

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107229.D
 Acq On : 9 Jul 2018 15:27
 Operator : JU/SJ
 Sample : J3879-01RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-1RE

Manual Integrations
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 7/10/2018 2:46:21 PM

Quant Time: Jul 09 17:28:07 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	32126	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	113096	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	50063	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	96190	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	93053	20.00	ng	-0.02
86) Perylene-d12	15.70	264	60704	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	223879	118.00	ng	-0.01
7) Phenol-d6	6.60	99	271846	114.74	ng	-0.02
23) Nitrobenzene-d5	7.51	82	163224	80.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	71693	123.56	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	294403	102.59	ng	-0.02
78) Terphenyl-d14	13.07	244	346792	90.27	ng	-0.01
Target Compounds						
10) Phenol	6.61	94	5945	2.199	ng	Qvalue # 75
49) Dimethylphthalate	9.70	163	80513	21.443	ng	100
70) Phenanthrene	11.51	178	66033	14.233	ng	98
71) Anthracene	11.57	178	24158	5.101	ng	98
74) Fluoranthene	12.71	202	147073	28.761	ng	95
77) Pyrene	12.94	202	144116	23.486	ng	99
80) Benzo(a)anthracene	14.14	228	85598	15.093	ng	96
82) Chrysene	14.18	228	80056	15.344	ng	97
85) Indeno(1,2,3-cd)pyrene	17.30	276	30926	6.985	ng	# 85
87) Benzo(b)fluoranthene	15.24	252	86720m	22.997	ng	
88) Benzo(k)fluoranthene	15.27	252	26739m	7.446	ng	
89) Benzo(a)pyrene	15.64	252	51134	15.254	ng	95
90) Dibenzo(a,h)anthracene	17.30	278	9141	3.218	ng	# 69
91) Benzo(a,h,i)perylene	17.79	276	31147	11.217	ng	# 89

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

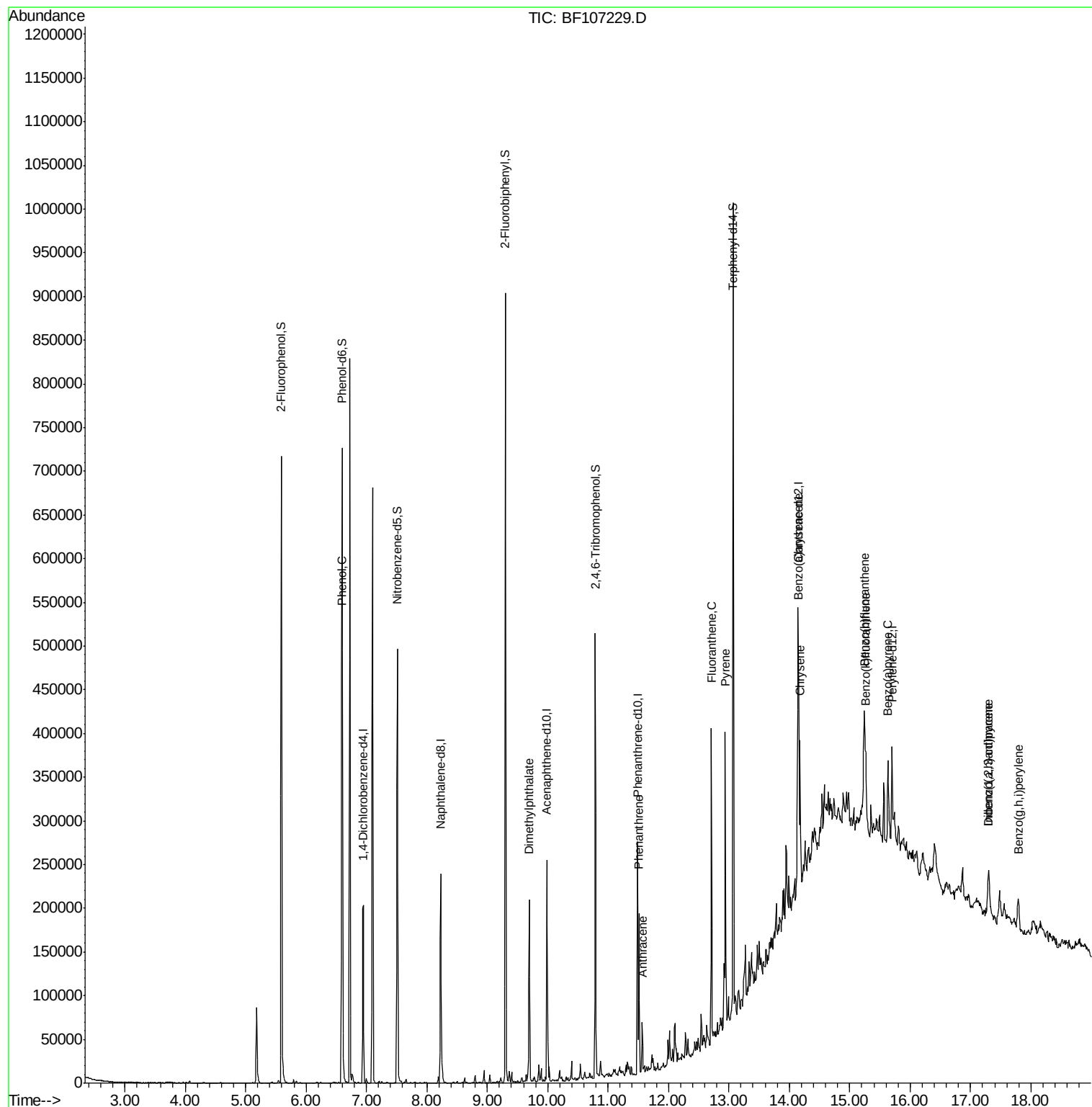
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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ALS Vial : 10 Sample Multiplier: 1

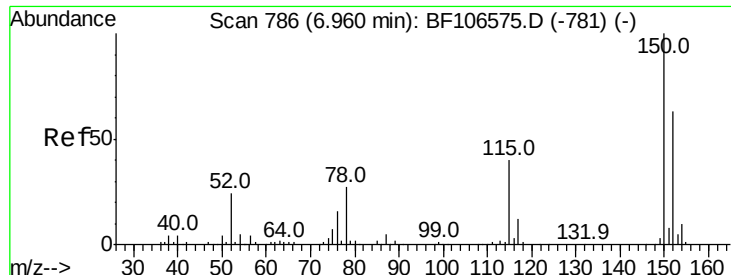
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#1

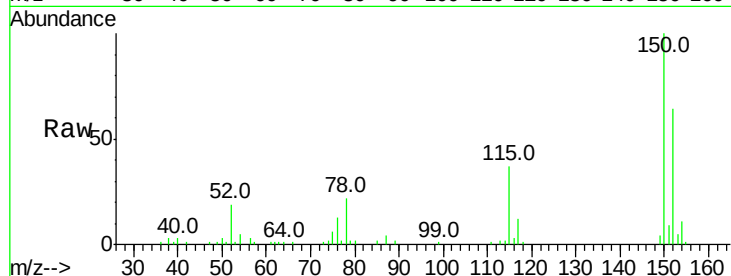
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107229.D
Acq: 9 Jul 2018 15:27

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1RE

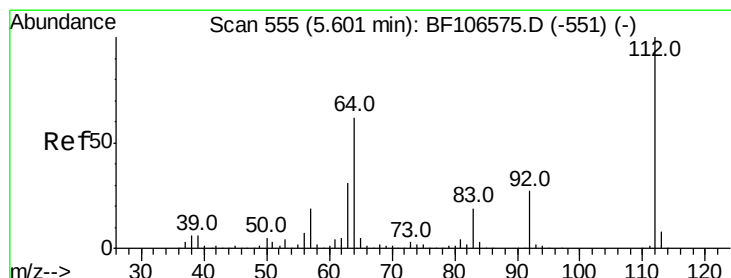
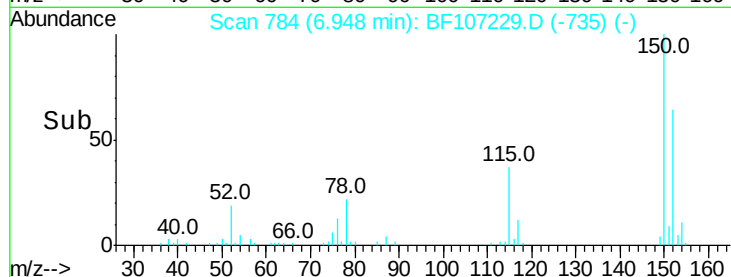
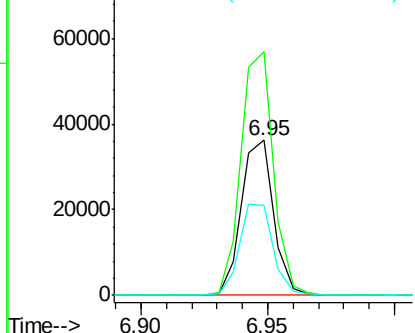
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	58.4	50.1	75.1

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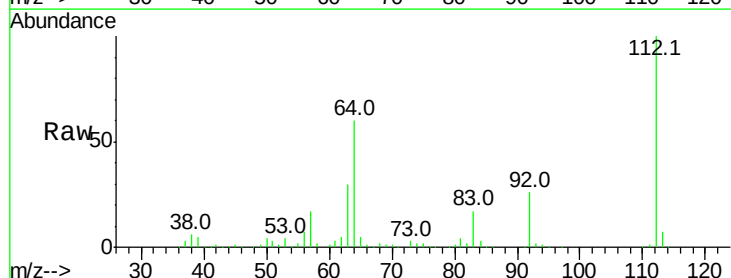
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



