

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107224.D
 Acq On : 9 Jul 2018 13:14
 Operator : JU/SJ
 Sample : J3881-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-21

Manual Integrations
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Quant Time: Jul 09 14:06:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	42406	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	156495	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	70690	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	128652	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	123081	20.00	ng	-0.02
86) Perylene-d12	15.69	264	117041	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	233968	93.43	ng	-0.01
7) Phenol-d6	6.59	99	290144	92.77	ng	-0.02
23) Nitrobenzene-d5	7.51	82	183393	65.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	79924	97.55	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	335318	79.30	ng	-0.02
78) Terphenyl-d14	13.07	244	357661	70.39	ng	-0.02
Target Compounds						
31) Naphthalene	8.25	128	14827	2.026	ng	Qvalue 97
49) Dimethylphthalate	9.70	163	49404	9.318	ng	99
51) Acenaphthene	10.02	154	10861	2.464	ng	98
57) Fluorene	10.54	166	11646	2.431	ng	# 99
70) Phenanthrene	11.51	178	93004	14.988	ng	98
71) Anthracene	11.56	178	27846	4.397	ng	97
74) Fluoranthene	12.71	202	204496	29.900	ng	93
77) Pyrene	12.94	202	193029	23.783	ng	99
80) Benzo(a)anthracene	14.13	228	119870	15.980	ng	99
82) Chrysene	14.17	228	103273	14.964	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	52639m	8.988	ng	
87) Benzo(b)fluoranthene	15.22	252	139100m	19.132	ng	
88) Benzo(k)fluoranthene	15.25	252	53593m	7.741	ng	
89) Benzo(a)pyrene	15.62	252	96139	14.875	ng	97
90) Dibenzo(a,h)anthracene	17.28	278	14382	2.626	ng	# 81
91) Benzo(g,h,i)perylene	17.77	276	48253	9.013	ng	# 89

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

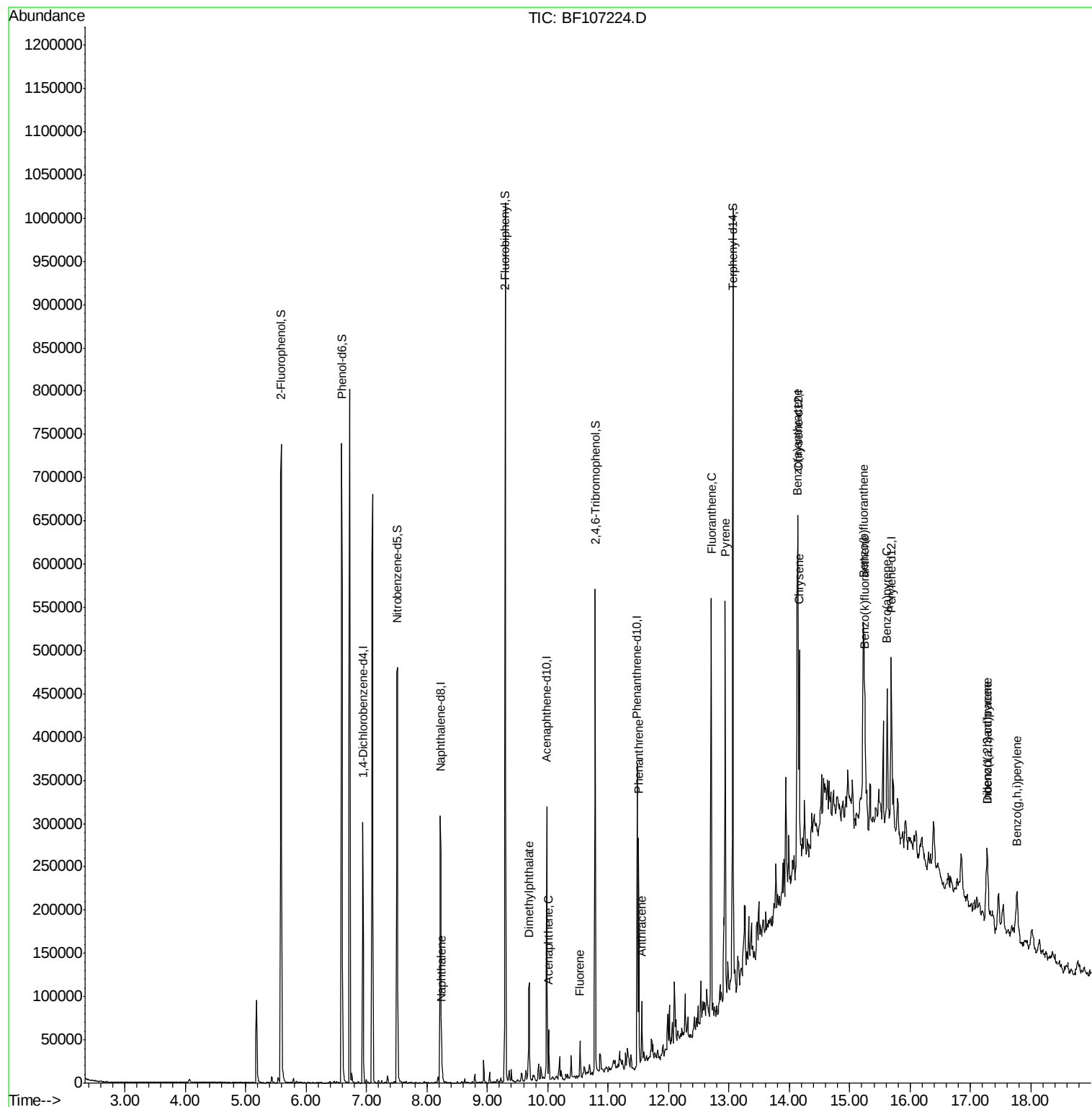
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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#1

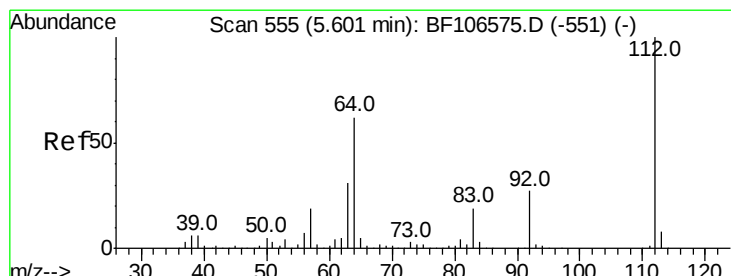
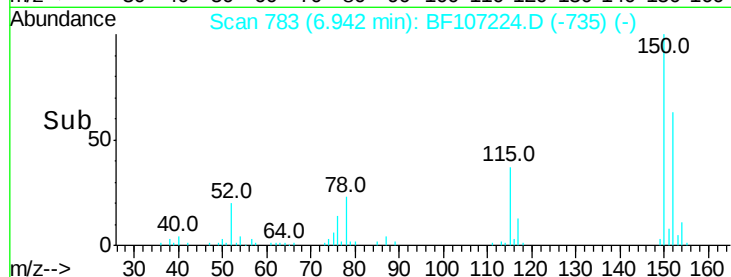
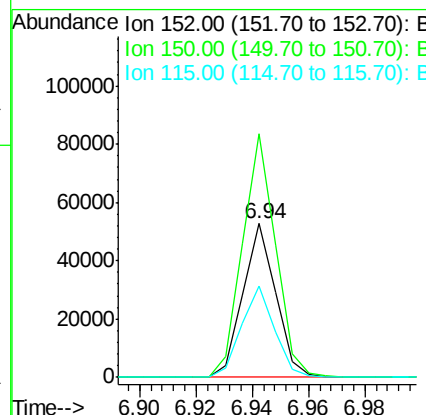
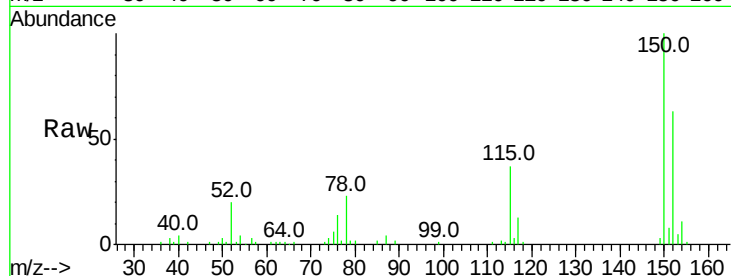
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	59.3	50.1	75.1

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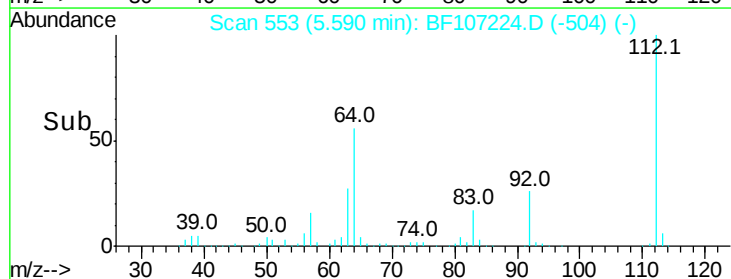
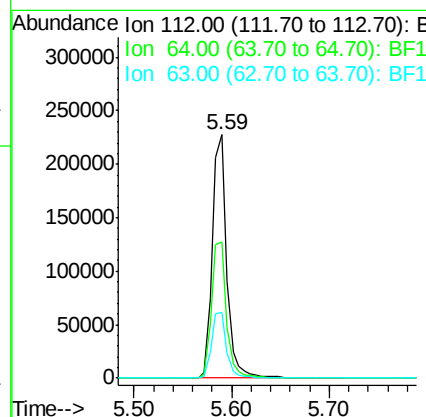
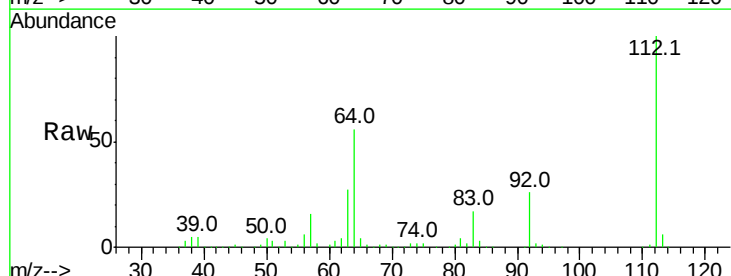
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#5

