

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
 Data File : BF107205.D
 Acq On : 7 Jul 2018 14:42
 Operator : JU/SJ
 Sample : J3881-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-23

Manual Integrations
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Quant Time: Jul 09 04:09:02 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	55032	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	203371	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	90290	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	160942	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	157510	20.00	ng	-0.02
86) Perylene-d12	15.68	264	122392	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	274440	84.44	ng	-0.01
7) Phenol-d6	6.59	99	342855	84.48	ng	-0.02
23) Nitrobenzene-d5	7.51	82	206493	56.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	84104	80.37	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	388728	70.33	ng	-0.02
78) Terphenyl-d14	13.07	244	414531	63.75	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.25	128	21718	2.284	ng	98
49) Dimethylphthalate	9.70	163	55764	8.235	ng	# 99
51) Acenaphthene	10.02	154	11861	2.106	ng	97
54) Dibenzofuran	10.20	168	16956	2.199	ng	96
57) Fluorene	10.54	166	14466	2.364	ng	# 97
70) Phenanthrene	11.51	178	304453	39.221	ng	99
71) Anthracene	11.56	178	63953	8.072	ng	99
72) Carbazole	11.72	167	41824	5.638	ng	98
74) Fluoranthene	12.71	202	522509	61.070	ng	95
77) Pyrene	12.94	202	472762	45.516	ng	99
80) Benzo(a)anthracene	14.13	228	281271	29.300	ng	99
82) Chrysene	14.17	228	249083	28.203	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	152927	28.010	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.27	276	90039	12.013	ng	# 87
87) Benzo(b)fluoranthene	15.23	252	257247m	33.835	ng	
88) Benzo(k)fluoranthene	15.25	252	101270m	13.987	ng	
89) Benzo(a)pyrene	15.62	252	166370	24.615	ng	94
90) Dibenzo(a,h)anthracene	17.27	278	25396	4.434	ng	# 91
91) Benzo(a,h,i)perylene	17.75	276	84850	15.155	ng	# 90

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

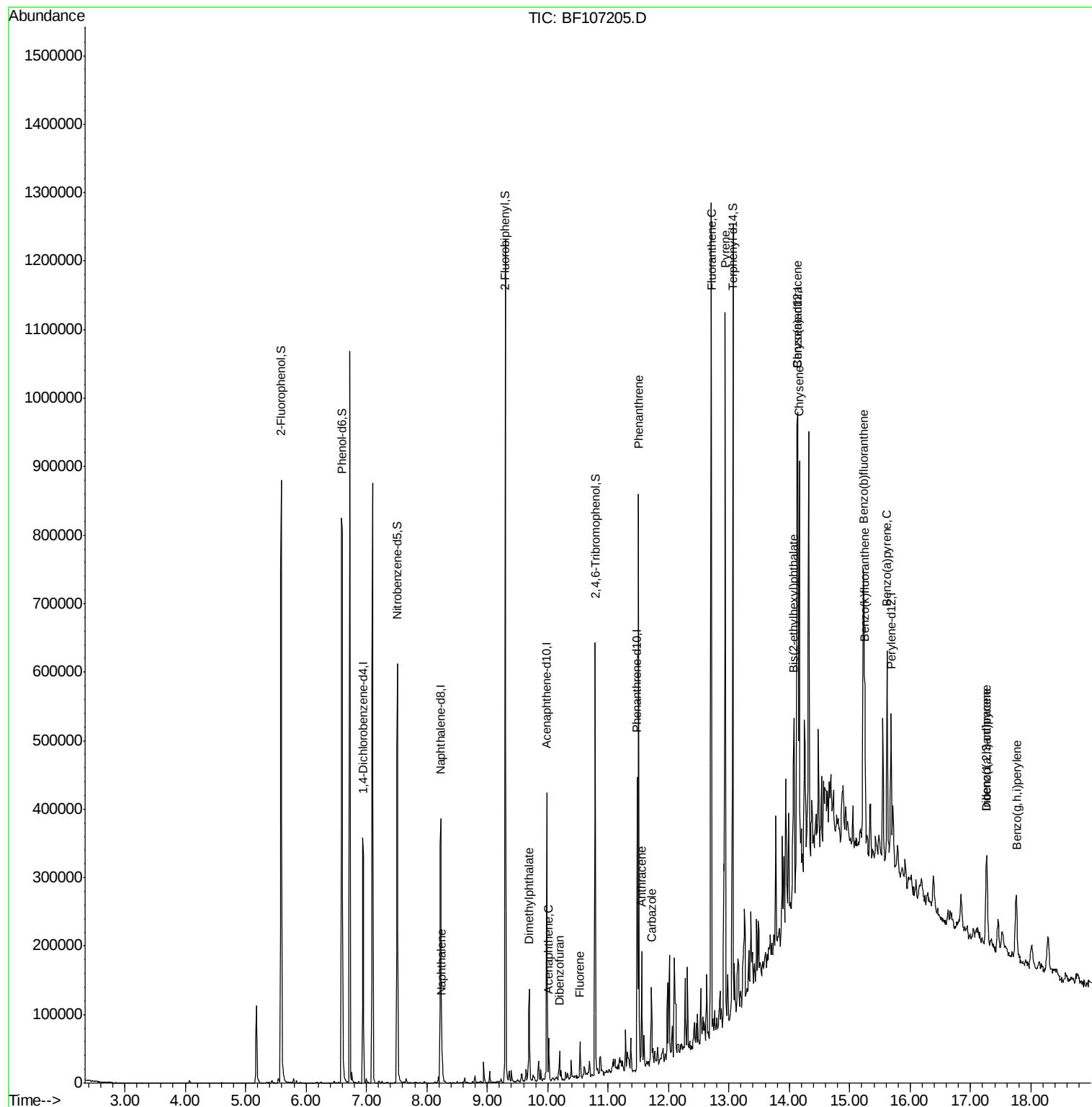
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
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ALS Vial : 13 Sample Multiplier: 1

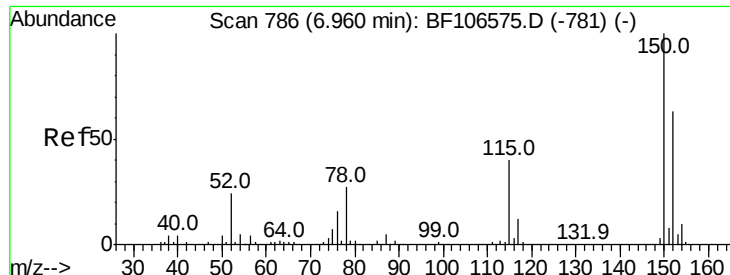
Instrument :
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SURCHARGE-SP-23

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#1

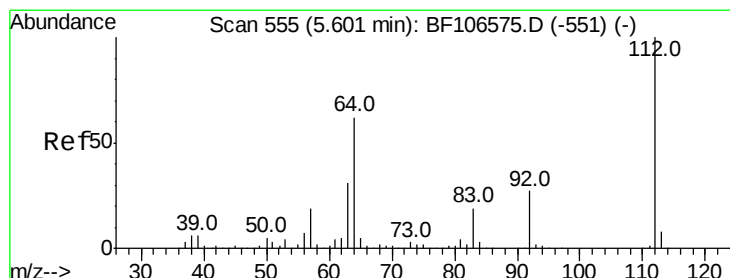
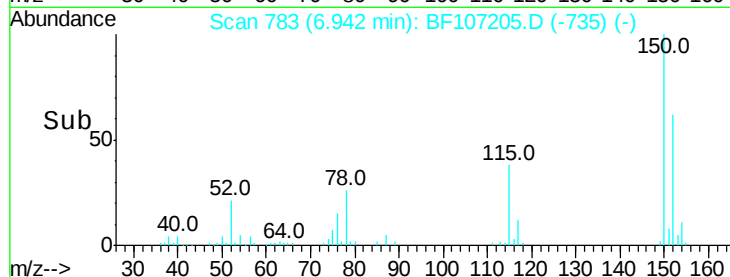
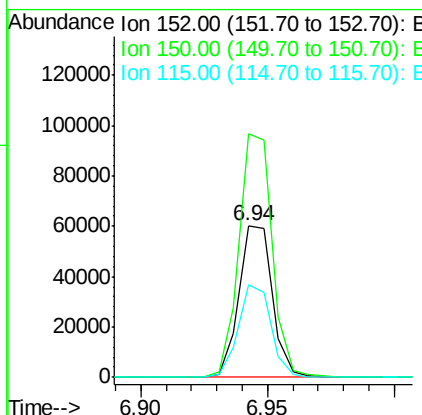
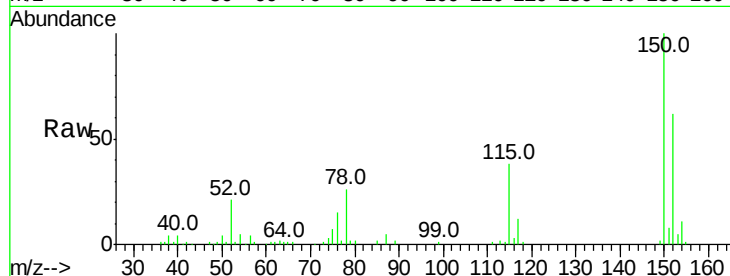
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.6	186.8
115	61.3	50.1	75.1

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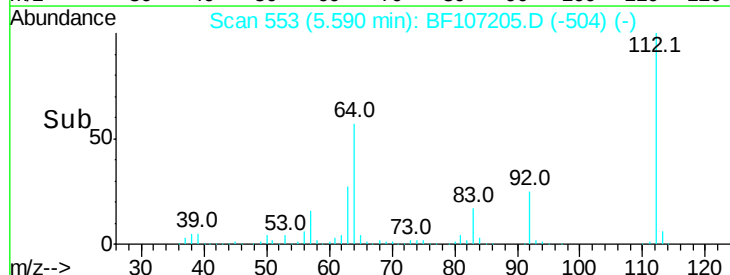
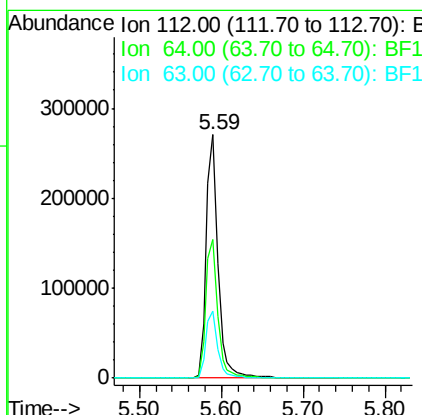
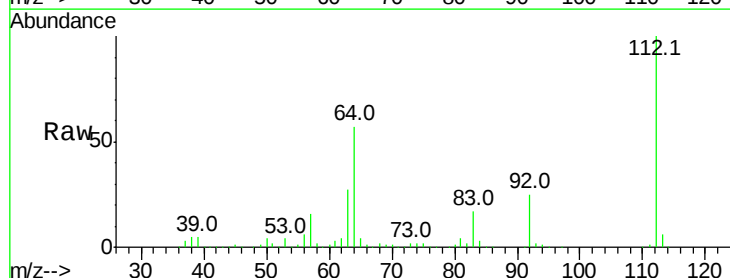
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#5

