

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
 Data File : BF107204.D
 Acq On : 7 Jul 2018 14:16
 Operator : JU/SJ
 Sample : J3881-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-22

Manual Integrations
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 7/9/2018 2:06:20 PM

Quant Time: Jul 09 04:04:50 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	52885	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	190098	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	80780	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	141778	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	153392	20.00	ng	-0.03
86) Perylene-d12	15.68	264	123554	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	305221	97.73	ng	-0.01
7) Phenol-d6	6.59	99	374510	96.02	ng	-0.02
23) Nitrobenzene-d5	7.51	82	230958	67.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	90685	96.86	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	410942	86.34	ng	-0.02
78) Terphenyl-d14	13.07	244	445764	70.39	ng	-0.02
Target Compounds						
31) Naphthalene	8.25	128	19129	2.152	ng	99
49) Dimethylphthalate	9.70	163	60236	9.942	ng	# 99
51) Acenaphthene	10.02	154	14578	2.894	ng	97
57) Fluorene	10.54	166	14414	2.633	ng	# 99
70) Phenanthrene	11.51	178	123495	18.059	ng	96
71) Anthracene	11.56	178	41931	6.007	ng	98
74) Fluoranthene	12.70	202	291613	38.690	ng	96
77) Pyrene	12.94	202	285871	28.262	ng	99
80) Benzo(a)anthracene	14.12	228	184783	19.765	ng	98
82) Chrysene	14.17	228	173949	20.225	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	66360	9.092	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	195302m	25.446	ng	
88) Benzo(k)fluoranthene	15.24	252	62888m	8.604	ng	
89) Benzo(a)pyrene	15.61	252	126287	18.509	ng	95
90) Dibenzo(a,h)anthracene	17.26	278	19247	3.329	ng	# 85
91) Benzo(g,h,i)perylene	17.74	276	65700	11.625	ng	# 90

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

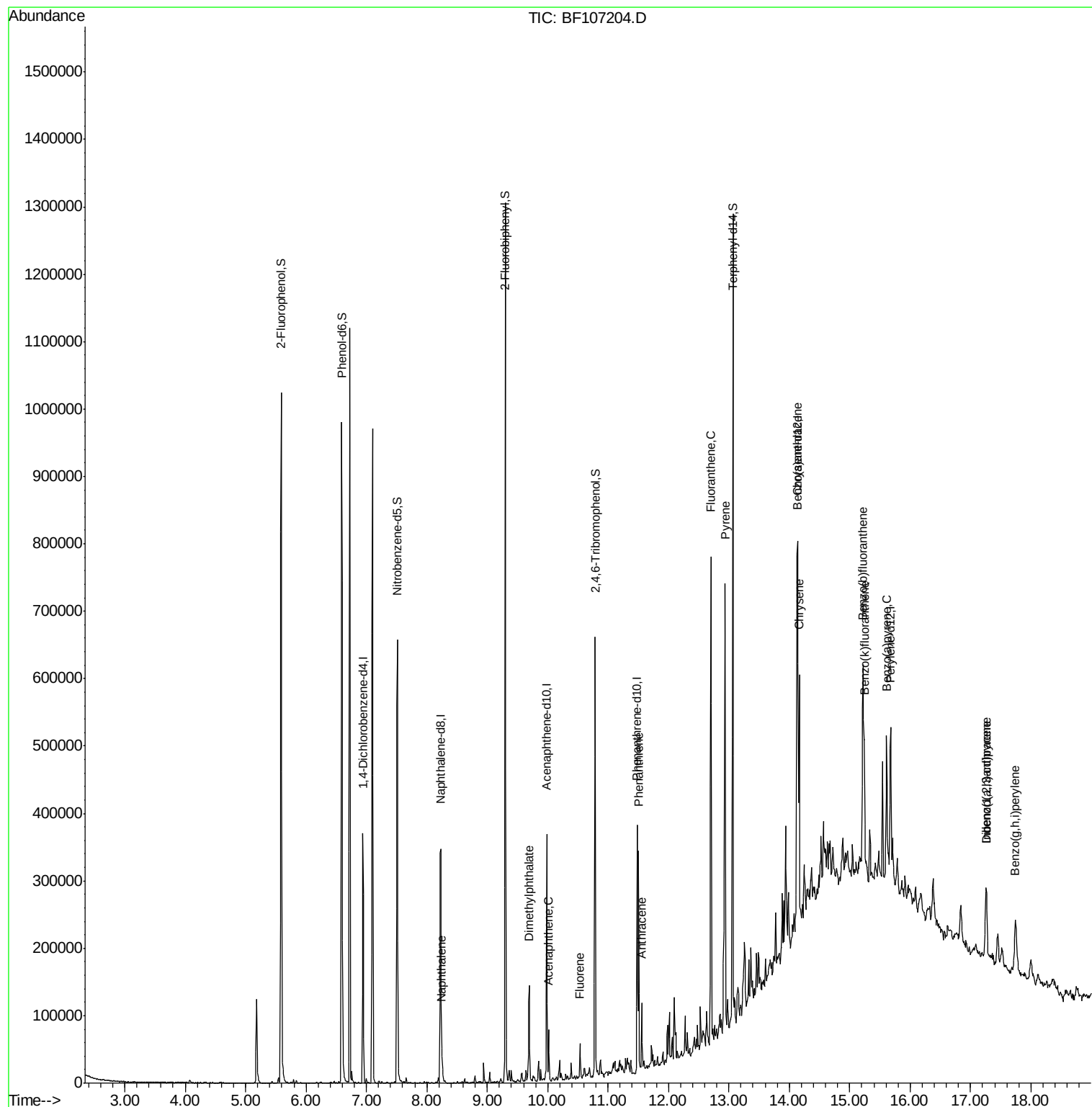
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
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ALS Vial : 12 Sample Multiplier: 1

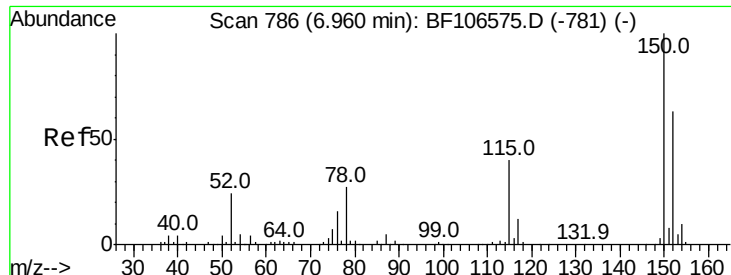
Instrument :
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SURCHARGE-SP-22

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#1

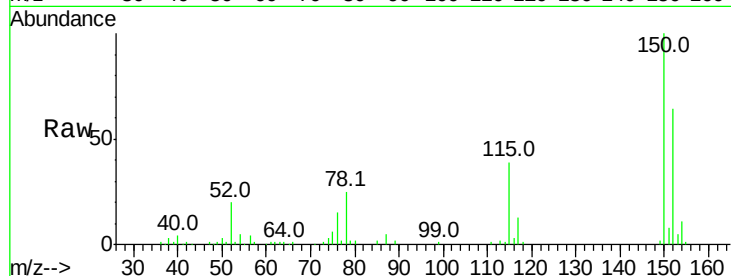
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

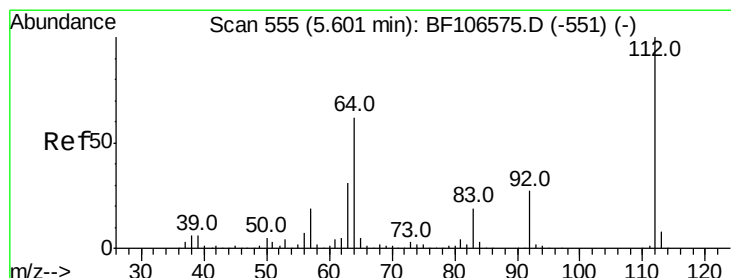
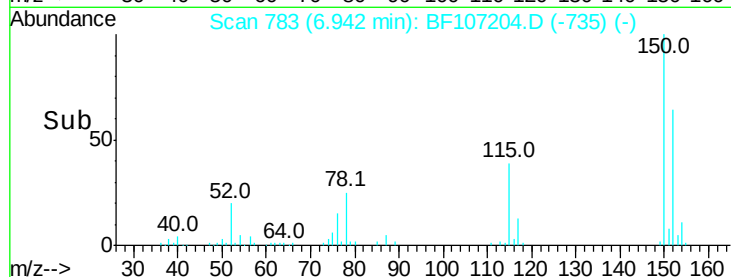
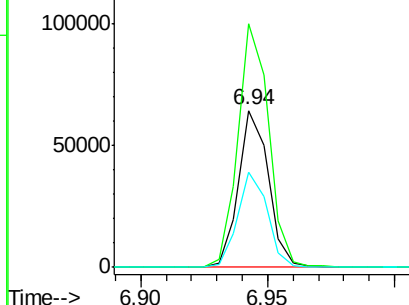
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	60.9	50.1	75.1

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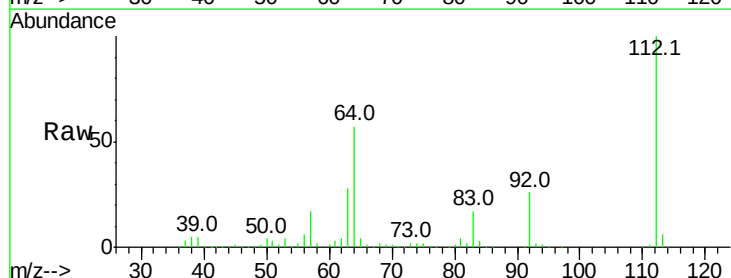
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