2-Fluorophenol
Concen: 93.426 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	26.8	23.7	35.5





#7

Phenol-d6

Concen: 92.775 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107224.D

Acq: 9 Jul 2018 13:14

Instrument :

BNA_F

ClientSampleId :

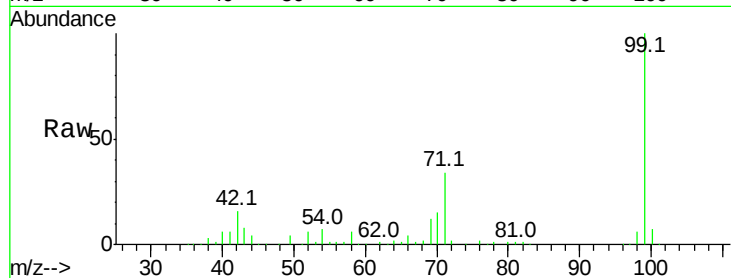
SURCHARGE-SP-21

Tot Ion:	99	Resp:	290144
Ion Ratio	Lower	Upper	
99	100		
42	16.4	14.5	21.7
71	33.8	25.4	38.0

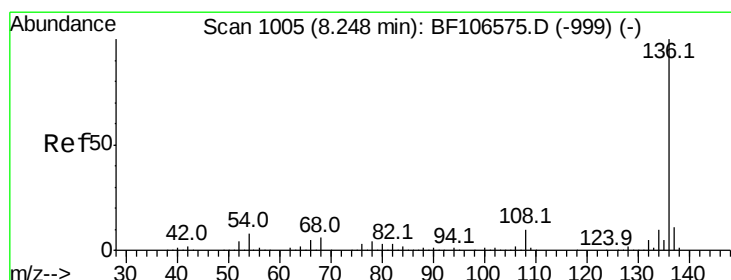
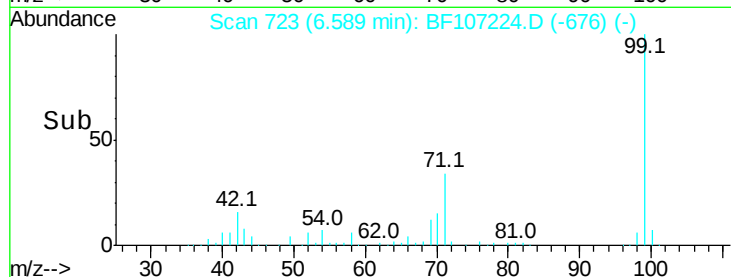
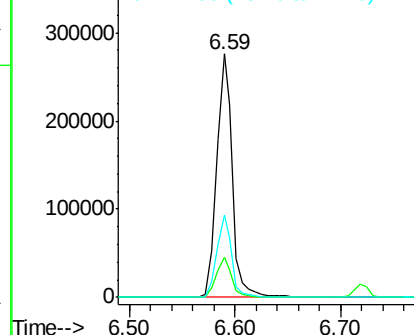
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1001

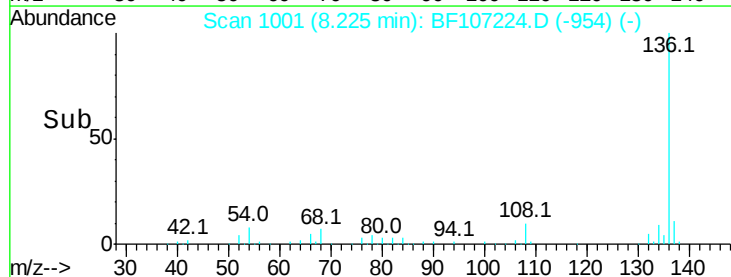
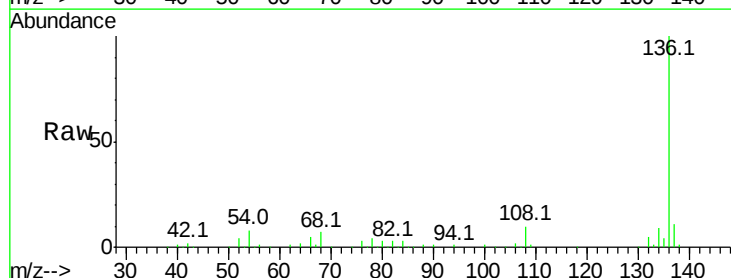
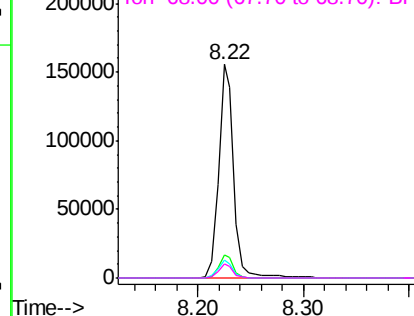
Delta R.T. -0.02 min

Lab File: BF107224.D

Acq: 9 Jul 2018 13:14

Tgt Ion:	136	Resp:	156495
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.2	6.6	9.8
68	6.5	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





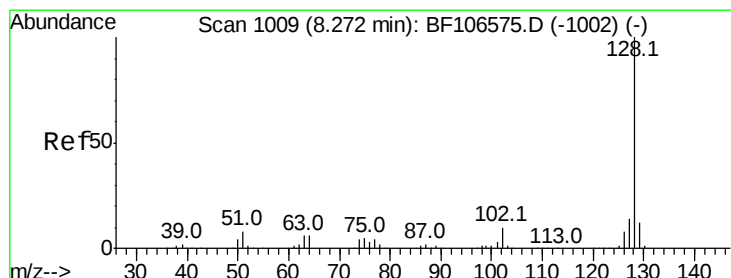
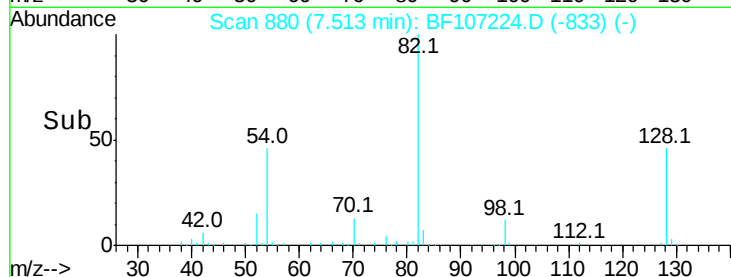
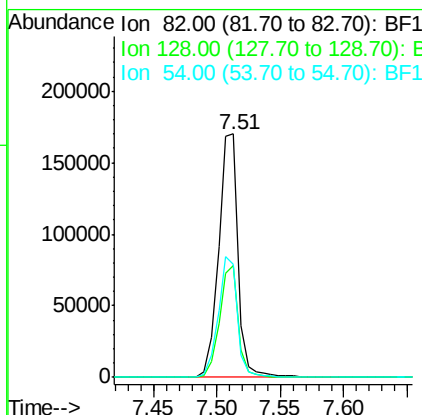
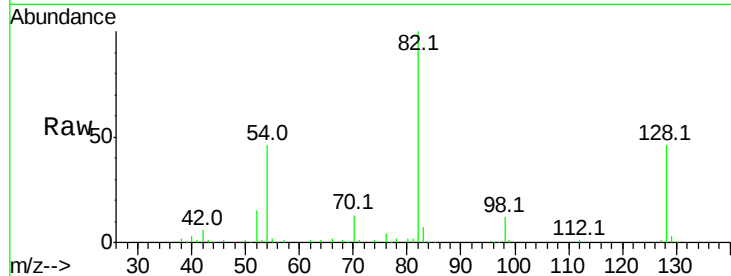
#23
Nitrobenzene-d5
Concen: 65.125 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	46.2	41.4	62.2

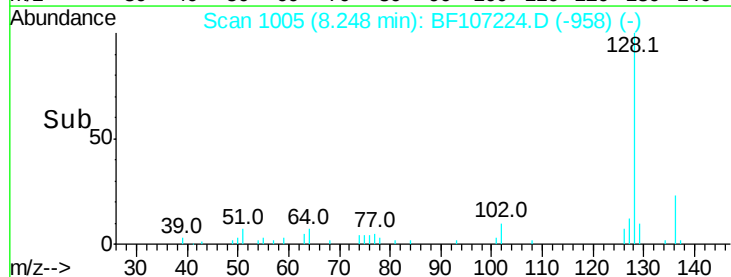
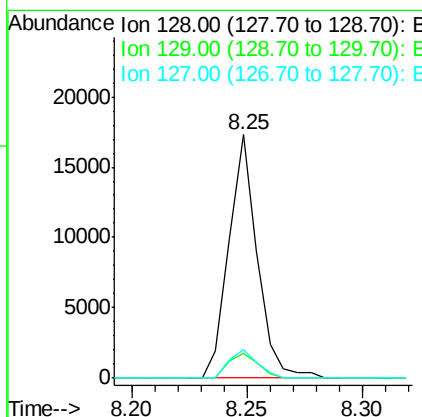
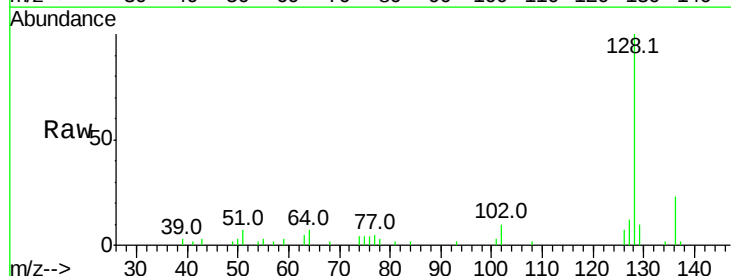
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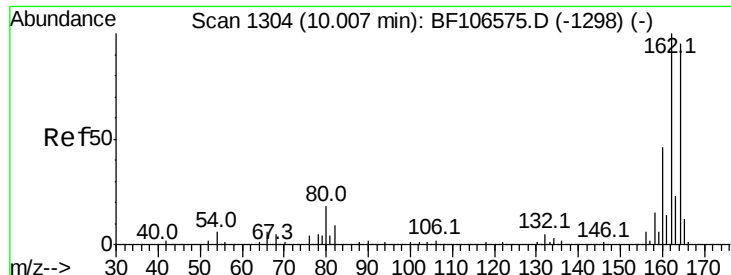
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#31
Naphthalene
Concen: 2.026 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.8	13.2
127	11.8	10.9	16.3





