

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
 Data File : BF107269.D
 Acq On : 10 Jul 2018 13:41
 Operator : JU/SJ
 Sample : J3879-17RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-9RE

Manual Integrations
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 7/11/2018 11:22:33 AM

Quant Time: Jul 10 15:57:32 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	37269	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	124153	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	55474	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	111655	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	110565	20.00	ng	-0.02
86) Perylene-d12	15.68	264	82707	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	232679	105.72	ng	-0.01
7) Phenol-d6	6.59	99	277581	100.99	ng	-0.02
23) Nitrobenzene-d5	7.51	82	170615	76.37	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	72257	112.38	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	291269	89.69	ng	-0.03
78) Terphenyl-d14	13.07	244	376206	82.42	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	6520	2.079	ng	Qvalue 77
31) Naphthalene	8.24	128	11733	2.021	ng	99
48) Acenaphthylene	9.85	152	14574	2.653	ng	99
49) Dimethylphthalate	9.69	163	66898	16.079	ng	99
57) Fluorene	10.53	166	7521	2.001	ng	# 95
70) Phenanthrene	11.50	178	90240	16.757	ng	99
71) Anthracene	11.55	178	46408	8.443	ng	100
72) Carbazole	11.71	167	12102	2.352	ng	98
74) Fluoranthene	12.70	202	233115	39.273	ng	96
77) Pyrene	12.94	202	223145	30.606	ng	98
80) Benzo(a)anthracene	14.13	228	135632	20.128	ng	99
82) Chrysene	14.17	228	131140	21.153	ng	99
85) Indeno(1,2,3-cd)pyrene	17.27	276	46614	8.860	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	137783m	26.818	ng	
88) Benzo(k)fluoranthene	15.25	252	37149m	7.593	ng	
89) Benzo(a)pyrene	15.61	252	82280	18.015	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	14290	3.692	ng	# 85
91) Benzo(g,h,i)perylene	17.76	276	45037	11.904	ng	# 89

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

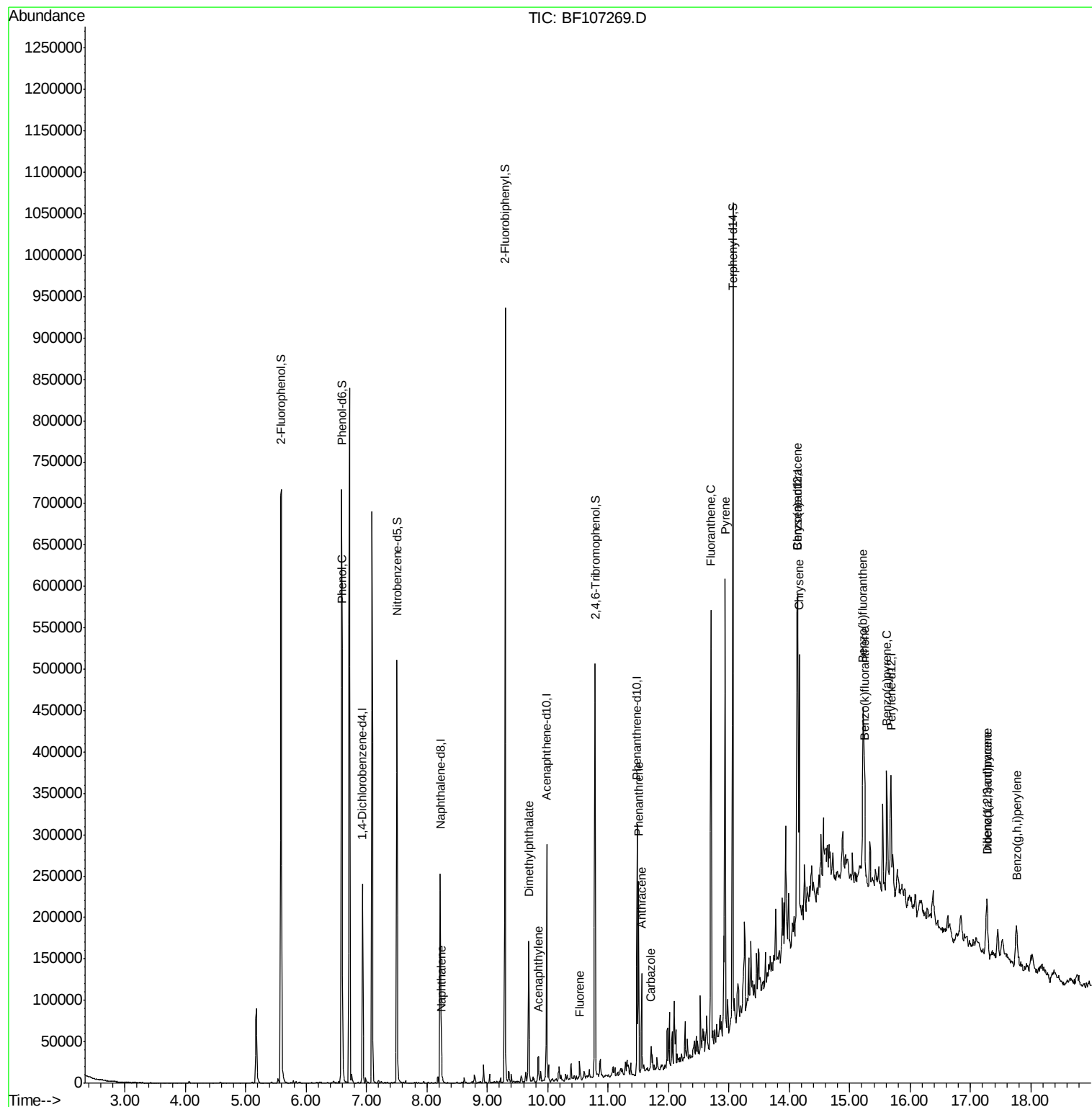
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
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ALS Vial : 9 Sample Multiplier: 1

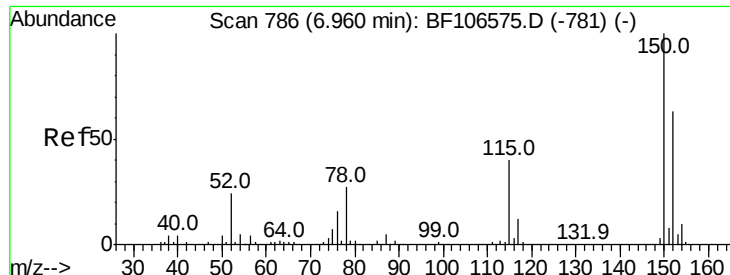
Instrument :
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SURCHARGE-SP-9RE

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

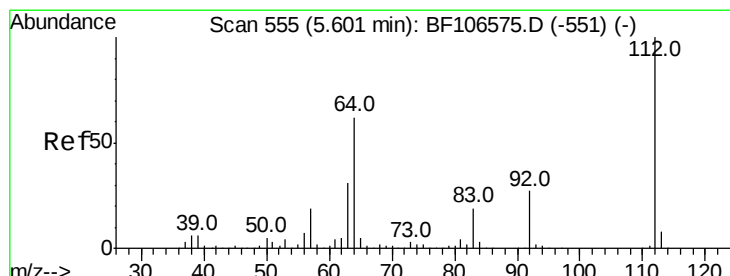
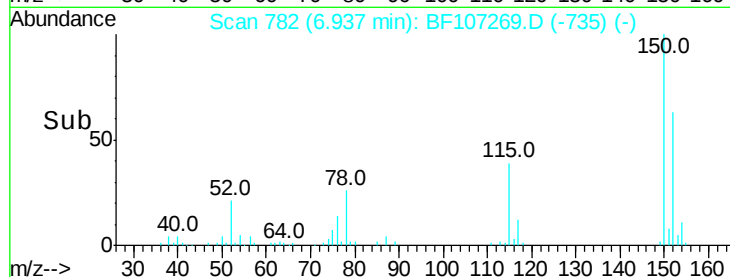
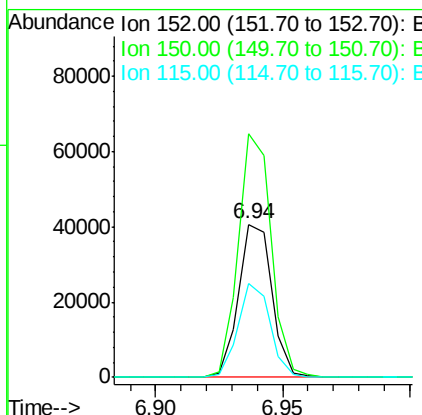
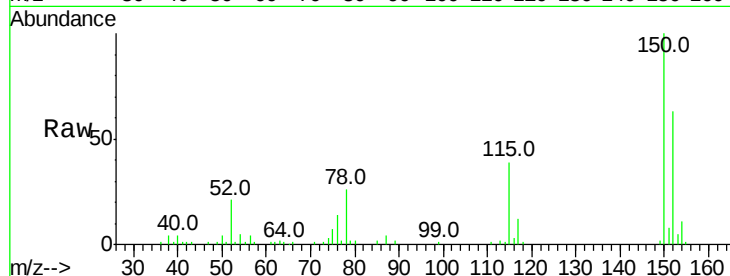
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	61.8	50.1	75.1

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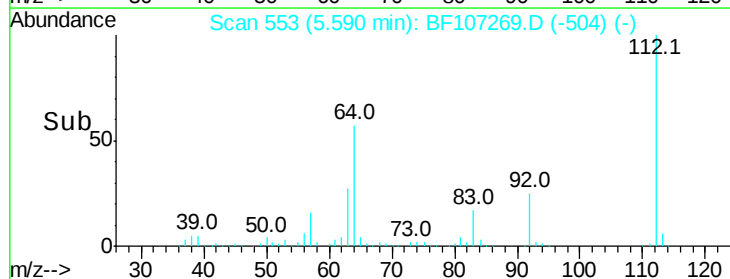
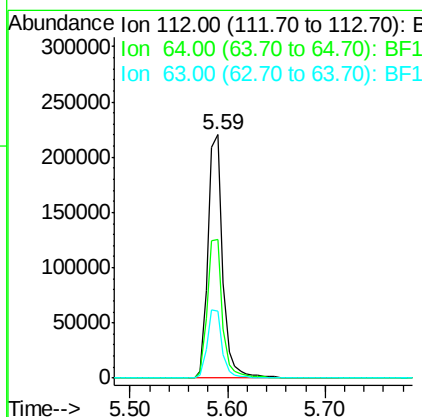
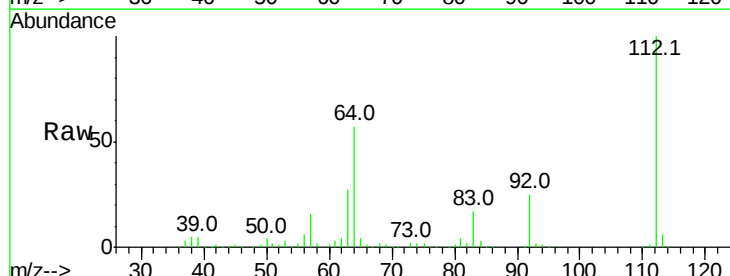
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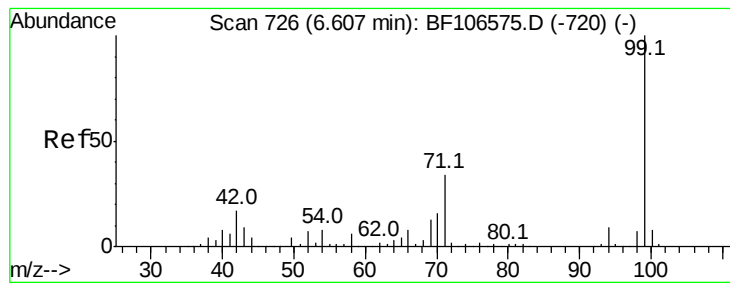


