

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107305.D
 Acq On : 11 Jul 2018 17:32
 Operator : JU/SJ
 Sample : J3880-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-20

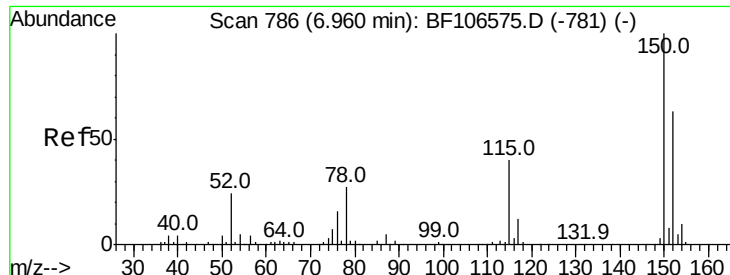
Manual Integrations
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Quant Time: Jul 12 13:50:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	64449	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	237206	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	104216	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	176487	20.00	ng	0.00
75) Chrysene-d12	14.14	240	184856	20.00	ng	0.00
86) Perylene-d12	15.68	264	134078	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	403227	105.94	ng	0.00
7) Phenol-d6	6.58	99	494562	104.05	ng	0.00
23) Nitrobenzene-d5	7.50	82	316638	74.18	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	122531	101.44	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	557642	91.74	ng	0.00
78) Terphenyl-d14	13.07	244	574296	75.25	ng	0.00
Target Compounds						
10) Phenol	6.59	94	12349	2.277	ng	Qvalue # 62
31) Naphthalene	8.24	128	38497	3.471	ng	99
37) 2-Methylnaphthalene	8.93	142	19535	2.658	ng	93
49) Dimethylphthalate	9.68	163	122831	15.715	ng	99
51) Acenaphthene	10.01	154	39468	6.072	ng	97
54) Dibenzofuran	10.18	168	36869	4.143	ng	93
57) Fluorene	10.53	166	45875	6.496	ng	98
70) Phenanthrene	11.50	178	185493	21.791	ng	98
71) Anthracene	11.55	178	58875	6.776	ng	99
72) Carbazole	11.71	167	18702	2.299	ng	97
74) Fluoranthene	12.70	202	344772	36.747	ng	96
77) Pyrene	12.94	202	342535	28.100	ng	99
80) Benzo(a)anthracene	14.13	228	225811	20.043	ng	98
82) Chrysene	14.17	228	215912	20.831	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	35971	5.614	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.28	276	76878	8.740	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	234155m	28.114	ng	
88) Benzo(k)fluoranthene	15.25	252	80536m	10.154	ng	
89) Benzo(a)pyrene	15.62	252	146535	19.791	ng	95
90) Dibenzo(a,h)anthracene	17.28	278	21806	3.475	ng	# 92
91) Benzo(g,h,i)perylene	17.77	276	76996	12.554	ng	# 89

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



#1

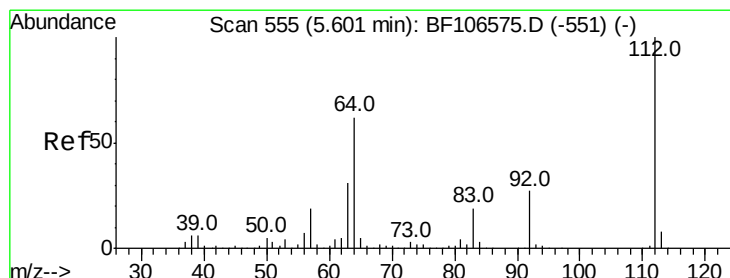
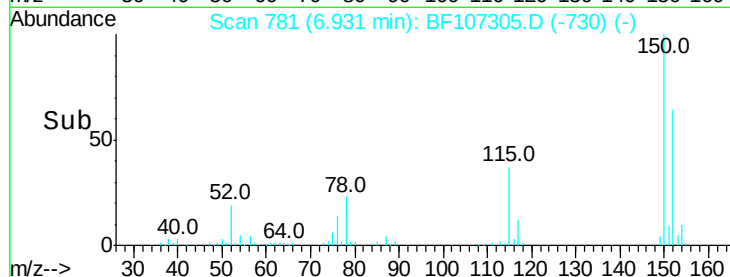
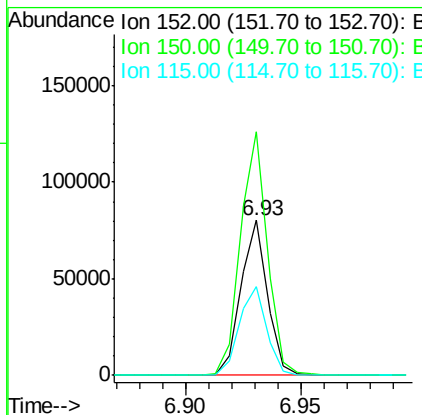
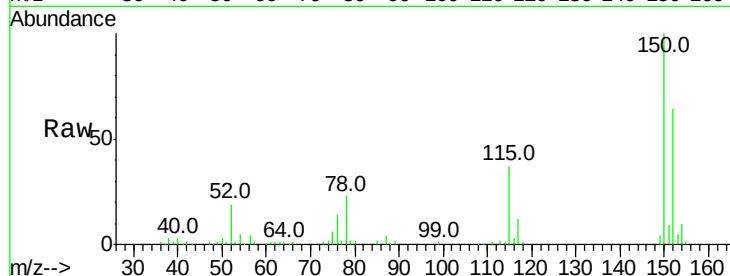
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Instrument :
BNA_F
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Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	57.7	50.1	75.1

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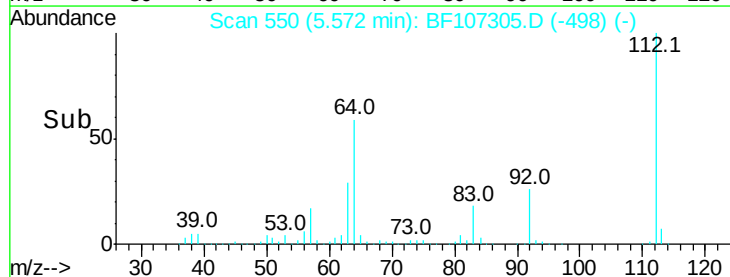
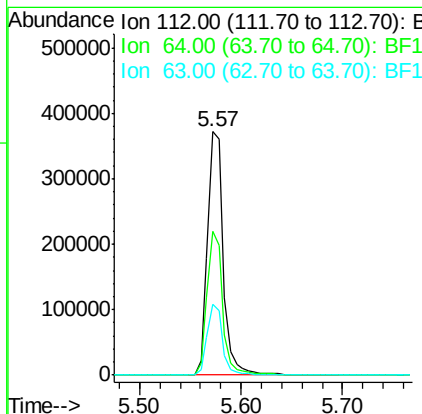
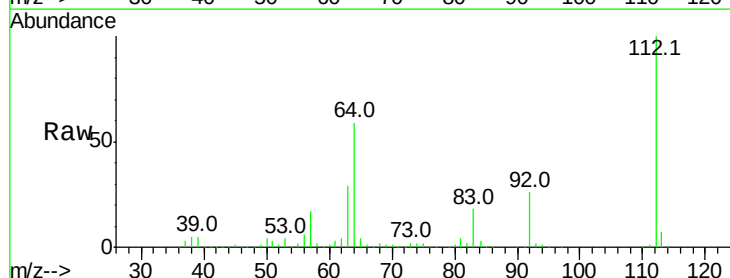
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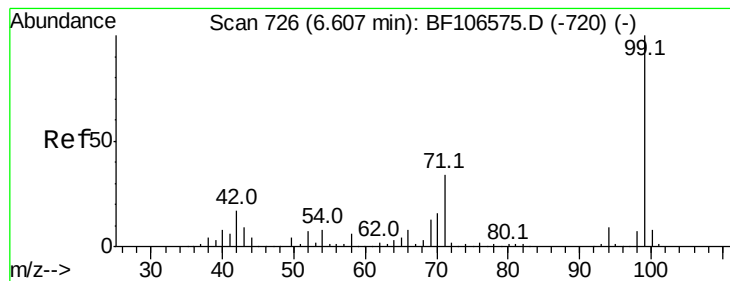


#5

2-Fluorophenol
Concen: 105.943 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 104.051 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF107305.D

Acq: 11 Jul 2018 17:32

Instrument :

BNA_F

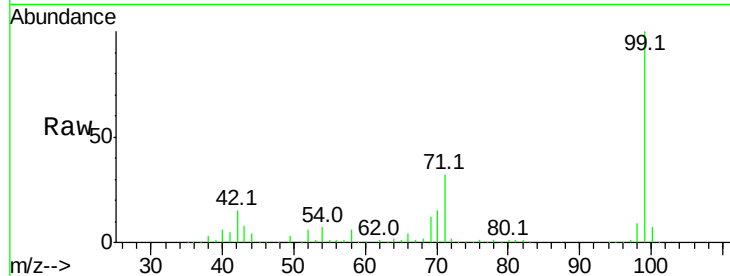
ClientSampleId :

SURCHARGE-SP-20

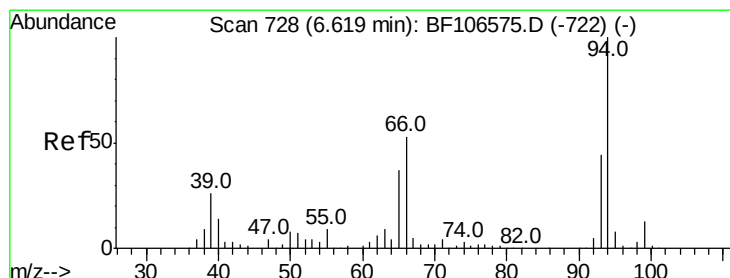
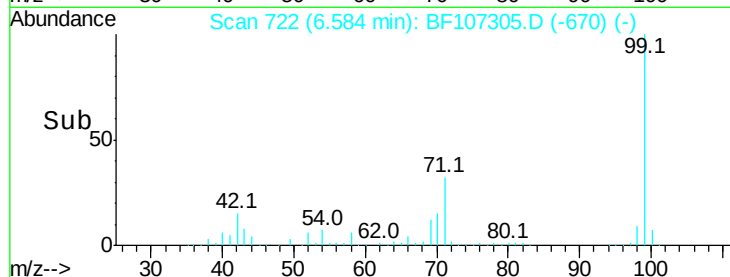
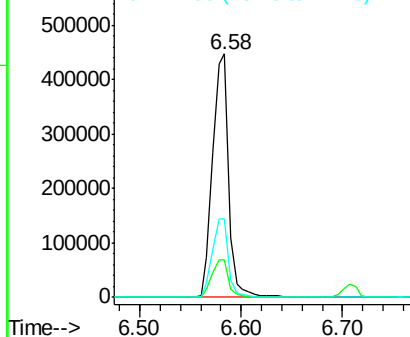
Tot Ion:	99	Resp:	494562
Ion Ratio	Lower	Upper	
99	100		
42	15.4	14.5	21.7
71	32.2	25.4	38.0

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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: 2.277 ng

