

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107241.D
 Acq On : 9 Jul 2018 20:48
 Operator : JU/SJ
 Sample : J3879-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-8

Manual Integrations
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 7/10/2018 2:46:53 PM

Quant Time: Jul 10 04:45:47 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	6.95	152	38004	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	130795	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	61234	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	124810	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	91946	20.00	ng	-0.02
86) Perylene-d12	15.69	264	68522	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	235946	105.13	ng	0.00
7) Phenol-d6	6.60	99	281115	100.30	ng	-0.01
23) Nitrobenzene-d5	7.51	82	161417	68.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	77164	108.72	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	292100	79.85	ng	-0.02
78) Terphenyl-d14	13.08	244	372060	98.02	ng	0.00

Target Compounds					Qvalue	
31) Naphthalene	8.25	128	13382	2.188	ng	98
48) Acenaphthylene	9.85	152	12962	2.137	ng	99
49) Dimethylphthalate	9.70	163	57193	12.453	ng	98
70) Phenanthrene	11.51	178	105060	17.452	ng	99
71) Anthracene	11.57	178	34252	5.574	ng	99
72) Carbazole	11.72	167	12060	2.096	ng	98
74) Fluoranthene	12.71	202	220081	33.169	ng	95
77) Pyrene	12.95	202	204817	33.780	ng	99
80) Benzo(a)anthracene	14.14	228	99766	17.803	ng	99
82) Chrysene	14.18	228	89490	17.358	ng	97
83) Bis(2-ethylhexyl)phthalate	14.09	149	14370	4.509	ng	# 93
85) Indeno(1,2,3-cd)pyrene	17.29	276	43114	9.854	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	98911m	23.237	ng	
88) Benzo(k)fluoranthene	15.26	252	28847m	7.117	ng	
89) Benzo(a)pyrene	15.63	252	65471	17.302	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	12494	3.896	ng	# 84
91) Benzo(a,h,i)perylene	17.79	276	43024	13.726	ng	# 87

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

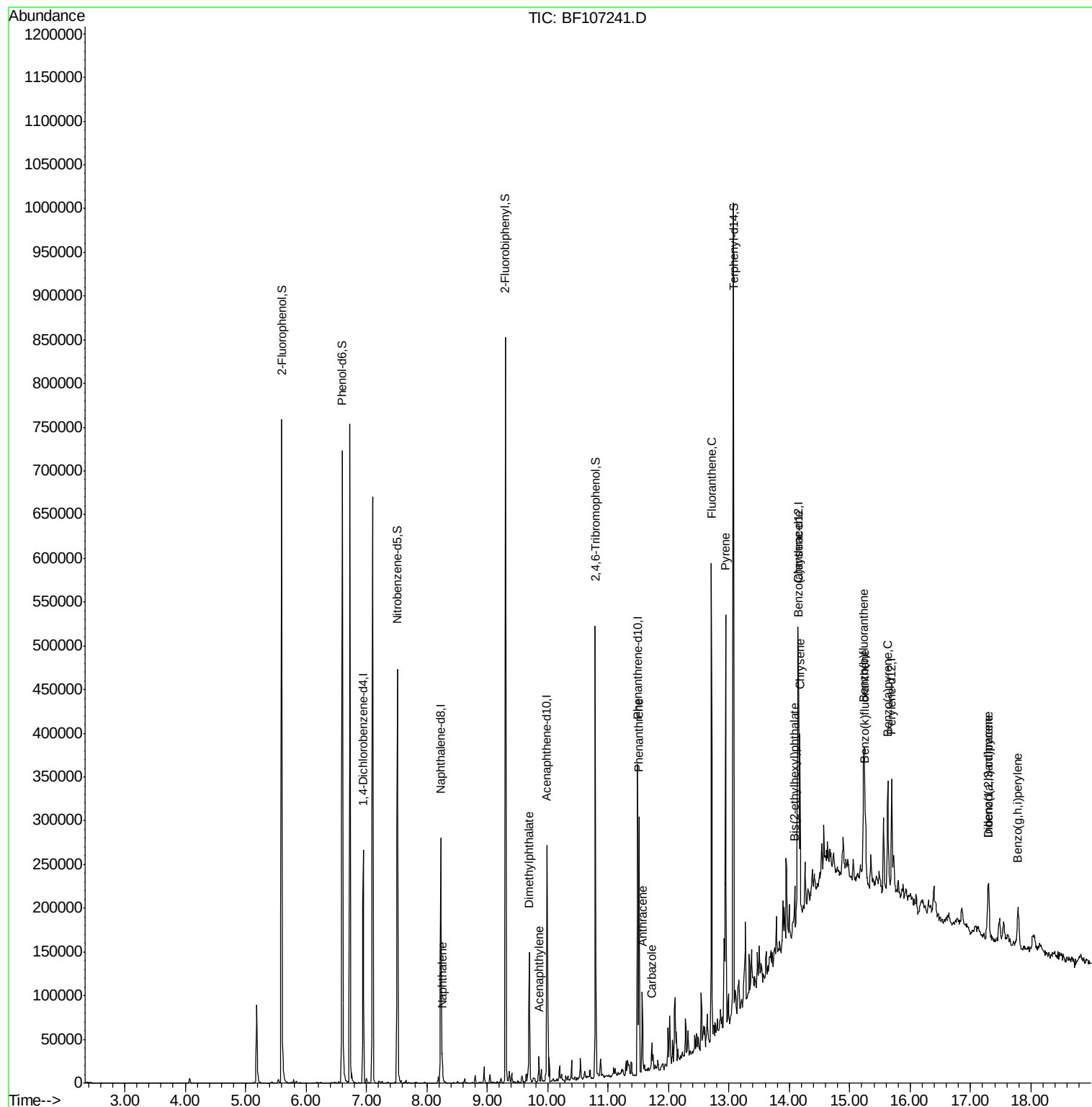
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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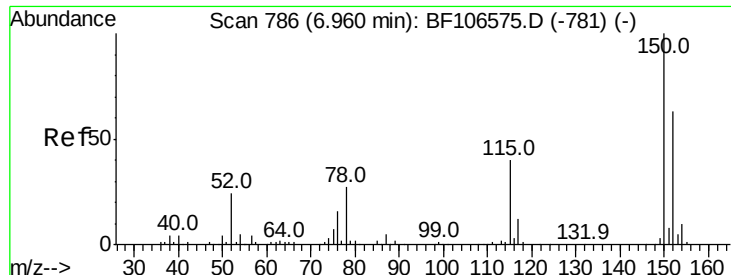
Instrument :
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#1

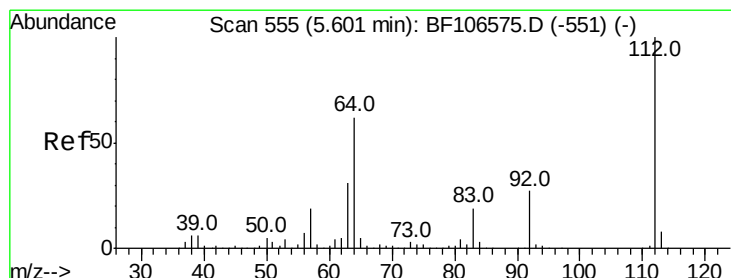
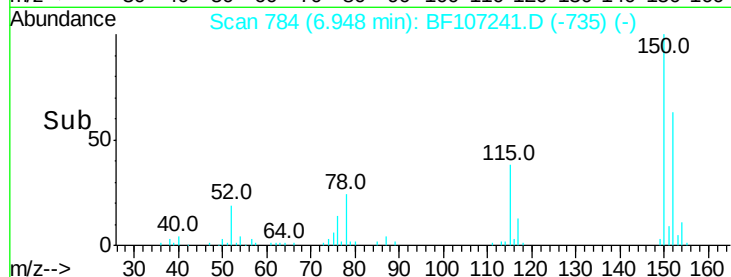
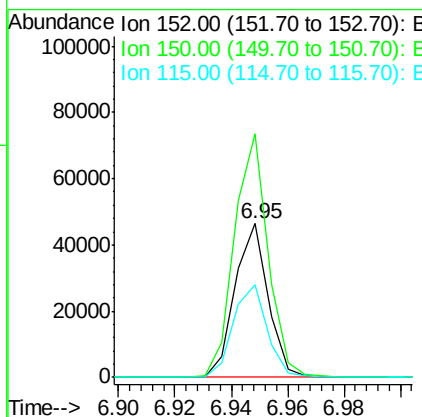
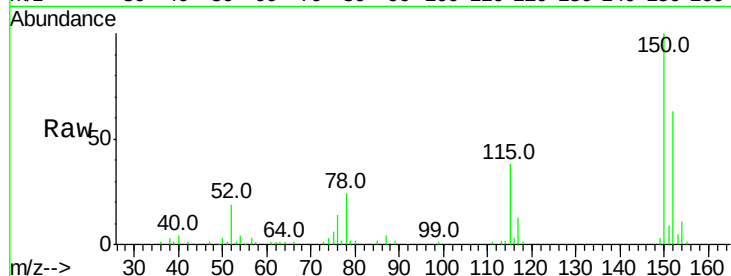
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	60.1	50.1	75.1

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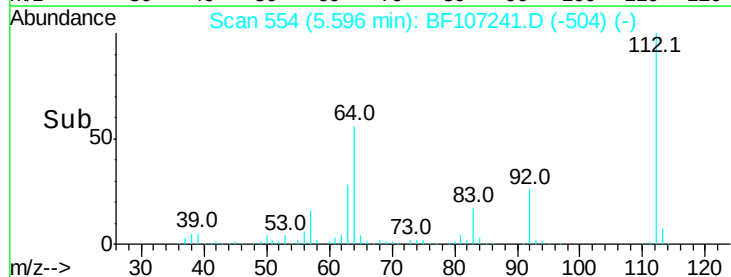
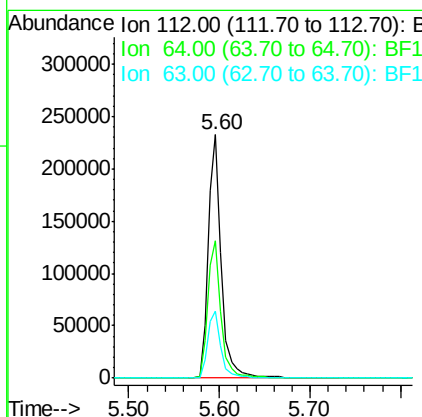
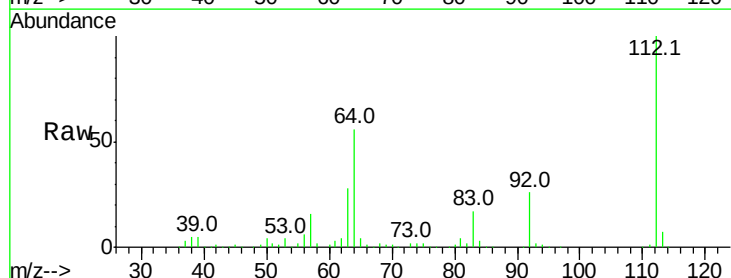
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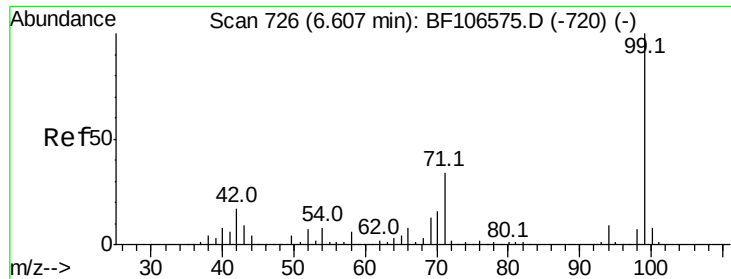


