

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107225.D
 Acq On : 9 Jul 2018 13:41
 Operator : JU/SJ
 Sample : J3881-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-22

Manual Integrations
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Quant Time: Jul 09 14:26:01 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	40891	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	154728	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	76343	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	138102	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	117292	20.00	ng	-0.02
86) Perylene-d12	15.69	264	103069	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	235088	97.35	ng	-0.01
7) Phenol-d6	6.60	99	296826	98.43	ng	-0.02
23) Nitrobenzene-d5	7.51	82	186625	67.03	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	88049	99.51	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	354705	77.31	ng	-0.02
78) Terphenyl-d14	13.07	244	378190	78.10	ng	-0.01

Target Compounds

						Qvalue
31) Naphthalene	8.25	128	15554	2.150	ng	99
49) Dimethylphthalate	9.70	163	56958	9.948	ng	99
51) Acenaphthene	10.02	154	14143	2.970	ng	98
54) Dibenzofuran	10.20	168	13645	2.093	ng	93
57) Fluorene	10.54	166	14300	2.764	ng	# 97
70) Phenanthrene	11.51	178	118178	17.742	ng	98
71) Anthracene	11.56	178	39471	5.806	ng	99
74) Fluoranthene	12.71	202	247606	33.726	ng	96
77) Pyrene	12.94	202	236268	30.547	ng	99
80) Benzo(a)anthracene	14.13	228	137815	19.279	ng	98
82) Chrysene	14.17	228	135941	20.670	ng	97
83) Bis(2-ethylhexyl)phthalate	14.08	149	8410	2.069	ng	# 84
85) Indeno(1,2,3-cd)pyrene	17.28	276	51780	9.278	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	160887m	25.128	ng	
88) Benzo(k)fluoranthene	15.26	252	60461m	9.916	ng	
89) Benzo(a)pyrene	15.62	252	105151	18.474	ng	95
90) Dibenzo(a,h)anthracene	17.28	278	15293	3.170	ng	# 84
91) Benzo(g,h,i)perylene	17.78	276	50781	10.771	ng	# 90

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

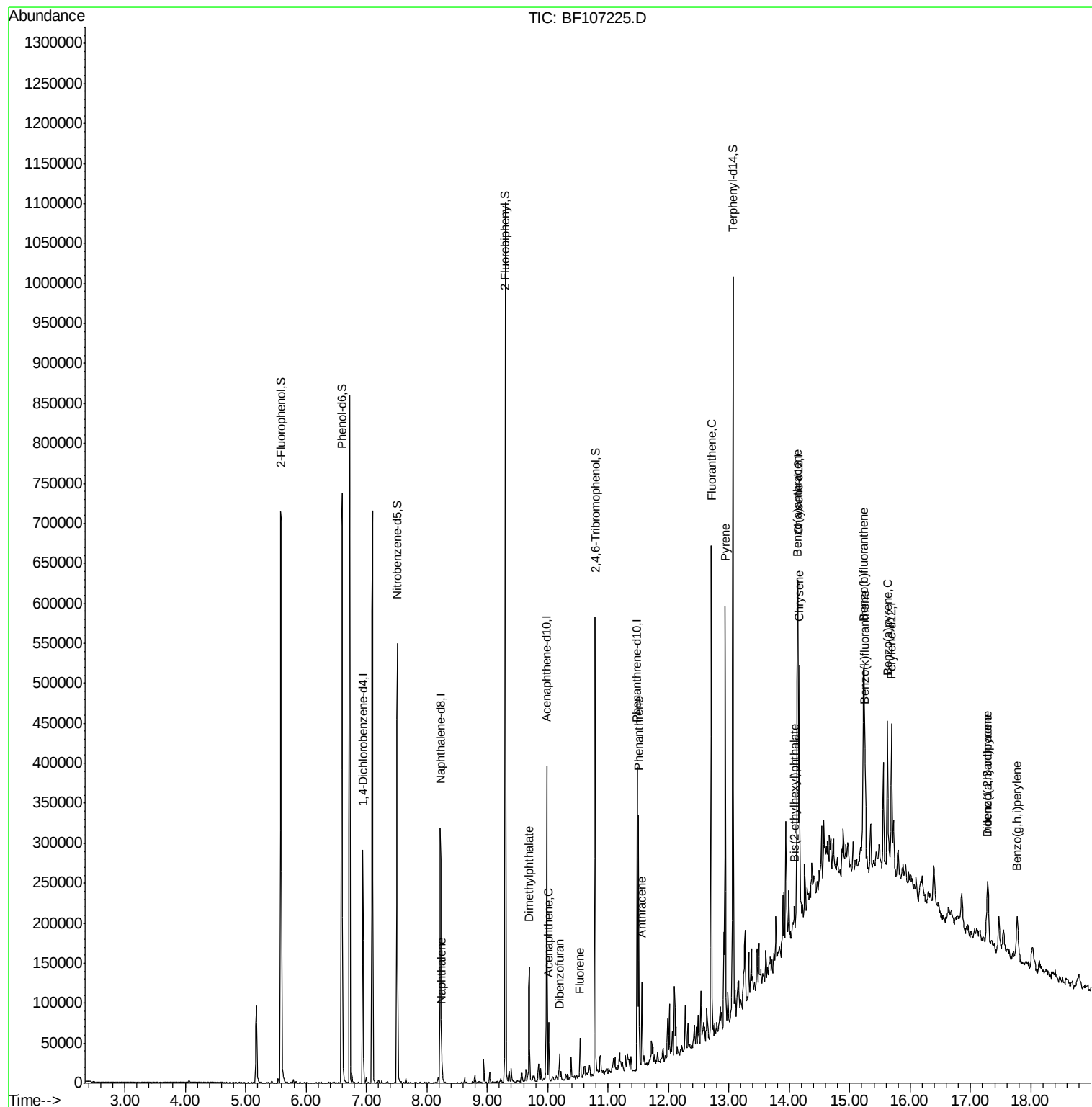
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107225.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

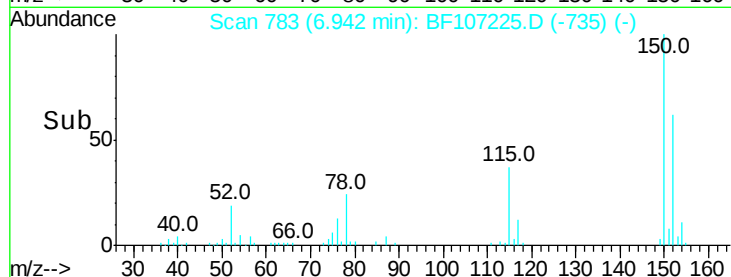
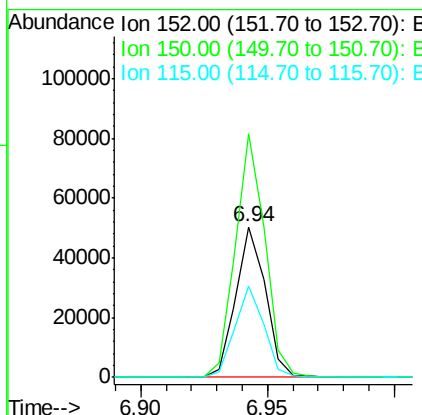
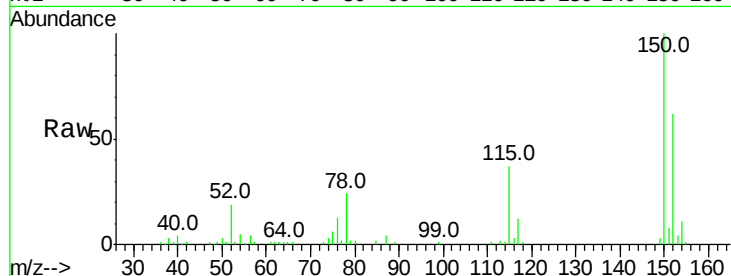
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.6	186.8
115	60.5	50.1	75.1

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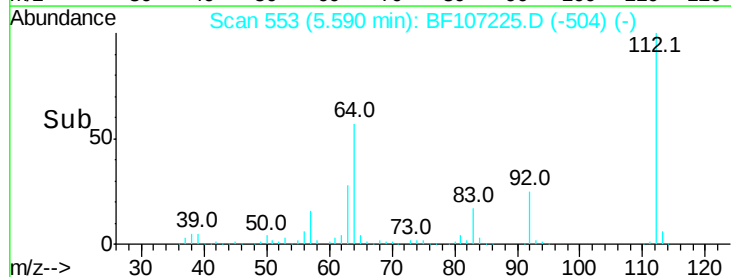
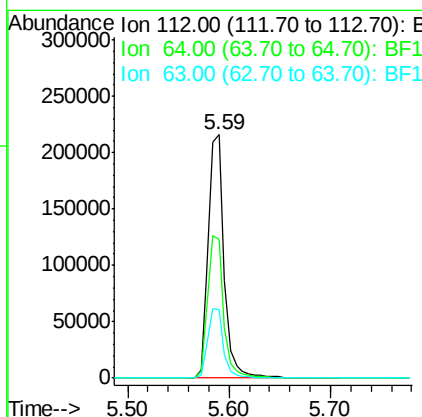
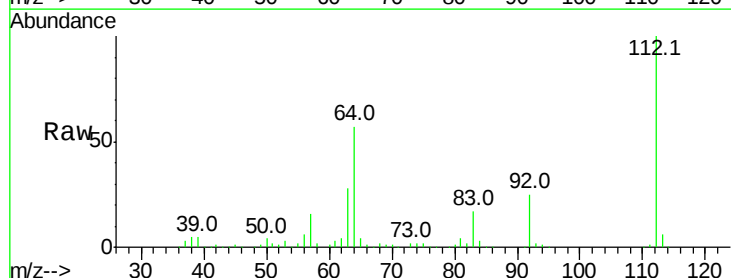
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#5

2-Fluorophenol
Concen: 97.351 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	28.0	23.7	35.5





#7

Phenol-d6

Concen: 98.428 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107225.D

Acq: 9 Jul 2018 13:41

Instrument :

