

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107238.D
 Acq On : 9 Jul 2018 19:28
 Operator : JU/SJ
 Sample : J3879-09RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-5RE

Manual Integrations
 APPROVED

Sohil
 7/10/2018 2:46:45 PM

Quant Time: Jul 10 04:32:44 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	46238	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	167923	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	77511	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	144359	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	108428	20.00	ng	-0.01
86) Perylene-d12	15.69	264	79640	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	289410	105.99	ng	0.00
7) Phenol-d6	6.60	99	357692	104.89	ng	-0.01
23) Nitrobenzene-d5	7.51	82	220254	72.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	100579	111.96	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	386056	84.16	ng	-0.02
78) Terphenyl-d14	13.08	244	428824	95.80	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.70	163	111089	19.109	ng	98
57) Fluorene	10.54	166	11441	2.178	ng	# 96
70) Phenanthrene	11.51	178	153228	22.007	ng	98
71) Anthracene	11.57	178	54712	7.698	ng	99
74) Fluoranthene	12.72	202	340262	44.338	ng	94
77) Pyrene	12.95	202	305625	42.744	ng	99
80) Benzo(a)anthracene	14.14	228	155539m	23.537	ng	
82) Chrysene	14.18	228	148110m	24.362	ng	
85) Indeno(1,2,3-cd)pyrene	17.29	276	57633	11.171	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	144869m	29.283	ng	
88) Benzo(k)fluoranthene	15.27	252	50584m	10.737	ng	
89) Benzo(a)pyrene	15.63	252	98585	22.416	ng	97
90) Dibenzo(a,h)anthracene	17.29	278	15632	4.194	ng	# 88
91) Benzo(a,h,i)perylene	17.79	276	56069	15.391	ng	# 86

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

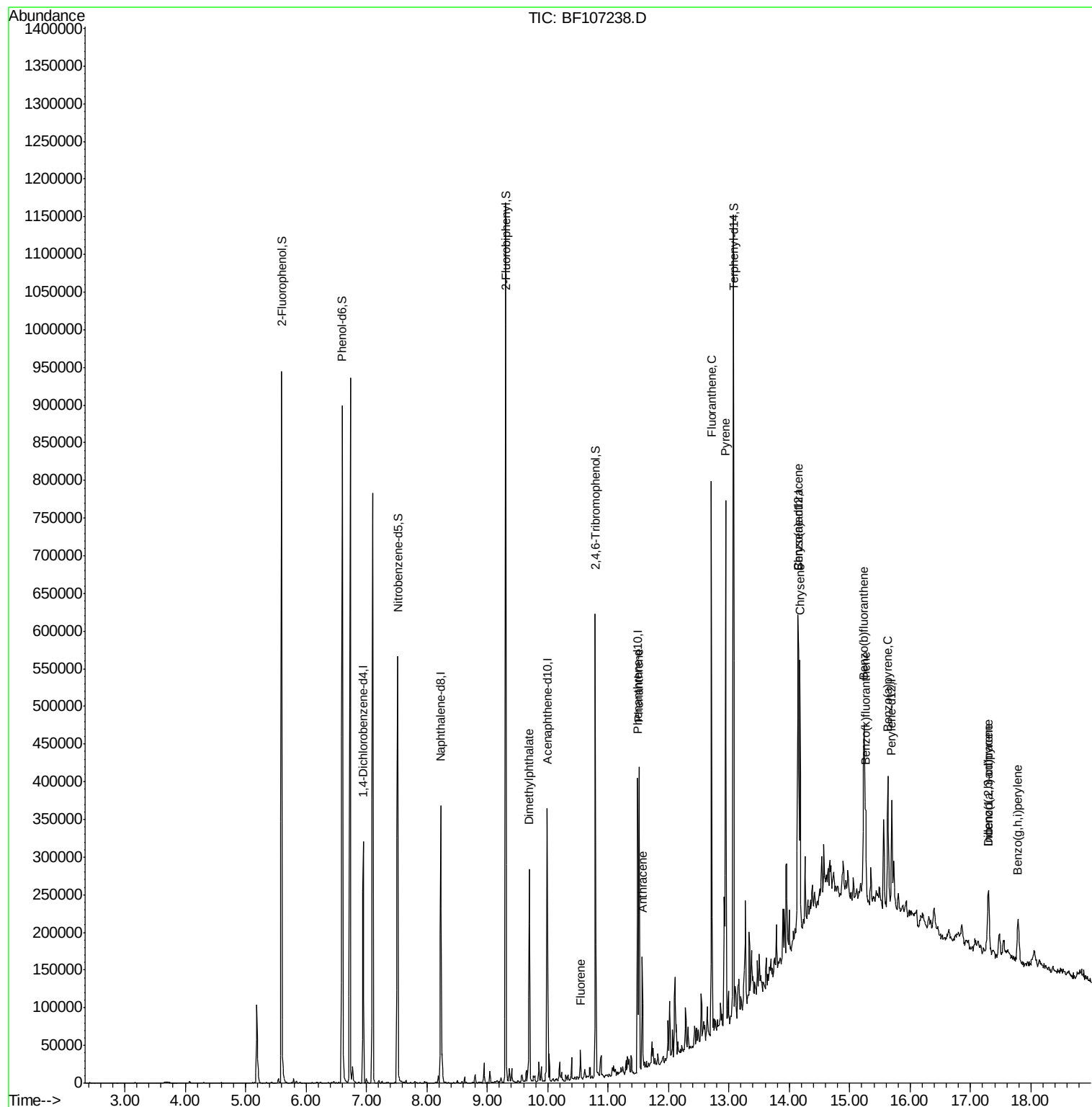
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107238.D
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Operator : JU/SJ
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ALS Vial : 19 Sample Multiplier: 1

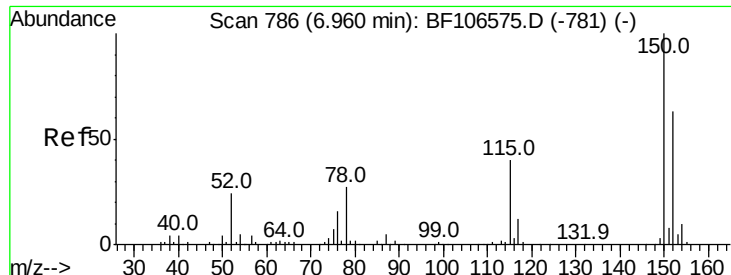
Instrument :
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#1

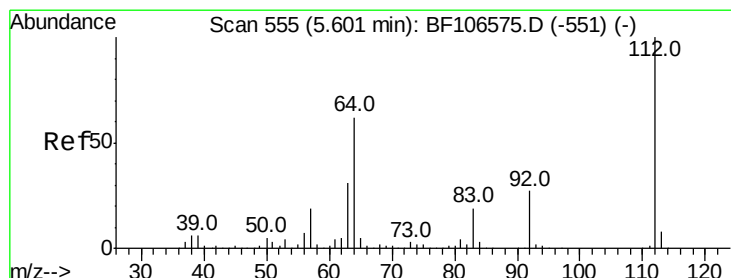
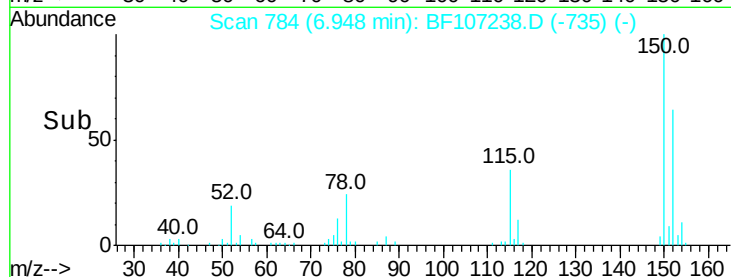
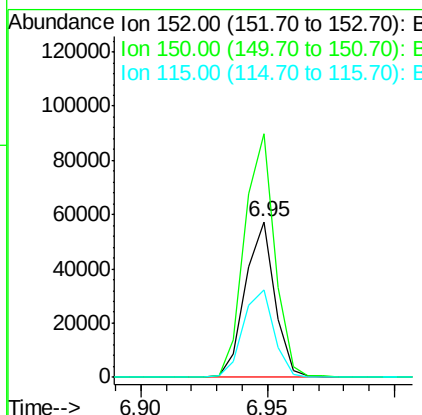
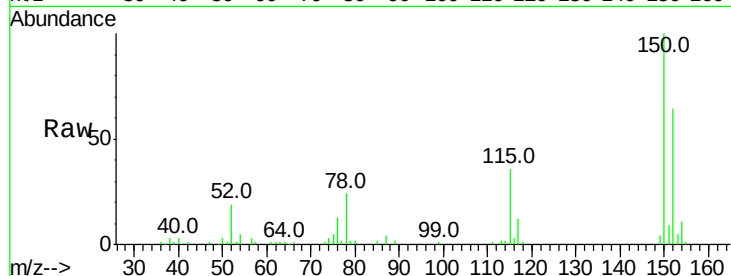
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	56.7	50.1	75.1