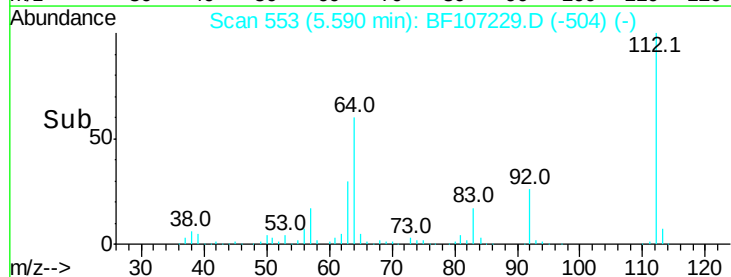
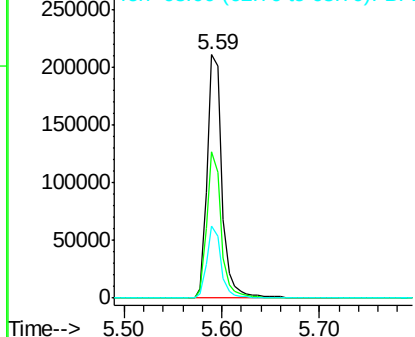
#5

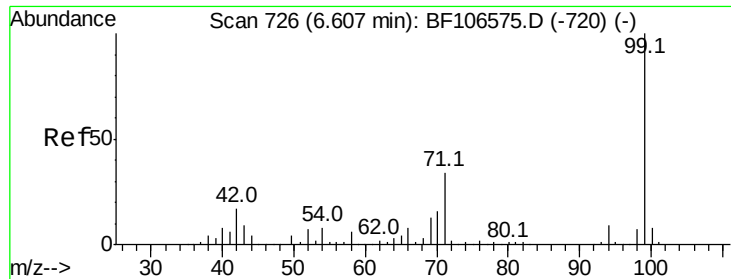
2-Fluorophenol
Concen: 118.004 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107229.D
Acq: 9 Jul 2018 15:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.9	71.9
63	29.6	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: 114.739 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107229.D

Acq: 9 Jul 2018 15:27

Instrument :

BNA_F

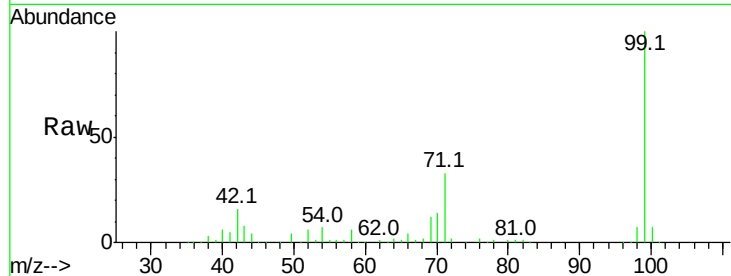
ClientSampleId :

SURCHARGE-SP-1RE

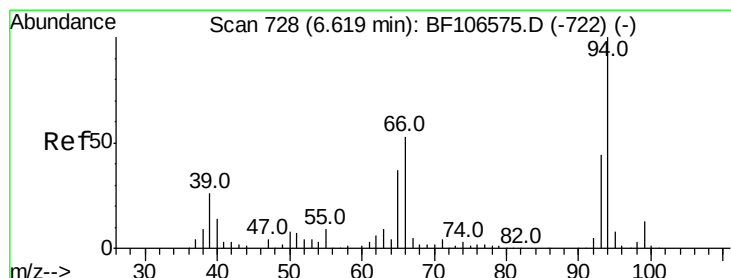
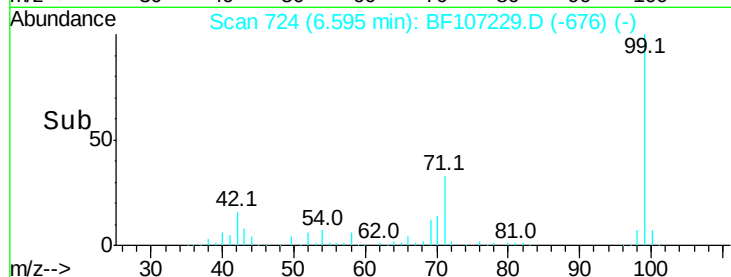
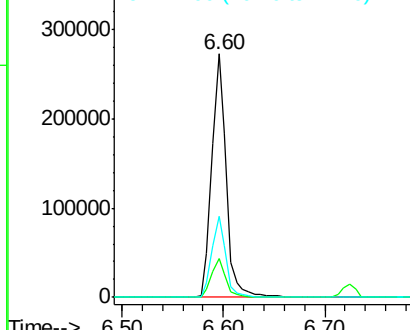
Tot Ion:	99	Resp:	271846
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.5	21.7
71	33.1	25.4	38.0

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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



#10

Phenol

Concen: 2.199 ng

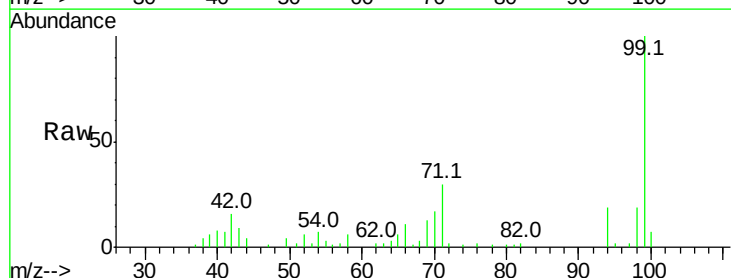
RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

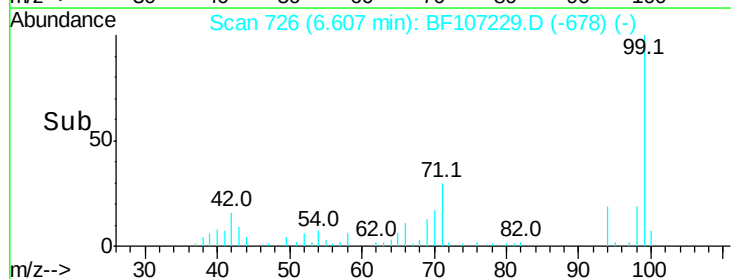
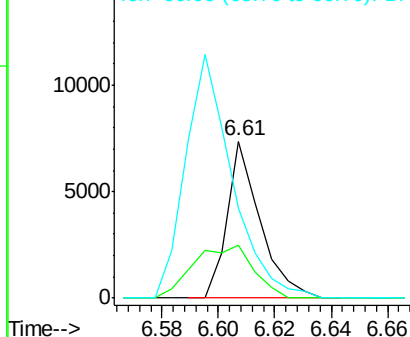
Lab File: BF107229.D

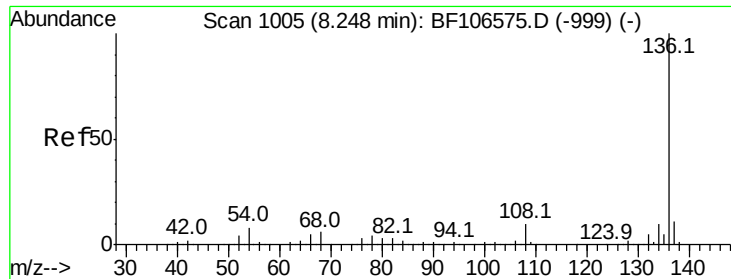
Acq: 9 Jul 2018 15:27

Tgt Ion:	94	Resp:	5945
Ion	Ratio	Lower	Upper
94	100		
65	33.7	7.9	47.9
66	57.5	16.2	56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





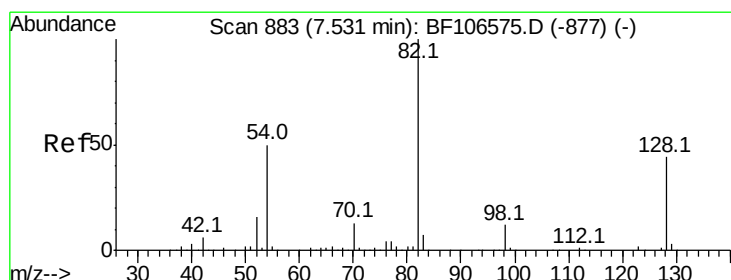
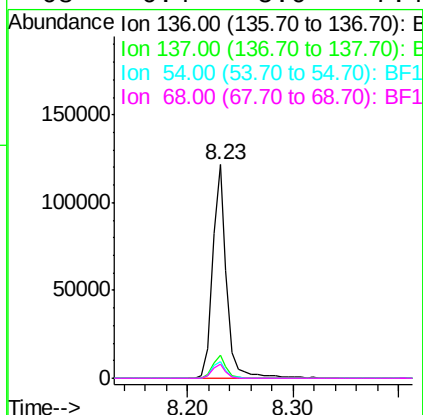
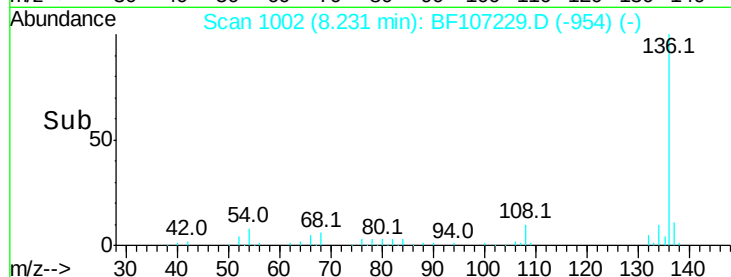
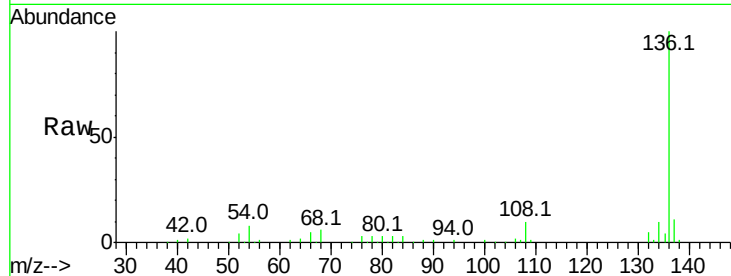
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107229.D
Acq: 9 Jul 2018 15:27

