

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
 Data File : BF107265.D
 Acq On : 10 Jul 2018 11:54
 Operator : JU/SJ
 Sample : J3879-07RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-4RE

Manual Integrations
 APPROVED

Sohil
 7/11/2018 11:22:25 AM

Quant Time: Jul 10 14:13:32 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	40047	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	141239	20.00	ng	-0.03
38) Acenaphthene-d10	9.98	164	62623	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	108218	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	112398	20.00	ng	-0.03
86) Perylene-d12	15.68	264	104391	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	262877	111.15	ng	-0.02
7) Phenol-d6	6.59	99	315902	106.96	ng	-0.02
23) Nitrobenzene-d5	7.51	82	204839	80.60	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	78417	108.04	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	350050	96.63	ng	-0.03
78) Terphenyl-d14	13.06	244	372961	80.38	ng	-0.02

Target Compounds

						Qvalue
10) Phenol	6.60	94	6824	2.025	ng	96
31) Naphthalene	8.24	128	13483	2.042	ng	100
49) Dimethylphthalate	9.69	163	92012	19.590	ng	# 99
70) Phenanthrene	11.50	178	90720	17.381	ng	97
71) Anthracene	11.55	178	28855	5.416	ng	99
72) Carbazole	11.71	167	10324	2.070	ng	98
74) Fluoranthene	12.70	202	193947	33.712	ng	93
77) Pyrene	12.93	202	206540	27.866	ng	99
79) Butylbenzylphthalate	13.52	149	7366	2.417	ng	# 96
80) Benzo(a)anthracene	14.12	228	129574	18.915	ng	97
82) Chrysene	14.16	228	110435	17.523	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	51031	9.542	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	149053m	22.985	ng	
88) Benzo(k)fluoranthene	15.24	252	49458m	8.009	ng	
89) Benzo(a)pyrene	15.61	252	97033	16.832	ng	94
90) Dibenzo(a,h)anthracene	17.27	278	14724	3.014	ng	# 89
91) Benzo(a,h,i)perylene	17.75	276	50070	10.485	ng	# 87

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

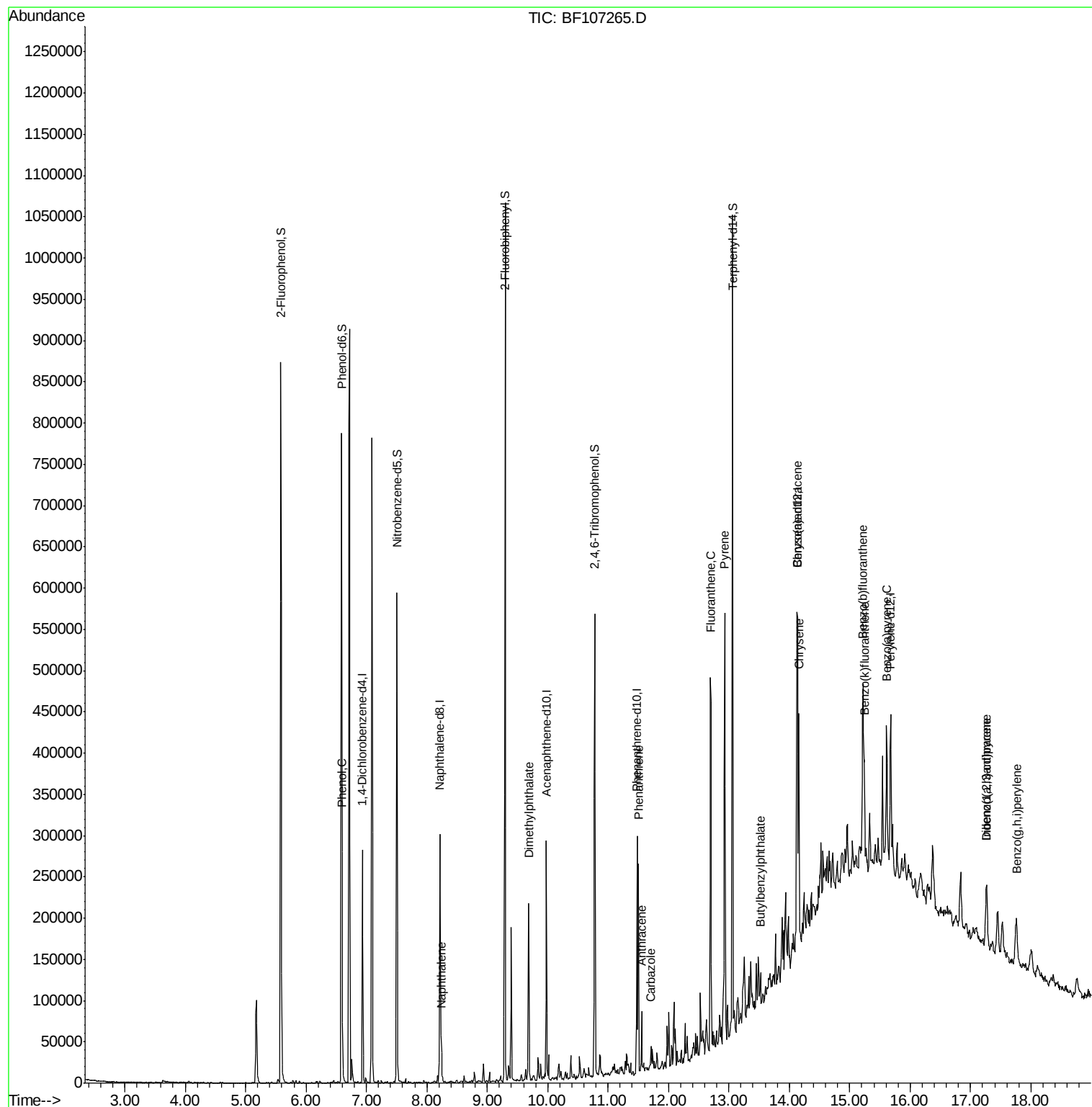
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
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#1

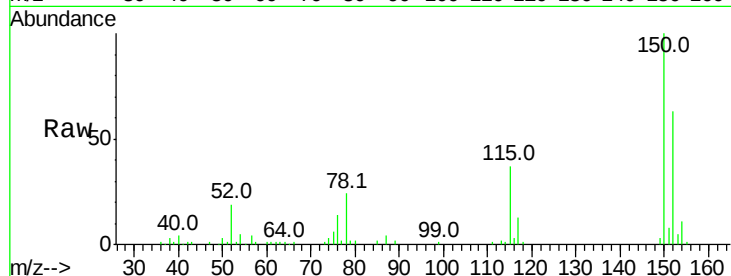
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	59.2	50.1	75.1

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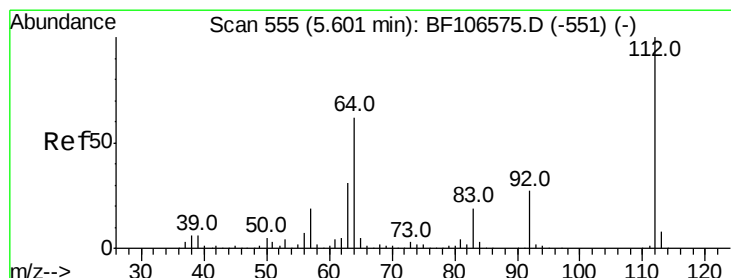
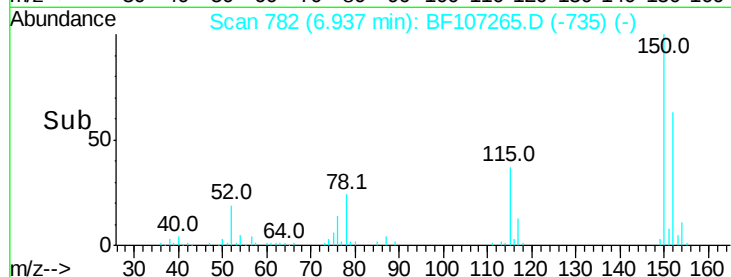
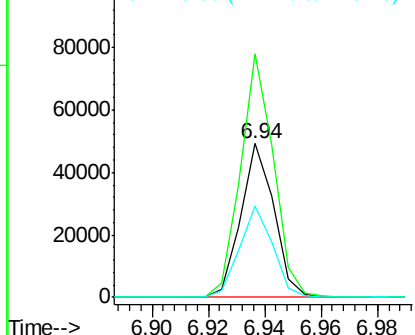


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

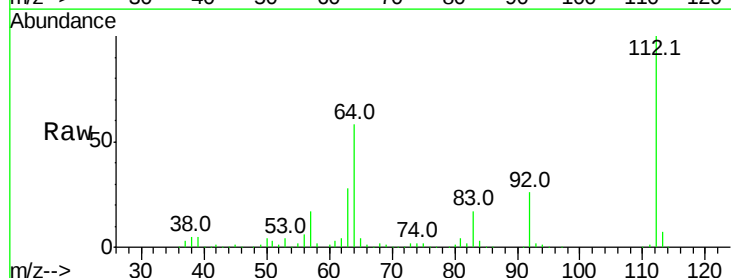
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 111.153 ng
RT: 5.58 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	28.1	23.7	35.5

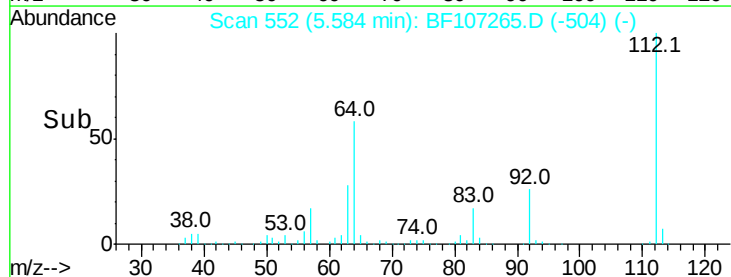
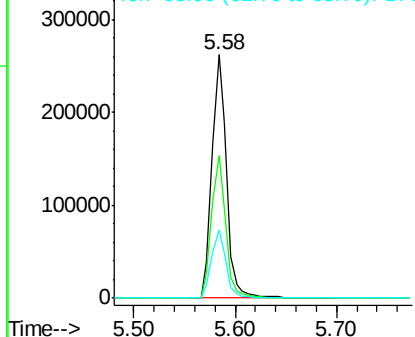


