

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
 Data File : BF107208.D
 Acq On : 7 Jul 2018 16:01
 Operator : JU/SJ
 Sample : J3879-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-1

Manual Integrations
 APPROVED

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 7/9/2018 2:06:29 PM

Quant Time: Jul 09 04:26:10 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	6.95	152	42502	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	144116	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	62632	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	124587	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	115568	20.00	ng	-0.02
86) Perylene-d12	15.68	264	85062	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	303324	120.85	ng	-0.01
7) Phenol-d6	6.60	99	362129	115.53	ng	-0.02
23) Nitrobenzene-d5	7.51	82	212073	81.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	91567	126.14	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	376015	105.11	ng	-0.02
78) Terphenyl-d14	13.07	244	461540	96.74	ng	-0.02
Target Compounds						
10) Phenol	6.61	94	8008	2.239	ng	Qvalue # 74
49) Dimethylphthalate	9.70	163	99444	21.170	ng	99
70) Phenanthrene	11.51	178	84791	14.110	ng	97
71) Anthracene	11.56	178	30947	5.046	ng	99
74) Fluoranthene	12.71	202	195332	29.492	ng	95
77) Pyrene	12.94	202	189050	24.807	ng	99
80) Benzo(a)anthracene	14.13	228	102111m	14.497	ng	
82) Chrysene	14.17	228	102741m	15.855	ng	
85) Indeno(1,2,3-cd)pyrene	17.27	276	42572	7.742	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	104235m	19.727	ng	
88) Benzo(k)fluoranthene	15.25	252	35653m	7.085	ng	
89) Benzo(a)pyrene	15.62	252	69691	14.836	ng	97
90) Dibenzo(a,h)anthracene	17.27	278	11757	2.953	ng	# 76
91) Benzo(g,h,i)perylene	17.76	276	42377	10.891	ng	# 86

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

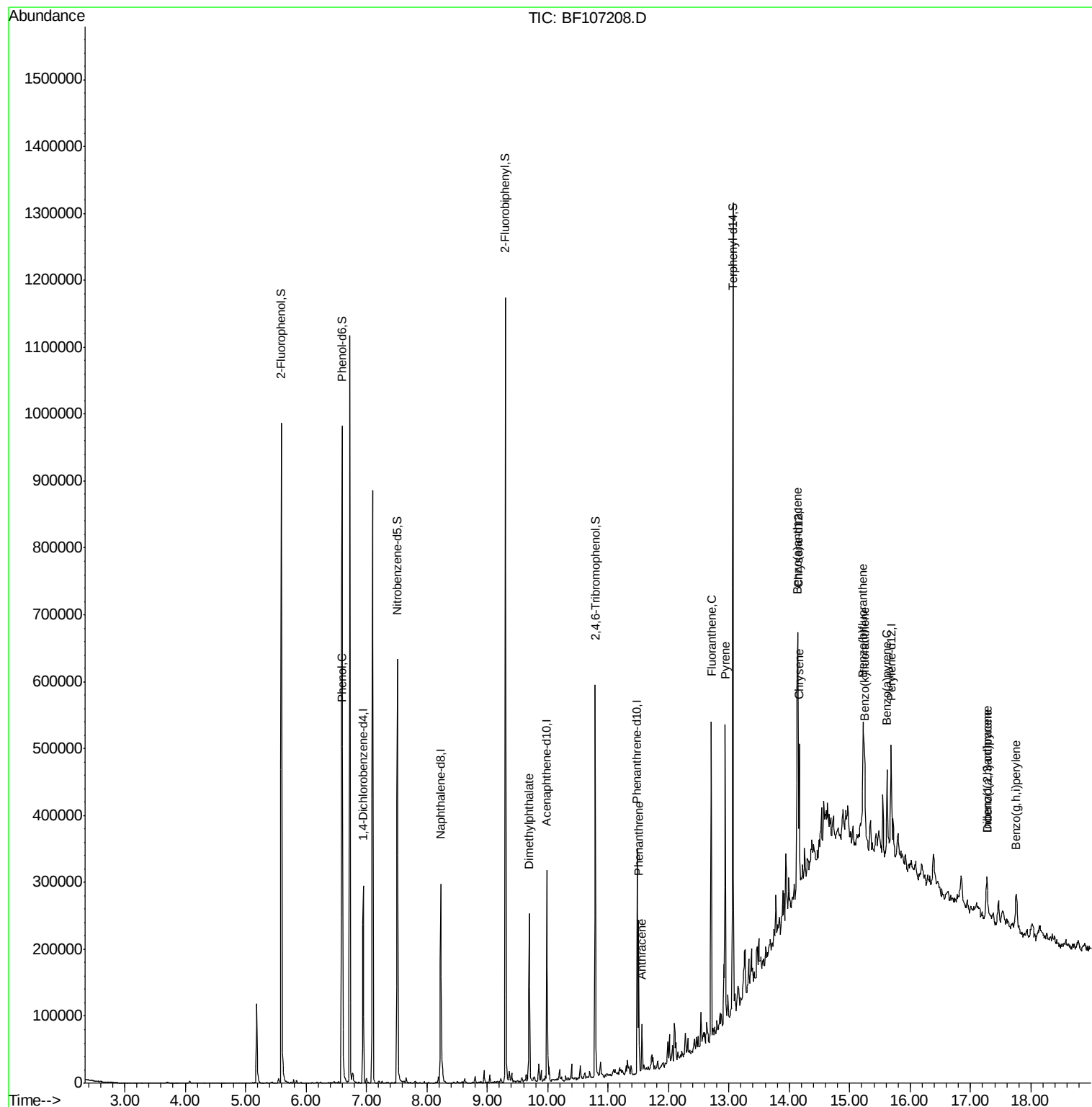
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
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#1

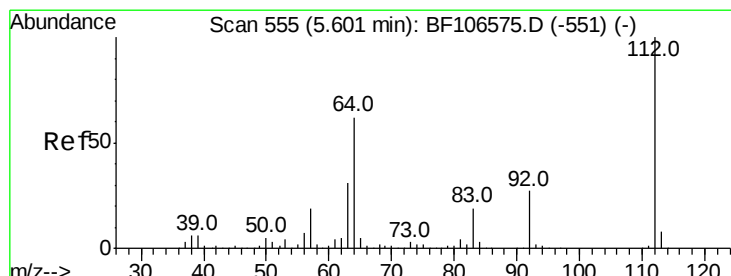
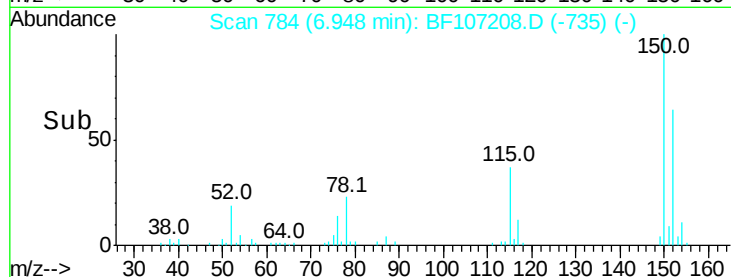
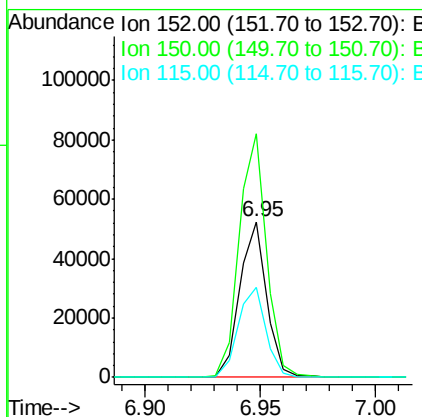
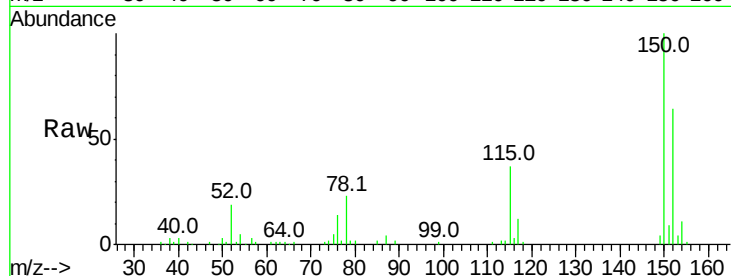
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	58.0	50.1	75.1

