

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
 Data File : BF107285.D
 Acq On : 10 Jul 2018 20:49
 Operator : JU/SJ
 Sample : J3880-17RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-19RE

Manual Integrations
 APPROVED

Sohil
 7/11/2018 11:23:03 AM

Quant Time: Jul 11 01:58:26 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	31071	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	108212	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	51486	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	112251	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	90455	20.00	ng	-0.03
86) Perylene-d12	15.68	264	71984	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	202806	110.53	ng	-0.02
7) Phenol-d6	6.59	99	242558	105.85	ng	-0.02
23) Nitrobenzene-d5	7.51	82	137136	70.43	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	71679	120.12	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	260146	85.63	ng	-0.03
78) Terphenyl-d14	13.07	244	348158	93.23	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	5332	2.039	ng	80
48) Acenaphthylene	9.85	152	11024	2.162	ng	98
49) Dimethylphthalate	9.69	163	59109	15.307	ng	99
70) Phenanthrene	11.50	178	70746	13.067	ng	97
71) Anthracene	11.55	178	23079	4.176	ng	98
74) Fluoranthene	12.70	202	134162	22.482	ng	95
77) Pyrene	12.94	202	122993	20.620	ng	98
80) Benzo(a)anthracene	14.12	228	65378	11.859	ng	98
82) Chrysene	14.17	228	58884	11.610	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	27957	6.495	ng	# 90
87) Benzo(b)fluoranthene	15.22	252	70291m	15.719	ng	
88) Benzo(k)fluoranthene	15.24	252	19307m	4.534	ng	
89) Benzo(a)pyrene	15.61	252	45207	11.372	ng	97
90) Dibenzo(a,h)anthracene	17.27	278	8237	2.445	ng	# 74
91) Benzo(a,h,i)perylene	17.75	276	30728	9.332	ng	# 87

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

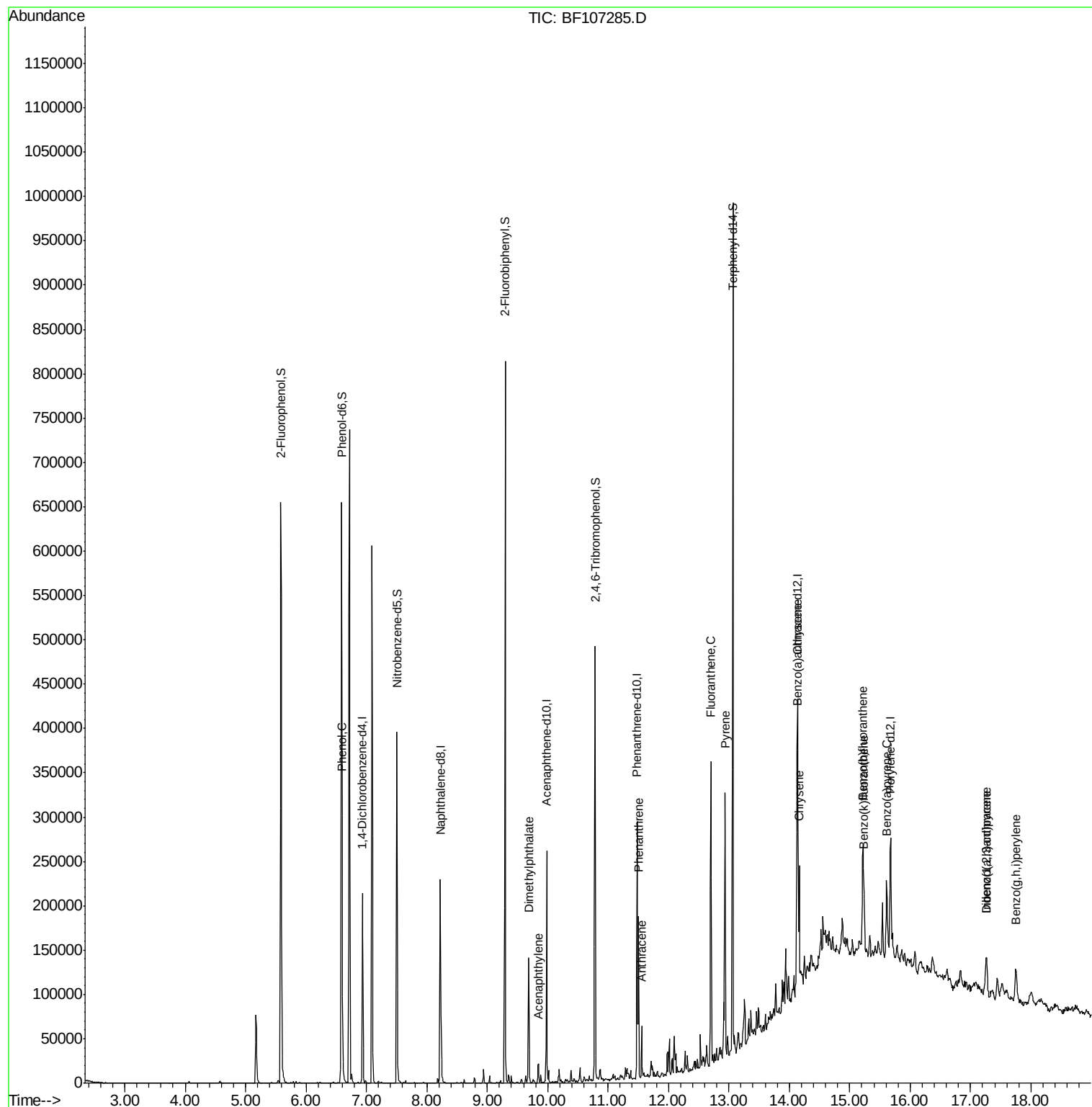
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
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ALS Vial : 25 Sample Multiplier: 1

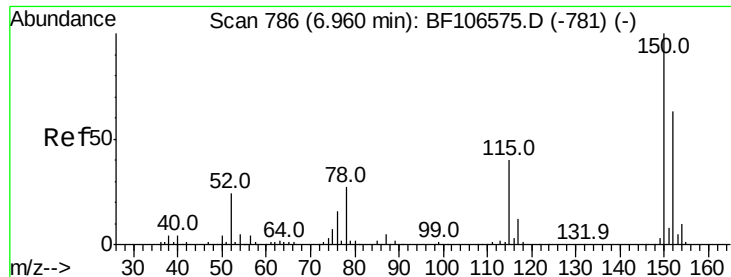
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#1

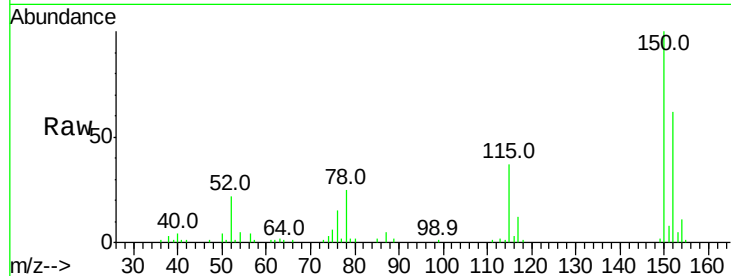
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-19RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.7	124.6	186.8
115	60.6	50.1	75.1

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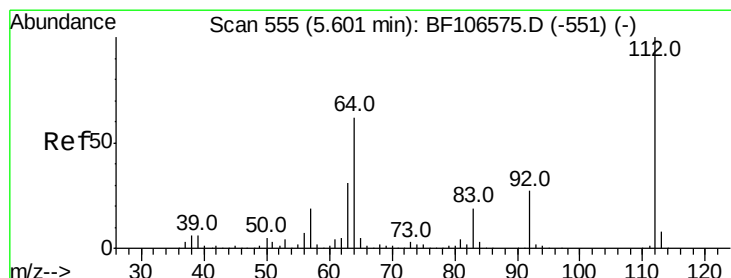
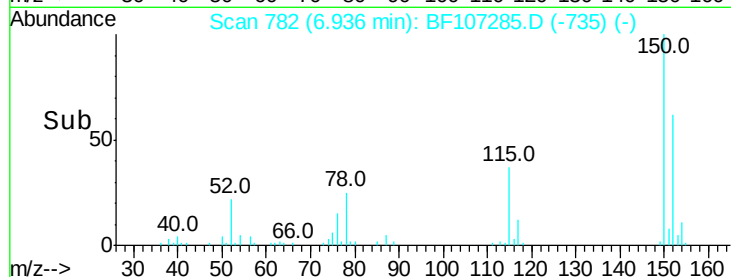
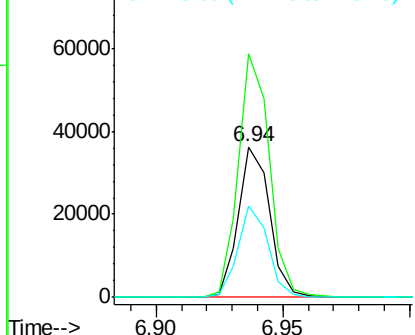


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

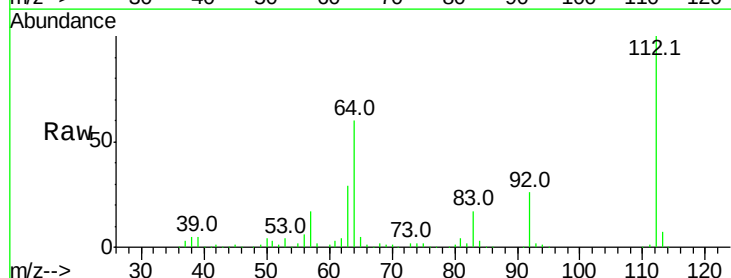
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.526 ng
RT: 5.58 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.9	71.9
63	29.3	23.7	35.5