#5

2-Fluorophenol
Concen: 105.129 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 100.299 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107241.D

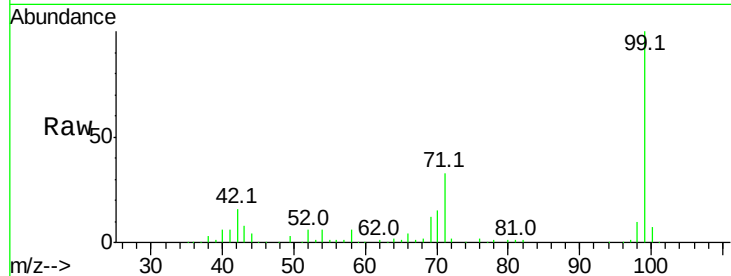
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Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8

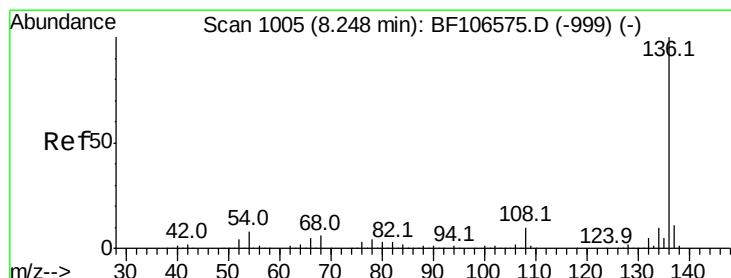
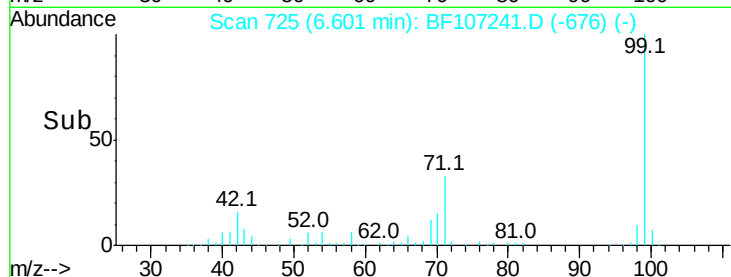
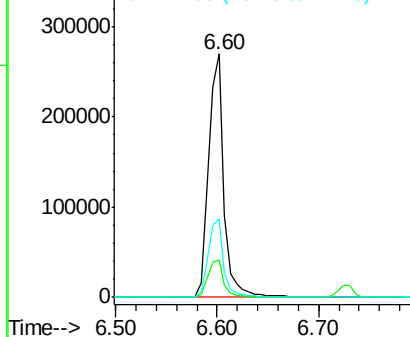
Tot Ion:	99	Resp:	281115
Ion Ratio	Lower	Upper	
99	100		
42	15.5	14.5	21.7
71	32.5	25.4	38.0

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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

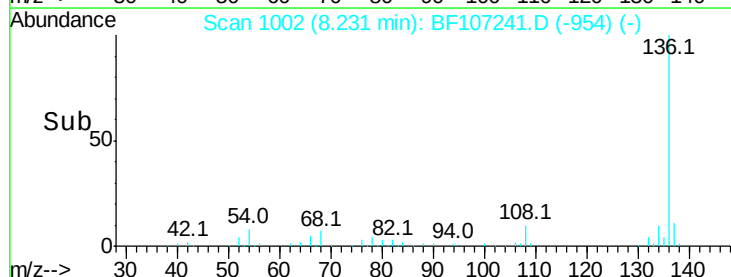
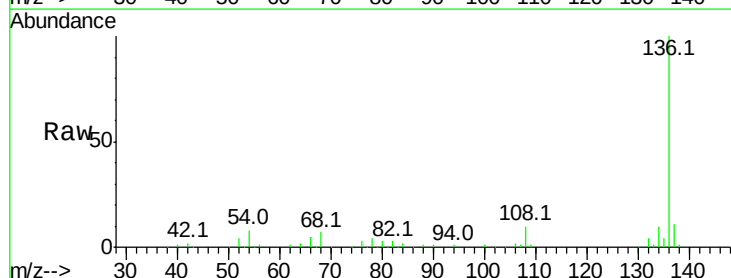
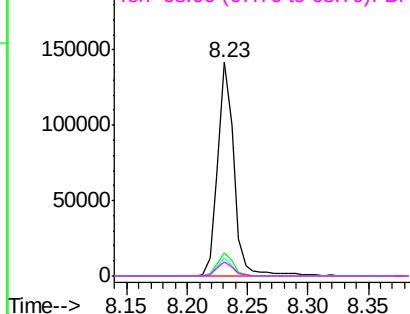
Delta R.T. -0.02 min

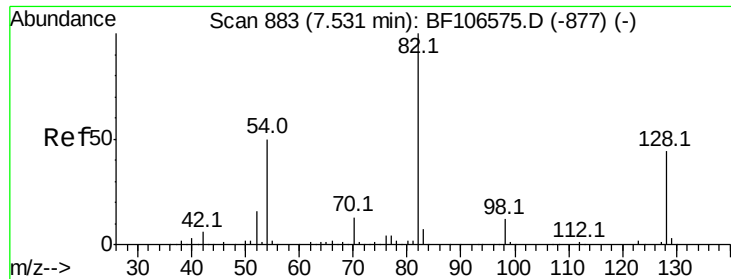
Lab File: BF107241.D

Acq: 9 Jul 2018 20:48

Tgt Ion:	136	Resp:	130795
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.1	6.6	9.8
68	6.8	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





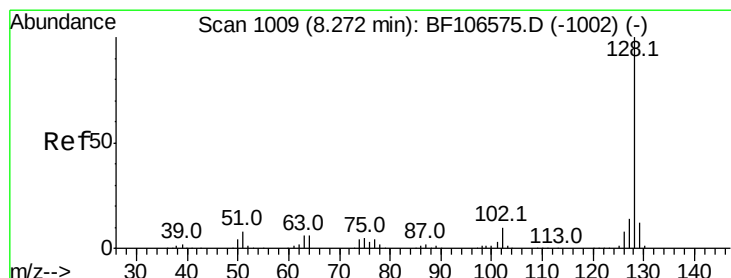
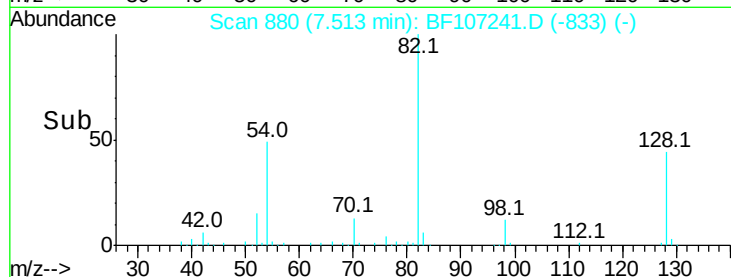
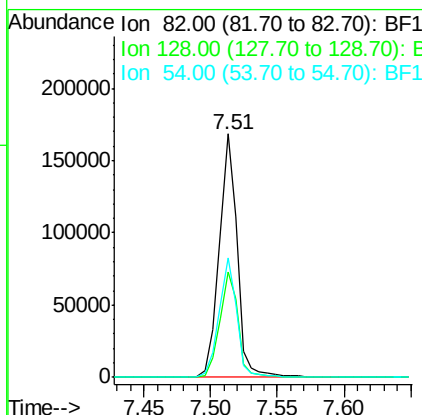
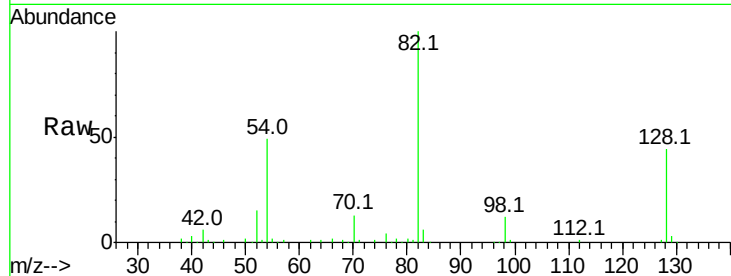
#23
Nitrobenzene-d5
Concen: 68.585 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.1	54.1
54	49.1	41.4	62.2