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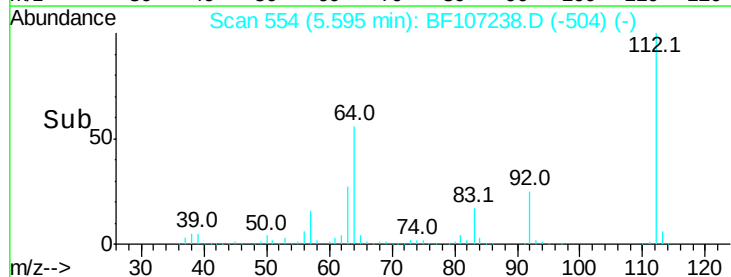
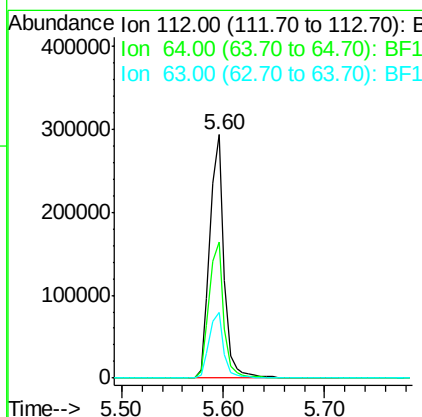
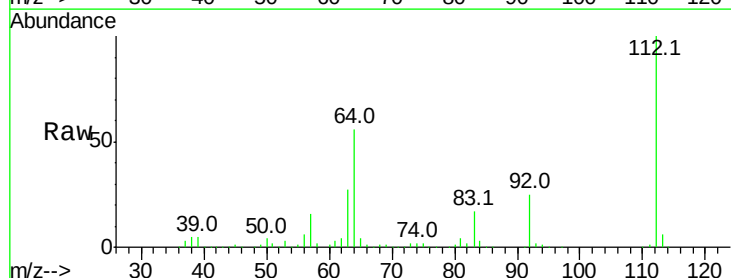
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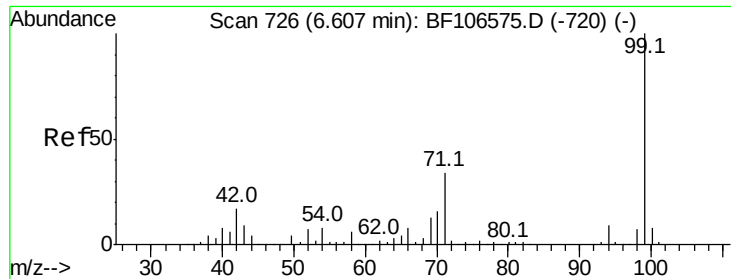


#5

2-Fluorophenol
Concen: 105.987 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	26.9	23.7	35.5





#7

Phenol-d6

Concen: 104.895 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Instrument :

BNA_F

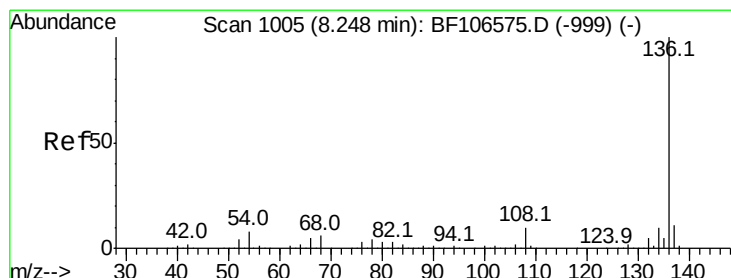
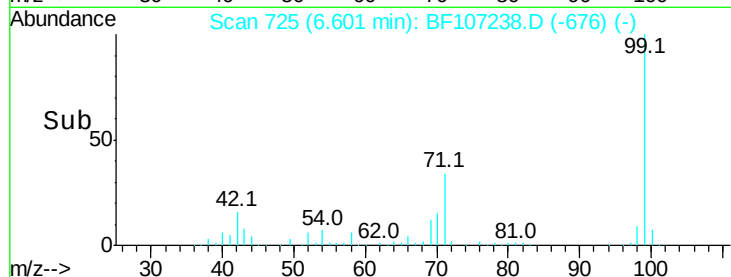
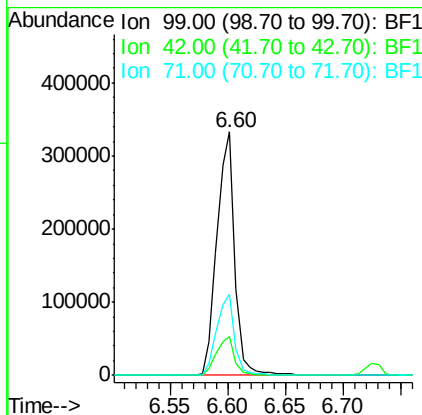
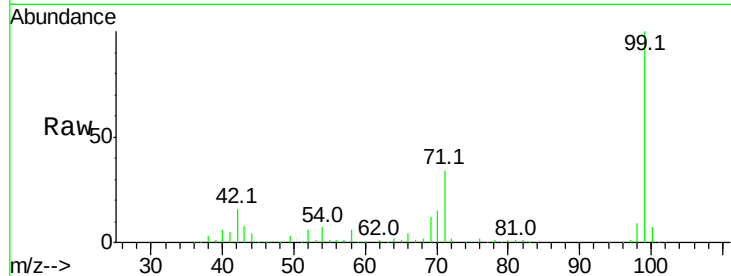
ClientSampleId :

SURCHARGE-SP-5RE

Tot Ion:	99	Resp:	357692
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.5	21.7
71	33.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

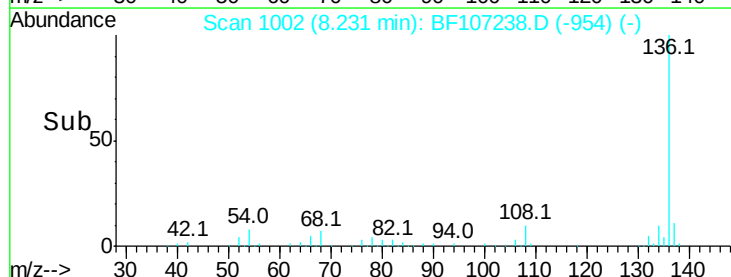
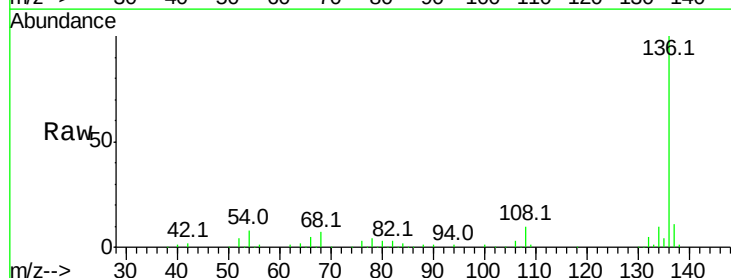
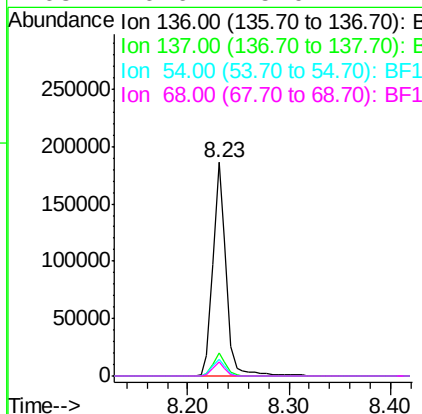
RT: 8.23 min Scan# 1002

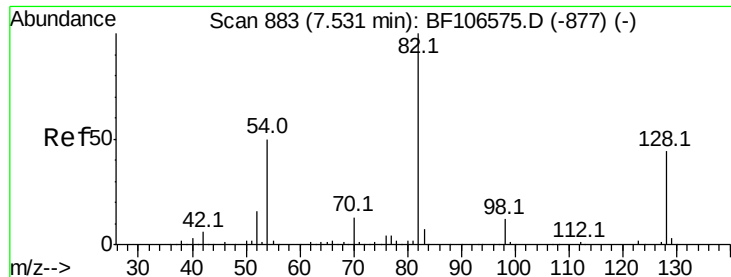
Delta R.T. -0.02 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Tgt Ion:	136	Resp:	167923
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.8	6.6	9.8
68	6.6	5.0	7.4





