

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
 Data File : BF107207.D
 Acq On : 7 Jul 2018 15:35
 Operator : JU/SJ
 Sample : J3881-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-25

Manual Integrations
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 7/9/2018 2:06:27 PM

Quant Time: Jul 09 04:19:28 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	49376	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	163272	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	71663	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	148923	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	132840	20.00	ng	-0.02
86) Perylene-d12	15.69	264	99015	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	279286	95.78	ng	-0.01
7) Phenol-d6	6.60	99	330940	90.88	ng	-0.02
23) Nitrobenzene-d5	7.51	82	197466	67.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	88284	106.29	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	346042	81.05	ng	-0.02
78) Terphenyl-d14	13.07	244	453300	82.66	ng	-0.01
Target Compounds						
31) Naphthalene	8.25	128	18456	2.418	ng	98
48) Acenaphthylene	9.85	152	15929	2.244	ng	98
49) Dimethylphthalate	9.70	163	45166	8.403	ng	98
57) Fluorene	10.54	166	11628	2.394	ng	# 94
70) Phenanthrene	11.51	178	112469	15.658	ng	99
71) Anthracene	11.56	178	41879	5.712	ng	99
72) Carbazole	11.72	167	13759	2.004	ng	# 94
74) Fluoranthene	12.71	202	274356	34.654	ng	96
77) Pyrene	12.94	202	267111	30.493	ng	99
80) Benzo(a)anthracene	14.13	228	144793	17.884	ng	98
82) Chrysene	14.17	228	135808	18.233	ng	97
83) Bis(2-ethylhexyl)phthalate	14.08	149	11225	2.438	ng	# 81
85) Indeno(1,2,3-cd)pyrene	17.28	276	56784	8.983	ng	# 87
87) Benzo(b)fluoranthene	15.23	252	145103m	23.591	ng	
88) Benzo(k)fluoranthene	15.25	252	38794m	6.623	ng	
89) Benzo(a)pyrene	15.62	252	92459	16.909	ng	93
90) Dibenzo(a,h)anthracene	17.27	278	16019	3.457	ng	# 77
91) Benzo(g,h,i)perylene	17.76	276	57234	12.636	ng	91

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

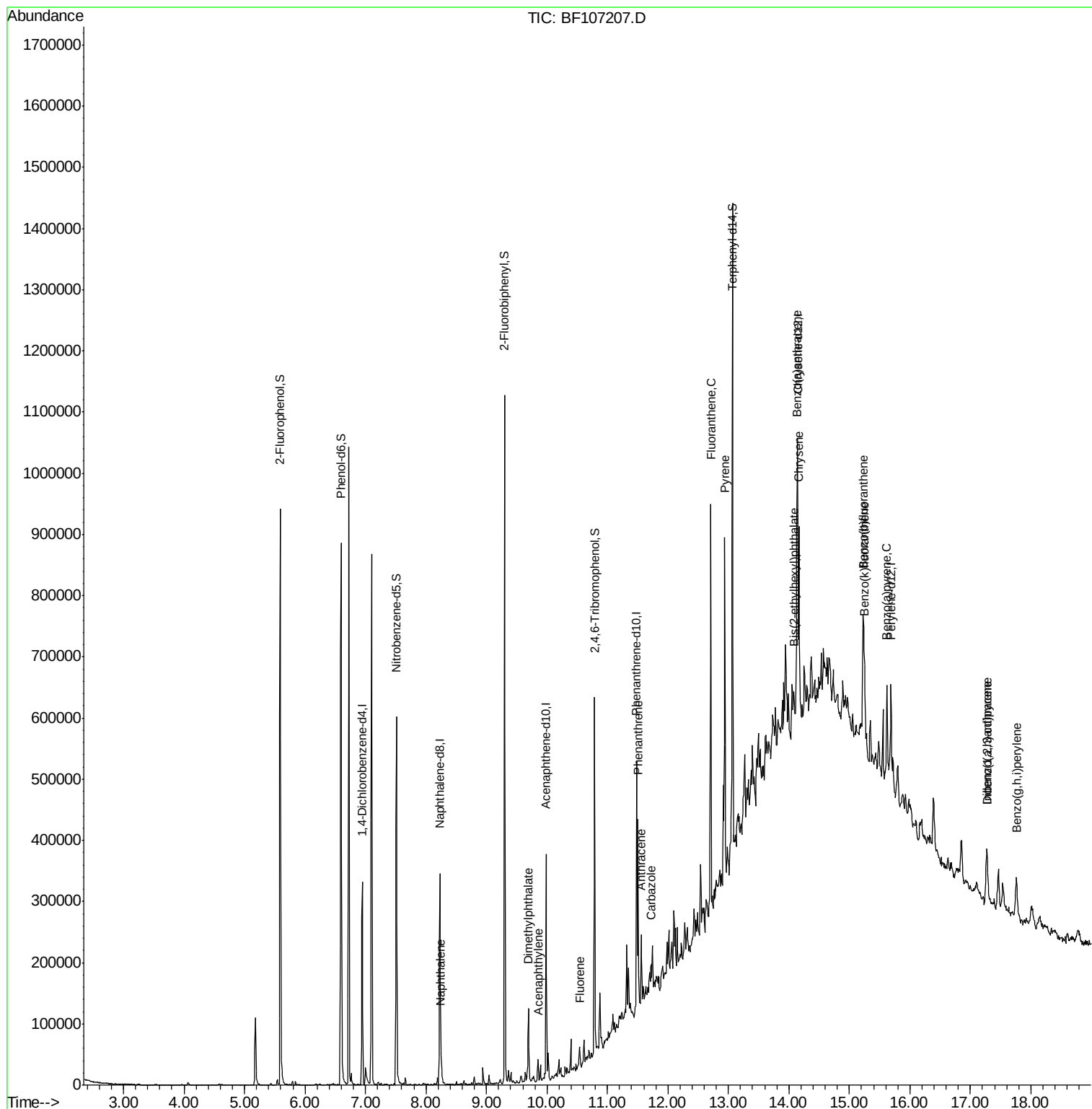
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
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ALS Vial : 15 Sample Multiplier: 1

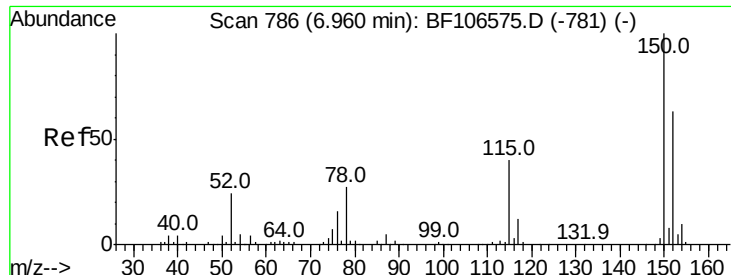
Instrument :
BNA_F
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SURCHARGE-SP-25

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

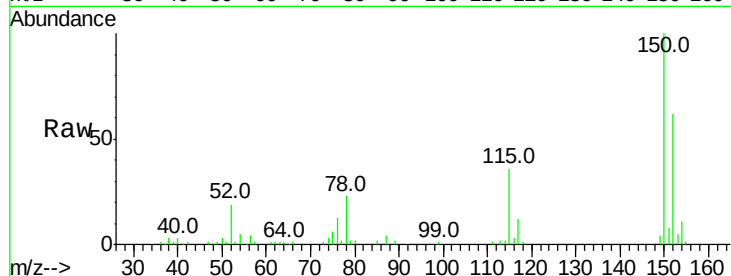
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	57.7	50.1	75.1

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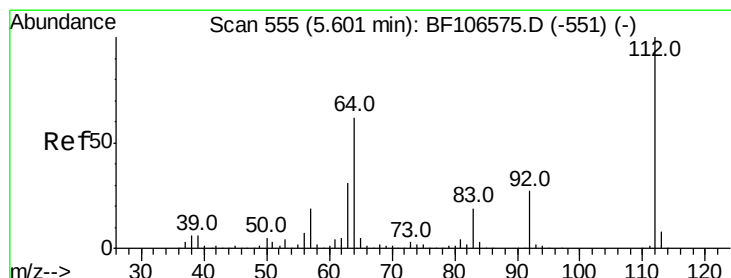
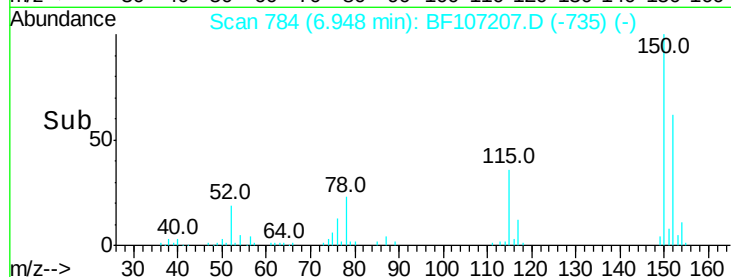
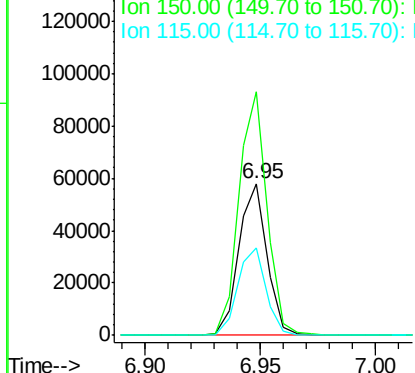


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

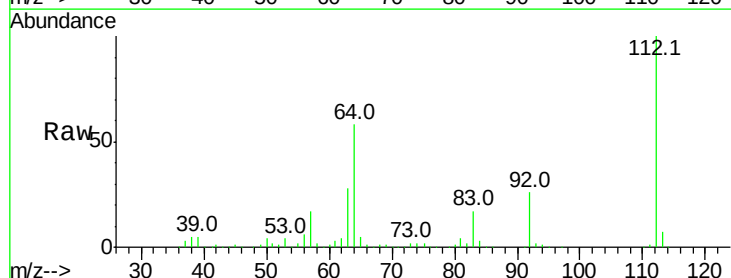
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.779 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	28.2	23.7	35.5

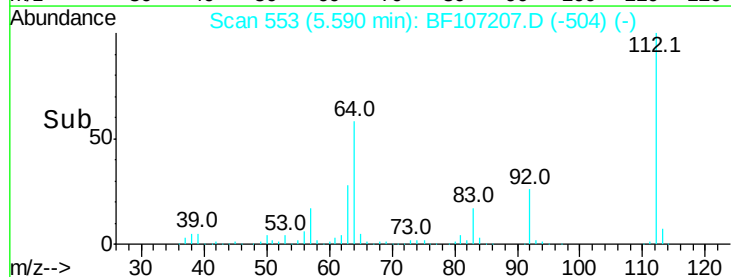
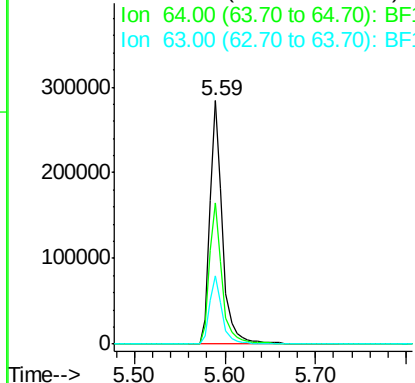


