

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
 Data File : BF108604.D
 Acq On : 29 Aug 2018 15:05
 Operator : JU/SJ
 Sample : J4661-02 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CLASS-HOT-SPOT

Manual Integrations
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 8/30/2018 12:18:33 PM

Quant Time: Aug 30 11:14:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	129824	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	518644	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	241431	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	401998	20.00	ng	0.00
75) Chrysene-d12	14.20	240	269448	20.00	ng	0.00
86) Perylene-d12	15.76	264	281267	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	212273m	29.60	ng	0.00
7) Phenol-d6	6.62	99	315627	33.12	ng	0.00
23) Nitrobenzene-d5	7.56	82	206283	22.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	68324	28.37	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	280291	18.64	ng	-0.01
78) Terphenyl-d14	13.12	244	180742	17.06	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.75	163	35309	2.100	ng	# 98
51) Acenaphthene	10.08	154	121241	8.900	ng	98
54) Dibenzofuran	10.25	168	71454	3.620	ng	99
57) Fluorene	10.59	166	99651	6.378	ng	100
70) Phenanthrene	11.57	178	1270309	66.997	ng	99
71) Anthracene	11.62	178	256045	13.175	ng	98
72) Carbazole	11.78	167	156449	9.061	ng	98
74) Fluoranthene	12.77	202	1711489	82.707	ng	96
77) Pyrene	13.00	202	1381097	80.961	ng	99
79) Butylbenzylphthalate	13.59	149	16335	2.411	ng	89
80) Benzo(a)anthracene	14.19	228	712205	46.057	ng	98
82) Chrysene	14.22	228	642077	45.290	ng	98
83) Bis(2-ethylhexyl)phthalate	14.14	149	1517411	165.422	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.38	276	290197	23.625	ng	# 86
87) Benzo(b)fluoranthene	15.29	252	877642m	52.219	ng	
88) Benzo(k)fluoranthene	15.32	252	231328m	14.973	ng	
89) Benzo(a)pyrene	15.69	252	534505m	35.515	ng	
90) Dibenzo(a,h)anthracene	17.38	278	76072	6.109	ng	# 78
91) Benzo(a,h,i)perylene	17.87	276	260852	21.274	ng	# 88

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

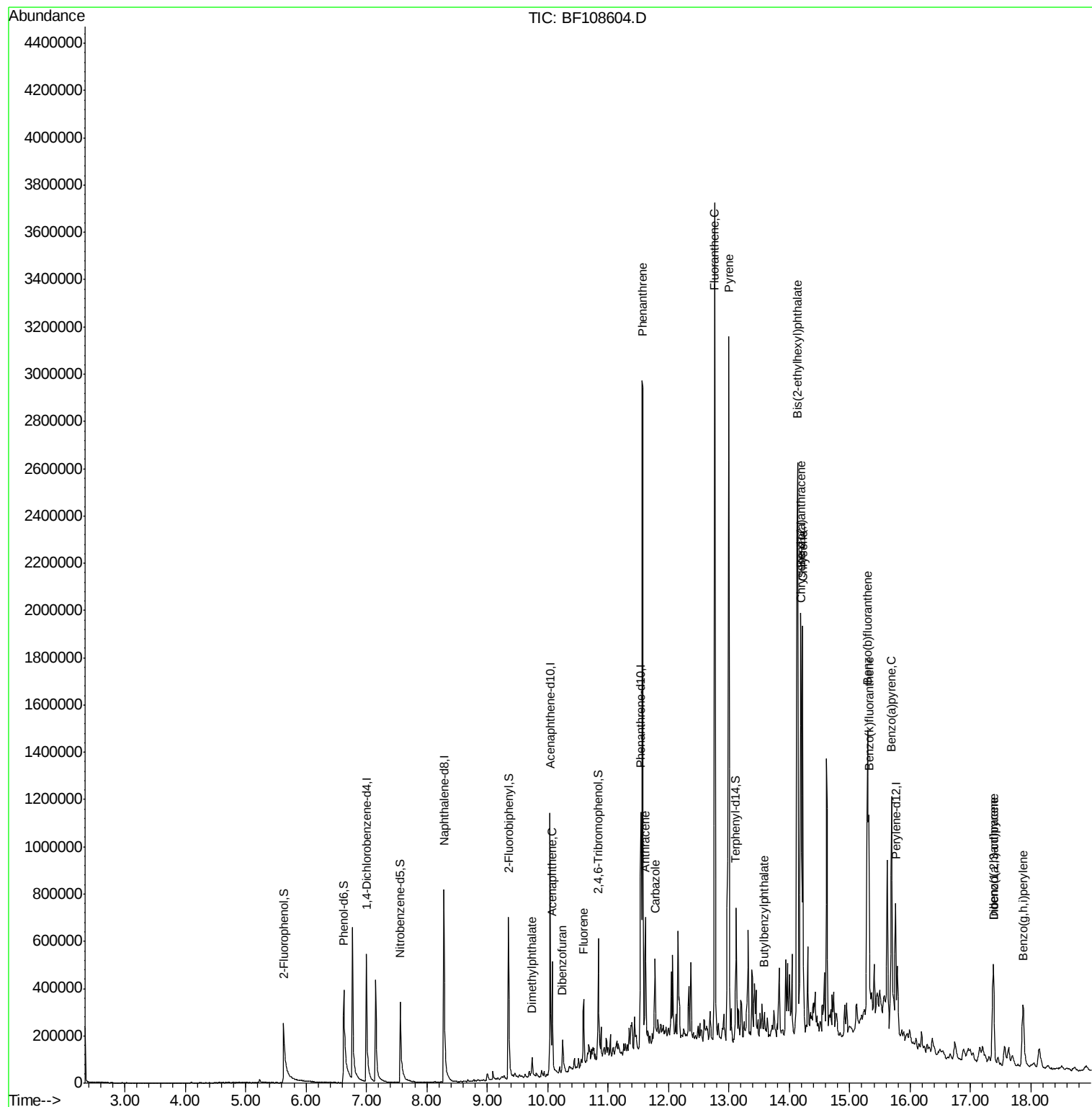
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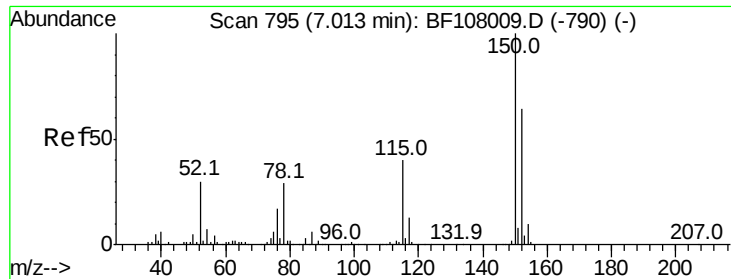
Instrument :
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WASTE-CLASS-HOT-SPOT

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

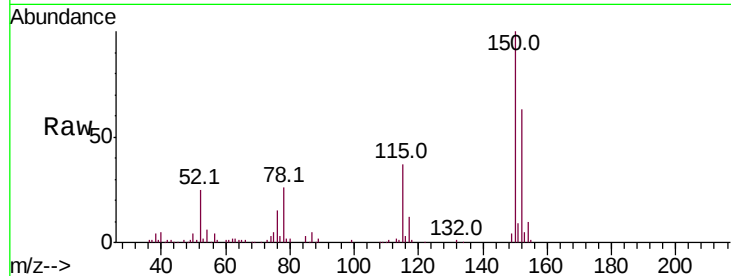
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-HOT-SPOT

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	58.8	50.1	75.1

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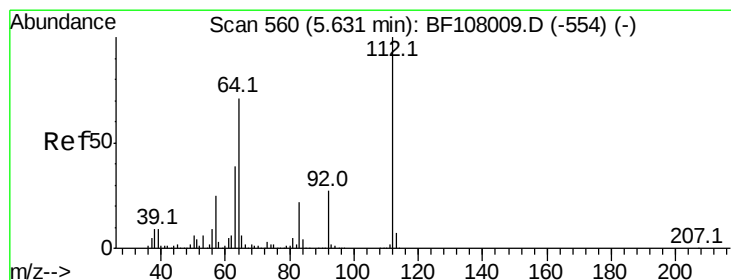
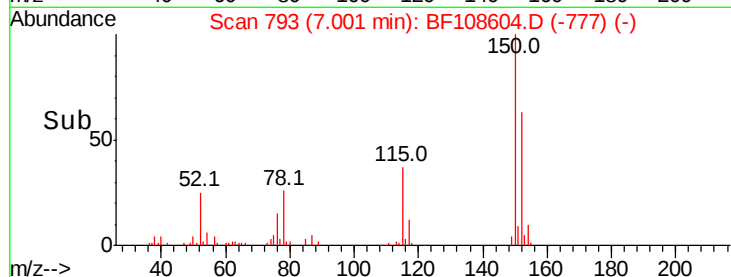
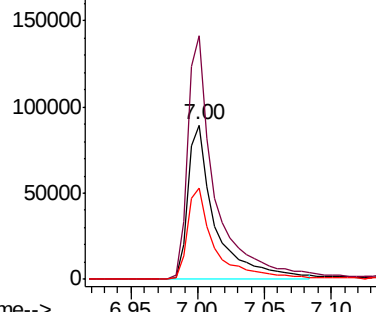


Abundance

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: 29.602 ng m
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

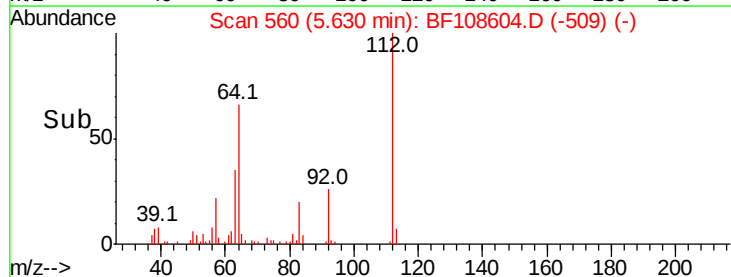
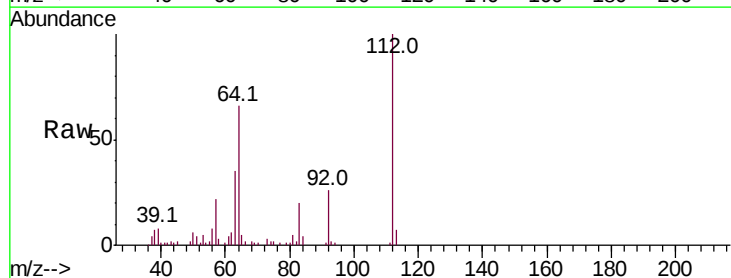
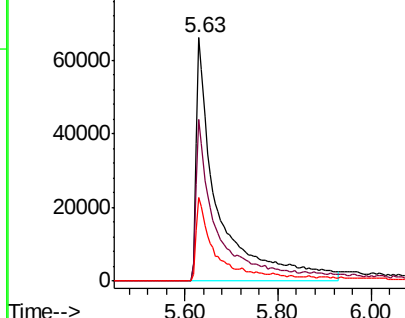
Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	34.5	23.7	35.5