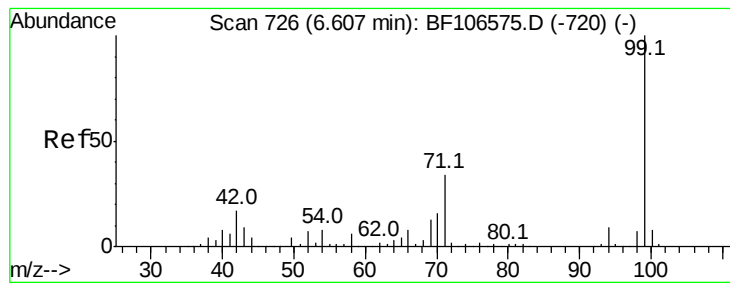
Abundance

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: 106.961 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107265.D

Acq: 10 Jul 2018 11:54

Instrument :

BNA_F

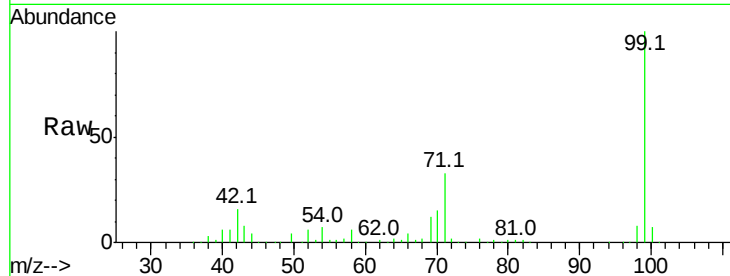
ClientSampleId :

SURCHARGE-SP-4RE

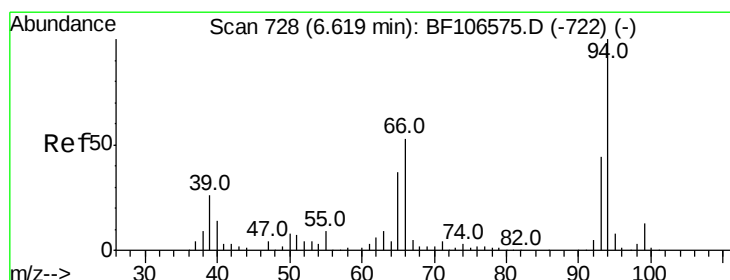
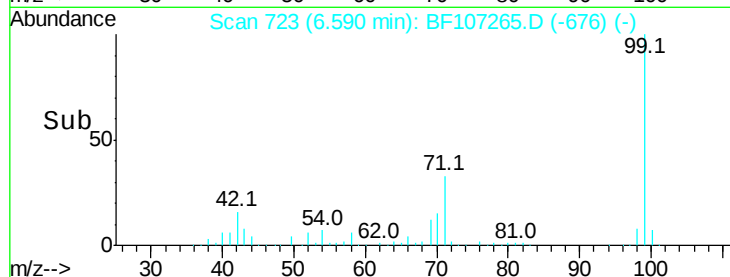
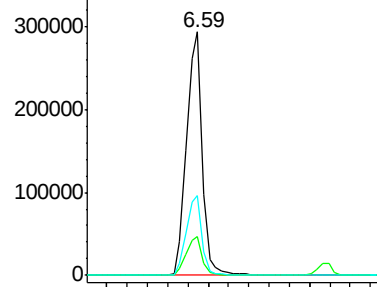
Tot Ion:	99	Resp:	315902
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	33.0	25.4	38.0

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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: 2.025 ng

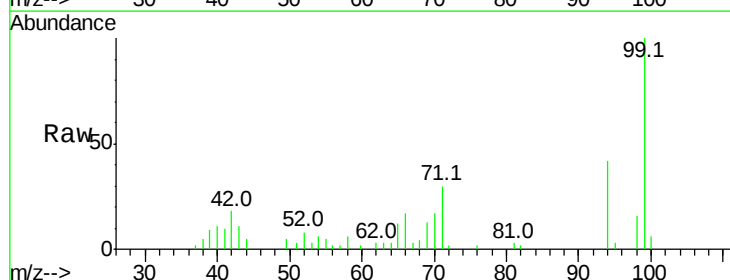
RT: 6.60 min Scan# 725

Delta R.T. -0.02 min

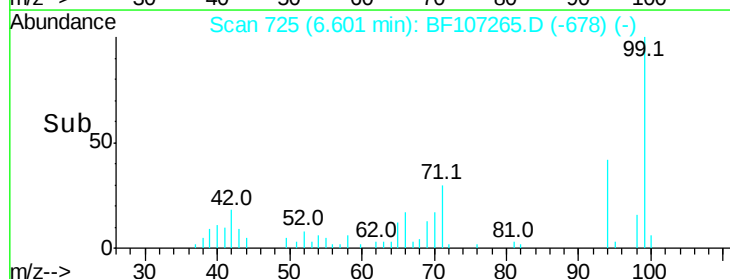
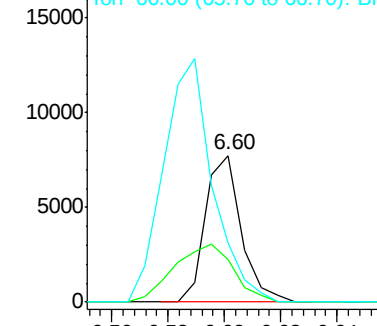
Lab File: BF107265.D

Acq: 10 Jul 2018 11:54

Tgt Ion:	94	Resp:	6824
Ion Ratio	Lower	Upper	
94	100		
65	28.8	7.9	47.9
66	40.0	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





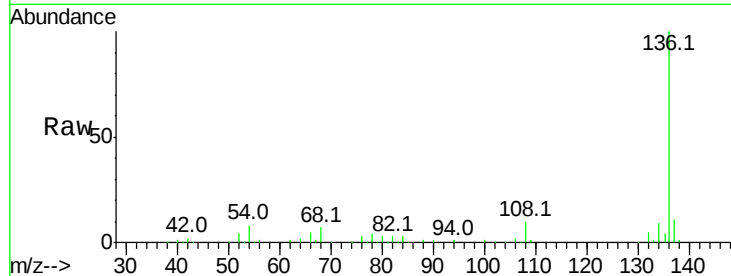
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1000
Delta R.T. -0.03 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4RE

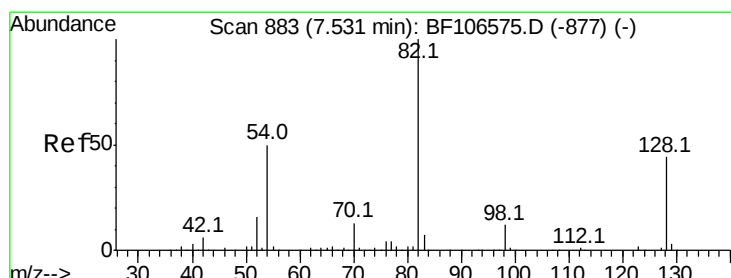
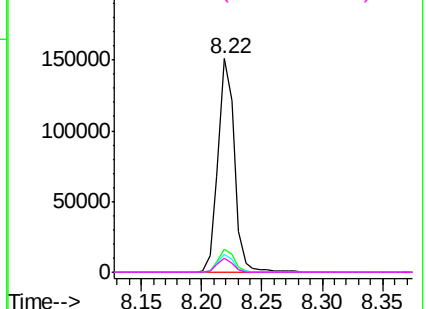
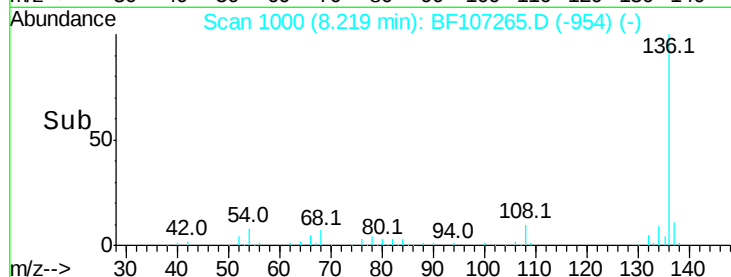
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	8.2	6.6	9.8	
68	6.8	5.0	7.4	

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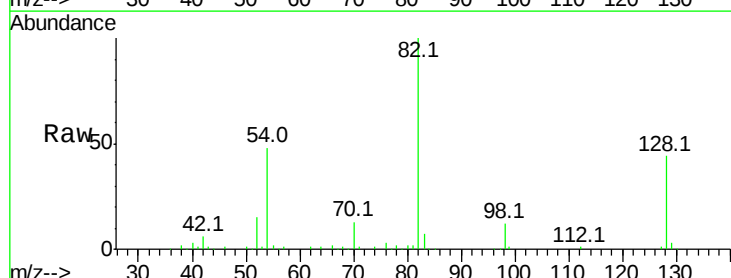


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

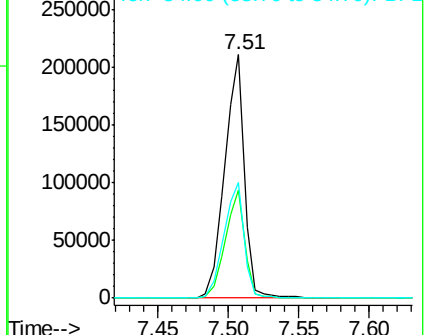
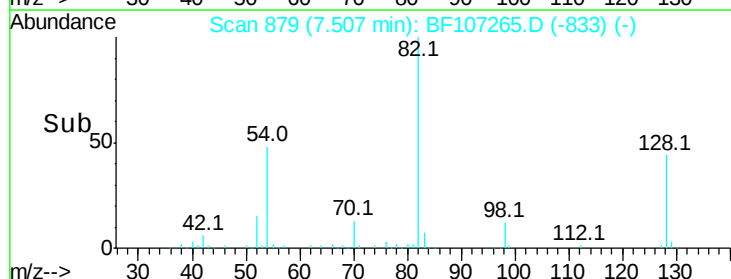