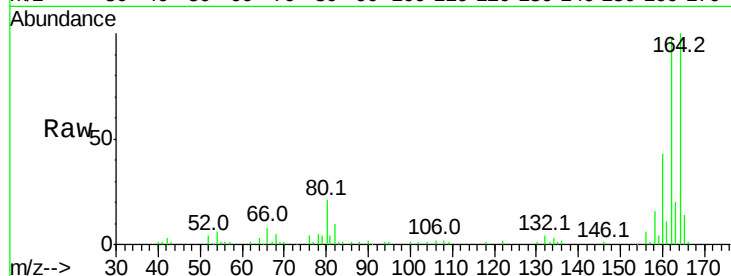
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

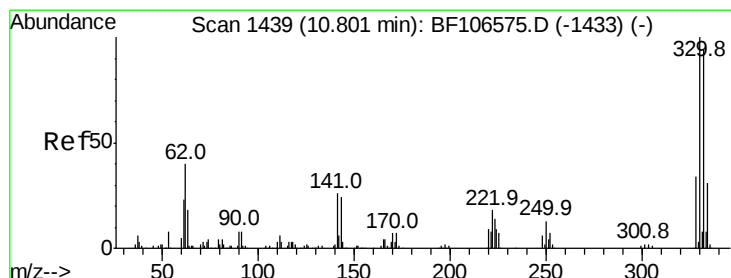
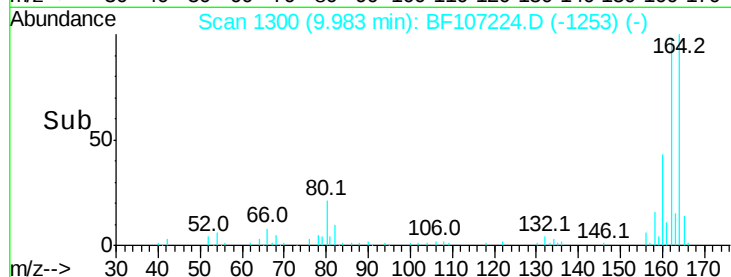
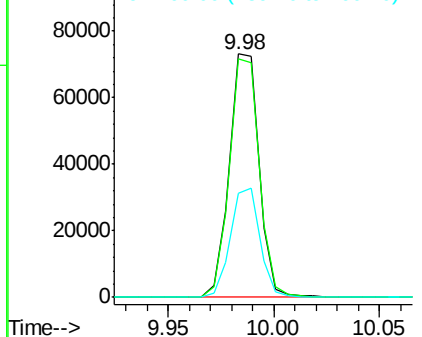
Tot Ion	Ratio	Lower	Upper
164	100		
162	97.8	86.1	129.1
160	42.9	38.3	57.5

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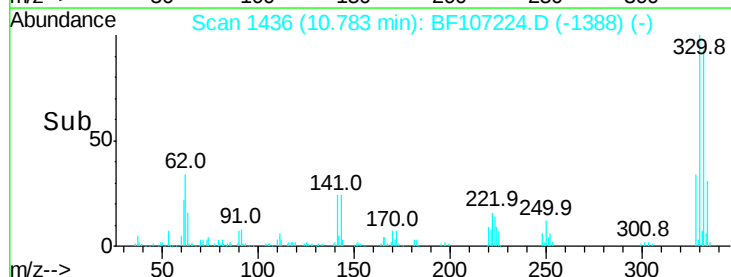
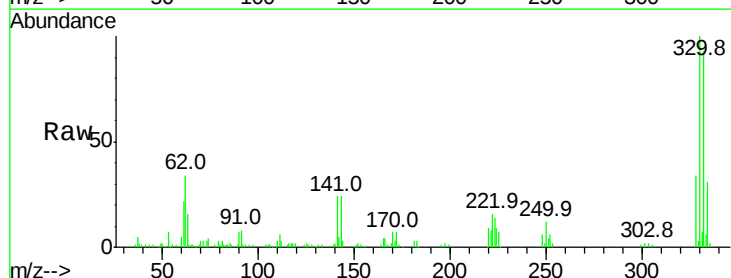
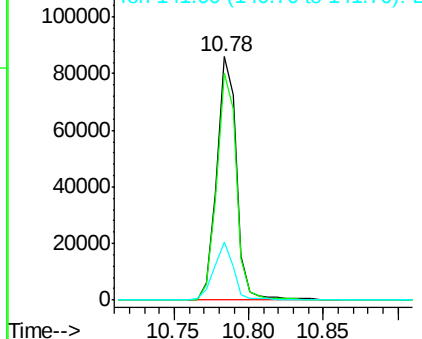
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 97.550 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.0	115.6
141	23.3	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





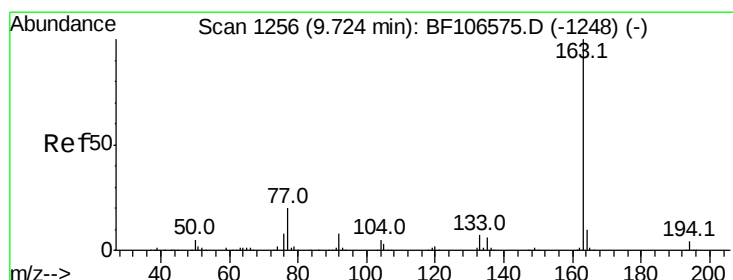
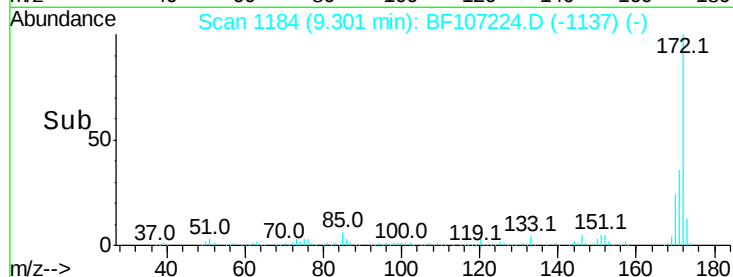
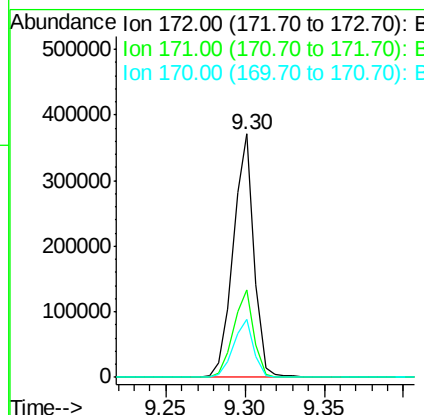
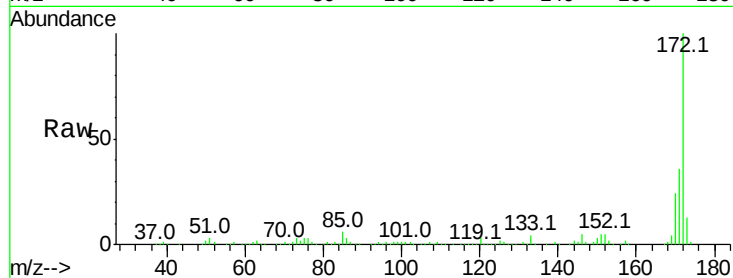
#44
2-Fluorobiphenyl
Concen: 79.301 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