#5

2-Fluorophenol
Concen: 105.718 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	27.4	23.7	35.5





#7

Phenol-d6

Concen: 100.992 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107269.D

Acq: 10 Jul 2018 13:41

Instrument :

BNA_F

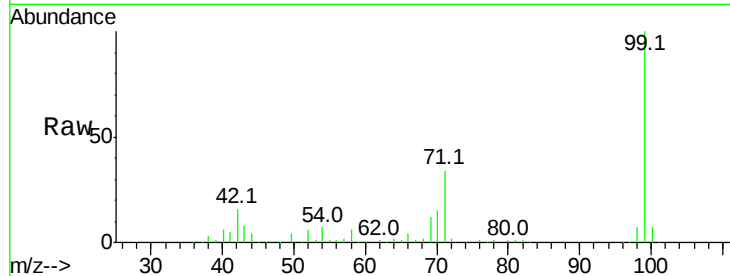
ClientSampleId :

SURCHARGE-SP-9RE

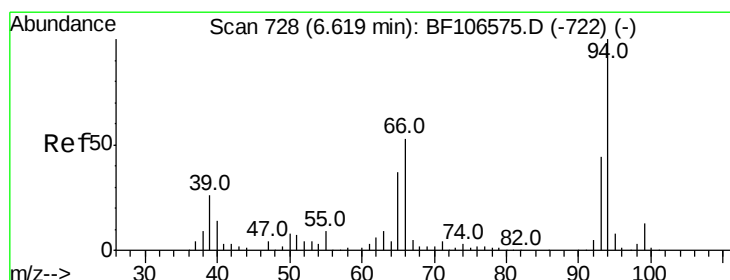
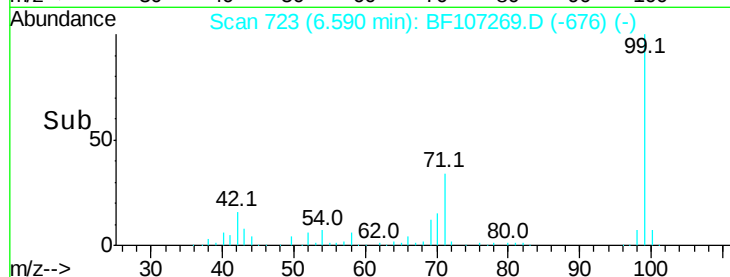
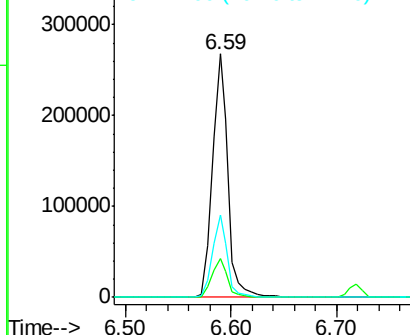
Tot Ion:	99	Resp:	277581
Ion Ratio	Lower	Upper	
99	100		
42	16.1	14.5	21.7
71	33.8	25.4	38.0

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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



#10

Phenol

Concen: 2.079 ng

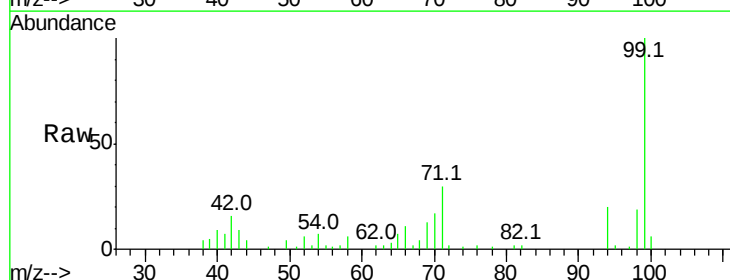
RT: 6.60 min Scan# 725

Delta R.T. -0.02 min

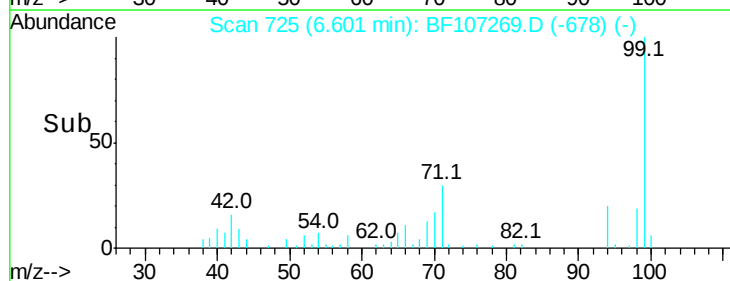
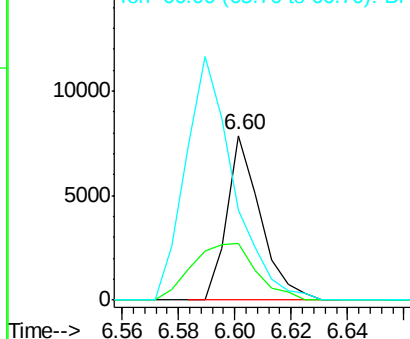
Lab File: BF107269.D

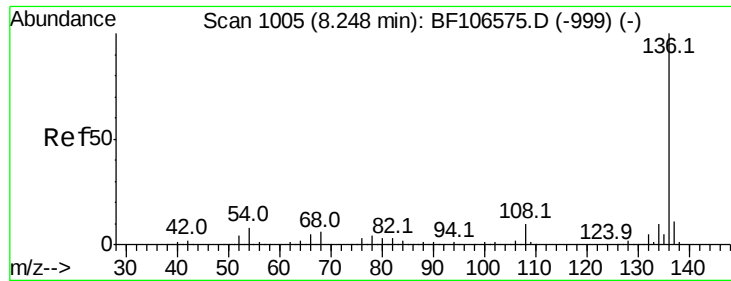
Acq: 10 Jul 2018 13:41

Tgt Ion:	94	Resp:	6520
Ion Ratio	Lower	Upper	
94	100		
65	34.3	7.9	47.9
66	54.5	16.2	56.2



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





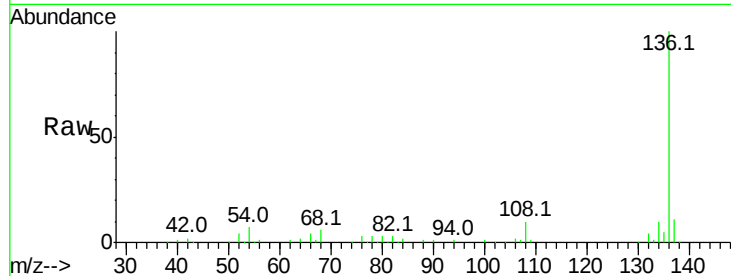
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9RE

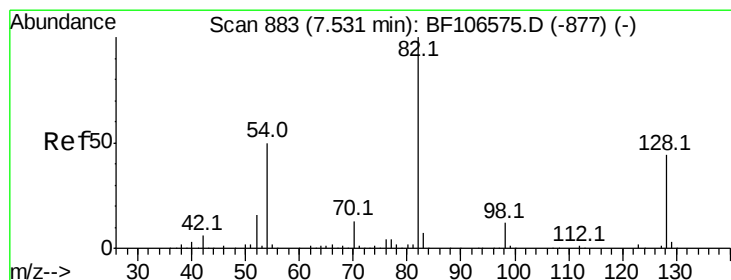
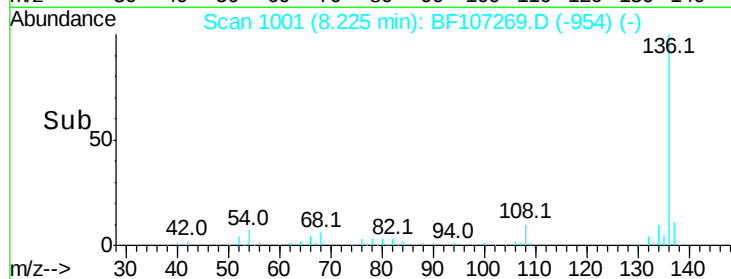
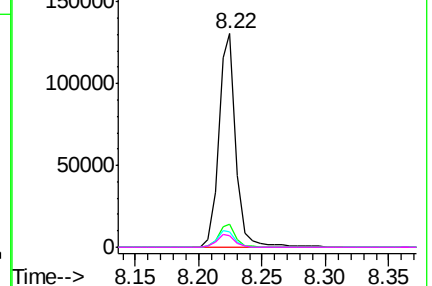
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	7.3	6.6	9.8	
68	5.6	5.0	7.4	

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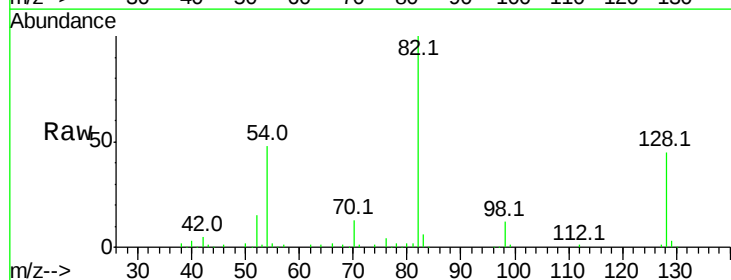


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
150000
Ion 54.00 (53.70 to 54.70): BF1
100000
Ion 68.00 (67.70 to 68.70): BF1
50000
0

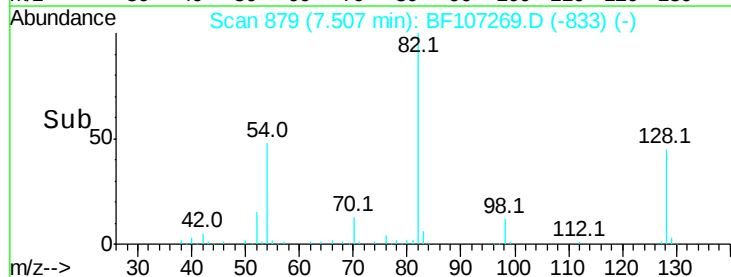
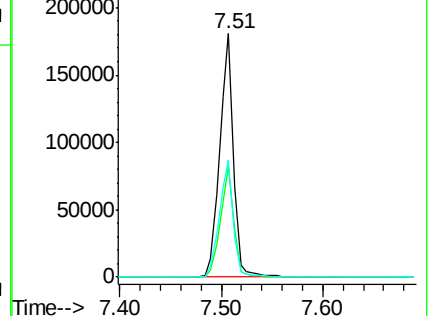


