

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104667.D
 Acq On : 20 Apr 2018 12:07
 Operator : JU/SJ
 Sample : J2407-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-A

Manual Integrations
 APPROVED

Sohil
 4/23/2018 2:18:07 PM

Quant Time: Apr 20 14:58:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 20 14:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	105051	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	388005	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	120465	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	248618	20.00	ng	0.00
75) Chrysene-d12	13.98	240	252743	20.00	ng	0.00
86) Perylene-d12	15.44	264	250051	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	566982	82.53	ng	0.00
7) Phenol-d6	6.44	99	681599	80.74	ng	0.00
23) Nitrobenzene-d5	7.37	82	422059	71.03	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	135183	108.18	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	676486	88.71	ng	0.00
78) Terphenyl-d14	12.92	244	596295	53.79	ng	0.00
Target Compounds						
22) Acetophenone	7.21	105	38280	4.007	ng	Qvalue # 92
31) Naphthalene	8.10	128	65794	3.405	ng	99
37) 2-Methylnaphthalene	8.80	142	34379	2.751	ng	97
48) Acenaphthylene	9.70	152	45853	3.656	ng	98
49) Dimethylphthalate	9.55	163	74267	7.818	ng	100
51) Acenaphthene	9.87	154	37718	4.929	ng	98
54) Dibenzofuran	10.05	168	44024	4.128	ng	97
57) Fluorene	10.39	166	46177	5.949	ng	99
70) Phenanthrene	11.35	178	438563	31.676	ng	100
71) Anthracene	11.40	178	168468	11.970	ng	98
72) Carbazole	11.56	167	39875	2.899	ng	98
74) Fluoranthene	12.54	202	719850	49.762	ng	100
77) Pyrene	12.77	202	705140	37.639	ng	100
80) Benzo(a)anthracene	13.97	228	384130	25.441	ng	96
82) Chrysene	14.00	228	358167	23.094	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	26645	2.347	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	172598m	13.101	ng	
87) Benzo(b)fluoranthene	15.02	252	497987m	31.533	ng	
88) Benzo(k)fluoranthene	15.04	252	180383m	12.098	ng	
89) Benzo(a)pyrene	15.39	252	319608	22.618	ng	97
90) Dibenzo(a,h)anthracene	16.90	278	44546	3.838	ng	# 87
91) Benzo(g,h,i)perylene	17.34	276	167263	14.876	ng	95

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

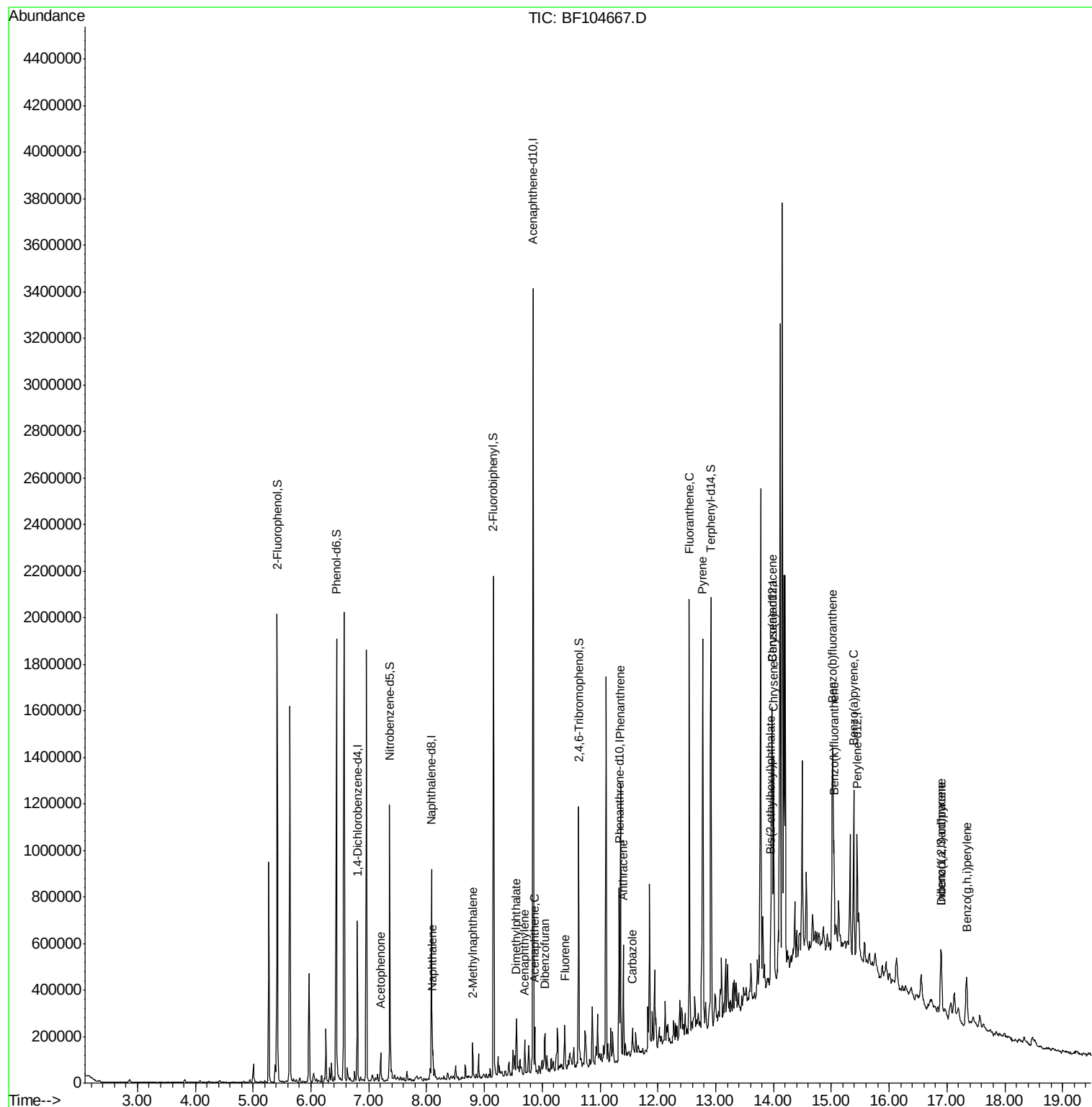
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
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Sample : J2407-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

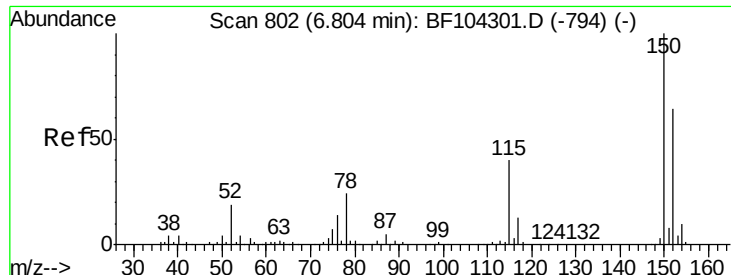
Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

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Quant Time: Apr 20 14:58:04 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 20 14:49:55 2018
Response via : Initial Calibration





#1

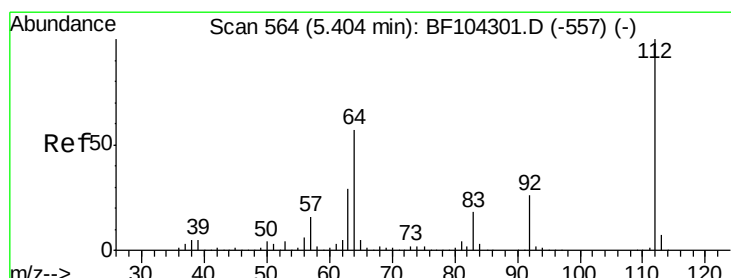
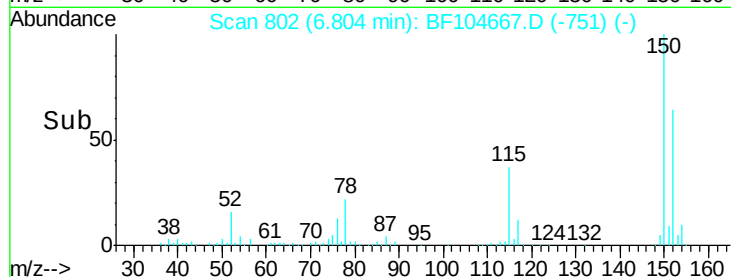
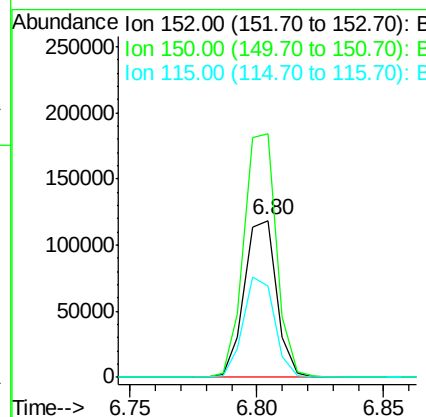
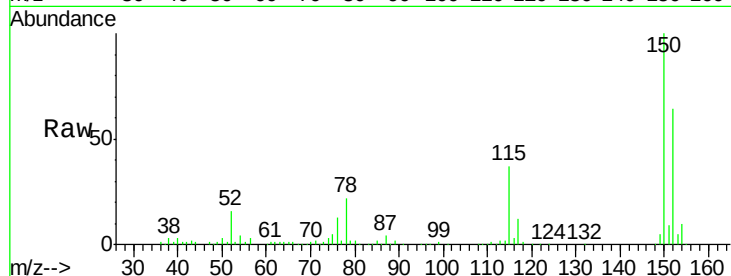
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	58.1	50.1	75.1

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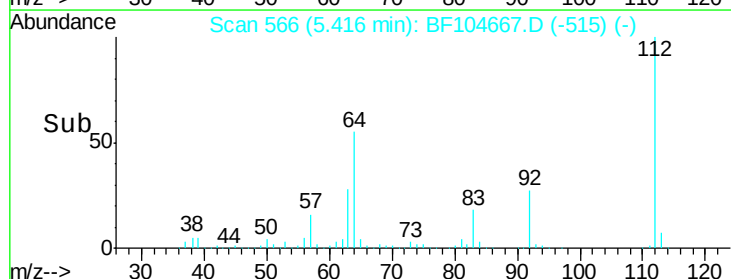
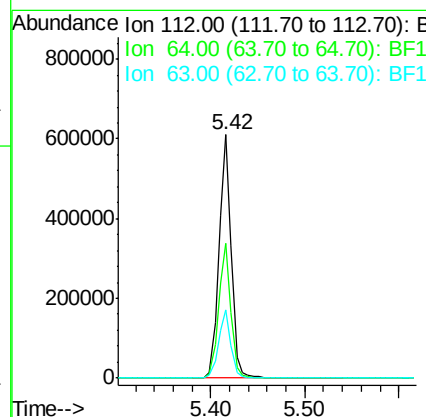
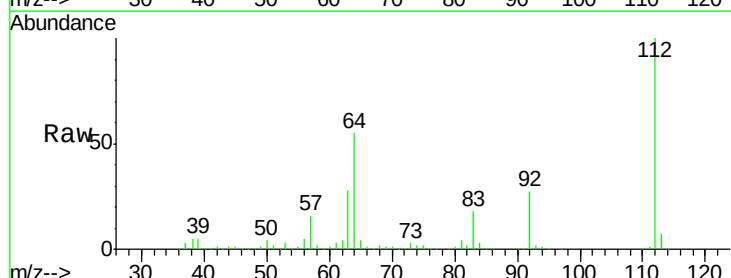
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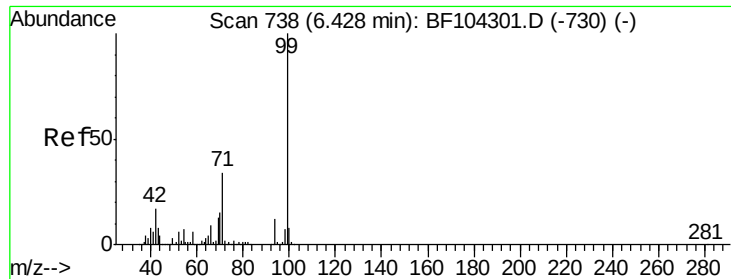


#5

2-Fluorophenol
Concen: 82.526 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 80.745 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Instrument :