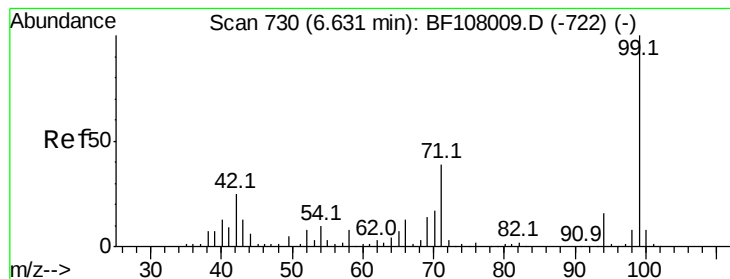
Abundance

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: 33.123 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

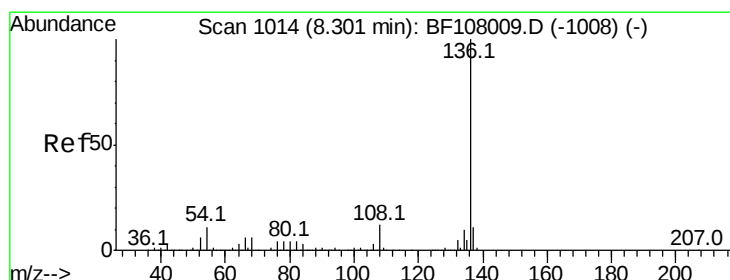
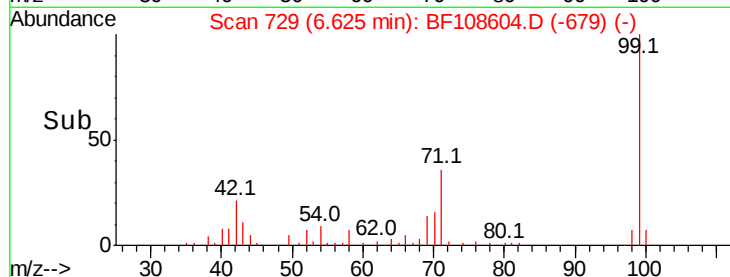
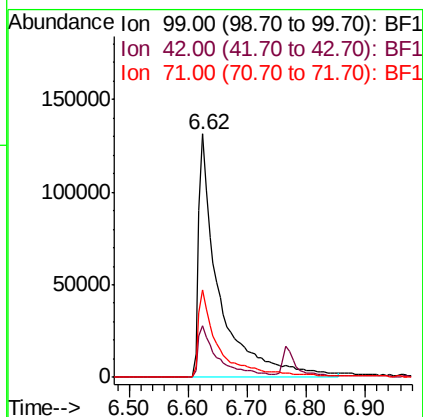
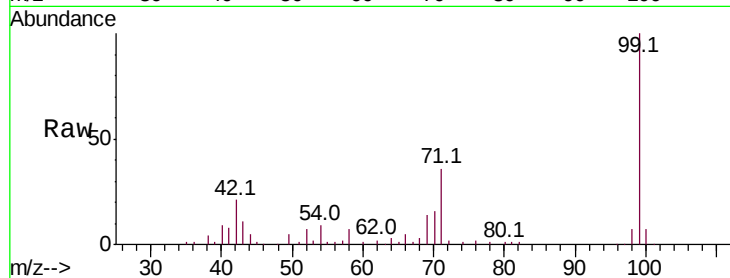
ClientSampleId :

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Tot Ion:	99	Resp:	315627
Ion Ratio	Lower	Upper	
99	100		
42	21.5	14.5	21.7
71	35.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

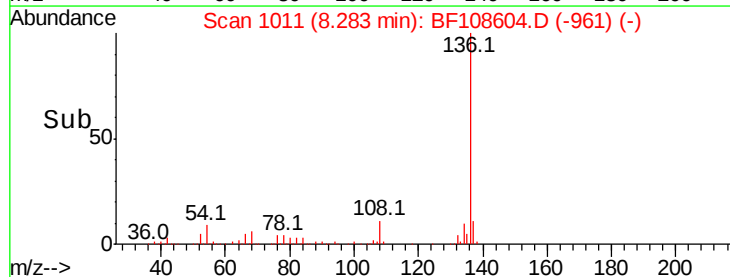
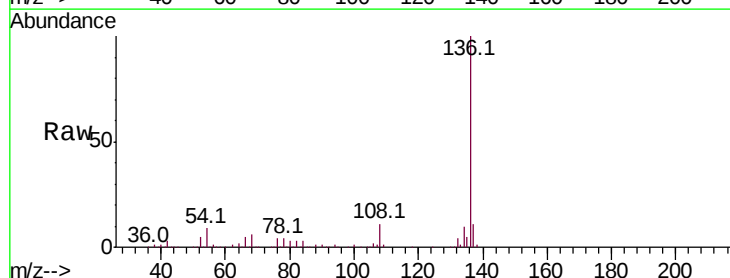
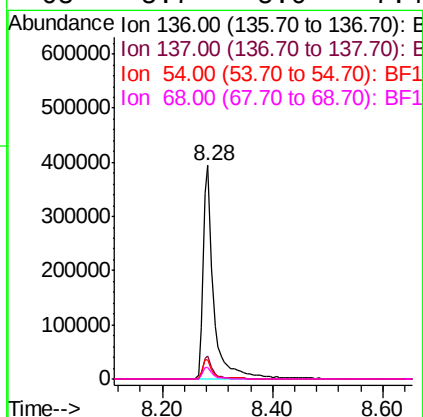
RT: 8.28 min Scan# 1011

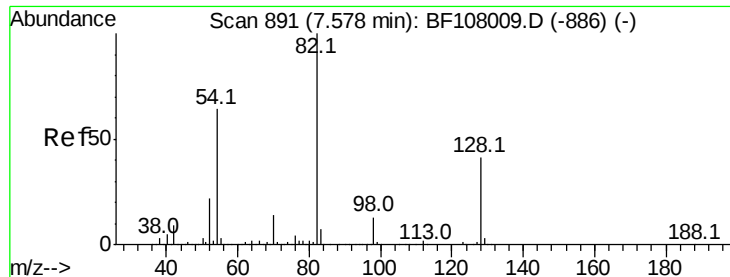
Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Tgt Ion:	136	Resp:	518644
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	9.1	6.6	9.8
68	5.7	5.0	7.4





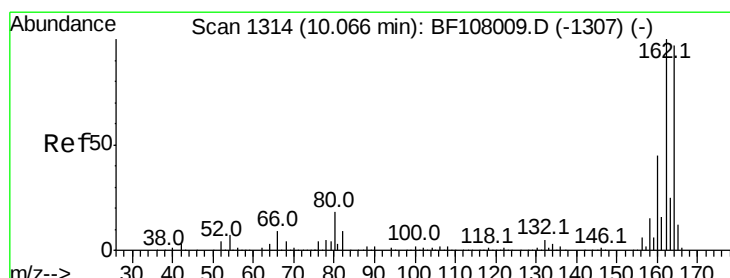
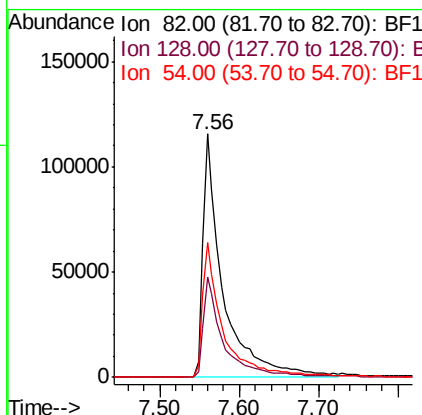
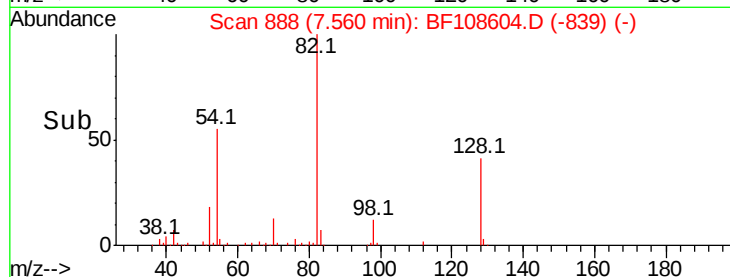
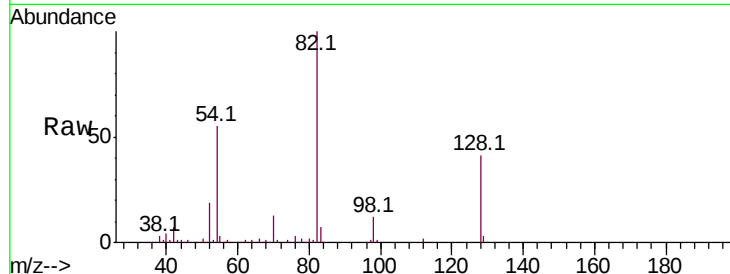
#23
 Nitrobenzene-d5
 Concen: 22.194 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CLASS-HOT-SPOT

Tot Ion	Ratio	Resp	Lower	Upper
82	100	206283		
128	41.1		36.1	54.1
54	55.4		41.4	62.2

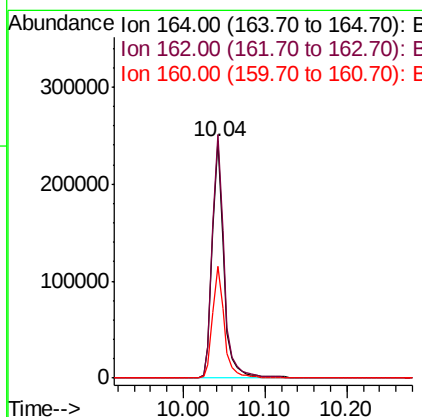
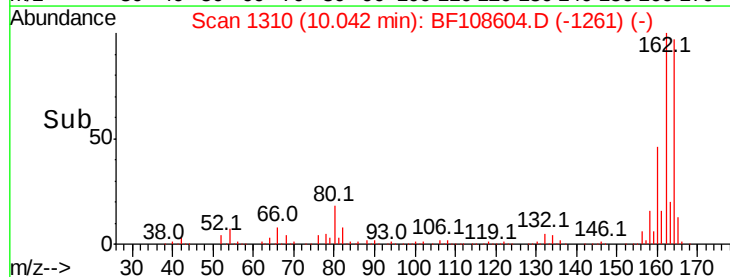
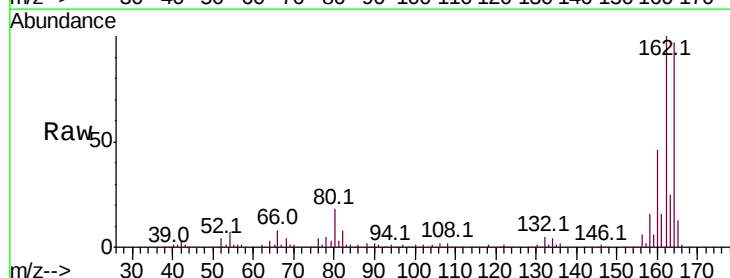
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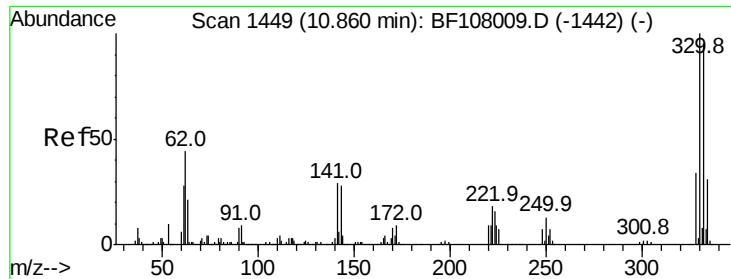
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	241431		
162	102.7		86.1	129.1
160	47.2		38.3	57.5