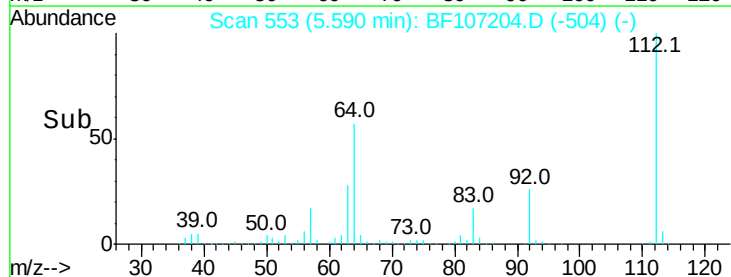
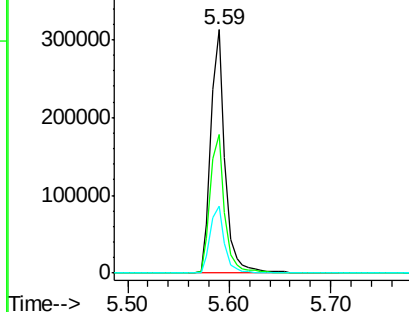
#5

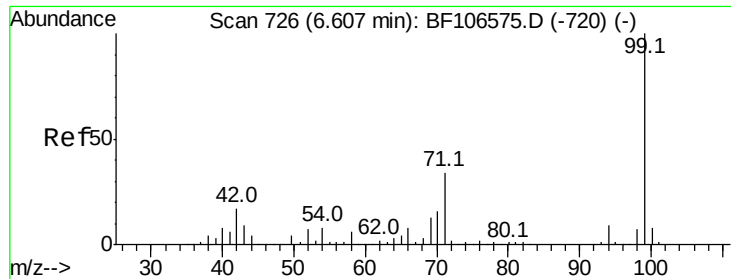
2-Fluorophenol
Concen: 97.728 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	27.6	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: 96.023 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107204.D

Acq: 7 Jul 2018 14:16

Instrument :

BNA_F

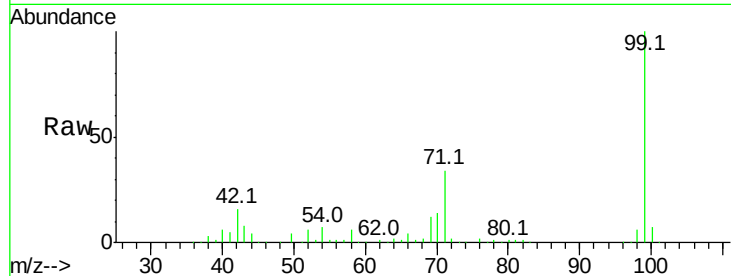
ClientSampleId :

SURCHARGE-SP-22

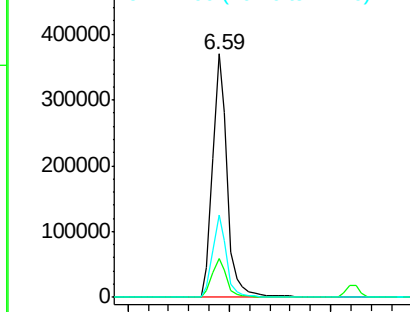
Tot Ion:	99	Resp:	374510
Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.5	21.7
71	33.6	25.4	38.0

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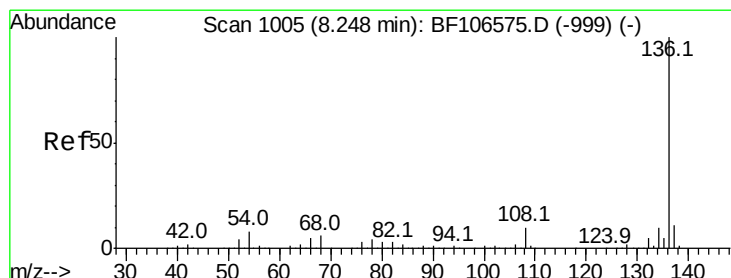
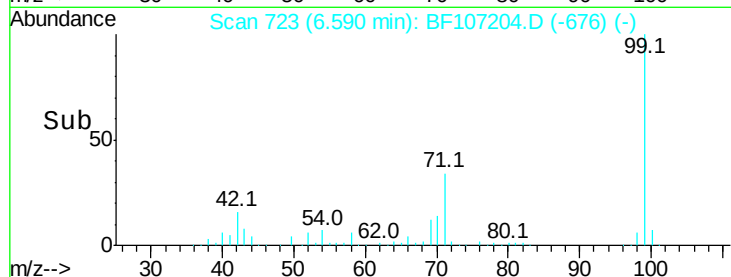
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1002

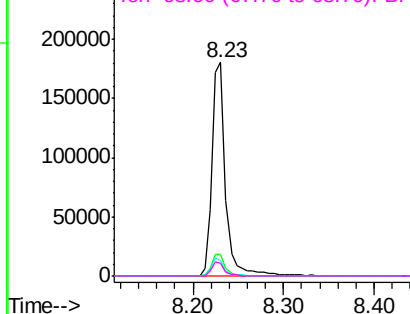
Delta R.T. -0.02 min

Lab File: BF107204.D

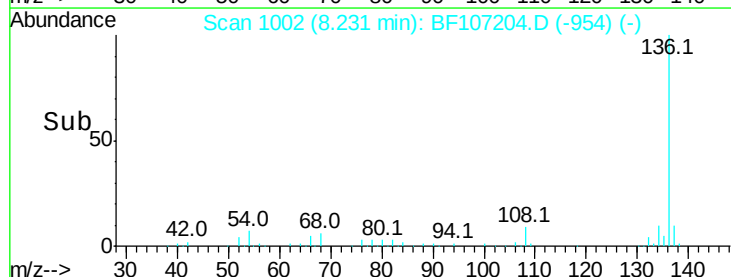
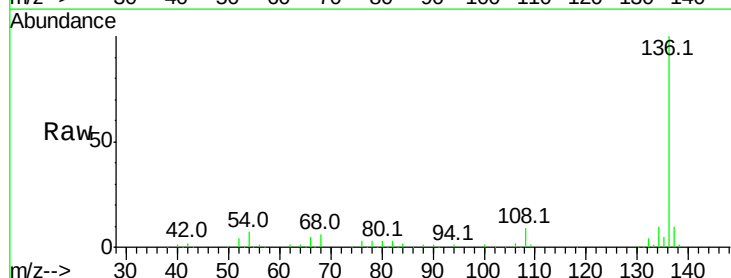
Acq: 7 Jul 2018 14:16

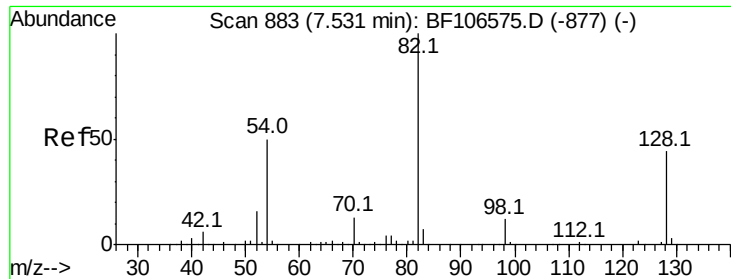
Tgt Ion:	136	Resp:	190098
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	6.9	6.6	9.8
68	5.7	5.0	7.4

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



Time-->





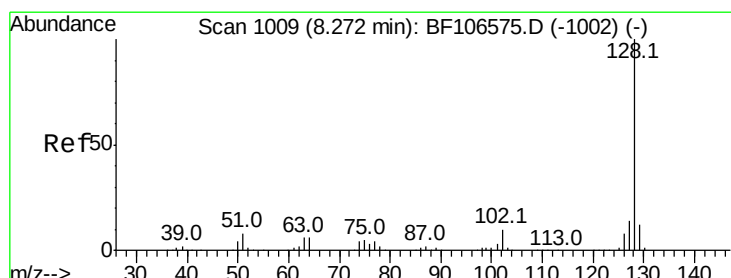
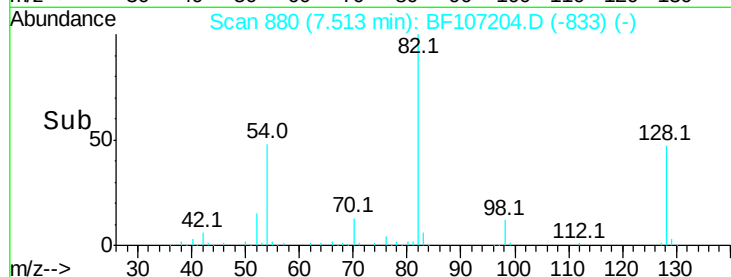
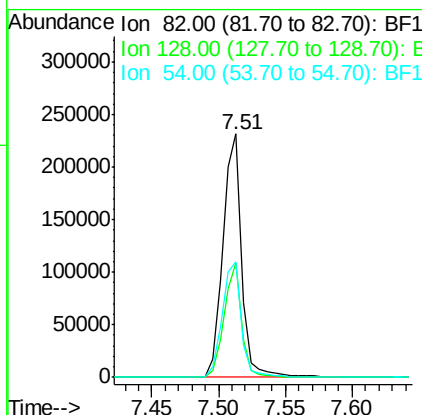
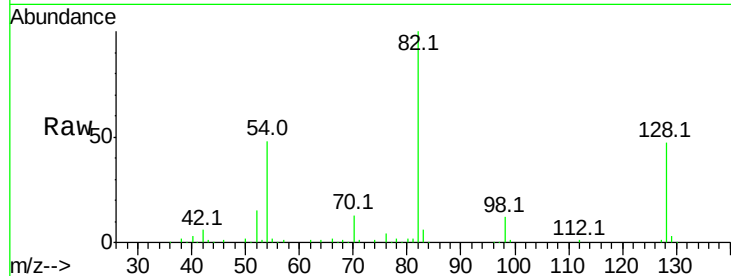
#23
Nitrobenzene-d5
Concen: 67.519 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	47.6	41.4	62.2

