

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
 Data File : BF108607.D
 Acq On : 29 Aug 2018 16:26
 Operator : JU/SJ
 Sample : J4661-02DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 30 12:04:05 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	110279	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	458522	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	202587	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	321134	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	260133	20.00	ng	0.00
86) Perylene-d12	15.75	264	270077	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	16217	2.66	ng	0.05
7) Phenol-d6	6.65	99	50521	6.24	ng	0.02
23) Nitrobenzene-d5	7.58	82	35271	4.29	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	9473	4.69	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	49002	3.88	ng	-0.01
78) Terphenyl-d14	13.12	244	31951	3.12	ng	-0.01
Target Compounds						
70) Phenanthrene	11.57	178	228258	15.070	ng	Qvalue 98
71) Anthracene	11.62	178	45553	2.934	ng	95
74) Fluoranthene	12.76	202	335111	20.272	ng	95
77) Pyrene	12.99	202	273665	16.617	ng	98
80) Benzo(a)anthracene	14.18	228	142412	9.539	ng	98
82) Chrysene	14.22	228	131912	9.638	ng	98
83) Bis(2-ethylhexyl)phthalate	14.13	149	306465	34.606	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.36	276	56974	4.804	ng	# 89
87) Benzo(b)fluoranthene	15.28	252	163284m	10.118	ng	
88) Benzo(k)fluoranthene	15.31	252	61321m	4.134	ng	
89) Benzo(a)pyrene	15.68	252	106157m	7.346	ng	
91) Benzo(a,h,i)perylene	17.86	276	49797	4.229	ng	# 91

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

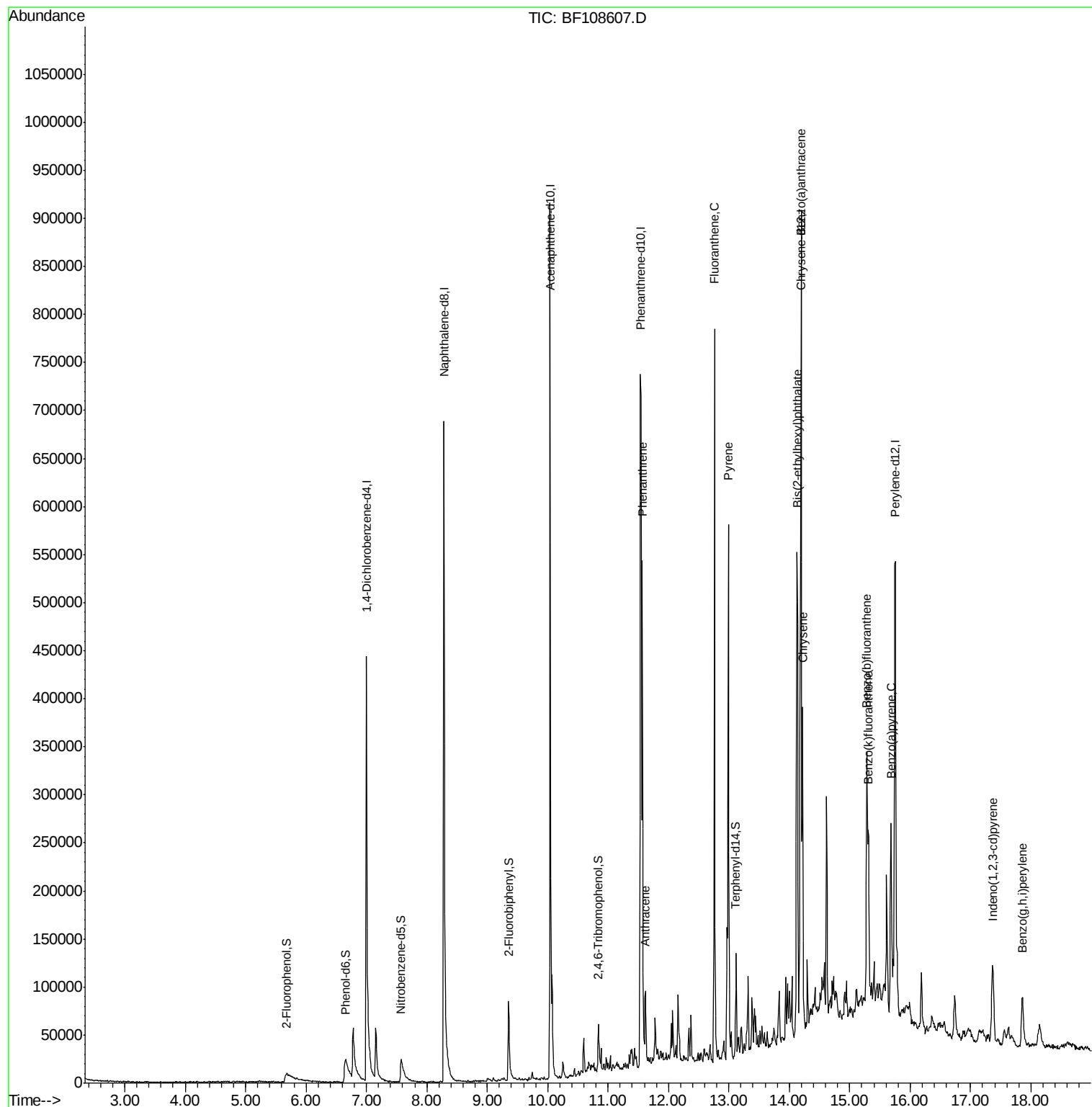
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
Data File : BF108607.D
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Operator : JU/SJ
Sample : J4661-02DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

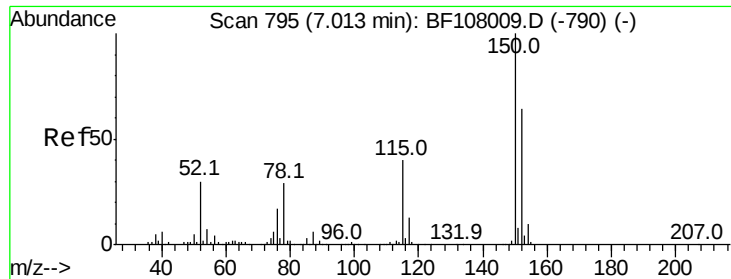
Instrument :
BNA_F
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WASTE-CLASS-HOT-SPOTDL

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#1

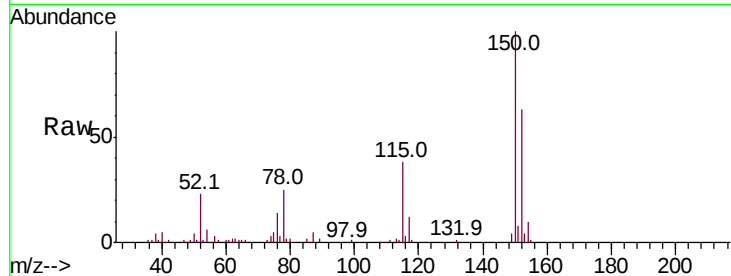
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	60.5	50.1	75.1

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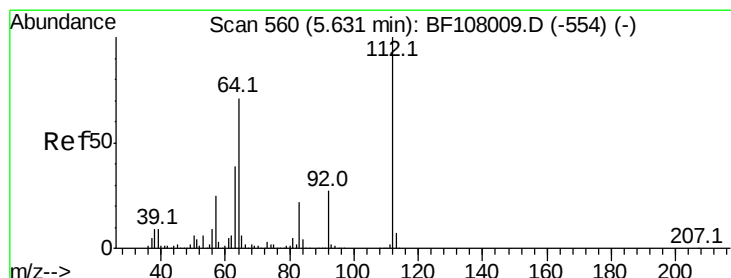
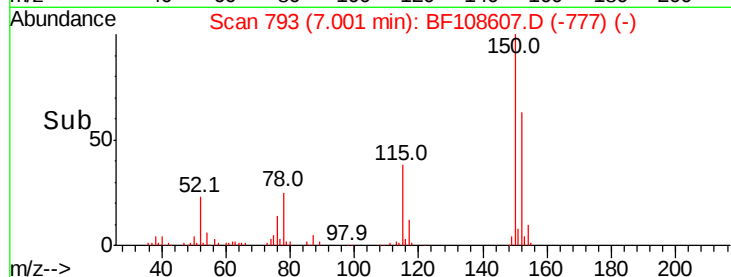
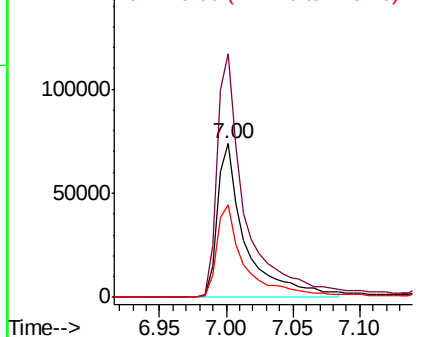