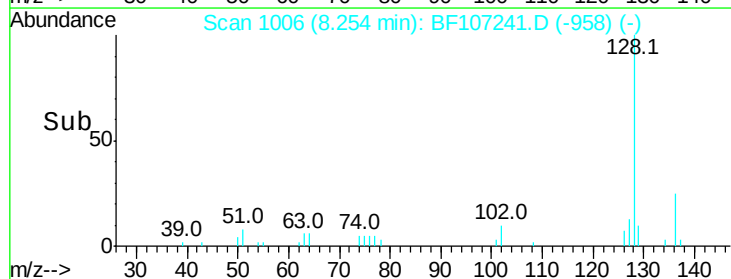
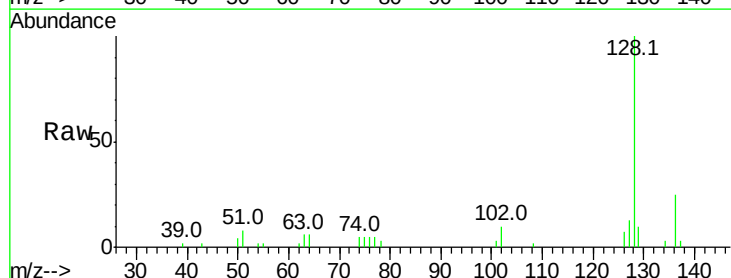
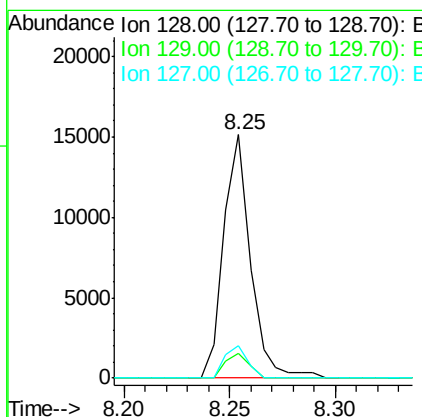
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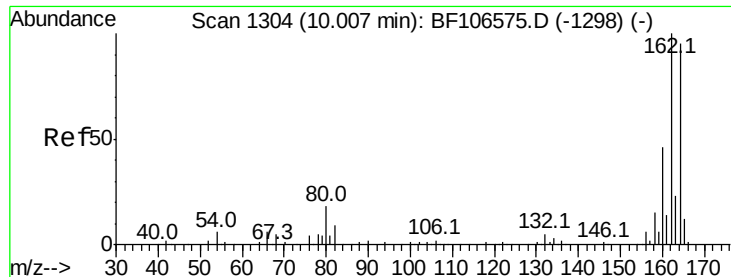
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#31
Naphthalene
Concen: 2.188 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.8	13.2
127	13.1	10.9	16.3





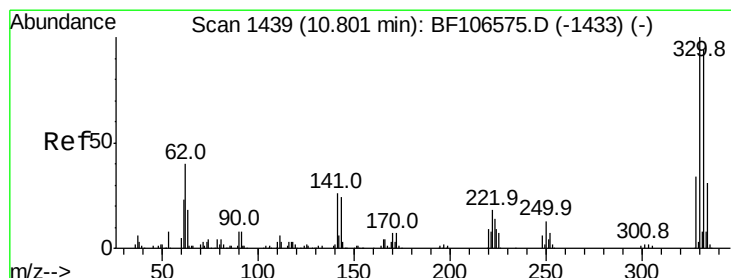
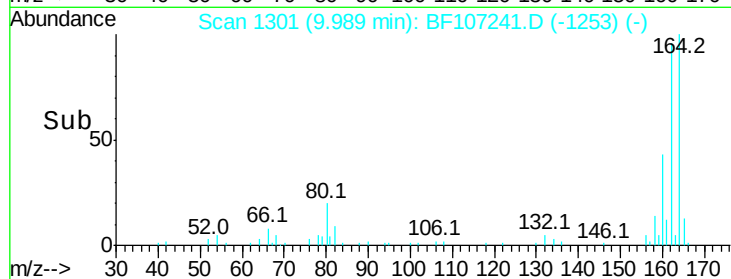
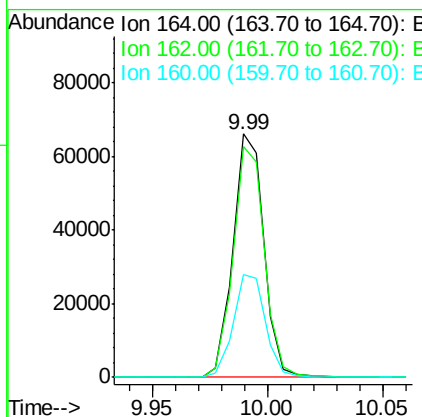
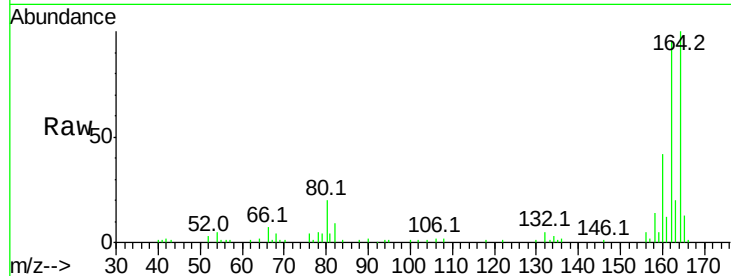
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107241.D
 Acq: 9 Jul 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-8

Tot Ion	Ratio	Lower	Upper
164	100		
162	94.6	86.1	129.1
160	42.0	38.3	57.5

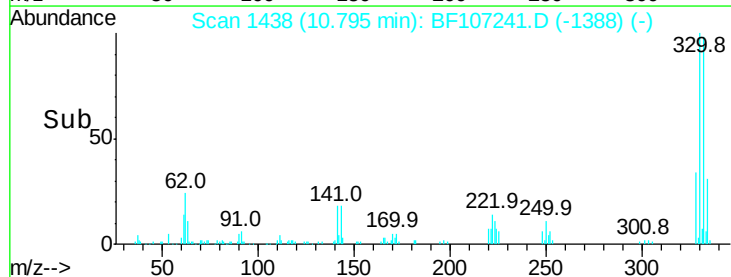
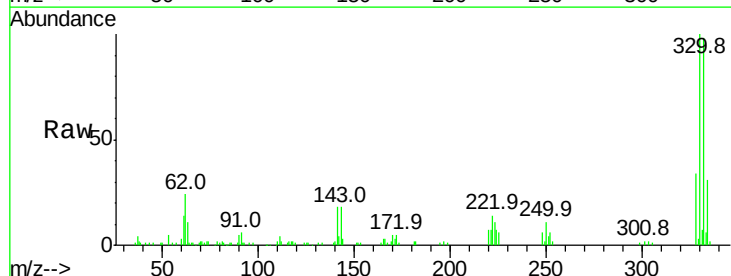
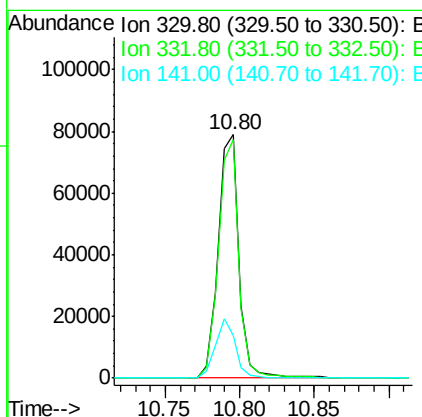
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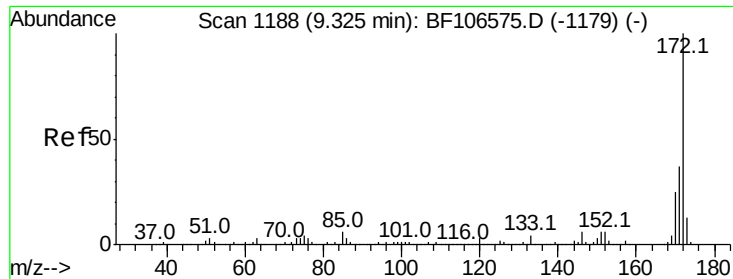
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#41
 2,4,6-Tribromophenol
 Concen: 108.725 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107241.D
 Acq: 9 Jul 2018 20:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	23.6	29.9	44.9#





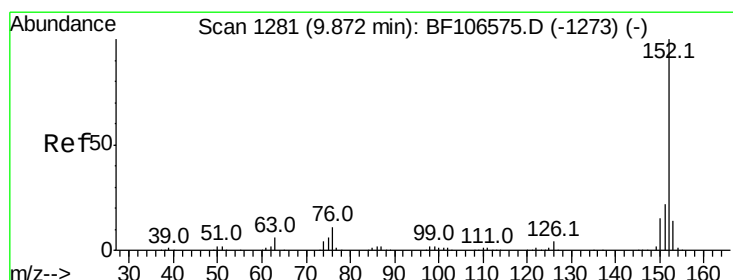
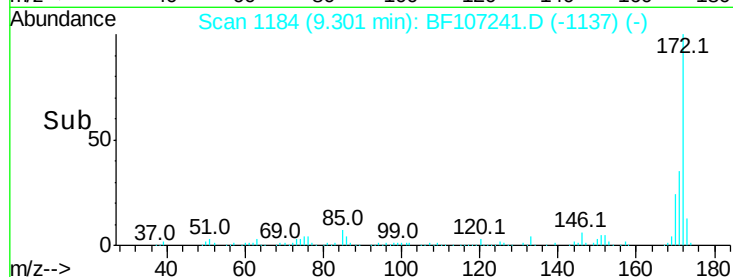
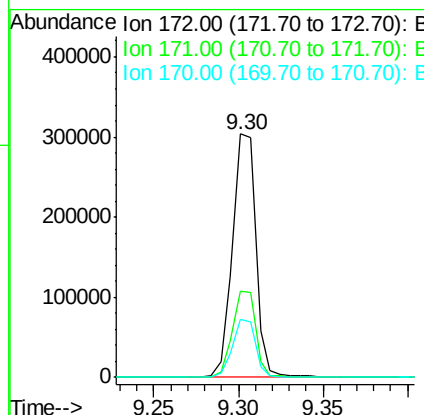
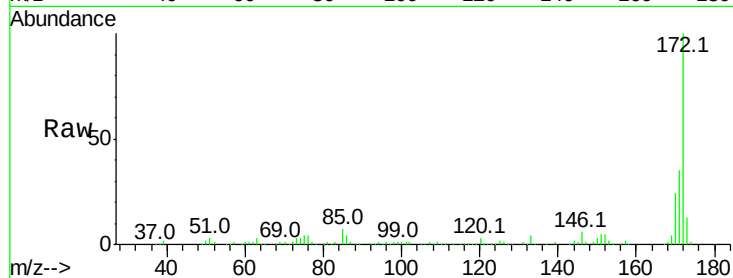
#44
2-Fluorobiphenyl
Concen: 79.848 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8

Tot Ion	Ratio	Resp	Lower	Upper
172	100	292100		
171	35.2		29.7	44.5
170	23.9		19.6	29.4