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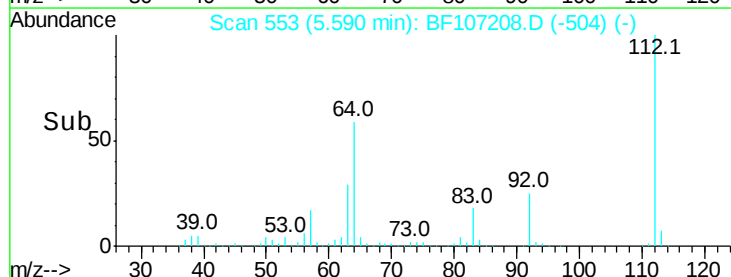
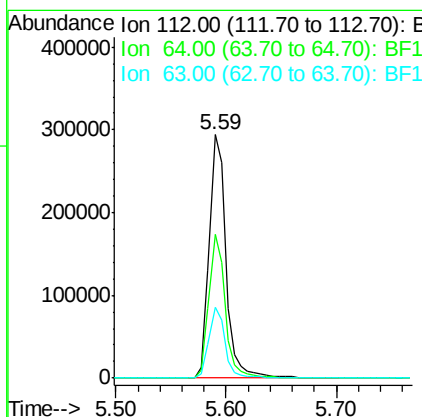
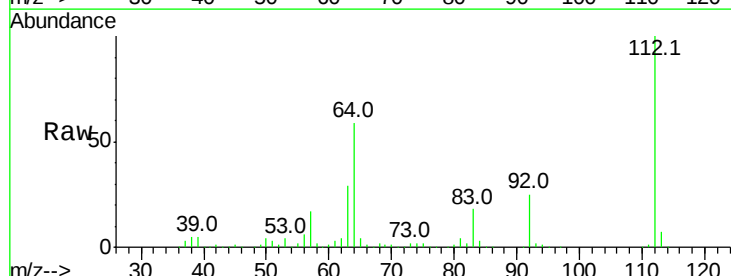
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#5

2-Fluorophenol
Concen: 120.847 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 115.531 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

Instrument :

BNA_F

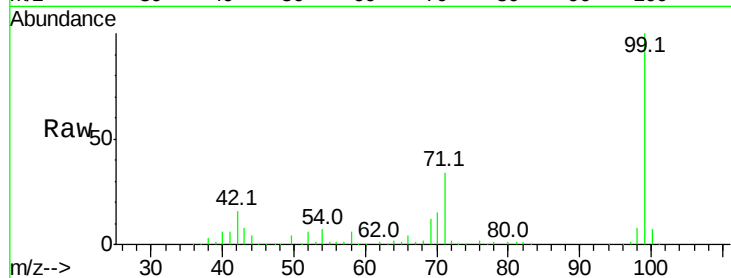
ClientSampleId :

SURCHARGE-SP-1

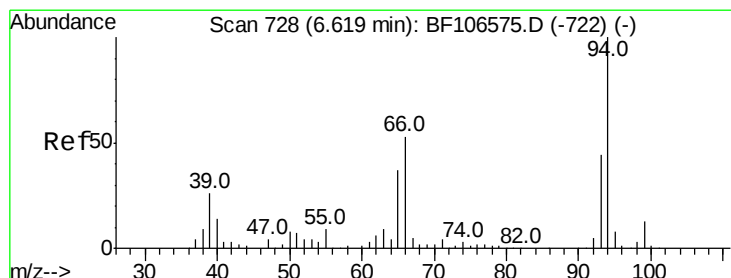
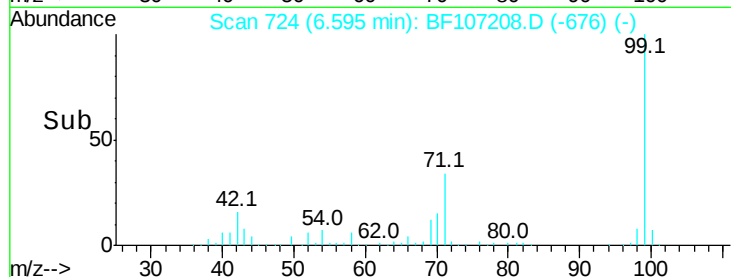
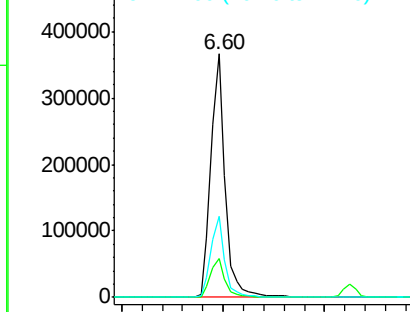
Tot Ion:	99	Resp:	362129
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.5	21.7
71	33.5	25.4	38.0

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



#10

Phenol

Concen: 2.239 ng

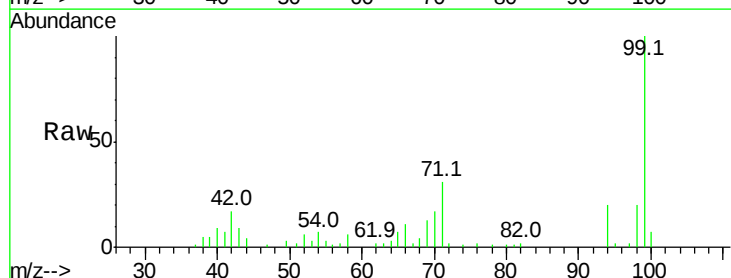
RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

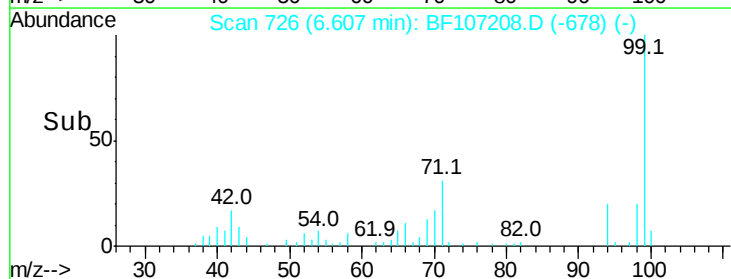
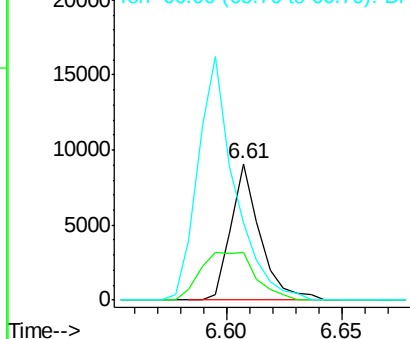
Lab File: BF107208.D

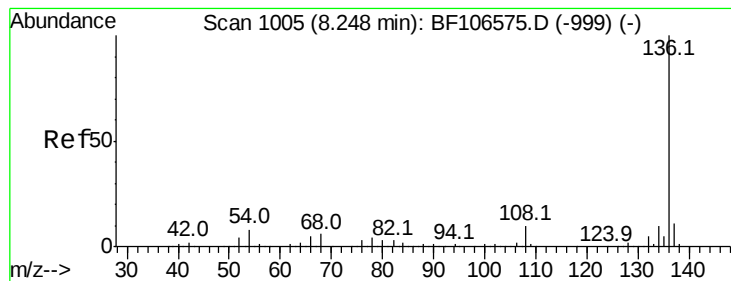
Acq: 7 Jul 2018 16:01

Tgt Ion:	94	Resp:	8008
Ion Ratio	Lower	Upper	
94	100		
65	34.8	7.9	47.9
66	56.9	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





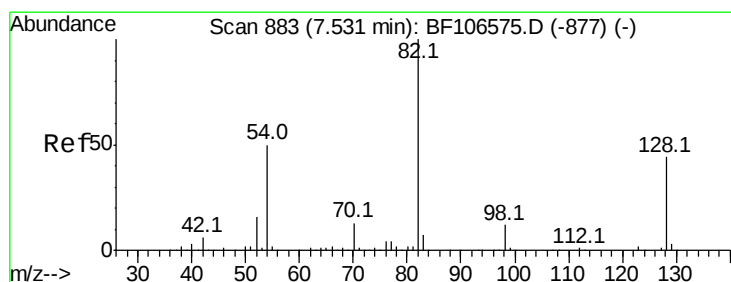
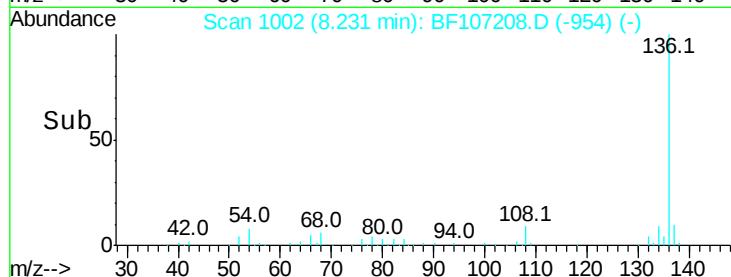
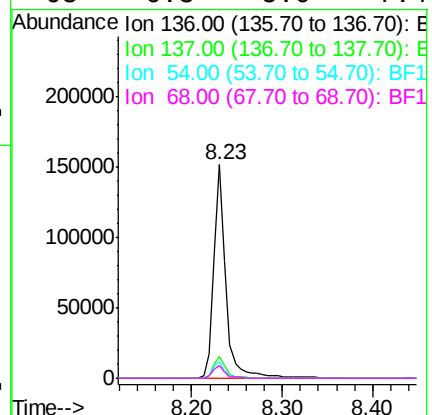
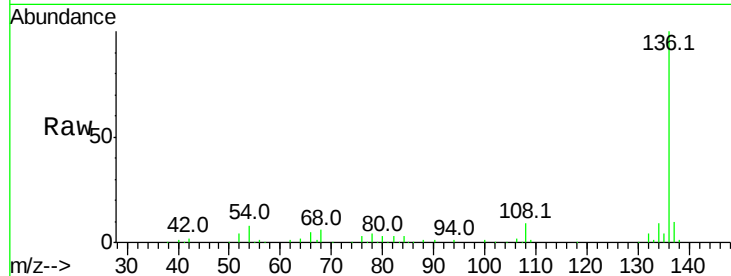
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	144116		
137	10.4		8.9	13.3
54	8.1		6.6	9.8
68	6.3		5.0	7.4