BNA_F

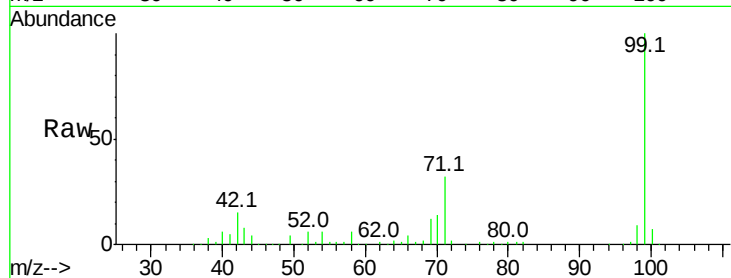
ClientSampleId :

SURCHARGE-SP-22

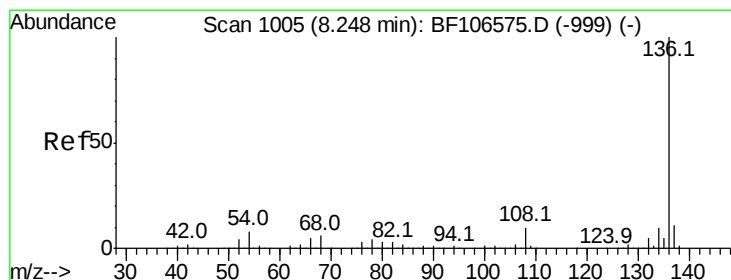
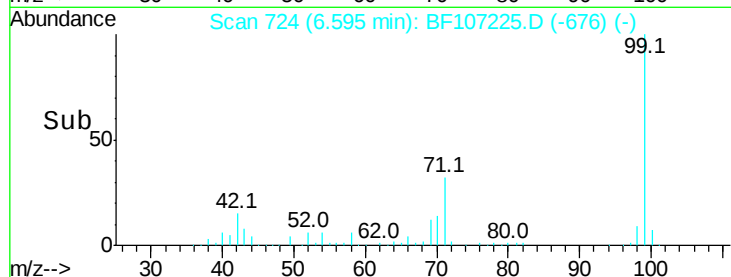
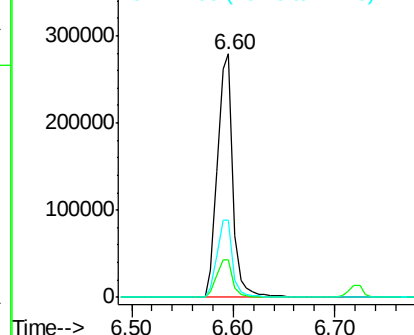
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		296826		
42	15.4	14.5	21.7		
71	31.9	25.4	38.0		

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1001

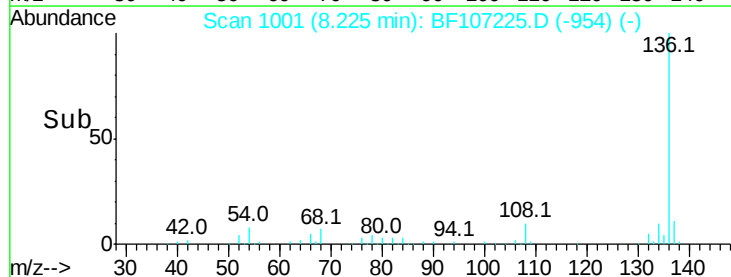
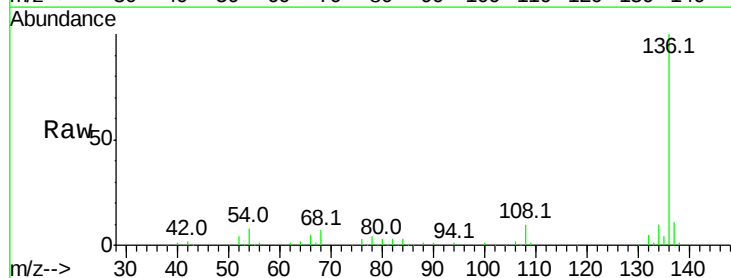
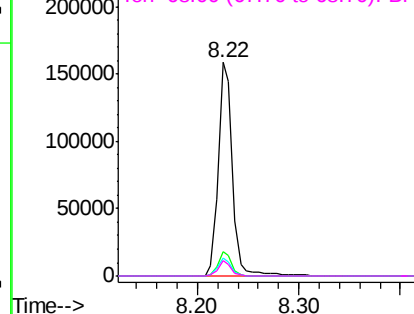
Delta R.T. -0.02 min

Lab File: BF107225.D

Acq: 9 Jul 2018 13:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		154728		
137	11.1	8.9	13.3		
54	8.3	6.6	9.8		
68	7.0	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





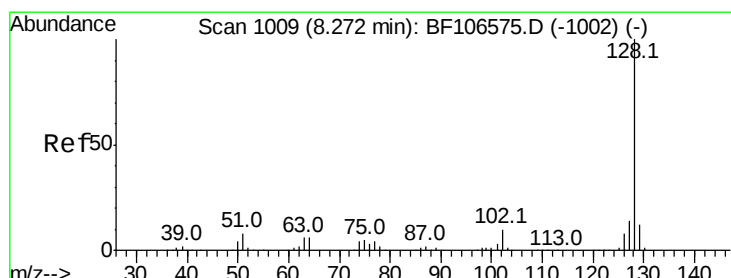
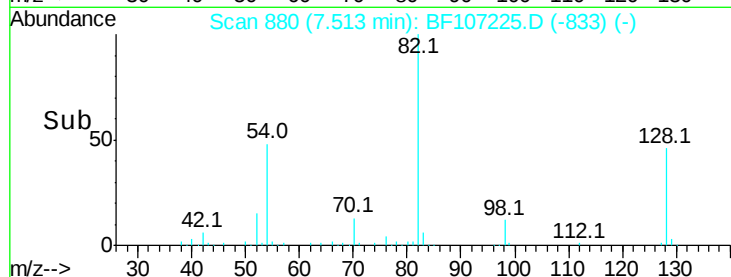
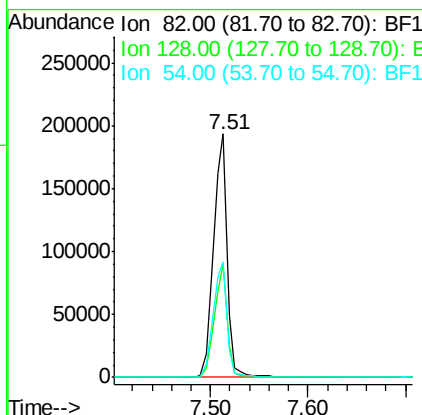
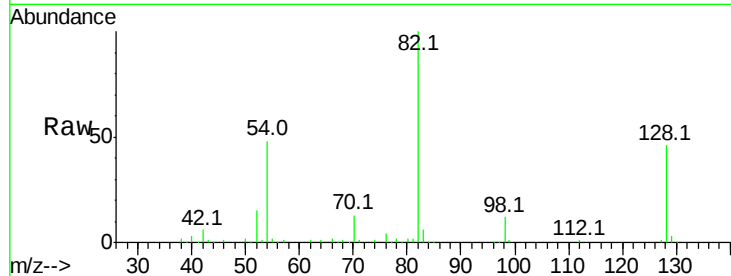
#23
Nitrobenzene-d5
Concen: 67.030 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	47.6	41.4	62.2

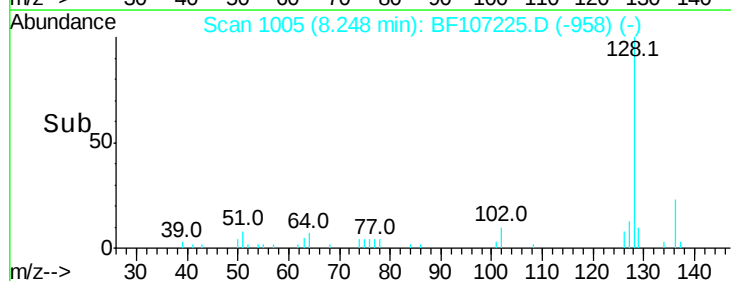
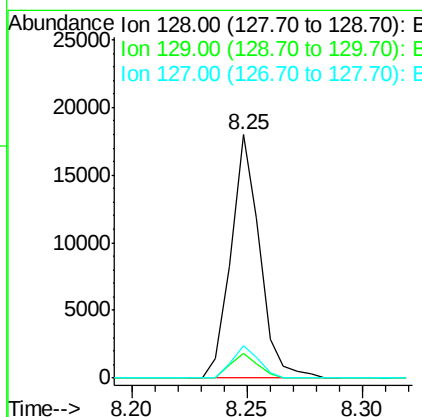
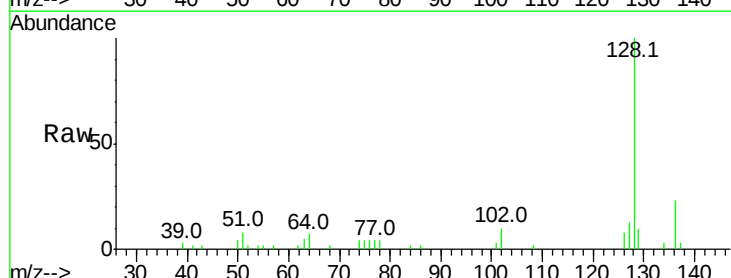
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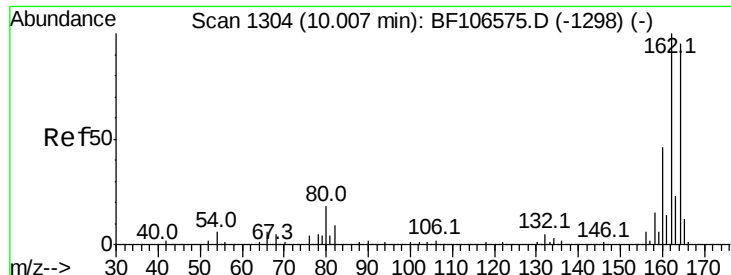
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#31
Naphthalene
Concen: 2.150 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.8	13.2
127	13.4	10.9	16.3





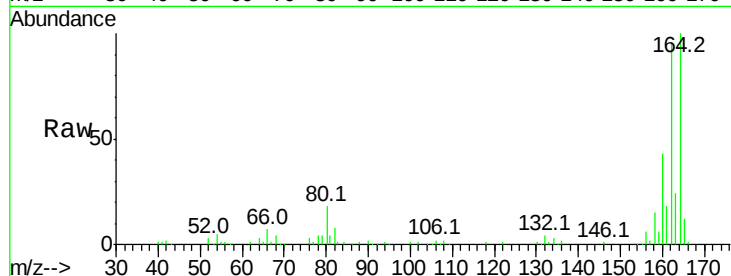
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107225.D
 Acq: 9 Jul 2018 13:41

