

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107245.D
 Acq On : 9 Jul 2018 22:36
 Operator : JU/SJ
 Sample : J3880-13
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-17

Manual Integrations
 APPROVED

Sohil
 7/10/2018 2:47:03 PM

Quant Time: Jul 10 05:21:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	29072	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	96402	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	44143	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	91878	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	65735	20.00	ng	-0.02
86) Perylene-d12	15.69	264	52104	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	186549	108.66	ng	0.00
7) Phenol-d6	6.60	99	218831	102.07	ng	-0.02
23) Nitrobenzene-d5	7.51	82	117884	67.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	56543	110.52	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	224111	86.13	ng	-0.02
78) Terphenyl-d14	13.07	244	293685	108.22	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.70	163	53624	16.197	ng	Qvalue 98
70) Phenanthrene	11.51	178	38913	8.781	ng	97
71) Anthracene	11.57	178	16375	3.620	ng	97
74) Fluoranthene	12.71	202	89568	18.338	ng	96
77) Pyrene	12.95	202	82612	19.058	ng	97
80) Benzo(a)anthracene	14.14	228	38887	9.706	ng	97
82) Chrysene	14.18	228	34364	9.323	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	17658	5.645	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	42345m	13.083	ng	
88) Benzo(k)fluoranthene	15.26	252	9802m	3.180	ng	
89) Benzo(a)pyrene	15.62	252	26162	9.092	ng	# 91
90) Dibenzo(a,h)anthracene	17.28	278	5487	2.250	ng	# 63
91) Benzo(a,h,i)perylene	17.79	276	17835	7.483	ng	# 90

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

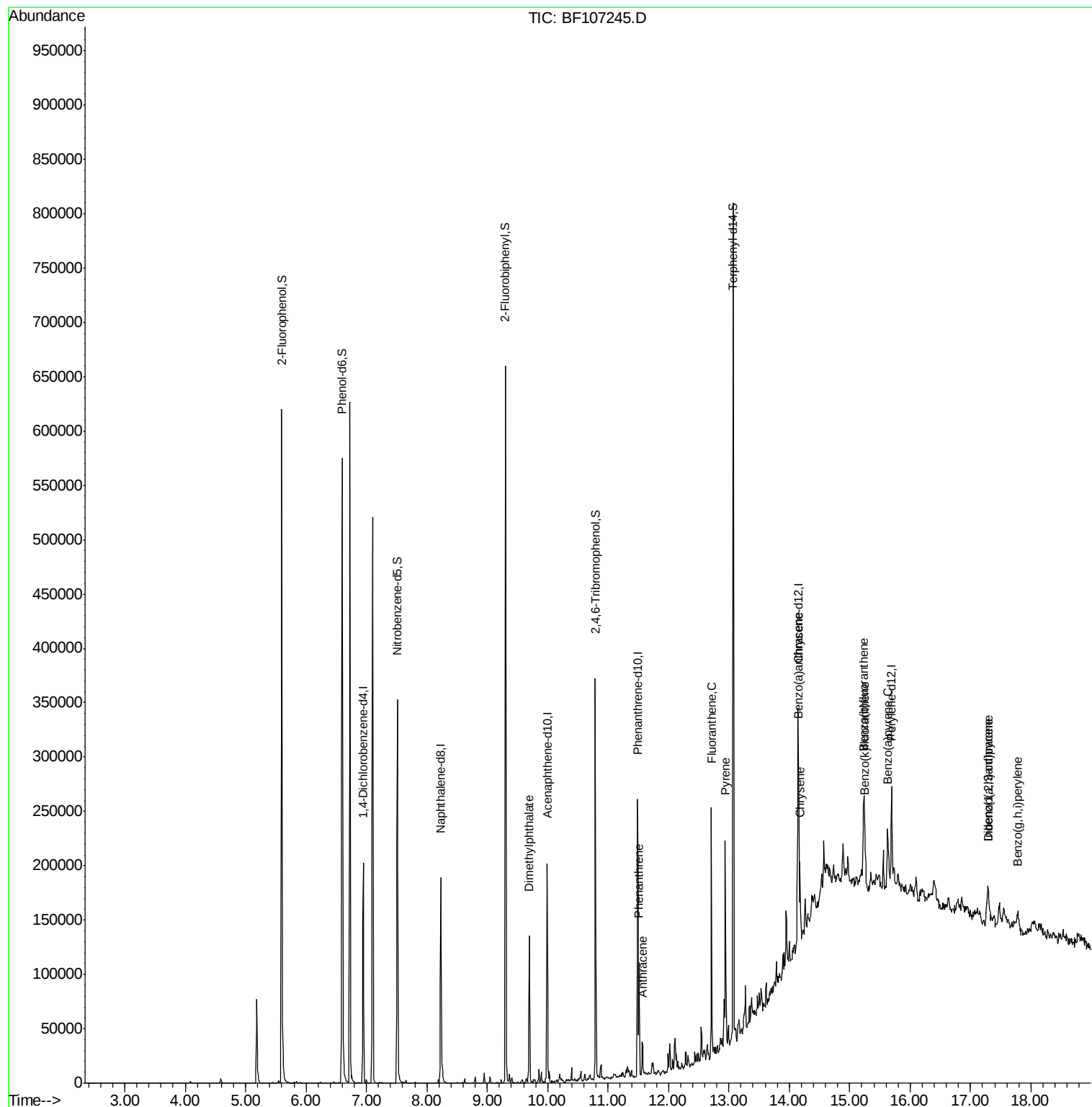
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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#1

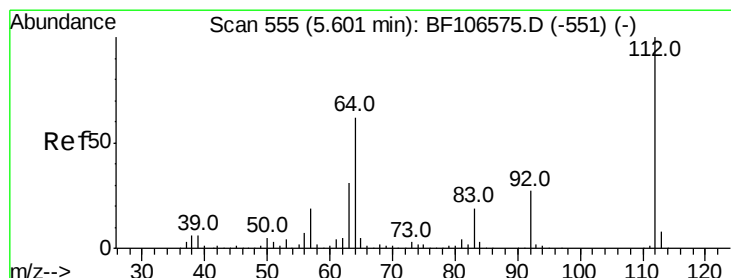
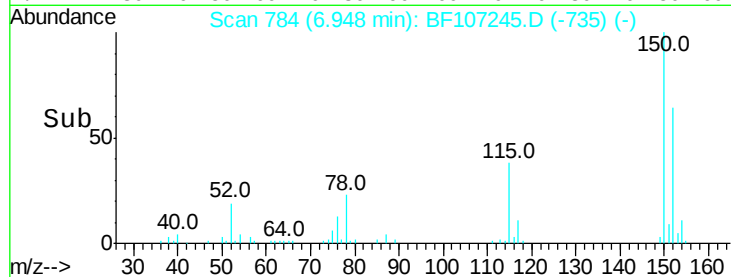
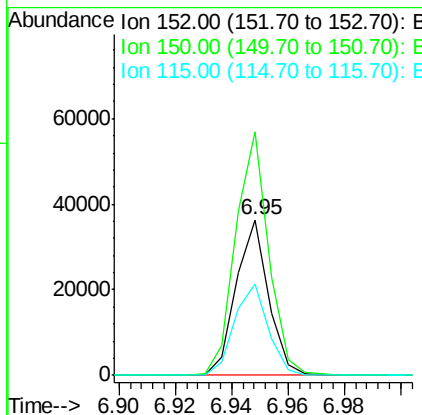
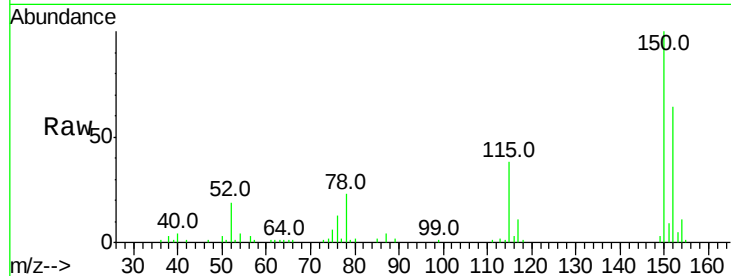
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	58.6	50.1	75.1

