

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF011218\
 Data File : BF102051.D
 Acq On : 12 Jan 2018 19:01
 Operator : SJ/JU
 Sample : J1107-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CLASS-2

Manual Integrations
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 1/15/2018 4:23:00 PM

Quant Time: Jan 13 00:51:06 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	206057	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	475310	20.00	ng	0.02
38) Acenaphthene-d10	9.79	164	150033	20.00	ng	0.03
63) Phenanthrene-d10	11.27	188	304818	20.00	ng	0.02
75) Chrysene-d12	13.90	240	301844	20.00	ng	0.02
86) Perylene-d12	15.33	264	259259	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1321522	90.56	ng	0.01
7) Phenol-d6	6.37	99	1473333	84.62	ng	0.00
23) Nitrobenzene-d5	7.30	82	844137	104.36	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	152238	116.27	ng	0.02
44) 2-Fluorobiphenyl	9.11	172	548244	57.09	ng	0.02
78) Terphenyl-d14	12.84	244	544852	37.48	ng	0.01
Target Compounds						
10) Phenol	6.37	94	67831	3.447	ng	82
31) Naphthalene	8.05	128	77128	3.247	ng	# 53
37) 2-Methylnaphthalene	8.75	142	51072	3.266	ng	# 70
49) Dimethylphthalate	9.50	163	156946	13.040	ng	# 71
51) Acenaphthene	9.83	154	59168	5.973	ng	# 83
54) Dibenzofuran	10.00	168	70013m	5.150	ng	
57) Fluorene	10.33	166	110152	11.721	ng	# 73
70) Phenanthrene	11.29	178	513800	28.856	ng	# 95
71) Anthracene	11.34	178	204247	11.311	ng	# 81
74) Fluoranthene	12.48	202	666676	38.056	ng	98
77) Pyrene	12.70	202	839370	31.459	ng	97
80) Benzo(a)anthracene	13.89	228	487207	25.298	ng	# 94
82) Chrysene	13.92	228	455952m	22.705	ng	
83) Bis(2-ethylhexyl)phthalate	13.88	149	70149	4.994	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.72	276	202624	13.863	ng	96
87) Benzo(b)fluoranthene	14.92	252	473878m	28.033	ng	
88) Benzo(k)fluoranthene	14.94	252	182720m	11.205	ng	
89) Benzo(a)pyrene	15.27	252	394127	25.909	ng	# 91
90) Dibenzo(a,h)anthracene	16.72	278	54736	4.509	ng	# 78
91) Benzo(g,h,i)perylene	17.13	276	211193	17.271	ng	93

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

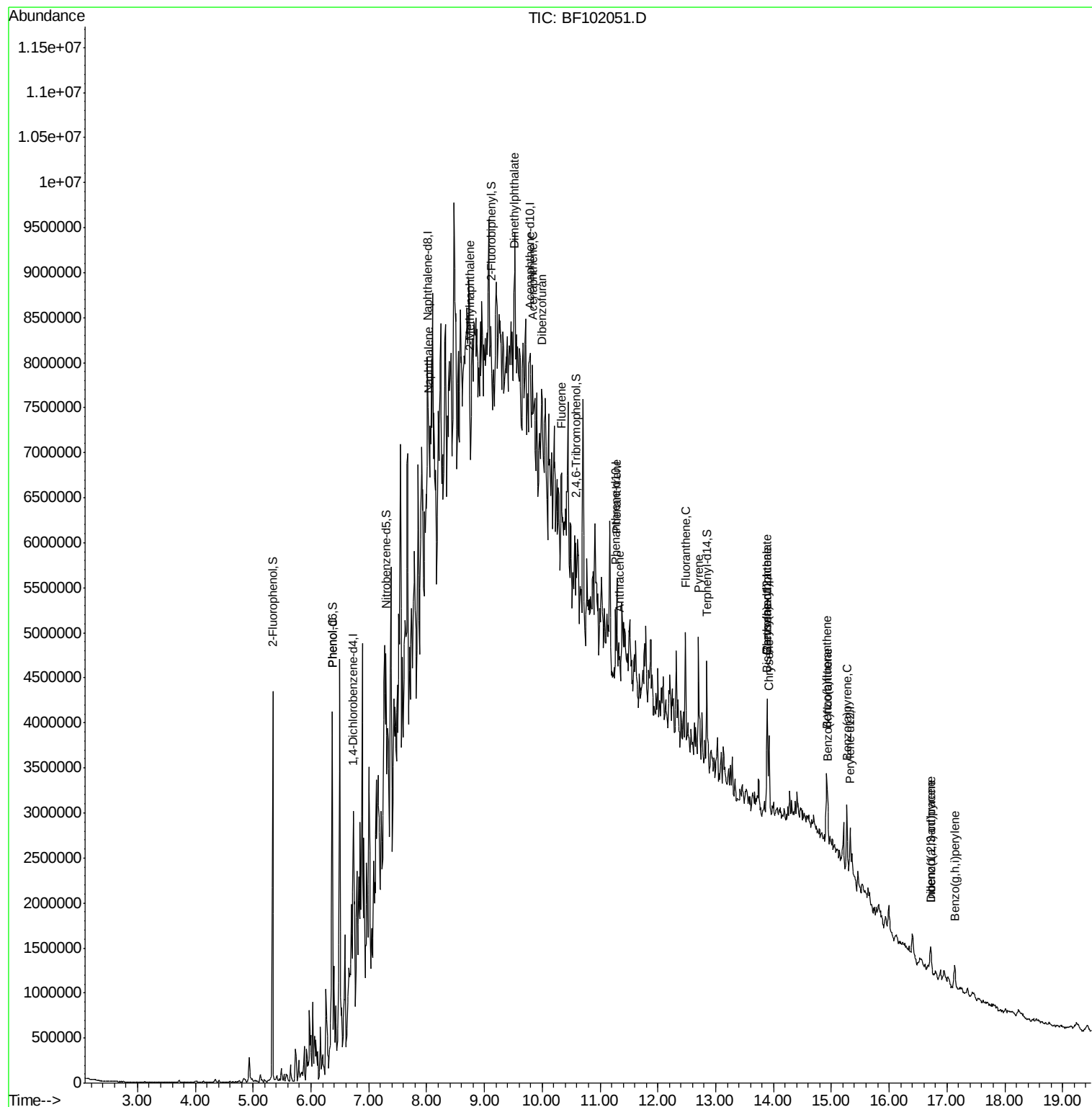
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Data File : BF102051.D
Acq On : 12 Jan 2018 19:01
Operator : SJ/JU
Sample : J1107-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

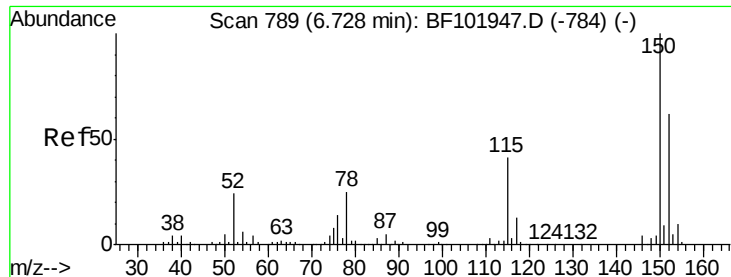
Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-2

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Quant Time: Jan 13 00:51:06 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
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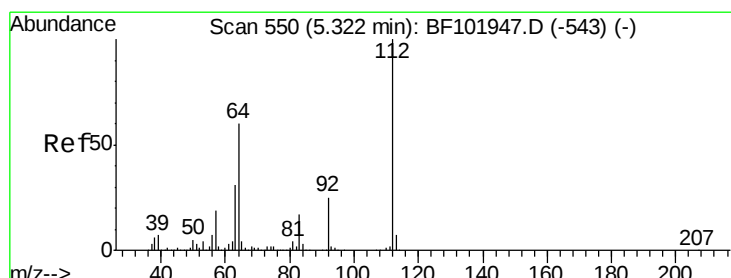
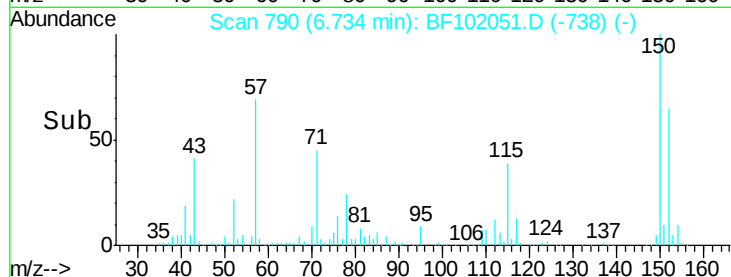
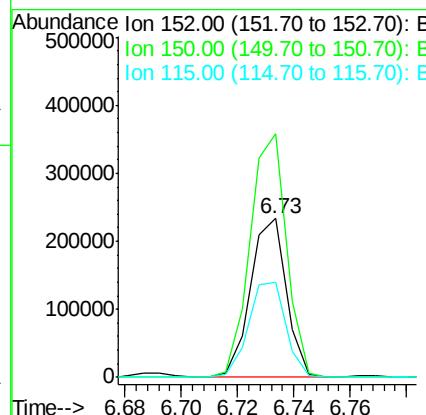
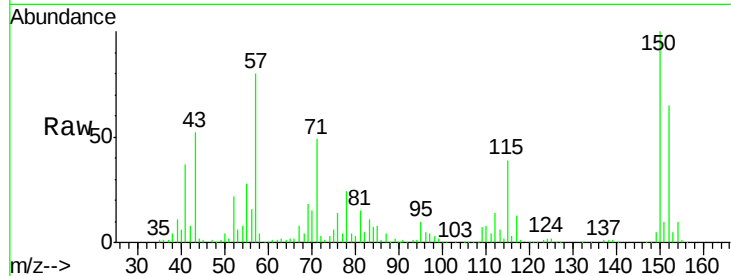
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. 0.01 min
 Lab File: BF102051.D
 Acq: 12 Jan 2018 19:01

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CLASS-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	59.6	50.1	75.1