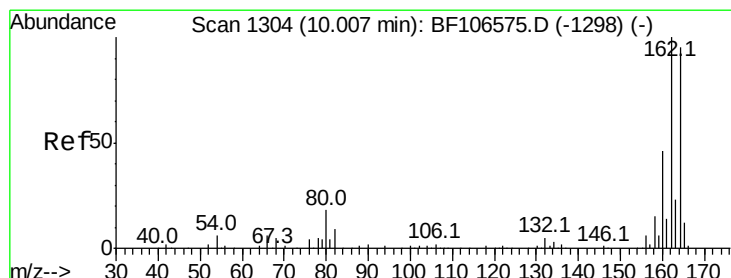
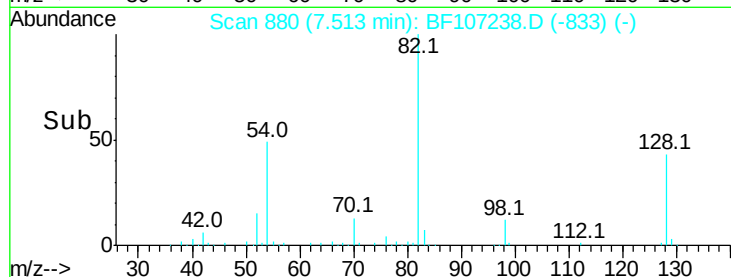
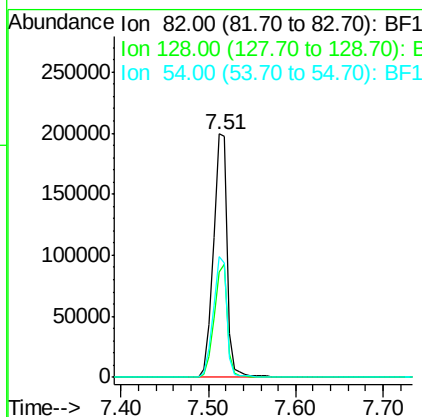
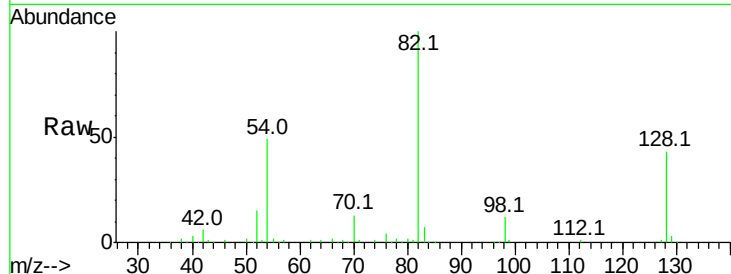
#23
Nitrobenzene-d5
Concen: 72.892 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	49.5	41.4	62.2

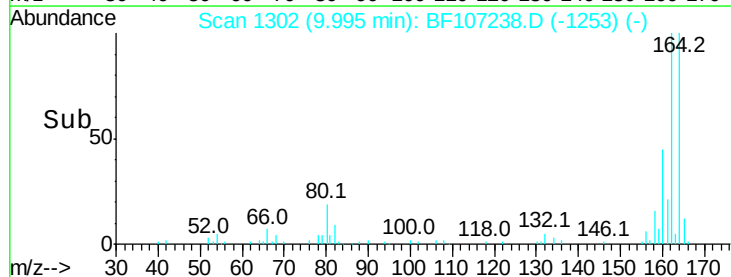
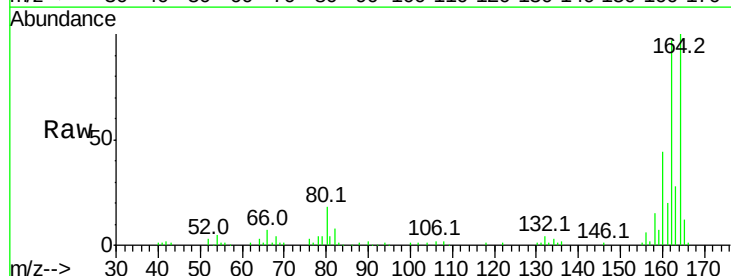
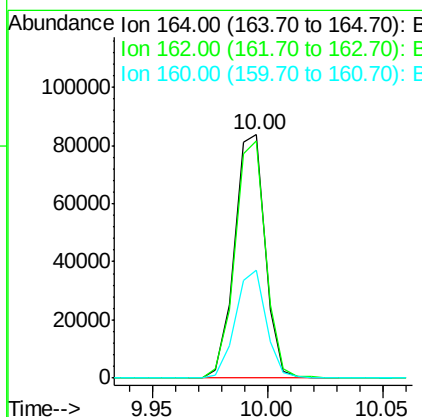
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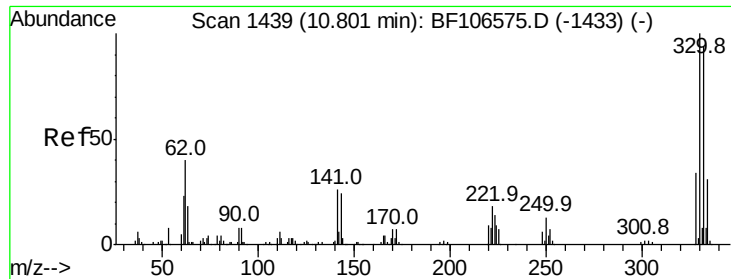
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.5	86.1	129.1
160	44.3	38.3	57.5





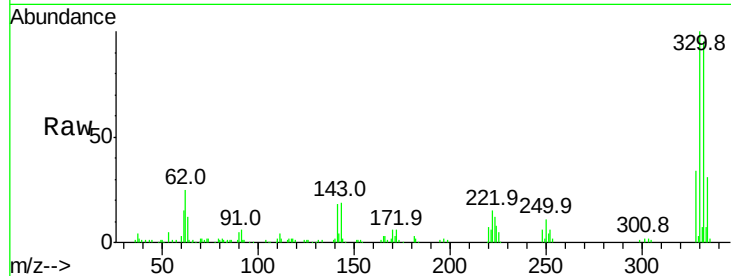
#41
 2,4,6-Tribromophenol
 Concen: 111.957 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107238.D
 Acq: 9 Jul 2018 19:28

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-5RE

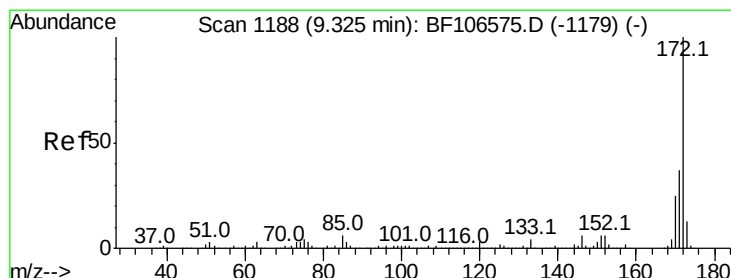
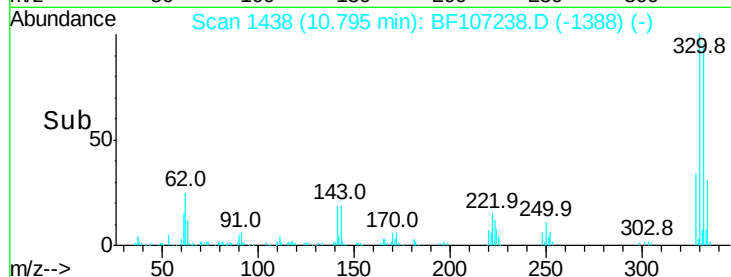
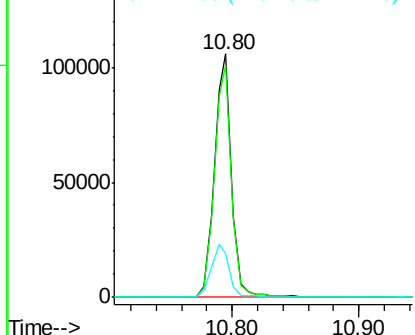
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	23.0	29.9	44.9#

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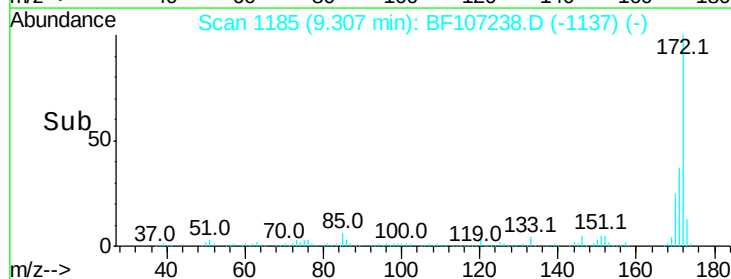
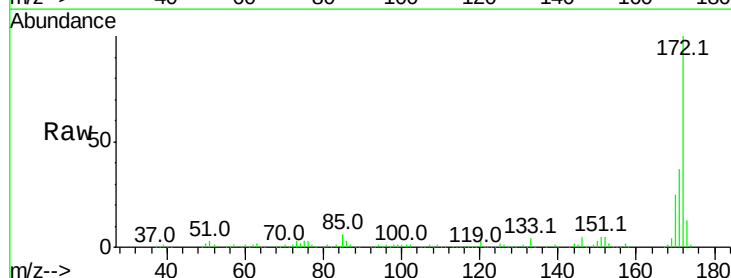
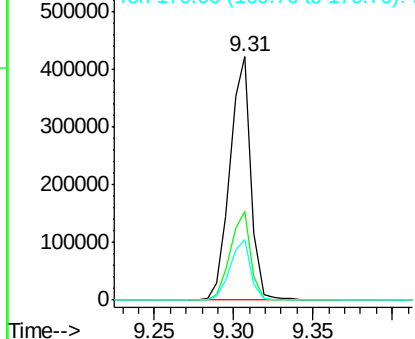
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

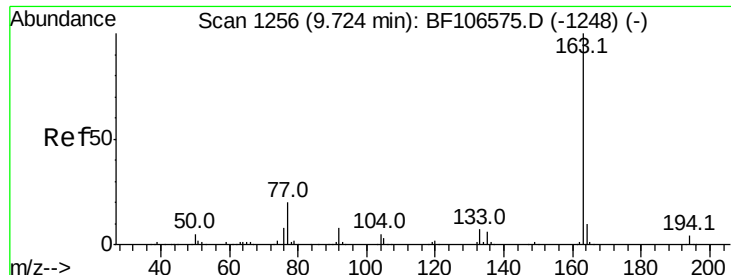


#44
 2-Fluorobiphenyl
 Concen: 84.158 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107238.D
 Acq: 9 Jul 2018 19:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.7	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