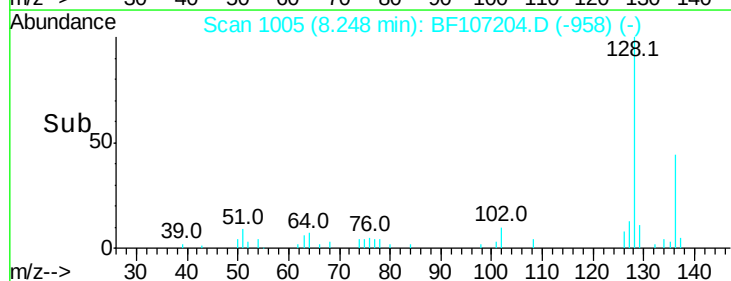
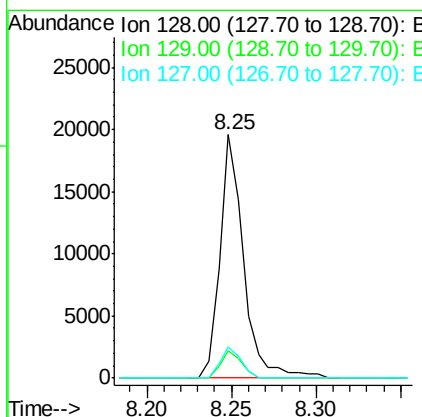
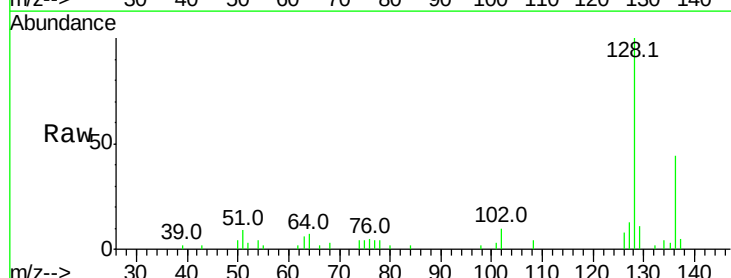
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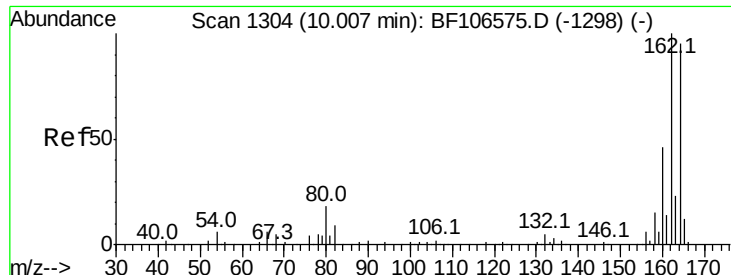
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#31
Naphthalene
Concen: 2.152 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.9	16.3





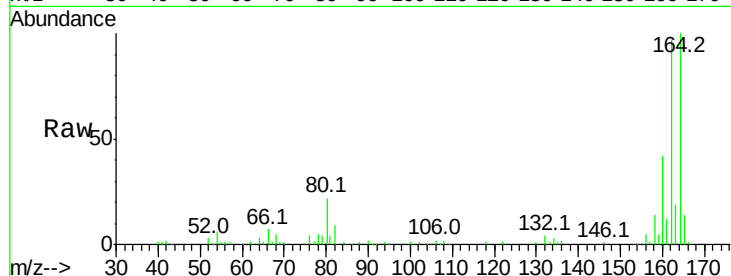
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

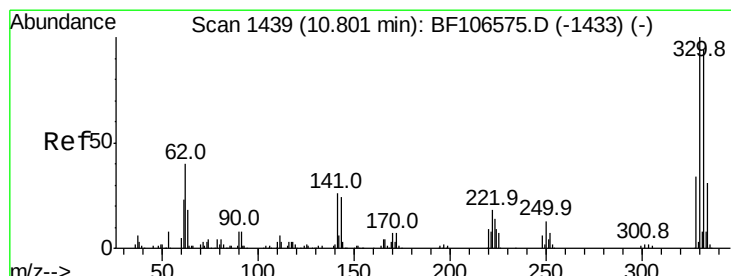
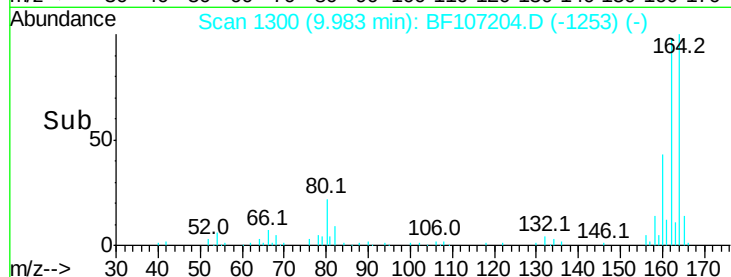
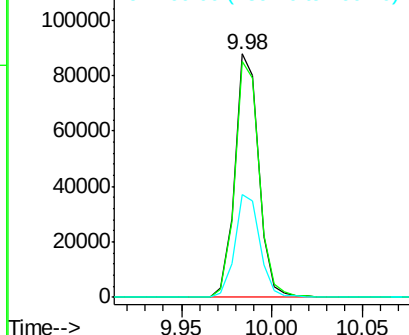
Tot Ion	Ratio	Lower	Upper
164	100		
162	97.0	86.1	129.1
160	42.2	38.3	57.5

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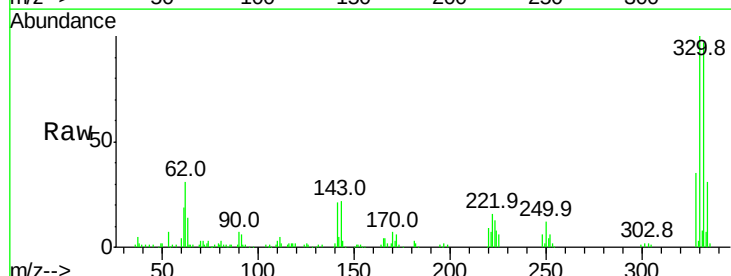


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

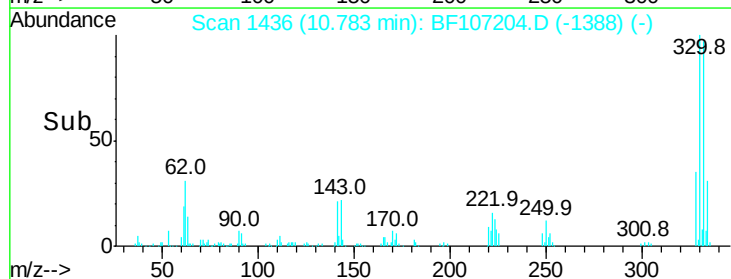
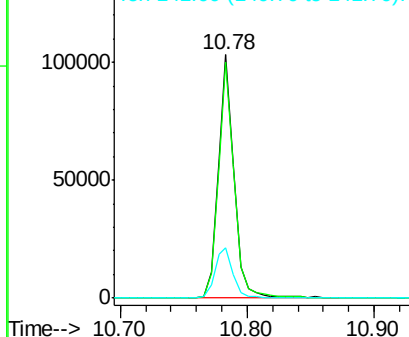


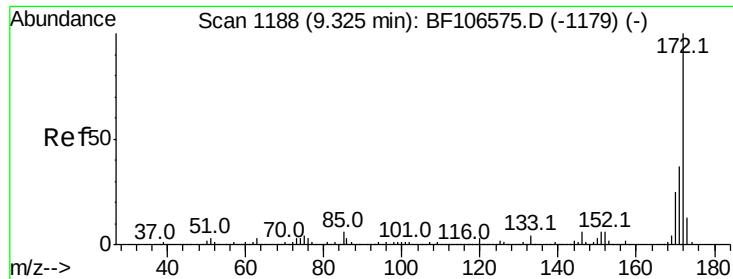
#41
2,4,6-Tribromophenol
Concen: 96.859 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	24.0	29.9	44.9#



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





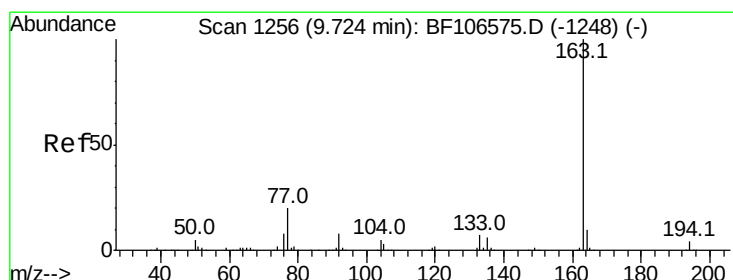
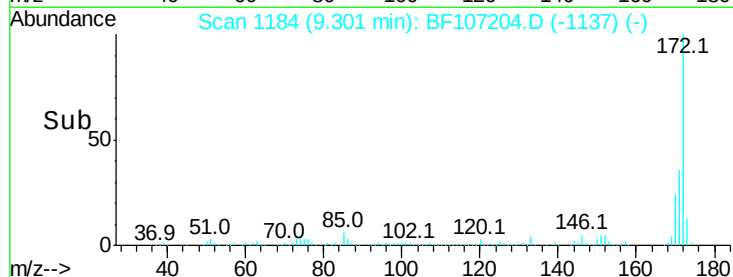
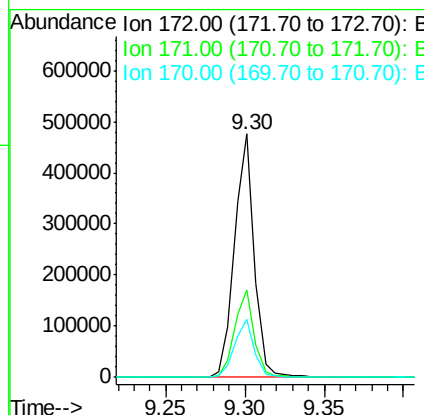
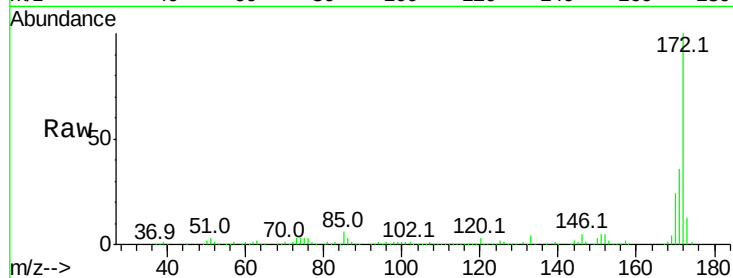
#44
 2-Fluorobiphenyl
 Concen: 86.339 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107204.D
 Acq: 7 Jul 2018 14:16