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1RE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	8.0	6.6	9.8	
68	6.4	5.0	7.4	

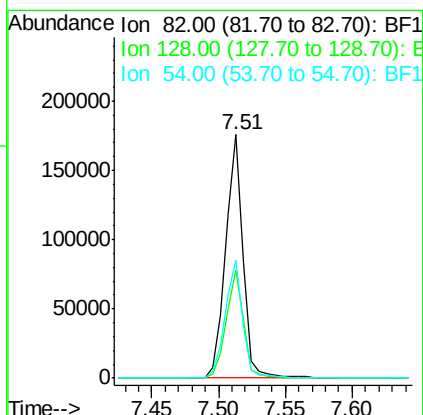
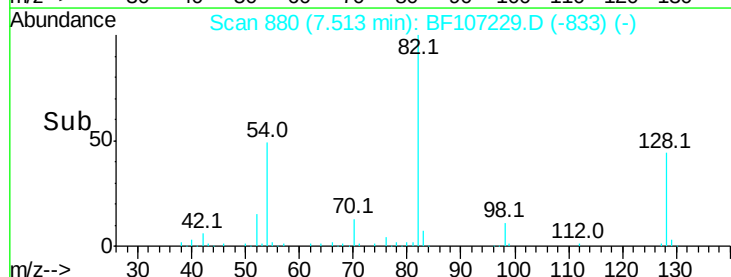
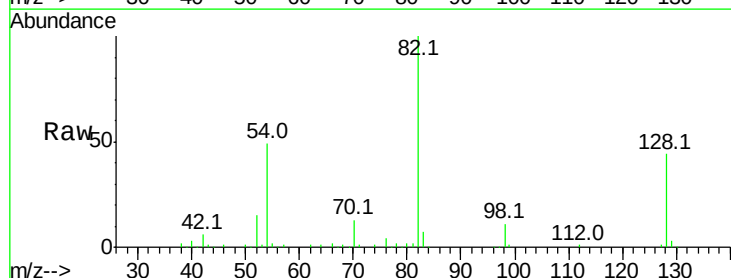
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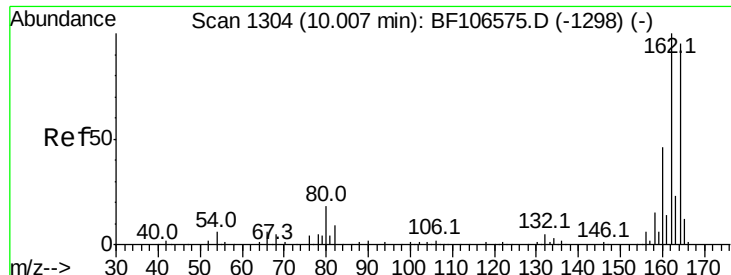
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#23
Nitrobenzene-d5
Concen: 80.206 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107229.D
Acq: 9 Jul 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.5	36.1	54.1	
54	48.5	41.4	62.2	





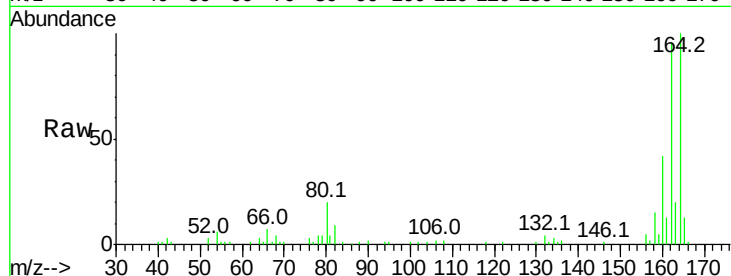
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107229.D
 Acq: 9 Jul 2018 15:27

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-1RE

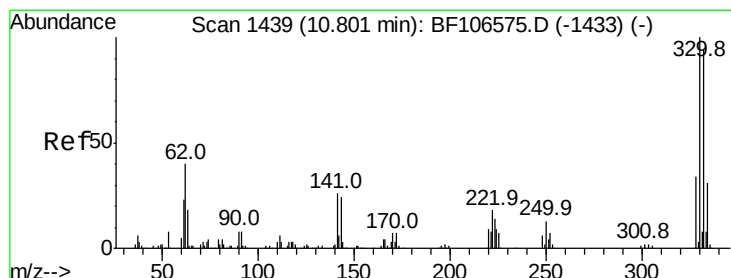
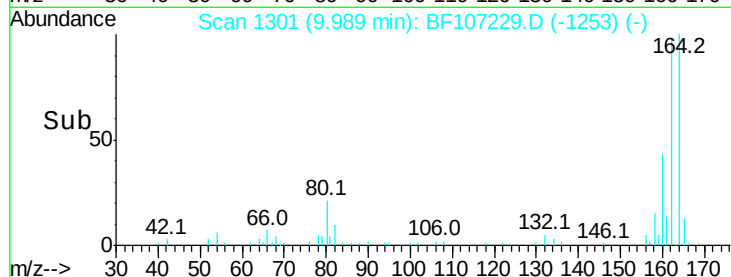
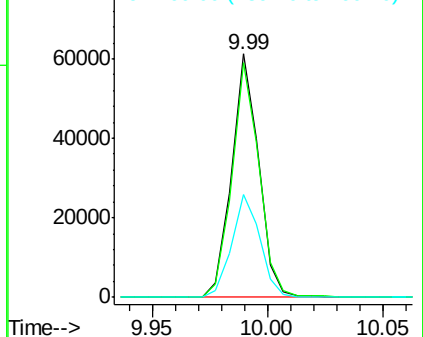
Tot Ion	Ratio	Lower	Upper
164	100		
162	96.3	86.1	129.1
160	42.3	38.3	57.5

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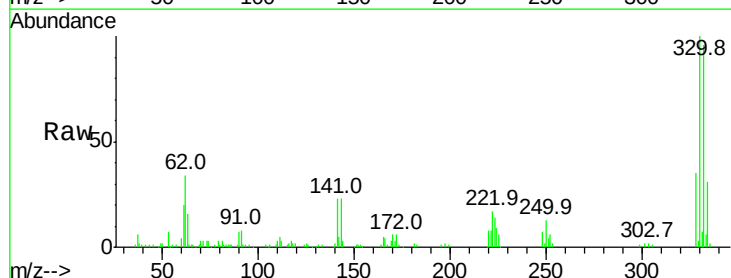


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

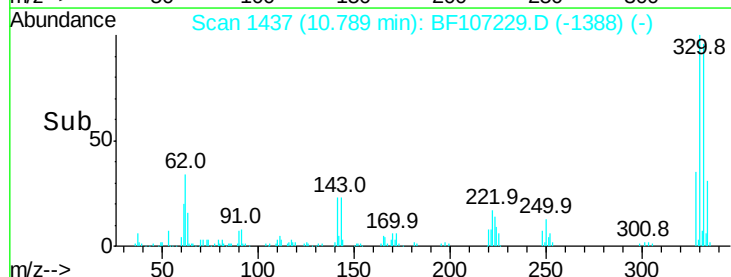
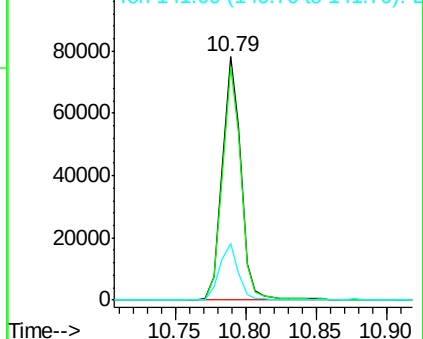


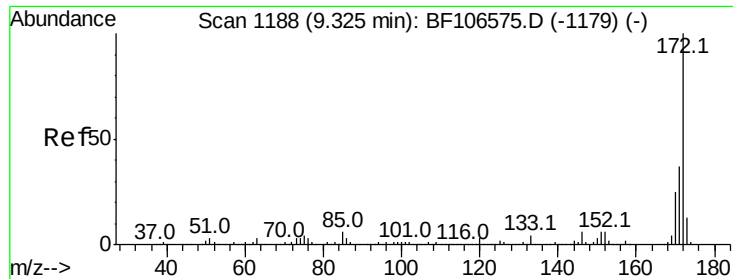
#41
 2,4,6-Tribromophenol
 Concen: 123.557 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107229.D
 Acq: 9 Jul 2018 15:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	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





