

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106669.D
 Acq On : 21 Jun 2018 19:07
 Operator : JU/SJ
 Sample : J3524-03DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 AREA-3(D)DL

Manual Integrations
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Quant Time: Jun 22 11:13:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 21 16:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	66411	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	270741	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	142441	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	270540	20.00	ng	0.00
75) Chrysene-d12	14.15	240	203163	20.00	ng	0.00
86) Perylene-d12	15.68	264	221829	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	16390	4.18	ng	0.00
7) Phenol-d6	6.60	99	22392	4.57	ng	0.00
23) Nitrobenzene-d5	7.52	82	13466	2.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	6435	3.90	ng	-0.01
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	13.07	244	41296	4.92	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.27	128	373810	29.532	ng	99
37) 2-Methylnaphthalene	8.95	142	228586	27.245	ng	96
45) 1,1'-Biphenyl	9.41	154	25604	2.255	ng	97
48) Acenaphthylene	9.86	152	42918	3.042	ng	# 92
51) Acenaphthene	10.03	154	86460	9.733	ng	97
54) Dibenzofuran	10.20	168	52074	4.281	ng	# 95
57) Fluorene	10.55	166	153985	15.952	ng	100
70) Phenanthrene	11.52	178	597793	45.812	ng	99
71) Anthracene	11.57	178	150412	11.293	ng	99
74) Fluoranthene	12.71	202	356660	24.799	ng	95
77) Pyrene	12.94	202	439008	32.769	ng	99
80) Benzo(a)anthracene	14.14	228	172969m	13.969	ng	
82) Chrysene	14.17	228	170337m	14.953	ng	
85) Indeno(1,2,3-cd)pyrene	17.25	276	75755m	7.836	ng	
87) Benzo(b)fluoranthene	15.23	252	159208m	11.554	ng	
88) Benzo(k)fluoranthene	15.25	252	47675m	3.633	ng	
89) Benzo(a)pyrene	15.62	252	153253m	12.510	ng	
90) Dibenzo(a,h)anthracene	17.25	278	24142m	2.325	ng	
91) Benzo(a,h,i)perylene	17.72	276	75873	7.477	ng	92

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

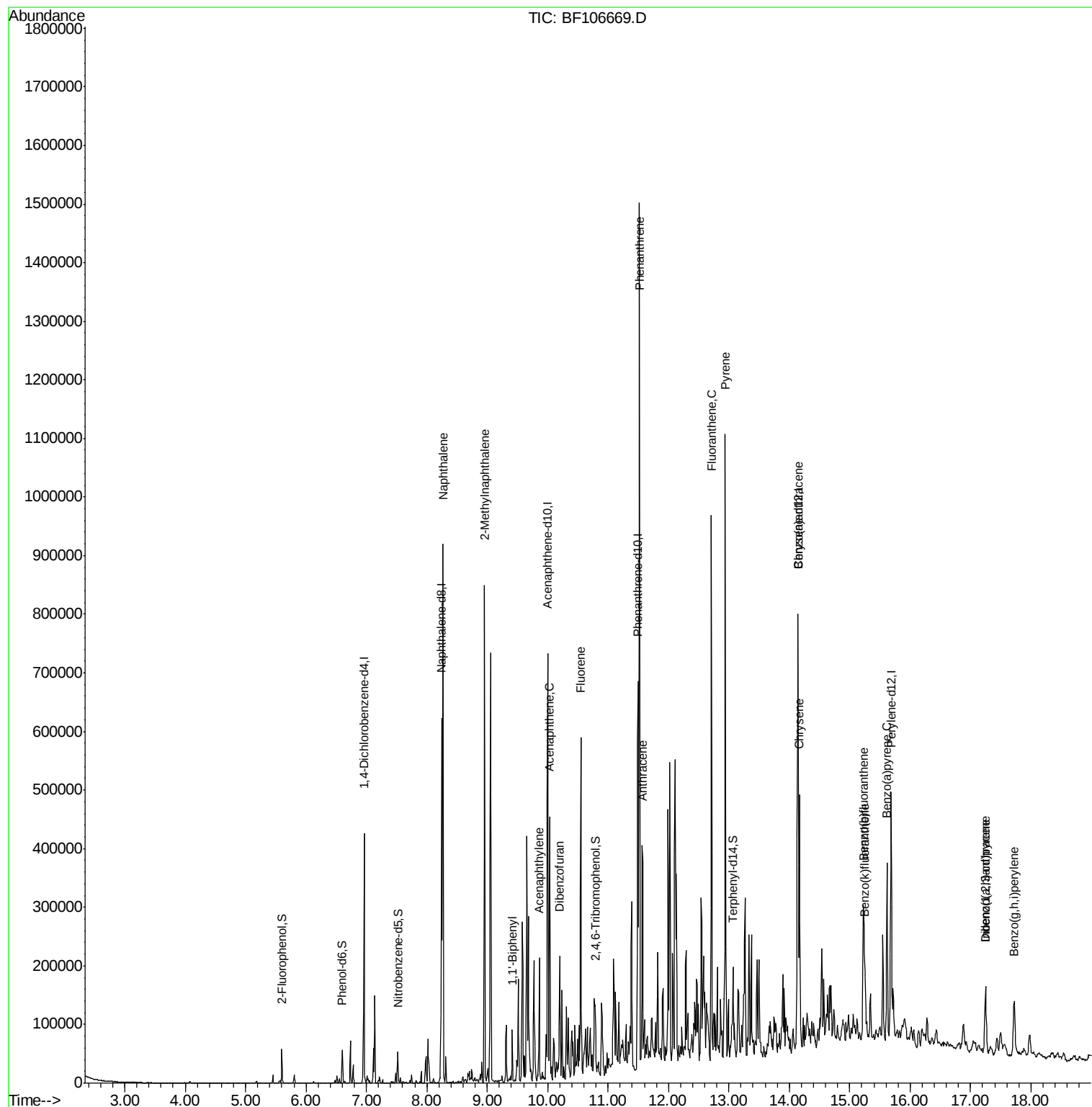
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
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#1

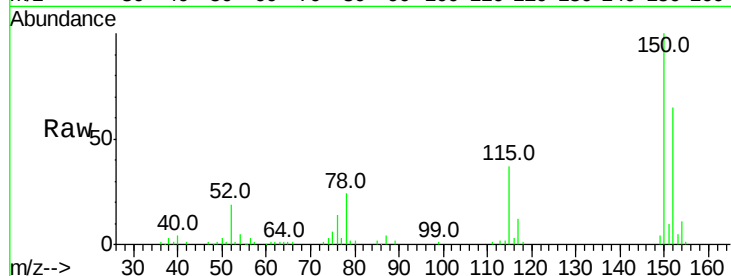
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	57.9	50.1	75.1

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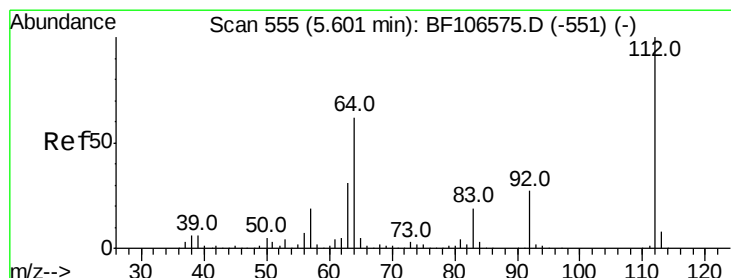
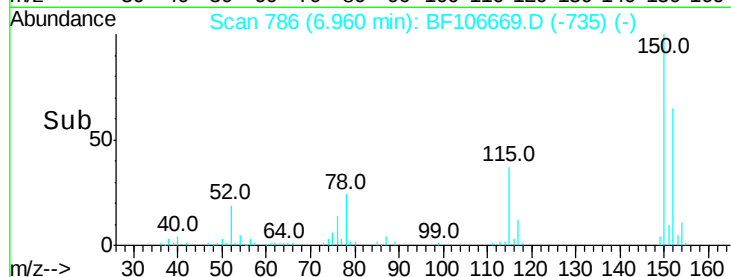
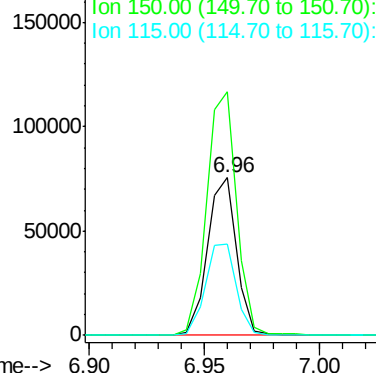


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

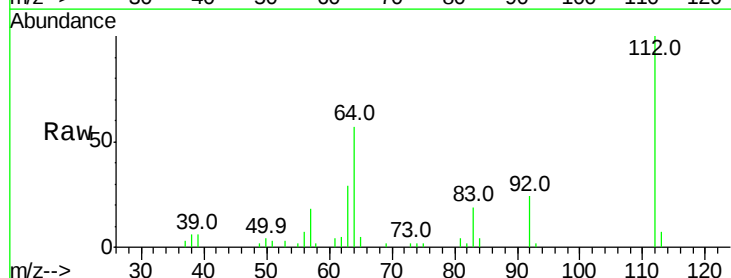
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 4.179 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	29.3	23.7	35.5

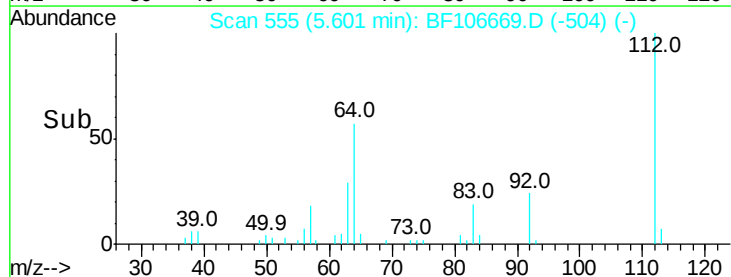
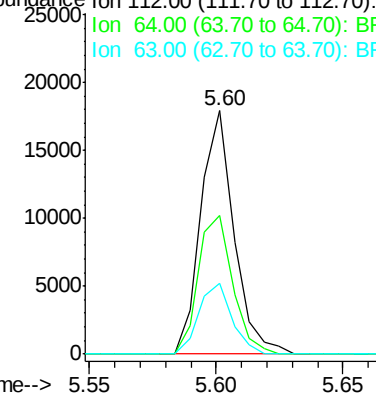


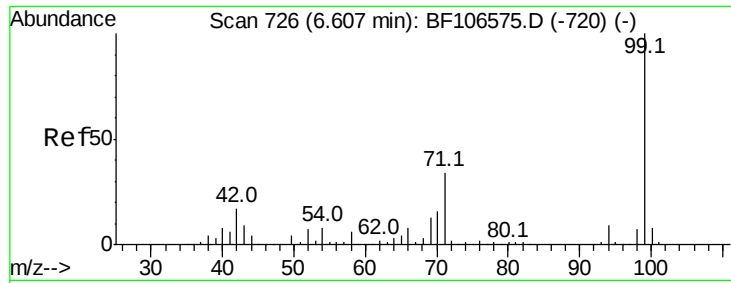
Abundance

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: 4.572 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Instrument :