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-22

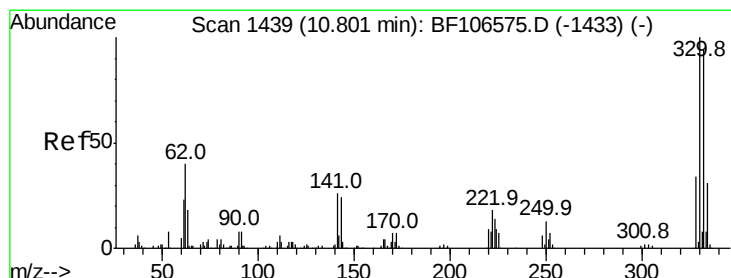
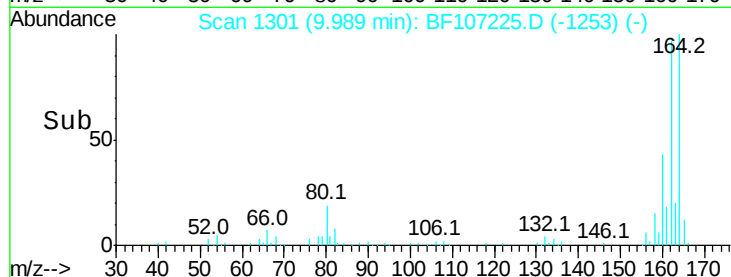
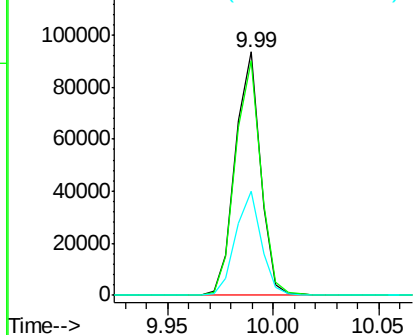
Tot Ion	Ratio	Lower	Upper
164	100		
162	96.4	86.1	129.1
160	42.6	38.3	57.5

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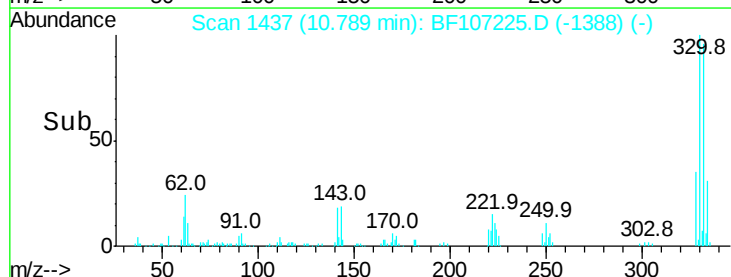
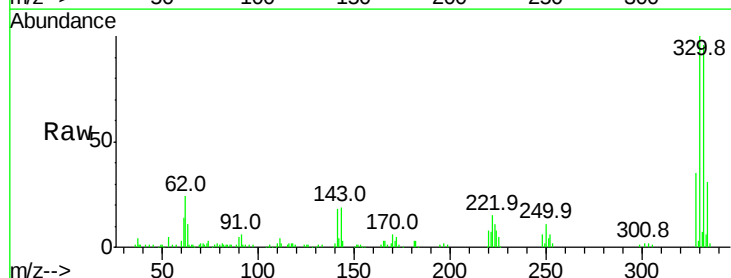
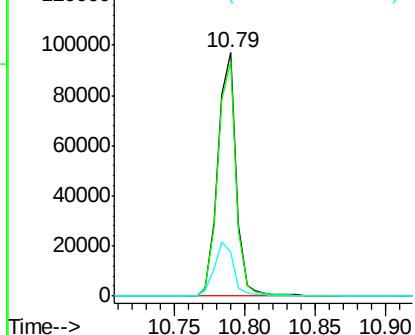
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



#41
 2,4,6-Tribromophenol
 Concen: 99.509 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107225.D
 Acq: 9 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	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





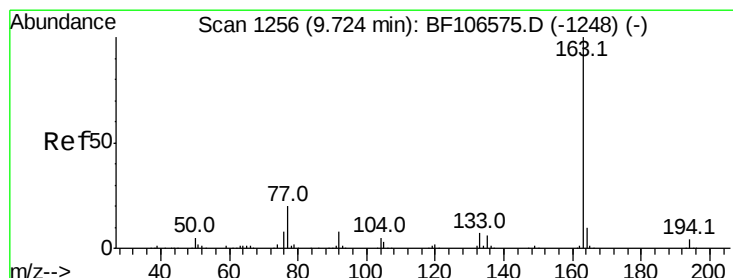
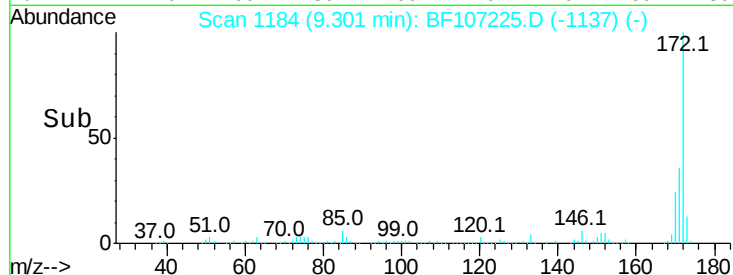
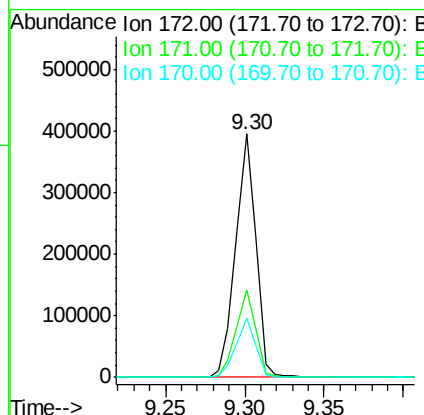
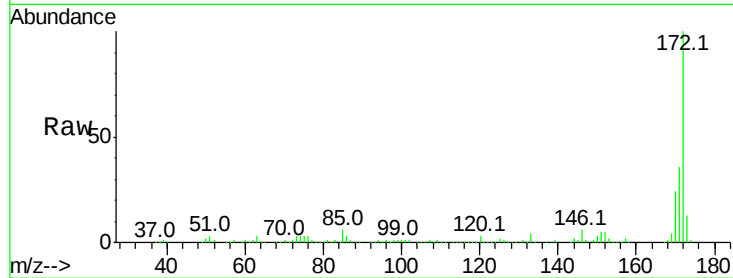
#44
2-Fluorobiphenyl
Concen: 77.308 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.7	44.5	
170	24.2	19.6	29.4	

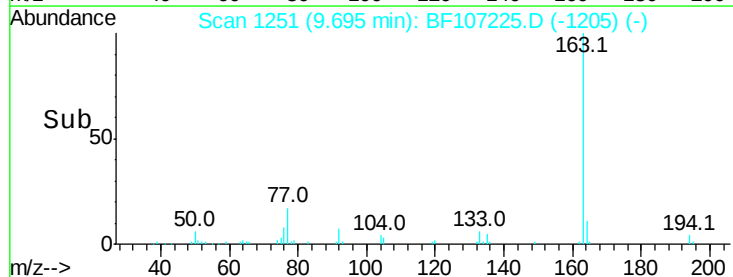
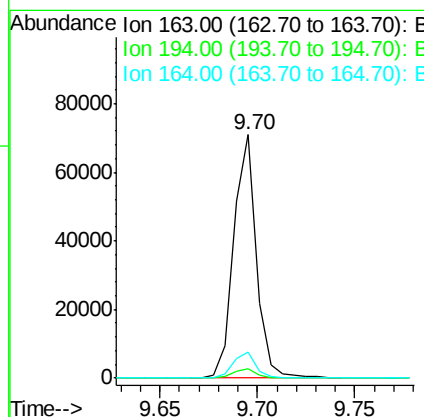
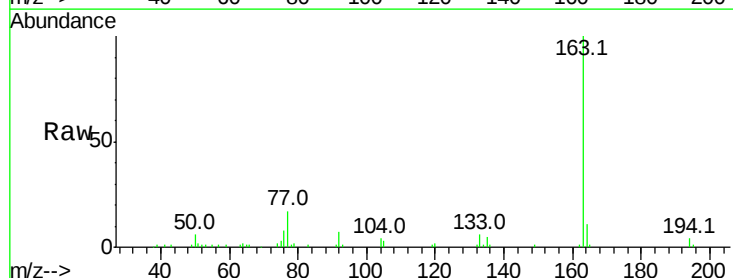
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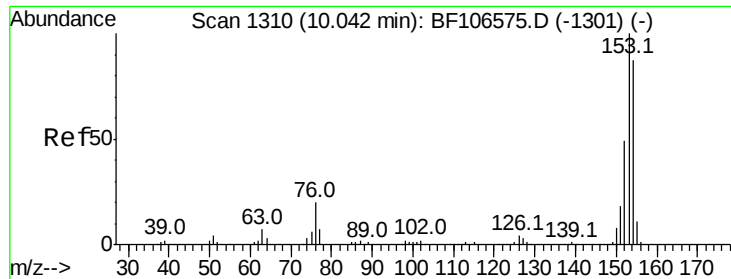
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#49
Dimethylphthalate
Concen: 9.948 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.7	4.1	
164	10.6	8.2	12.2	





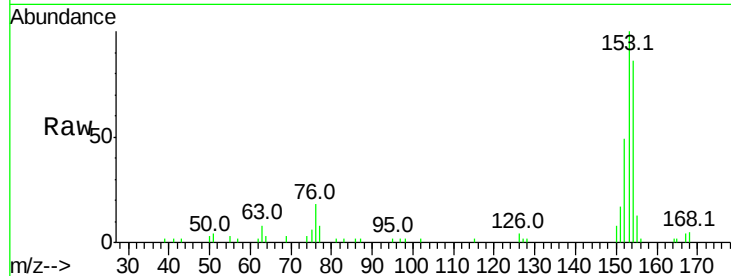
#51
Acenaphthene
Concen: 2.970 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