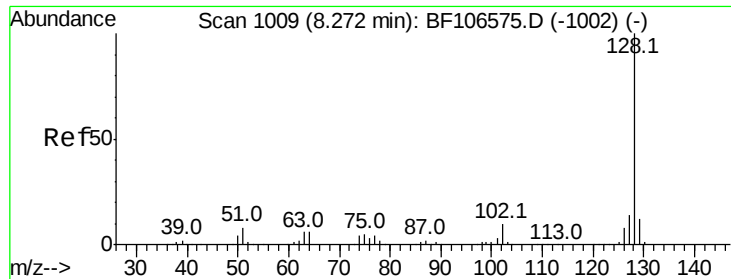
#23
Nitrobenzene-d5
Concen: 76.371 ng
RT: 7.51 min Scan# 879
Delta R.T. -0.03 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.4	36.1	54.1	
54	48.2	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
250000
Ion 128.00 (127.70 to 128.70): E
200000
Ion 54.00 (53.70 to 54.70): BF1
150000
100000
50000
0





#31

Naphthalene

Concen: 2.021 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.03 min

Lab File: BF107269.D

Acq: 10 Jul 2018 13:41

Instrument :

BNA_F

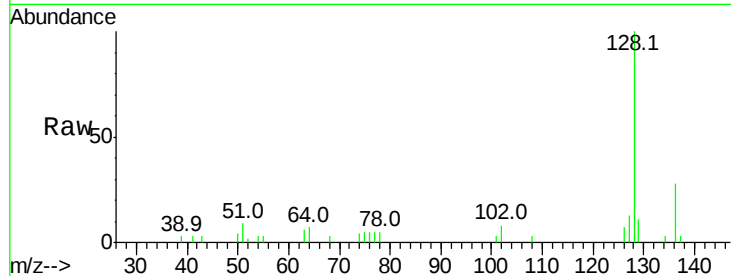
ClientSampleId :

SURCHARGE-SP-9RE

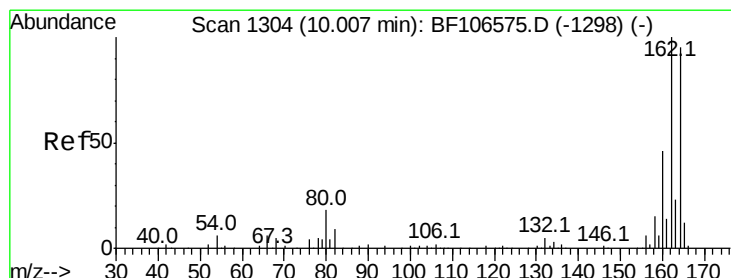
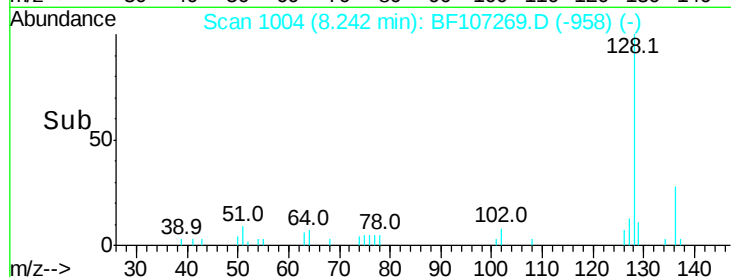
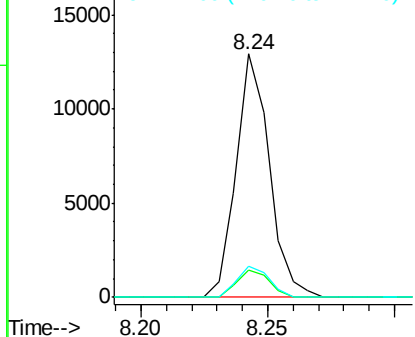
Tot Ion:	128	Resp:	11733
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.8	13.2
127	12.8	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1300

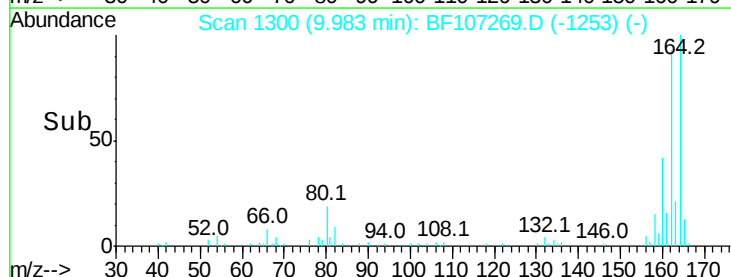
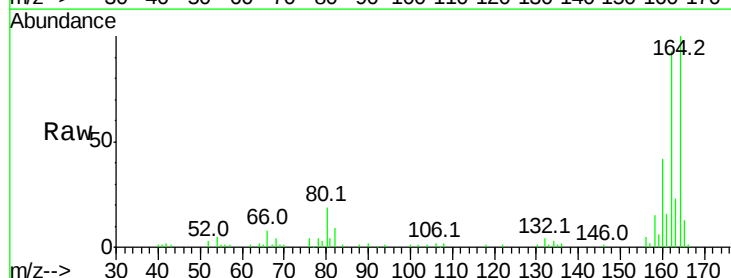
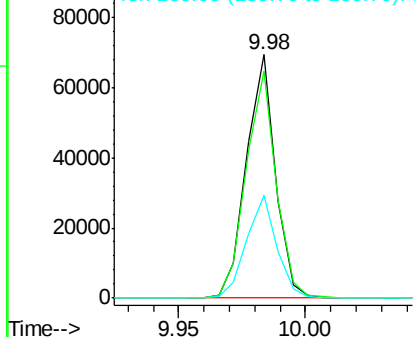
Delta R.T. -0.02 min

Lab File: BF107269.D

Acq: 10 Jul 2018 13:41

Tgt Ion:	164	Resp:	55474
Ion Ratio	Lower	Upper	
164	100		
162	93.0	86.1	129.1
160	42.3	38.3	57.5

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: 112.382 ng

RT: 10.78 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF107269.D

Acq: 10 Jul 2018 13:41

Instrument :

BNA_F

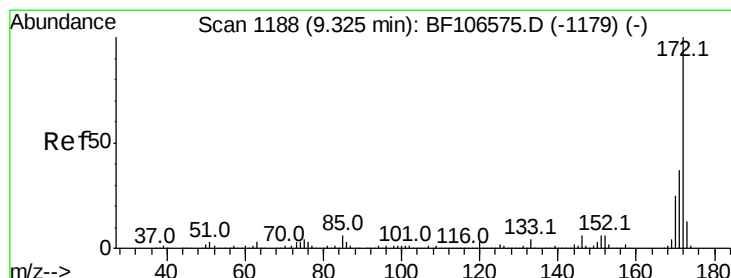
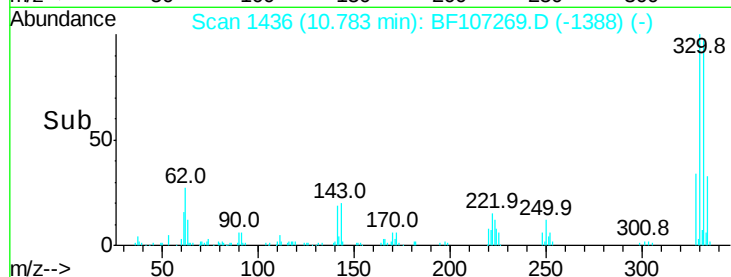
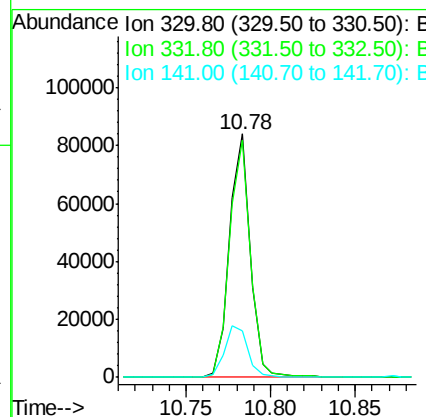
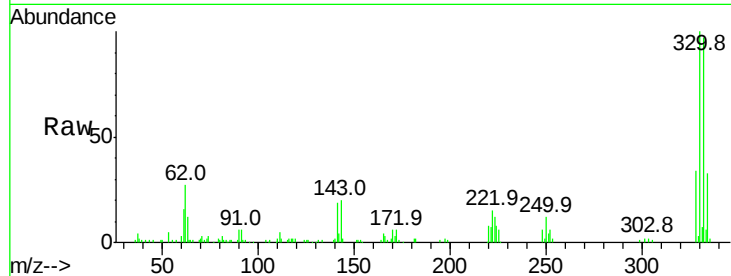
ClientSampleId :

SURCHARGE-SP-9RE

Tot Ion:	330	Resp:	72257
Ion Ratio	Lower	Upper	
330	100		
332	98.1	77.0	115.6
141	23.8	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 89.685 ng

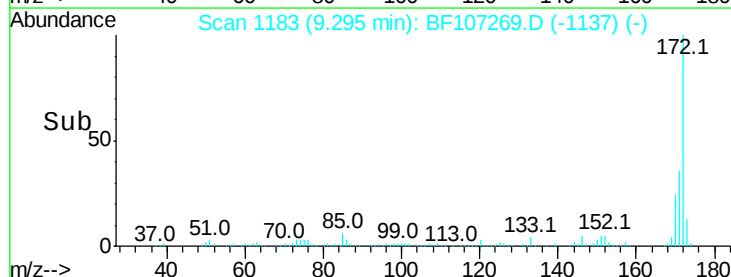
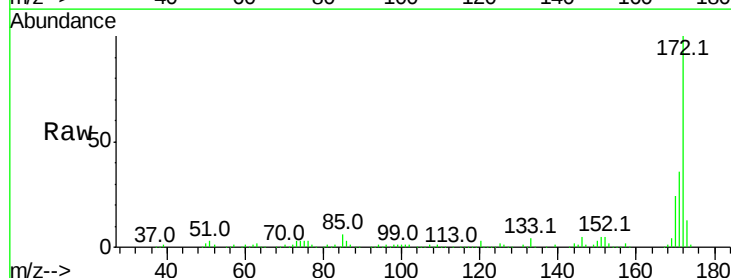
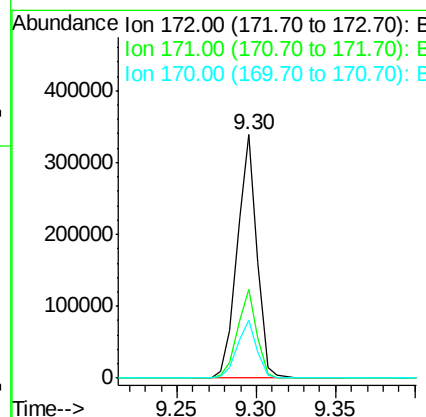
RT: 9.30 min Scan# 1183