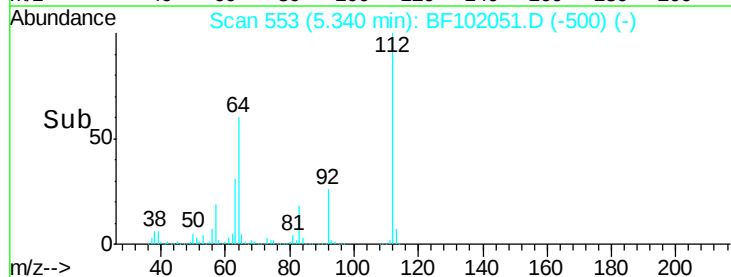
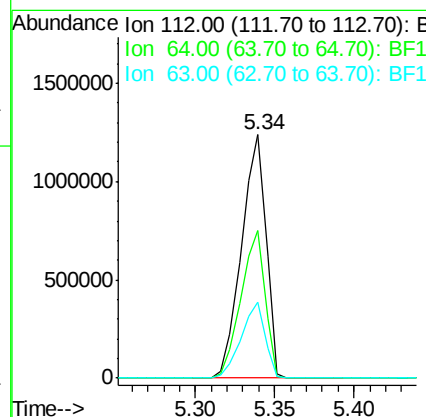
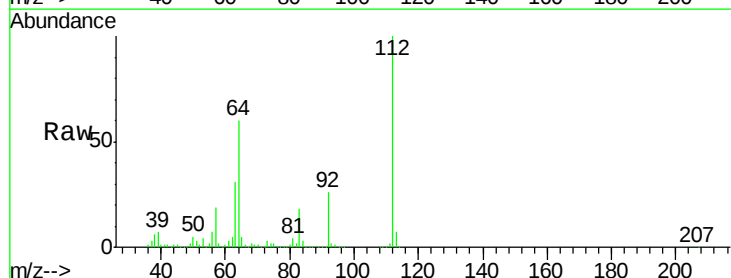
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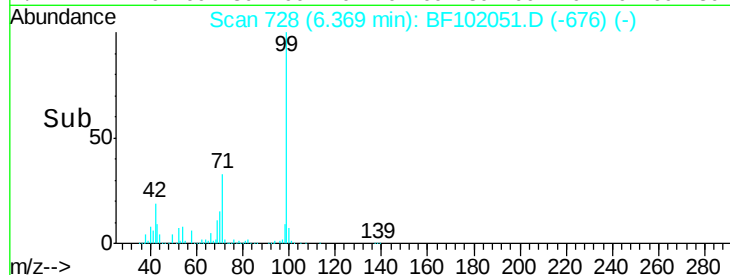
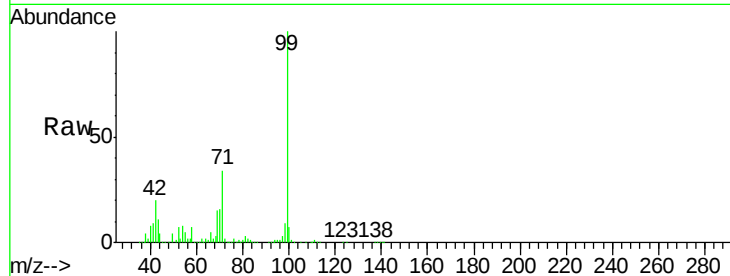
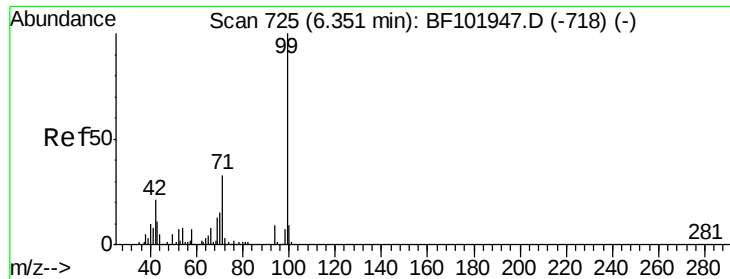
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#5
 2-Fluorophenol
 Concen: 90.562 ng
 RT: 5.34 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF102051.D
 Acq: 12 Jan 2018 19:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.9	71.9
63	31.1	23.7	35.5





#7

Phenol-d6

Concen: 84.624 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Tgt Ion:	99	Resp:	1473333
Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.5	21.7
71	33.8	25.4	38.0

Instrument :

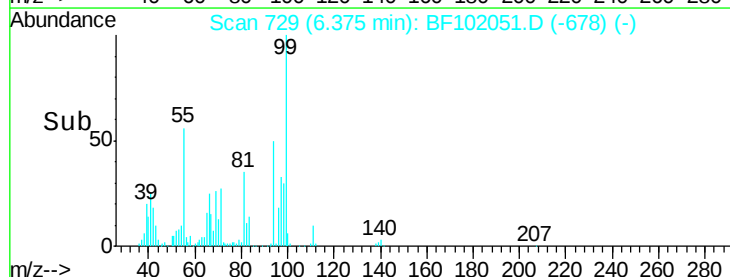
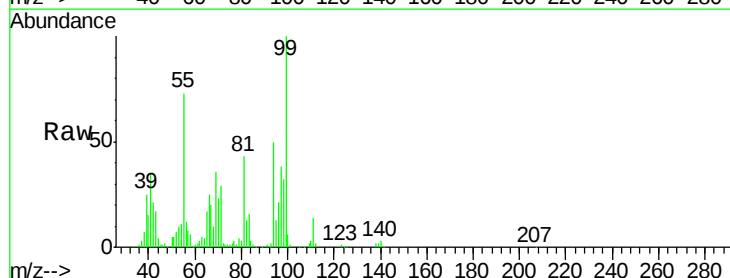
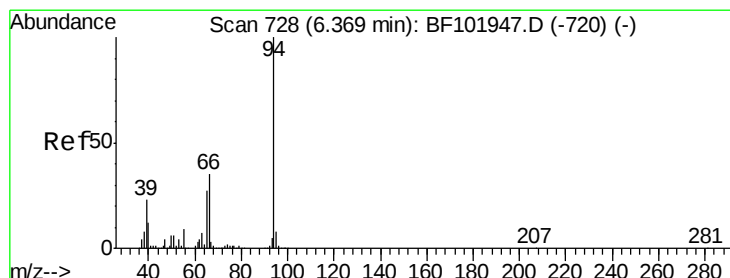
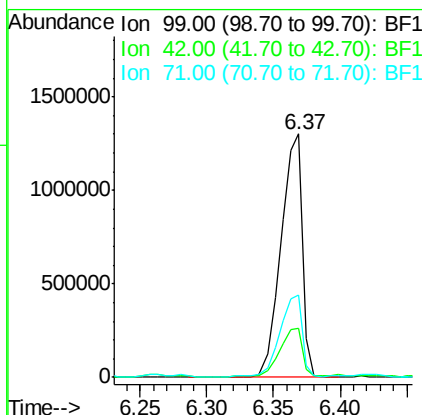
BNA_F

ClientSampleId :

WASTE-CLASS-2

Manual Integrations
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#10

Phenol

Concen: 3.447 ng

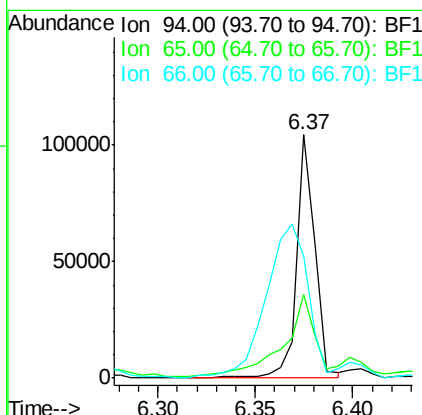
RT: 6.37 min Scan# 729

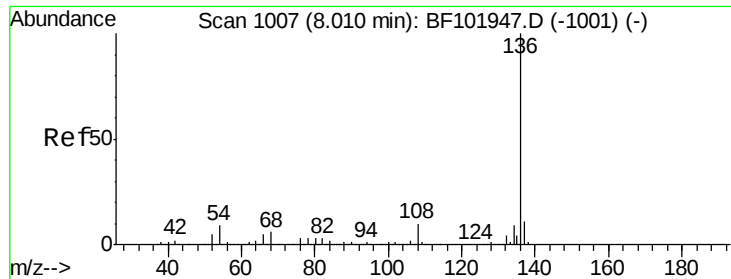
Delta R.T. -0.00 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Tgt Ion:	94	Resp:	67831
Ion	Ratio	Lower	Upper
94	100		
65	34.4	7.9	47.9
66	49.9	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.02 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Instrument :

BNA_F

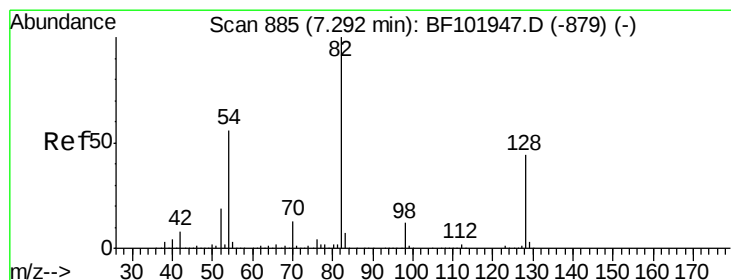
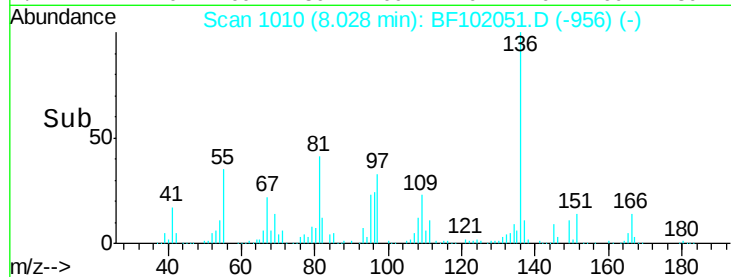
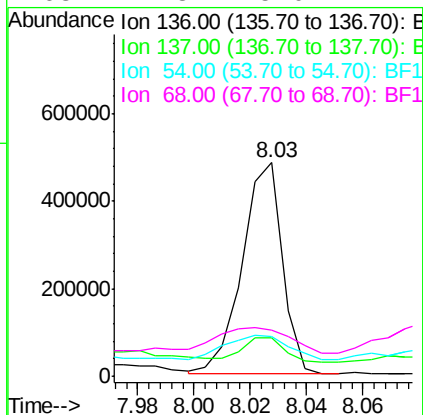
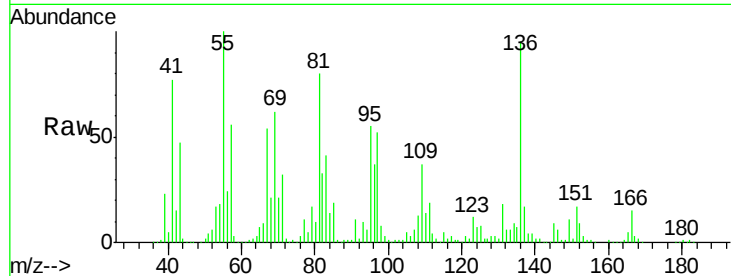
ClientSampleId :

WASTE-CLASS-2

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	17.8	8.9	13.3#
54	18.7	6.6	9.8#
68	21.8	5.0	7.4#

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#23

Nitrobenzene-d5

Concen: 104.363 ng

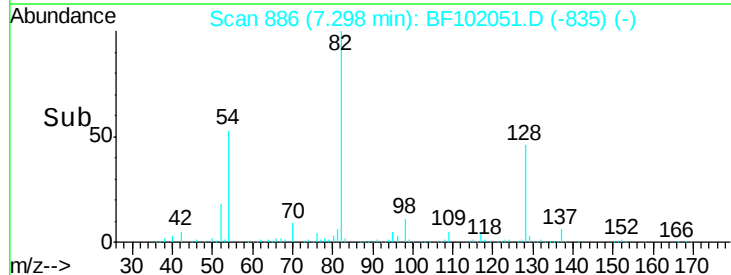
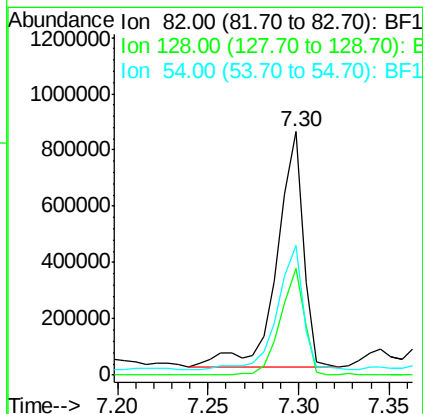
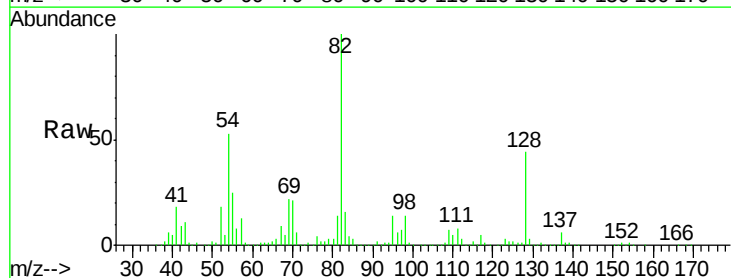
RT: 7.30 min Scan# 886

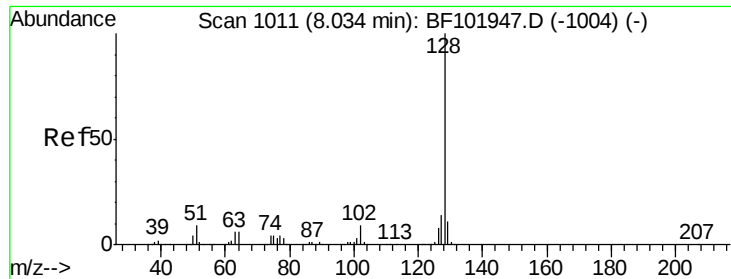
Delta R.T. -0.00 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.0	36.1	54.1
54	53.0	41.4	62.2