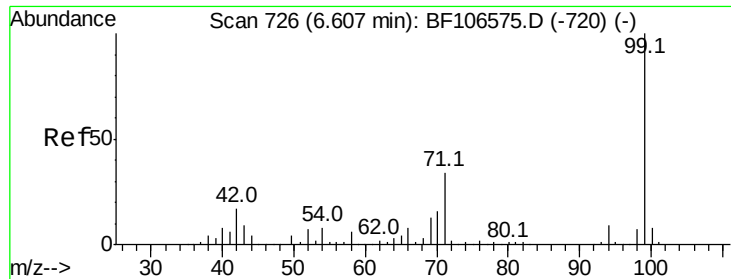
Abundance

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: 90.882 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107207.D

Acq: 7 Jul 2018 15:35

Instrument :

BNA_F

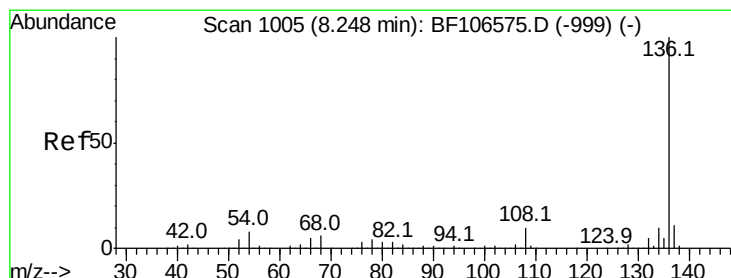
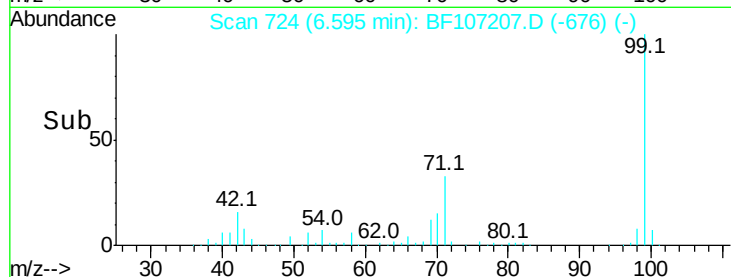
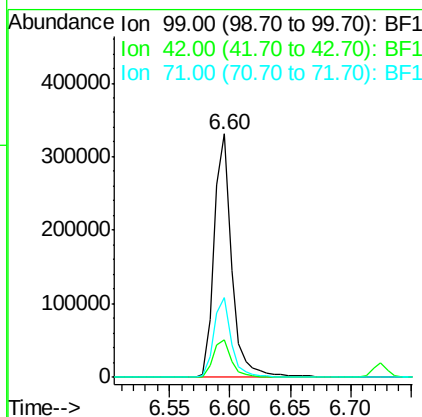
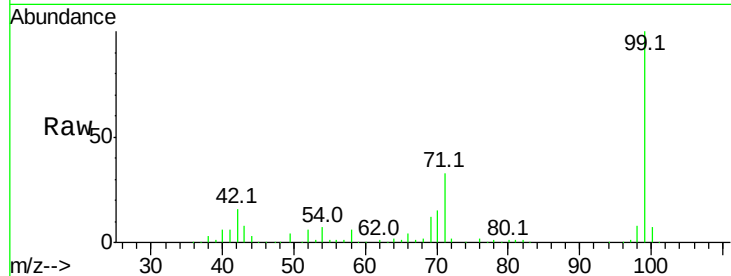
ClientSampleId :

SURCHARGE-SP-25

Tot Ion:	99	Resp:	330940
Ion	Ratio	Lower	Upper
99	100		
42	15.7	14.5	21.7
71	32.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

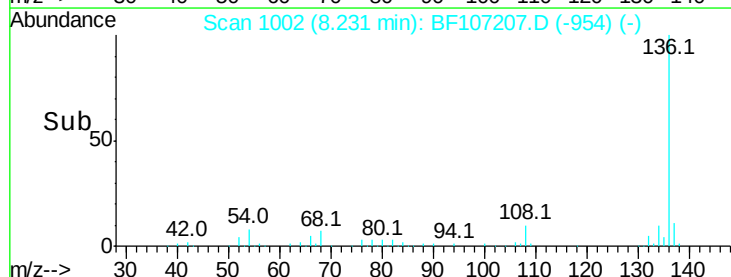
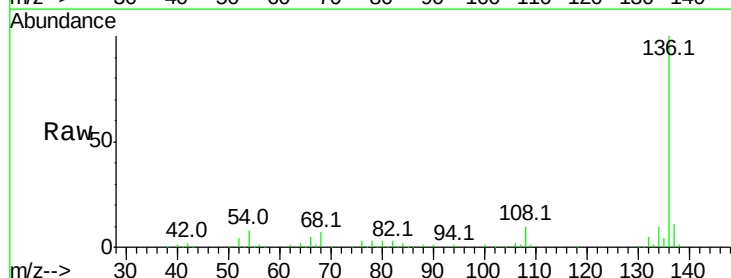
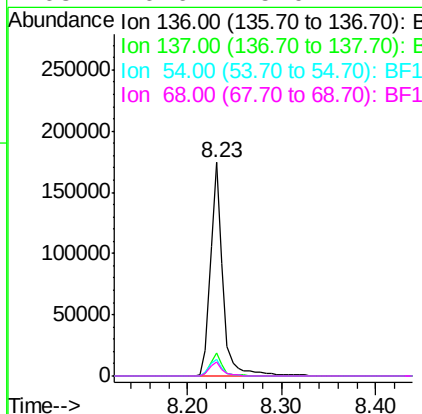
RT: 8.23 min Scan# 1002

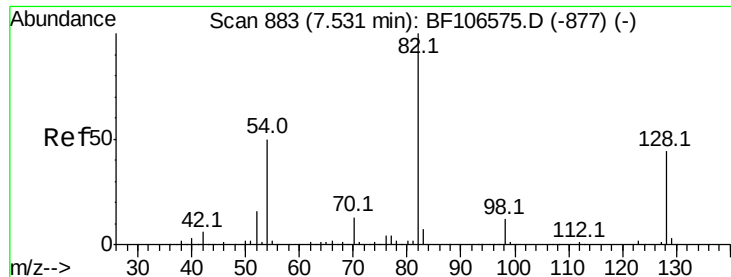
Delta R.T. -0.02 min

Lab File: BF107207.D

Acq: 7 Jul 2018 15:35

Tgt Ion:	136	Resp:	163272
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.6	6.6	9.8
68	6.6	5.0	7.4





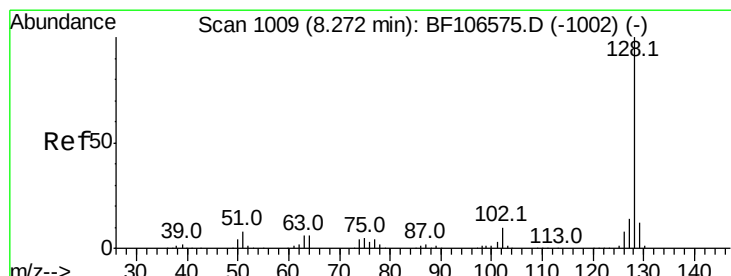
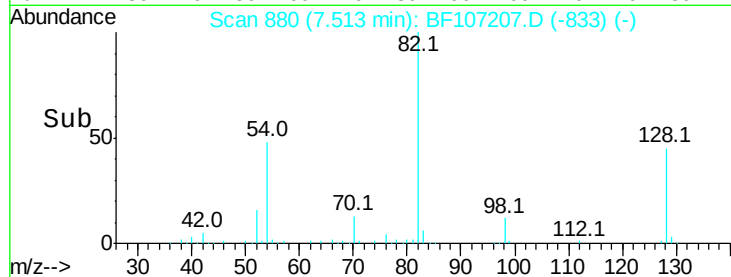
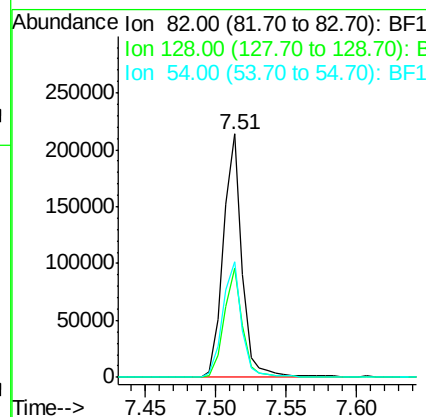
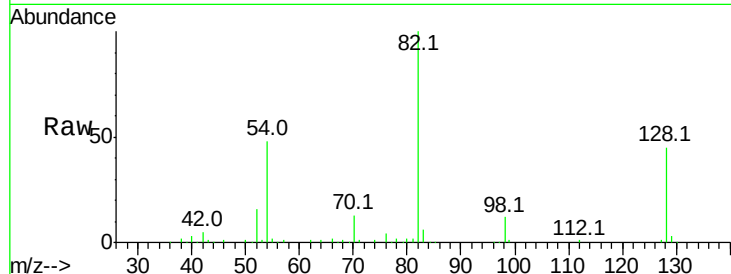
#23
Nitrobenzene-d5
Concen: 67.212 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	47.5	41.4	62.2

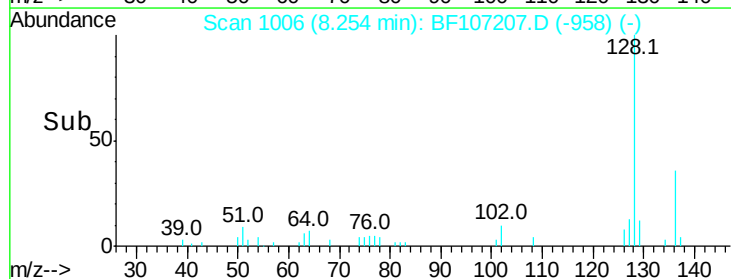
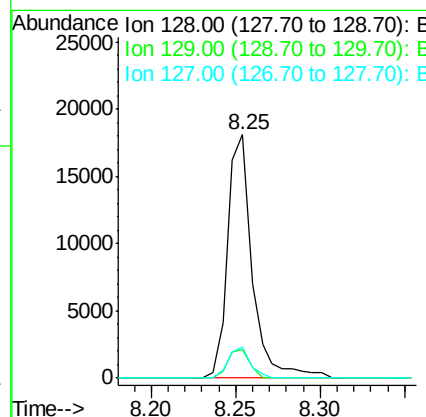
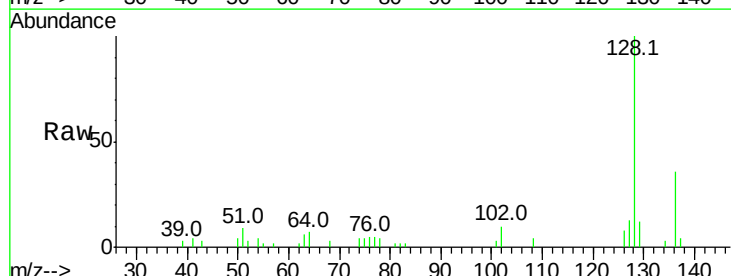
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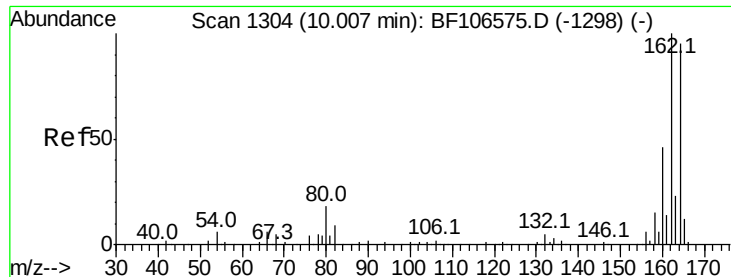
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#31
Naphthalene
Concen: 2.418 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	12.9	10.9	16.3





