

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107226.D
 Acq On : 9 Jul 2018 14:07
 Operator : JU/SJ
 Sample : J3881-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-23

Manual Integrations
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Sohil
 7/10/2018 2:46:15 PM

Quant Time: Jul 09 15:32:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	40663	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	150126	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	68286	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	121645	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	113240	20.00	ng	-0.02
86) Perylene-d12	15.70	264	94059	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	198750	82.76	ng	-0.01
7) Phenol-d6	6.60	99	247502	82.53	ng	-0.02
23) Nitrobenzene-d5	7.51	82	152843	56.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	65193	82.37	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	283784	67.26	ng	-0.02
78) Terphenyl-d14	13.07	244	303963	65.02	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.25	128	15863	2.260	ng	100
49) Dimethylphthalate	9.70	163	40888	7.984	ng	# 99
54) Dibenzofuran	10.20	168	13226	2.268	ng	95
57) Fluorene	10.54	166	11690	2.526	ng	99
70) Phenanthrene	11.51	178	234205	39.918	ng	98
71) Anthracene	11.56	178	50741	8.473	ng	99
72) Carbazole	11.72	167	31501	5.618	ng	98
74) Fluoranthene	12.71	202	379512	58.686	ng	95
77) Pyrene	12.94	202	344686	46.159	ng	99
80) Benzo(a)anthracene	14.14	228	209289	30.324	ng	99
82) Chrysene	14.17	228	181401	28.569	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	108586	27.664	ng	99
85) Indeno(1,2,3-cd)pyrene	17.29	276	66014m	12.251	ng	
87) Benzo(b)fluoranthene	15.24	252	223946m	38.328	ng	
88) Benzo(k)fluoranthene	15.26	252	60439m	10.862	ng	
89) Benzo(a)pyrene	15.63	252	126746	24.401	ng	95
90) Dibenzo(a,h)anthracene	17.29	278	18796	4.270	ng	# 87
91) Benzo(g,h,i)perylene	17.78	276	61040	14.187	ng	# 88

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

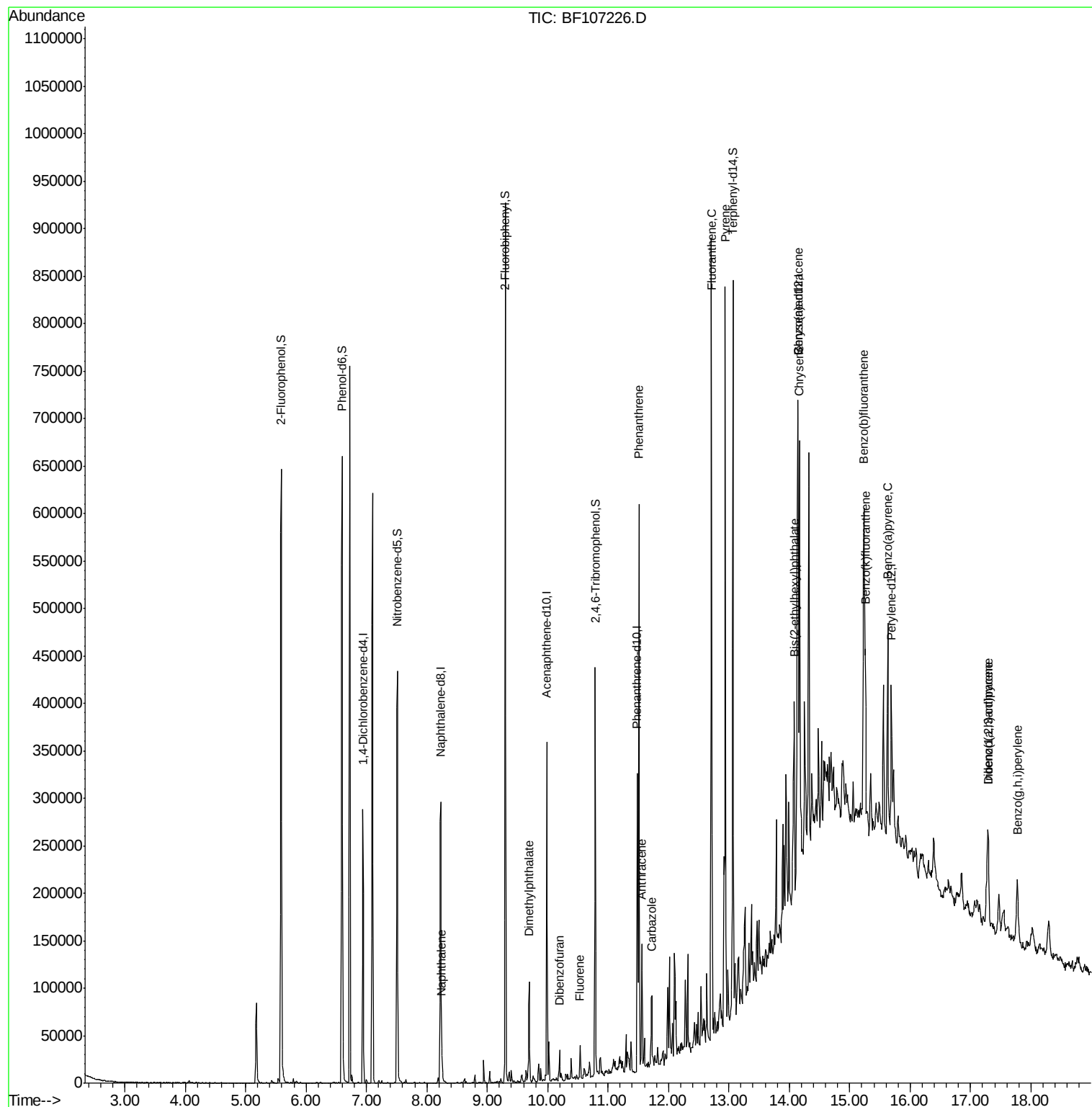
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

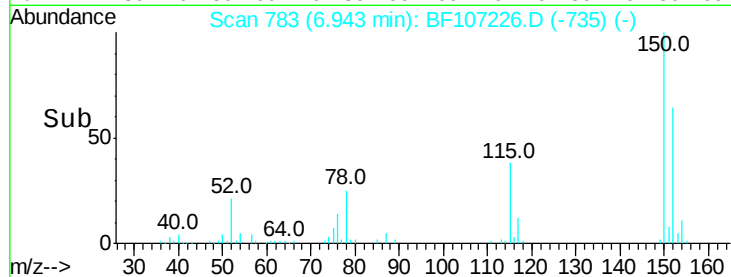
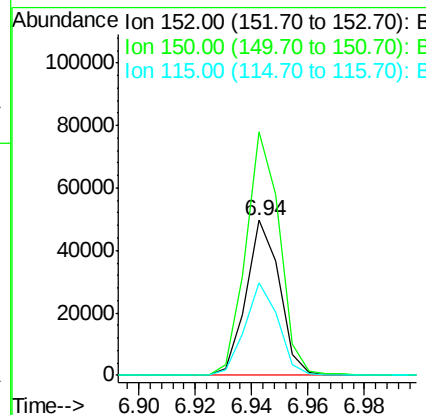
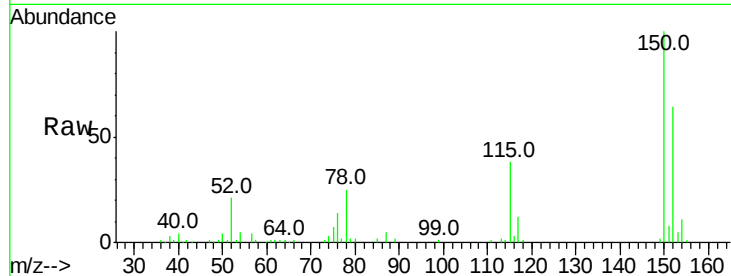
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	60.0	50.1	75.1

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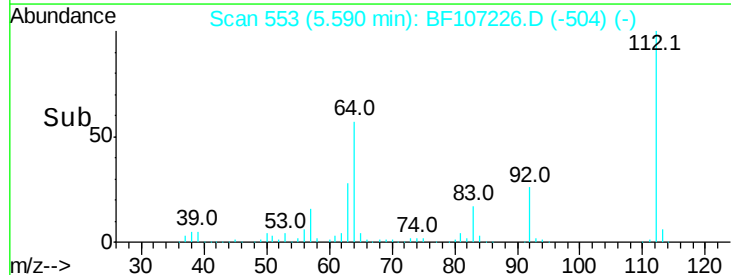
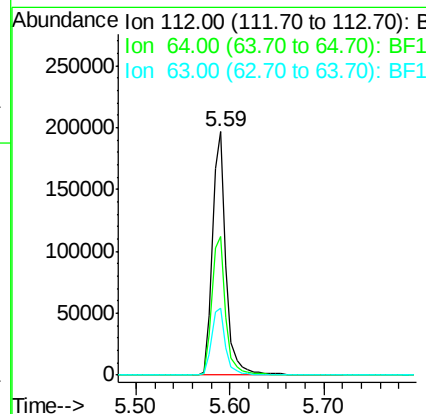
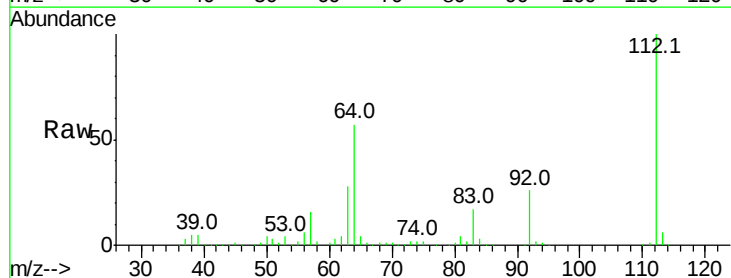
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#5

2-Fluorophenol
Concen: 82.765 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	27.6	23.7	35.5





#7

Phenol-d6

Concen: 82.532 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107226.D

Acq: 9 Jul 2018 14:07

Instrument :