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-22

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.9	19.6	29.4

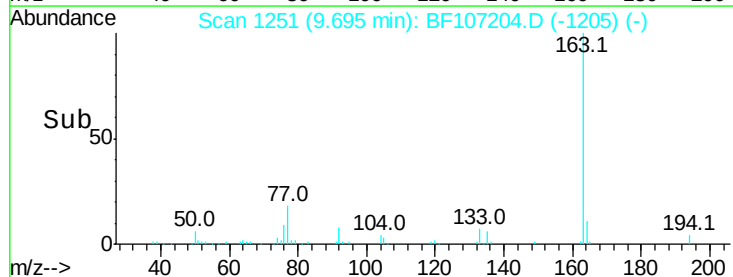
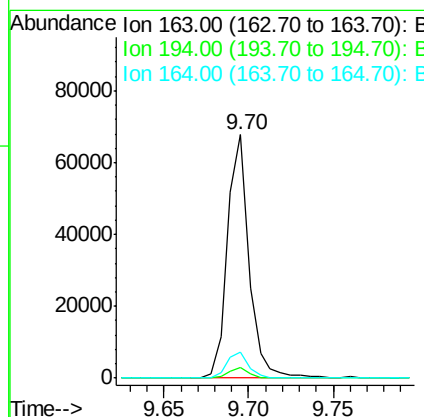
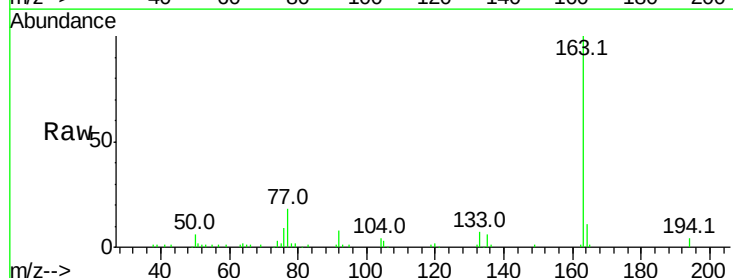
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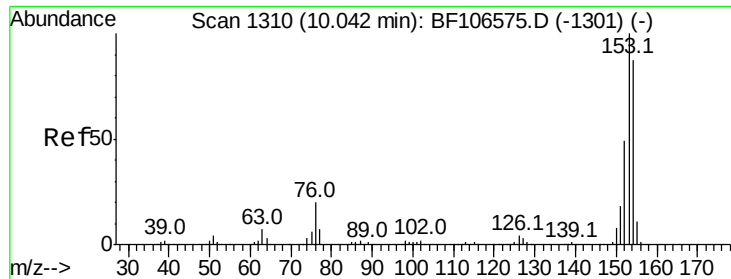
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#49
 Dimethylphthalate
 Concen: 9.942 ng
 RT: 9.70 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF107204.D
 Acq: 7 Jul 2018 14:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	10.6	8.2	12.2





#51

Acenaphthene

Concen: 2.894 ng

RT: 10.02 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF107204.D

Acq: 7 Jul 2018 14:16

Instrument :

BNA_F

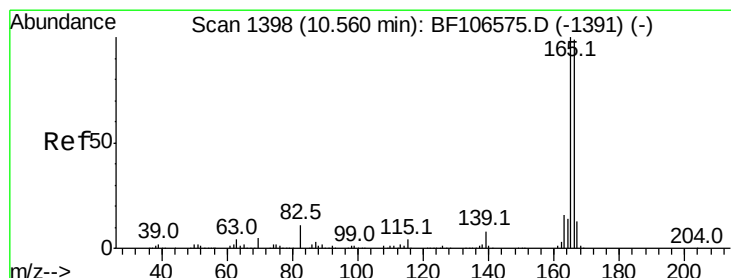
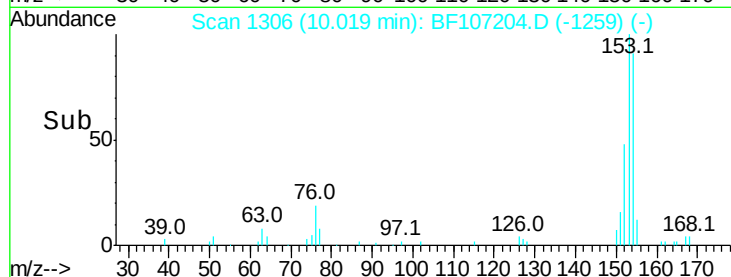
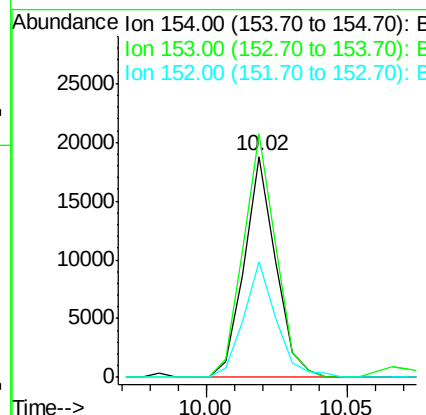
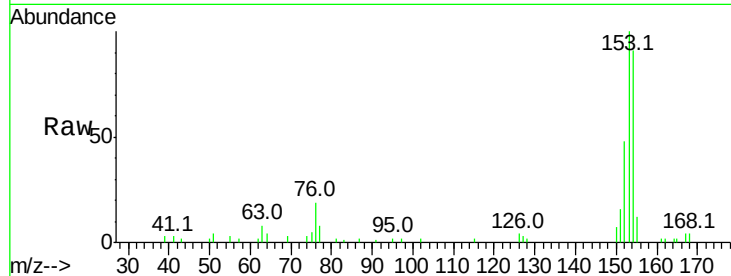
ClientSampleId :

SURCHARGE-SP-22

Tot Ion:	154	Resp:	14578
Ion	Ratio	Lower	Upper
154	100		
153	110.1	91.2	136.8
152	52.6	43.8	65.8

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#57

Fluorene

Concen: 2.633 ng

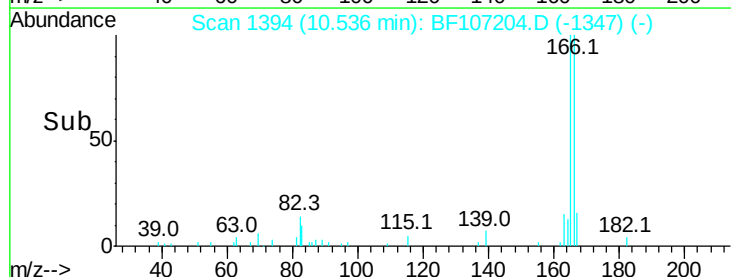
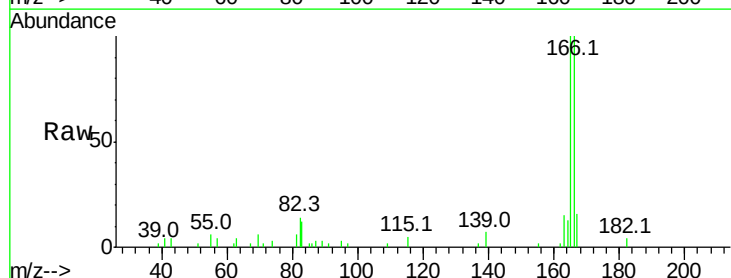
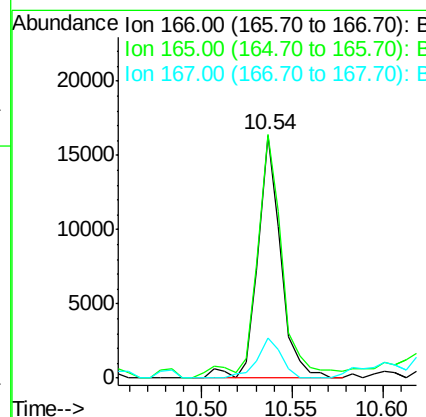
RT: 10.54 min Scan# 1394

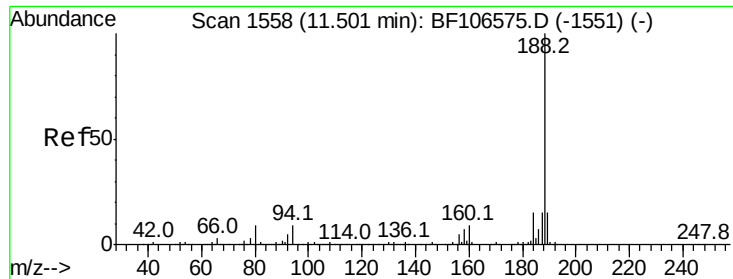
Delta R.T. -0.02 min

Lab File: BF107204.D

Acq: 7 Jul 2018 14:16

Tgt Ion:	166	Resp:	14414
Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	16.4	10.6	16.0#





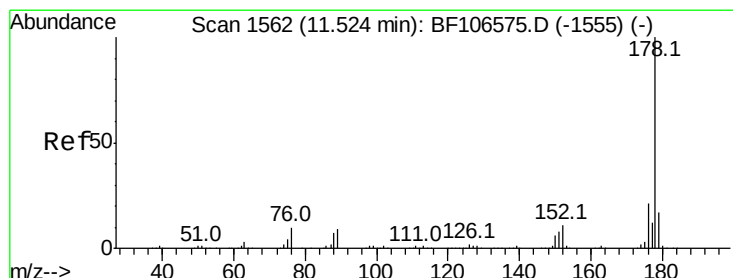
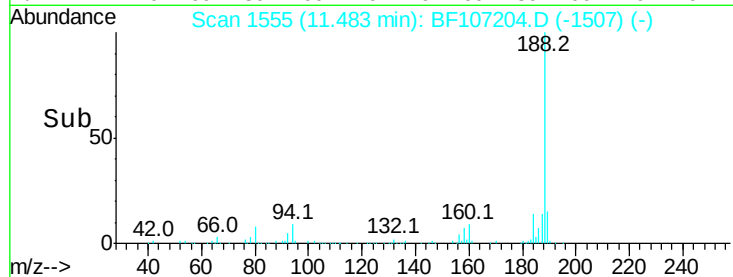
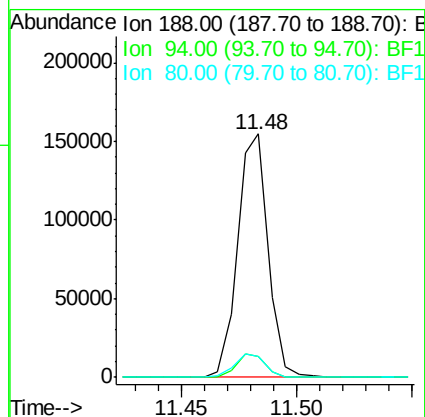
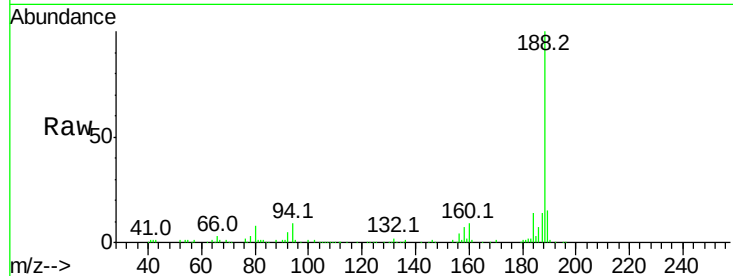
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	8.5	12.7
80	8.5	9.2	13.8#