BNA_F

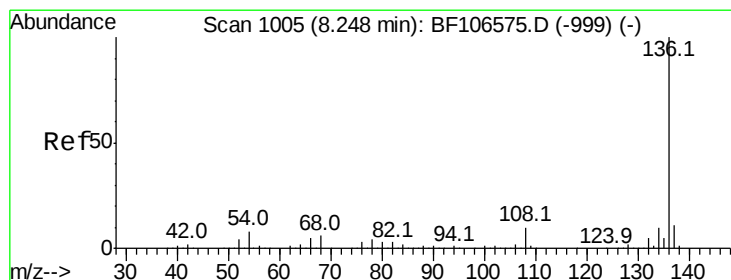
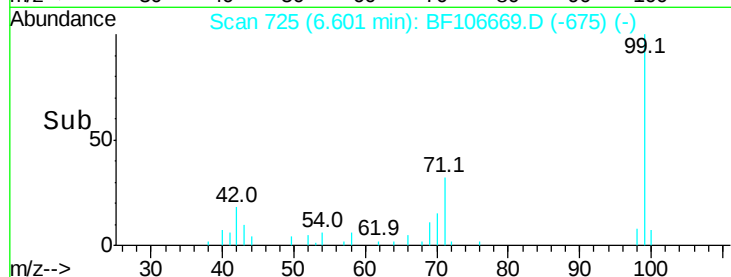
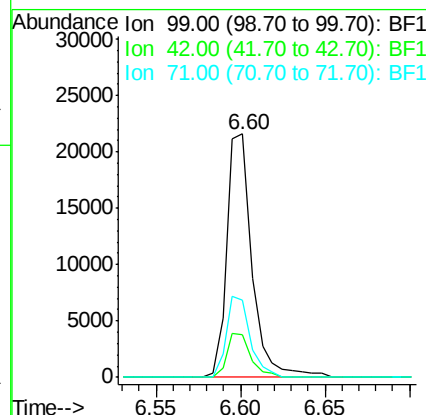
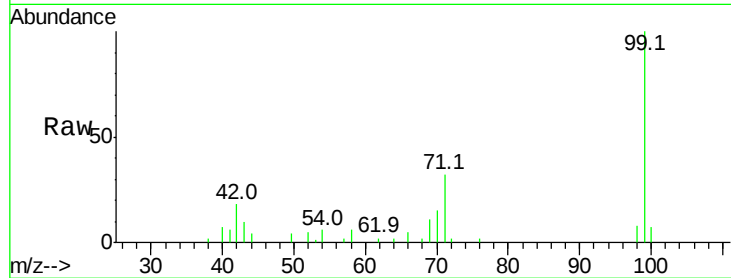
ClientSampleId :

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Tot Ion:	99	Resp:	22392
Ion Ratio	Lower	Upper	
99	100		
42	17.7	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

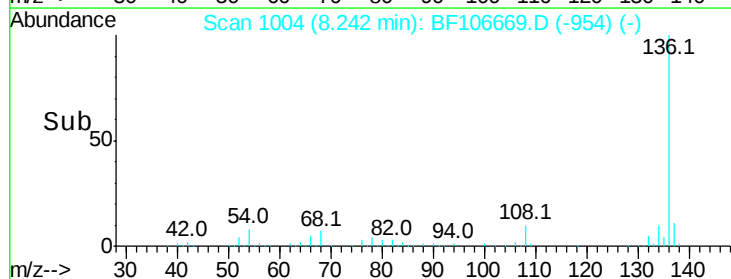
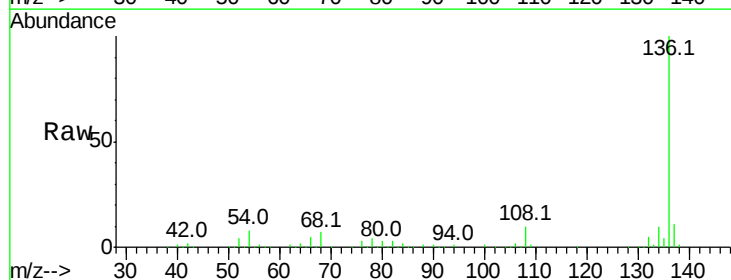
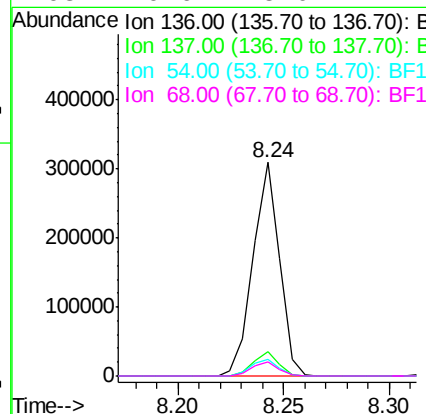
RT: 8.24 min Scan# 1004

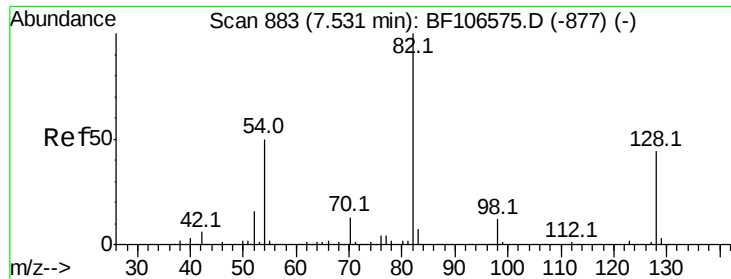
Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Tgt Ion:	136	Resp:	270741
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.0	6.6	9.8
68	6.6	5.0	7.4





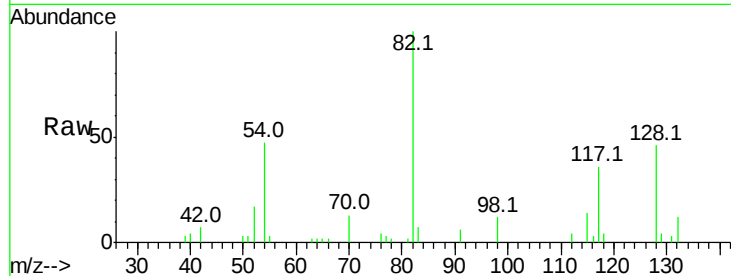
#23
Nitrobenzene-d5
Concen: 2.764 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

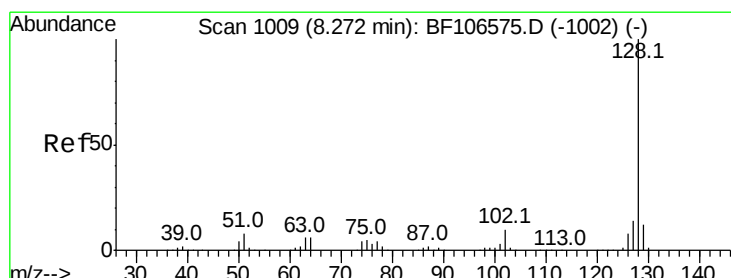
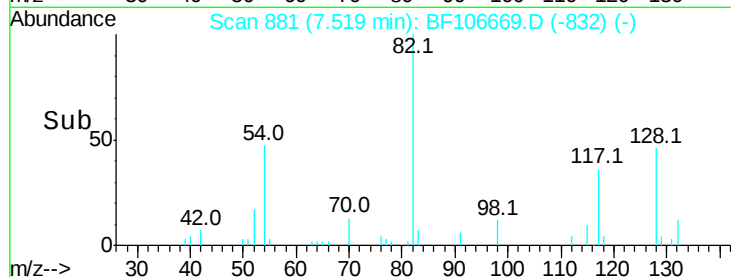
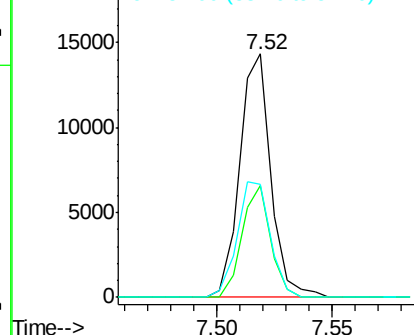
Tot Ion:	82	Resp:	13466
Ion Ratio	Lower	Upper	
82	100		
128	46.1	36.1	54.1
54	46.6	41.4	62.2

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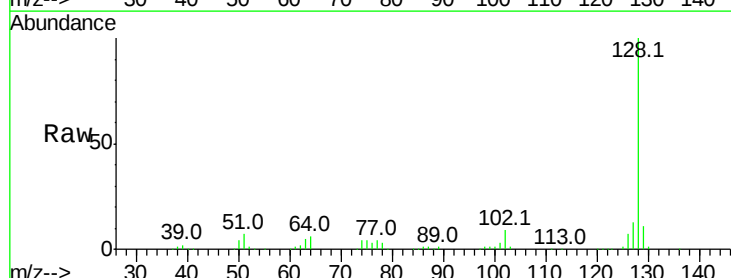


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

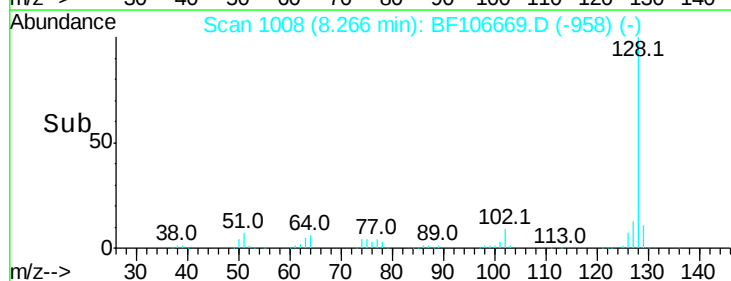
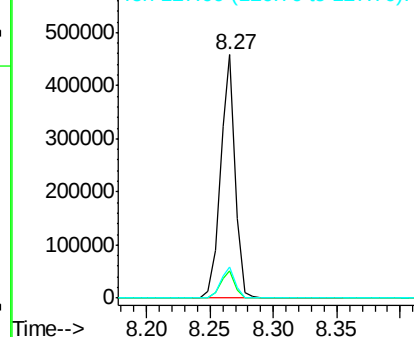


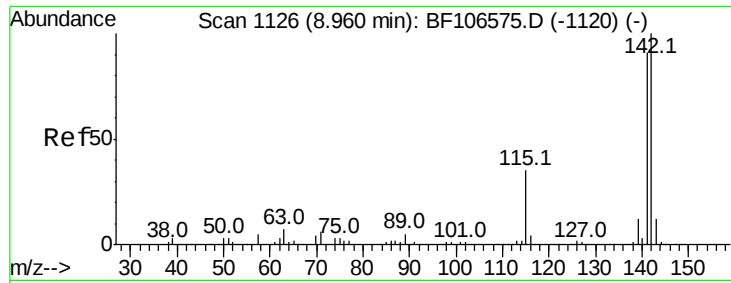
#31
Naphthalene
Concen: 29.532 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion:	128	Resp:	373810
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.8	13.2
127	13.0	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