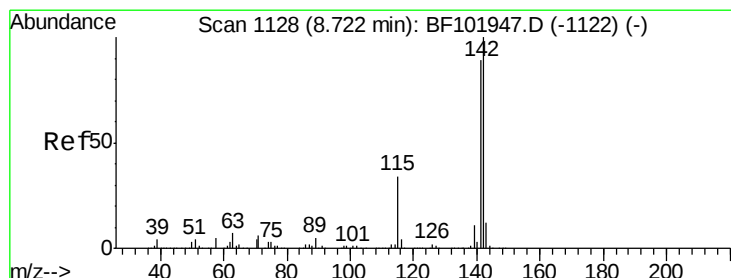
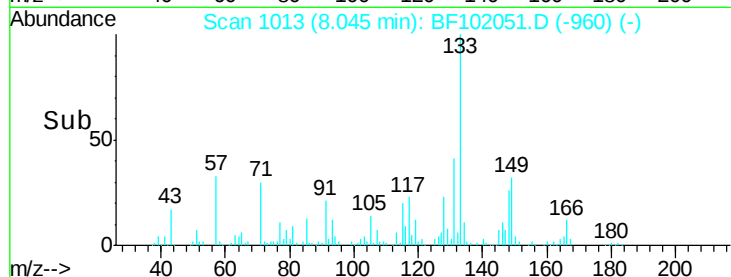
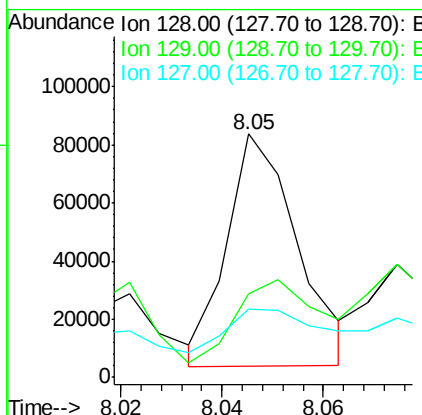
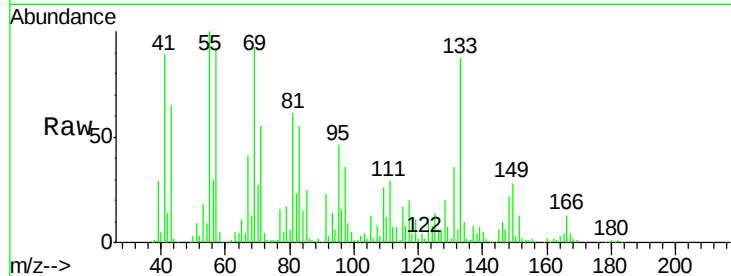
#31
Naphthalene
Concen: 3.247 ng
RT: 8.05 min Scan# 1013
Delta R.T. 0.01 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-2

Tgt Ion	Ratio	Lower	Upper
128	100		
129	34.1	8.8	13.2#
127	28.2	10.9	16.3#

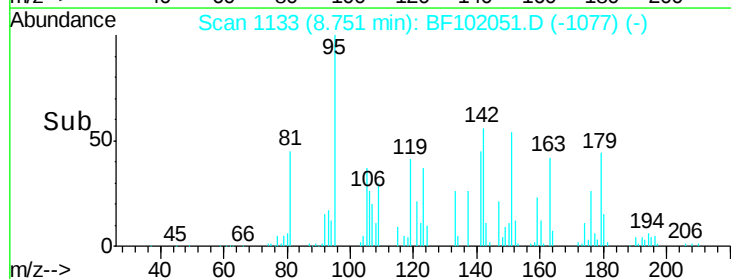
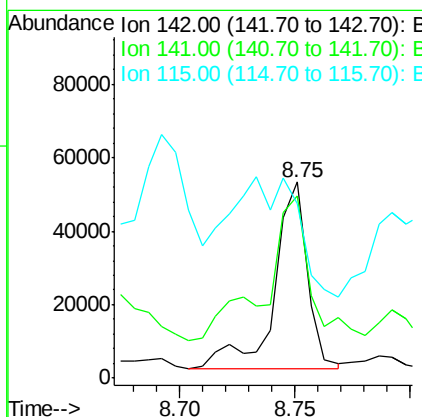
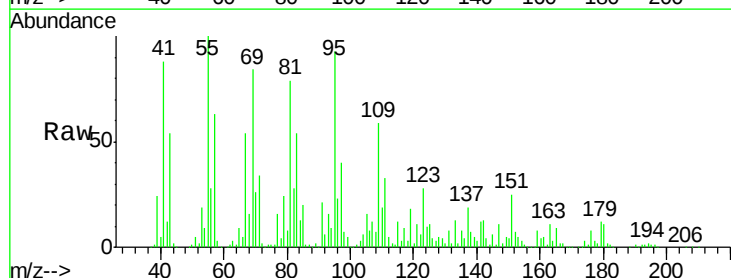
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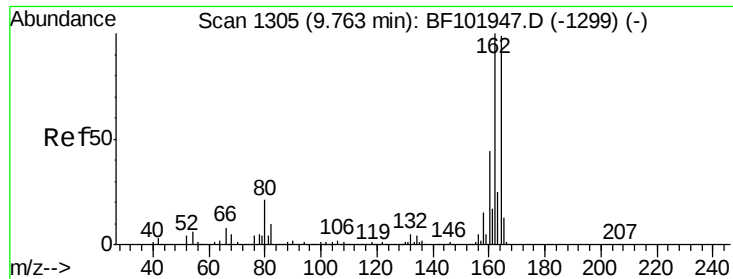
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#37
2-Methylnaphthalene
Concen: 3.266 ng
RT: 8.75 min Scan# 1133
Delta R.T. 0.03 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	70.8	106.2
115	88.8	26.1	39.1#





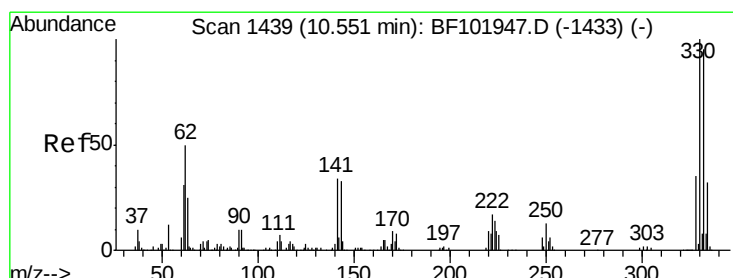
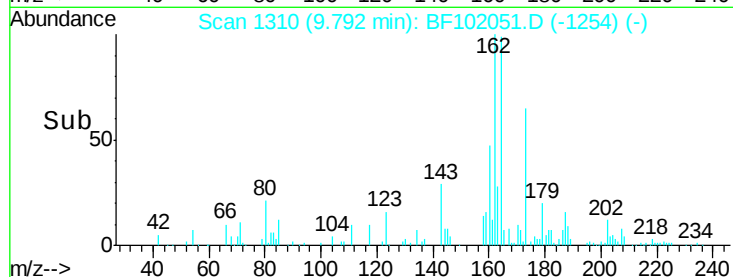
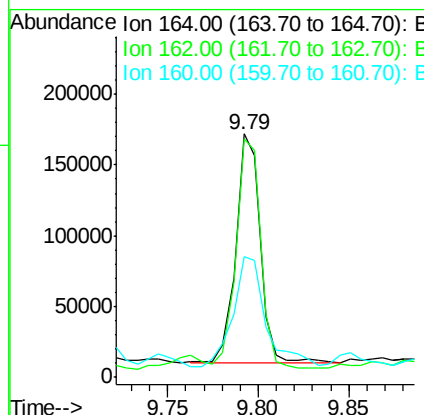
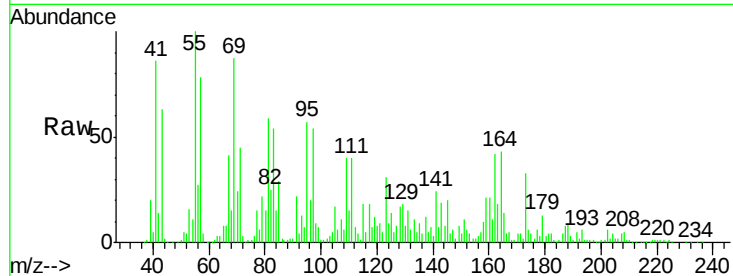
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1310
Delta R.T. 0.03 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-2

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	150033		
162	97.8	86.1	129.1	
160	49.4	38.3	57.5	

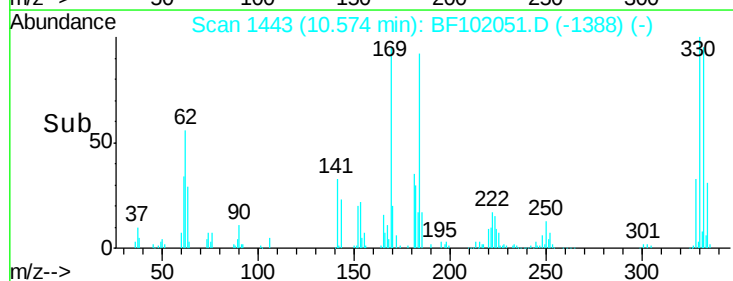
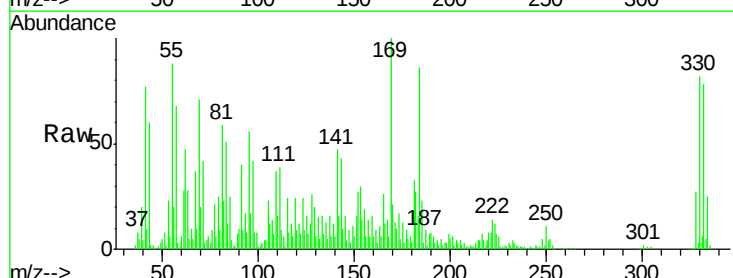
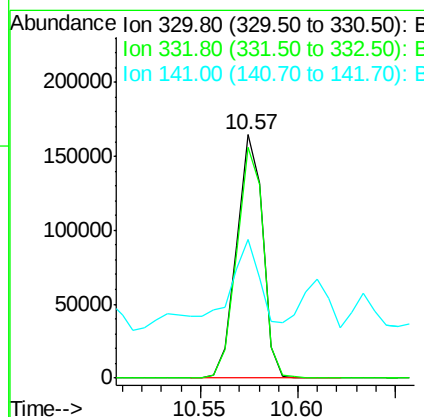
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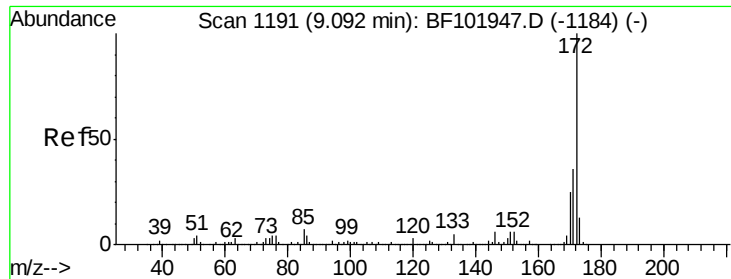
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#41
2,4,6-Tribromophenol
Concen: 116.273 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.02 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	152238		
332	97.0	77.0	115.6	
141	33.7	29.9	44.9	