2-Fluorophenol
Concen: 84.444 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	27.3	23.7	35.5





#7

Phenol-d6

Concen: 84.477 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107205.D

Acq: 7 Jul 2018 14:42

Instrument :

BNA_F

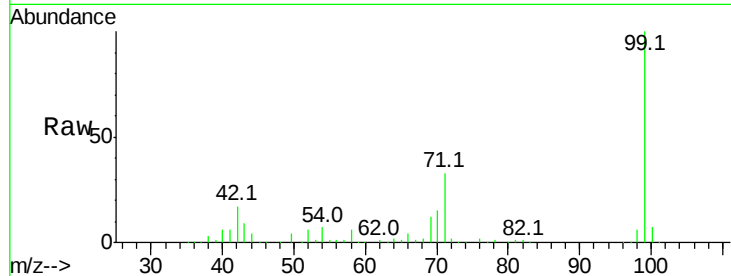
ClientSampleId :

SURCHARGE-SP-23

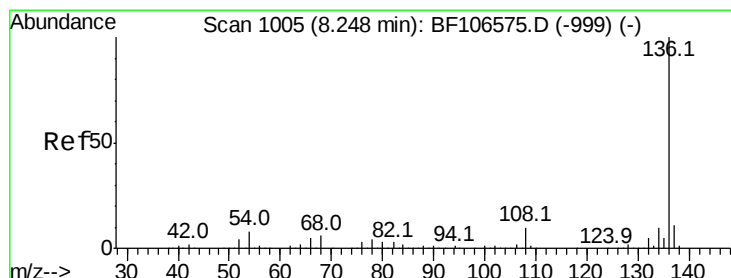
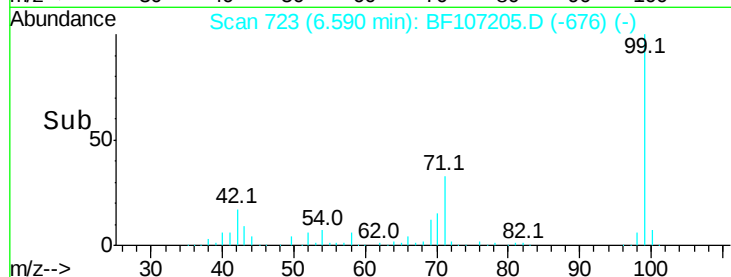
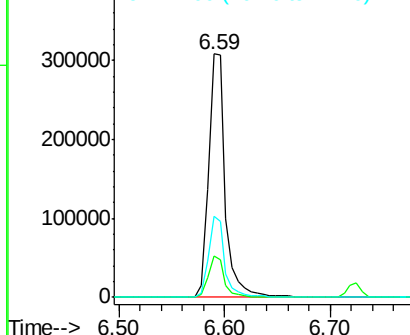
Tot Ion:	99	Resp:	342855
Ion Ratio	Lower	Upper	
99	100		
42	16.8	14.5	21.7
71	33.3	25.4	38.0

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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: 8.23 min Scan# 1002

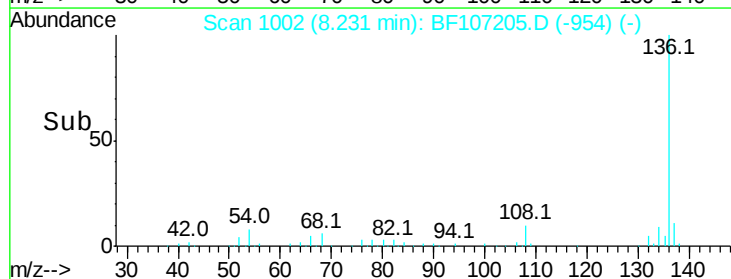
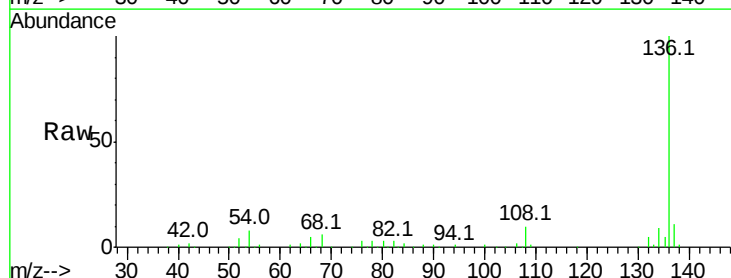
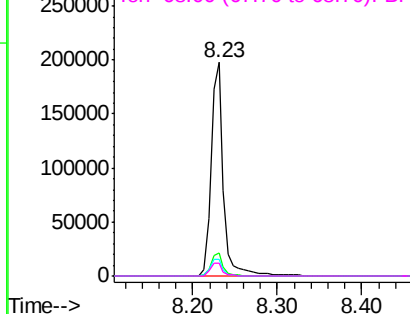
Delta R.T. -0.02 min

Lab File: BF107205.D

Acq: 7 Jul 2018 14:42

Tgt Ion:	136	Resp:	203371
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.5	6.6	9.8
68	6.2	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





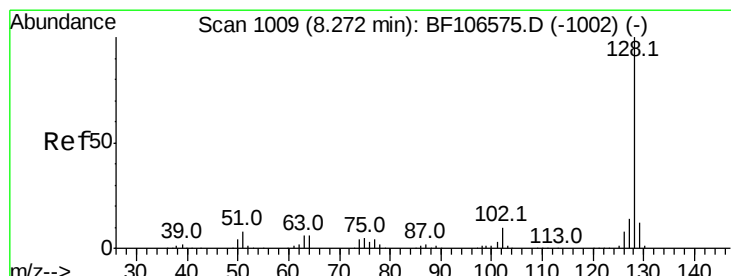
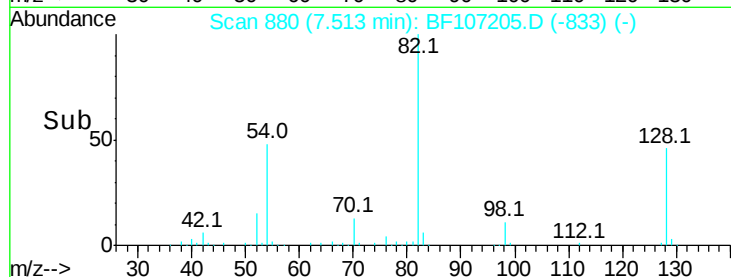
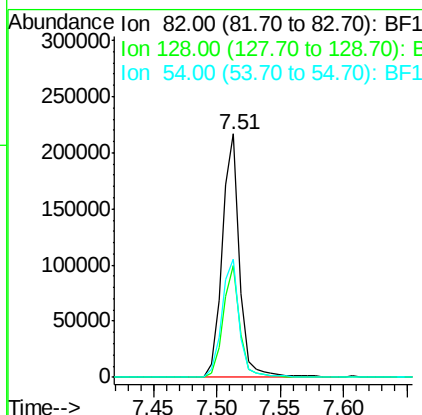
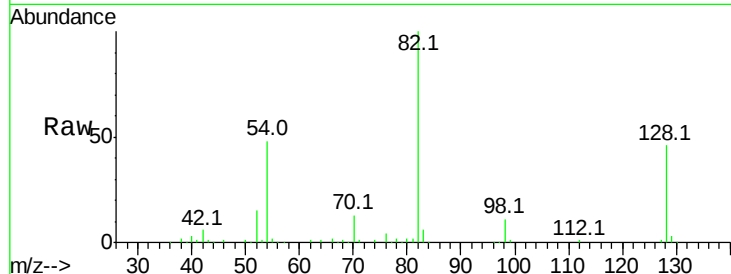
#23
Nitrobenzene-d5
Concen: 56.427 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	48.5	41.4	62.2

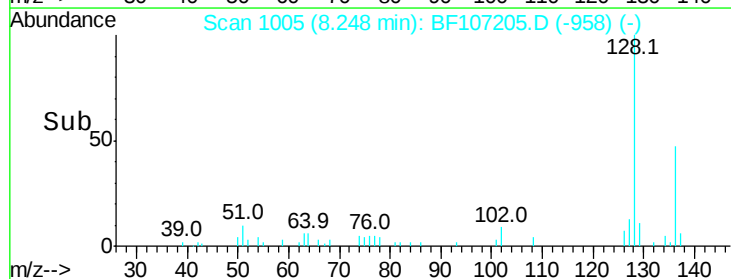
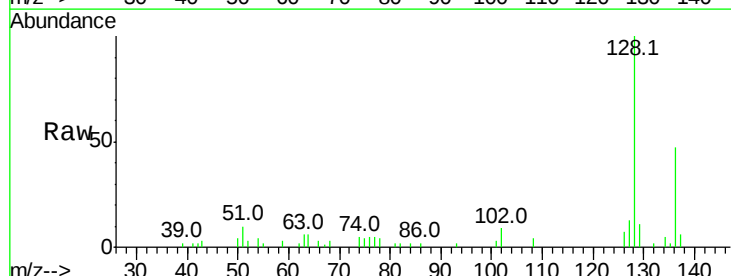
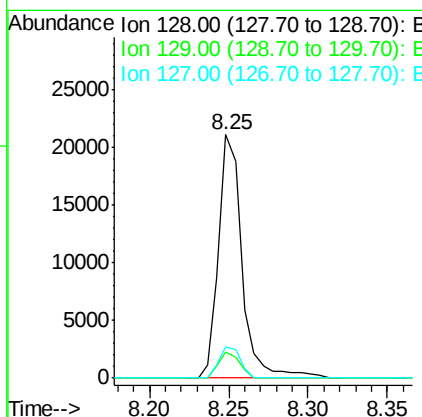
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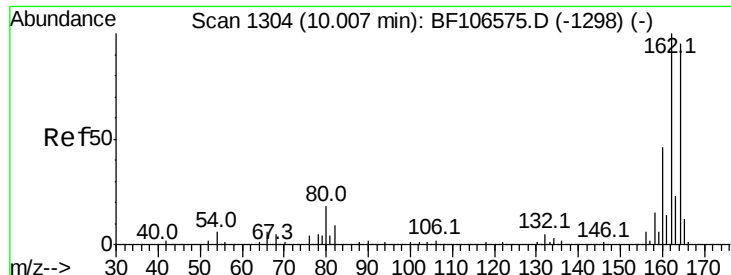
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#31
Naphthalene
Concen: 2.284 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.5	10.9	16.3