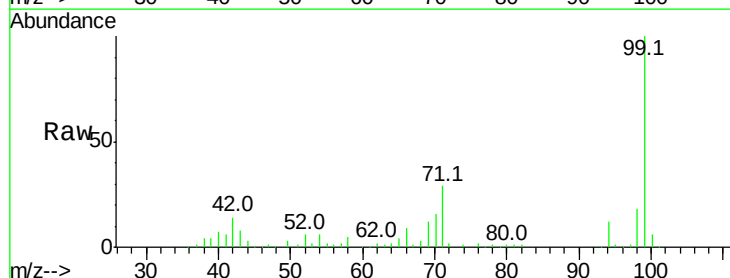
RT: 6.59 min Scan# 723

Delta R.T. -0.00 min

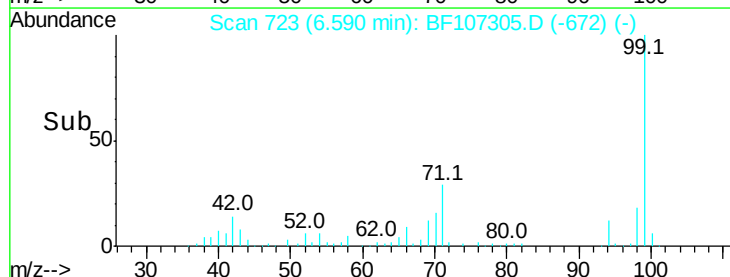
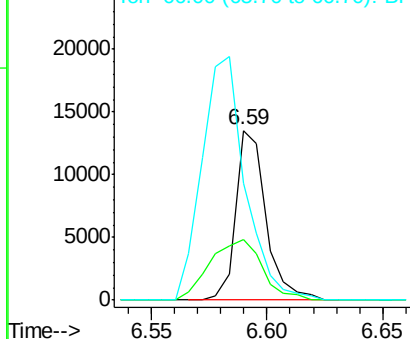
Lab File: BF107305.D

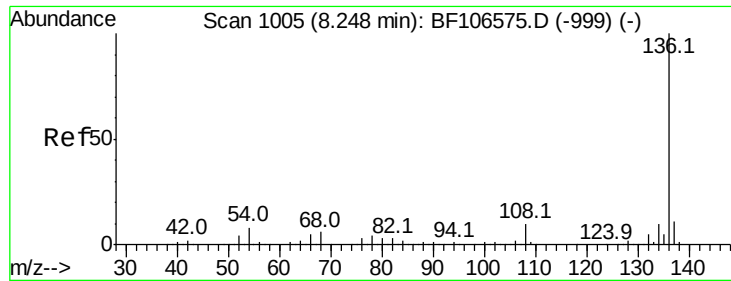
Acq: 11 Jul 2018 17:32

Tgt Ion:	94	Resp:	12349
Ion Ratio	Lower	Upper	
94	100		
65	35.7	7.9	47.9
66	68.6	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





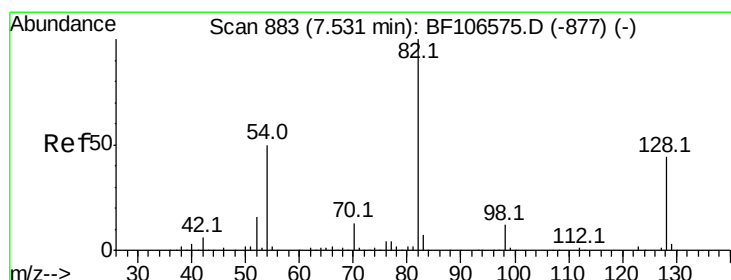
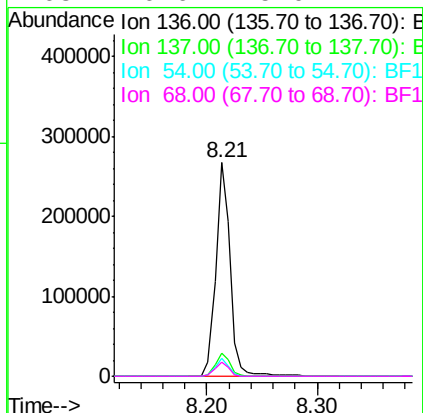
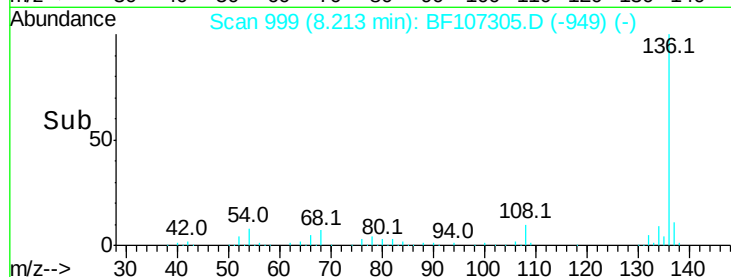
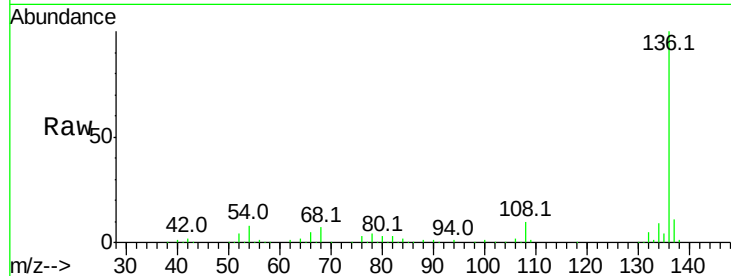
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	8.3	6.6	9.8	
68	6.6	5.0	7.4	

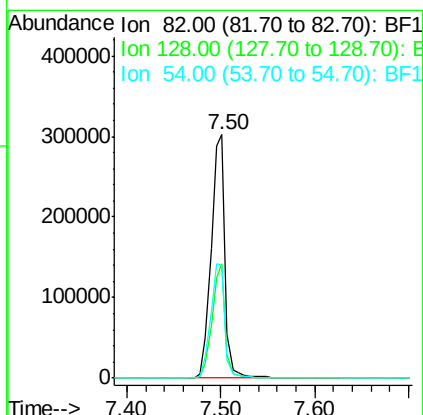
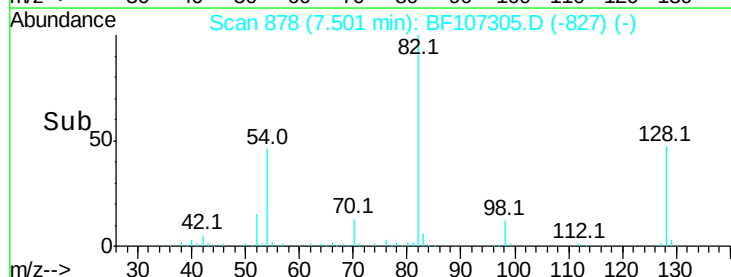
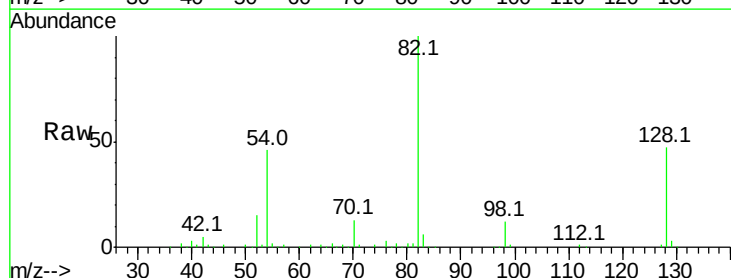
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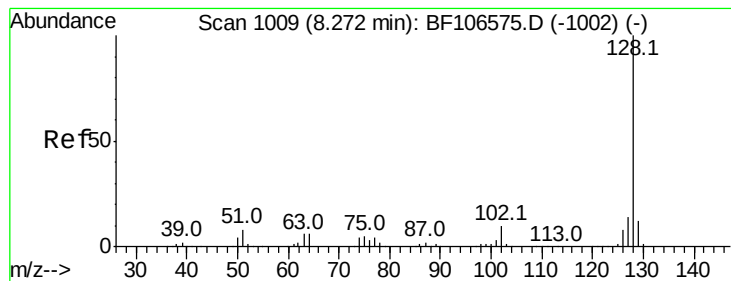
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#23
Nitrobenzene-d5
Concen: 74.183 ng
RT: 7.50 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.2	36.1	54.1	
54	46.3	41.4	62.2	





#31

Naphthalene

Concen: 3.471 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107305.D

Acq: 11 Jul 2018 17:32

Instrument :

BNA_F

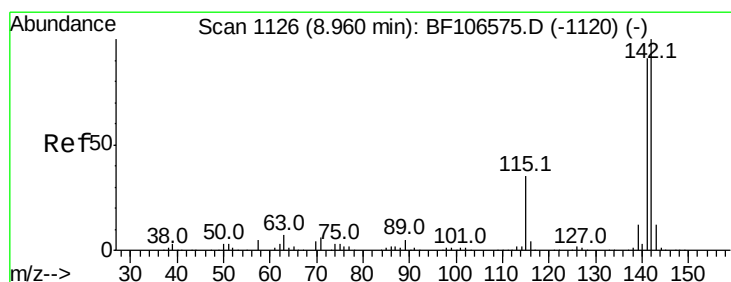
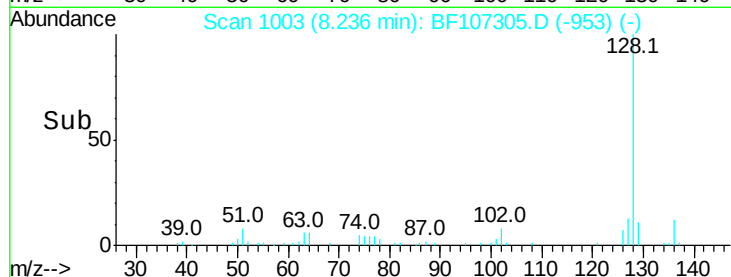
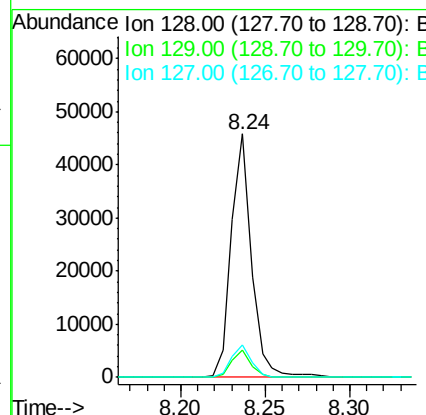
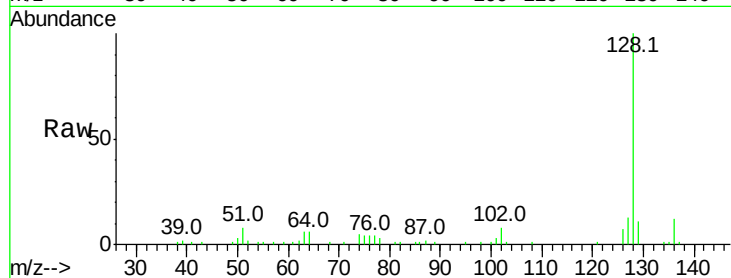
ClientSampleId :

SURCHARGE-SP-20

Tot Ion:	128	Resp:	38497
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	13.2	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 2.658 ng