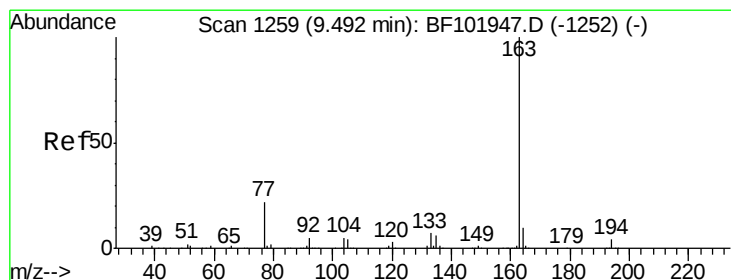
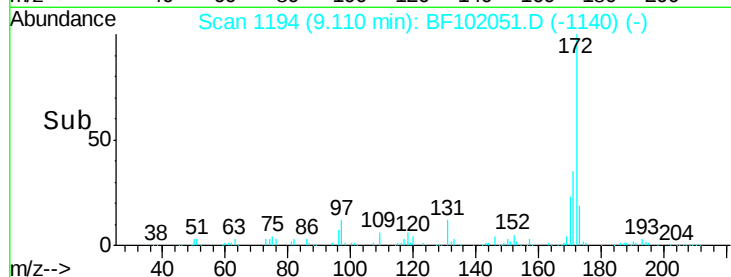
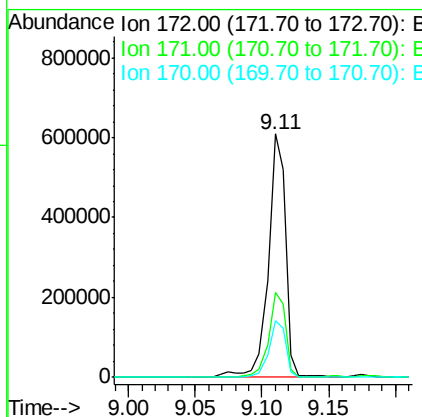
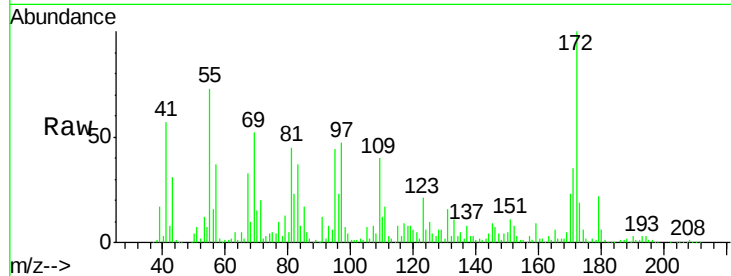
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2-Fluorobiphenyl
Concen: 57.088 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.02 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-2

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	548244		
171	34.9	29.7	44.5	
170	23.2	19.6	29.4	

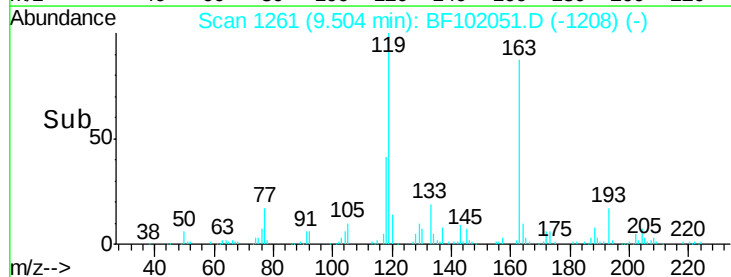
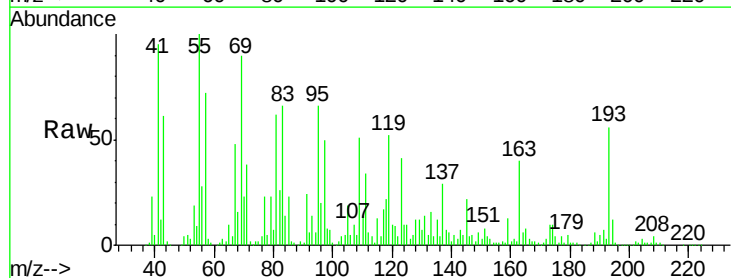
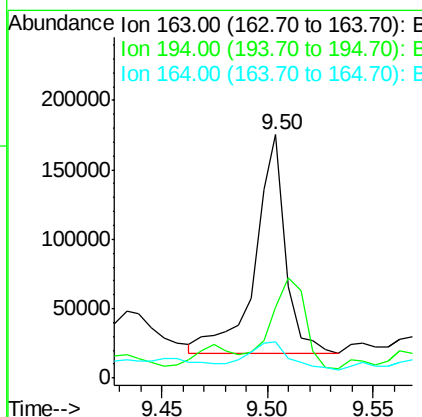
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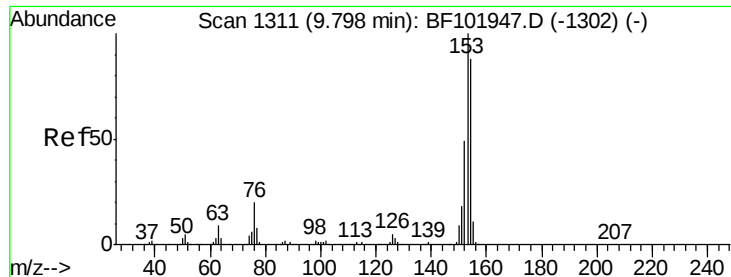
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#49
Dimethylphthalate
Concen: 13.040 ng
RT: 9.50 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	156946		
194	28.9	2.7	4.1#	
164	15.1	8.2	12.2#	





#51

Acenaphthene

Concen: 5.973 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.03 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Instrument :

BNA_F

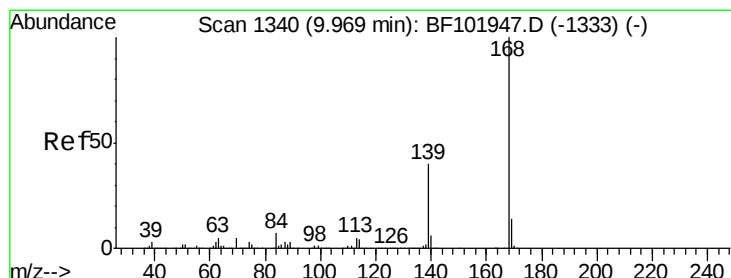
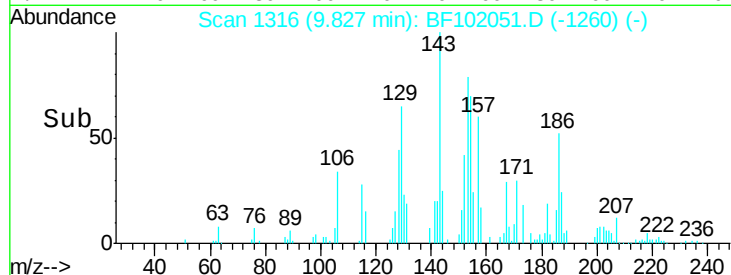
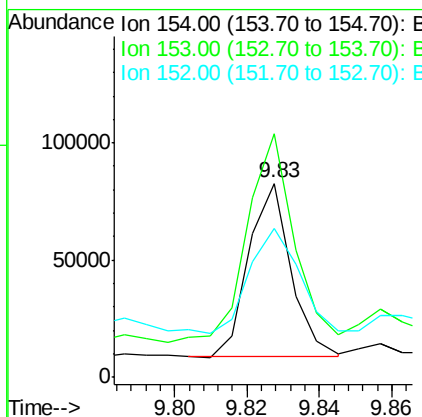
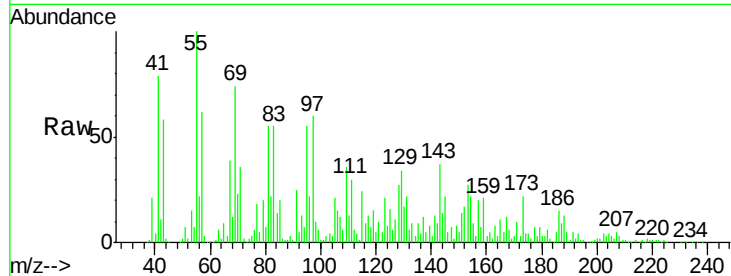
ClientSampleId :

WASTE-CLASS-2

Tgt Ion:	154	Resp:	59168
Ion Ratio	Lower	Upper	
154	100		
153	125.3	91.2	136.8
152	76.7	43.8	65.8#

Manual Integrations
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#54

Dibenzofuran

Concen: 5.150 ng m

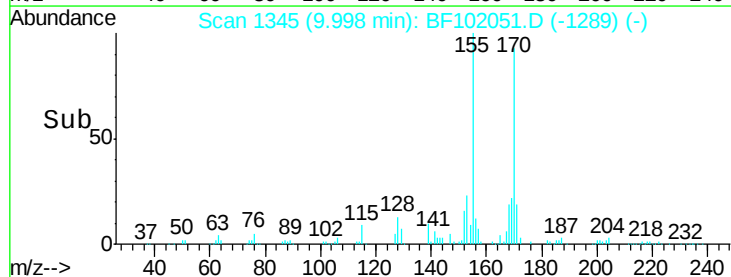
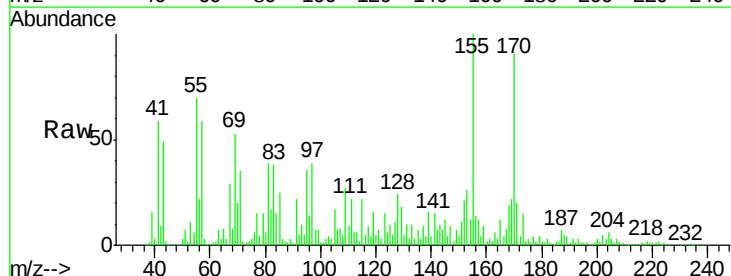
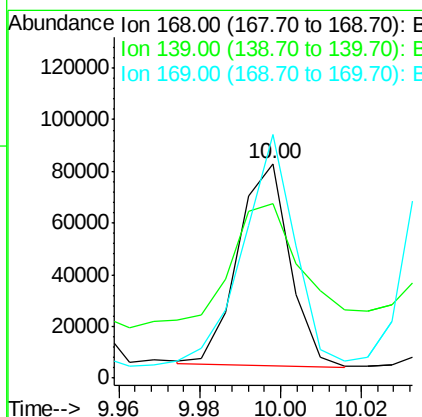
RT: 10.00 min Scan# 1345

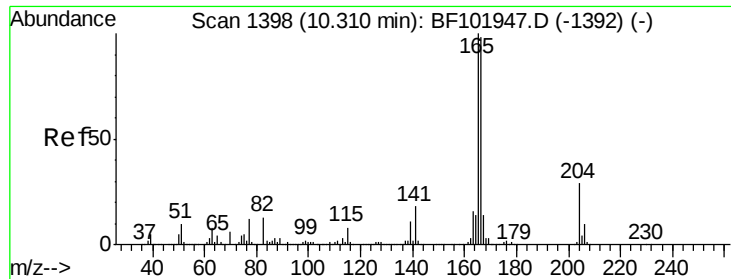
Delta R.T. 0.03 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Tgt Ion:	168	Resp:	70013
Ion Ratio	Lower	Upper	
168	100		
139	81.6	30.1	45.1#
169	113.6	10.9	16.3#





#57

Fluorene

Concen: 11.721 ng

RT: 10.33 min Scan# 1402

Delta R.T. 0.02 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Instrument :