BNA_F

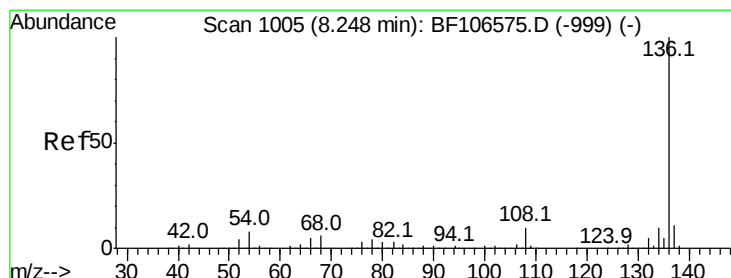
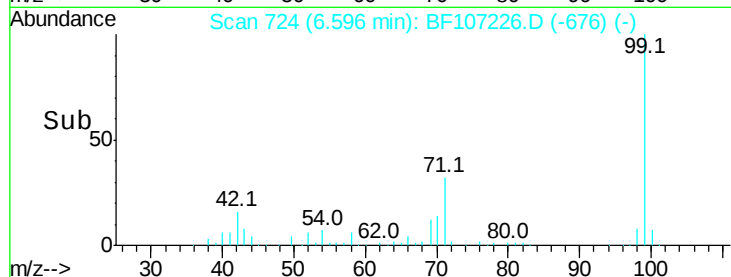
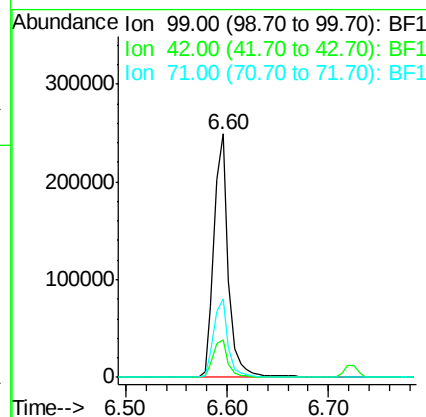
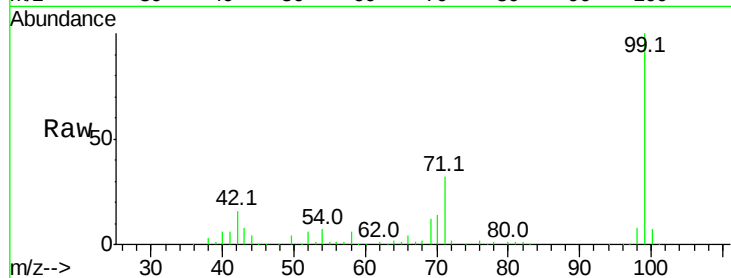
ClientSampleId :

SURCHARGE-SP-23

Tot Ion:	99	Resp:	247502
Ion Ratio	Lower	Upper	
99	100		
42	15.6	14.5	21.7
71	32.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

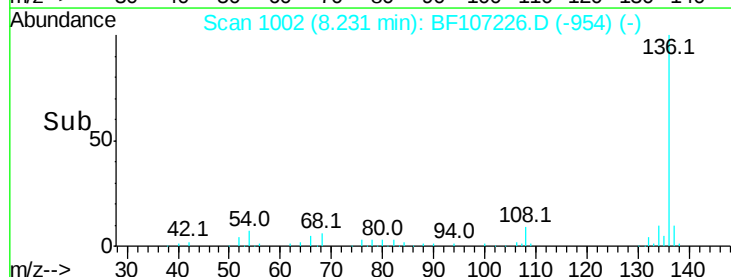
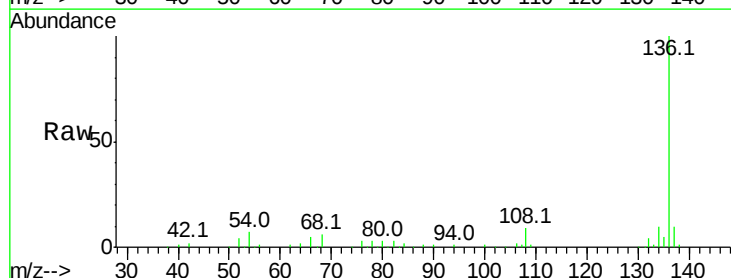
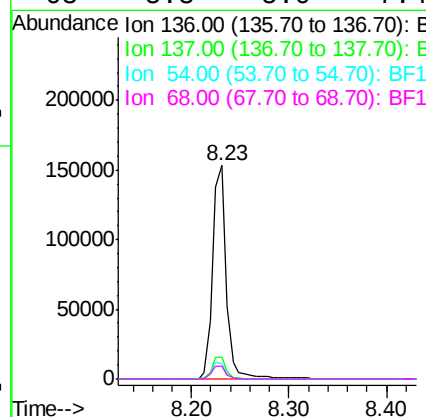
RT: 8.23 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF107226.D

Acq: 9 Jul 2018 14:07

Tgt Ion:	136	Resp:	150126
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.9	13.3
54	7.4	6.6	9.8
68	5.8	5.0	7.4





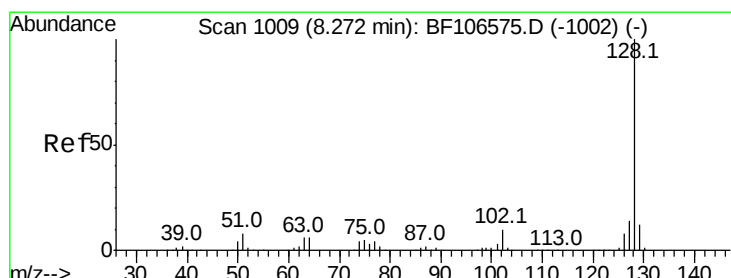
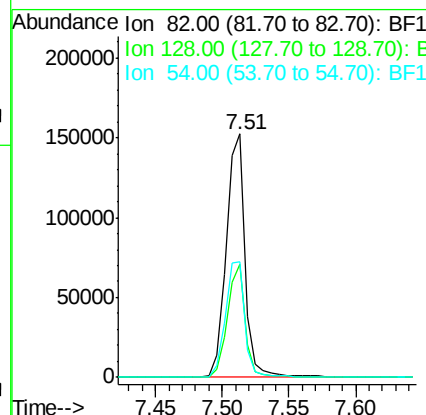
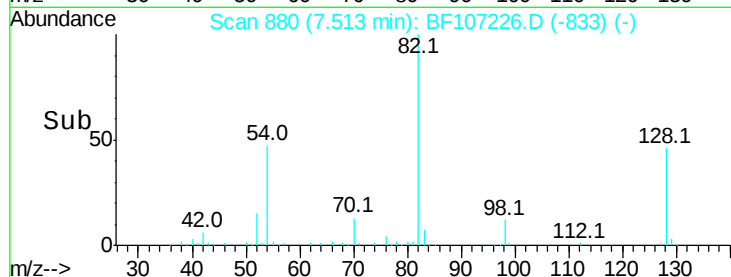
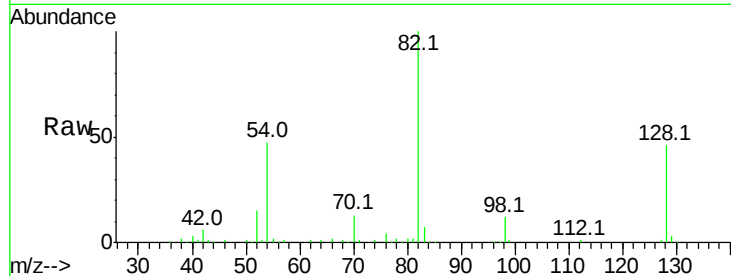
#23
 Nitrobenzene-d5
 Concen: 56.579 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107226.D
 Acq: 9 Jul 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	47.4	41.4	62.2

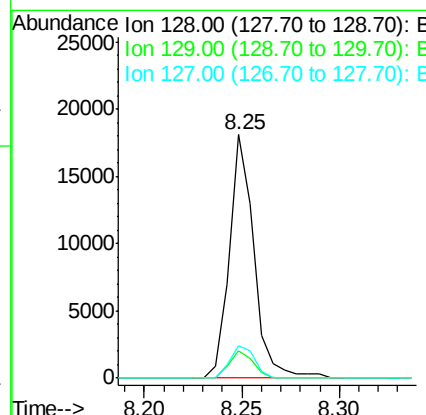
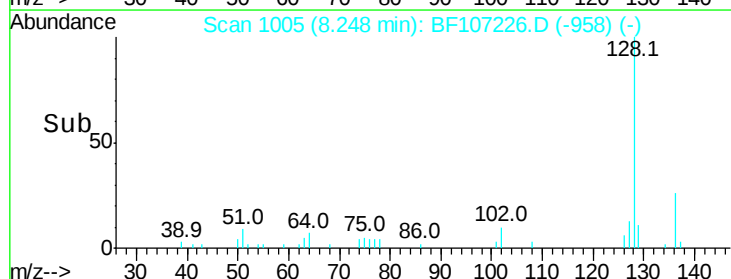
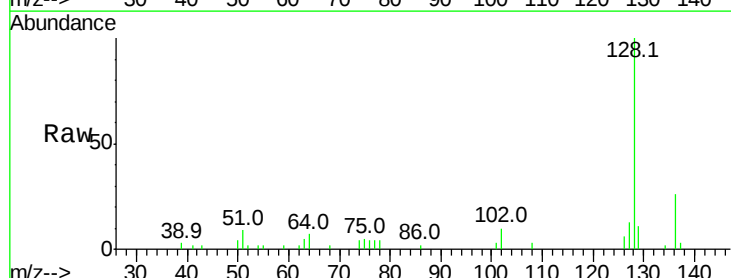
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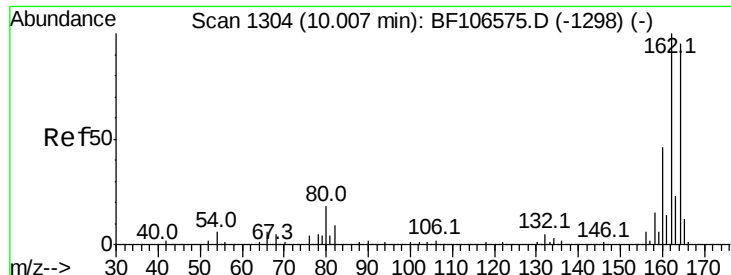
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#31
 Naphthalene
 Concen: 2.260 ng
 RT: 8.25 min Scan# 1005
 Delta R.T. -0.02 min
 Lab File: BF107226.D
 Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.4	10.9	16.3