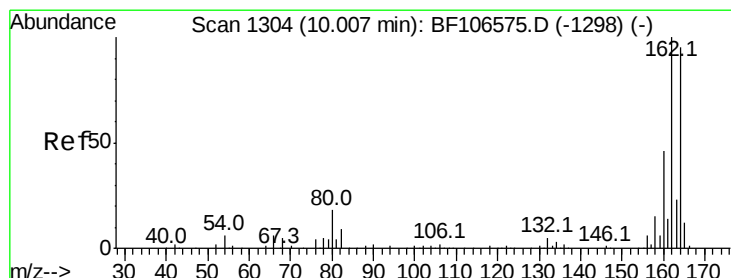
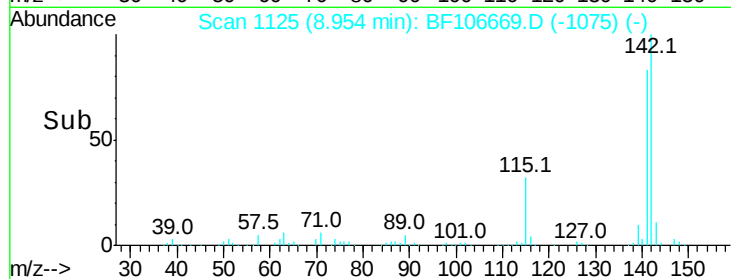
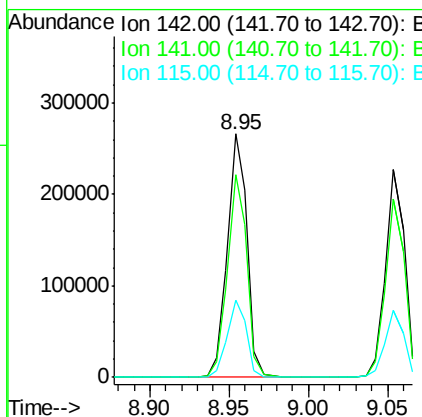
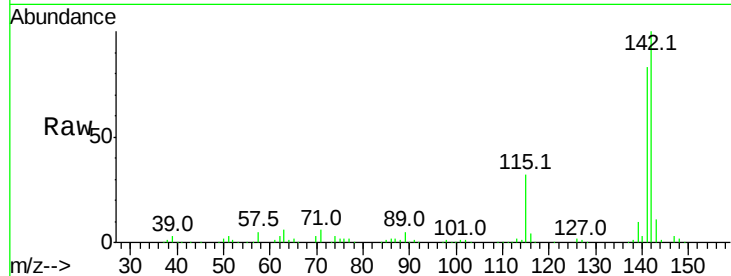
#37
2-Methylnaphthalene
Concen: 27.245 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	228586		
141	83.4		70.8	106.2
115	31.7		26.1	39.1

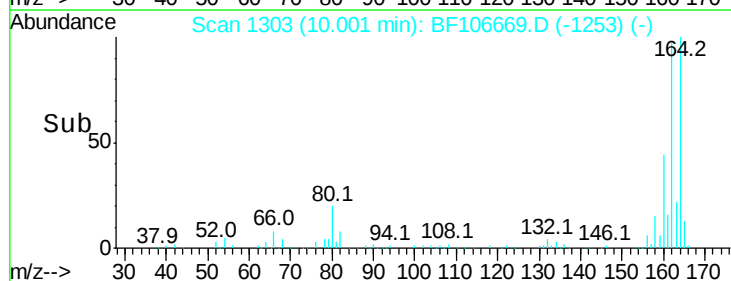
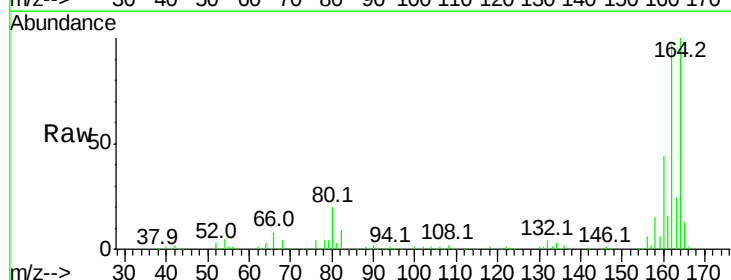
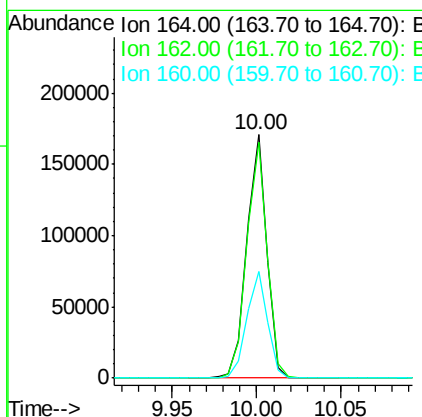
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142441		
162	96.7		86.1	129.1
160	43.8		38.3	57.5





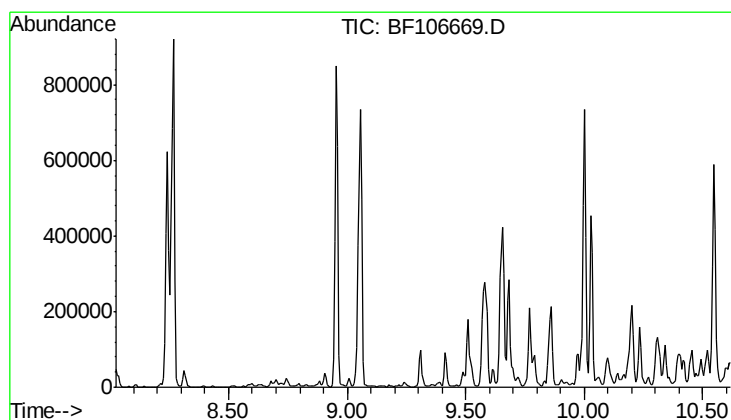
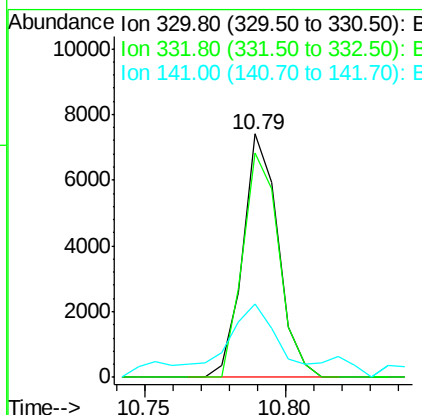
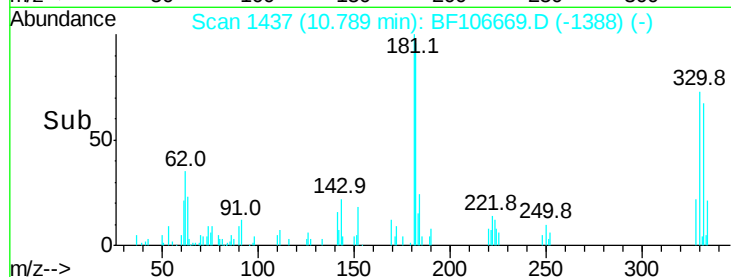
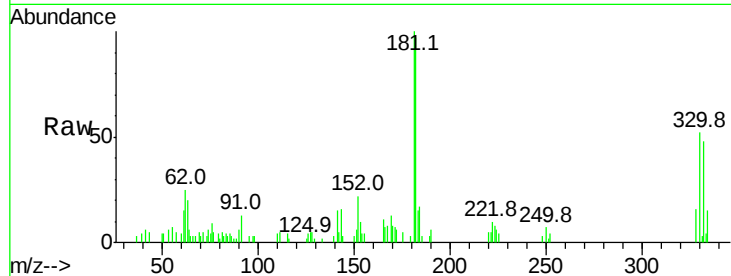
#41
 2,4,6-Tribromophenol
 Concen: 3.898 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106669.D
 Acq: 21 Jun 2018 19:07

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3(D)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	6435		
332	94.2		77.0	115.6
141	36.3		29.9	44.9

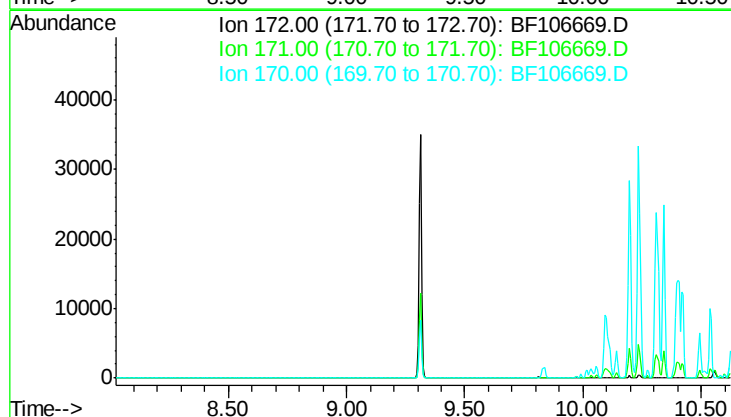
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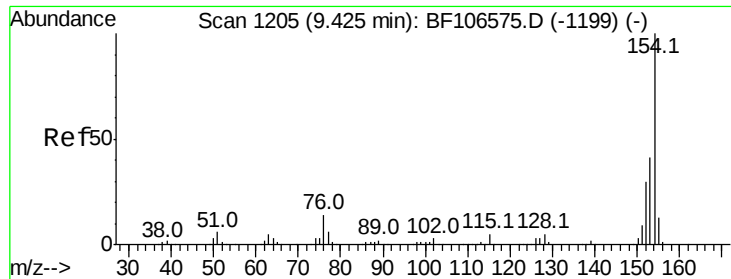
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#44
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.32 min
 Lab File: BF106669.D
 Acq: 21 Jun 2018 19:07

Tgt Ion	Exp Ratio
172	100
171	37.1
170	24.5





#45

1,1'-Biphenyl

Concen: 2.255 ng

RT: 9.41 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Instrument :