Abundance

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: 2.662 ng
RT: 5.68 min Scan# 568
Delta R.T. 0.05 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

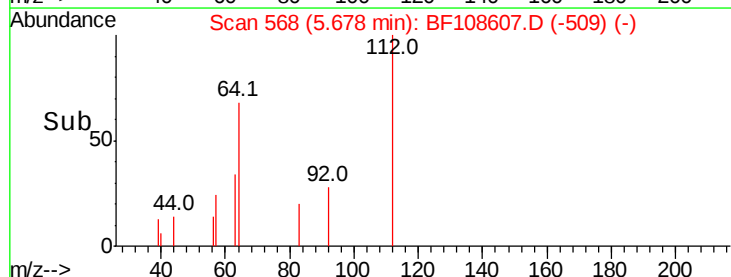
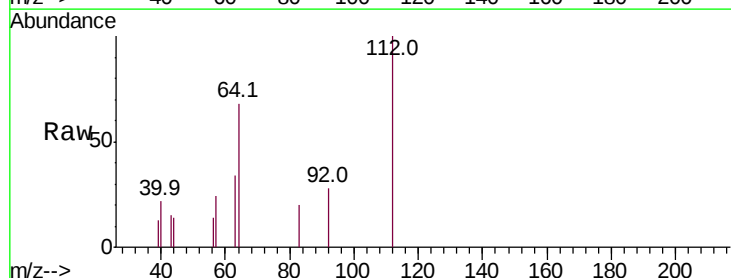
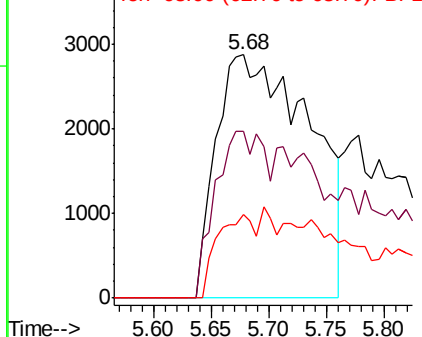
Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	47.9	71.9
63	34.1	23.7	35.5

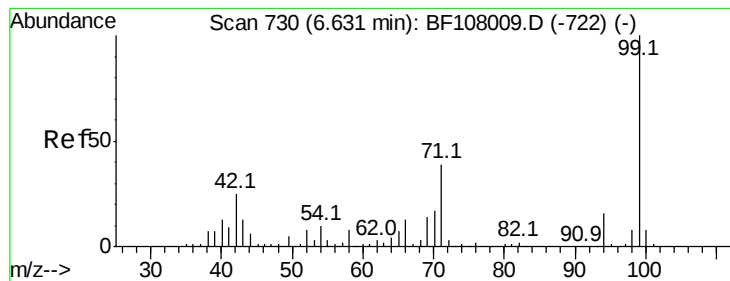
Abundance

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: 6.241 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF108607.D

Acq: 29 Aug 2018 16:26

Instrument :

BNA_F

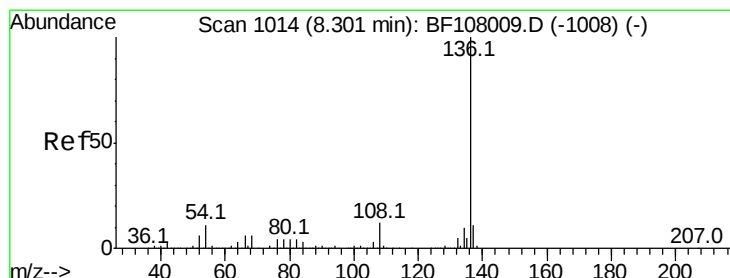
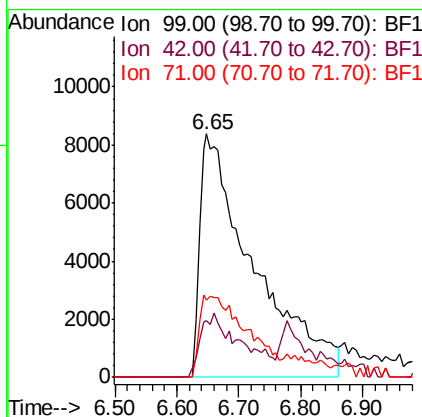
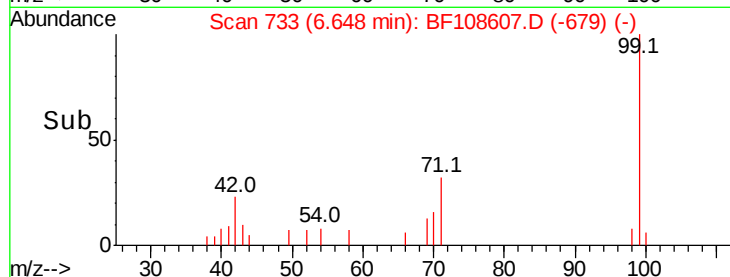
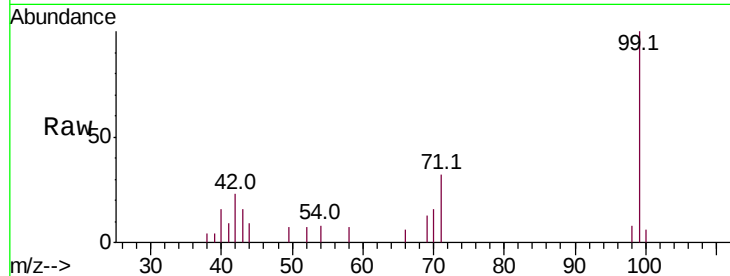
ClientSampleId :

WASTE-CLASS-HOT-SPOTDL

Tot Ion:	99	Resp:	50521
Ion Ratio	Lower	Upper	
99	100		
42	23.0	14.5	21.7#
71	31.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

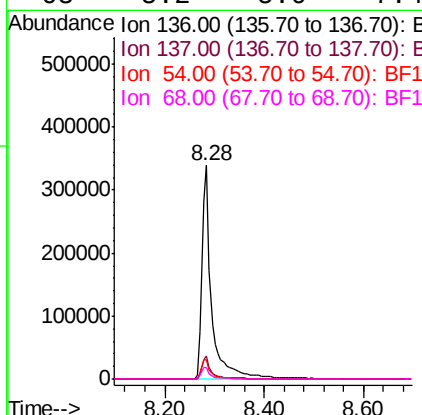
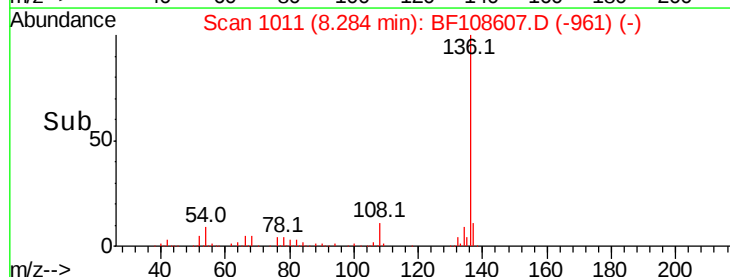
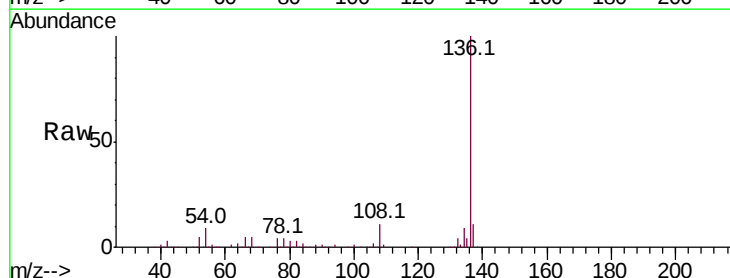
RT: 8.28 min Scan# 1011

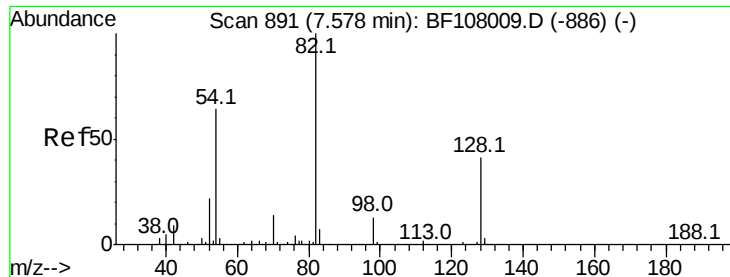
Delta R.T. -0.01 min

Lab File: BF108607.D

Acq: 29 Aug 2018 16:26

Tgt Ion:	136	Resp:	458522
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.8	6.6	9.8
68	5.2	5.0	7.4