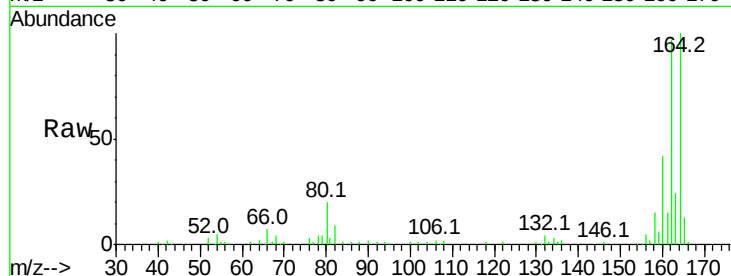
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107226.D
 Acq: 9 Jul 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-23

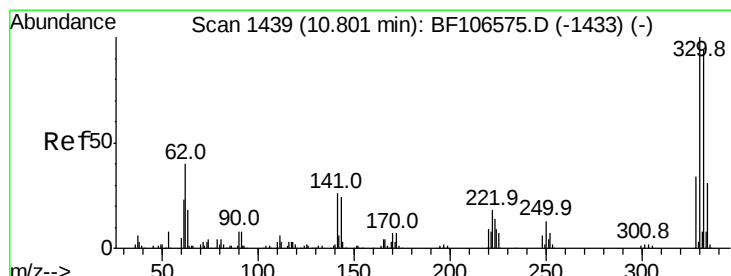
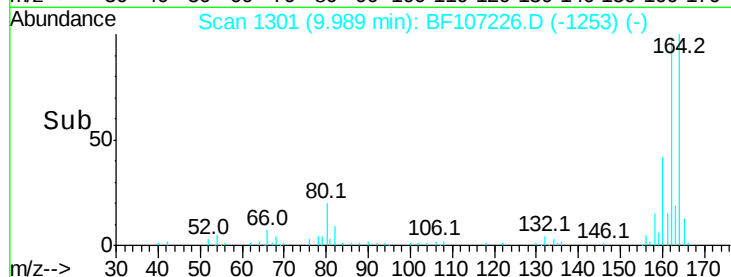
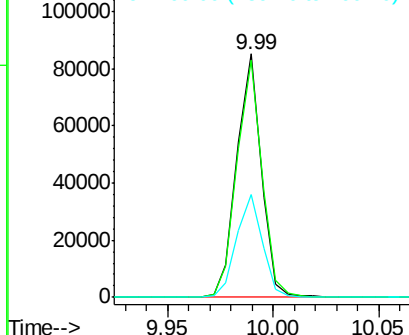
Tot Ion	Ratio	Lower	Upper
164	100		
162	97.3	86.1	129.1
160	42.1	38.3	57.5

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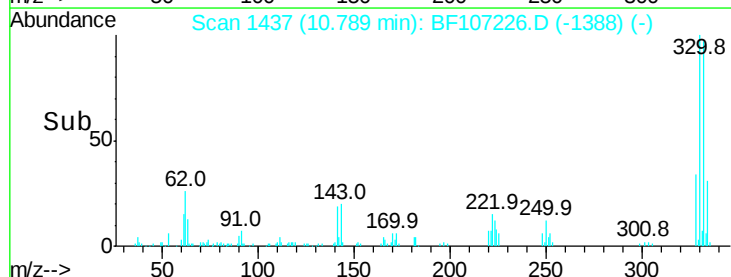
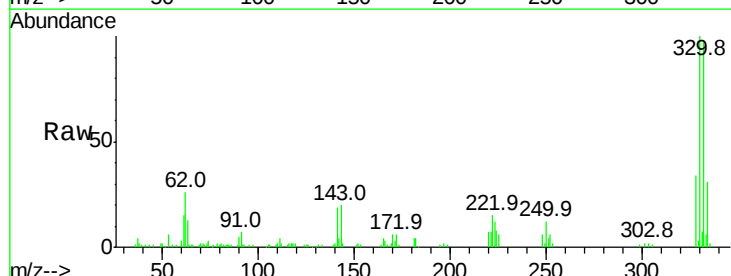
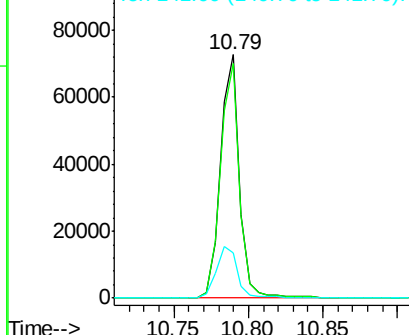
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



#41
 2,4,6-Tribromophenol
 Concen: 82.371 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107226.D
 Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	23.6	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





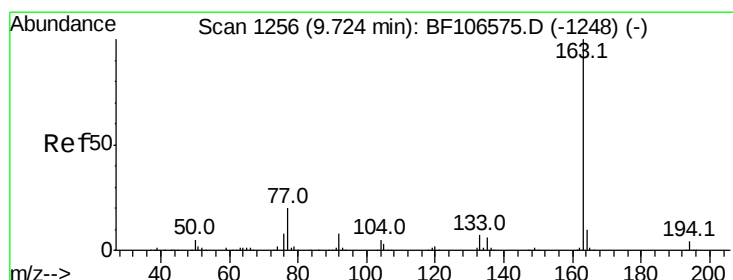
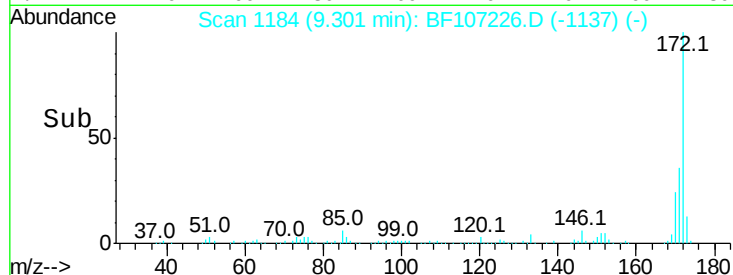
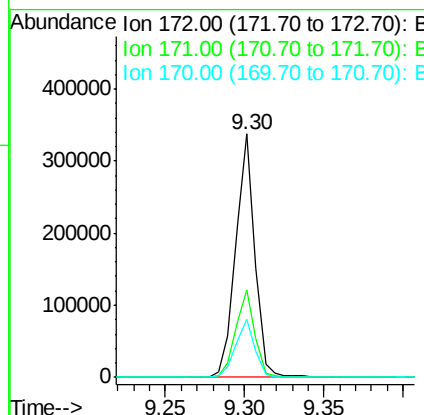
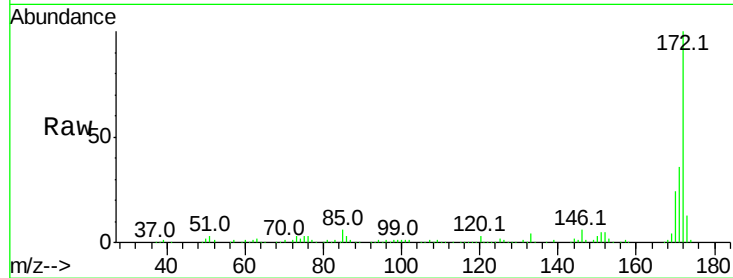
#44
2-Fluorobiphenyl
Concen: 67.265 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Resp	Lower	Upper
172	100	283784		
171	35.7		29.7	44.5
170	24.0		19.6	29.4

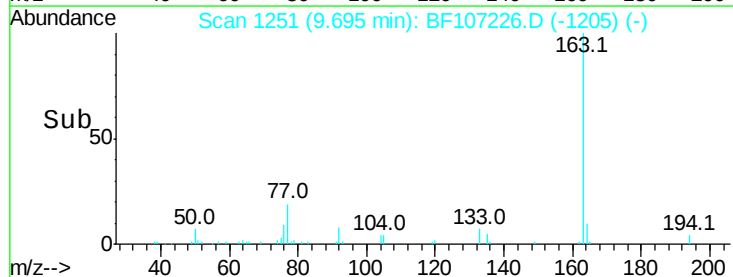
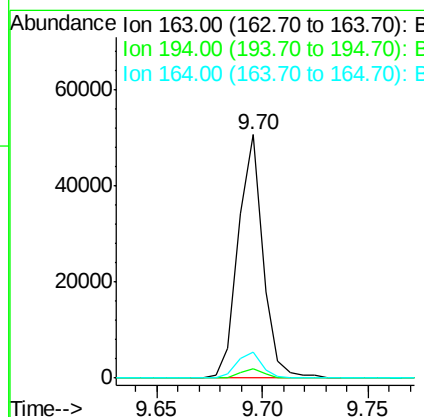
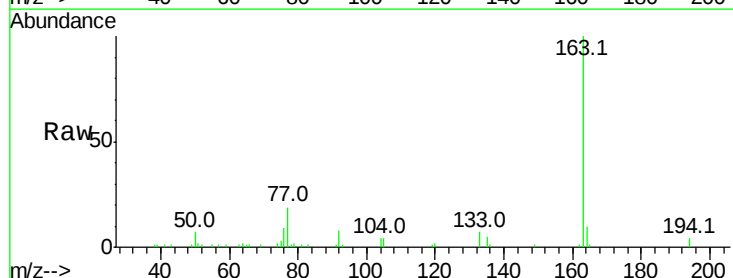
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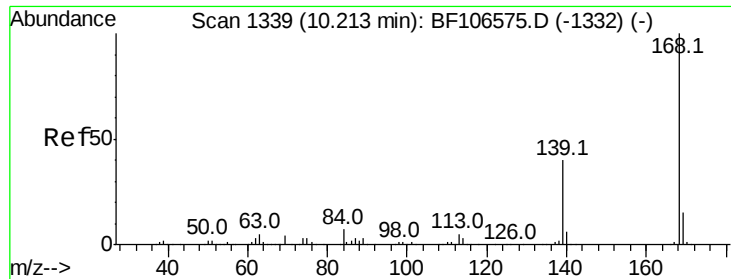
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#49
Dimethylphthalate
Concen: 7.984 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	40888		
194	4.1		2.7	4.1#
164	10.5		8.2	12.2