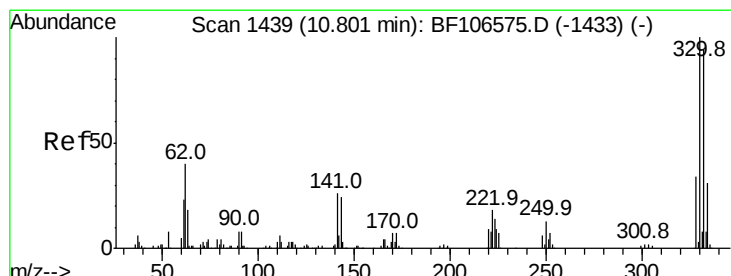
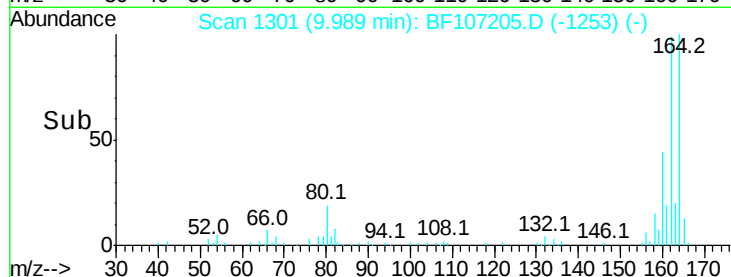
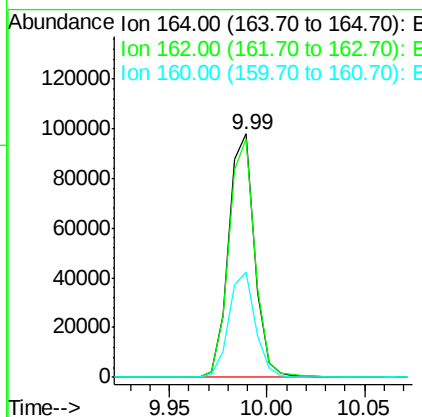
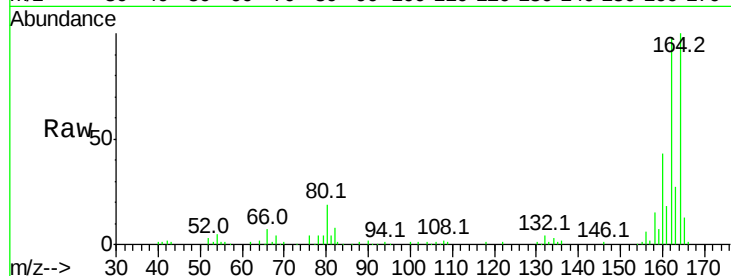
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107205.D
 Acq: 7 Jul 2018 14:42

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.8	86.1	129.1
160	43.3	38.3	57.5

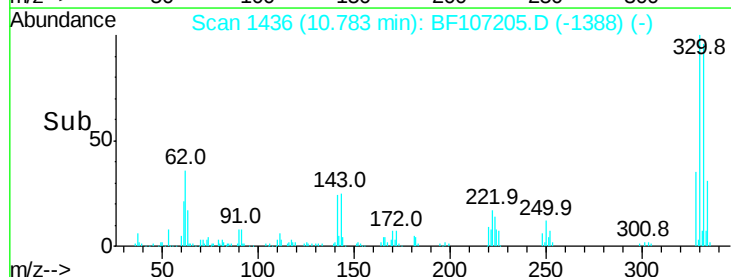
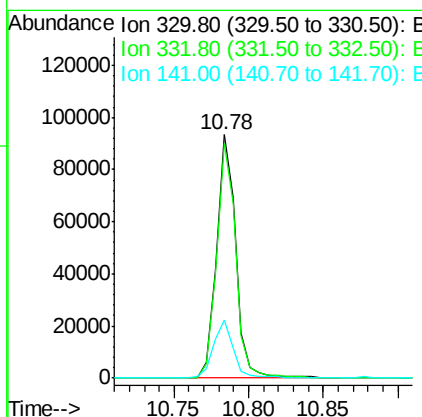
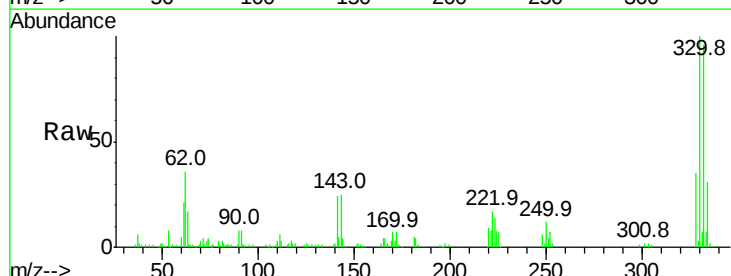
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#41
 2,4,6-Tribromophenol
 Concen: 80.368 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107205.D
 Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	24.4	29.9	44.9#





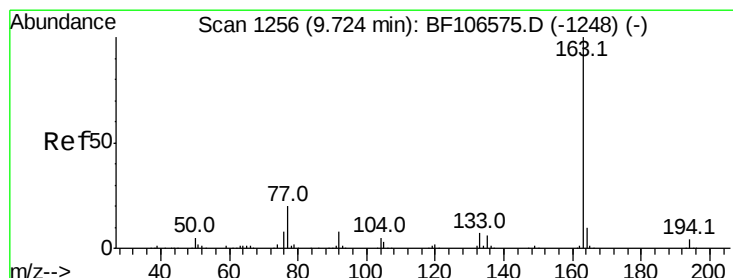
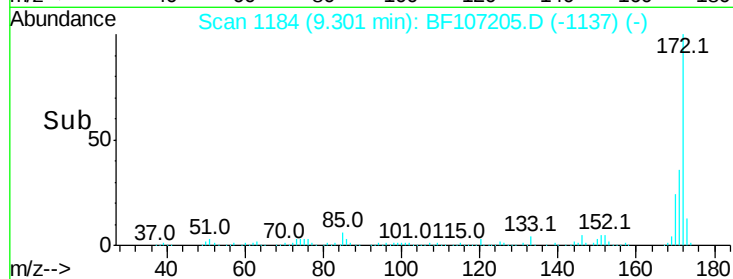
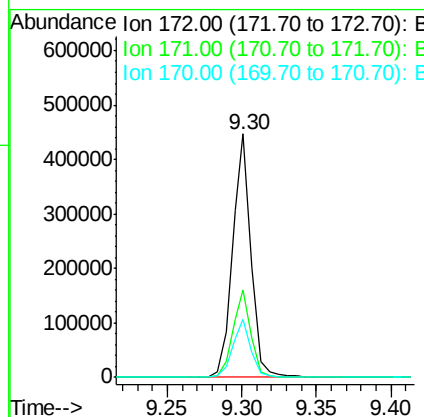
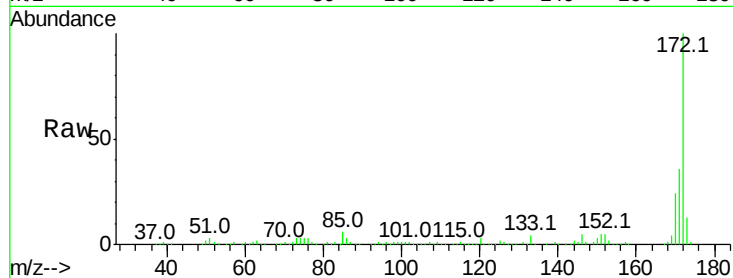
#44
2-Fluorobiphenyl
Concen: 70.327 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	23.9	19.6	29.4	

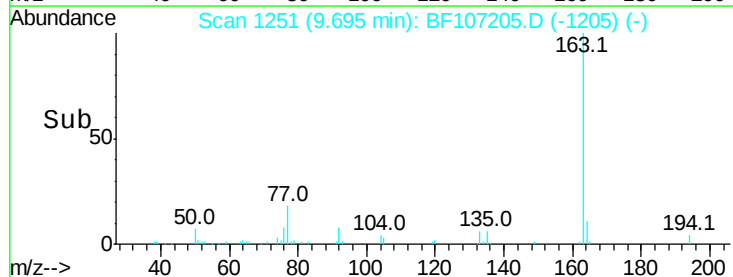
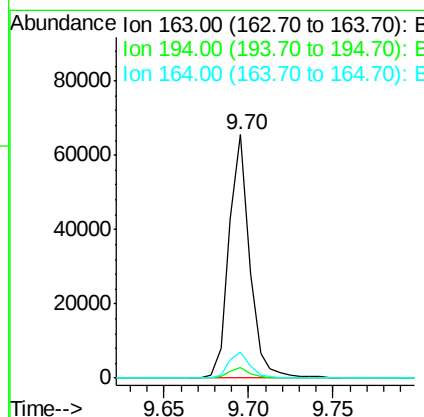
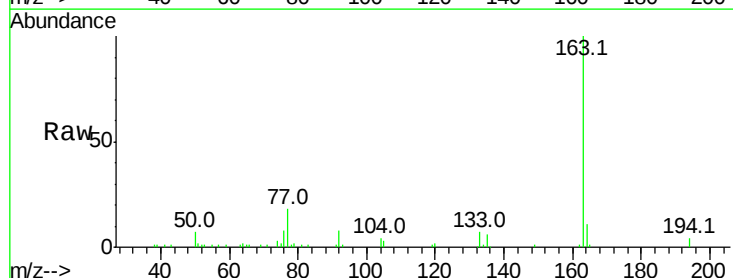
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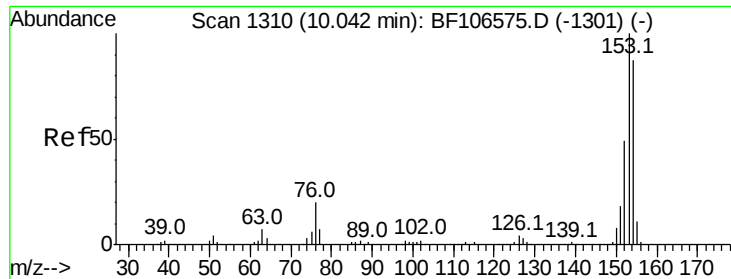
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#49
Dimethylphthalate
Concen: 8.235 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	2.7	4.1#	
164	10.6	8.2	12.2	





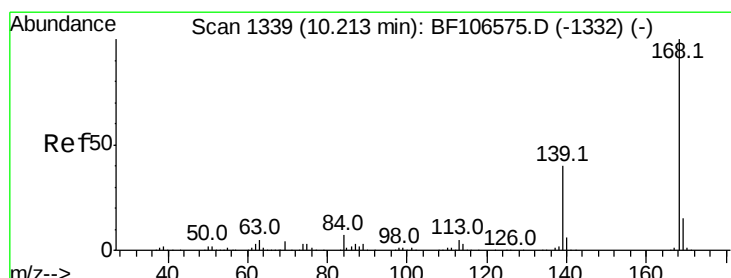
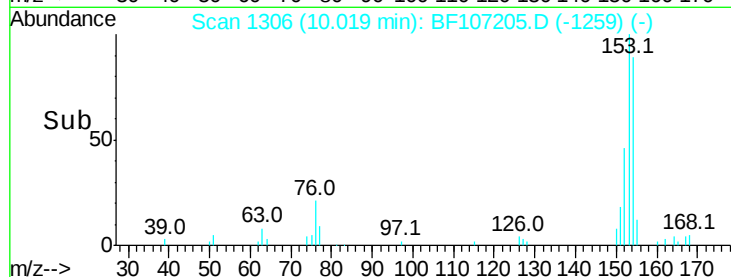
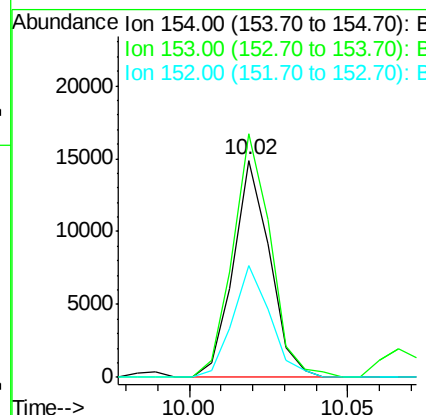
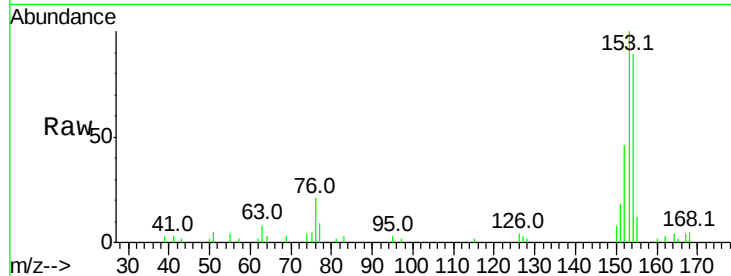
#51
Acenaphthene
Concen: 2.106 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.3	91.2	136.8
152	51.4	43.8	65.8