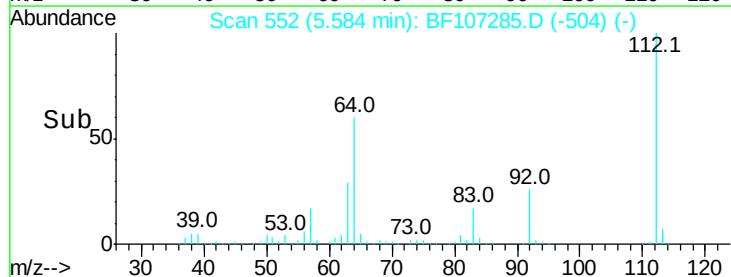
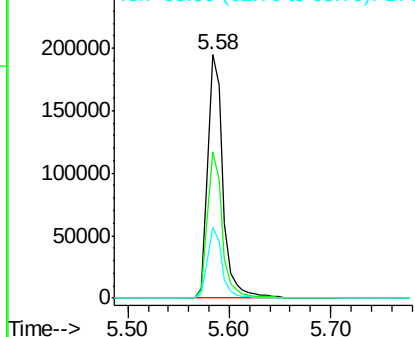


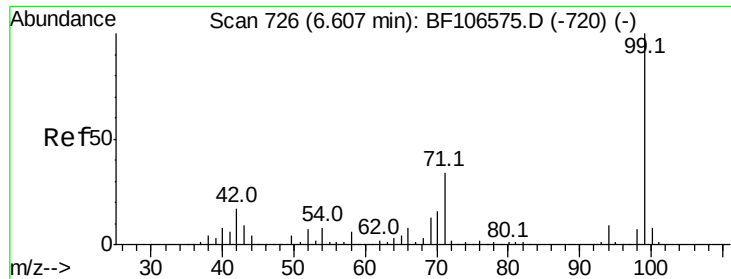
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 105.853 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107285.D

Acq: 10 Jul 2018 20:49

Instrument :

BNA_F

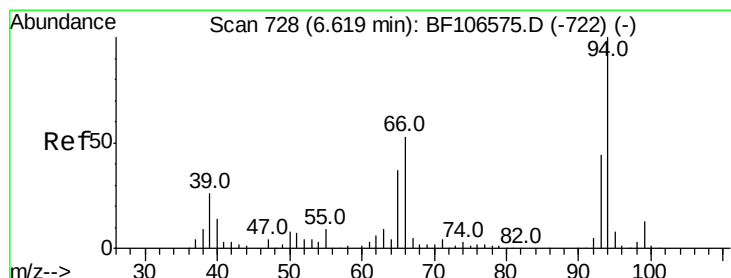
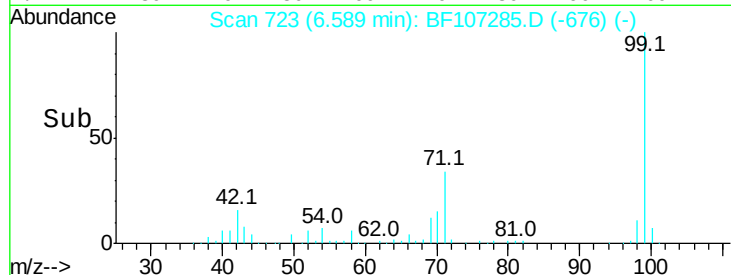
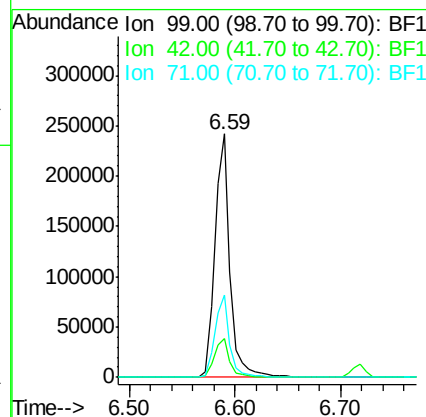
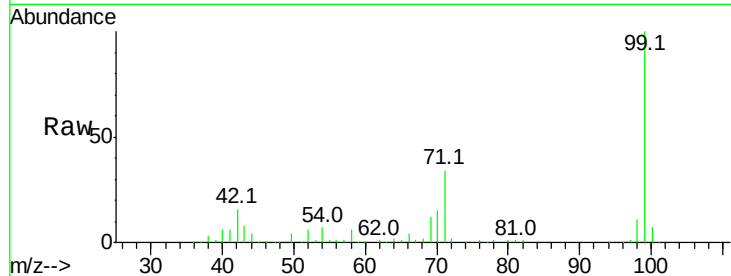
ClientSampleId :

SURCHARGE-SP-19RE

Tot Ion:	99	Resp:	242558
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.5	21.7
71	33.8	25.4	38.0

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#10

Phenol

Concen: 2.039 ng

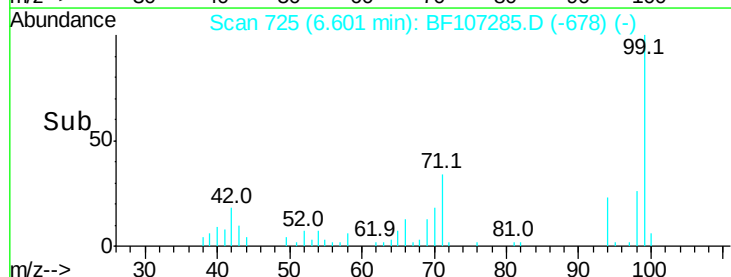
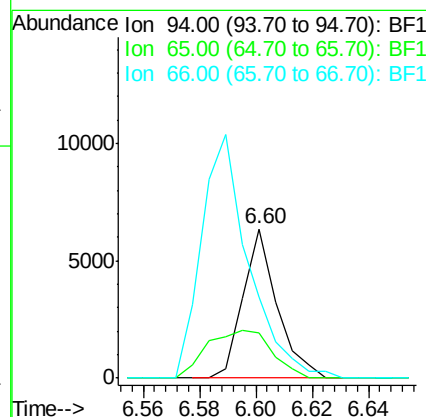
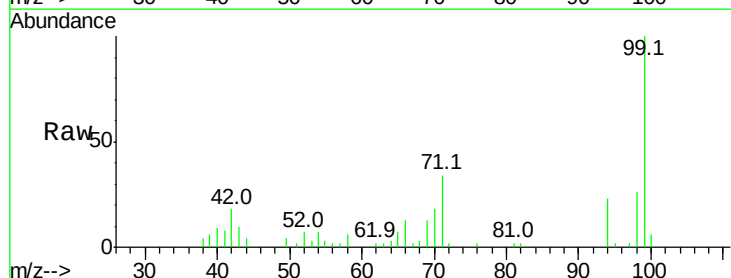
RT: 6.60 min Scan# 725

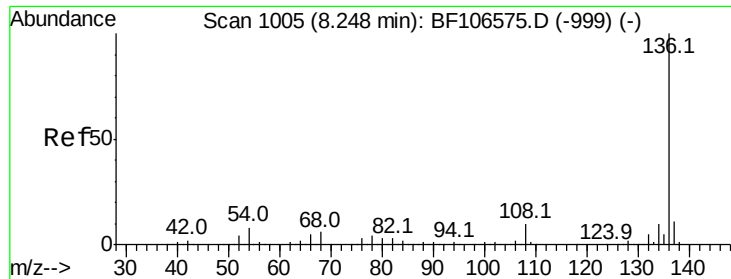
Delta R.T. -0.02 min

Lab File: BF107285.D

Acq: 10 Jul 2018 20:49

Tgt Ion:	94	Resp:	5332
Ion	Ratio	Lower	Upper
94	100		
65	30.7	7.9	47.9
66	54.8	16.2	56.2





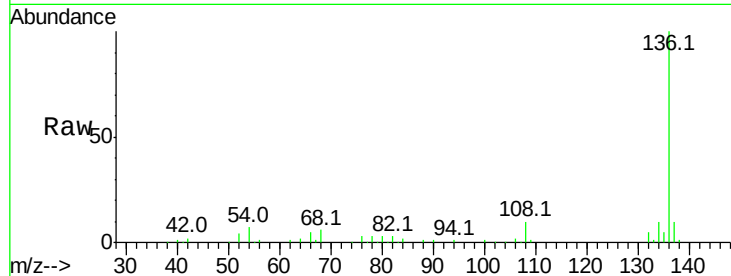
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-19RE

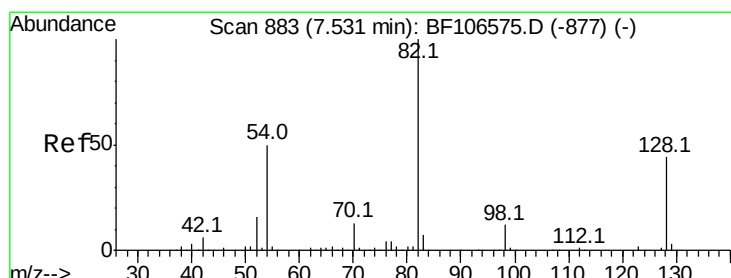
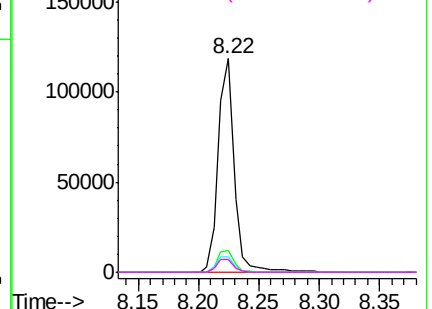
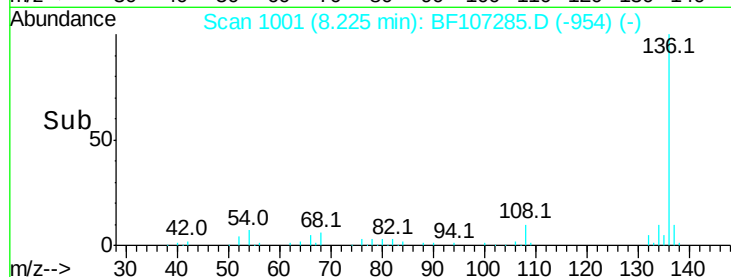
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.2	8.9	13.3	
54	7.4	6.6	9.8	
68	6.1	5.0	7.4	