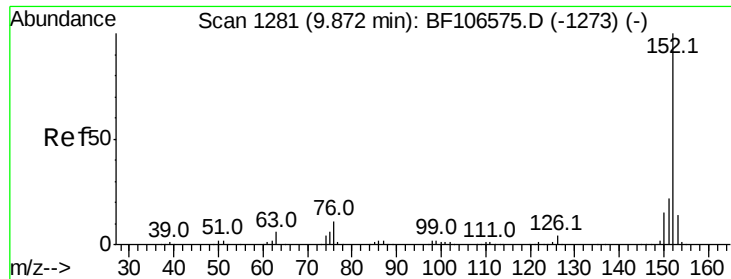
Delta R.T. -0.03 min

Lab File: BF107269.D

Acq: 10 Jul 2018 13:41

Tgt Ion:	172	Resp:	291269
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.7	44.5
170	24.0	19.6	29.4





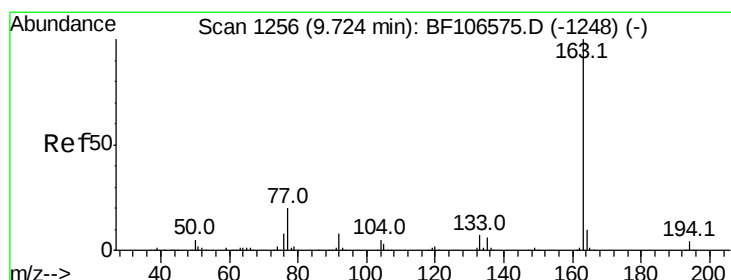
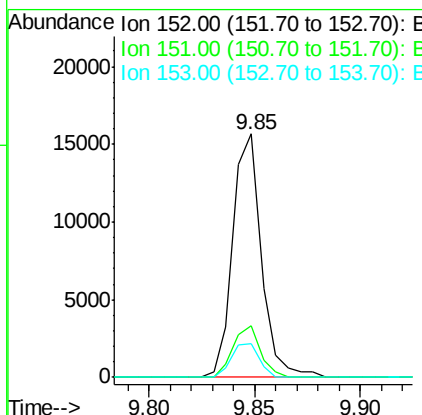
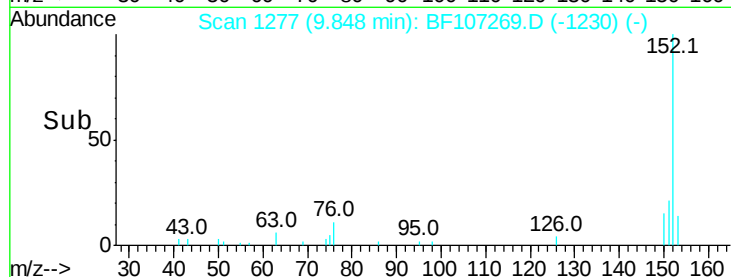
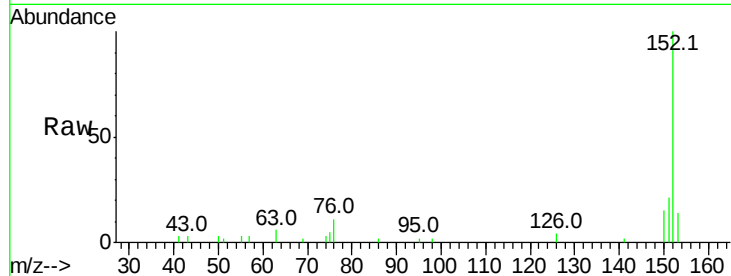
#48
Acenaphthylene
Concen: 2.653 ng
RT: 9.85 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9RE

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.3	24.5
153	13.9	10.7	16.1

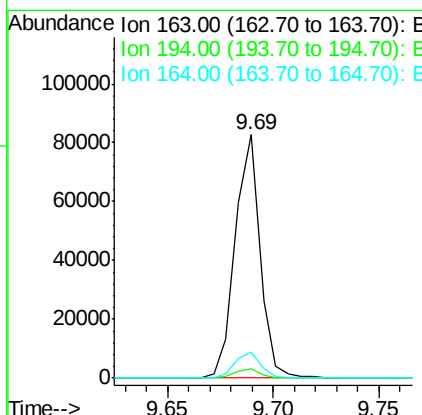
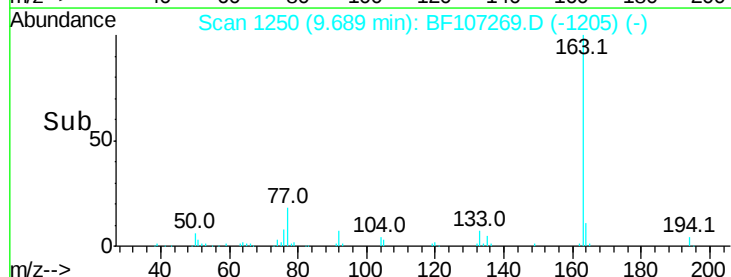
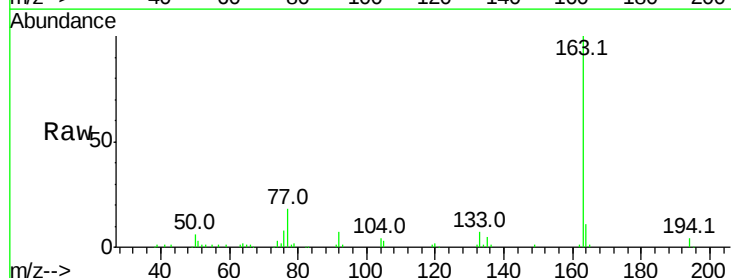
Manual Integrations
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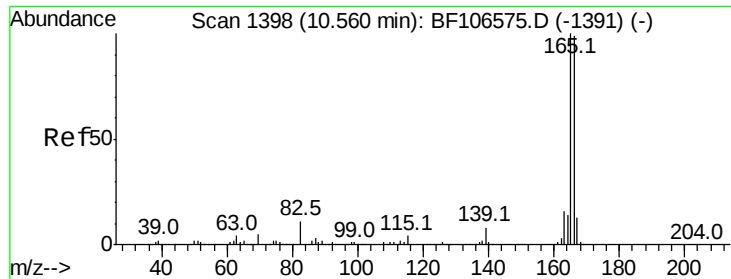
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#49
Dimethylphthalate
Concen: 16.079 ng
RT: 9.69 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.8	8.2	12.2





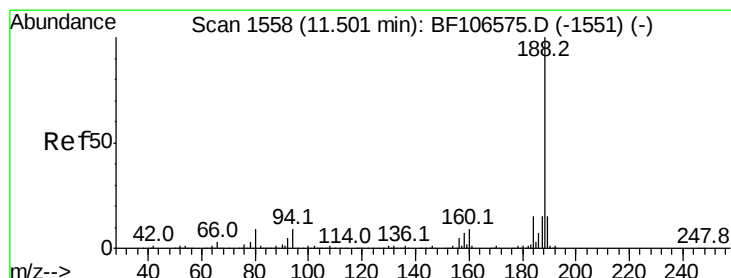
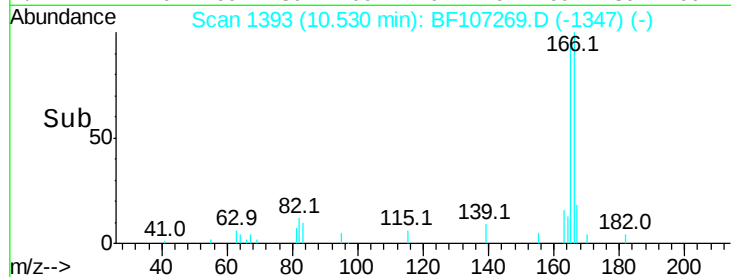
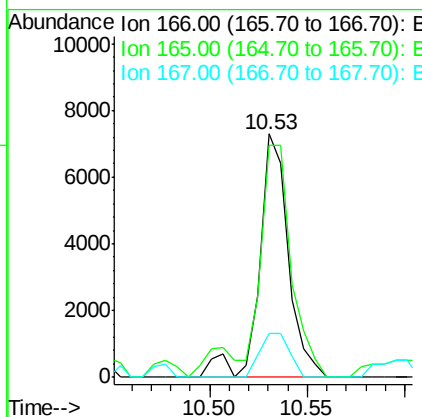
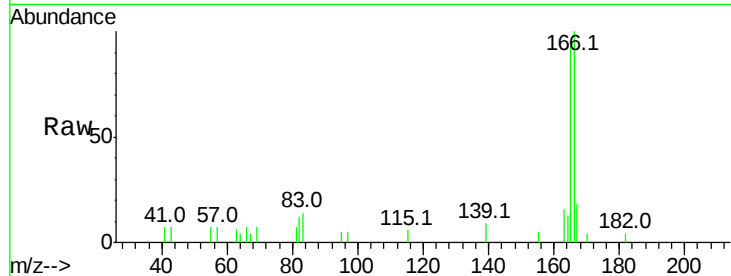
#57
Fluorene
 Concen: 2.001 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.03 min
 Lab File: BF107269.D
 Acq: 10 Jul 2018 13:41

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-9RE

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.2	79.8	119.8
167	17.9	10.6	16.0

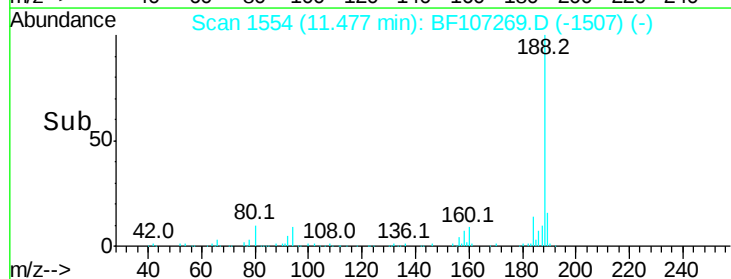
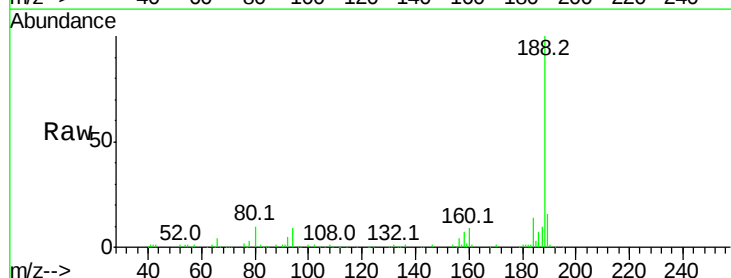
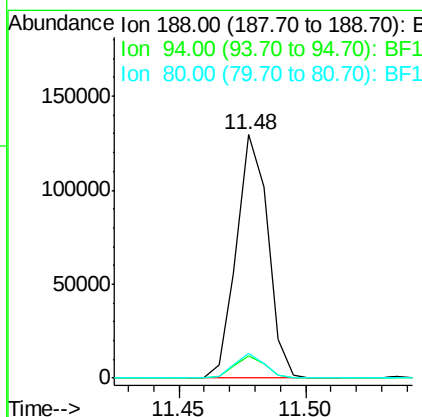
Manual Integrations
 APPROVED