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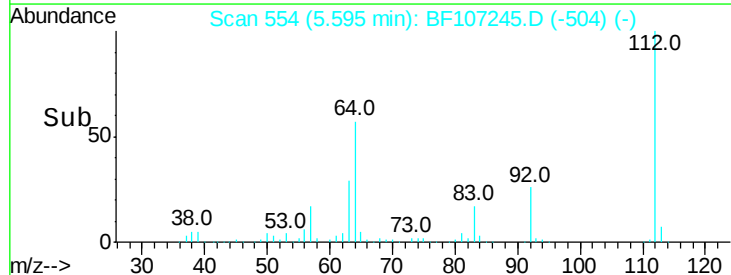
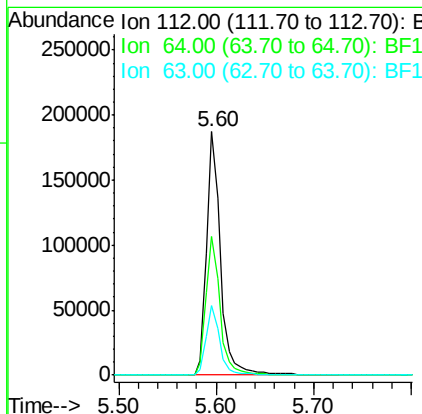
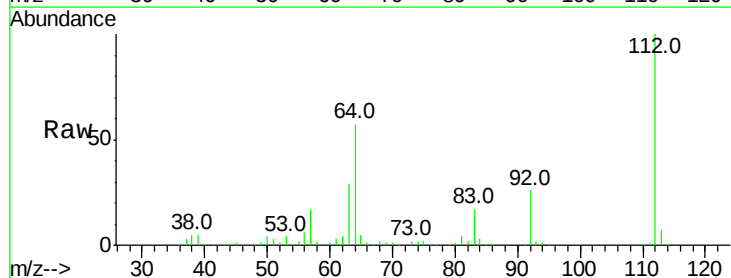
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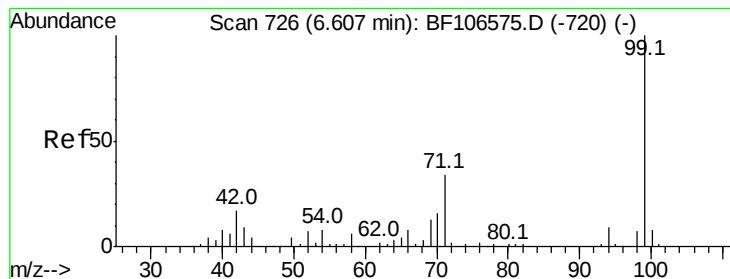


#5

2-Fluorophenol
Concen: 108.657 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 102.065 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Instrument :

BNA_F

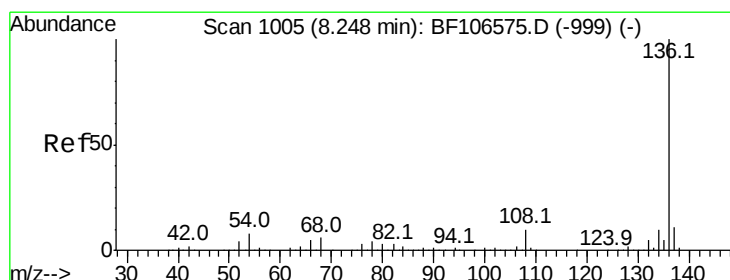
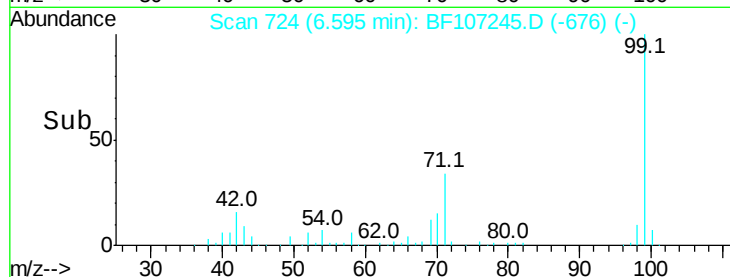
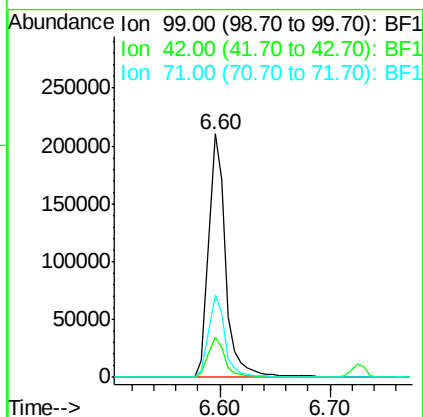
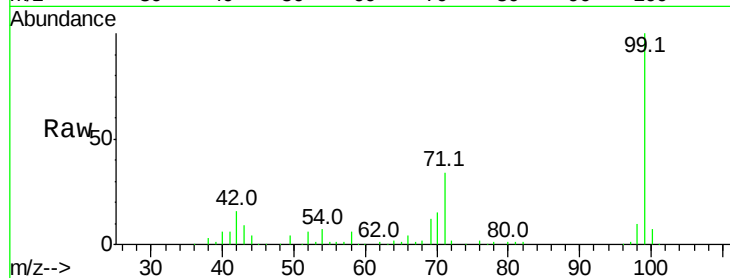
ClientSampleId :

SURCHARGE-SP-17

Tot Ion:	99	Resp:	218831
Ion Ratio	Lower	Upper	
99	100		
42	16.3	14.5	21.7
71	33.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

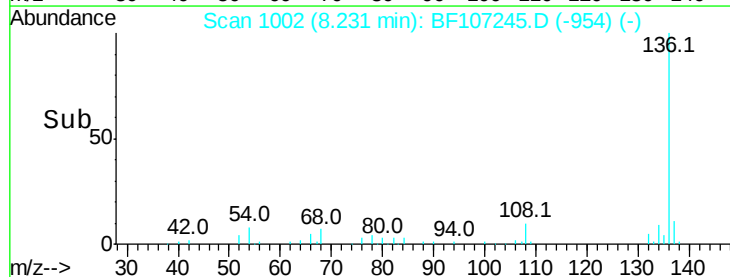
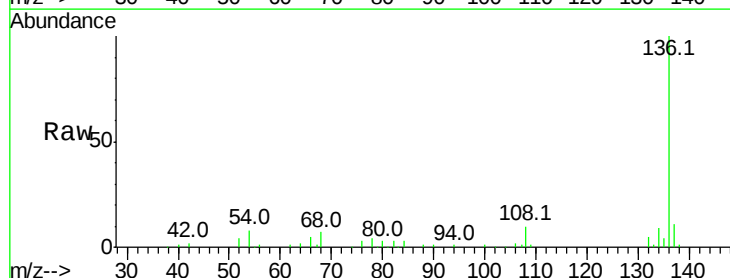
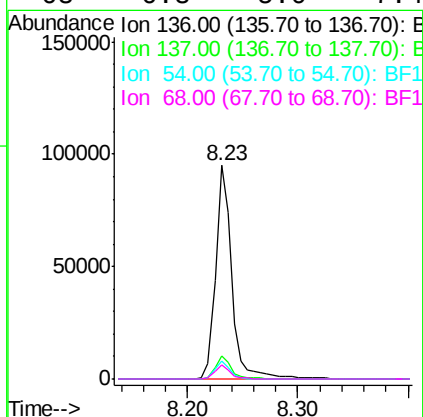
RT: 8.23 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Tgt Ion:	136	Resp:	96402
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.4	6.6	9.8
68	6.8	5.0	7.4





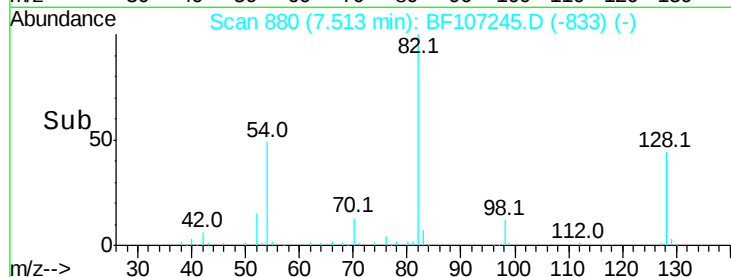
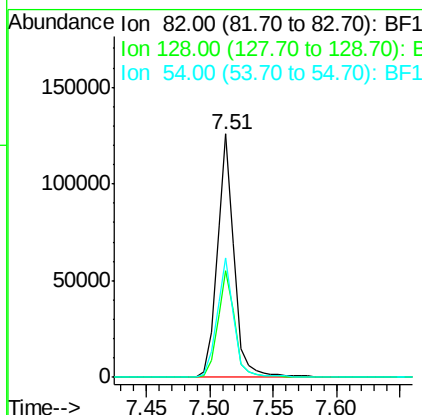
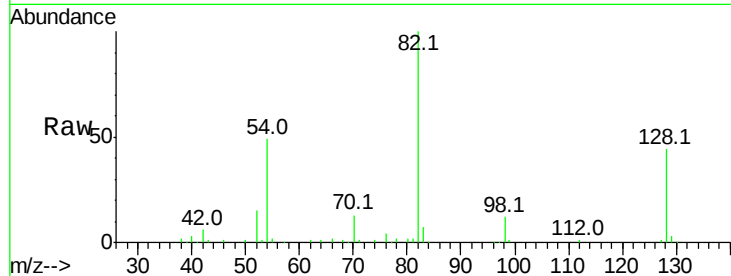
#23
Nitrobenzene-d5
Concen: 67.957 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	49.0	41.4	62.2