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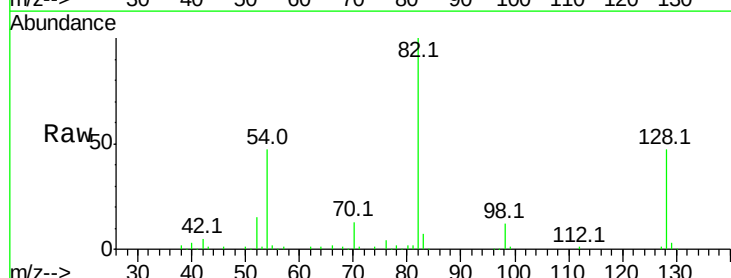


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

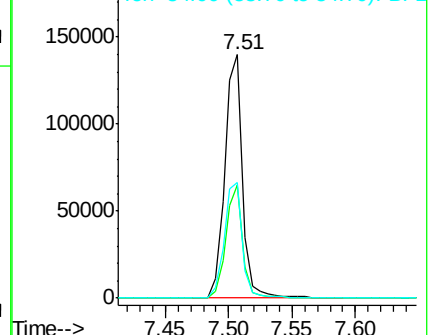
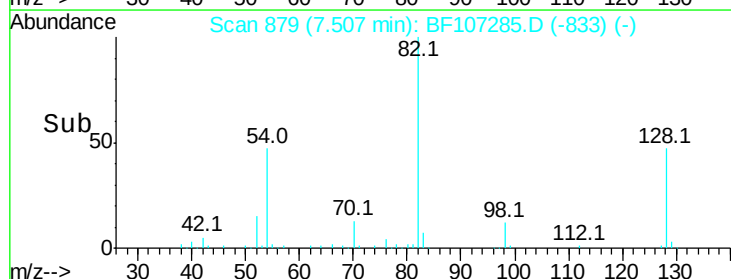


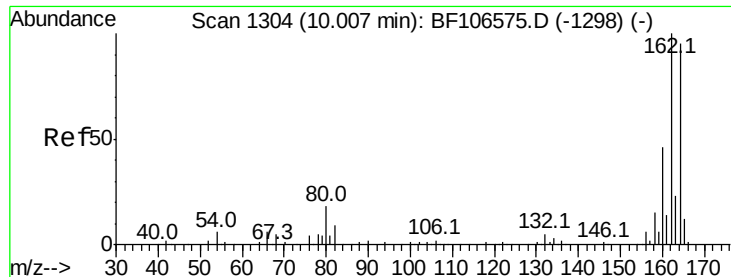
#23
Nitrobenzene-d5
Concen: 70.428 ng
RT: 7.51 min Scan# 879
Delta R.T. -0.03 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.6	36.1	54.1	
54	47.3	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF107285.D

Acq: 10 Jul 2018 20:49

Instrument :

BNA_F

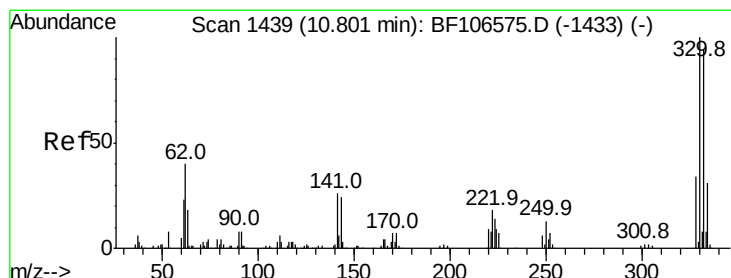
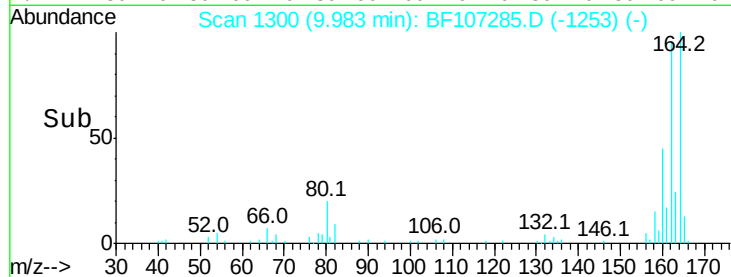
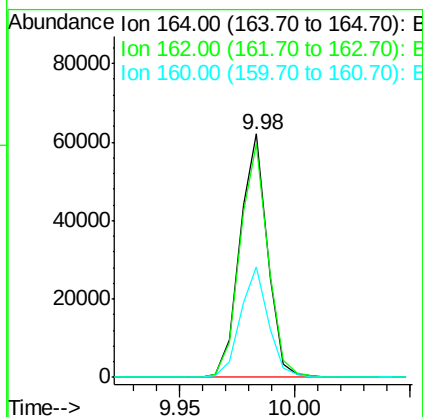
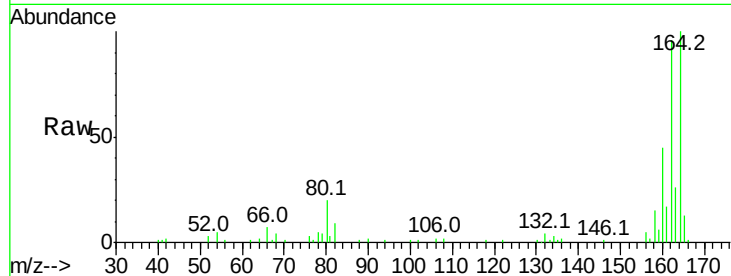
ClientSampleId :

SURCHARGE-SP-19RE

Tot Ion:	164	Resp:	51486
Ion Ratio	Lower	Upper	
164	100		
162	95.9	86.1	129.1
160	45.2	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 120.118 ng

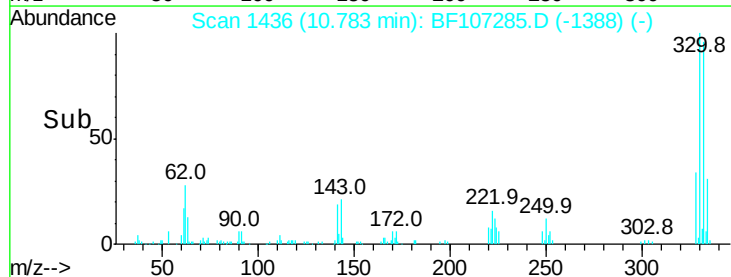
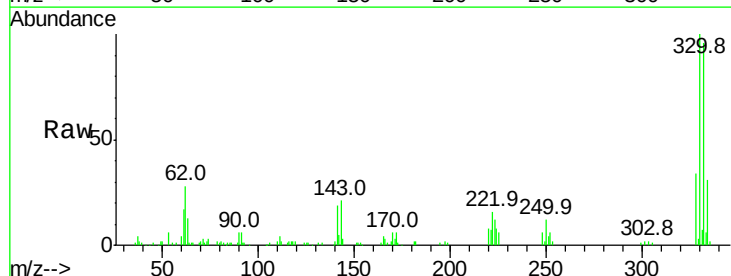
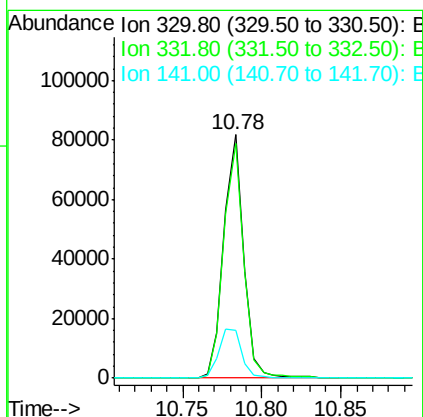
RT: 10.78 min Scan# 1436

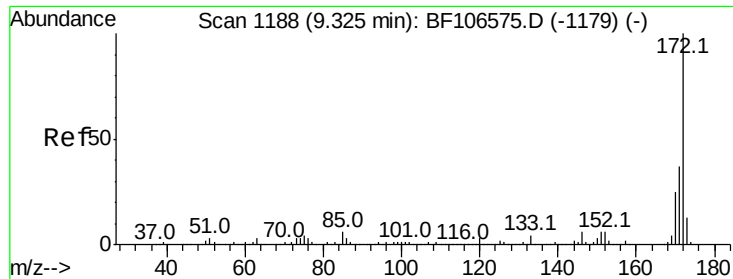
Delta R.T. -0.02 min

Lab File: BF107285.D

Acq: 10 Jul 2018 20:49

Tgt Ion:	330	Resp:	71679
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.0	115.6
141	22.9	29.9	44.9#