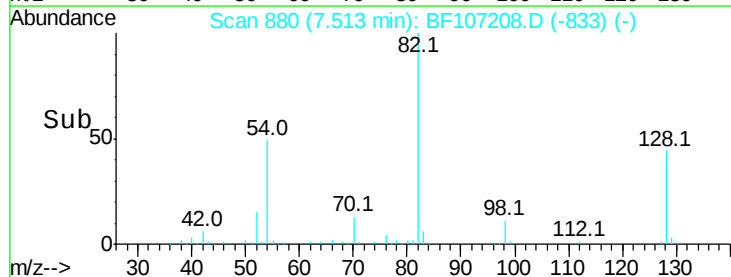
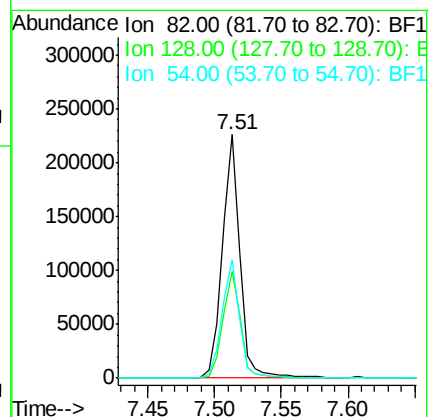
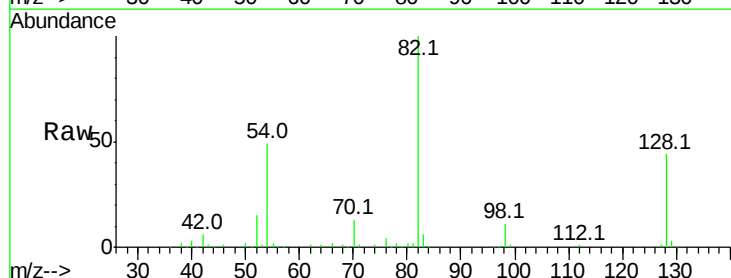
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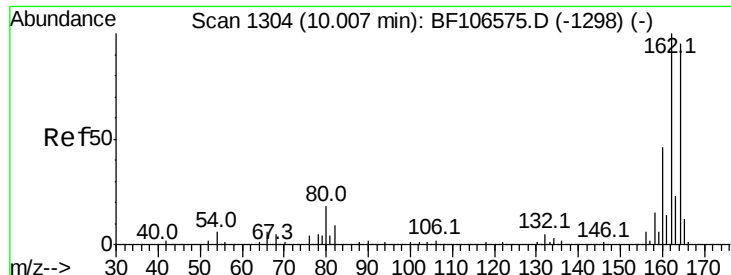
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#23
Nitrobenzene-d5
Concen: 81.779 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	212073		
128	43.7		36.1	54.1
54	48.6		41.4	62.2





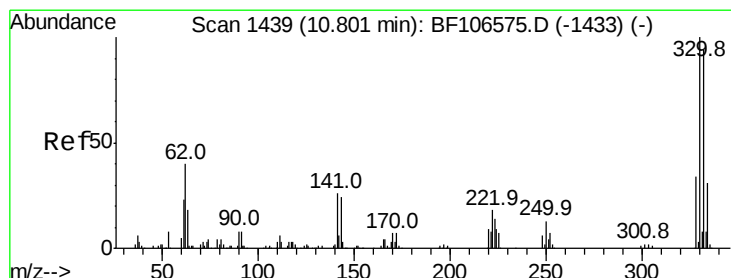
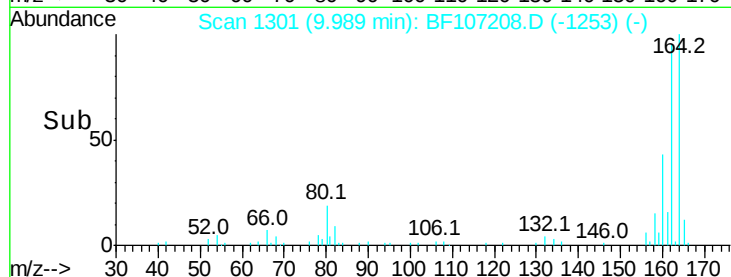
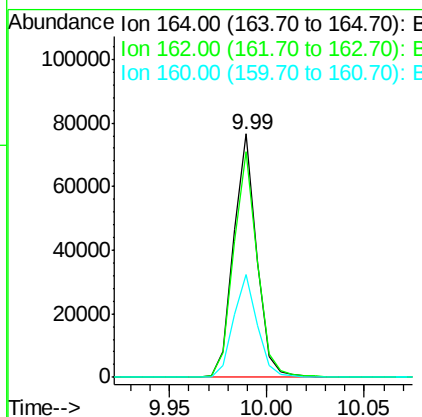
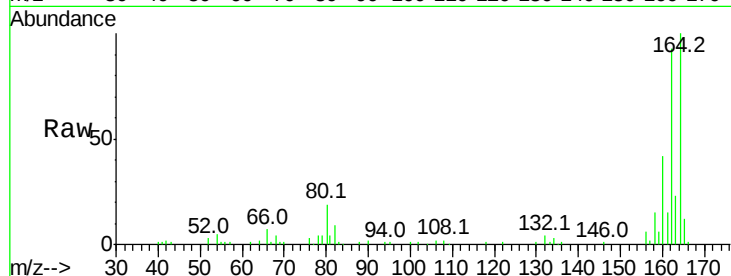
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	92.8	86.1	129.1
160	42.4	38.3	57.5

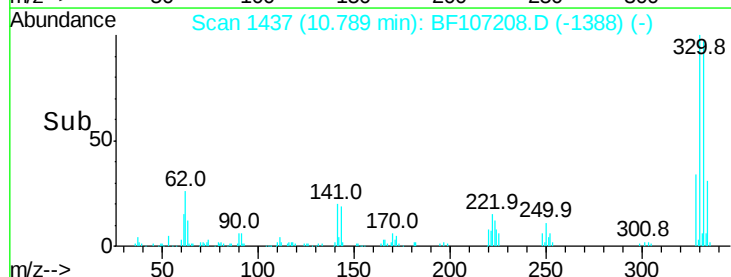
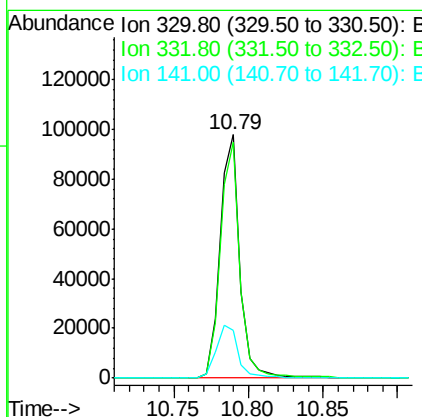
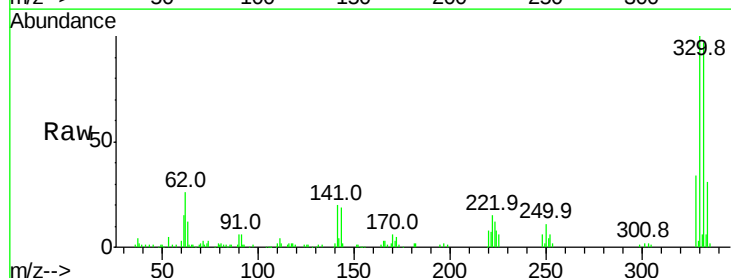
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#41
2,4,6-Tribromophenol
Concen: 126.139 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	23.6	29.9	44.9#