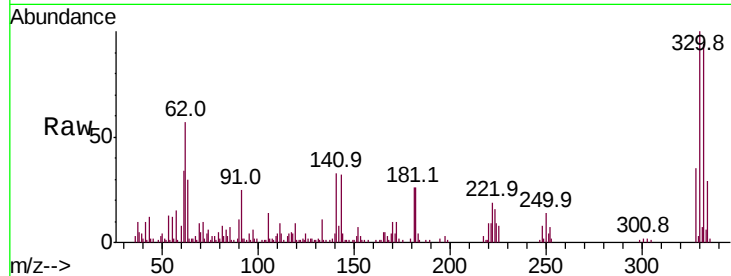
#41
 2,4,6-Tribromophenol
 Concen: 28.371 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CLASS-HOT-SPOT

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	32.7	29.9	44.9

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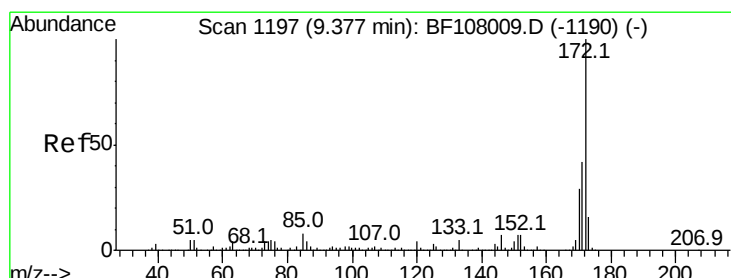
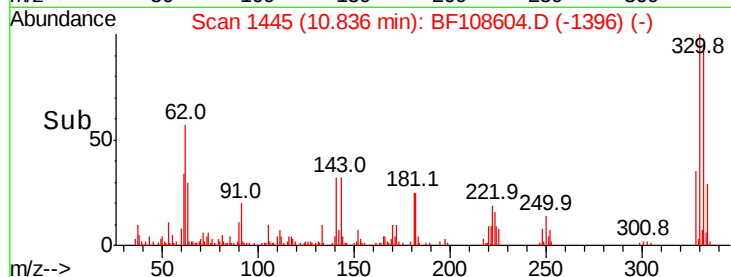
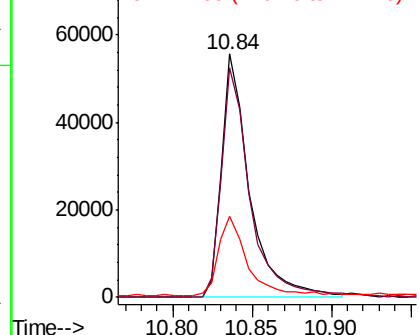


Abundance

Ion 329.80 (329.50 to 330.50): E

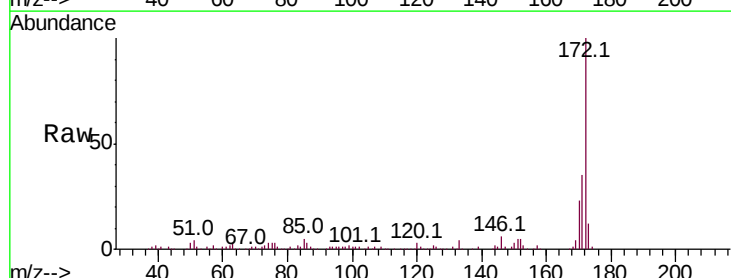
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 18.639 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.9	19.6	29.4

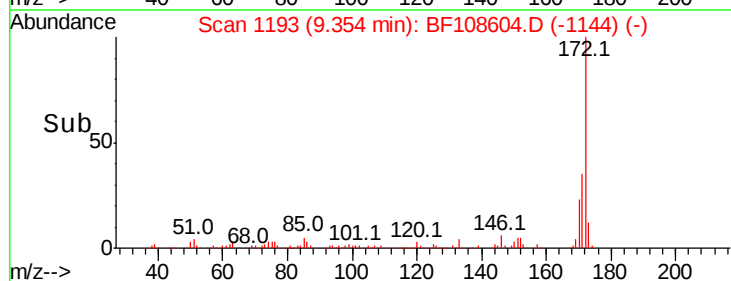
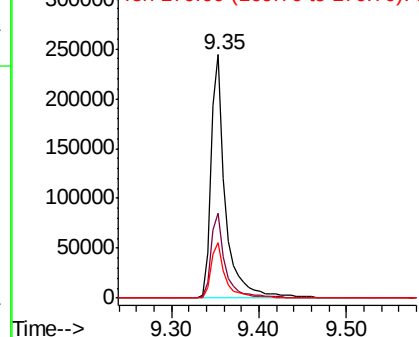


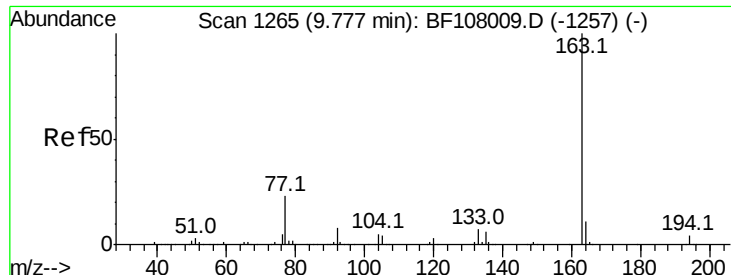
Abundance

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





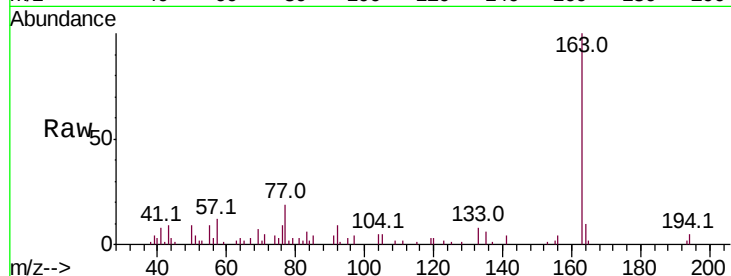
#49
Dimethylphthalate
Concen: 2.100 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-HOT-SPOT

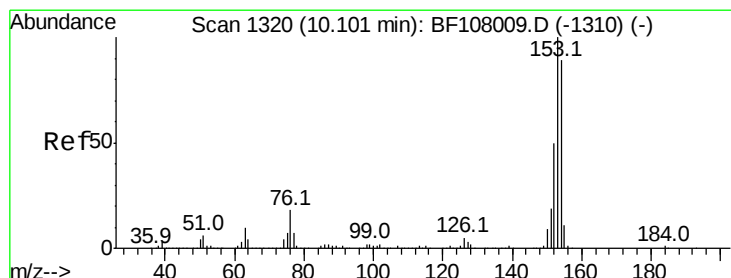
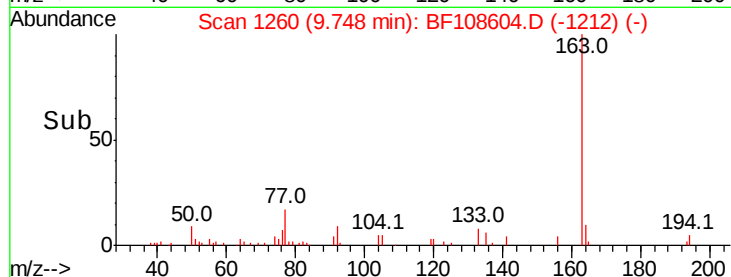
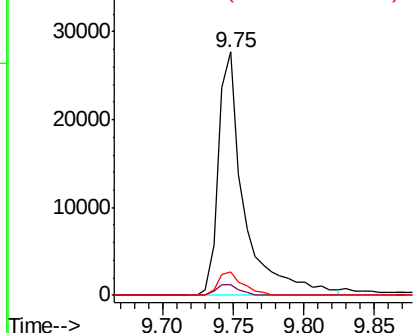
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.6	2.7	4.1#	
164	9.6	8.2	12.2	

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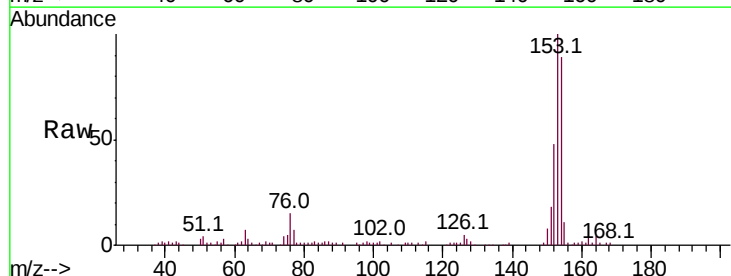


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

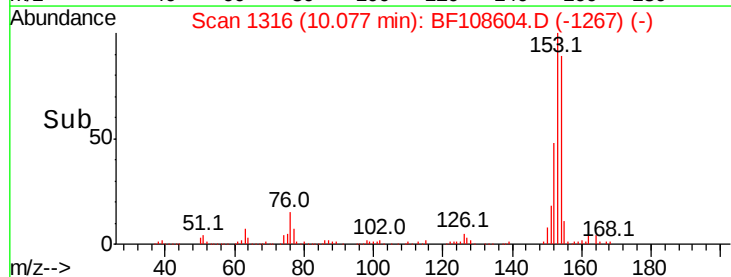
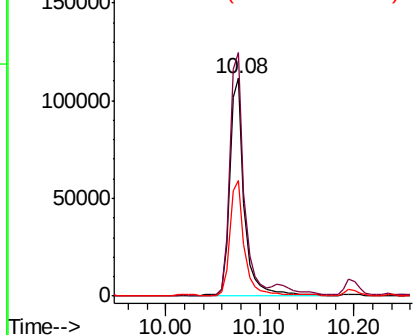


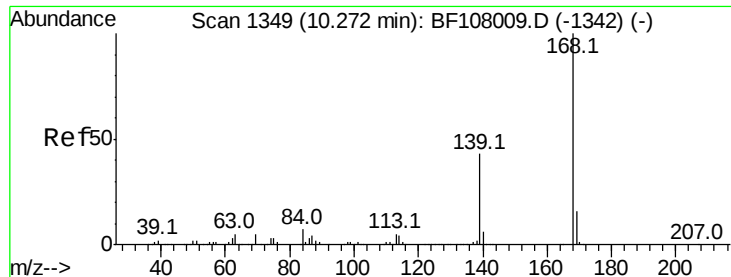
#51
Acenaphthene
Concen: 8.900 ng
RT: 10.08 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.8	91.2	136.8	
152	53.3	43.8	65.8	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 3.620 ng

RT: 10.25 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

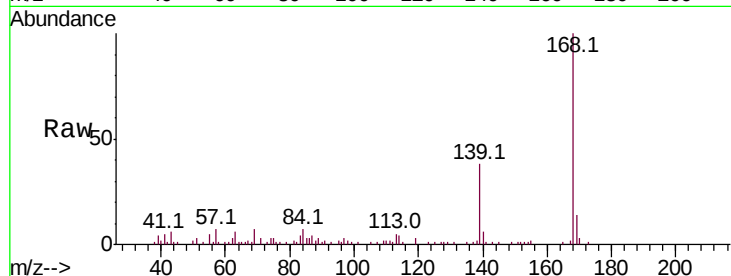
ClientSampleId :