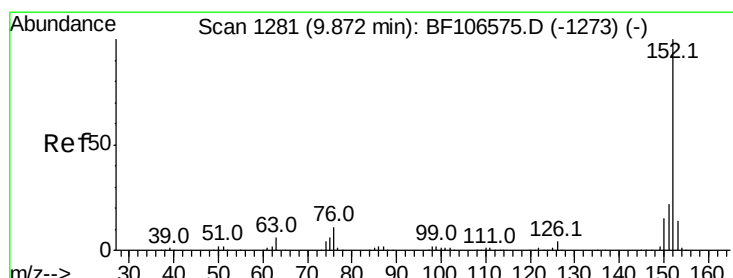
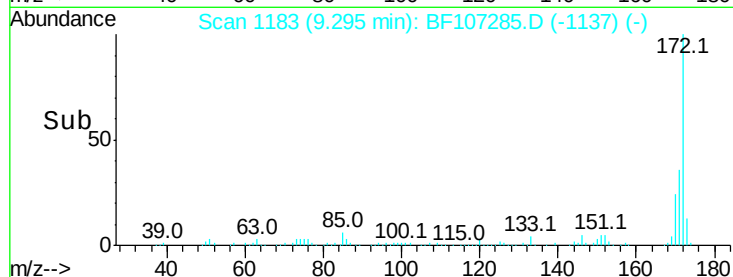
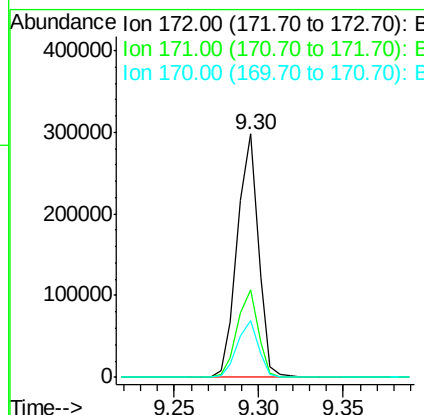
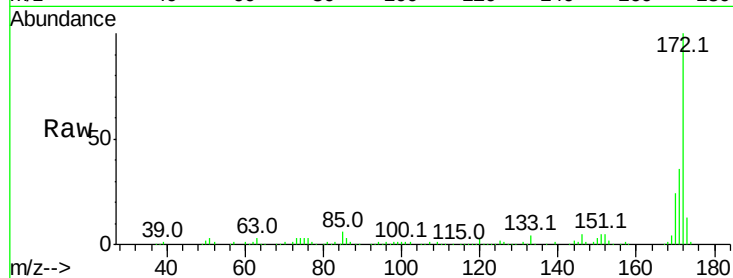
#44
2-Fluorobiphenyl
Concen: 85.634 ng
RT: 9.30 min Scan# 1183
Delta R.T. -0.03 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	260146		
171	35.7		29.7	44.5
170	23.5		19.6	29.4

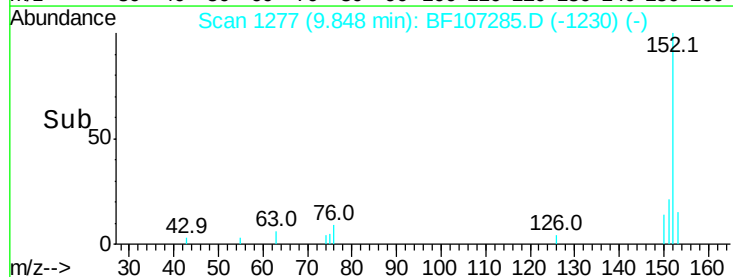
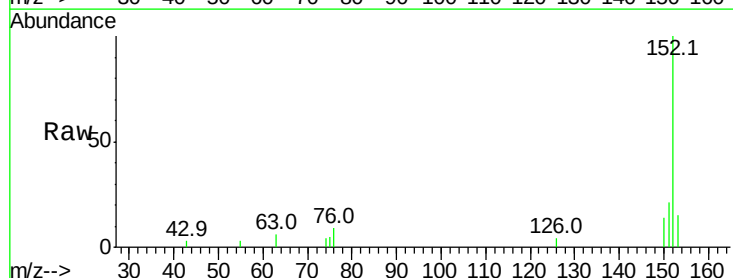
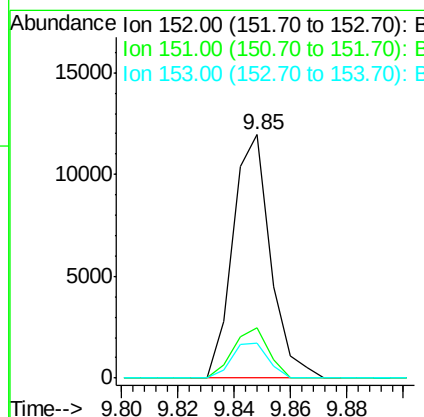
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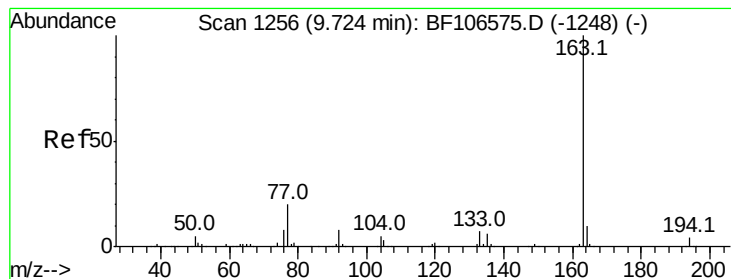
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#48
Acenaphthylene
Concen: 2.162 ng
RT: 9.85 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	11024		
151	20.9		16.3	24.5
153	14.5		10.7	16.1





#49

Dimethylphthalate

Concen: 15.307 ng

RT: 9.69 min Scan# 1250

Delta R.T. -0.04 min

Lab File: BF107285.D

Acq: 10 Jul 2018 20:49

Instrument :

BNA_F

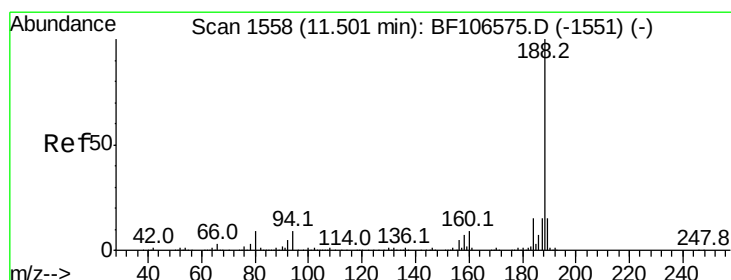
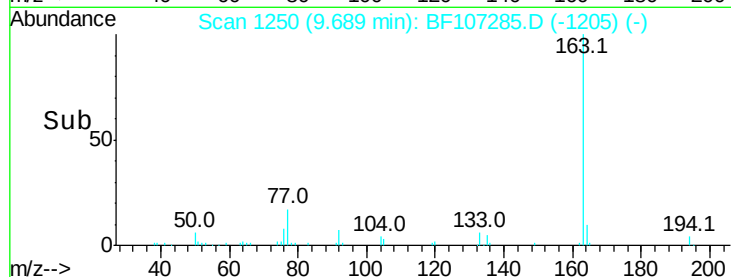
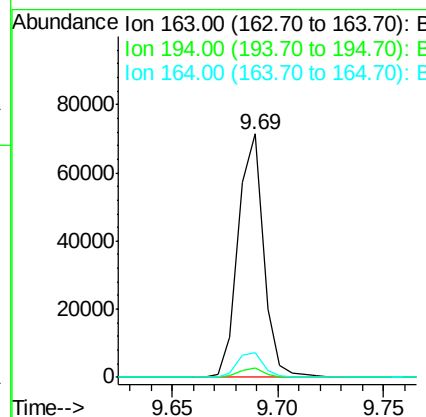
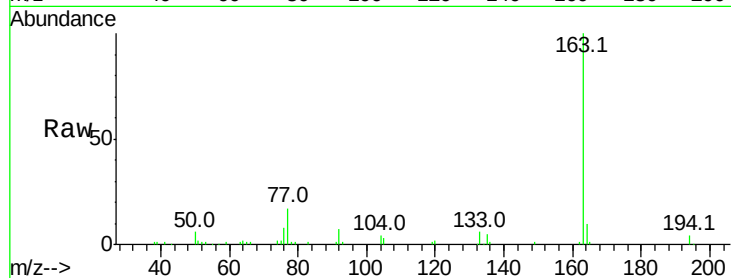
ClientSampleId :

SURCHARGE-SP-19RE

Tot Ion:	163	Resp:	59109
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.7	4.1
164	10.1	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

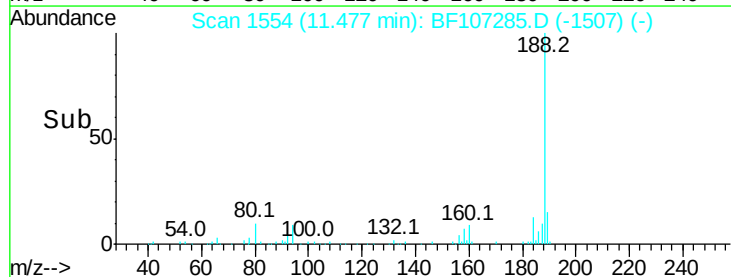
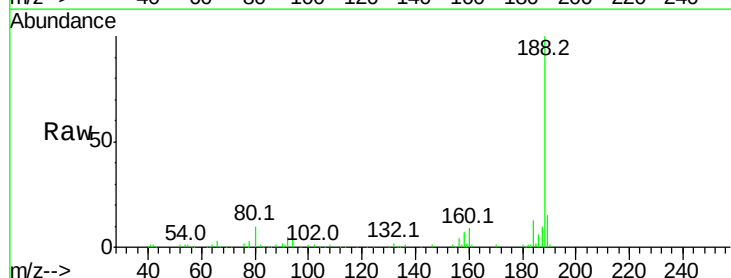
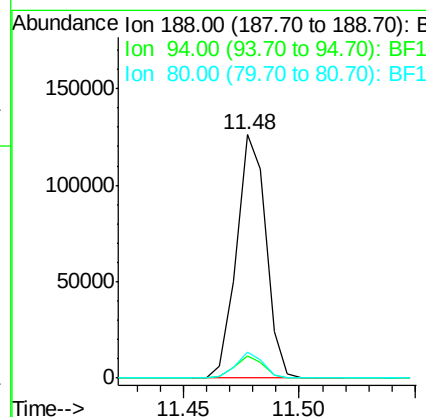
RT: 11.48 min Scan# 1554

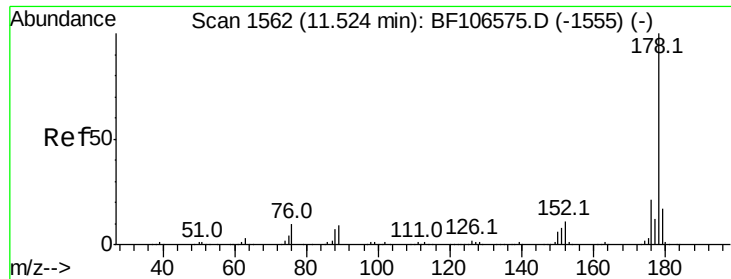
Delta R.T. -0.02 min

Lab File: BF107285.D

Acq: 10 Jul 2018 20:49

Tgt Ion:	188	Resp:	112251
Ion Ratio	Lower	Upper	
188	100		
94	9.1	8.5	12.7
80	10.5	9.2	13.8