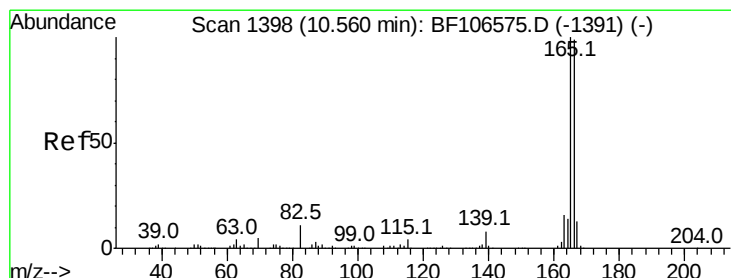
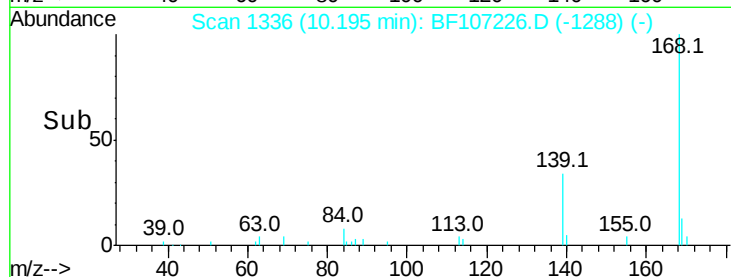
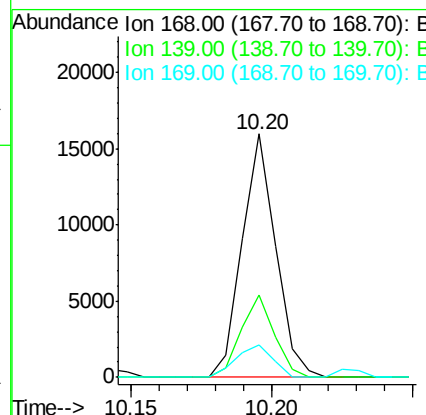
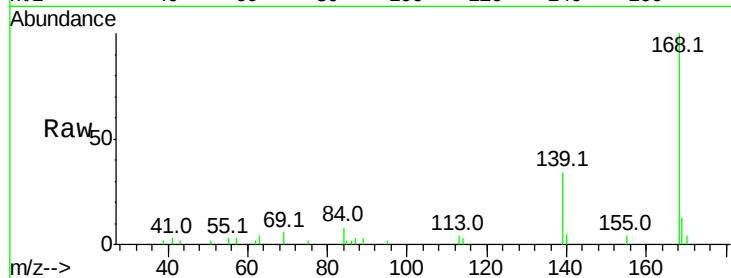
#54
Dibenzenofuran
Concen: 2.268 ng
RT: 10.20 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Instrument :
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SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
168	100		
139	33.9	30.1	45.1
169	13.3	10.9	16.3

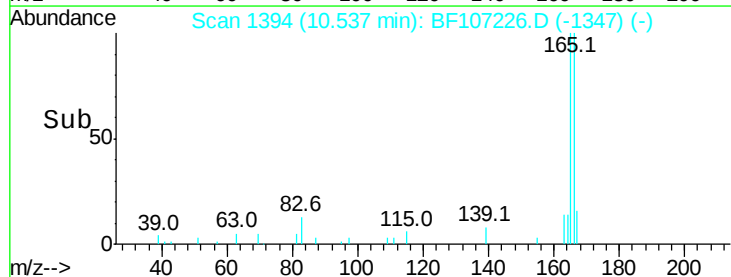
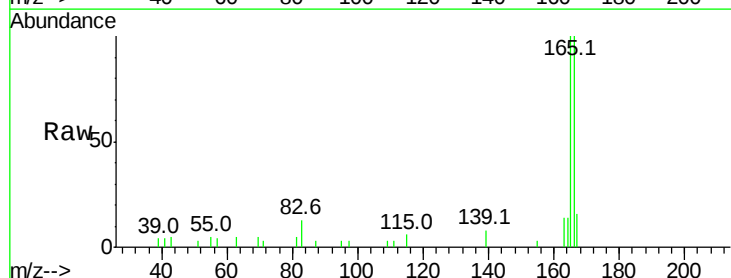
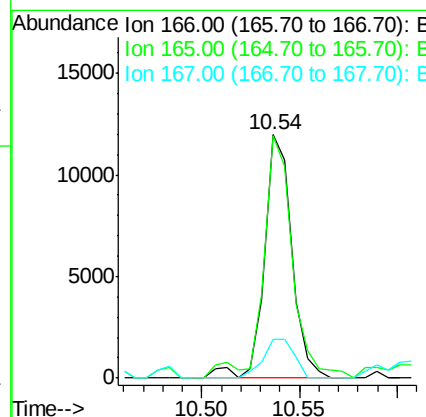
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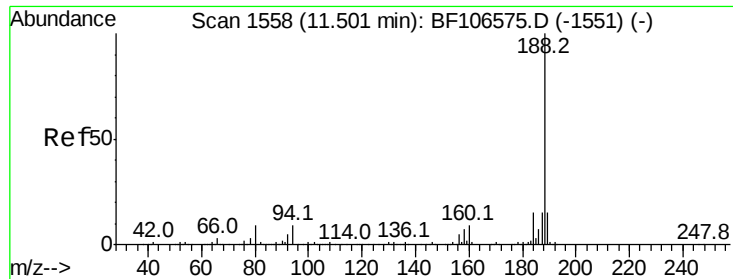
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#57
Fluorene
Concen: 2.526 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.02 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.8
167	15.9	10.6	16.0





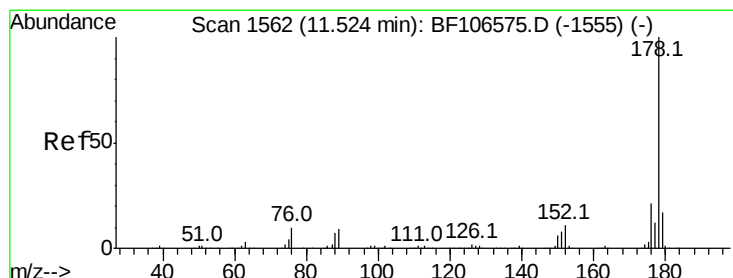
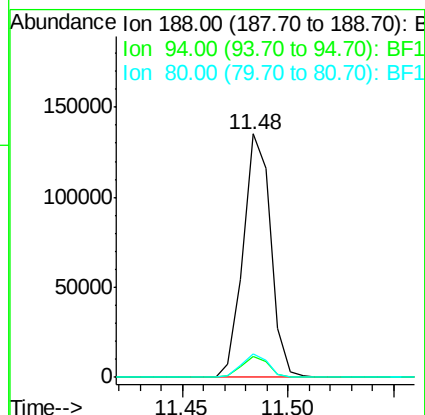
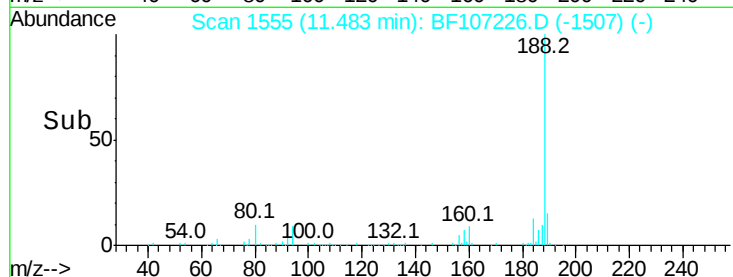
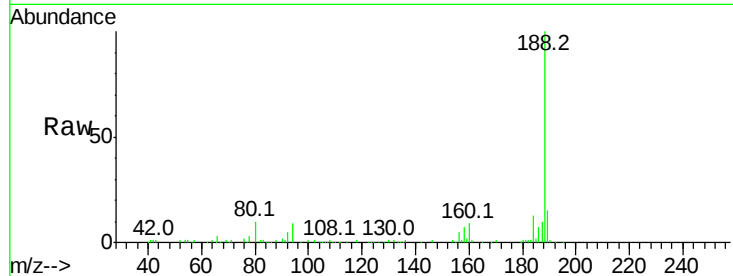
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.7	8.5	12.7
80	9.7	9.2	13.8

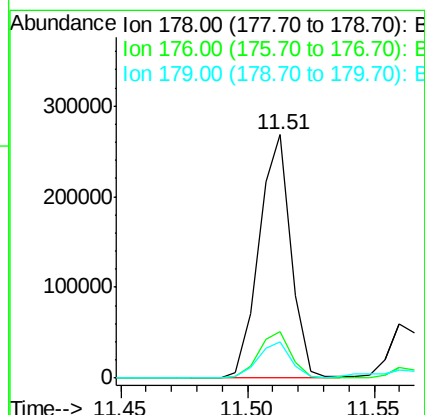
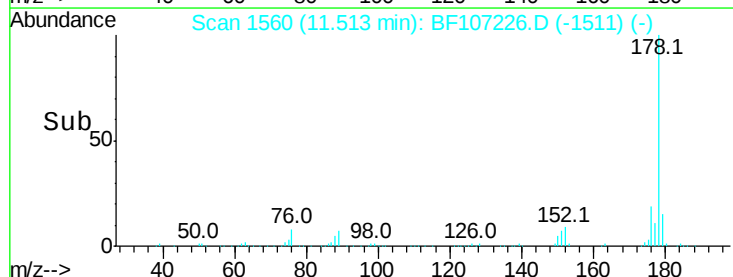
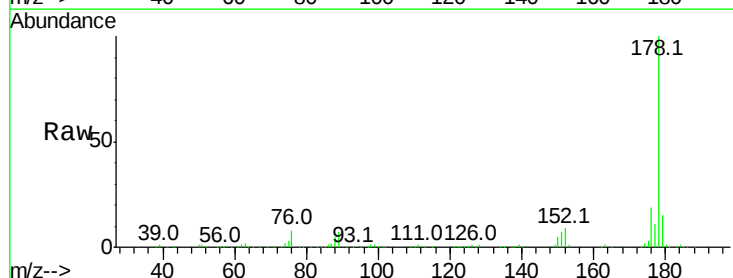
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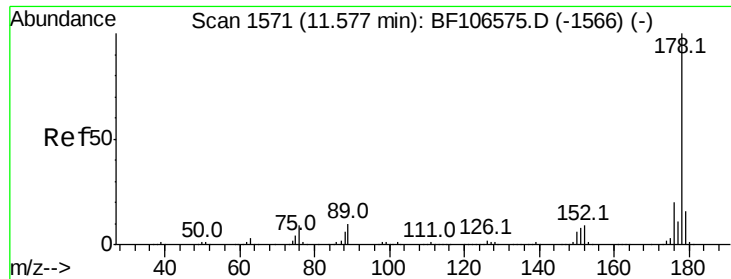
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#70
Phenanthrene
Concen: 39.918 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	15.8	23.8
179	14.8	13.0	19.6