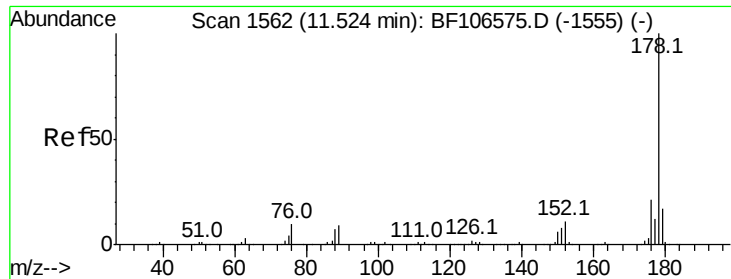
Sohil
 7/11/2018 11:22:33 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: BF107269.D
 Acq: 10 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.9	9.2	13.8





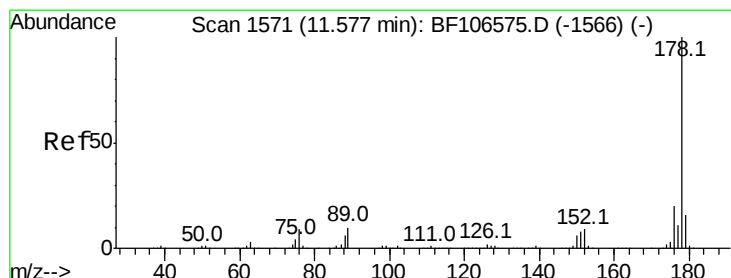
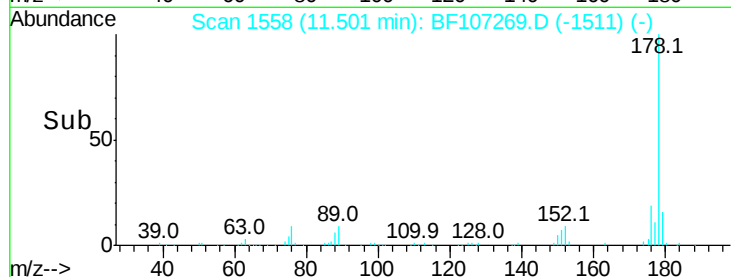
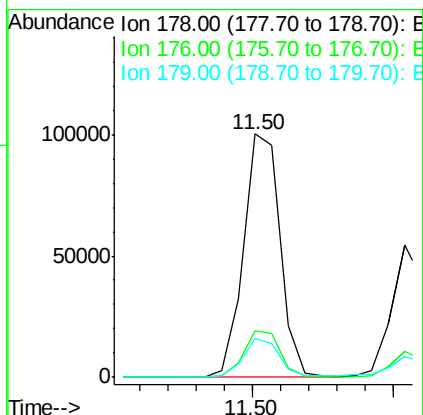
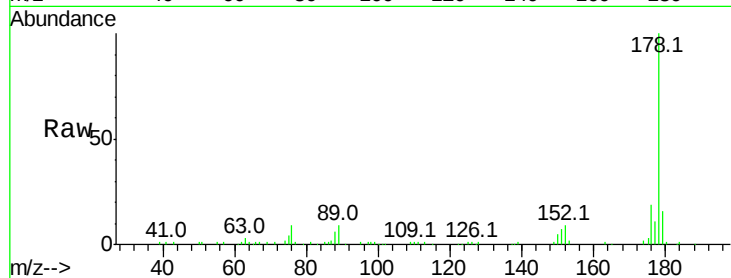
#70
Phenanthrene
Concen: 16.757 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.8	13.0	19.6

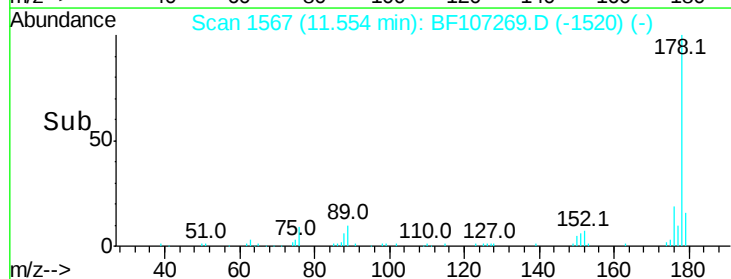
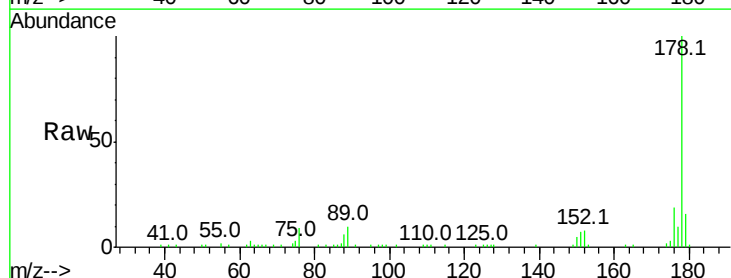
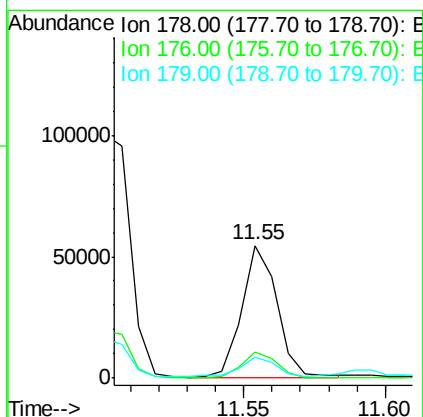
Manual Integrations
APPROVED

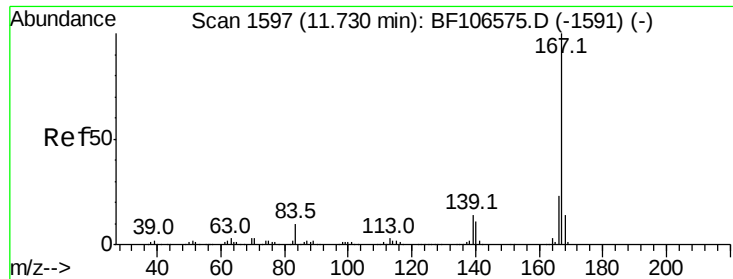
Sohil
7/11/2018 11:22:33 AM



#71
Anthracene
Concen: 8.443 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.1	12.6	19.0





#72

Carbazole

Concen: 2.352 ng

RT: 11.71 min Scan# 1594

Delta R.T. -0.02 min

Lab File: BF107269.D

Acq: 10 Jul 2018 13:41

Instrument :

BNA_F

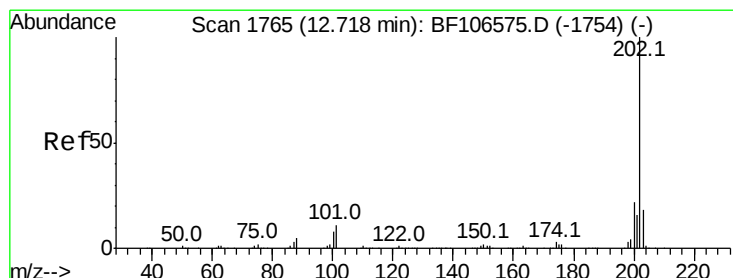
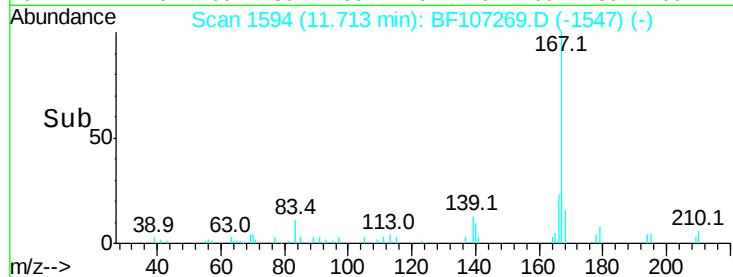
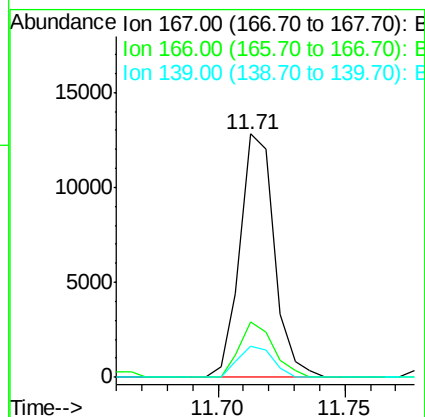
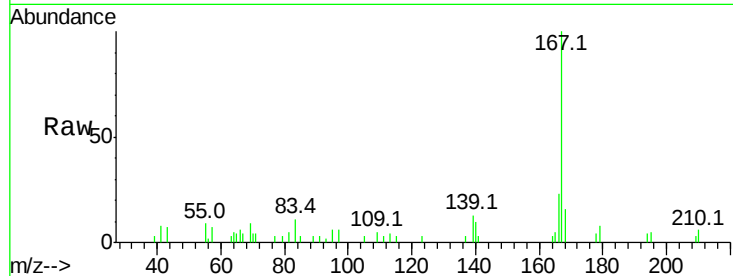
ClientSampleId :

SURCHARGE-SP-9RE

Tot Ion:167	Resp:	12102
Ion Ratio	Lower	Upper
167 100		
166 23.0	17.6	26.4
139 12.6	10.9	16.3