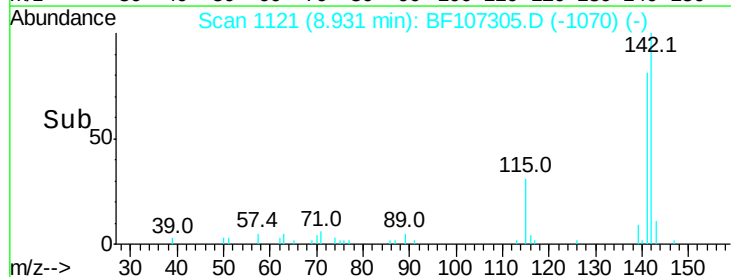
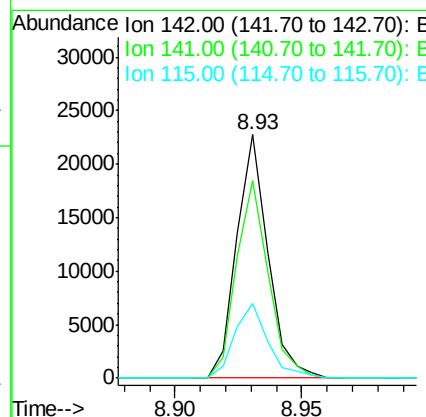
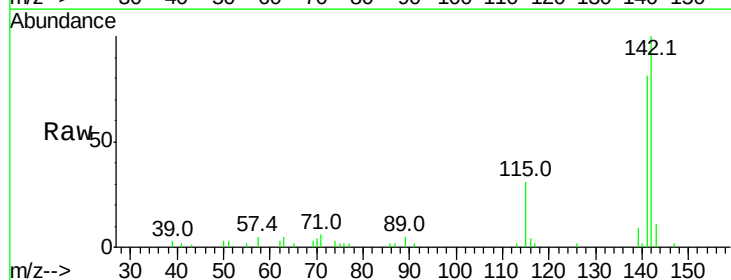
RT: 8.93 min Scan# 1121

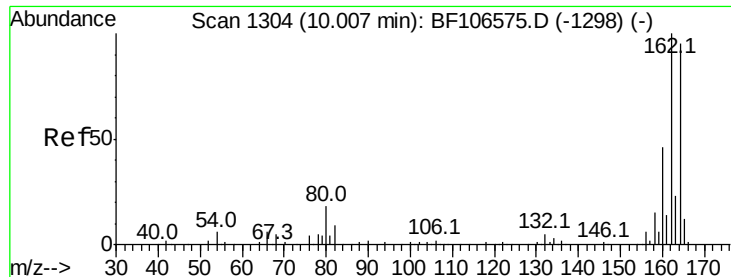
Delta R.T. -0.00 min

Lab File: BF107305.D

Acq: 11 Jul 2018 17:32

Tgt Ion:	142	Resp:	19535
Ion Ratio	Lower	Upper	
142	100		
141	81.2	70.8	106.2
115	30.6	26.1	39.1





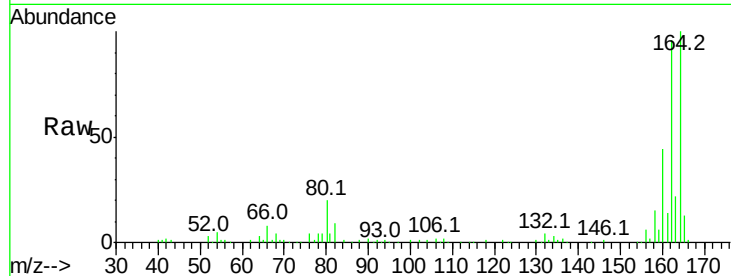
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

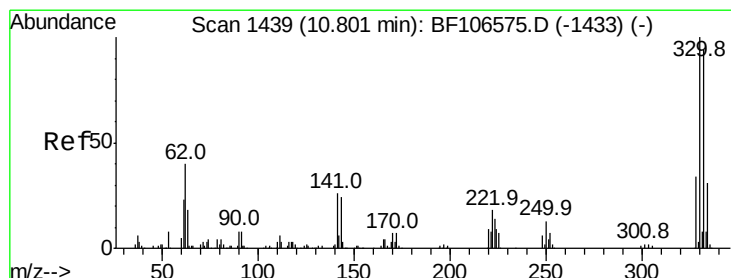
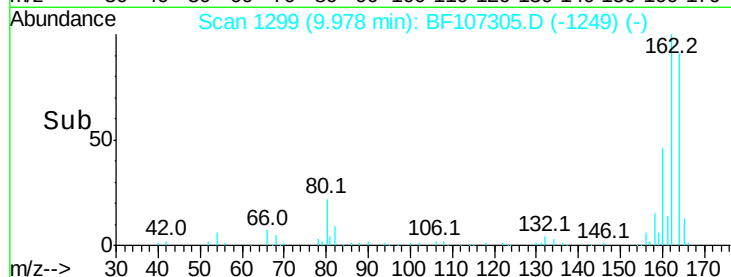
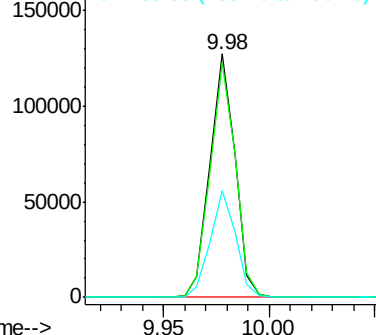
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	96.4	86.1	129.1	
160	44.0	38.3	57.5	

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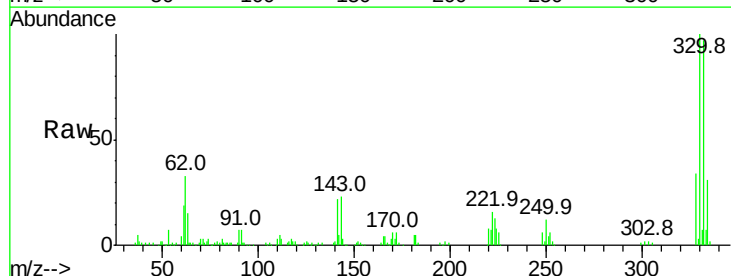


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

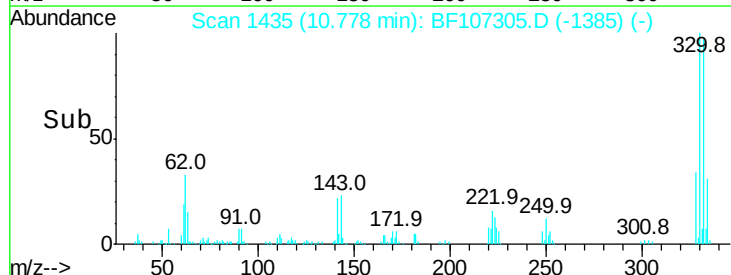
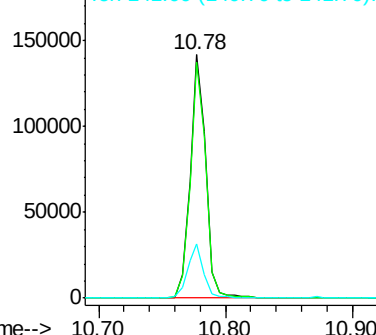


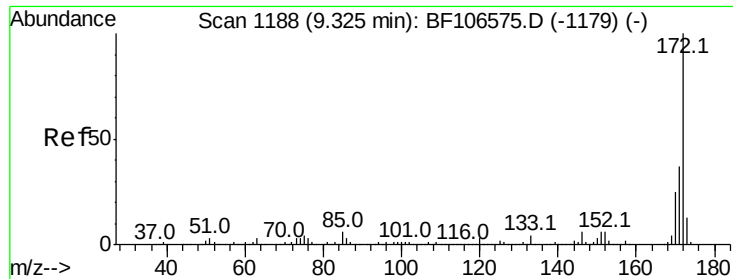
#41
2,4,6-Tribromophenol
Concen: 101.442 ng
RT: 10.78 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.0	115.6	
141	24.0	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





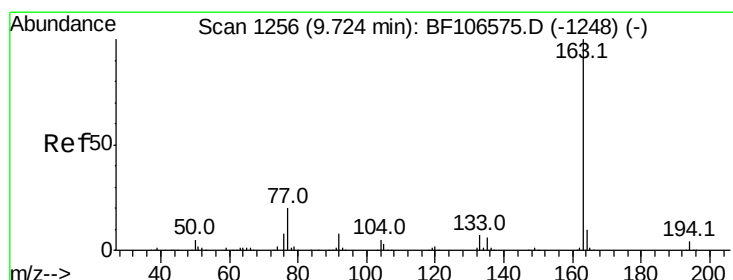
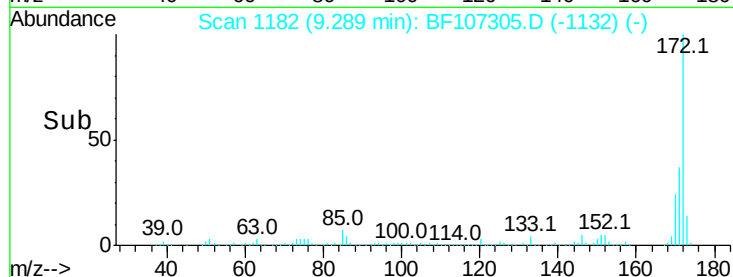
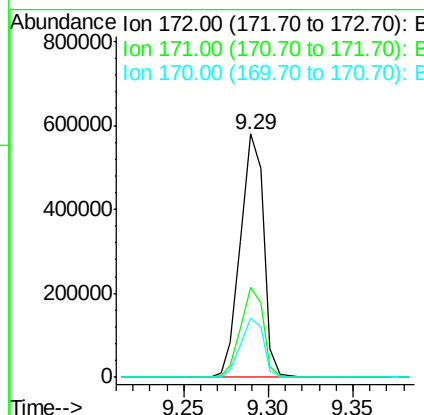
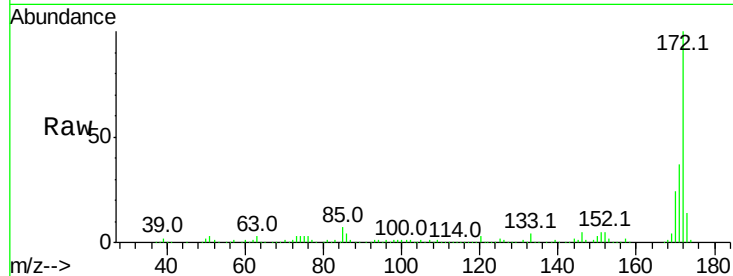
#44
2-Fluorobiphenyl
Concen: 91.739 ng
RT: 9.29 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.4	19.6	29.4

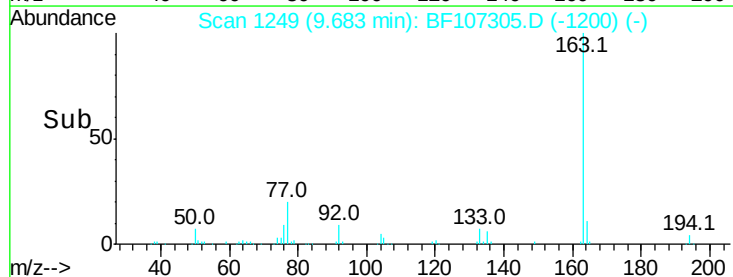
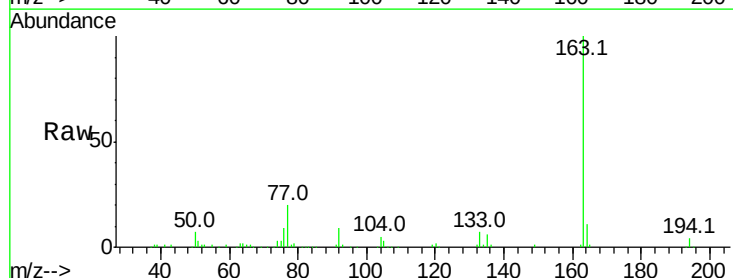
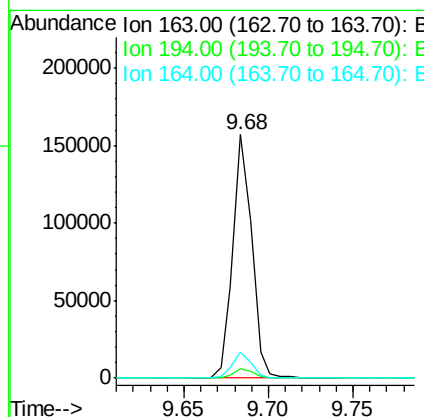
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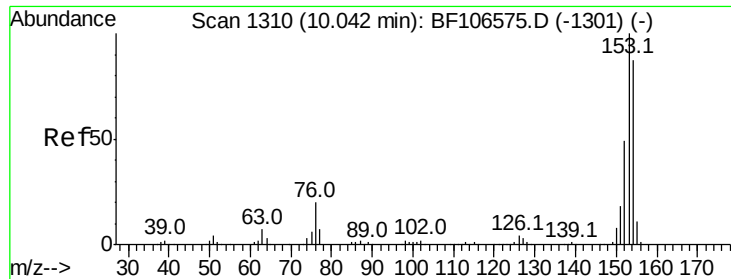
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#49
Dimethylphthalate
Concen: 15.715 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.7	8.2	12.2