BNA_F

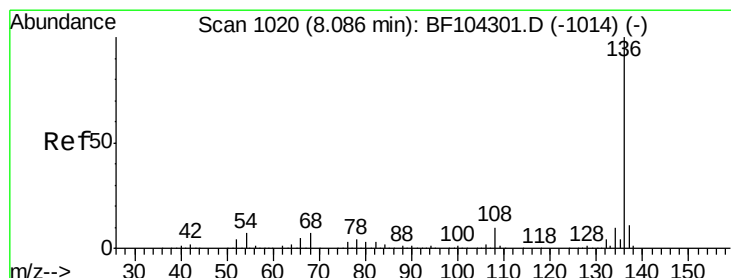
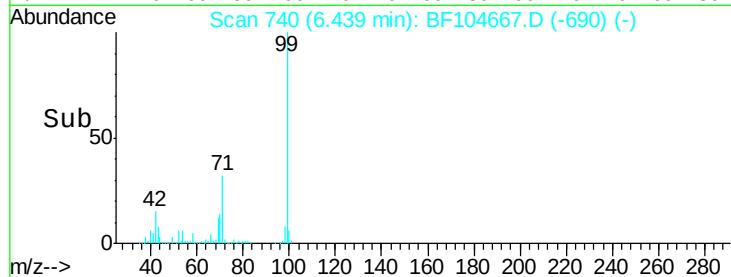
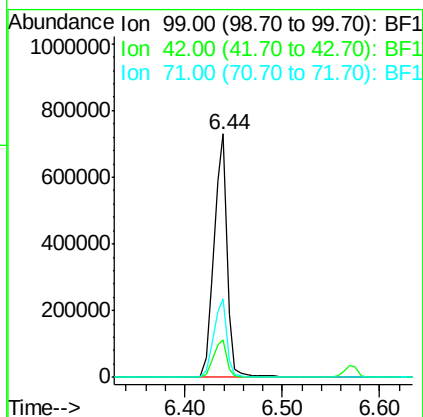
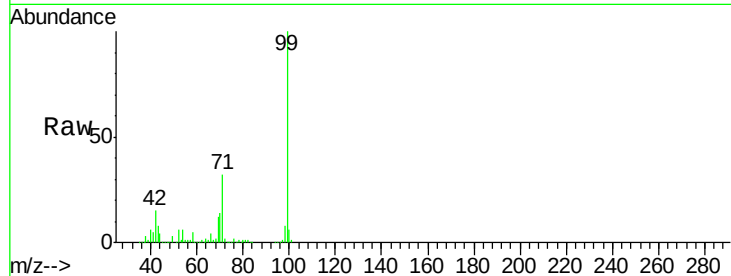
ClientSampleId :

SPOILS-ICTF-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		681599		
42	15.4	14.5	21.7		
71	32.2	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

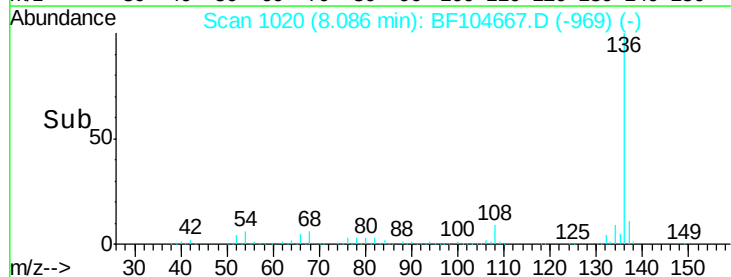
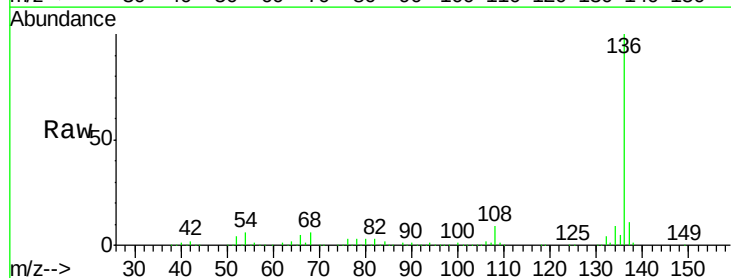
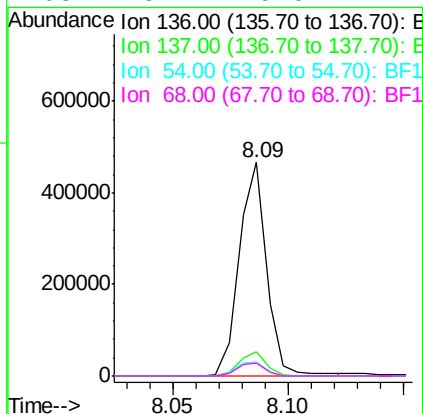
RT: 8.09 min Scan# 1020

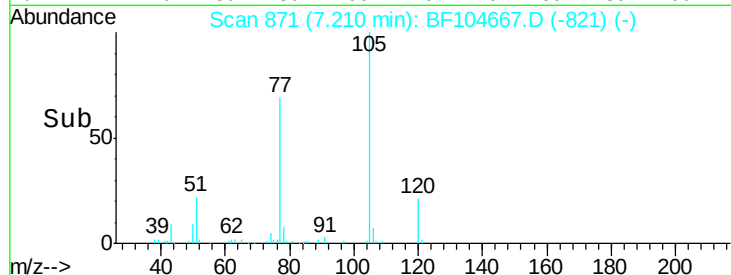
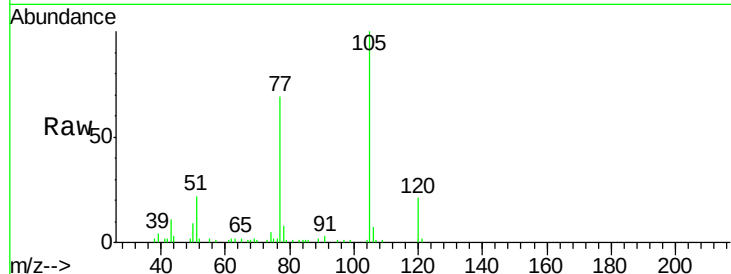
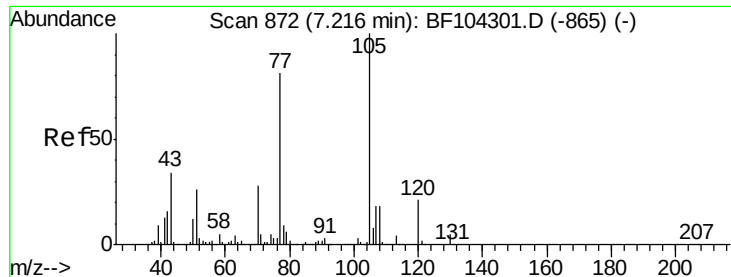
Delta R.T. -0.00 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		388005		
137	11.2	8.9	13.3		
54	6.4	6.6	9.8		
68	5.7	5.0	7.4		





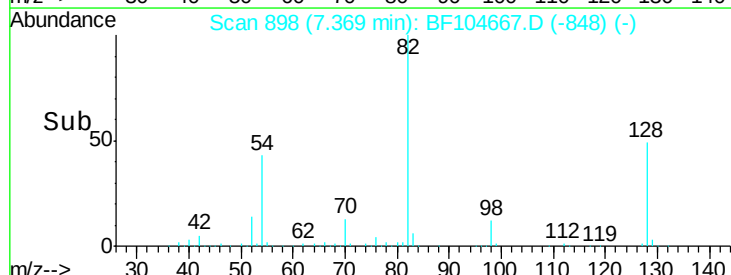
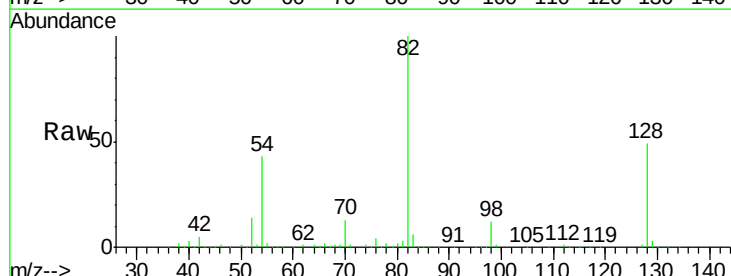
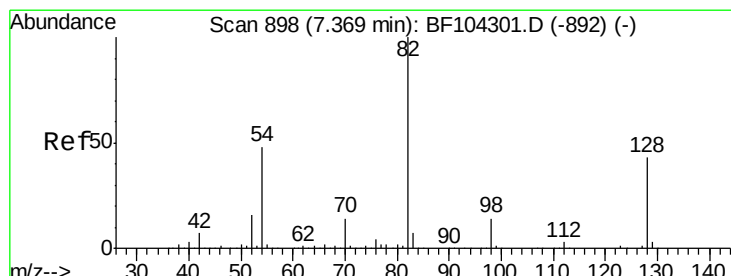
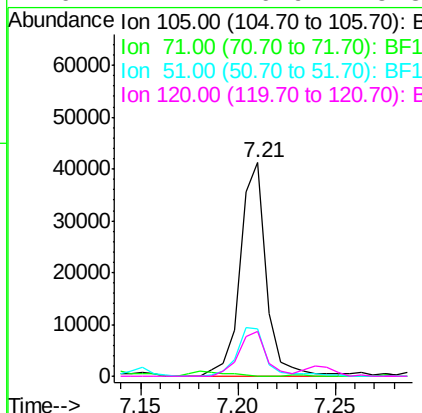
#22
Acetophenone
Concen: 4.007 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Tot Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.4	6.6#
51	21.9	22.3	33.5#
120	21.2	16.9	25.3

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

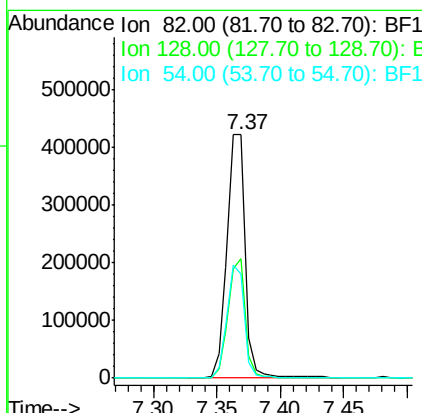
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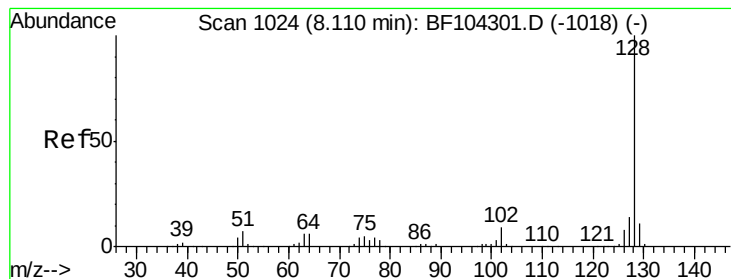
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#23
Nitrobenzene-d5
Concen: 71.029 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.8	36.1	54.1
54	42.6	41.4	62.2





#31

Naphthalene

Concen: 3.405 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Instrument :