BNA_F

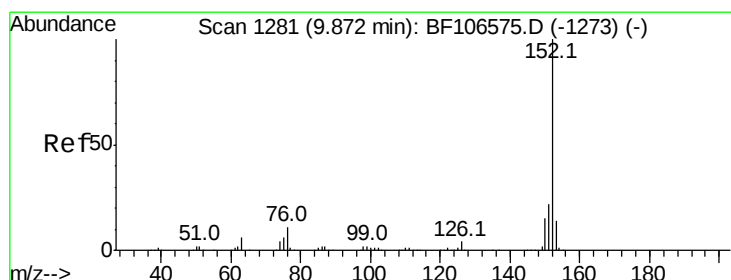
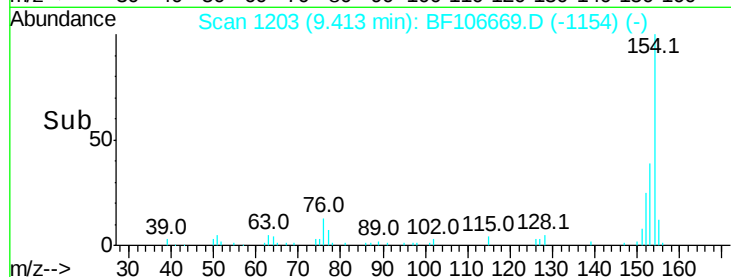
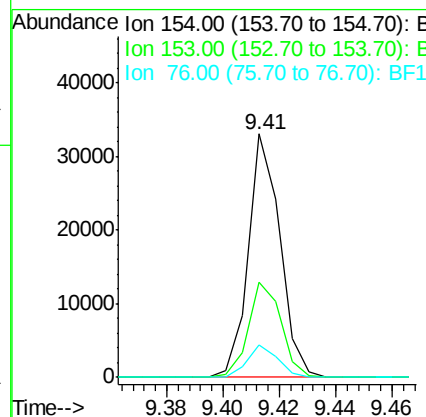
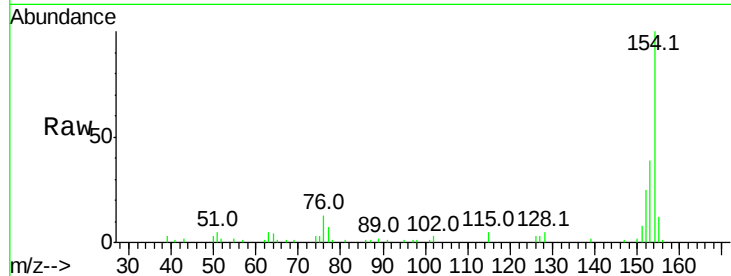
ClientSampleId :

AREA-3(D)DL

Tot Ion:	154	Resp:	25604
Ion Ratio	Lower	Upper	
154	100		
153	39.0	21.3	61.3
76	13.2	0.0	34.0

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#48

Acenaphthylene

Concen: 3.042 ng

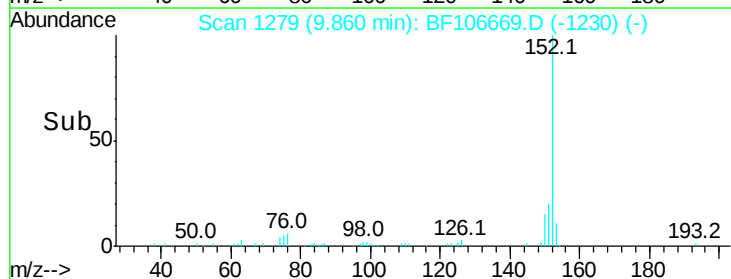
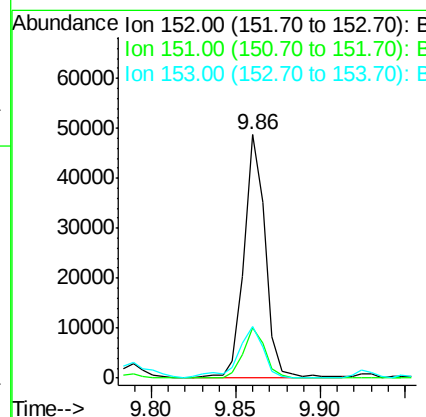
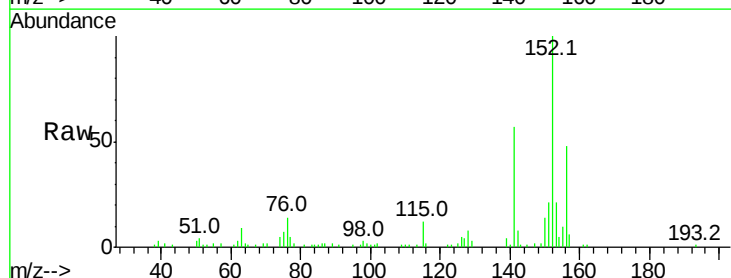
RT: 9.86 min Scan# 1279

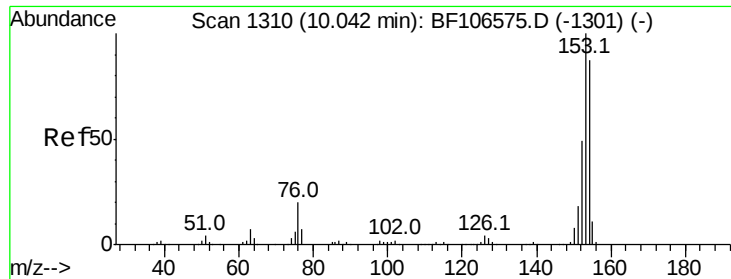
Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Tgt Ion:	152	Resp:	42918
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.3	24.5
153	21.3	10.7	16.1#





#51

Acenaphthene

Concen: 9.733 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Instrument :

BNA_F

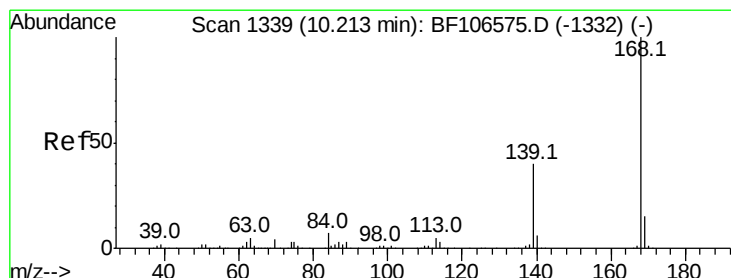
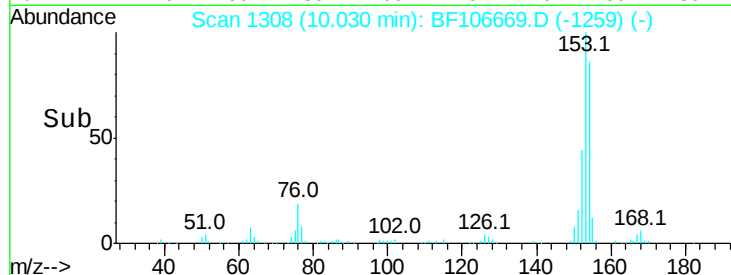
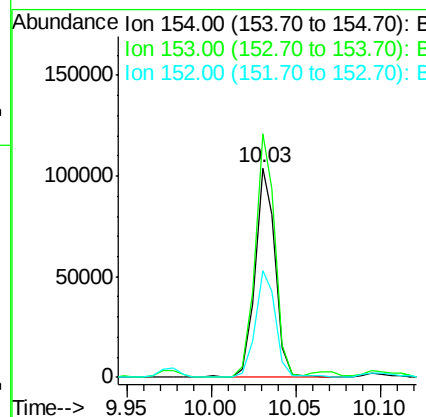
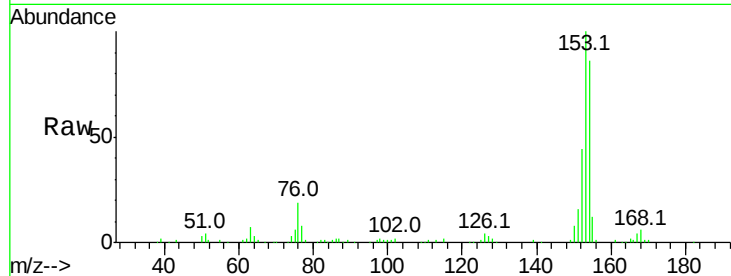
ClientSampleId :

AREA-3(D)DL

Tot Ion:	154	Resp:	86460
Ion	Ratio	Lower	Upper
154	100		
153	116.2	91.2	136.8
152	50.8	43.8	65.8

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#54

Dibenzofuran

Concen: 4.281 ng

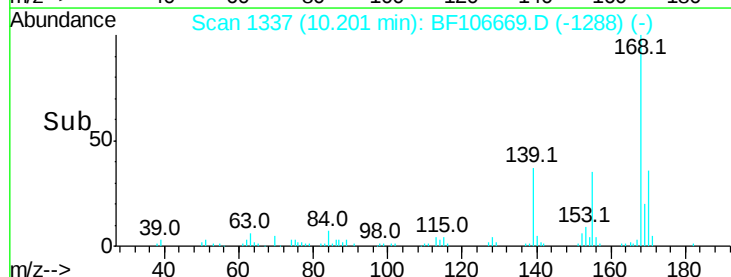
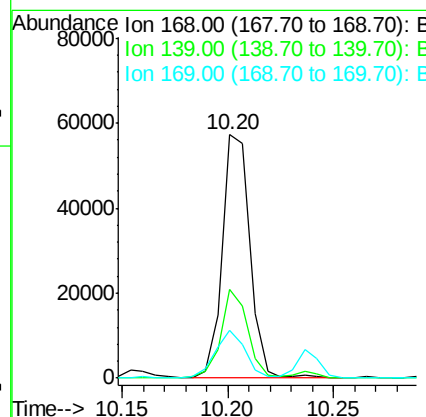
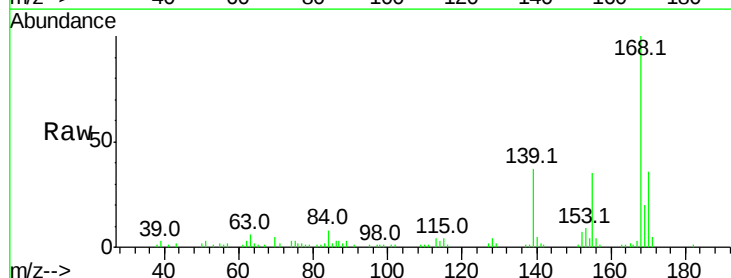
RT: 10.20 min Scan# 1337

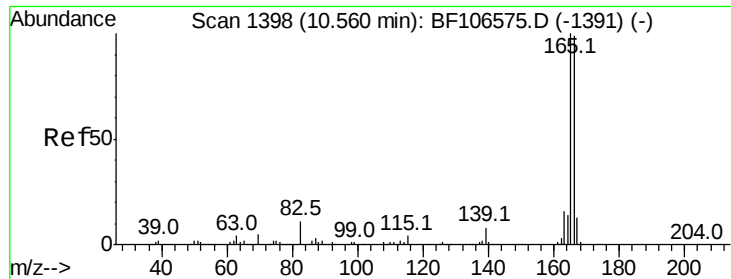
Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Tgt Ion:	168	Resp:	52074
Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.1	45.1
169	19.7	10.9	16.3#





#57

Fluorene

Concen: 15.952 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Instrument :