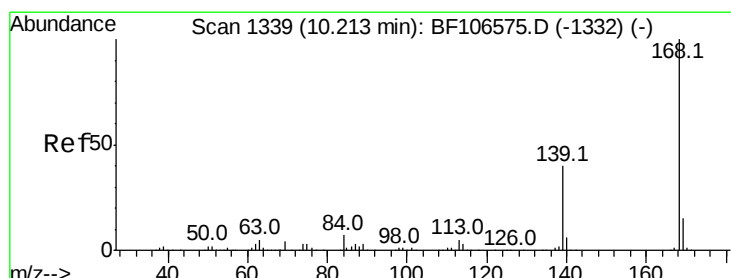
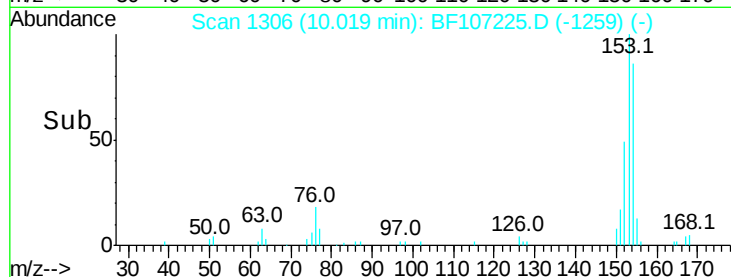
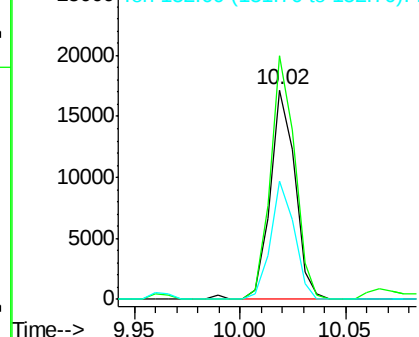
Tot Ion	Ratio	Lower	Upper
154	100		
153	116.2	91.2	136.8
152	56.7	43.8	65.8

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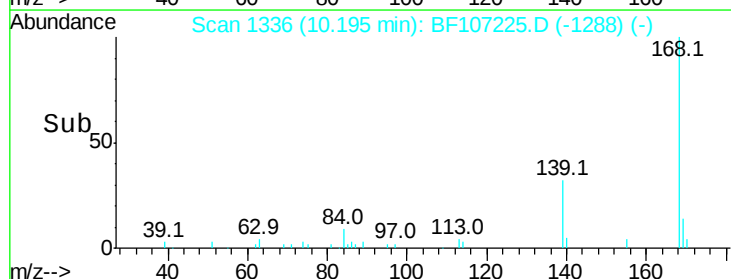
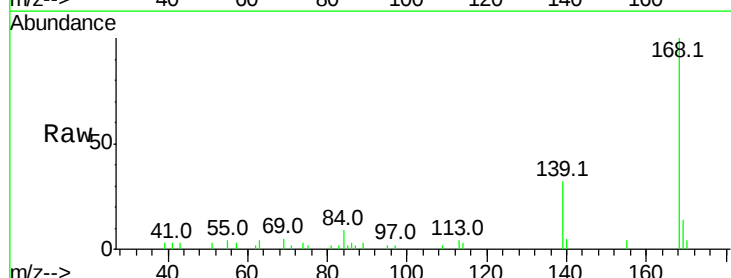
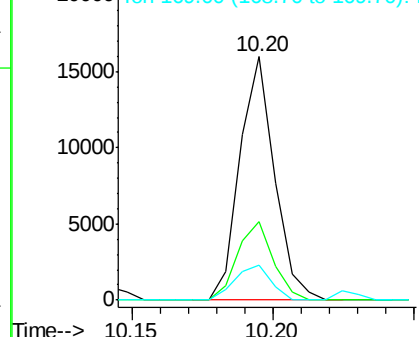
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

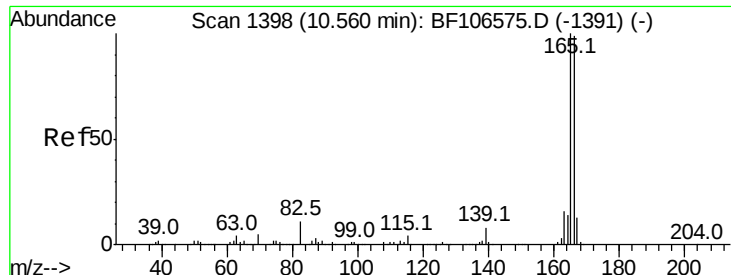


#54
Dibenzofuran
Concen: 2.093 ng
RT: 10.20 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
168	100		
139	32.1	30.1	45.1
169	14.1	10.9	16.3

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: 2.764 ng

RT: 10.54 min Scan# 1394

Delta R.T. -0.02 min

Lab File: BF107225.D

Acq: 9 Jul 2018 13:41

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-22

Tot Ion:166 Resp: 14300

Ion Ratio Lower Upper

166 100

165 101.7 79.8 119.8

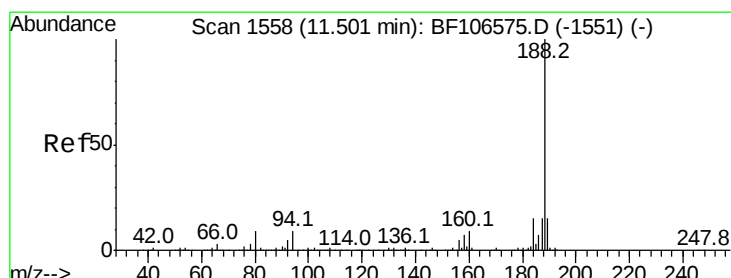
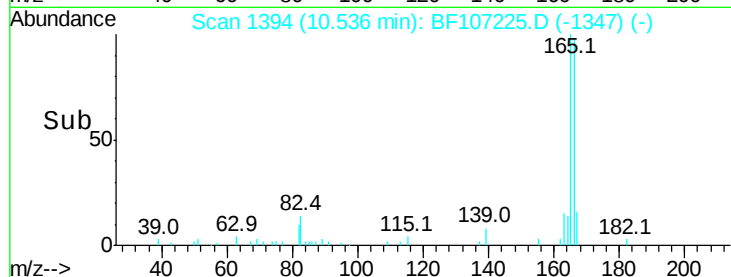
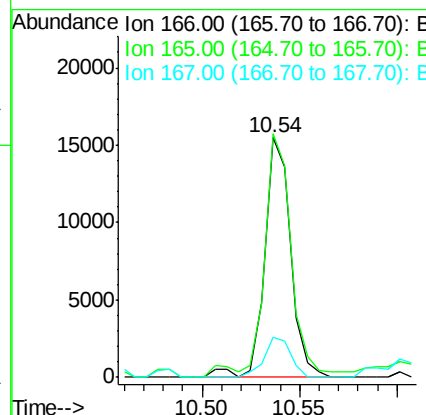
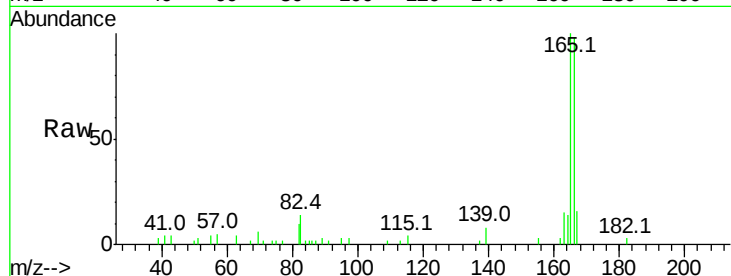
167 16.6 10.6 16.0#

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF107225.D

Acq: 9 Jul 2018 13:41

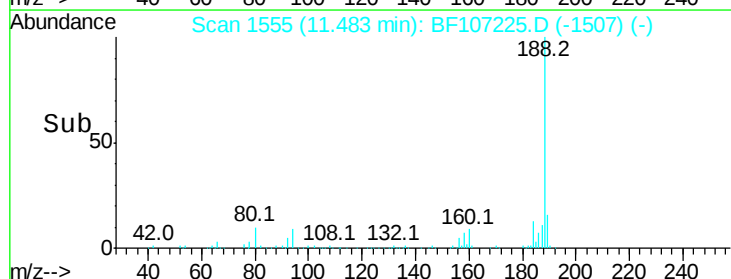
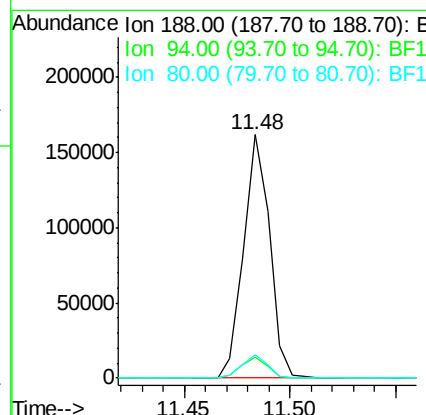
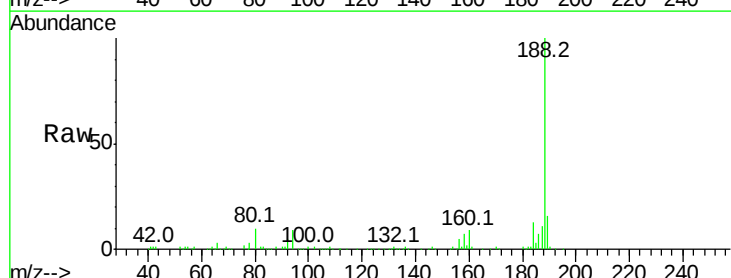
Tgt Ion:188 Resp: 138102

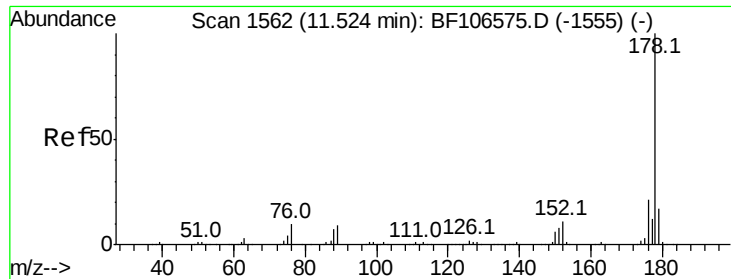
Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