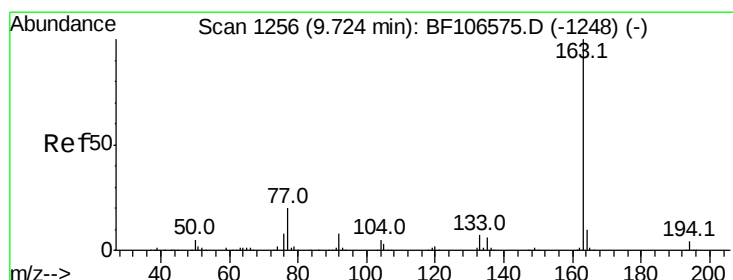
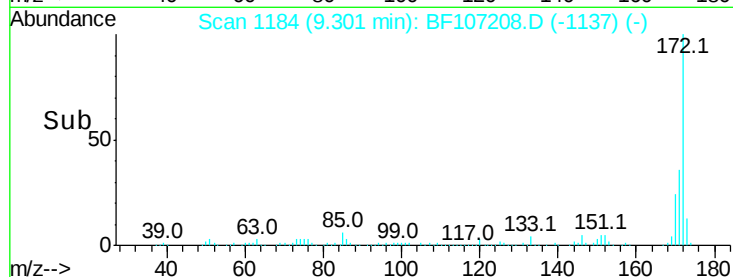
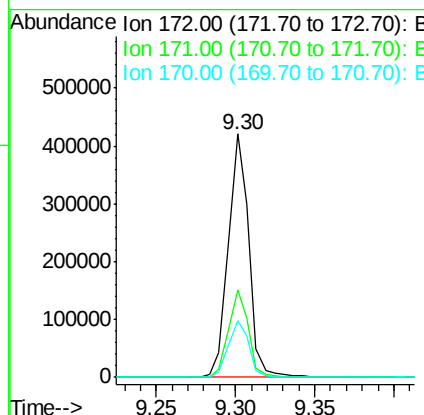
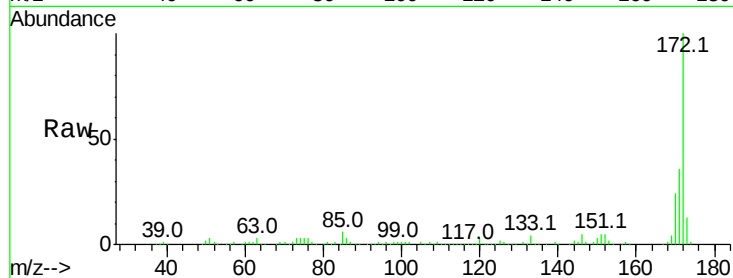
#44
2-Fluorobiphenyl
Concen: 105.107 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.7	44.5	
170	23.5	19.6	29.4	

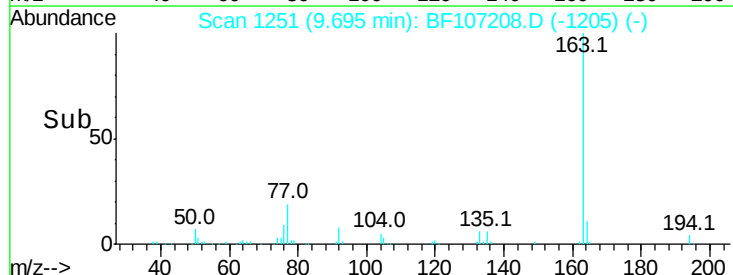
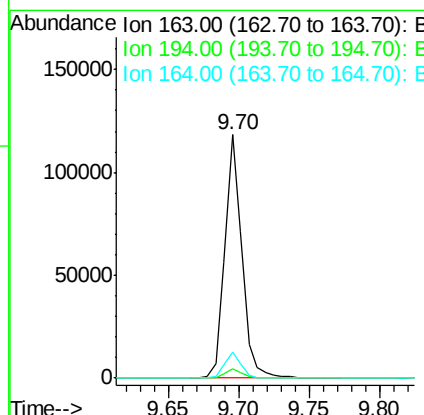
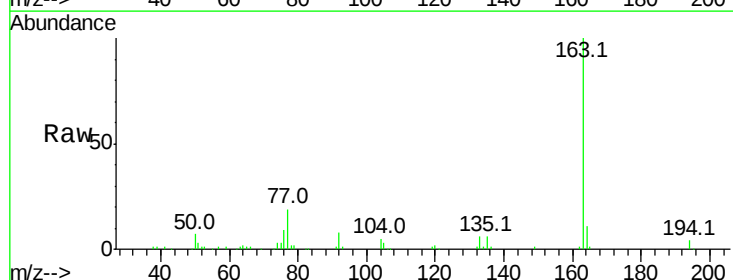
Manual Integrations
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#49
Dimethylphthalate
Concen: 21.170 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	2.7	4.1	
164	10.6	8.2	12.2	





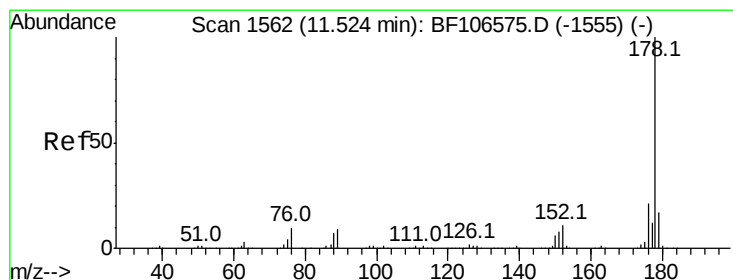
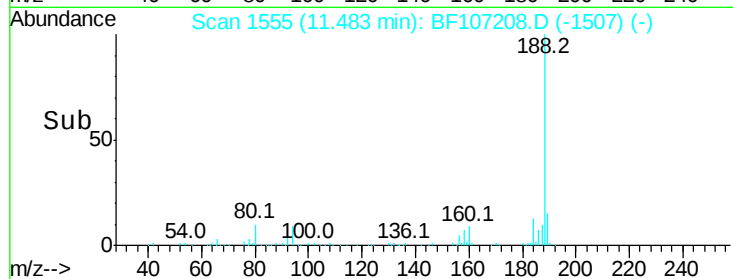
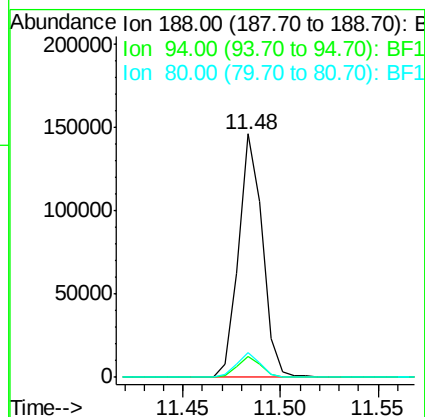
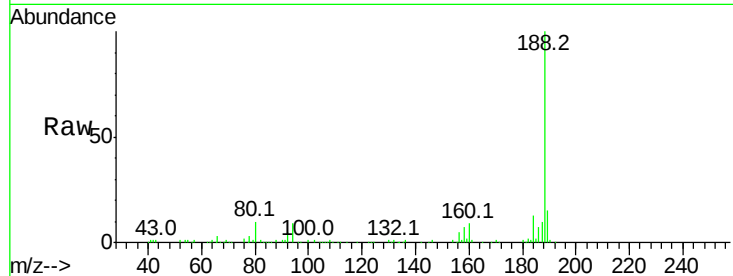
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	8.5	12.7
80	10.3	9.2	13.8

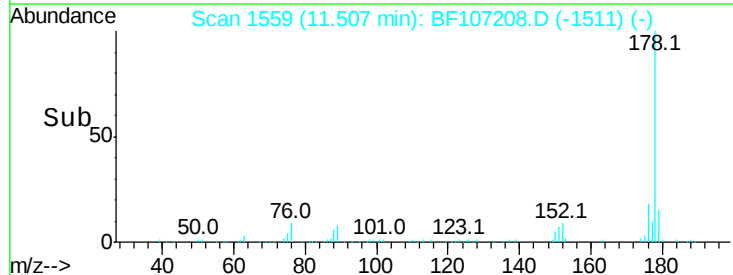
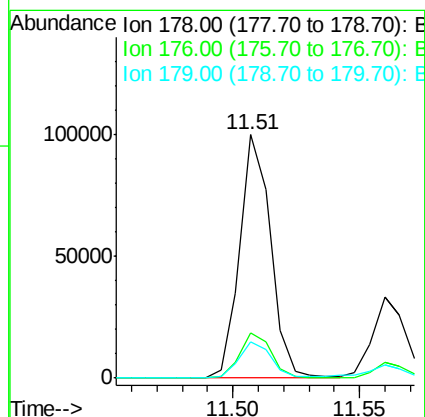
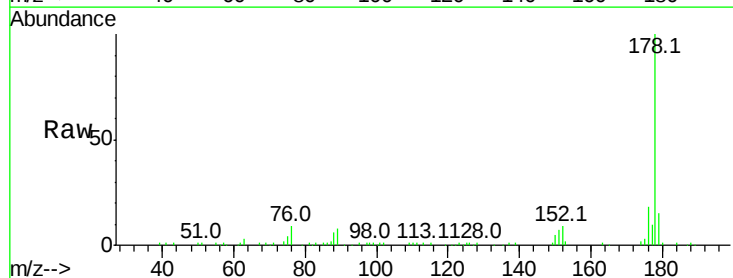
Manual Integrations
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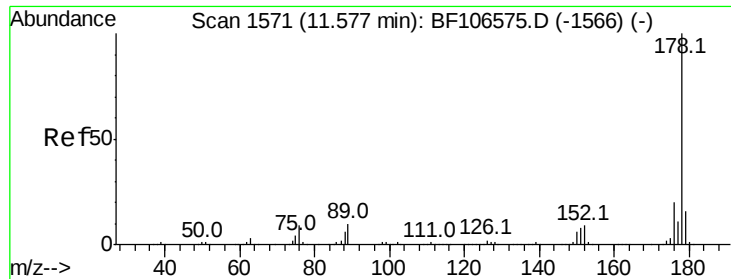
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#70
Phenanthrene
Concen: 14.110 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.1	13.0	19.6