WASTE-CLASS-HOT-SPOT

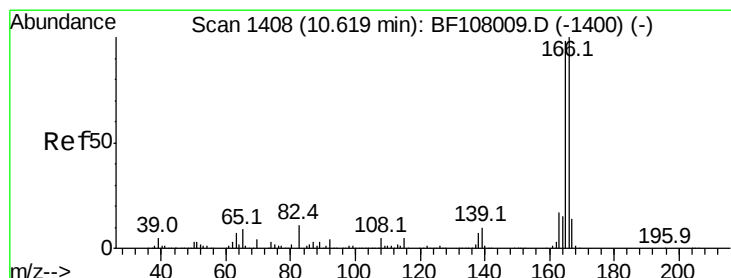
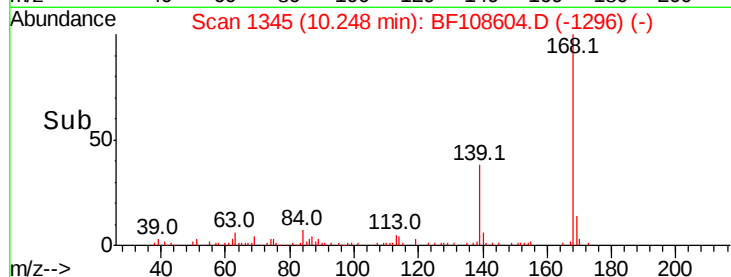
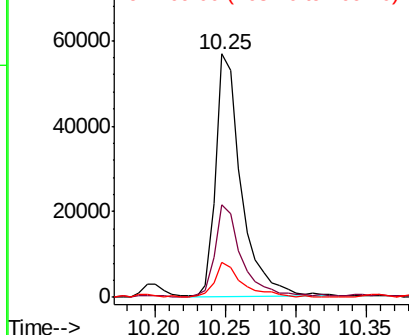
Tot Ion:	168	Resp:	71454
Ion Ratio	Lower	Upper	
168	100		
139	38.3	30.1	45.1
169	14.4	10.9	16.3

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 6.378 ng

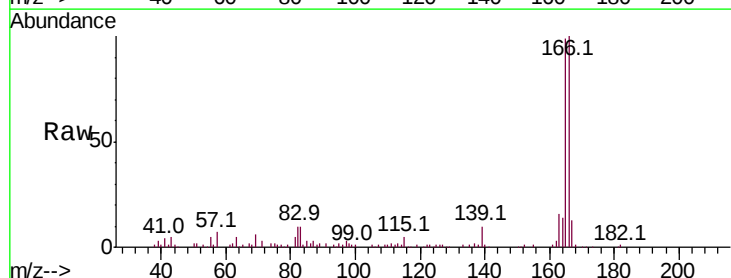
RT: 10.59 min Scan# 1404

Delta R.T. -0.01 min

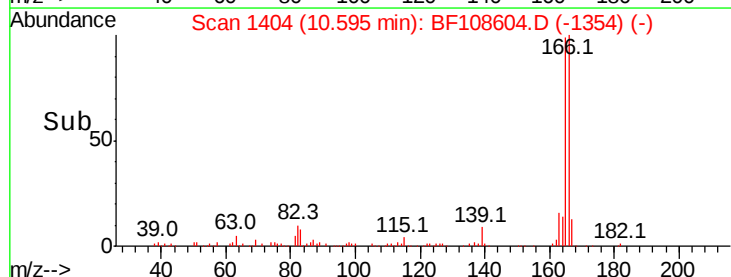
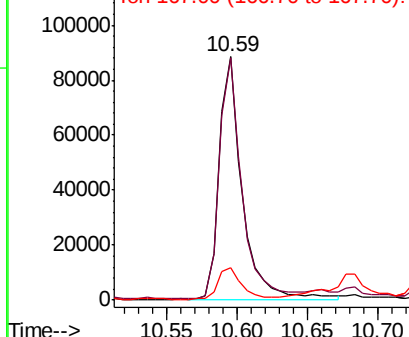
Lab File: BF108604.D

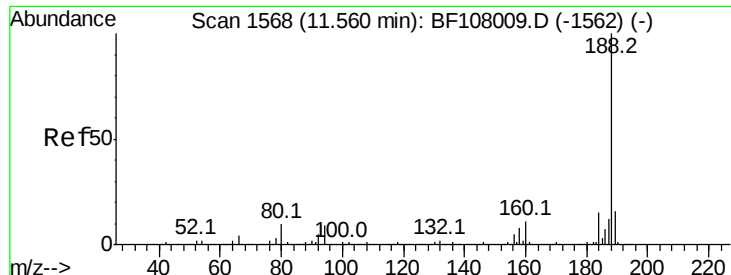
Acq: 29 Aug 2018 15:05

Tgt Ion:	166	Resp:	99651
Ion Ratio	Lower	Upper	
166	100		
165	99.5	79.8	119.8
167	13.3	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





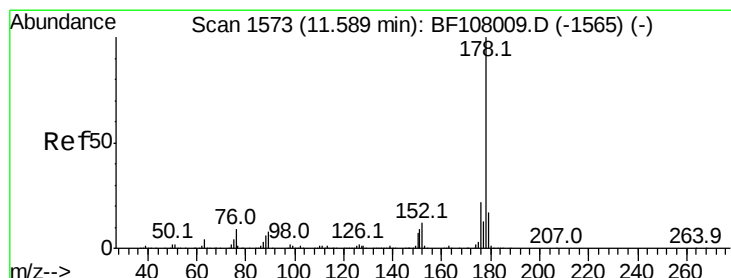
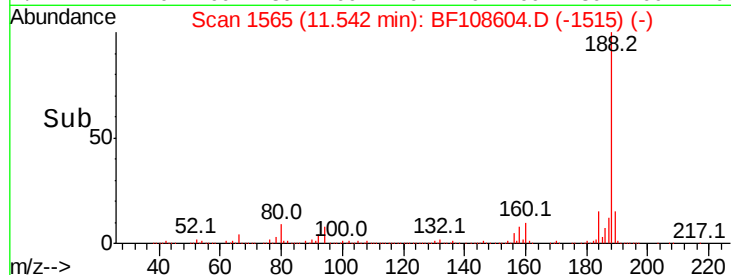
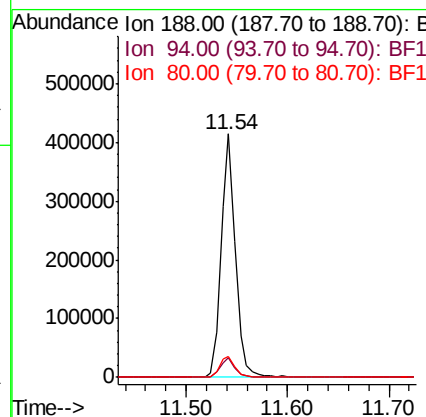
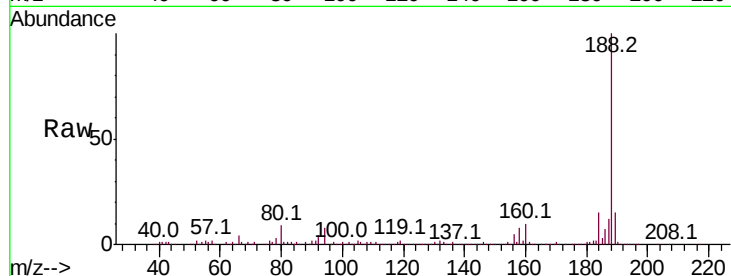
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-HOT-SPOT

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.9	8.5	12.7#	
80	8.7	9.2	13.8#	

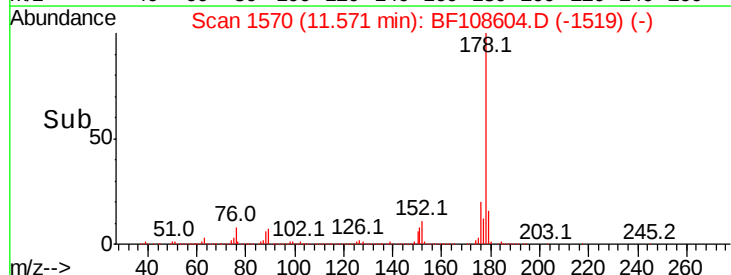
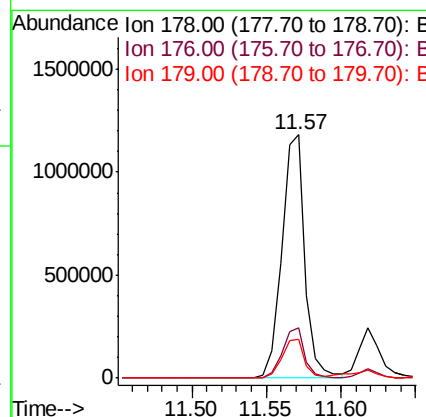
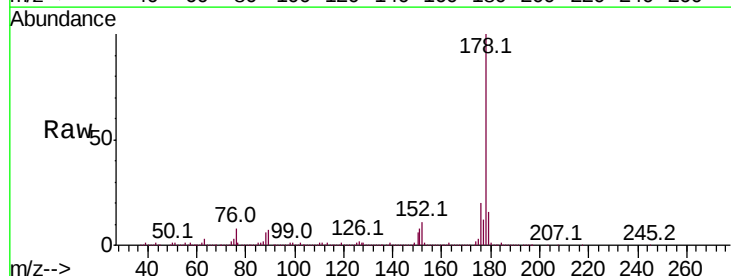
Manual Integrations
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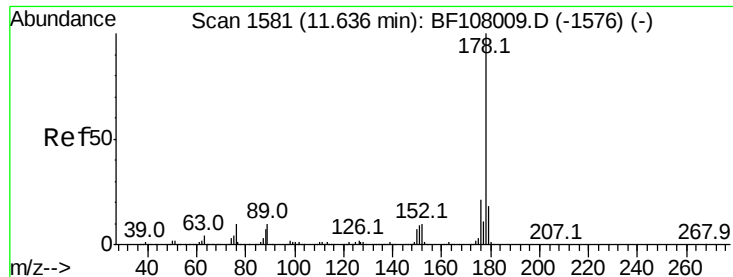
Sohil
8/30/2018 12:18:33 PM



#70
Phenanthrene
Concen: 66.997 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.4	15.8	23.8	
179	15.9	13.0	19.6	