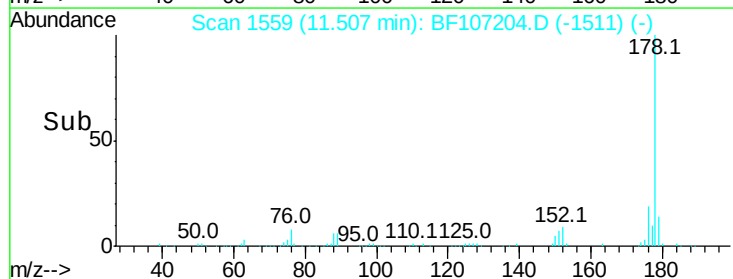
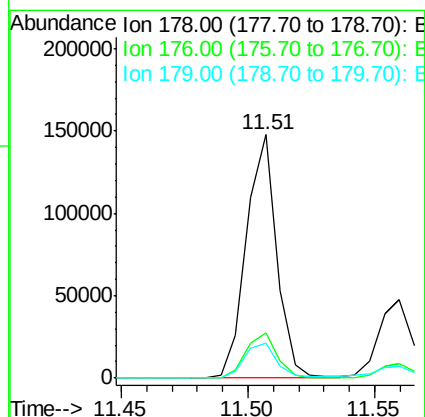
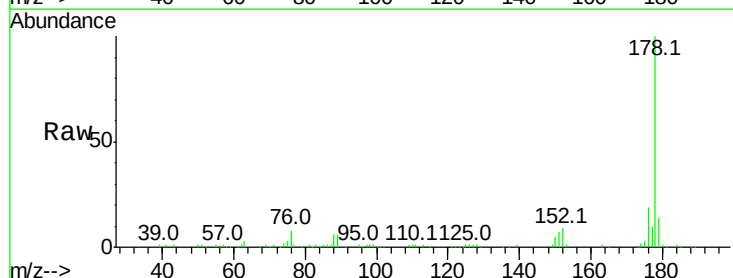
Manual Integrations
APPROVED

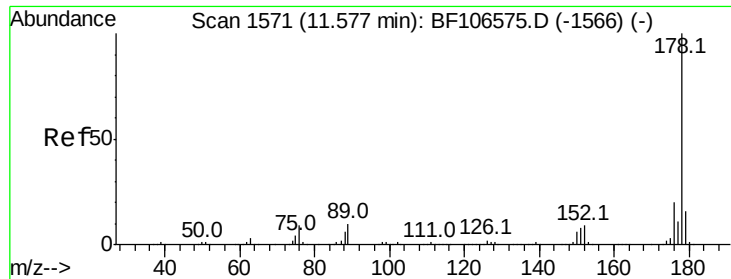
Sohil
7/9/2018 2:06:20 PM



#70
Phenanthrene
Concen: 18.059 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.8	23.8
179	14.2	13.0	19.6





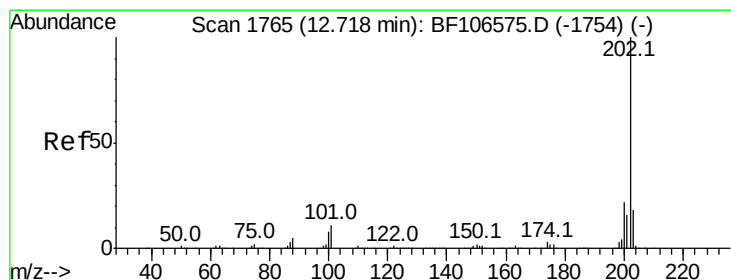
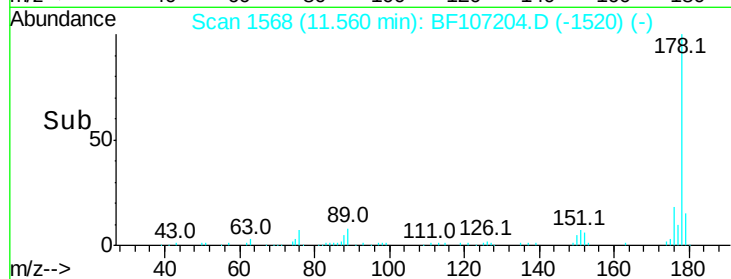
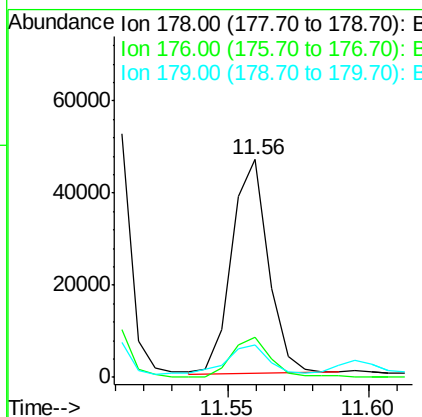
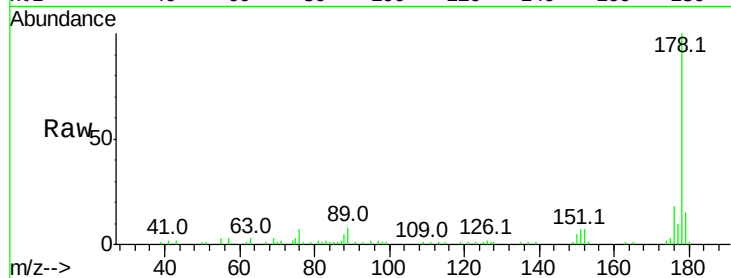
#71
 Anthracene
 Concen: 6.007 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF107204.D
 Acq: 7 Jul 2018 14:16

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-22

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	14.8	12.6	19.0

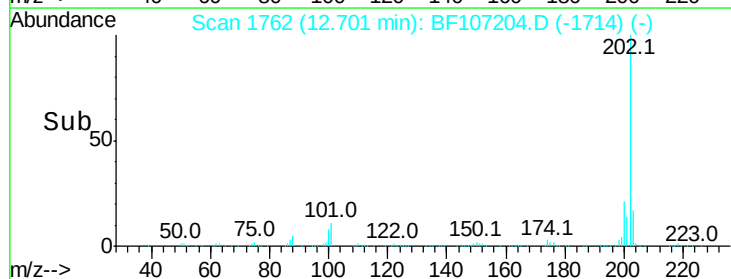
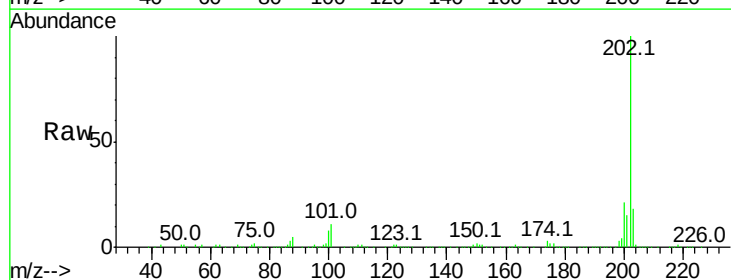
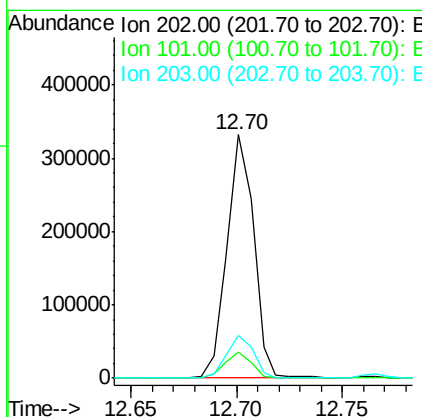
Manual Integrations
 APPROVED

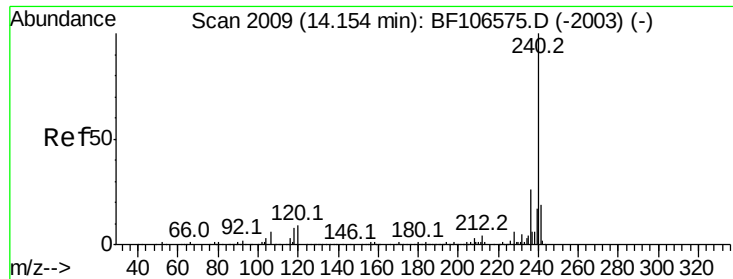
Sohil
 7/9/2018 2:06:20 PM



#74
 Fluoranthene
 Concen: 38.690 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107204.D
 Acq: 7 Jul 2018 14:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	17.5	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: BF107204.D

Acq: 7 Jul 2018 14:16

Instrument :