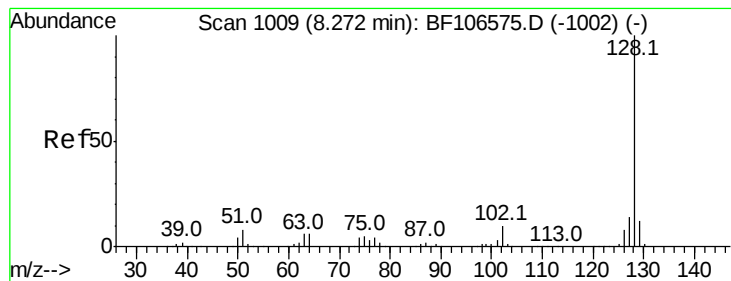
#23
Nitrobenzene-d5
Concen: 80.598 ng
RT: 7.51 min Scan# 879
Delta R.T. -0.03 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.3	36.1	54.1	
54	47.6	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





#31

Naphthalene

Concen: 2.042 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.03 min

Lab File: BF107265.D

Acq: 10 Jul 2018 11:54

Instrument :

BNA_F

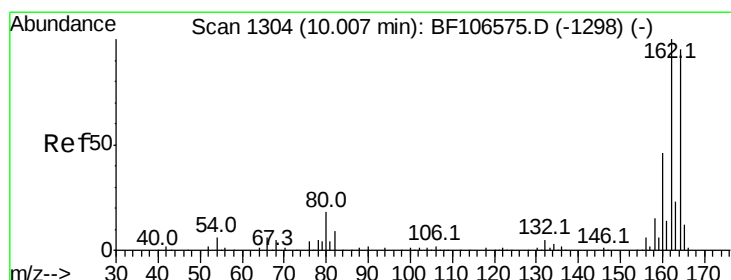
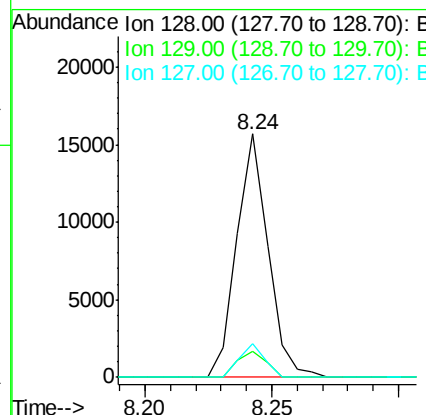
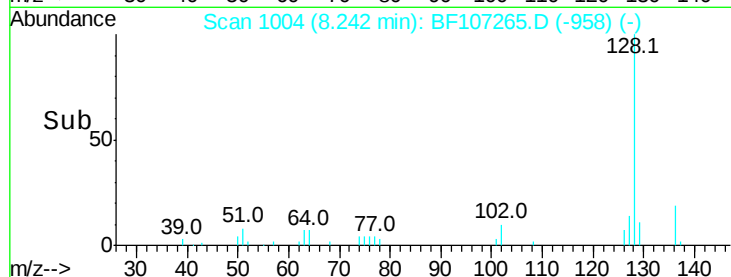
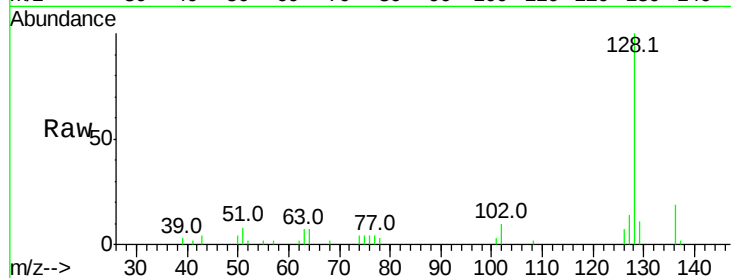
ClientSampleId :

SURCHARGE-SP-4RE

Tot Ion:128	Resp:	13483
Ion Ratio	Lower	Upper
128 100		
129 10.6	8.8	13.2
127 13.6	10.9	16.3

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#38

Acenaphthene-d10

Concen: 20.000 ng

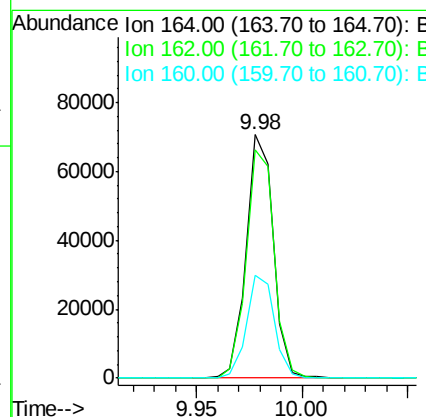
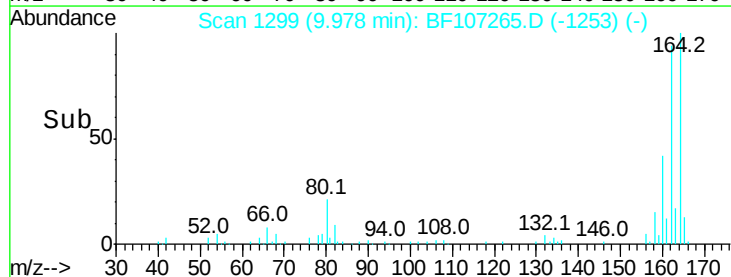
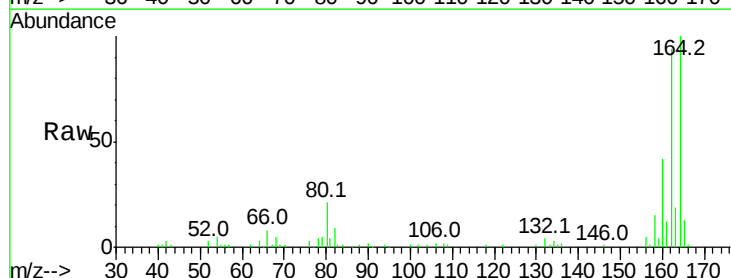
RT: 9.98 min Scan# 1299

Delta R.T. -0.03 min

Lab File: BF107265.D

Acq: 10 Jul 2018 11:54

Tgt Ion:164	Resp:	62623
Ion Ratio	Lower	Upper
164 100		
162 93.8	86.1	129.1
160 42.4	38.3	57.5





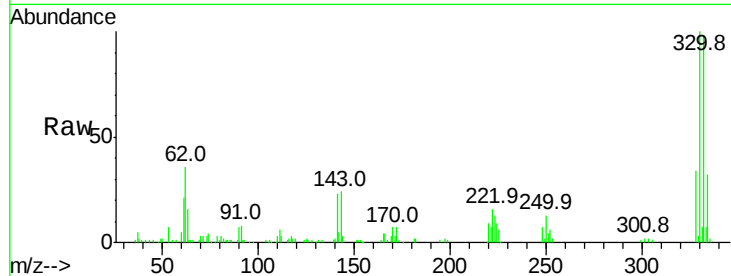
#41
 2,4,6-Tribromophenol
 Concen: 108.040 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF107265.D
 Acq: 10 Jul 2018 11:54

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-4RE

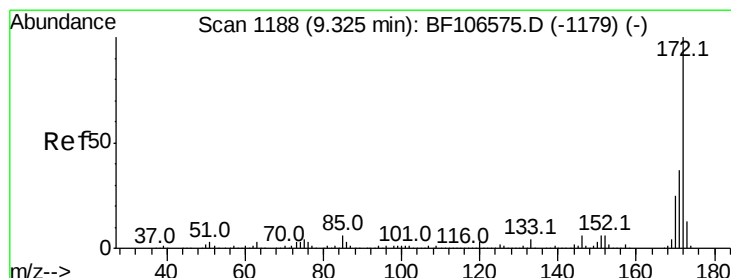
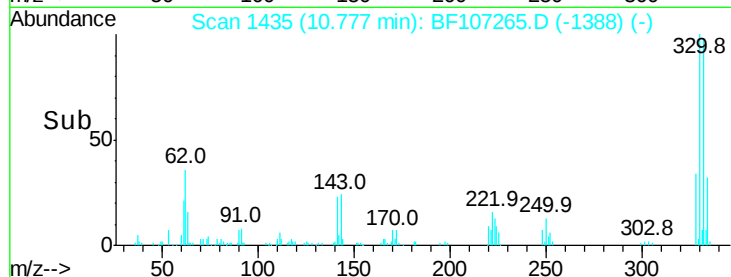
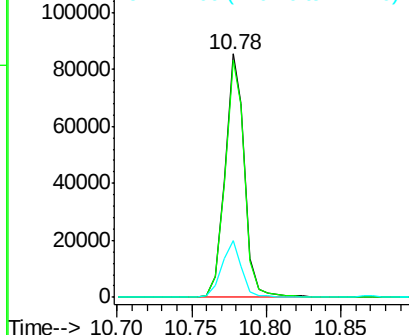
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.0	115.6
141	23.7	29.9	44.9#

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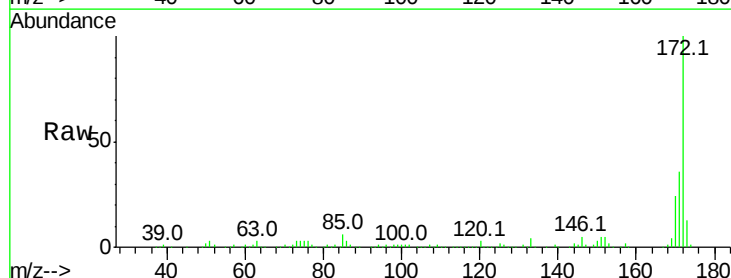