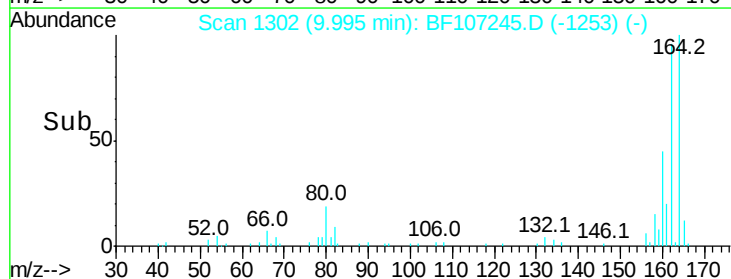
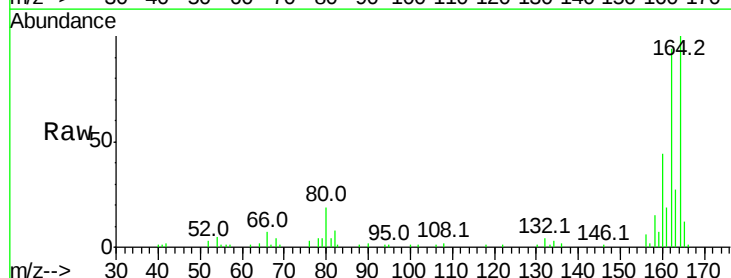
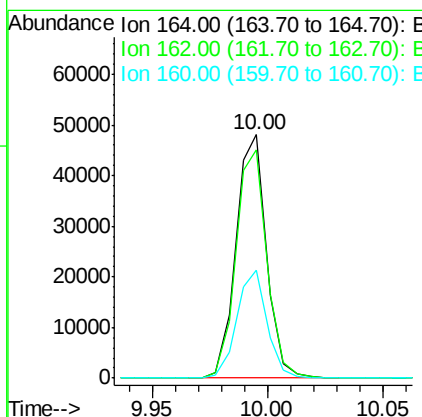
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	93.6	86.1	129.1
160	44.2	38.3	57.5





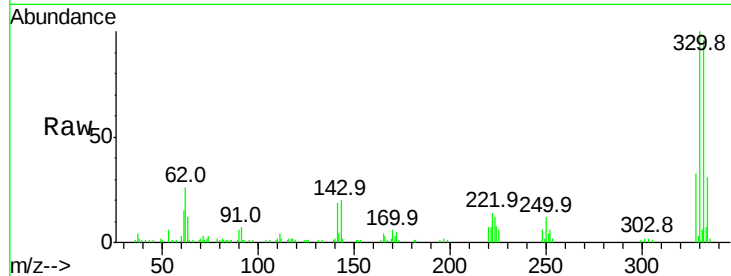
#41
 2,4,6-Tribromophenol
 Concen: 110.516 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107245.D
 Acq: 9 Jul 2018 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-17

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	24.0	29.9	44.9#

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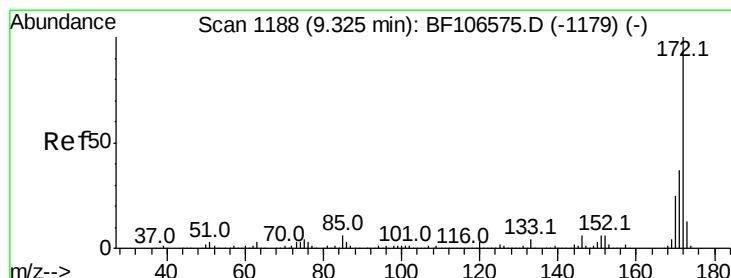
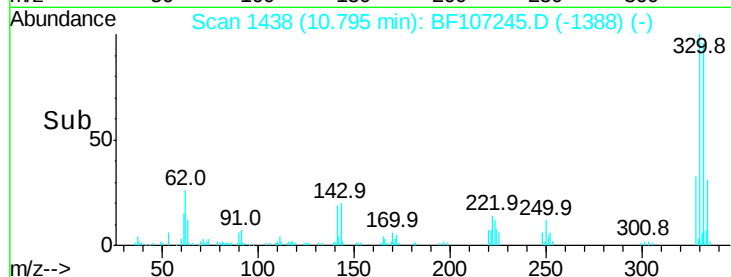
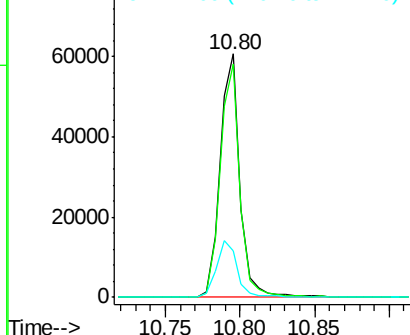


Abundance

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: 86.129 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107245.D
 Acq: 9 Jul 2018 22:36

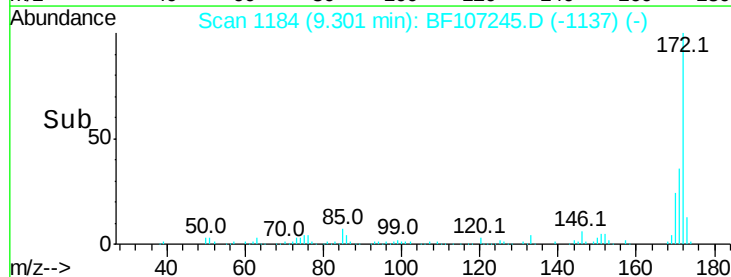
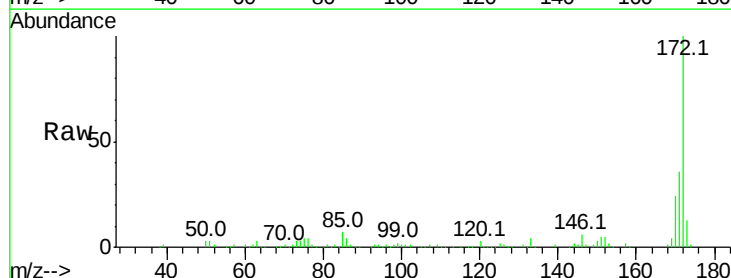
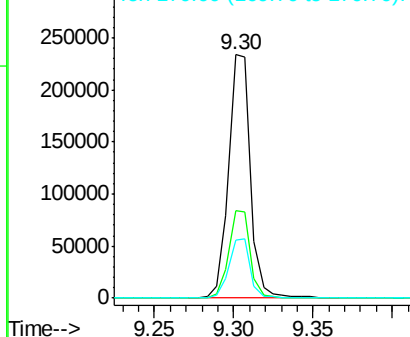
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.8	19.6	29.4

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





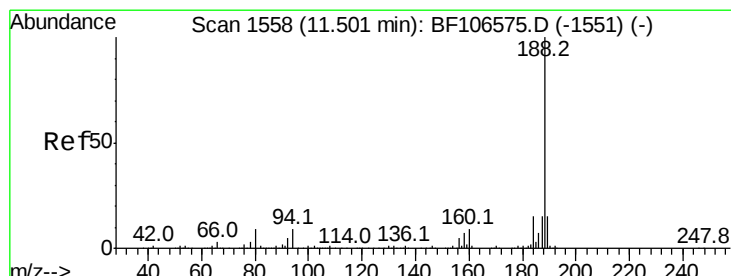
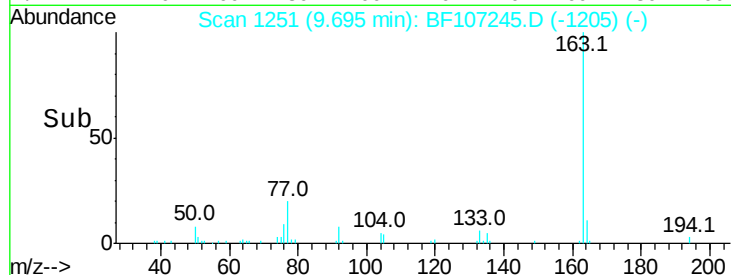
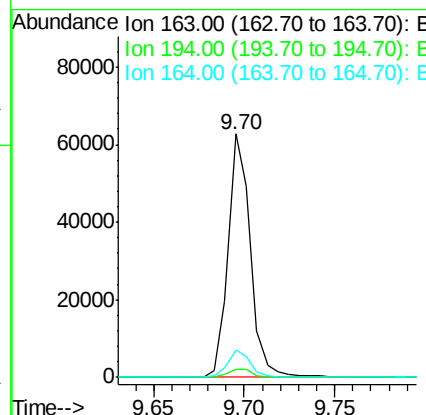
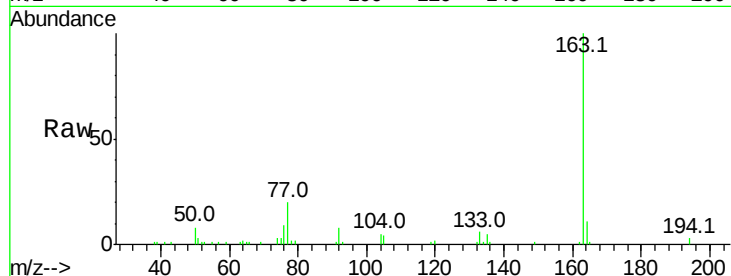
#49
Dimethylphthalate
Concen: 16.197 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	11.1	8.2	12.2