BNA_F

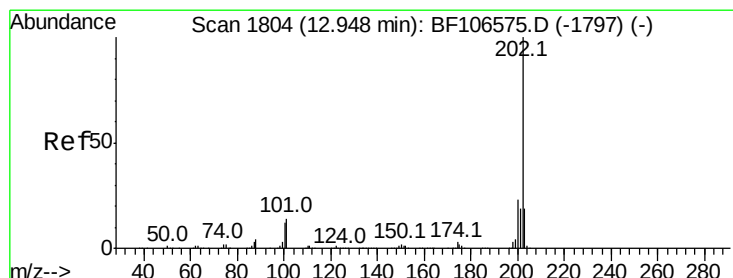
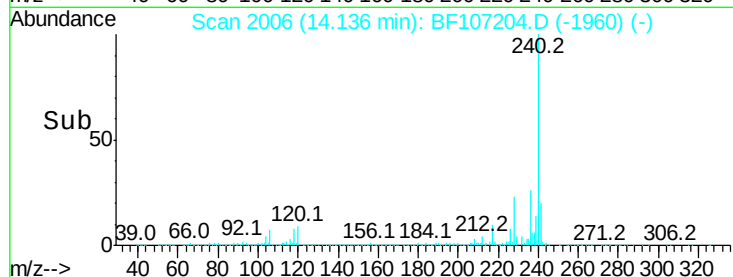
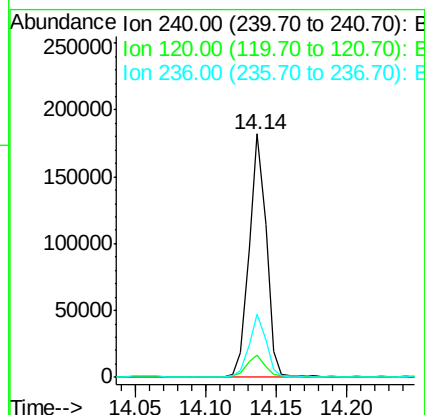
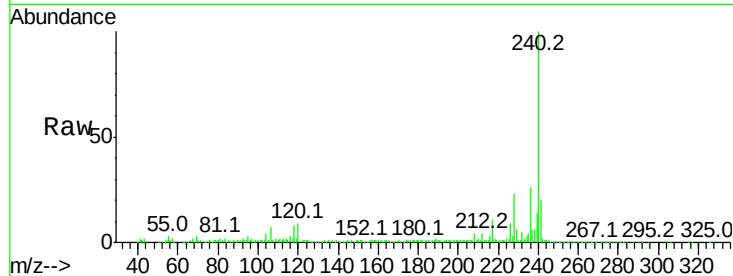
ClientSampleId :

SURCHARGE-SP-22

Tot Ion:	240	Resp:	153392
Ion Ratio	Lower	Upper	
240	100		
120	9.1	9.5	14.3#
236	26.1	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 28.262 ng

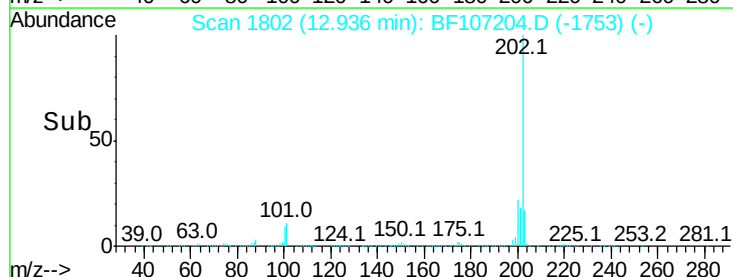
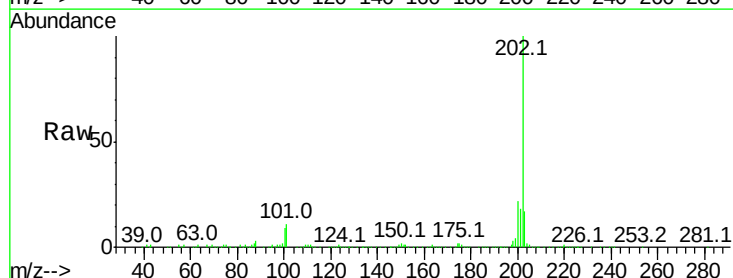
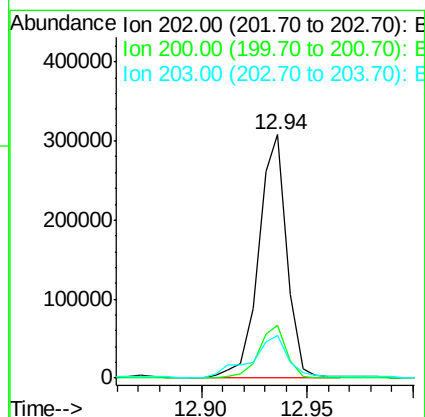
RT: 12.94 min Scan# 1802

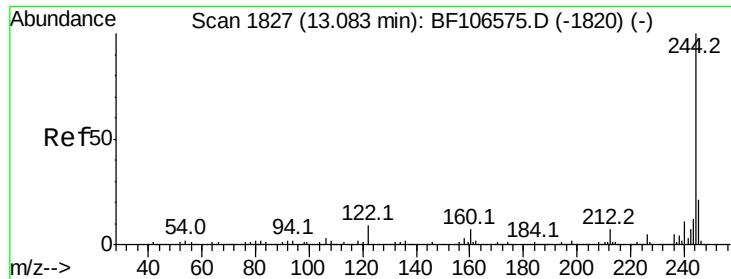
Delta R.T. -0.01 min

Lab File: BF107204.D

Acq: 7 Jul 2018 14:16

Tgt Ion:	202	Resp:	285871
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	17.5	14.3	21.5





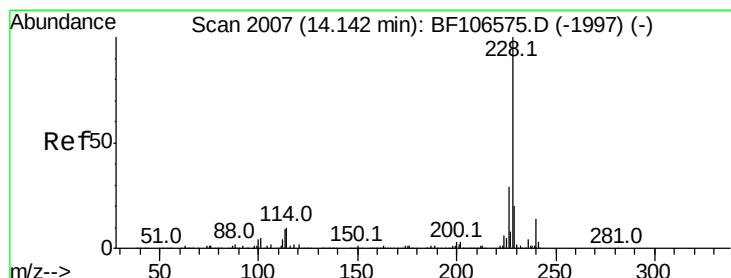
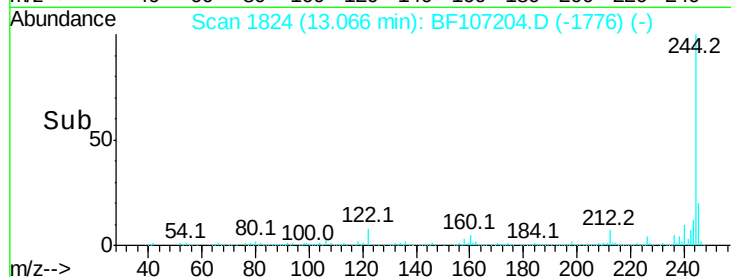
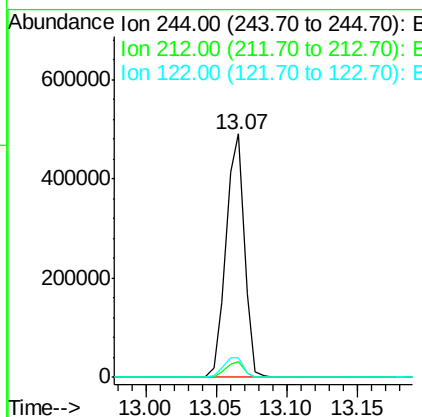
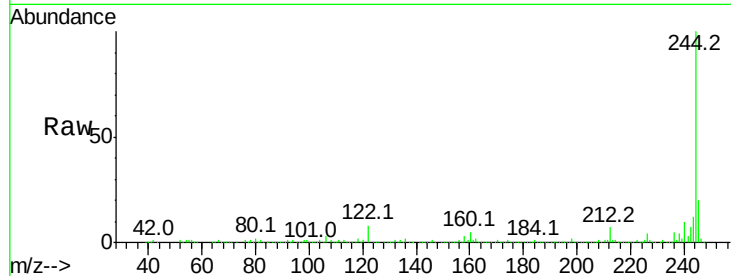
#78
 Terphenyl-d14
 Concen: 70.393 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107204.D
 Acq: 7 Jul 2018 14:16

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-22

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

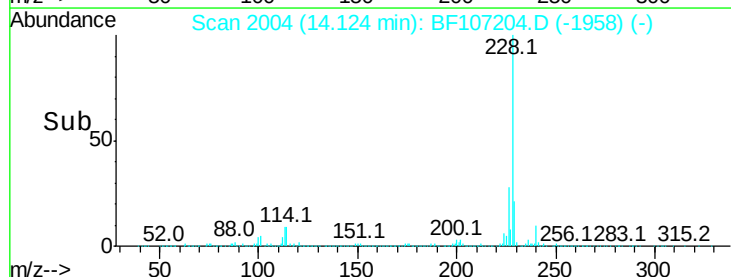
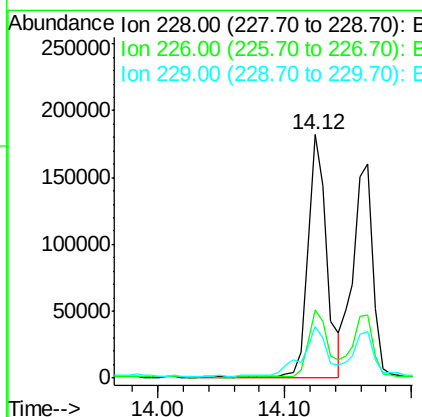
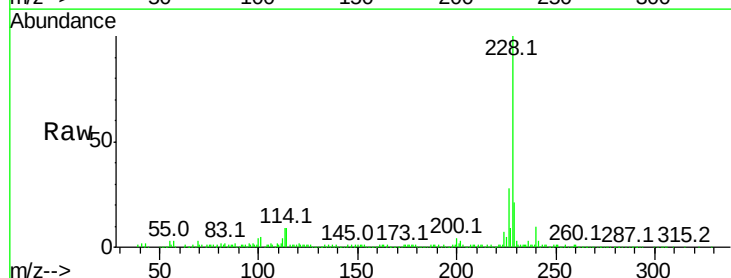
Manual Integrations
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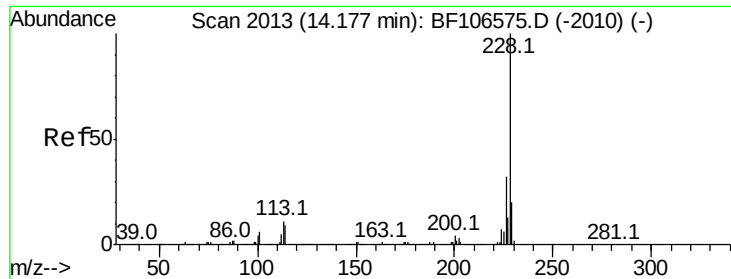
Sohil
 7/9/2018 2:06:20 PM