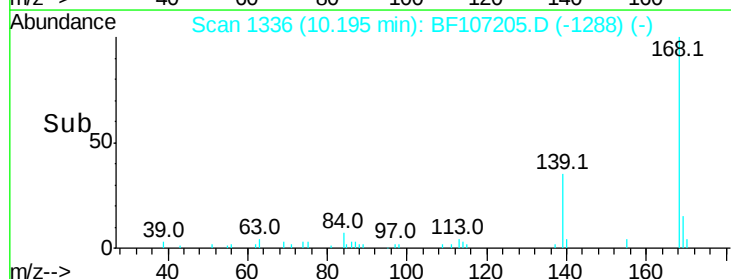
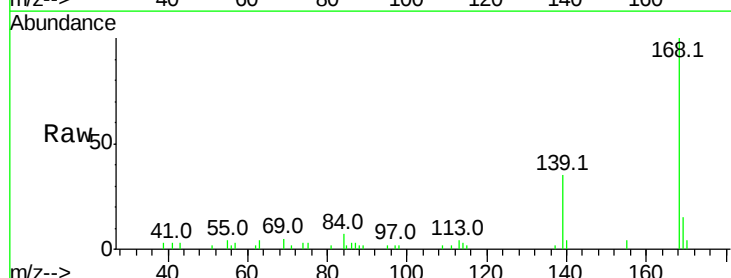
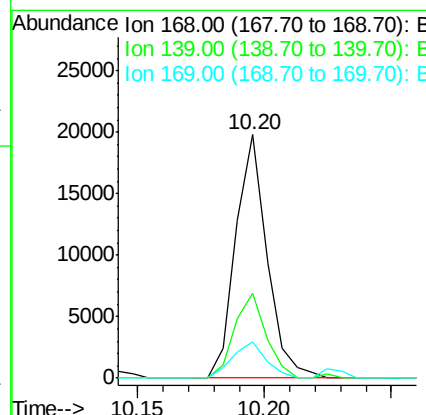
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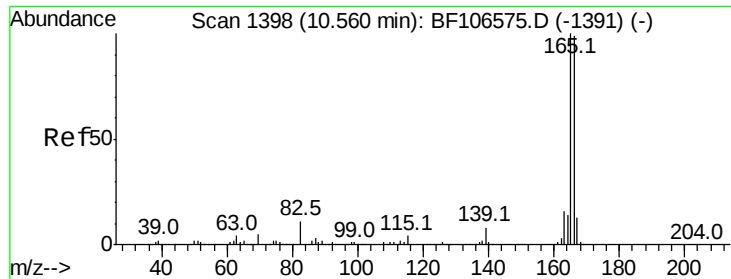
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#54
Dibenzofuran
Concen: 2.199 ng
RT: 10.20 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.1	30.1	45.1
169	14.7	10.9	16.3





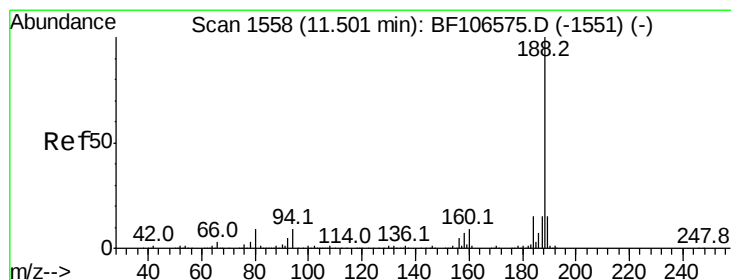
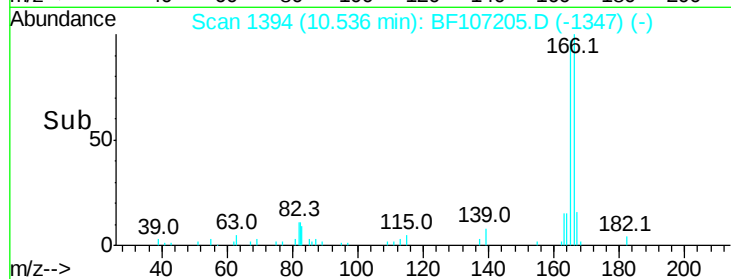
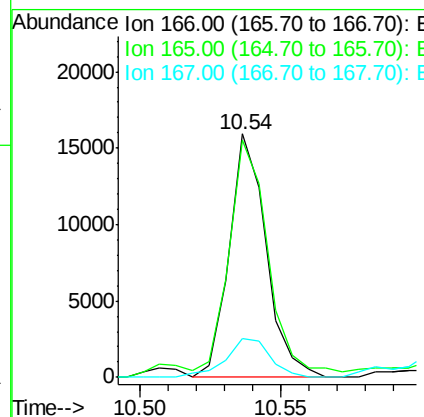
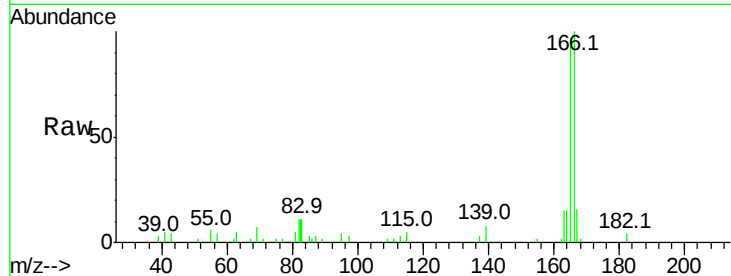
#57
Fluorene
 Concen: 2.364 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.02 min
 Lab File: BF107205.D
 Acq: 7 Jul 2018 14:42

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	79.8	119.8
167	16.1	10.6	16.0#

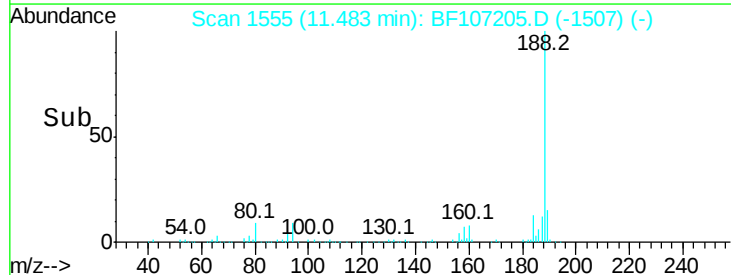
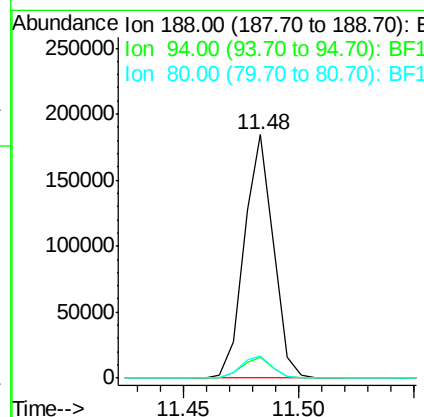
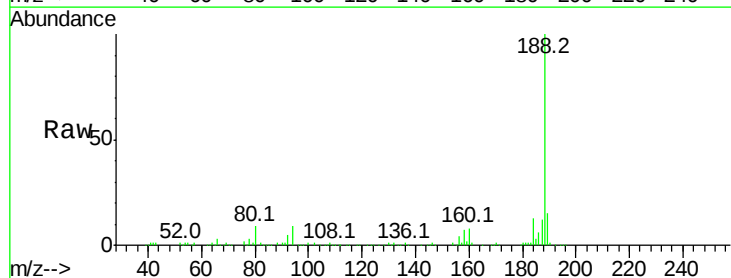
Manual Integrations
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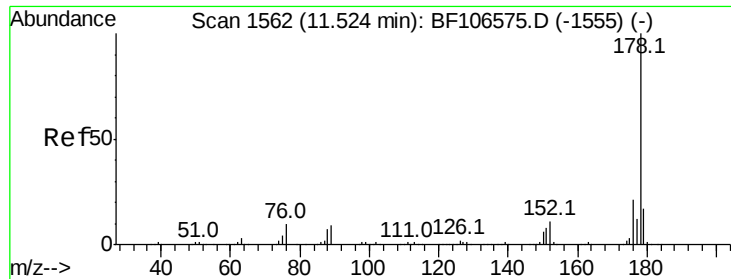
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF107205.D
 Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	8.9	9.2	13.8#





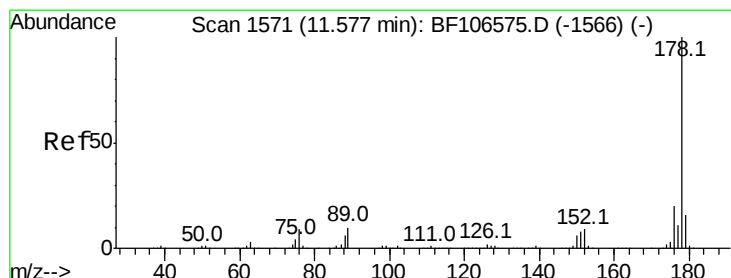
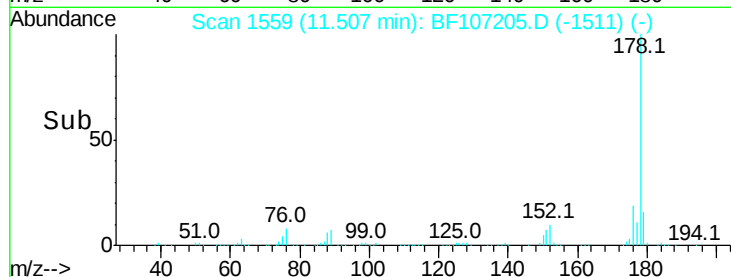
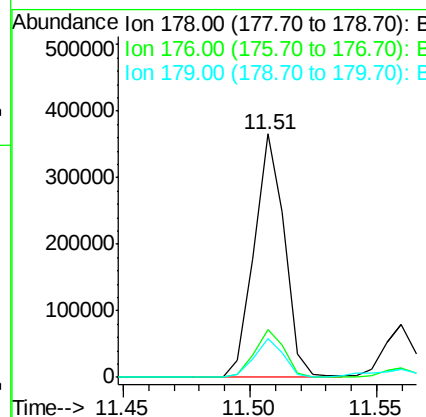
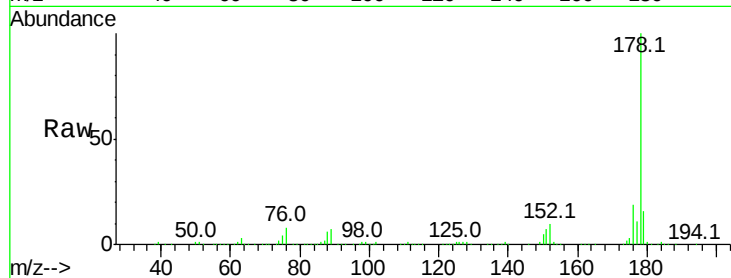
#70
Phenanthrene
Concen: 39.221 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.8	13.0	19.6