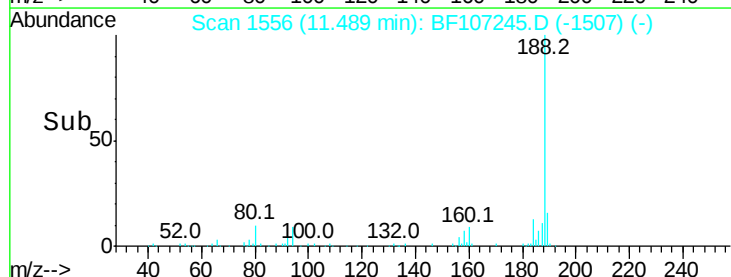
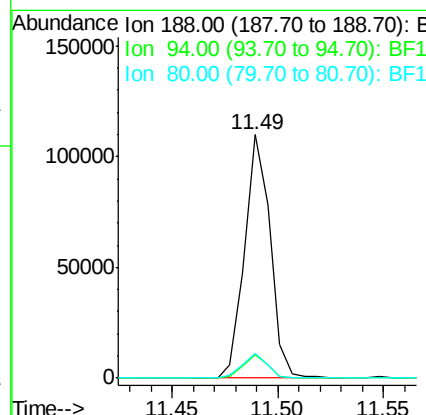
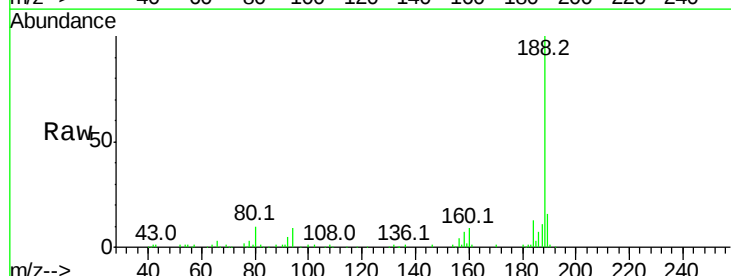
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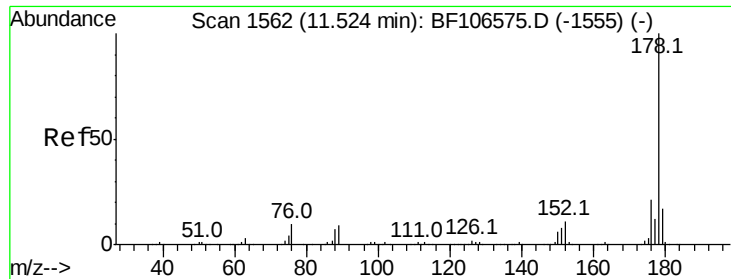
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.4	9.2	13.8





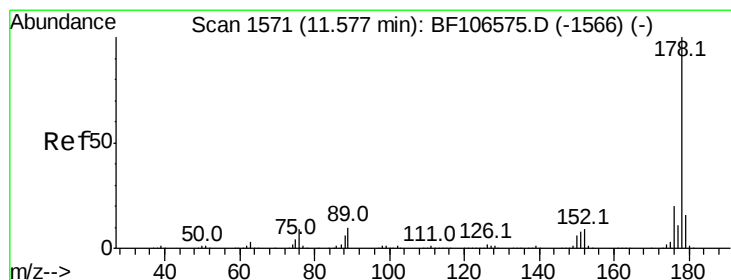
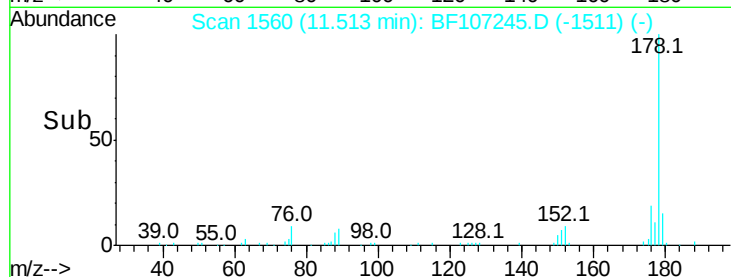
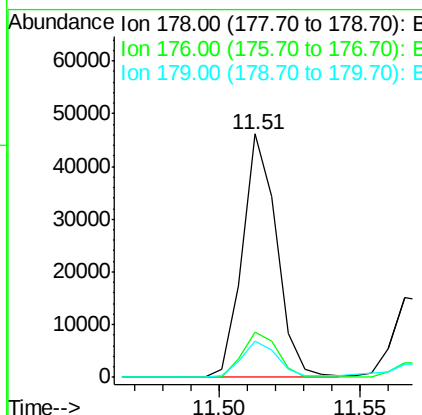
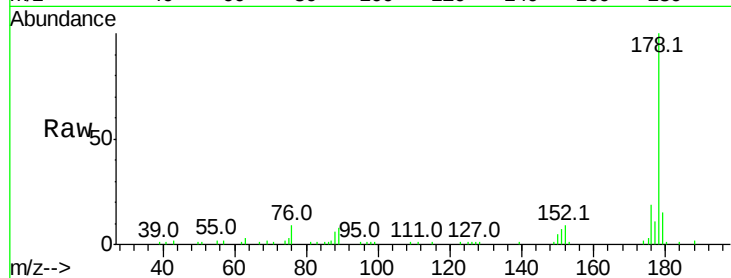
#70
Phenanthrene
Concen: 8.781 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.1	13.0	19.6

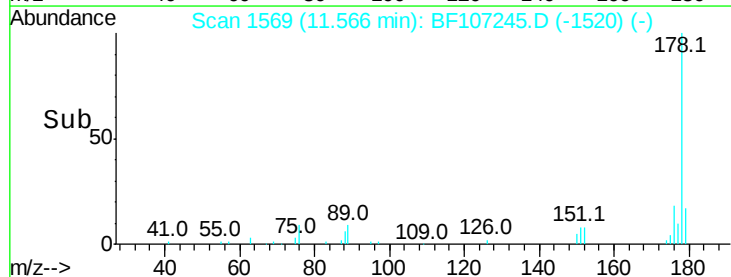
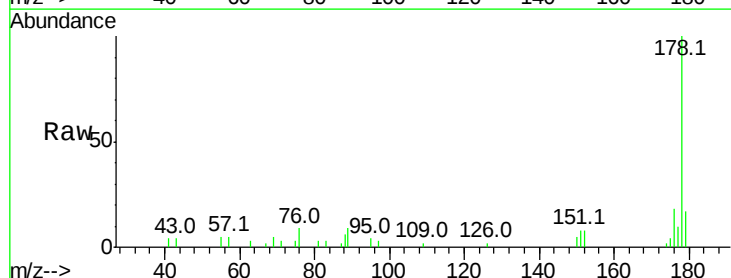
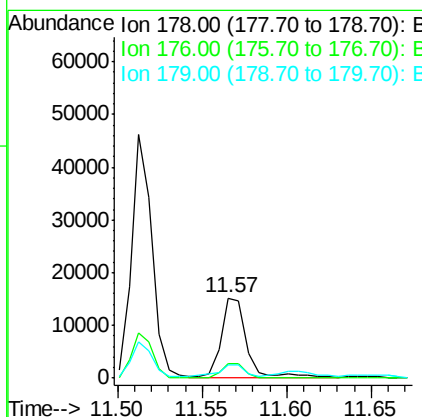
Manual Integrations
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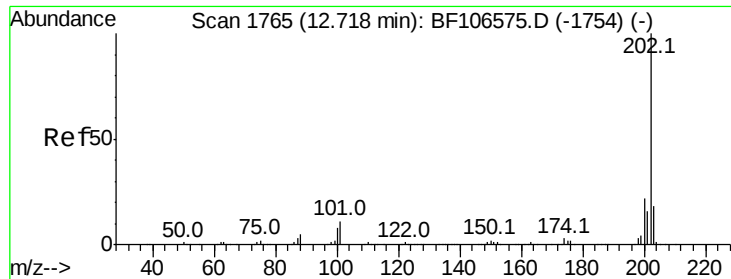
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#71
Anthracene
Concen: 3.620 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	16.7	12.6	19.0





