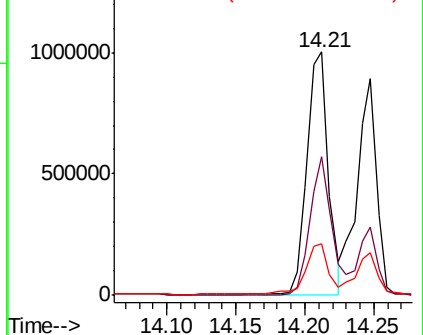
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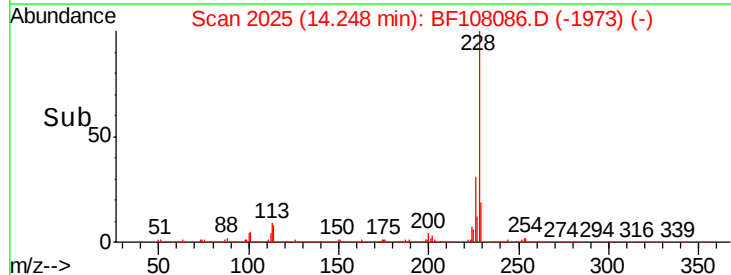
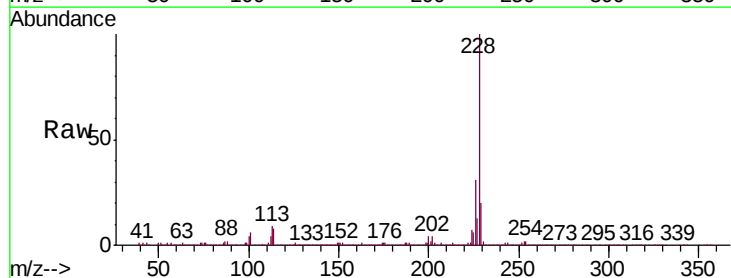
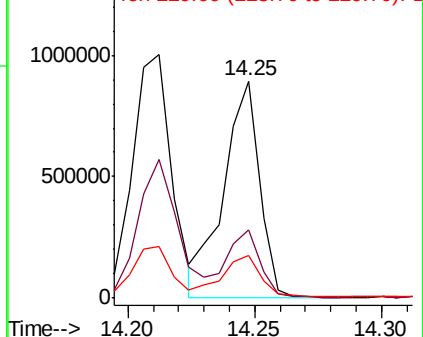
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

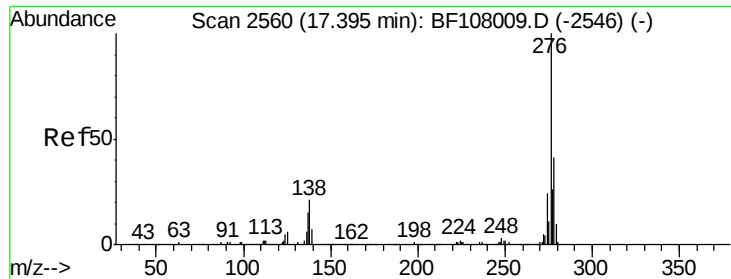


#82
Chrysene
Concen: 26.547 ng
RT: 14.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF108086.D
Acq: 10 Aug 2018 16:16

Tgt Ion:228 Resp: 875051
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 19.9 16.2 24.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.948 ng
 RT: 17.40 min Scan# 2561
 Delta R.T. 0.01 min
 Lab File: BF108086.D
 Acq: 10 Aug 2018 16:16

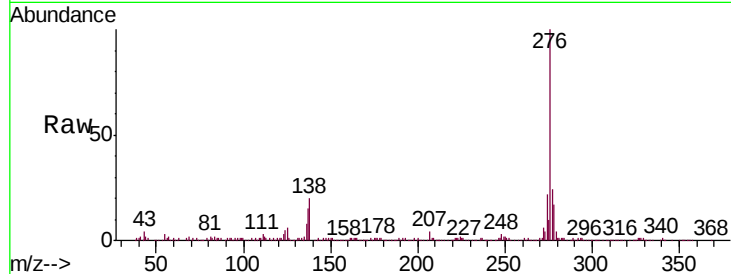
Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-10D