BNA_F

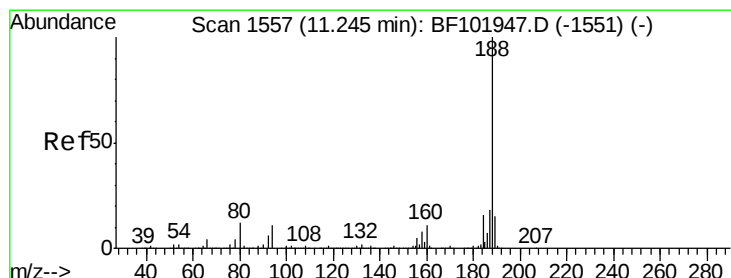
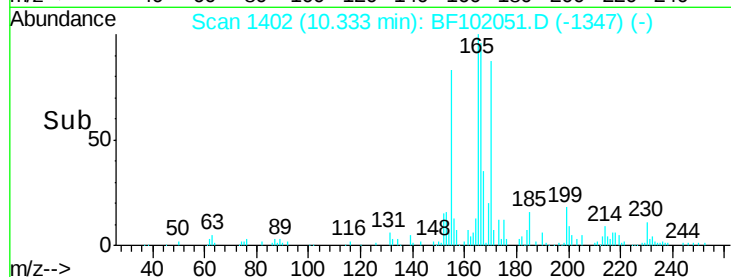
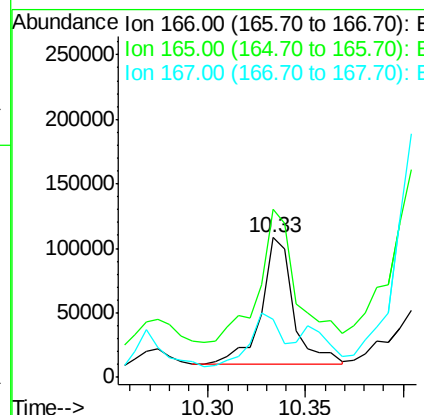
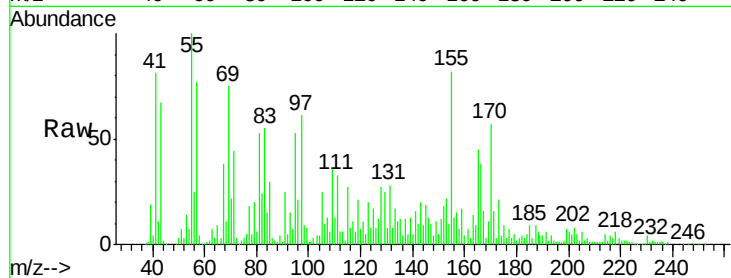
ClientSampleId :

WASTE-CLASS-2

Tgt Ion:166 Resp: 110152
 Ion Ratio Lower Upper
 166 100
 165 120.7 79.8 119.8#
 167 42.0 10.6 16.0#

Manual Integrations
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Sohil
 1/15/2018 4:23:00 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

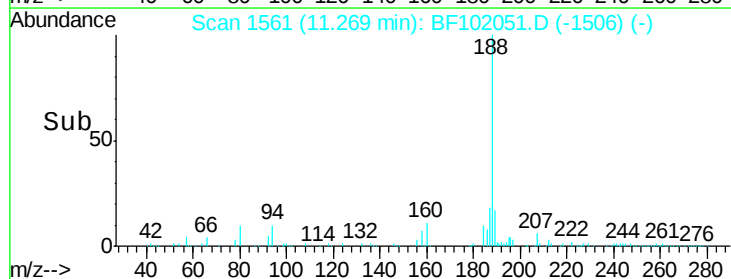
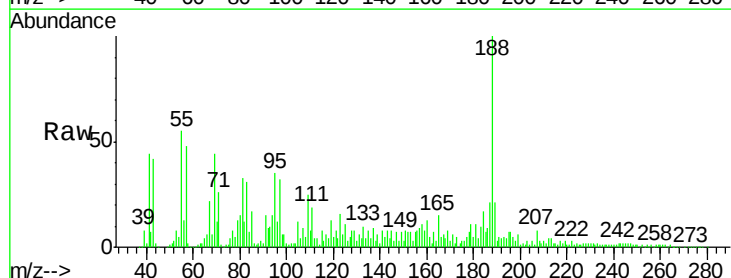
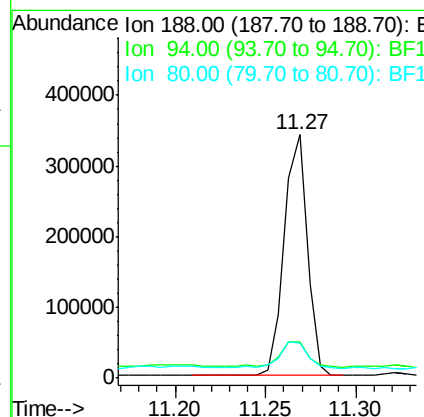
RT: 11.27 min Scan# 1561

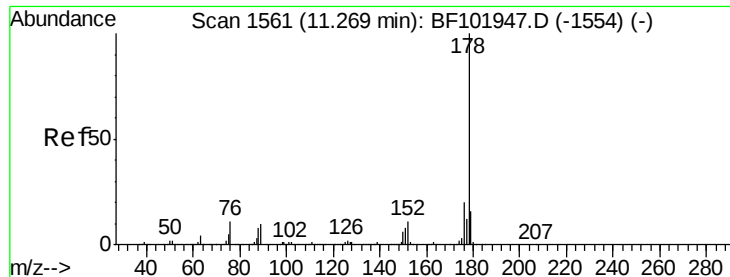
Delta R.T. 0.02 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Tgt Ion:188 Resp: 304818
 Ion Ratio Lower Upper
 188 100
 94 14.7 8.5 12.7#
 80 14.6 9.2 13.8#





#70

Phenanthrene

Concen: 28.856 ng

RT: 11.29 min Scan# 1565

Delta R.T. 0.02 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Instrument :

BNA_F

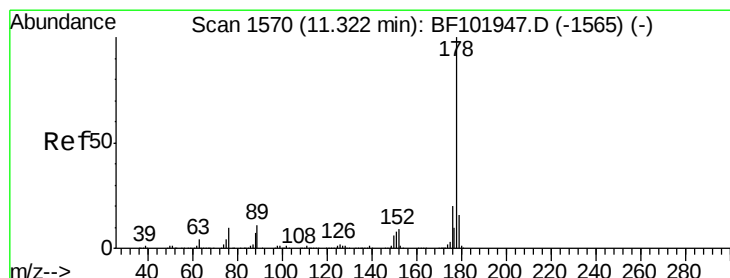
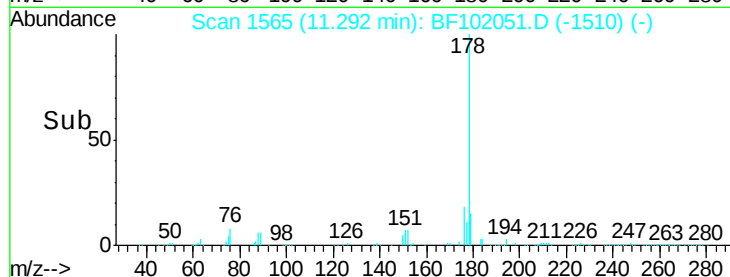
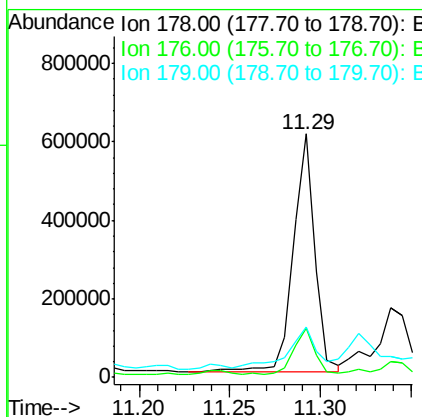
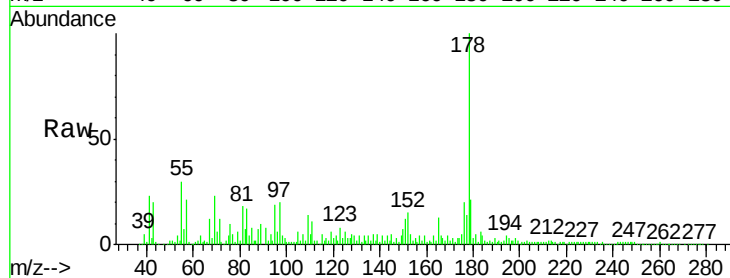
ClientSampleId :

WASTE-CLASS-2

Tgt Ion:	178	Resp:	513800
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.8	23.8
179	20.6	13.0	19.6#

Manual Integrations
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#71

Anthracene

Concen: 11.311 ng

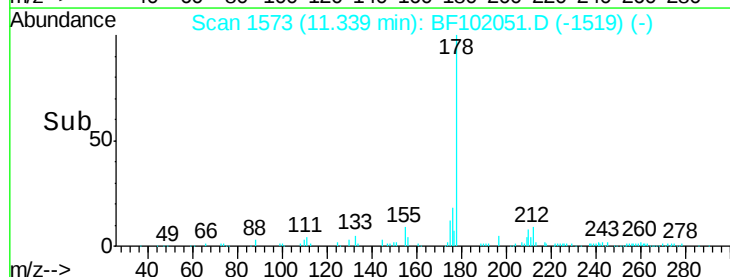
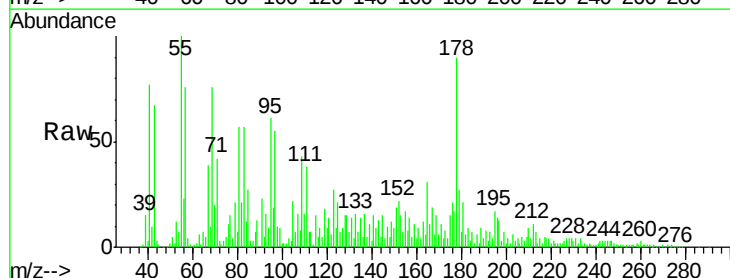
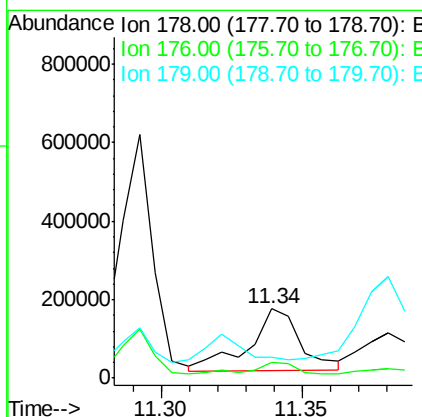
RT: 11.34 min Scan# 1573

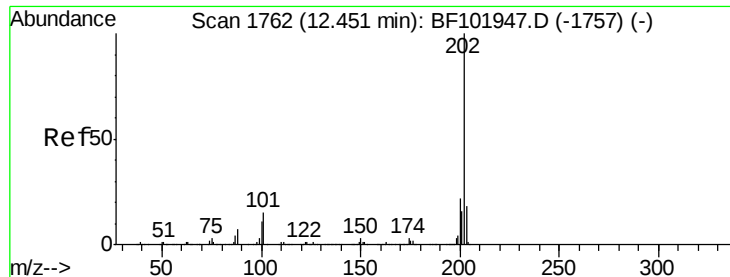
Delta R.T. 0.02 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Tgt Ion:	178	Resp:	204247
Ion Ratio	Lower	Upper	
178	100		
176	23.0	15.4	23.2
179	29.5	12.6	19.0#





#74

Fluoranthene

Concen: 38.056 ng

RT: 12.48 min Scan# 1767

Delta R.T. 0.02 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Instrument :

BNA_F

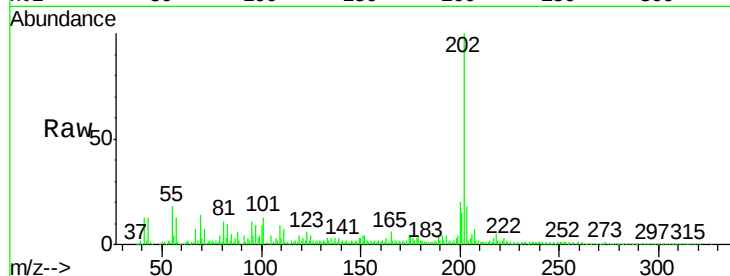
ClientSampleId :