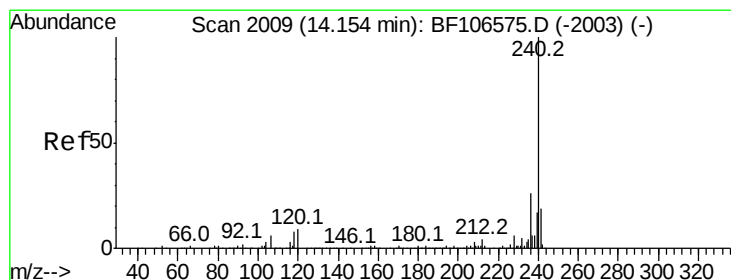
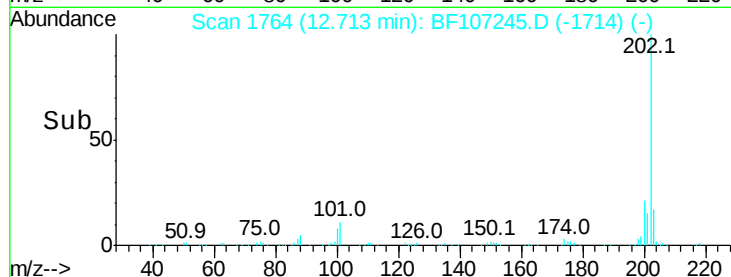
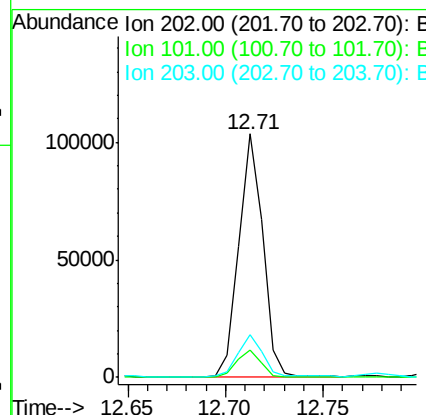
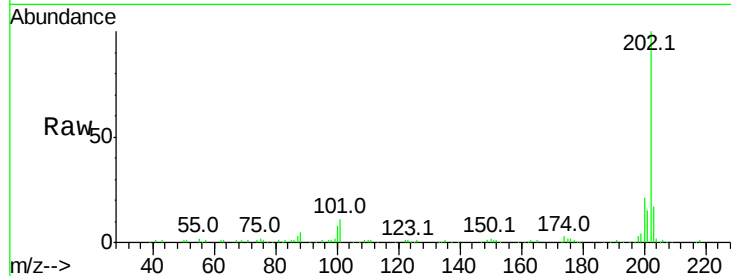
#74
Fluoranthene
Concen: 18.338 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.5	0.0	38.1

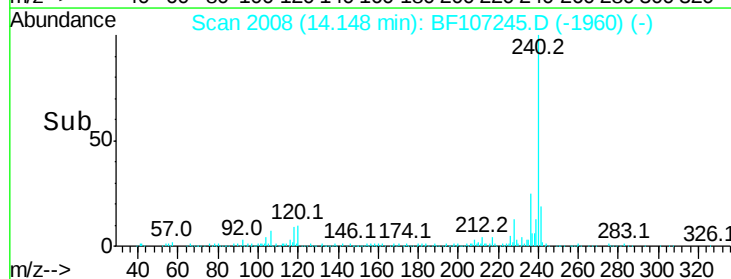
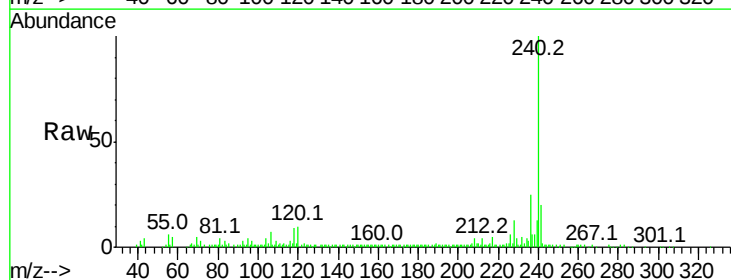
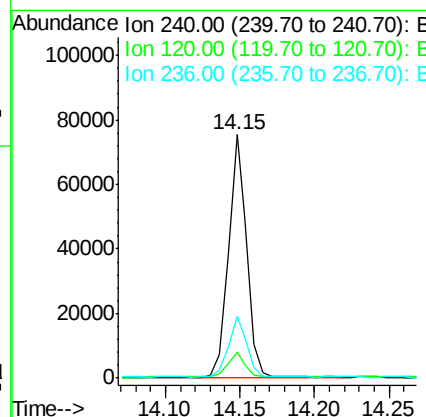
Manual Integrations
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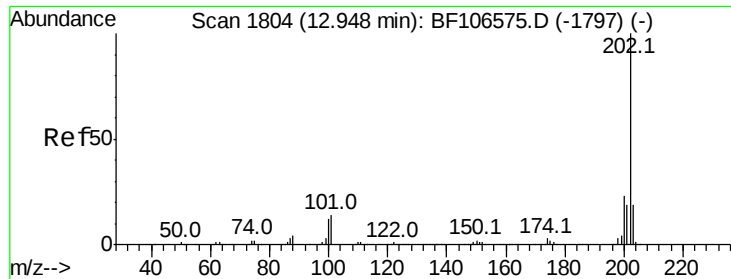
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.4	9.5	14.3
236	25.3	20.7	31.1





#77

Pvrene

Concen: 19.058 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Instrument :

BNA_F

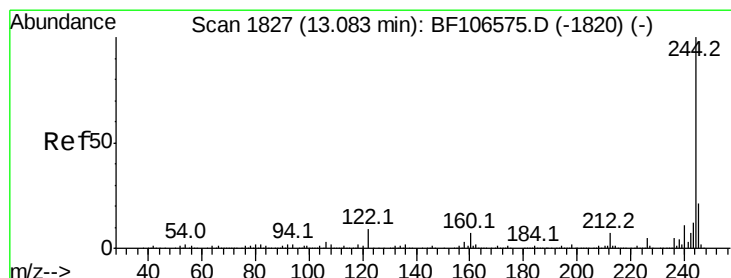
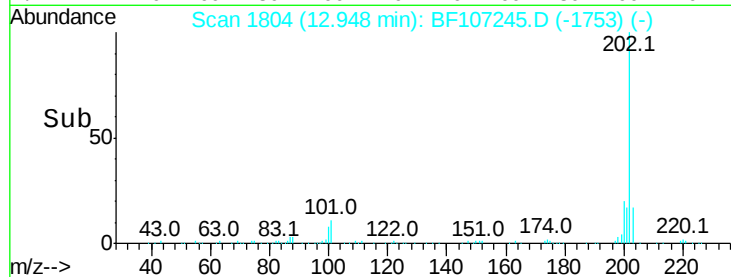
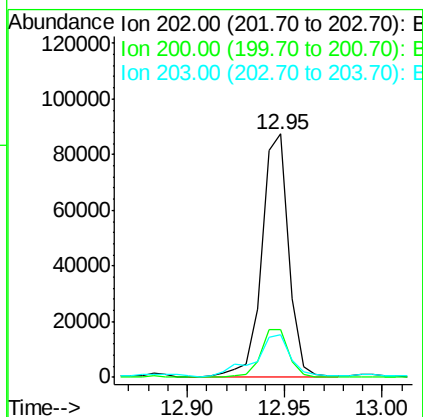
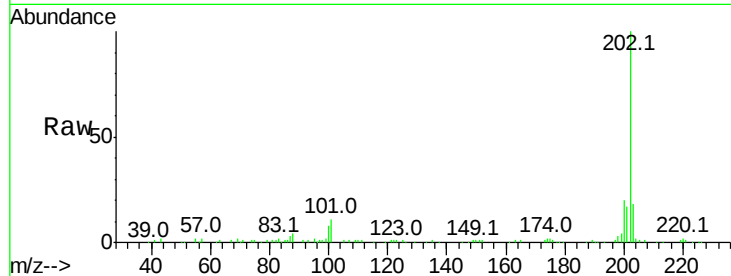
ClientSampleId :

SURCHARGE-SP-17

Tot Ion:	202	Resp:	82612
Ion Ratio	Lower	Upper	
202	100		
200	19.7	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 108.221 ng