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

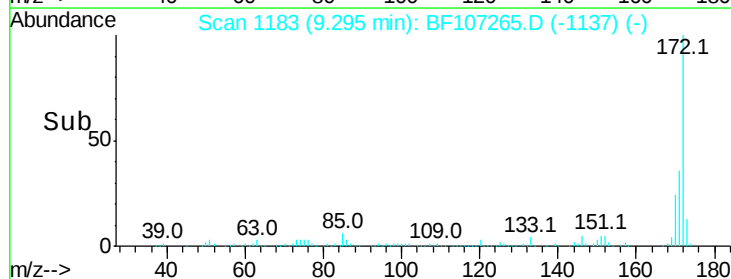
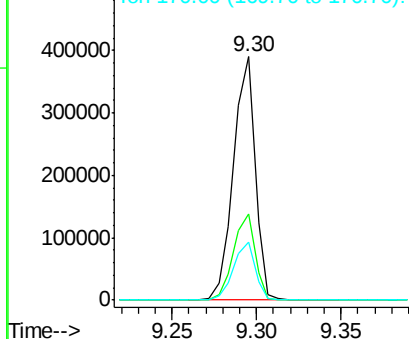


#44
 2-Fluorobiphenyl
 Concen: 96.633 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: BF107265.D
 Acq: 10 Jul 2018 11:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.8	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





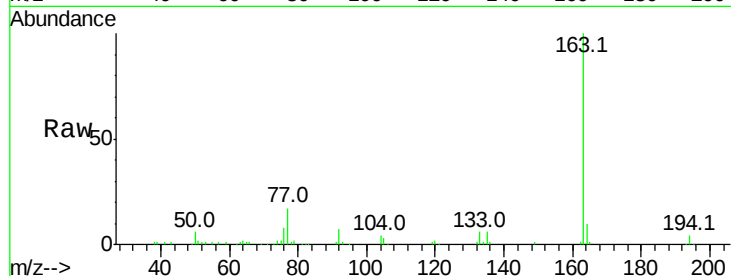
#49
Dimethylphthalate
Concen: 19.590 ng
RT: 9.69 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Instrument :
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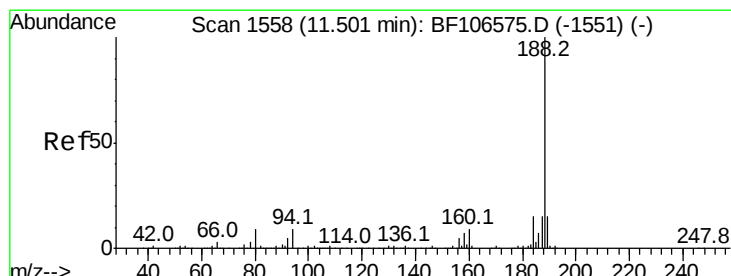
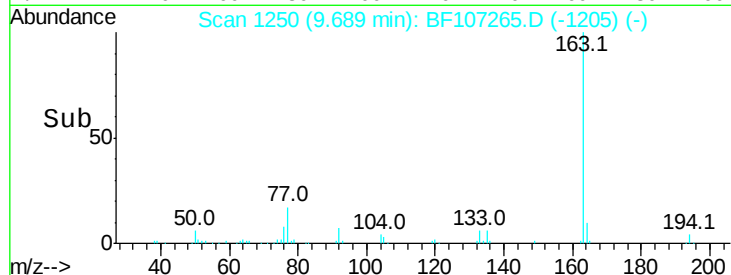
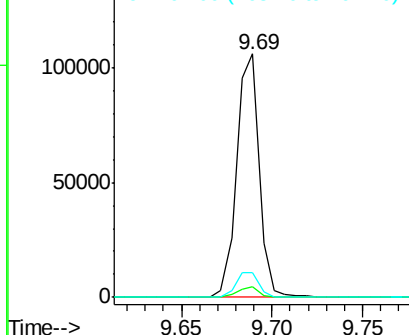
Tot Ion	Ratio	Resp	Lower	Upper
163	100	92012		
194	4.1		2.7	4.1#
164	10.4		8.2	12.2

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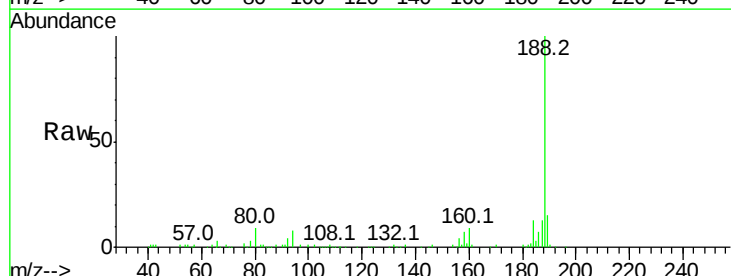


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

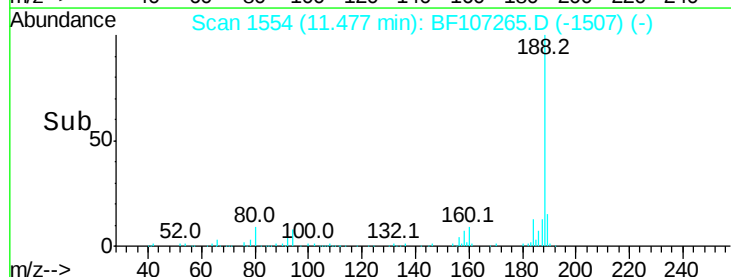
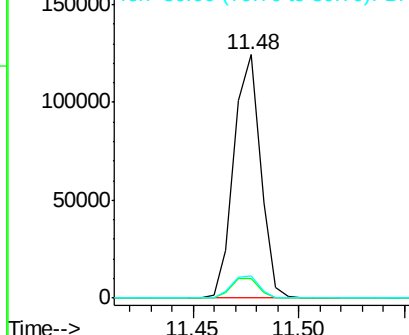


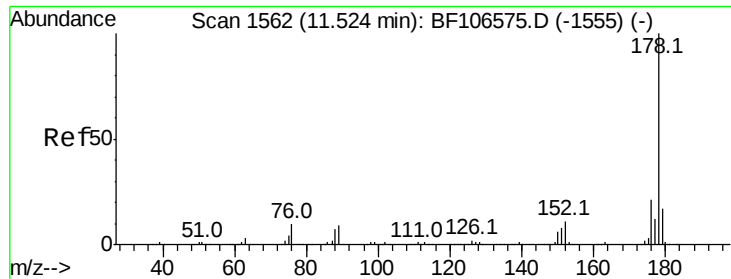
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	108218		
94	8.0		8.5	12.7#
80	9.2		9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





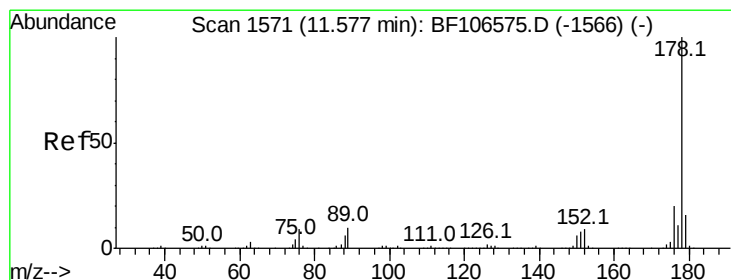
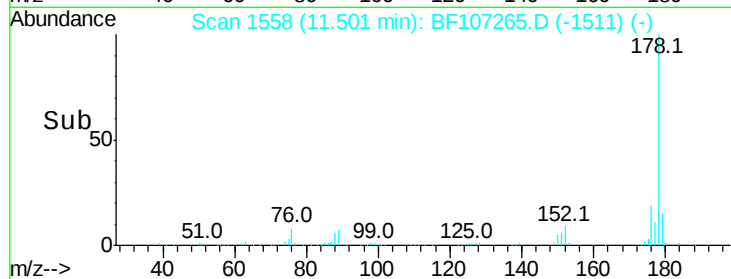
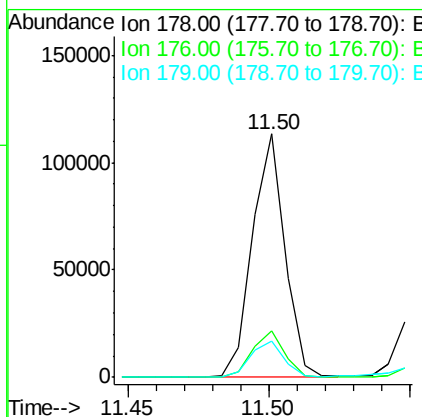
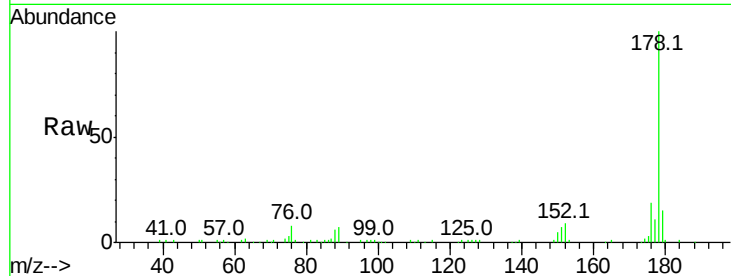
#70
Phenanthrene
Concen: 17.381 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.8	13.0	19.6

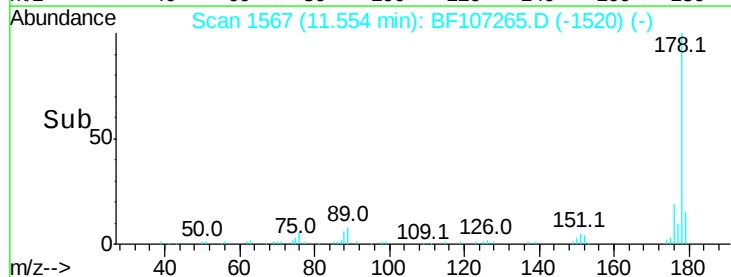
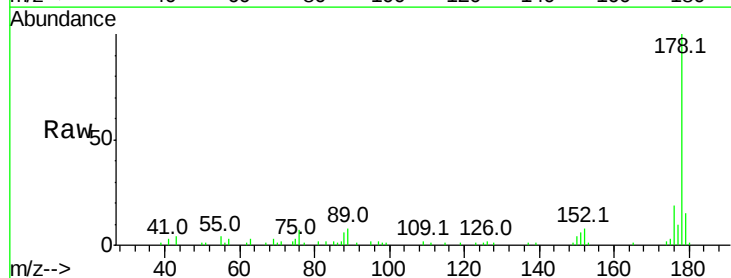
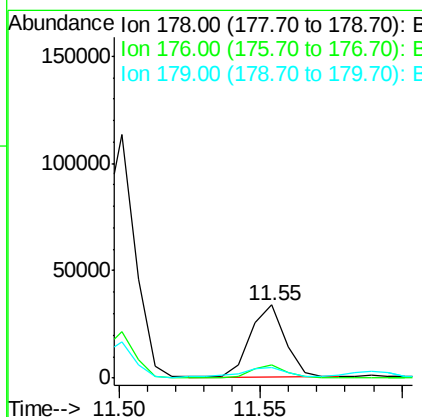
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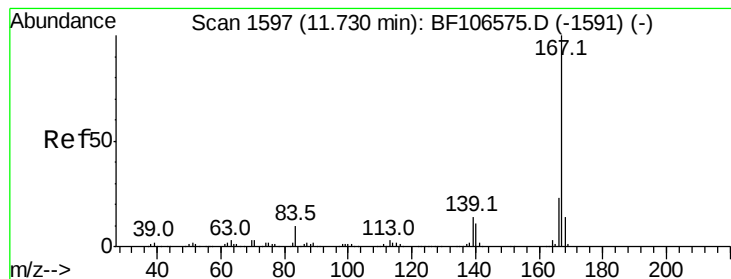
Sohil
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#71
Anthracene
Concen: 5.416 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