BNA_F

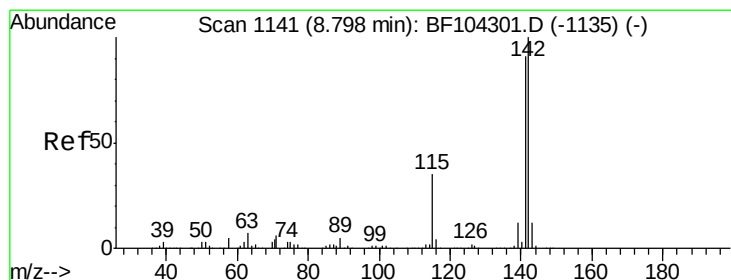
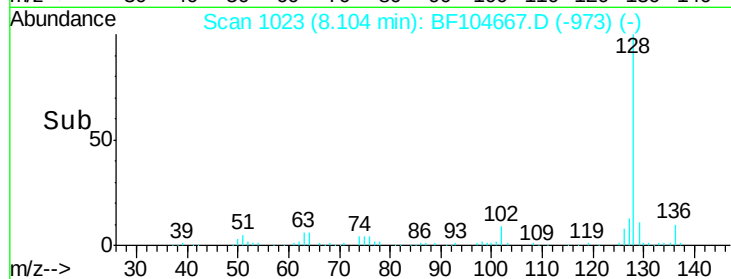
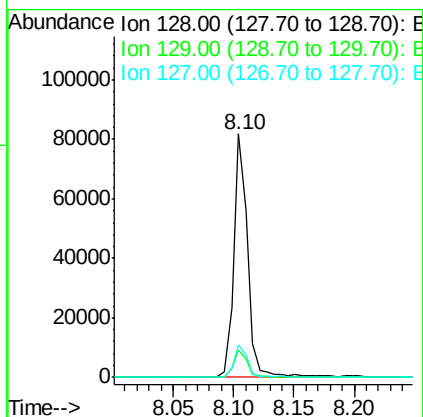
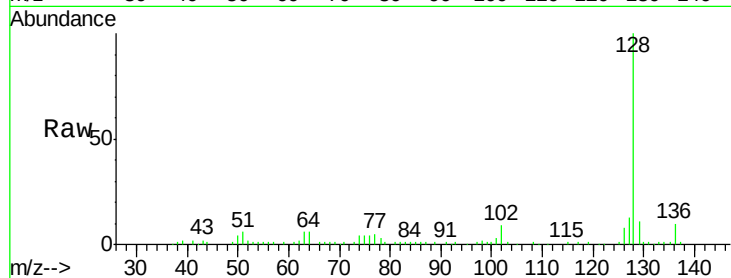
ClientSampleId :

SPOILS-ICTF-A

Tot Ion:128	Resp:	65794
Ion Ratio	Lower	Upper
128 100		
129 11.2	8.8	13.2
127 13.1	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 2.751 ng

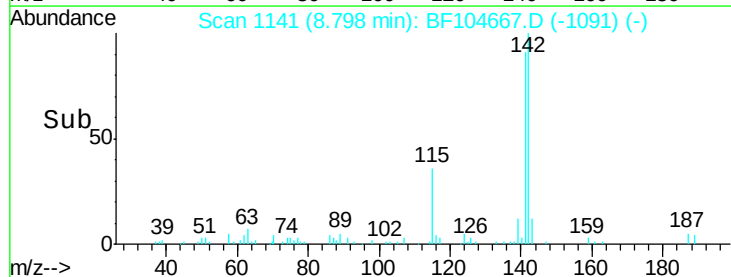
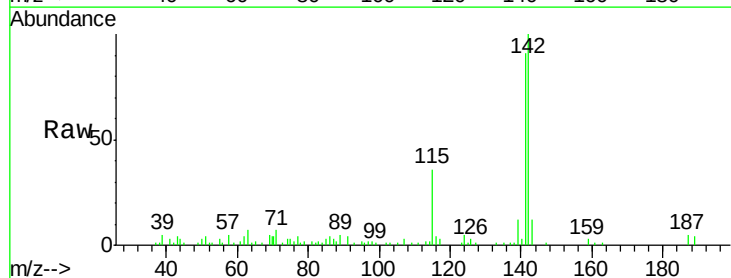
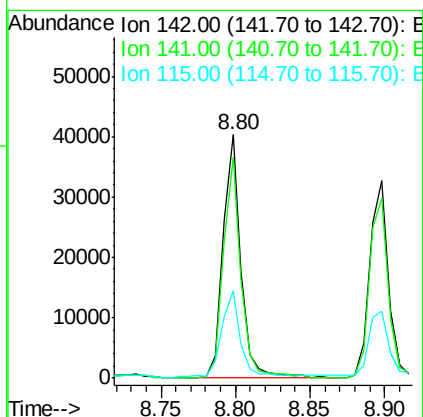
RT: 8.80 min Scan# 1141

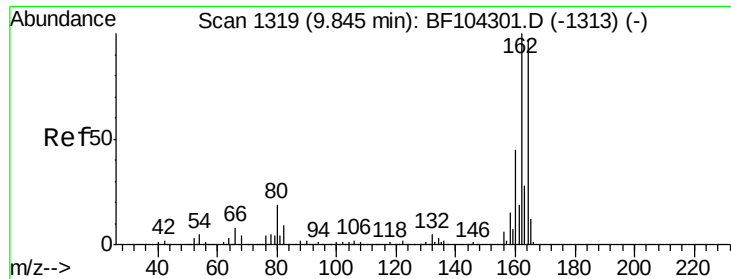
Delta R.T. -0.01 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Tgt Ion:142	Resp:	34379
Ion Ratio	Lower	Upper
142 100		
141 90.6	70.8	106.2
115 35.9	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Instrument :

BNA_F

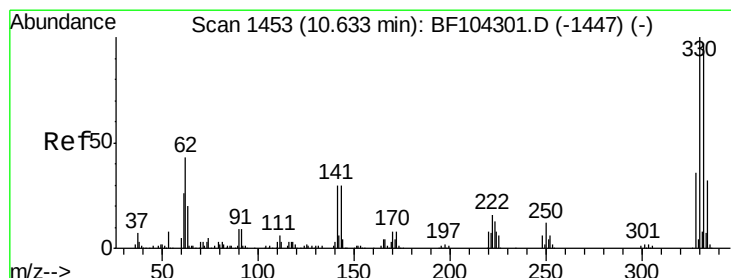
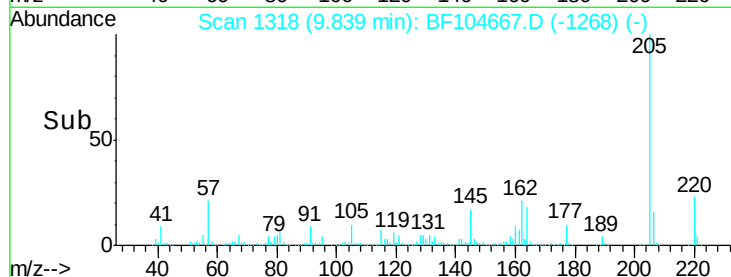
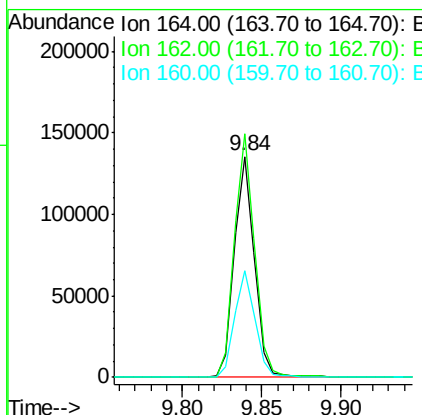
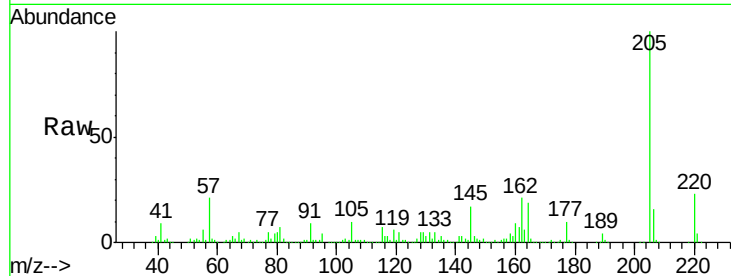
ClientSampleId :

SPOILS-ICTF-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100	120465		
162	110.1	86.1	129.1	
160	48.1	38.3	57.5	

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#41

2,4,6-Tribromophenol

Concen: 108.180 ng

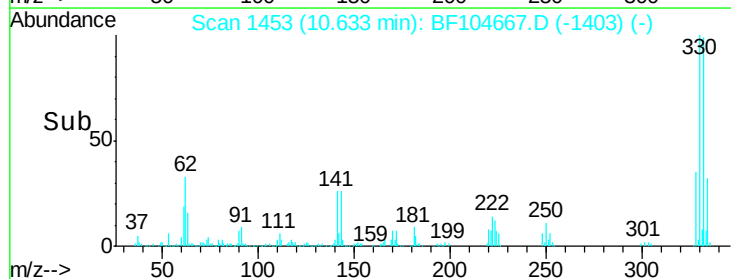
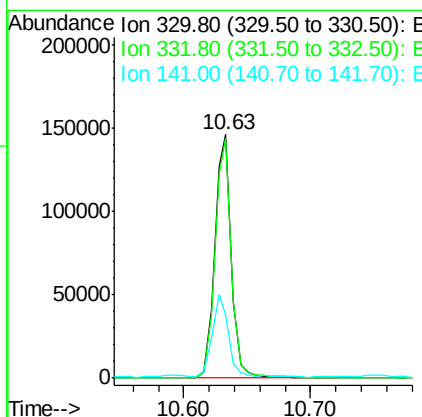
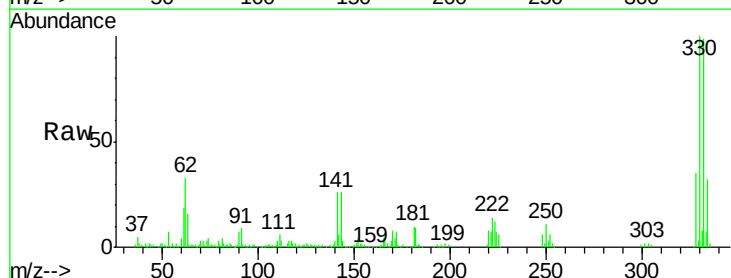
RT: 10.63 min Scan# 1453

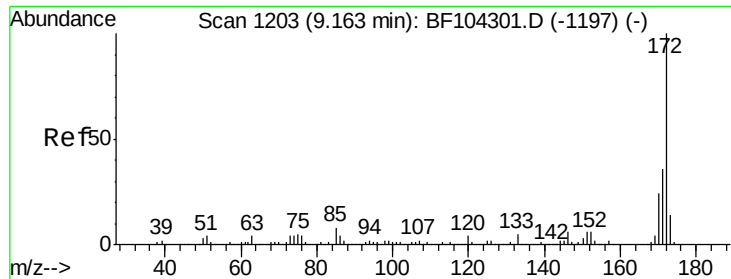
Delta R.T. -0.01 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	135183		
332	97.7	77.0	115.6	
141	32.7	29.9	44.9	





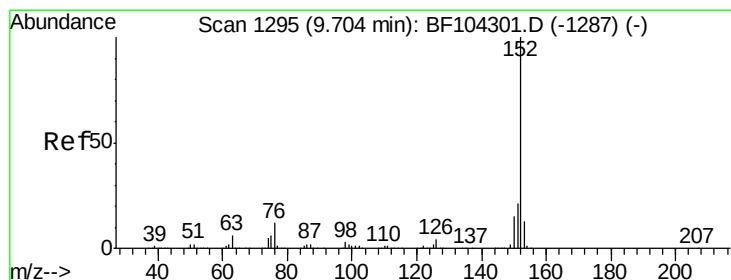
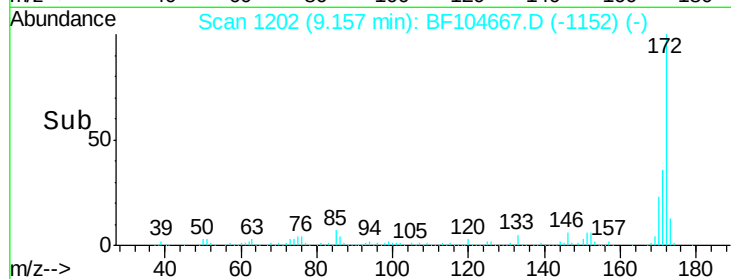
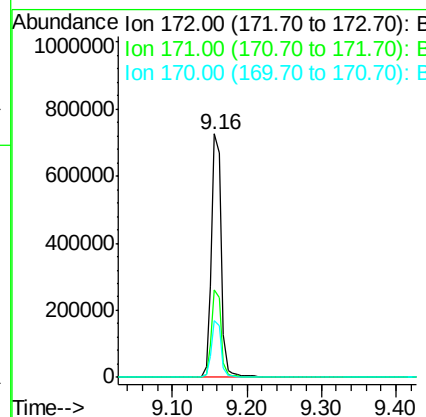
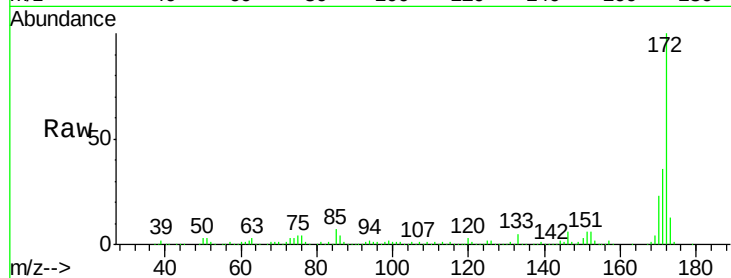
#44
2-Fluorobiphenyl
Concen: 88.713 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion	Ratio	Resp	Lower	Upper
172	100	676486		
171	36.0		29.7	44.5
170	23.3		19.6	29.4

