

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107239.D
 Acq On : 9 Jul 2018 19:55
 Operator : JU/SJ
 Sample : J3879-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-6

Manual Integrations
 APPROVED

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 7/10/2018 2:46:48 PM

Quant Time: Jul 10 04:38:49 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	30514	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	102009	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	46679	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	103738	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	83751	20.00	ng	-0.02
86) Perylene-d12	15.69	264	56984	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	205383	113.97	ng	0.02
7) Phenol-d6	6.62	99	232759	103.43	ng	0.00
23) Nitrobenzene-d5	7.51	82	124372	67.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	61898	114.41	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	230131	83.12	ng	-0.02
78) Terphenyl-d14	13.08	244	332918	96.29	ng	0.00
Target Compounds						
31) Naphthalene	8.25	128	10121	2.122	ng	Qvalue 97
49) Dimethylphthalate	9.70	163	57458	16.412	ng	98
70) Phenanthrene	11.51	178	62145	12.420	ng	98
71) Anthracene	11.57	178	20714	4.056	ng	99
74) Fluoranthene	12.71	202	150057	27.210	ng	95
77) Pyrene	12.95	202	146478	26.522	ng	100
80) Benzo(a)anthracene	14.14	228	71749	14.056	ng	99
82) Chrysene	14.18	228	63706	13.566	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	28263	7.092	ng	# 84
87) Benzo(b)fluoranthene	15.23	252	66641m	18.826	ng	
88) Benzo(k)fluoranthene	15.26	252	18221m	5.405	ng	
89) Benzo(a)pyrene	15.63	252	42206	13.412	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	8311	3.116	ng	# 84
91) Benzo(g,h,i)perylene	17.78	276	27464	10.536	ng	# 89

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

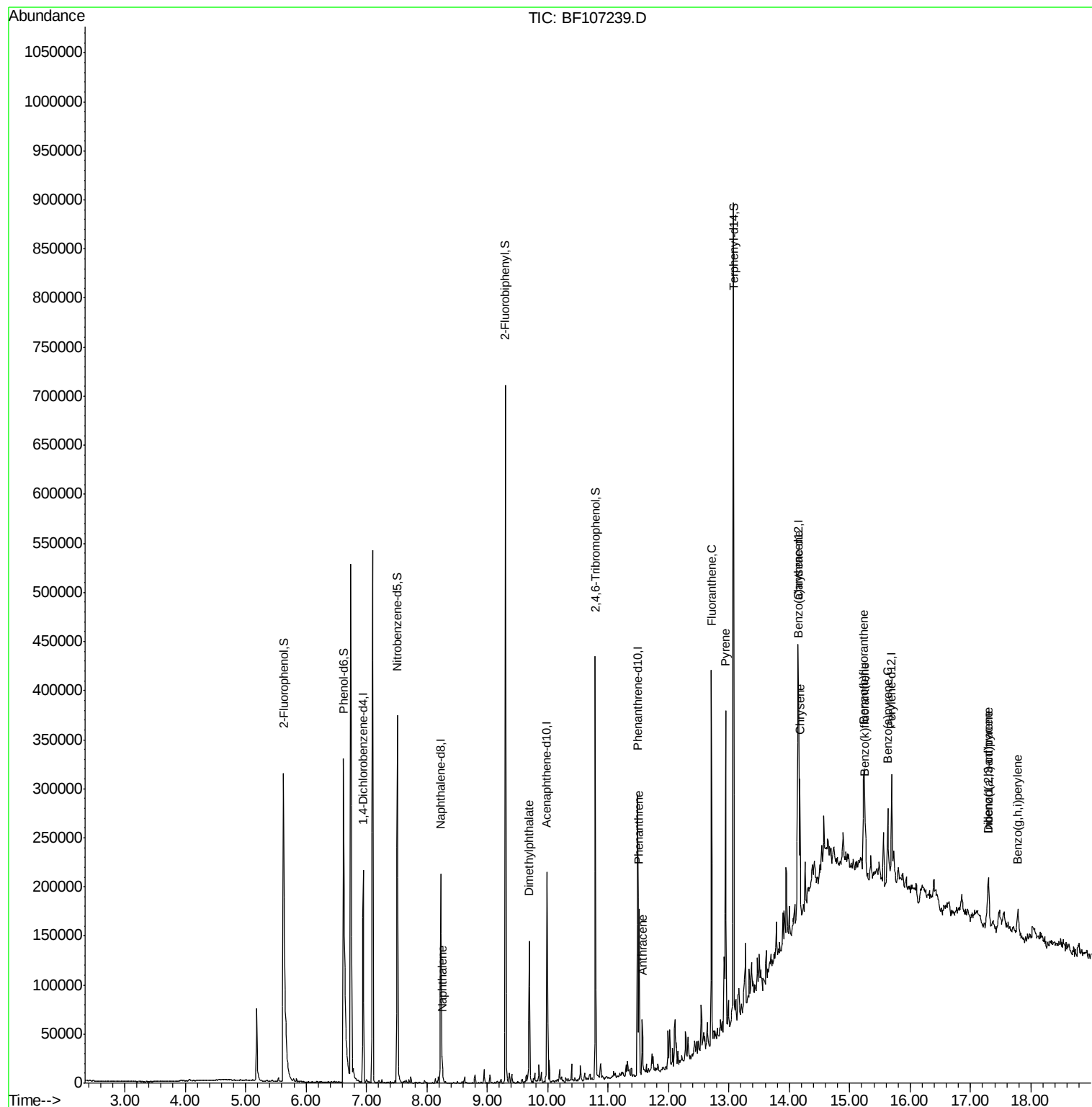
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107239.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
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#1

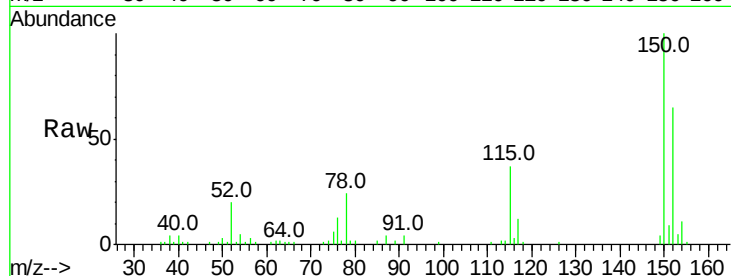
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.6	186.8
115	57.1	50.1	75.1

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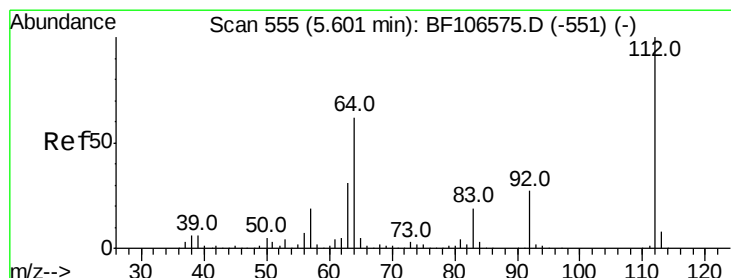
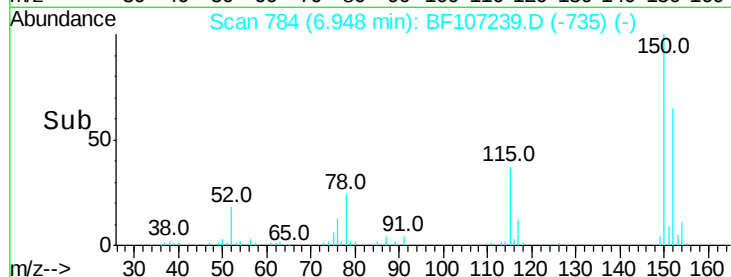
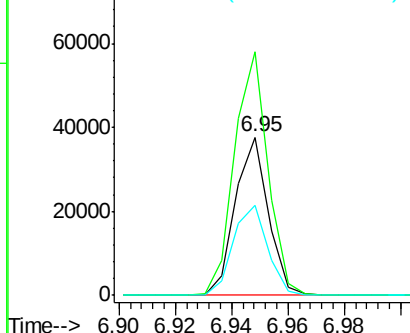


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

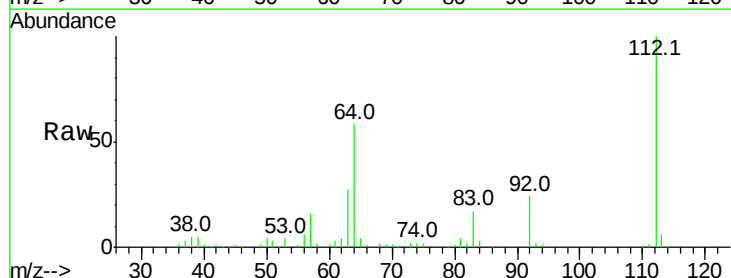
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.973 ng
RT: 5.62 min Scan# 559
Delta R.T. 0.02 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	27.3	23.7	35.5