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





#72

Carbazole

Concen: 2.070 ng

RT: 11.71 min Scan# 1594

Delta R.T. -0.02 min

Lab File: BF107265.D

Acq: 10 Jul 2018 11:54

Instrument :

BNA_F

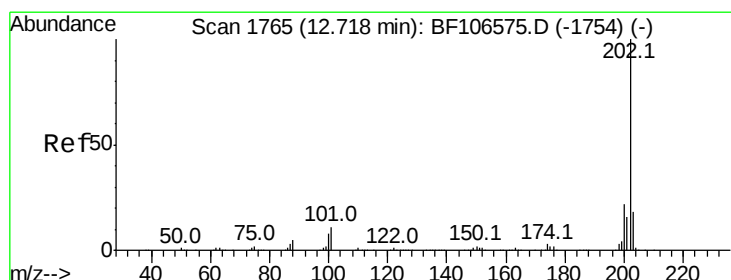
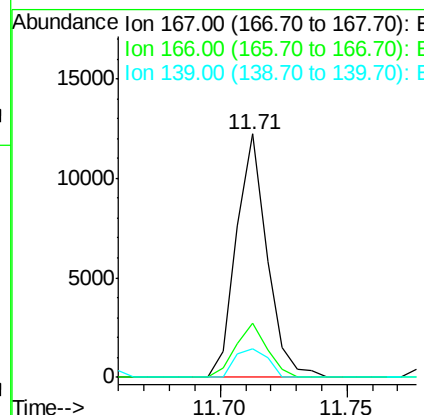
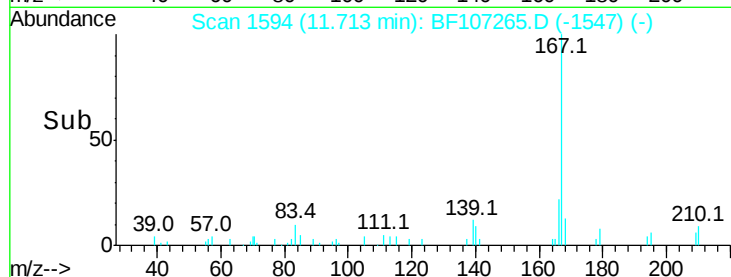
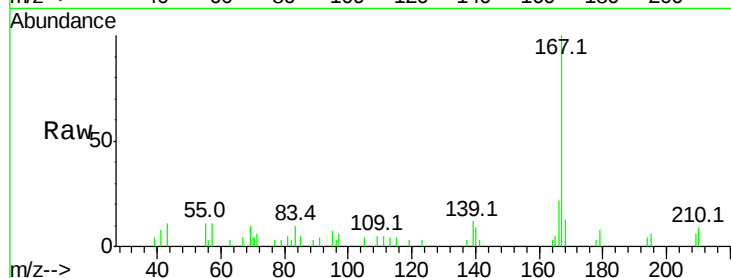
ClientSampleId :

SURCHARGE-SP-4RE

Tot Ion:	167	Resp:	10324
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.6	26.4
139	11.7	10.9	16.3

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#74

Fluoranthene

Concen: 33.712 ng

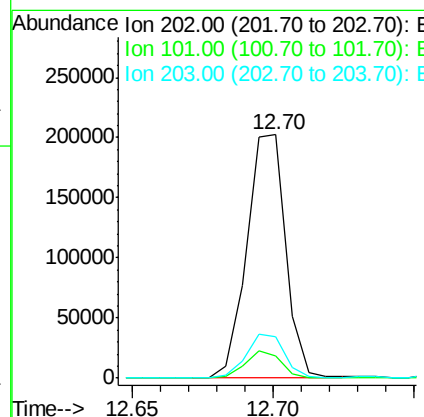
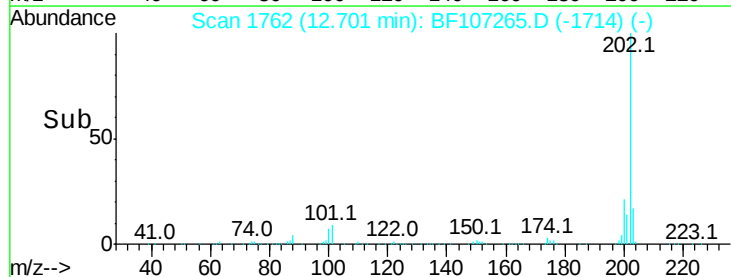
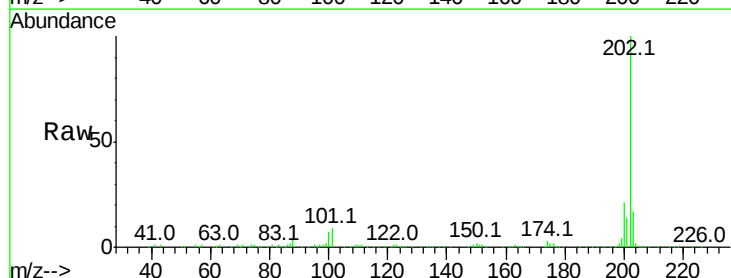
RT: 12.70 min Scan# 1762

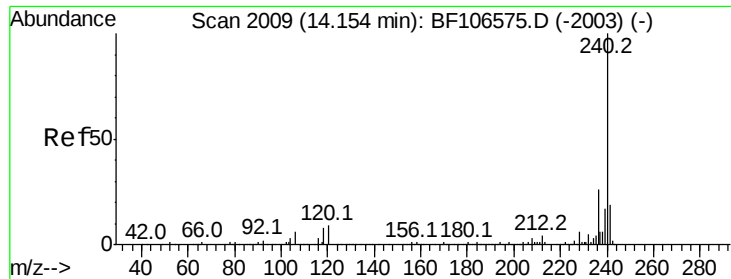
Delta R.T. -0.02 min

Lab File: BF107265.D

Acq: 10 Jul 2018 11:54

Tgt Ion:	202	Resp:	193947
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	34.1
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107265.D

Acq: 10 Jul 2018 11:54

Instrument :

BNA_F

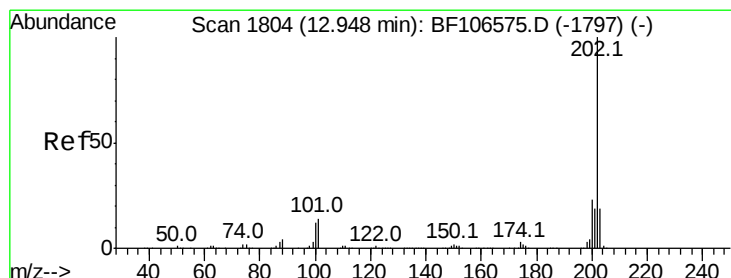
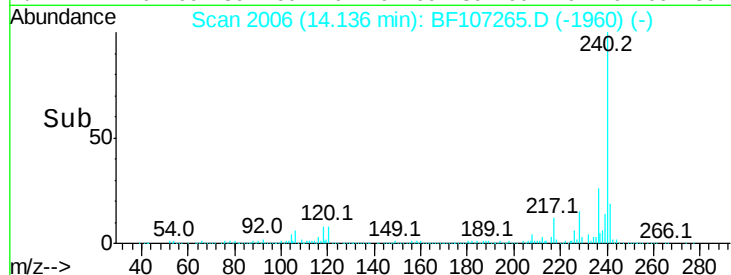
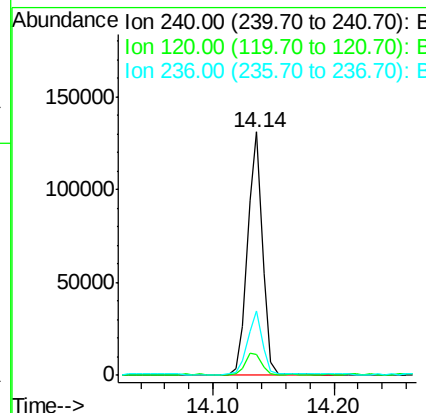
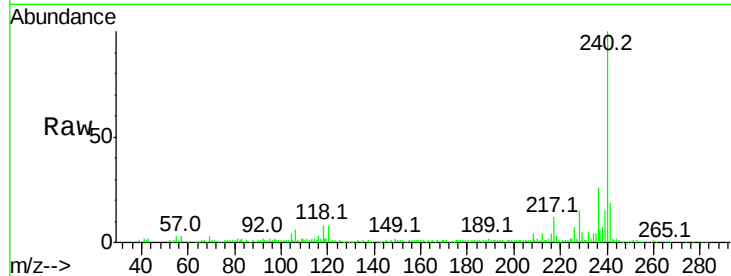
ClientSampleId :

SURCHARGE-SP-4RE

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.4	9.5	14.3#
236	26.4	20.7	31.1