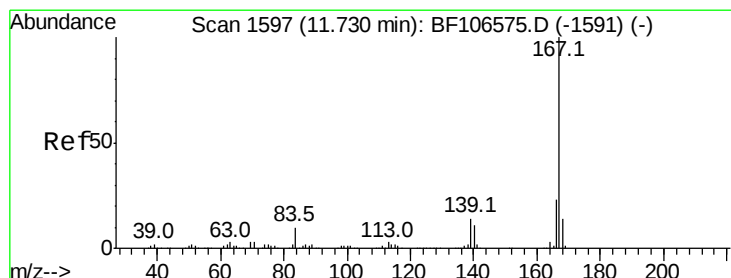
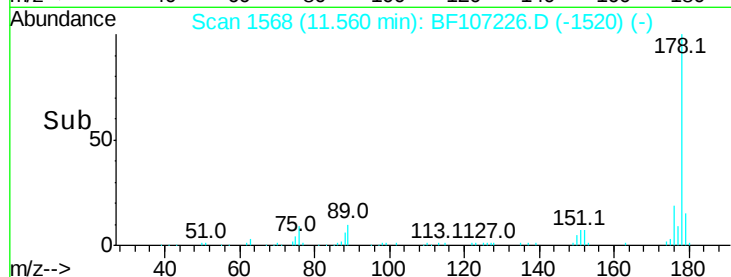
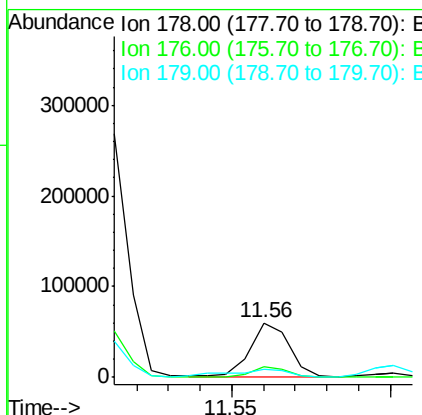
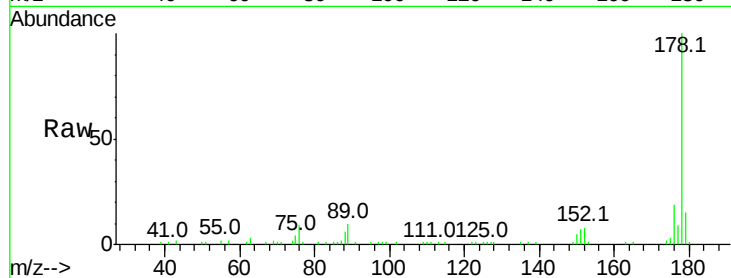
#71
 Anthracene
 Concen: 8.473 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF107226.D
 Acq: 9 Jul 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.5	12.6	19.0

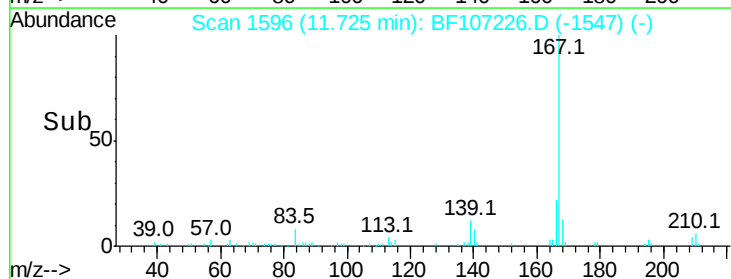
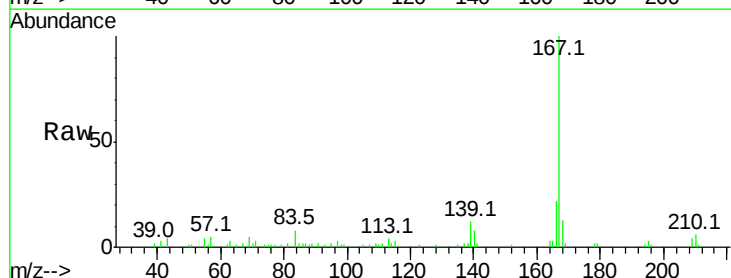
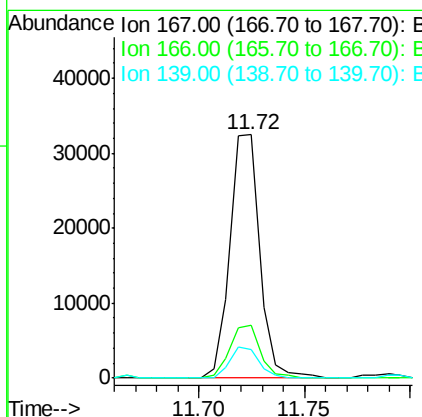
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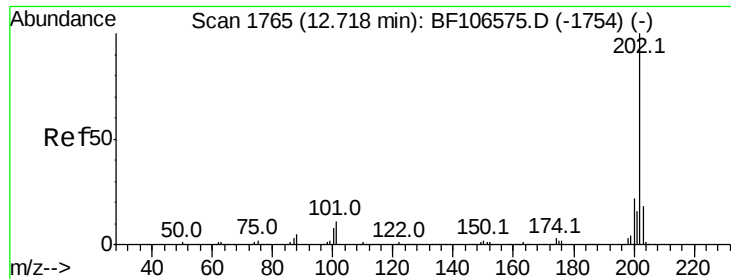
Sohil
 7/10/2018 2:46:15 PM



#72
 Carbazole
 Concen: 5.618 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF107226.D
 Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	11.5	10.9	16.3





#74

Fluoranthene

Concen: 58.686 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107226.D

Acq: 9 Jul 2018 14:07

Instrument :

BNA_F

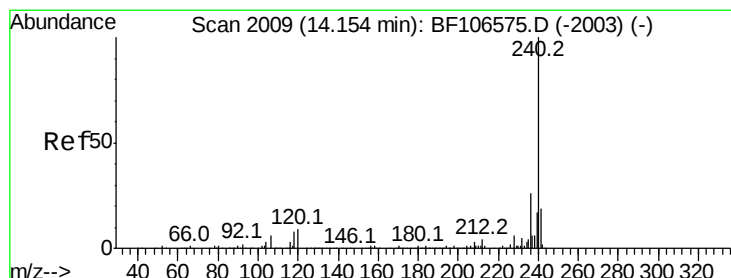
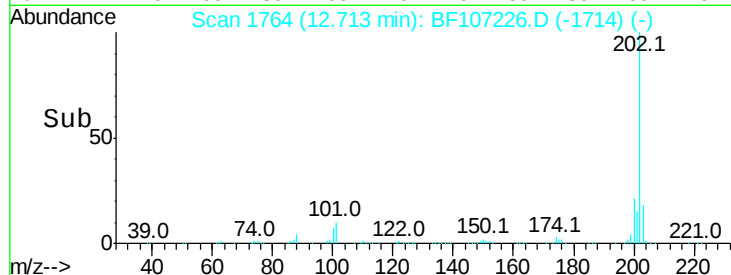
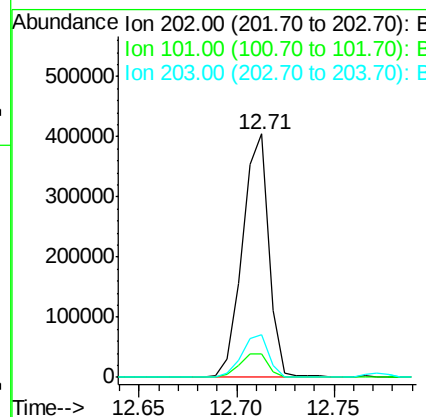
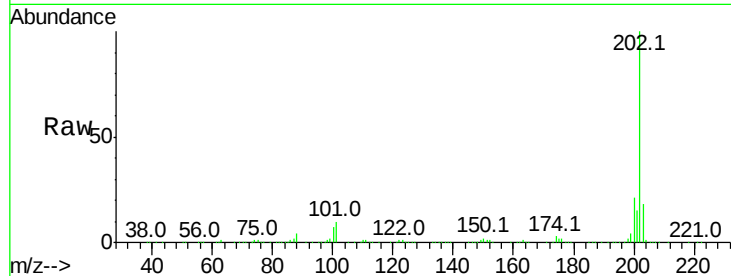
ClientSampleId :

SURCHARGE-SP-23

Tot Ion	Ratio	Resp	Lower	Upper
202	100	379512		
101	9.7	0.0	34.1	
203	17.6	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

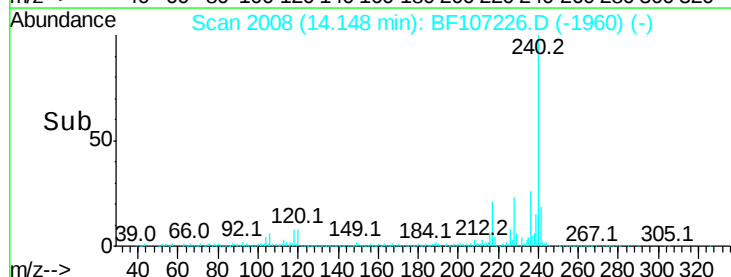
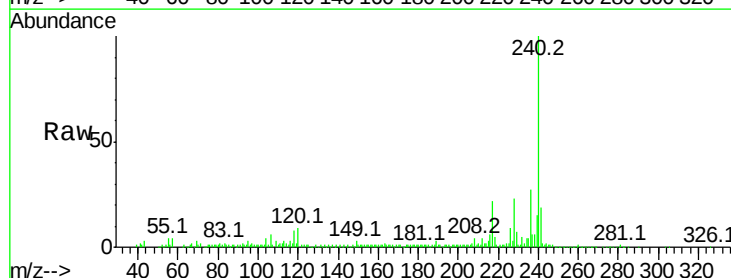
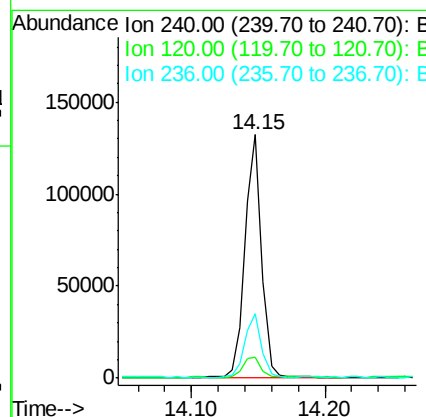
RT: 14.15 min Scan# 2008