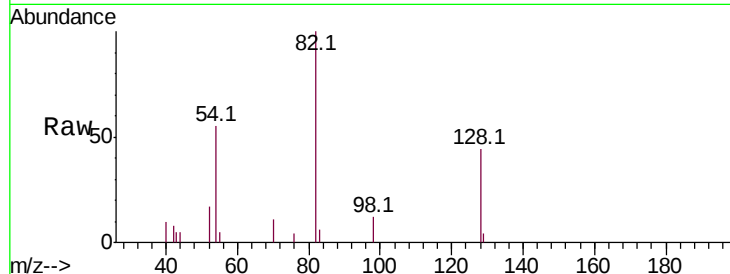
#23
Nitrobenzene-d5
Concen: 4.292 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	54.8	41.4	62.2

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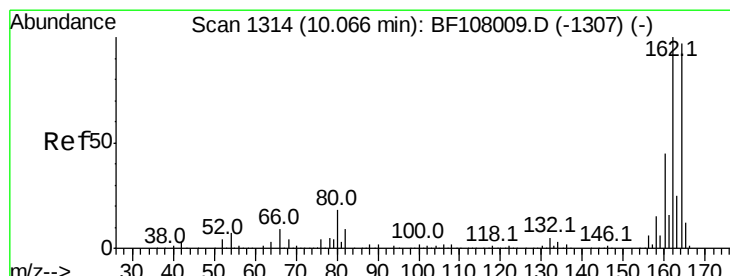
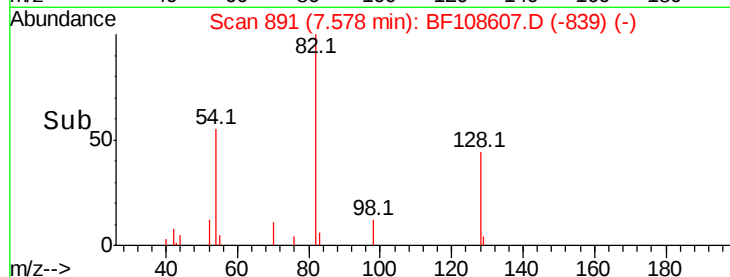
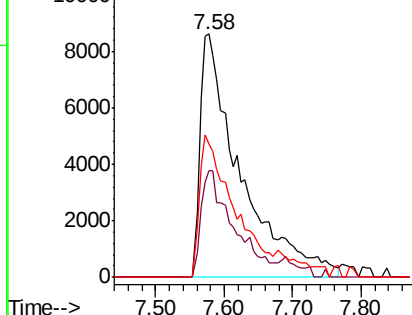


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

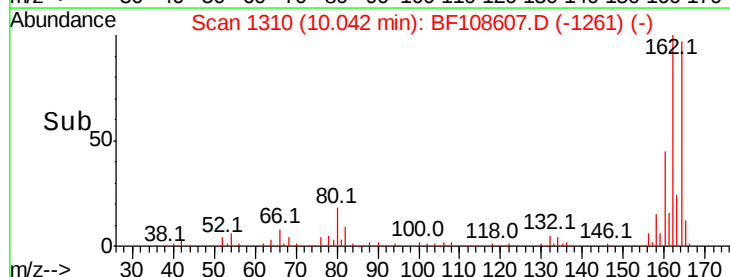
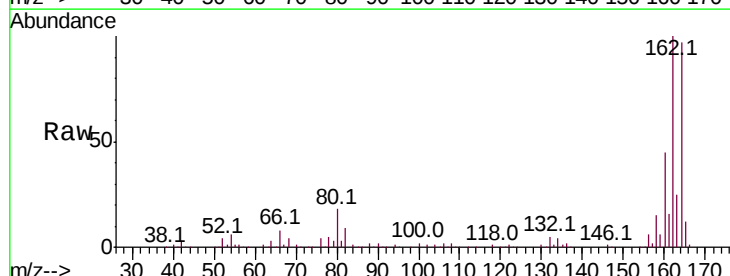
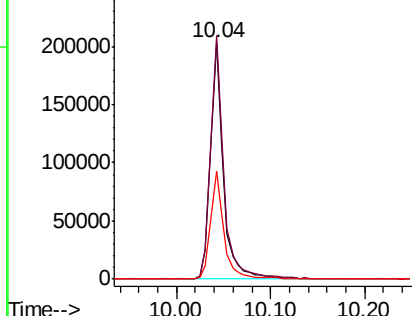
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	45.8	38.3	57.5

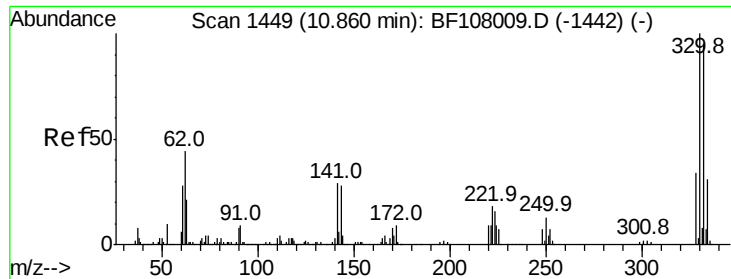
Abundance

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





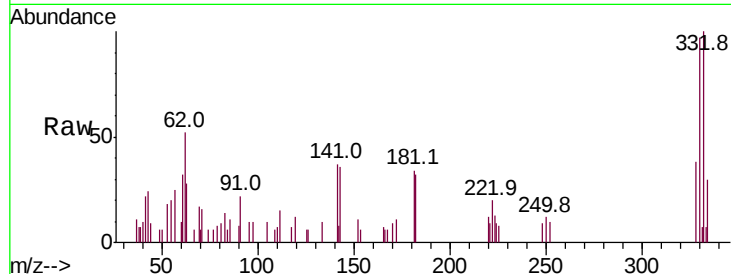
#41
 2,4,6-Tribromophenol
 Concen: 4.688 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

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

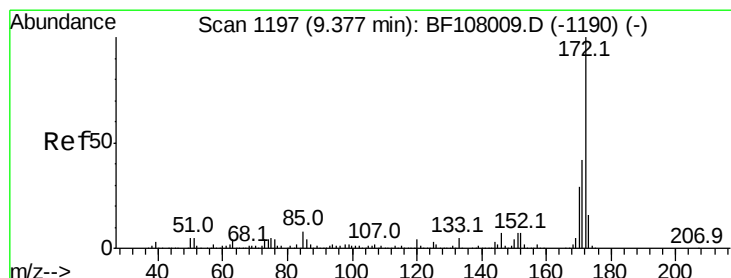
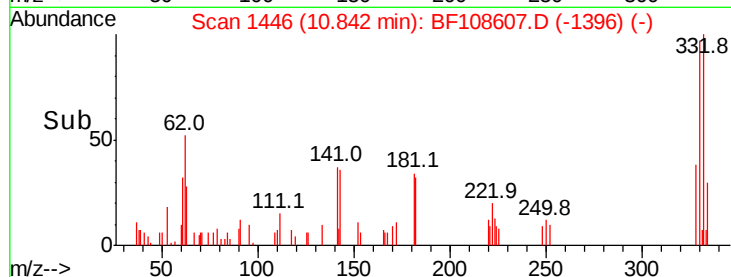
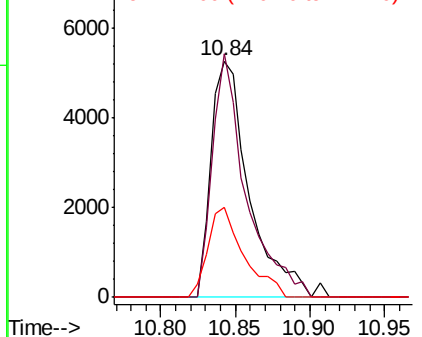
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	90.3	77.0	115.6	
141	35.5	29.9	44.9	

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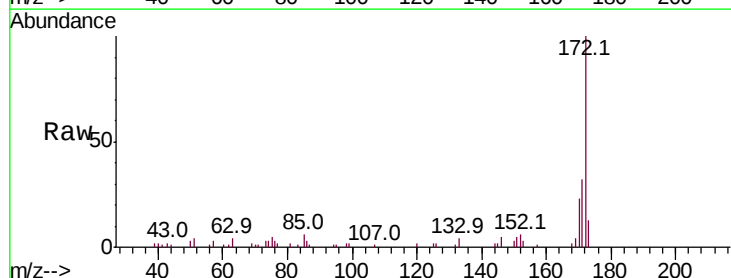