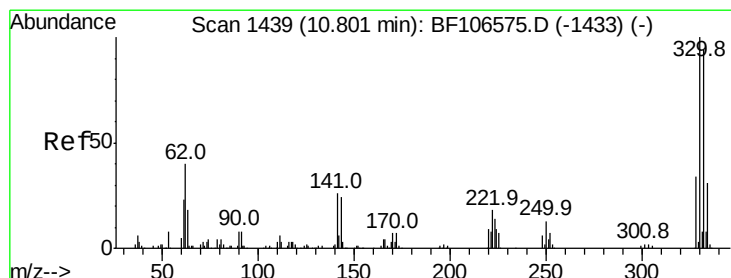
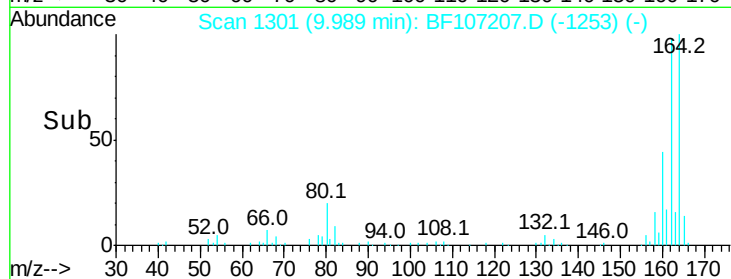
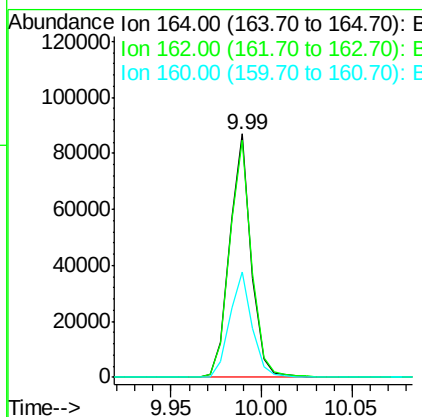
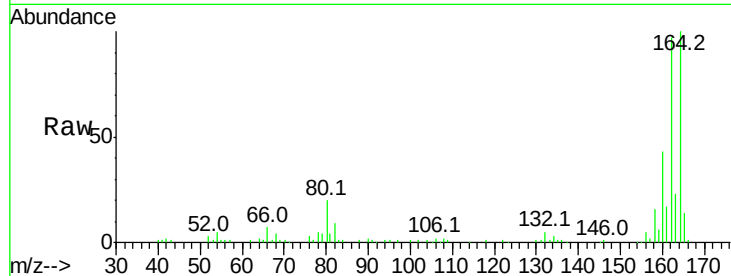
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107207.D
 Acq: 7 Jul 2018 15:35

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-25

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.2	86.1	129.1
160	43.4	38.3	57.5

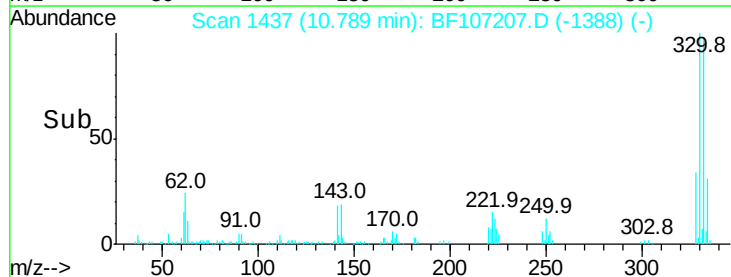
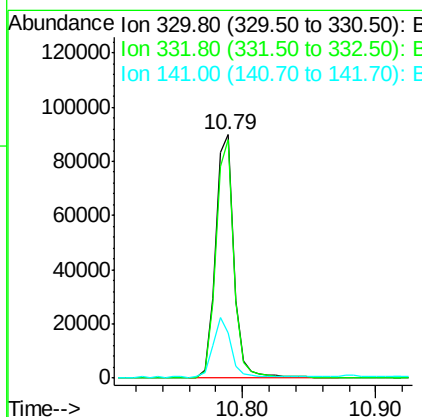
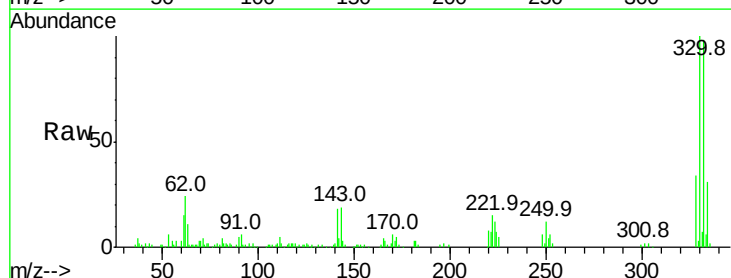
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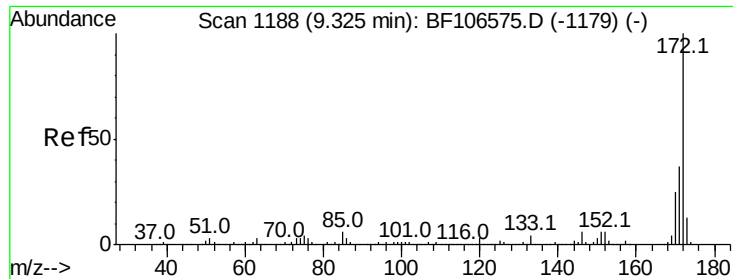
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#41
 2,4,6-Tribromophenol
 Concen: 106.290 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107207.D
 Acq: 7 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	26.2	29.9	44.9#





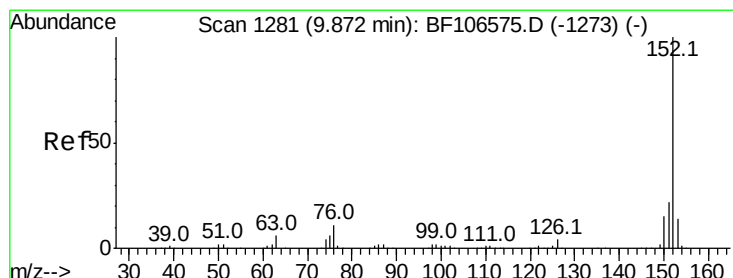
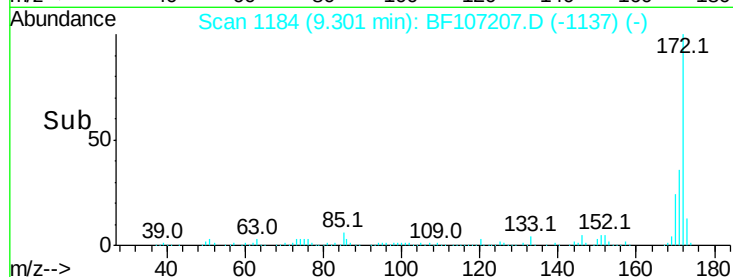
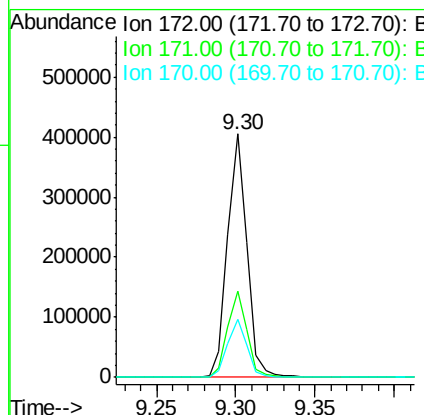
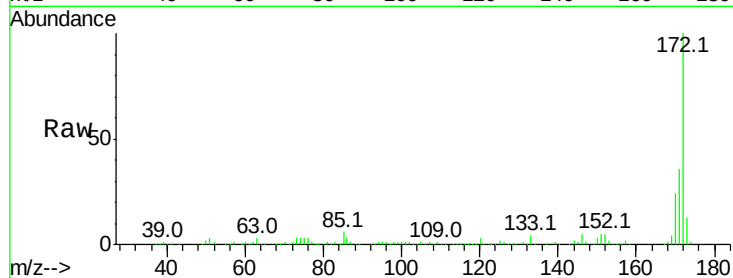
#44
2-Fluorobiphenyl
Concen: 81.046 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.8	19.6	29.4

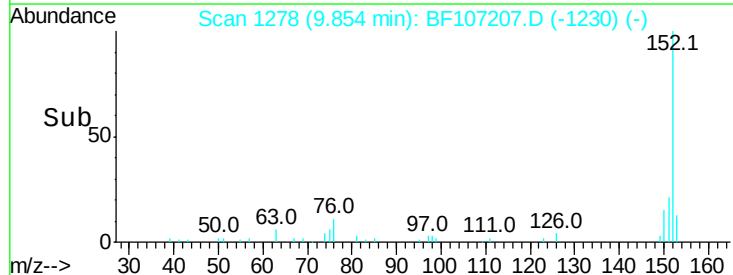
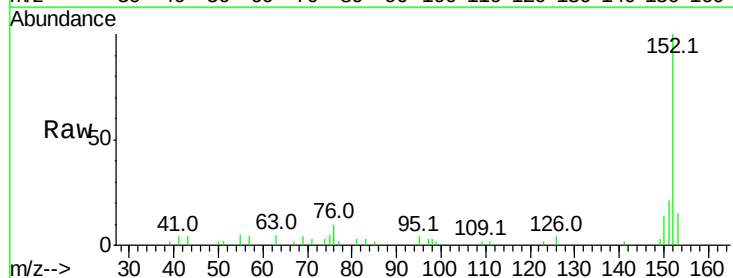
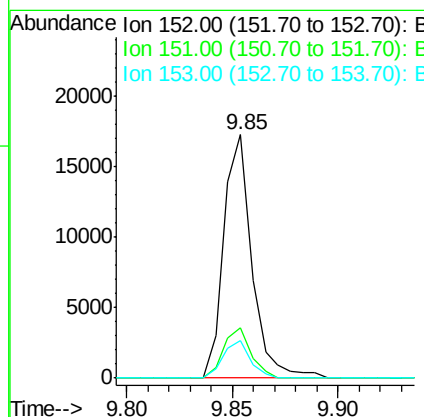
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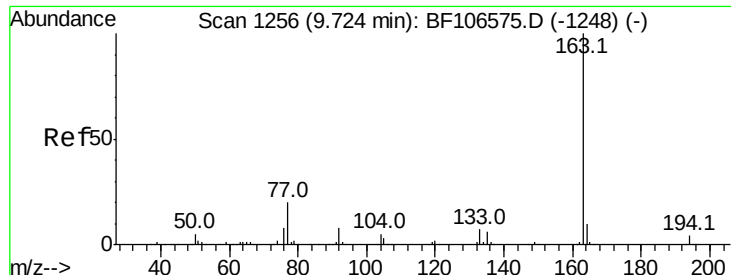
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#48
Acenaphthylene
Concen: 2.244 ng
RT: 9.85 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	15.4	10.7	16.1