WASTE-CLASS-2

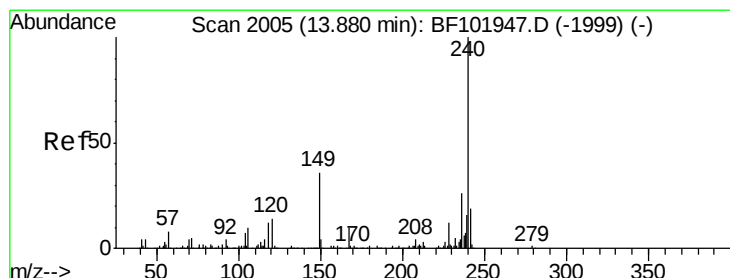
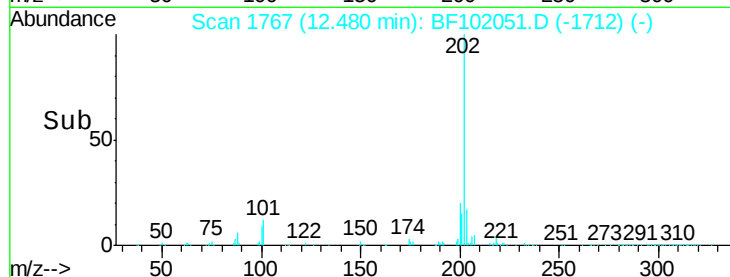
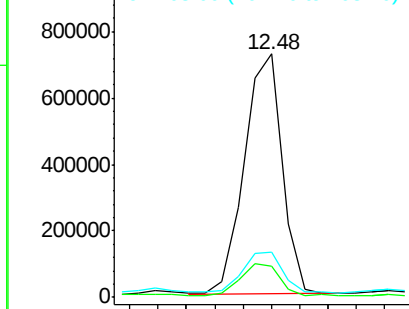
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		666676		
101	12.7	0.0	34.1		
203	18.4	0.0	38.1		

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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

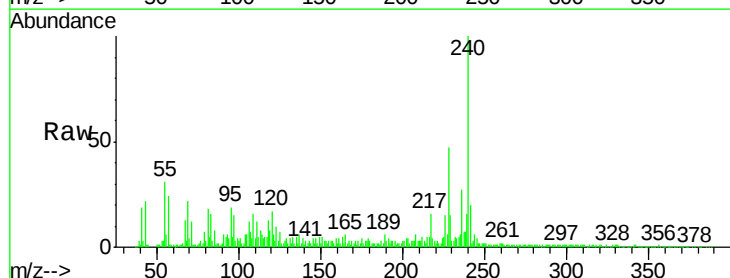
RT: 13.90 min Scan# 2008

Delta R.T. 0.02 min

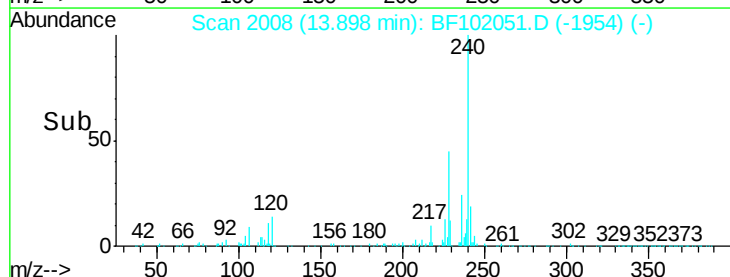
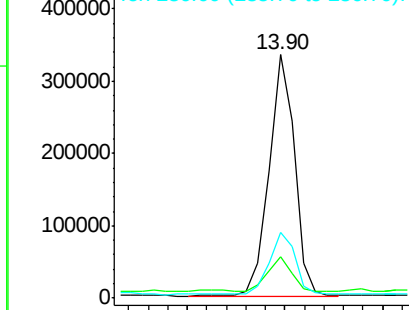
Lab File: BF102051.D

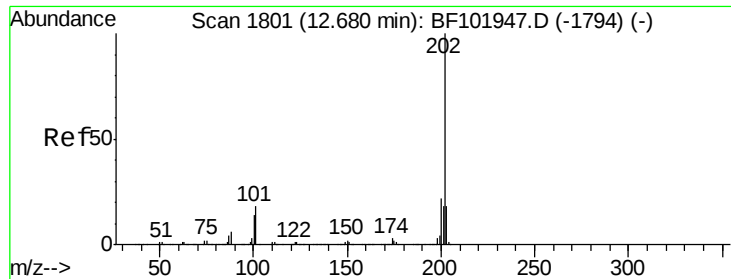
Acq: 12 Jan 2018 19:01

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		301844		
120	16.9	9.5	14.3#		
236	26.7	20.7	31.1		



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





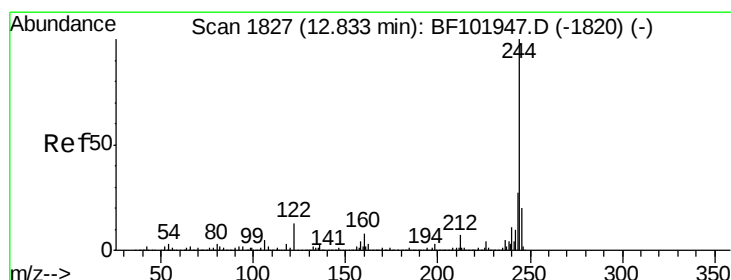
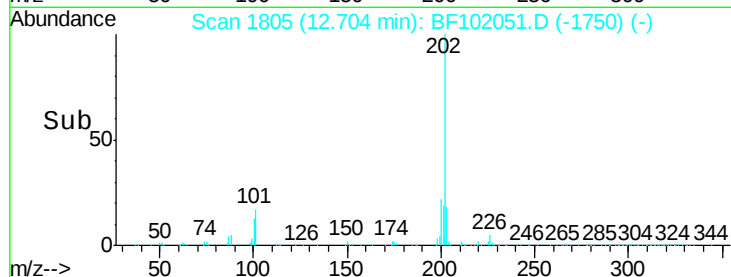
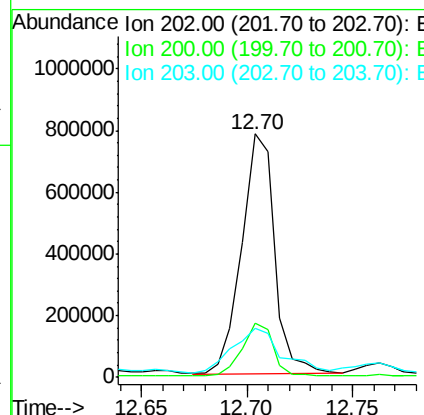
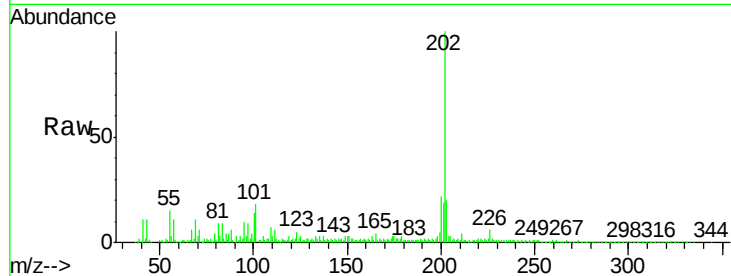
#77
 Pyrene
 Concen: 31.459 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. 0.02 min
 Lab File: BF102051.D
 Acq: 12 Jan 2018 19:01

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CLASS-2

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	839370		
200	22.0	17.4	26.2	
203	20.1	14.3	21.5	

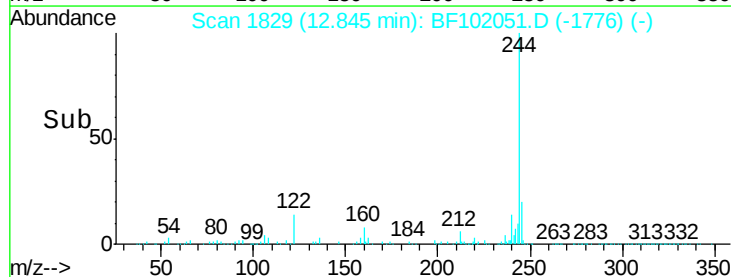
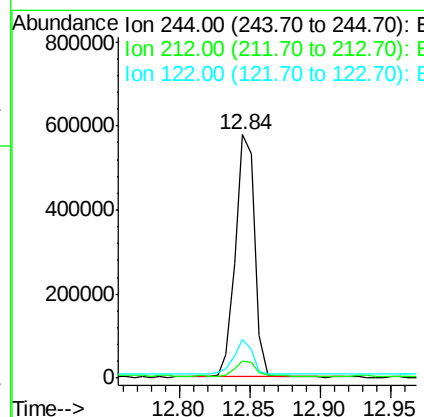
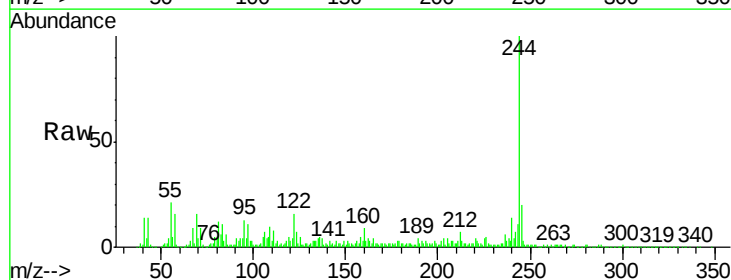
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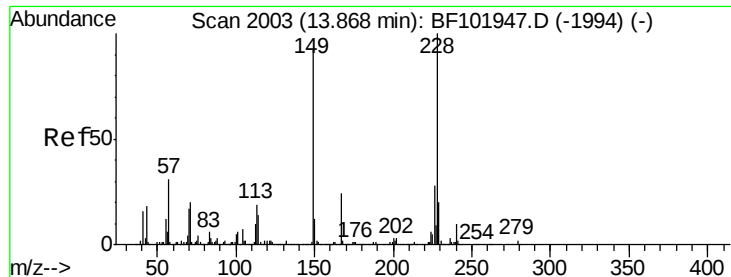
Sohil
 1/15/2018 4:23:00 PM



#78
 Terphenyl-d14
 Concen: 37.478 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. 0.01 min
 Lab File: BF102051.D
 Acq: 12 Jan 2018 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	544852		
212	6.9	5.4	8.0	
122	15.9	11.0	16.4	





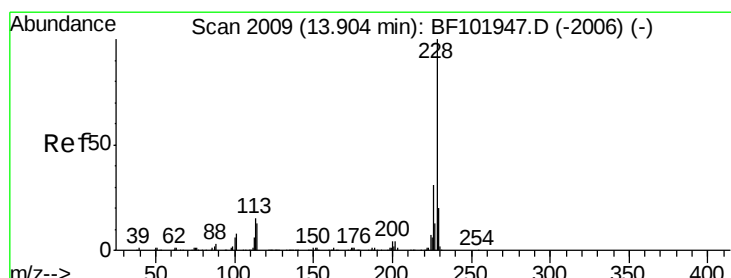
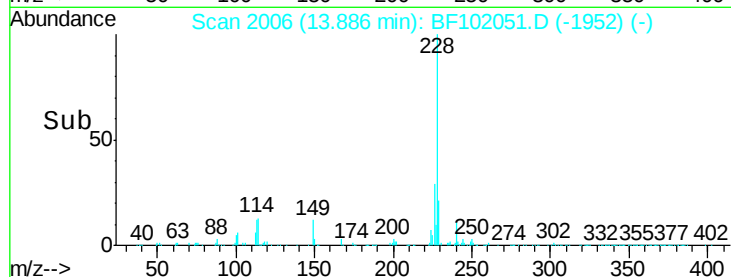
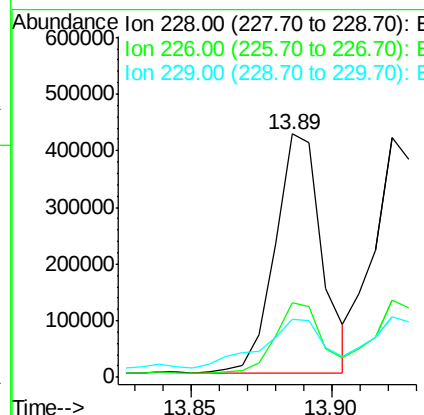
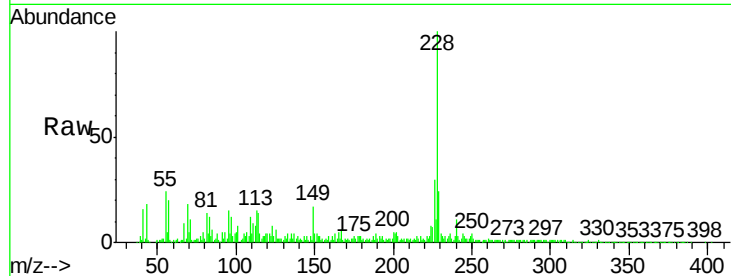
#80
Benzo(a)anthracene
Concen: 25.298 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.02 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	23.8	15.8	23.6