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

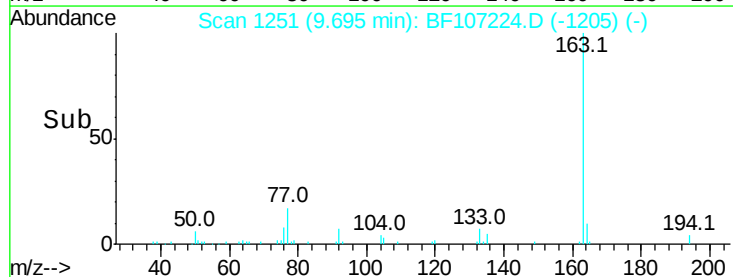
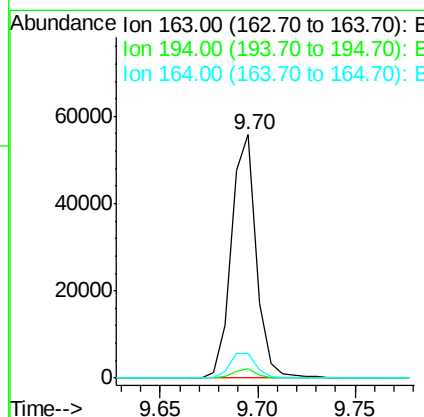
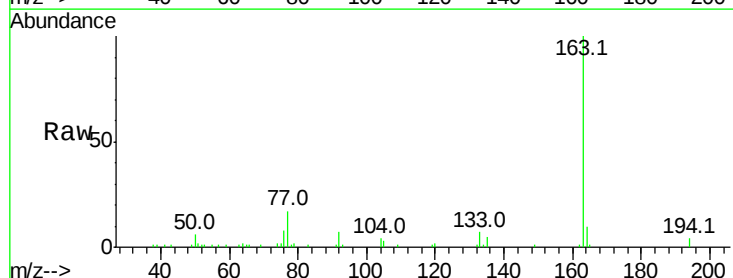
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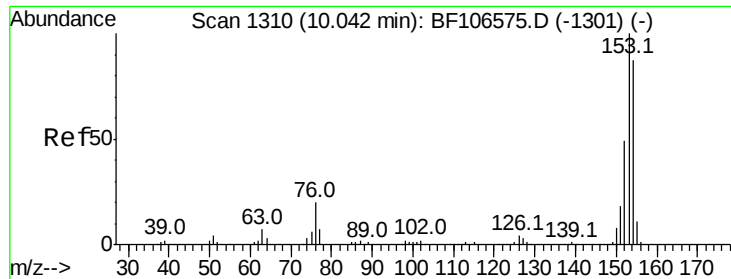
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#49
Dimethylphthalate
Concen: 9.318 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.0	2.7	4.1	
164	10.3	8.2	12.2	





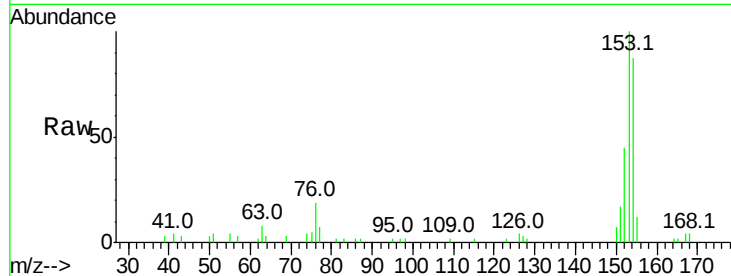
#51
Acenaphthene
Concen: 2.464 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

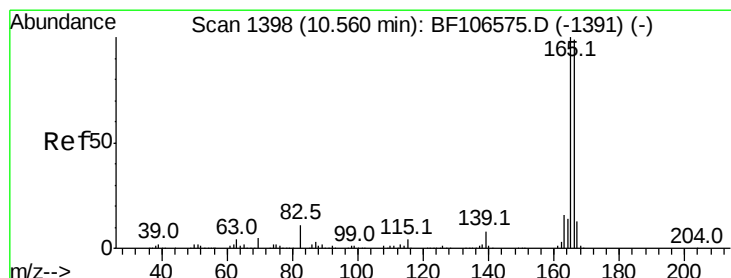
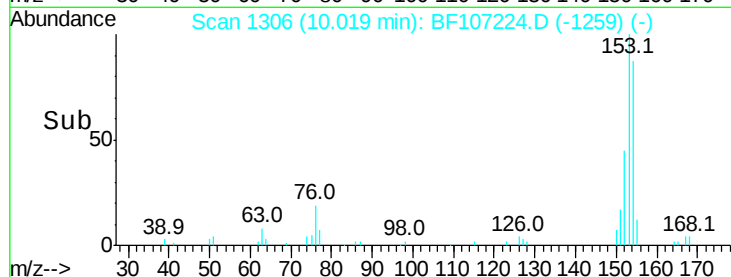
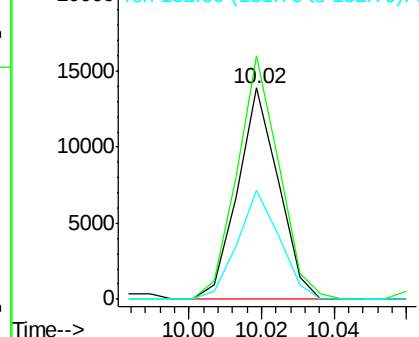
Tot Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.2	136.8
152	51.6	43.8	65.8

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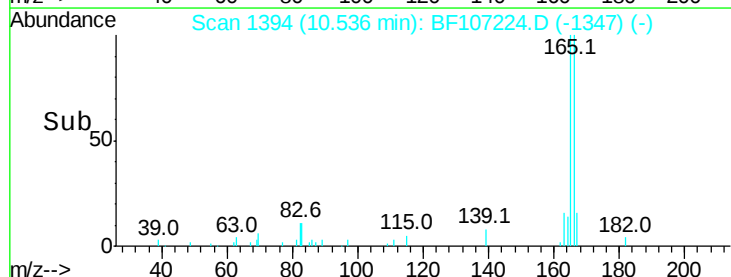
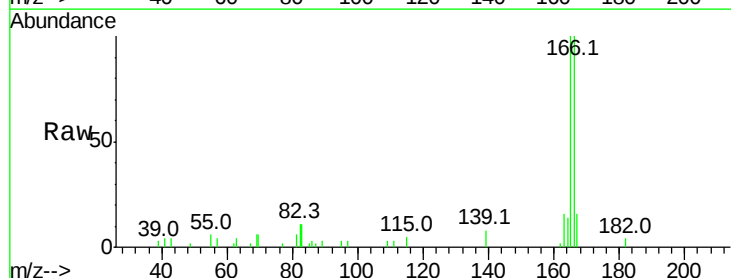
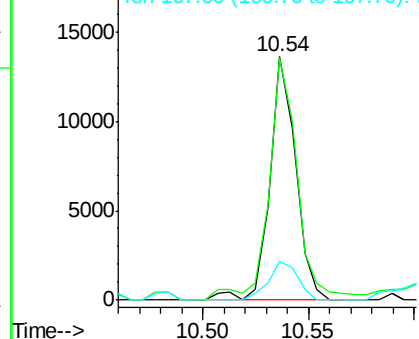
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

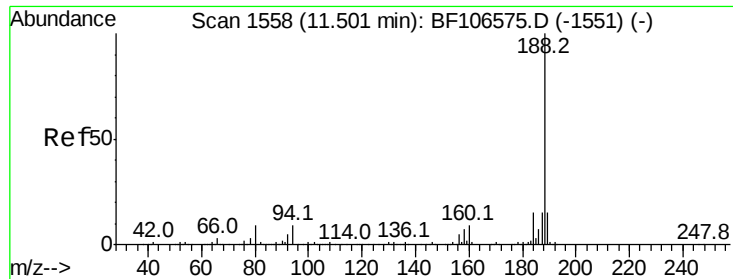


#57
Fluorene
Concen: 2.431 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.02 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.8	119.8
167	16.1	10.6	16.0#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





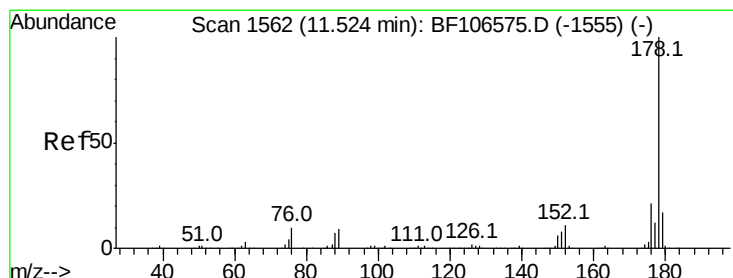
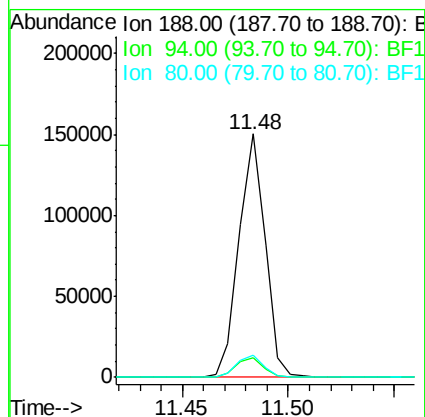
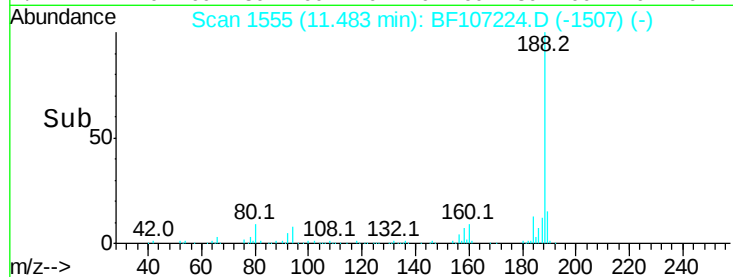
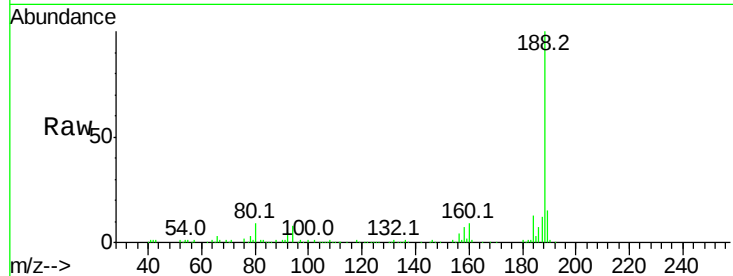
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF107224.D
 Acq: 9 Jul 2018 13:14

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-21

Tot Ion:	188	Resp:	128652
Ion Ratio	Lower	Upper	
188	100		
94	8.2	8.5	12.7#
80	9.2	9.2	13.8