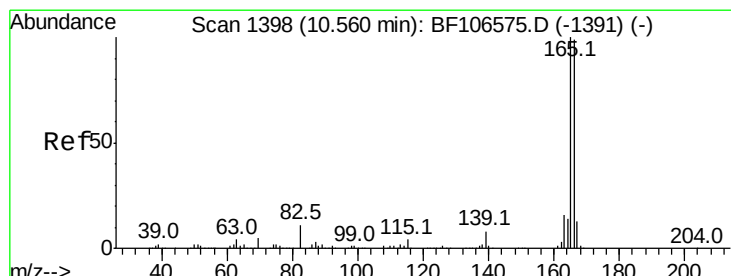
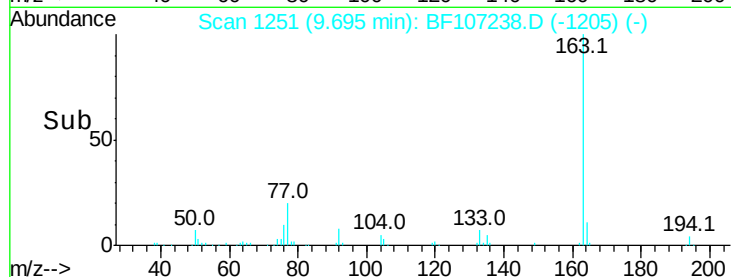
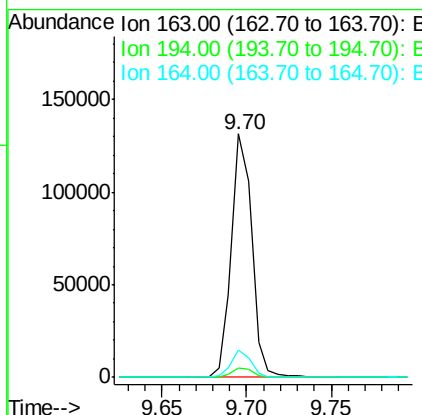
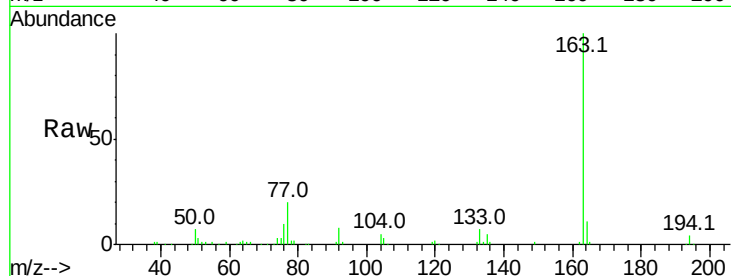
#49
Dimethylphthalate
Concen: 19.109 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.7	4.1	
164	11.0	8.2	12.2	

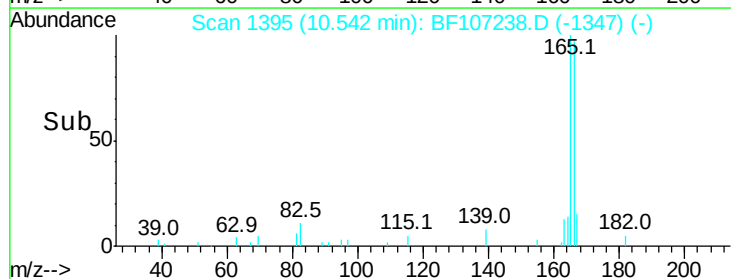
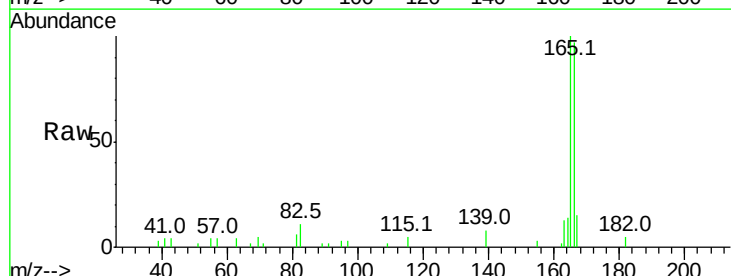
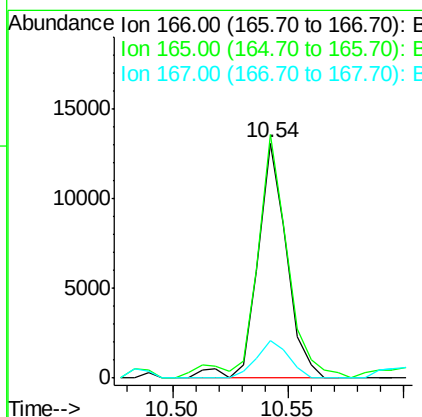
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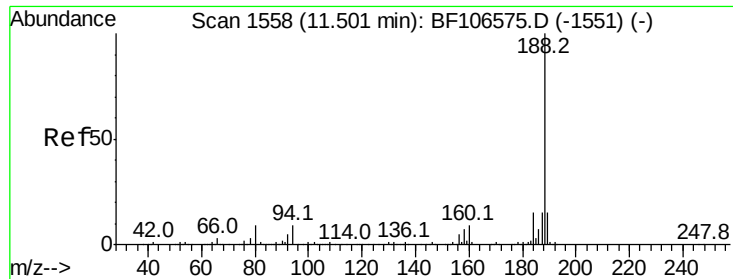
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#57
Fluorene
Concen: 2.178 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	103.6	79.8	119.8	
167	16.0	10.6	16.0	





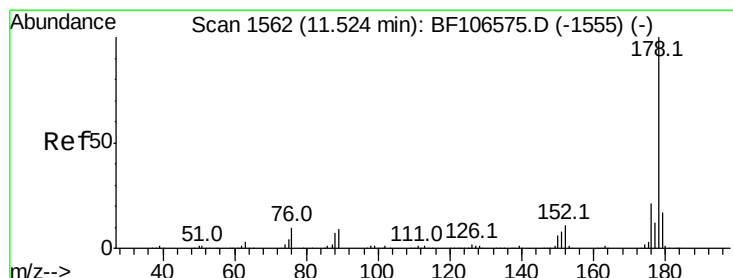
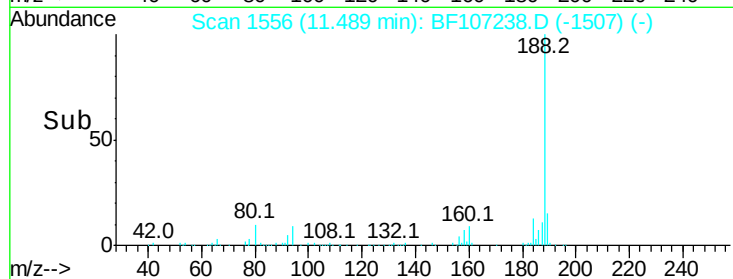
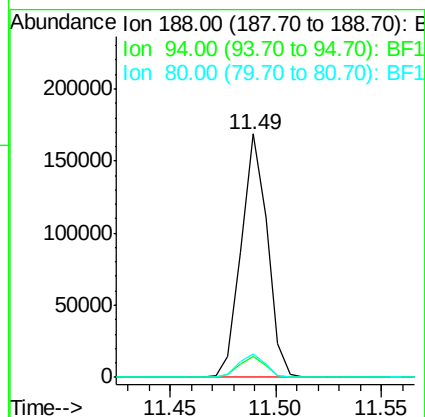
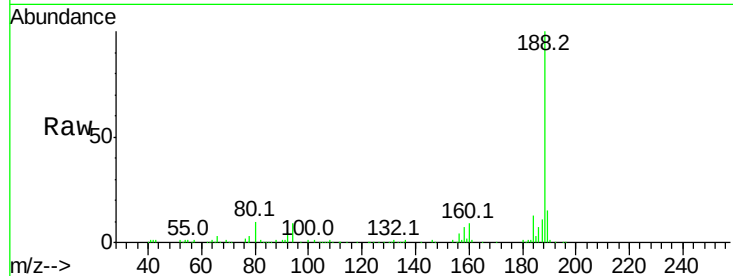
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	144359		
94	8.8		8.5	12.7
80	9.6		9.2	13.8