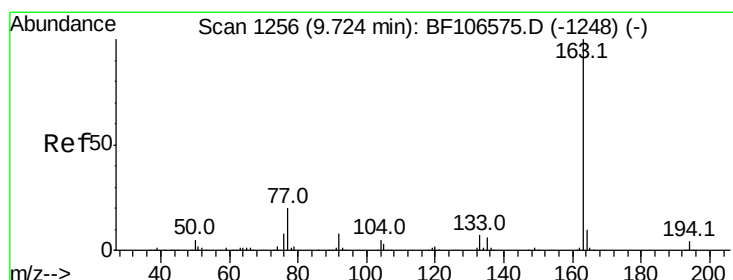
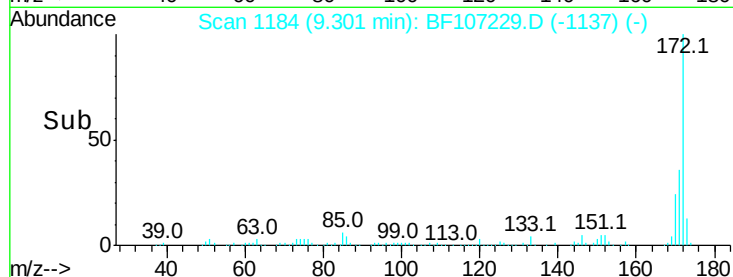
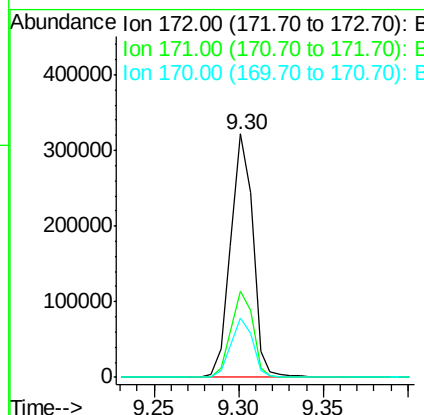
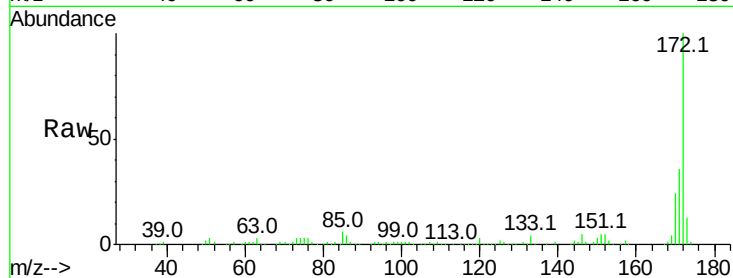
#44
 2-Fluorobiphenyl
 Concen: 102.590 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107229.D
 Acq: 9 Jul 2018 15:27

Instrument :
 BNA_F
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 SURCHARGE-SP-1RE

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.2	19.6	29.4

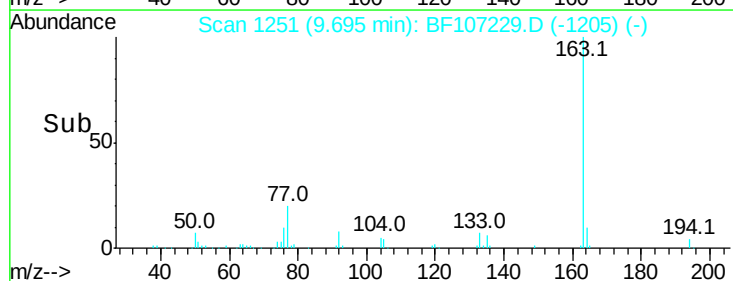
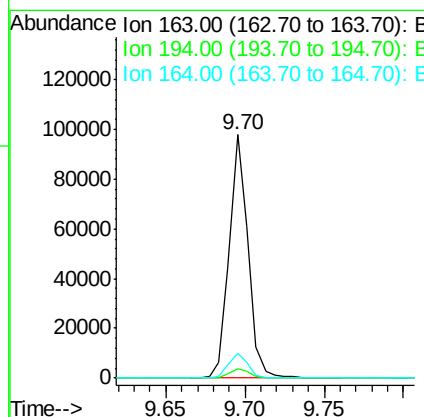
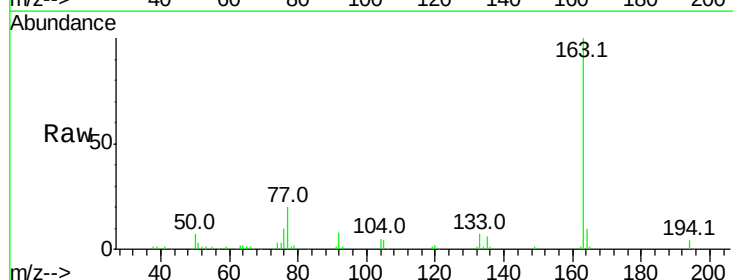
Manual Integrations
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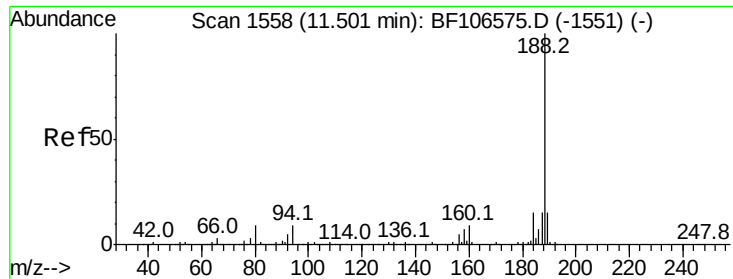
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#49
 Dimethylphthalate
 Concen: 21.443 ng
 RT: 9.70 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF107229.D
 Acq: 9 Jul 2018 15:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.3	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: BF107229.D

Acq: 9 Jul 2018 15:27

Instrument :

BNA_F

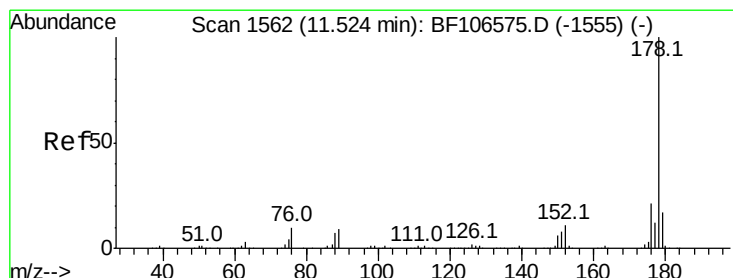
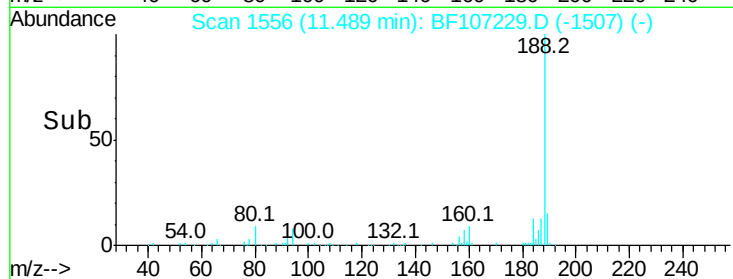
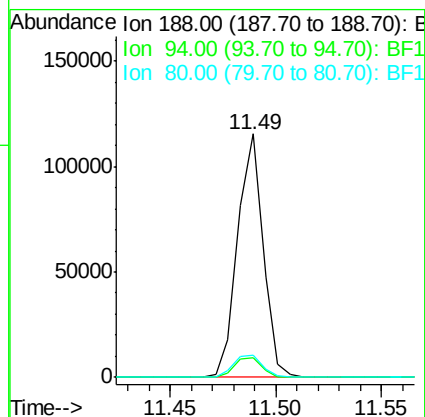
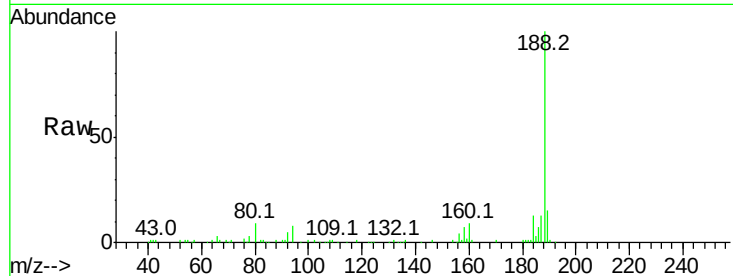
ClientSampleId :

SURCHARGE-SP-1RE

Tot Ion:	188	Resp:	96190
Ion Ratio	Lower	Upper	
188	100		
94	8.1	8.5	12.7#
80	9.3	9.2	13.8

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#70

Phenanthrene

Concen: 14.233 ng

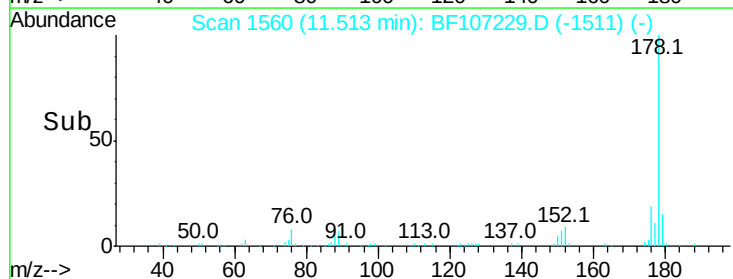
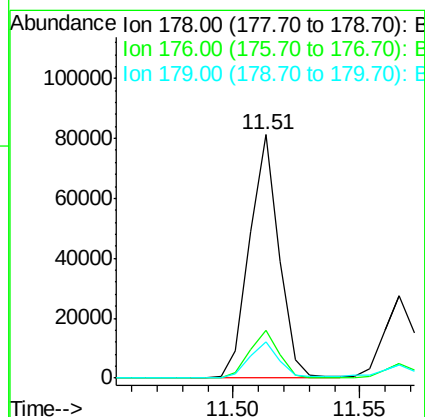
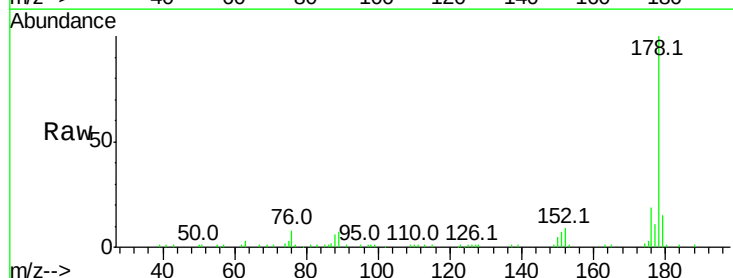
RT: 11.51 min Scan# 1560