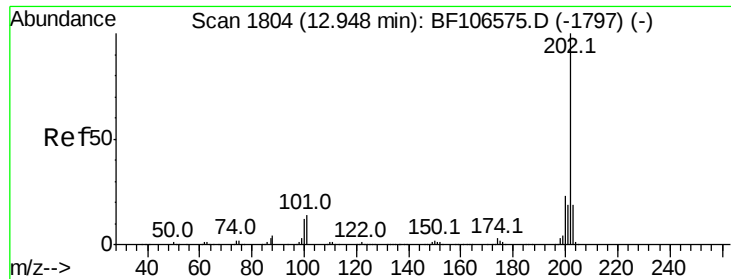
Delta R.T. -0.02 min

Lab File: BF107226.D

Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	113240		
120	8.7	9.5	14.3#	
236	26.6	20.7	31.1	





#77

Pvrene

Concen: 46.159 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107226.D

Acq: 9 Jul 2018 14:07

Instrument :

BNA_F

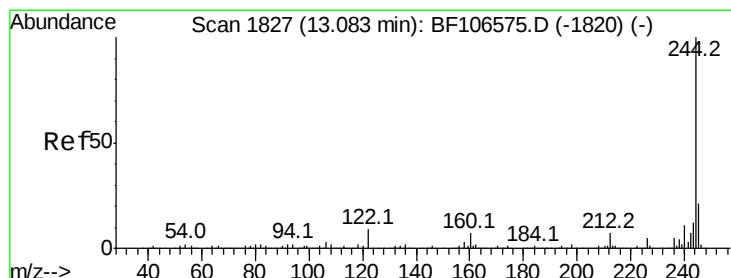
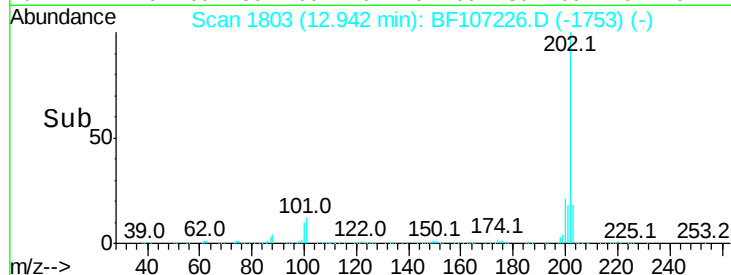
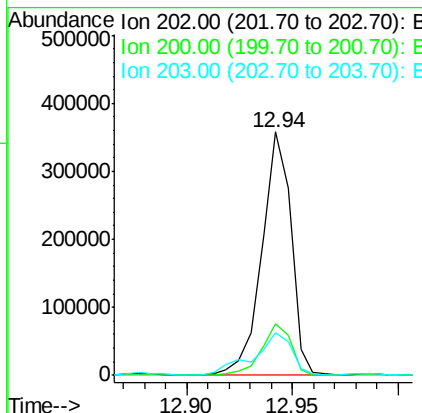
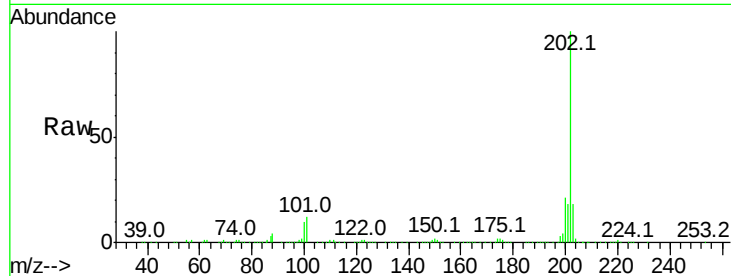
ClientSampleId :

SURCHARGE-SP-23

Tot Ion:	202	Resp:	344686
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 65.020 ng

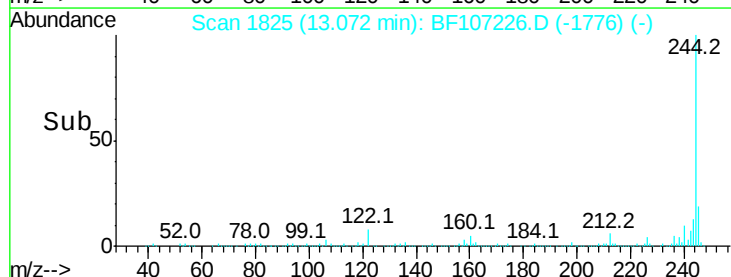
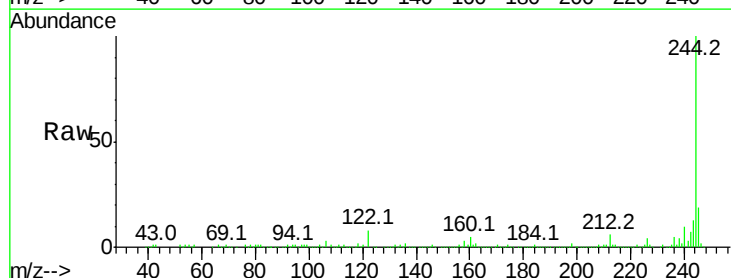
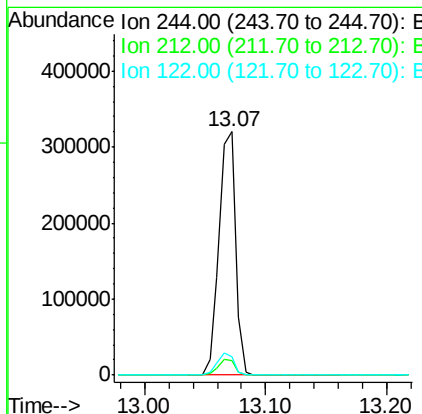
RT: 13.07 min Scan# 1825

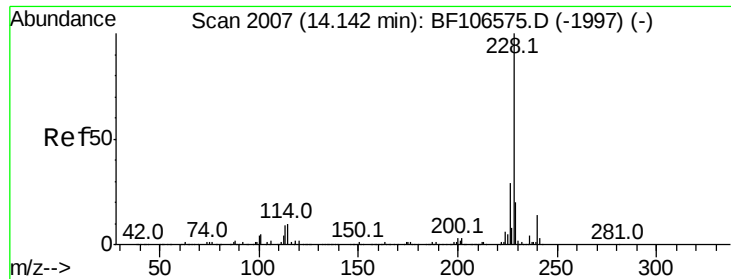
Delta R.T. -0.01 min

Lab File: BF107226.D

Acq: 9 Jul 2018 14:07

Tgt Ion:	244	Resp:	303963
Ion Ratio	Lower	Upper	
244	100		
212	5.9	5.4	8.0
122	7.7	11.0	16.4#





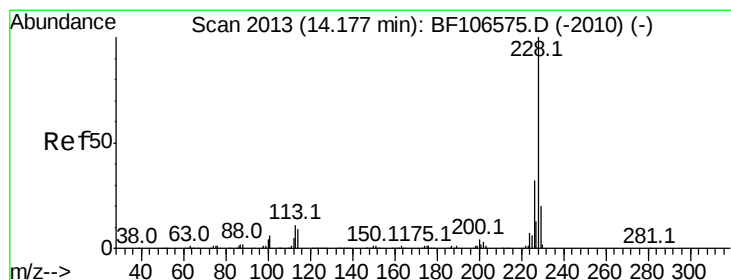
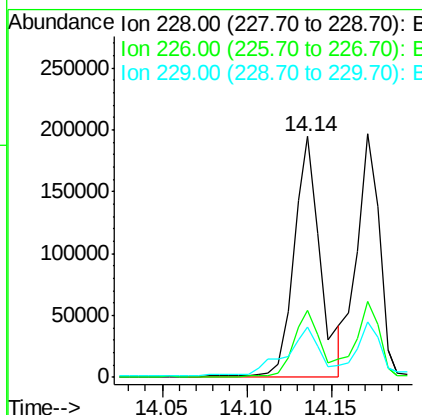
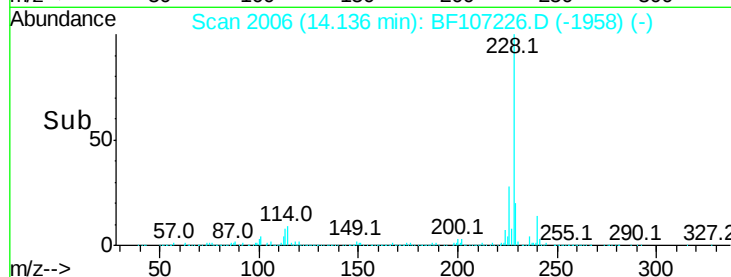
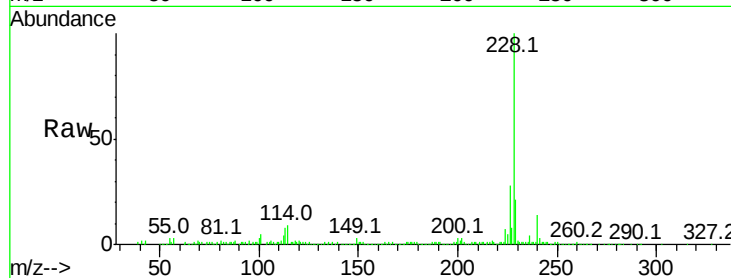
#80
Benzo(a)anthracene
Concen: 30.324 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.8	15.8	23.6