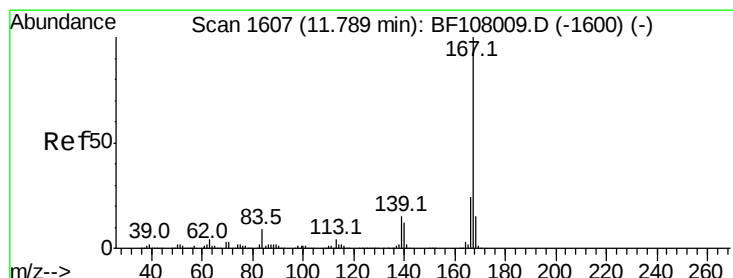
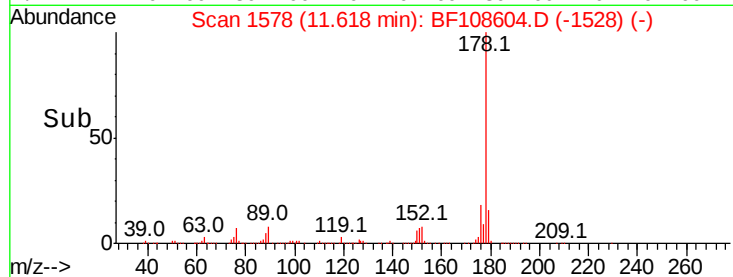
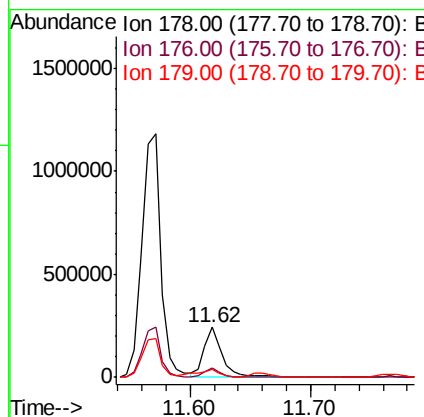
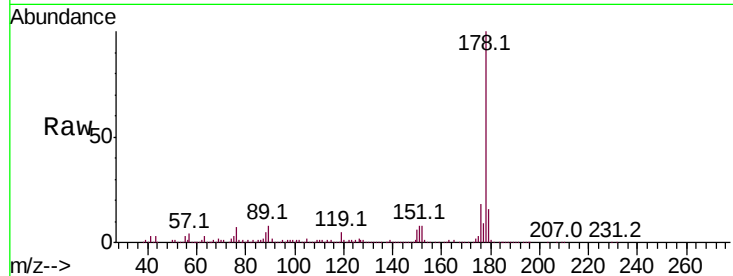
#71
 Anthracene
 Concen: 13.175 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CLASS-HOT-SPOT

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.4	12.6	19.0

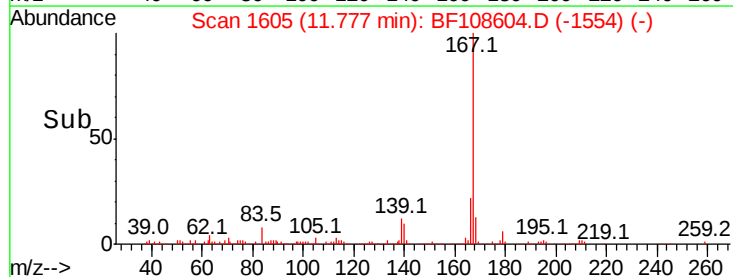
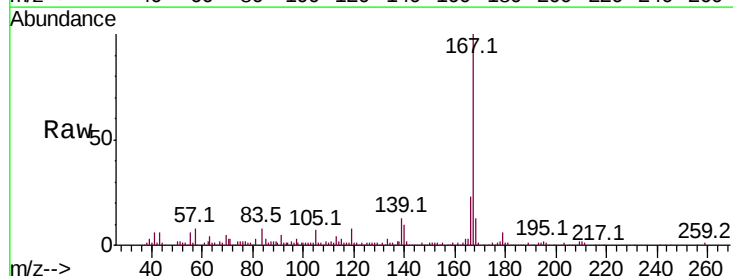
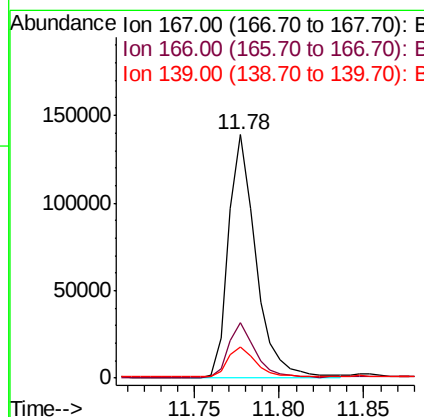
Manual Integrations
 APPROVED

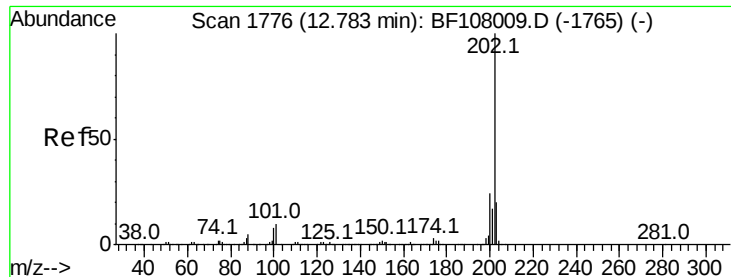
Sohil
 8/30/2018 12:18:33 PM



#72
 Carbazole
 Concen: 9.061 ng
 RT: 11.78 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	12.6	10.9	16.3





#74

Fluoranthene

Concen: 82.707 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.00 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

WASTE-CLASS-HOT-SPOT

Tot Ion:202 Resp: 1711489

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

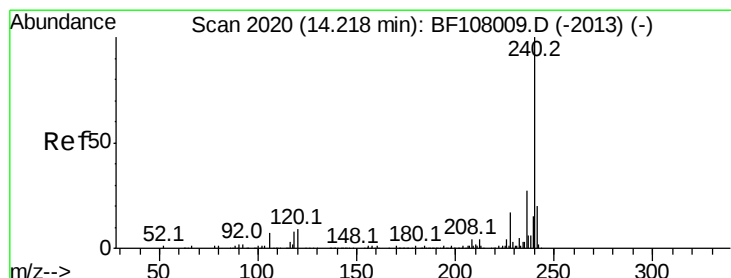
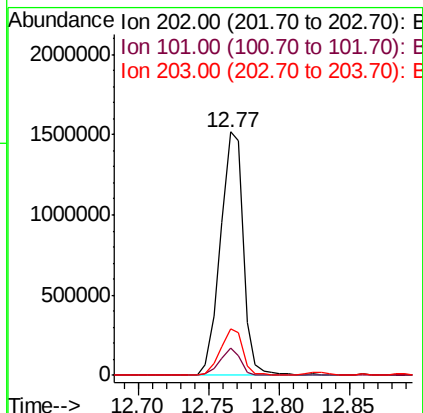
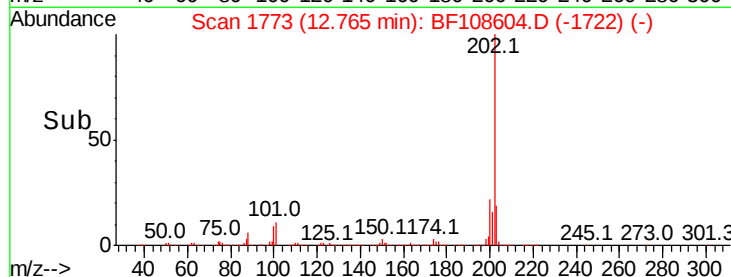
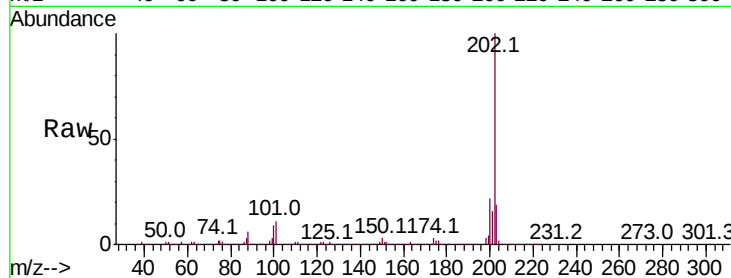
203 19.1 0.0 38.1

Manual Integrations

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#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

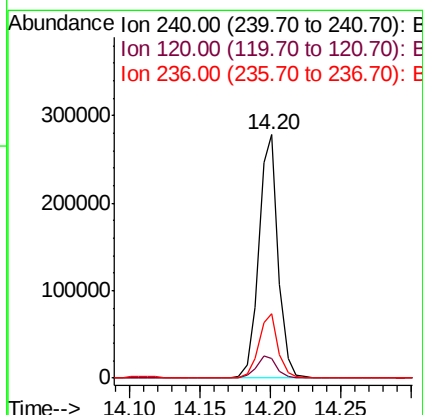
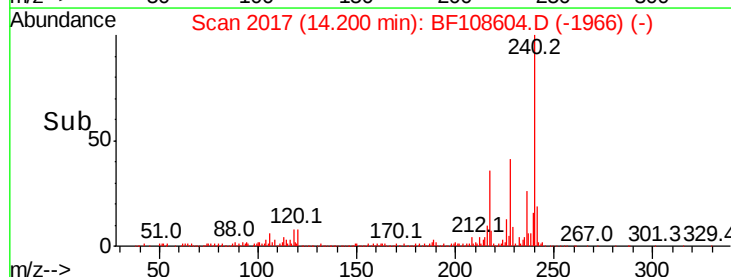
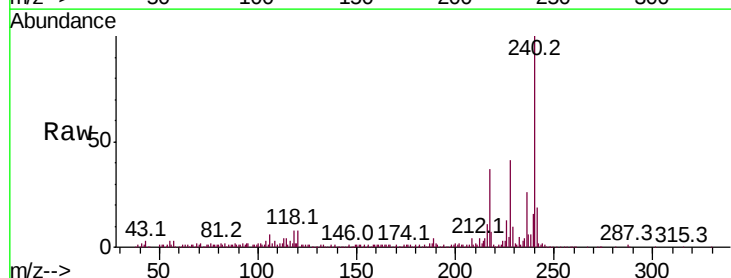
Tgt Ion:240 Resp: 269448

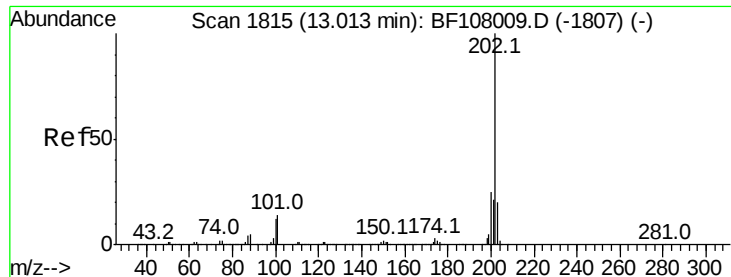
Ion Ratio Lower Upper

240 100

120 8.1 9.5 14.3#

236 26.3 20.7 31.1





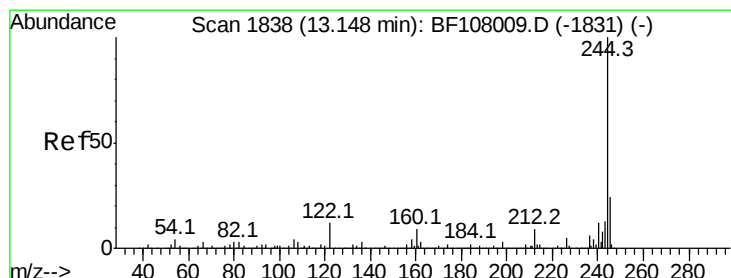
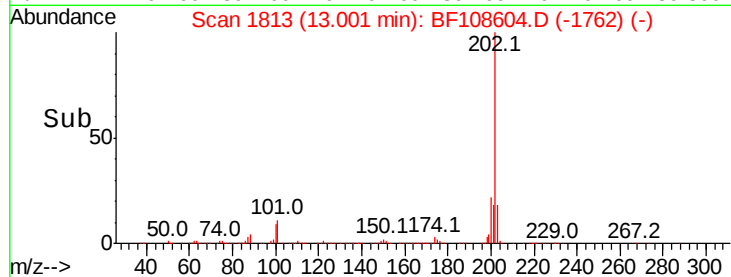
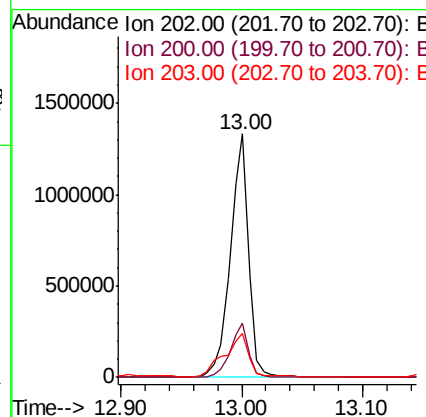
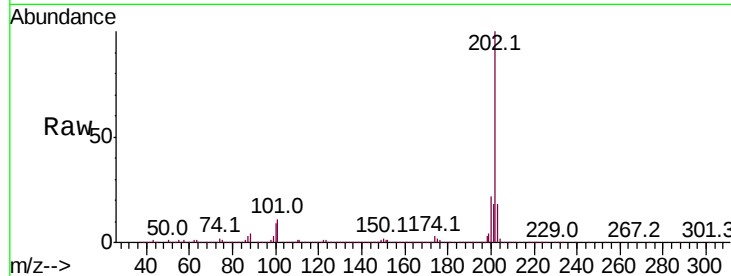
#77
Pvrene
Concen: 80.961 ng
RT: 13.00 min Scan# 1813
Delta R.T. -0.00 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-HOT-SPOT