BNA_F

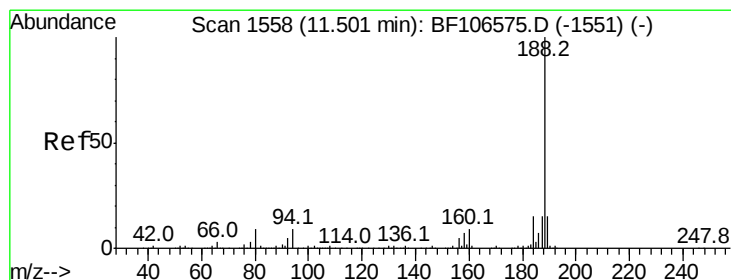
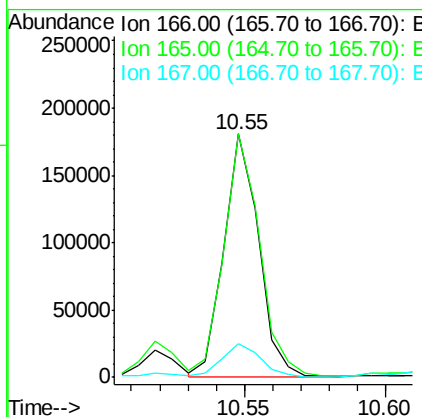
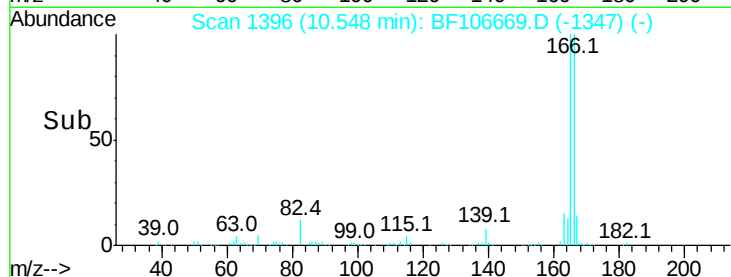
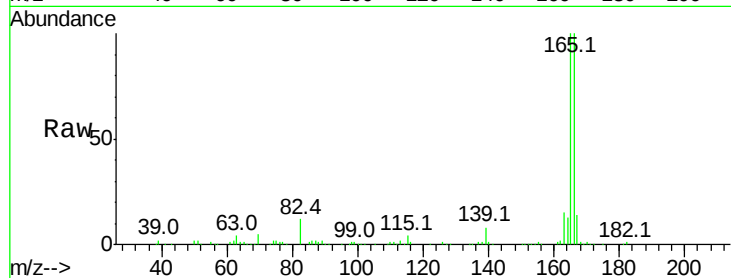
ClientSampleId :

AREA-3(D)DL

Tot Ion:	166	Resp:	153985
Ion Ratio	Lower	Upper	
166	100		
165	100.2	79.8	119.8
167	13.8	10.6	16.0

Manual Integrations
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Sohil
7/3/2018 3:52:18 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

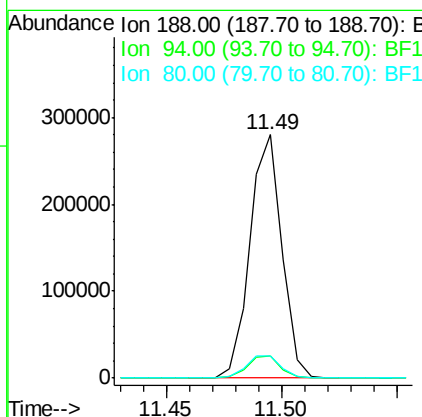
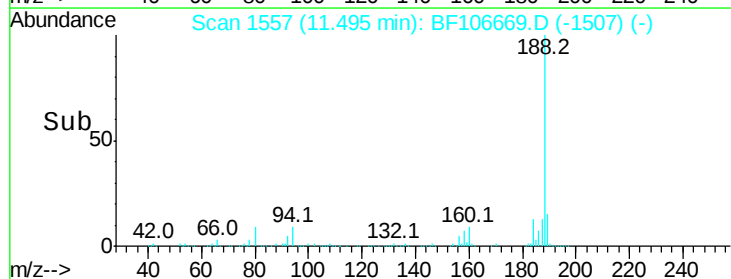
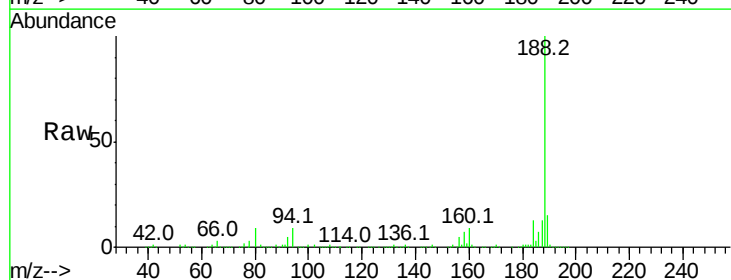
RT: 11.49 min Scan# 1557

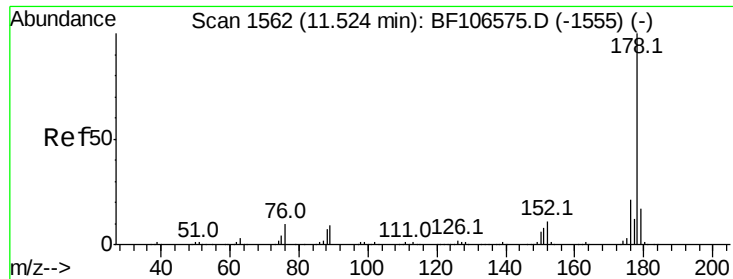
Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Tgt Ion:	188	Resp:	270540
Ion Ratio	Lower	Upper	
188	100		
94	8.9	8.5	12.7
80	9.2	9.2	13.8#





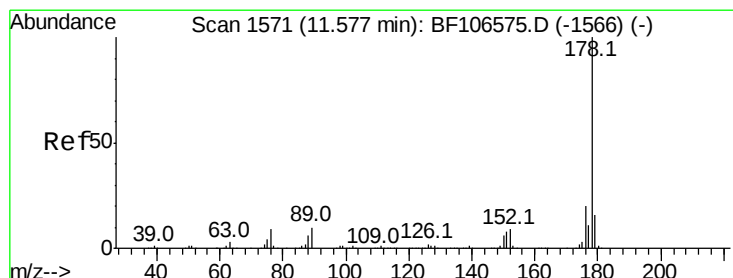
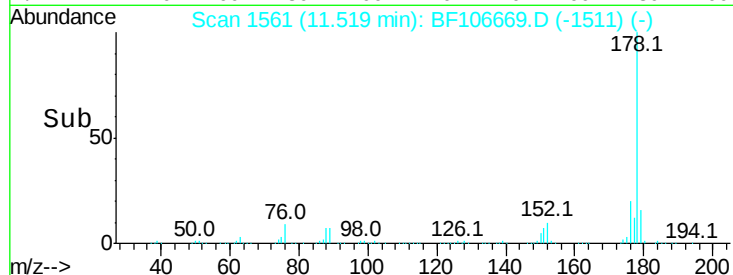
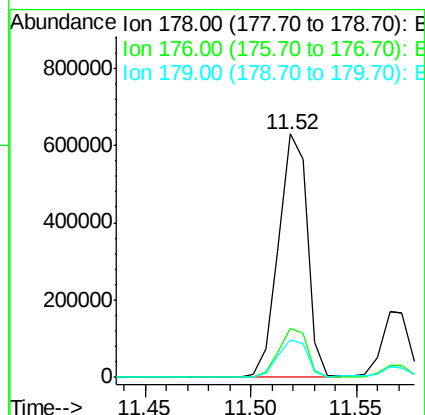
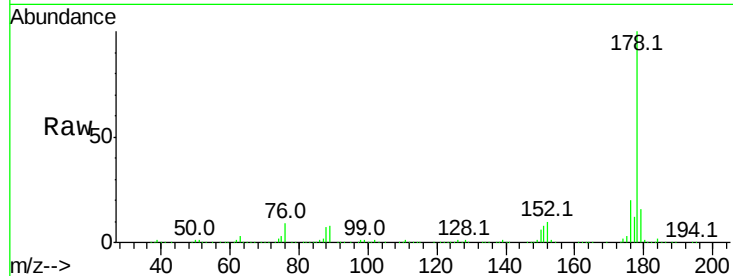
#70
Phenanthrene
Concen: 45.812 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.7	13.0	19.6

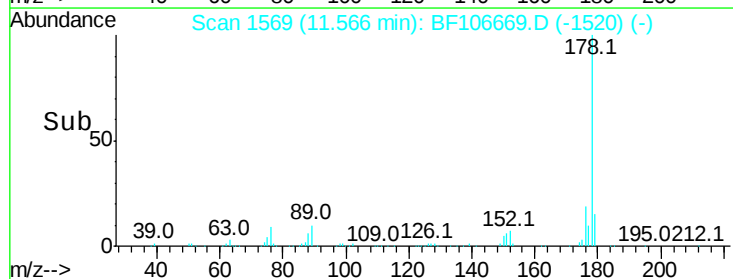
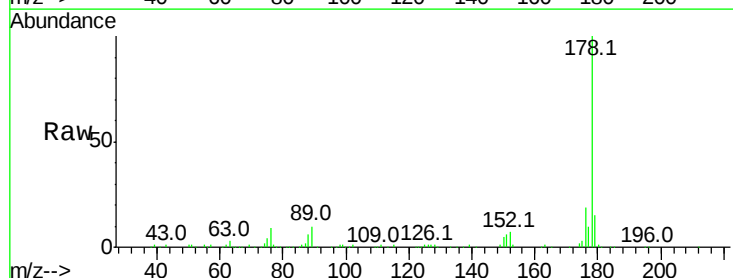
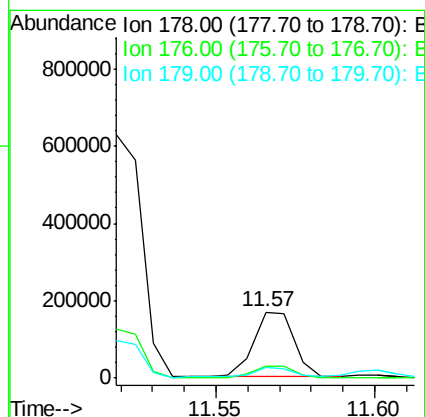
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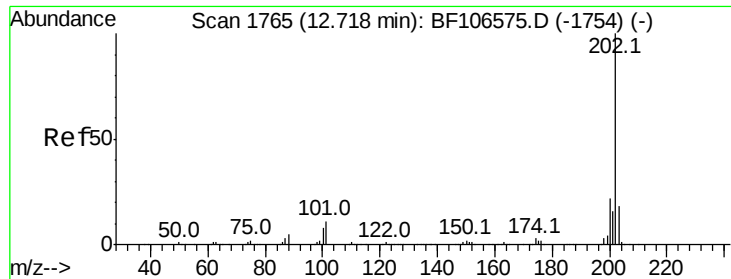
Sohil
7/3/2018 3:52:18 PM



#71
Anthracene
Concen: 11.293 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.4	12.6	19.0