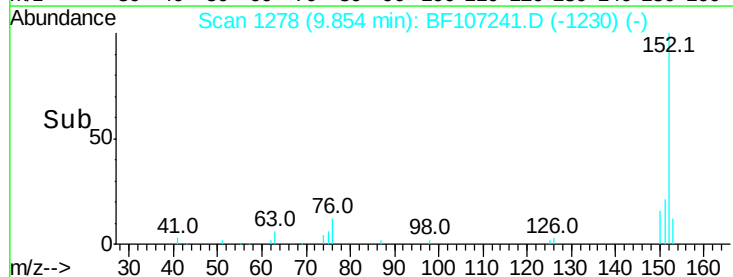
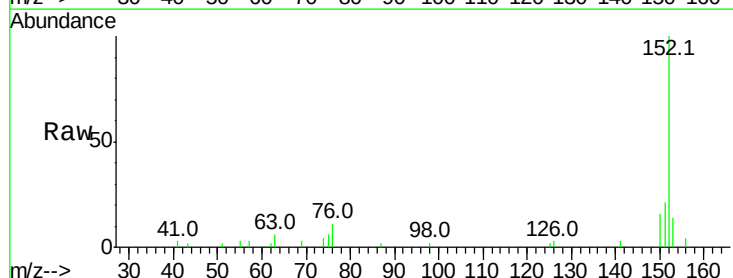
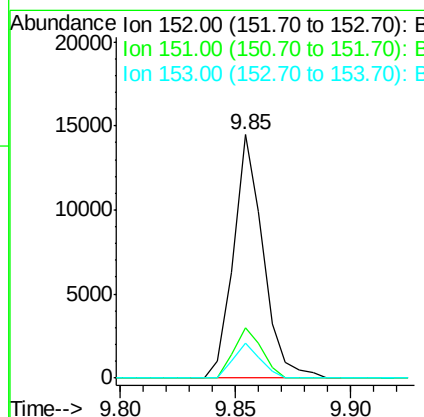
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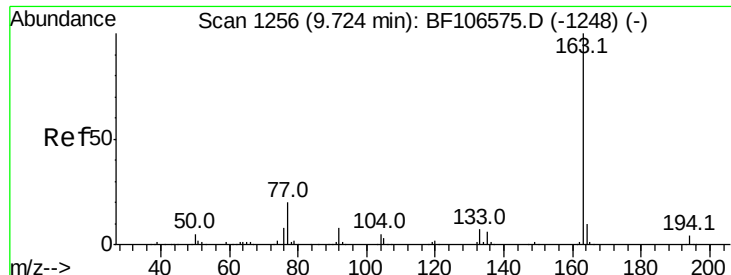
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#48
Acenaphthylene
Concen: 2.137 ng
RT: 9.85 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	12962		
151	20.7		16.3	24.5
153	14.3		10.7	16.1





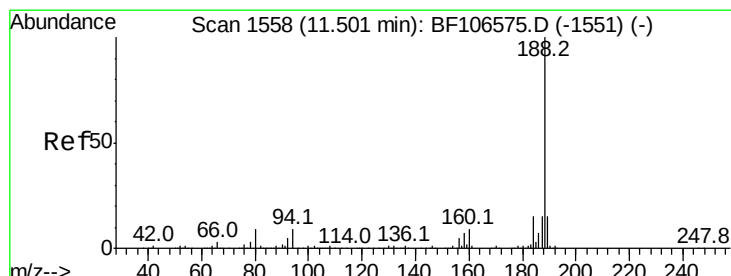
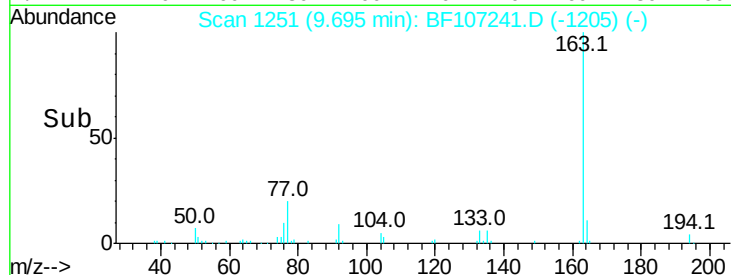
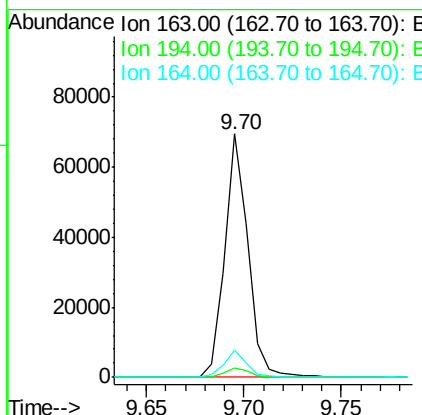
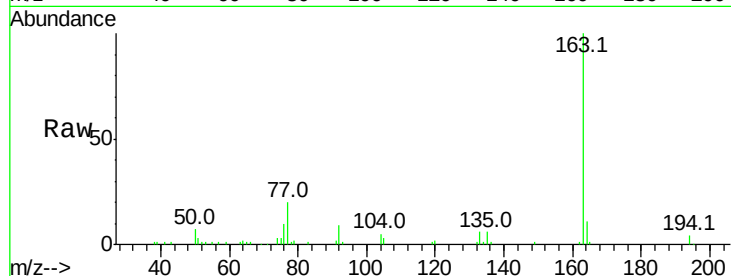
#49
Dimethylphthalate
Concen: 12.453 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8

Tot Ion	Ratio	Resp	Lower	Upper
163	100	57193		
194	3.9		2.7	4.1
164	11.0		8.2	12.2

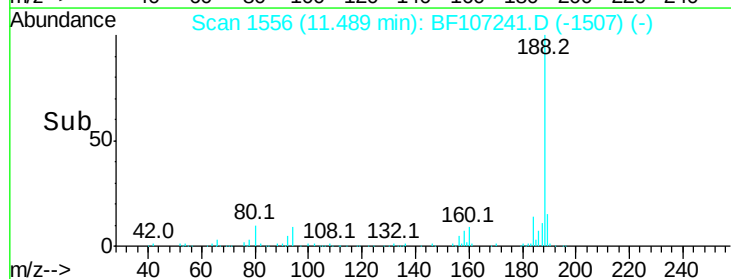
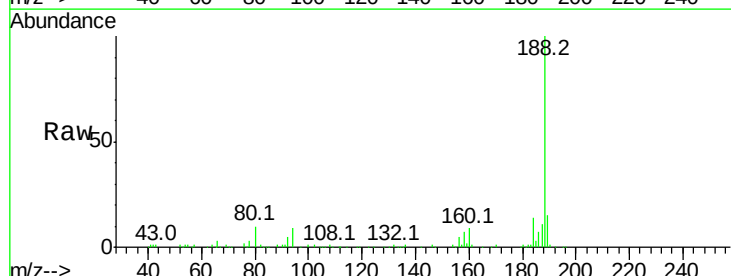
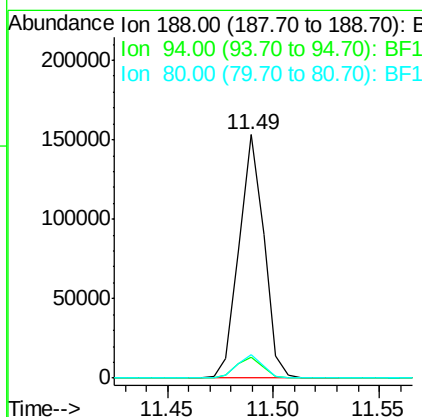
Manual Integrations
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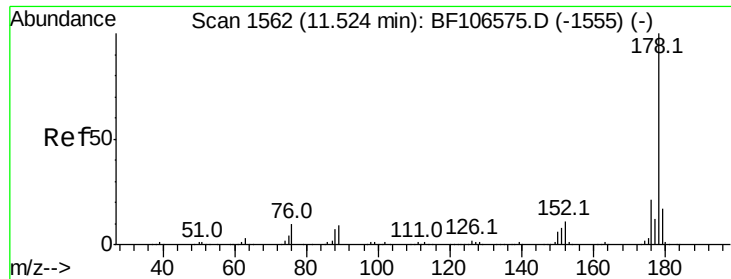
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	124810		
94	8.7		8.5	12.7
80	9.7		9.2	13.8





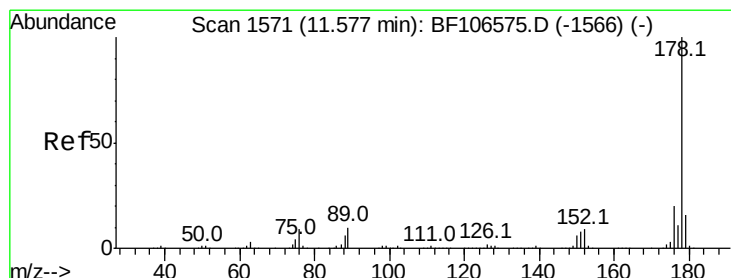
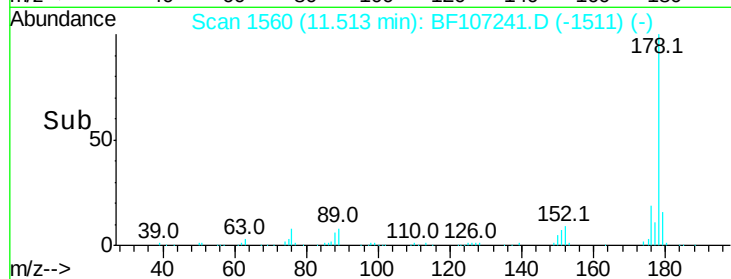
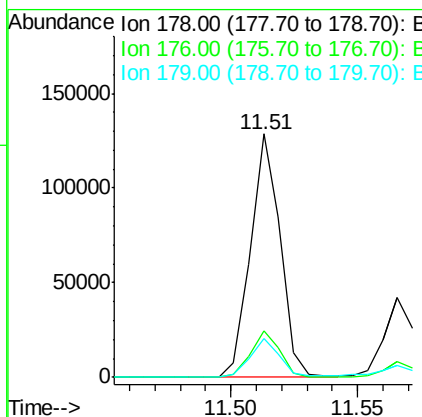
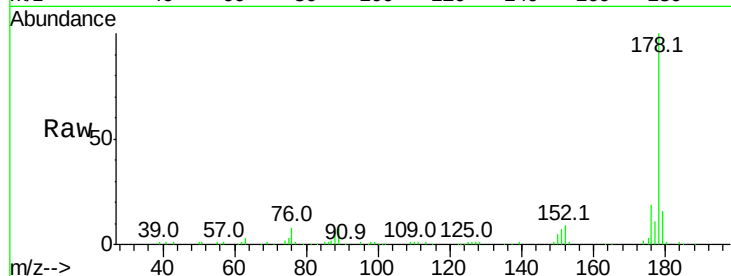
#70
Phenanthrene
Concen: 17.452 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.9	13.0	19.6