80 9.9 9.2 13.8





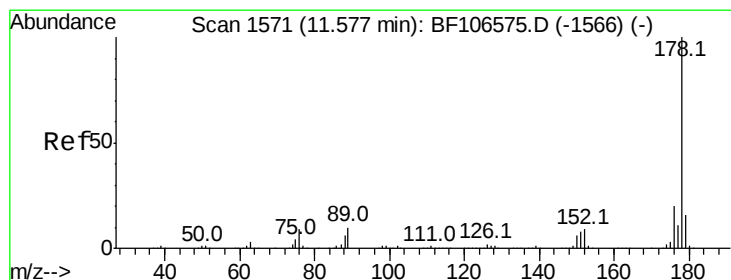
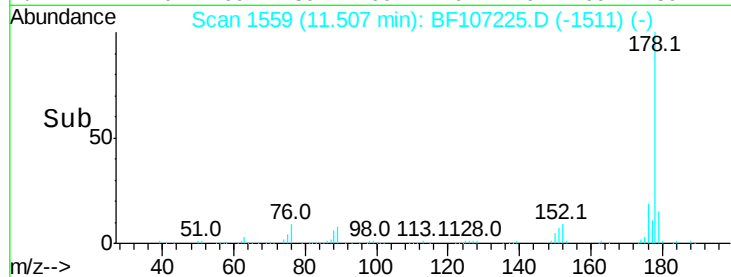
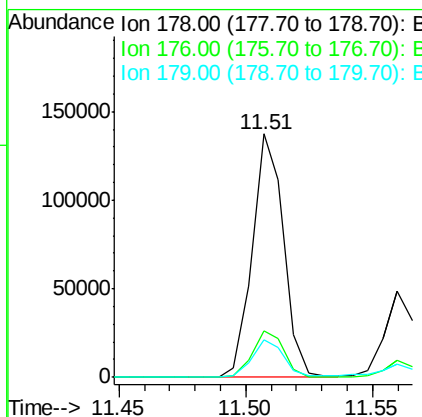
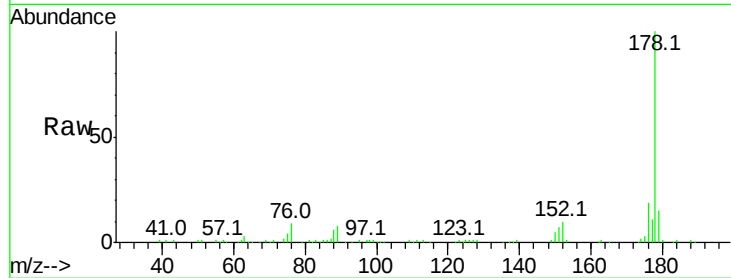
#70
Phenanthrene
Concen: 17.742 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.3	13.0	19.6

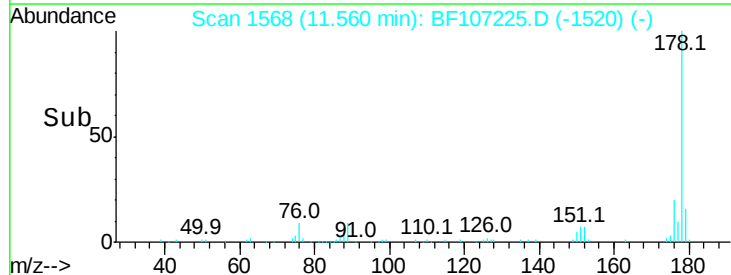
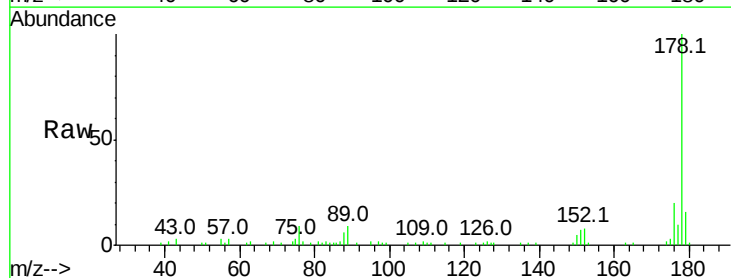
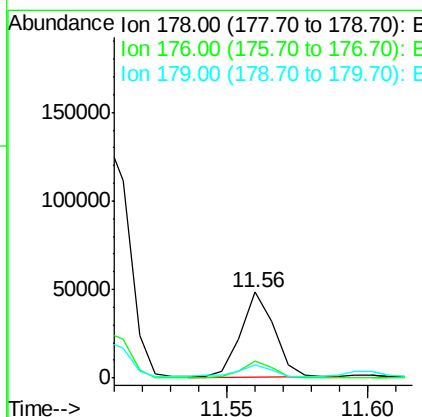
Manual Integrations
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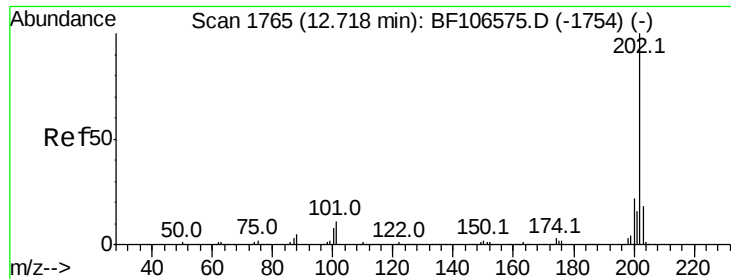
Sohil
7/10/2018 2:46:12 PM



#71
Anthracene
Concen: 5.806 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.1	12.6	19.0





#74

Fluoranthene

Concen: 33.726 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107225.D

Acq: 9 Jul 2018 13:41

Instrument :

BNA_F

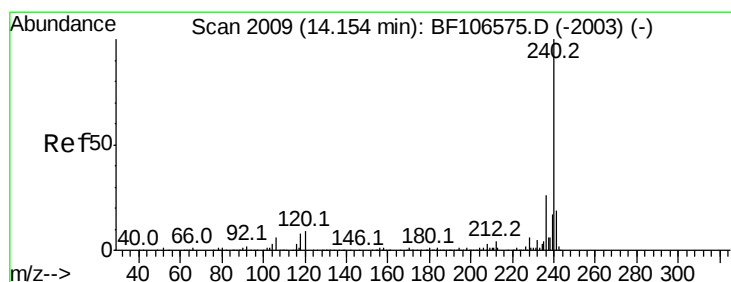
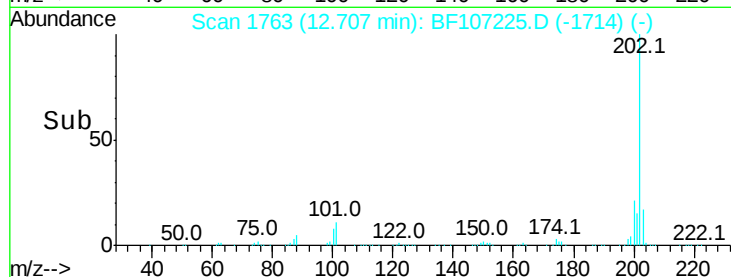
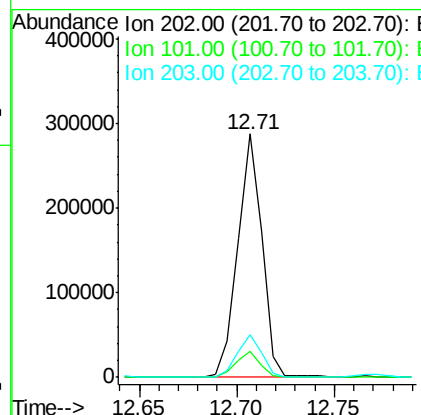
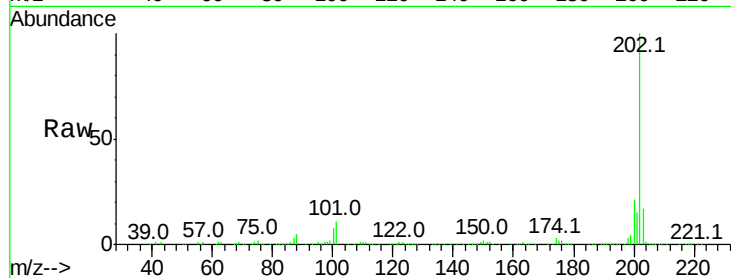
ClientSampleId :

SURCHARGE-SP-22

Tot Ion	Ratio	Resp	Lower	Upper
202	100	247606		
101	10.8	0.0	34.1	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

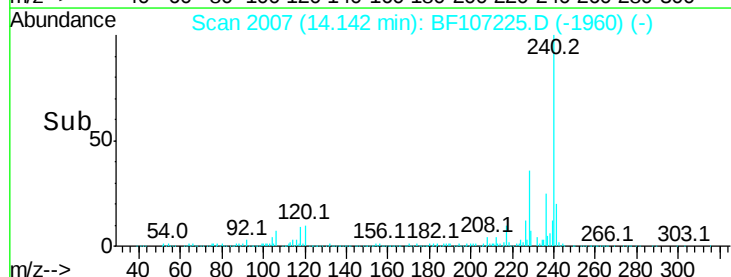
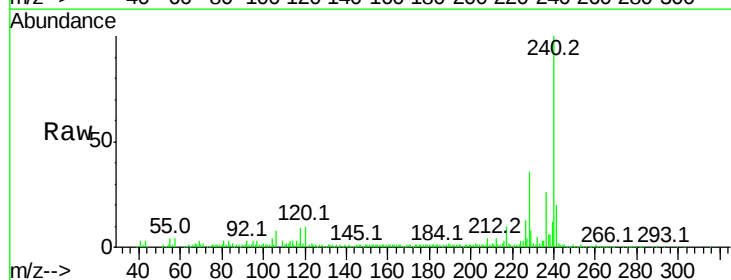
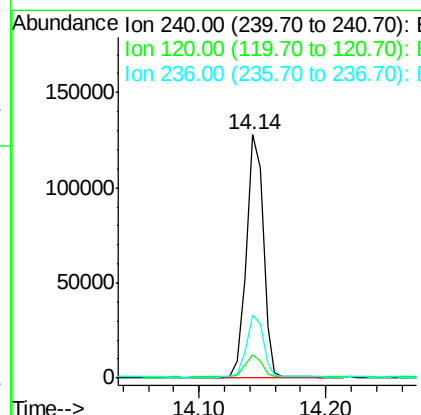
RT: 14.14 min Scan# 2007