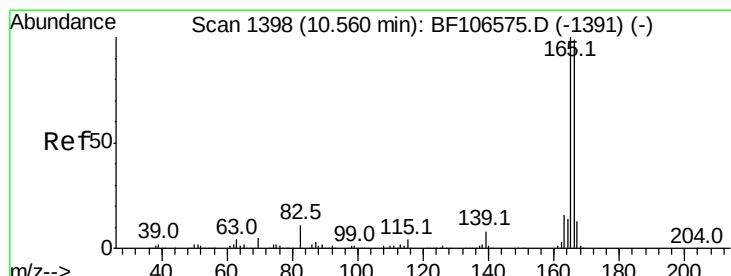
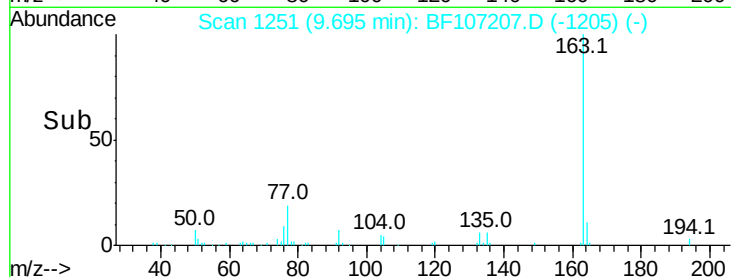
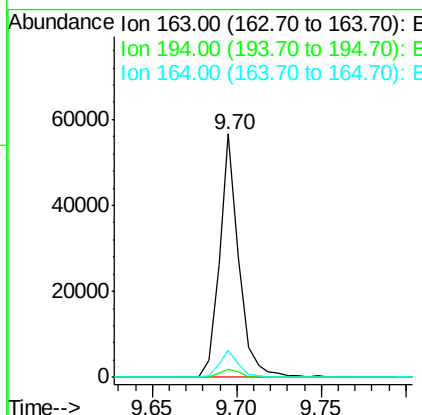
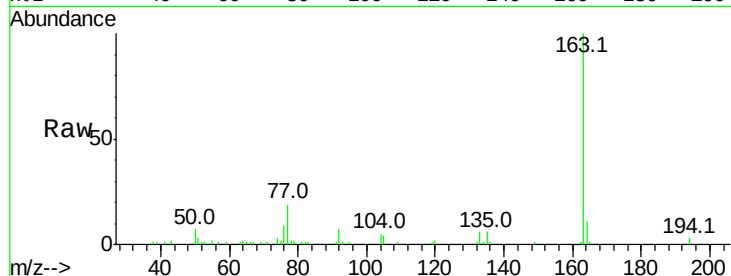
#49
Dimethylphthalate
Concen: 8.403 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4		2.7	4.1
164	11.0		8.2	12.2

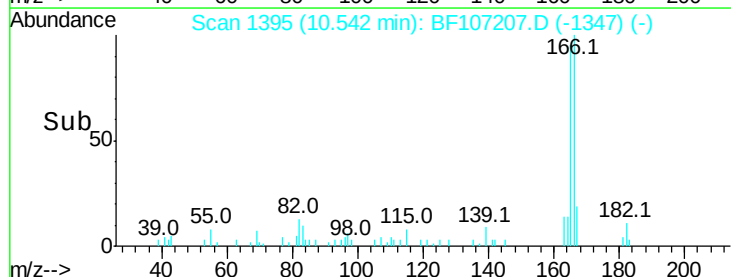
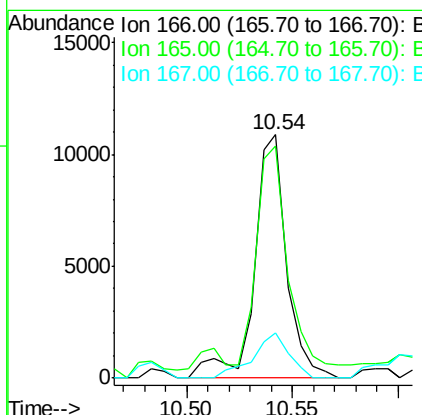
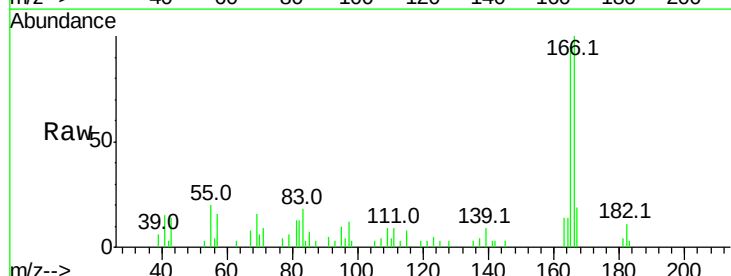
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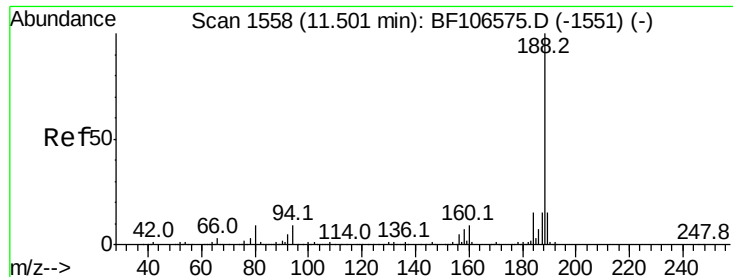
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#57
Fluorene
Concen: 2.394 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.2		79.8	119.8
167	18.6		10.6	16.0#





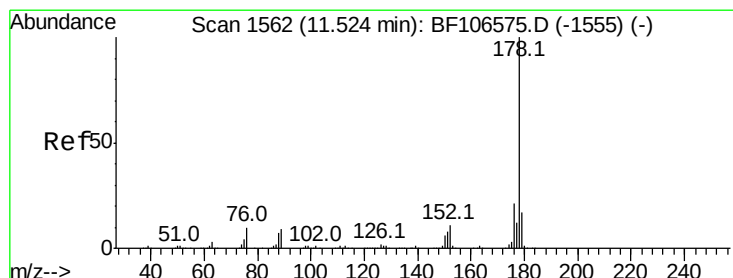
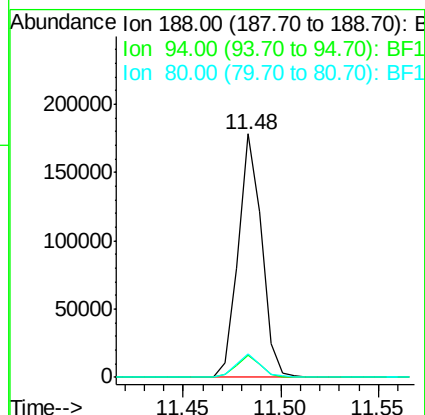
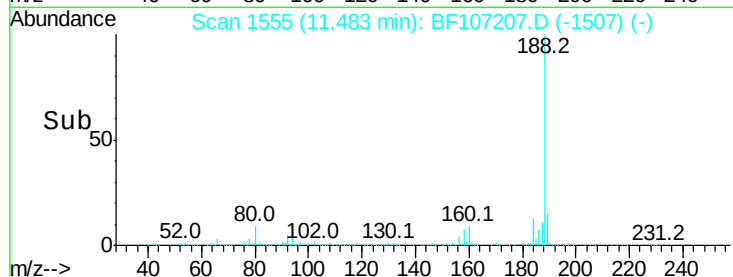
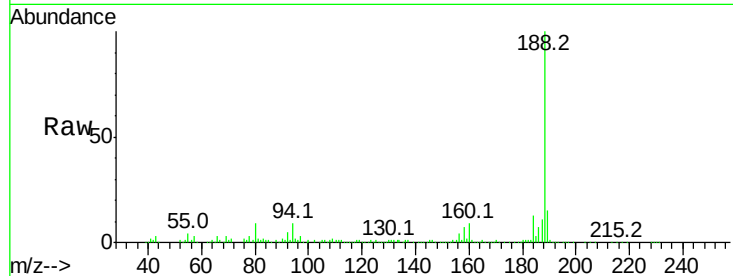
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF107207.D
 Acq: 7 Jul 2018 15:35

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-25

Tot Ion:188	Resp: 148923
Ion Ratio	Lower Upper
188 100	
94 8.9	8.5 12.7
80 9.5	9.2 13.8

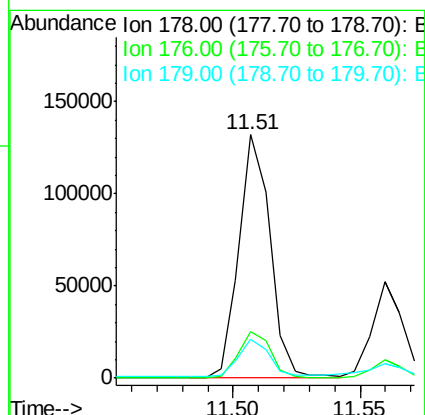
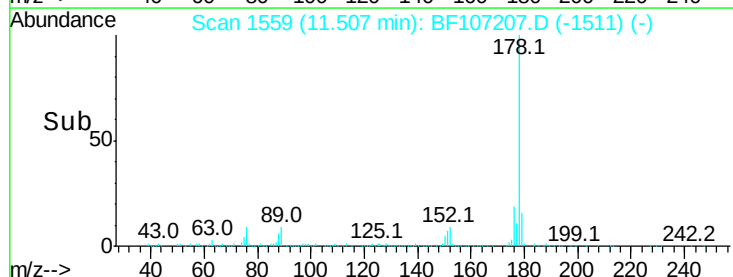
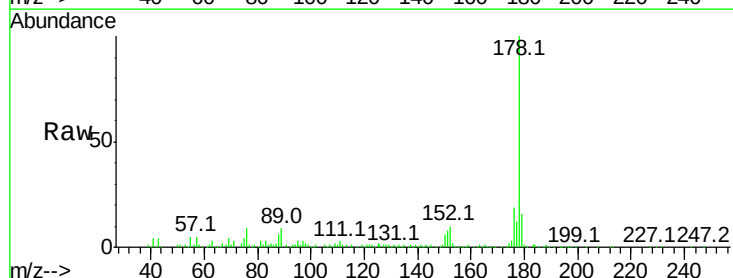
Manual Integrations
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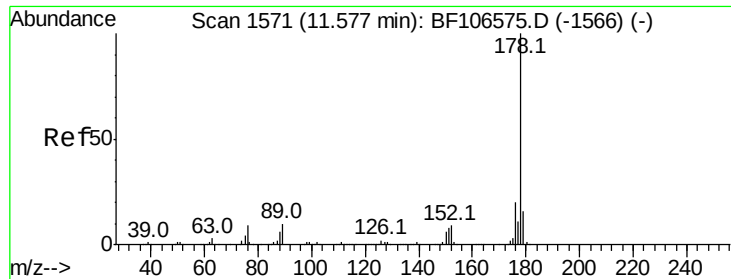
Sohil
 7/9/2018 2:06:27 PM