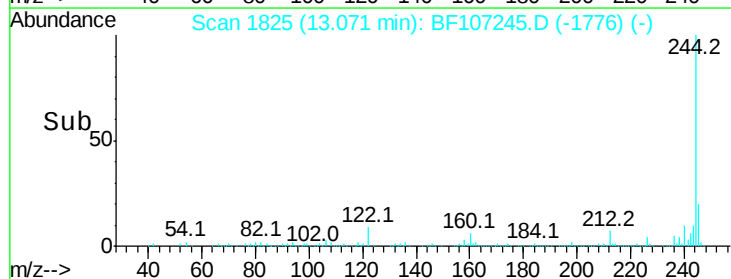
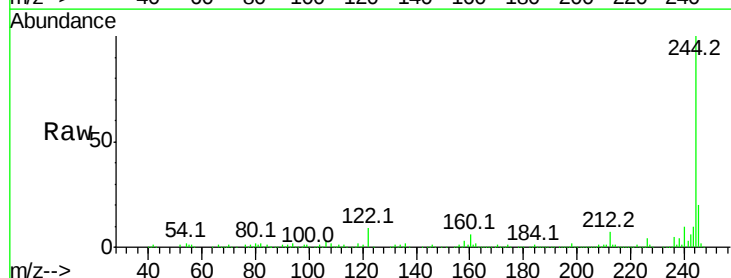
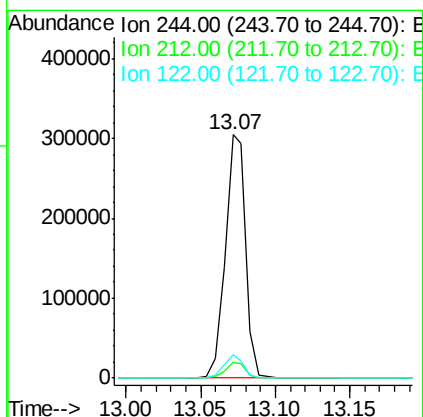
RT: 13.07 min Scan# 1825

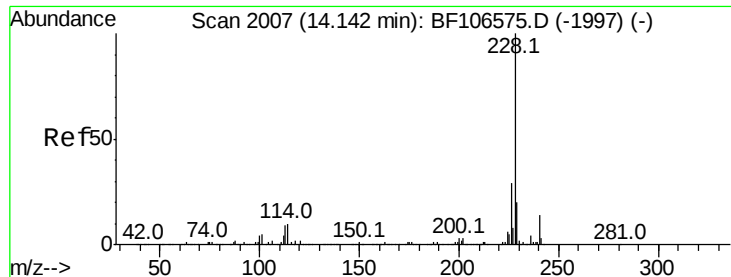
Delta R.T. -0.01 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Tgt Ion:	244	Resp:	293685
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	9.4	11.0	16.4#





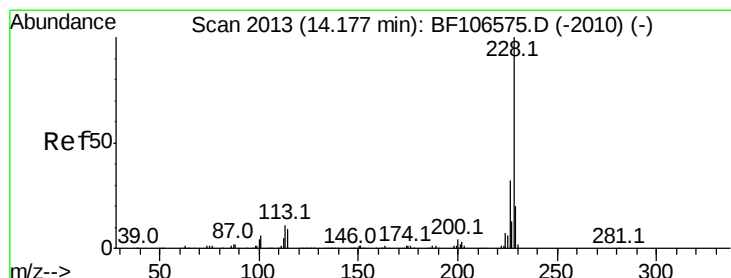
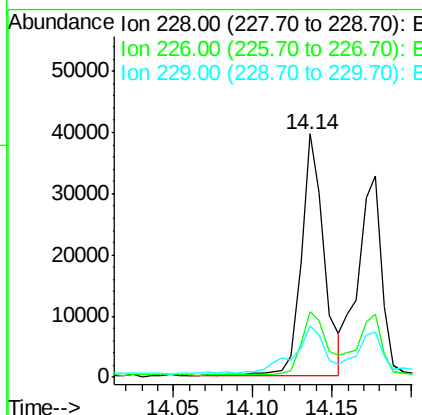
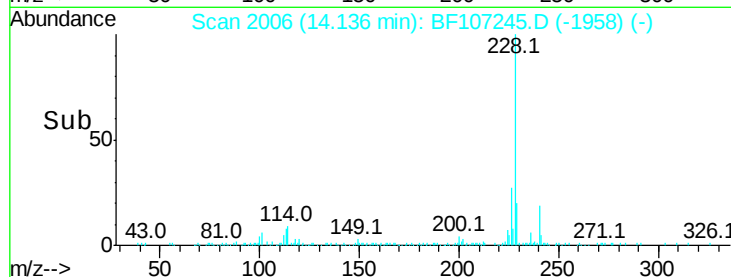
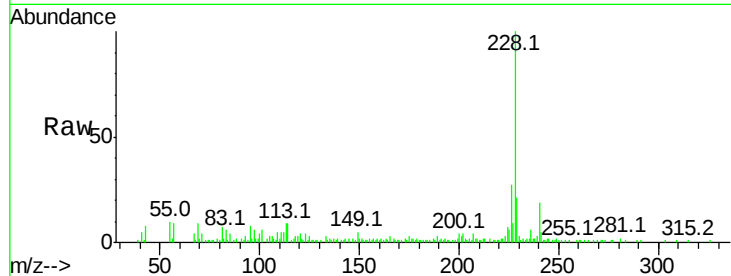
#80
Benzo(a)anthracene
Concen: 9.706 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	21.3	15.8	23.6

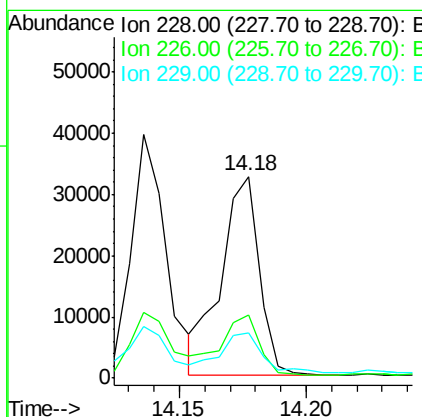
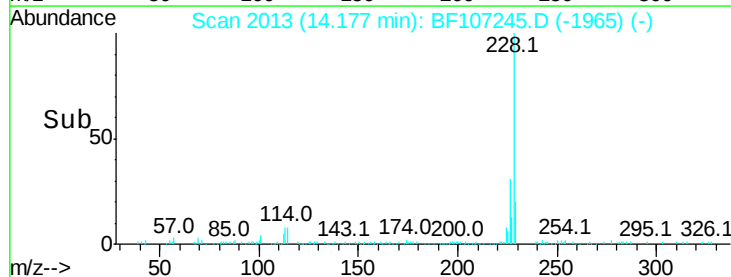
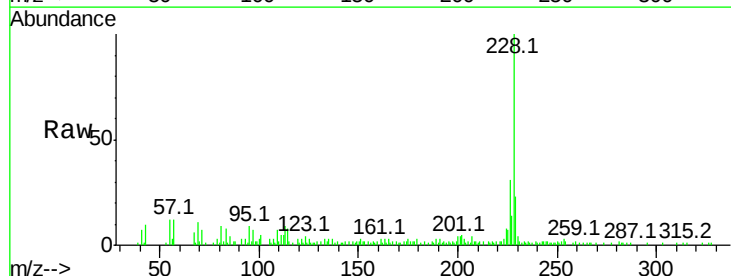
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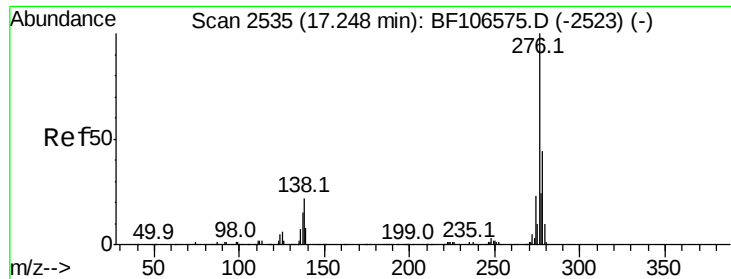
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#82
Chrysene
Concen: 9.323 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.6	16.2	24.4