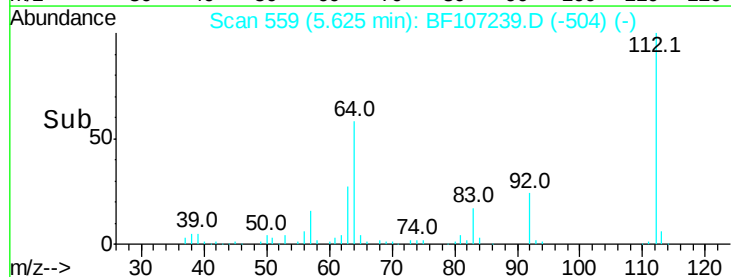
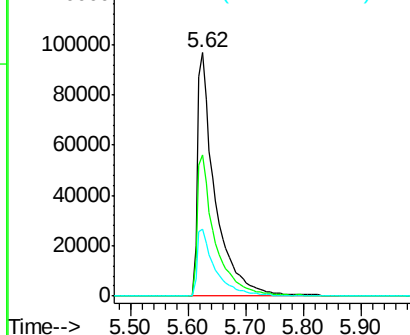


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 103.431 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

Instrument :

BNA_F

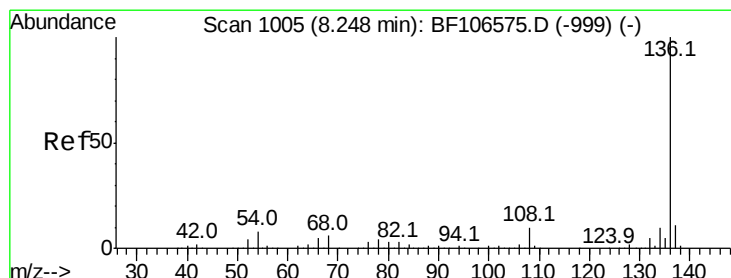
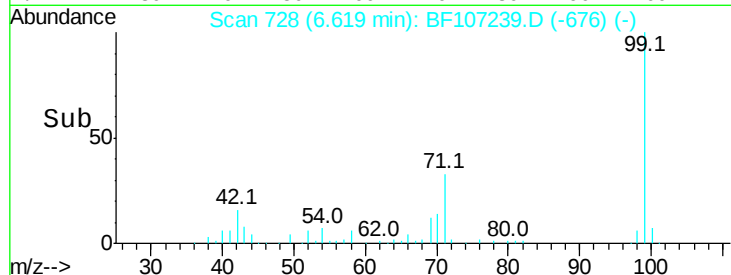
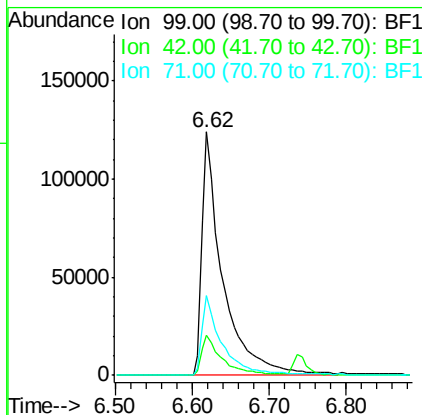
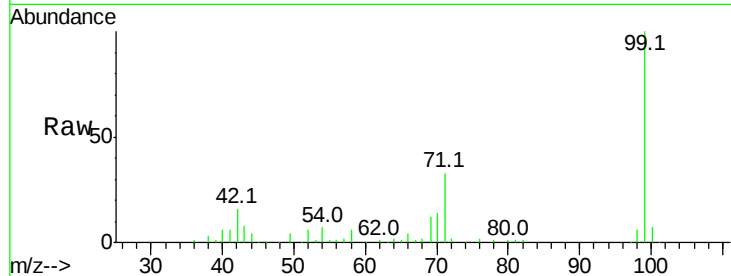
ClientSampleId :

SURCHARGE-SP-6

Tot Ion:	99	Resp:	232759
Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

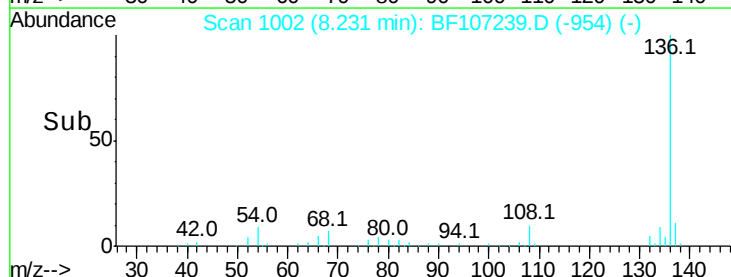
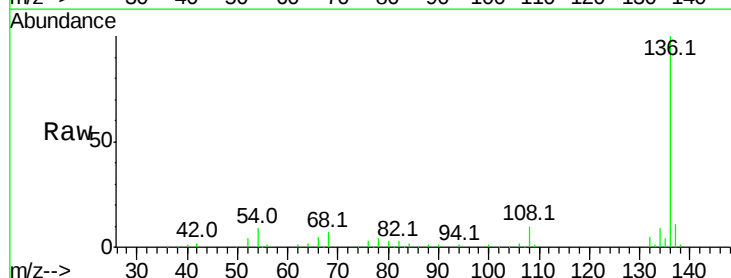
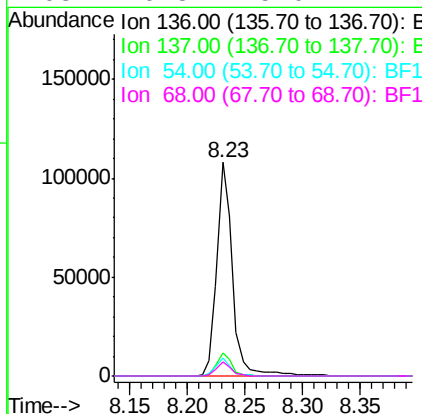
RT: 8.23 min Scan# 1002

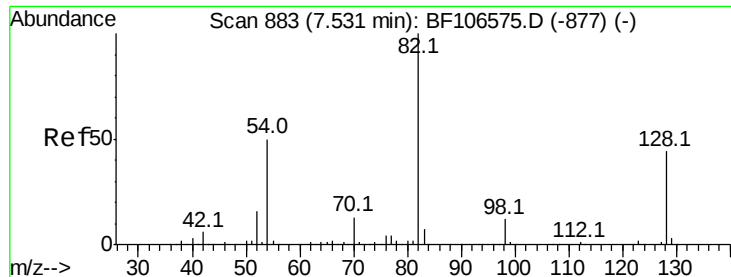
Delta R.T. -0.02 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

Tgt Ion:	136	Resp:	102009
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	8.6	6.6	9.8
68	6.8	5.0	7.4





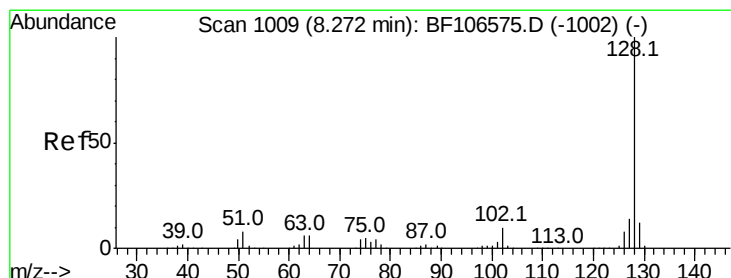
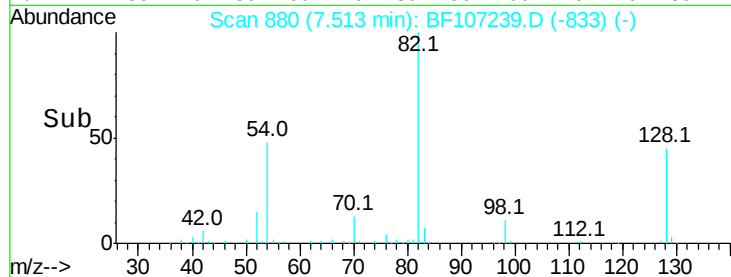
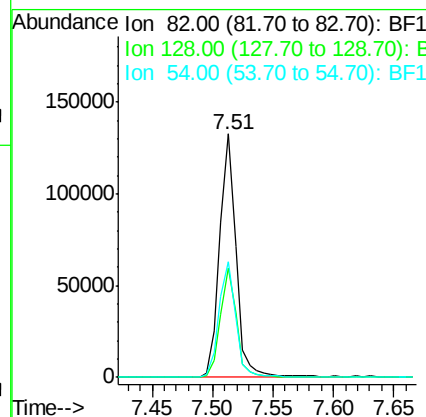
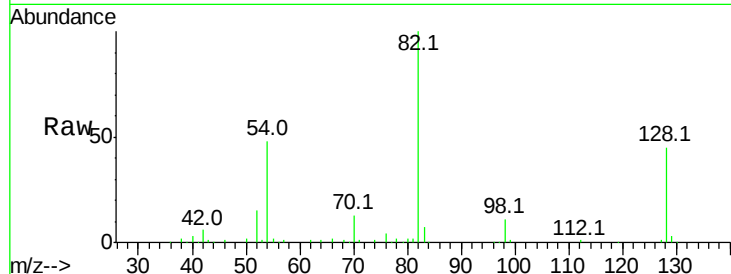
#23
 Nitrobenzene-d5
 Concen: 67.757 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.1	54.1
54	47.7	41.4	62.2