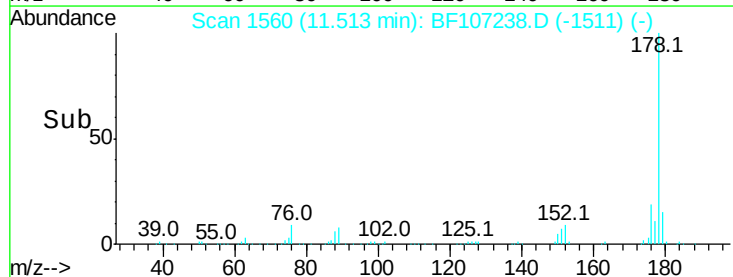
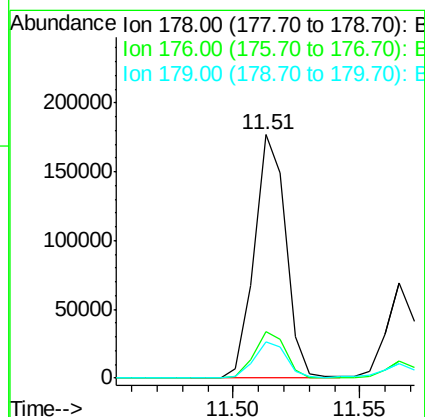
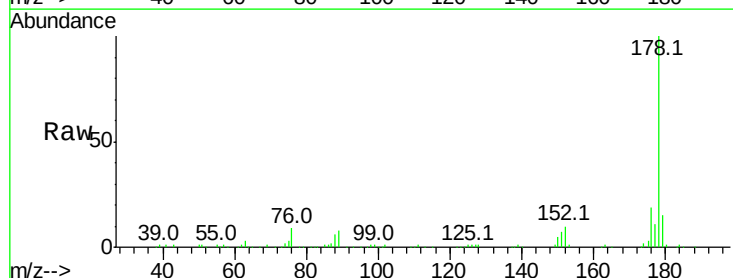
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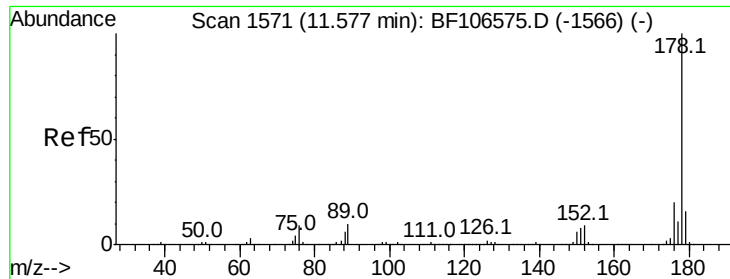
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#70
Phenanthrene
Concen: 22.007 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	153228		
176	19.2		15.8	23.8
179	15.0		13.0	19.6





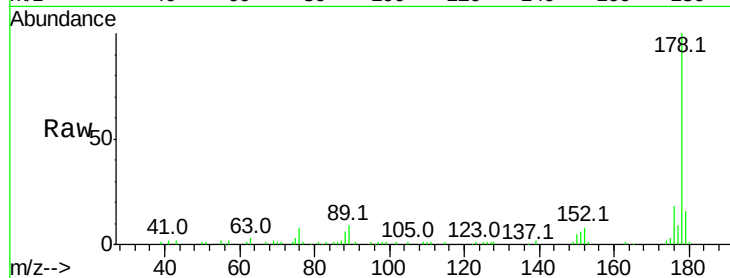
#71
 Anthracene
 Concen: 7.698 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107238.D
 Acq: 9 Jul 2018 19:28

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-5RE

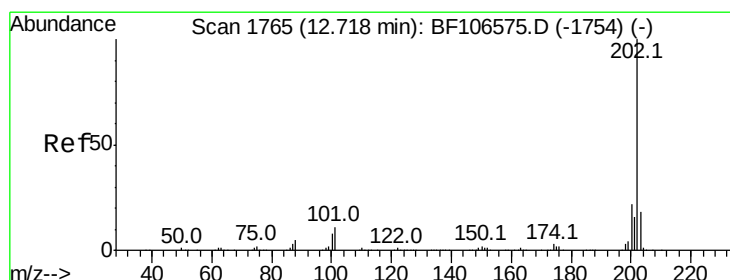
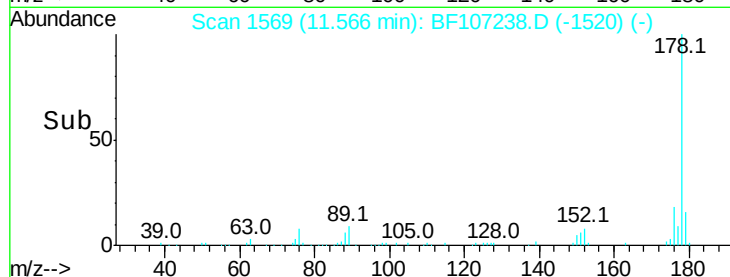
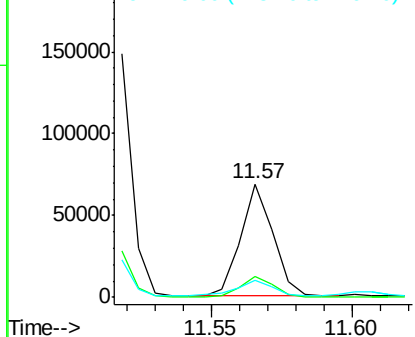
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.6	12.6	19.0

Manual Integrations
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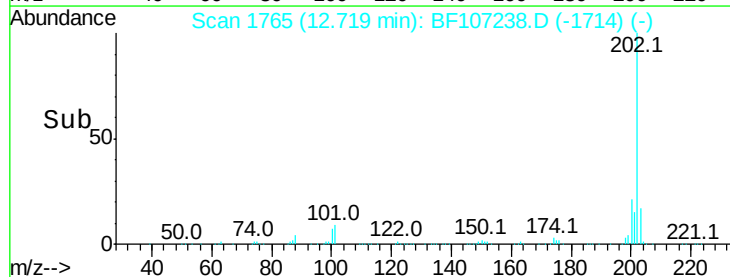
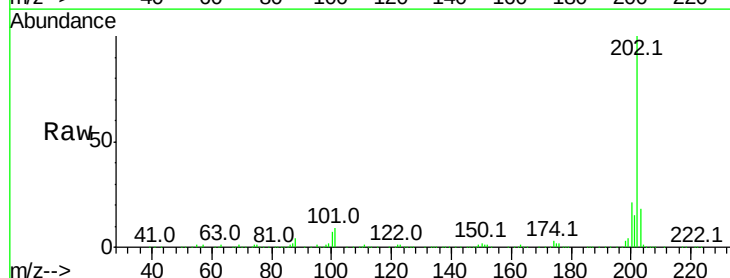
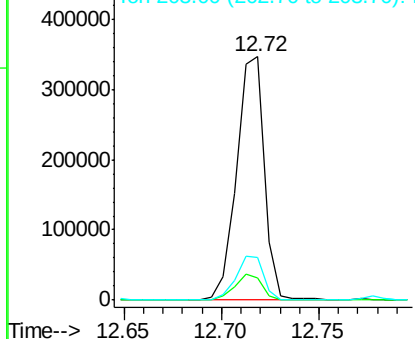
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

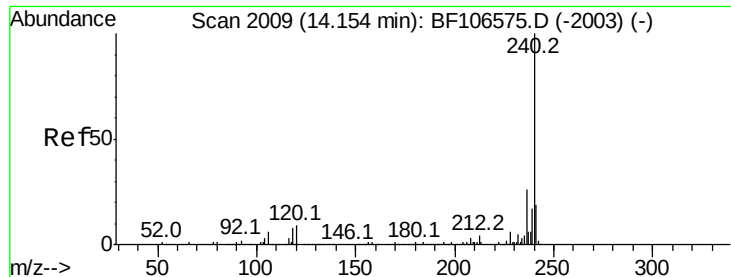


#74
 Fluoranthene
 Concen: 44.338 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF107238.D
 Acq: 9 Jul 2018 19:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	34.1
203	17.6	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Instrument :

BNA_F

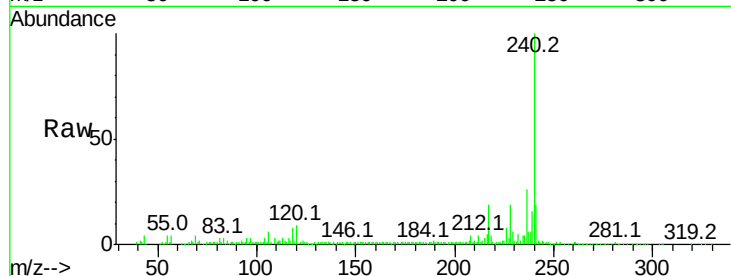
ClientSampleId :

SURCHARGE-SP-5RE

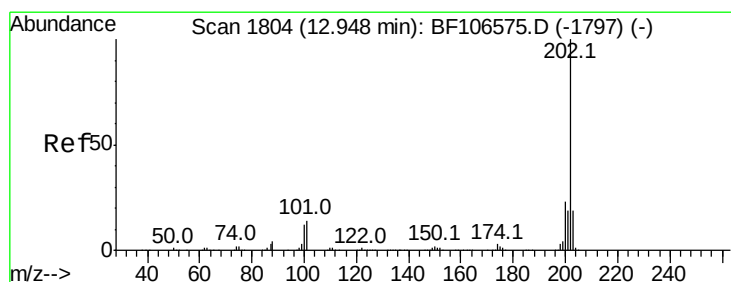
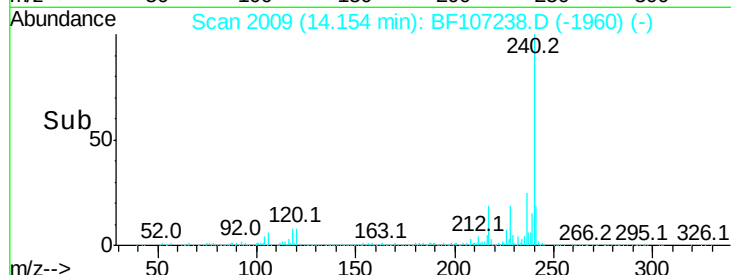
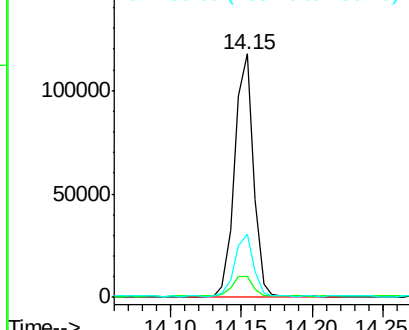
Tot Ion:	240	Resp:	108428
Ion Ratio	Lower	Upper	
240	100		
120	8.5	9.5	14.3#
236	25.7	20.7	31.1