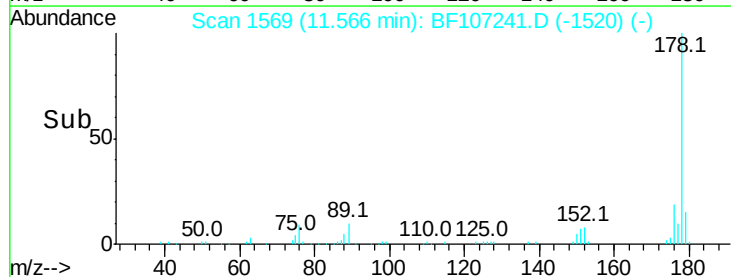
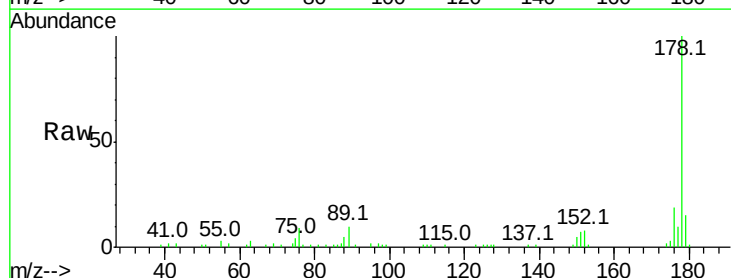
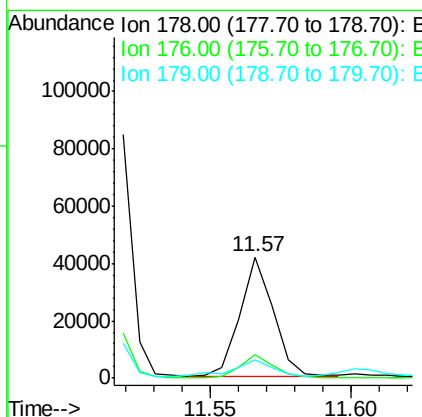
Manual Integrations
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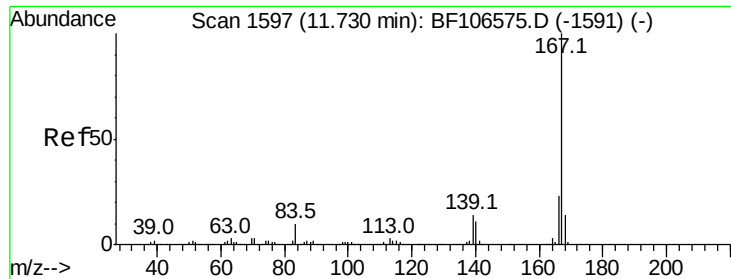
Sohil
7/10/2018 2:46:53 PM



#71
Anthracene
Concen: 5.574 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.2	12.6	19.0





#72

Carbazole

Concen: 2.096 ng

RT: 11.72 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF107241.D

Acq: 9 Jul 2018 20:48

Instrument :

BNA_F

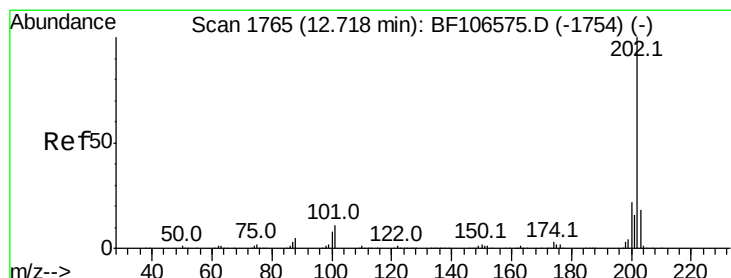
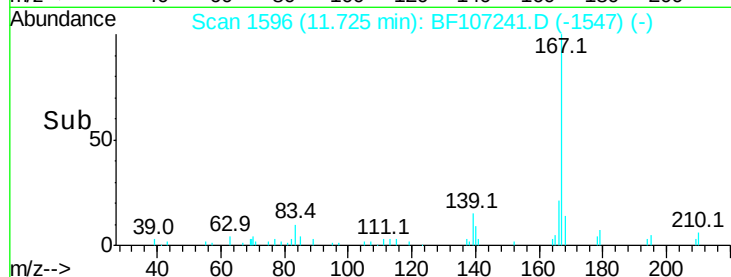
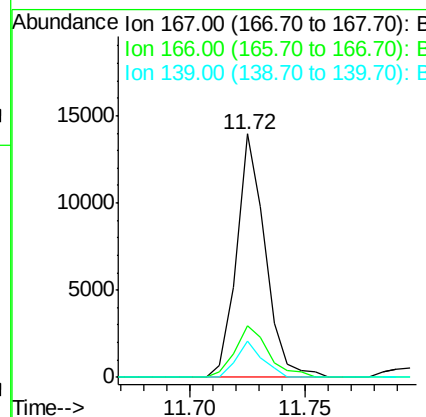
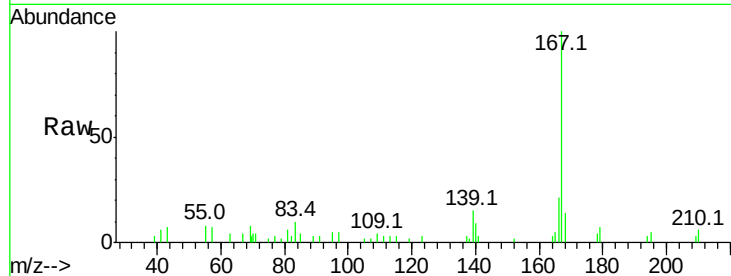
ClientSampleId :

SURCHARGE-SP-8

Tot Ion:	167	Resp:	12060
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.6	26.4
139	14.7	10.9	16.3

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#74

Fluoranthene

Concen: 33.169 ng

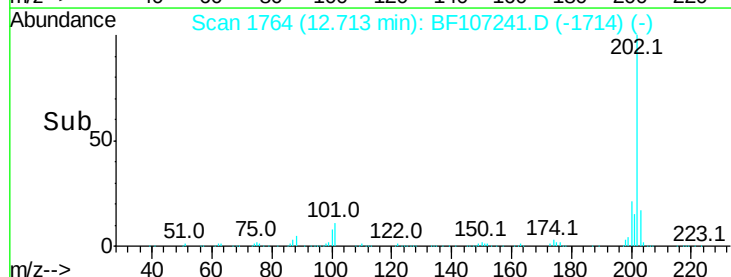
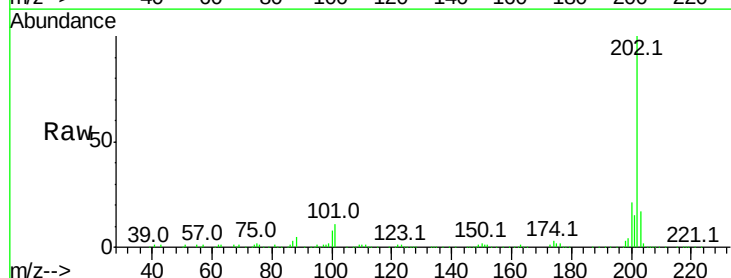
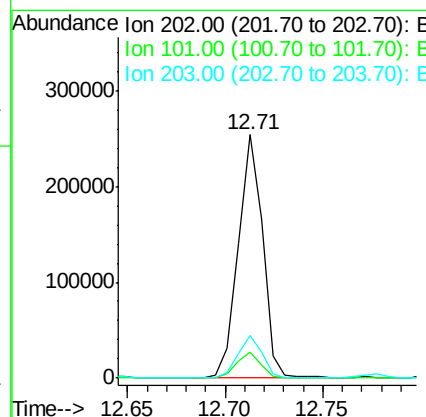
RT: 12.71 min Scan# 1764

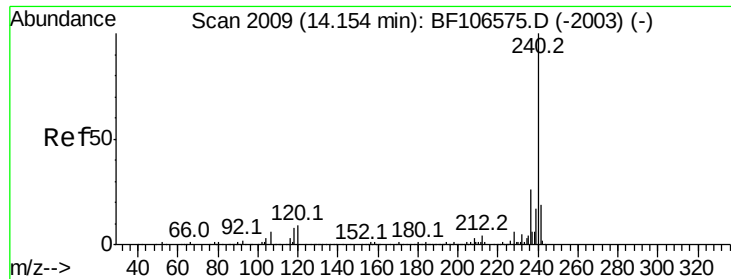
Delta R.T. -0.01 min

Lab File: BF107241.D

Acq: 9 Jul 2018 20:48

Tgt Ion:	202	Resp:	220081
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107241.D

Acq: 9 Jul 2018 20:48

Instrument :

BNA_F

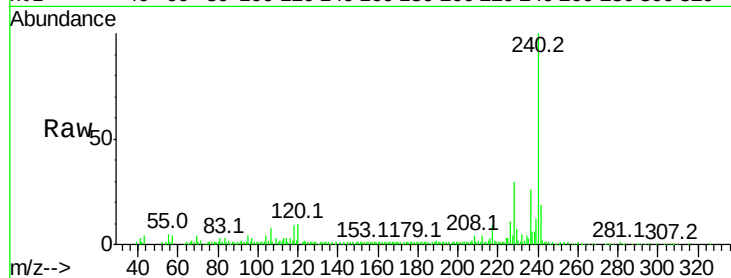
ClientSampleId :

SURCHARGE-SP-8

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.5	14.3
236	25.8	20.7	31.1

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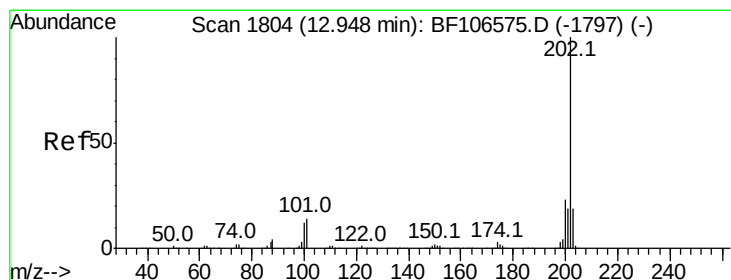
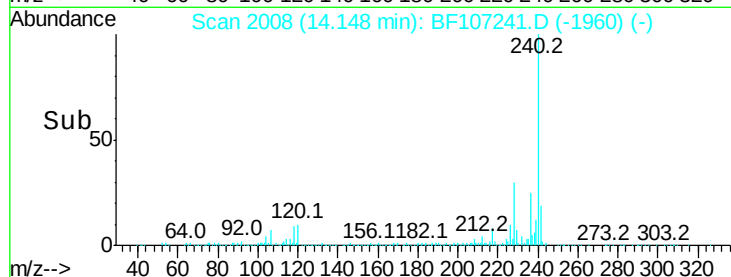
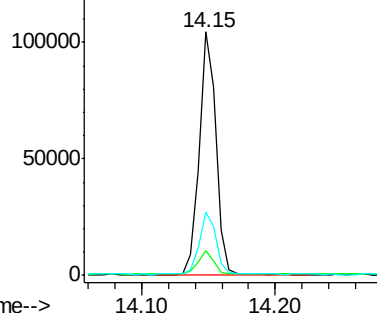
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 33.780 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107241.D