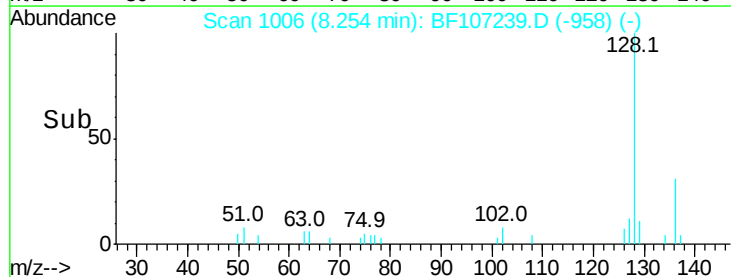
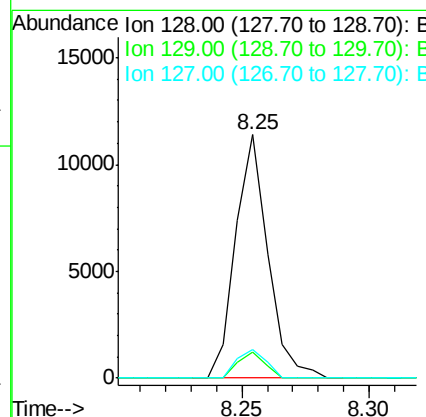
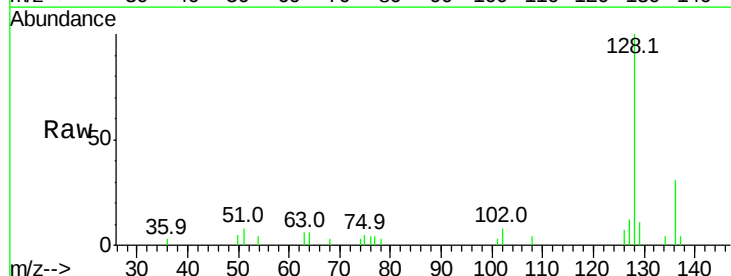
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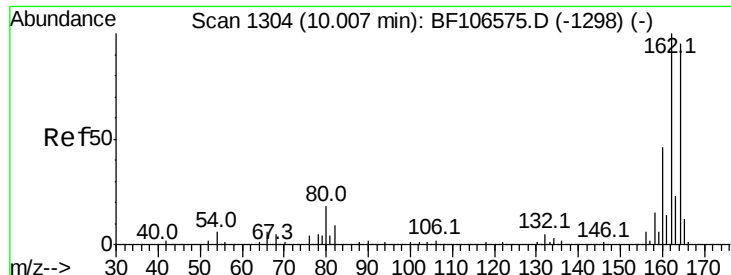
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#31
 Naphthalene
 Concen: 2.122 ng
 RT: 8.25 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	11.8	10.9	16.3





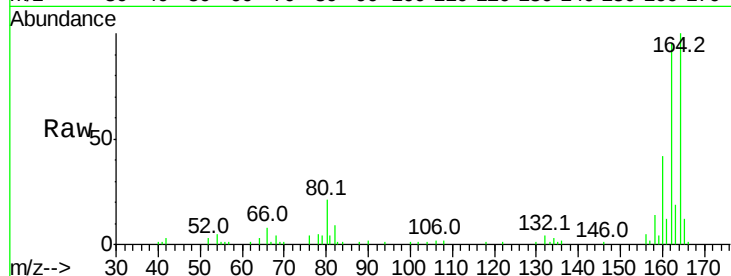
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6

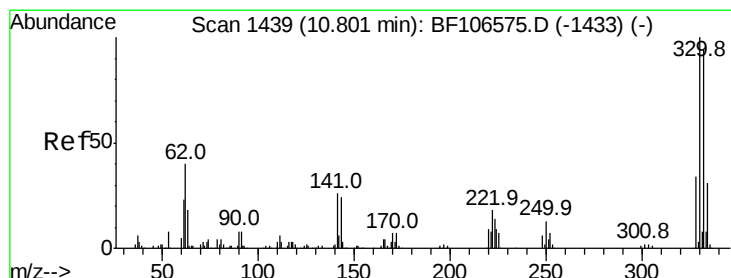
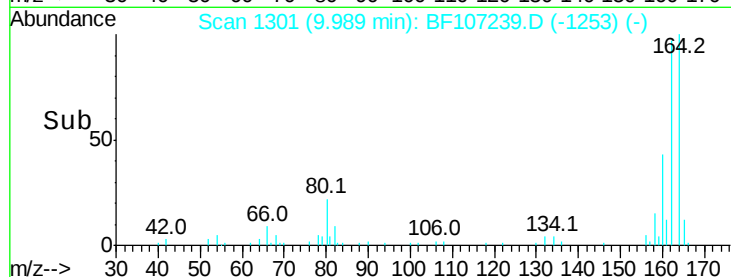
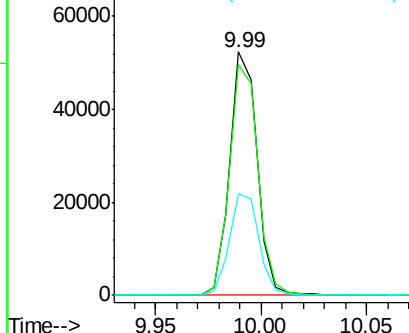
Tot Ion	Ratio	Lower	Upper
164	100		
162	94.9	86.1	129.1
160	41.8	38.3	57.5

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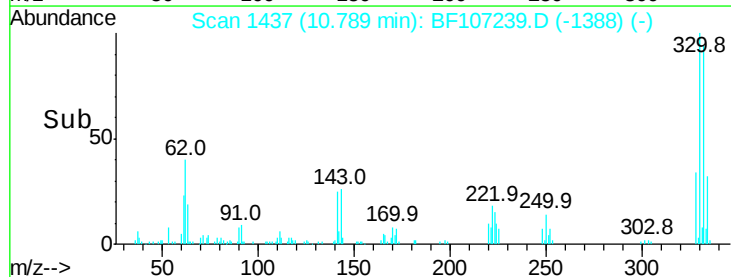
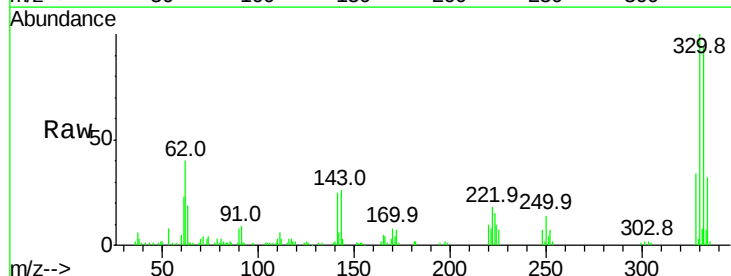
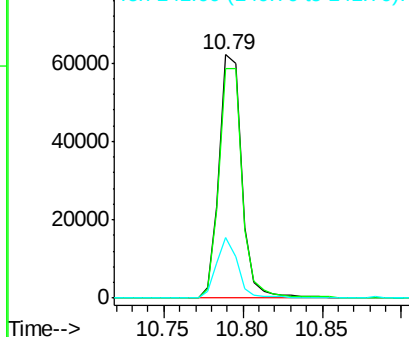
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 114.409 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	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





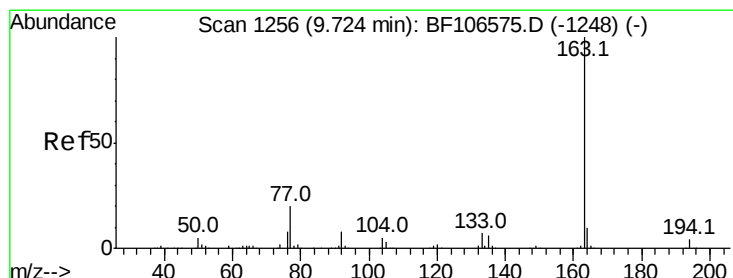
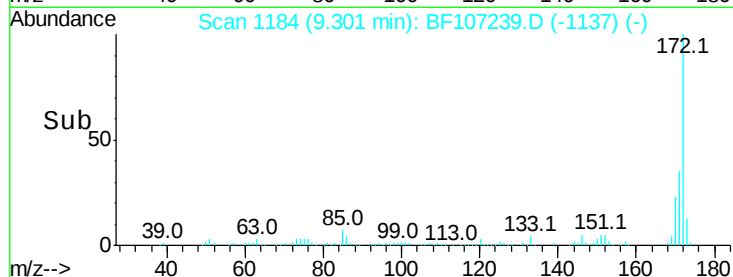
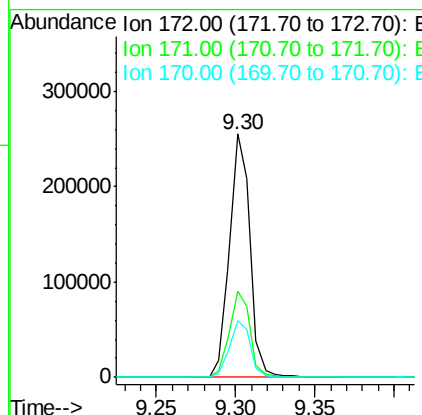
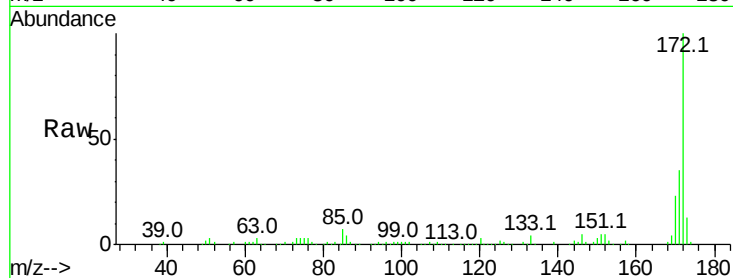
#44
2-Fluorobiphenyl
Concen: 83.122 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.7	44.5	
170	23.1	19.6	29.4	