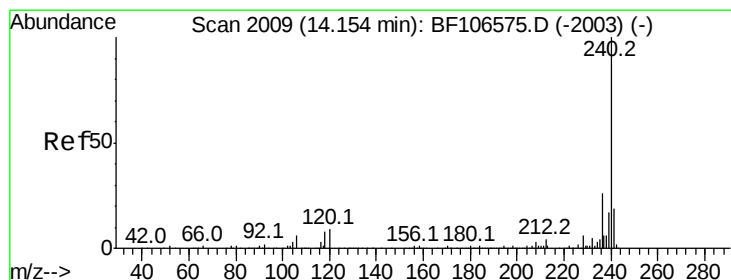
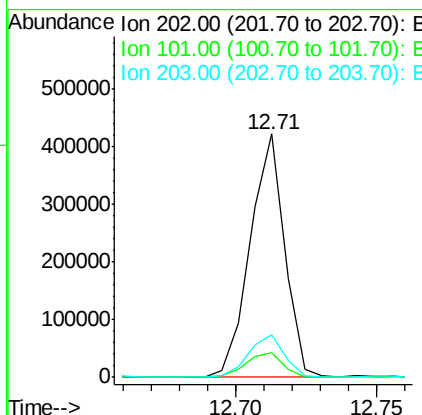
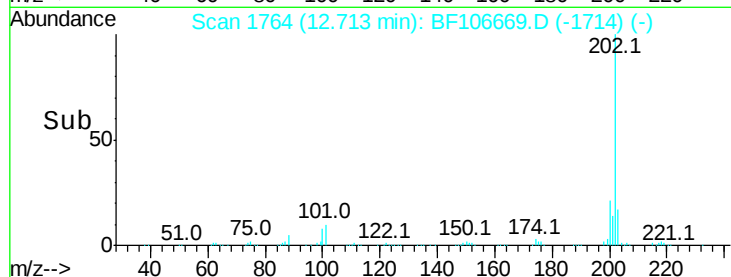
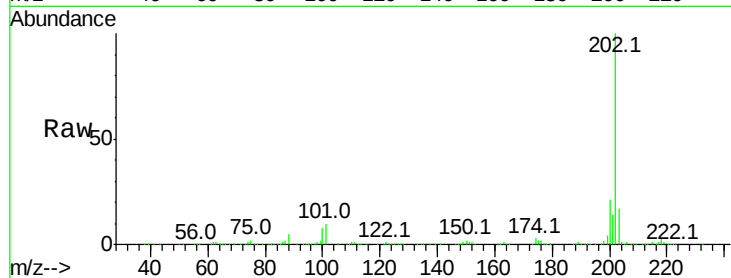
#74
Fluoranthene
Concen: 24.799 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.2	0.0	34.1
203	17.4	0.0	38.1

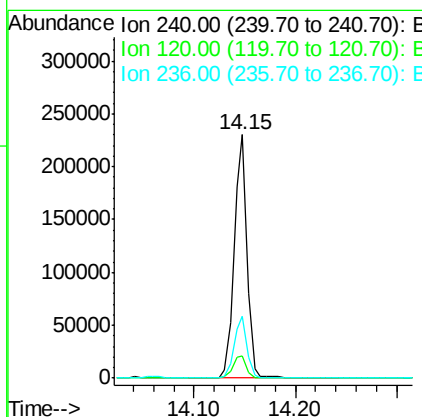
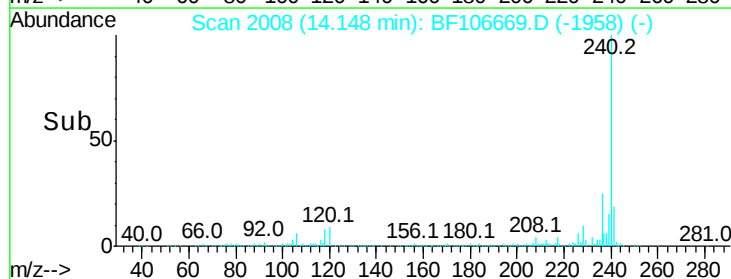
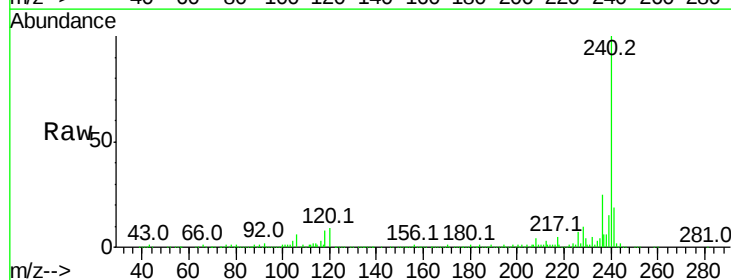
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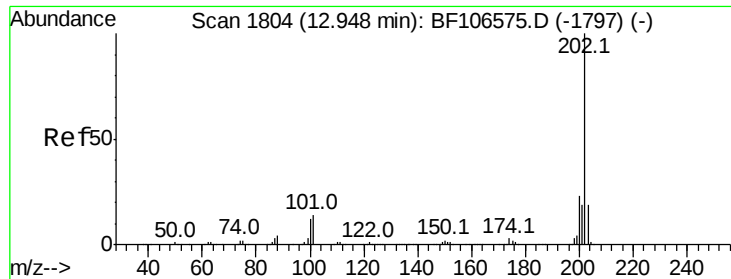
Sohil
7/3/2018 3:52:18 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.0	9.5	14.3#
236	25.2	20.7	31.1





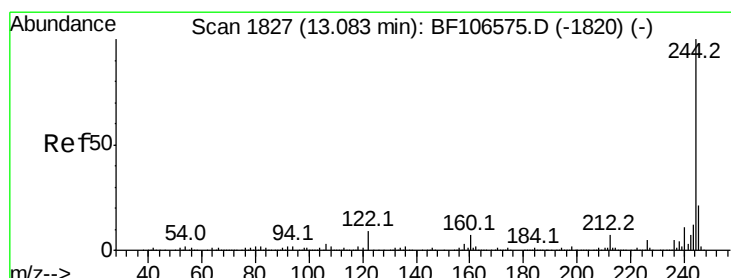
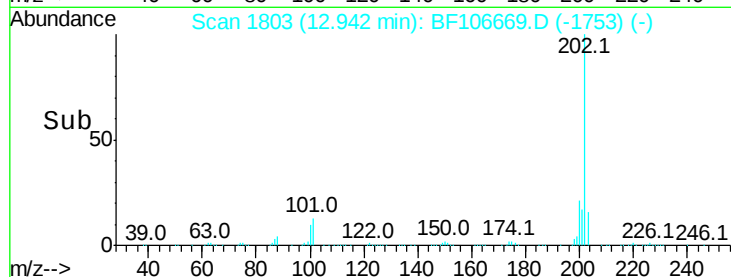
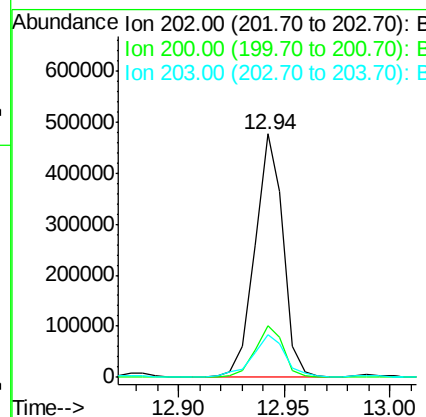
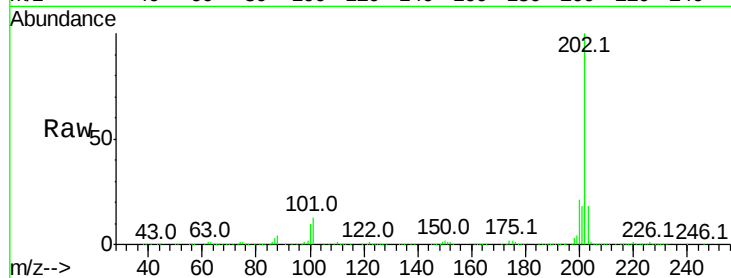
#77
Pvrene
Concen: 32.769 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.8	14.3	21.5

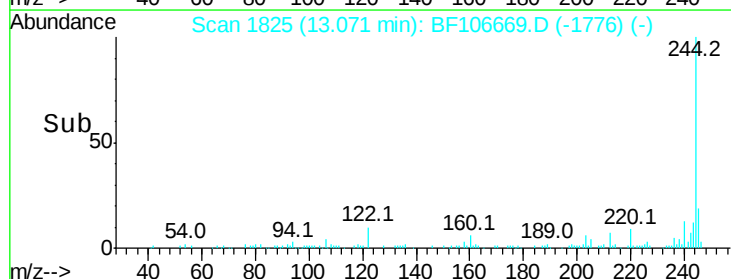
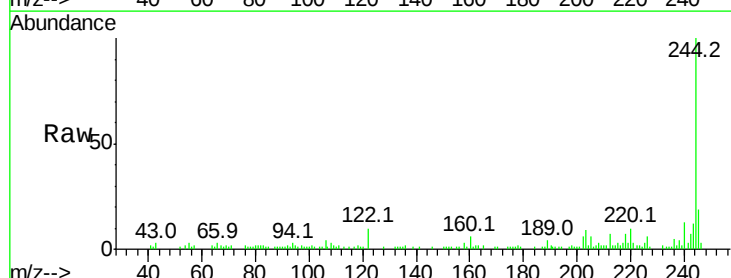
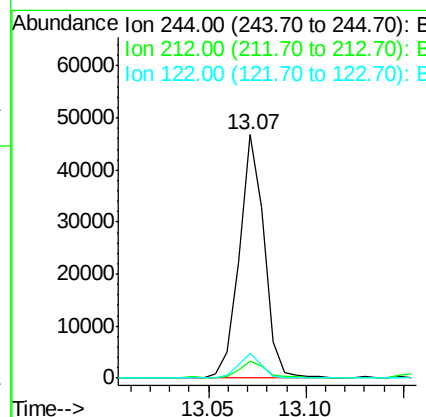
Manual Integrations
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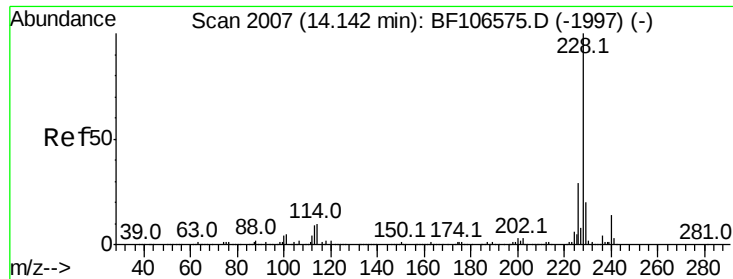
Sohil
7/3/2018 3:52:18 PM



#78
Terphenyl-d14
Concen: 4.924 ng
RT: 13.07 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.1	11.0	16.4