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

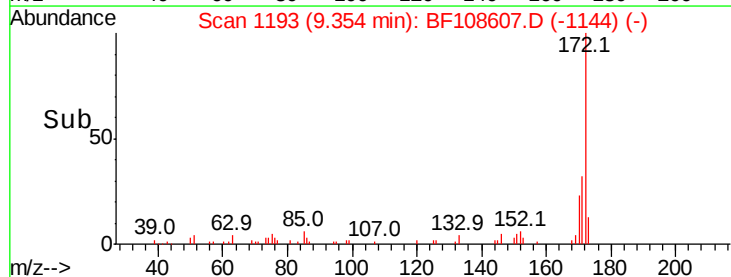
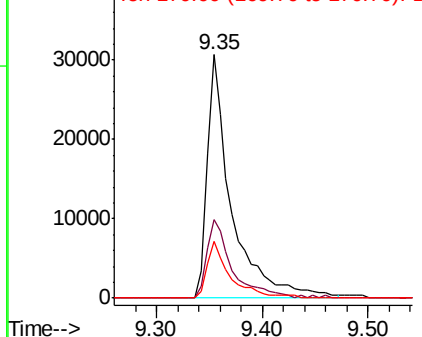


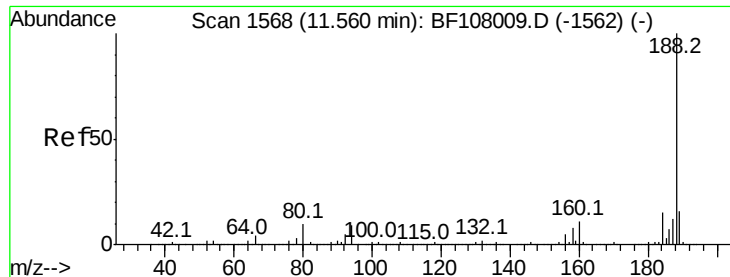
#44
 2-Fluorobiphenyl
 Concen: 3.883 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	32.4	29.7	44.5	
170	23.4	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





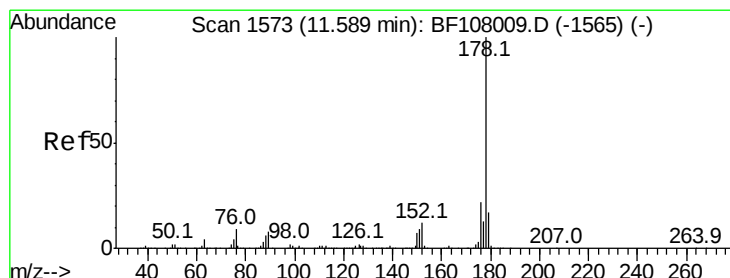
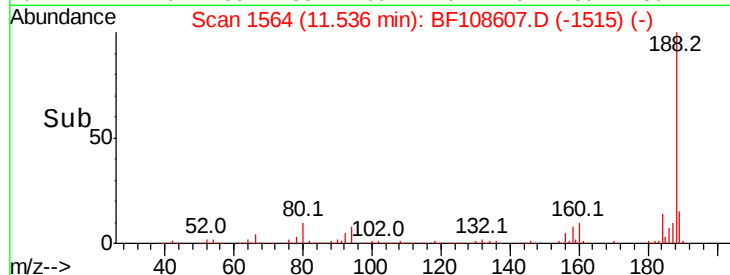
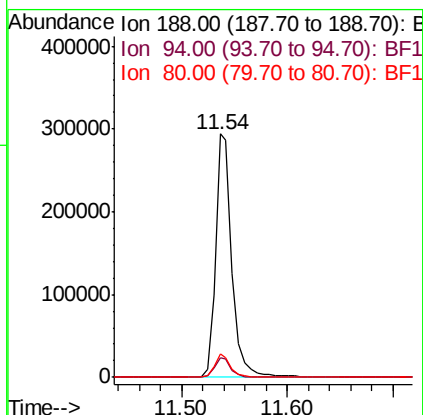
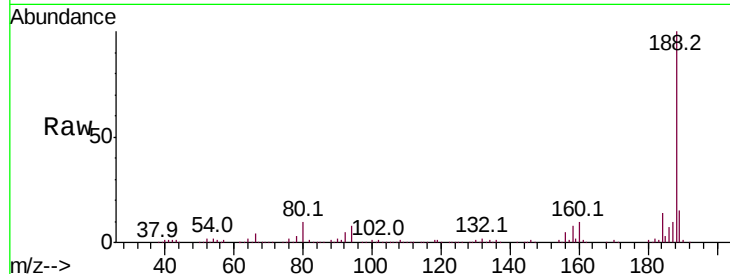
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	321134		
94	8.3		8.5	12.7#
80	9.5		9.2	13.8

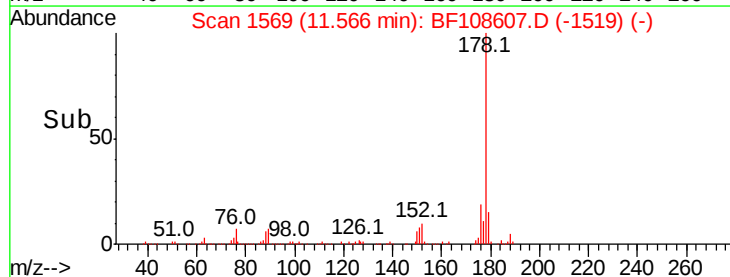
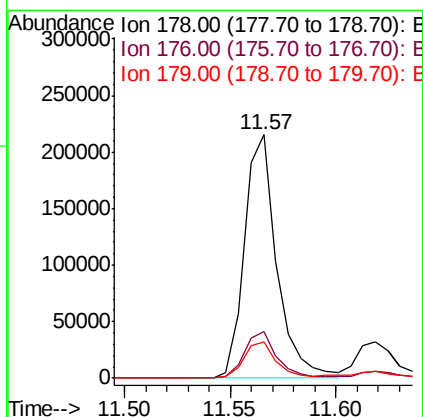
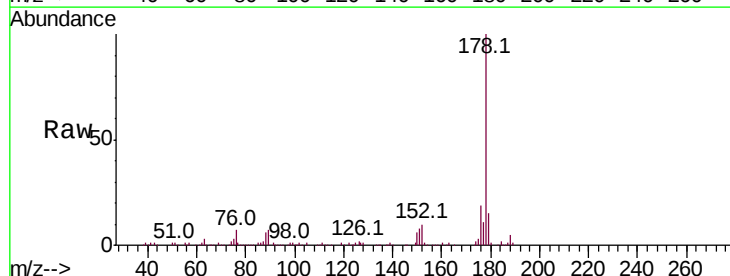
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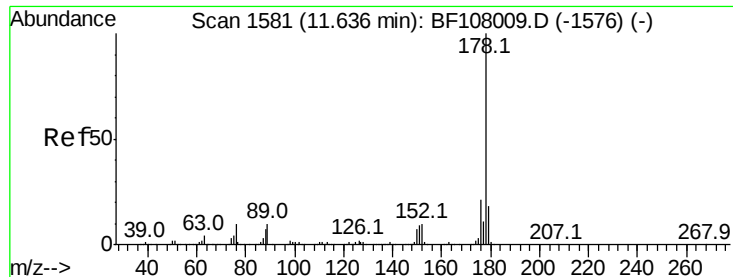
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#70
Phenanthrene
Concen: 15.070 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	228258		
176	19.3		15.8	23.8
179	15.1		13.0	19.6