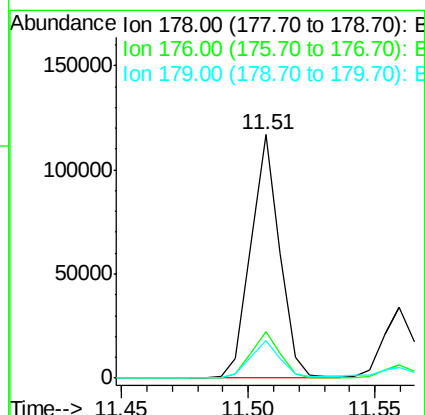
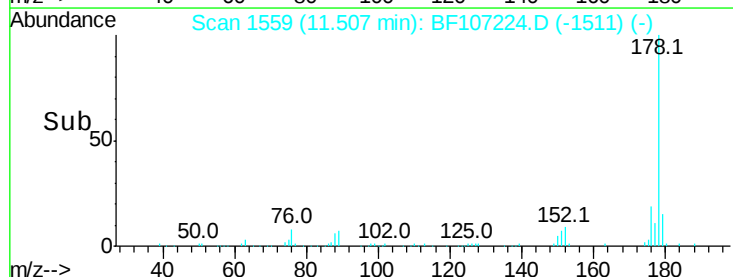
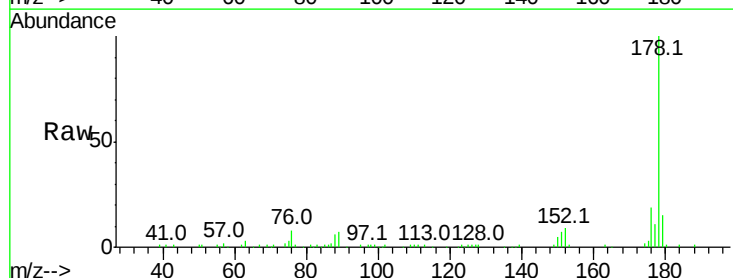
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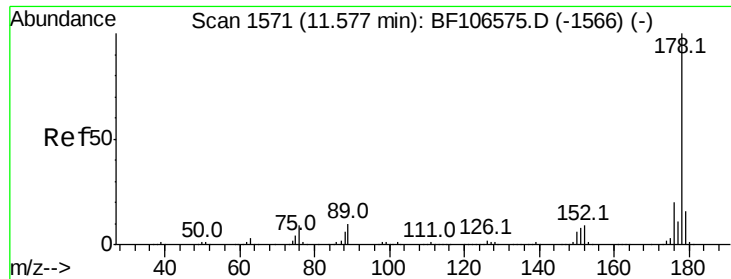
Sohil
 7/10/2018 2:46:09 PM



#70
 Phenanthrene
 Concen: 14.988 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF107224.D
 Acq: 9 Jul 2018 13:14

Tgt Ion:	178	Resp:	93004
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	15.3	13.0	19.6





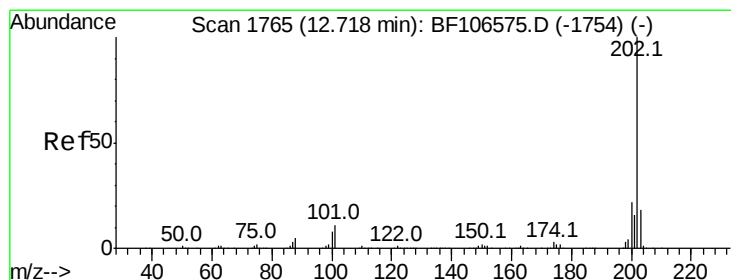
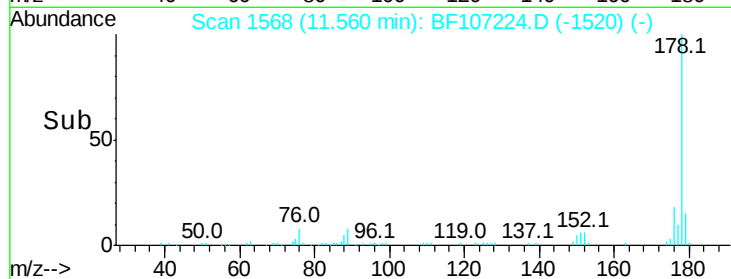
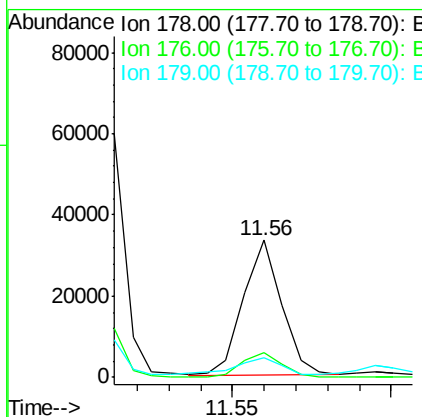
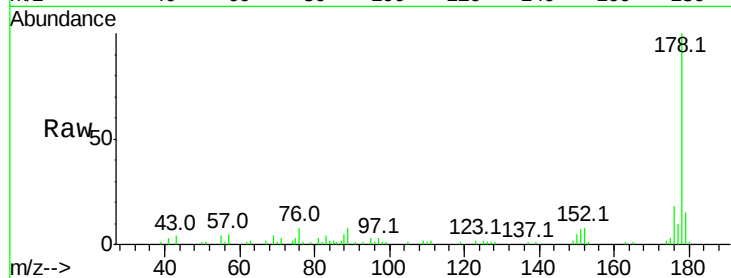
#71
 Anthracene
 Concen: 4.397 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF107224.D
 Acq: 9 Jul 2018 13:14

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-21

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	14.8	12.6	19.0

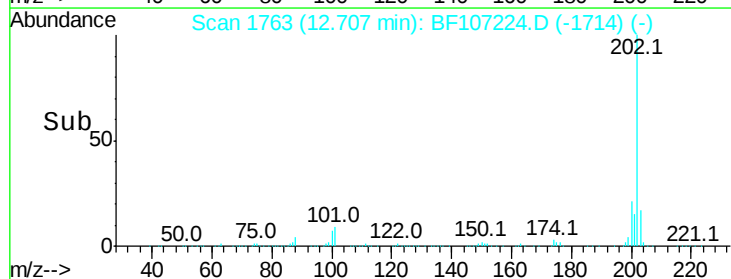
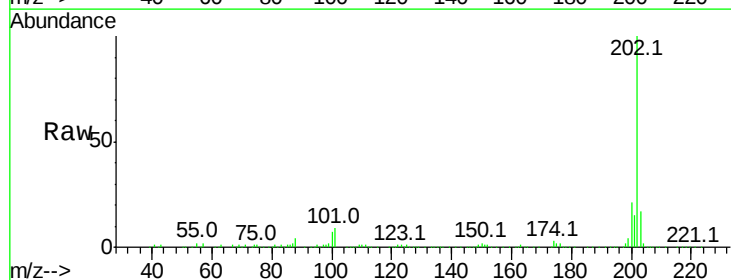
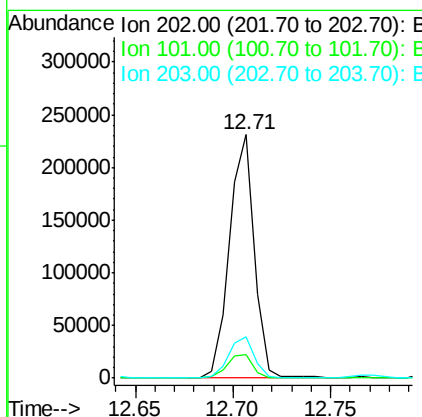
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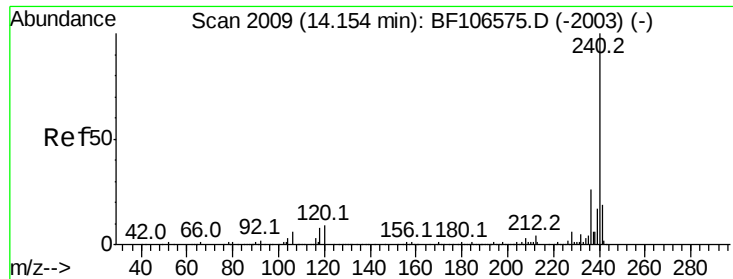
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#74
 Fluoranthene
 Concen: 29.900 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107224.D
 Acq: 9 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	34.1
203	16.9	0.0	38.1





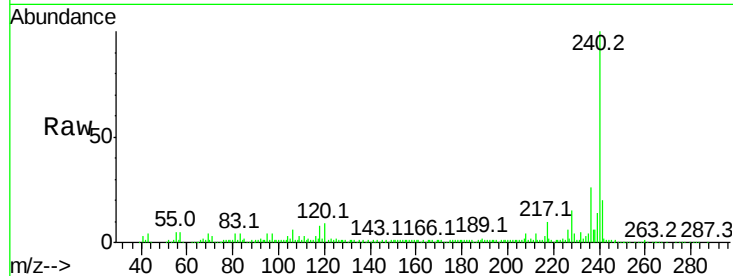
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