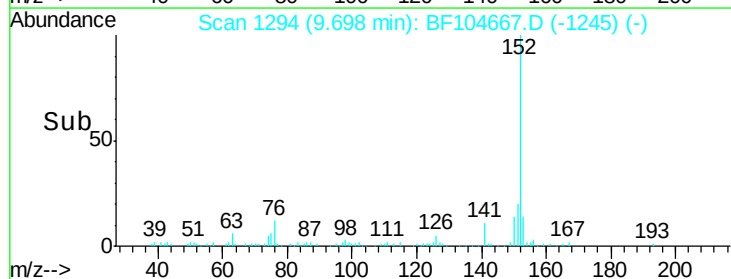
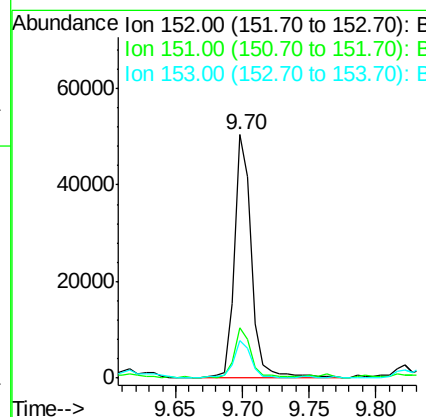
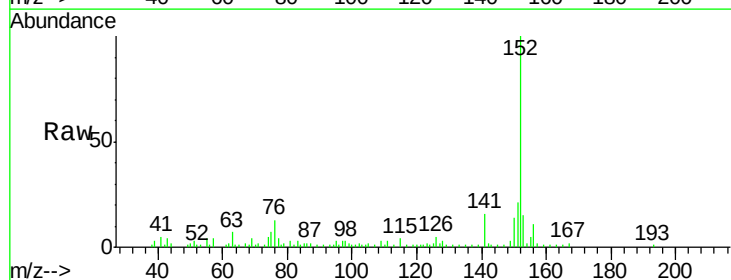
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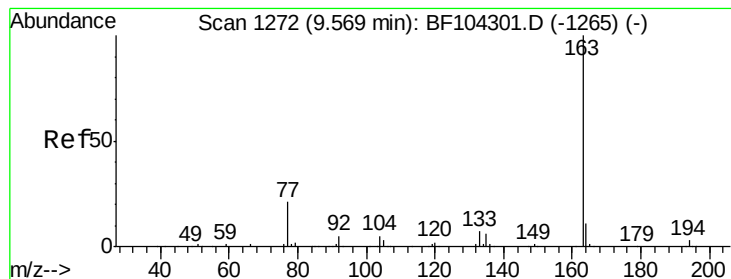
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#48
Acenaphthylene
Concen: 3.656 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	45853		
151	20.8		16.3	24.5
153	15.4		10.7	16.1





#49

Dimethylphthalate

Concen: 7.818 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Instrument :

BNA_F

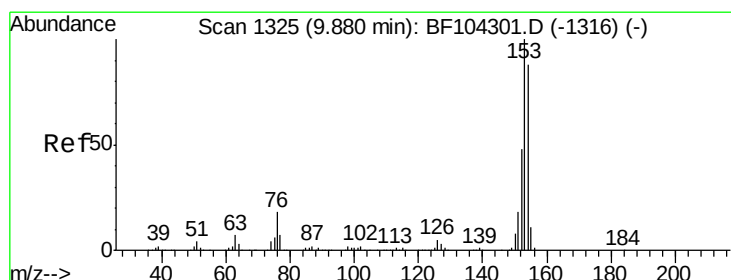
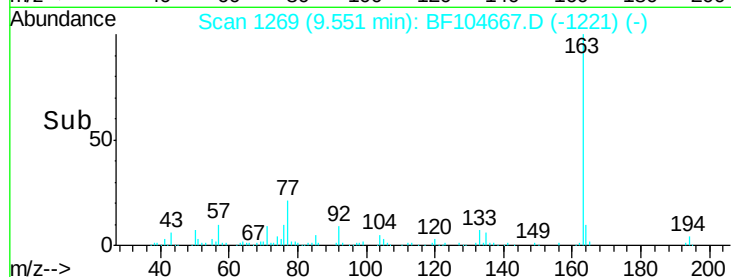
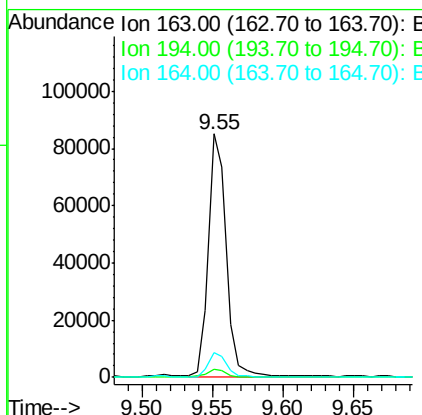
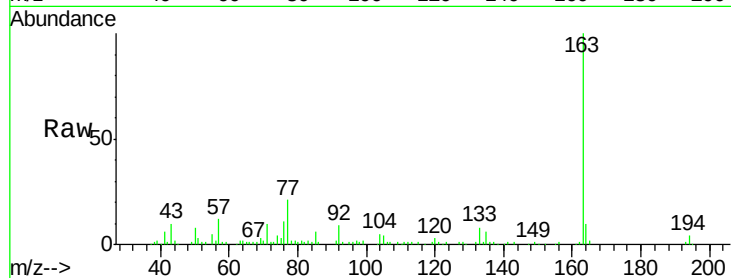
ClientSampleId :

SPOILS-ICTF-A

Tot Ion:	163	Resp:	74267
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2

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#51

Acenaphthene

Concen: 4.929 ng

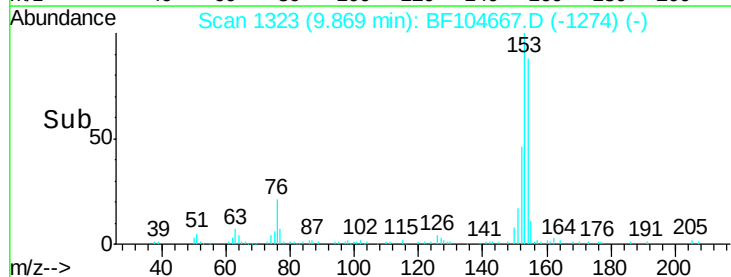
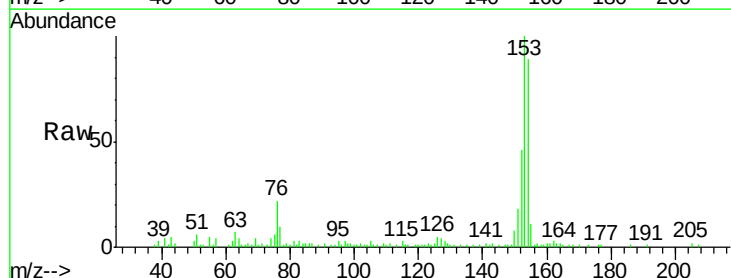
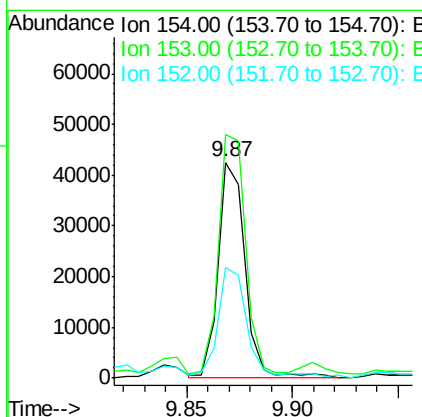
RT: 9.87 min Scan# 1323

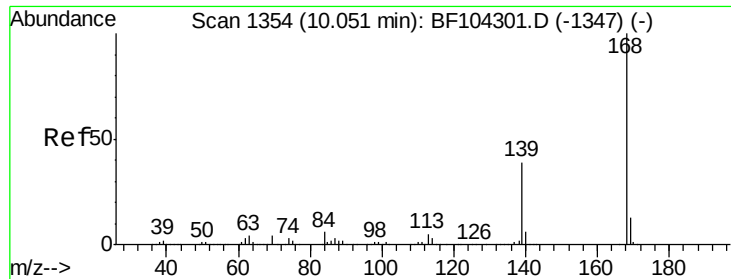
Delta R.T. -0.01 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Tgt Ion:	154	Resp:	37718
Ion Ratio	Lower	Upper	
154	100		
153	112.7	91.2	136.8
152	51.4	43.8	65.8





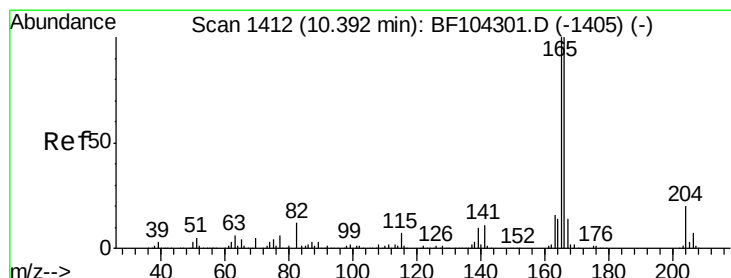
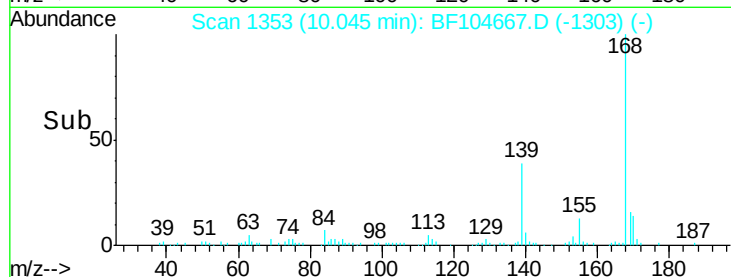
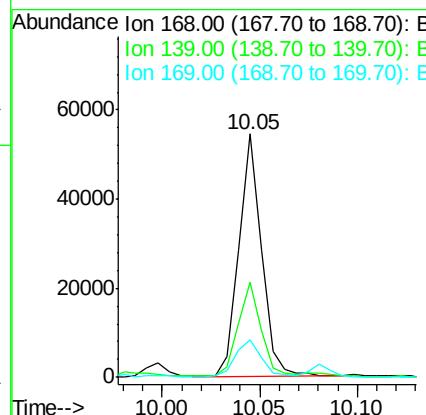
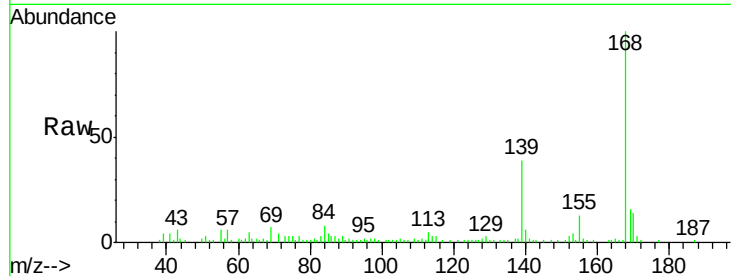
#54
Dibenzenofuran
Concen: 4.128 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.3	30.1	45.1
169	15.7	10.9	16.3