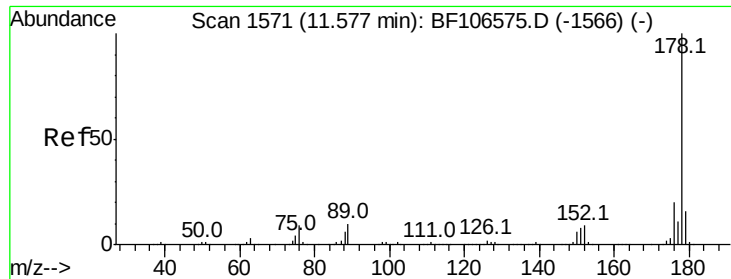
Delta R.T. -0.01 min

Lab File: BF107229.D

Acq: 9 Jul 2018 15:27

Tgt Ion:	178	Resp:	66033
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	15.0	13.0	19.6





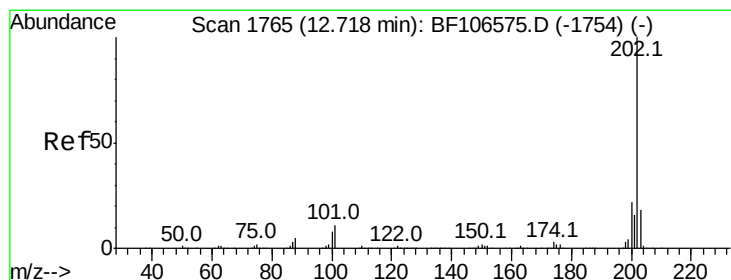
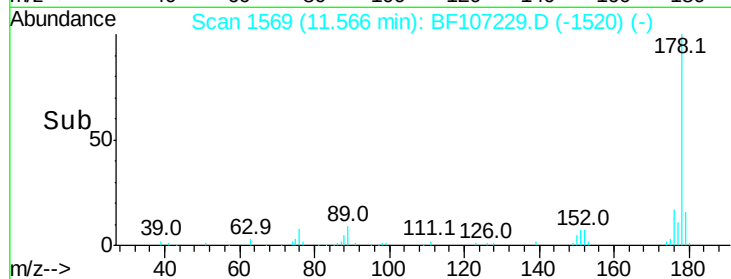
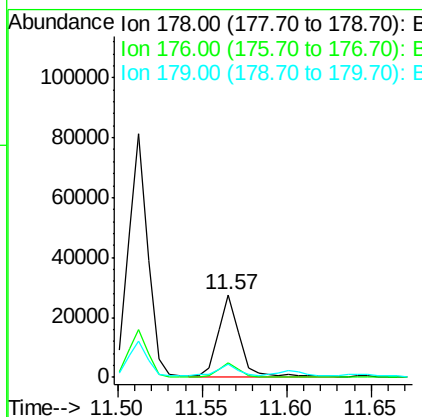
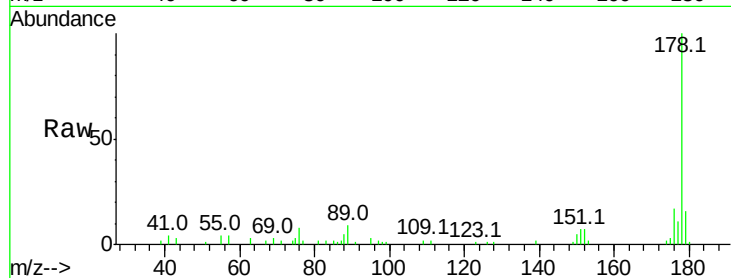
#71
 Anthracene
 Concen: 5.101 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107229.D
 Acq: 9 Jul 2018 15:27

Instrument :
 BNA_F
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 SURCHARGE-SP-1RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	15.9	12.6	19.0

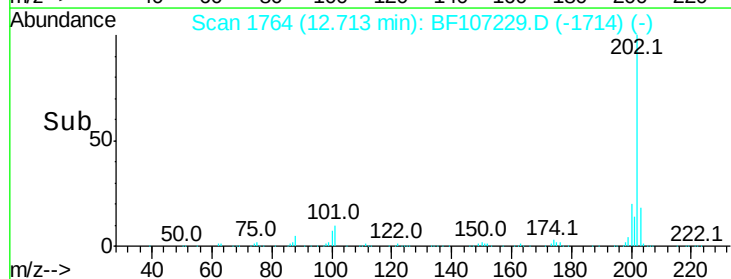
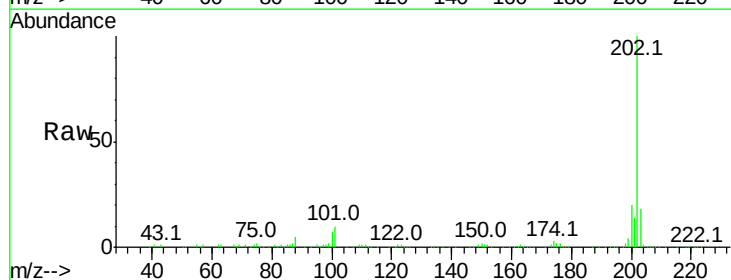
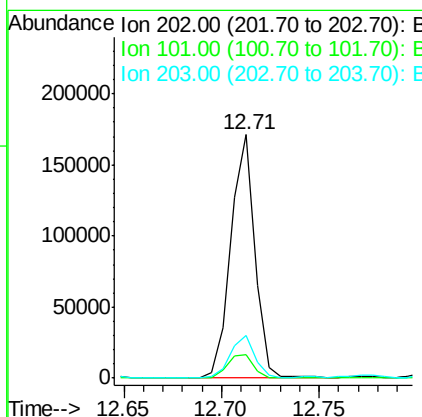
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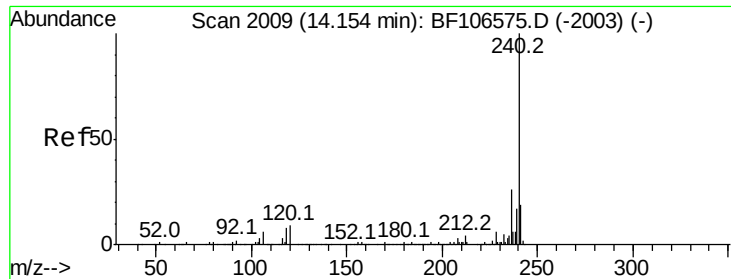
Sohil
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#74
 Fluoranthene
 Concen: 28.761 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107229.D
 Acq: 9 Jul 2018 15:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	34.1
203	17.5	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: BF107229.D

Acq: 9 Jul 2018 15:27

Instrument :

BNA_F

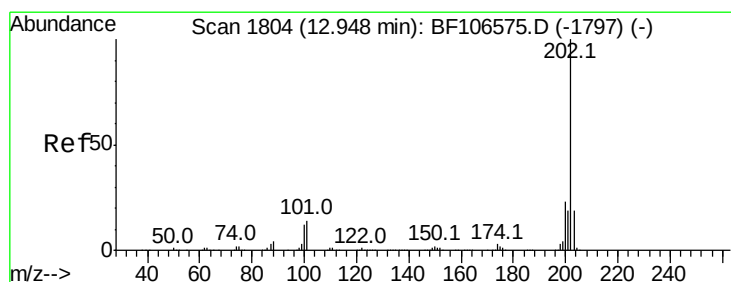
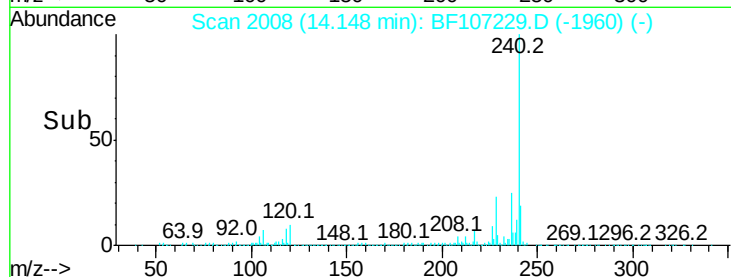
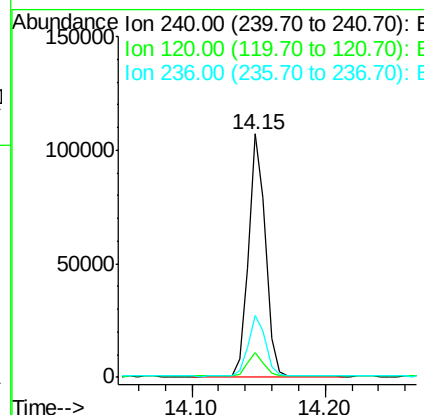
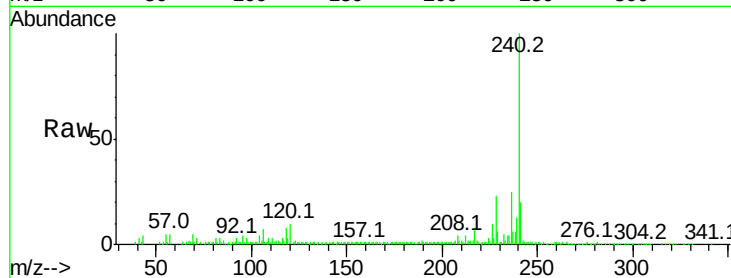
ClientSampleId :