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#77

Pyrene

Concen: 27.866 ng

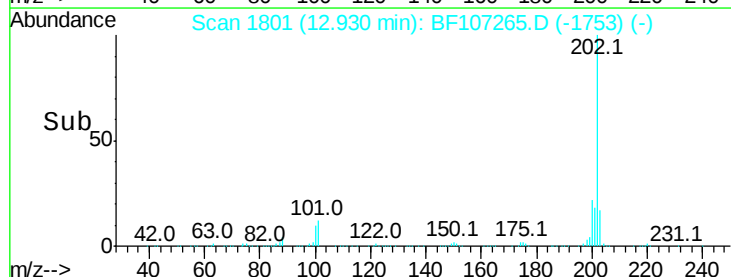
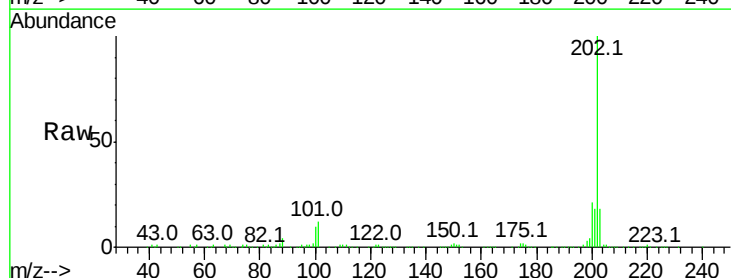
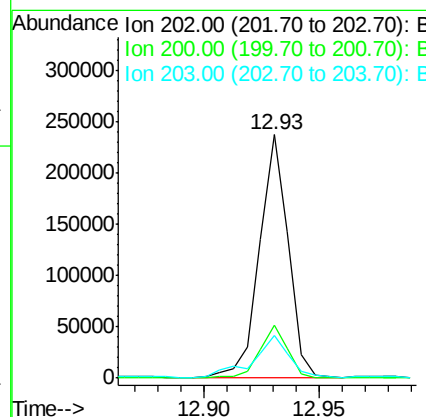
RT: 12.93 min Scan# 1801

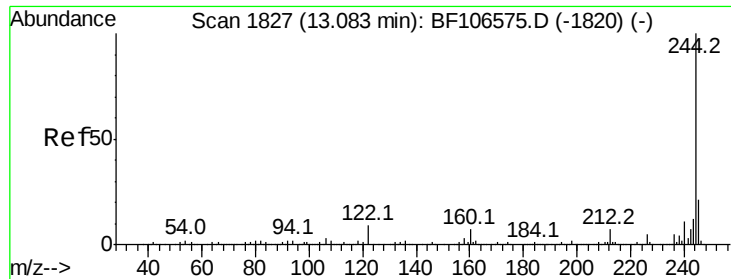
Delta R.T. -0.02 min

Lab File: BF107265.D

Acq: 10 Jul 2018 11:54

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





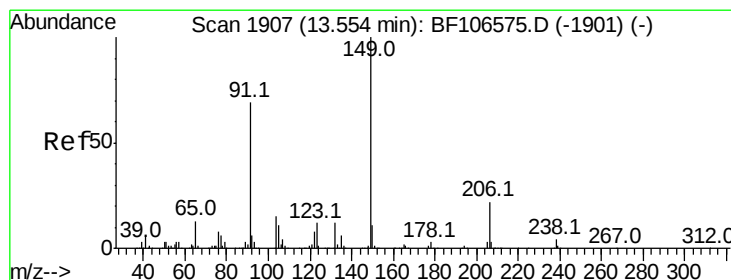
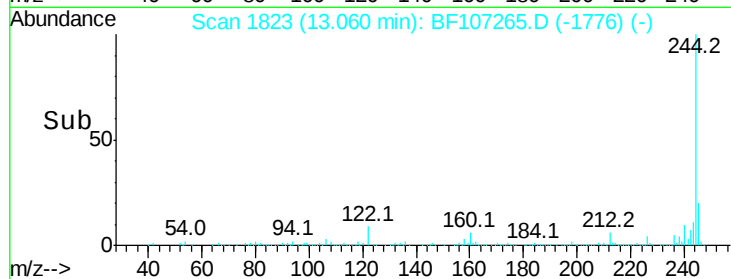
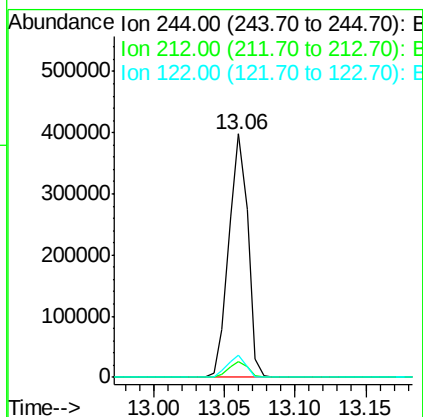
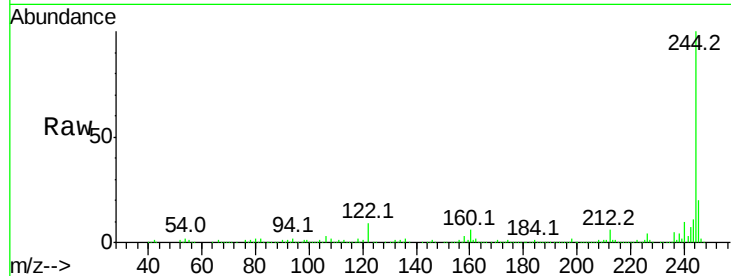
#78
 Terphenyl-d14
 Concen: 80.377 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BF107265.D
 Acq: 10 Jul 2018 11:54

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-4RE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.2	11.0	16.4

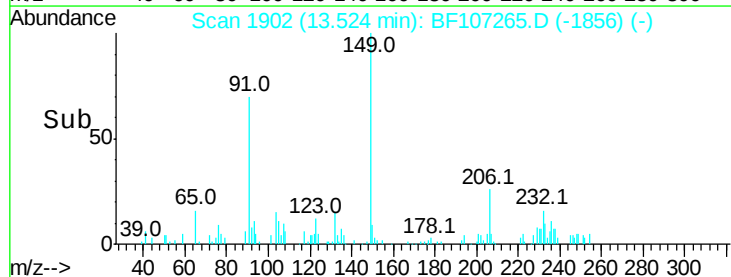
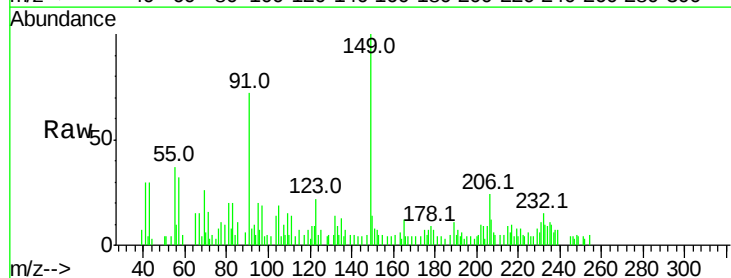
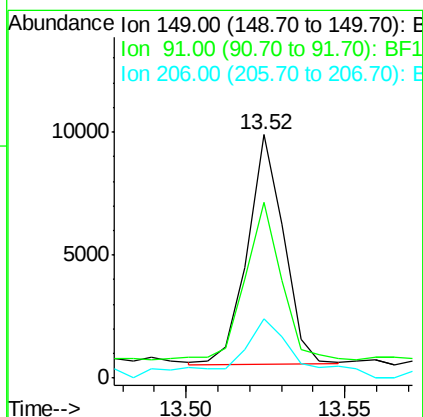
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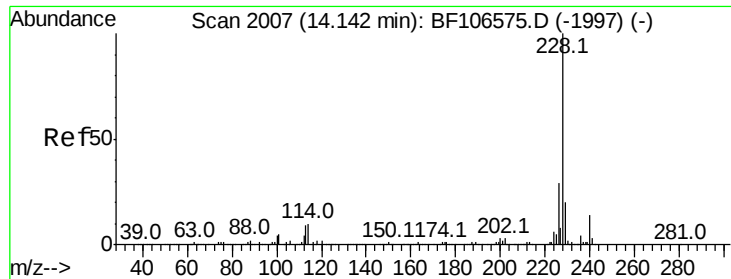
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#79
 Butylbenzylphthalate
 Concen: 2.417 ng
 RT: 13.52 min Scan# 1902
 Delta R.T. -0.03 min
 Lab File: BF107265.D
 Acq: 10 Jul 2018 11:54

Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.3	56.8	85.2
206	24.2	14.1	21.1





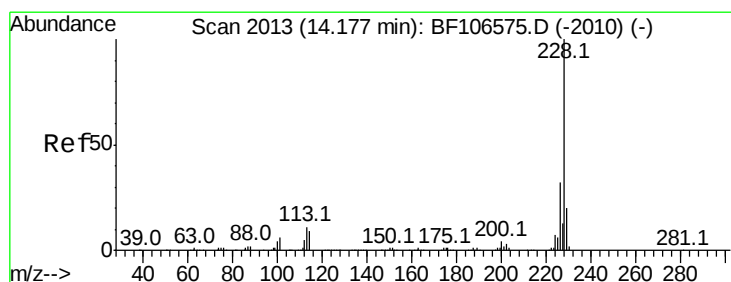
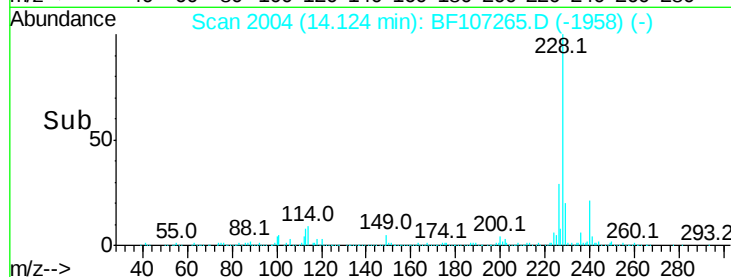
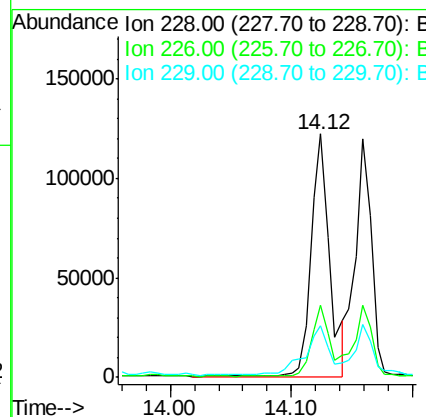
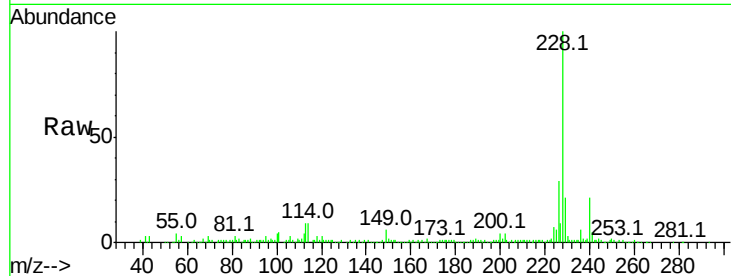
#80
Benzo(a)anthracene
Concen: 18.915 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	21.1	15.8	23.6