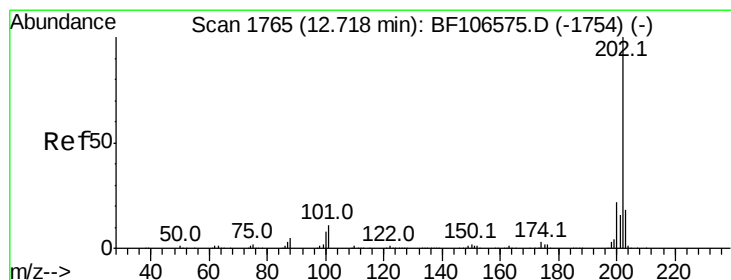
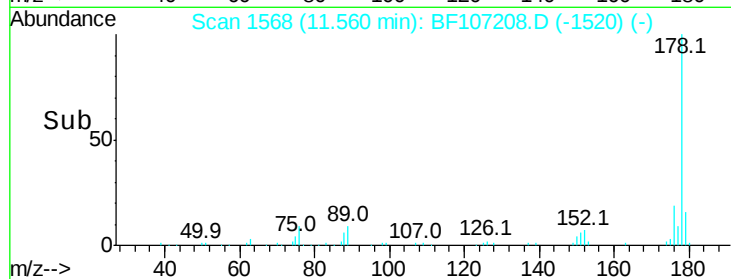
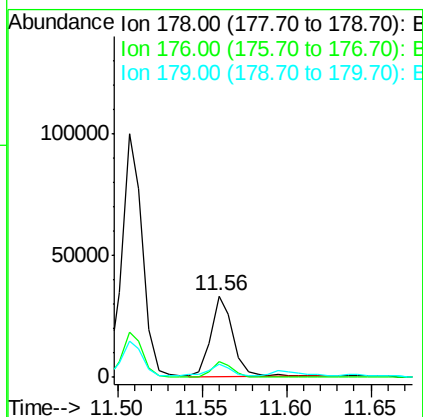
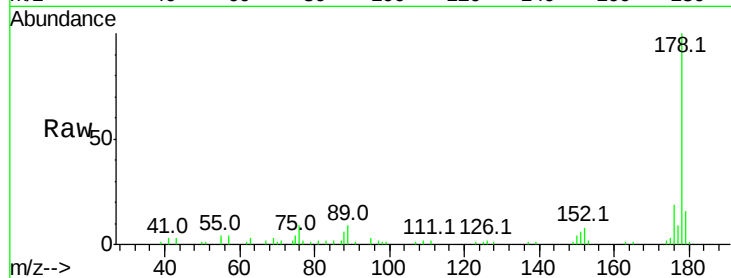
#71
 Anthracene
 Concen: 5.046 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF107208.D
 Acq: 7 Jul 2018 16:01

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.6	12.6	19.0

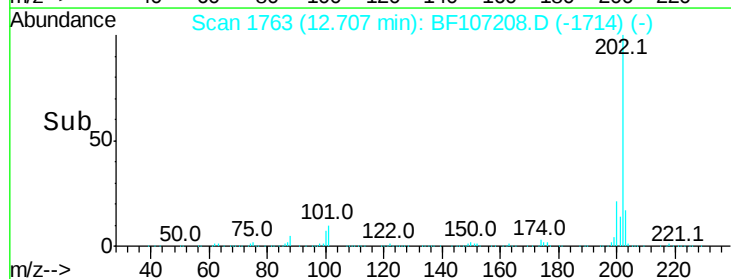
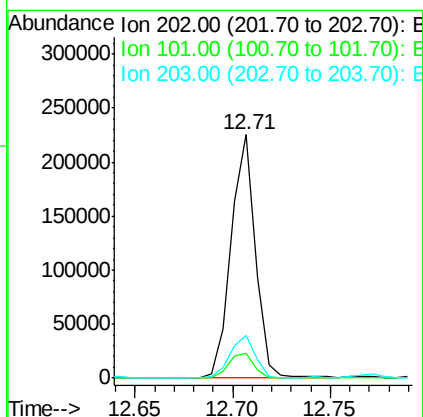
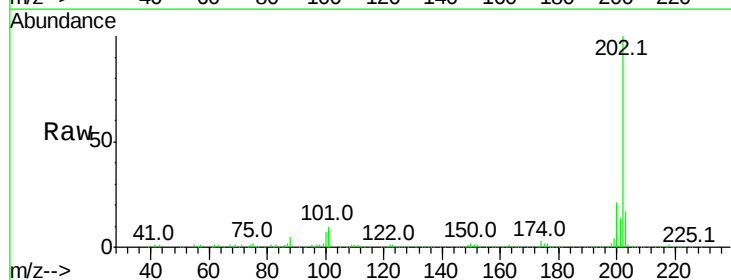
Manual Integrations
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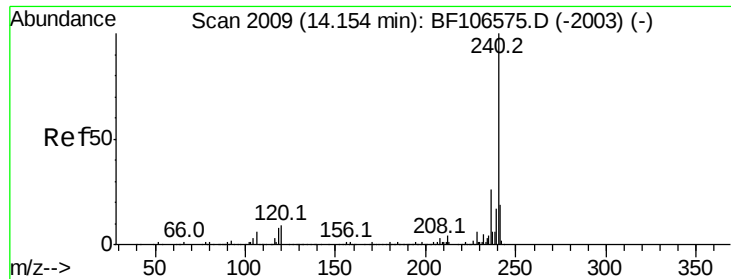
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#74
 Fluoranthene
 Concen: 29.492 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107208.D
 Acq: 7 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	34.1
203	17.4	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: BF107208.D

Acq: 7 Jul 2018 16:01

Instrument :

BNA_F

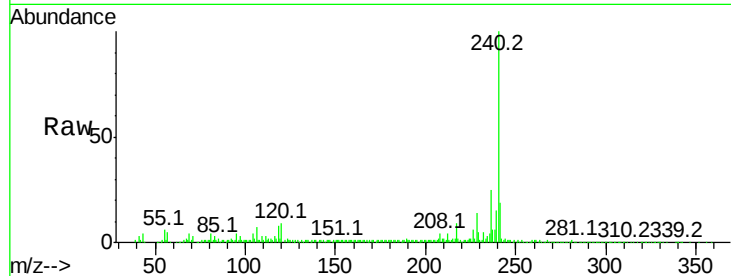
ClientSampleId :

SURCHARGE-SP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	25.1	20.7	31.1

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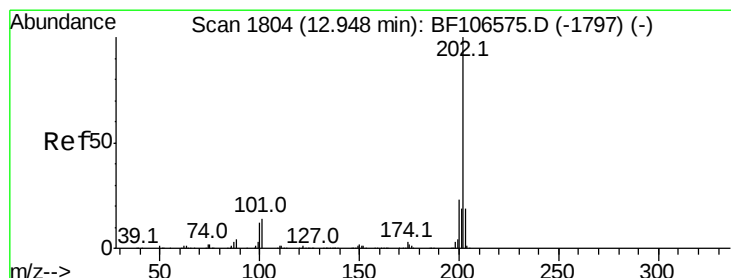
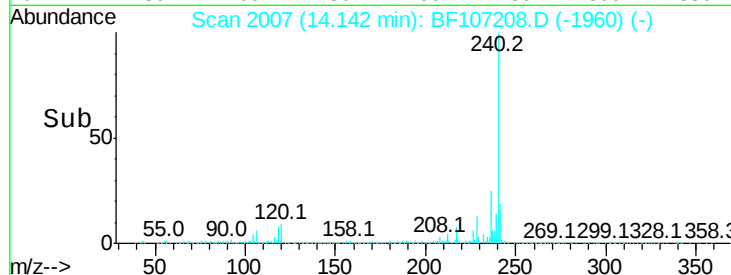
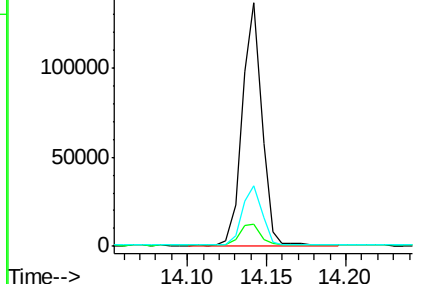
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 24.807 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107208.D