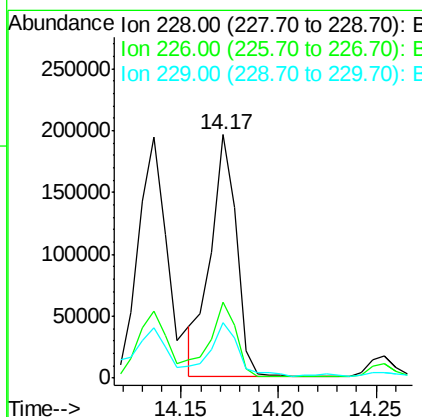
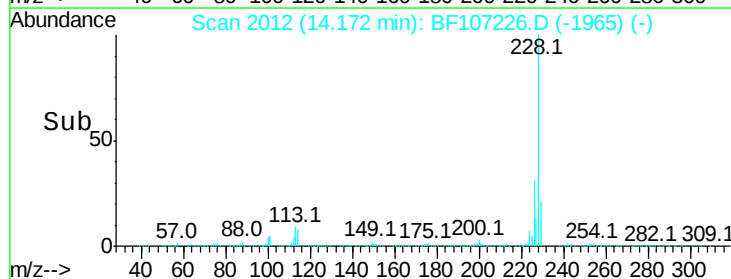
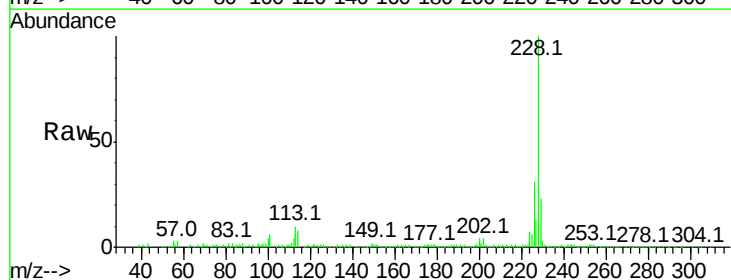
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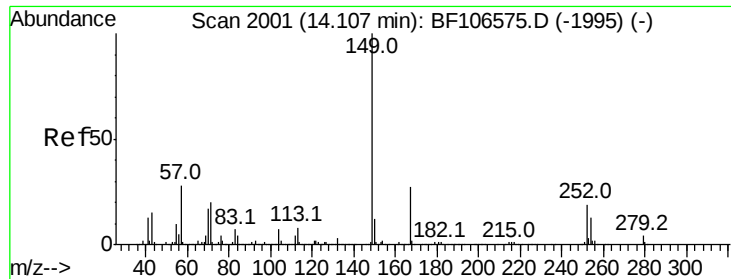
Sohil
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#82
Chrysene
Concen: 28.569 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.7	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 27.664 ng

RT: 14.08 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF107226.D

Acq: 9 Jul 2018 14:07

Instrument :

BNA_F

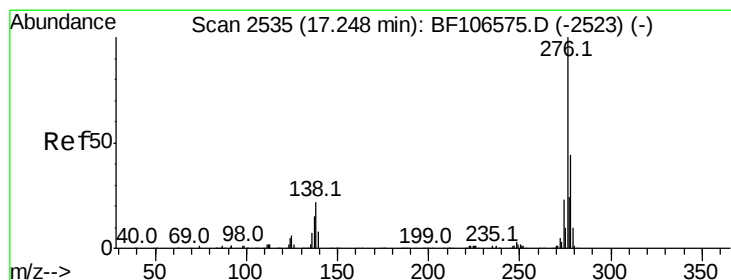
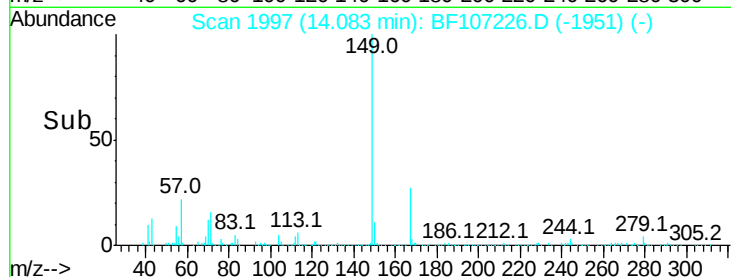
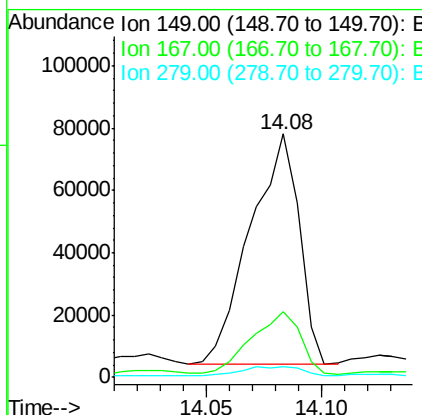
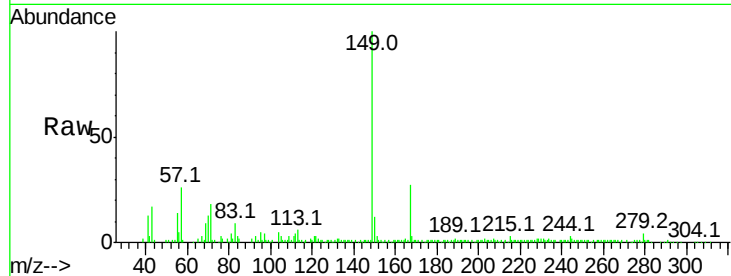
ClientSampleId :

SURCHARGE-SP-23

Tot Ion:	149	Resp:	108586
Ion Ratio	Lower	Upper	
149	100		
167	27.1	21.3	31.9
279	4.3	3.0	4.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 12.251 ng m

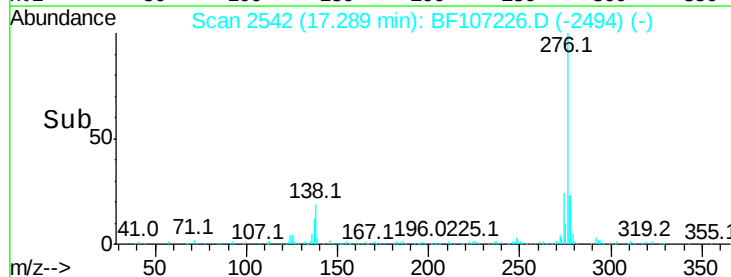
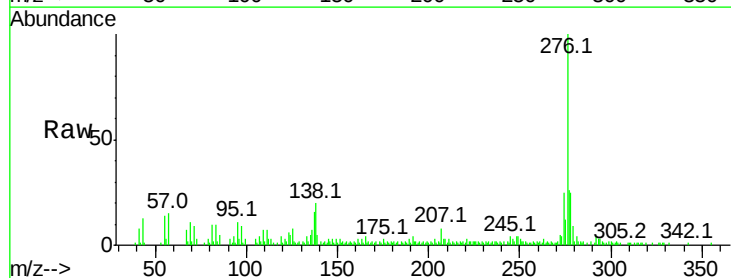
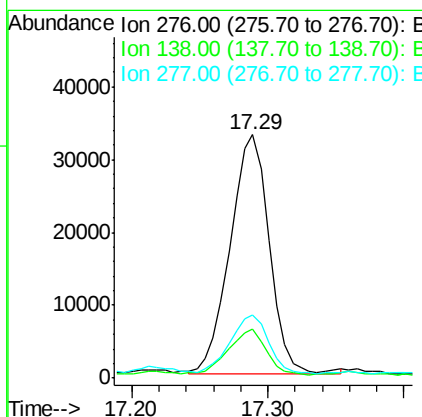
RT: 17.29 min Scan# 2542

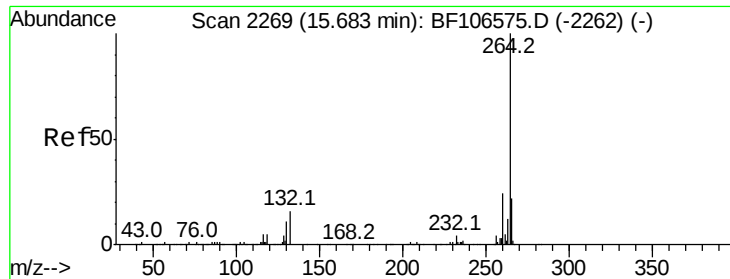
Delta R.T. -0.02 min

Lab File: BF107226.D

Acq: 9 Jul 2018 14:07

Tgt Ion:	276	Resp:	66014
Ion Ratio	Lower	Upper	
276	100		
138	1.6	25.0	37.6#
277	1.3	20.1	30.1#





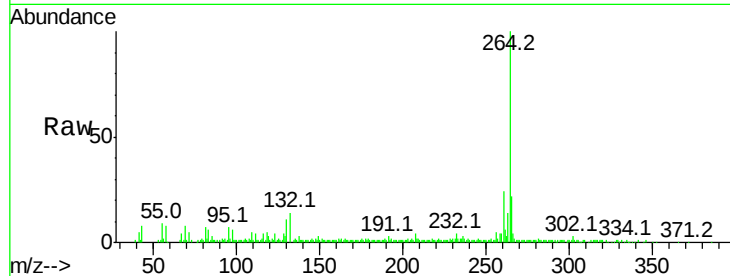
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

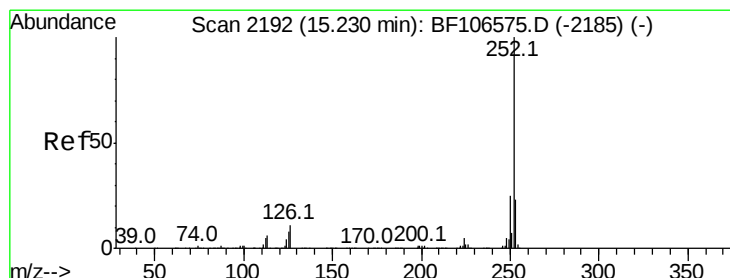
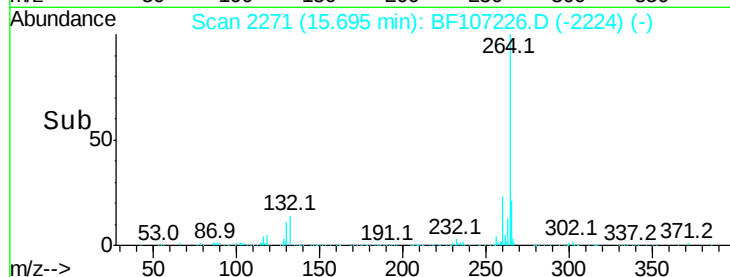
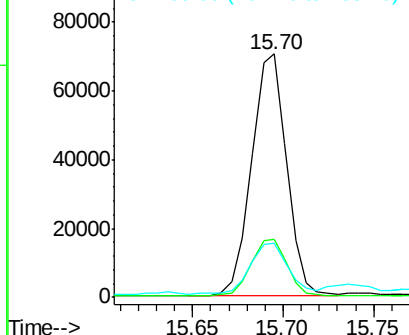
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.2	17.5	26.3