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.2	14.3	21.5

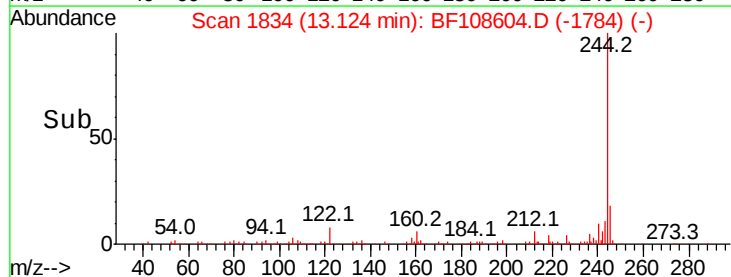
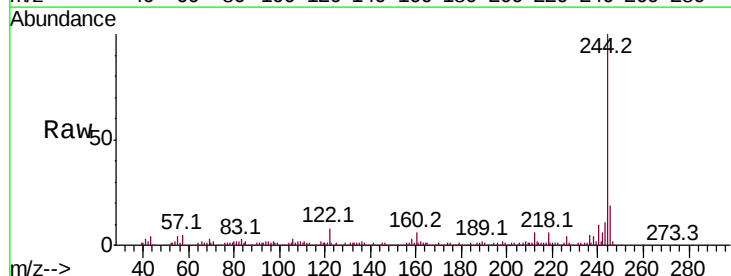
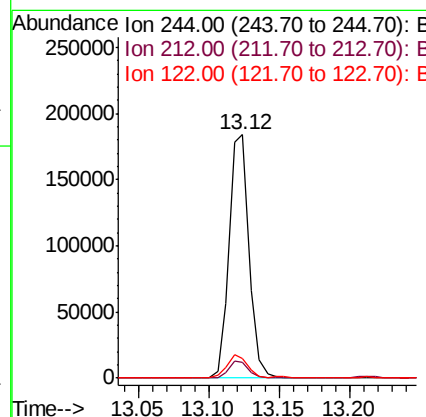
Manual Integrations
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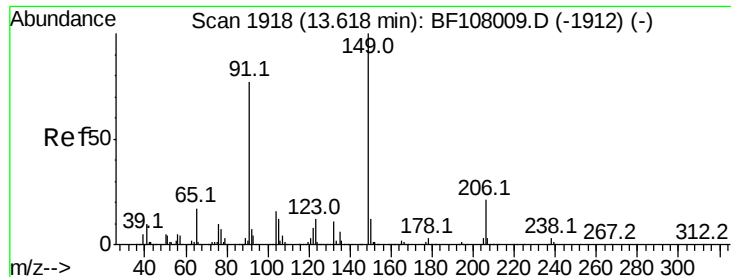
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#78
Terphenyl-d14
Concen: 17.055 ng
RT: 13.12 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.2	11.0	16.4





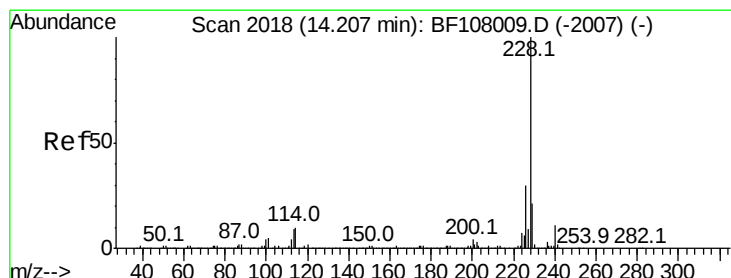
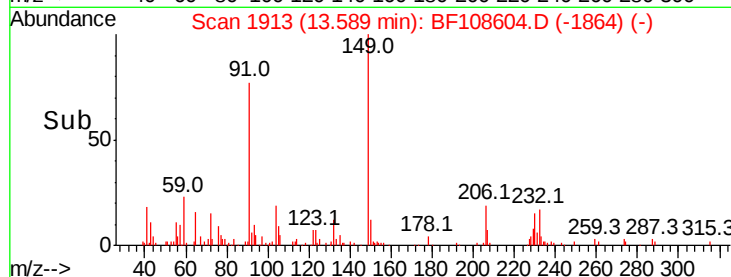
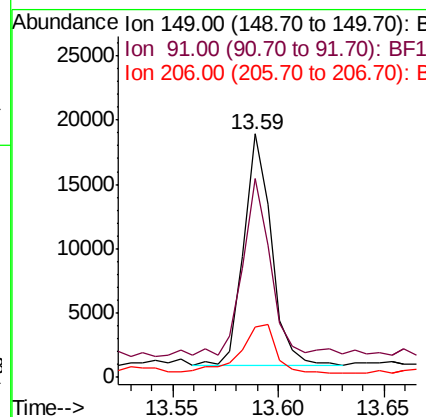
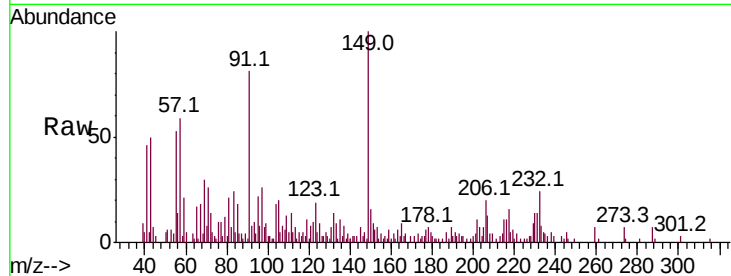
#79
Butylbenzylphthalate
Concen: 2.411 ng
RT: 13.59 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-HOT-SPOT

Tot Ion:	149	Resp:	16335
Ion Ratio	Lower	Upper	
149	100		
91	81.5	56.8	85.2
206	20.5	14.1	21.1

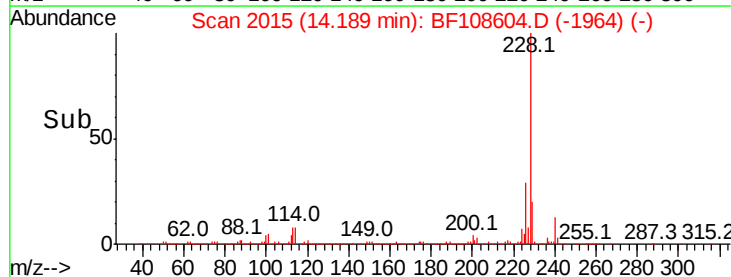
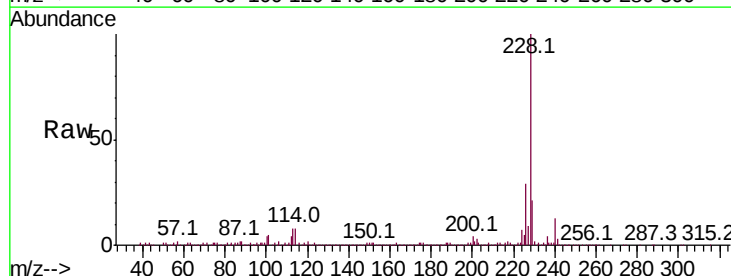
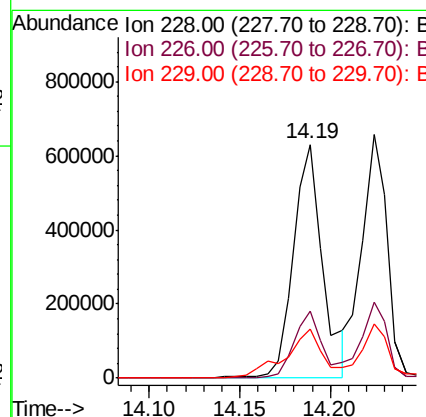
Manual Integrations
APPROVED

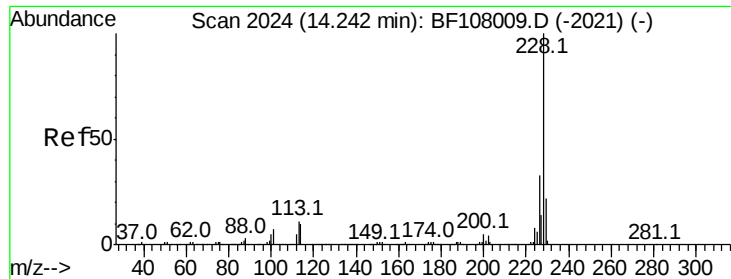
Sohil
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#80
Benzo(a)anthracene
Concen: 46.057 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Tgt Ion:	228	Resp:	712205
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.6	33.8
229	20.8	15.8	23.6