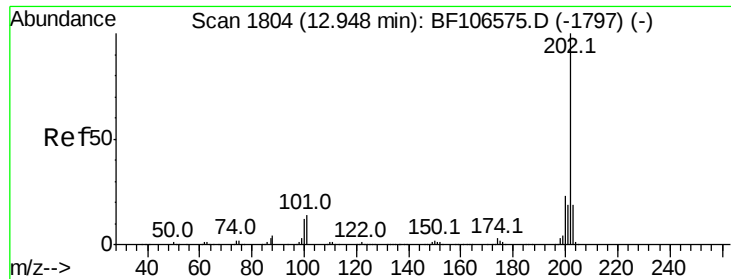
Delta R.T. -0.02 min

Lab File: BF107225.D

Acq: 9 Jul 2018 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	117292		
120	9.8	9.5	14.3	
236	25.9	20.7	31.1	





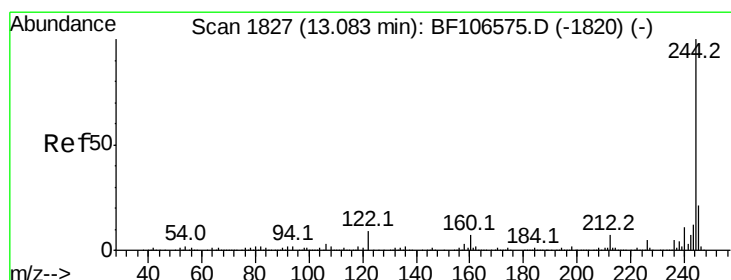
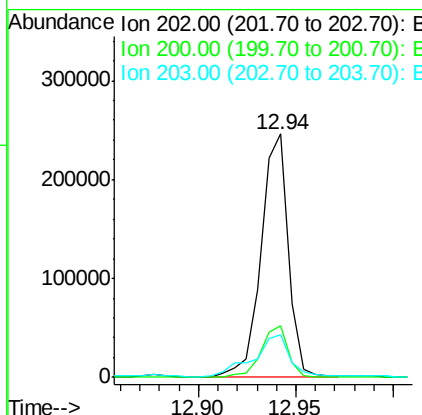
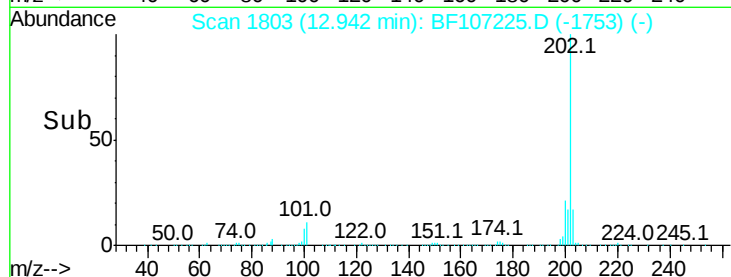
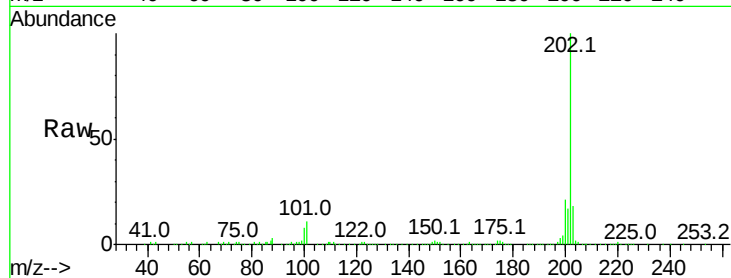
#77
Pvrene
Concen: 30.547 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.7	14.3	21.5

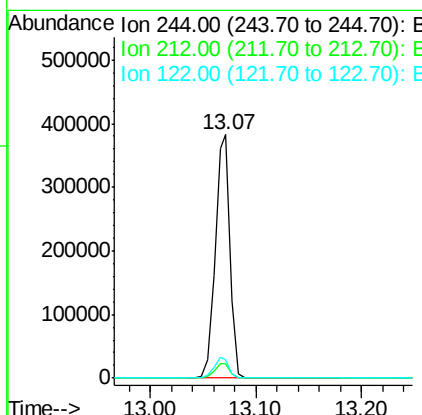
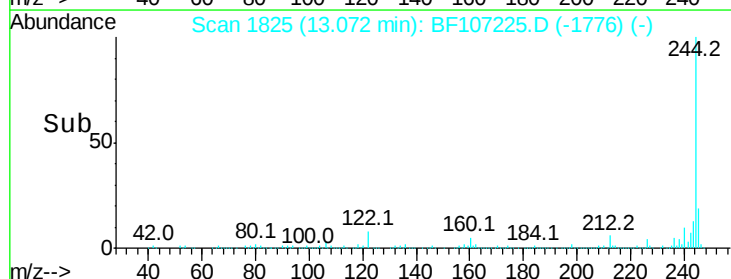
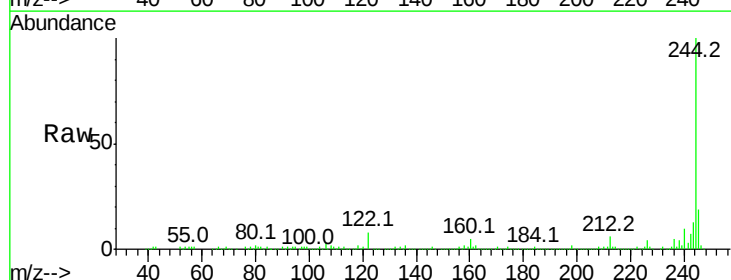
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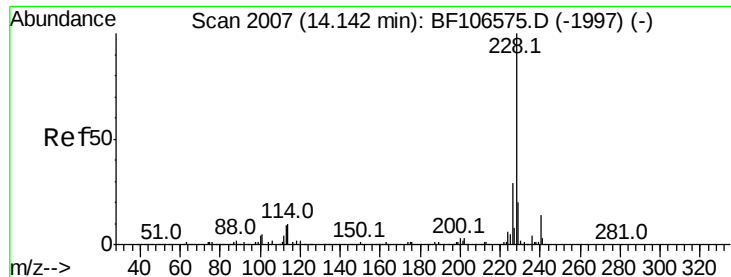
Sohil
7/10/2018 2:46:12 PM



#78
Terphenyl-d14
Concen: 78.103 ng
RT: 13.07 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	7.8	11.0	16.4#





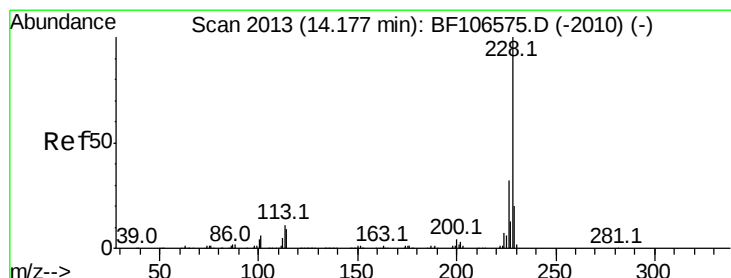
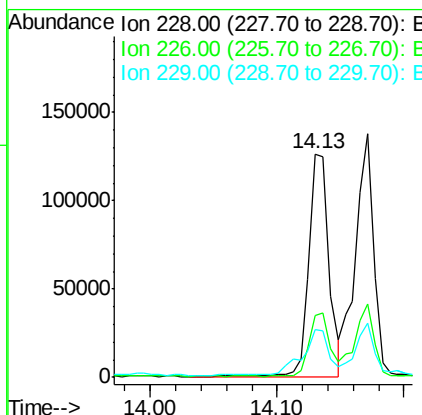
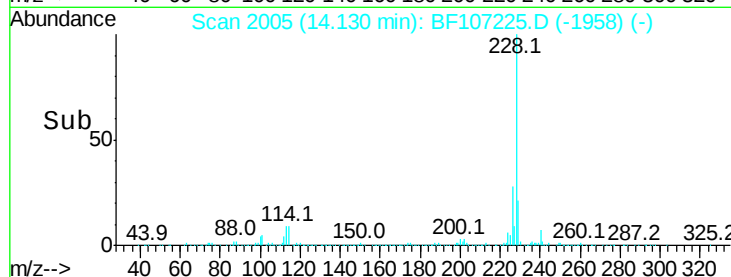
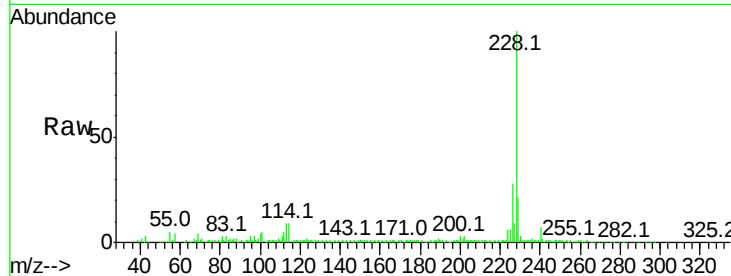
#80
Benzo(a)anthracene
Concen: 19.279 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	21.3	15.8	23.6

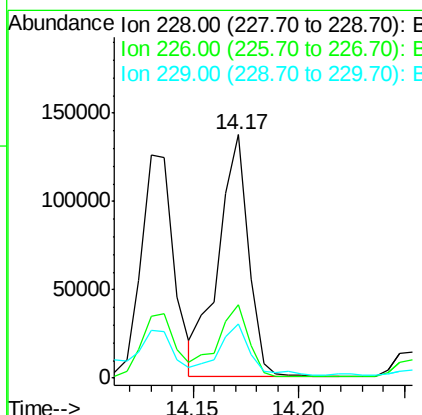
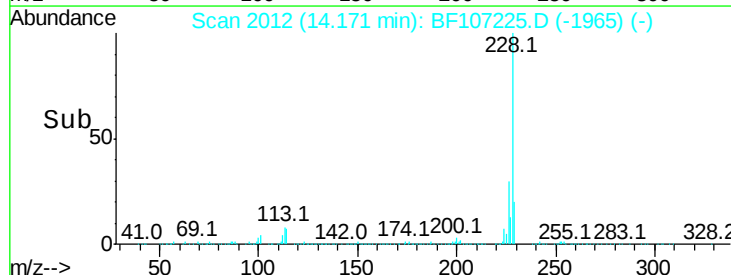
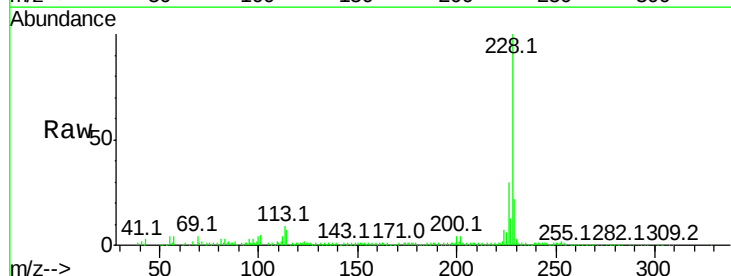
Manual Integrations
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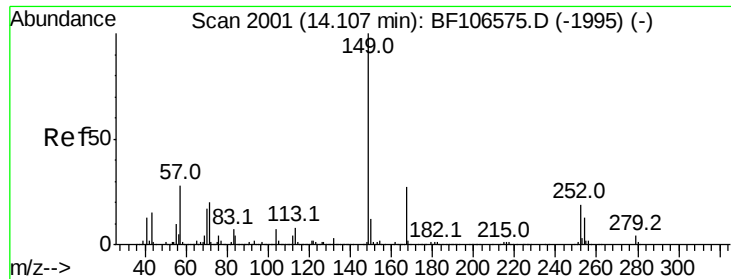
Sohil
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#82
Chrysene
Concen: 20.670 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.2	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.069 ng