#70
 Phenanthrene
 Concen: 15.658 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF107207.D
 Acq: 7 Jul 2018 15:35

Tgt Ion:178	Resp: 112469
Ion Ratio	Lower Upper
178 100	
176 19.1	15.8 23.8
179 16.1	13.0 19.6





#71

Anthracene

Concen: 5.712 ng

RT: 11.56 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF107207.D

Acq: 7 Jul 2018 15:35

Instrument :

BNA_F

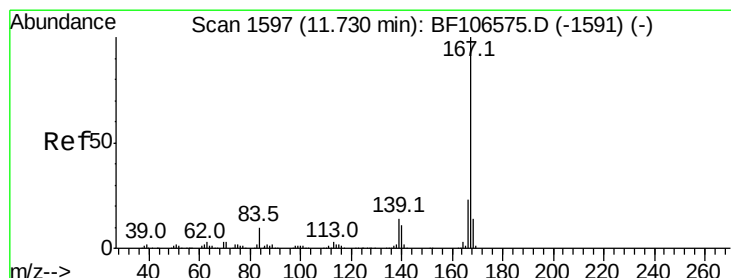
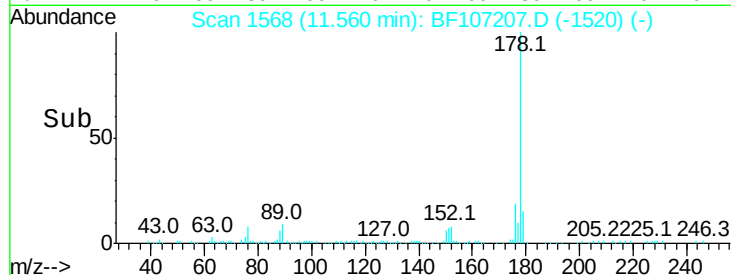
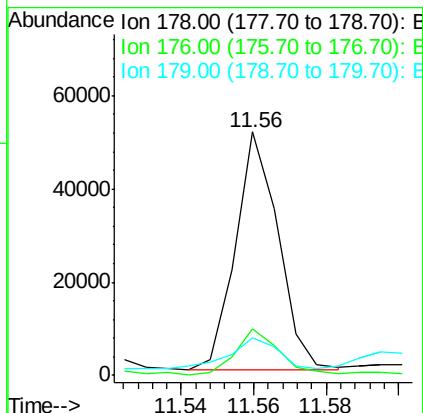
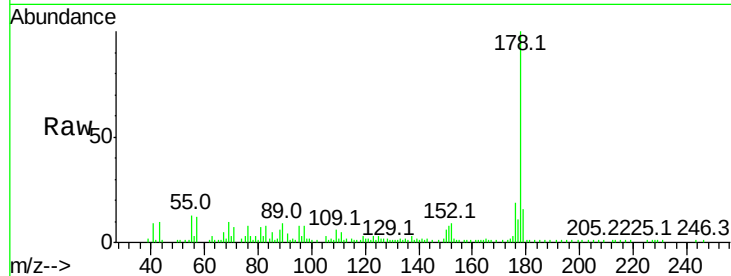
ClientSampleId :

SURCHARGE-SP-25

Tot Ion:178	Resp:	41879
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.4 23.2
179	15.6	12.6 19.0

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#72

Carbazole

Concen: 2.004 ng

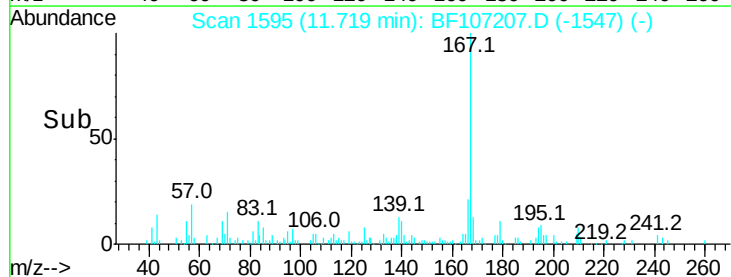
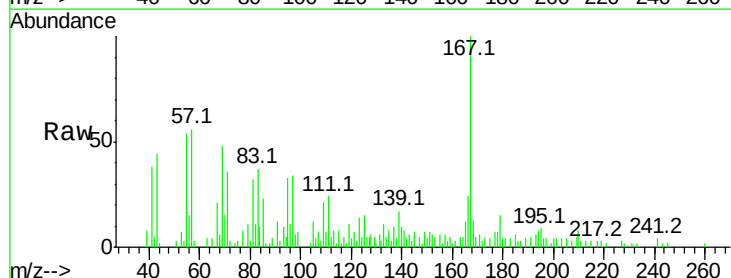
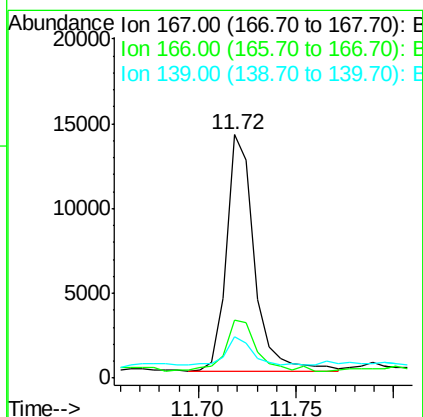
RT: 11.72 min Scan# 1595

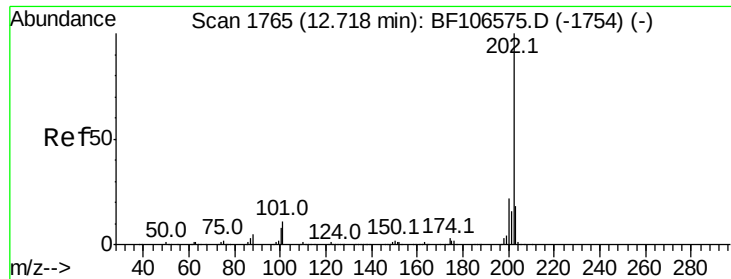
Delta R.T. -0.02 min

Lab File: BF107207.D

Acq: 7 Jul 2018 15:35

Tgt Ion:167	Resp:	13759
Ion Ratio	Lower	Upper
167	100	
166	23.8	17.6 26.4
139	17.0	10.9 16.3#





#74

Fluoranthene

Concen: 34.654 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107207.D

Acq: 7 Jul 2018 15:35

Instrument :

BNA_F

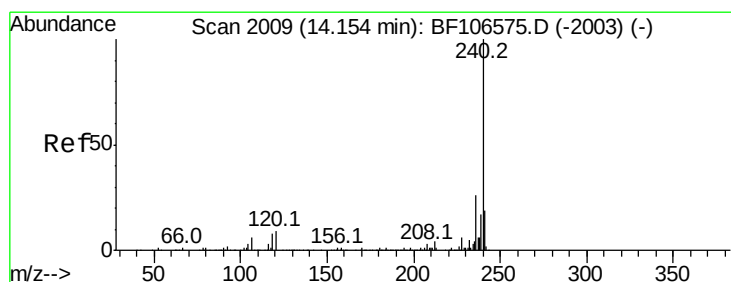
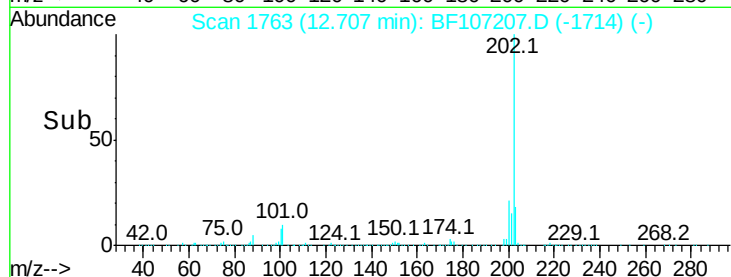
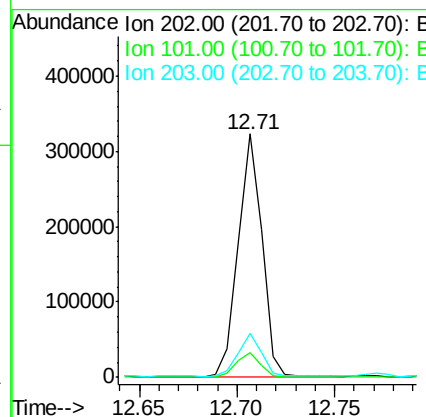
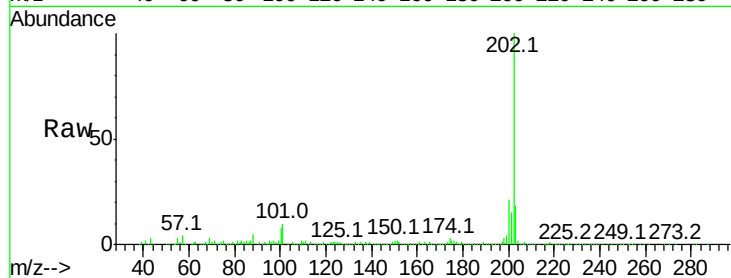
ClientSampleId :

SURCHARGE-SP-25

Tot Ion:	202	Resp:	274356
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	34.1
203	18.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