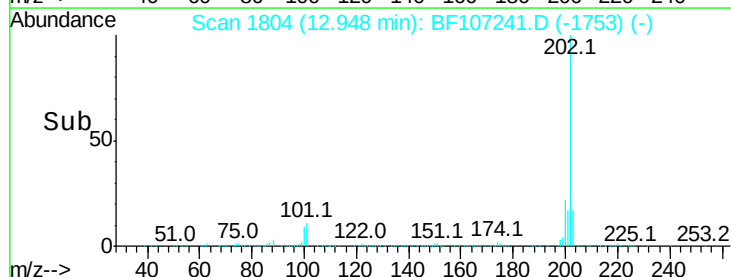
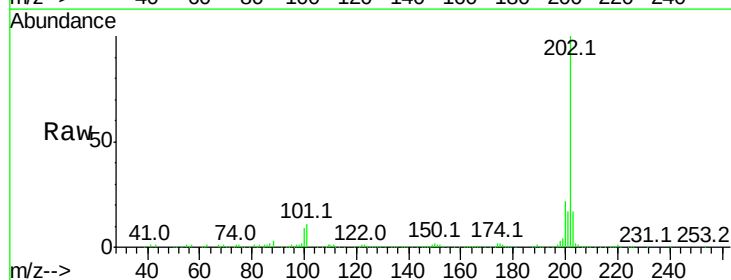
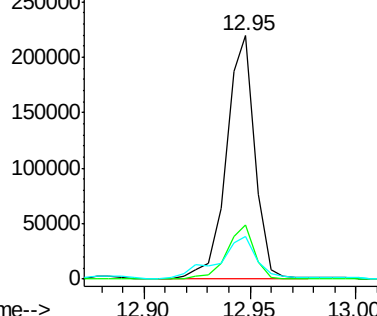
Acq: 9 Jul 2018 20:48

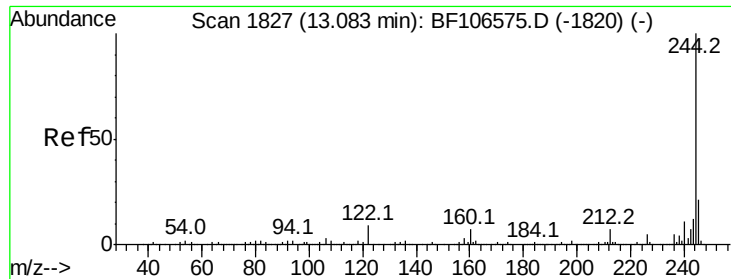
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.4	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





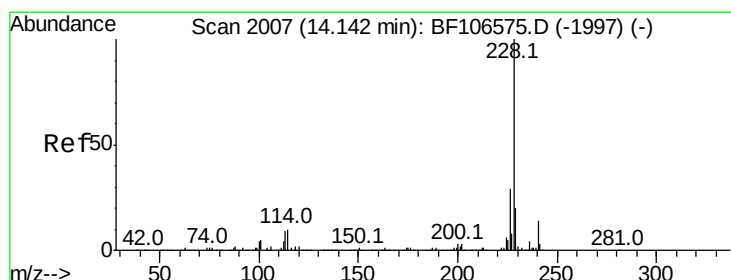
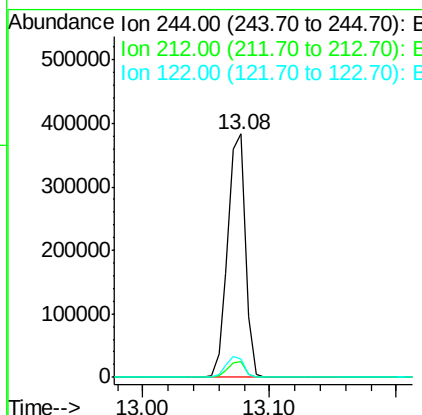
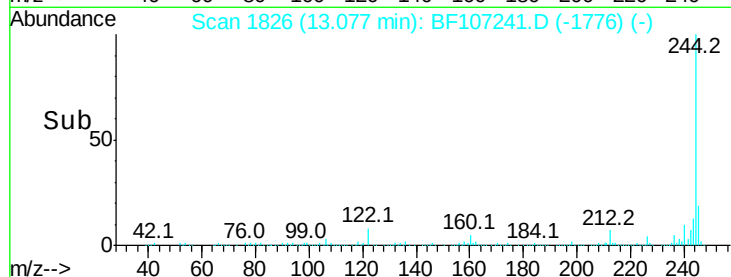
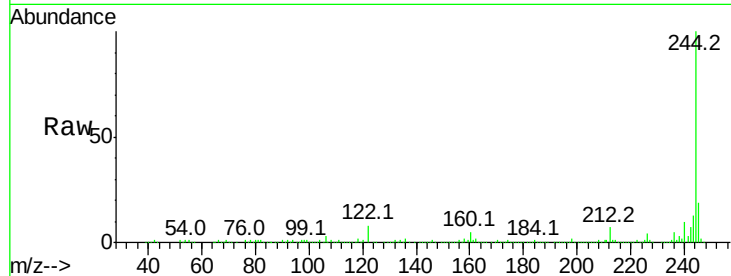
#78
 Terphenyl-d14
 Concen: 98.018 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107241.D
 Acq: 9 Jul 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-8

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	7.7	11.0	16.4

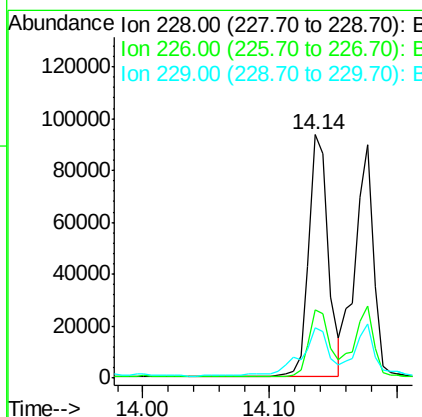
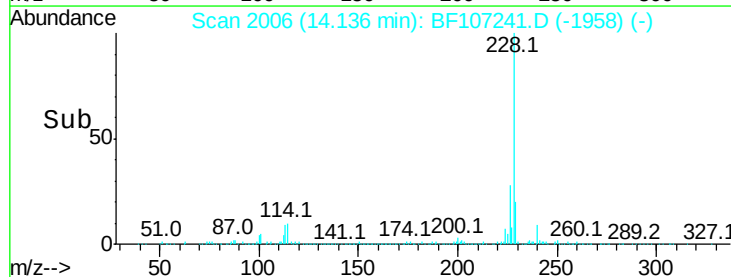
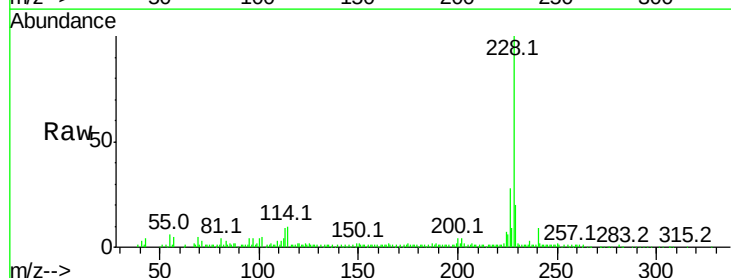
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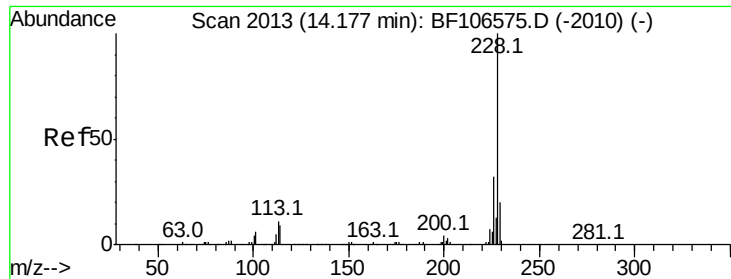
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#80
 Benzo(a)anthracene
 Concen: 17.803 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF107241.D
 Acq: 9 Jul 2018 20:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.5	15.8	23.6





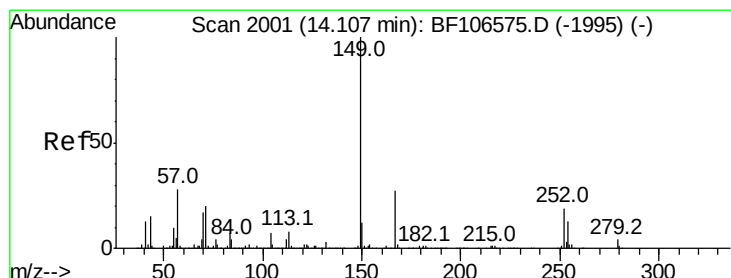
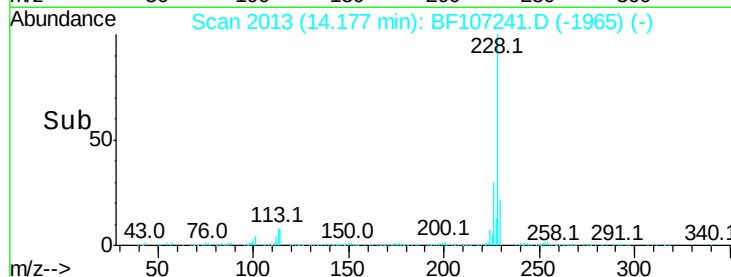
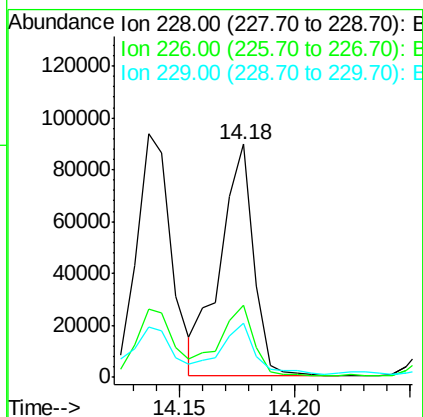
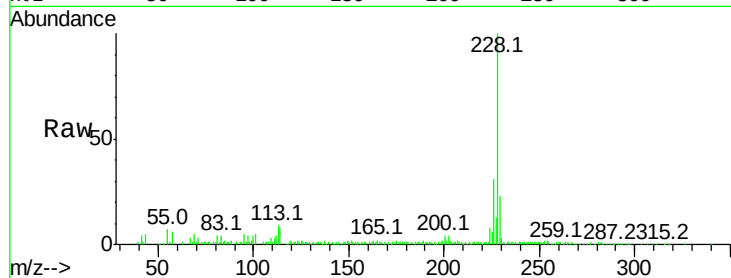
#82
Chrysene
Concen: 17.358 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8