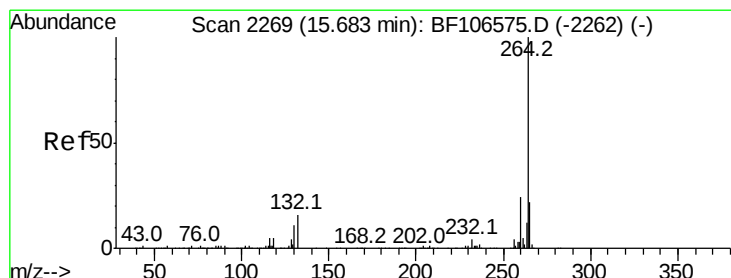
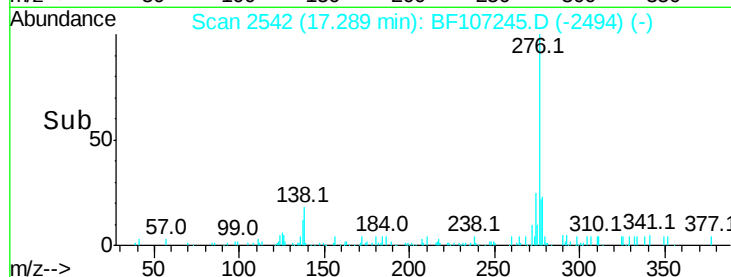
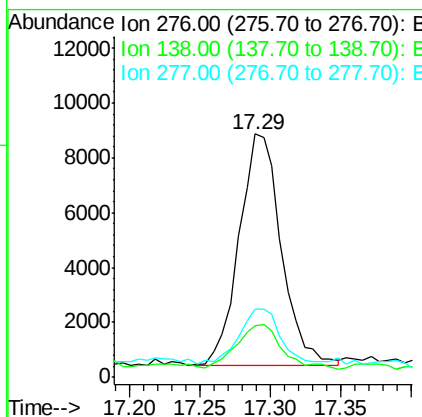
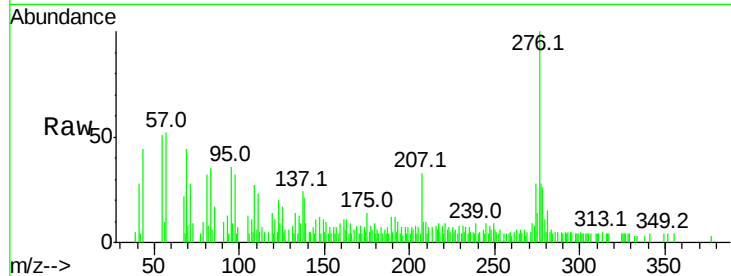
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.645 ng
 RT: 17.29 min Scan# 2542
 Delta R.T. -0.02 min
 Lab File: BF107245.D
 Acq: 9 Jul 2018 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-17

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	25.0	37.6#
277	23.0	20.1	30.1

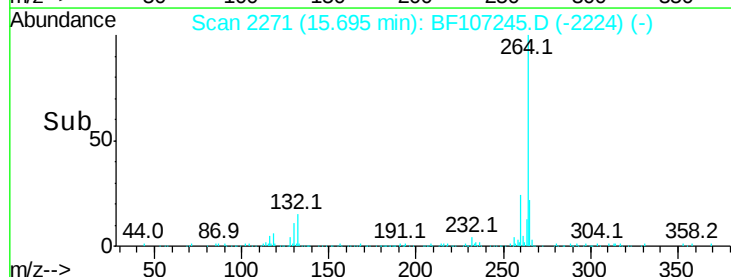
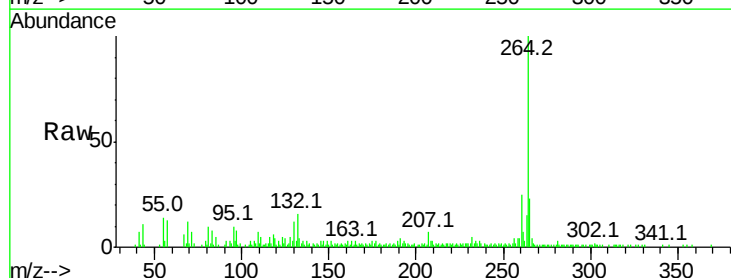
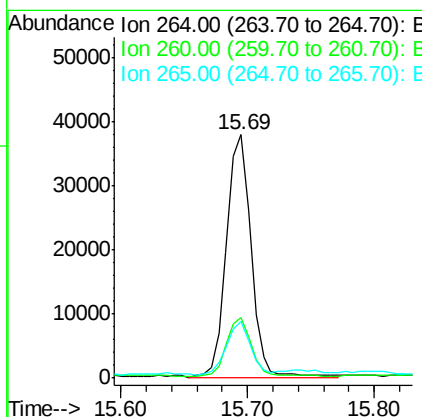
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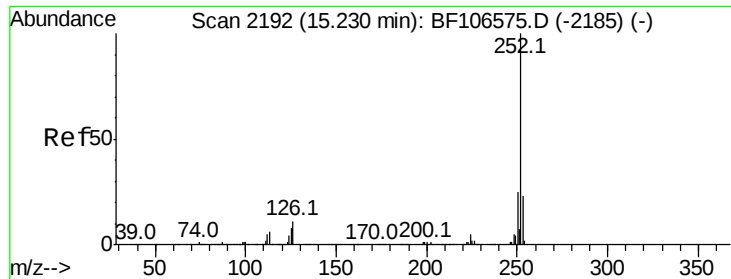
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF107245.D
 Acq: 9 Jul 2018 22:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 13.083 ng m

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Instrument :

BNA_F

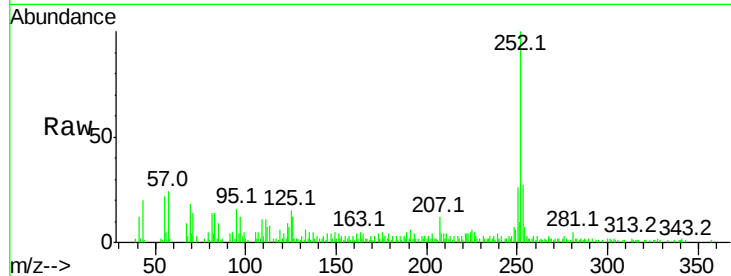
ClientSampleId :

SURCHARGE-SP-17

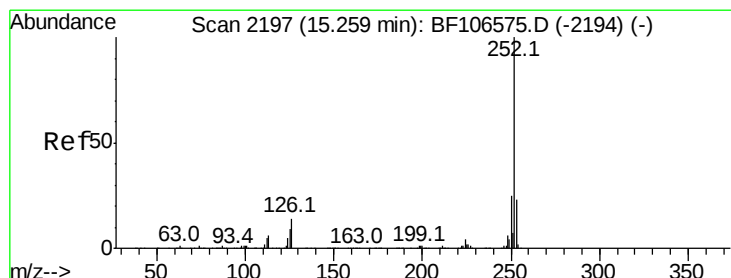
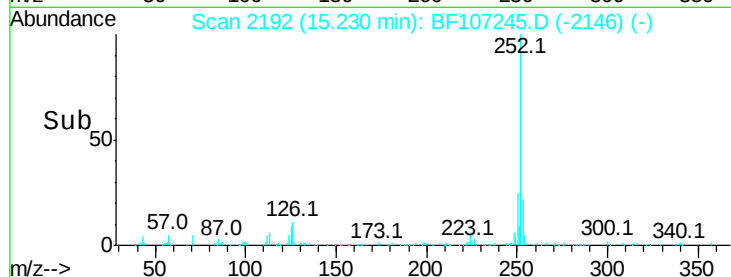
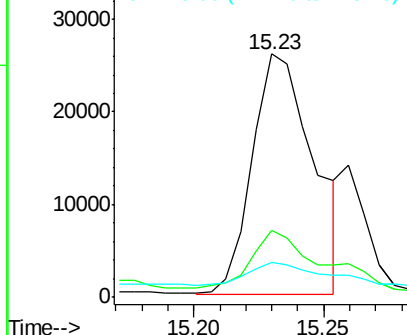
Tot Ion:	252	Resp:	42345
Ion Ratio	Lower	Upper	
252	100		
253	27.2	17.0	25.6#
125	14.6	9.0	13.6#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.180 ng m

RT: 15.26 min Scan# 2197

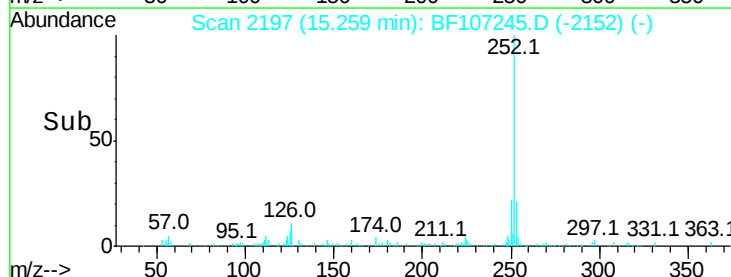
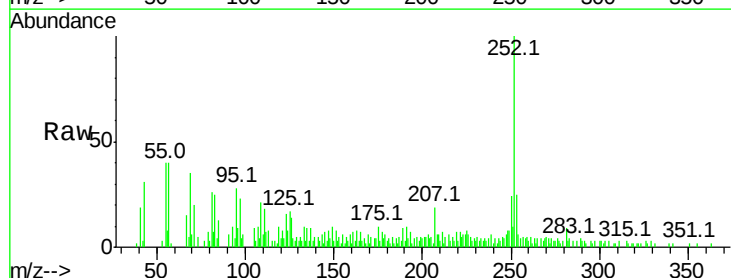
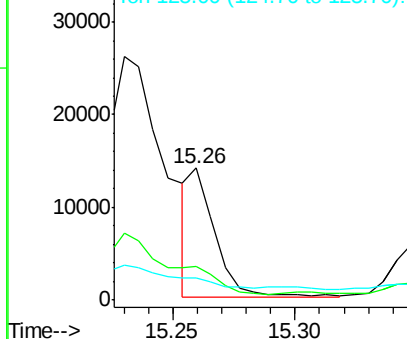
Delta R.T. -0.04 min