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	23.8	20.1	30.1

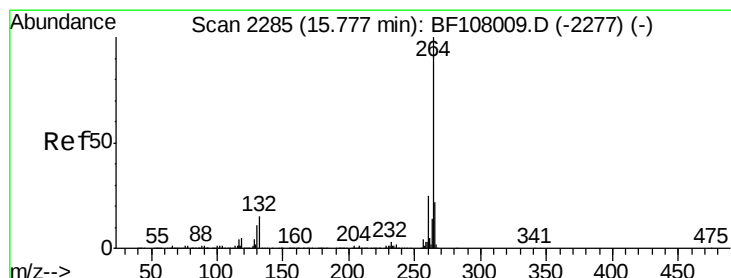
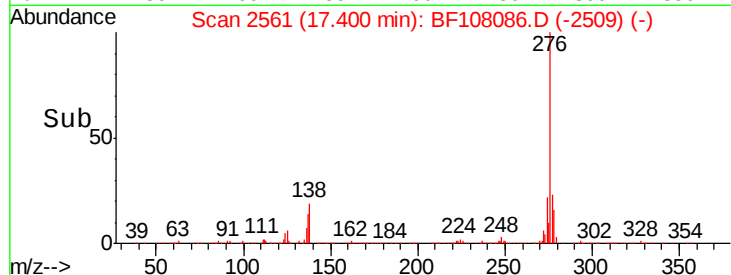
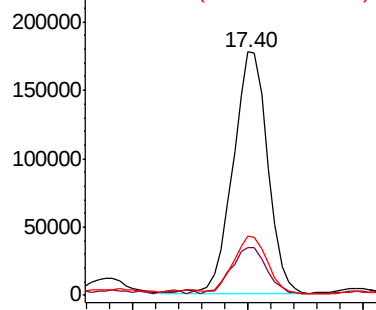
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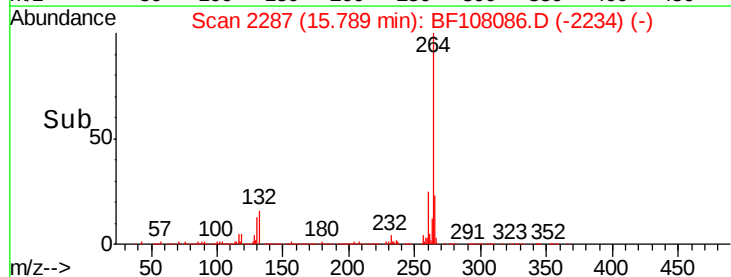
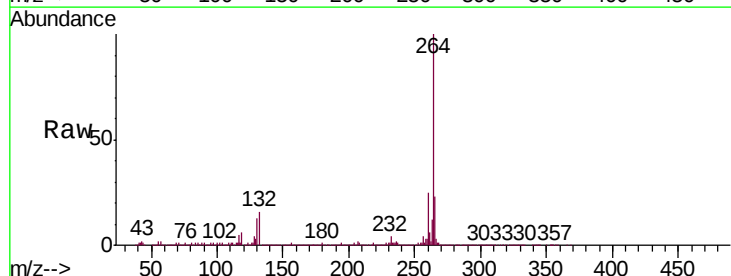
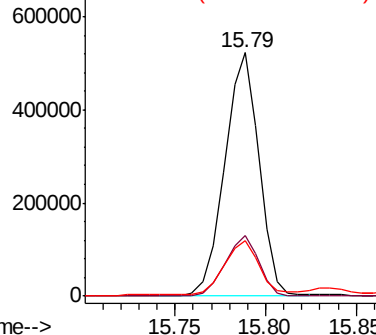
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

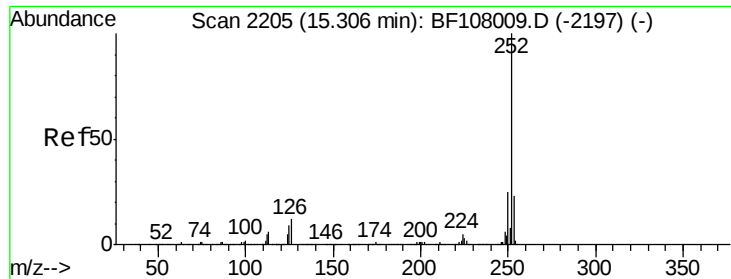


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.79 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF108086.D
 Acq: 10 Aug 2018 16:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.9	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 25.442 ng m