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#74

Fluoranthene

Concen: 39.273 ng

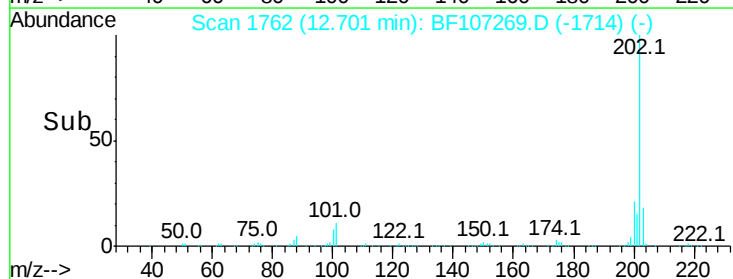
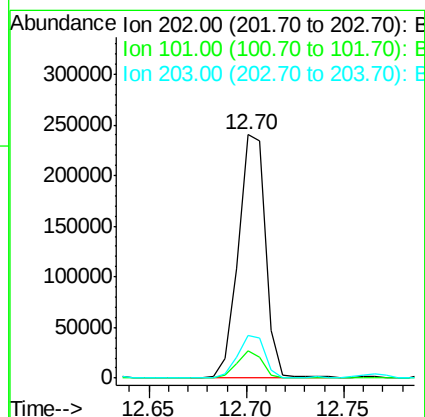
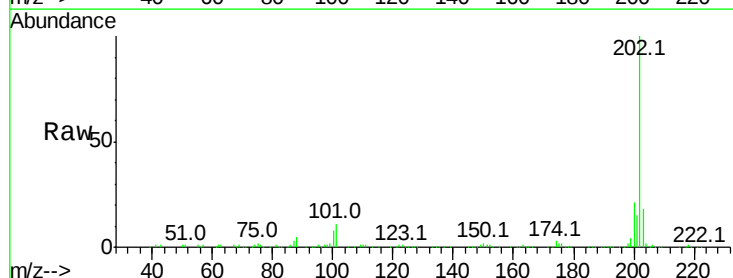
RT: 12.70 min Scan# 1762

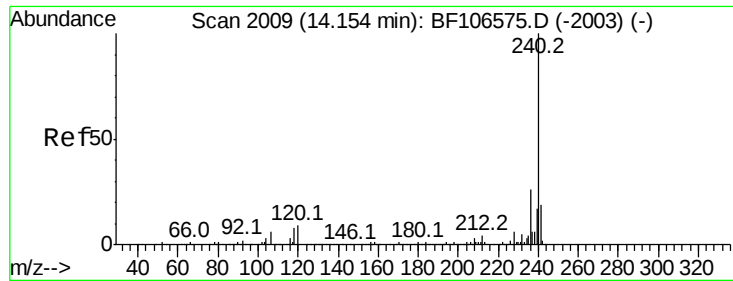
Delta R.T. -0.02 min

Lab File: BF107269.D

Acq: 10 Jul 2018 13:41

Tgt Ion:202	Resp:	233115
Ion Ratio	Lower	Upper
202 100		
101 11.0	0.0	34.1
203 17.7	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: BF107269.D

Acq: 10 Jul 2018 13:41

Instrument :

BNA_F

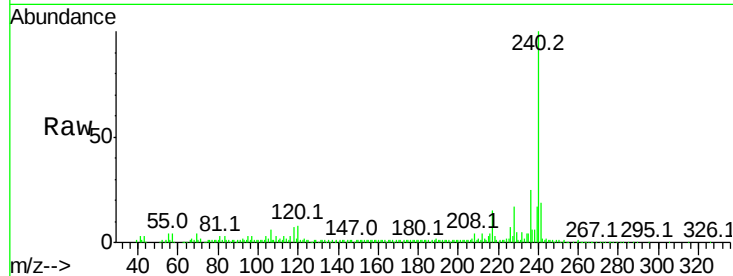
ClientSampleId :

SURCHARGE-SP-9RE

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.4	9.5	14.3#
236	25.4	20.7	31.1

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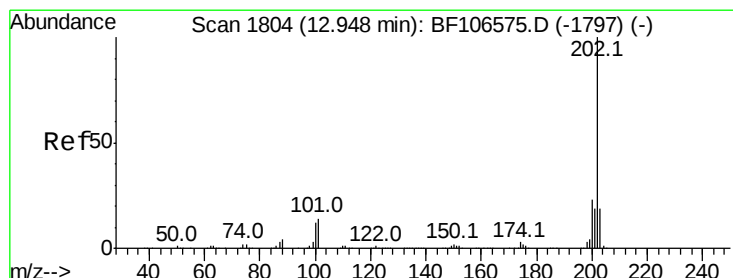
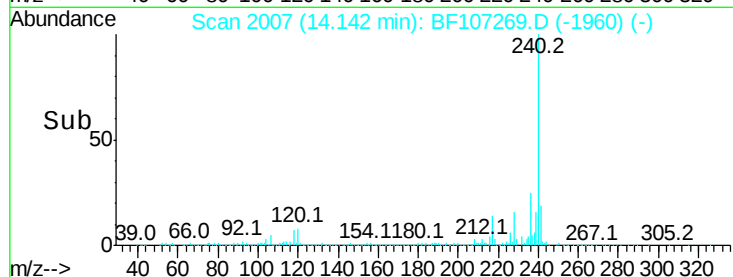
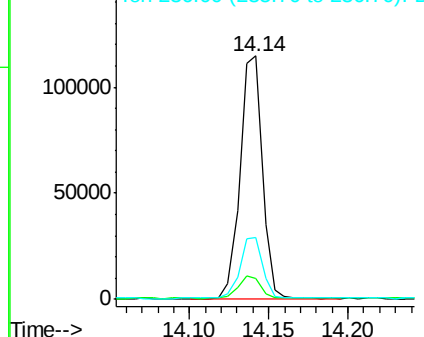
Sohil
7/11/2018 11:22:33 AM



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: 30.606 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107269.D

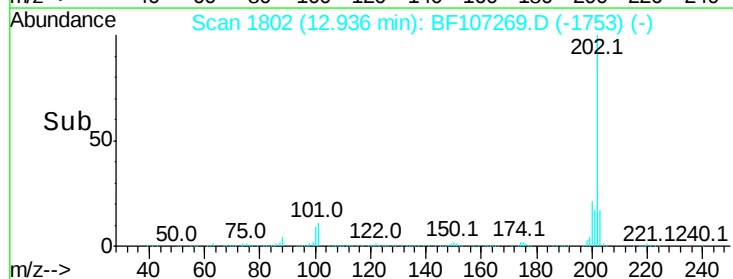
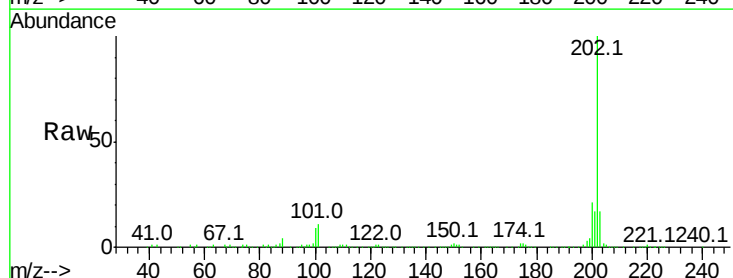
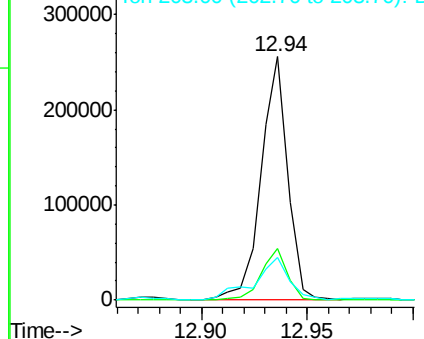
Acq: 10 Jul 2018 13:41

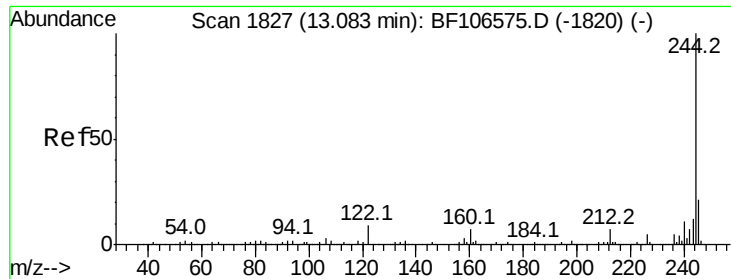
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.3	14.3	21.5

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





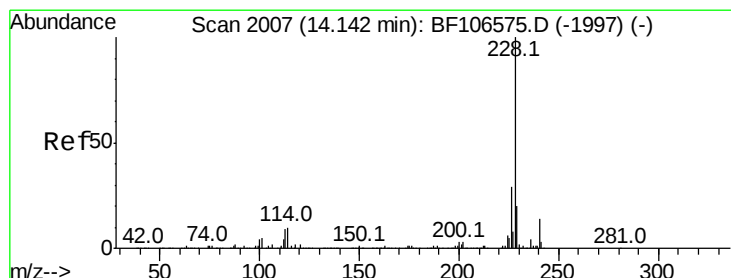
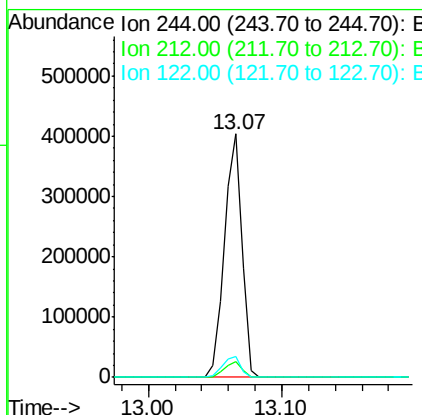
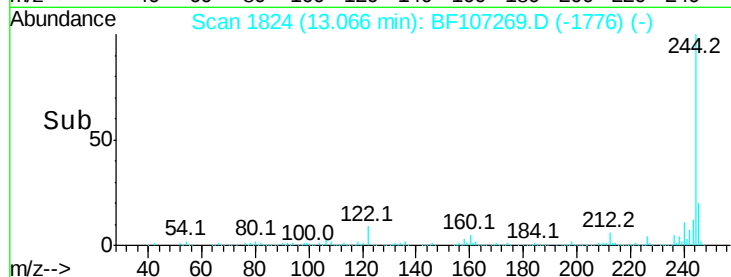
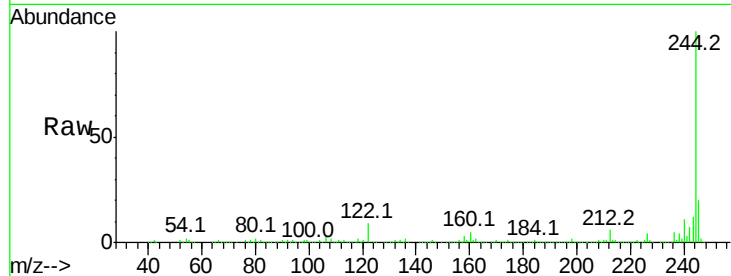
#78
 Terphenyl-d14
 Concen: 82.421 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107269.D
 Acq: 10 Jul 2018 13:41

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-9RE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.6	11.0	16.4