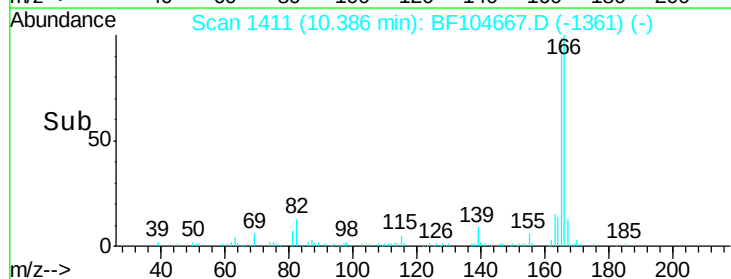
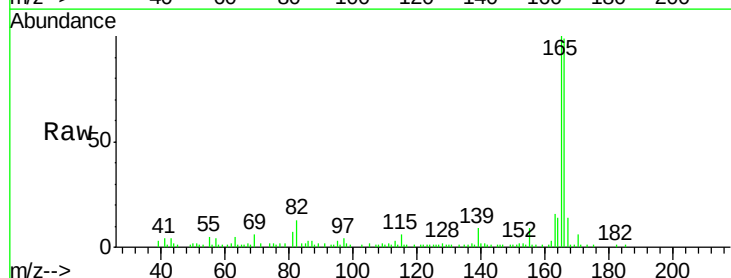
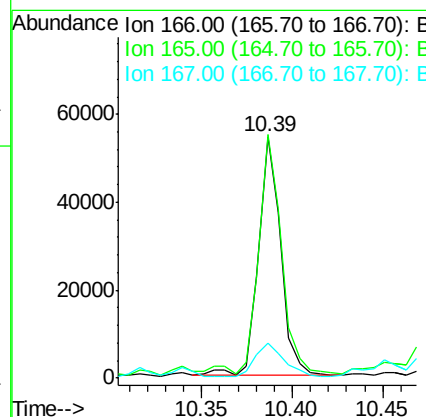
Manual Integrations
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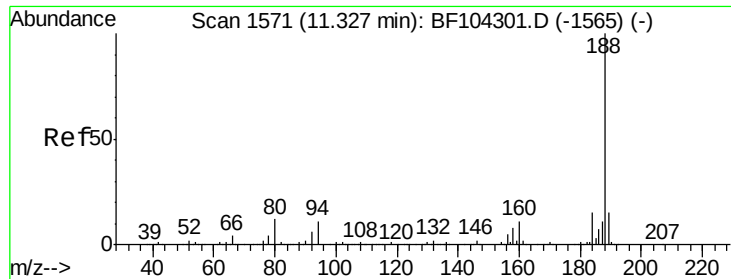
Sohil
4/23/2018 2:18:07 PM



#57
Fluorene
Concen: 5.949 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.8	79.8	119.8
167	14.3	10.6	16.0





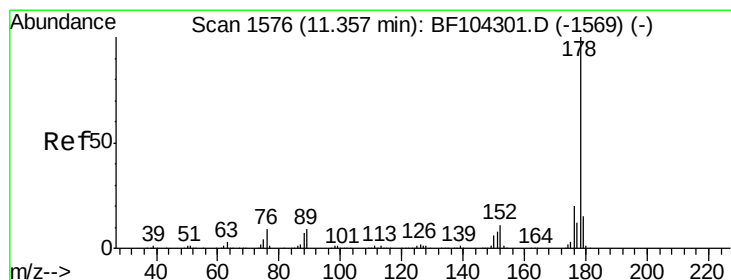
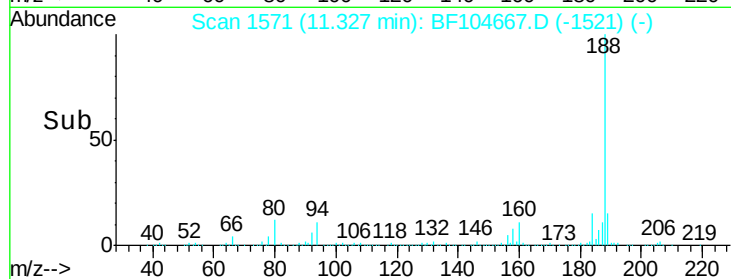
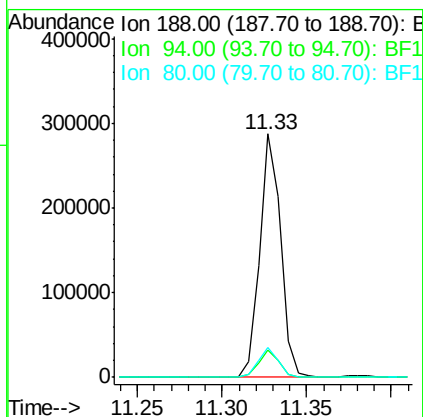
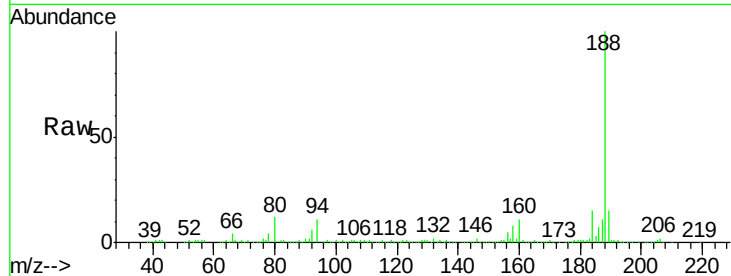
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion:	188	Resp:	248618
Ion Ratio	Lower	Upper	
188	100		
94	11.3	8.5	12.7
80	12.1	9.2	13.8

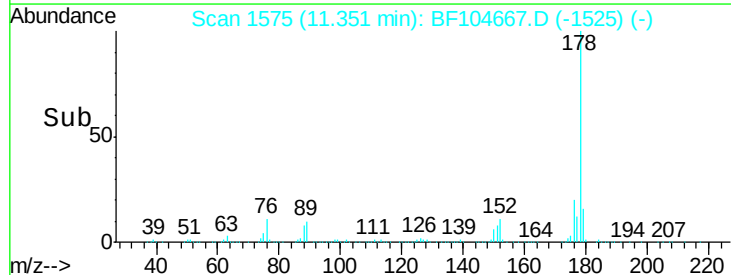
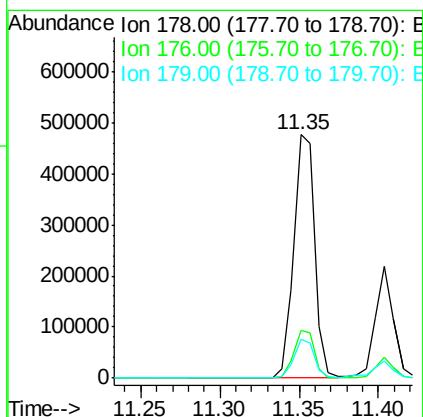
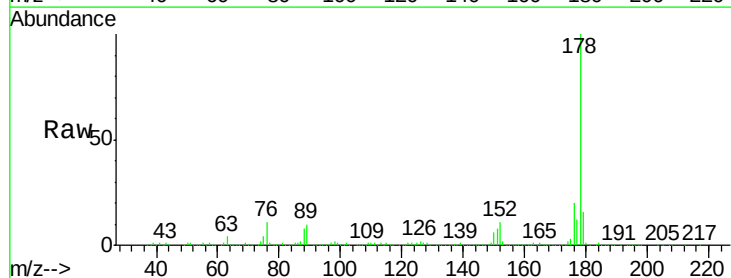
Manual Integrations
APPROVED

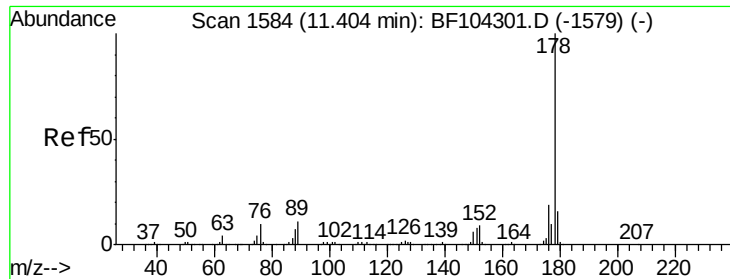
Sohil
4/23/2018 2:18:07 PM



#70
Phenanthrene
Concen: 31.676 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Tgt Ion:	178	Resp:	438563
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.8	23.8
179	15.9	13.0	19.6





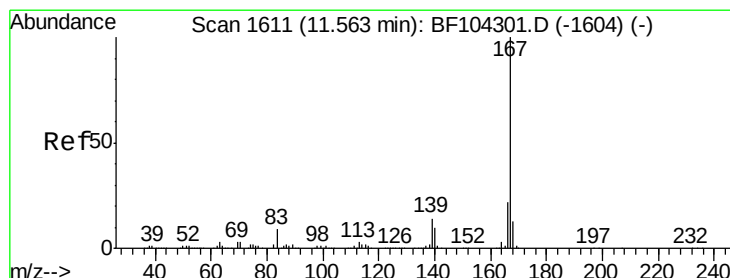
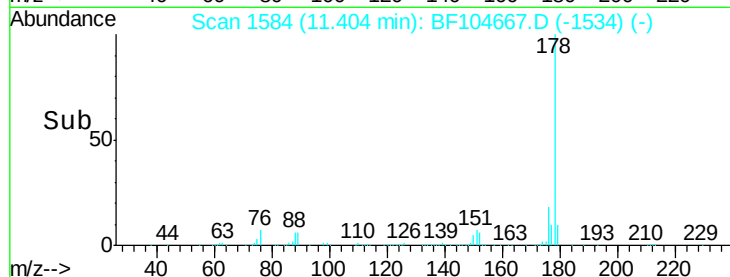
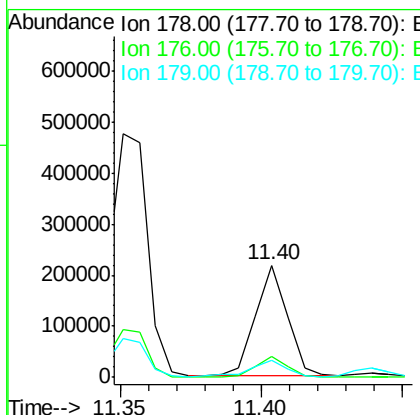
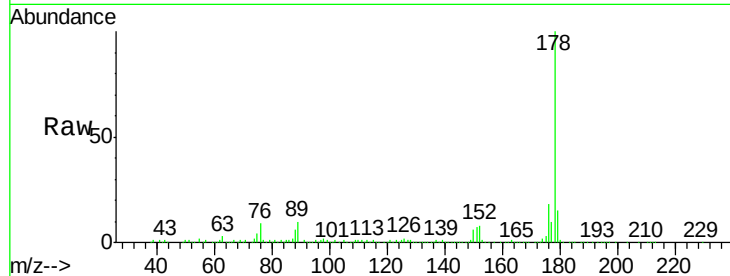
#71
 Anthracene
 Concen: 11.970 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104667.D
 Acq: 20 Apr 2018 12:07

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-A

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

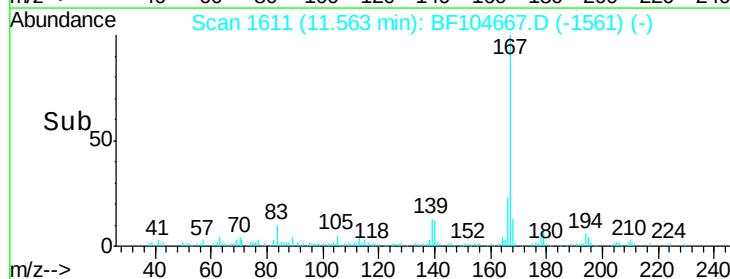
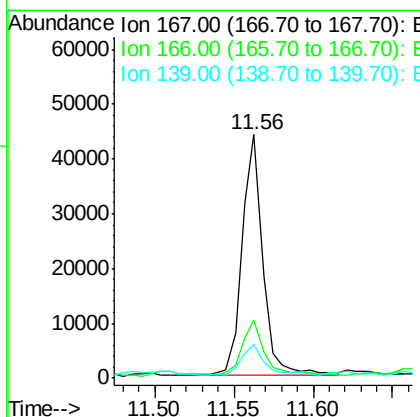
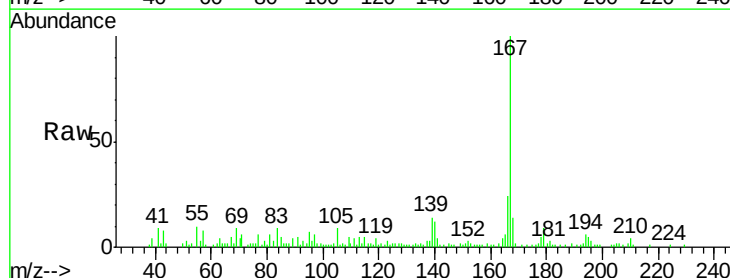
Manual Integrations
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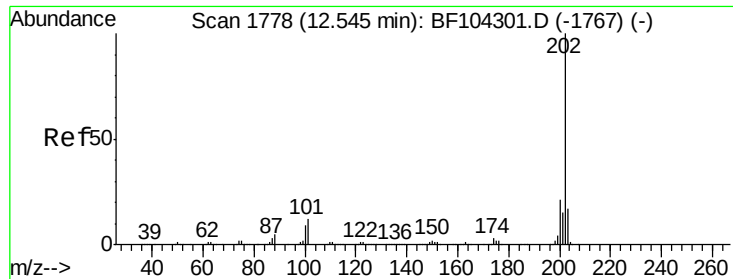
Sohil
 4/23/2018 2:18:07 PM