RT: 15.32 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF108086.D

Acq: 10 Aug 2018 16:16

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-10D

Tgt Ion:252 Resp: 1034049

Ion Ratio Lower Upper

252 100

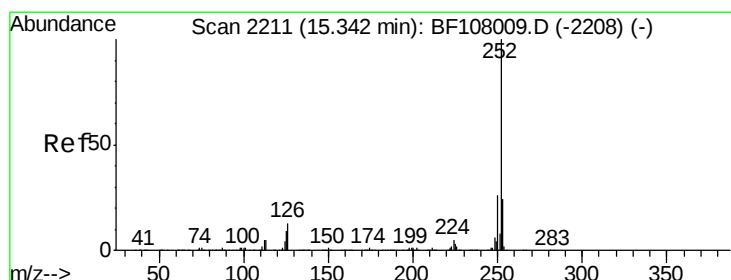
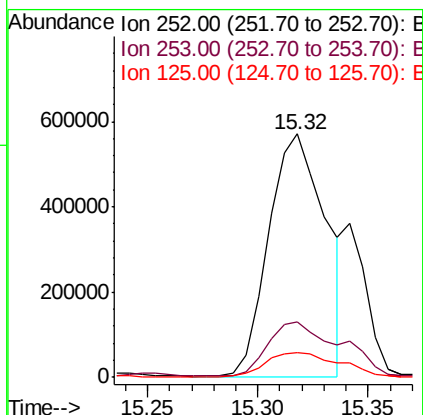
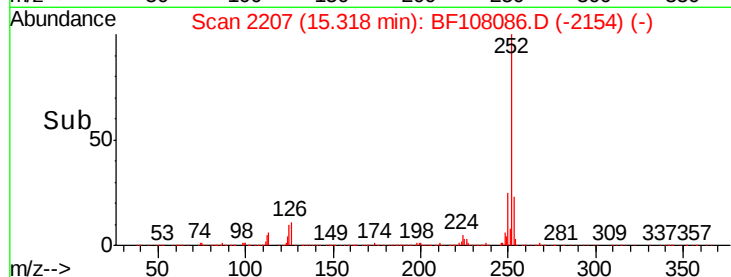
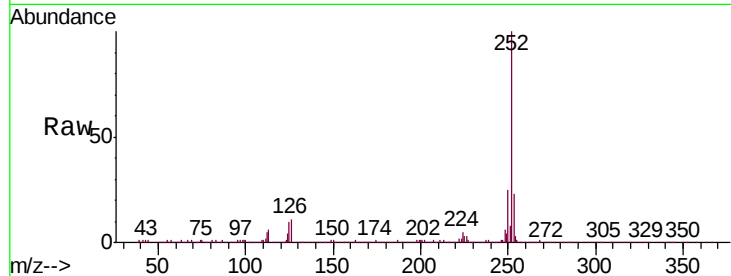
253 23.0 17.0 25.6

125 10.3 9.0 13.6

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#88

Benzo(k)fluoranthene

Concen: 7.132 ng m

RT: 15.34 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BF108086.D

Acq: 10 Aug 2018 16:16

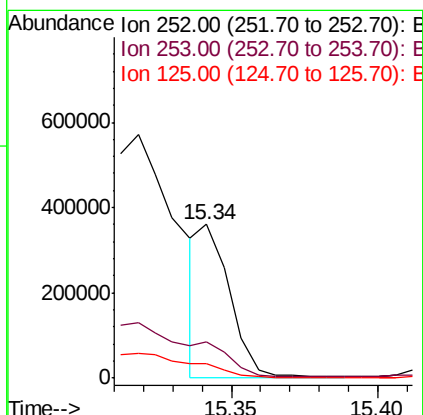
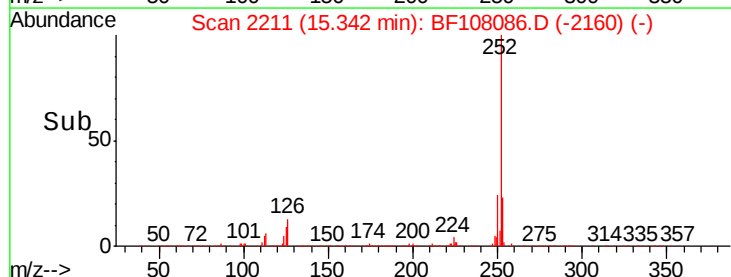
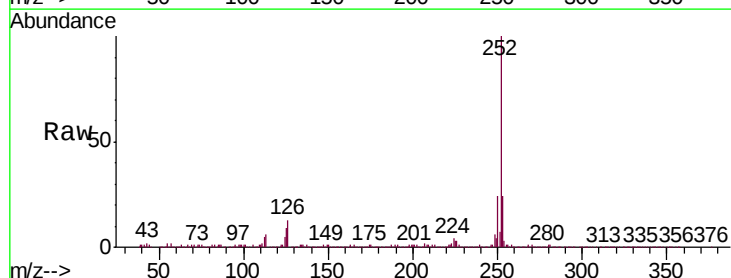
Tgt Ion:252 Resp: 266475