SURCHARGE-SP-1RE

Tot Ion:	240	Resp:	93053
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.5	14.3
236	25.4	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 23.486 ng

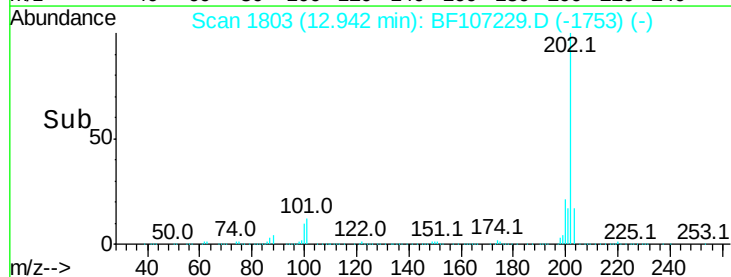
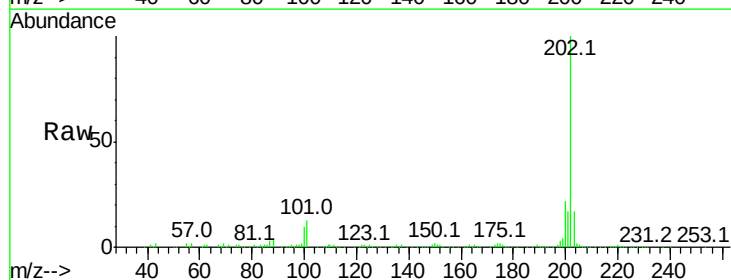
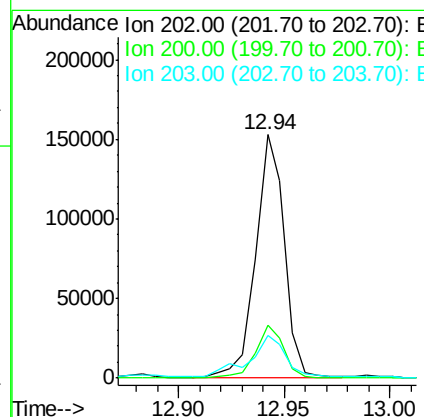
RT: 12.94 min Scan# 1803

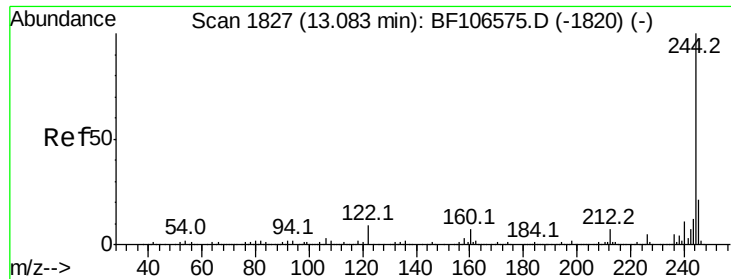
Delta R.T. -0.01 min

Lab File: BF107229.D

Acq: 9 Jul 2018 15:27

Tgt Ion:	202	Resp:	144116
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.4	14.3	21.5





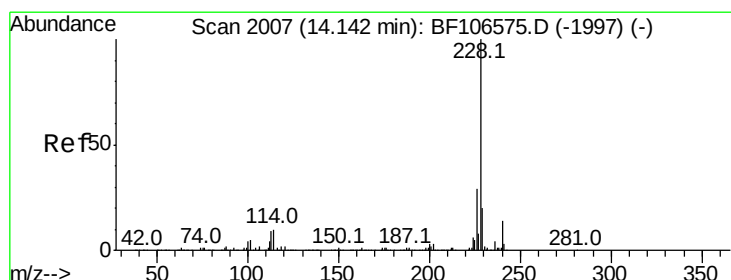
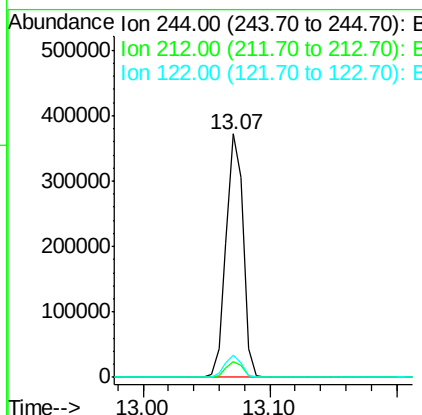
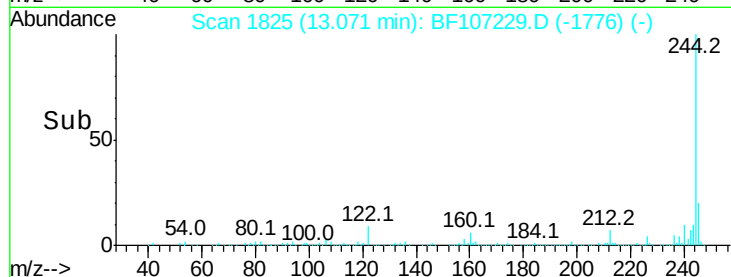
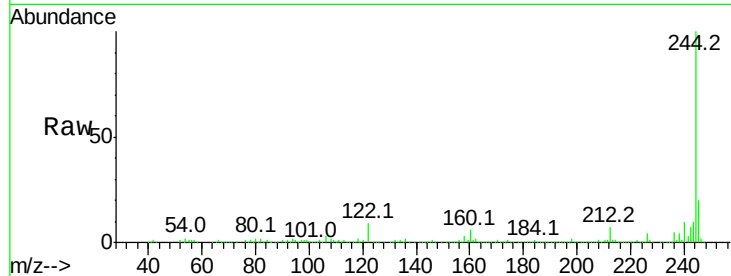
#78
 Terphenyl-d14
 Concen: 90.275 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107229.D
 Acq: 9 Jul 2018 15:27

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-1RE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.2	11.0	16.4

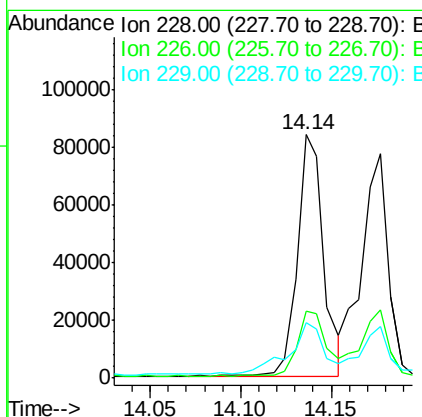
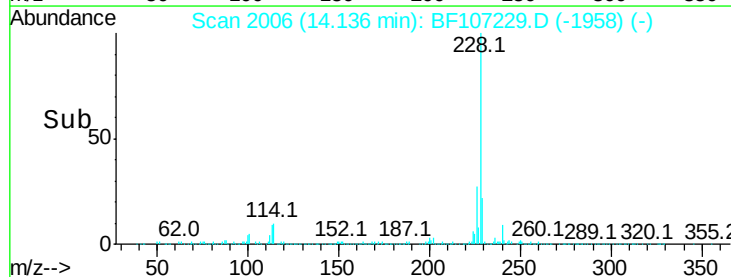
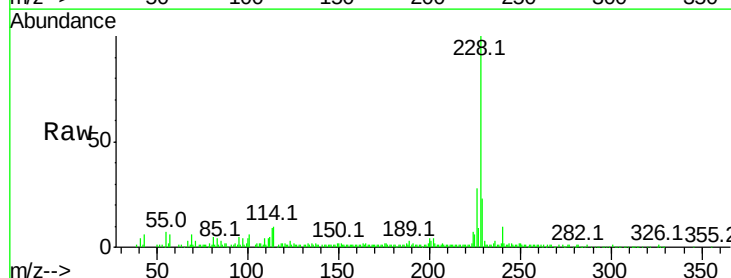
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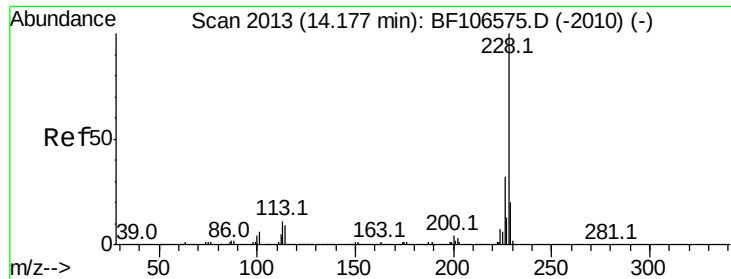
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#80
 Benzo(a)anthracene
 Concen: 15.093 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF107229.D
 Acq: 9 Jul 2018 15:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	23.0	15.8	23.6





#82

Chrysene

Concen: 15.344 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107229.D

Acq: 9 Jul 2018 15:27

Instrument :