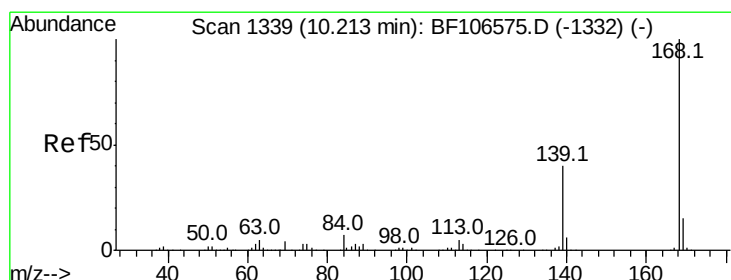
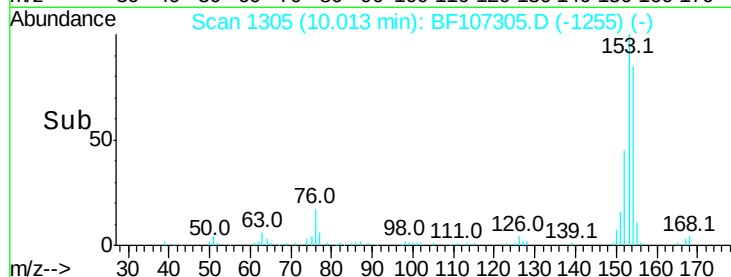
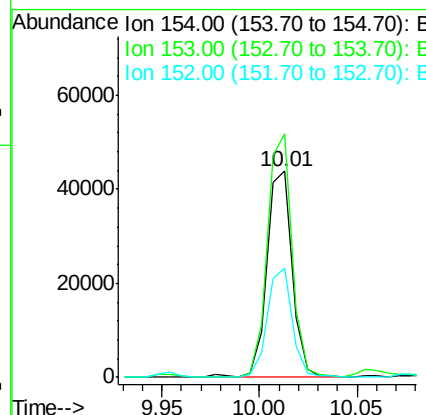
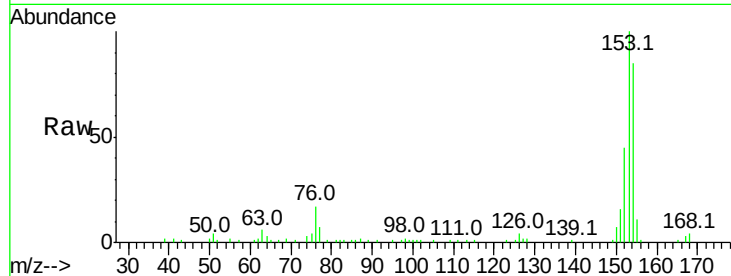
#51
Acenaphthene
Concen: 6.072 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.0	91.2	136.8
152	53.2	43.8	65.8

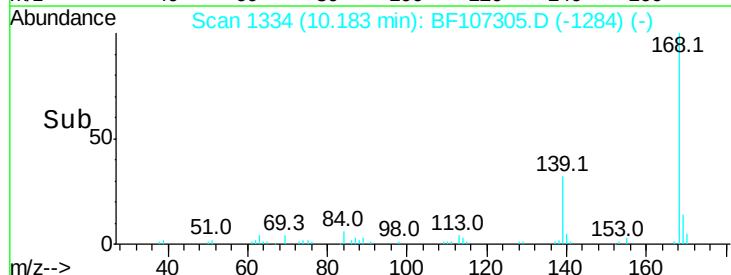
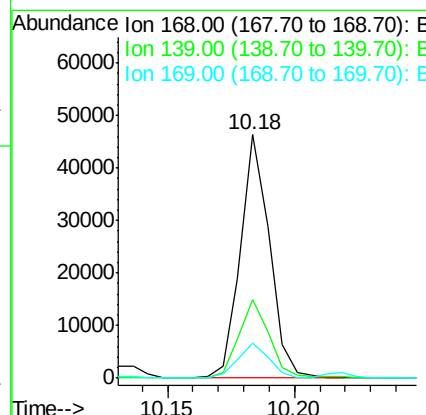
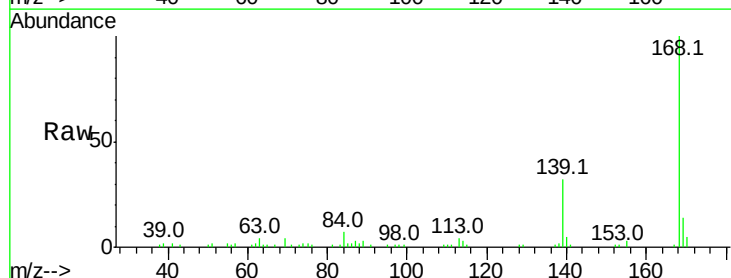
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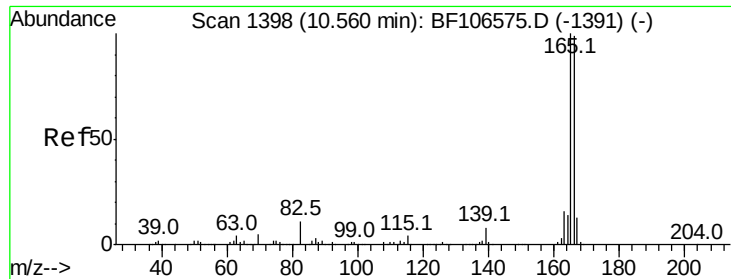
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#54
Dibenzofuran
Concen: 4.143 ng
RT: 10.18 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Tgt Ion	Ratio	Lower	Upper
168	100		
139	32.1	30.1	45.1
169	14.2	10.9	16.3





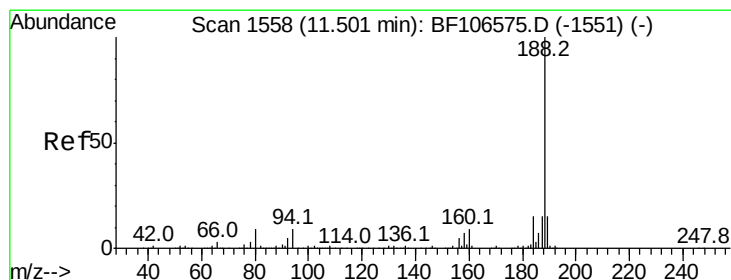
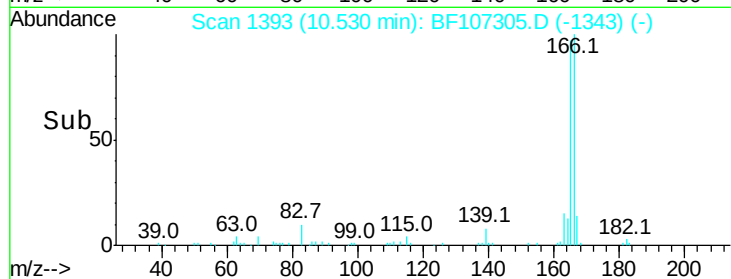
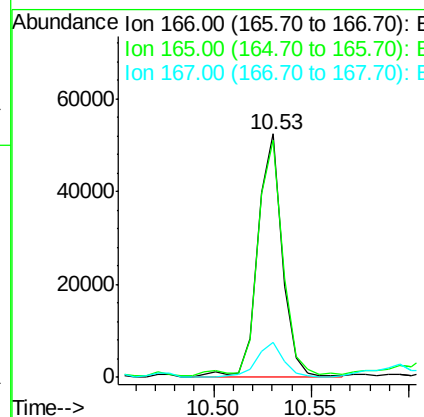
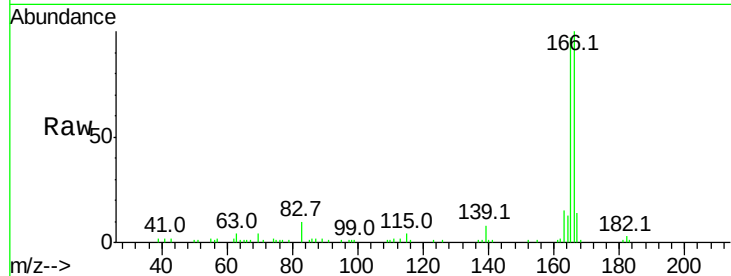
#57
 Fluorene
 Concen: 6.496 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF107305.D
 Acq: 11 Jul 2018 17:32

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-20

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.3	79.8	119.8	
167	14.3	10.6	16.0	

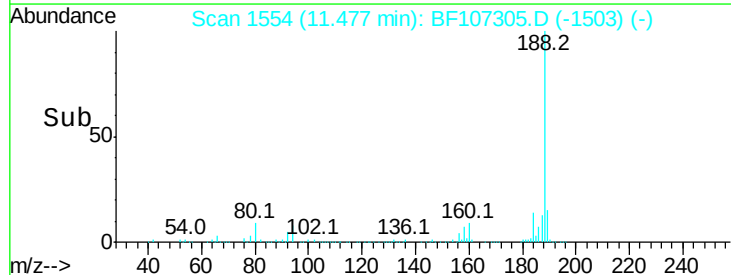
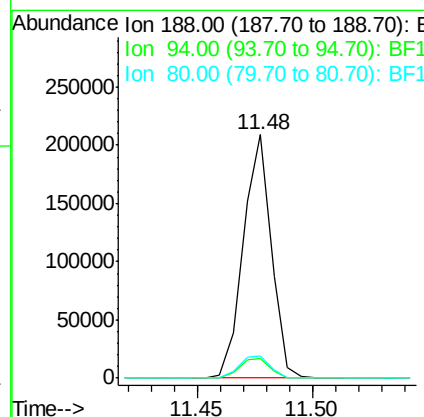
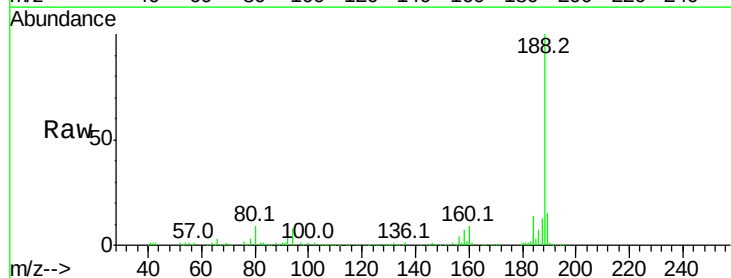
Manual Integrations
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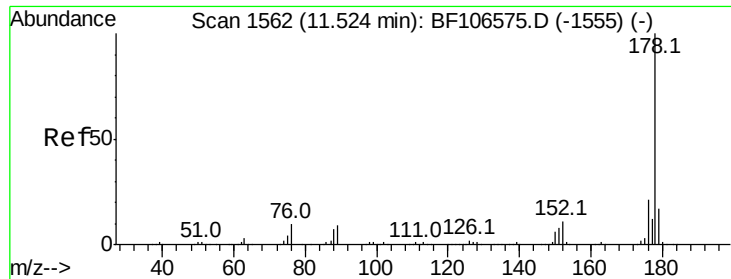
Sohil
 7/12/2018 2:19:31 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1554
 Delta R.T. -0.00 min
 Lab File: BF107305.D
 Acq: 11 Jul 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.2	8.5	12.7#	
80	9.2	9.2	13.8	