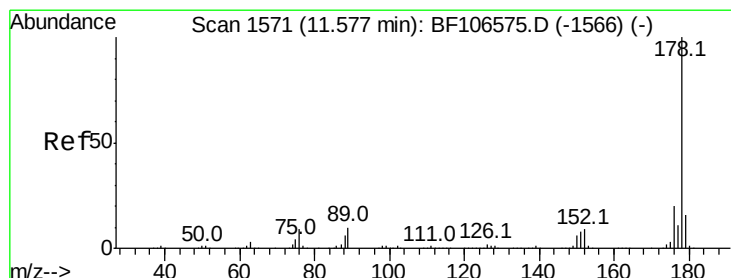
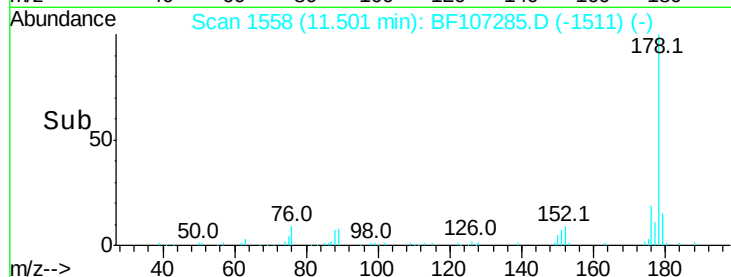
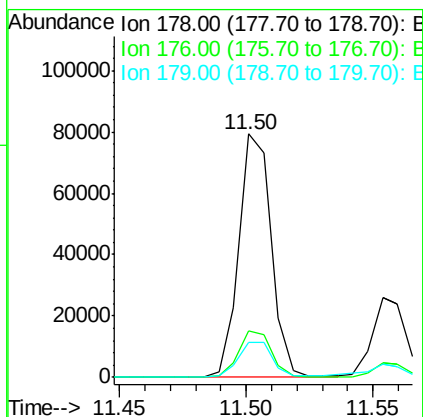
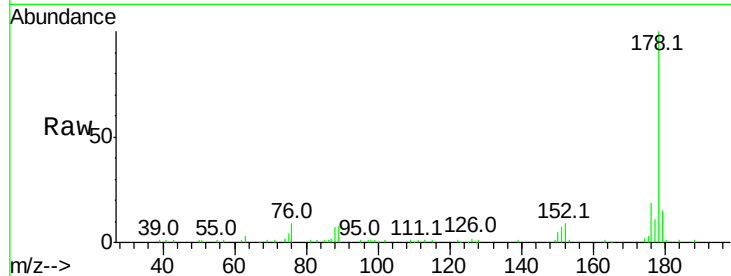
#70
Phenanthrene
Concen: 13.067 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-19RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.5	13.0	19.6

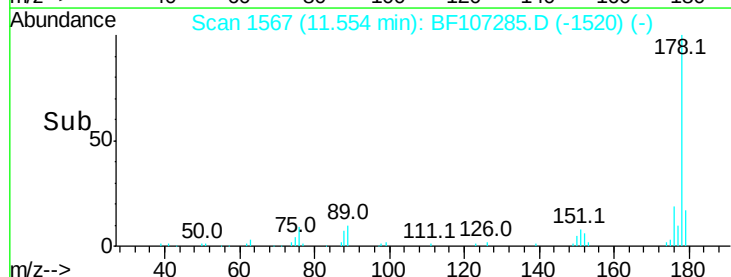
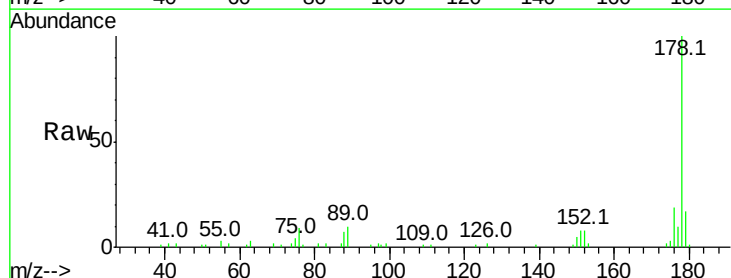
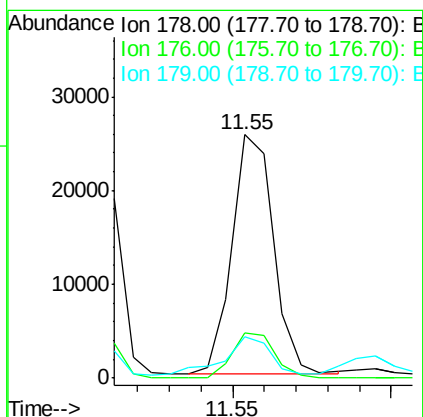
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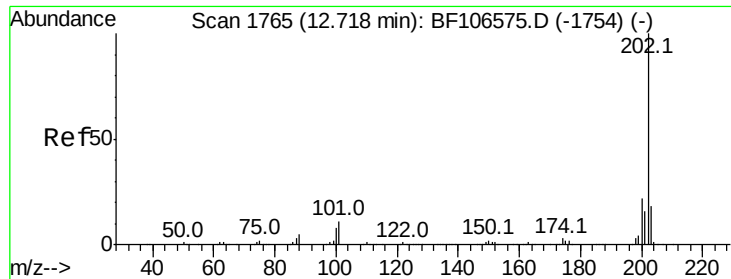
Sohil
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#71
Anthracene
Concen: 4.176 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	16.8	12.6	19.0





#74

Fluoranthene

Concen: 22.482 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF107285.D

Acq: 10 Jul 2018 20:49

Instrument :

BNA_F

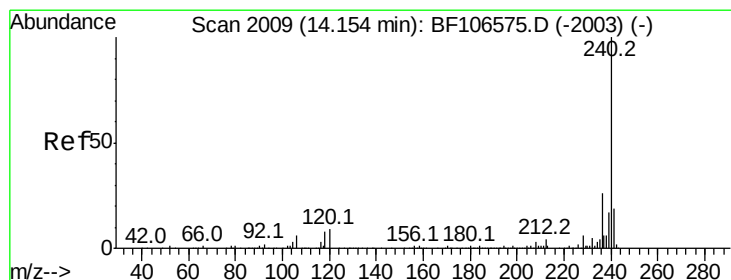
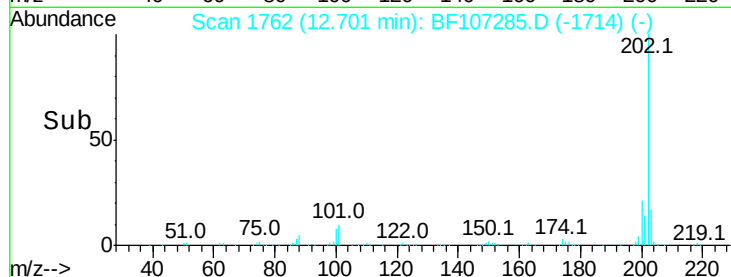
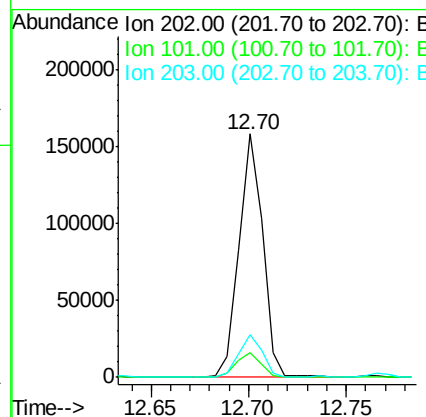
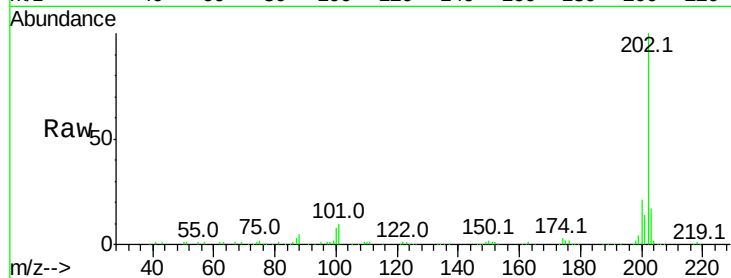
ClientSampleId :

SURCHARGE-SP-19RE

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.4	0.0	34.1	
203	17.3	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

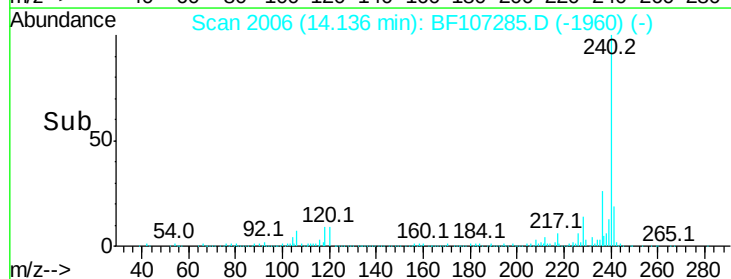
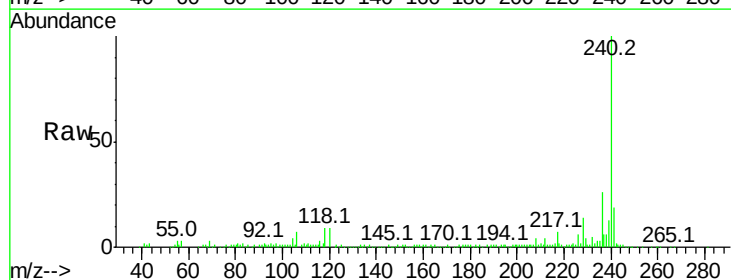
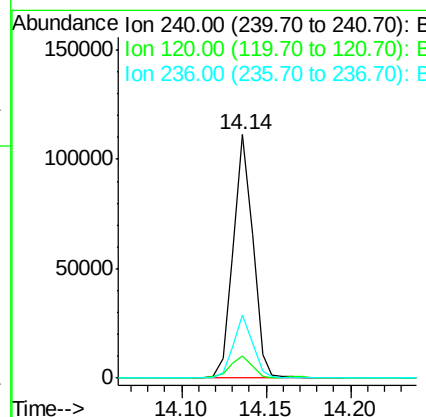
RT: 14.14 min Scan# 2006