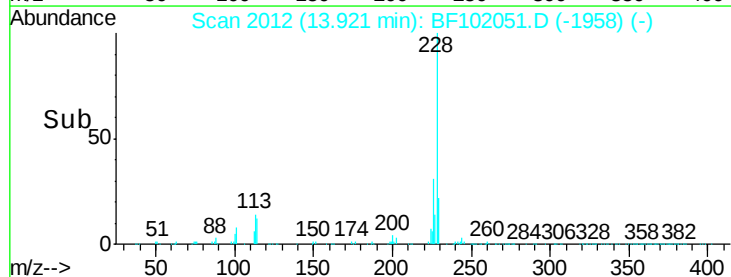
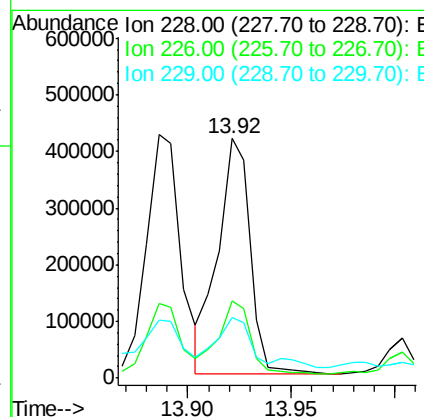
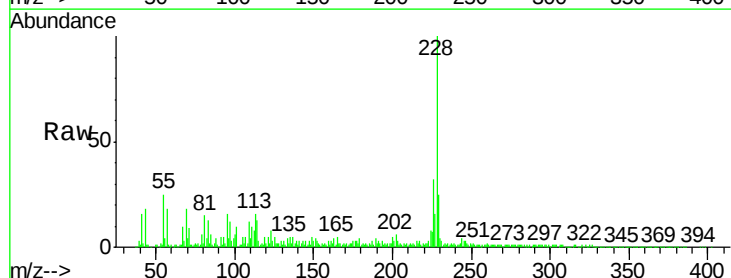
Manual Integrations
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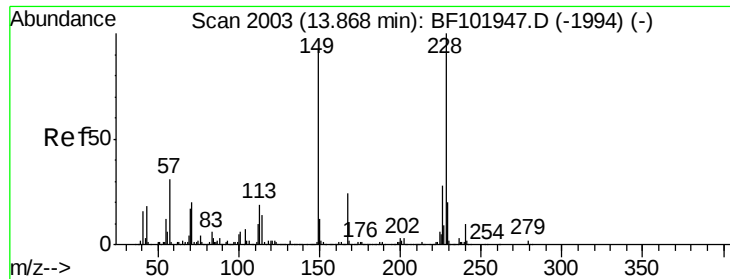
Sohil
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#82
Chrysene
Concen: 22.705 ng m
RT: 13.92 min Scan# 2012
Delta R.T. 0.02 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.0	37.6
229	25.4	16.2	24.4





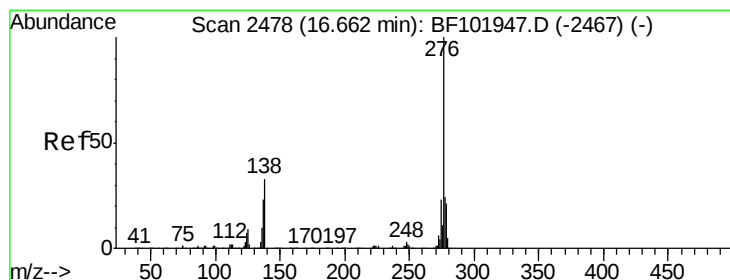
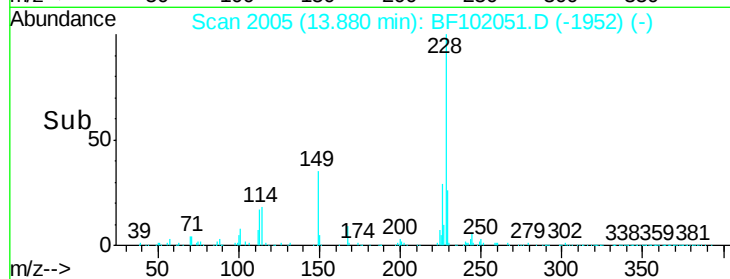
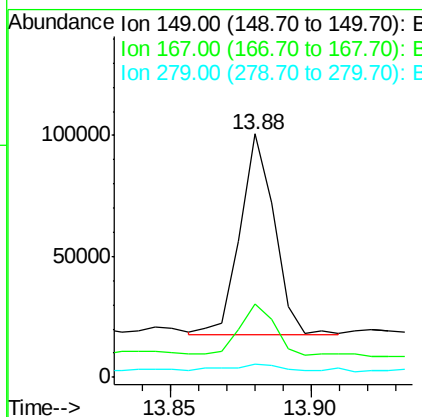
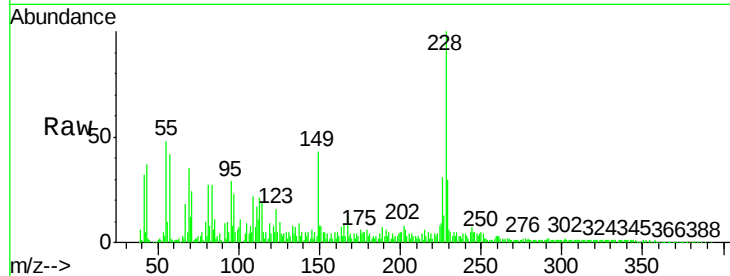
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.994 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BF102051.D
 Acq: 12 Jan 2018 19:01

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CLASS-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	29.9	21.3	31.9
279	5.3	3.0	4.4

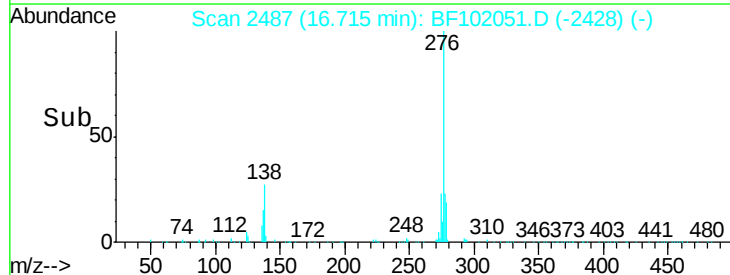
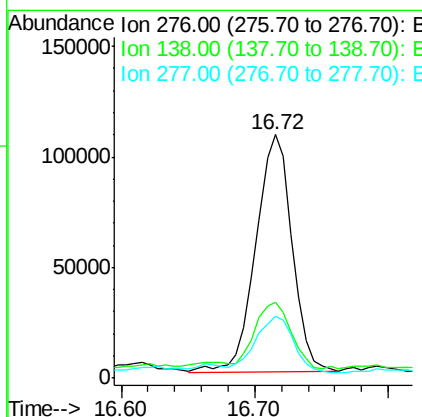
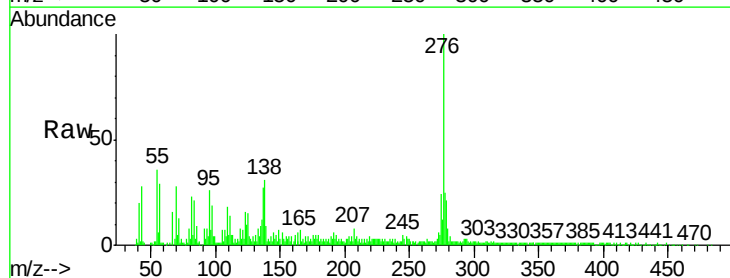
Manual Integrations
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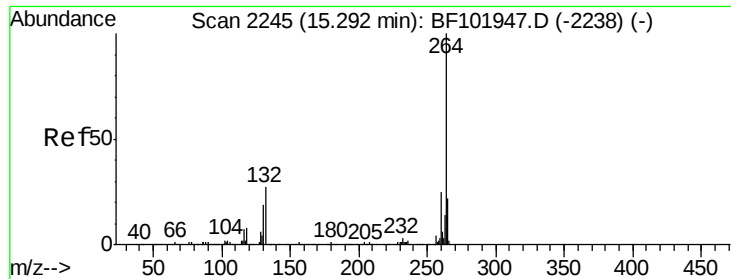
Sohil
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.863 ng
 RT: 16.72 min Scan# 2487
 Delta R.T. 0.05 min
 Lab File: BF102051.D
 Acq: 12 Jan 2018 19:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.7	25.0	37.6
277	24.5	20.1	30.1





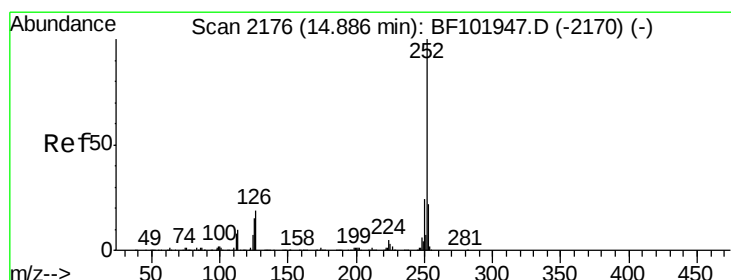
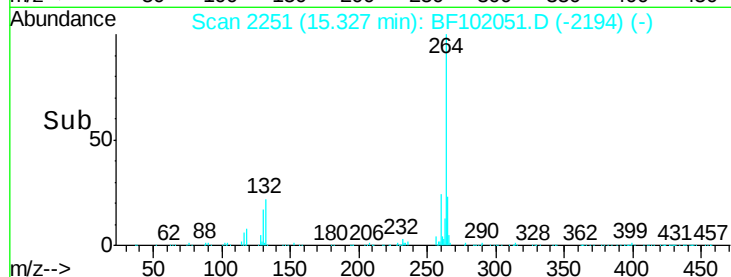
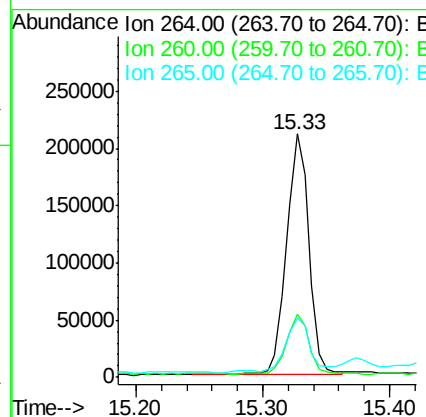
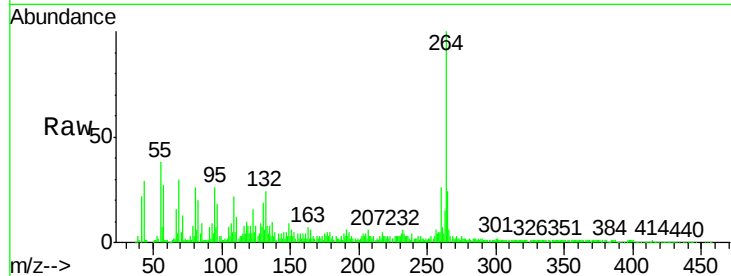
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.04 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-2