BNA_F

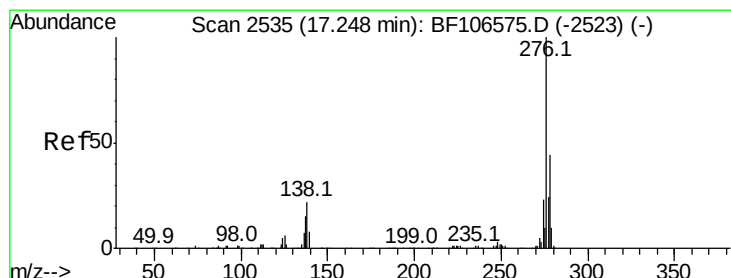
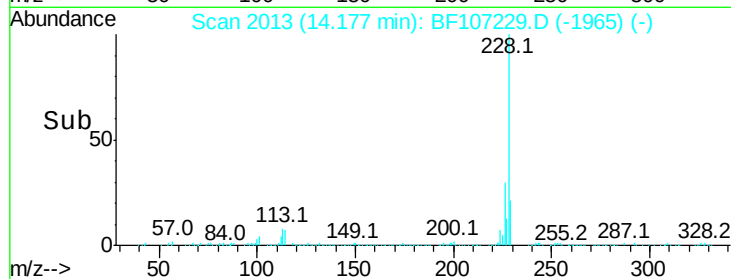
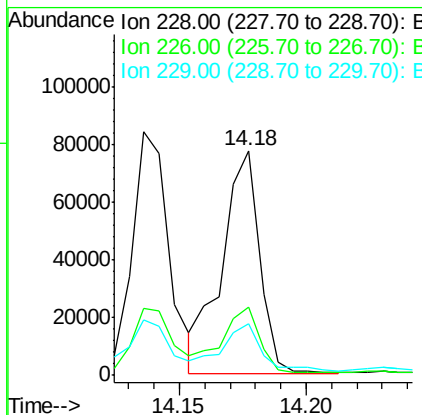
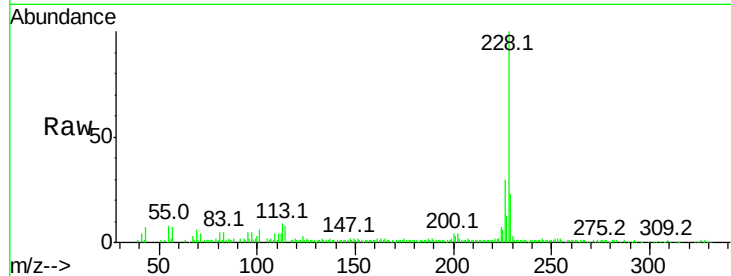
ClientSampleId :

SURCHARGE-SP-1RE

Tot Ion:	228	Resp:	80056
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	22.9	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.985 ng

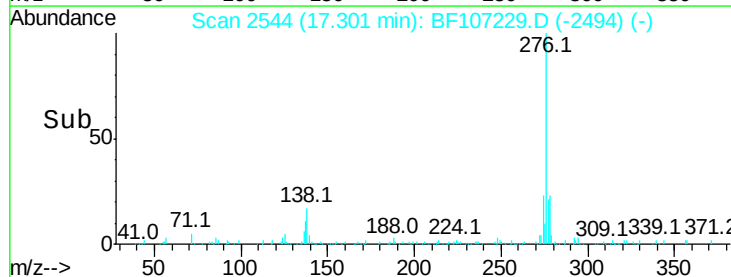
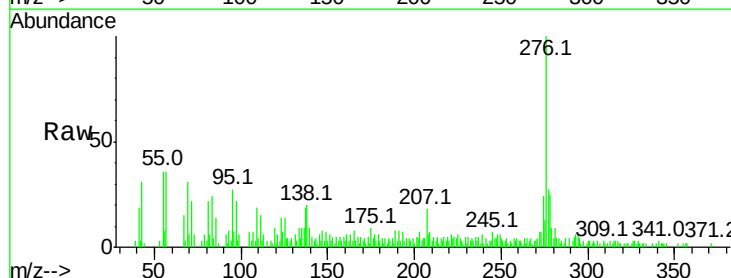
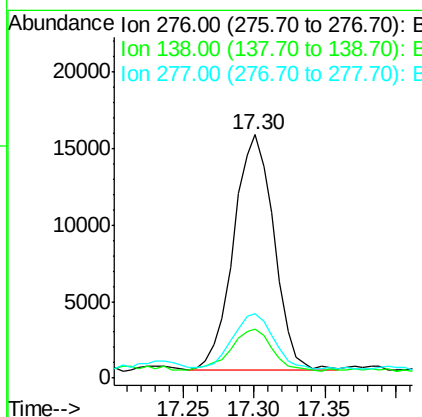
RT: 17.30 min Scan# 2544

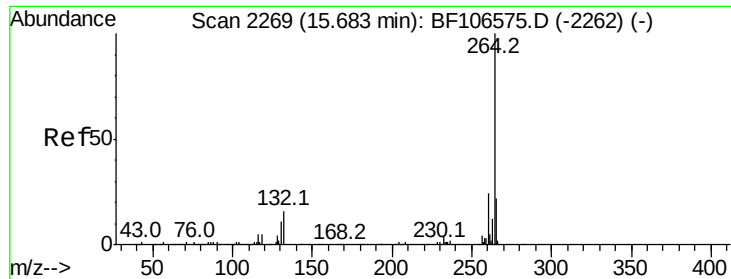
Delta R.T. -0.01 min

Lab File: BF107229.D

Acq: 9 Jul 2018 15:27

Tgt Ion:	276	Resp:	30926
Ion Ratio	Lower	Upper	
276	100		
138	18.1	25.0	37.6#
277	23.4	20.1	30.1





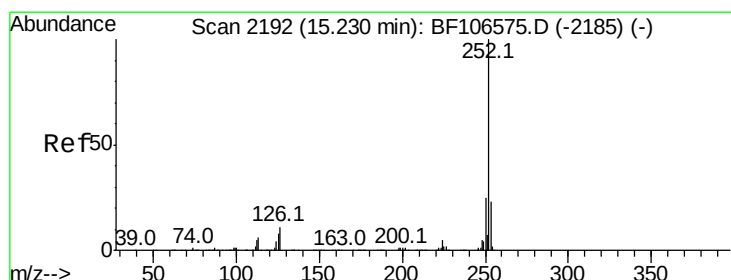
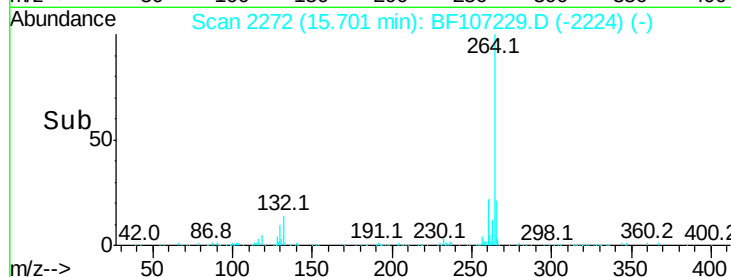
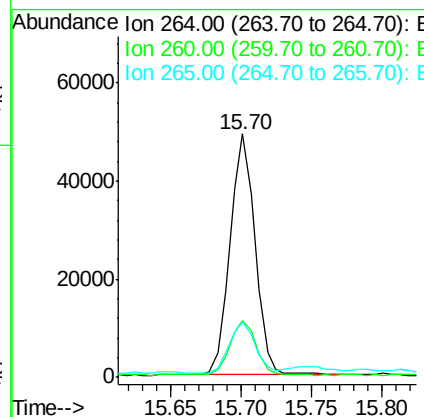
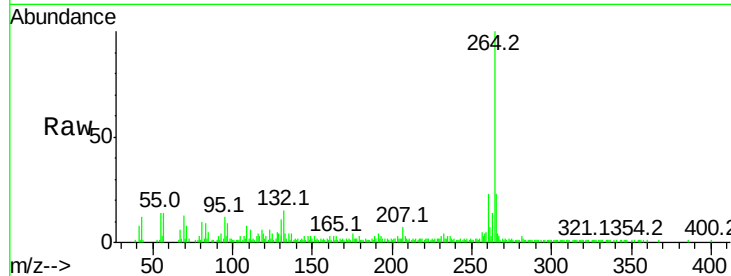
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF107229.D
Acq: 9 Jul 2018 15:27

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.9	17.5	26.3

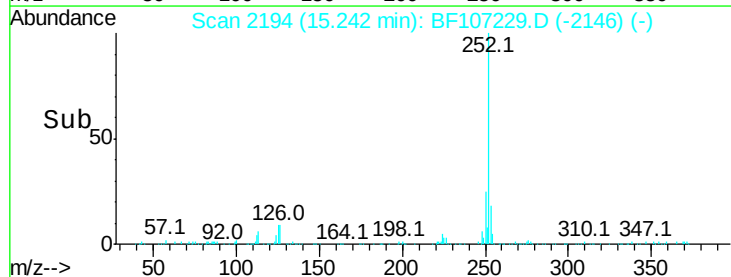
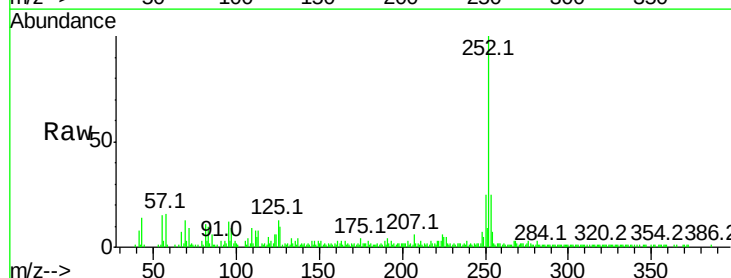
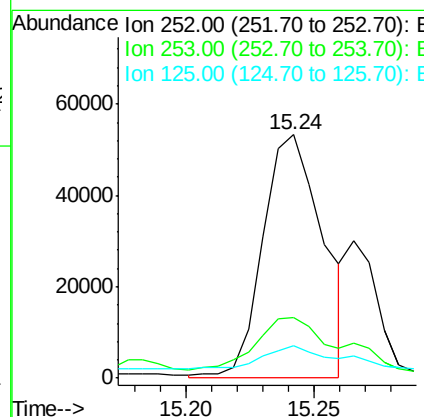
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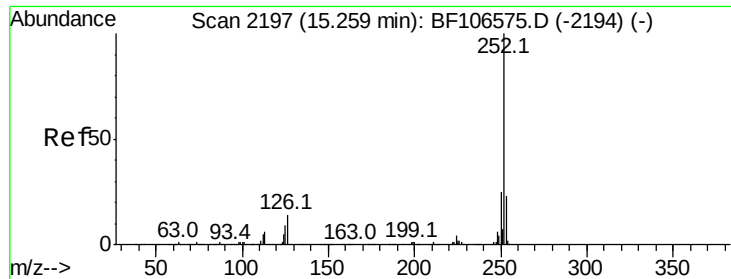
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#87
Benzo(b)fluoranthene
Concen: 22.997 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107229.D
Acq: 9 Jul 2018 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.0	25.6
125	13.1	9.0	13.6