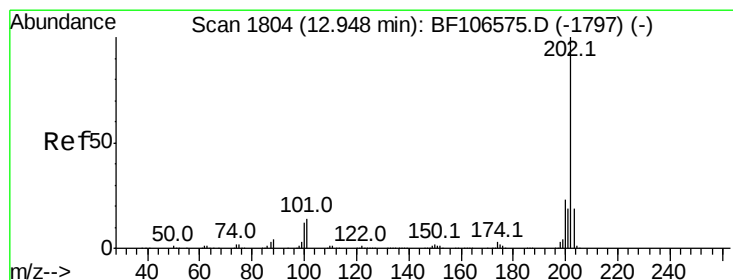
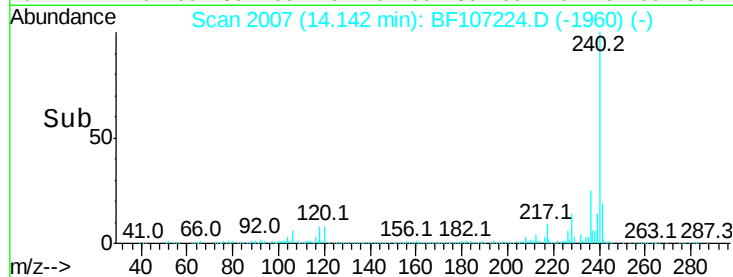
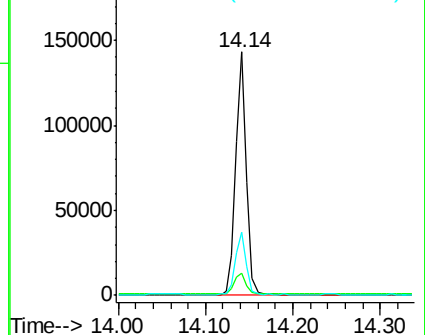
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.5	14.3
236	25.7	20.7	31.1

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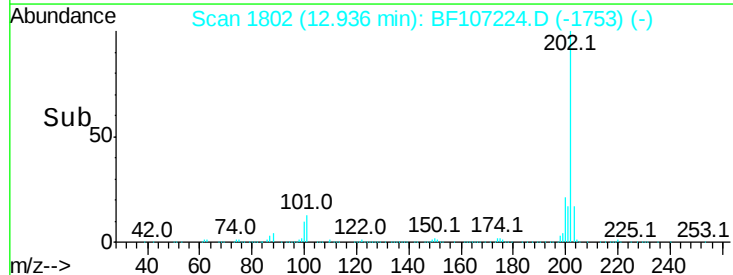
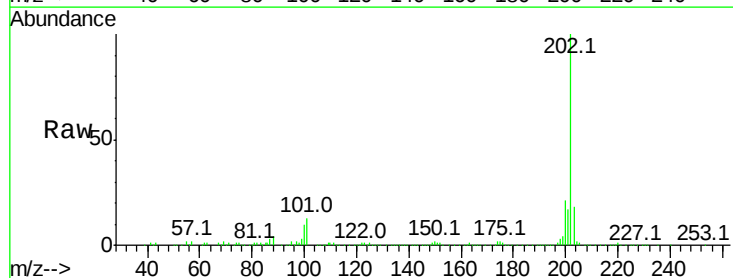
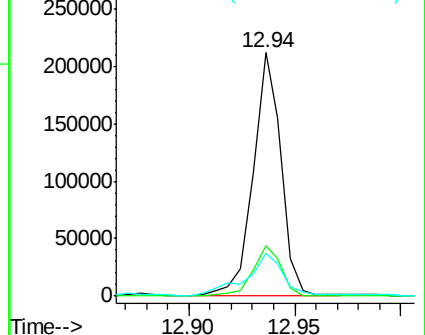
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

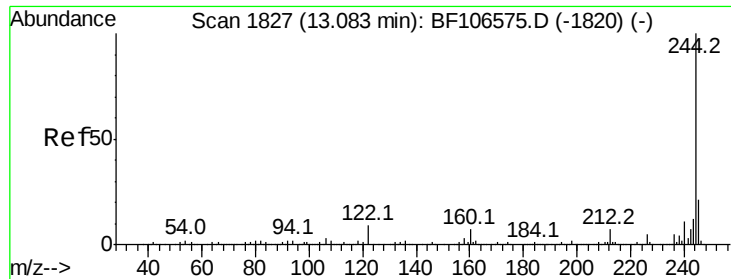


#77
Pyrene
Concen: 23.783 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.6	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





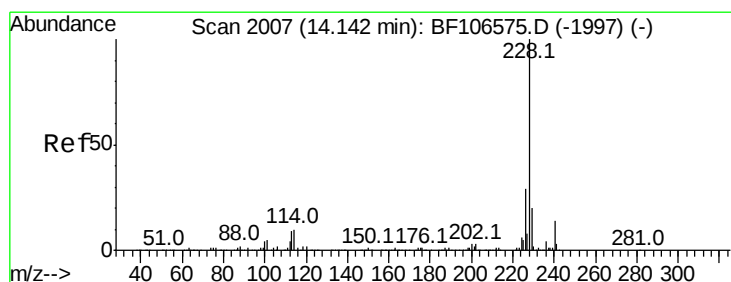
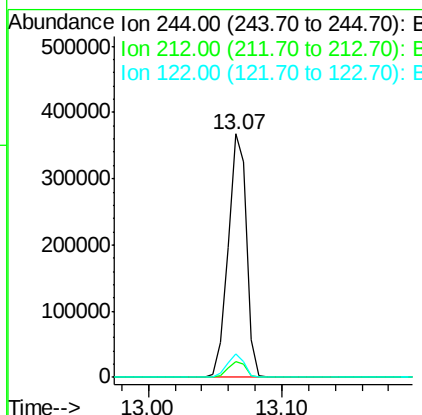
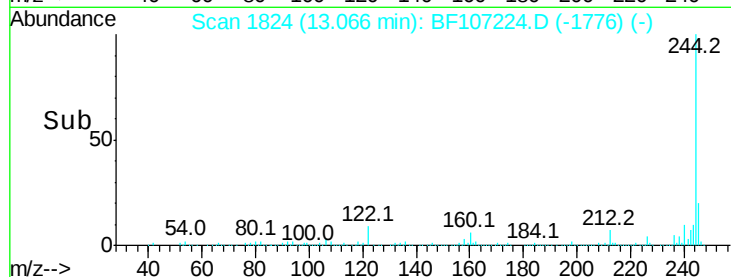
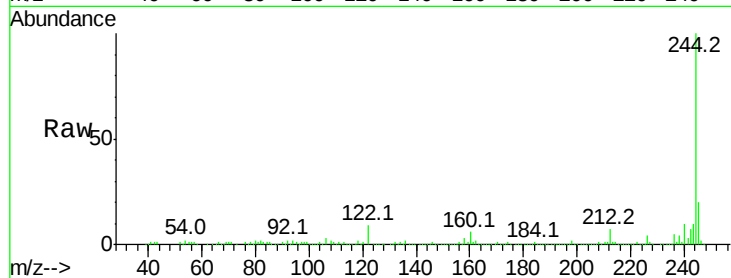
#78
 Terphenyl-d14
 Concen: 70.390 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107224.D
 Acq: 9 Jul 2018 13:14

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-21

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.4	11.0	16.4

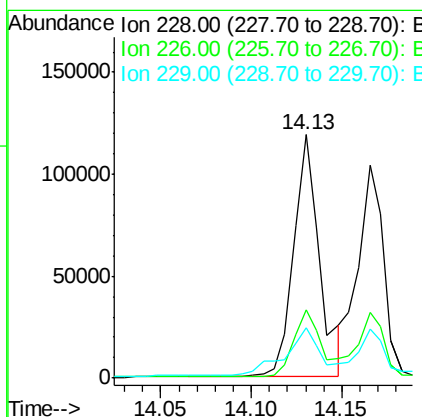
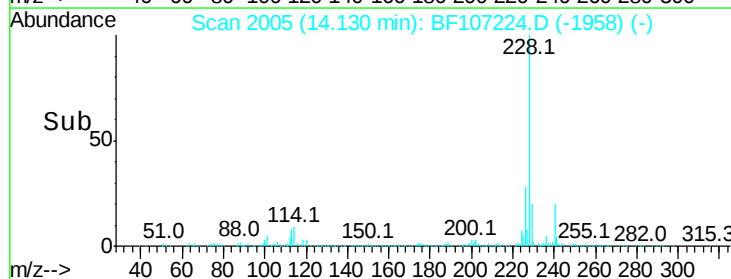
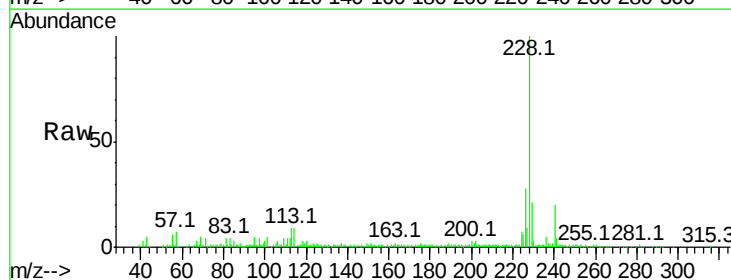
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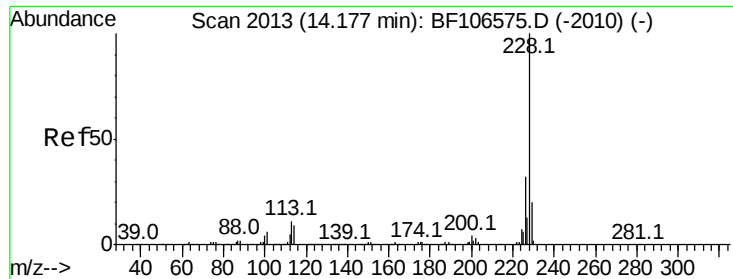
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#80
 Benzo(a)anthracene
 Concen: 15.980 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107224.D
 Acq: 9 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.7	15.8	23.6





#82

Chrysene

Concen: 14.964 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107224.D

Acq: 9 Jul 2018 13:14

Instrument :

BNA_F

ClientSampleId :