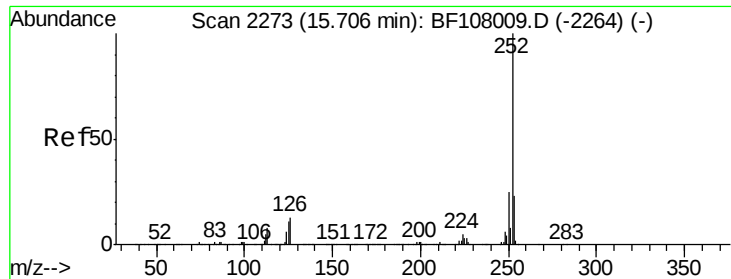
Ion Ratio Lower Upper

252 100

253 24.0 17.9 26.9

125 9.3 10.2 15.2#





#89
Benzo(a)pyrene
Concen: 27.602 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF108086.D
Acq: 10 Aug 2018 16:16

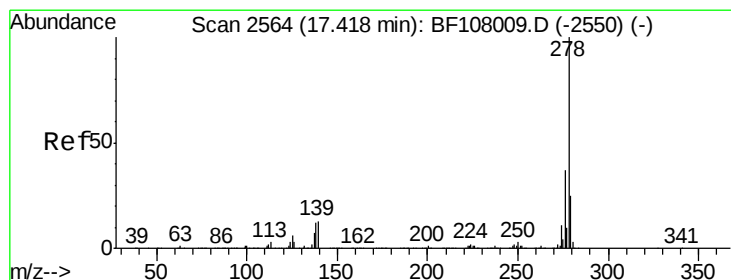
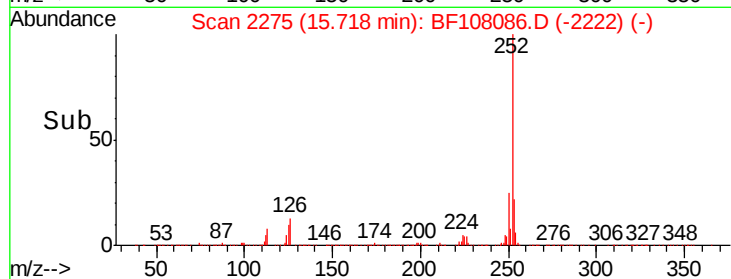
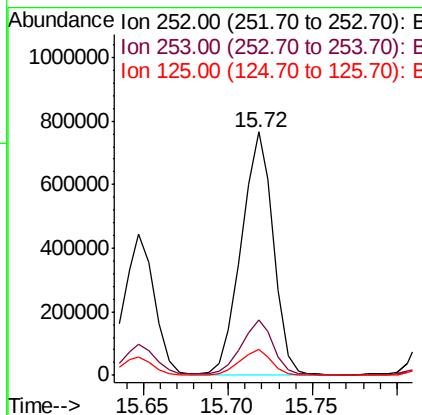
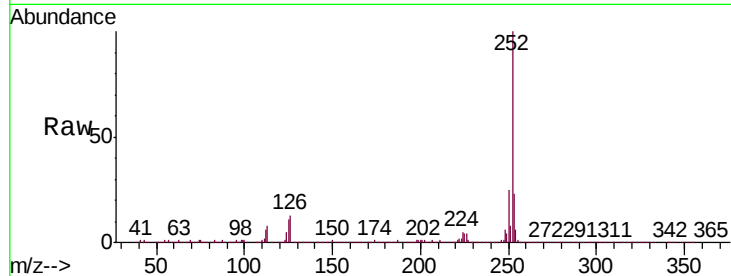
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-10D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	10.6	9.8	14.6