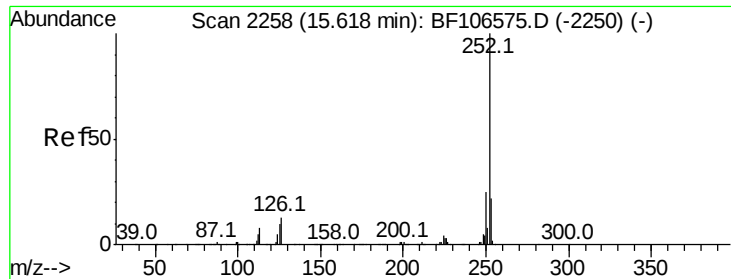
Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Tgt Ion:	252	Resp:	9802
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.9	26.9
125	16.9	10.2	15.2#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





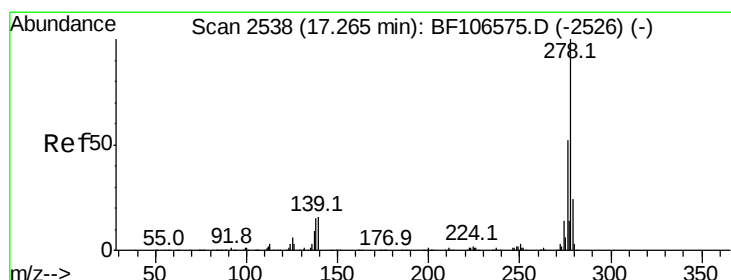
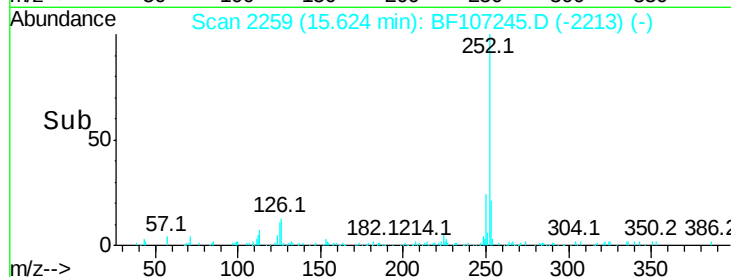
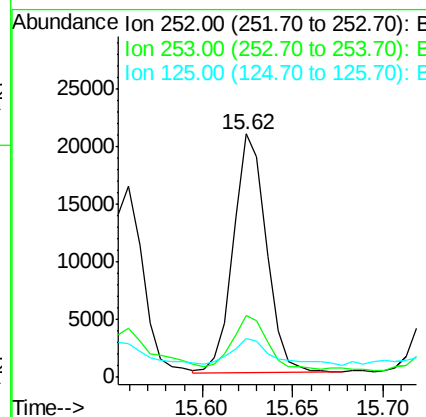
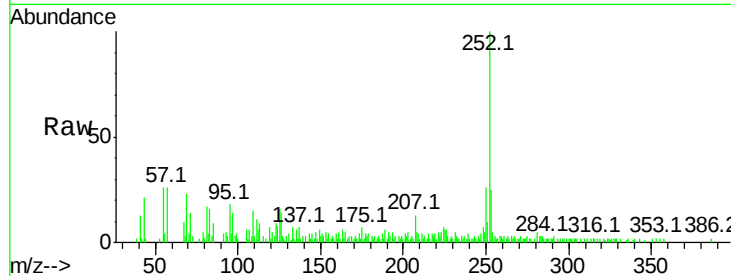
#89
Benzo(a)pyrene
Concen: 9.092 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-17

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	15.7	9.8	14.6

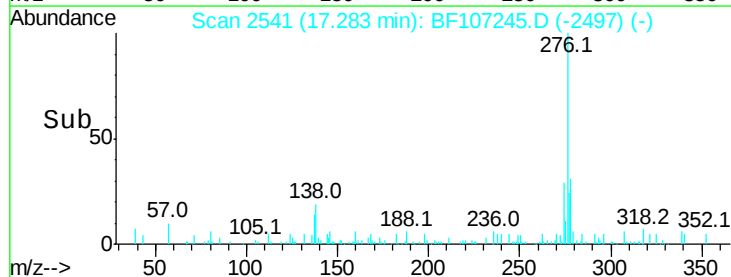
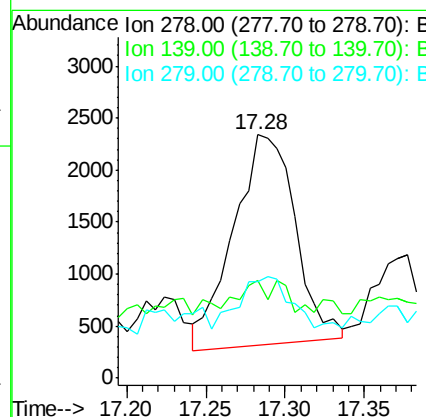
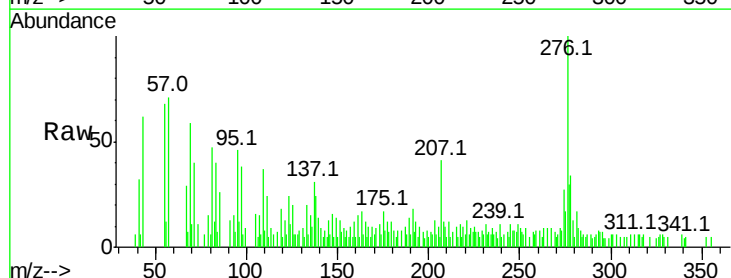
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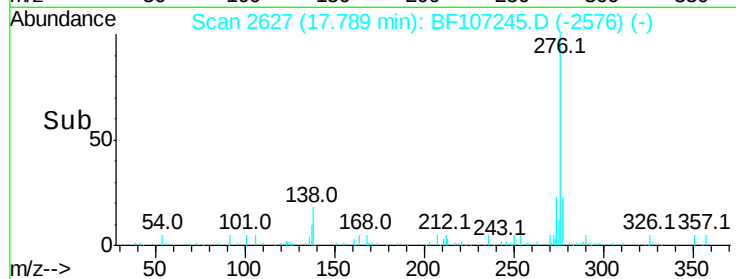
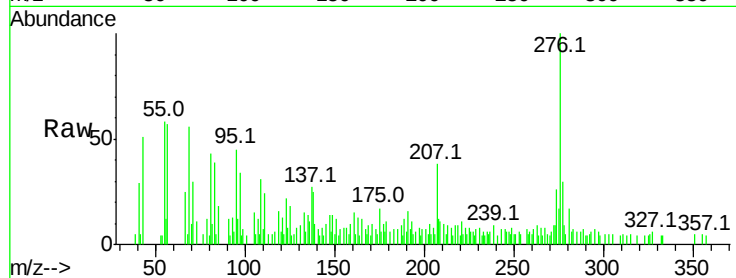
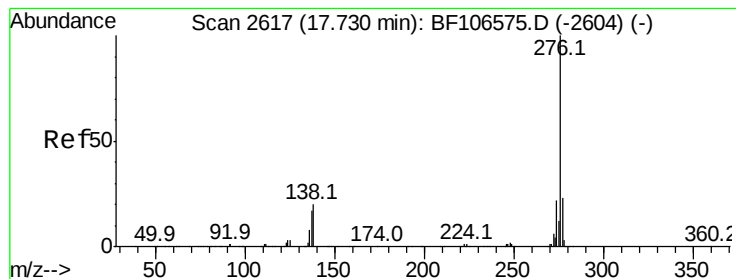
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#90
Dibenzo(a,h)anthracene
Concen: 2.250 ng
RT: 17.28 min Scan# 2541
Delta R.T. -0.04 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	40.2	15.9	23.9
279	39.3	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 7.483 ng

RT: 17.79 min Scan# 2627

Delta R.T. -0.00 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-17

Tot Ion:	276	Resp:	17835
Ion Ratio	Lower	Upper	
276	100		
277	30.1	17.9	26.9#
138	24.9	21.8	32.8

Manual Integrations
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