#80
 Benzo(a)anthracene
 Concen: 19.765 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.03 min
 Lab File: BF107204.D
 Acq: 7 Jul 2018 14:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	21.3	15.8	23.6





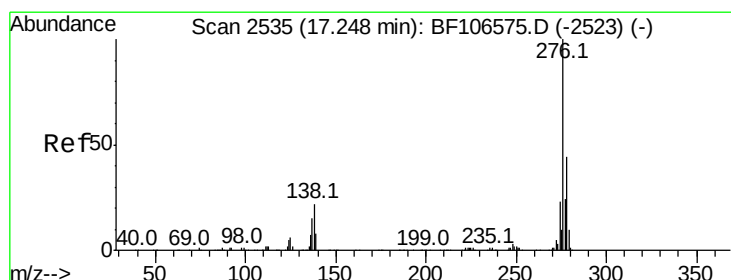
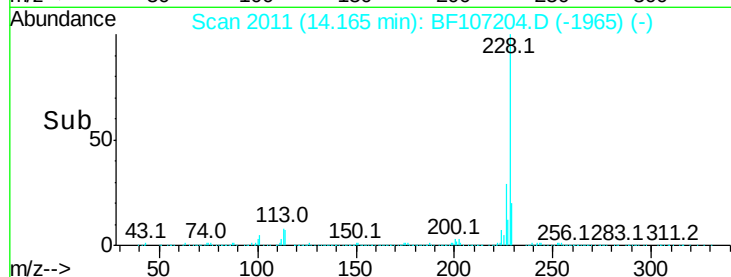
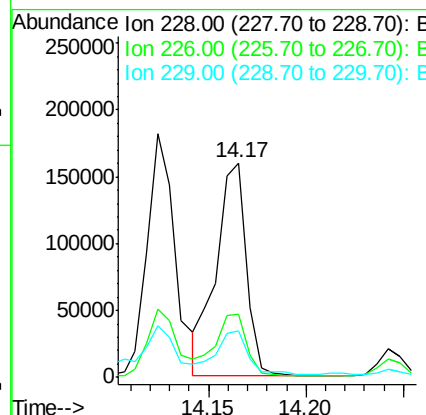
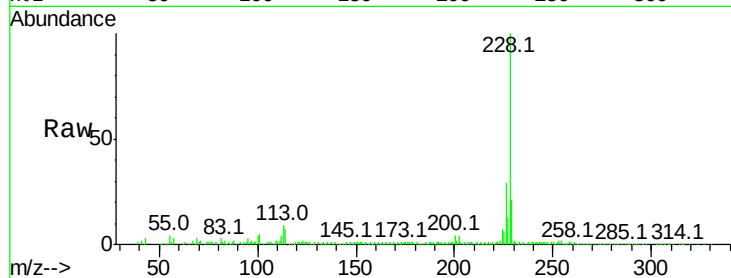
#82
Chrysene
Concen: 20.225 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion:	228	Resp:	173949
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.0	37.6
229	21.4	16.2	24.4

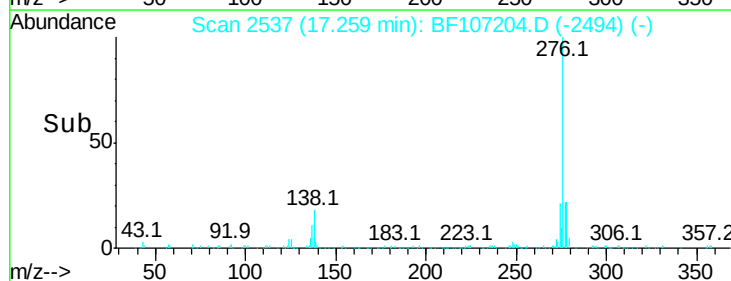
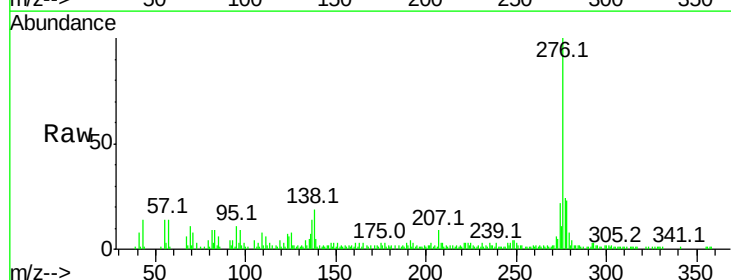
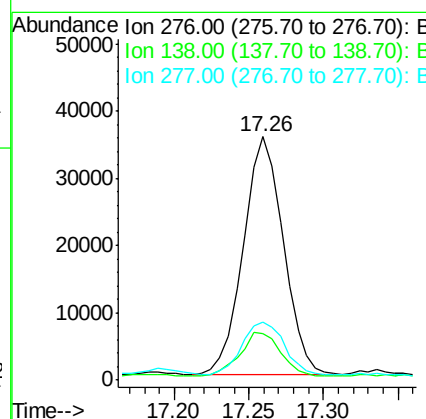
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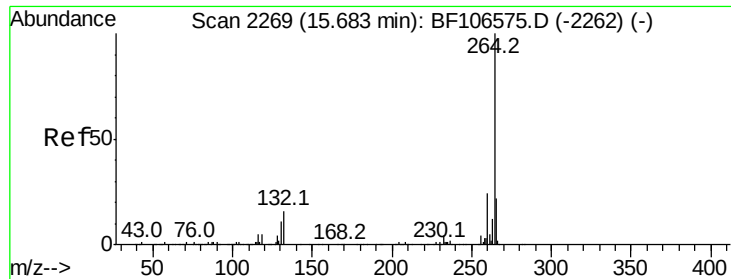
Sohil
7/9/2018 2:06:20 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 9.092 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.05 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Tgt Ion:	276	Resp:	66360
Ion Ratio	Lower	Upper	
276	100		
138	18.7	25.0	37.6#
277	23.6	20.1	30.1





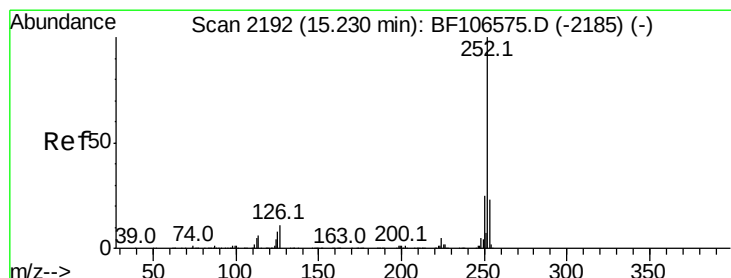
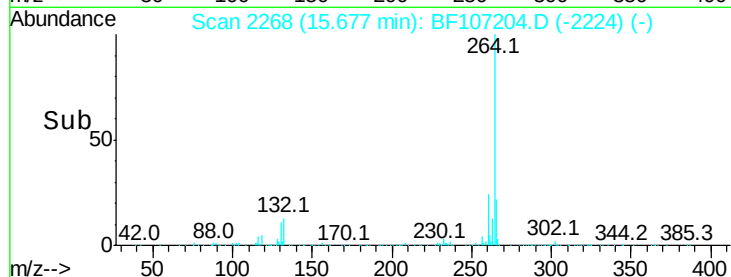
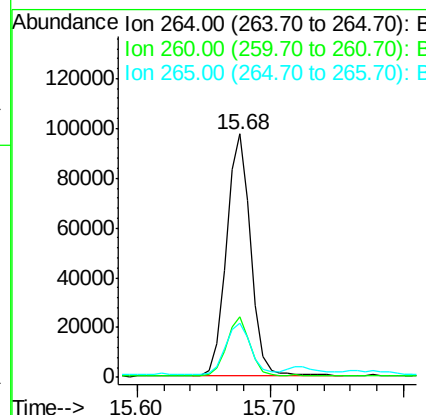
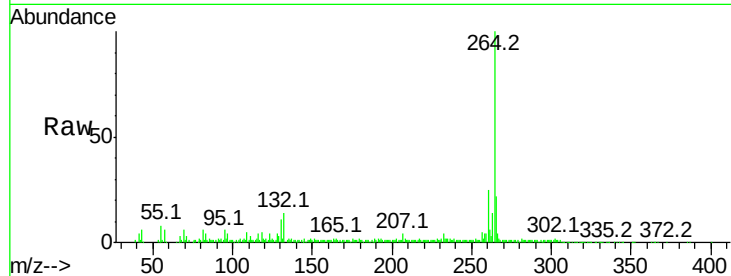
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.04 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion:	264	Resp:	123554
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.2	28.8
265	22.4	17.5	26.3

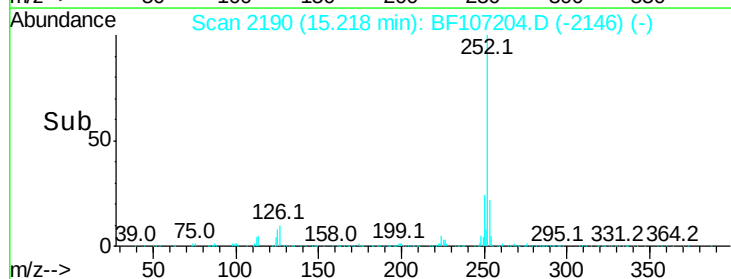
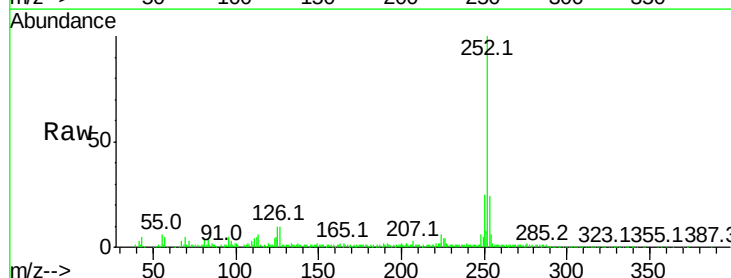
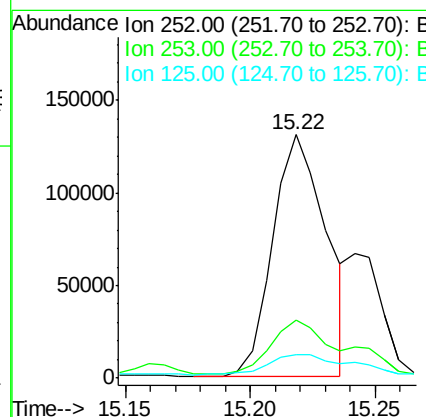
Manual Integrations
APPROVED