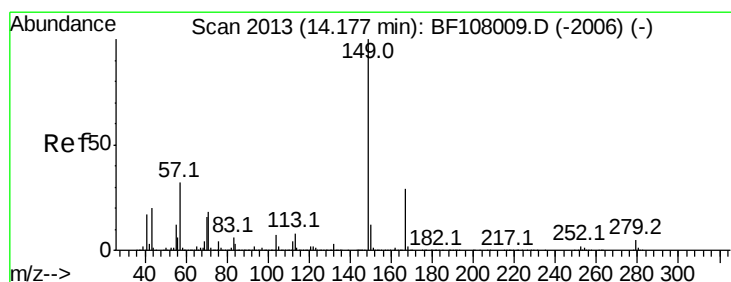
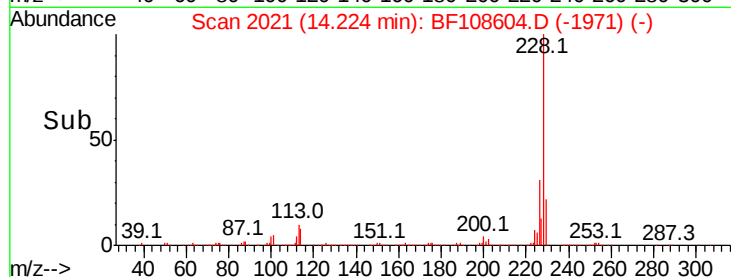
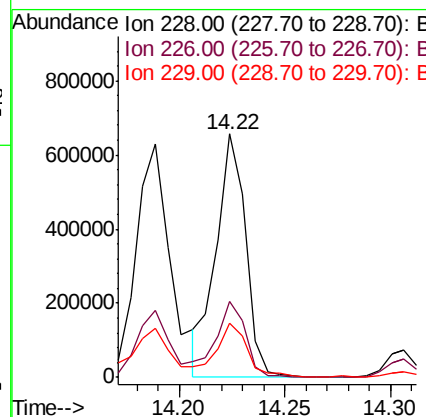
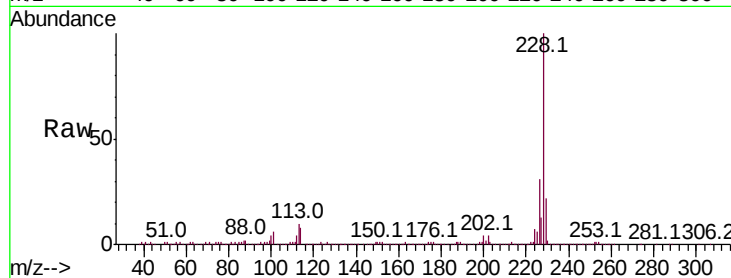
#82
 Chrysene
 Concen: 45.290 ng
 RT: 14.22 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CLASS-HOT-SPOT

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.4	16.2	24.4

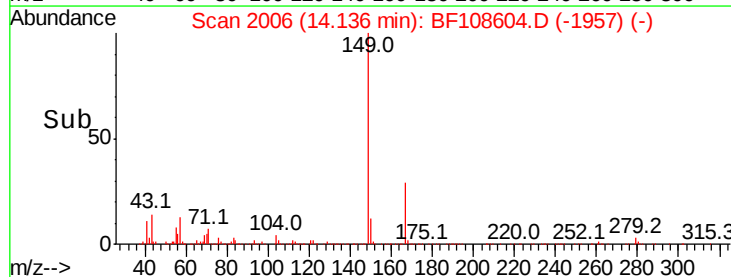
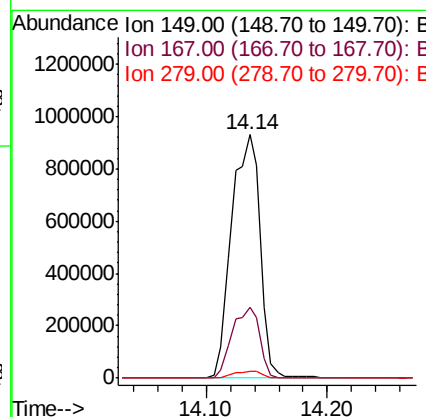
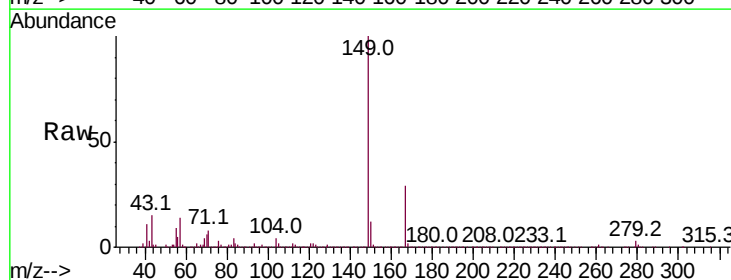
Manual Integrations
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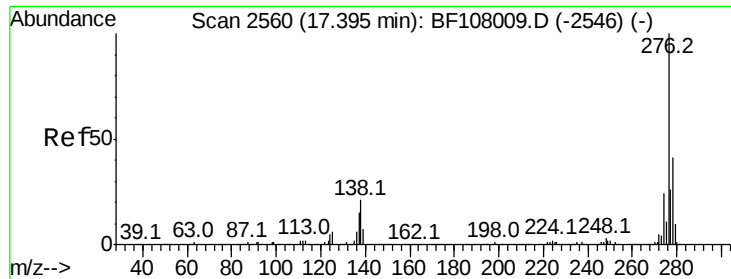
Sohil
 8/30/2018 12:18:33 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 165.422 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.0	21.3	31.9
279	2.5	3.0	4.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 23.625 ng

RT: 17.38 min Scan# 2557

Delta R.T. 0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

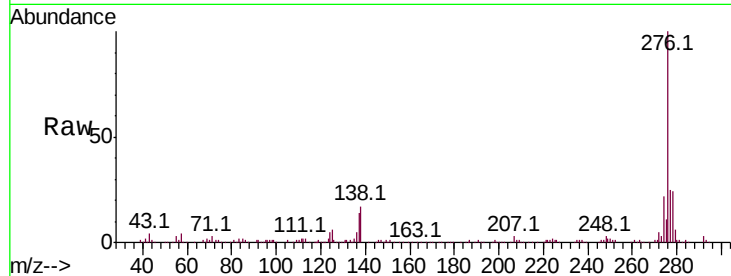
ClientSampleId :

WASTE-CLASS-HOT-SPOT

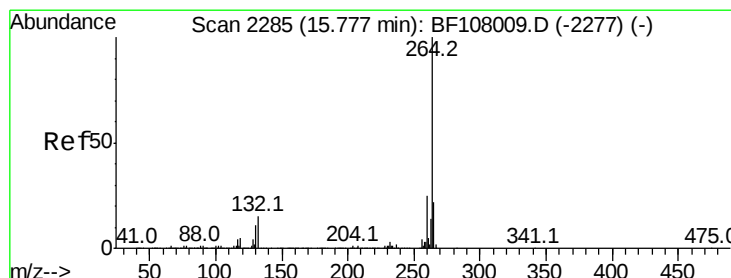
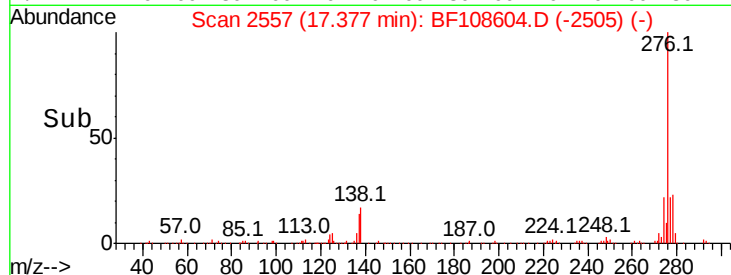
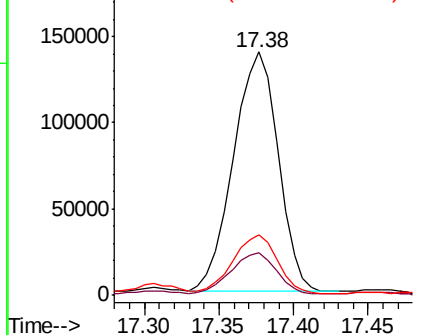
Tot Ion:	276	Resp:	290197
Ion Ratio	Lower	Upper	
276	100		
138	17.7	25.0	37.6#
277	24.7	20.1	30.1

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

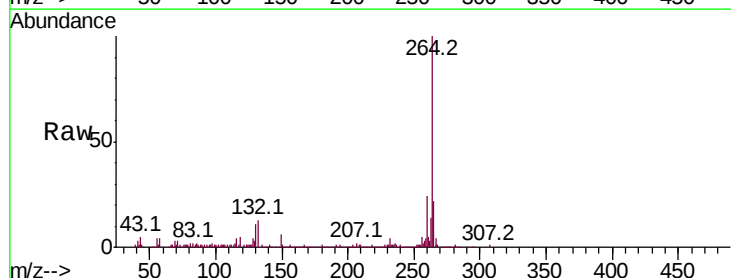
RT: 15.76 min Scan# 2282

Delta R.T. -0.00 min

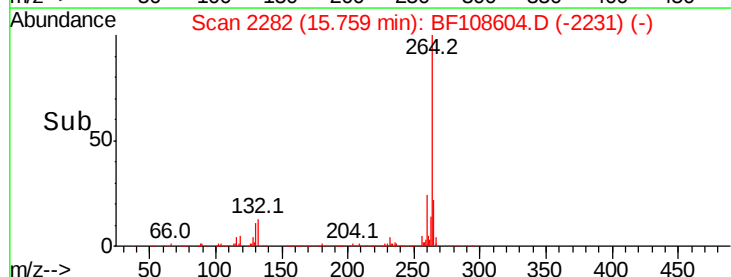
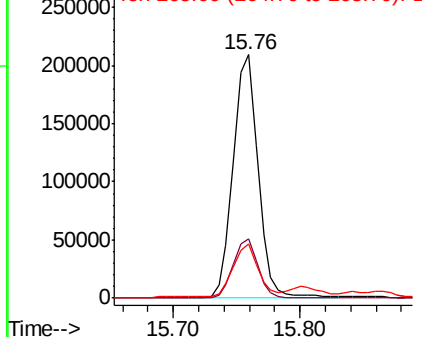
Lab File: BF108604.D

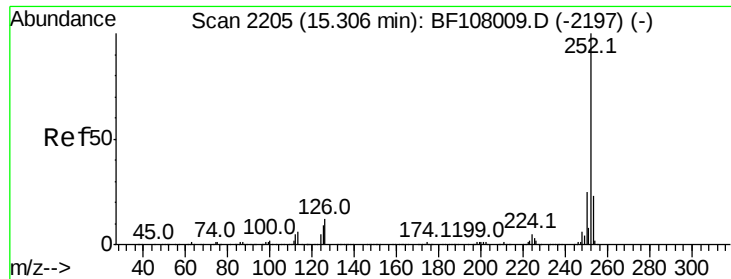
Acq: 29 Aug 2018 15:05

Tgt Ion:	264	Resp:	281267
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	22.1	17.5	26.3



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: 52.219 ng m

RT: 15.29 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

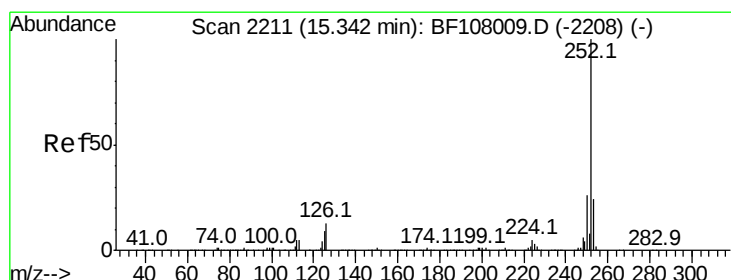
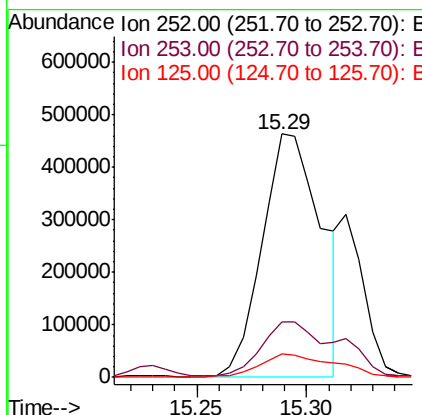
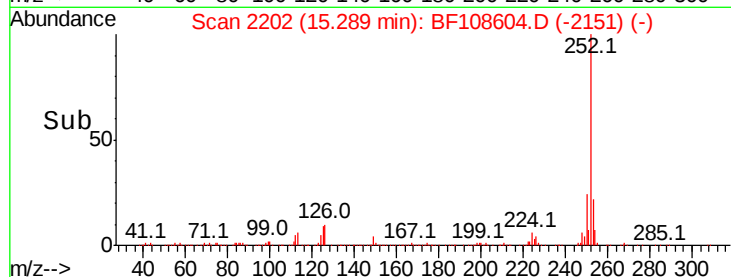
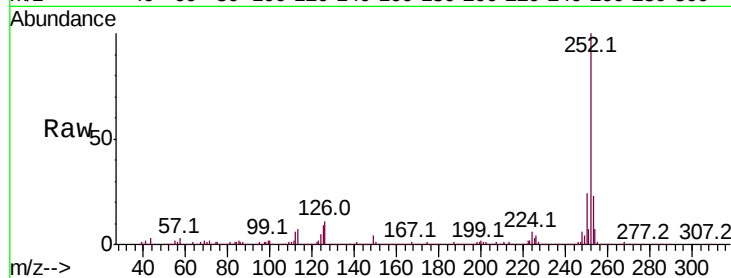
ClientSampleId :