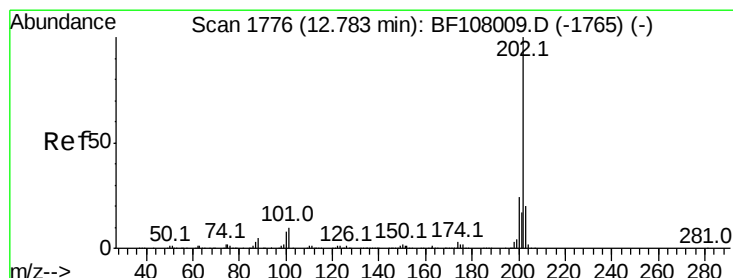
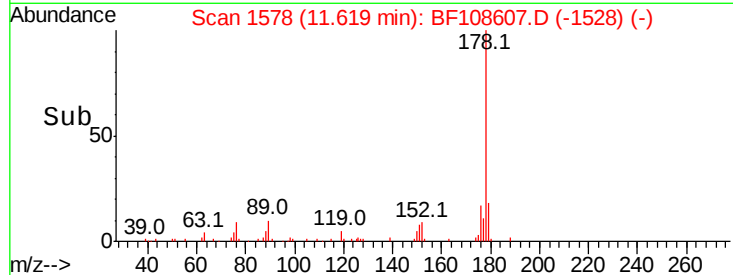
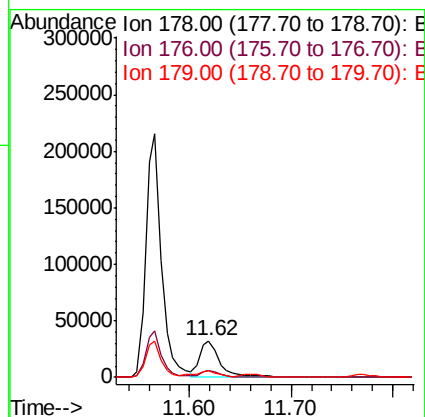
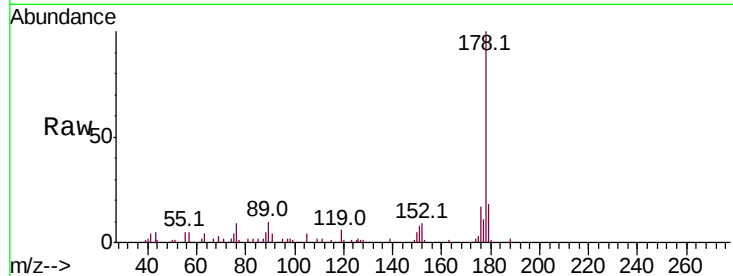
#71
 Anthracene
 Concen: 2.934 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

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

Tot Ion:	178	Resp:	45553
Ion Ratio	Lower	Upper	
178	100		
176	17.1	15.4	23.2
179	18.0	12.6	19.0

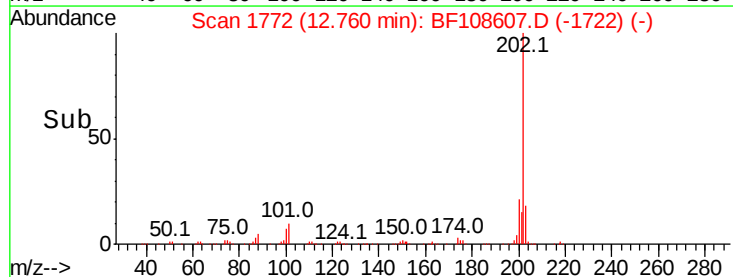
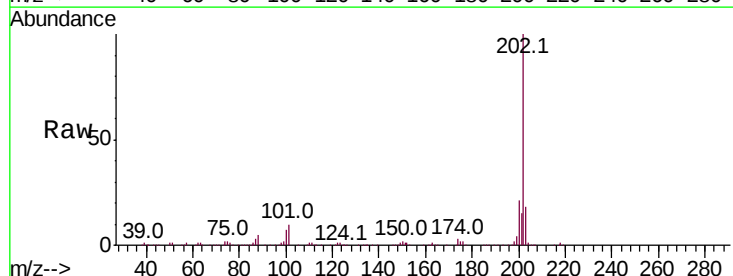
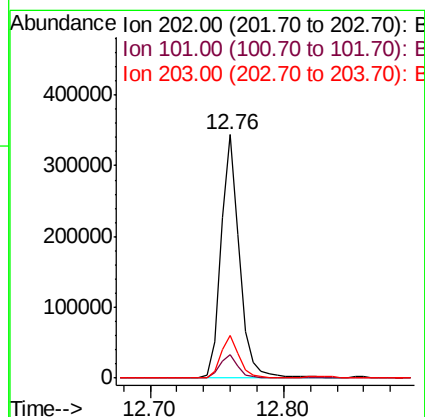
Manual Integrations
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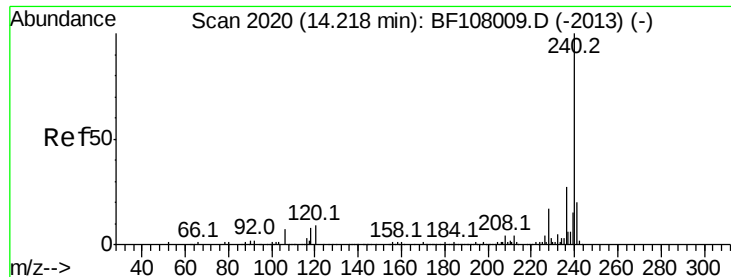
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#74
 Fluoranthene
 Concen: 20.272 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

Tgt Ion:	202	Resp:	335111
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108607.D

Acq: 29 Aug 2018 16:26

Instrument :

BNA_F

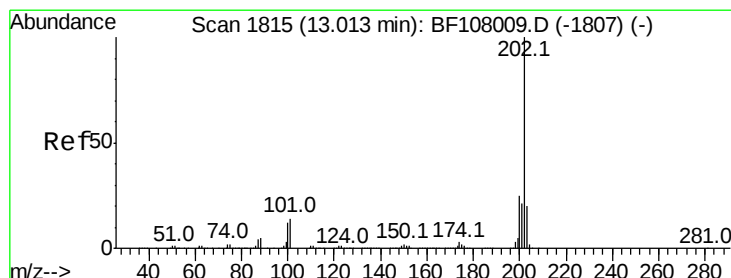
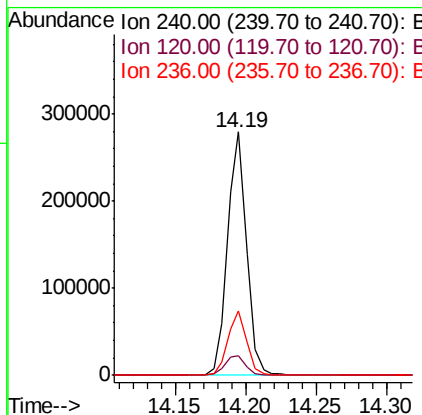
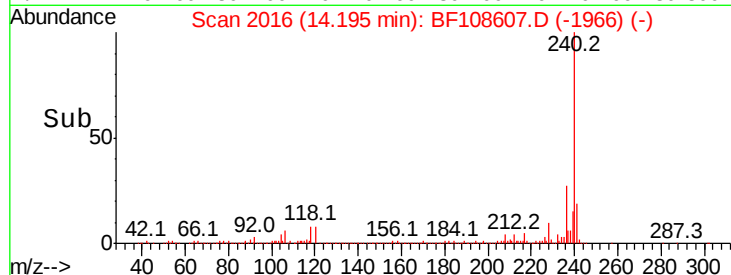
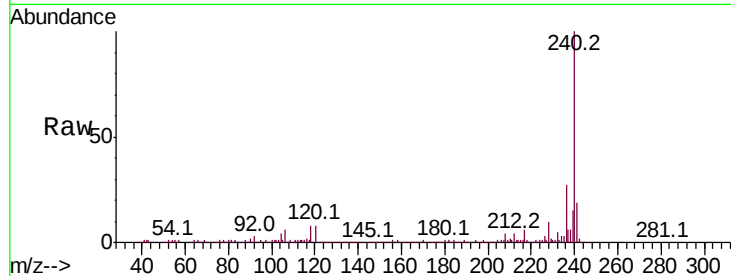
ClientSampleId :

WASTE-CLASS-HOT-SPOTDL

Tot Ion:	240	Resp:	260133
Ion Ratio	Lower	Upper	
240	100		
120	8.2	9.5	14.3#
236	26.5	20.7	31.1

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#77

Pyrene

Concen: 16.617 ng

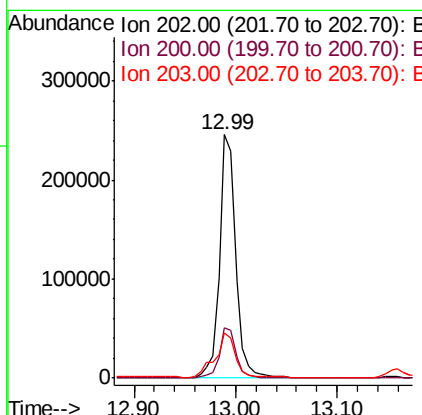
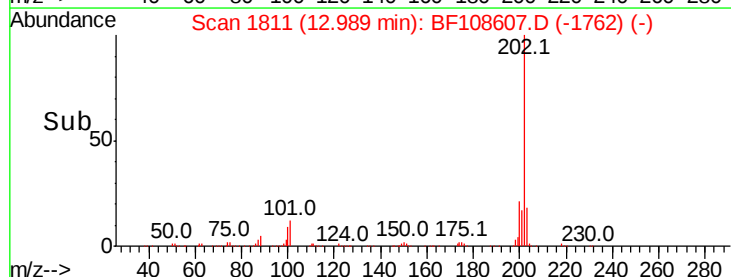
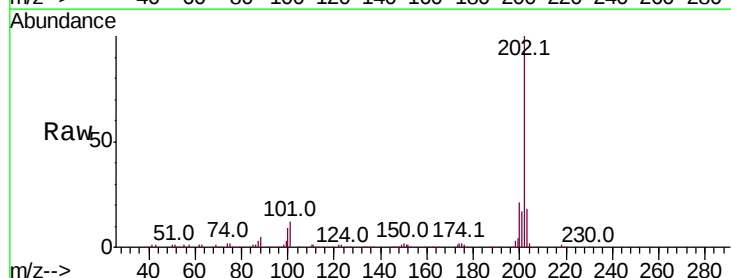
RT: 12.99 min Scan# 1811