RT: 14.08 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF107225.D

Acq: 9 Jul 2018 13:41

Instrument :

BNA_F

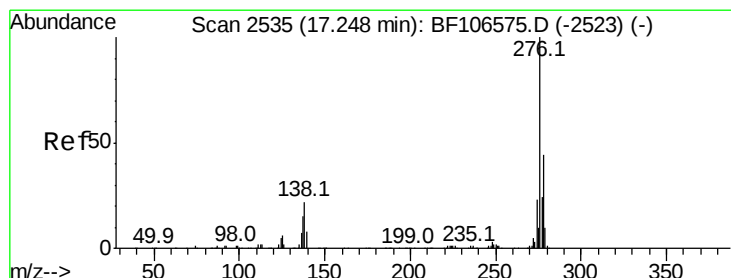
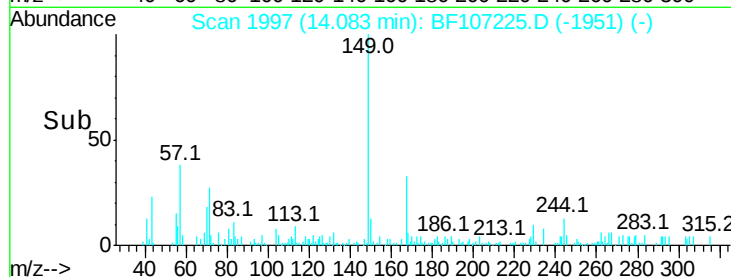
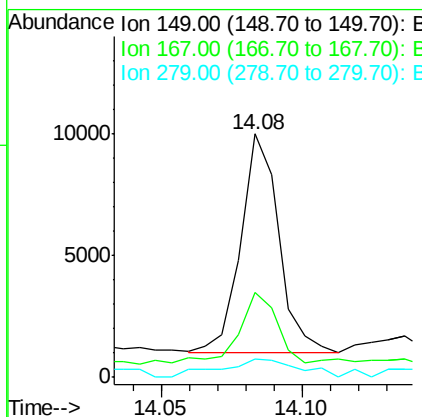
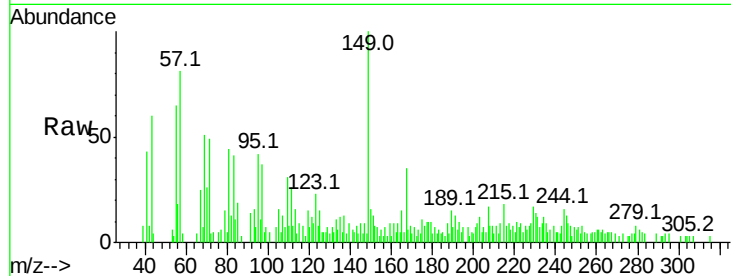
ClientSampleId :

SURCHARGE-SP-22

Tot Ion:	149	Resp:	8410
Ion Ratio	Lower	Upper	
149	100		
167	35.1	21.3	31.9#
279	7.7	3.0	4.4#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.278 ng

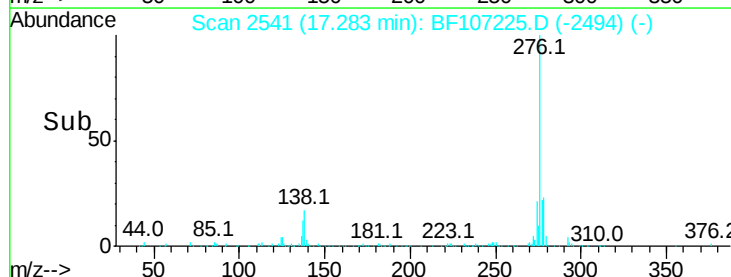
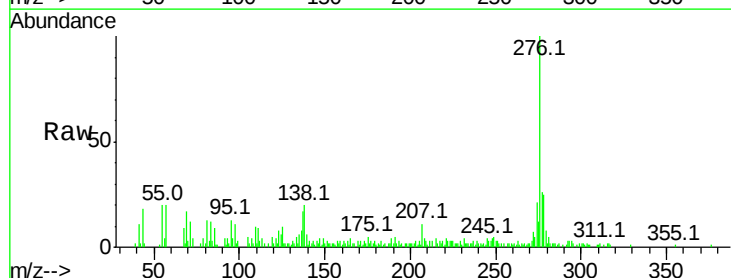
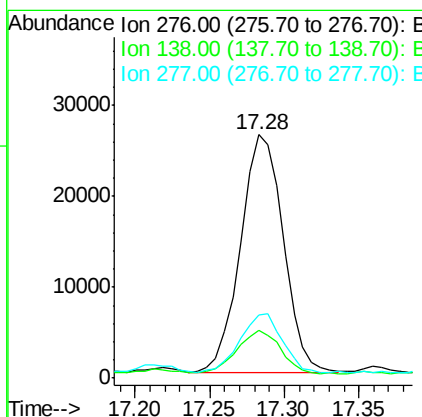
RT: 17.28 min Scan# 2541

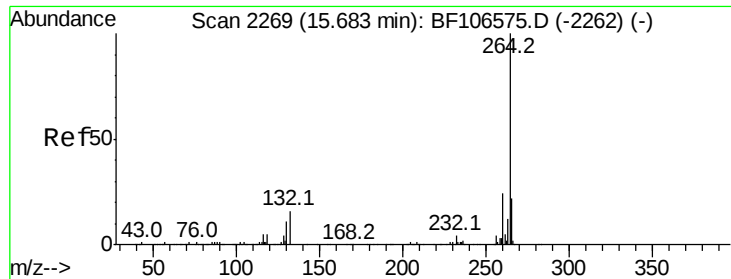
Delta R.T. -0.02 min

Lab File: BF107225.D

Acq: 9 Jul 2018 13:41

Tgt Ion:	276	Resp:	51780
Ion Ratio	Lower	Upper	
276	100		
138	19.3	25.0	37.6#
277	24.8	20.1	30.1





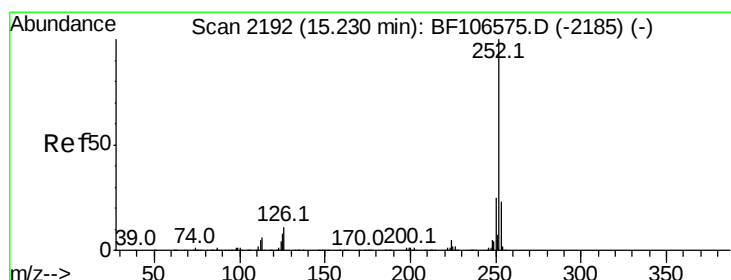
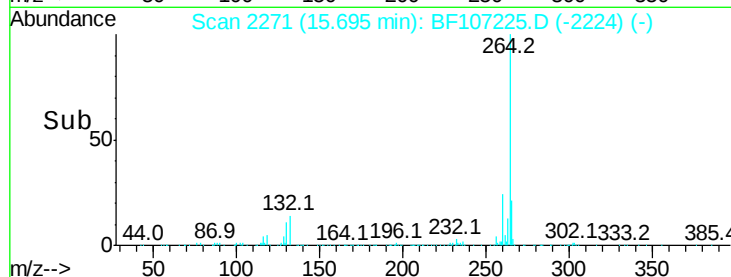
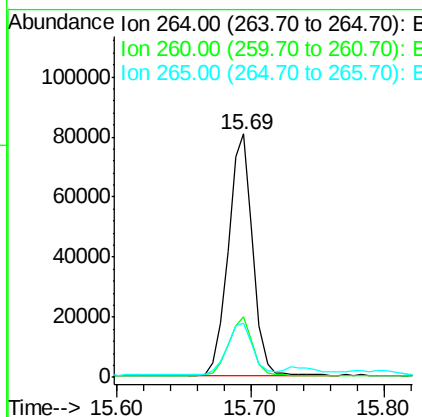
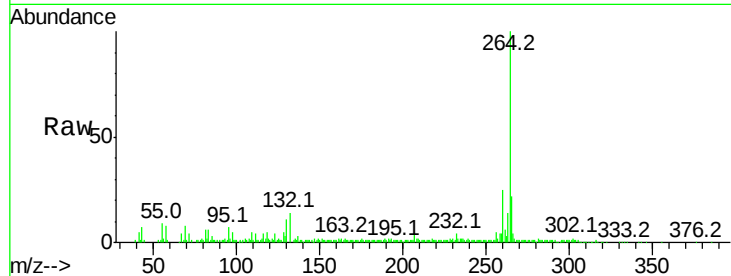
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.1	17.5	26.3