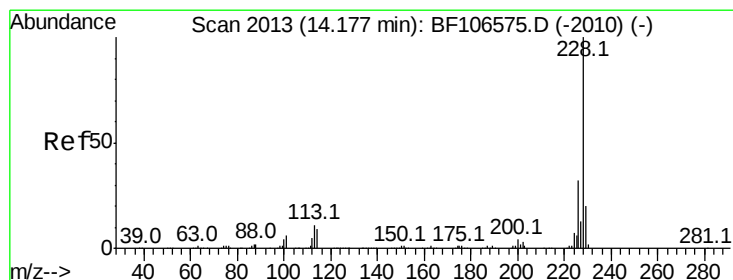
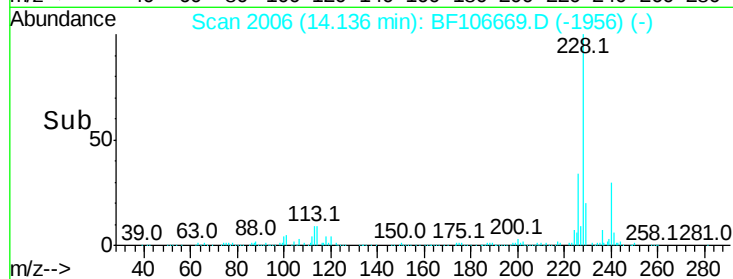
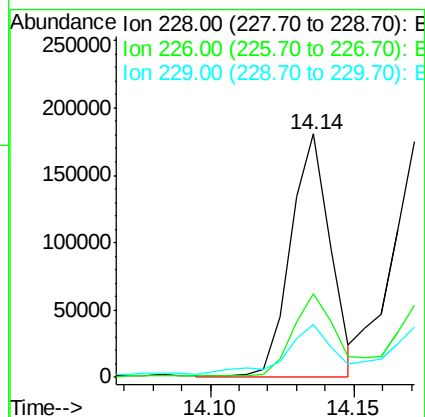
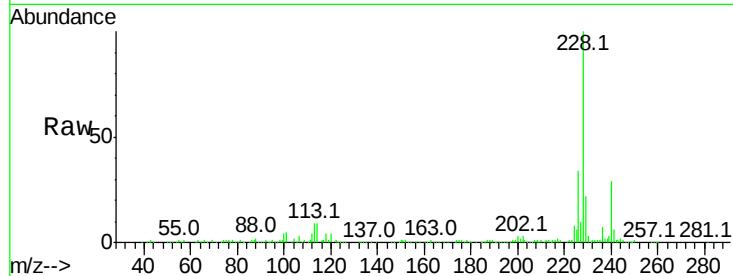
#80
Benzo(a)anthracene
Concen: 13.969 ng m
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.5	22.6	33.8#
229	22.0	15.8	23.6

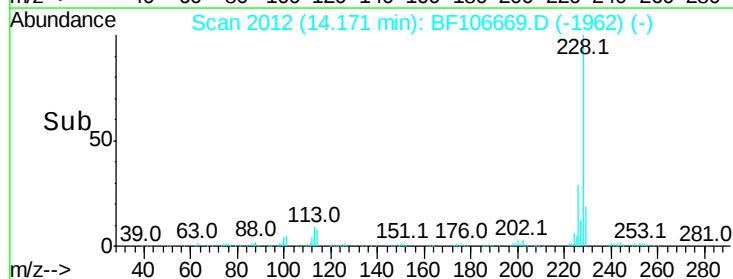
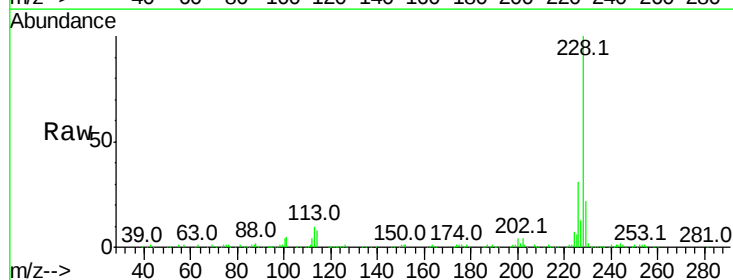
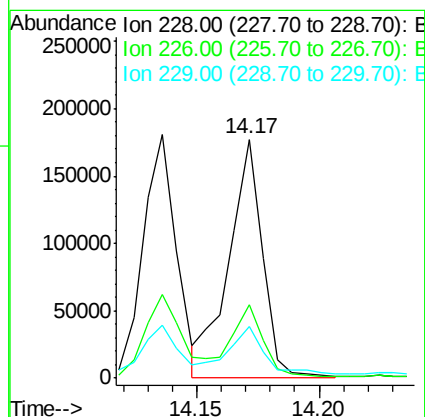
Manual Integrations
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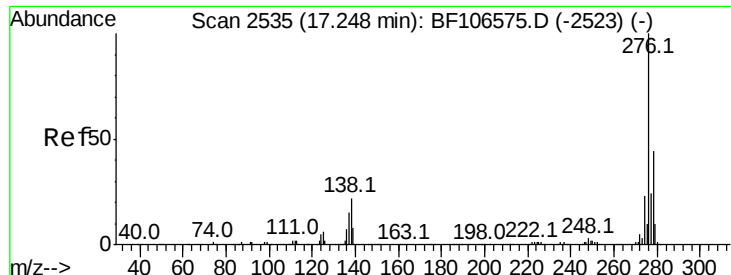
Sohil
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#82
Chrysene
Concen: 14.953 ng m
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.5	16.2	24.4





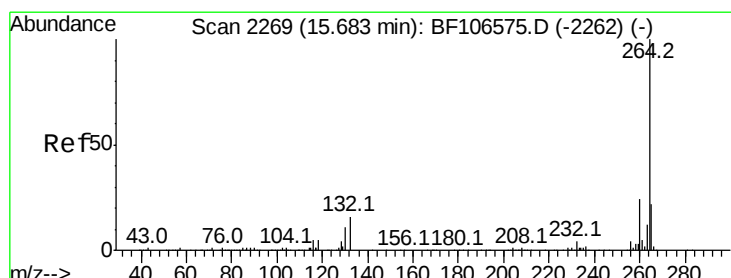
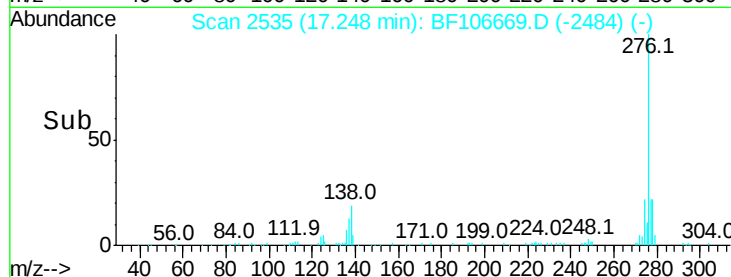
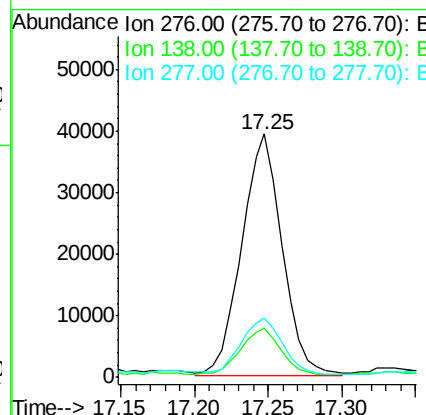
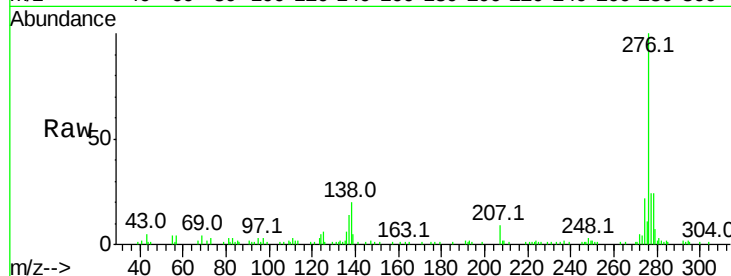
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.836 ng/ml
 RT: 17.25 min Scan# 2535
 Delta R.T. 0.00 min
 Lab File: BF106669.D
 Acq: 21 Jun 2018 19:07

Instrument :
 BNA_F
 ClientSampleID :
 AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.1	25.0	37.6#
277	4.4	20.1	30.1#

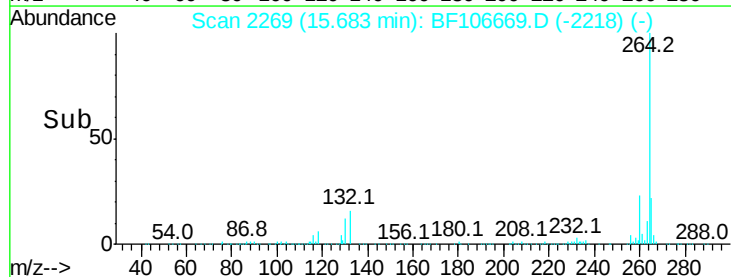
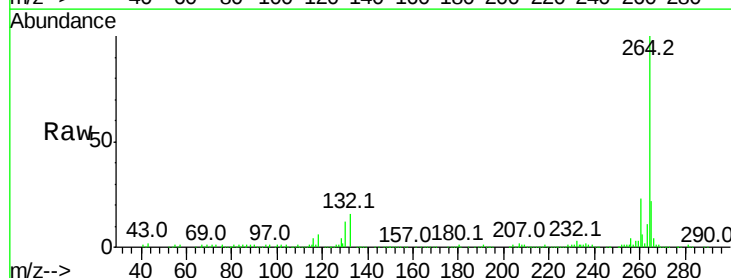
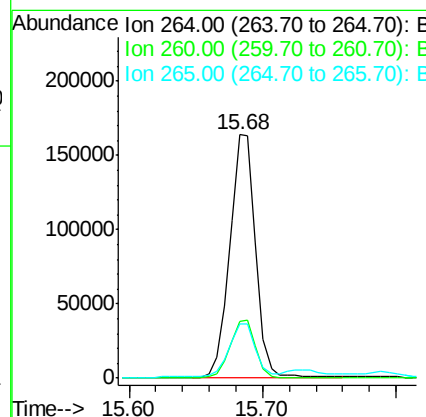
Manual Integrations
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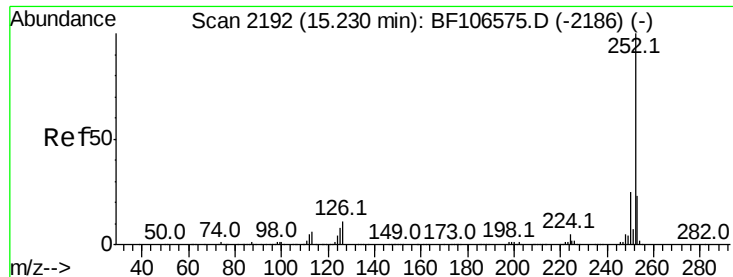
Sohil
 7/3/2018 3:52:18 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: BF106669.D
 Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3