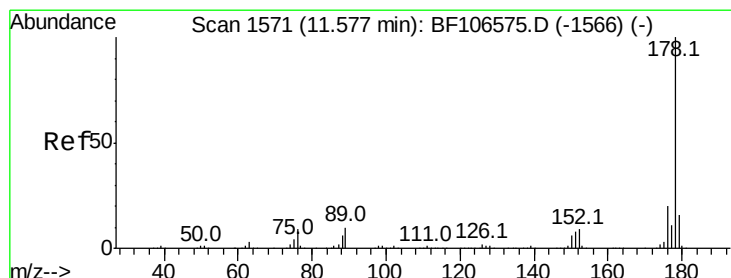
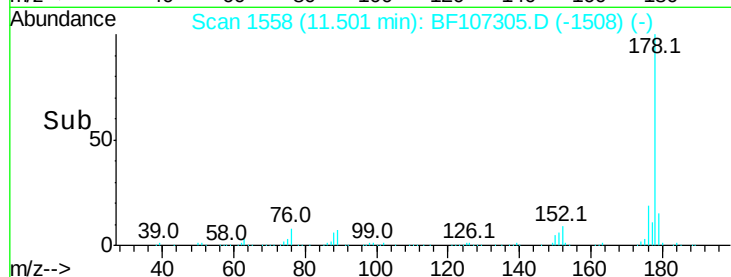
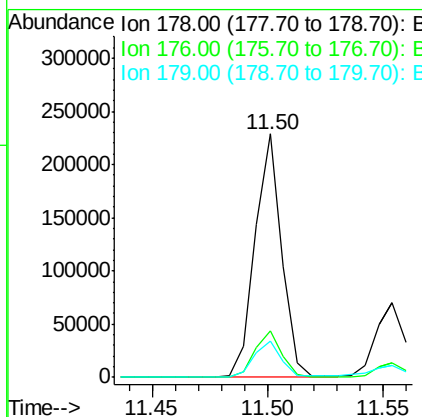
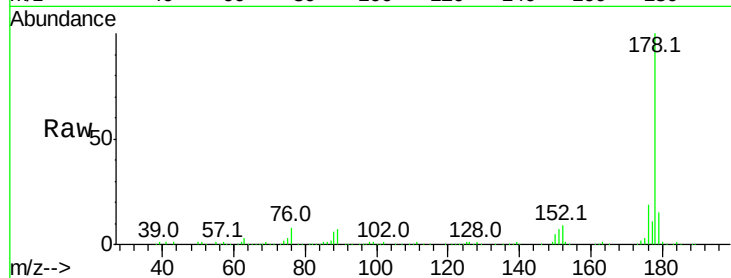
#70
Phenanthrene
Concen: 21.791 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.9	13.0	19.6

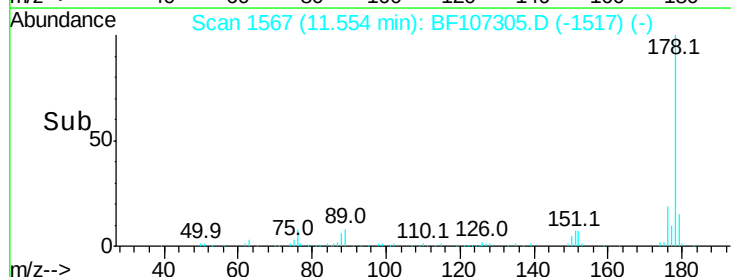
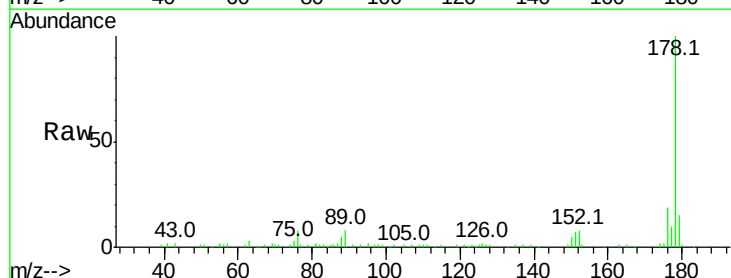
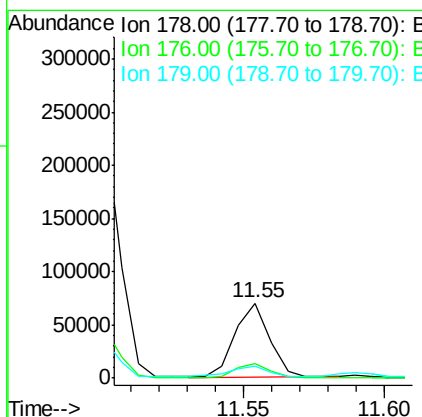
Manual Integrations
APPROVED

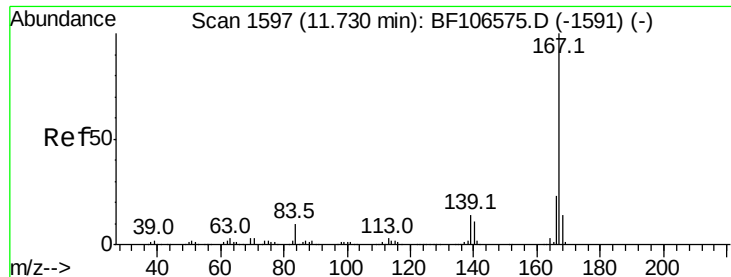
Sohil
7/12/2018 2:19:31 PM



#71
Anthracene
Concen: 6.776 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.1	12.6	19.0





#72

Carbazole

Concen: 2.299 ng

RT: 11.71 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF107305.D

Acq: 11 Jul 2018 17:32

Instrument :

BNA_F

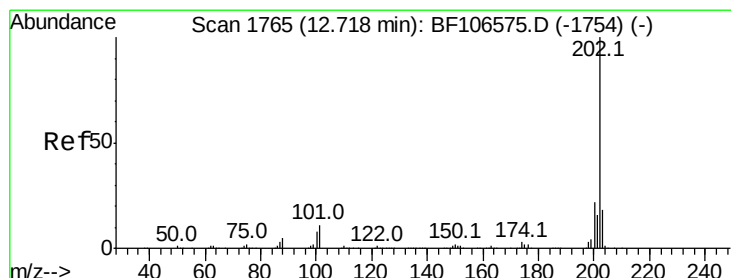
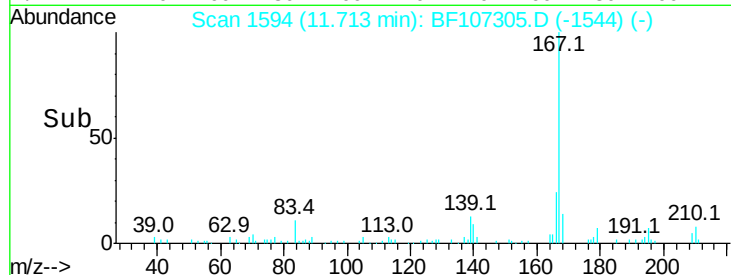
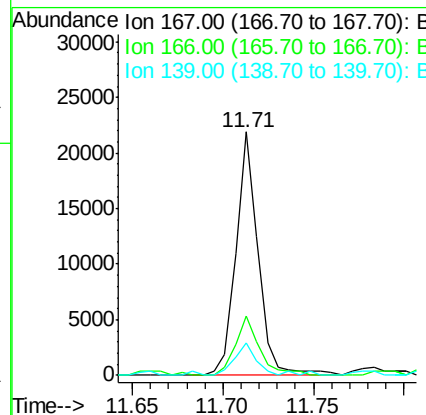
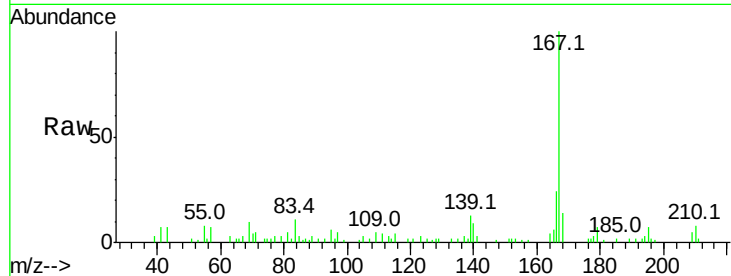
ClientSampleId :

SURCHARGE-SP-20

Tot Ion:	167	Resp:	18702
Ion Ratio	Lower	Upper	
167	100		
166	24.4	17.6	26.4
139	13.4	10.9	16.3

Manual Integrations
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7/12/2018 2:19:31 PM



#74

Fluoranthene

Concen: 36.747 ng

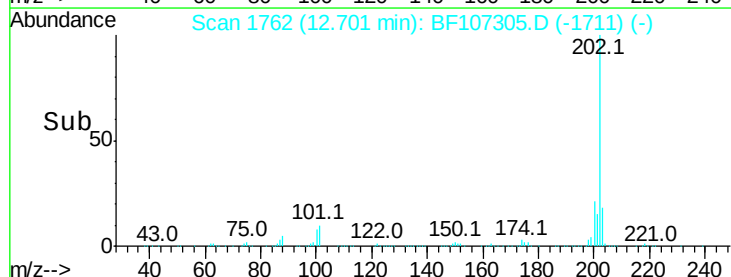
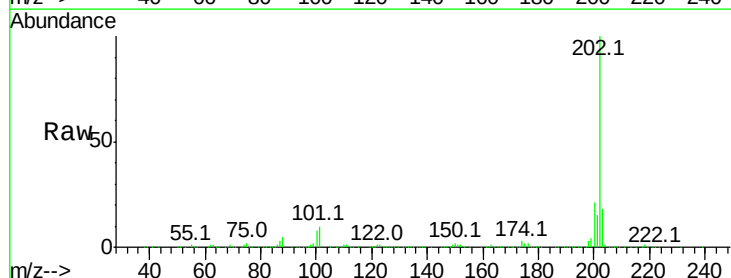
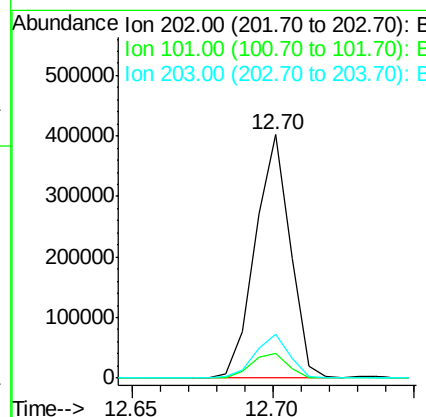
RT: 12.70 min Scan# 1762