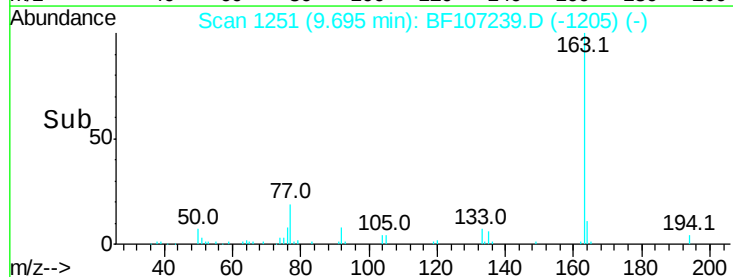
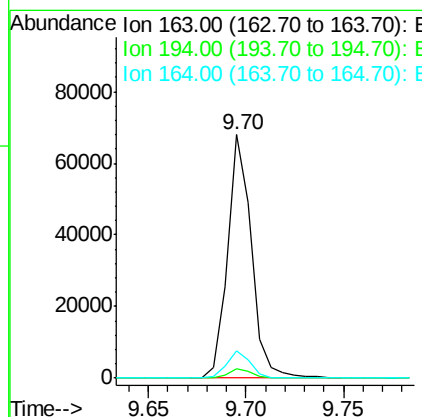
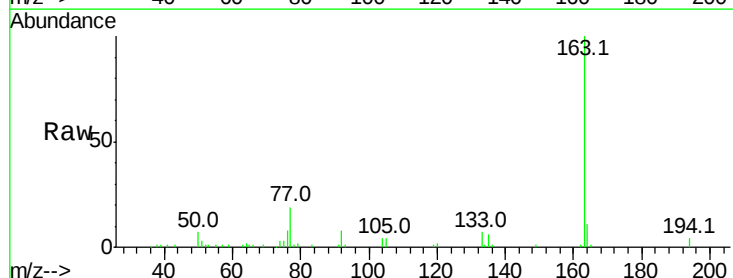
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#49
Dimethylphthalate
Concen: 16.412 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.7	4.1	
164	11.1	8.2	12.2	





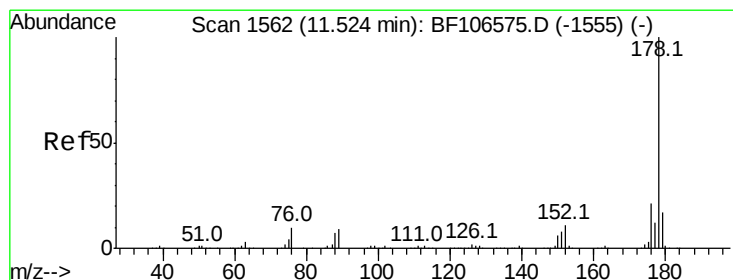
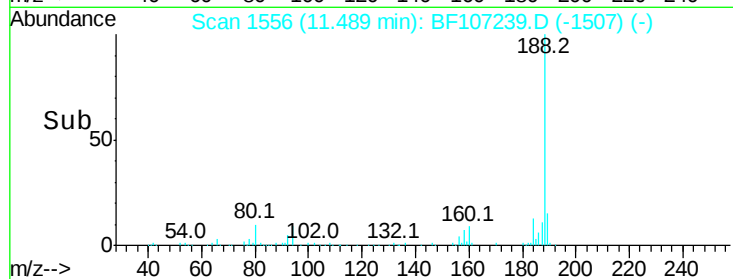
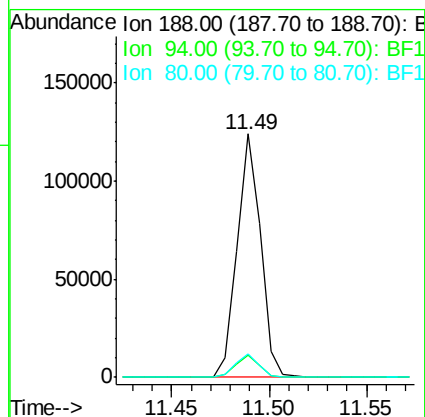
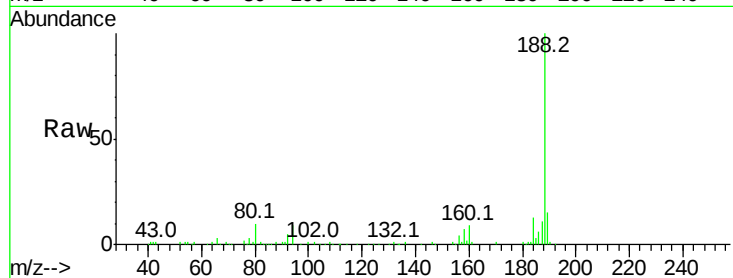
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.6	9.2	13.8

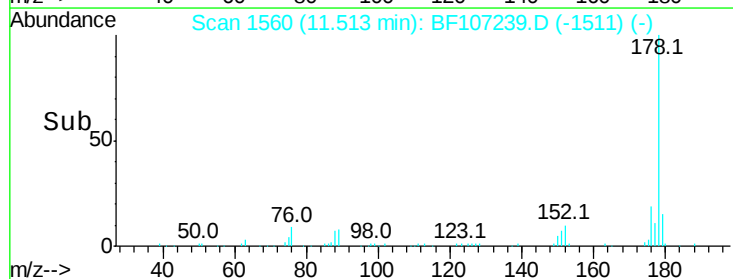
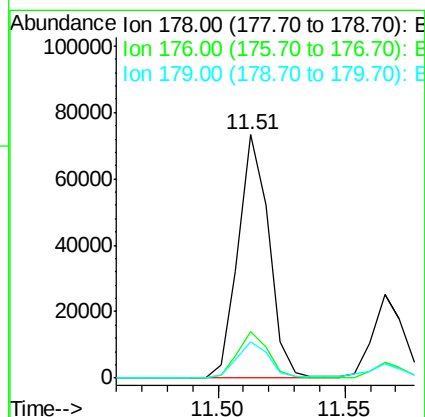
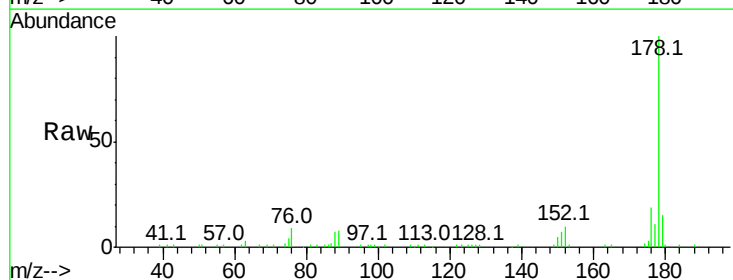
Manual Integrations
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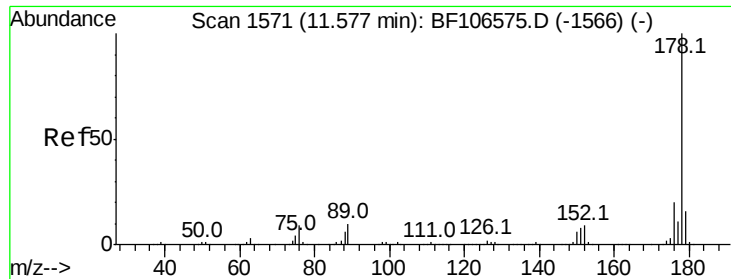
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#70
Phenanthrene
Concen: 12.420 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.1	13.0	19.6