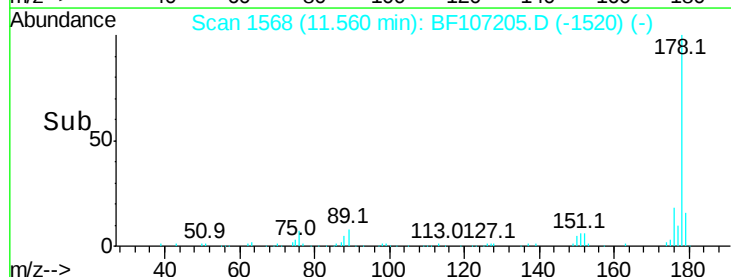
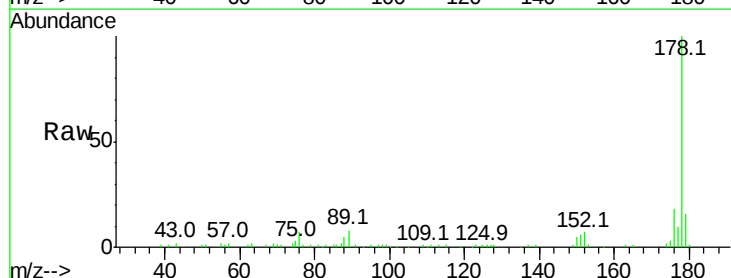
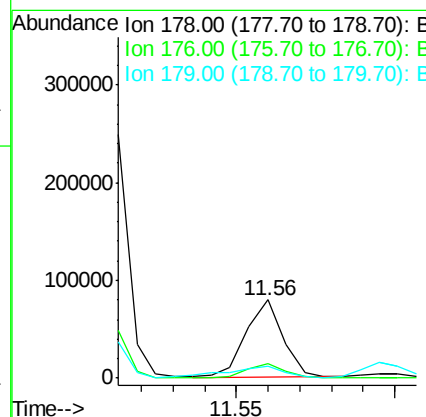
Manual Integrations
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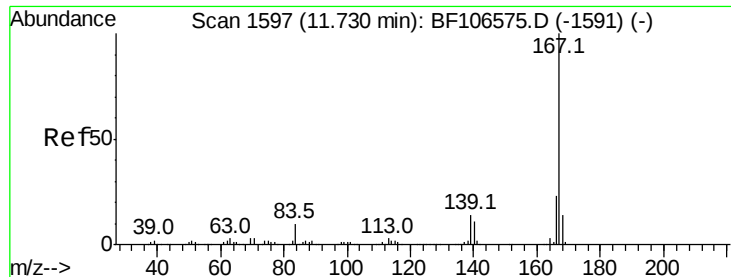
Sohil
7/9/2018 2:06:22 PM



#71
Anthracene
Concen: 8.072 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.1	12.6	19.0





#72

Carbazole

Concen: 5.638 ng

RT: 11.72 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF107205.D

Acq: 7 Jul 2018 14:42

Instrument :

BNA_F

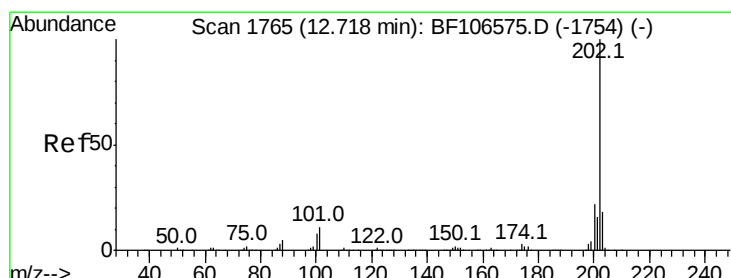
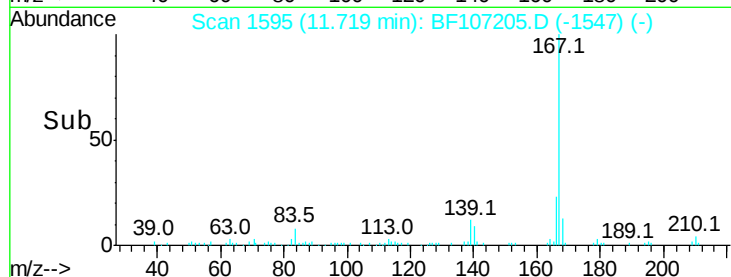
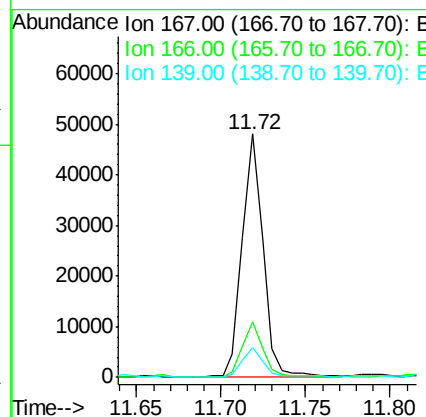
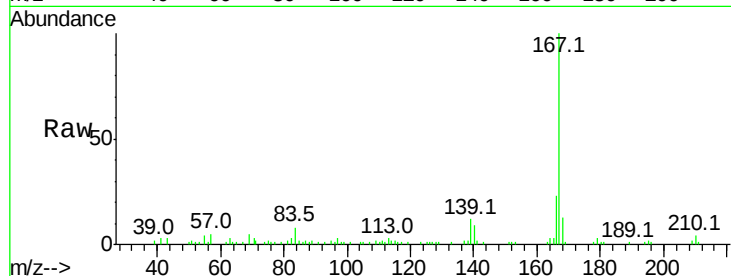
ClientSampleId :

SURCHARGE-SP-23

Tot Ion:	167	Resp:	41824
Ion Ratio	Lower	Upper	
167	100		
166	22.7	17.6	26.4
139	12.5	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 61.070 ng

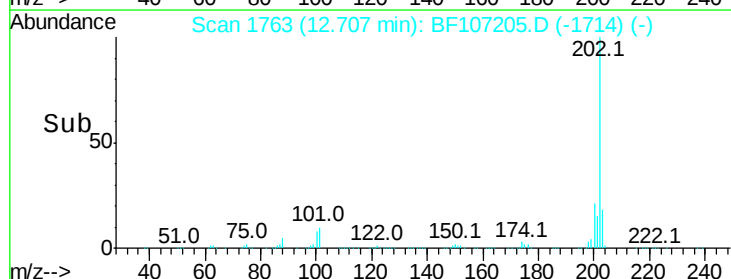
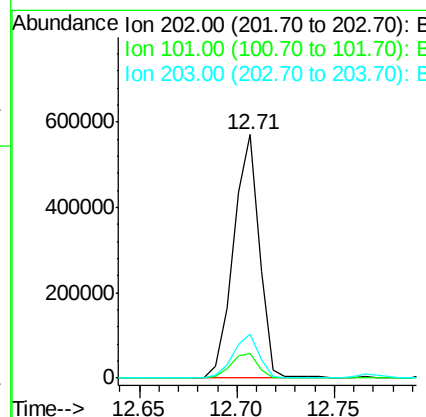
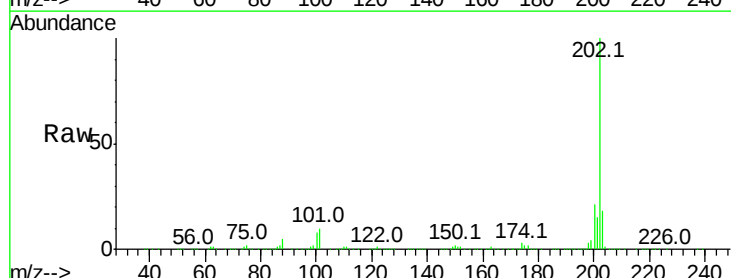
RT: 12.71 min Scan# 1763

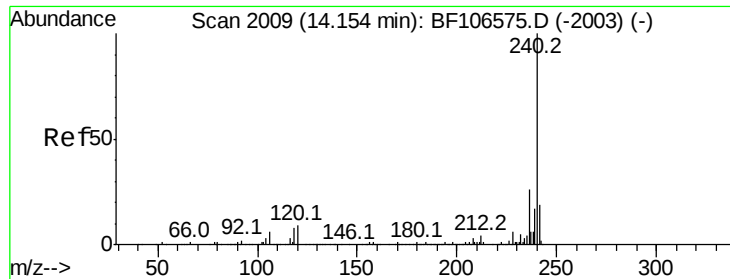
Delta R.T. -0.01 min

Lab File: BF107205.D

Acq: 7 Jul 2018 14:42

Tgt Ion:	202	Resp:	522509
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107205.D

Acq: 7 Jul 2018 14:42

Instrument :

BNA_F

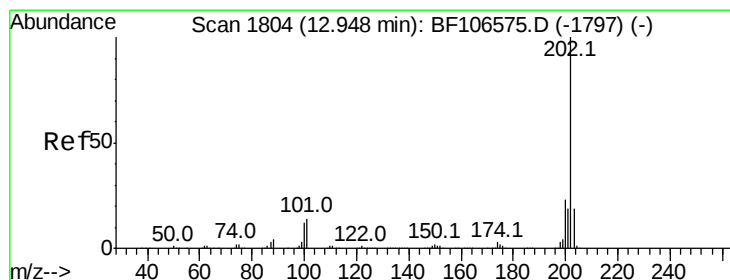
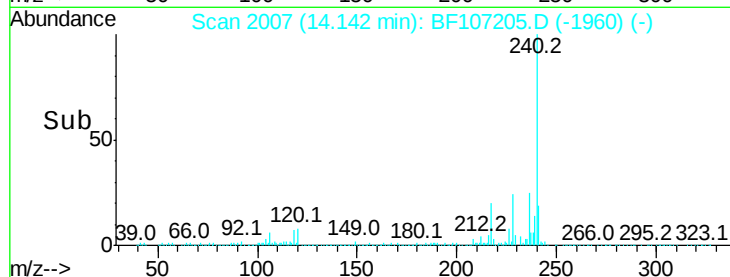
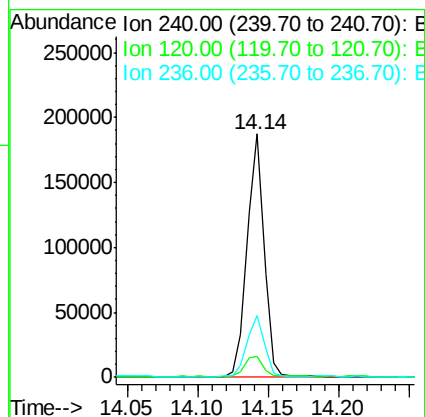
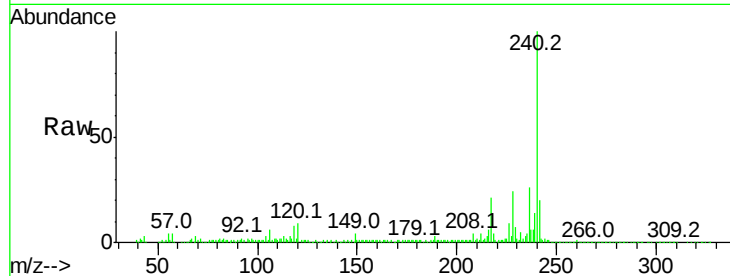
ClientSampleId :

SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	25.6	20.7	31.1

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#77

Pyrene

Concen: 45.516 ng

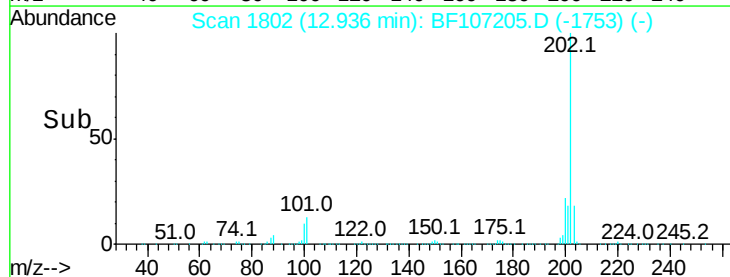
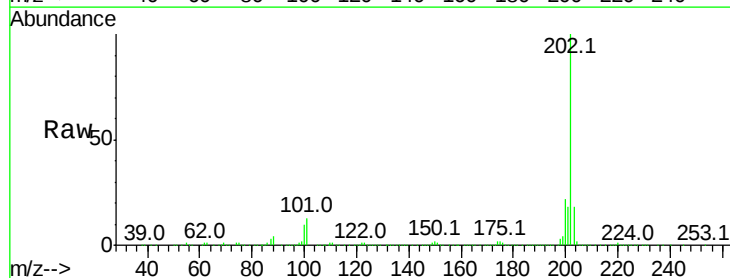
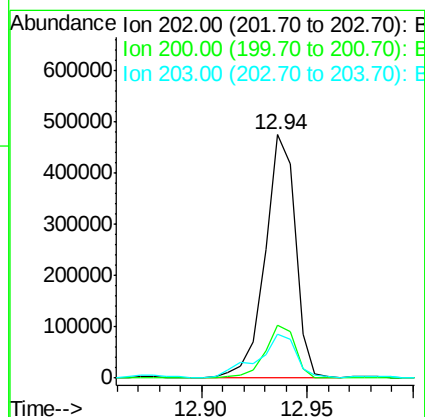
RT: 12.94 min Scan# 1802

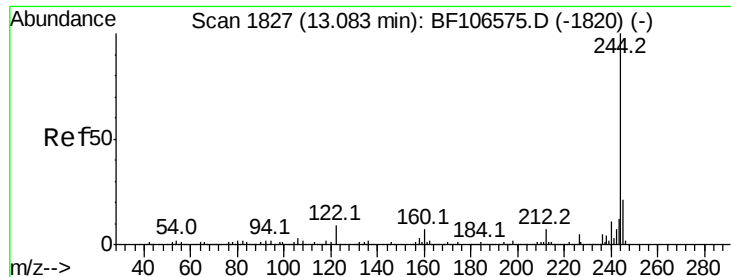
Delta R.T. -0.01 min

Lab File: BF107205.D

Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 63.749 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107205.D

Acq: 7 Jul 2018 14:42

Instrument :

BNA_F

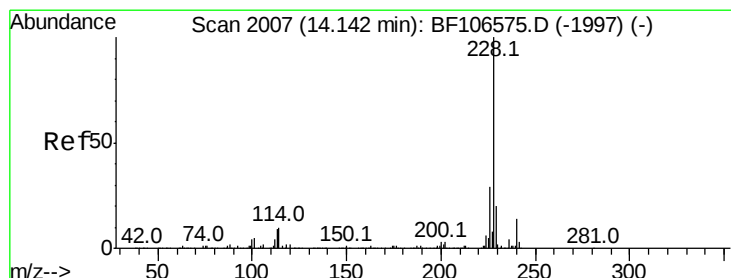
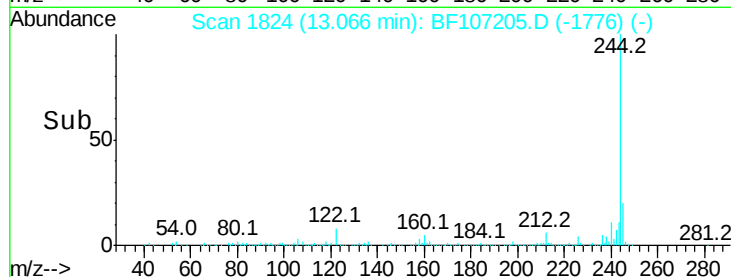
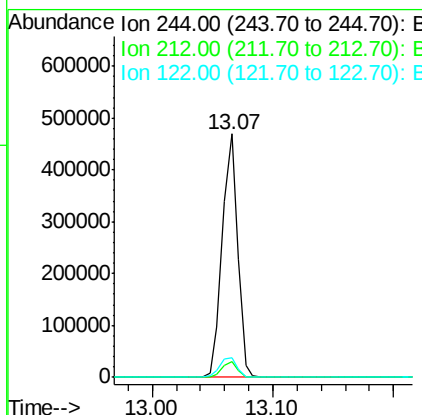
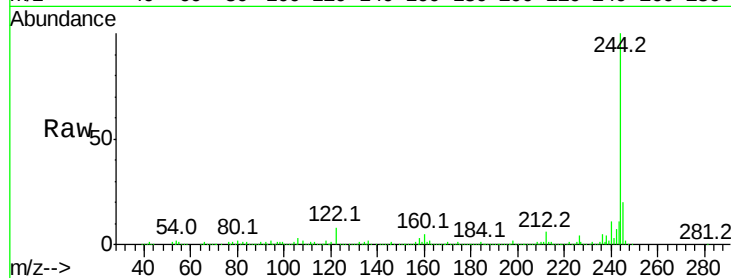
ClientSampleId :

SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.2	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 29.300 ng

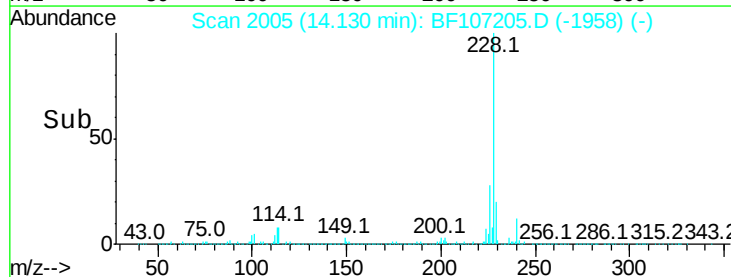
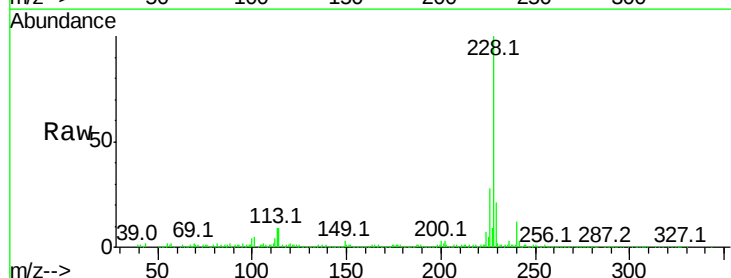
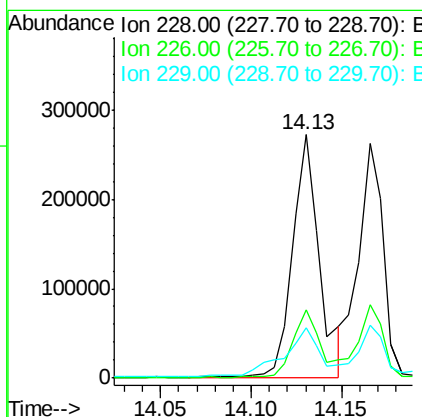
RT: 14.13 min Scan# 2005

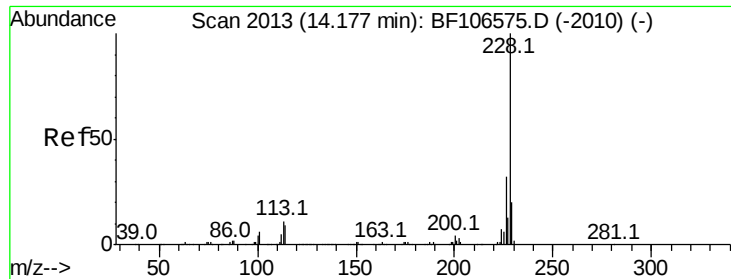
Delta R.T. -0.02 min

Lab File: BF107205.D

Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.7	15.8	23.6





#82

Chrysene

Concen: 28.203 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107205.D

Acq: 7 Jul 2018 14:42

Instrument :

BNA_F

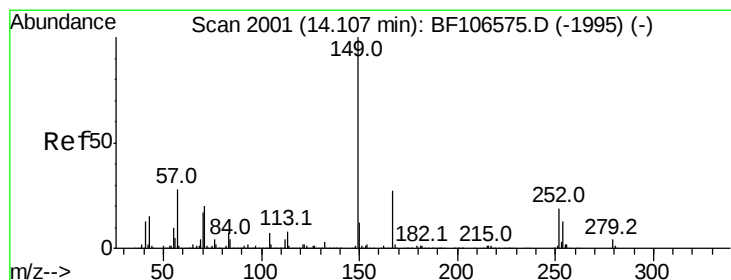
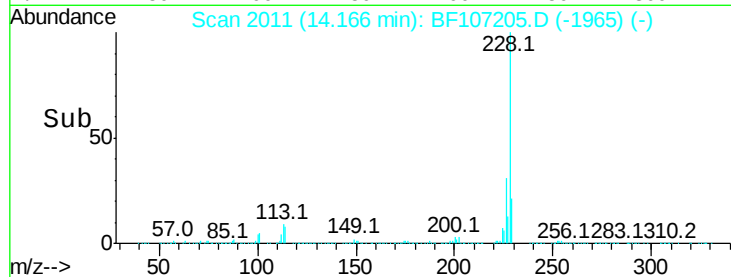
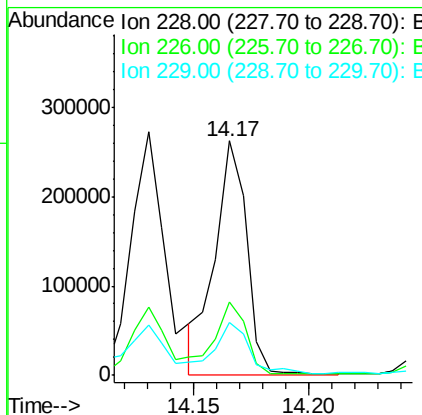
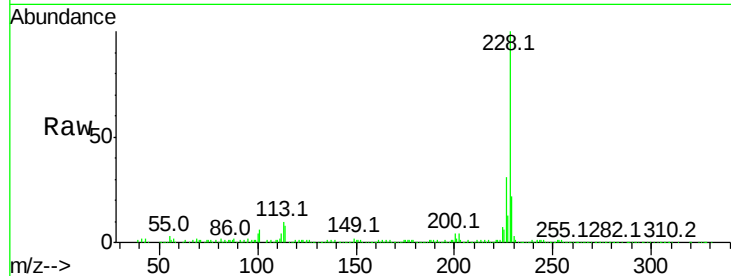
ClientSampleId :