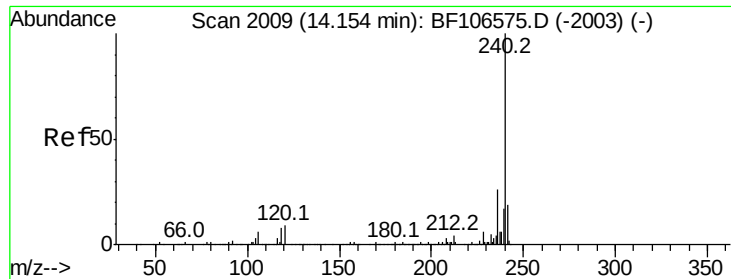
Delta R.T. -0.00 min

Lab File: BF107305.D

Acq: 11 Jul 2018 17:32

Tgt Ion:	202	Resp:	344772
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF107305.D

Acq: 11 Jul 2018 17:32

Instrument :

BNA_F

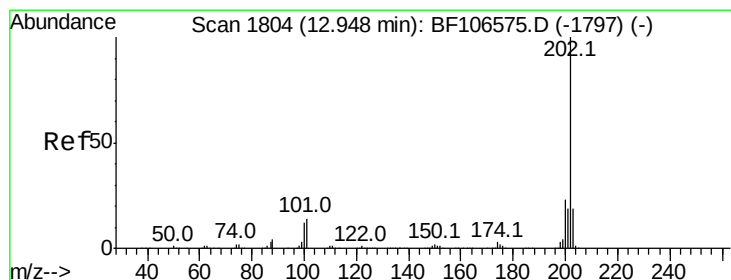
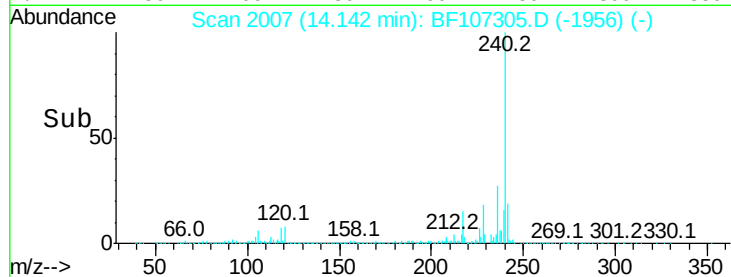
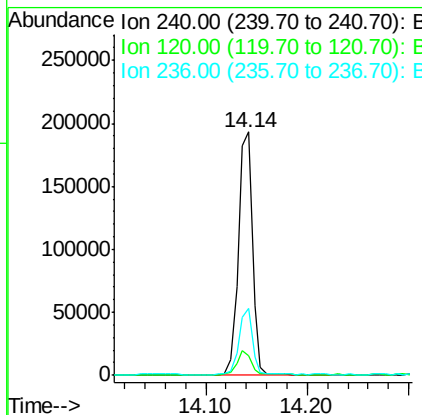
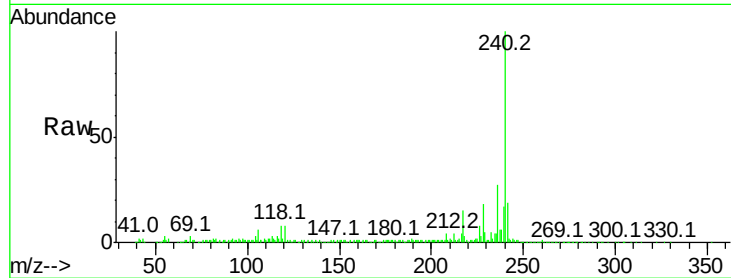
ClientSampleId :

SURCHARGE-SP-20

Tot Ion:	240	Resp:	184856
Ion Ratio	Lower	Upper	
240	100		
120	8.3	9.5	14.3#
236	27.3	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 28.100 ng

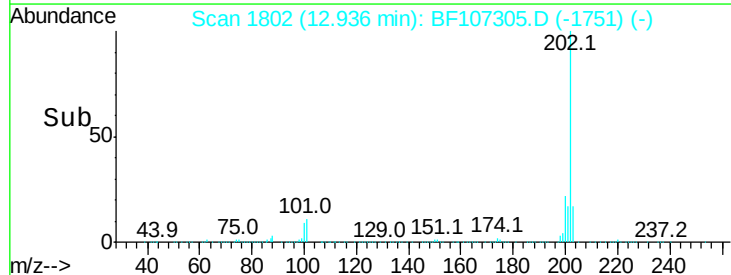
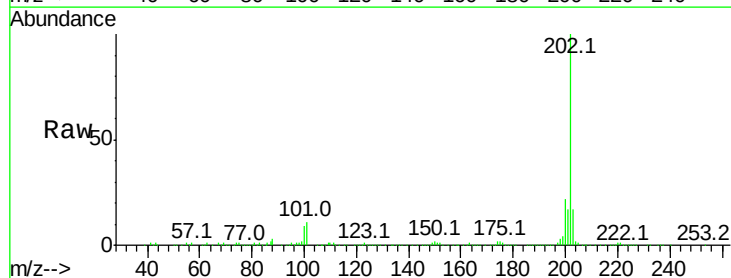
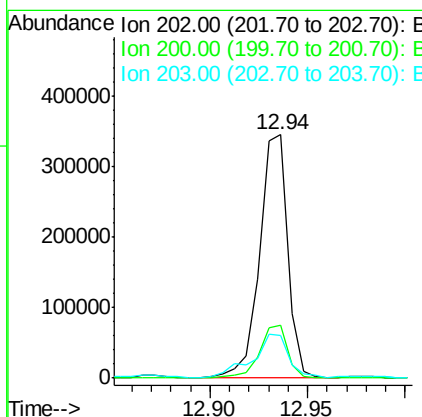
RT: 12.94 min Scan# 1802

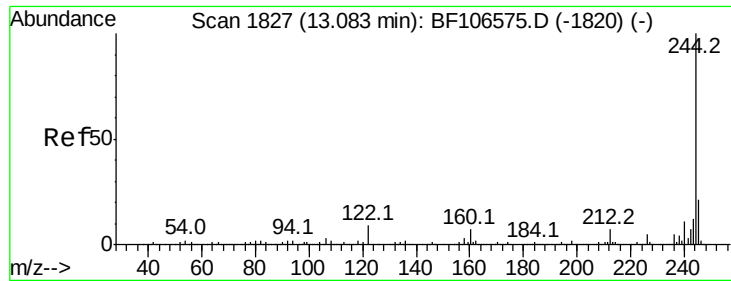
Delta R.T. -0.00 min

Lab File: BF107305.D

Acq: 11 Jul 2018 17:32

Tgt Ion:	202	Resp:	342535
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.4	14.3	21.5





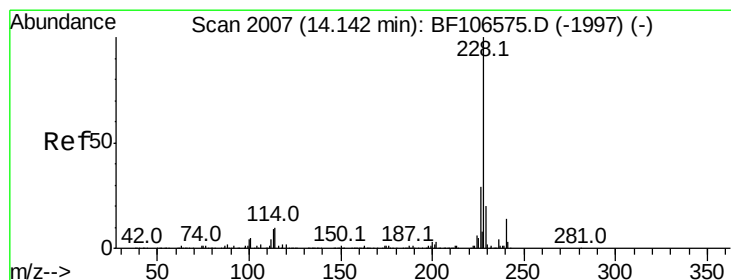
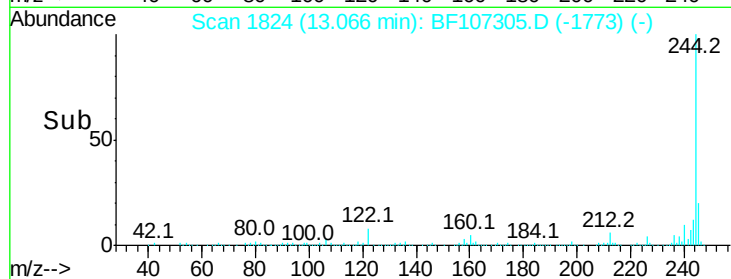
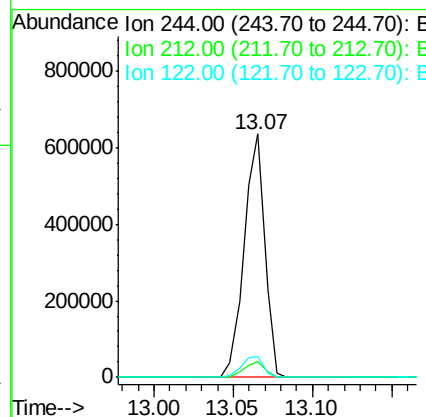
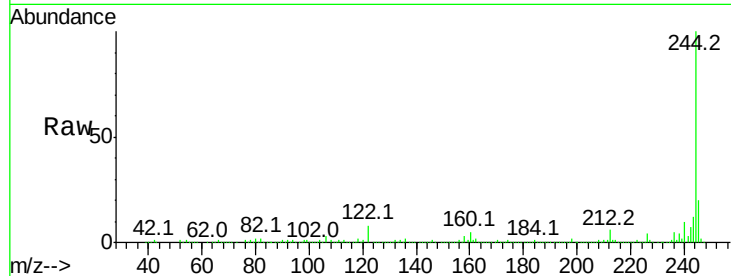
#78
 Terphenyl-d14
 Concen: 75.254 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF107305.D
 Acq: 11 Jul 2018 17:32

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.4	11.0	16.4

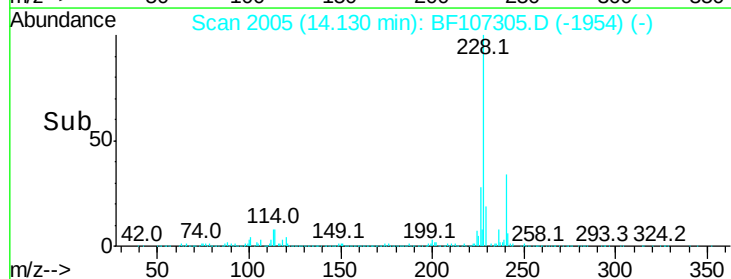
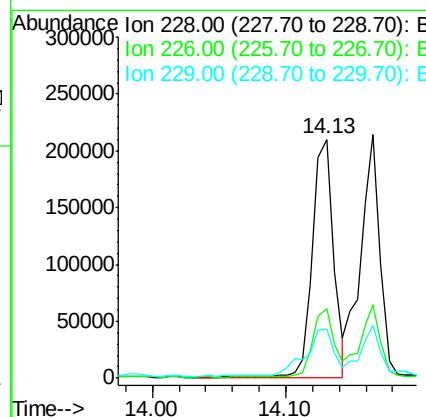
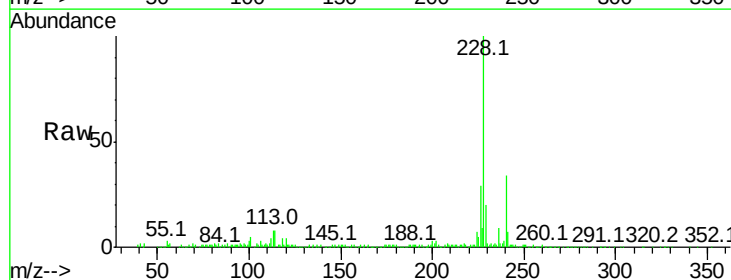
Manual Integrations
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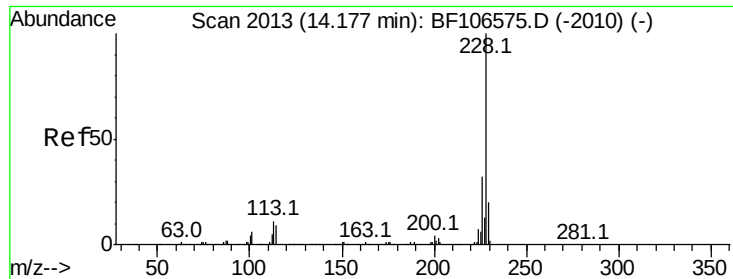
Sohil
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#80
 Benzo(a)anthracene
 Concen: 20.043 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: BF107305.D
 Acq: 11 Jul 2018 17:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.4	15.8	23.6