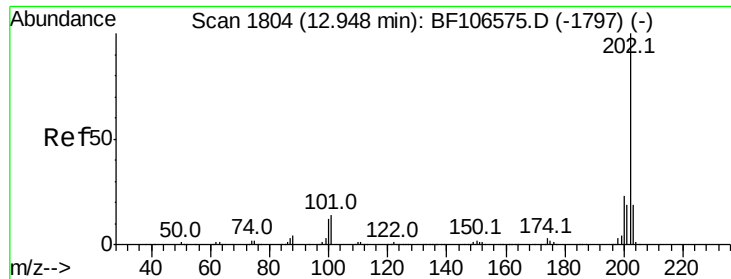
Delta R.T. -0.03 min

Lab File: BF107285.D

Acq: 10 Jul 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.3	9.5	14.3#	
236	25.8	20.7	31.1	





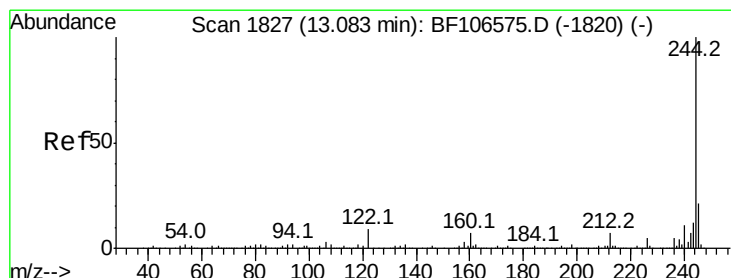
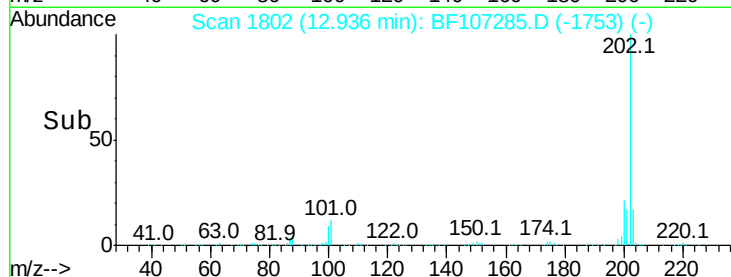
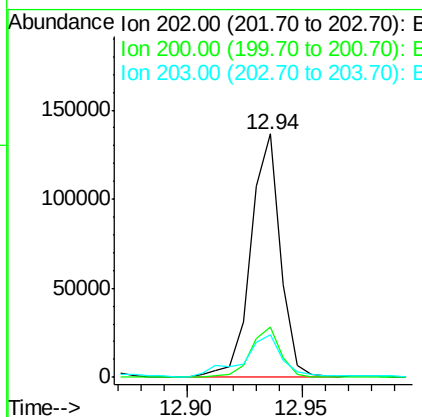
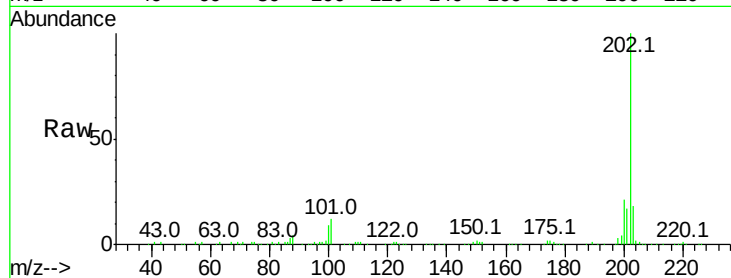
#77
Pvrene
Concen: 20.620 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-19RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.6	14.3	21.5

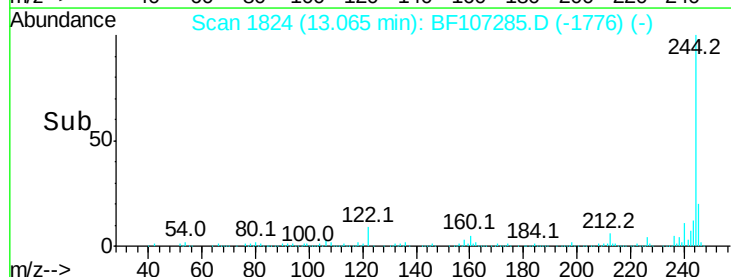
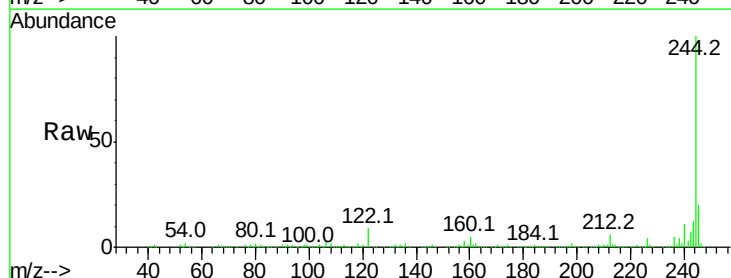
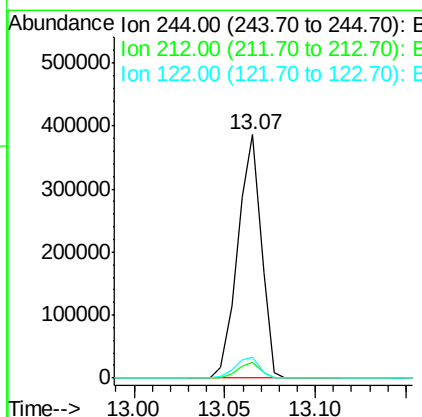
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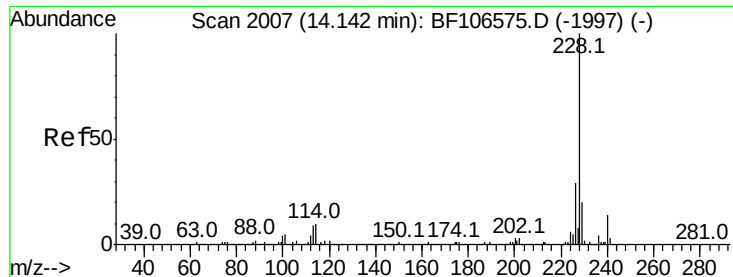
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#78
Terphenyl-d14
Concen: 93.233 ng
RT: 13.07 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.5	11.0	16.4





#80

Benzo(a)anthracene

Concen: 11.859 ng

RT: 14.12 min Scan# 2004

Delta R.T. -0.03 min

Lab File: BF107285.D

Acq: 10 Jul 2018 20:49

Instrument :

BNA_F

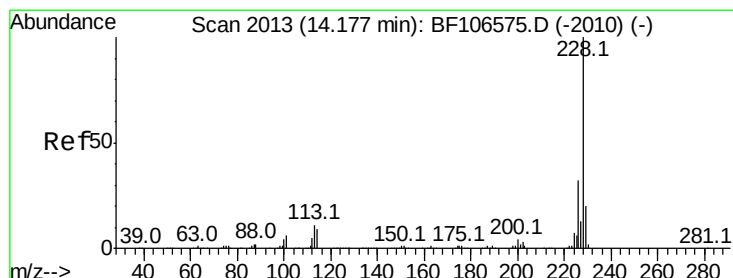
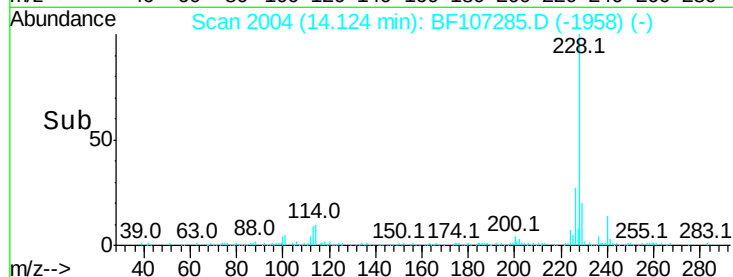
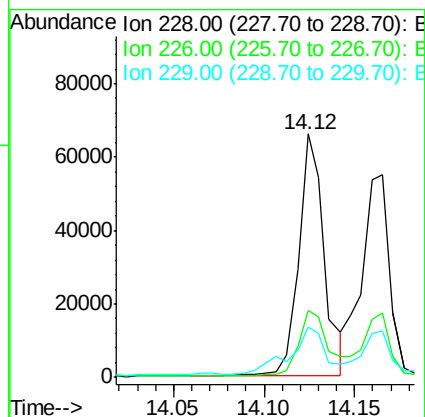
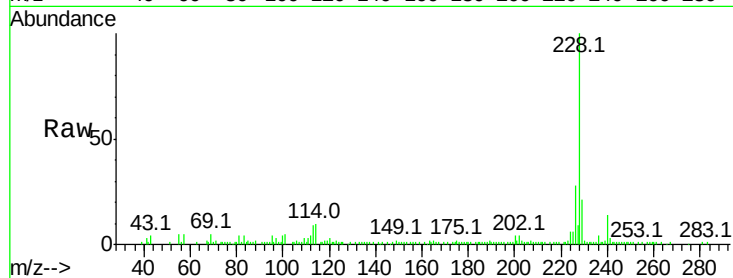
ClientSampleId :