SURCHARGE-SP-23

Tot Ion:	228	Resp:	249083
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	22.5	16.2	24.4

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 28.010 ng

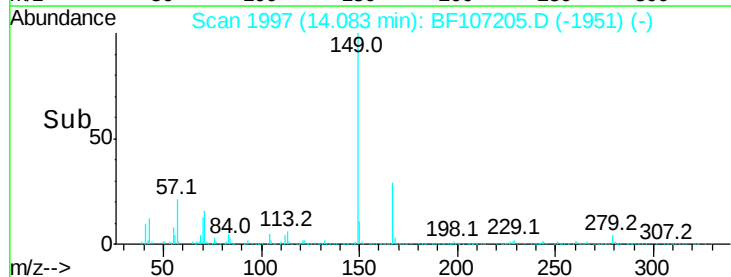
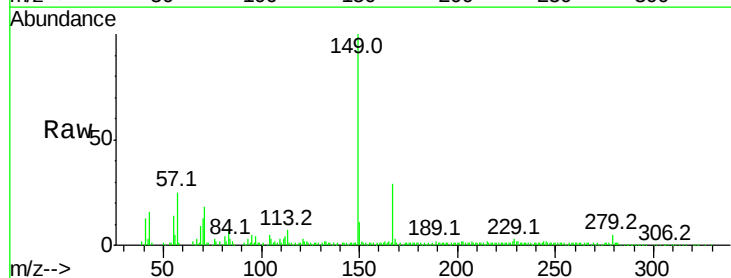
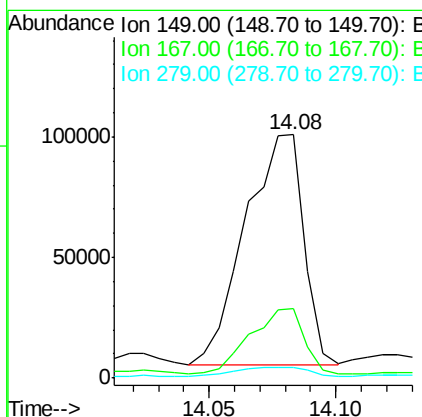
RT: 14.08 min Scan# 1997

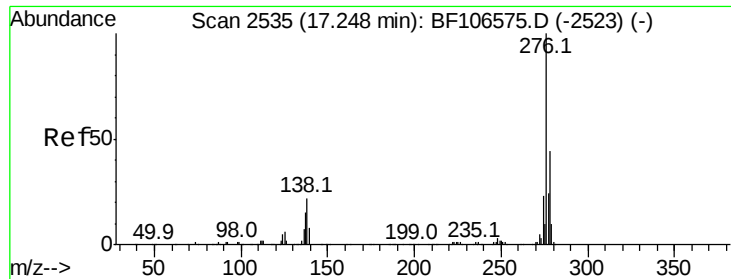
Delta R.T. -0.03 min

Lab File: BF107205.D

Acq: 7 Jul 2018 14:42

Tgt Ion:	149	Resp:	152927
Ion Ratio	Lower	Upper	
149	100		
167	28.7	21.3	31.9
279	4.6	3.0	4.4#





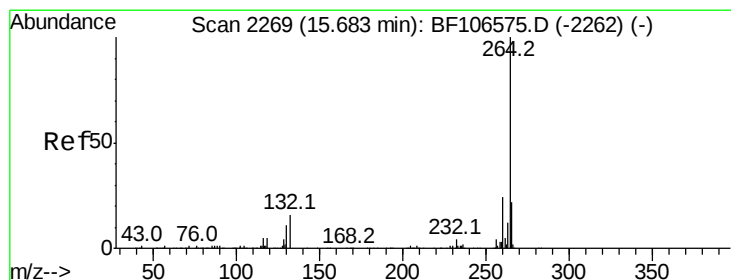
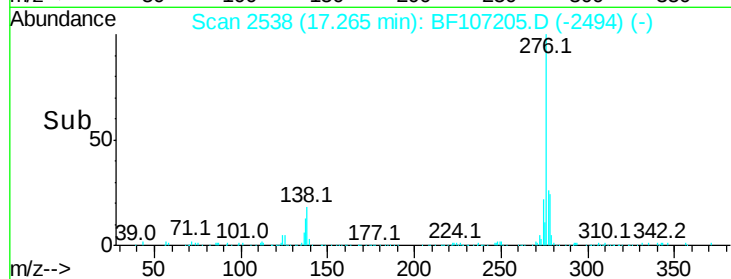
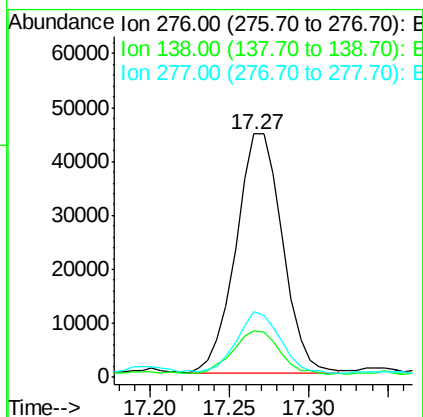
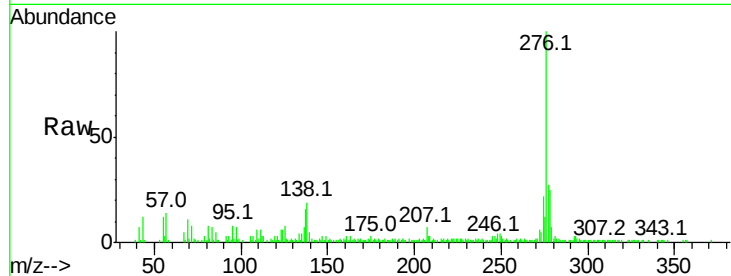
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.013 ng
 RT: 17.27 min Scan# 2538
 Delta R.T. -0.04 min
 Lab File: BF107205.D
 Acq: 7 Jul 2018 14:42

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.7	25.0	37.6#
277	24.4	20.1	30.1

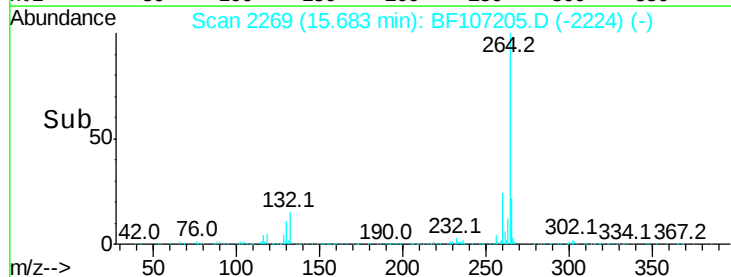
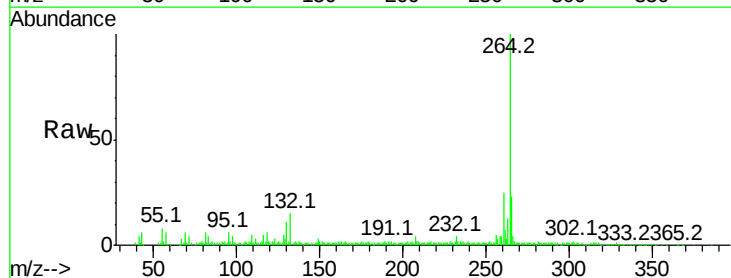
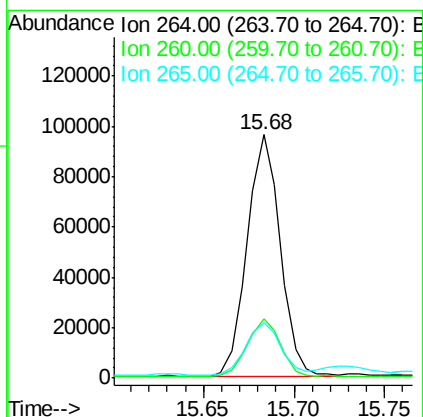
Manual Integrations
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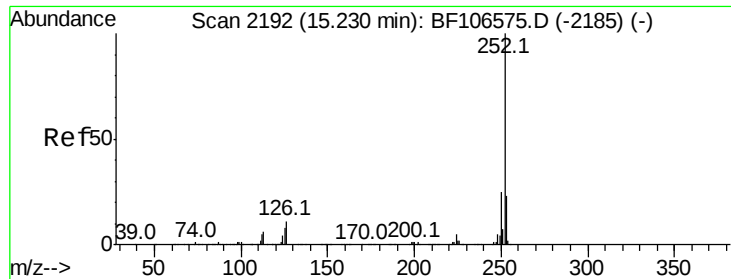
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. -0.04 min
 Lab File: BF107205.D
 Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.8	17.5	26.3





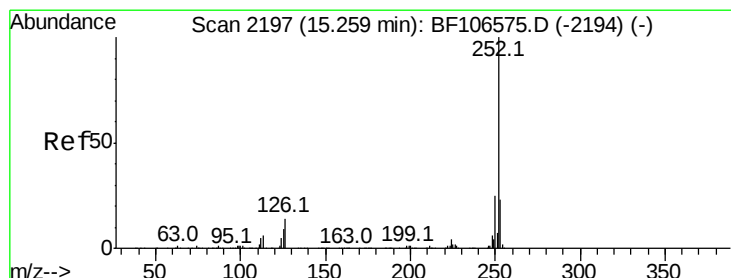
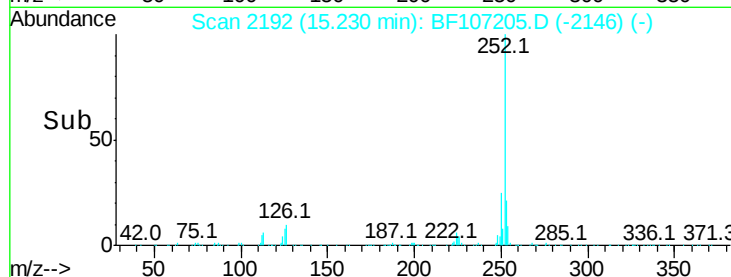
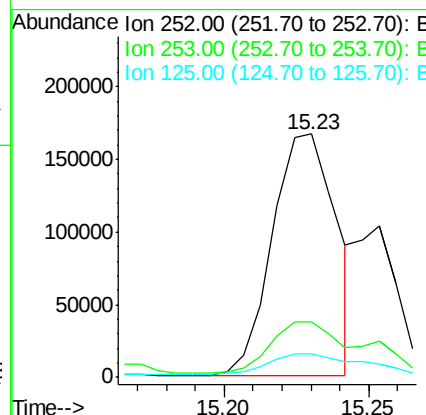
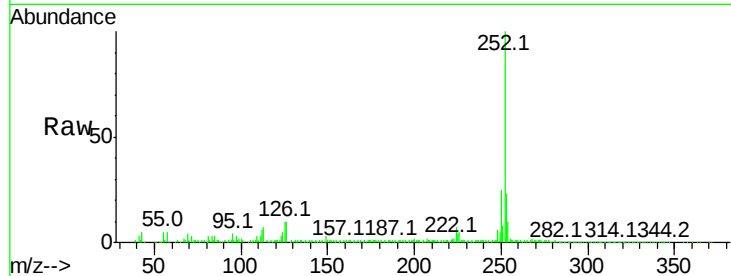
#87
Benzo(b)fluoranthene
Concen: 33.835 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	9.5	9.0	13.6