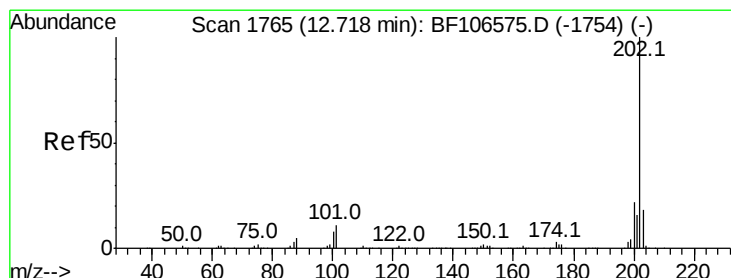
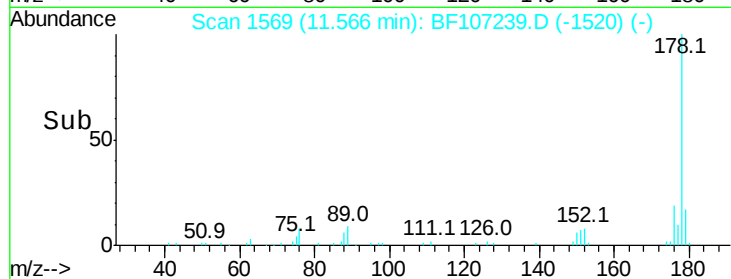
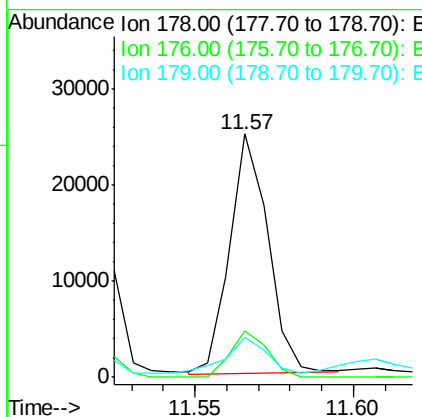
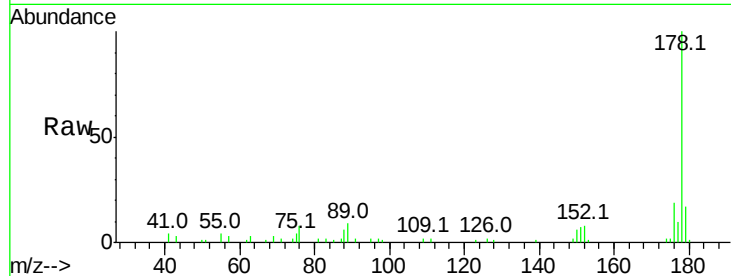
#71
 Anthracene
 Concen: 4.056 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.6	12.6	19.0

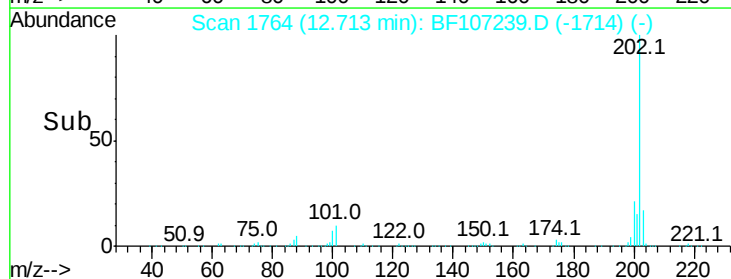
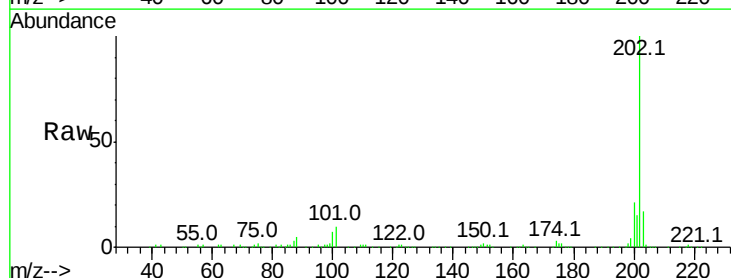
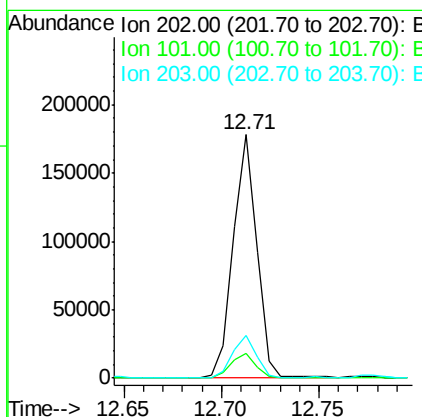
Manual Integrations
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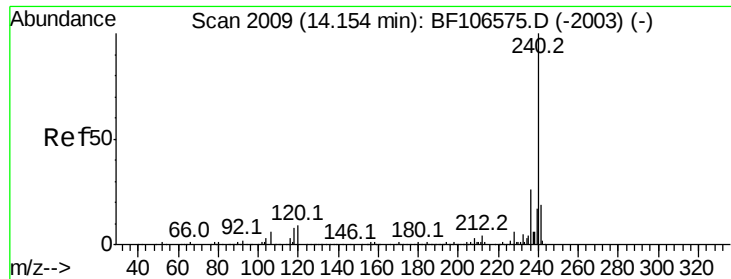
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#74
 Fluoranthene
 Concen: 27.210 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107239.D
 Acq: 9 Jul 2018 19:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	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: BF107239.D

Acq: 9 Jul 2018 19:55

Instrument :

BNA_F

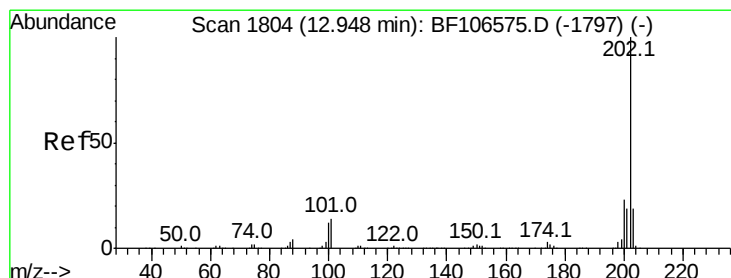
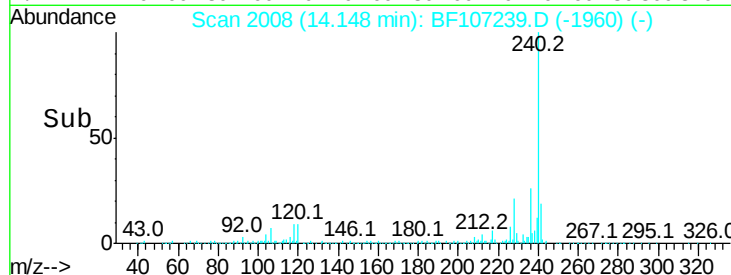
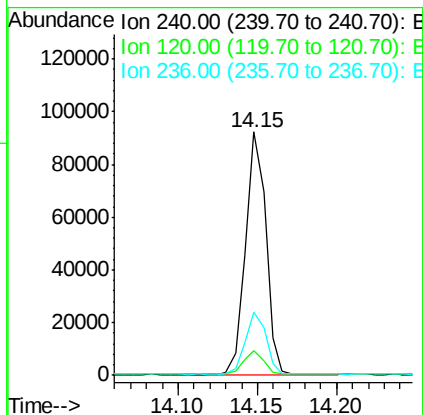
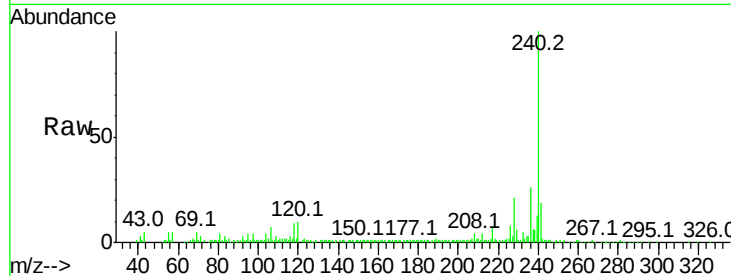
ClientSampleId :

SURCHARGE-SP-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	26.2	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 26.522 ng

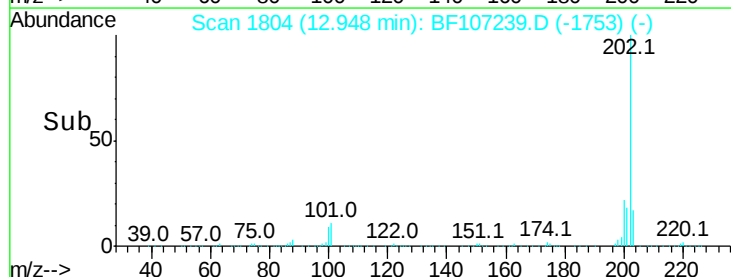
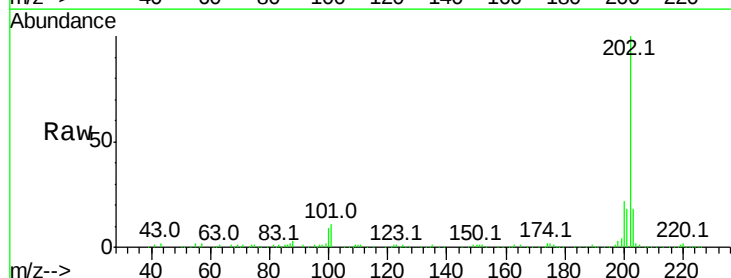
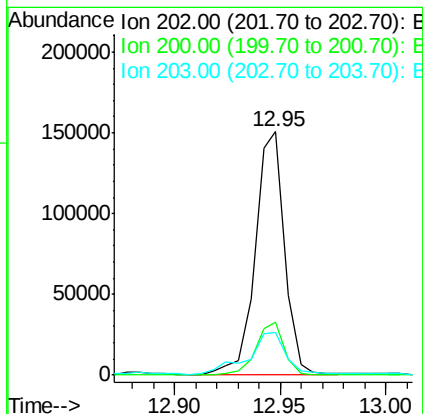
RT: 12.95 min Scan# 1804