Tot Ion:	228	Resp:	89490
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	23.0	16.2	24.4

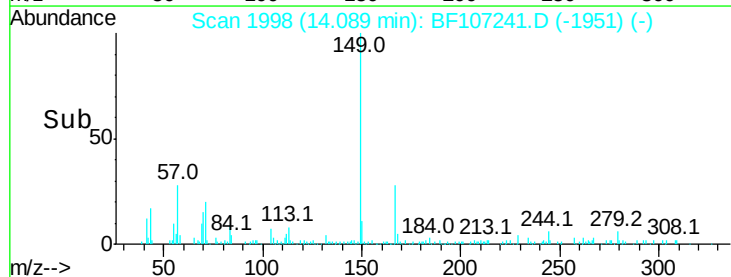
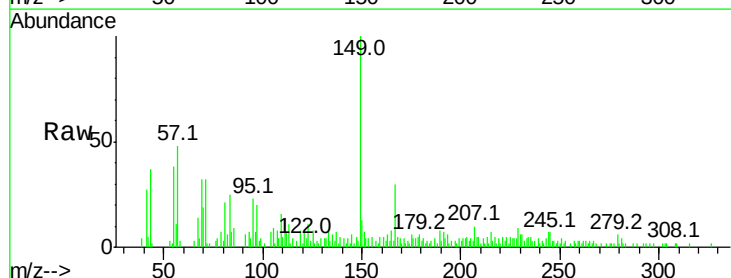
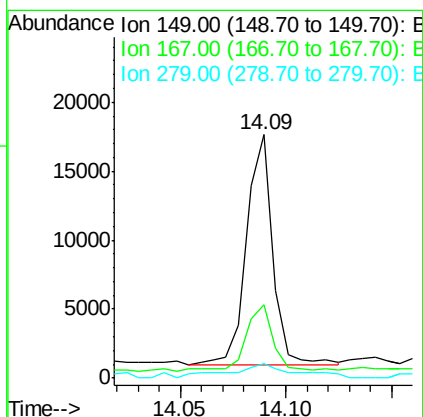
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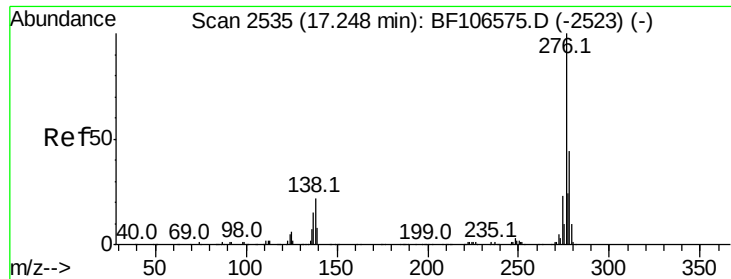
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#83
Bis(2-ethylhexyl)phthalate
Concen: 4.509 ng
RT: 14.09 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Tgt Ion:	149	Resp:	14370
Ion Ratio	Lower	Upper	
149	100		
167	29.9	21.3	31.9
279	6.0	3.0	4.4#





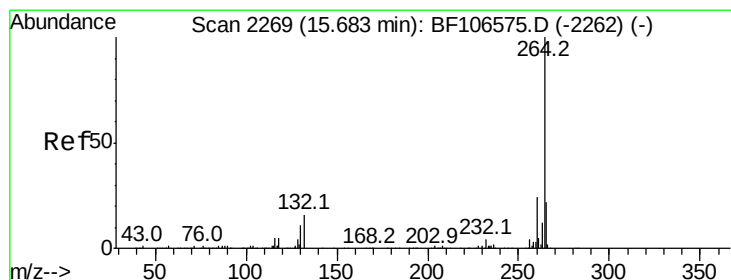
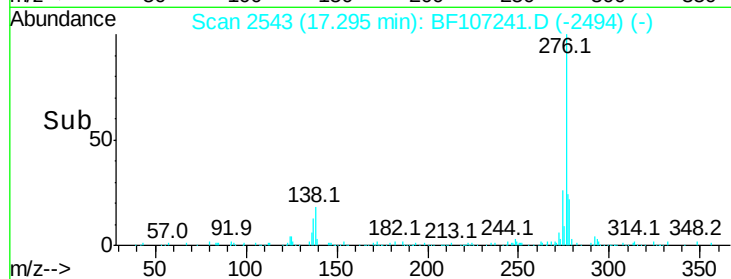
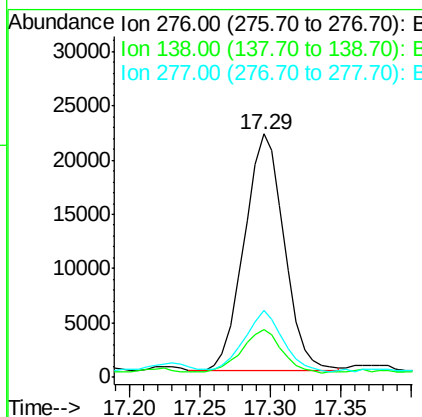
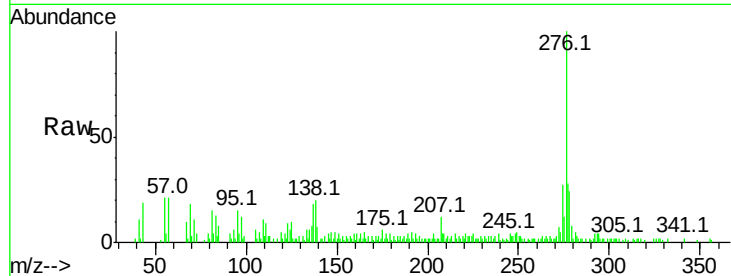
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.854 ng
 RT: 17.29 min Scan# 2543
 Delta R.T. -0.01 min
 Lab File: BF107241.D
 Acq: 9 Jul 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-8

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	25.0	37.6#
277	24.7	20.1	30.1

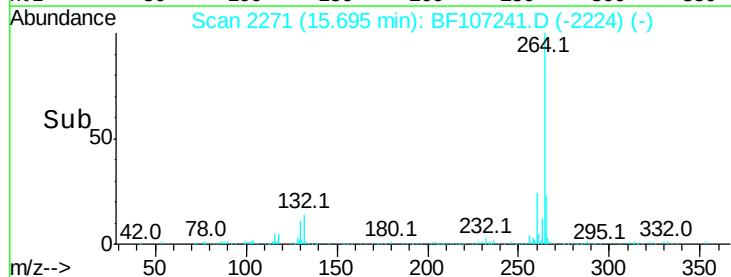
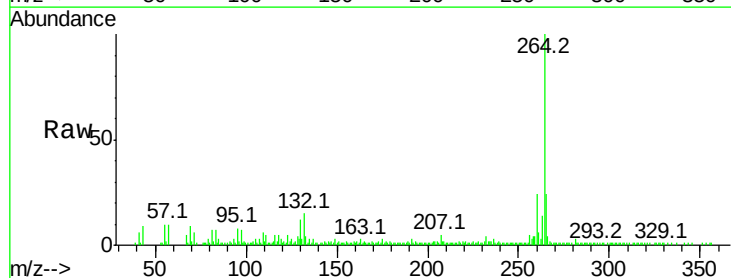
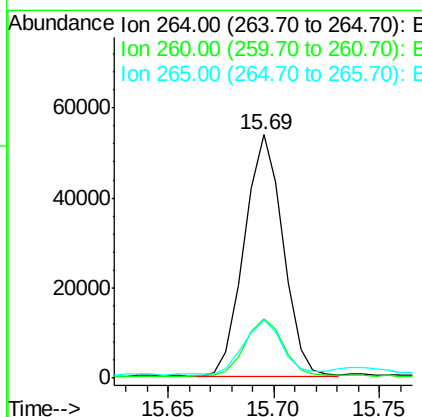
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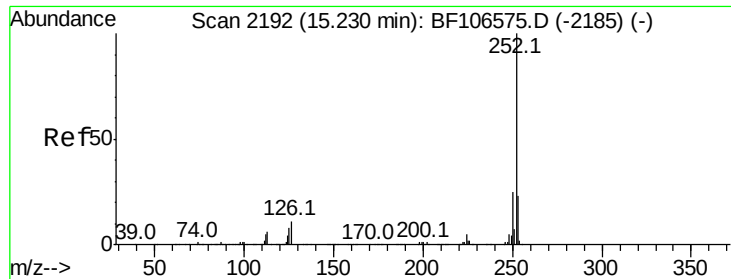
Sohil
 7/10/2018 2:46:53 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF107241.D
 Acq: 9 Jul 2018 20:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.8	17.5	26.3