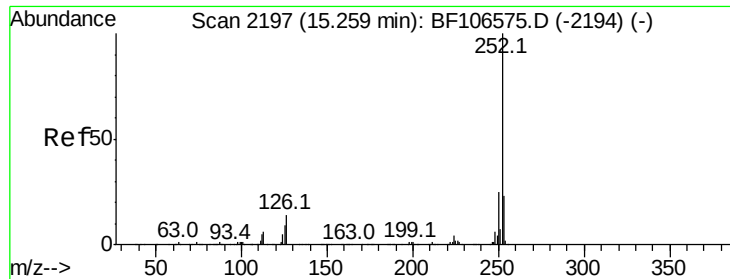
Sohil
7/9/2018 2:06:20 PM



#87
Benzo(b)fluoranthene
Concen: 25.446 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Tgt Ion:	252	Resp:	195302
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	9.9	9.0	13.6





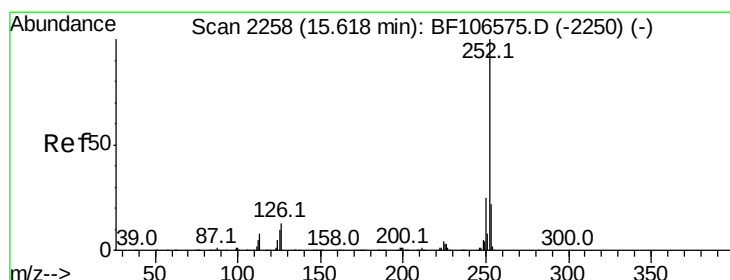
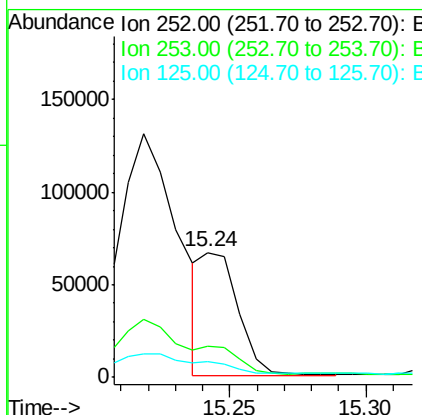
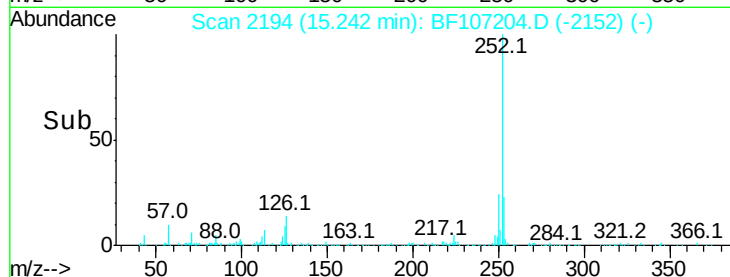
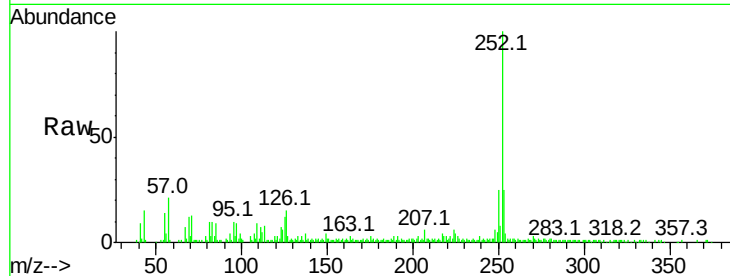
#88
Benzo(k)fluoranthene
Concen: 8.604 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	12.3	10.2	15.2

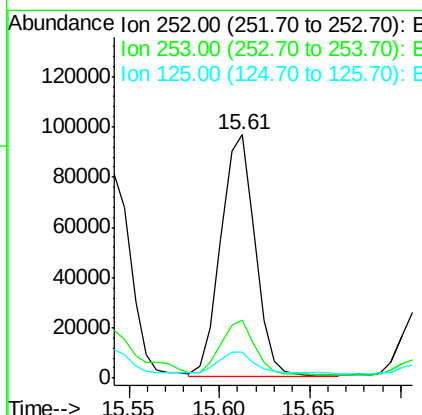
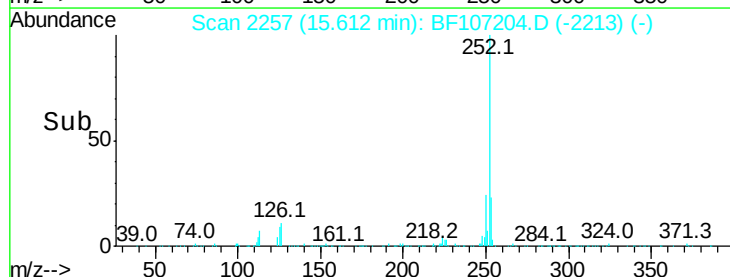
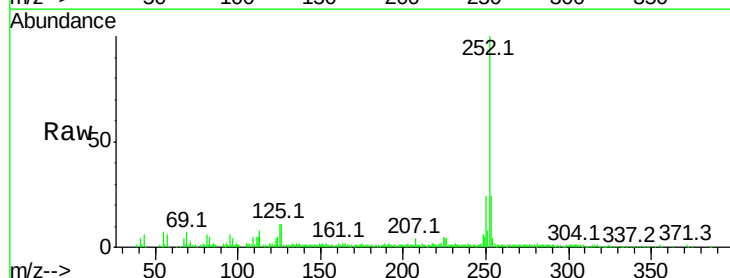
Manual Integrations
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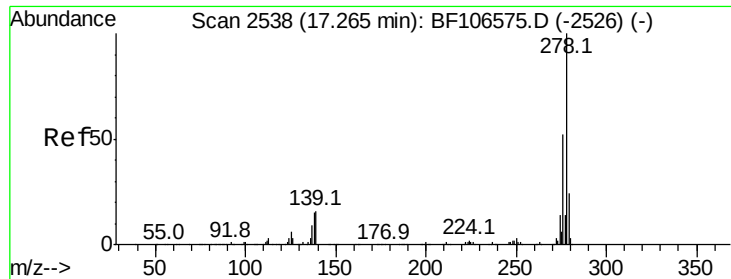
Sohil
7/9/2018 2:06:20 PM



#89
Benzo(a)pyrene
Concen: 18.509 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	10.9	9.8	14.6





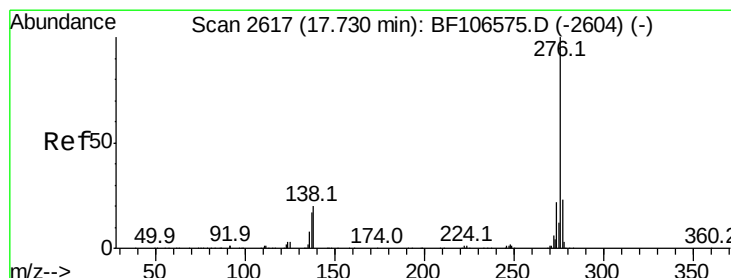
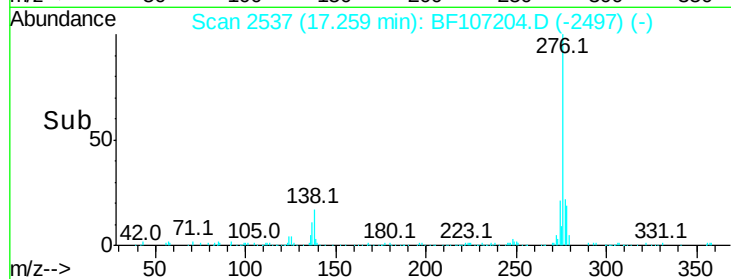
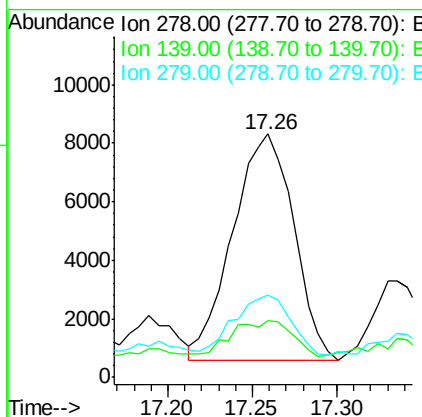
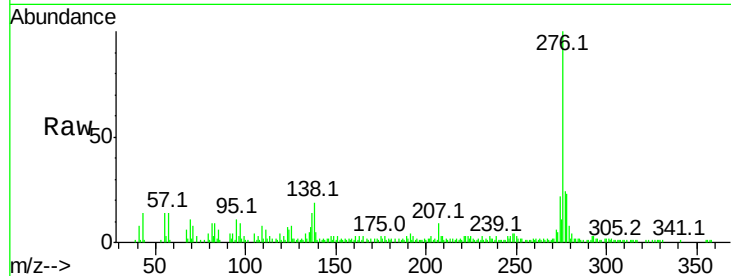
#90
Dibenzo(a,h)anthracene
Concen: 3.329 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.06 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-22

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.5	15.9	23.9
279	33.8	19.0	28.4

Manual Integrations
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7/9/2018 2:06:20 PM



#91
Benzo(g,h,i)perylene
Concen: 11.625 ng
RT: 17.74 min Scan# 2619
Delta R.T. -0.05 min
Lab File: BF107204.D
Acq: 7 Jul 2018 14:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	20.7	21.8	32.8