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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: 42.744 ng

RT: 12.95 min Scan# 1804

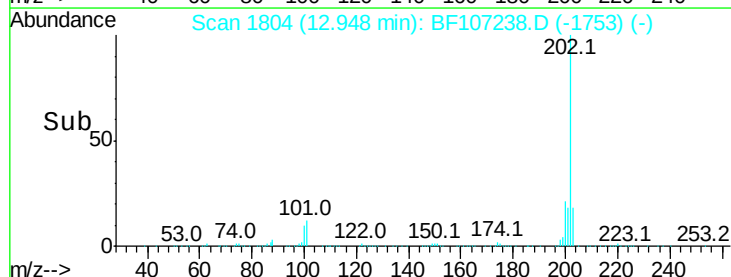
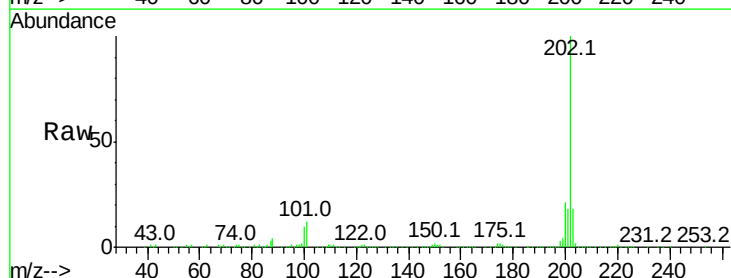
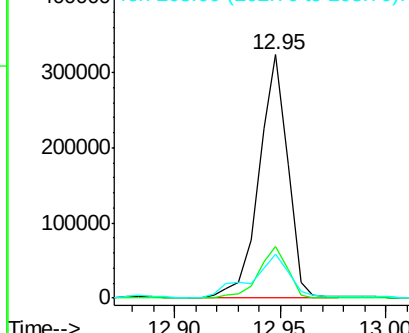
Delta R.T. 0.00 min

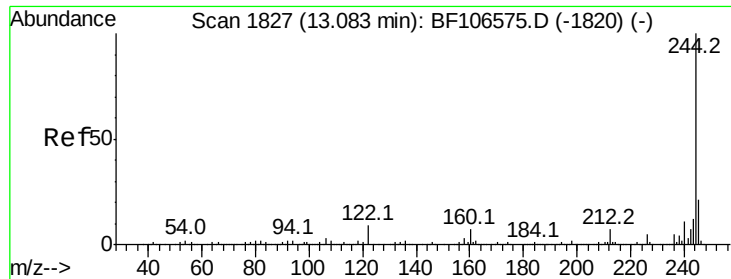
Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Tgt Ion:	202	Resp:	305625
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	18.0	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: 95.800 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Instrument :

BNA_F

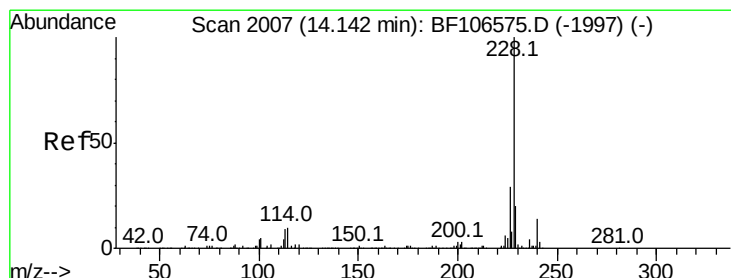
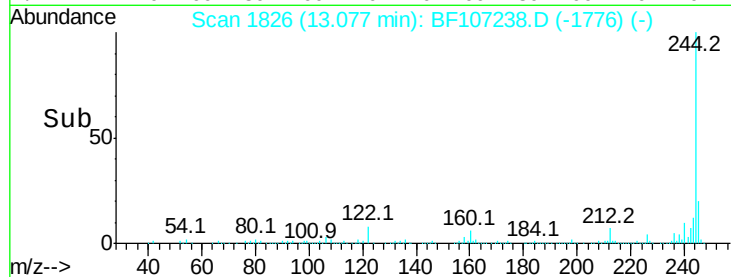
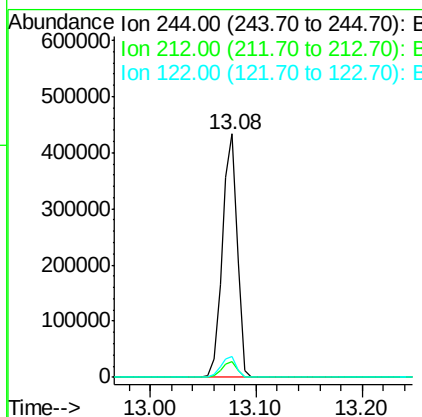
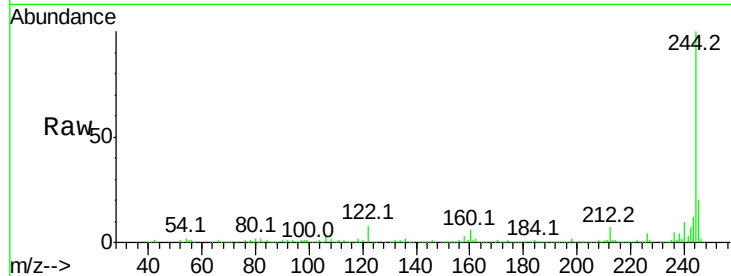
ClientSampleId :

SURCHARGE-SP-5RE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	8.4	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 23.537 ng m

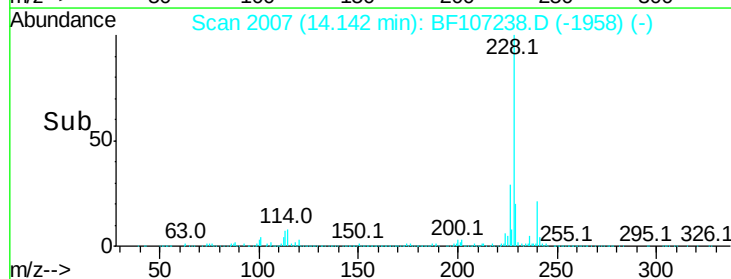
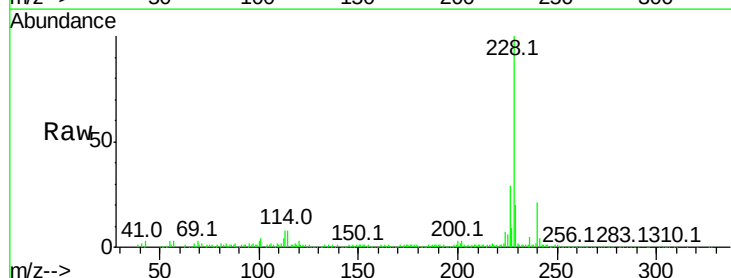
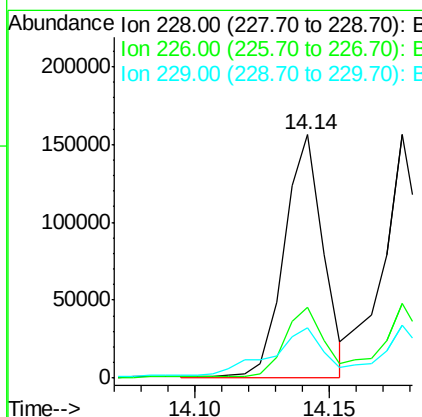
RT: 14.14 min Scan# 2007

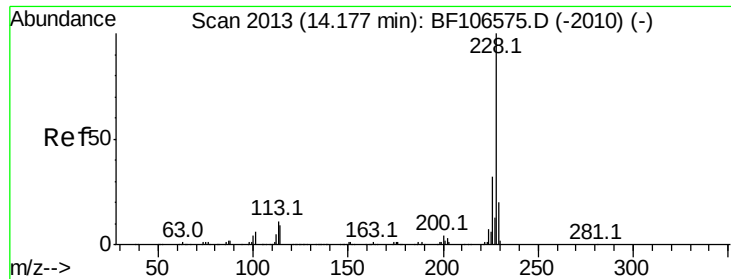
Delta R.T. -0.01 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.5	15.8	23.6





#82

Chrysene

Concen: 24.362 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Instrument :