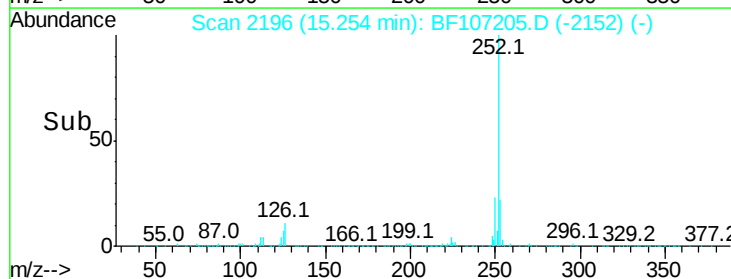
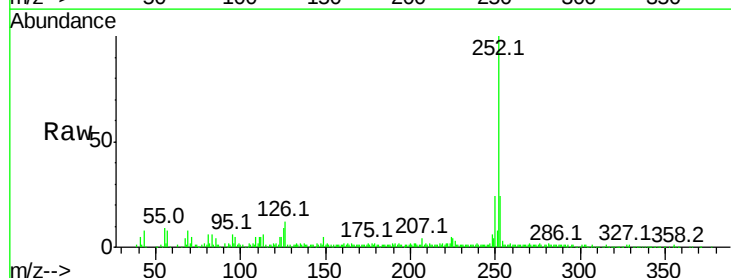
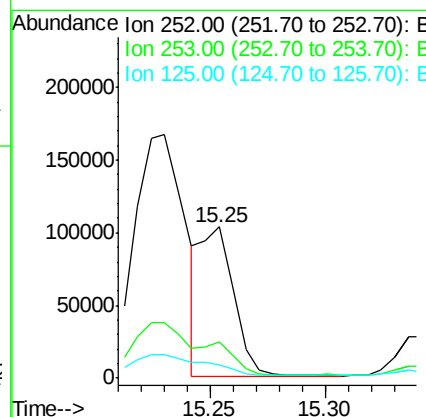
Manual Integrations
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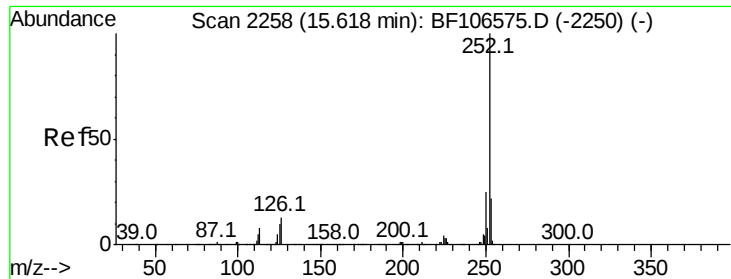
Sohil
7/9/2018 2:06:22 PM



#88
Benzo(k)fluoranthene
Concen: 13.987 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	9.0	10.2	15.2#





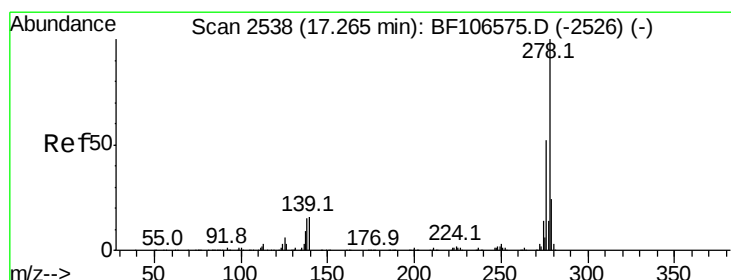
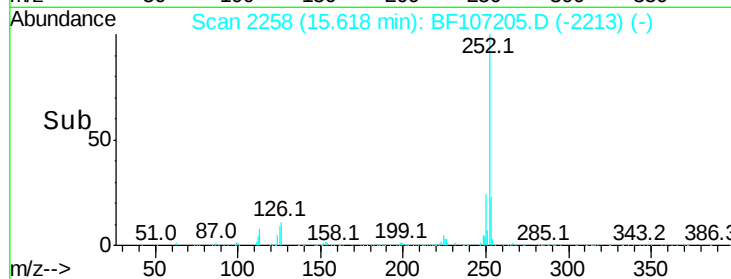
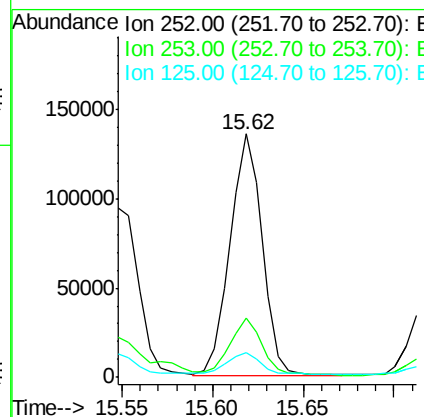
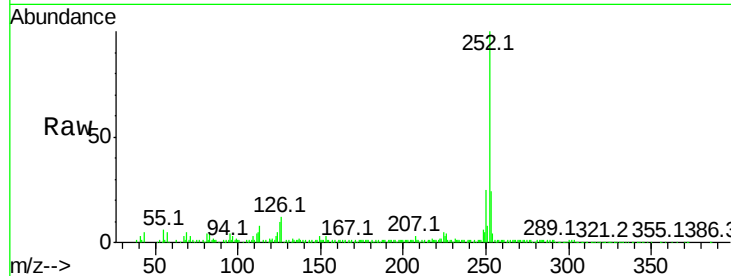
#89
Benzo(a)pyrene
Concen: 24.615 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-23

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	10.3	9.8	14.6

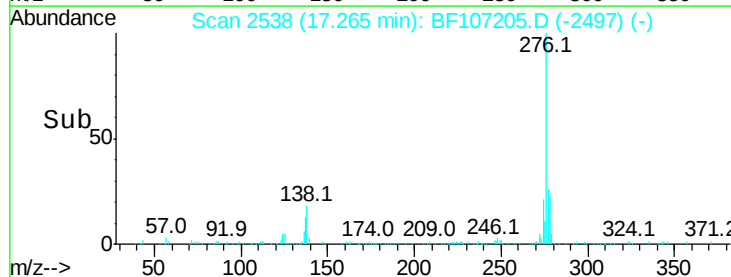
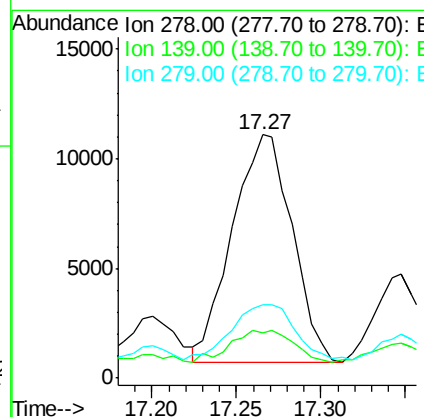
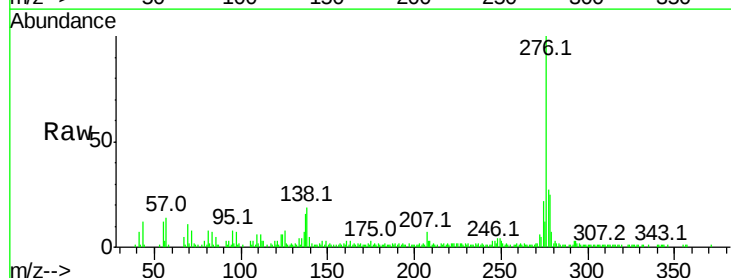
Manual Integrations
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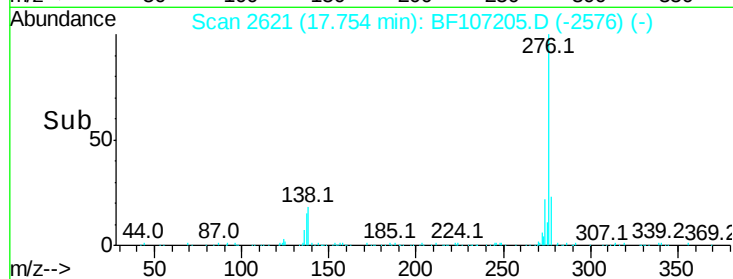
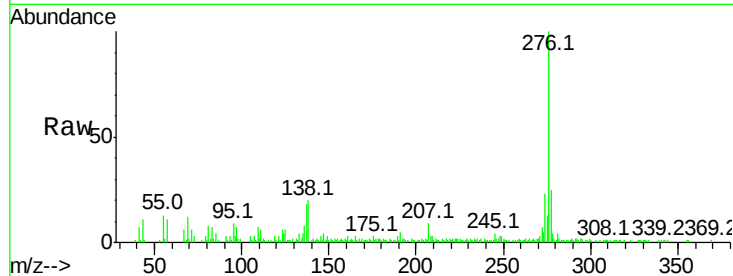
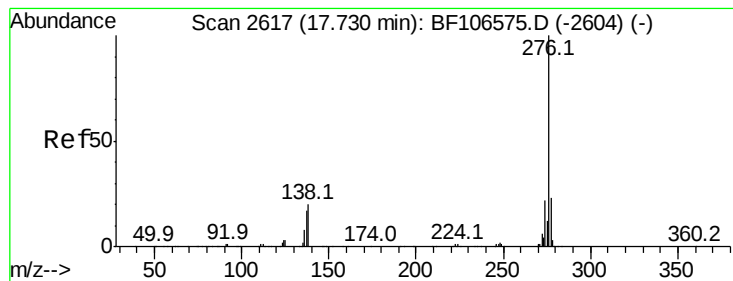
Sohil
7/9/2018 2:06:22 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.434 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.06 min
Lab File: BF107205.D
Acq: 7 Jul 2018 14:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	15.9	23.9
279	30.2	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 15.155 ng

RT: 17.75 min Scan# 2621

Delta R.T. -0.04 min

Lab File: BF107205.D

Acq: 7 Jul 2018 14:42

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-23

Tot Ion: 276 Resp: 84850

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 19.9 21.8 32.8#

Manual Integrations

APPROVED

Sohil

7/9/2018 2:06:22 PM