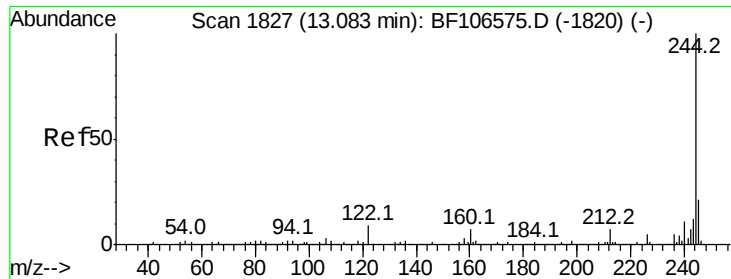
Delta R.T. 0.00 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.7	14.3	21.5





#78

Terphenyl-d14

Concen: 96.289 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-6

Tot Ion:244 Resp: 332918

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

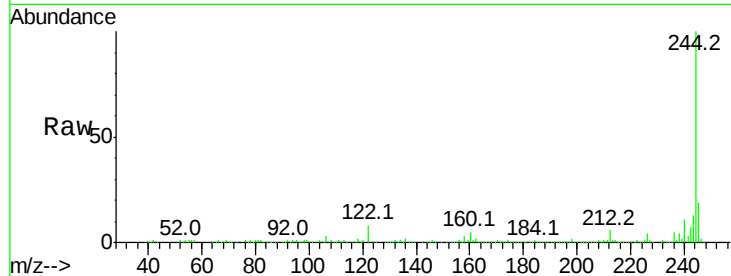
122 7.7 11.0 16.4#

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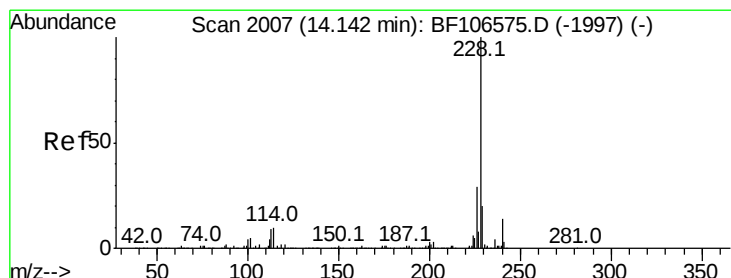
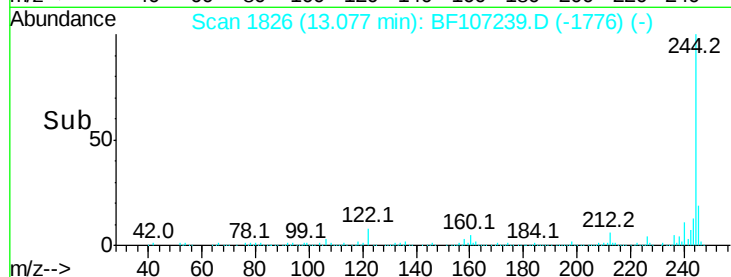
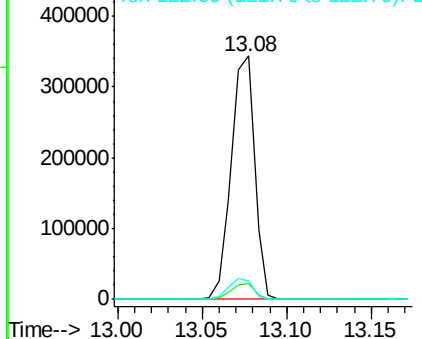
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 14.056 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

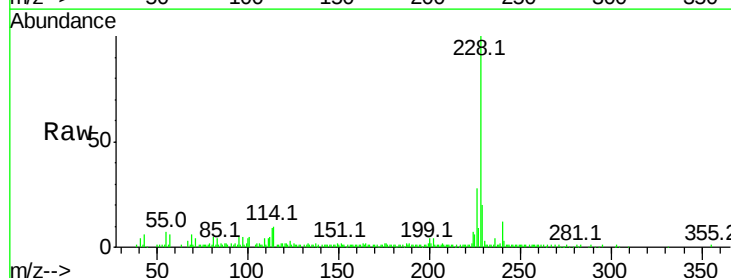
Tgt Ion:228 Resp: 71749

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

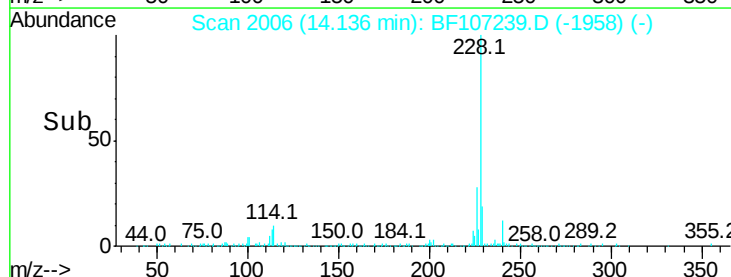
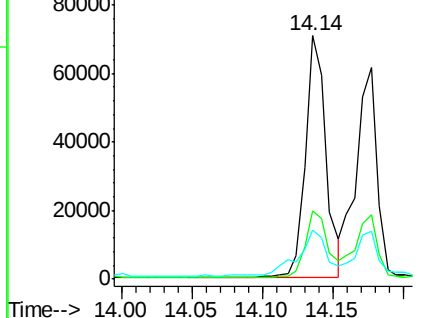
229 20.4 15.8 23.6

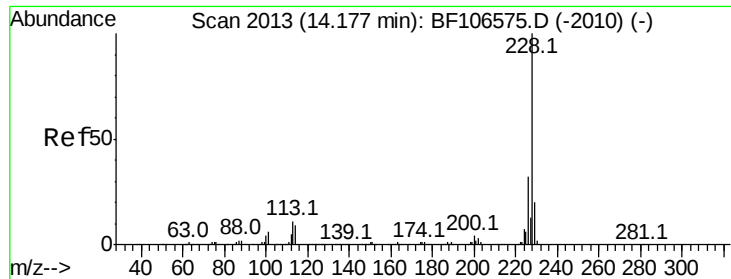


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.566 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

Instrument :

BNA_F

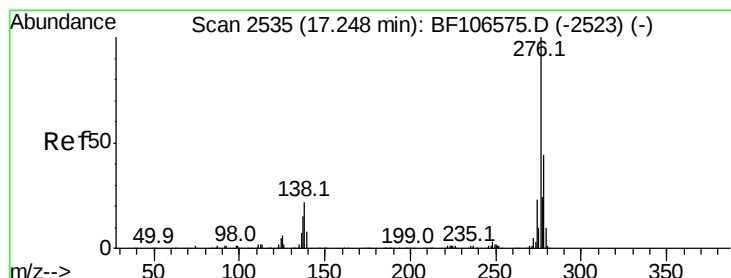
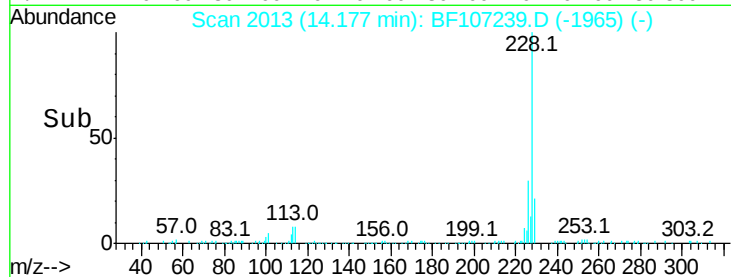
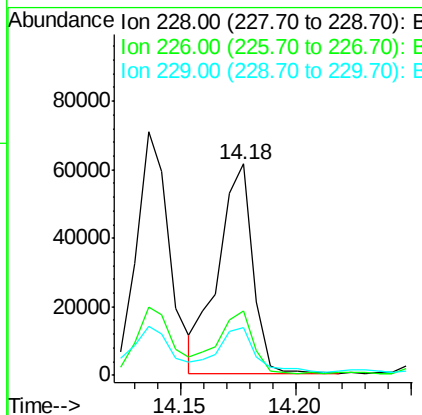
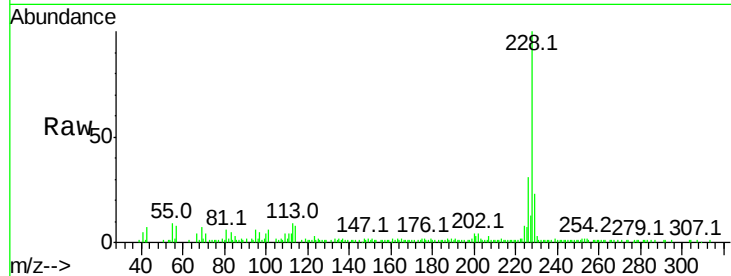
ClientSampleId :