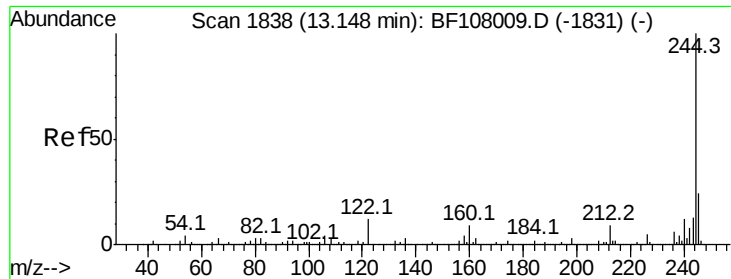
Delta R.T. -0.01 min

Lab File: BF108607.D

Acq: 29 Aug 2018 16:26

Tgt Ion:	202	Resp:	273665
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	18.3	14.3	21.5





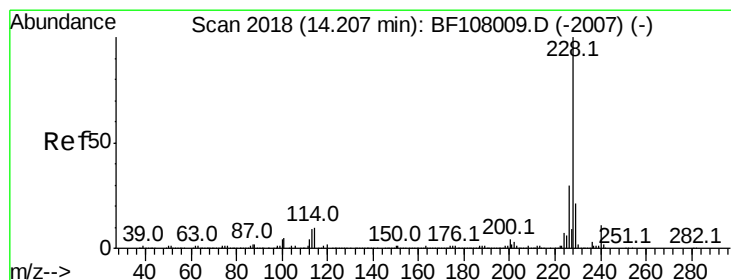
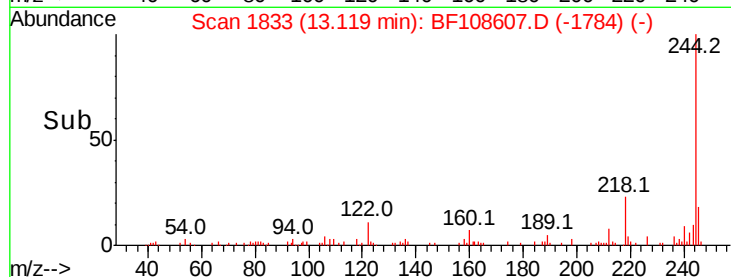
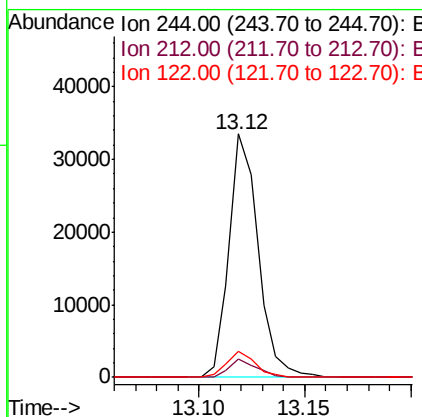
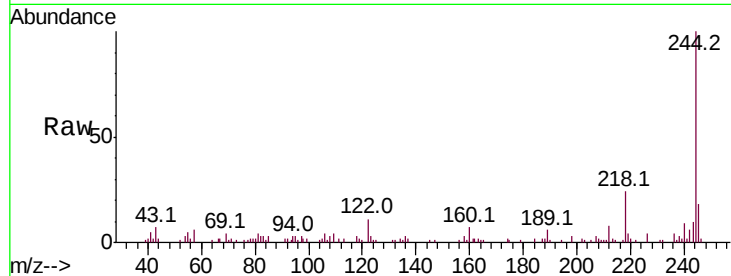
#78
 Terphenyl-d14
 Concen: 3.123 ng
 RT: 13.12 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.4	8.0
122	10.5	11.0	16.4

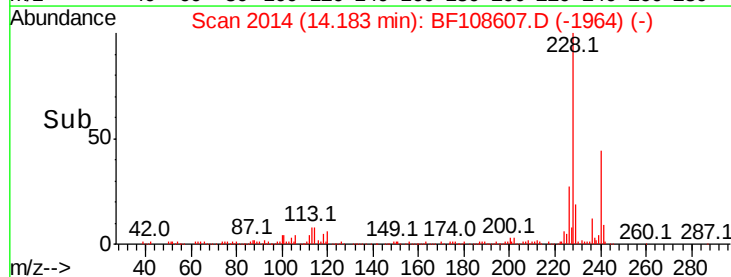
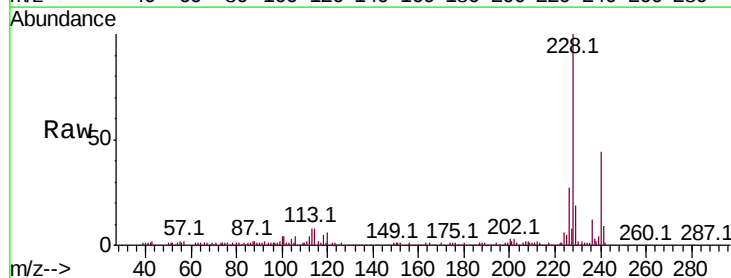
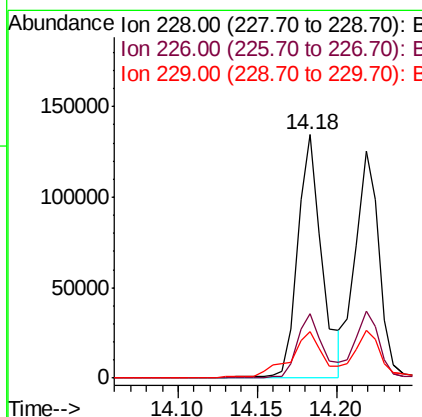
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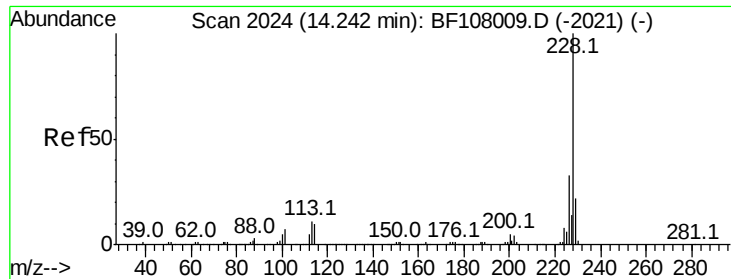
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#80
 Benzo(a)anthracene
 Concen: 9.539 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	19.0	15.8	23.6





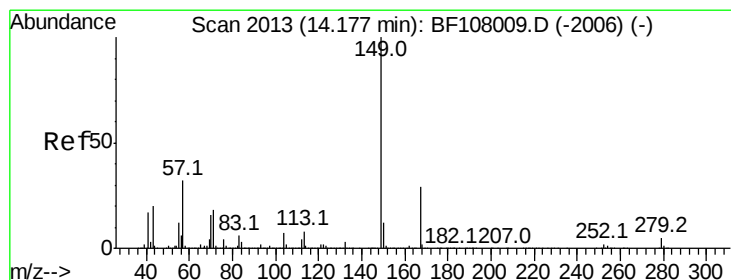
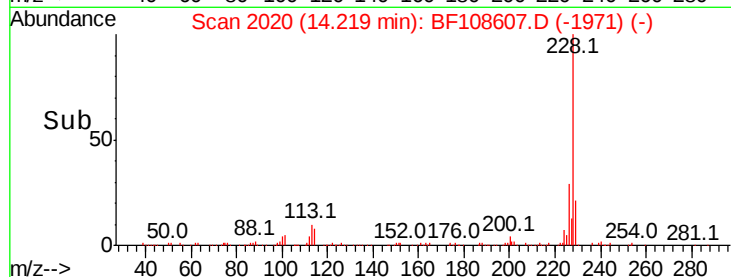
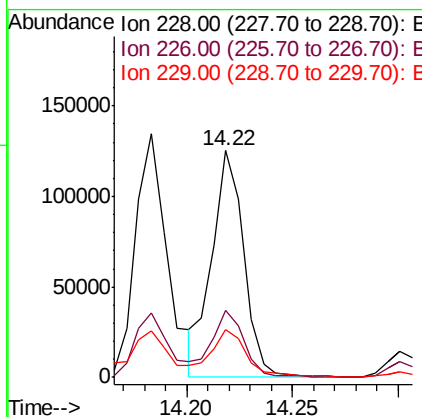
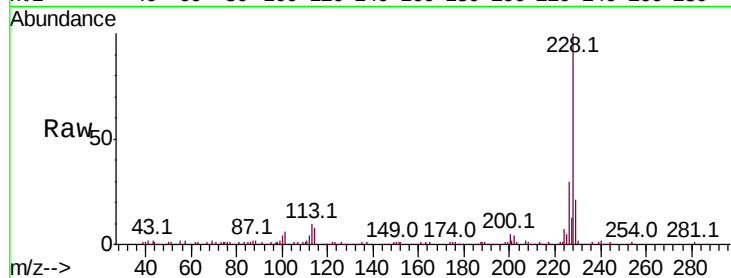
#82
 Chrysene
 Concen: 9.638 ng
 RT: 14.22 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	21.0	16.2	24.4