SURCHARGE-SP-19RE

Tot Ion:	228	Resp:	65378
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.6	33.8
229	20.9	15.8	23.6

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#82

Chrysene

Concen: 11.610 ng

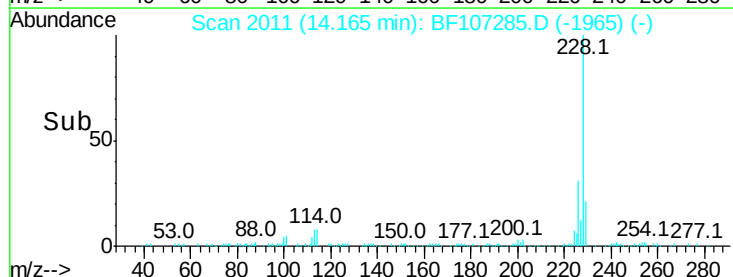
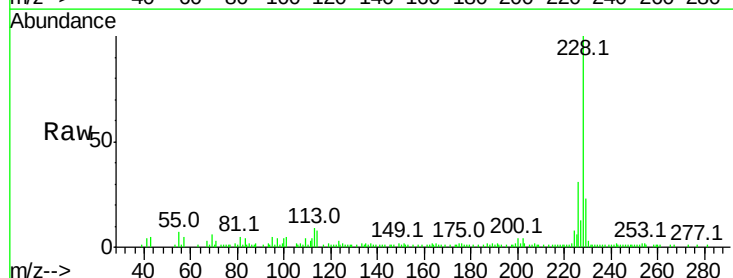
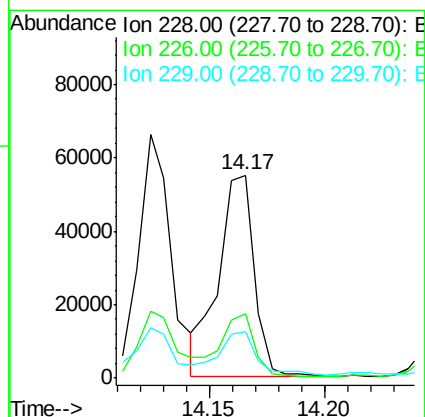
RT: 14.17 min Scan# 2011

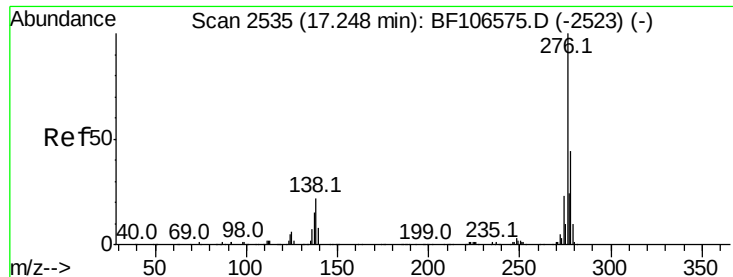
Delta R.T. -0.03 min

Lab File: BF107285.D

Acq: 10 Jul 2018 20:49

Tgt Ion:	228	Resp:	58884
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	23.2	16.2	24.4





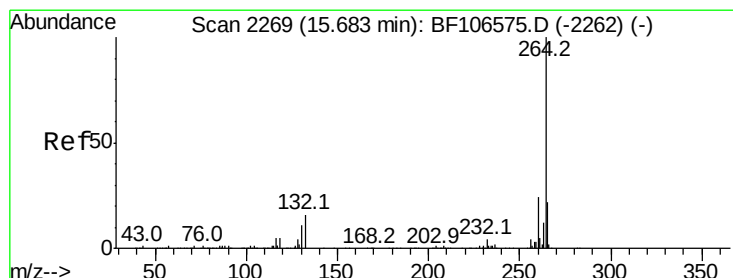
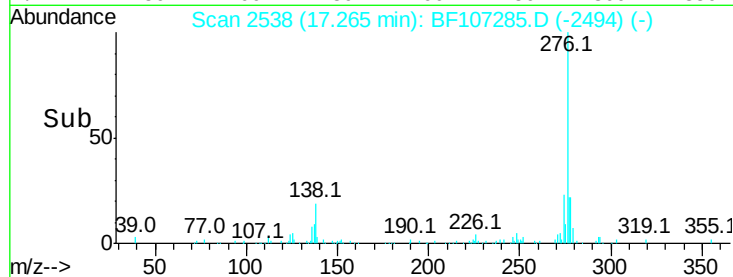
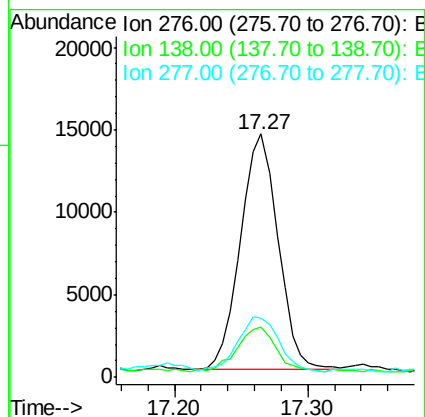
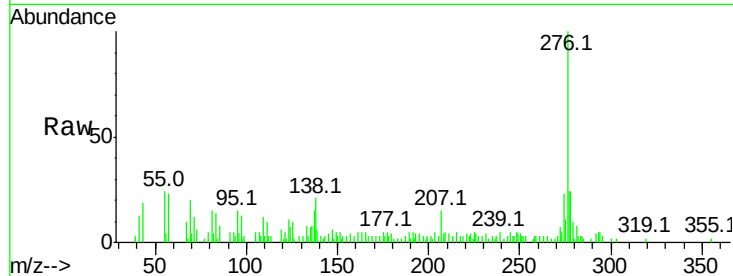
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.495 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.04 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-19RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	25.0	37.6#
277	24.9	20.1	30.1

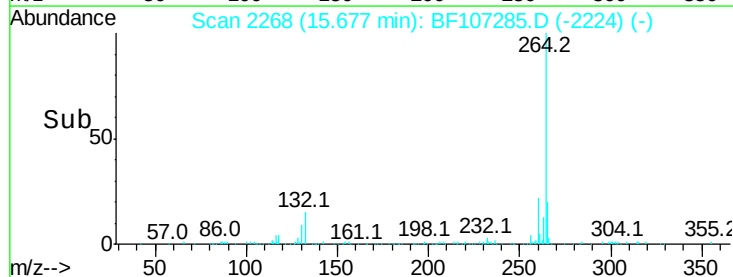
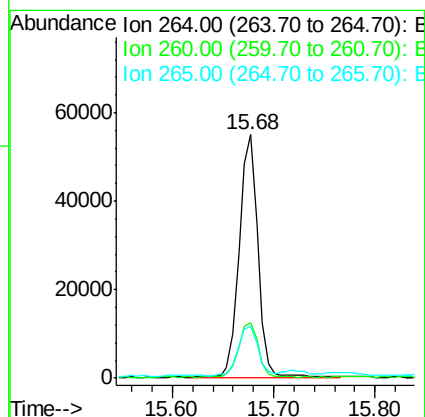
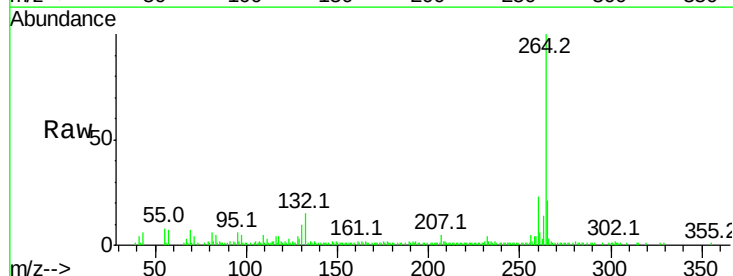
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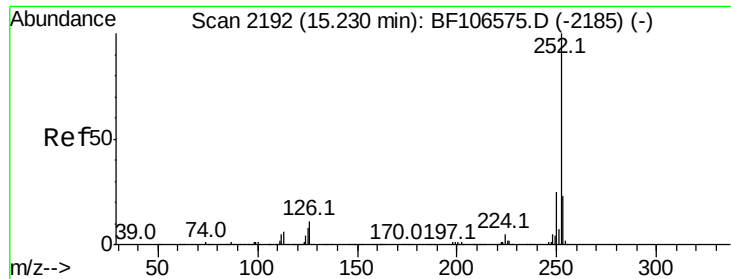
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.04 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.0	17.5	26.3





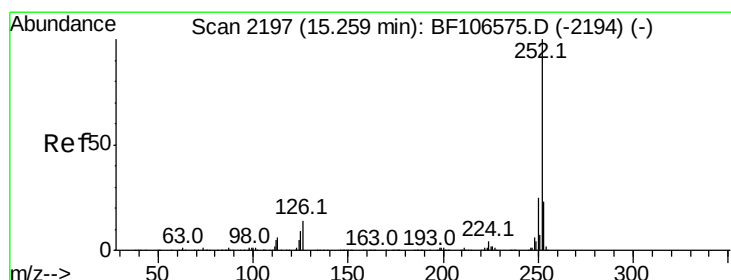
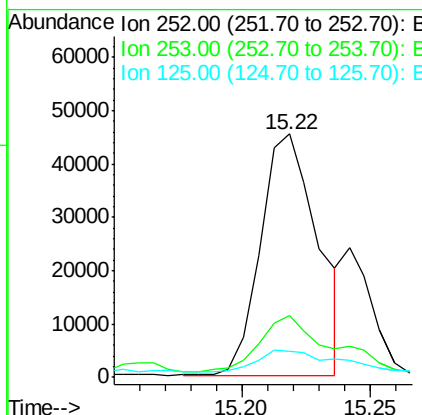
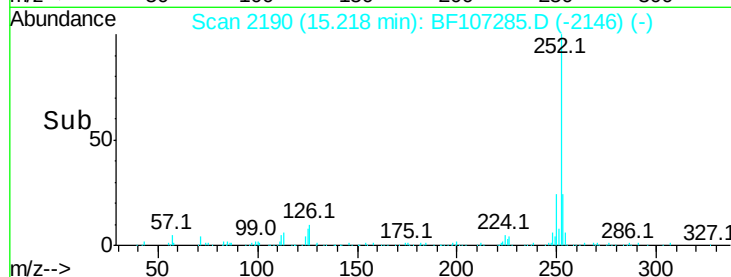
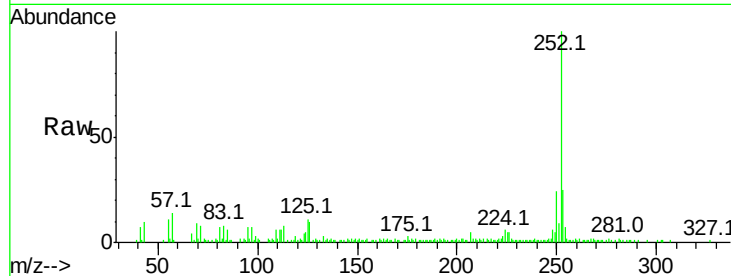
#87
Benzo(b)fluoranthene
Concen: 15.719 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-19RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.0	25.6
125	10.7	9.0	13.6