#72
 Carbazole
 Concen: 2.899 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF104667.D
 Acq: 20 Apr 2018 12:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.6	26.4
139	13.6	10.9	16.3





#74

Fluoranthene

Concen: 49.762 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Instrument :

BNA_F

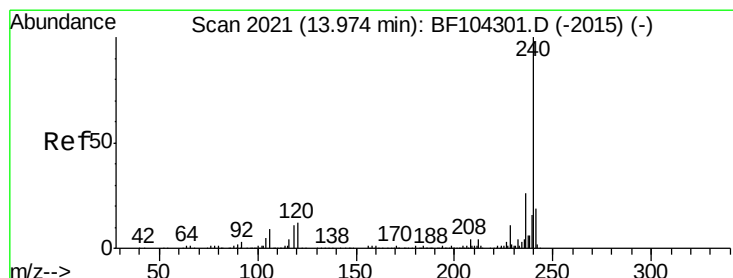
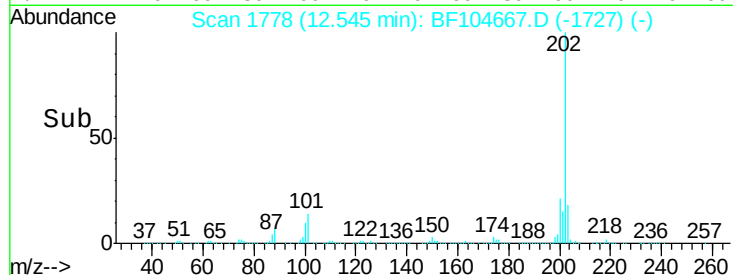
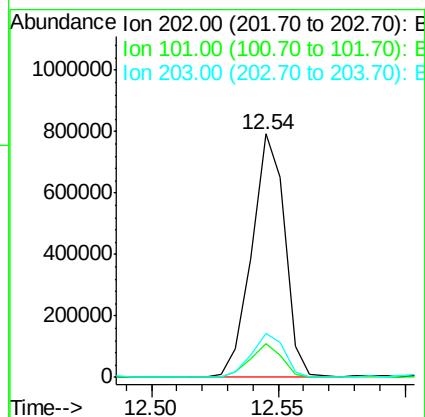
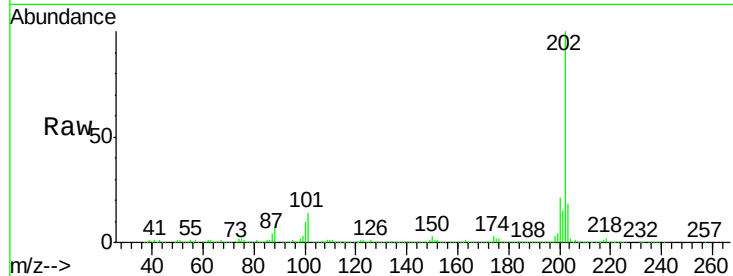
ClientSampleId :

SPOILS-ICTF-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

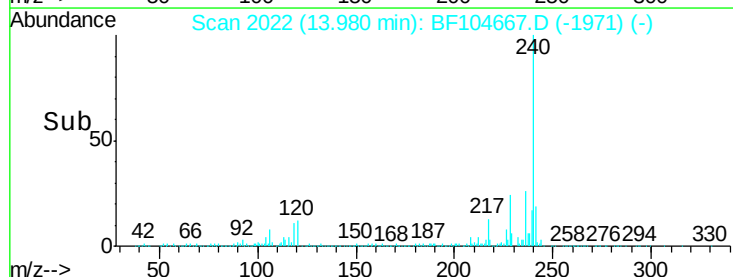
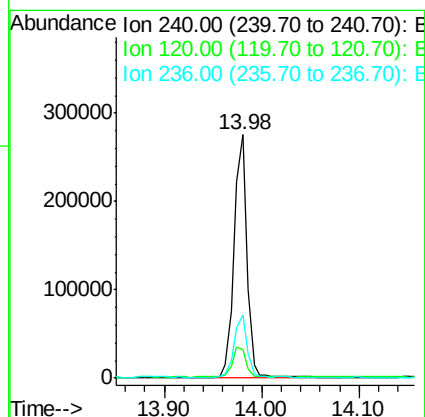
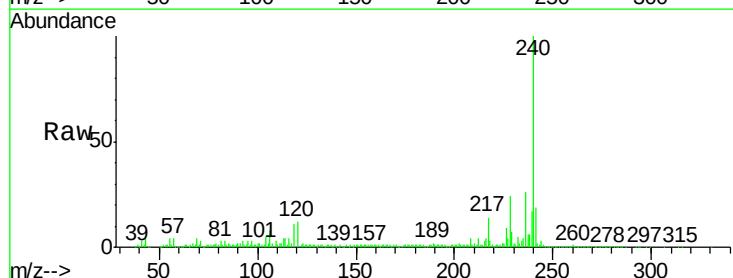
RT: 13.98 min Scan# 2022

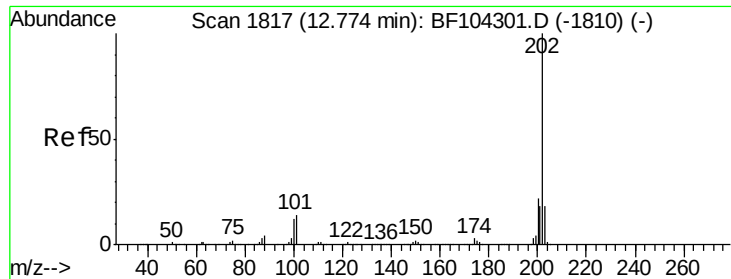
Delta R.T. -0.00 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.9	9.5	14.3
236	26.1	20.7	31.1





#77

Pvrene

Concen: 37.639 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Instrument :

BNA_F

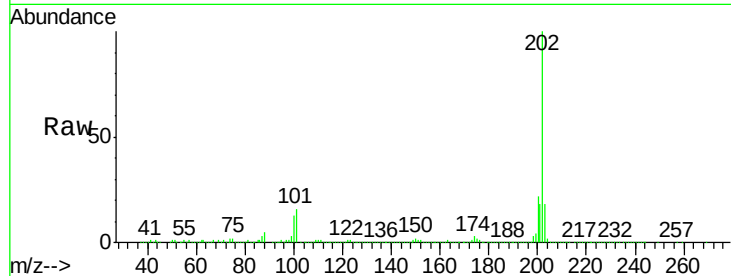
ClientSampleId :

SPOILS-ICTF-A

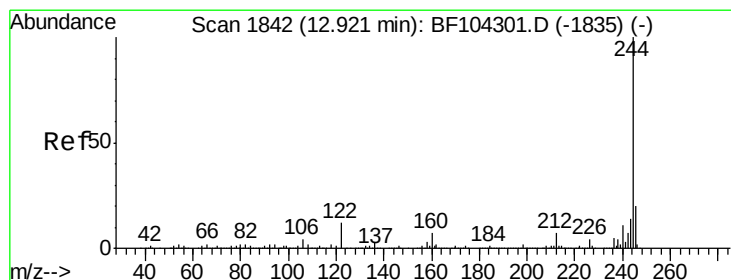
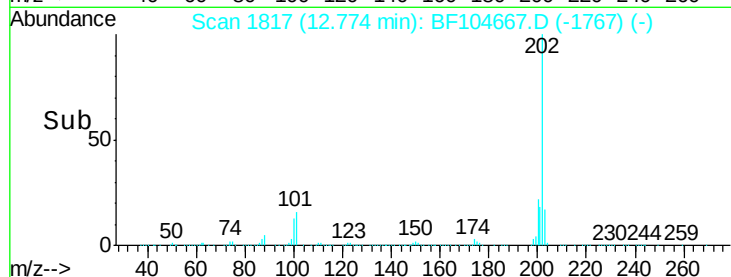
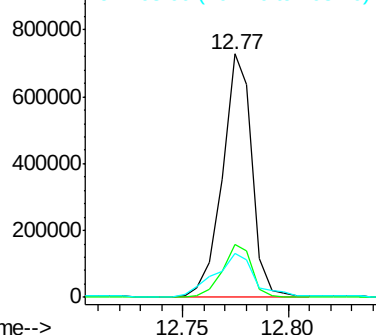
Tot Ion:	202	Resp:	705140
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.0	14.3	21.5

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
1000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 53.788 ng

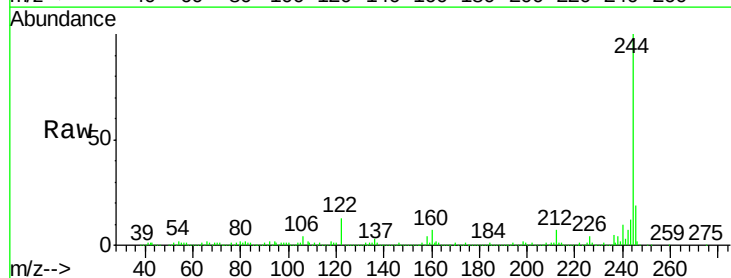
RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

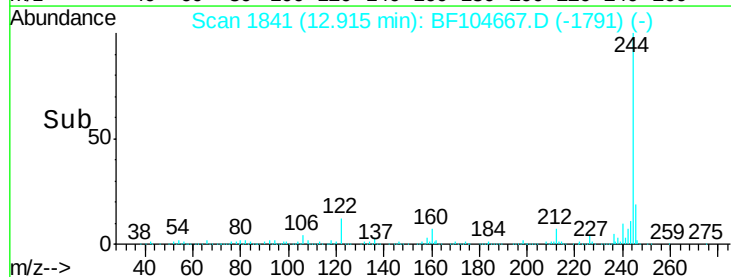
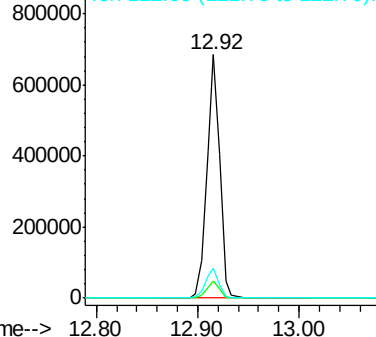
Lab File: BF104667.D

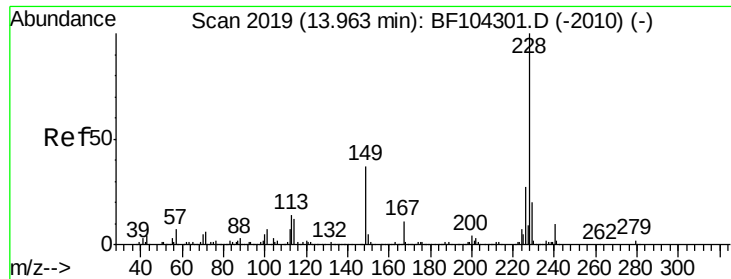
Acq: 20 Apr 2018 12:07

Tgt Ion:	244	Resp:	596295
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	12.5	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
800000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