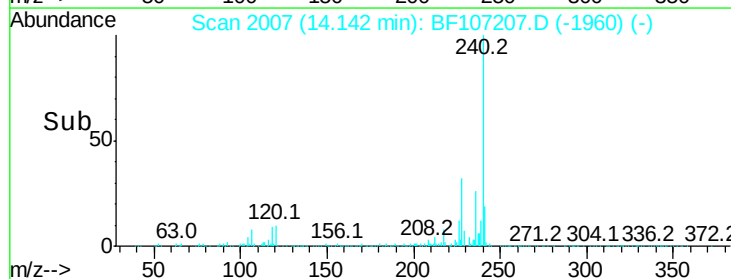
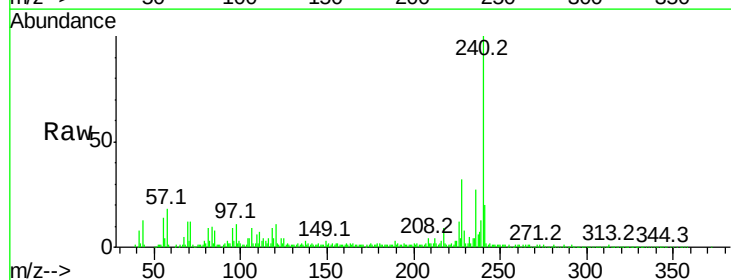
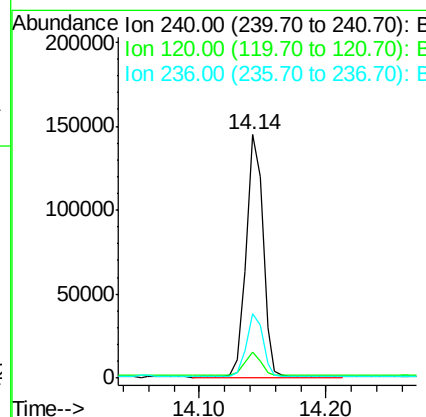
RT: 14.14 min Scan# 2007

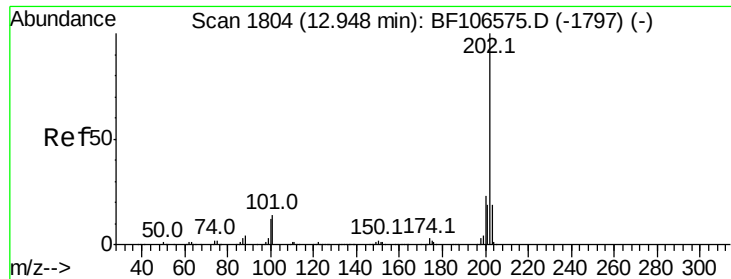
Delta R.T. -0.02 min

Lab File: BF107207.D

Acq: 7 Jul 2018 15:35

Tgt Ion:	240	Resp:	132840
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.5	14.3
236	26.6	20.7	31.1





#77

Pvrene

Concen: 30.493 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107207.D

Acq: 7 Jul 2018 15:35

Instrument :

BNA_F

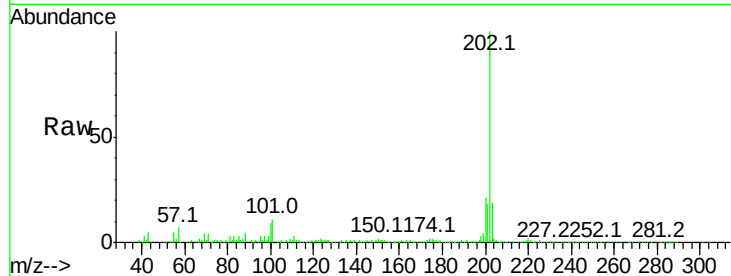
ClientSampleId :

SURCHARGE-SP-25

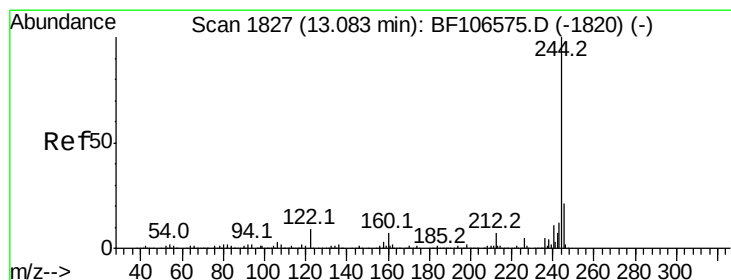
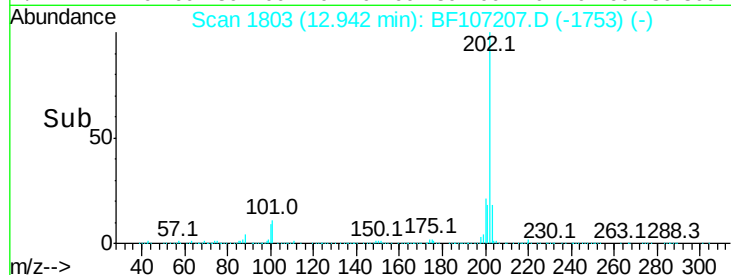
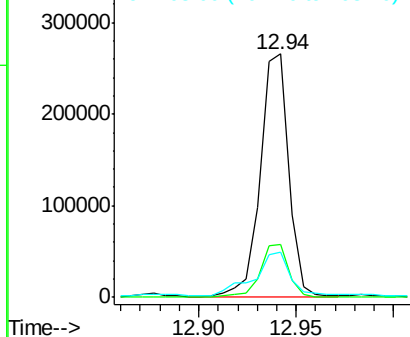
Tot Ion:	202	Resp:	267111
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.8	14.3	21.5

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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: 82.658 ng

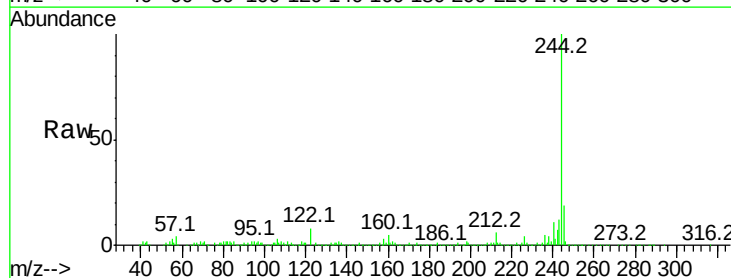
RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

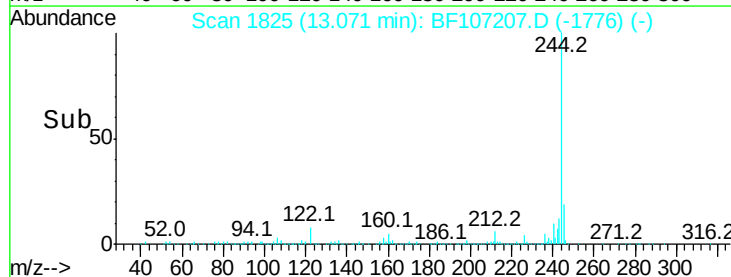
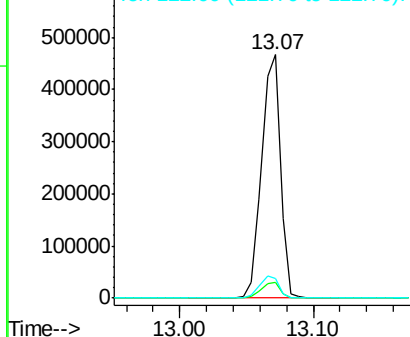
Lab File: BF107207.D

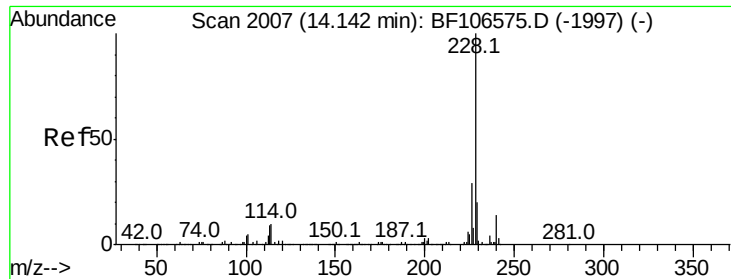
Acq: 7 Jul 2018 15:35

Tgt Ion:	244	Resp:	453300
Ion Ratio		Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.1	11.0	16.4#



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





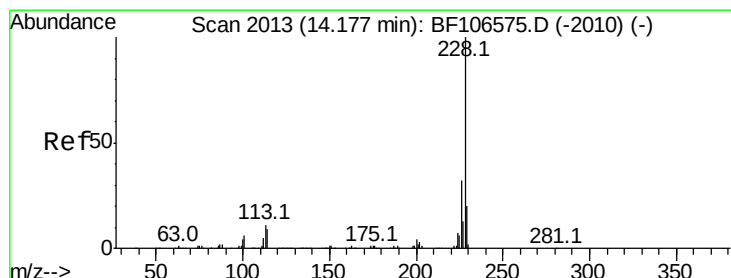
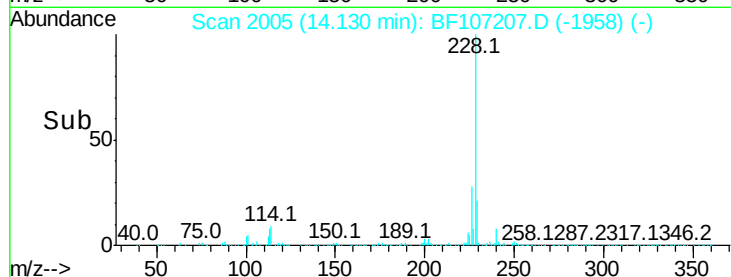
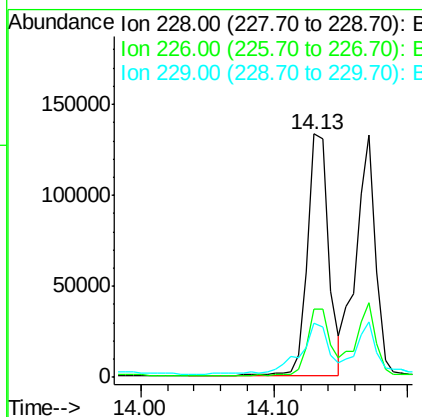
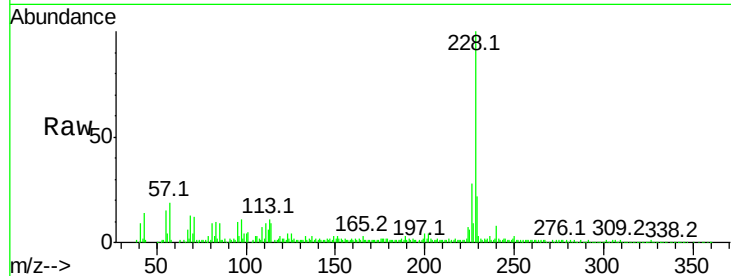
#80
Benzo(a)anthracene
Concen: 17.884 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	22.4	15.8	23.6