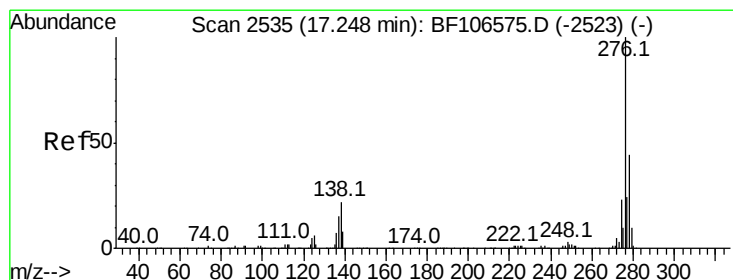
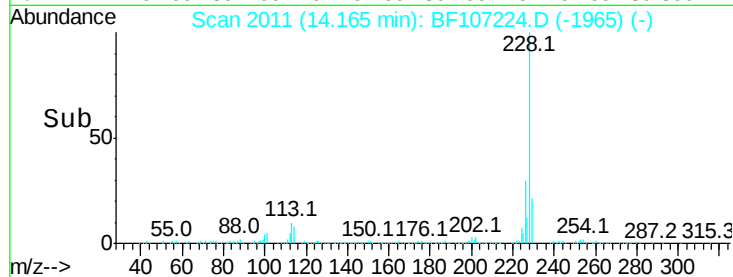
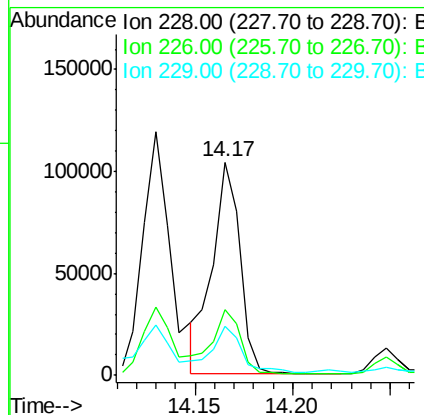
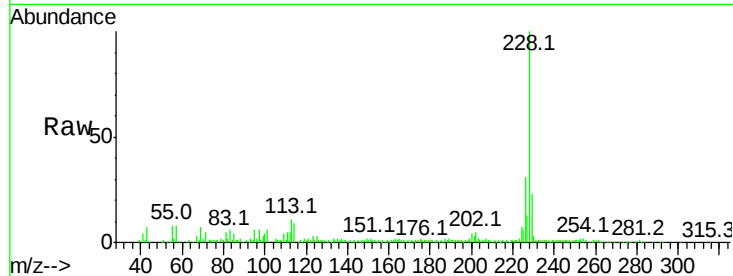
SURCHARGE-SP-21

Tot Ion:	228	Resp:	103273
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	22.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.988 ng m

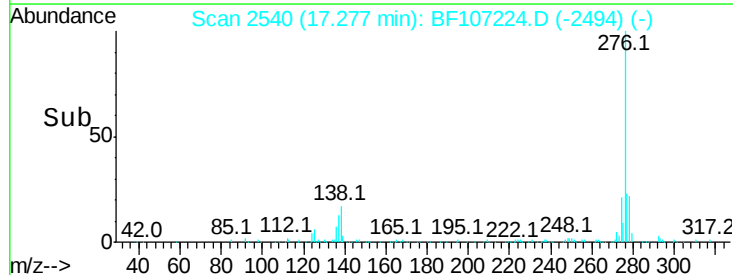
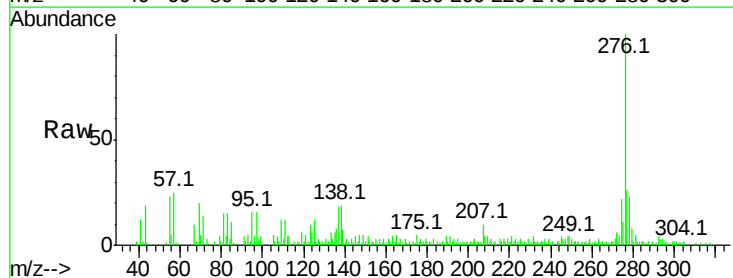
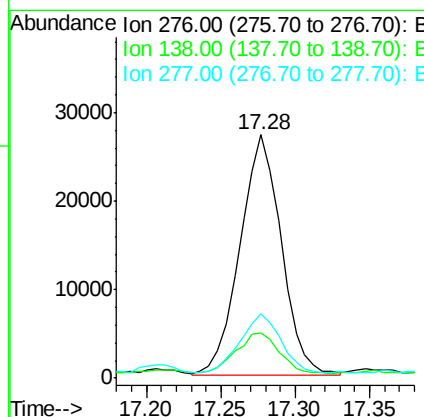
RT: 17.28 min Scan# 2540

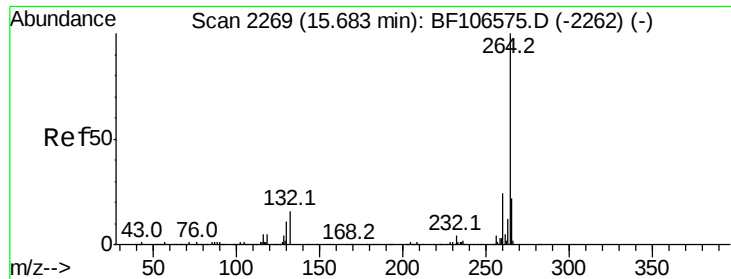
Delta R.T. -0.03 min

Lab File: BF107224.D

Acq: 9 Jul 2018 13:14

Tgt Ion:	276	Resp:	52639
Ion Ratio	Lower	Upper	
276	100		
138	1.3	25.0	37.6#
277	1.0	20.1	30.1#





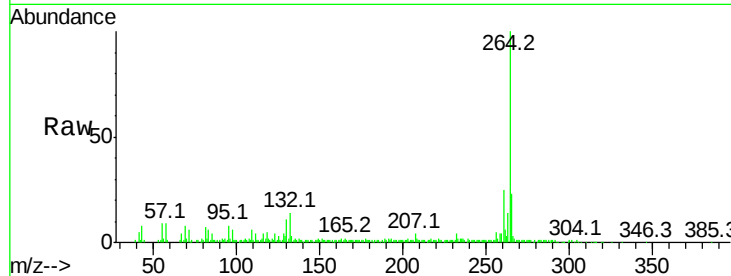
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	22.5	17.5	26.3

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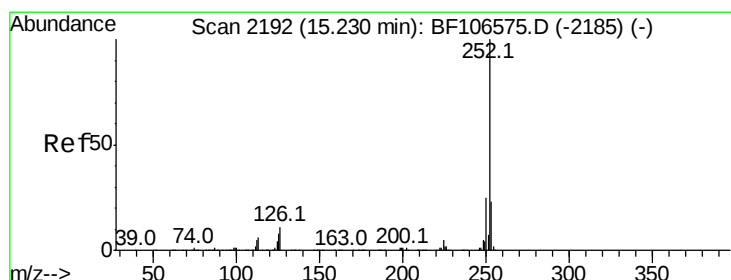
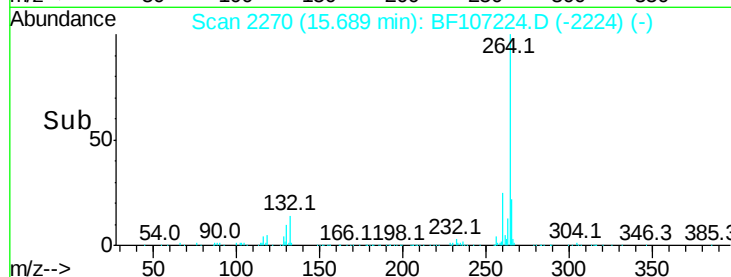
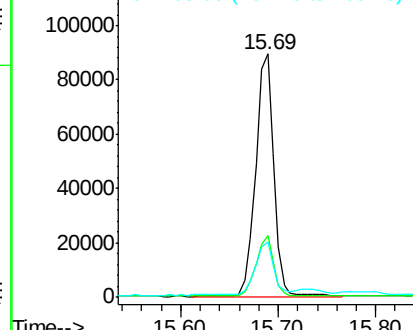


Abundance

Ion 264.00 (263.70 to 264.70): E

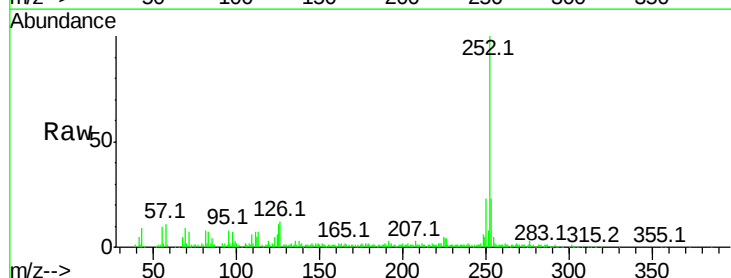
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 19.132 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	11.4	9.0	13.6

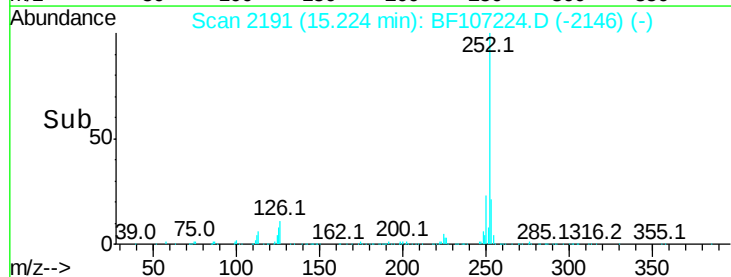
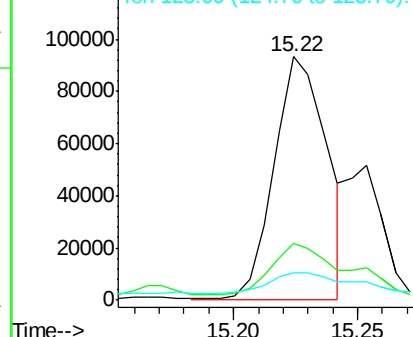