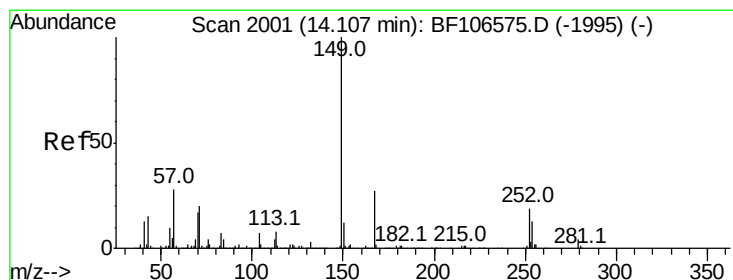
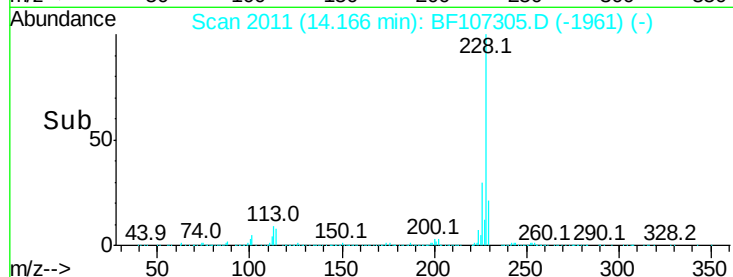
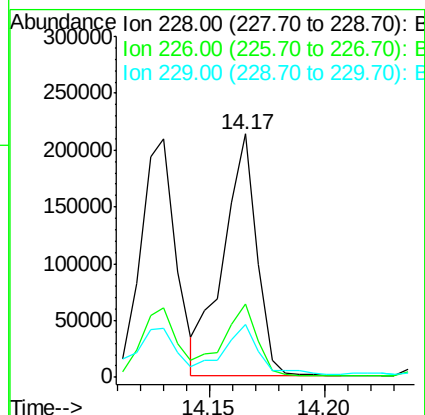
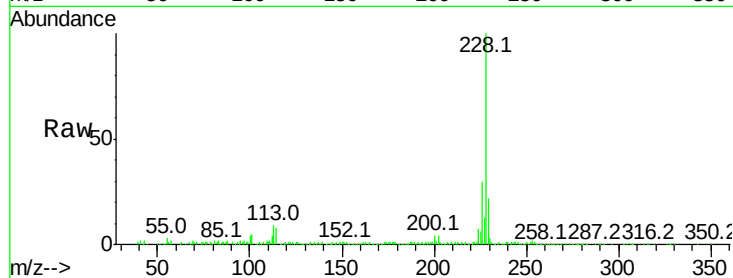
#82
Chrysene
Concen: 20.831 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion:	228	Resp:	215912
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	22.0	16.2	24.4

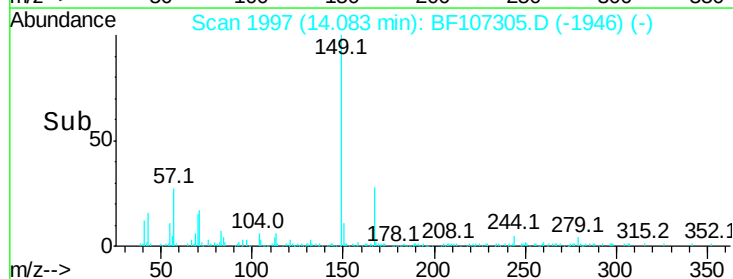
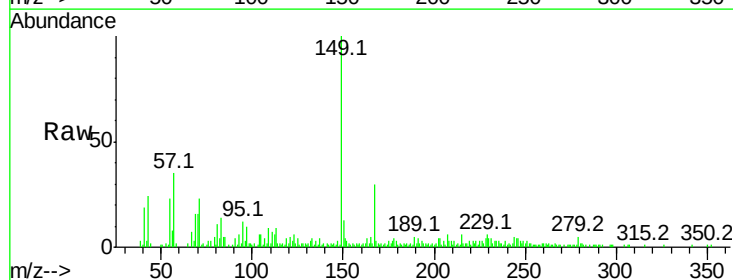
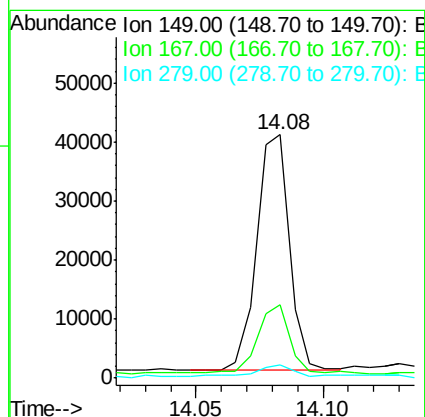
Manual Integrations
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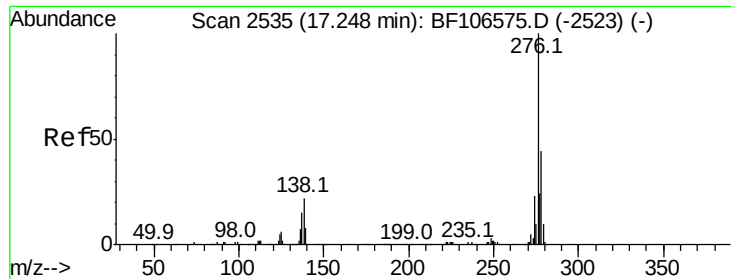
Sohil
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#83
Bis(2-ethylhexyl)phthalate
Concen: 5.614 ng
RT: 14.08 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Tgt Ion:	149	Resp:	35971
Ion Ratio	Lower	Upper	
149	100		
167	30.0	21.3	31.9
279	5.3	3.0	4.4#





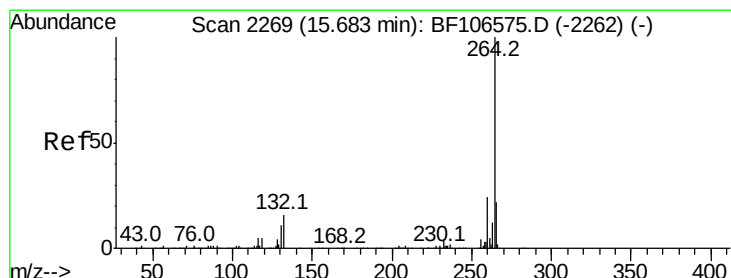
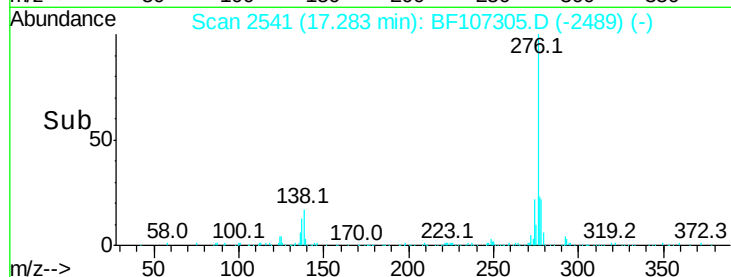
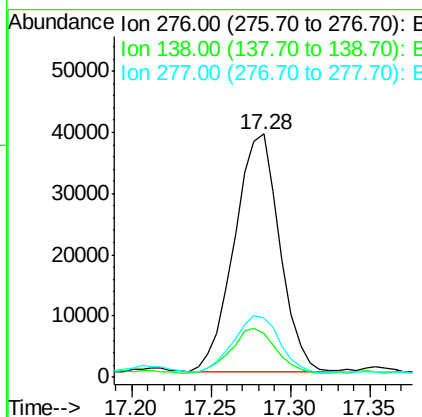
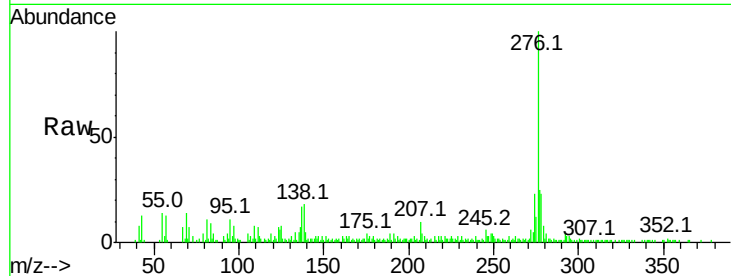
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.740 ng
 RT: 17.28 min Scan# 2541
 Delta R.T. 0.01 min
 Lab File: BF107305.D
 Acq: 11 Jul 2018 17:32

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	25.0	37.6#
277	24.4	20.1	30.1

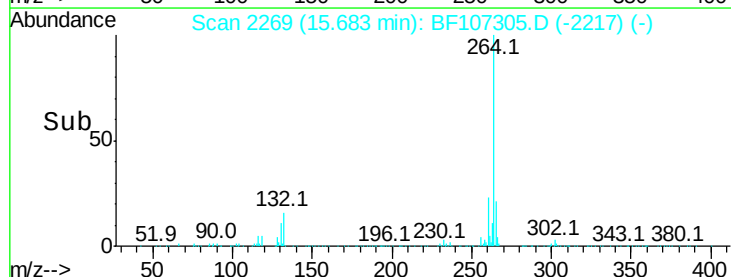
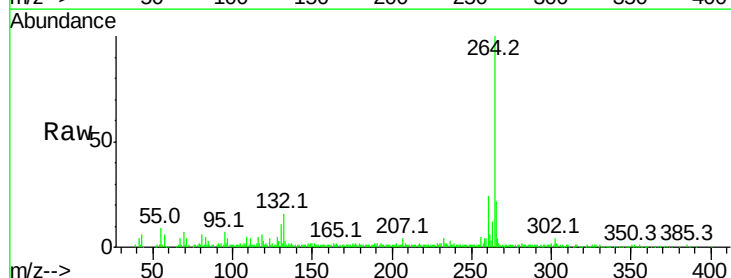
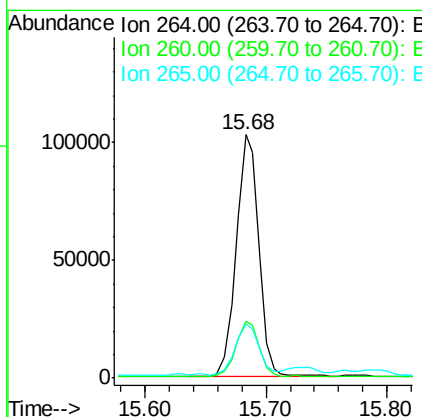
Manual Integrations
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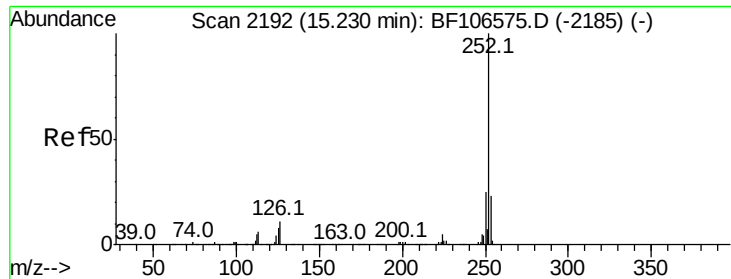
Sohil
 7/12/2018 2:19:31 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF107305.D
 Acq: 11 Jul 2018 17:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.1	17.5	26.3