WASTE-CLASS-HOT-SPOT

Tot Ion:	252	Resp:	877642
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	9.5	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 14.973 ng m

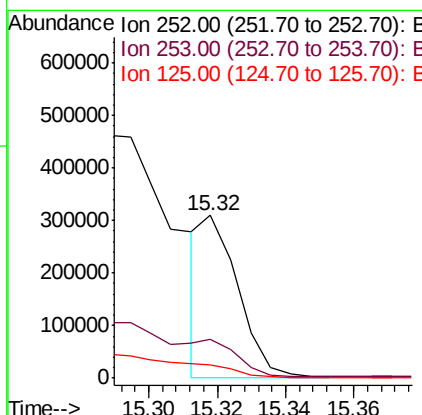
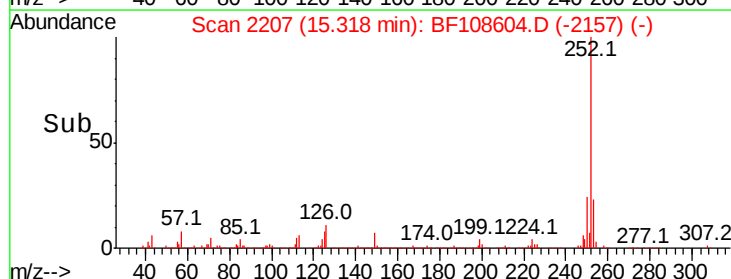
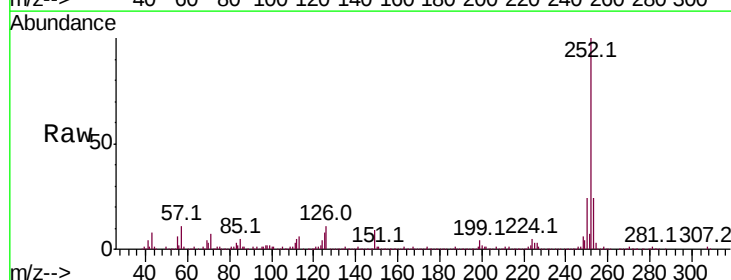
RT: 15.32 min Scan# 2207

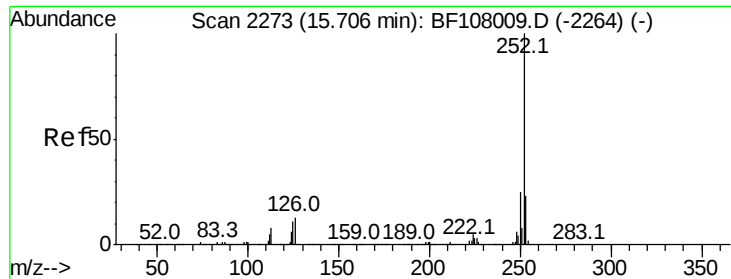
Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Tgt Ion:	252	Resp:	231328
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	8.1	10.2	15.2#





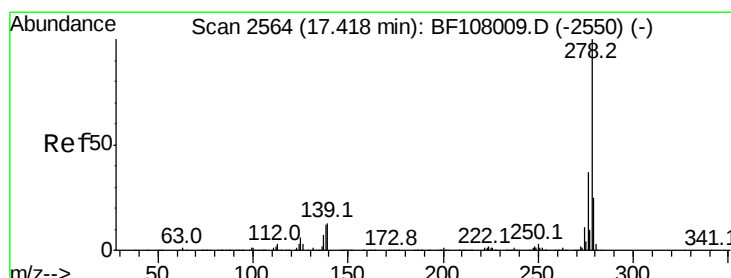
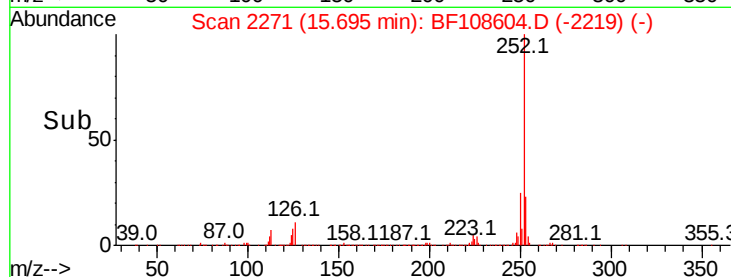
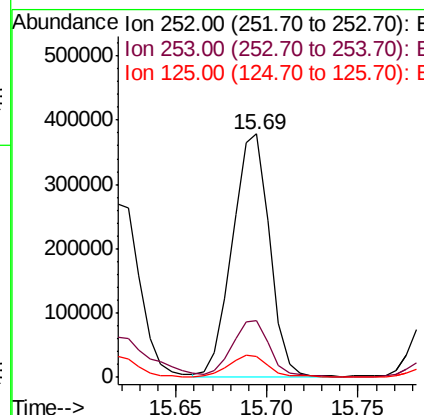
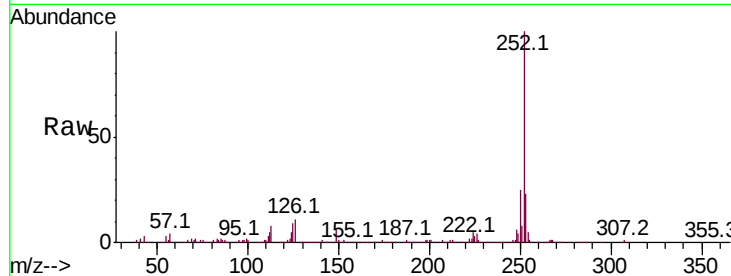
#89
Benzo(a)pyrene
Concen: 35.515 ng/ml
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Instrument :
BNA_F
ClientSampleId :
WASTE-CLASS-HOT-SPOT

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	8.8	9.8	14.6

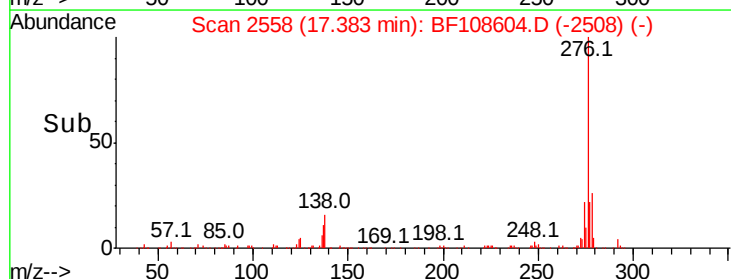
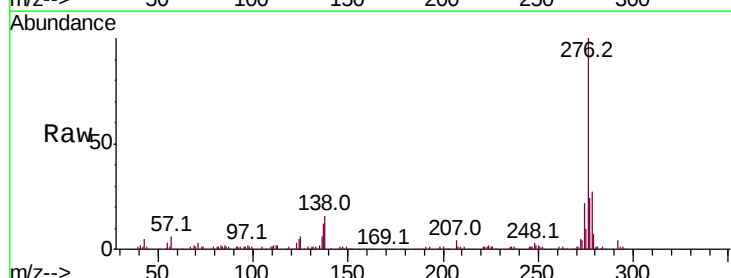
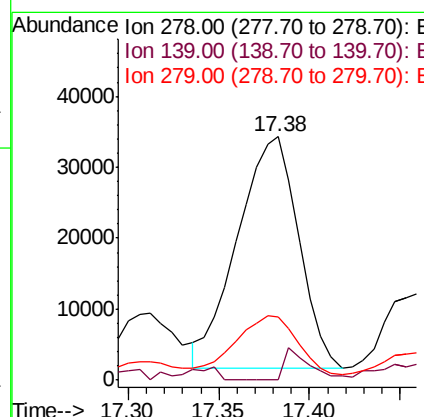
Manual Integrations
APPROVED

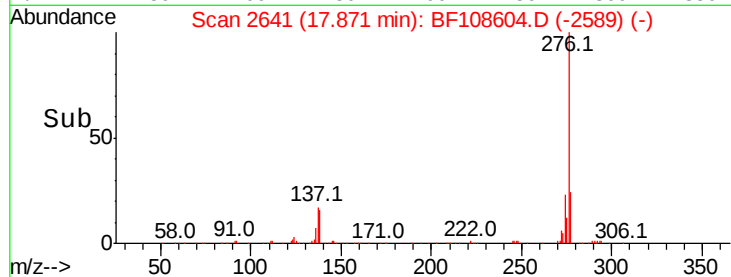
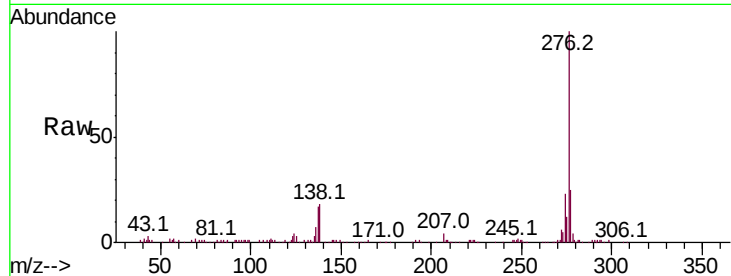
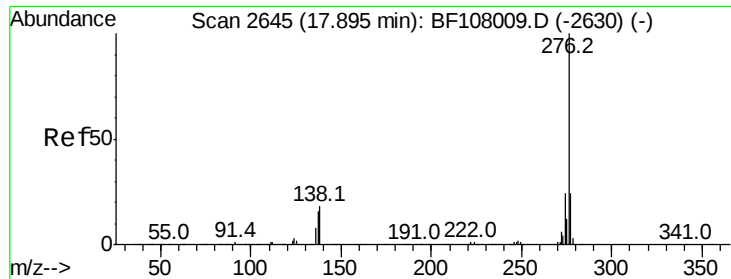
Sohil
8/30/2018 12:18:33 PM



#90
Dibenzo(a,h)anthracene
Concen: 6.109 ng
RT: 17.38 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	26.1	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 21.274 ng

RT: 17.87 min Scan# 2641

Delta R.T. 0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

WASTE-CLASS-HOT-SPOT

Tot Ion:	276	Resp:	260852
Ion Ratio	Lower	Upper	
276	100		
277	25.0	17.9	26.9
138	18.1	21.8	32.8#

Manual Integrations
APPROVED

Sohil
8/30/2018 12:18:33 PM