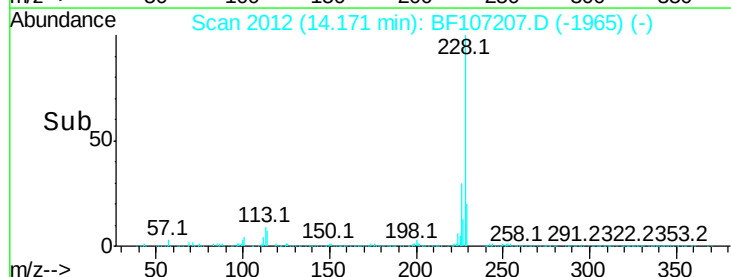
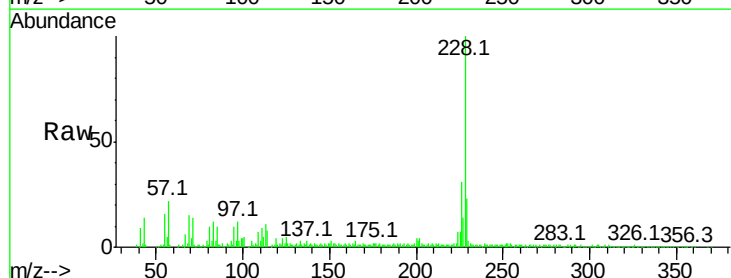
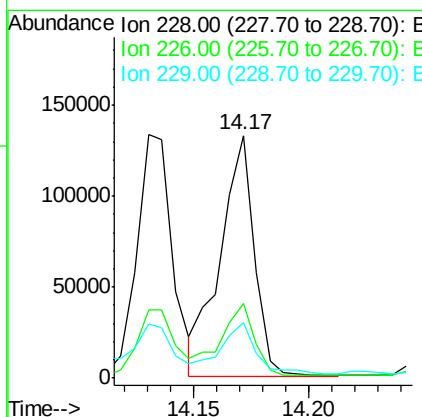
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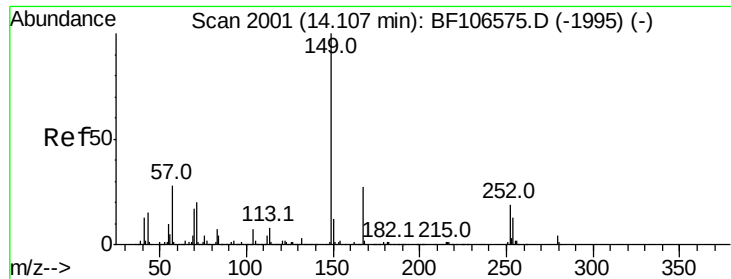
Sohil
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#82
Chrysene
Concen: 18.233 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.8	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.438 ng

RT: 14.08 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF107207.D

Acq: 7 Jul 2018 15:35

Instrument :

BNA_F

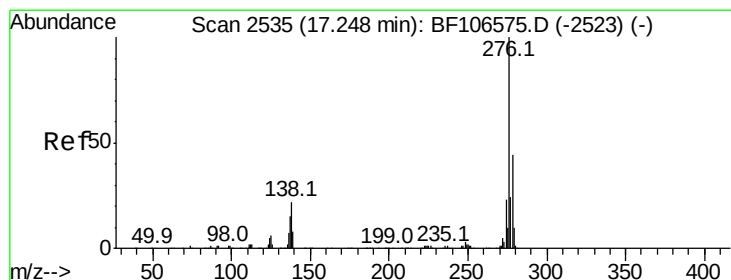
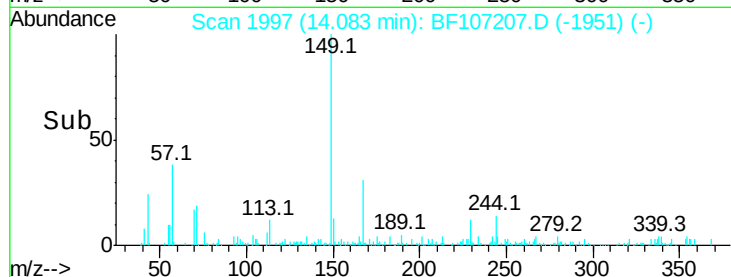
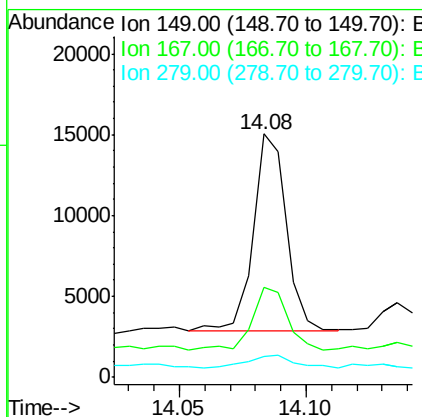
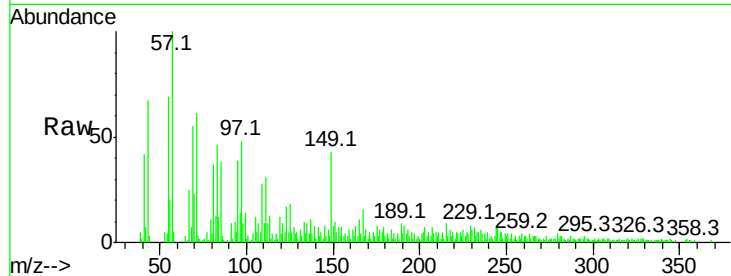
ClientSampleId :

SURCHARGE-SP-25

Tot Ion:	149	Resp:	11225
Ion Ratio	Lower	Upper	
149	100		
167	36.8	21.3	31.9#
279	8.5	3.0	4.4#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.983 ng

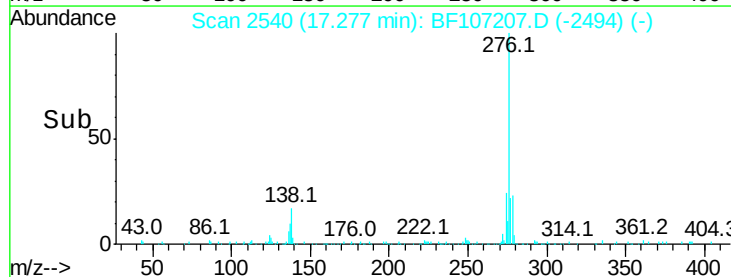
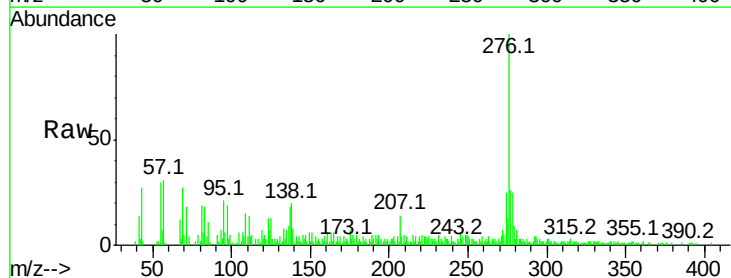
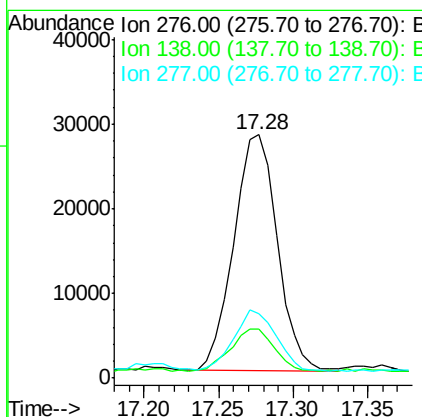
RT: 17.28 min Scan# 2540

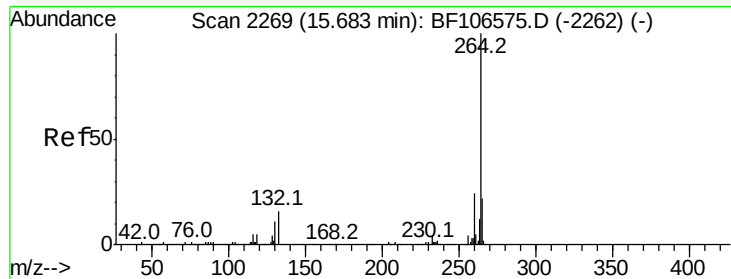
Delta R.T. -0.03 min

Lab File: BF107207.D

Acq: 7 Jul 2018 15:35

Tgt Ion:	276	Resp:	56784
Ion Ratio	Lower	Upper	
276	100		
138	18.3	25.0	37.6#
277	25.1	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.03 min

Lab File: BF107207.D

Acq: 7 Jul 2018 15:35

Instrument :

BNA_F

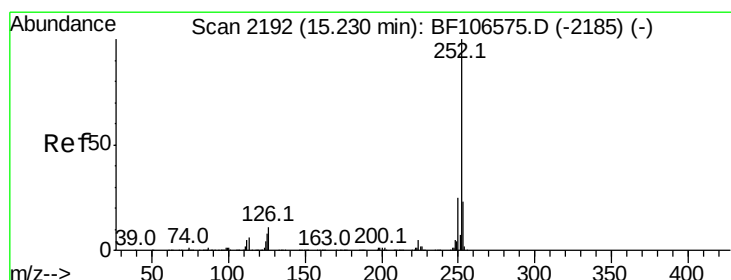
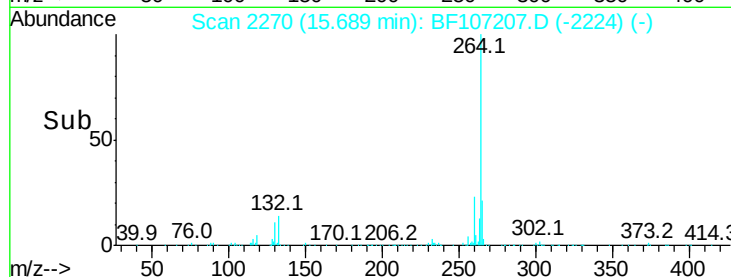
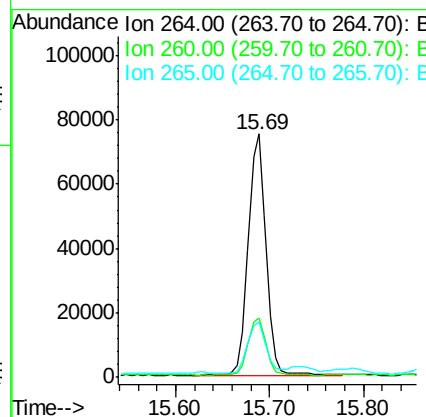
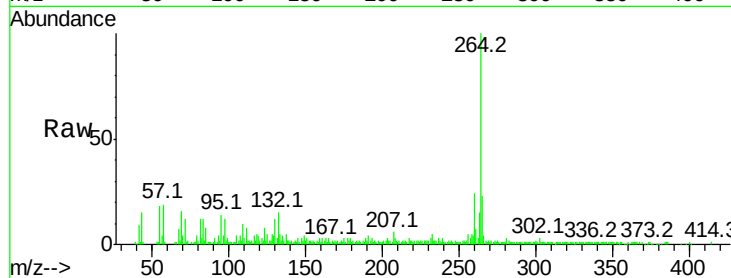
ClientSampleId :

SURCHARGE-SP-25

Tot Ion:	264	Resp:	99015
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	22.6	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 23.591 ng m