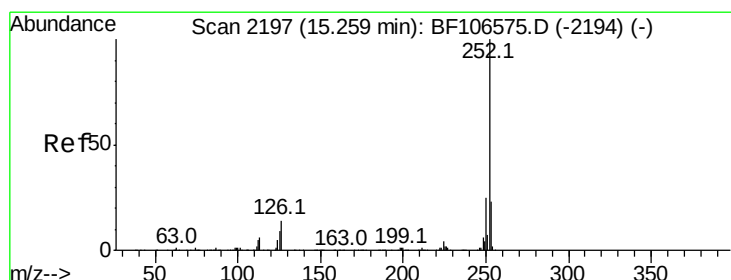
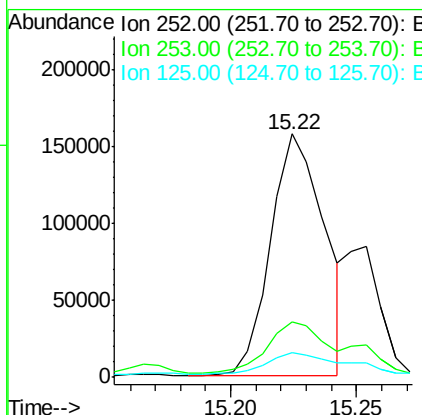
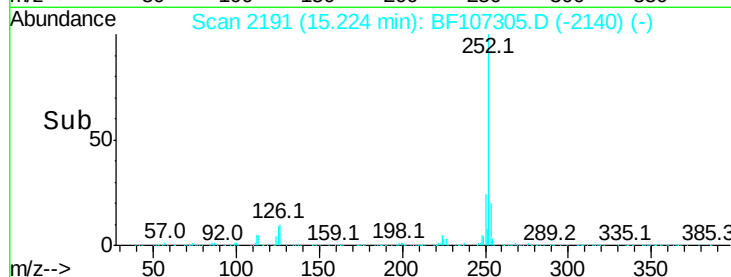
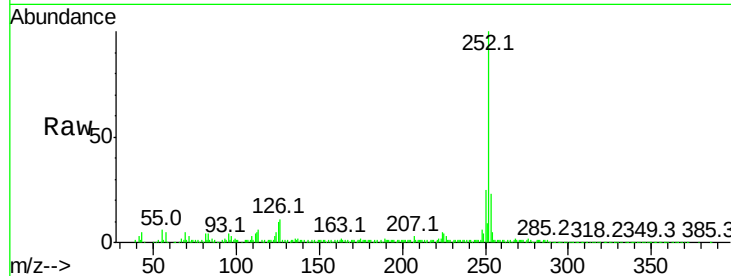
#87
Benzo(b)fluoranthene
Concen: 28.114 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	10.1	9.0	13.6

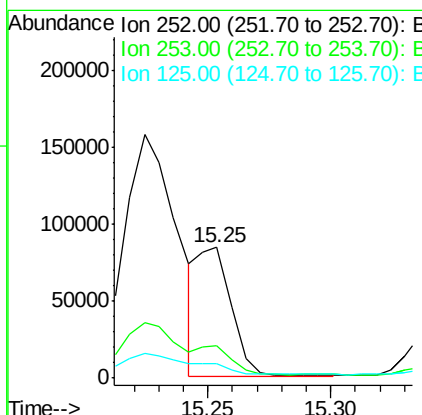
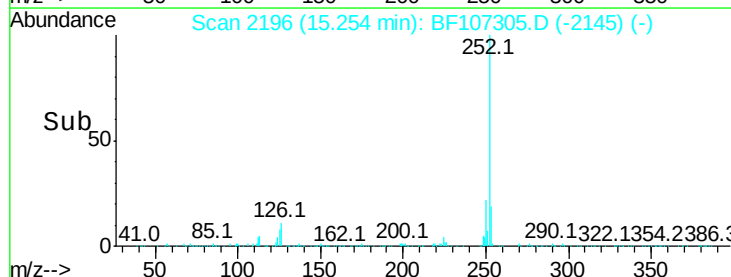
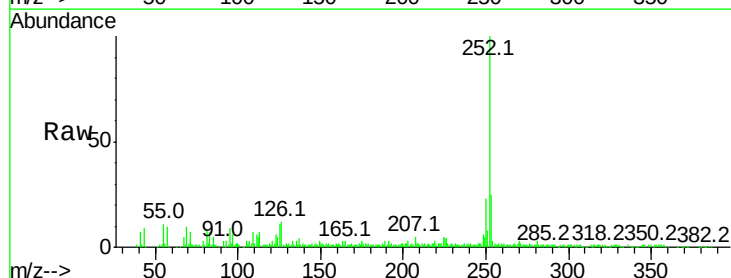
Manual Integrations
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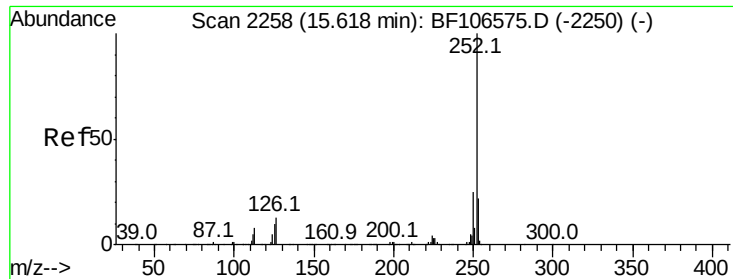
Sohil
7/12/2018 2:19:31 PM



#88
Benzo(k)fluoranthene
Concen: 10.154 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF107305.D
Acq: 11 Jul 2018 17:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	11.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 19.791 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.00 min

Lab File: BF107305.D

Acq: 11 Jul 2018 17:32

Instrument :

BNA_F

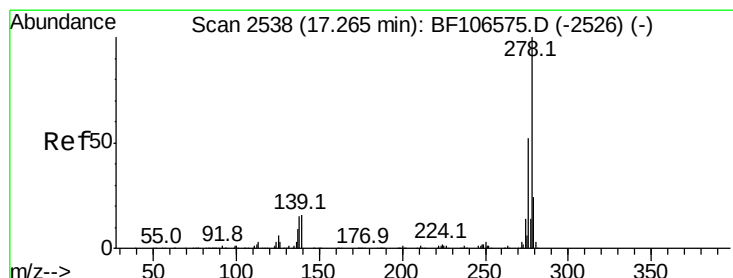
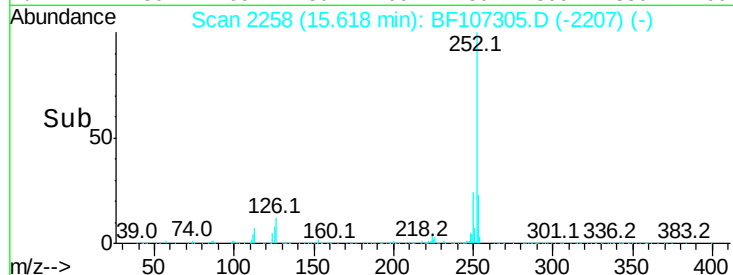
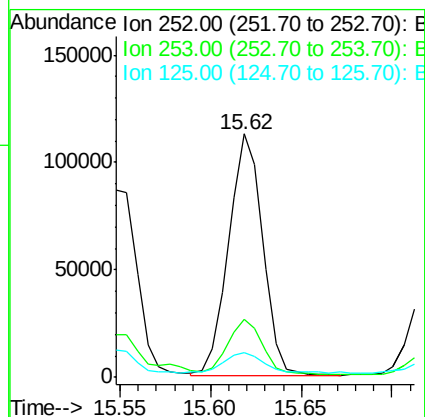
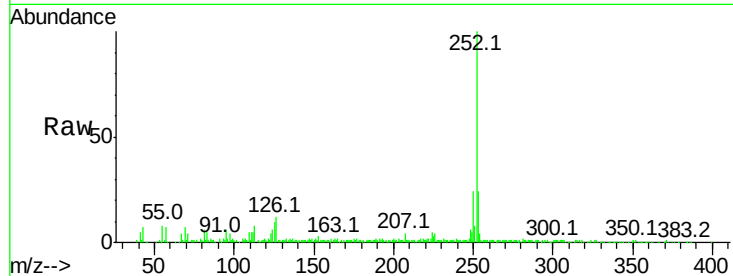
ClientSampleId :

SURCHARGE-SP-20

Tot Ion:	252	Resp:	146535
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.1	25.7
125	10.3	9.8	14.6

Manual Integrations
APPROVED

Sohil
7/12/2018 2:19:31 PM



#90

Dibenzo(a,h)anthracene

Concen: 3.475 ng

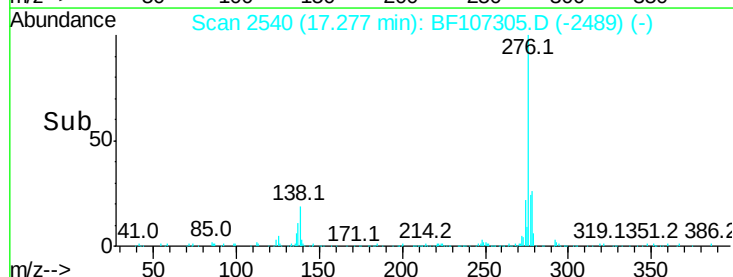
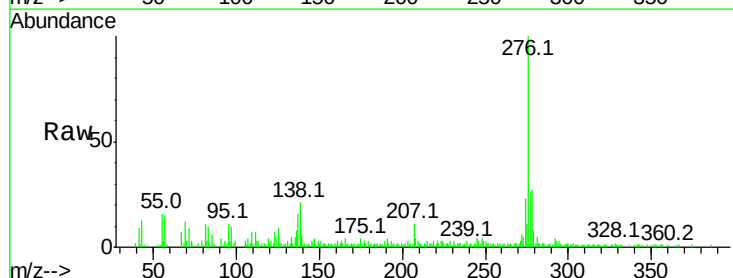
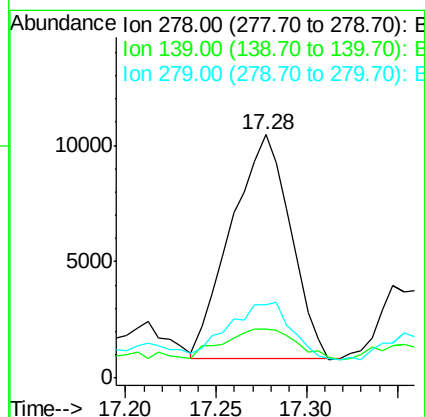
RT: 17.28 min Scan# 2540

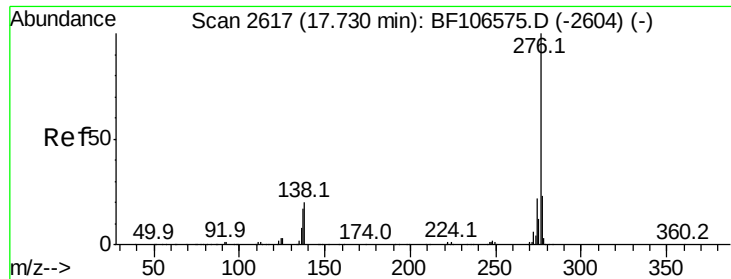
Delta R.T. -0.00 min

Lab File: BF107305.D

Acq: 11 Jul 2018 17:32

Tgt Ion:	278	Resp:	21806
Ion Ratio	Lower	Upper	
278	100		
139	20.3	15.9	23.9
279	30.3	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 12.554 ng
 RT: 17.77 min Scan# 2624
 Delta R.T. 0.01 min
 Lab File: BF107305.D
 Acq: 11 Jul 2018 17:32

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	19.1	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/12/2018 2:19:31 PM