SURCHARGE-SP-6

Tot Ion:	228	Resp:	63706
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	22.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.092 ng

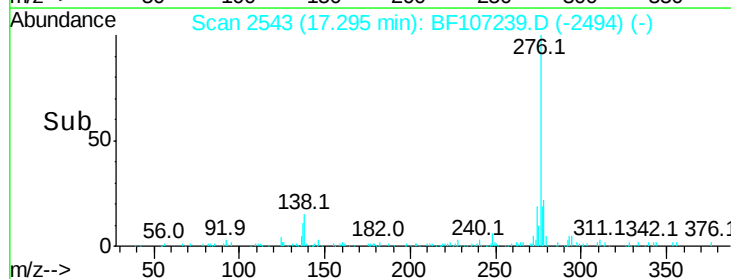
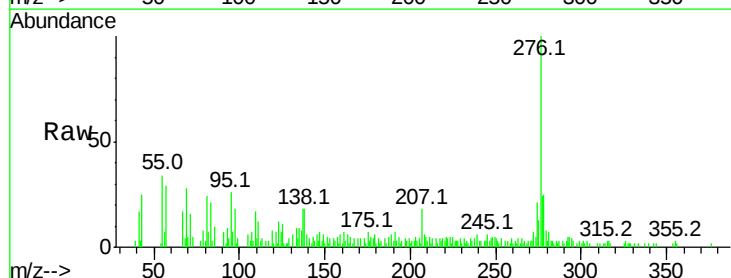
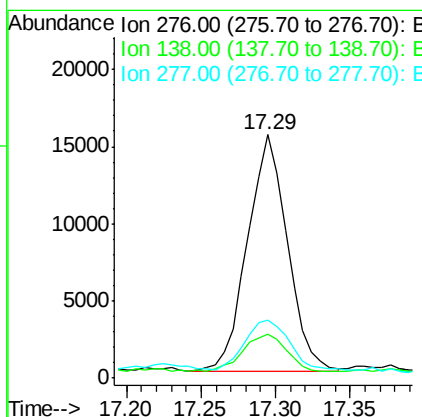
RT: 17.29 min Scan# 2543

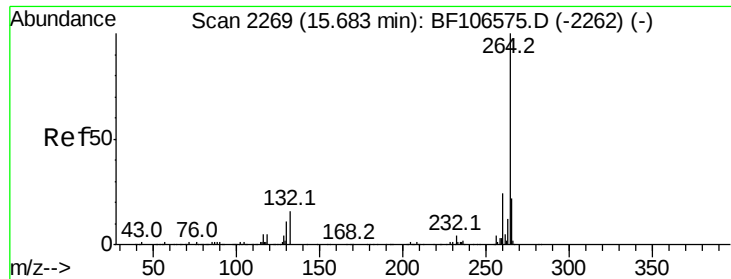
Delta R.T. -0.01 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

Tgt Ion:	276	Resp:	28263
Ion Ratio	Lower	Upper	
276	100		
138	16.8	25.0	37.6#
277	23.9	20.1	30.1





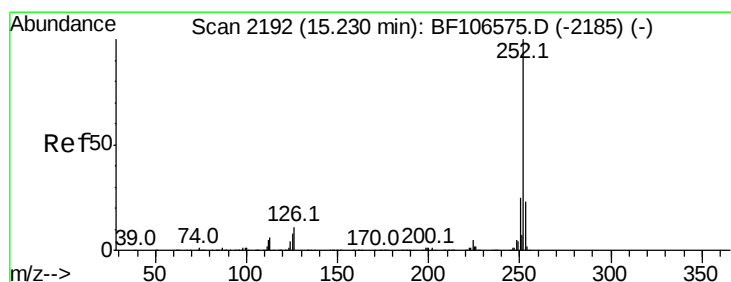
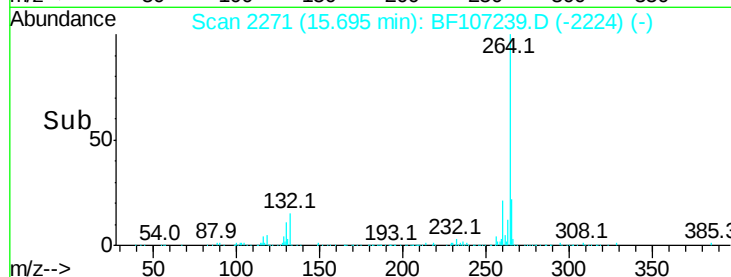
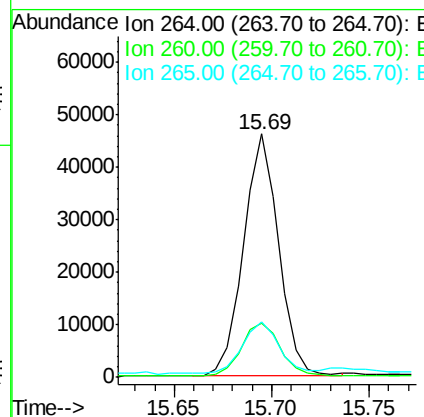
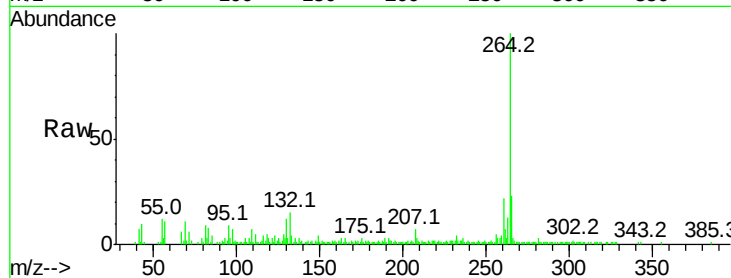
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	22.9	17.5	26.3

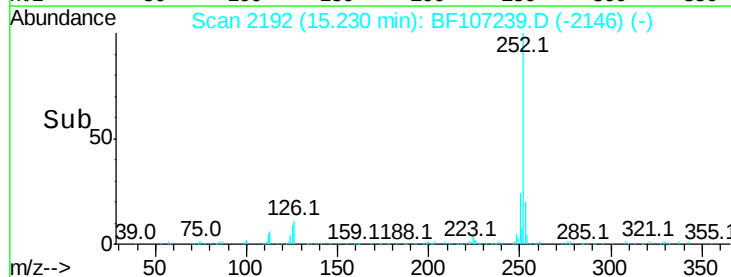
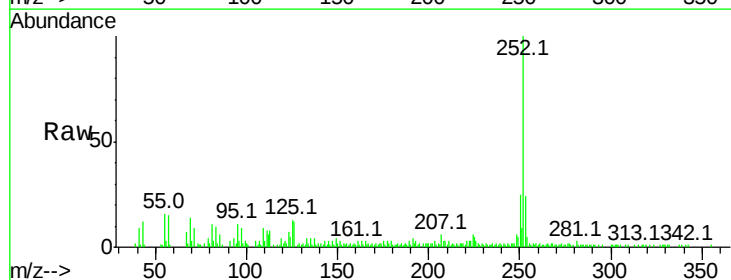
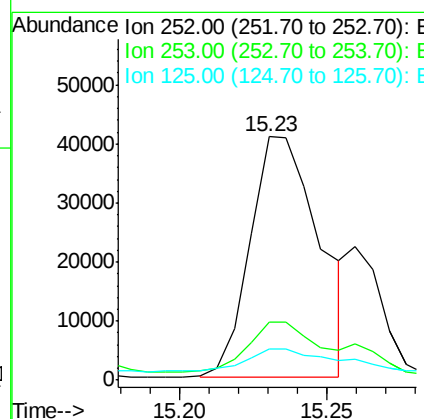
Manual Integrations
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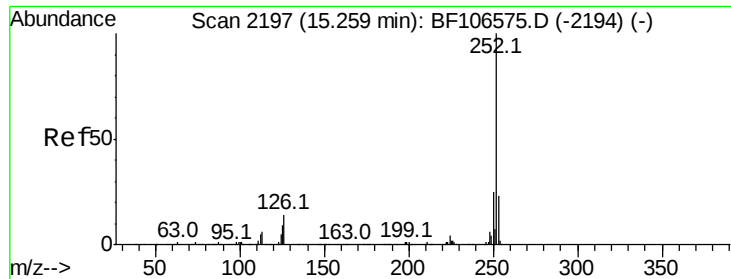
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#87
Benzo(b)fluoranthene
Concen: 18.826 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	12.6	9.0	13.6