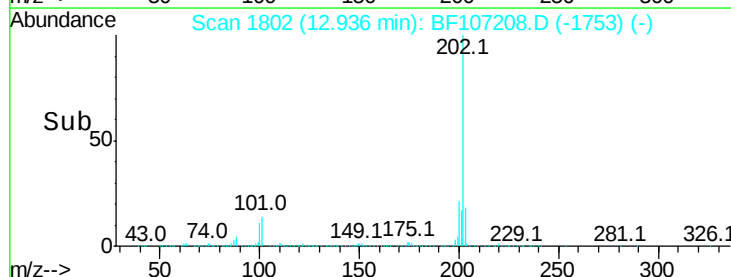
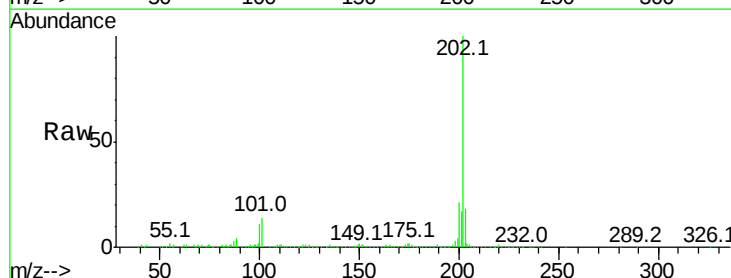
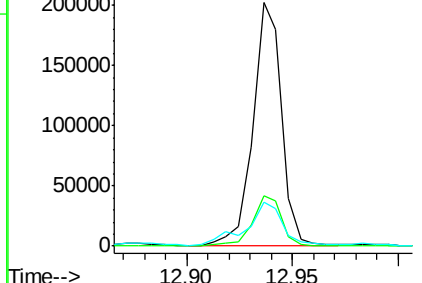
Acq: 7 Jul 2018 16:01

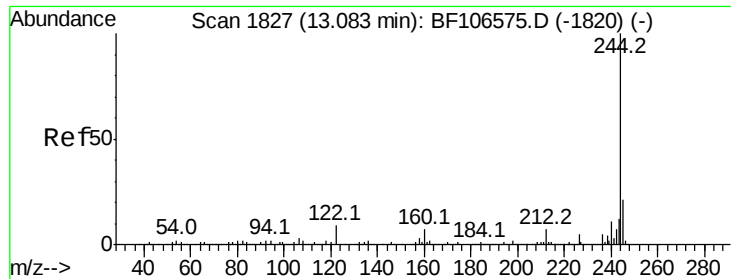
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	18.2	14.3	21.5

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: 96.739 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-1

Tot Ion:244 Resp: 461540

Ion Ratio Lower Upper

244 100

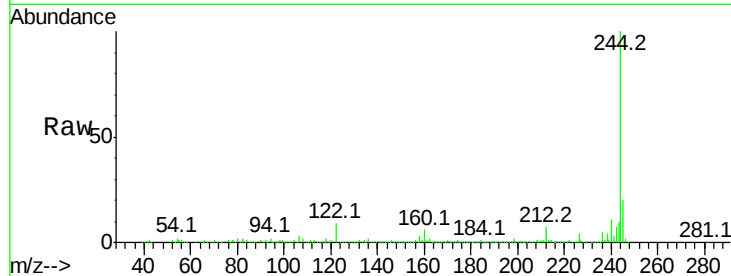
212 6.6 5.4 8.0

122 9.4 11.0 16.4#

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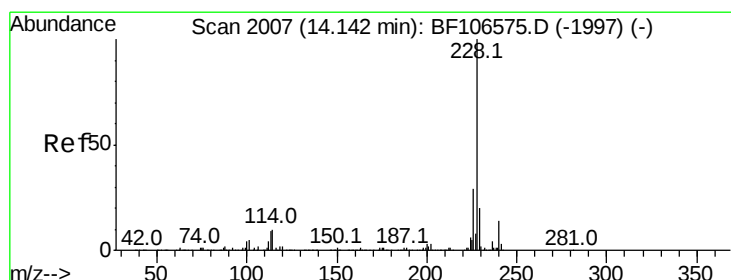
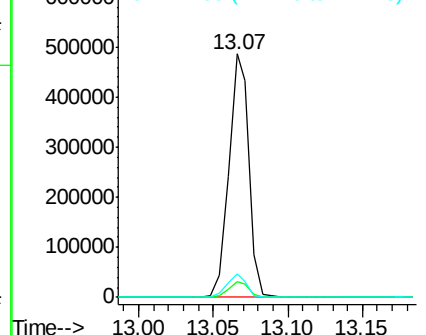
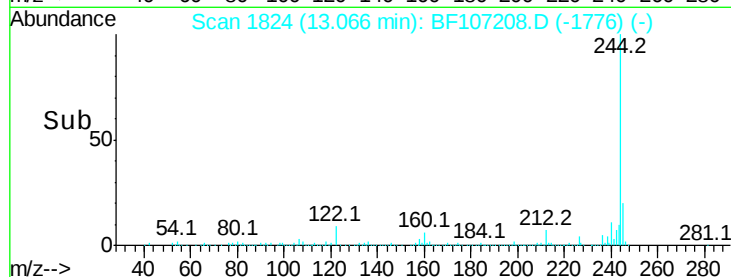
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 14.497 ng m

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

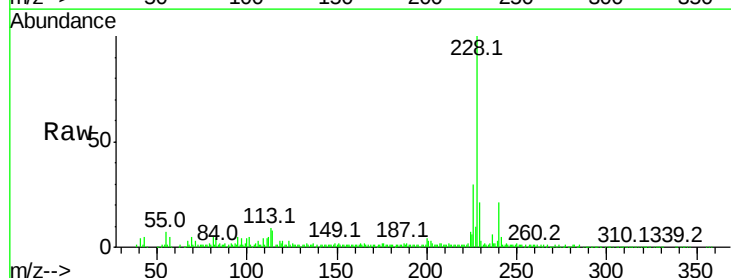
Tgt Ion:228 Resp: 102111

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

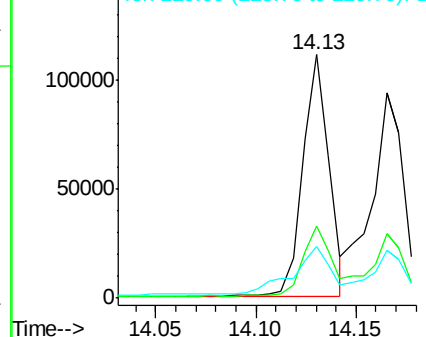
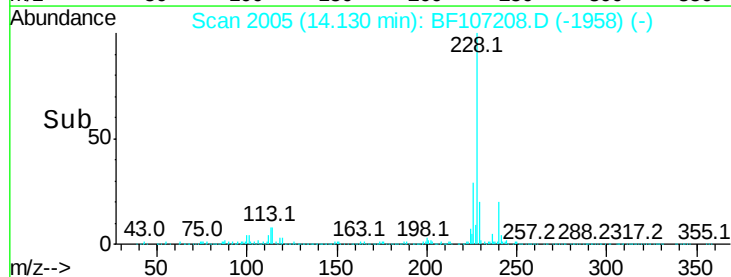
229 21.3 15.8 23.6

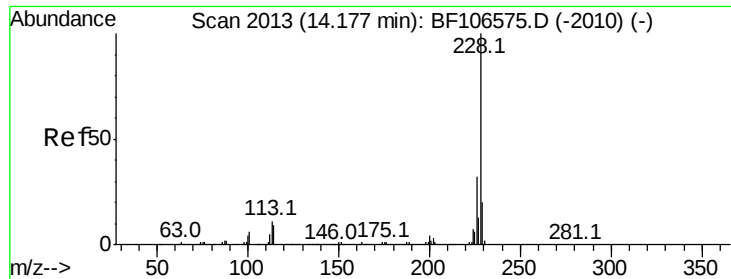


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.855 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

Instrument :