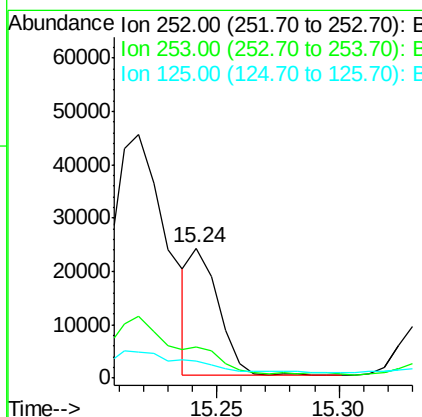
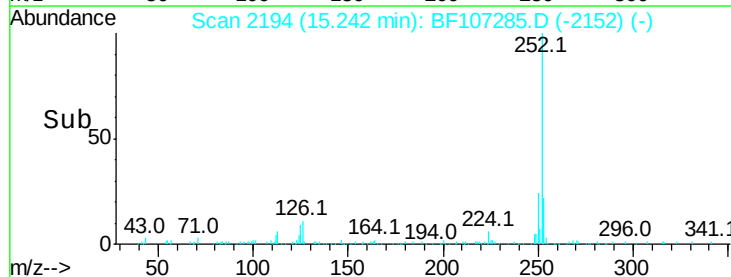
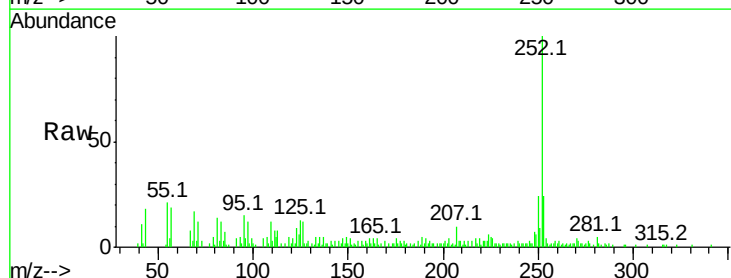
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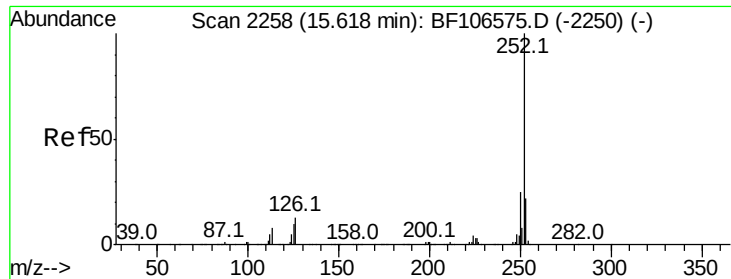
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#88
Benzo(k)fluoranthene
Concen: 4.534 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	13.3	10.2	15.2





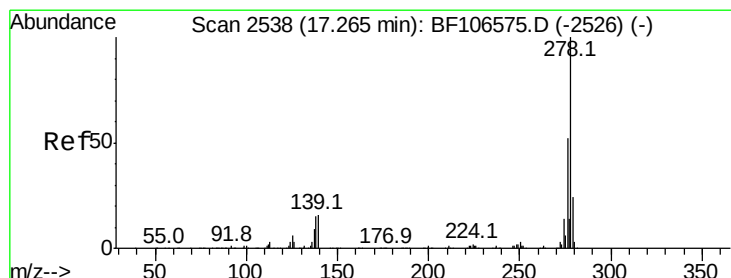
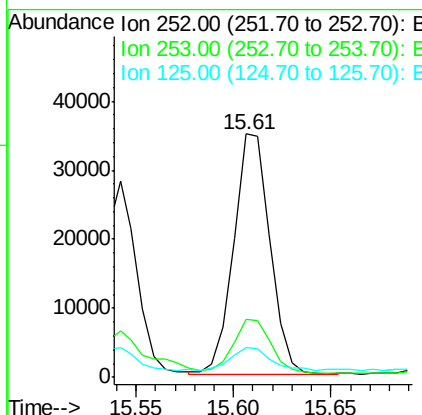
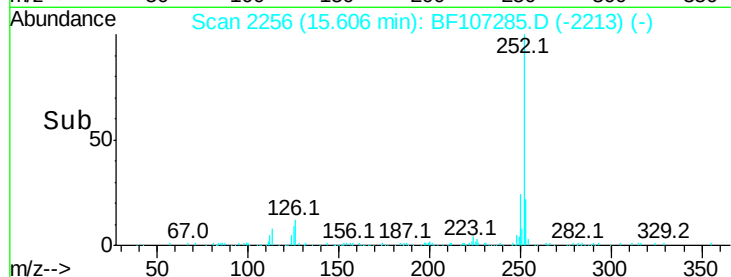
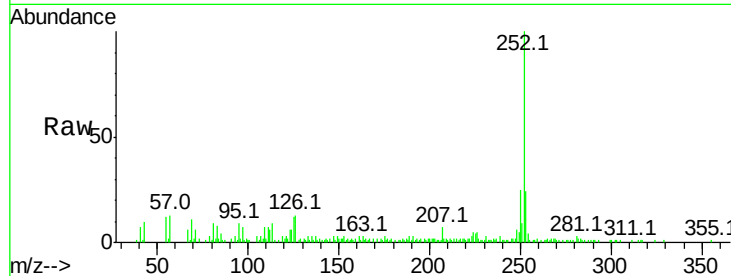
#89
Benzo(a)pyrene
Concen: 11.372 ng
RT: 15.61 min Scan# 2256
Delta R.T. -0.05 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-19RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	12.0	9.8	14.6

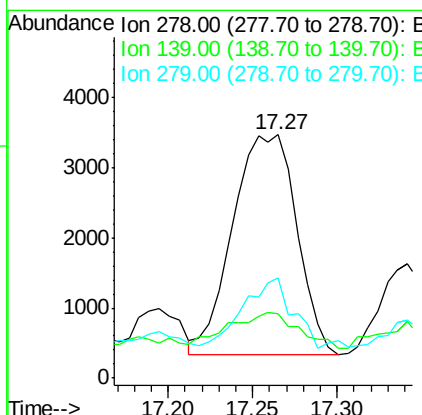
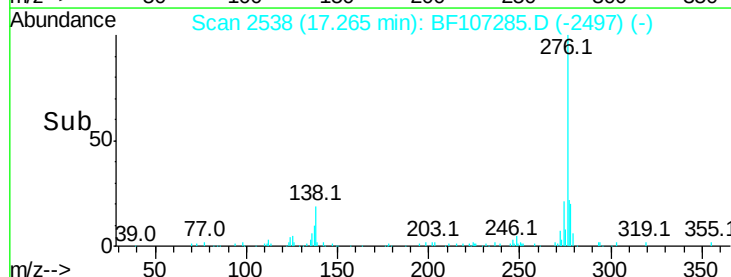
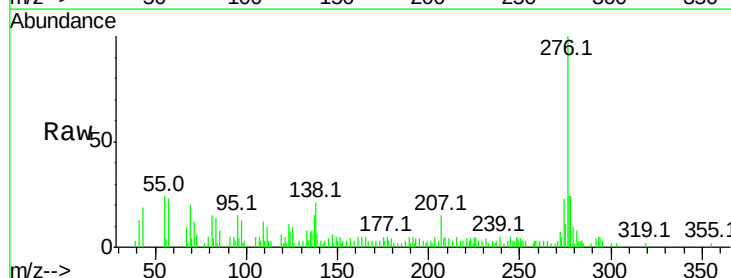
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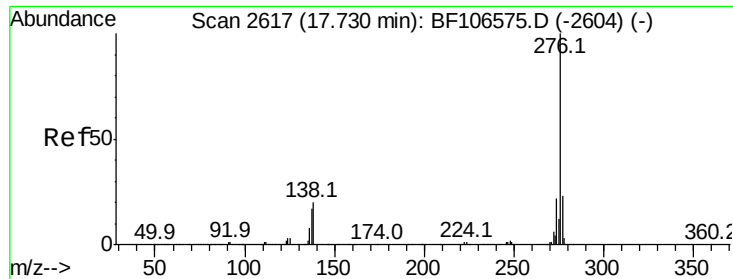
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#90
Dibenzo(a,h)anthracene
Concen: 2.445 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.06 min
Lab File: BF107285.D
Acq: 10 Jul 2018 20:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.3	15.9	23.9#
279	41.2	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 9.332 ng
 RT: 17.75 min Scan# 2621
 Delta R.T. -0.04 min
 Lab File: BF107285.D
 Acq: 10 Jul 2018 20:49

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-19RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	19.0	21.8	32.8

Manual Integrations
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