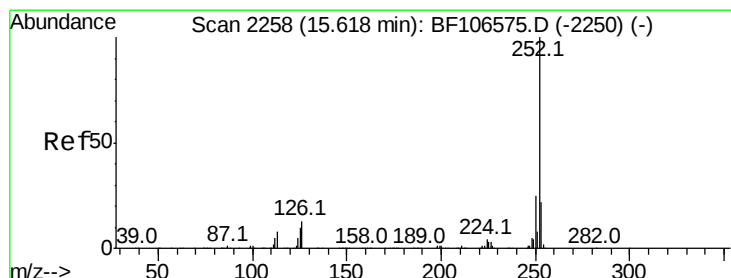
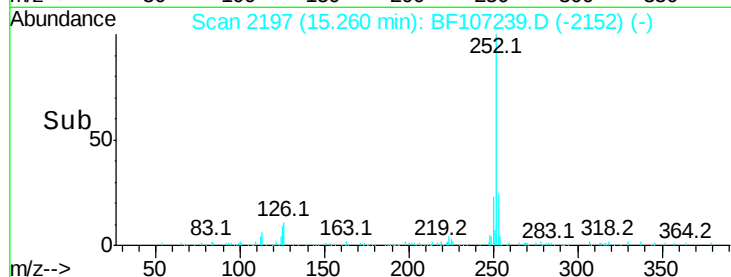
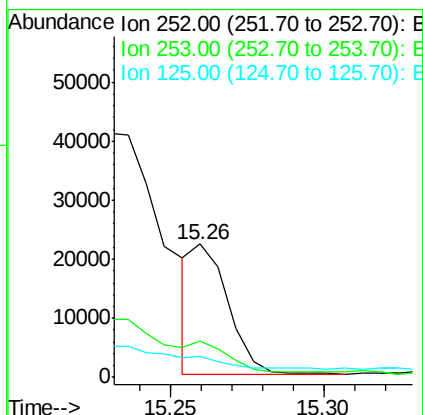
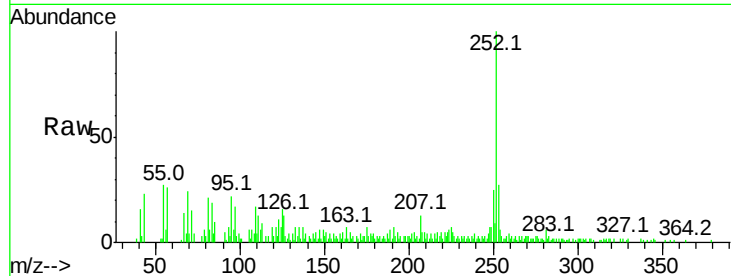
#88
Benzo(k)fluoranthene
Concen: 5.405 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	15.7	10.2	15.2

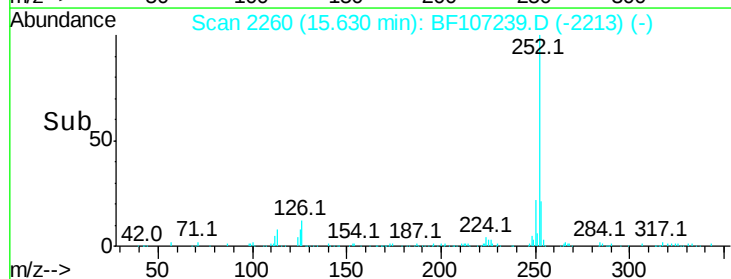
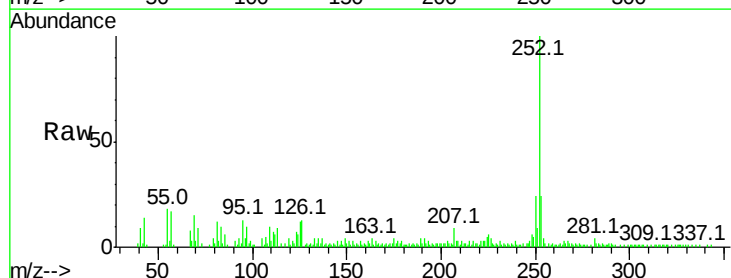
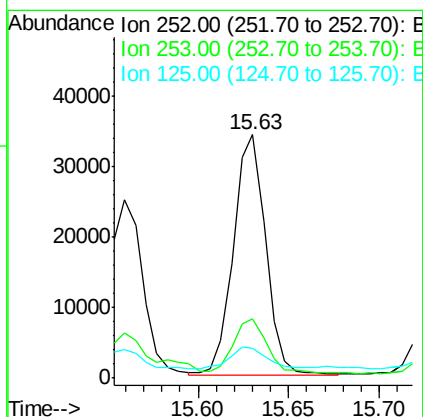
Manual Integrations
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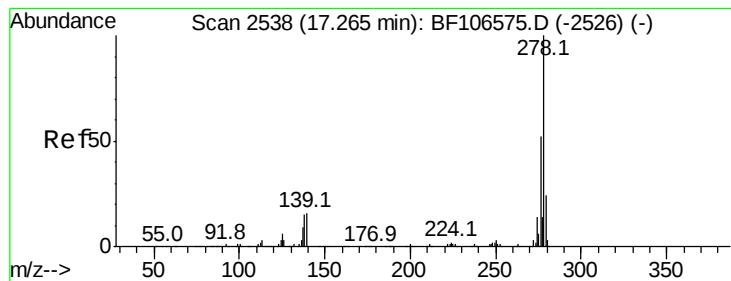
Sohil
7/10/2018 2:46:48 PM



#89
Benzo(a)pyrene
Concen: 13.412 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107239.D
Acq: 9 Jul 2018 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	12.2	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.116 ng

RT: 17.29 min Scan# 2543

Delta R.T. -0.03 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

Instrument :

BNA_F

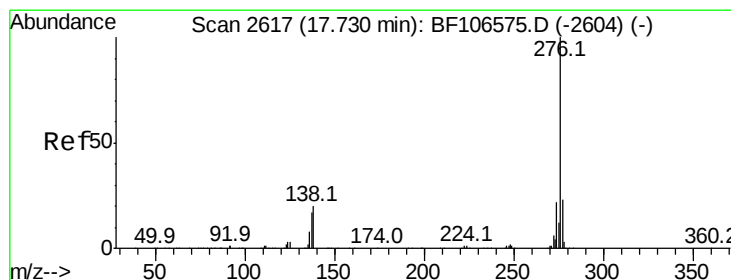
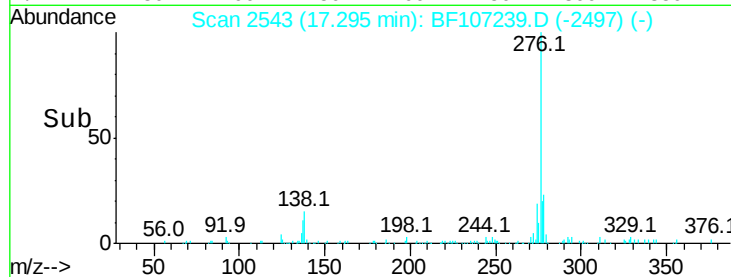
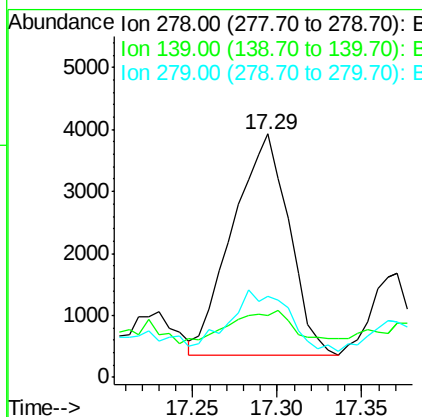
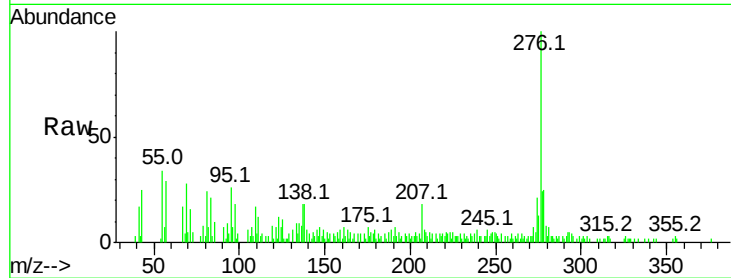
ClientSampleId :

SURCHARGE-SP-6

Tot Ion:	278	Resp:	8311
Ion Ratio	Lower	Upper	
278	100		
139	25.4	15.9	23.9#
279	33.5	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 10.536 ng

RT: 17.78 min Scan# 2626

Delta R.T. -0.01 min

Lab File: BF107239.D

Acq: 9 Jul 2018 19:55

Tgt Ion:	276	Resp:	27464
Ion Ratio	Lower	Upper	
276	100		
277	26.3	17.9	26.9
138	20.4	21.8	32.8#