BNA_F

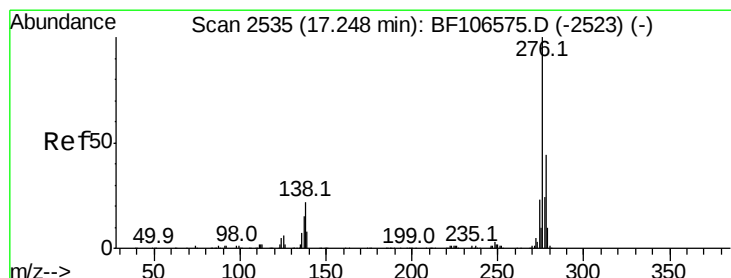
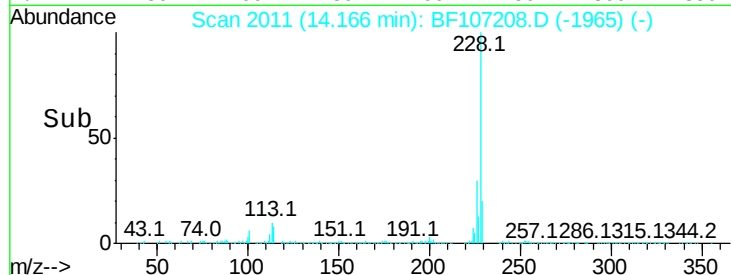
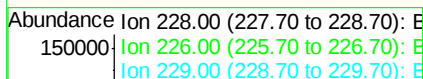
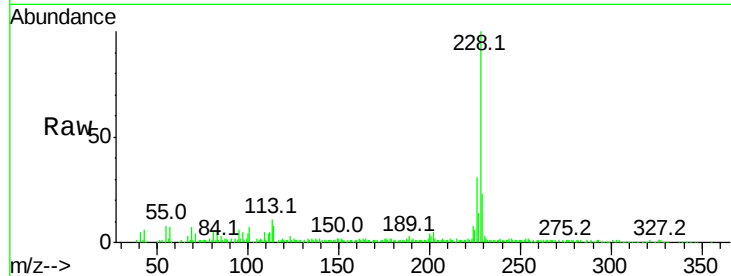
ClientSampleId :

SURCHARGE-SP-1

Tot Ion:	228	Resp:	102741
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	23.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.742 ng

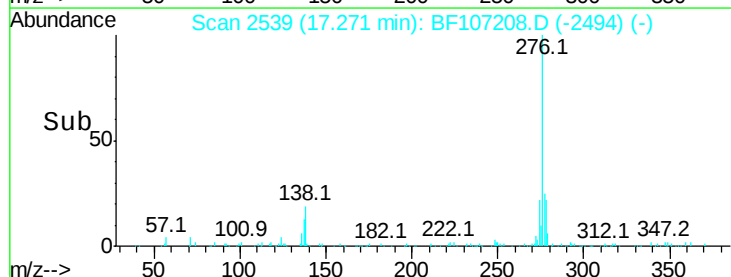
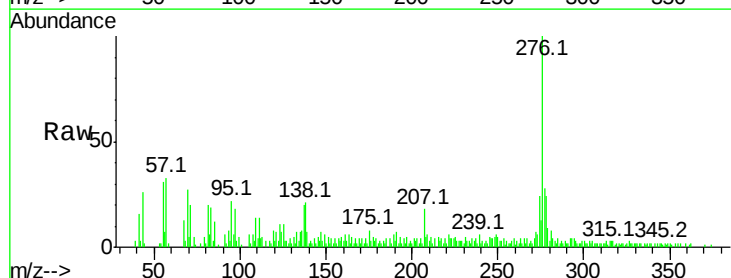
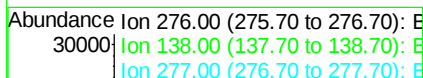
RT: 17.27 min Scan# 2539

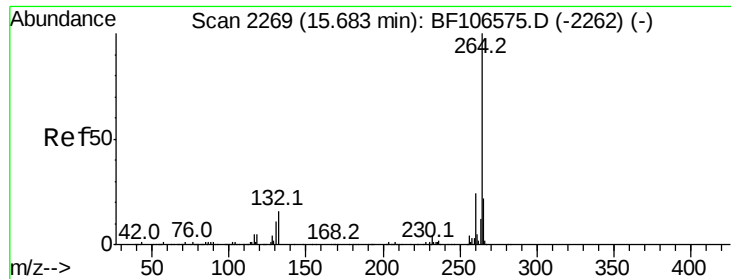
Delta R.T. -0.04 min

Lab File: BF107208.D

Acq: 7 Jul 2018 16:01

Tgt Ion:	276	Resp:	42572
Ion Ratio	Lower	Upper	
276	100		
138	18.6	25.0	37.6#
277	24.6	20.1	30.1





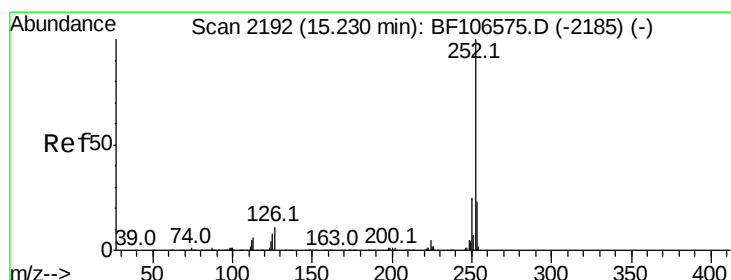
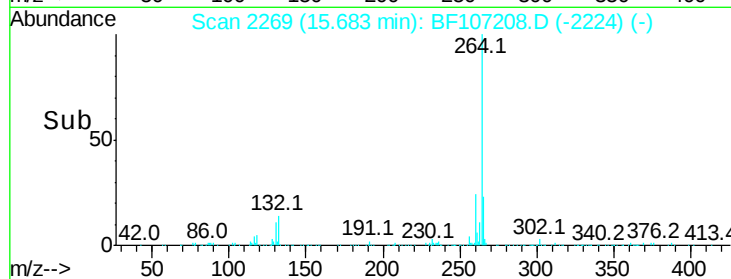
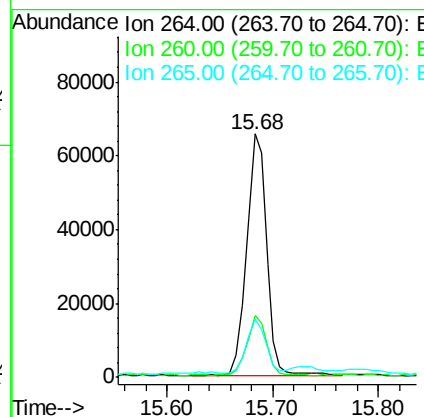
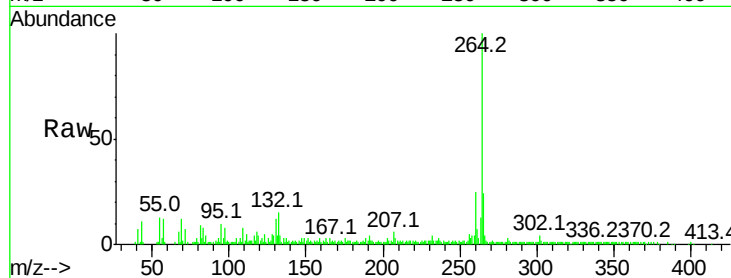
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	24.0	17.5	26.3

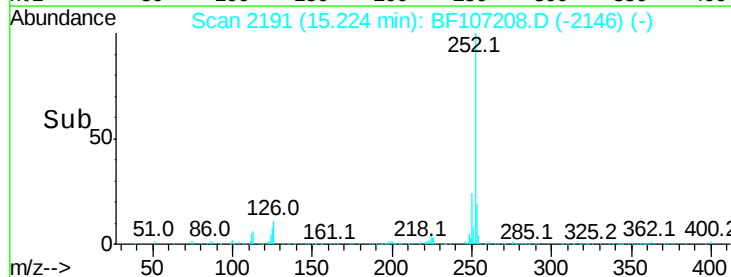
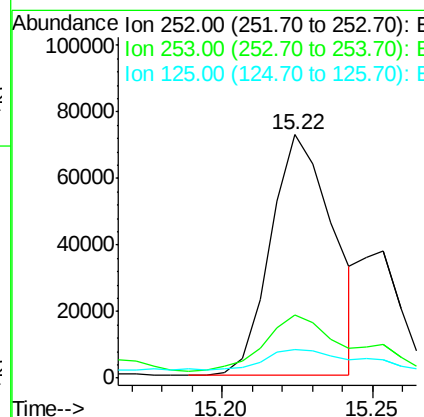
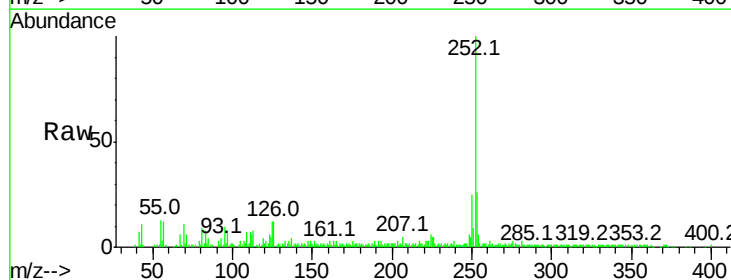
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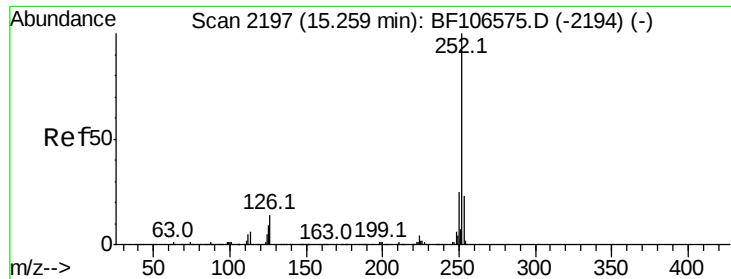
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#87
Benzo(b)fluoranthene
Concen: 19.727 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.0	25.6#
125	11.8	9.0	13.6