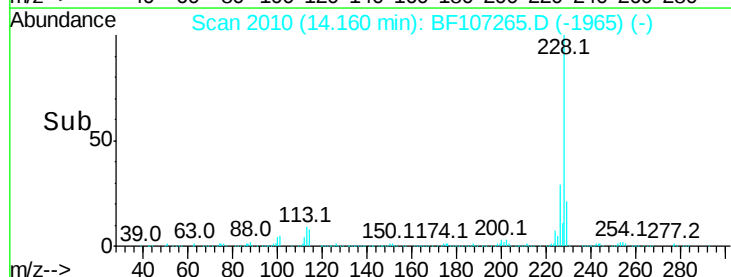
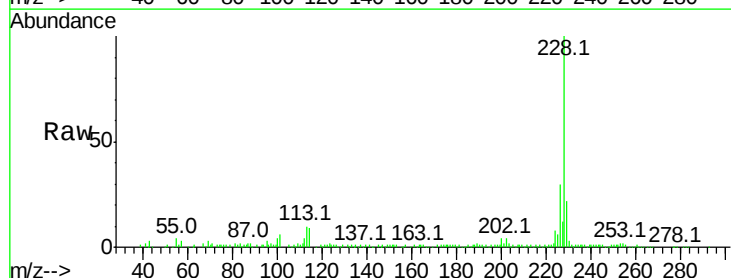
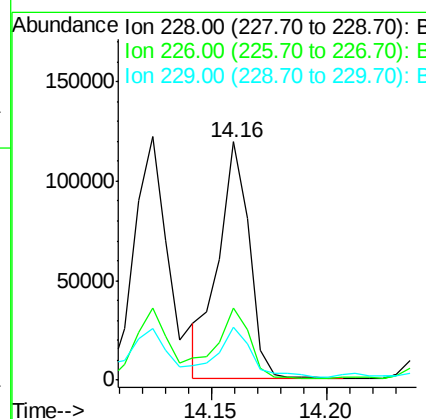
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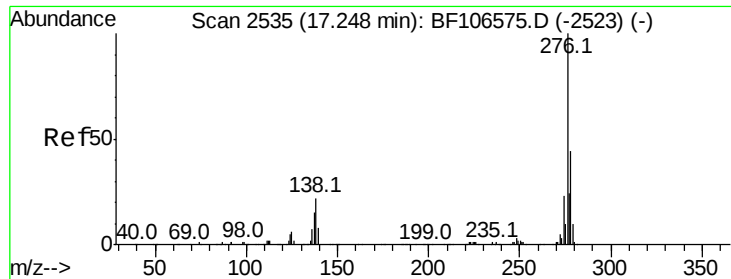
Sohil
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#82
Chrysene
Concen: 17.523 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.04 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.3	16.2	24.4





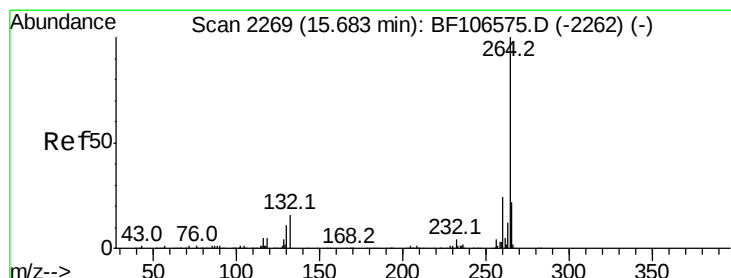
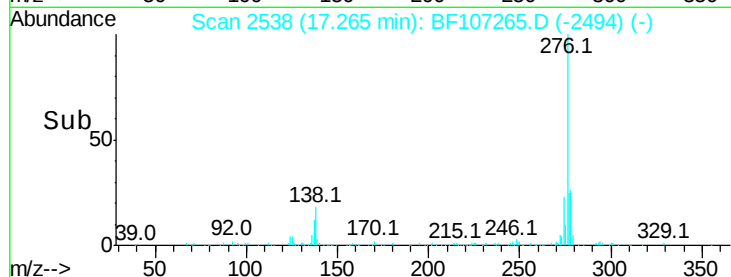
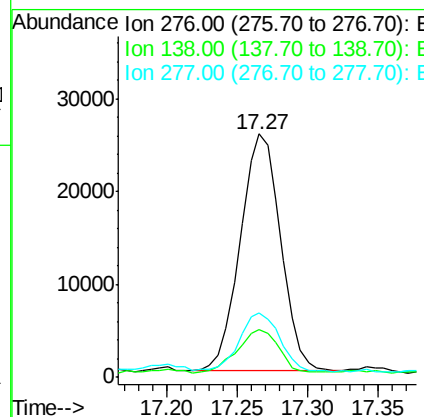
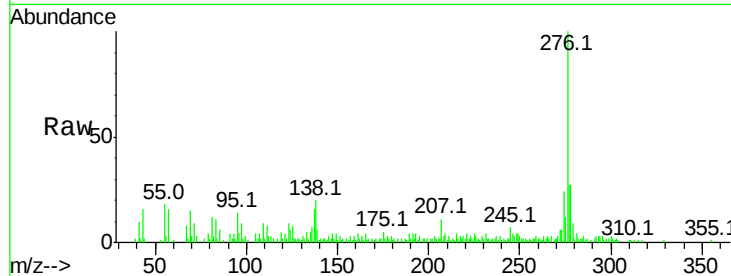
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.542 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.04 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	25.0	37.6#
277	25.3	20.1	30.1

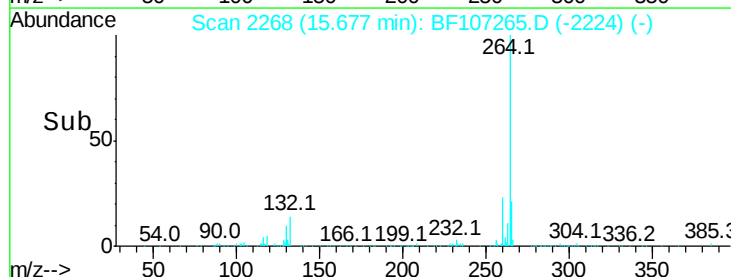
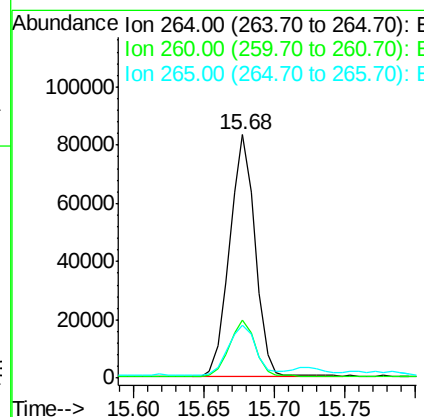
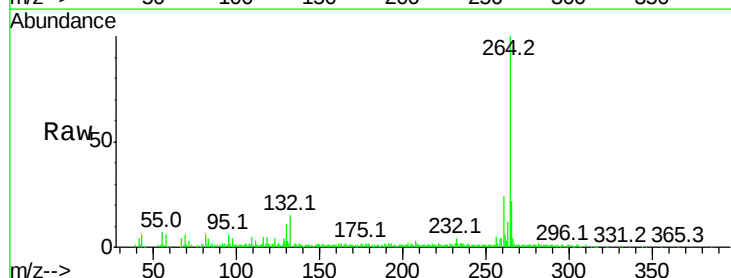
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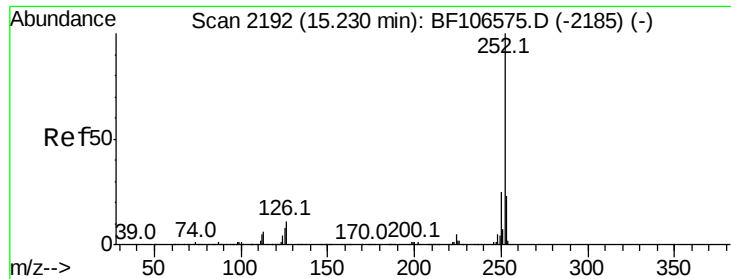
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.04 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.8	17.5	26.3