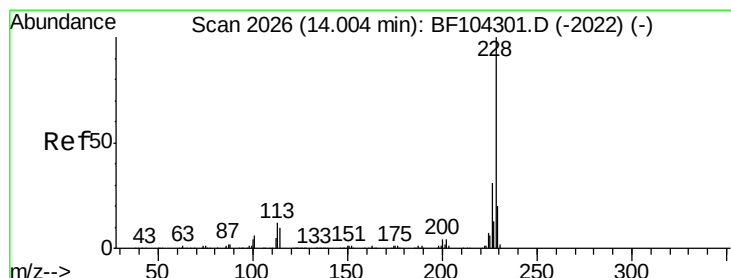
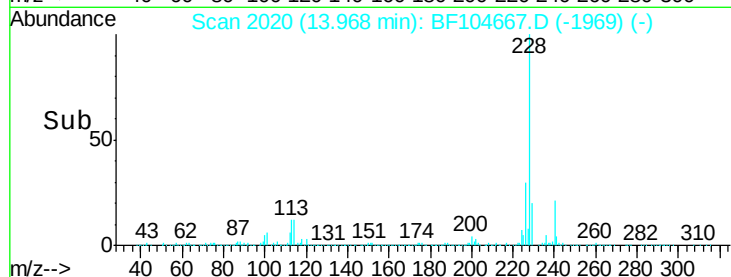
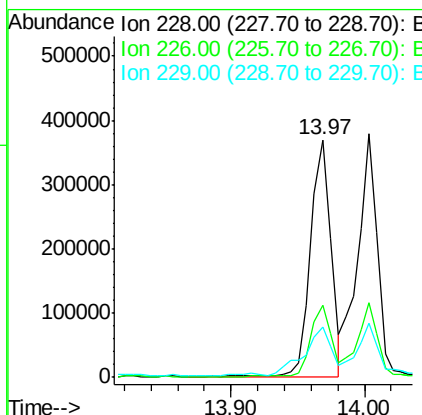
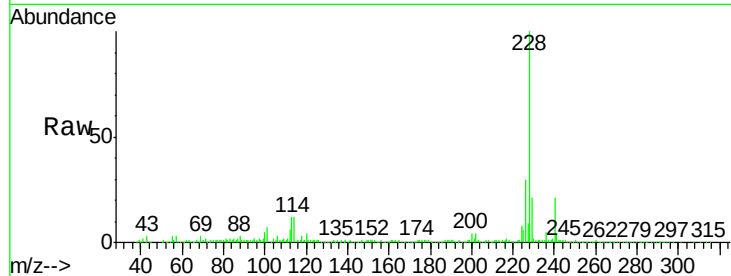
#80
Benzo(a)anthracene
Concen: 25.441 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	21.3	15.8	23.6

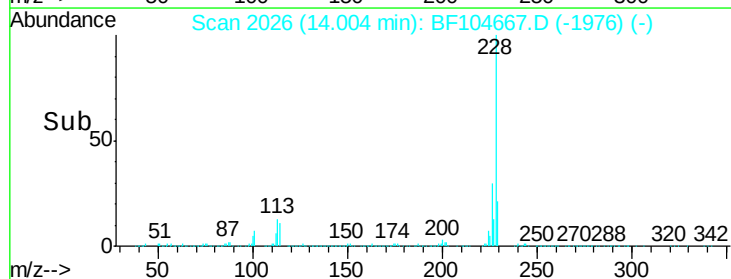
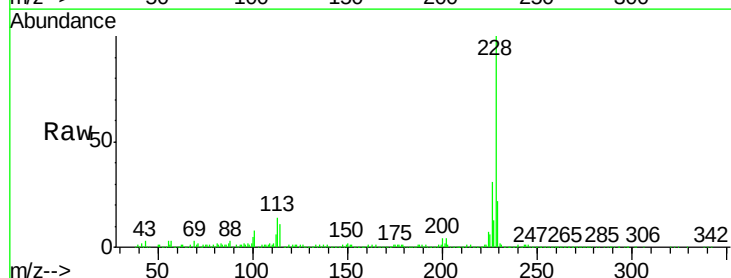
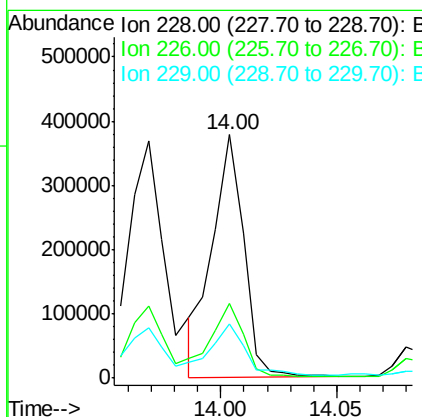
Manual Integrations
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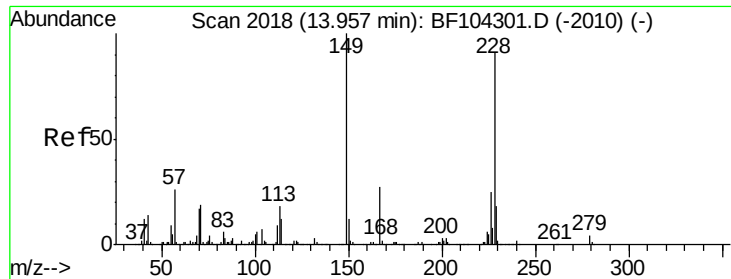
Sohil
4/23/2018 2:18:07 PM



#82
Chrysene
Concen: 23.094 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

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





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.347 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Instrument :

BNA_F

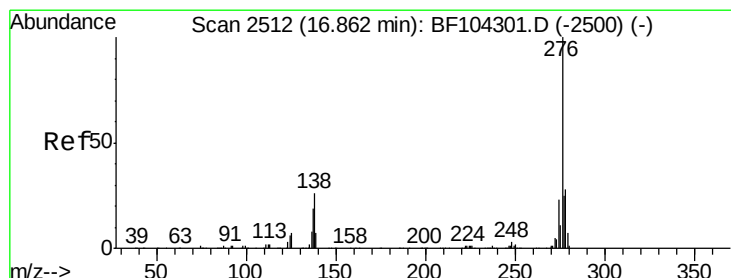
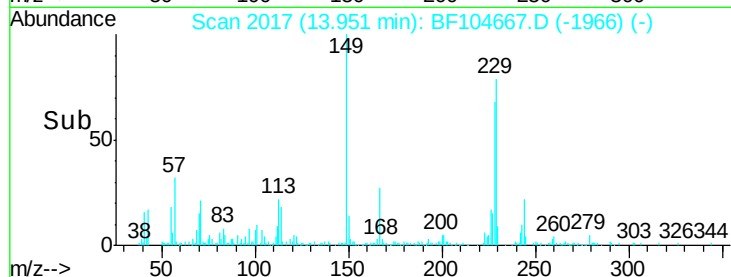
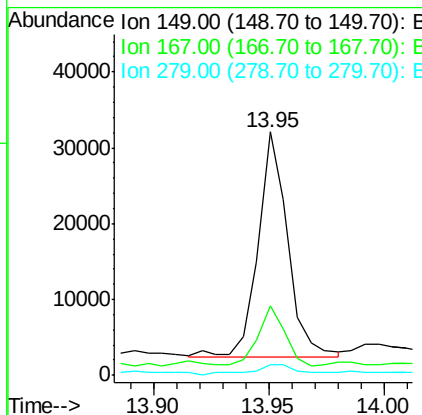
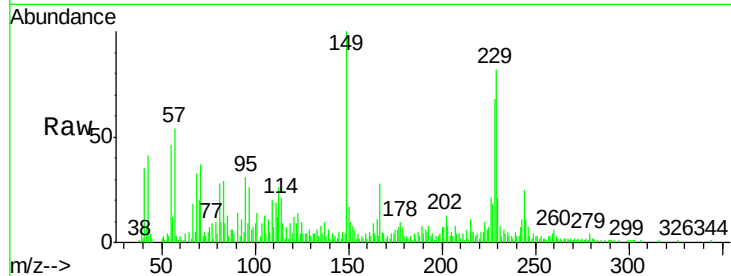
ClientSampleId :

SPOILS-ICTF-A

Tot Ion:	149	Resp:	26645
Ion Ratio	Lower	Upper	
149	100		
167	28.5	21.3	31.9
279	4.3	3.0	4.4

Manual Integrations
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Sohil
4/23/2018 2:18:07 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.101 ng m

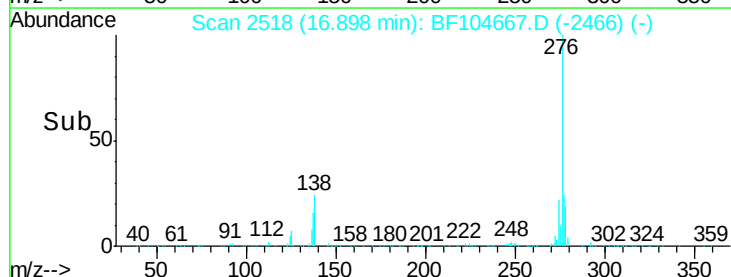
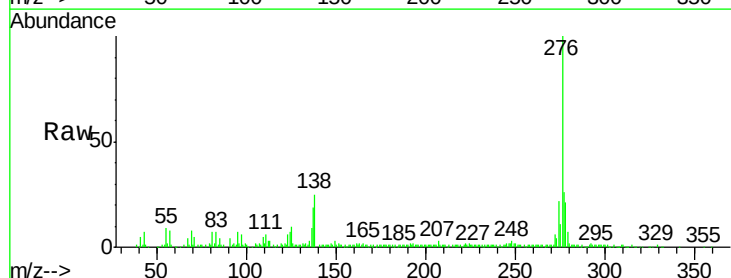
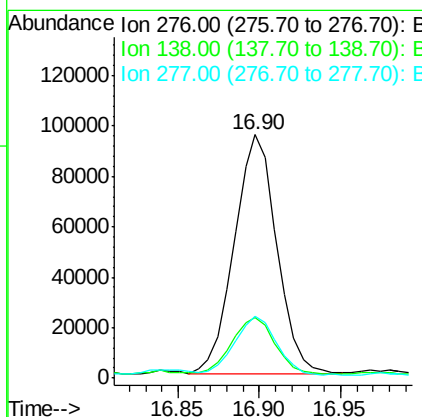
RT: 16.90 min Scan# 2518

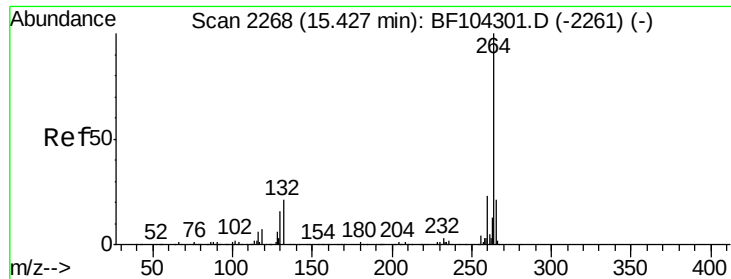
Delta R.T. 0.01 min

Lab File: BF104667.D

Acq: 20 Apr 2018 12:07

Tgt Ion:	276	Resp:	172598
Ion Ratio	Lower	Upper	
276	100		
138	5.8	25.0	37.6#
277	5.0	20.1	30.1#





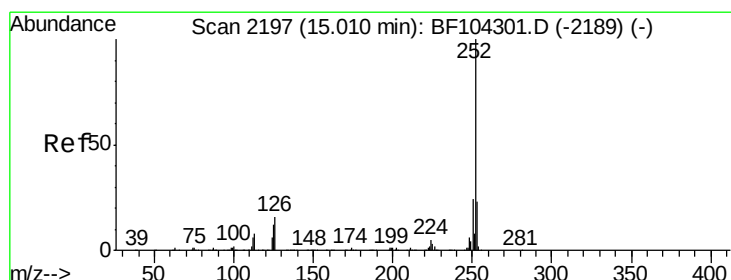
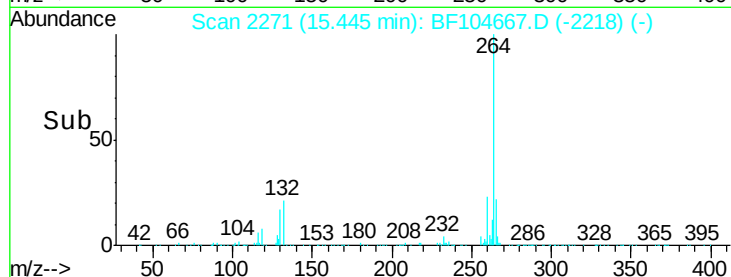
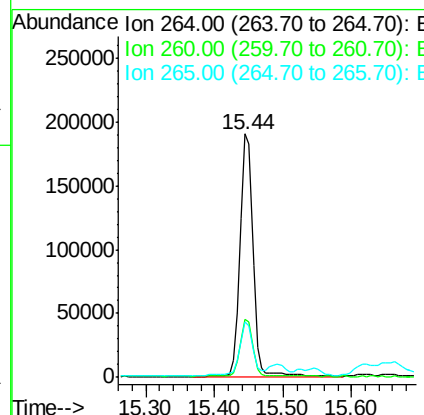
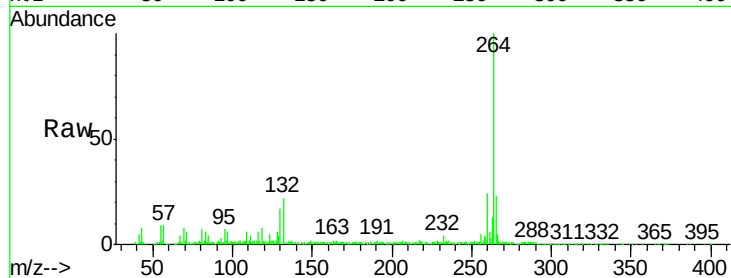
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion:	264	Resp:	250051
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	22.8	17.5	26.3