BNA_F

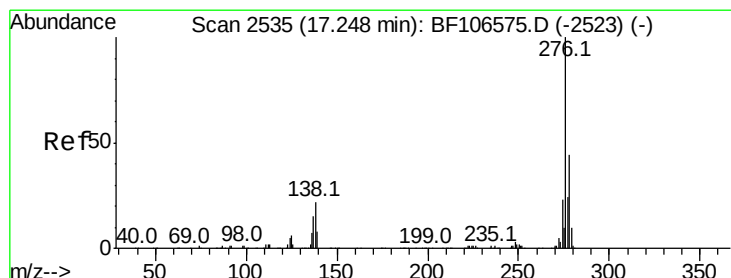
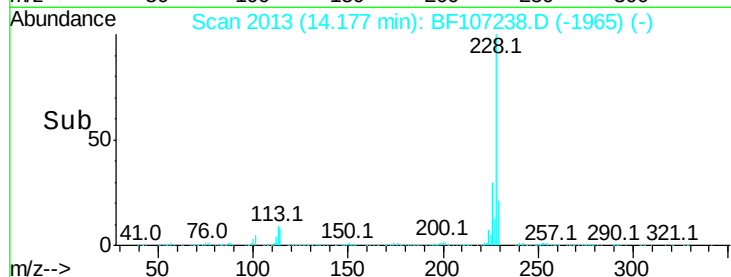
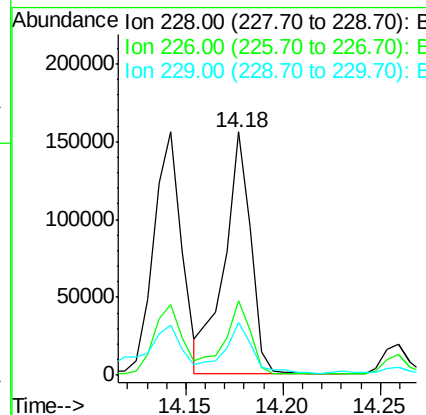
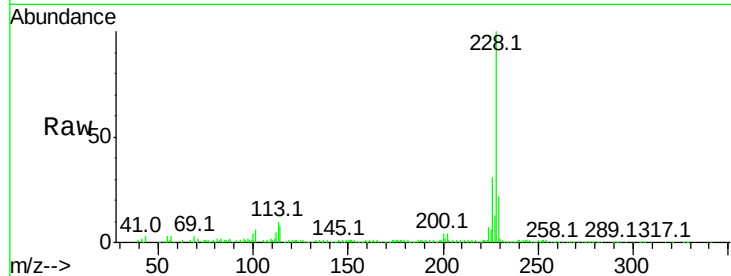
ClientSampleId :

SURCHARGE-SP-5RE

Tot Ion:	228	Resp:	148110
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	21.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.171 ng

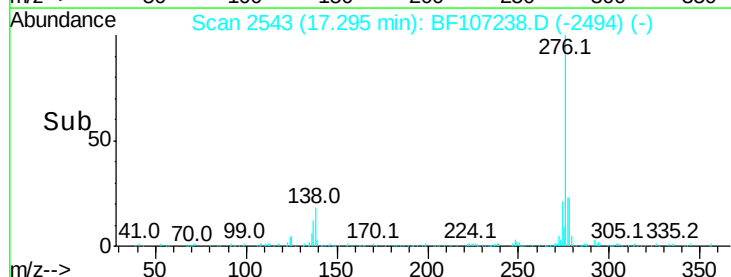
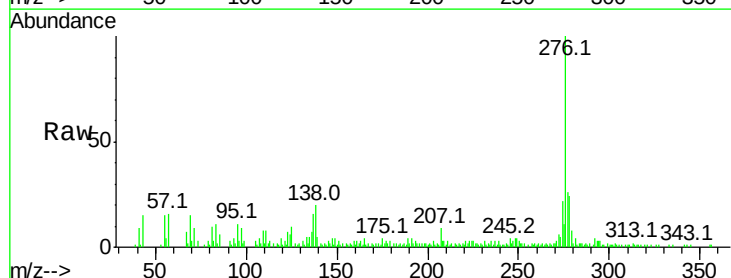
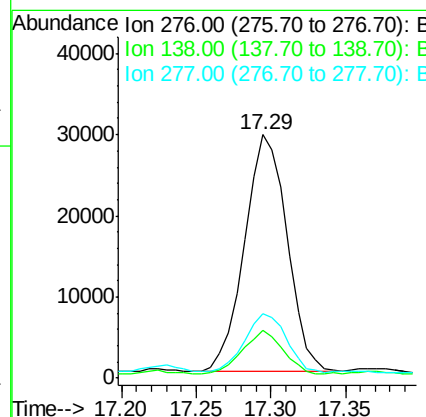
RT: 17.29 min Scan# 2543

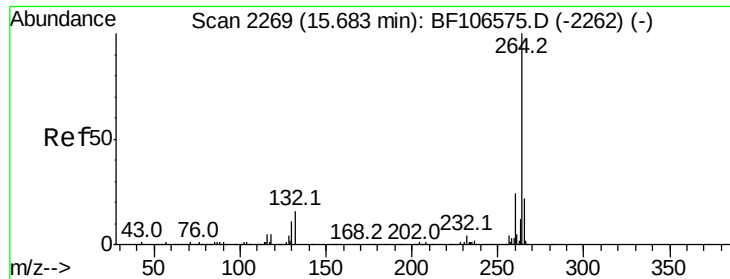
Delta R.T. -0.01 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Tgt Ion:	276	Resp:	57633
Ion Ratio	Lower	Upper	
276	100		
138	17.7	25.0	37.6#
277	24.9	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Instrument :

BNA_F

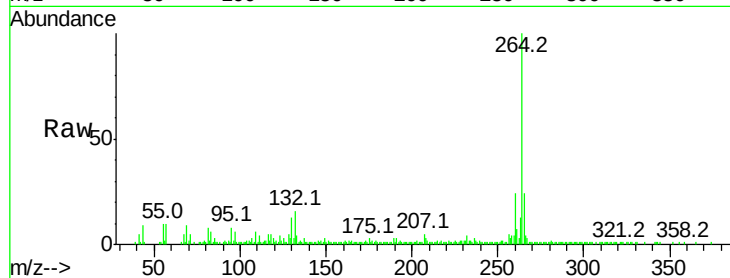
ClientSampleId :

SURCHARGE-SP-5RE

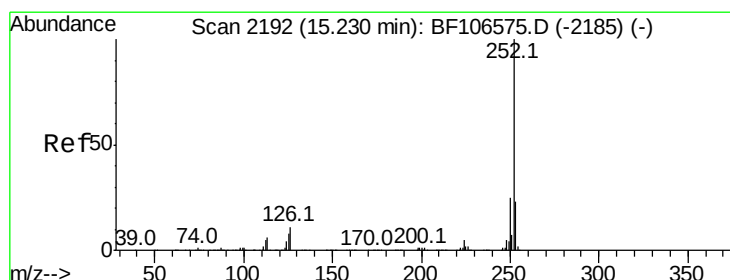
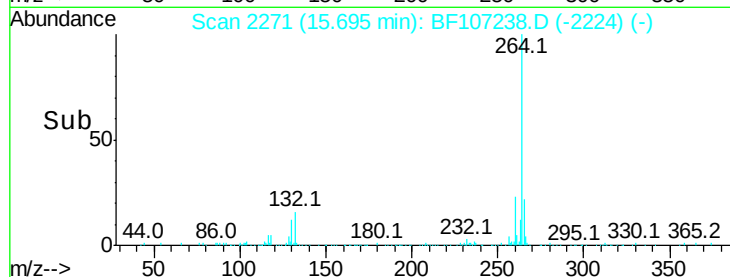
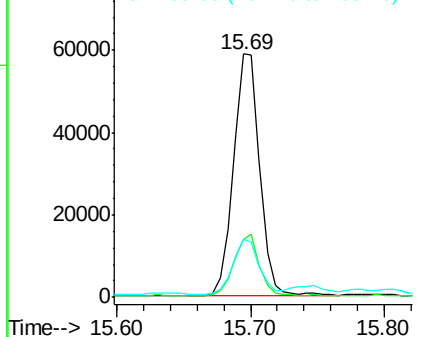
Tot Ion:	264	Resp:	79640
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	23.7	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 29.283 ng m

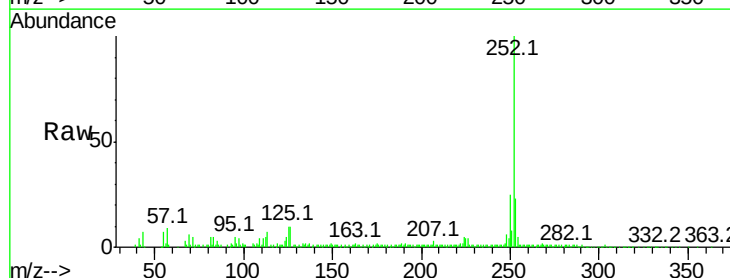
RT: 15.24 min Scan# 2193

Delta R.T. -0.02 min

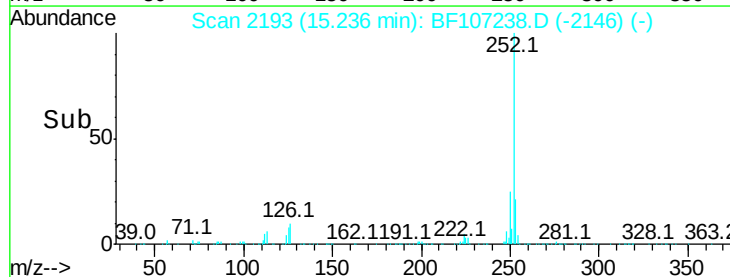
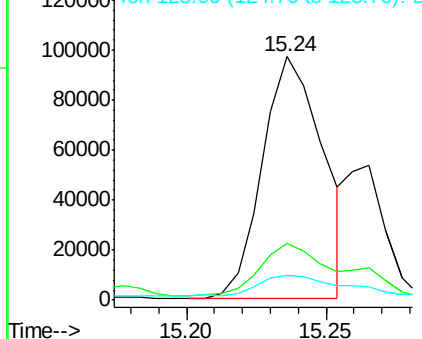
Lab File: BF107238.D