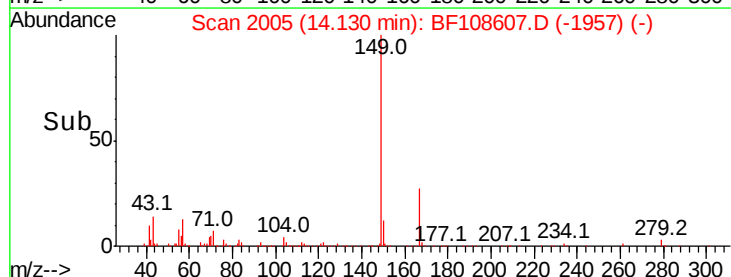
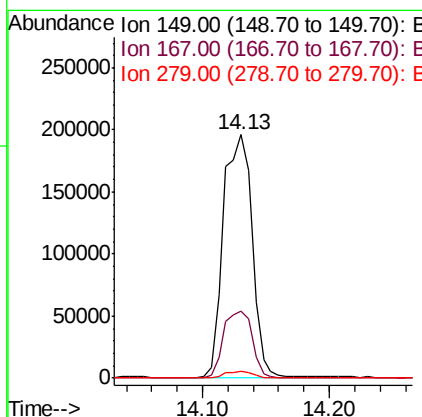
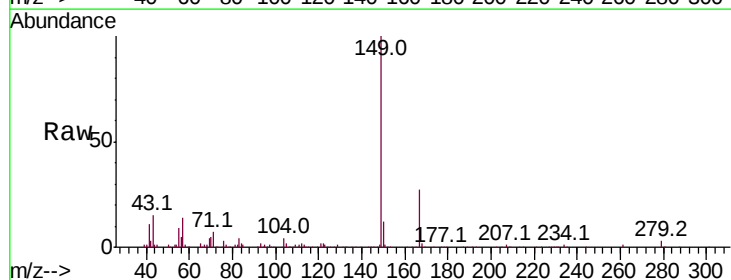
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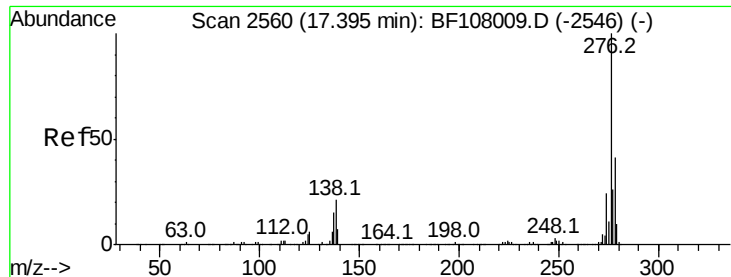
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 34.606 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.3	31.9
279	2.6	3.0	4.4#





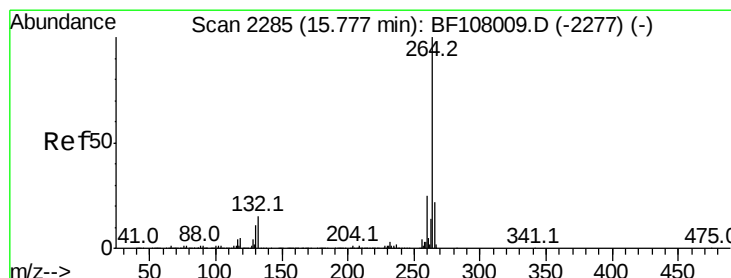
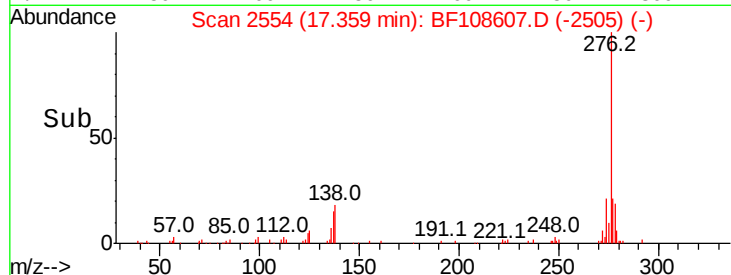
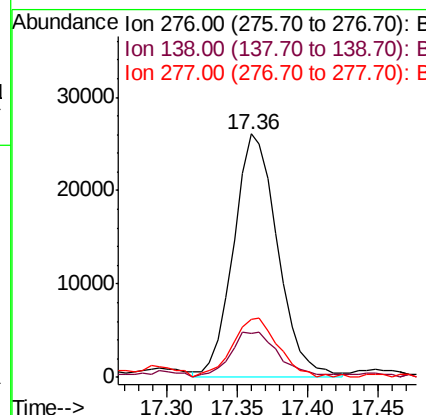
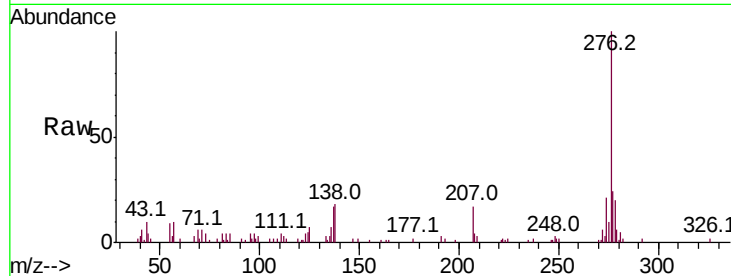
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.804 ng
 RT: 17.36 min Scan# 2554
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	25.0	37.6#
277	25.3	20.1	30.1

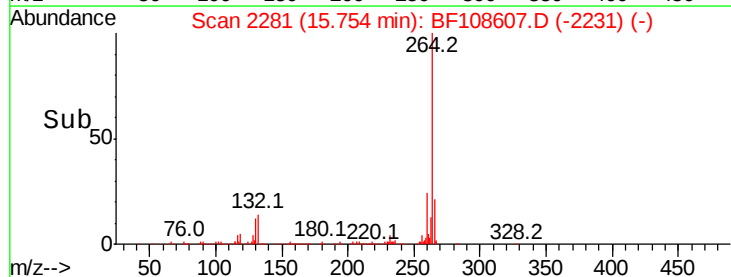
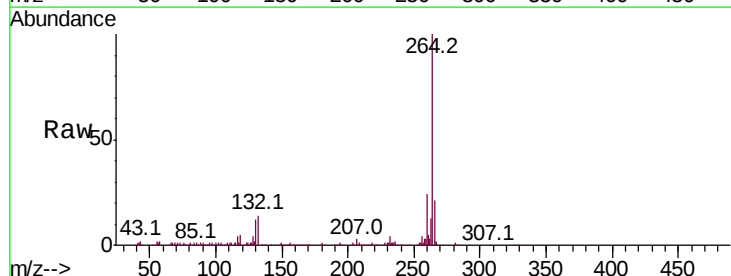
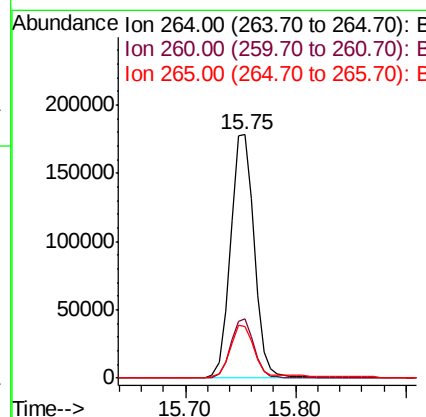
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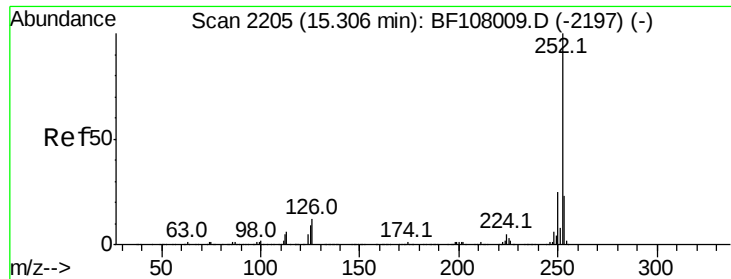
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2281
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.1	17.5	26.3