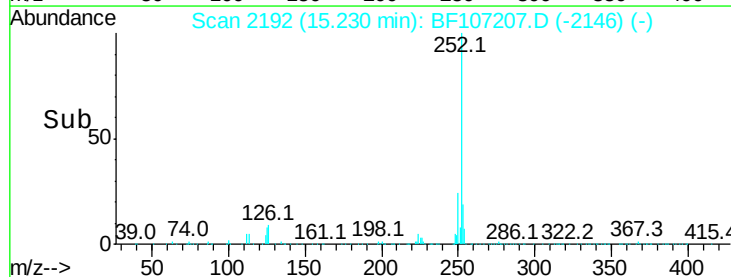
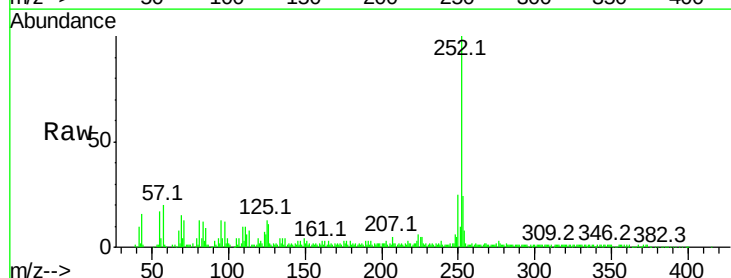
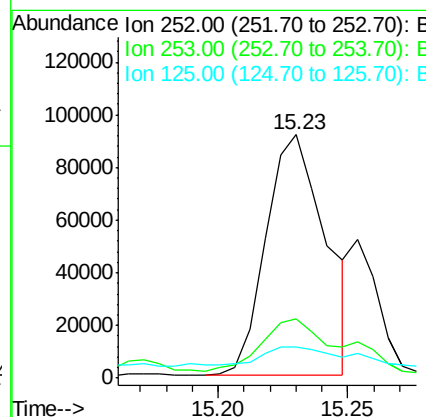
RT: 15.23 min Scan# 2192

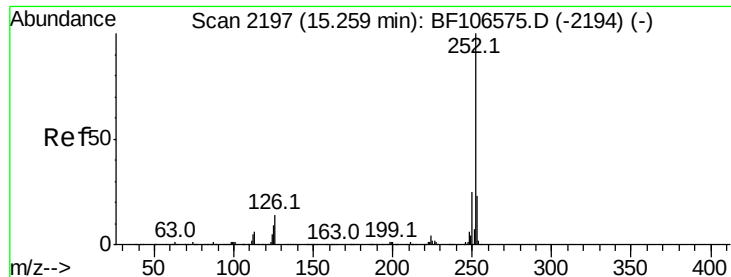
Delta R.T. -0.03 min

Lab File: BF107207.D

Acq: 7 Jul 2018 15:35

Tgt Ion:	252	Resp:	145103
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.0	25.6
125	13.0	9.0	13.6





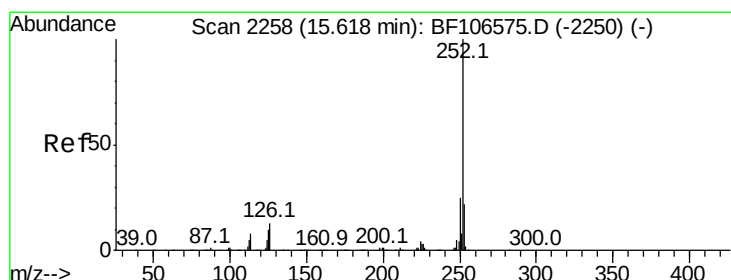
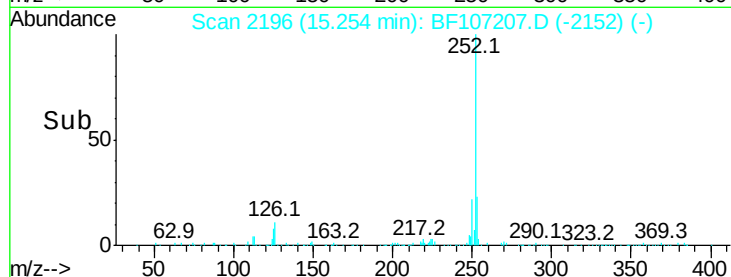
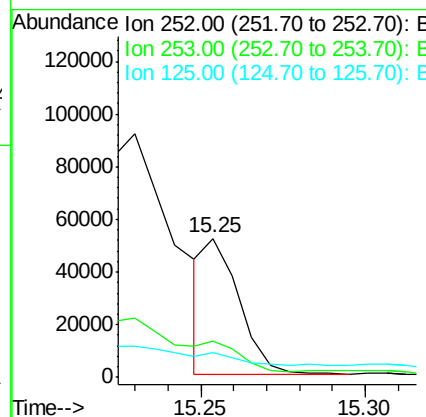
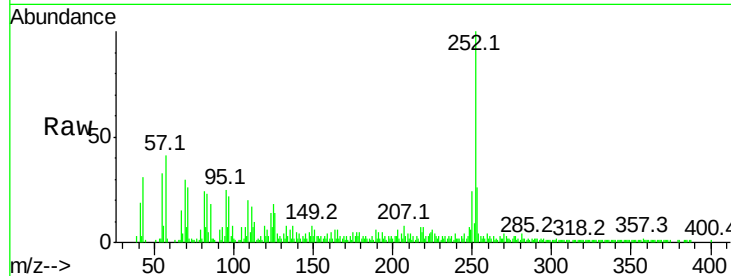
#88
Benzo(k)fluoranthene
Concen: 6.623 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	17.9	10.2	15.2

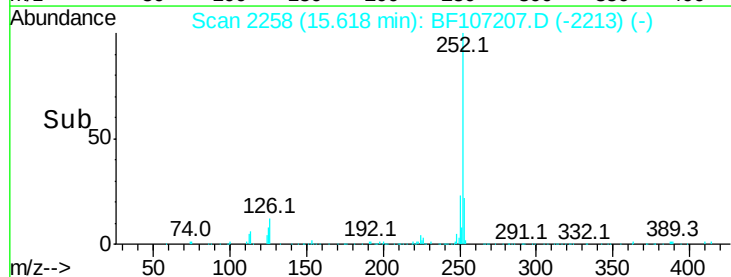
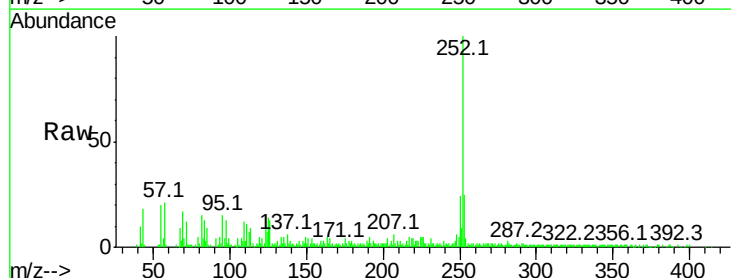
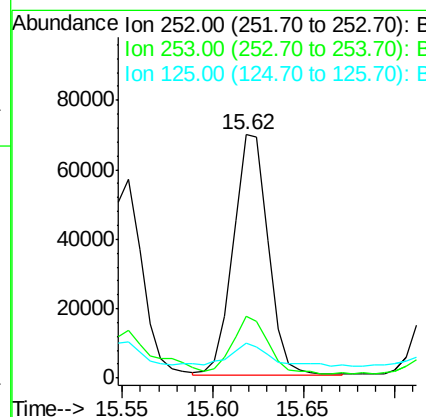
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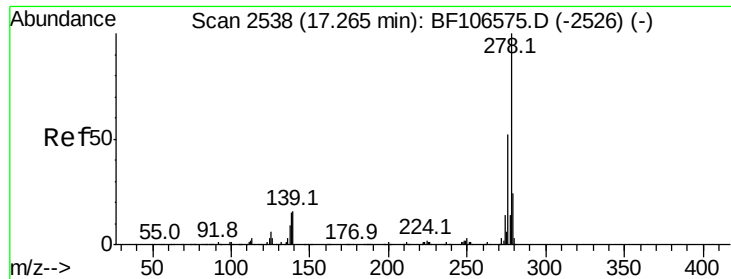
Sohil
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#89
Benzo(a)pyrene
Concen: 16.909 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	14.1	9.8	14.6





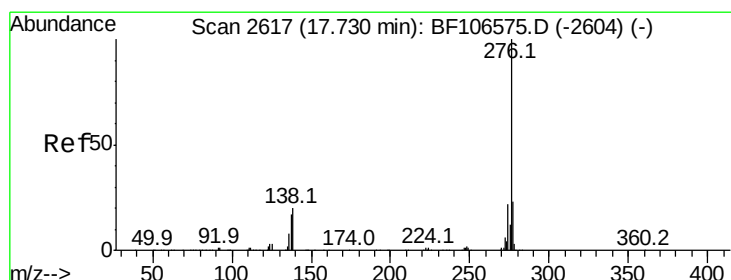
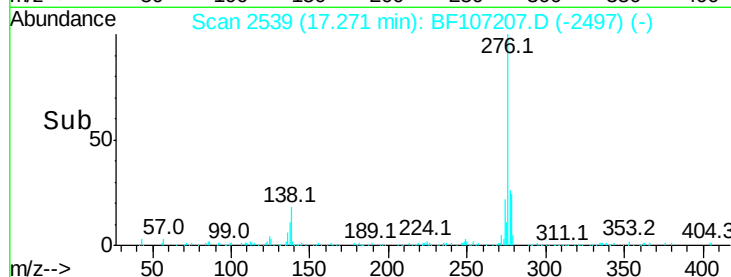
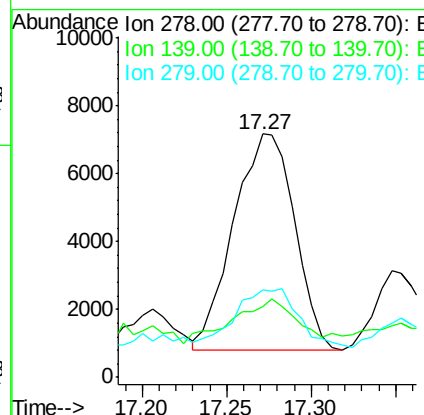
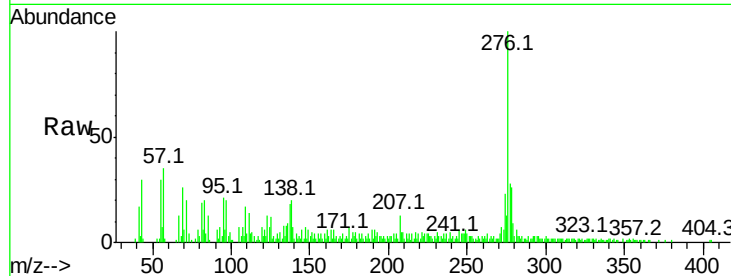
#90
Dibenzo(a,h)anthracene
Concen: 3.457 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.05 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.2	15.9	23.9#
279	35.8	19.0	28.4#

Manual Integrations
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7/9/2018 2:06:27 PM



#91
Benzo(g,h,i)perylene
Concen: 12.636 ng
RT: 17.76 min Scan# 2622
Delta R.T. -0.03 min
Lab File: BF107207.D
Acq: 7 Jul 2018 15:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	22.0	21.8	32.8