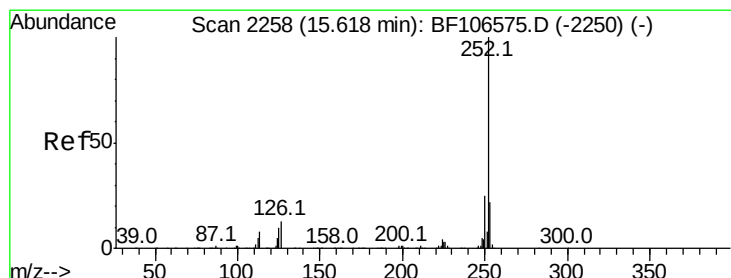
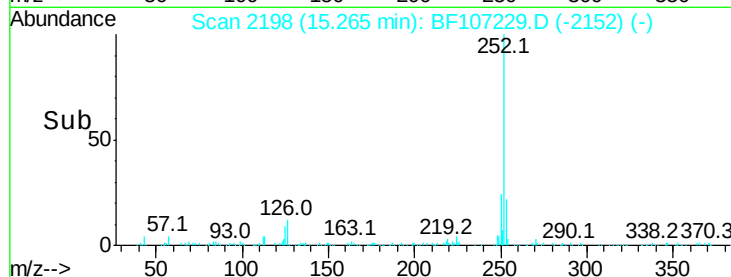
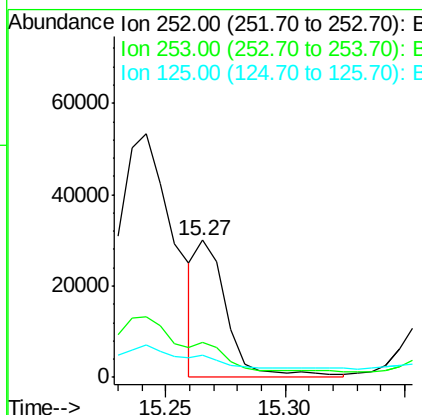
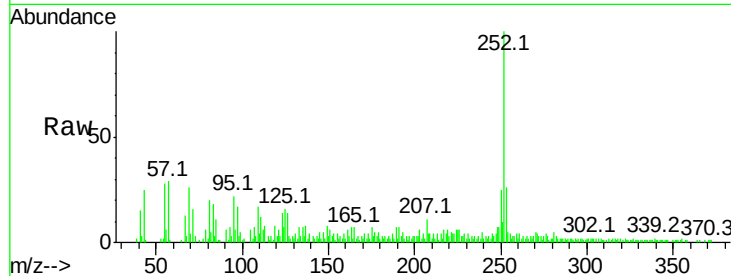
#88
Benzo(k)fluoranthene
Concen: 7.446 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF107229.D
Acq: 9 Jul 2018 15:27

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	15.9	10.2	15.2

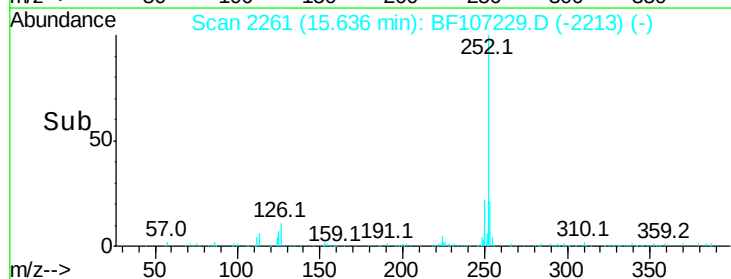
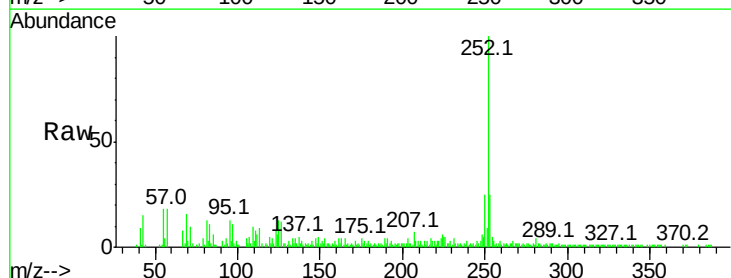
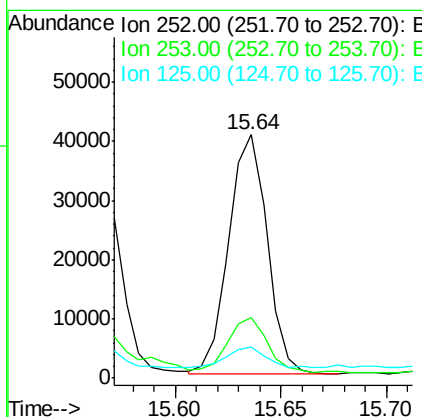
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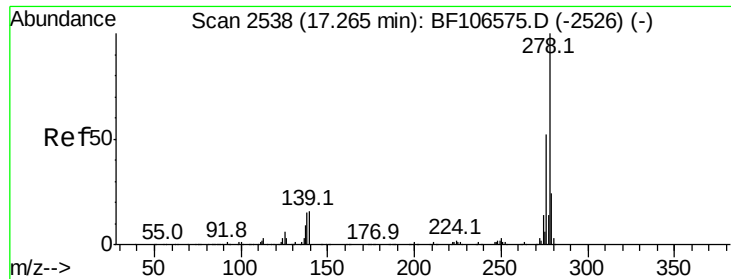
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#89
Benzo(a)pyrene
Concen: 15.254 ng
RT: 15.64 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF107229.D
Acq: 9 Jul 2018 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	12.6	9.8	14.6





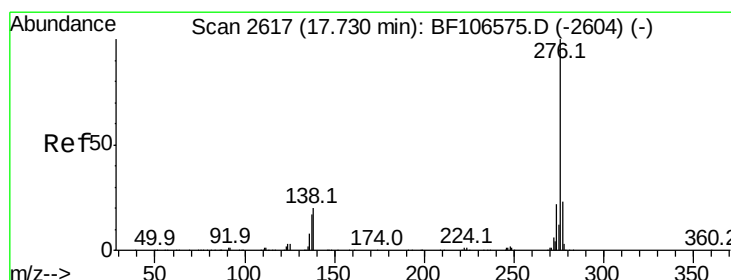
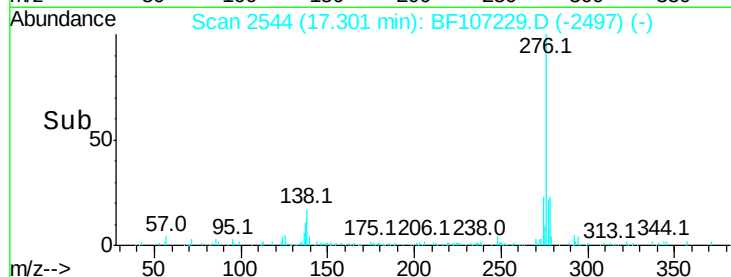
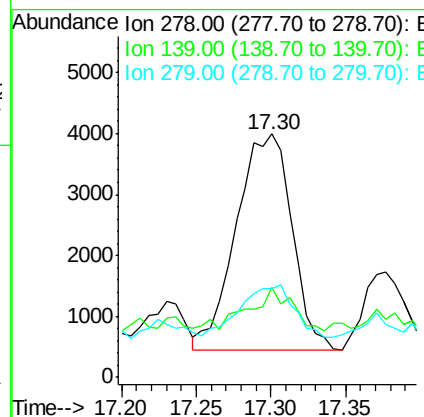
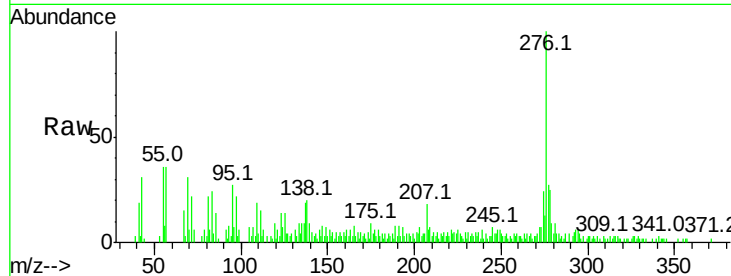
#90
Dibenzo(a,h)anthracene
Concen: 3.218 ng
RT: 17.30 min Scan# 2544
Delta R.T. -0.02 min
Lab File: BF107229.D
Acq: 9 Jul 2018 15:27

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1RE

Tot Ion	Ratio	Lower	Upper
278	100		
139	37.0	15.9	23.9#
279	36.6	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 11.217 ng
RT: 17.79 min Scan# 2627
Delta R.T. -0.00 min
Lab File: BF107229.D
Acq: 9 Jul 2018 15:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	20.0	21.8	32.8#