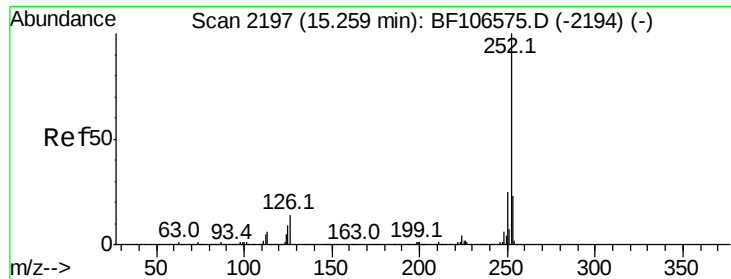
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 7.741 ng

RT: 15.25 min Scan# 2196

Delta R.T. -0.04 min

Lab File: BF107224.D

Acq: 9 Jul 2018 13:14

Instrument :

BNA_F

ClientSampleId :

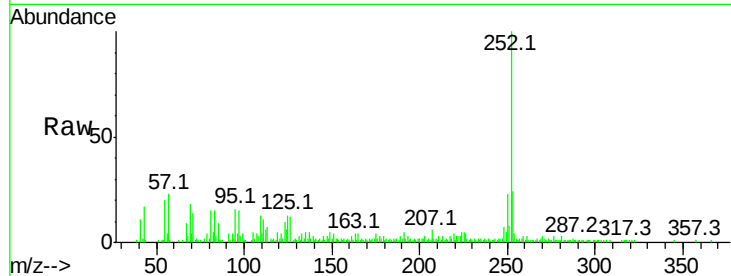
SURCHARGE-SP-21

Tot Ion:	252	Resp:	53593
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	13.4	10.2	15.2

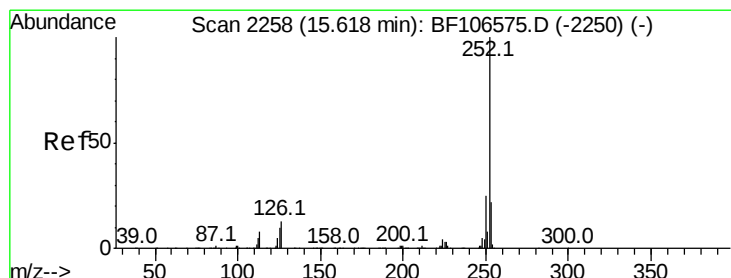
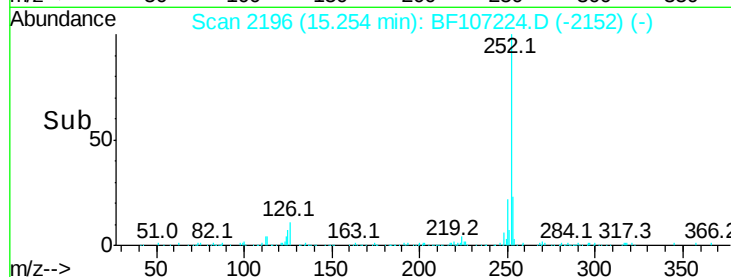
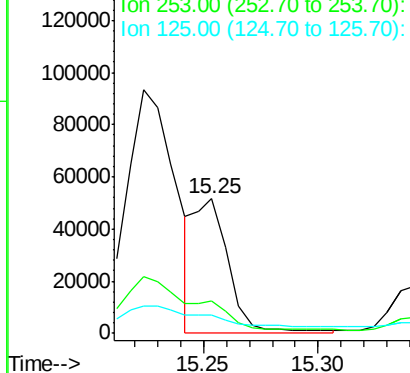
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 14.875 ng

RT: 15.62 min Scan# 2258

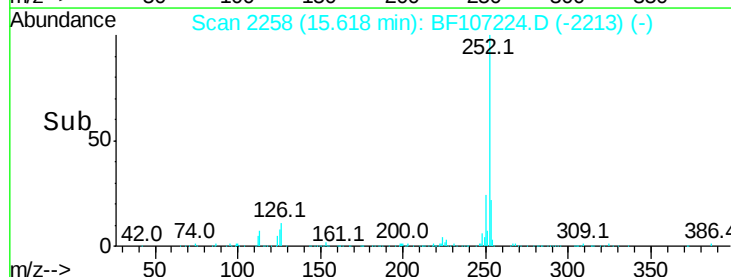
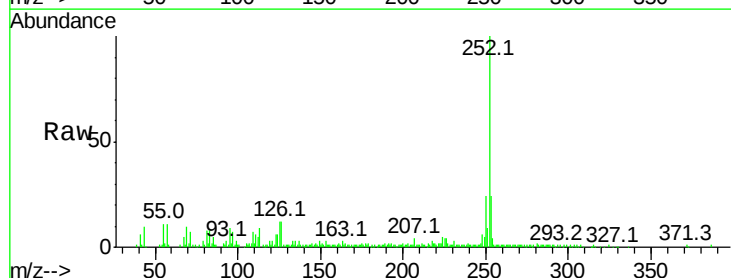
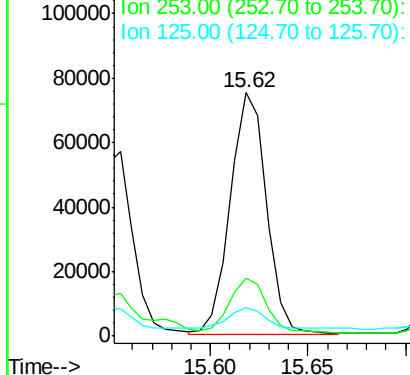
Delta R.T. -0.04 min

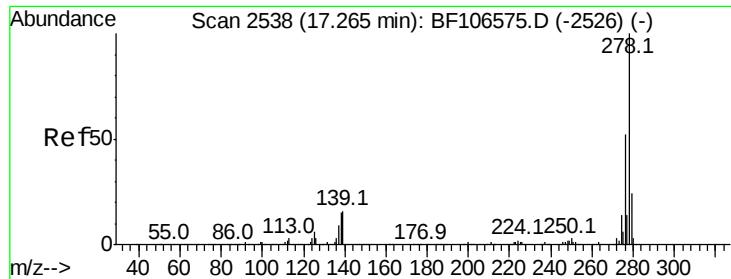
Lab File: BF107224.D

Acq: 9 Jul 2018 13:14

Tgt Ion:	252	Resp:	96139
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	11.7	9.8	14.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90
Dibenzo(a,h)anthracene
Concen: 2.626 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.05 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

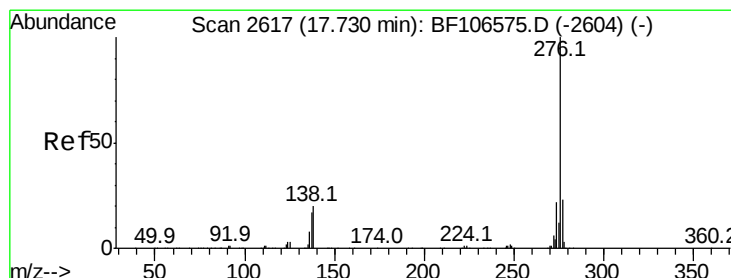
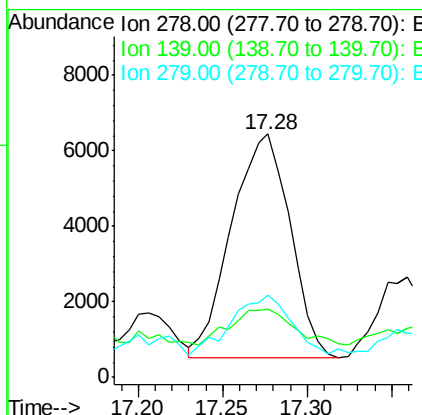
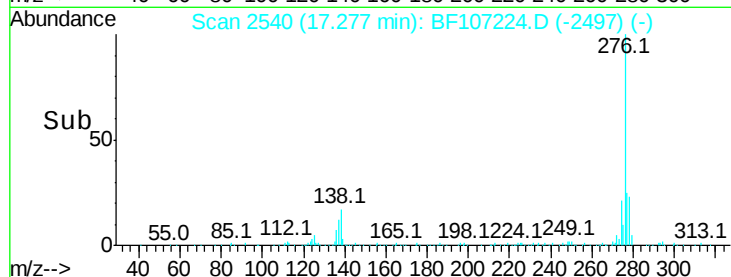
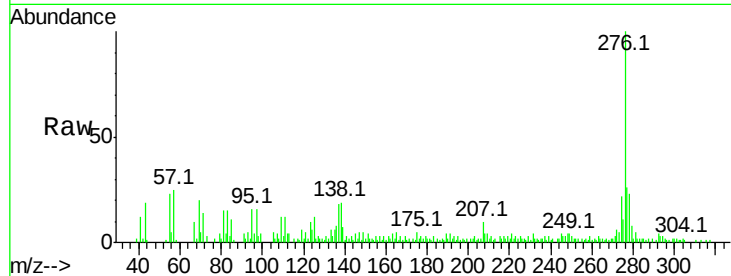
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

Tot Ion:278 Resp: 14382
Ion Ratio Lower Upper

278 100
139 28.2 15.9 23.9#
279 33.8 19.0 28.4#

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#91
Benzo(g,h,i)perylene
Concen: 9.013 ng
RT: 17.77 min Scan# 2624
Delta R.T. -0.02 min
Lab File: BF107224.D
Acq: 9 Jul 2018 13:14

Tgt Ion:276 Resp: 48253
Ion Ratio Lower Upper

276 100
277 25.5 17.9 26.9
138 19.8 21.8 32.8#