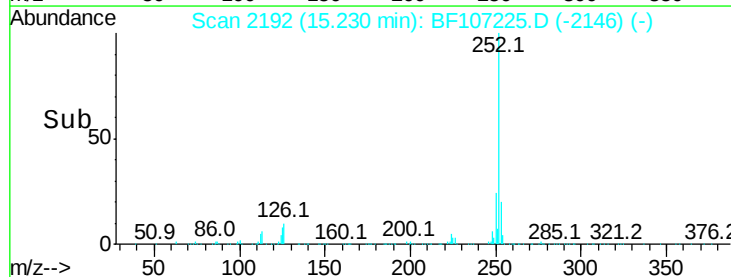
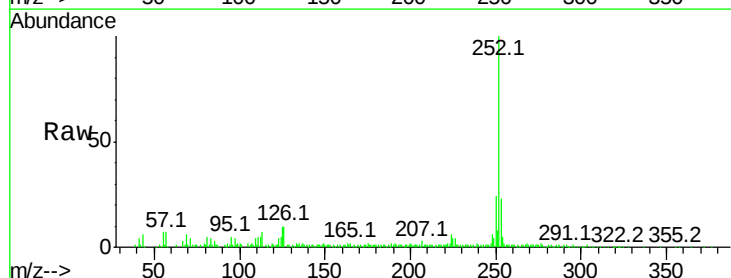
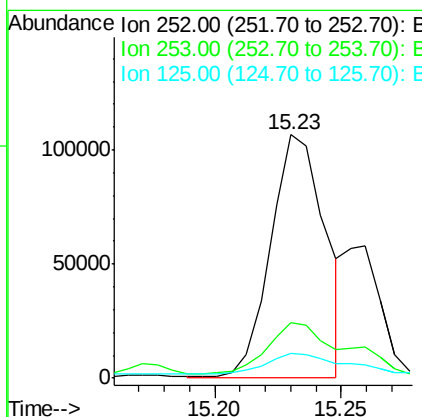
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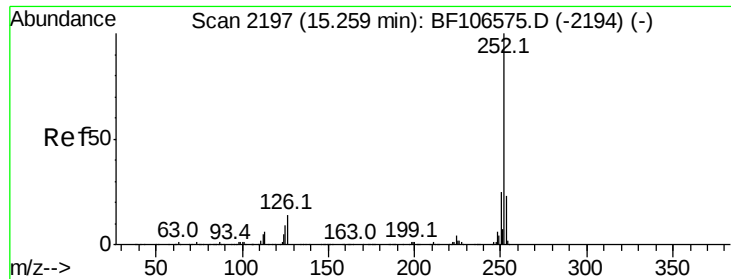
Sohil
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#87
Benzo(b)fluoranthene
Concen: 25.128 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	10.1	9.0	13.6





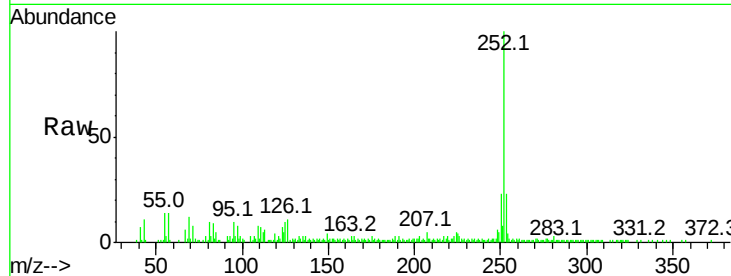
#88
Benzo(k)fluoranthene
Concen: 9.916 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

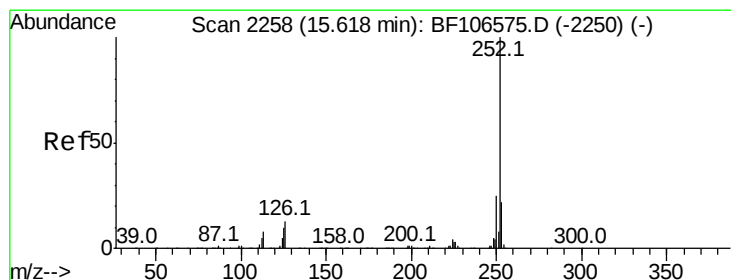
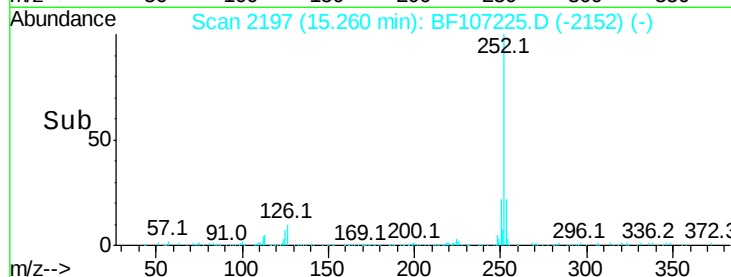
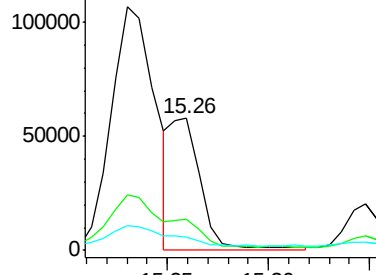
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.1	10.2	15.2#

Manual Integrations
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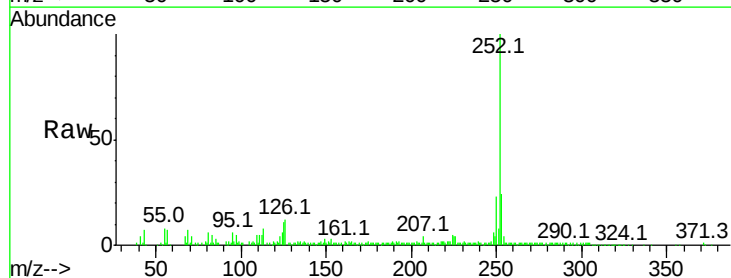


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

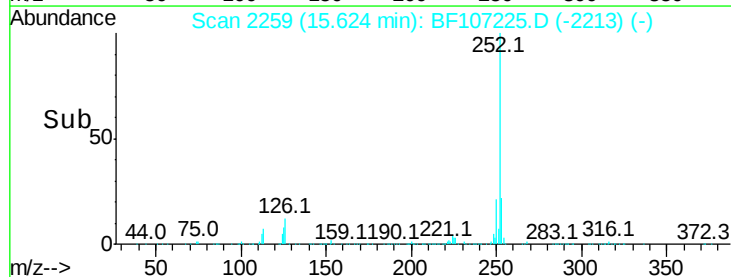
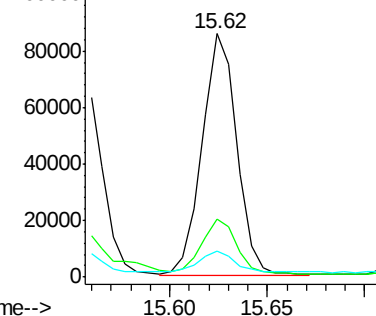


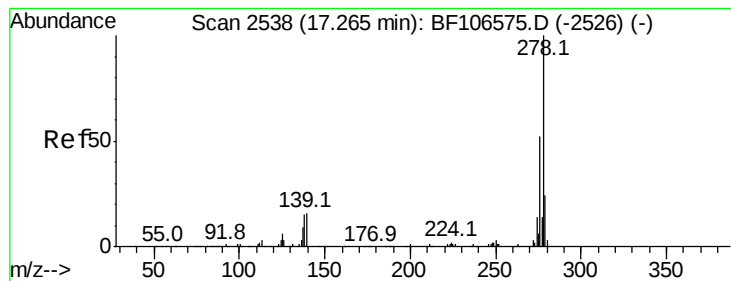
#89
Benzo(a)pyrene
Concen: 18.474 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107225.D
Acq: 9 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	10.7	9.8	14.6



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





#90

Dibenzo(a,h)anthracene

Concen: 3.170 ng

RT: 17.28 min Scan# 2541

Delta R.T. -0.04 min

Lab File: BF107225.D

Acq: 9 Jul 2018 13:41

Instrument :

BNA_F

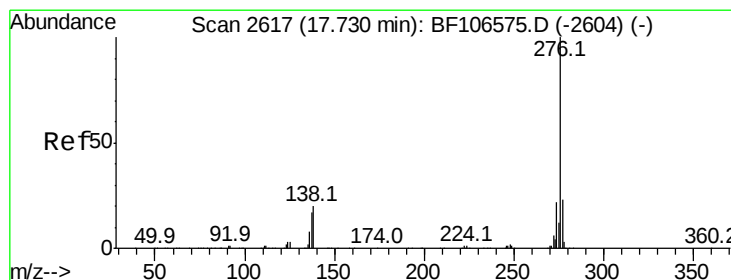
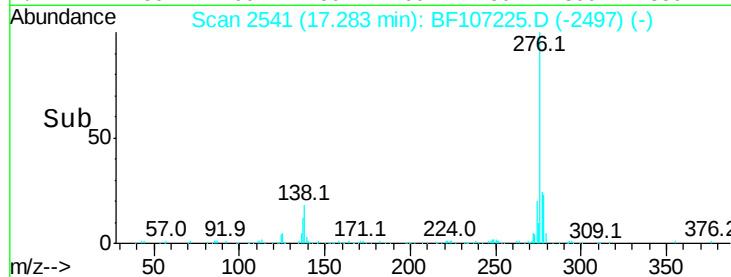
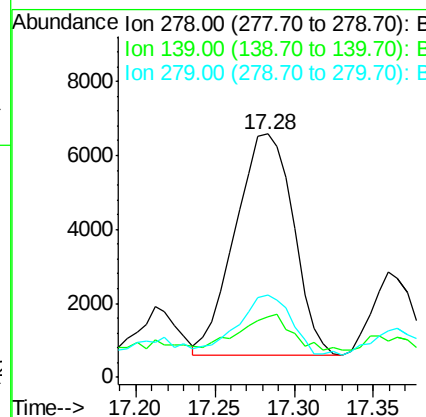
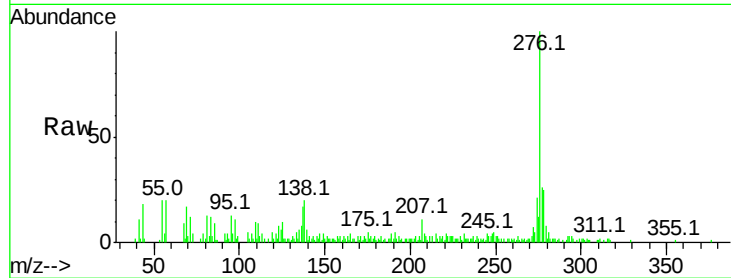
ClientSampleId :

SURCHARGE-SP-22

Tot Ion:	278	Resp:	15293
Ion Ratio	Lower	Upper	
278	100		
139	24.8	15.9	23.9#
279	33.9	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 10.771 ng

RT: 17.78 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BF107225.D

Acq: 9 Jul 2018 13:41

Tgt Ion:	276	Resp:	50781
Ion Ratio	Lower	Upper	
276	100		
277	25.1	17.9	26.9
138	20.3	21.8	32.8#