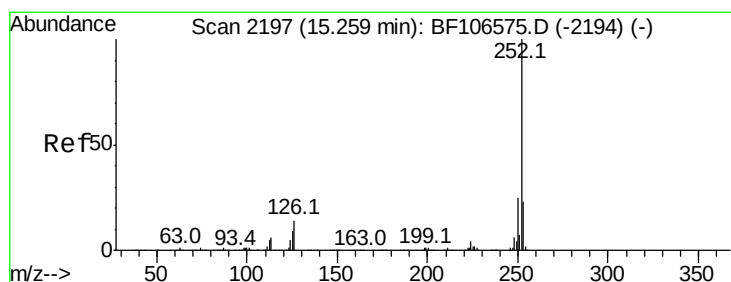
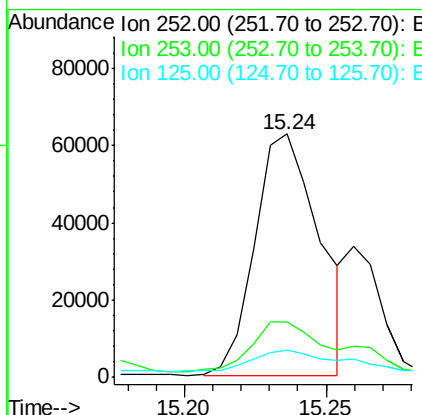
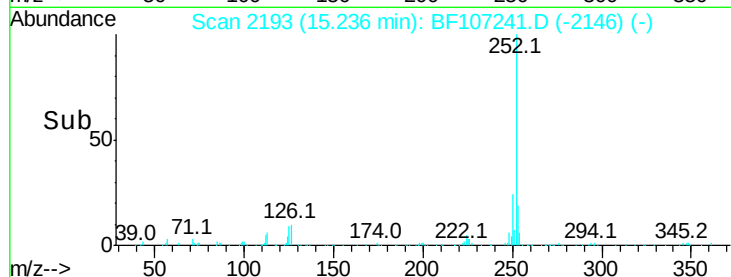
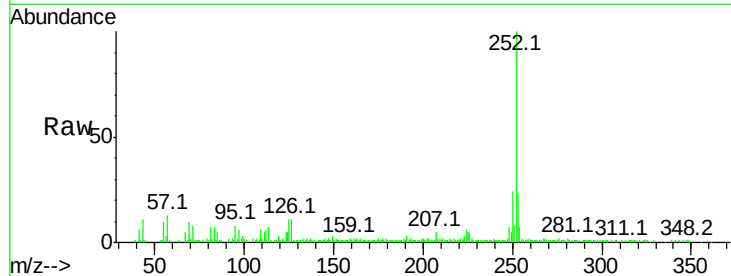
#87
Benzo(b)fluoranthene
Concen: 23.237 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.5	9.0	13.6

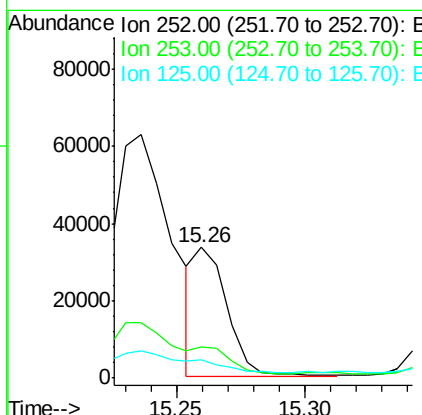
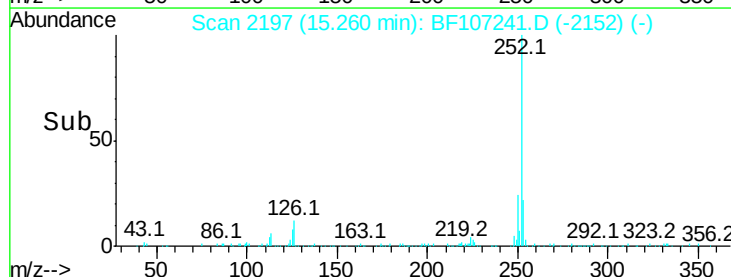
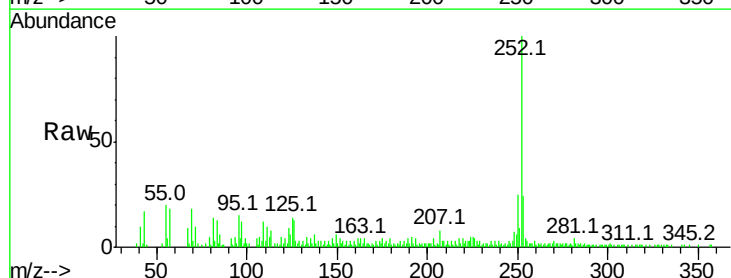
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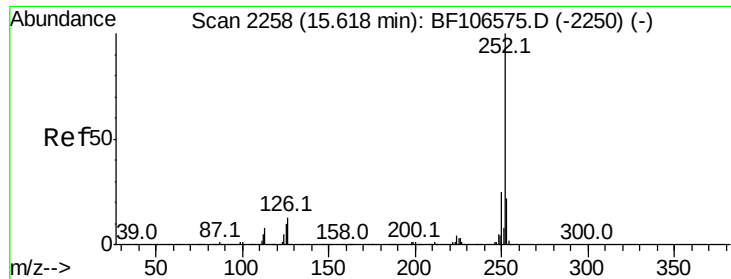
Sohil
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#88
Benzo(k)fluoranthene
Concen: 7.117 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	13.8	10.2	15.2





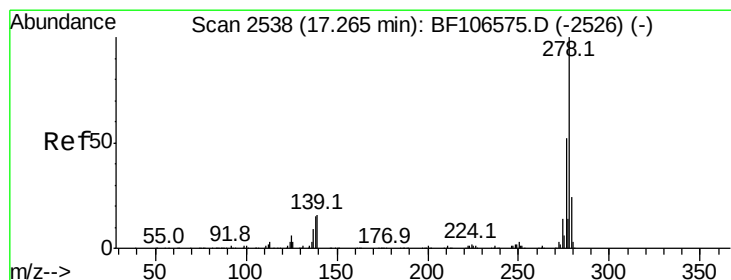
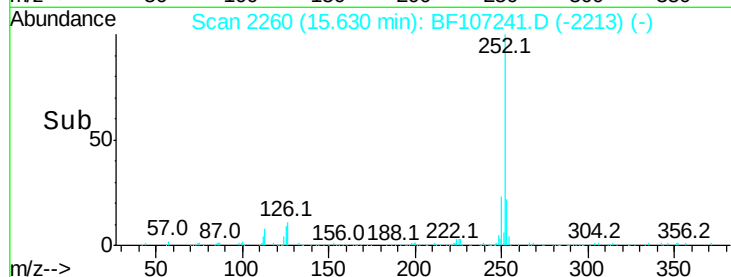
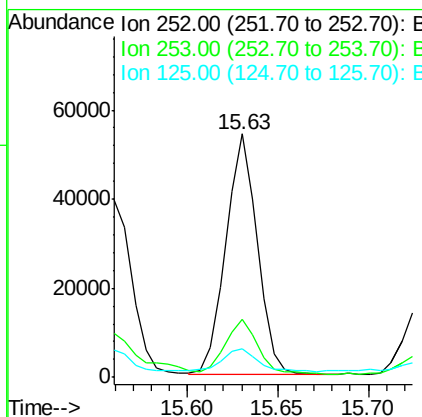
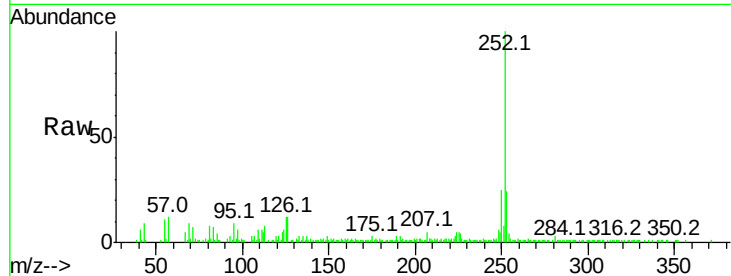
#89
Benzo(a)pyrene
Concen: 17.302 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	11.8	9.8	14.6

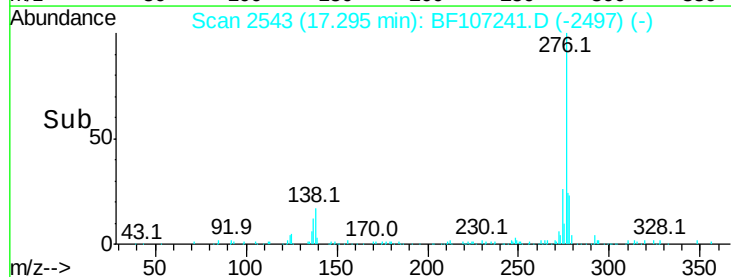
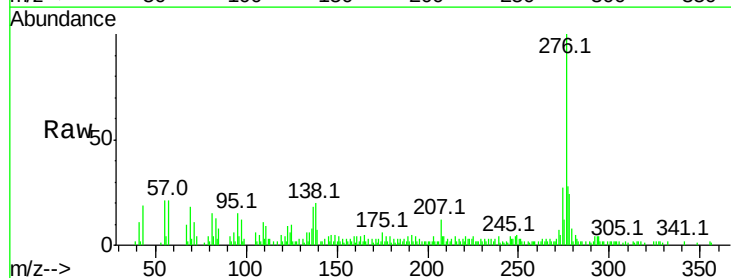
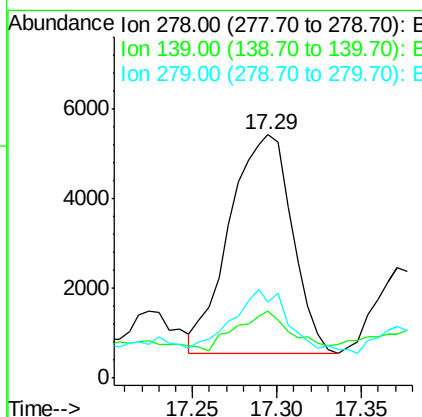
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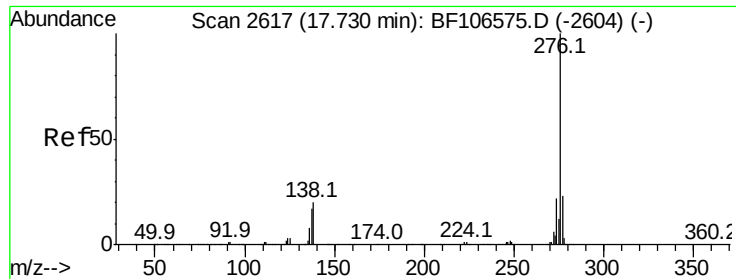
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#90
Dibenzo(a,h)anthracene
Concen: 3.896 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF107241.D
Acq: 9 Jul 2018 20:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.4	15.9	23.9#
279	31.4	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 13.726 ng
 RT: 17.79 min Scan# 2627
 Delta R.T. 0.00 min
 Lab File: BF107241.D
 Acq: 9 Jul 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-8

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9#
138	19.1	21.8	32.8#

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