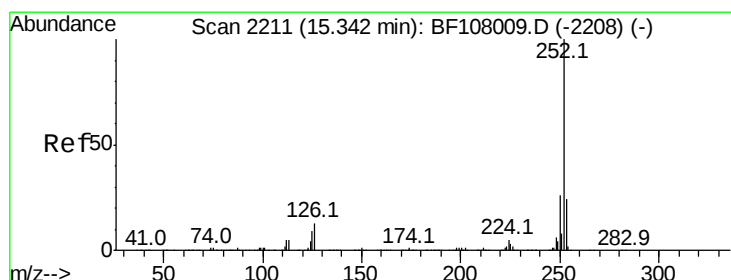
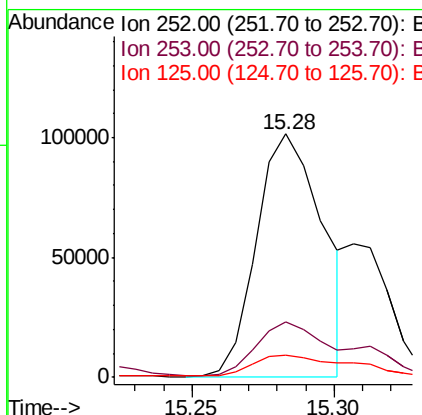
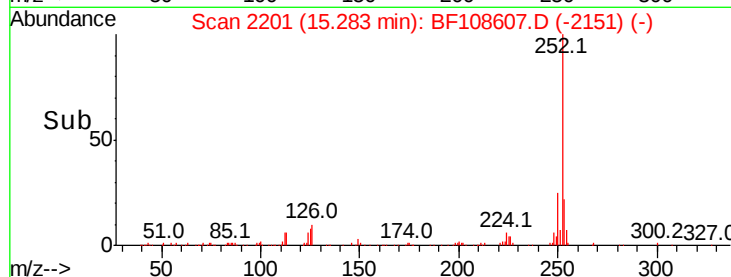
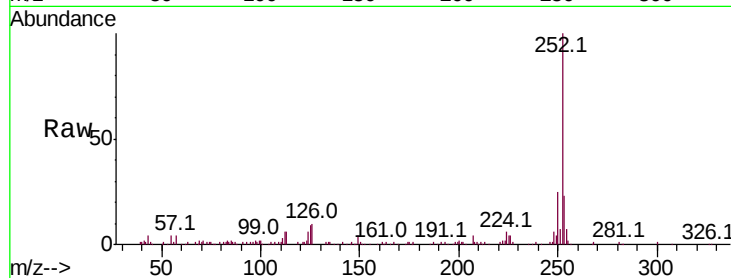
#87
Benzo(b)fluoranthene
Concen: 10.118 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	9.1	9.0	13.6

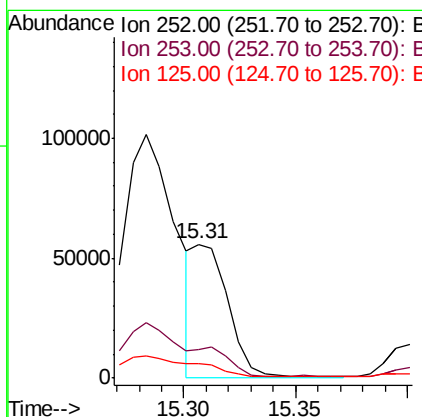
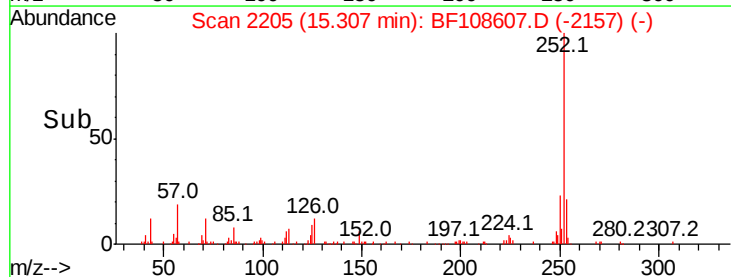
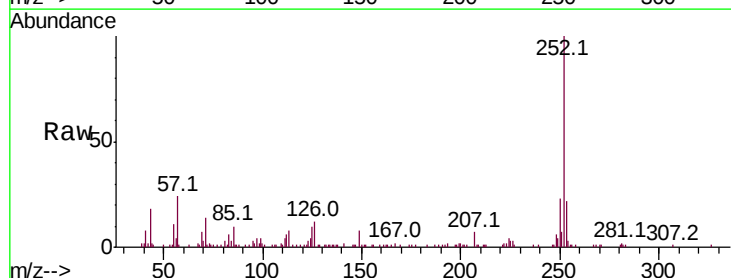
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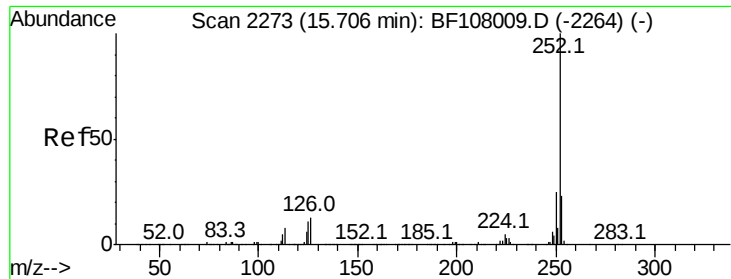
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#88
Benzo(k)fluoranthene
Concen: 4.134 ng m
RT: 15.31 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	10.3	10.2	15.2





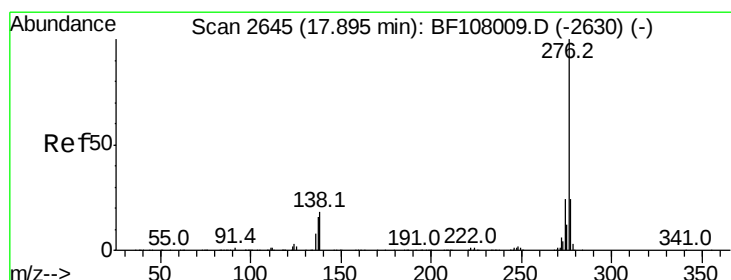
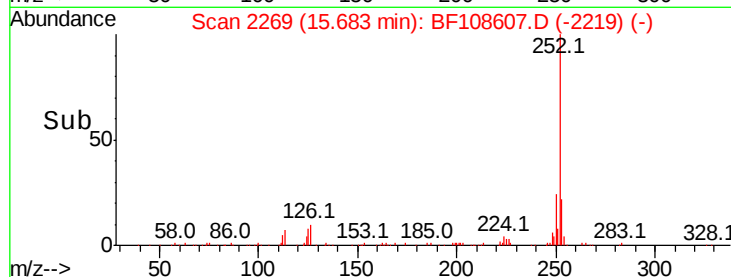
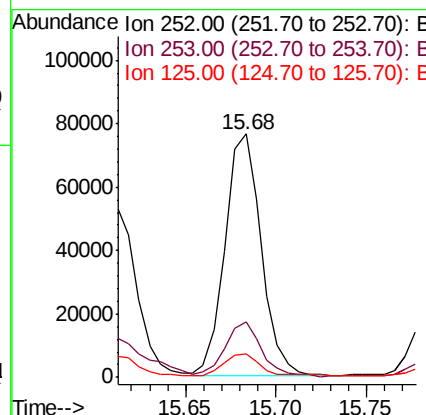
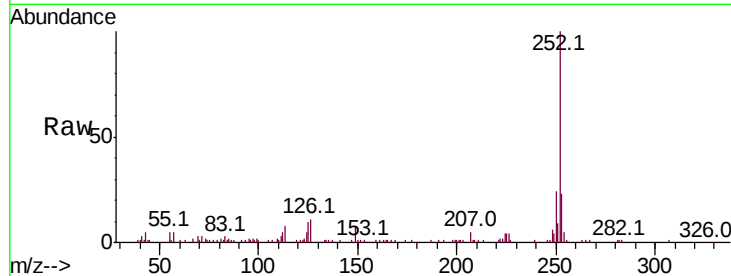
#89
Benzo(a)pyrene
Concen: 7.346 ng/mL
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	9.7	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.229 ng/mL
RT: 17.86 min Scan# 2639
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	19.6	21.8	32.8