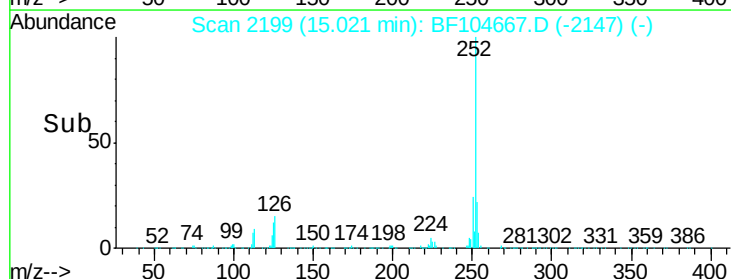
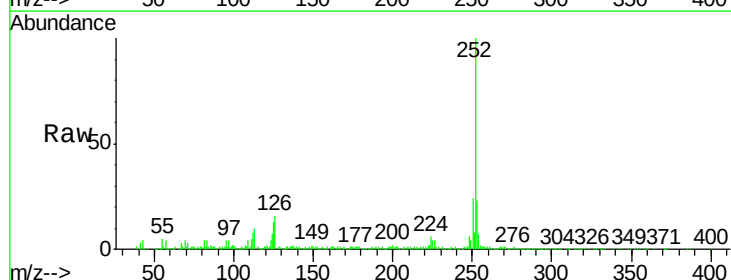
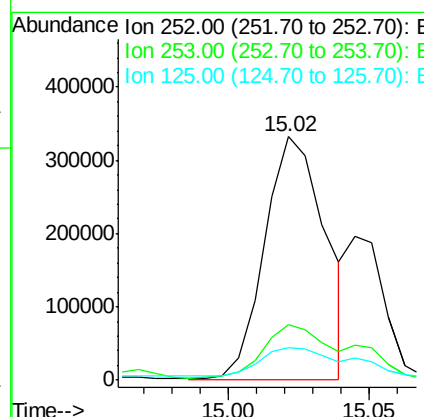
Manual Integrations
APPROVED

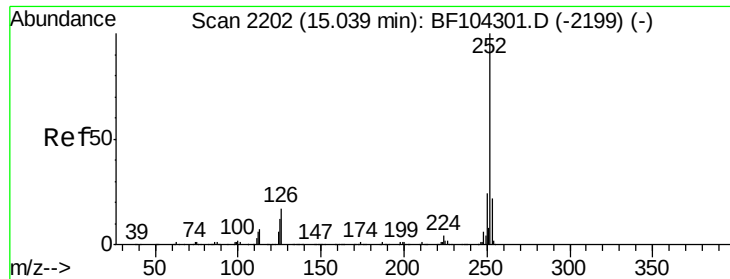
Sohil
4/23/2018 2:18:07 PM



#87
Benzo(b)fluoranthene
Concen: 31.533 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Tgt Ion:	252	Resp:	497987
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	13.4	9.0	13.6





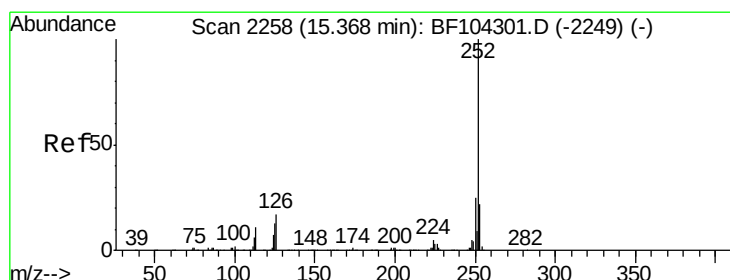
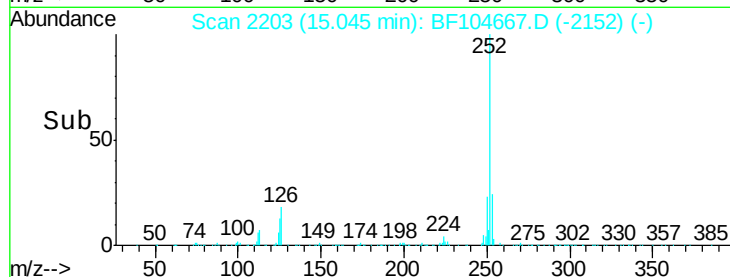
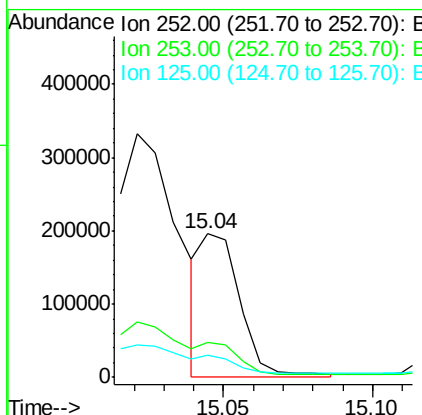
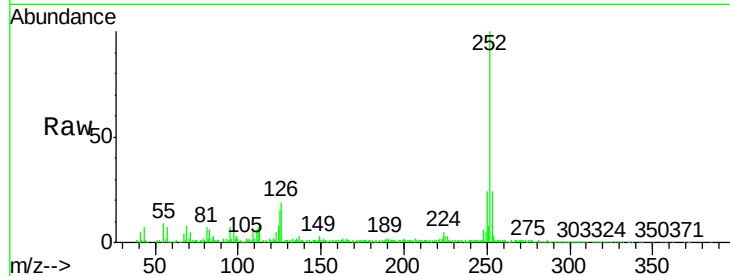
#88
Benzo(k)fluoranthene
Concen: 12.098 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	15.3	10.2	15.2

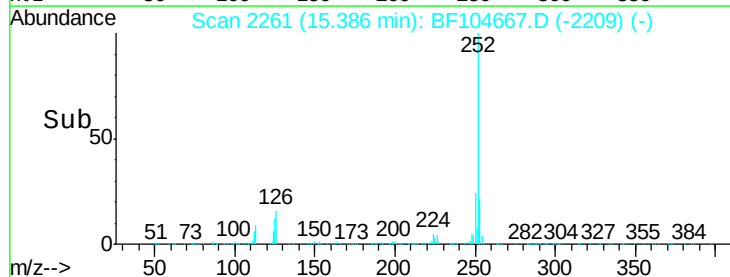
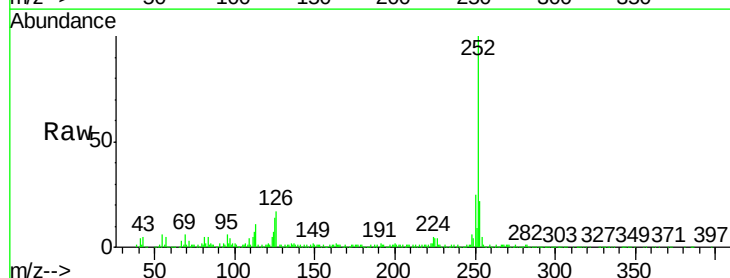
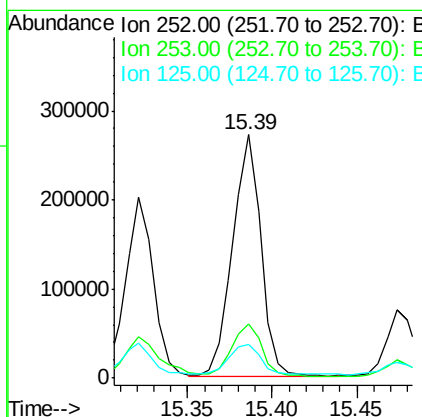
Manual Integrations
APPROVED

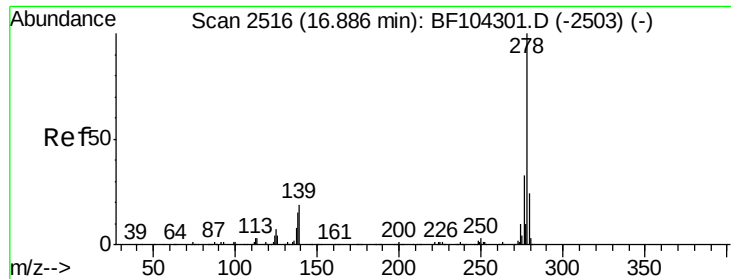
Sohil
4/23/2018 2:18:07 PM



#89
Benzo(a)pyrene
Concen: 22.618 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	14.0	9.8	14.6





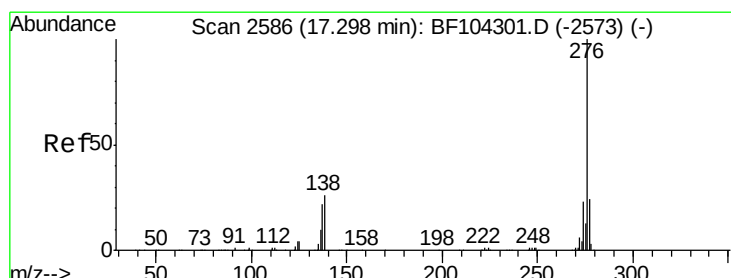
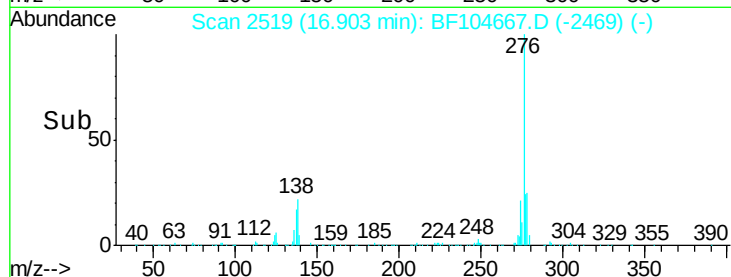
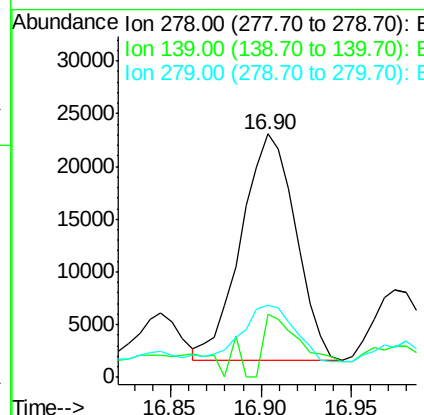
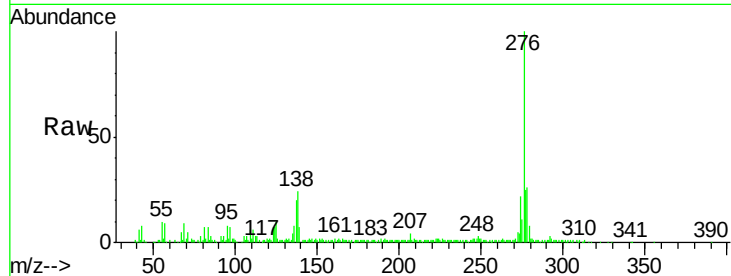
#90
Dibenzo(a,h)anthracene
Concen: 3.838 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.9	15.9	23.9#
279	29.9	19.0	28.4#

Manual Integrations
APPROVED

Sohil
4/23/2018 2:18:07 PM



#91
Benzo(g,h,i)perylene
Concen: 14.876 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.01 min
Lab File: BF104667.D
Acq: 20 Apr 2018 12:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	24.4	21.8	32.8