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	259259		
260	25.7	19.2	28.8	
265	24.5	17.5	26.3	

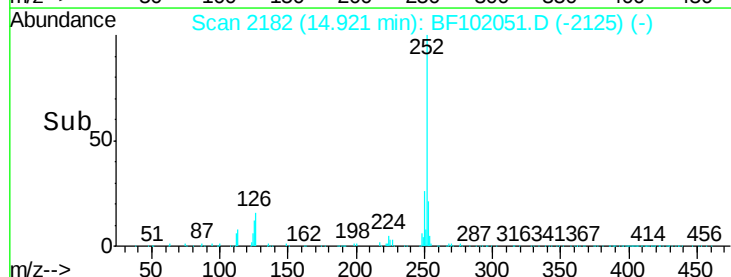
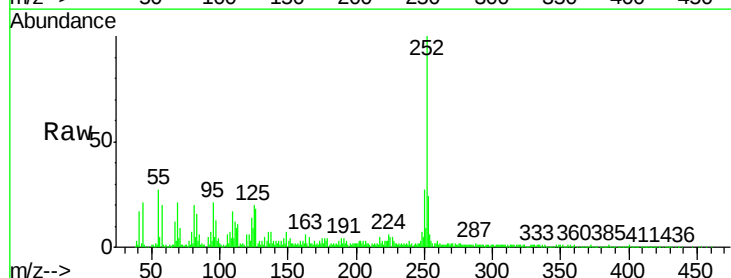
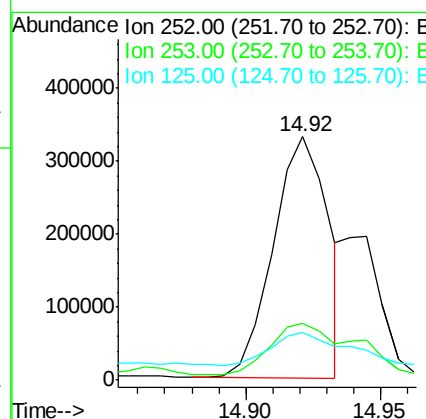
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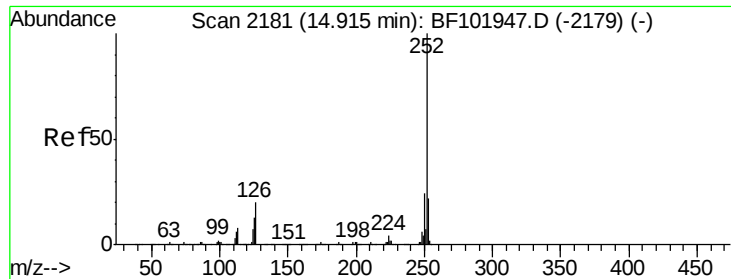
Sohil
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#87
Benzo(b)fluoranthene
Concen: 28.033 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.04 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	473878		
253	23.5	17.0	25.6	
125	19.8	9.0	13.6	





#88

Benzo(k)fluoranthene

Concen: 11.205 ng m

RT: 14.94 min Scan# 2186

Delta R.T. 0.03 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Instrument :

BNA_F

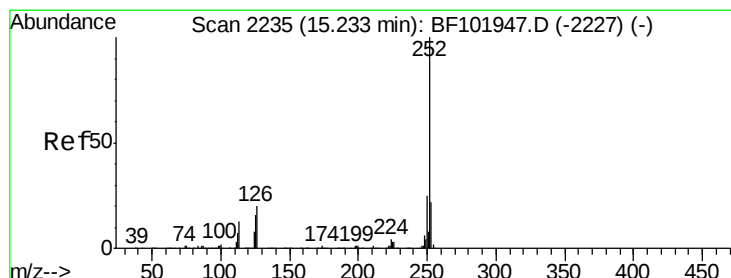
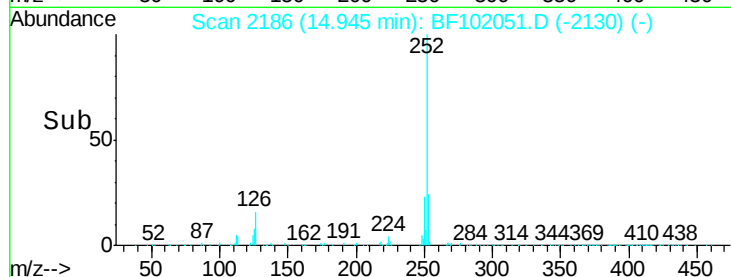
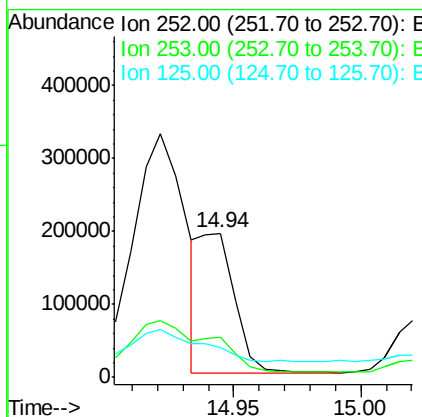
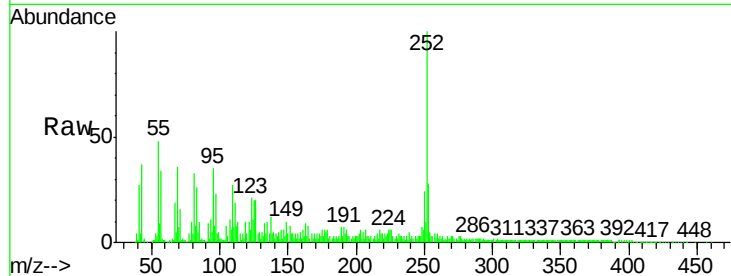
ClientSampleId :

WASTE-CLASS-2

Tgt Ion:	252	Resp:	182720
Ion Ratio	Lower	Upper	
252	100		
253	27.9	17.9	26.9#
125	20.3	10.2	15.2#

Manual Integrations
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1/15/2018 4:23:00 PM



#89

Benzo(a)pyrene

Concen: 25.909 ng

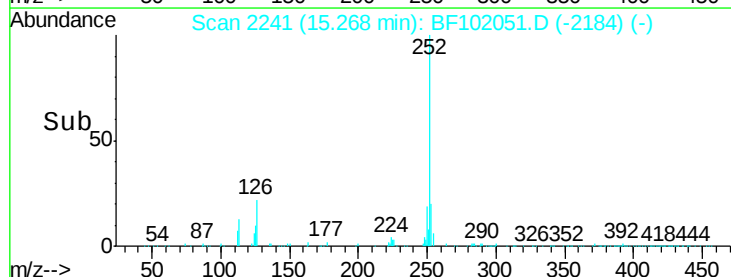
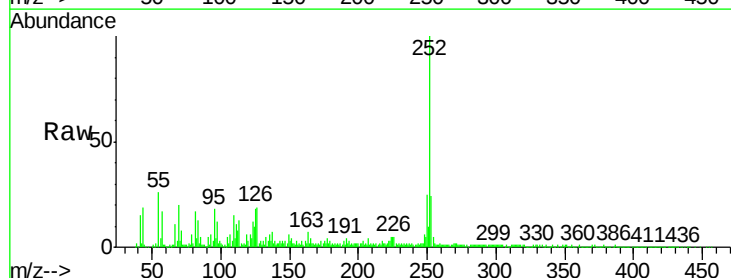
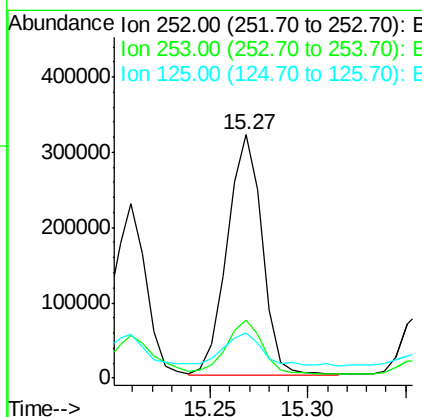
RT: 15.27 min Scan# 2241

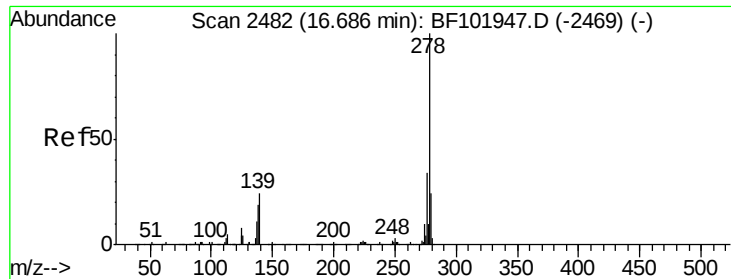
Delta R.T. 0.04 min

Lab File: BF102051.D

Acq: 12 Jan 2018 19:01

Tgt Ion:	252	Resp:	394127
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.1	25.7
125	18.4	9.8	14.6#





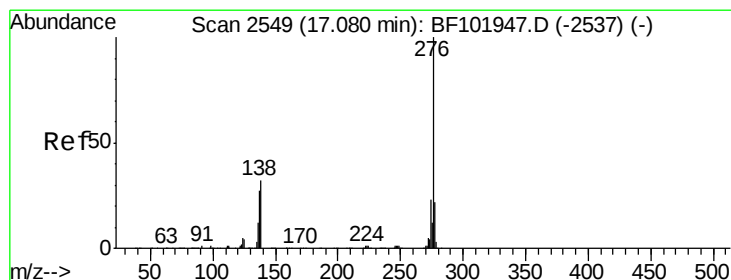
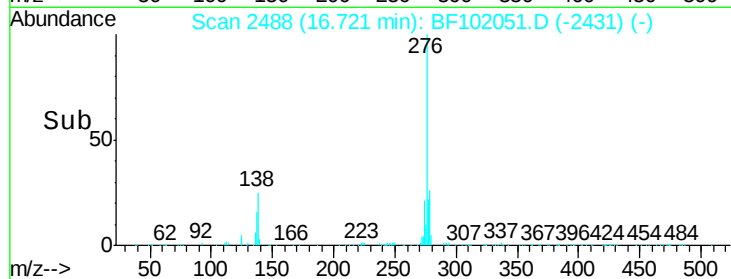
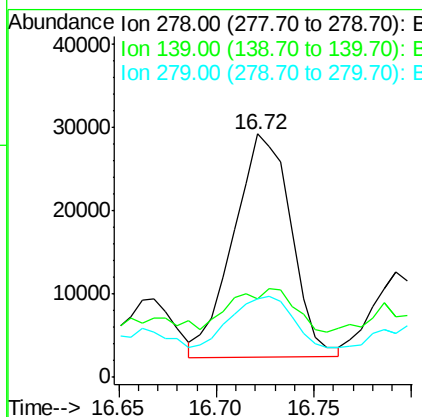
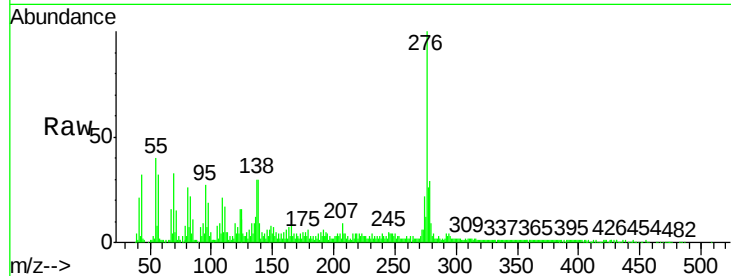
#90
Dibenzo(a,h)anthracene
Concen: 4.509 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.04 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-2

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.5	15.9	23.9#
279	32.5	19.0	28.4#

Manual Integrations
APPROVED

Sohil
1/15/2018 4:23:00 PM



#91
Benzo(g,h,i)perylene
Concen: 17.271 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.05 min
Lab File: BF102051.D
Acq: 12 Jan 2018 19:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	31.6	21.8	32.8