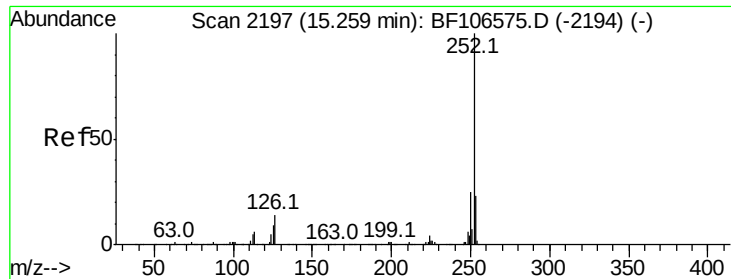
Acq: 9 Jul 2018 19:28

Tgt Ion:	252	Resp:	144869
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	10.0	9.0	13.6



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





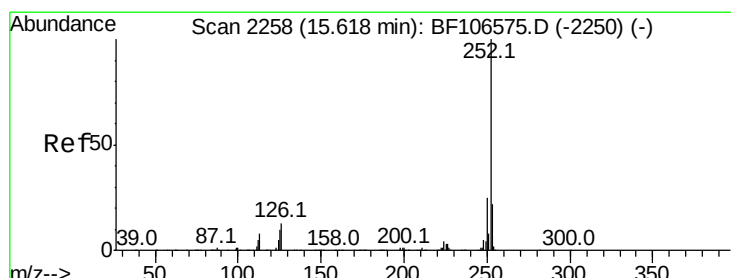
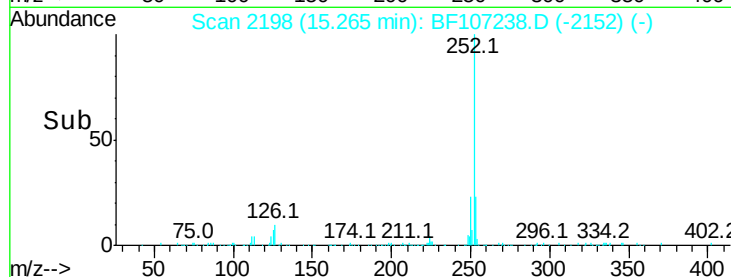
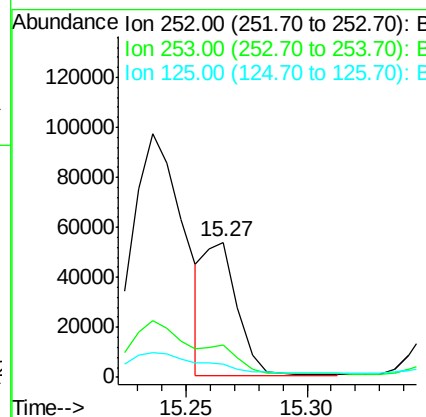
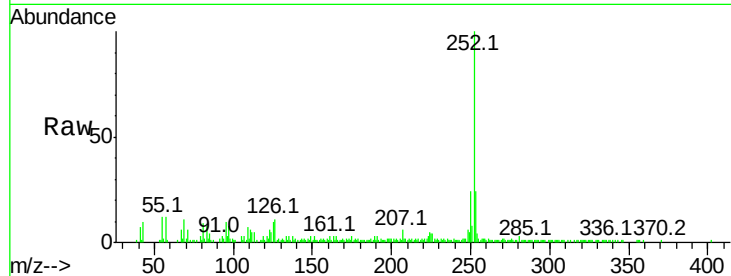
#88
Benzo(k)fluoranthene
Concen: 10.737 ng/mL
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	10.1	10.2	15.2

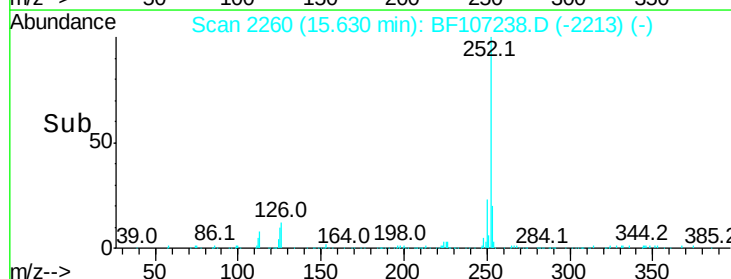
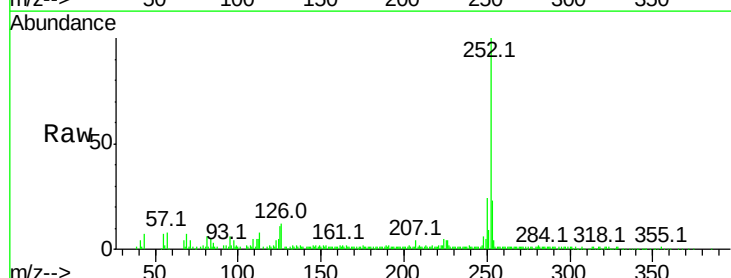
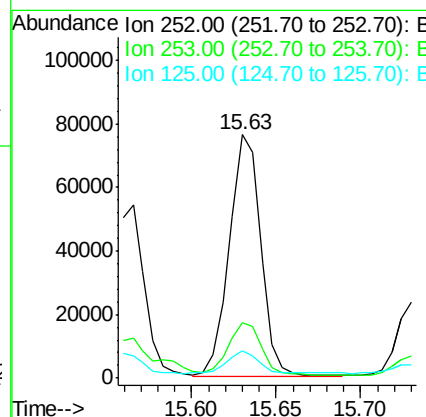
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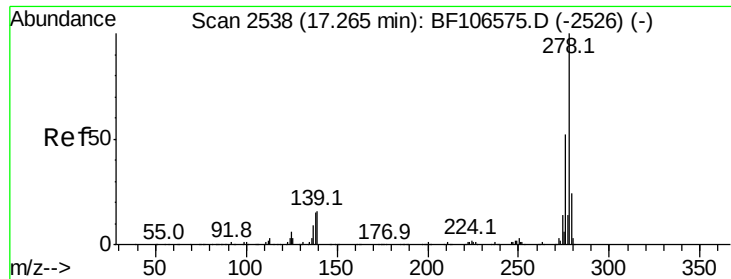
Sohil
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#89
Benzo(a)pyrene
Concen: 22.416 ng/mL
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	11.3	9.8	14.6





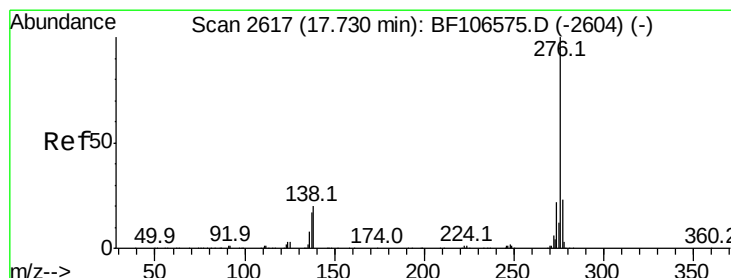
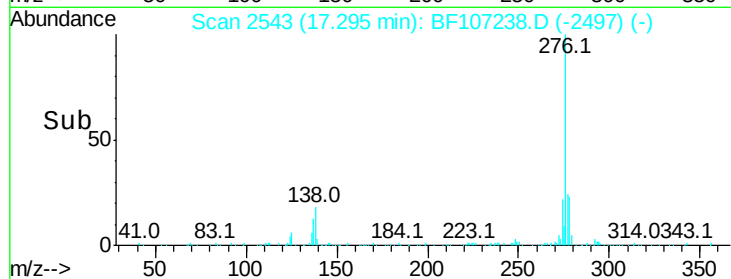
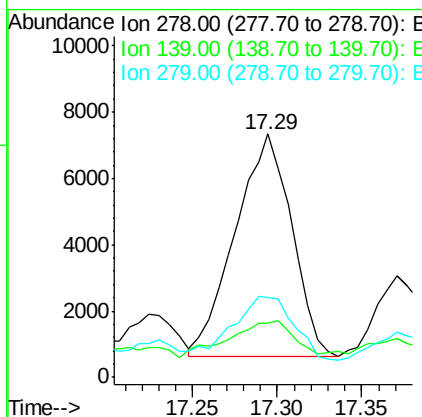
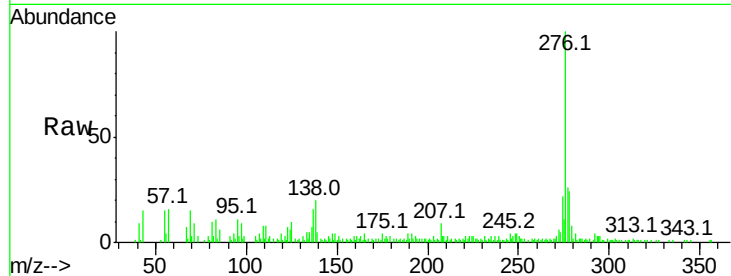
#90
Dibenzo(a,h)anthracene
Concen: 4.194 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.1	15.9	23.9
279	32.9	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 15.391 ng
RT: 17.79 min Scan# 2627
Delta R.T. 0.00 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9
138	18.7	21.8	32.8