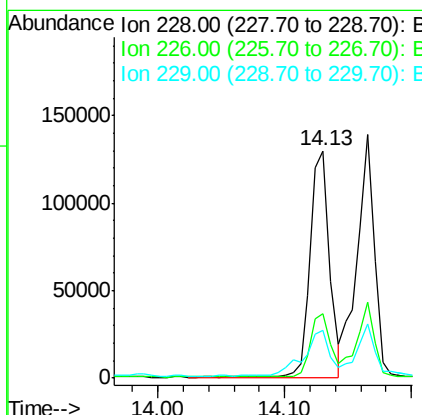
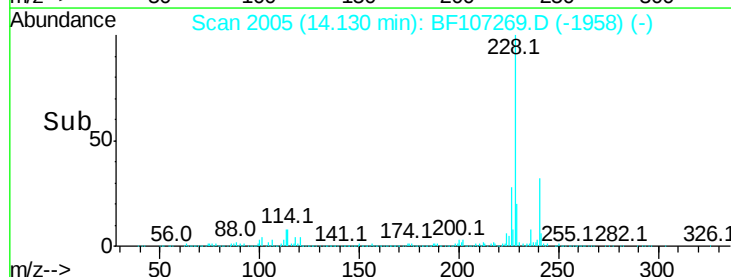
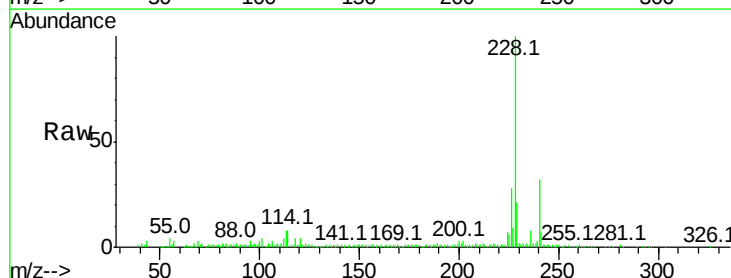
Manual Integrations
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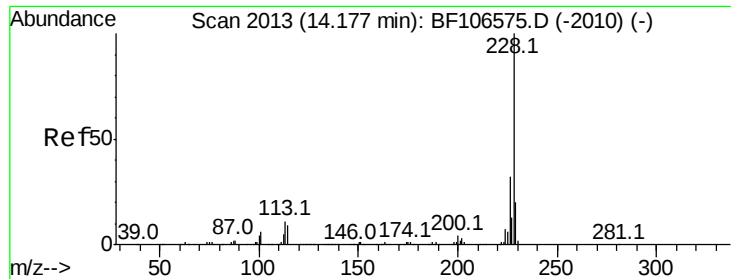
Sohil
 7/11/2018 11:22:33 AM



#80
 Benzo(a)anthracene
 Concen: 20.128 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107269.D
 Acq: 10 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.0	15.8	23.6





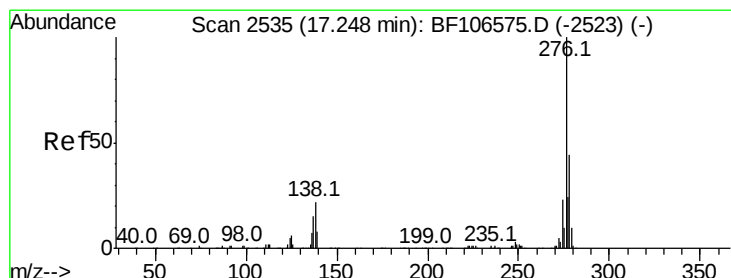
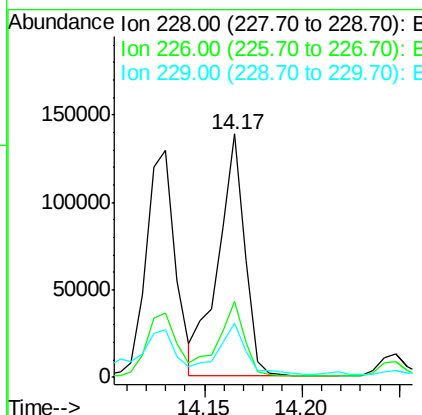
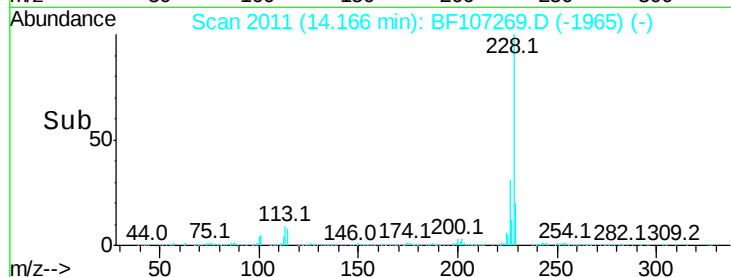
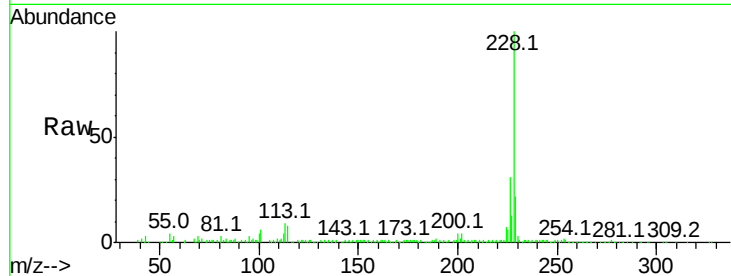
#82
Chrysene
Concen: 21.153 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.0	16.2	24.4

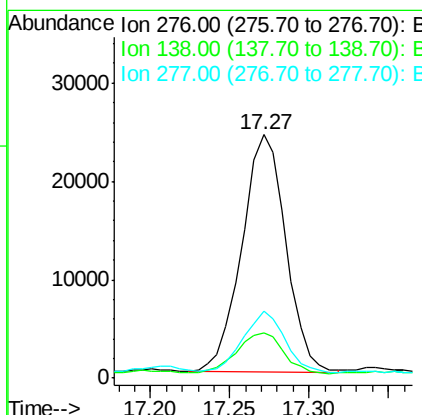
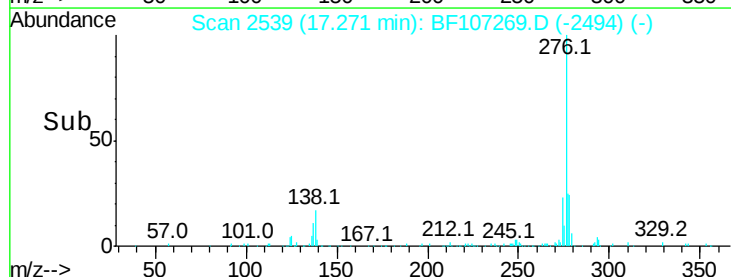
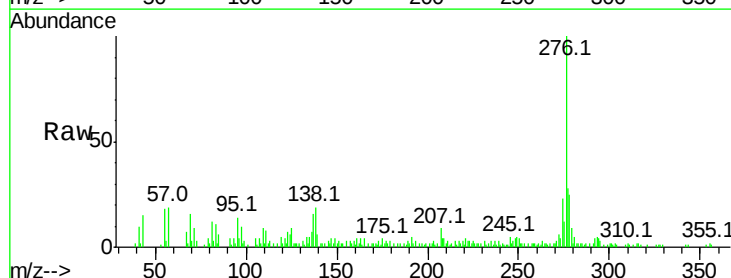
Manual Integrations
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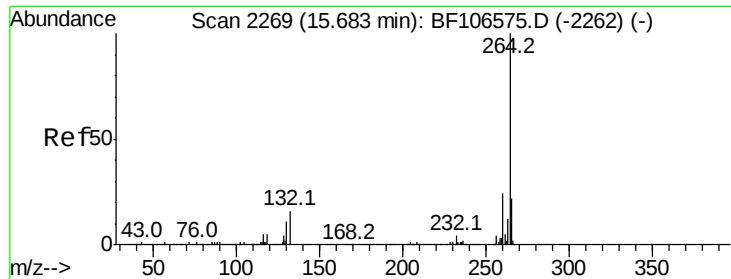
Sohil
7/11/2018 11:22:33 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.860 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.04 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.9	25.0	37.6#
277	25.2	20.1	30.1





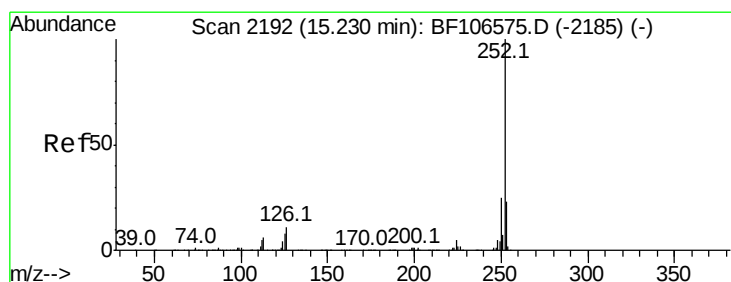
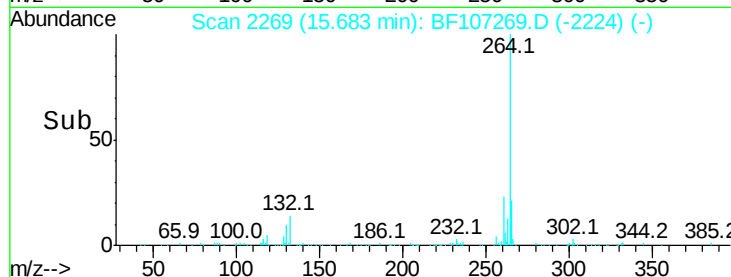
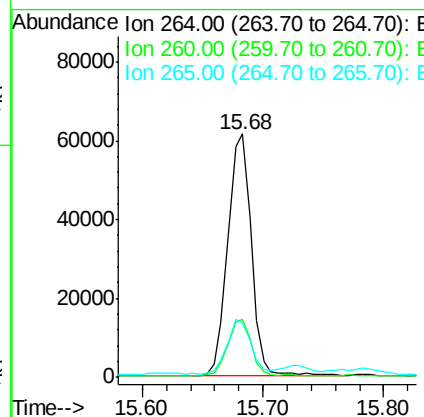
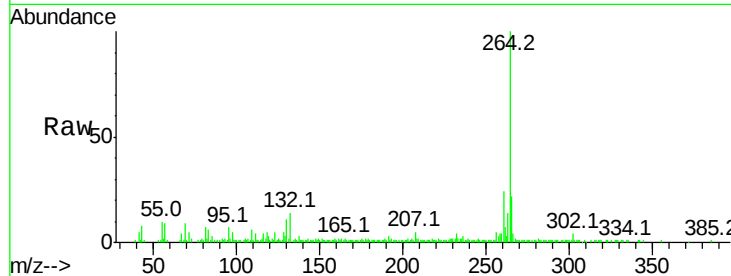
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	17.5	26.3