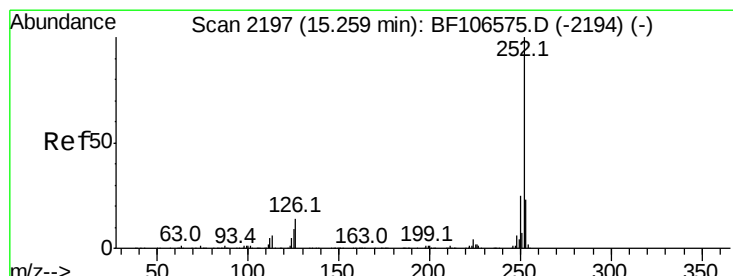
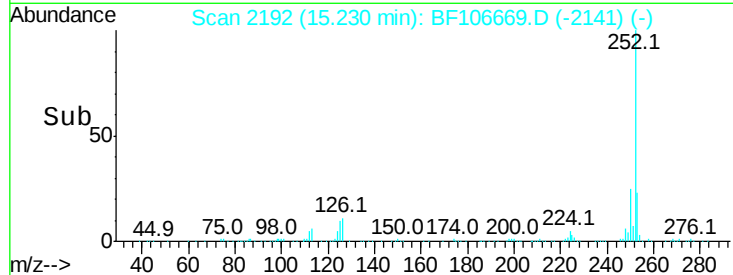
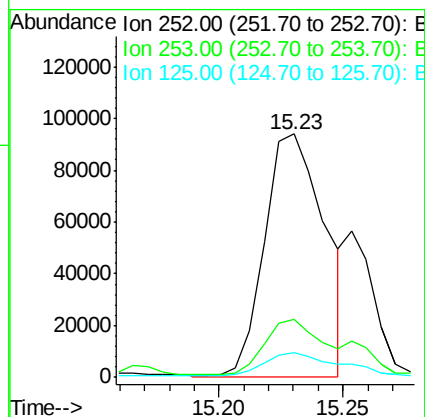
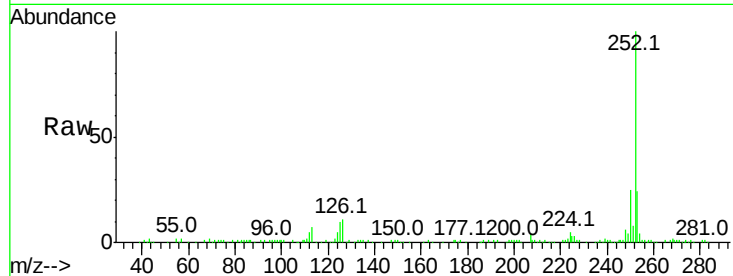
#87
Benzo(b)fluoranthene
Concen: 11.554 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Instrument :
BNA_F
ClientSampleId :
AREA-3(D)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	10.0	9.0	13.6

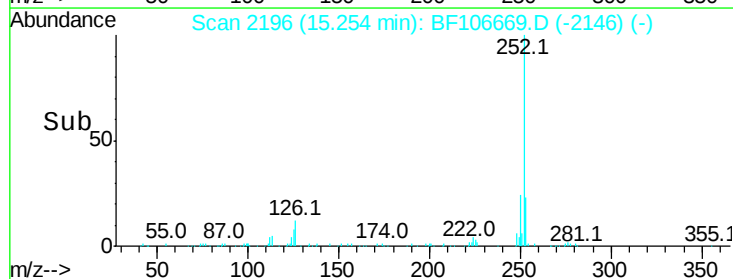
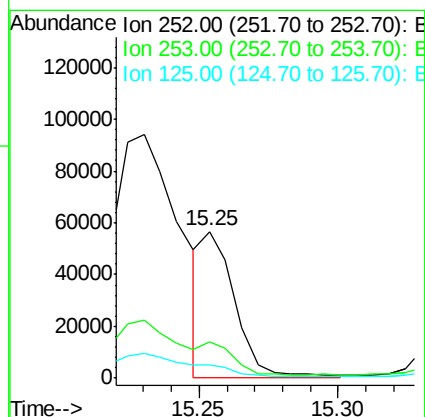
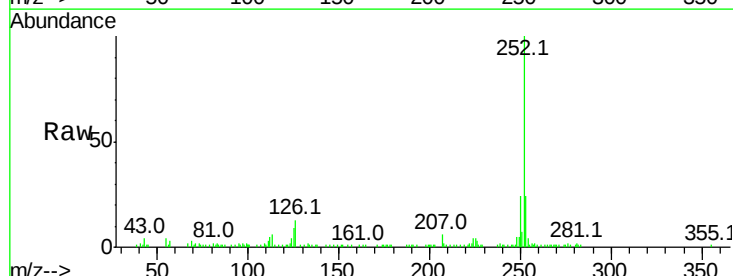
Manual Integrations
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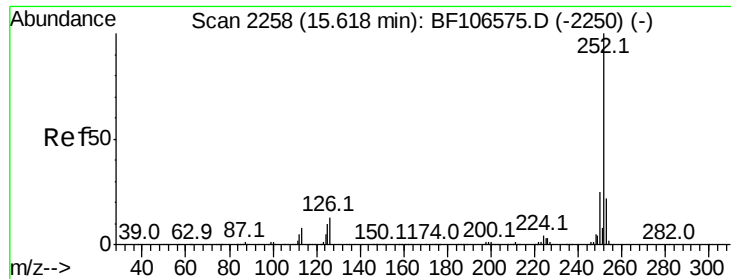
Sohil
7/3/2018 3:52:18 PM



#88
Benzo(k)fluoranthene
Concen: 3.633 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF106669.D
Acq: 21 Jun 2018 19:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	9.1	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 12.510 ng m

RT: 15.62 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Instrument :

BNA_F

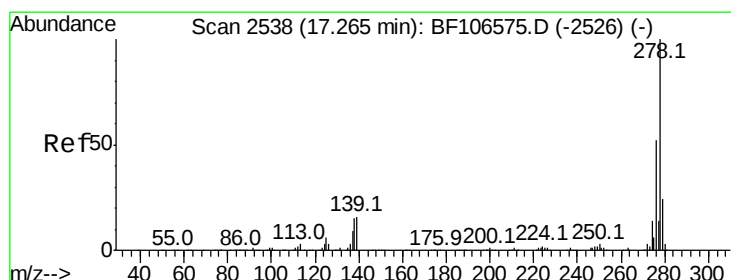
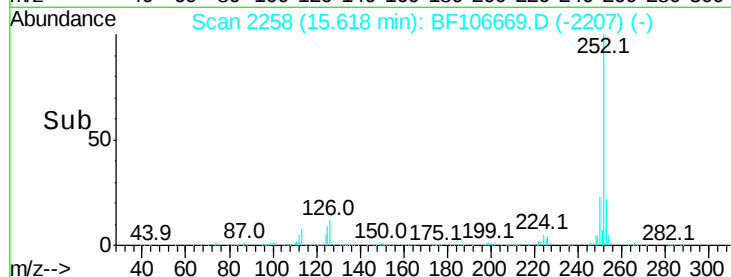
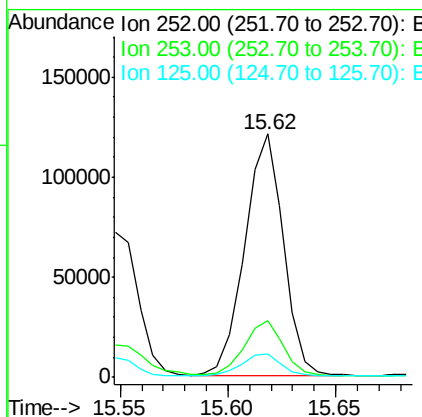
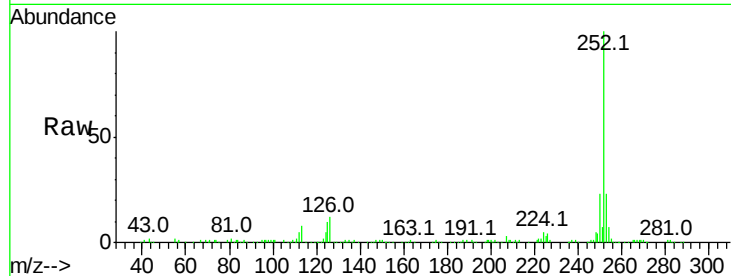
ClientSampleId :

AREA-3(D)DL

Tot Ion:	252	Resp:	153253
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	9.5	9.8	14.6#

Manual Integrations
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7/3/2018 3:52:18 PM



#90

Dibenzo(a,h)anthracene

Concen: 2.325 ng m

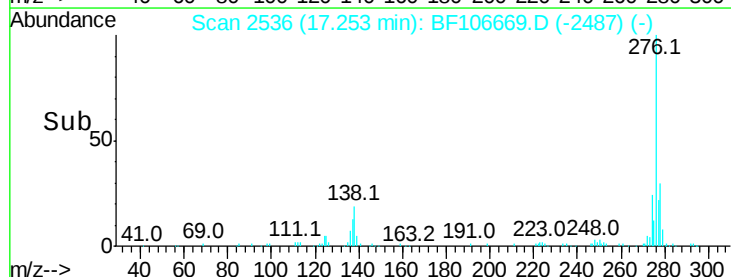
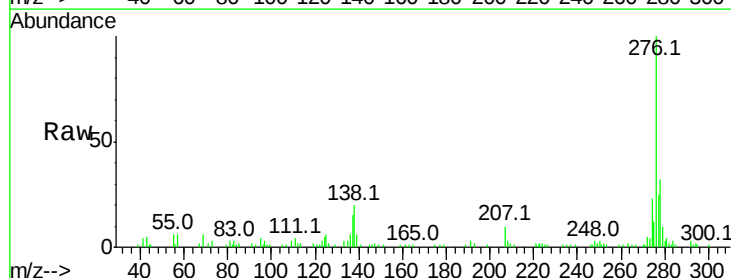
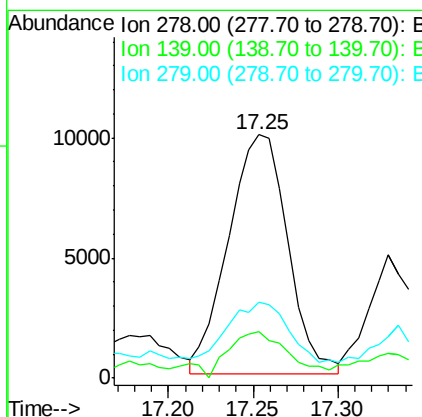
RT: 17.25 min Scan# 2536

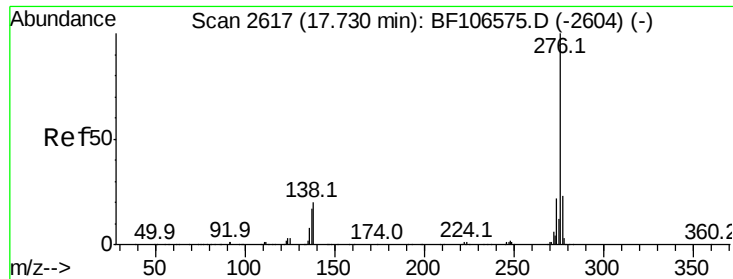
Delta R.T. -0.01 min

Lab File: BF106669.D

Acq: 21 Jun 2018 19:07

Tgt Ion:	278	Resp:	24142
Ion Ratio	Lower	Upper	
278	100		
139	19.2	15.9	23.9
279	31.2	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 7.477 ng
 RT: 17.72 min Scan# 2616
 Delta R.T. -0.01 min
 Lab File: BF106669.D
 Acq: 21 Jun 2018 19:07

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3(D)DL

Tot Ion:	276	Resp:	75873
Ion Ratio	Lower	Upper	
276	100		
277	25.0	17.9	26.9
138	22.0	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/3/2018 3:52:18 PM