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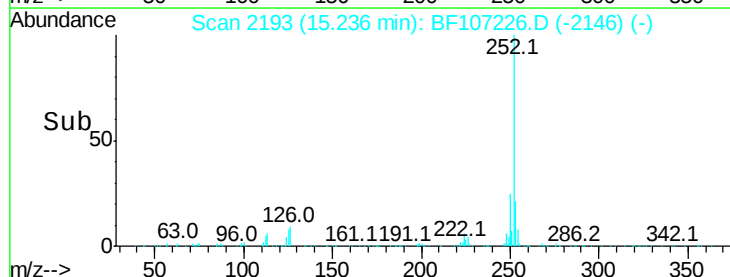
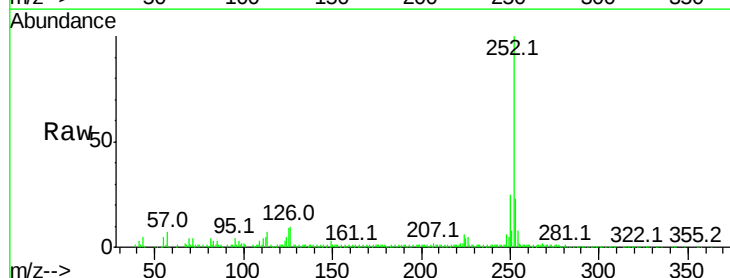
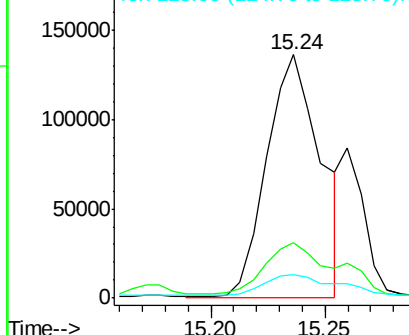
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

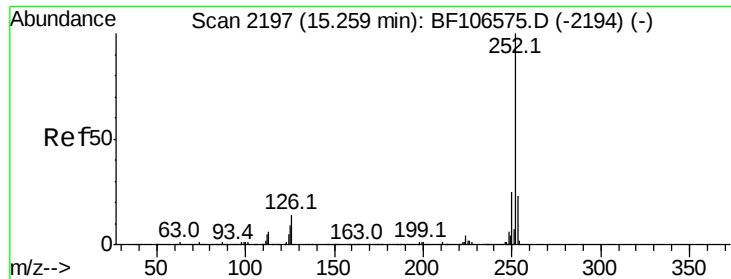


#87
Benzo(b)fluoranthene
Concen: 38.328 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	9.5	9.0	13.6

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





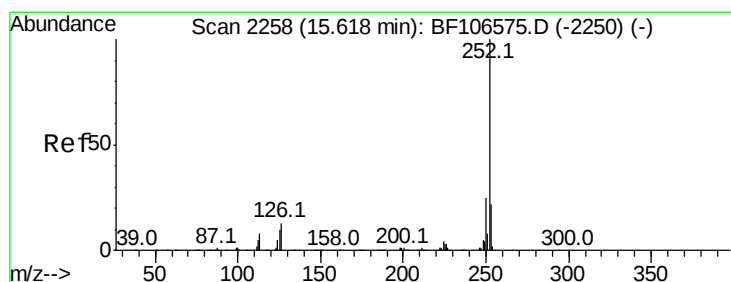
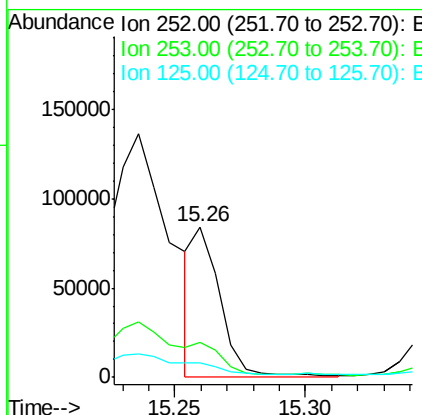
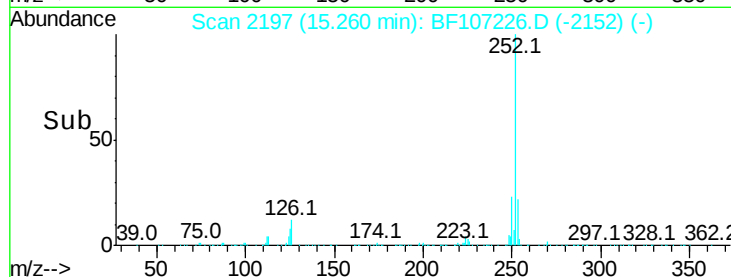
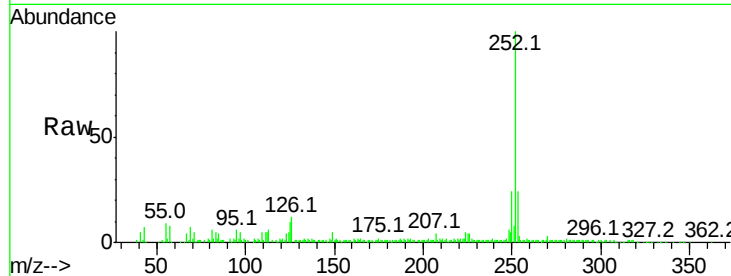
#88
Benzo(k)fluoranthene
Concen: 10.862 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	9.7	10.2	15.2#

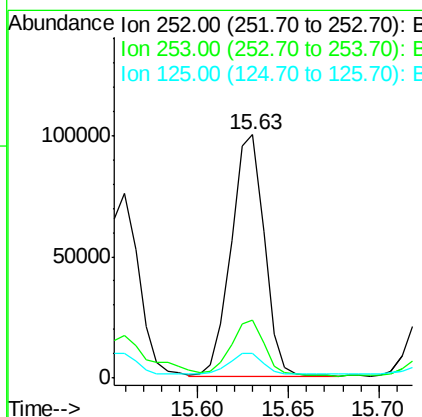
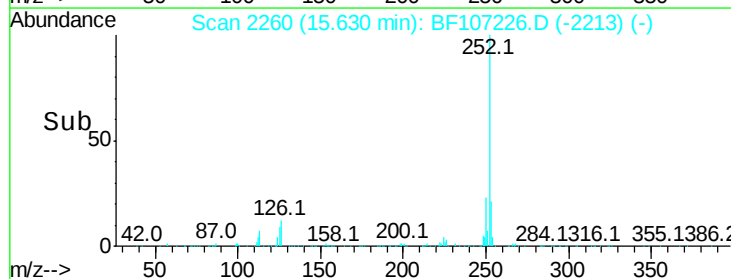
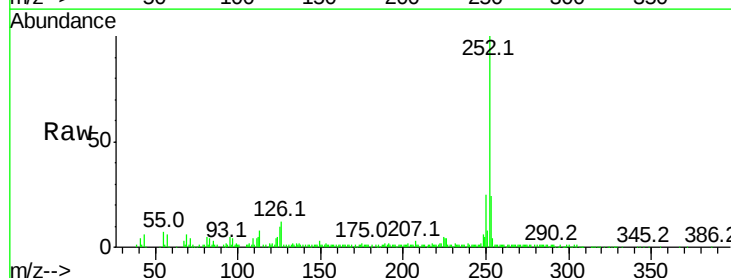
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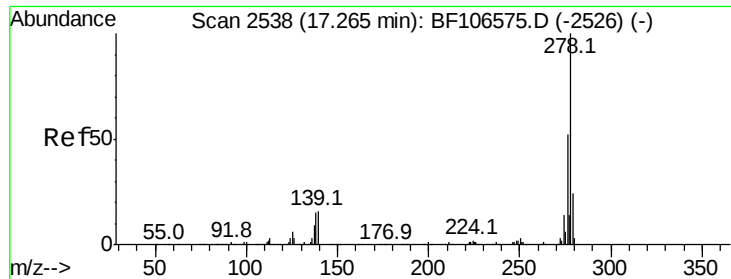
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#89
Benzo(a)pyrene
Concen: 24.401 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	10.2	9.8	14.6





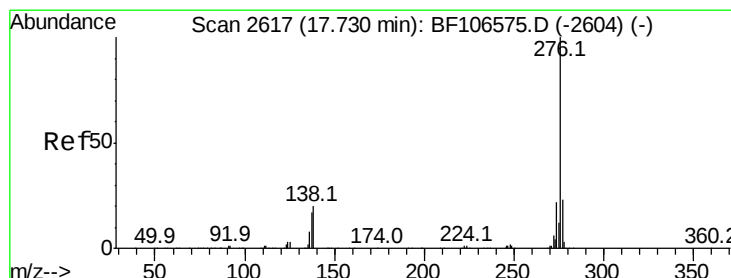
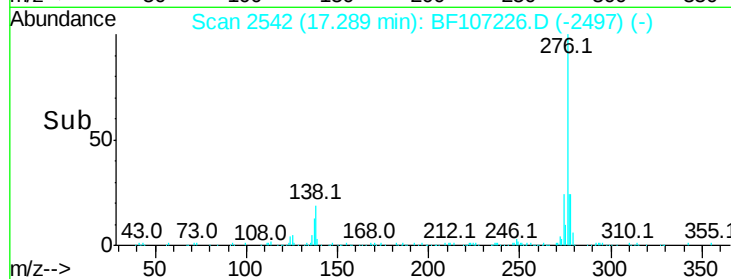
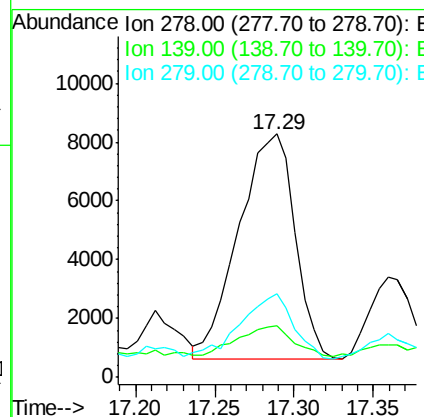
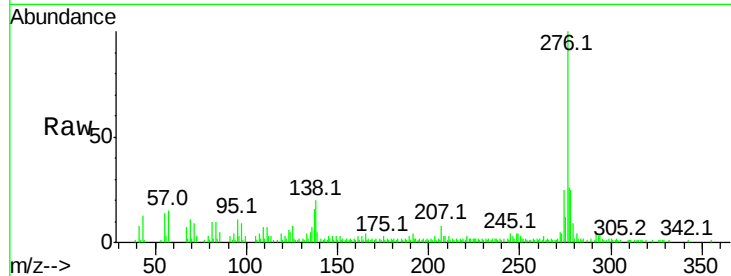
#90
Dibenzo(a,h)anthracene
Concen: 4.270 ng
RT: 17.29 min Scan# 2542
Delta R.T. -0.04 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.0	15.9	23.9
279	34.4	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 14.187 ng
RT: 17.78 min Scan# 2625
Delta R.T. -0.01 min
Lab File: BF107226.D
Acq: 9 Jul 2018 14:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	18.4	21.8	32.8