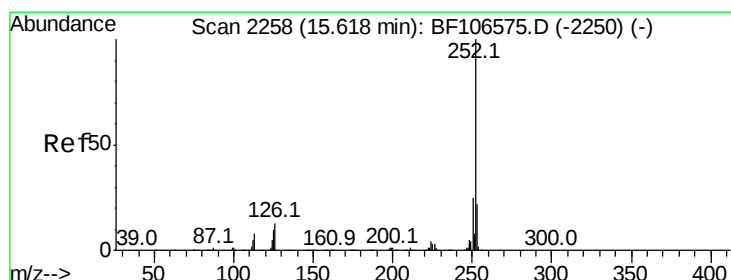
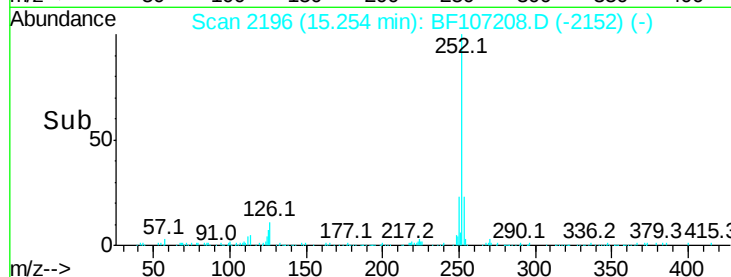
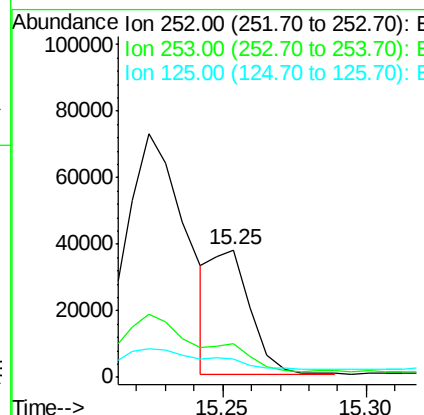
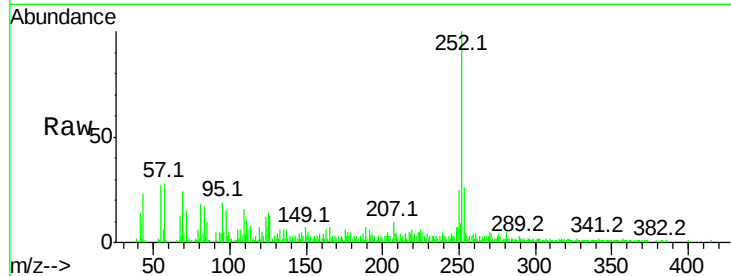
#88
Benzo(k)fluoranthene
Concen: 7.085 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	13.9	10.2	15.2

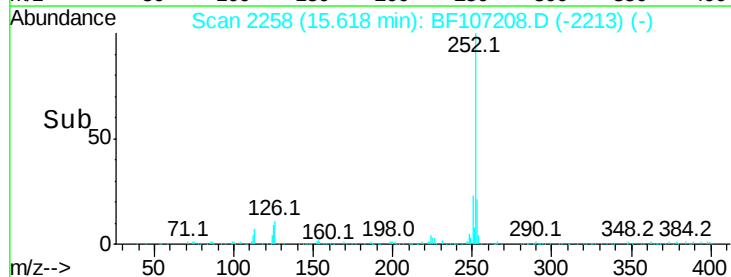
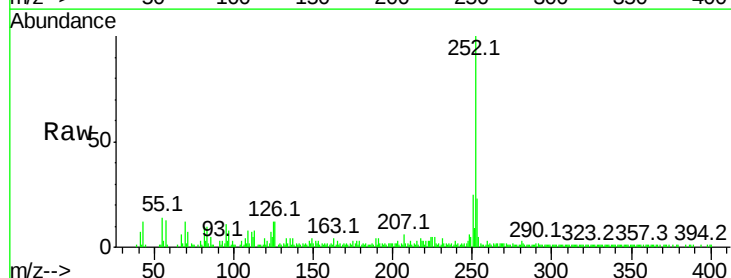
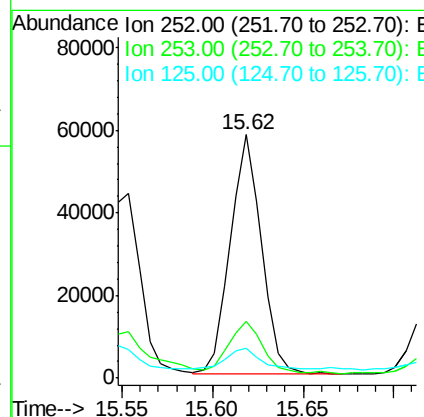
Manual Integrations
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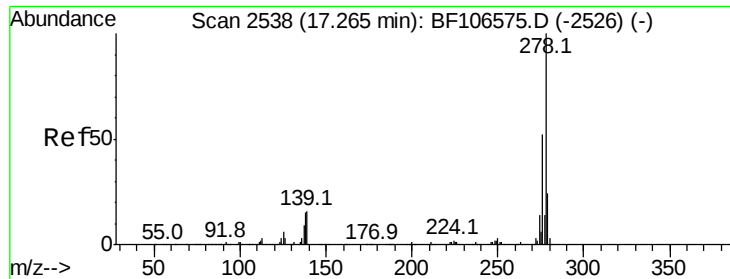
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#89
Benzo(a)pyrene
Concen: 14.836 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	12.2	9.8	14.6





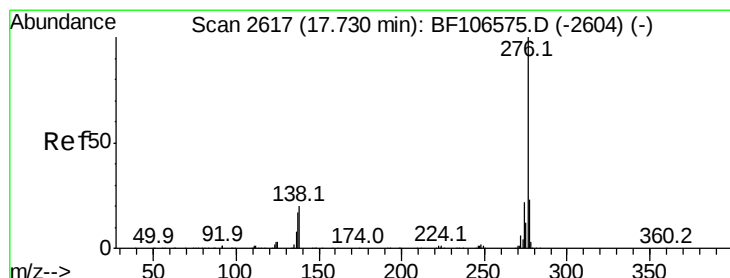
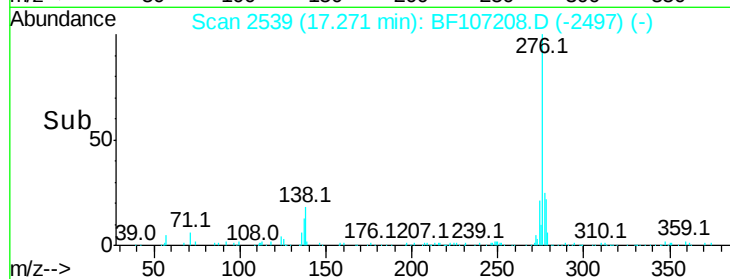
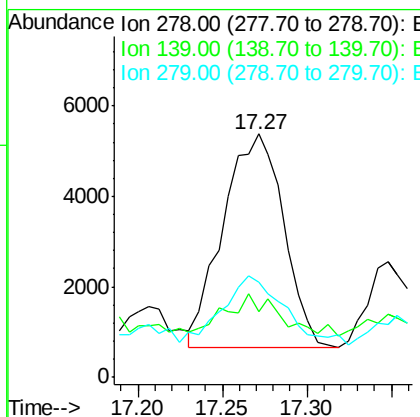
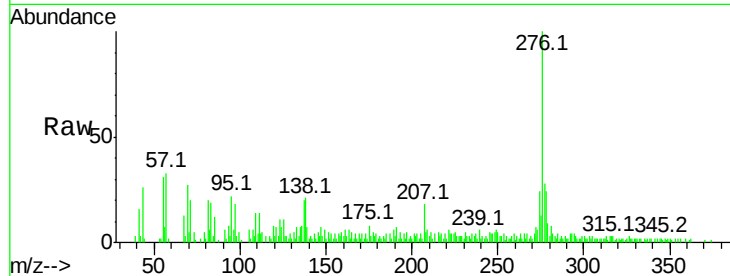
#90
Dibenzo(a,h)anthracene
Concen: 2.953 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.05 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.2	15.9	23.9#
279	39.0	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 10.891 ng
RT: 17.76 min Scan# 2622
Delta R.T. -0.03 min
Lab File: BF107208.D
Acq: 7 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	17.9	26.9#
138	18.9	21.8	32.8#