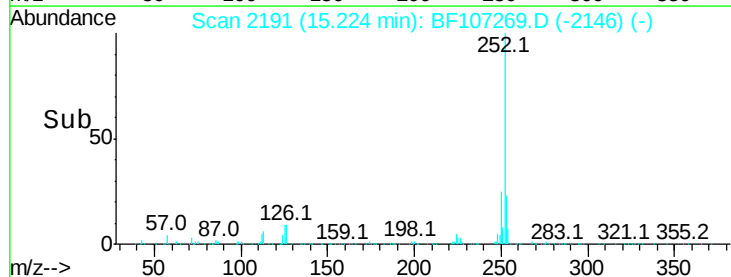
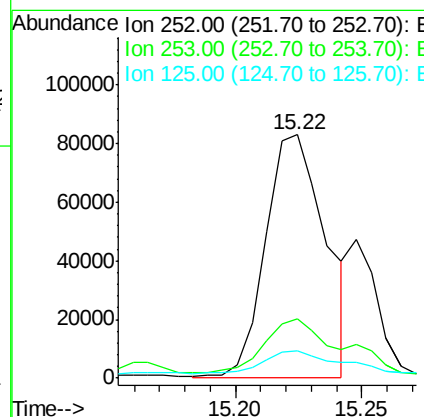
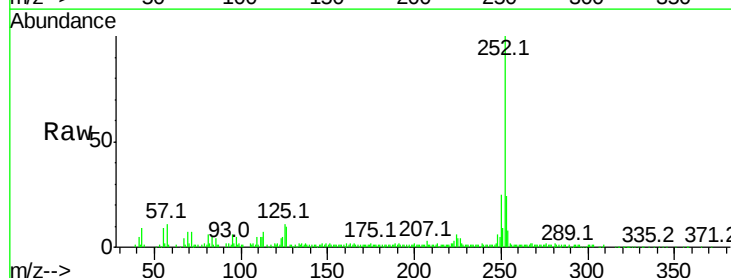
Manual Integrations
APPROVED

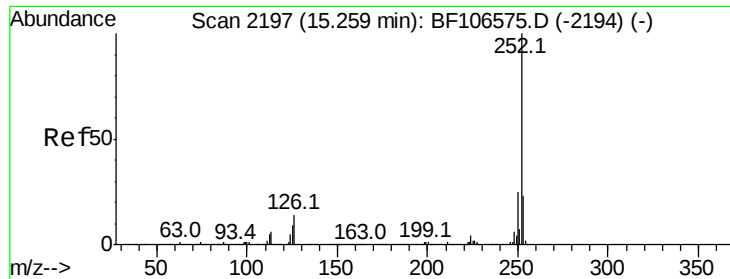
Sohil
7/11/2018 11:22:33 AM



#87
Benzo(b)fluoranthene
Concen: 26.818 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	11.0	9.0	13.6





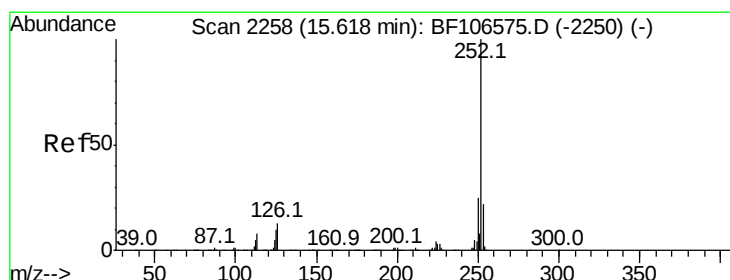
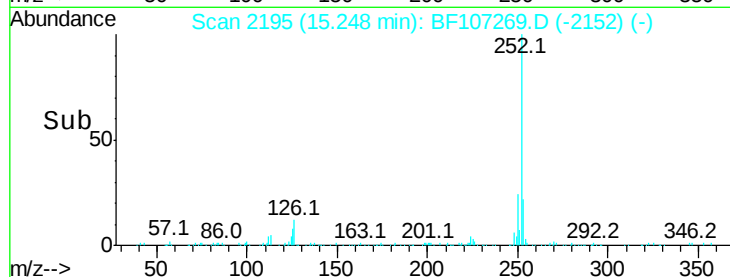
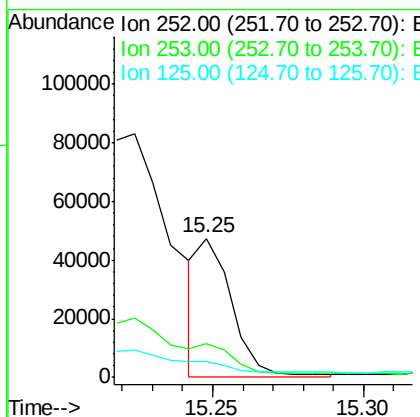
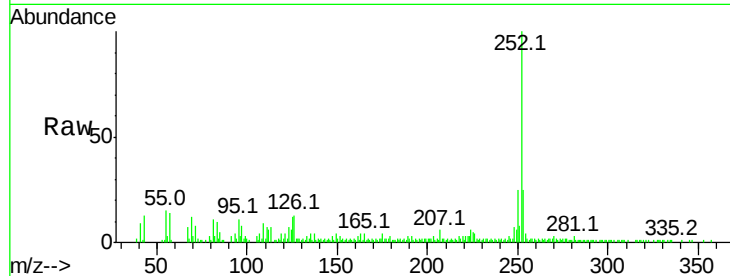
#88
Benzo(k)fluoranthene
Concen: 7.593 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	11.8	10.2	15.2

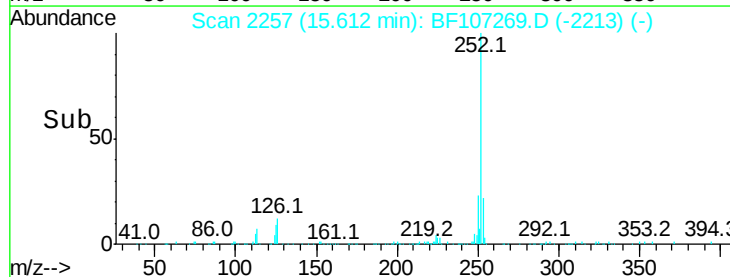
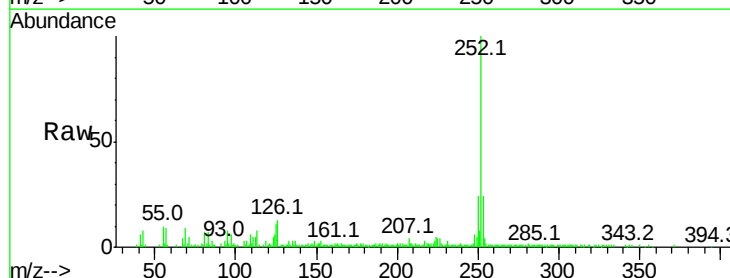
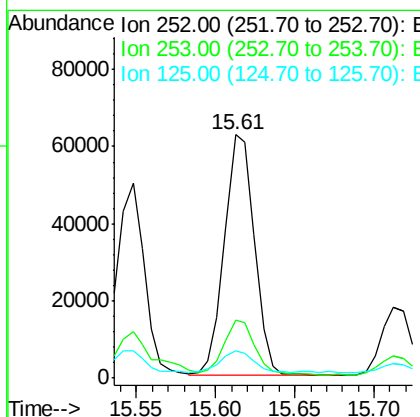
Manual Integrations
APPROVED

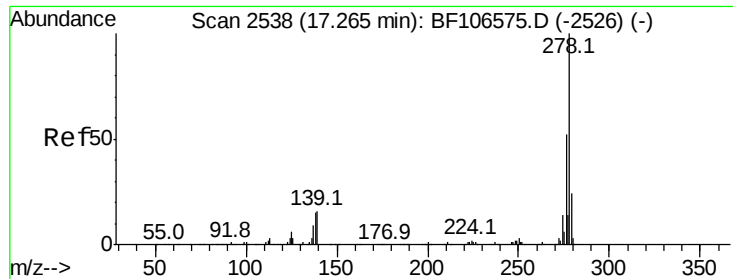
Sohil
7/11/2018 11:22:33 AM



#89
Benzo(a)pyrene
Concen: 18.015 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	11.3	9.8	14.6





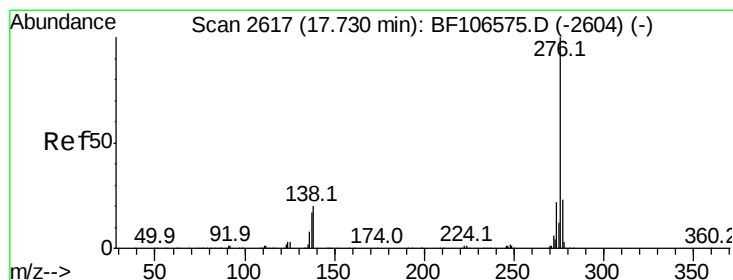
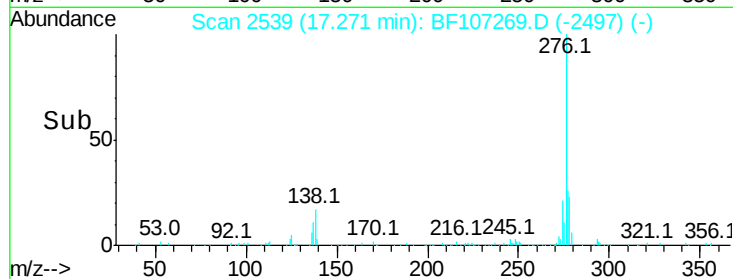
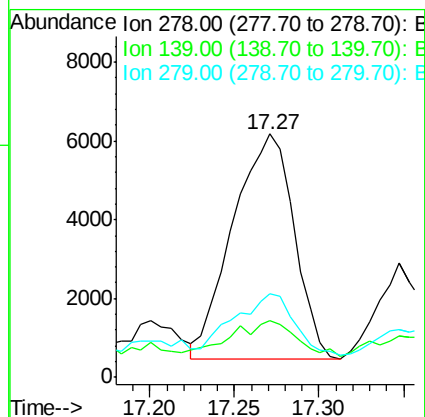
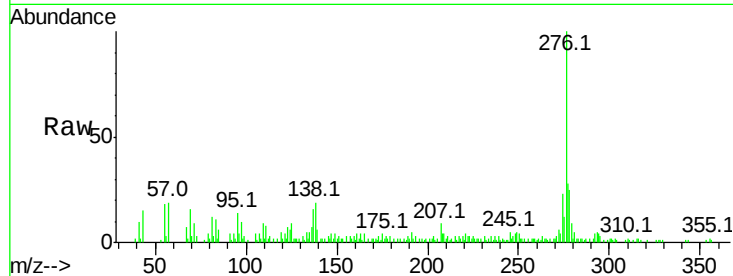
#90
Dibenzo(a,h)anthracene
Concen: 3.692 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.05 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9RE

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.1	15.9	23.9
279	34.5	19.0	28.4

Manual Integrations
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Sohil
7/11/2018 11:22:33 AM



#91
Benzo(g,h,i)perylene
Concen: 11.904 ng
RT: 17.76 min Scan# 2622
Delta R.T. -0.03 min
Lab File: BF107269.D
Acq: 10 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	20.1	21.8	32.8