Manual Integrations
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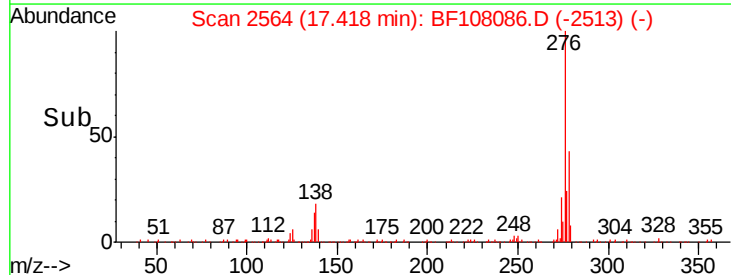
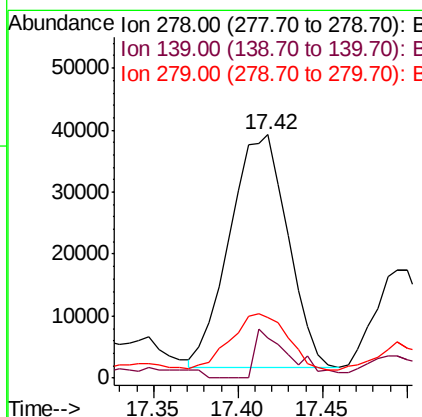
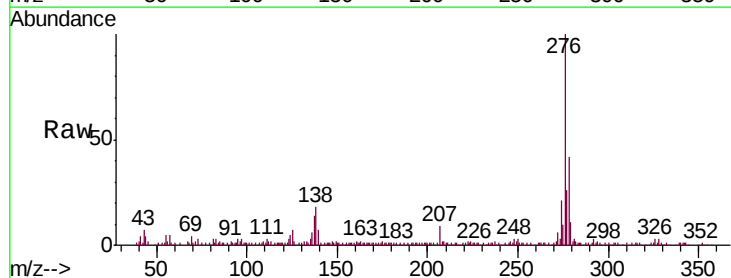
Sohil

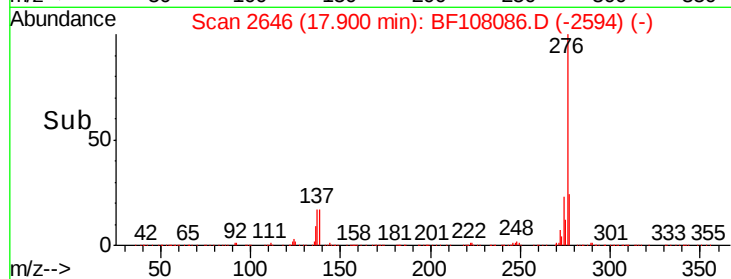
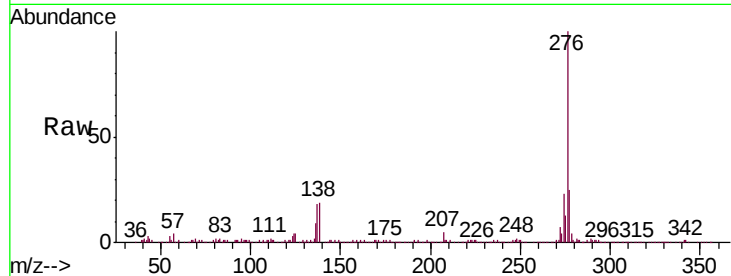
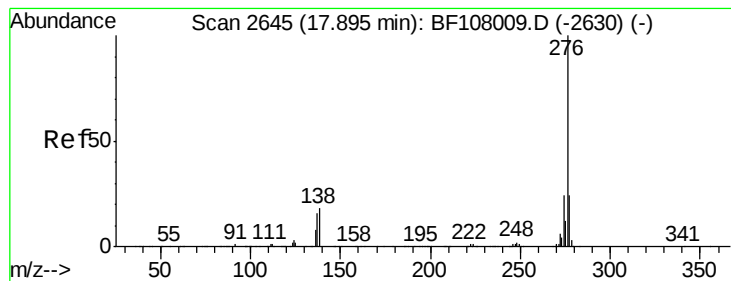
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#90
Dibenzo(a,h)anthracene
Concen: 2.963 ng
RT: 17.42 min Scan# 2564
Delta R.T. -0.00 min
Lab File: BF108086.D
Acq: 10 Aug 2018 16:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	15.9	23.9
279	25.1	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 12.131 ng

RT: 17.90 min Scan# 2646

Delta R.T. 0.01 min

Lab File: BF108086.D

Acq: 10 Aug 2018 16:16

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-10D

Tgt Ion:	276	Resp:	359724
Ion Ratio	Lower	Upper	
276	100		
277	25.3	17.9	26.9
138	19.4	21.8	32.8#

Manual Integrations
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