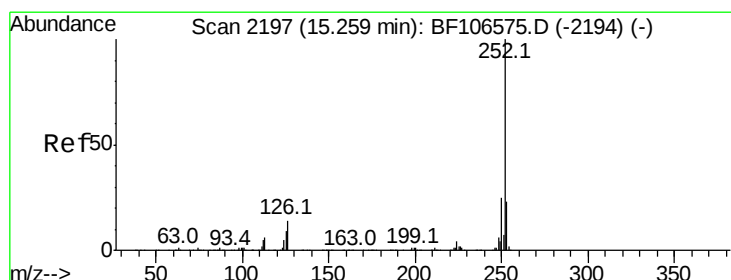
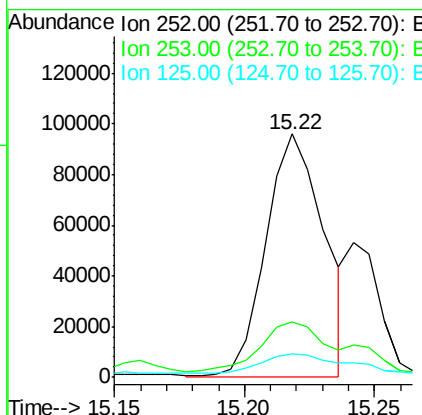
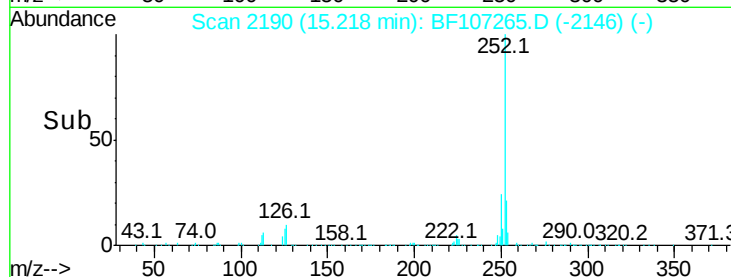
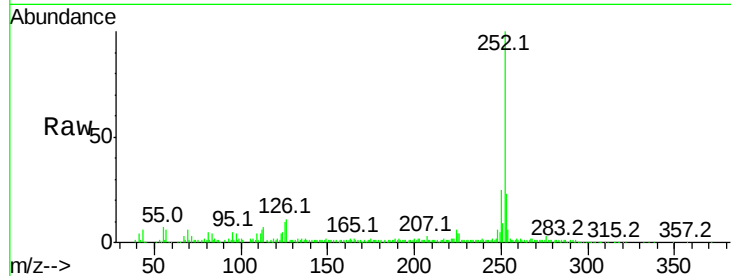
#87
Benzo(b)fluoranthene
Concen: 22.985 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	9.7	9.0	13.6

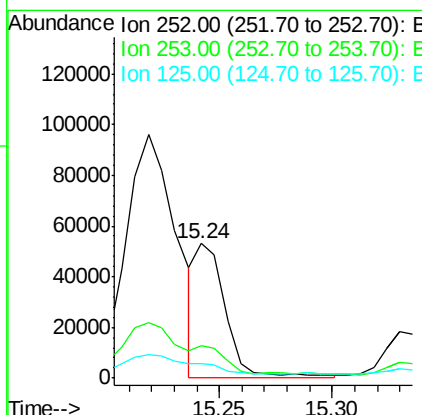
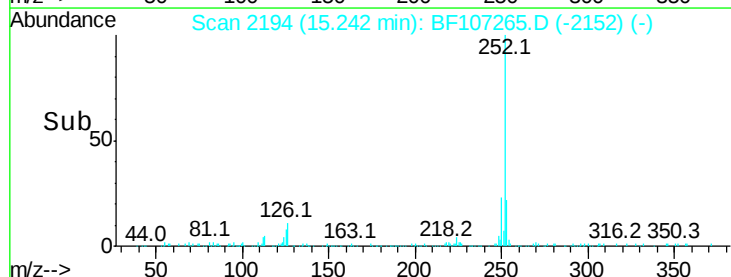
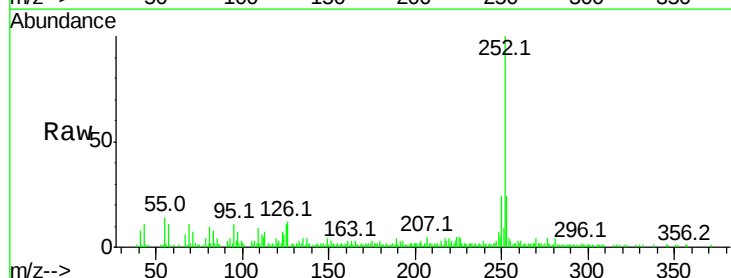
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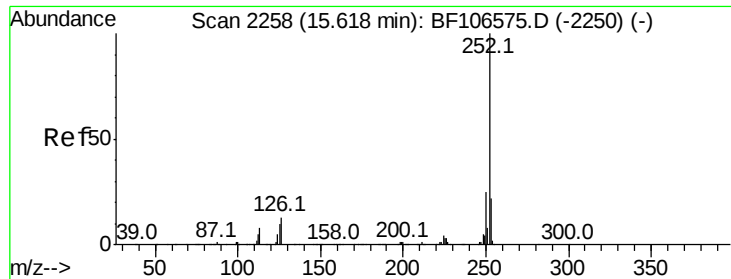
Sohil
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#88
Benzo(k)fluoranthene
Concen: 8.009 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	10.7	10.2	15.2





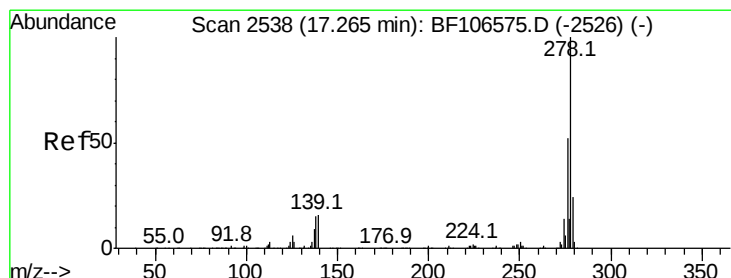
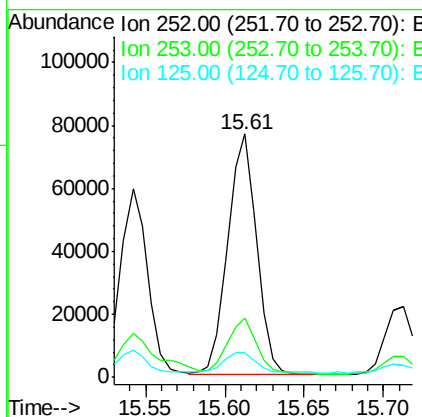
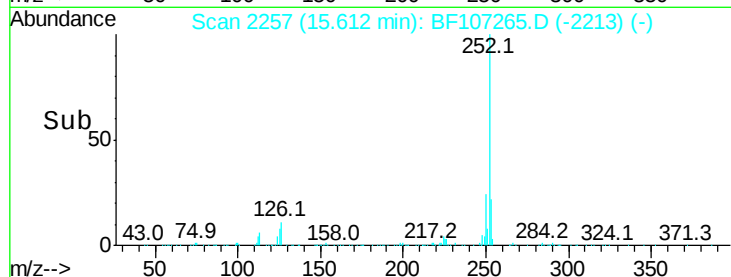
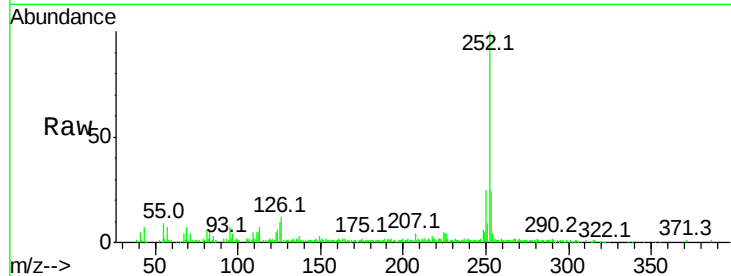
#89
Benzo(a)pyrene
Concen: 16.832 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	10.1	9.8	14.6

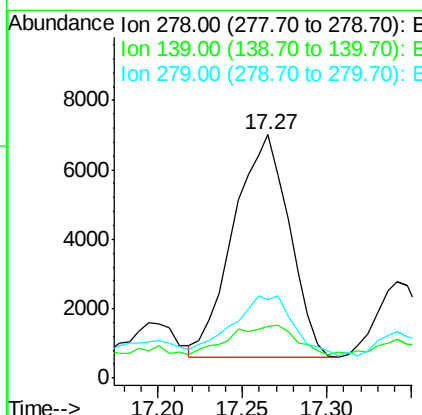
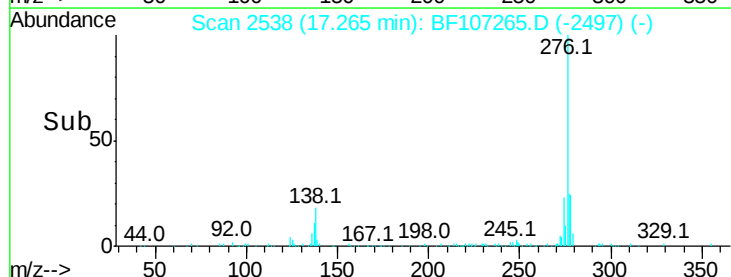
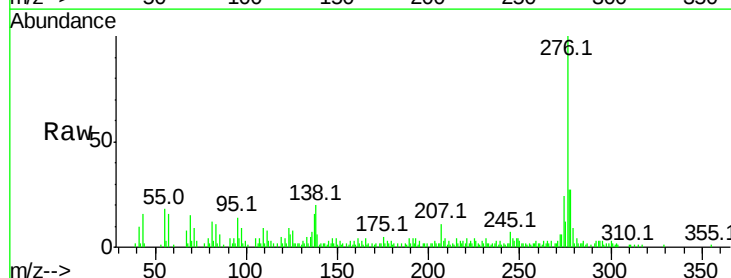
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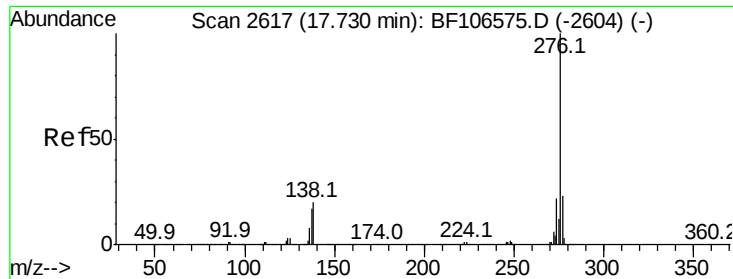
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.014 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.06 min
Lab File: BF107265.D
Acq: 10 Jul 2018 11:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.3	15.9	23.9
279	32.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 10.485 ng
 RT: 17.75 min Scan# 2621
 Delta R.T. -0.04 min
 Lab File: BF107265.D
 Acq: 10 Jul 2018 11:54

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-4RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	18.5	21.8	32.8

Manual Integrations
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