

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108503.D
 Acq On : 27 Aug 2018 12:02
 Operator : JU/SJ
 Sample : J4282-11 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 SU-02-082318-A

Manual Integrations
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Quant Time: Aug 28 13:30:58 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	119945	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	483281	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	241838	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	457754	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	299262	20.00	ng	0.00
86) Perylene-d12	15.75	264	314531	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	94521	14.27	ng	-0.01
7) Phenol-d6	6.61	99	133708	15.19	ng	-0.02
23) Nitrobenzene-d5	7.55	82	83520	9.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	36442	15.11	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	178945	11.88	ng	-0.01
78) Terphenyl-d14	13.12	244	147298	12.51	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.30	128	157006	7.144	ng	99
37) 2-Methylnaphthalene	9.00	142	31916	2.052	ng	97
49) Dimethylphthalate	9.74	163	56533	3.356	ng	# 99
51) Acenaphthene	10.08	154	39670	2.907	ng	98
54) Dibenzofuran	10.25	168	49431	2.500	ng	99
57) Fluorene	10.60	166	65827	4.206	ng	98
70) Phenanthrene	11.57	178	402243	18.630	ng	99
71) Anthracene	11.61	178	130413	5.893	ng	98
74) Fluoranthene	12.76	202	366186	15.540	ng	94
77) Pyrene	12.99	202	306933	16.200	ng	99
80) Benzo(a)anthracene	14.18	228	133218	7.757	ng	99
82) Chrysene	14.22	228	119537	7.592	ng	98
85) Indeno(1,2,3-cd)pyrene	17.35	276	58721	4.304	ng	# 88
87) Benzo(b)fluoranthene	15.28	252	158457m	8.431	ng	
88) Benzo(k)fluoranthene	15.31	252	42291m	2.448	ng	
89) Benzo(a)pyrene	15.68	252	111016	6.596	ng	96
91) Benzo(a,h,i)perylene	17.85	276	54101	3.946	ng	# 90

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

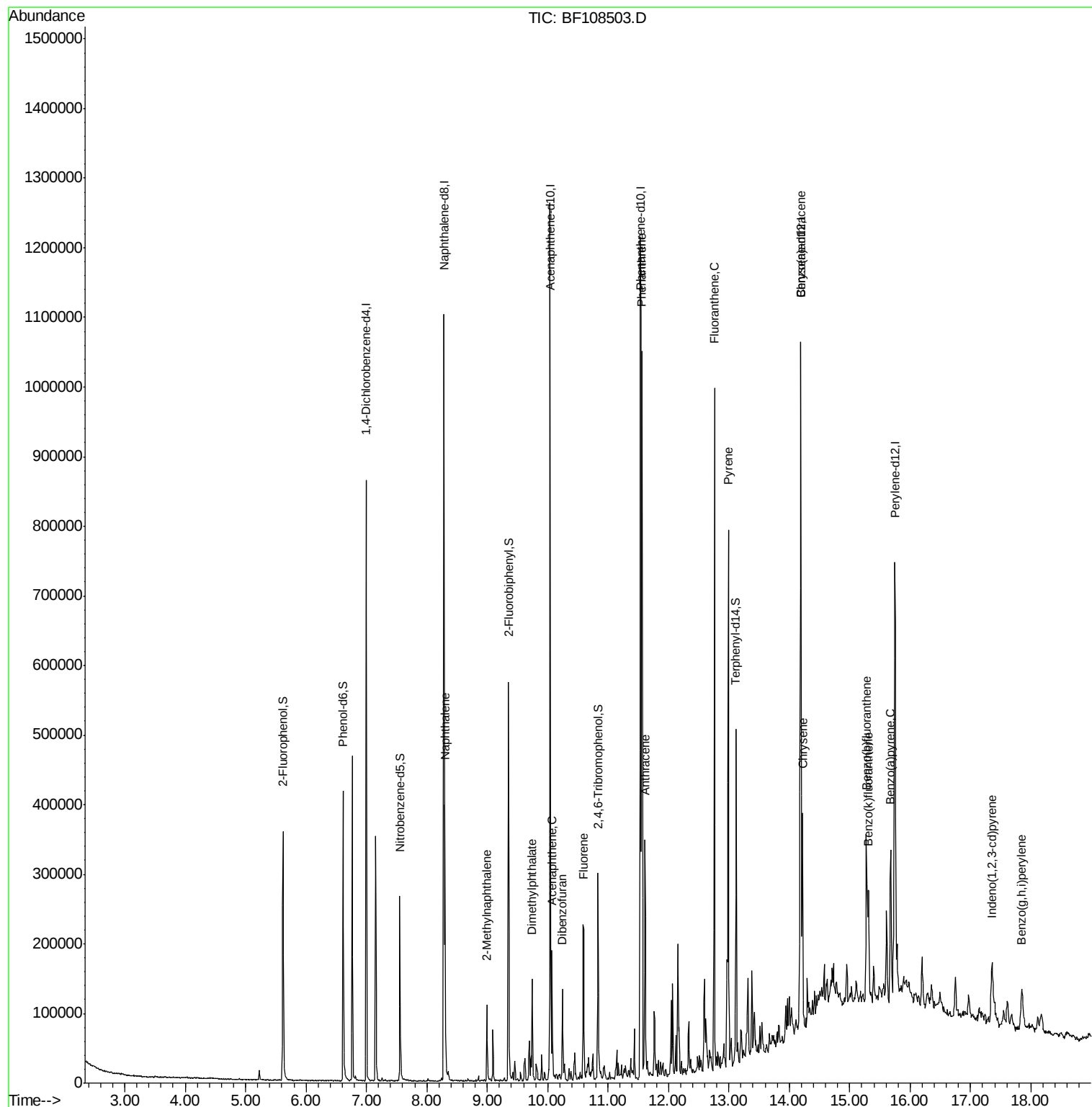
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
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ALS Vial : 7 Sample Multiplier: 1

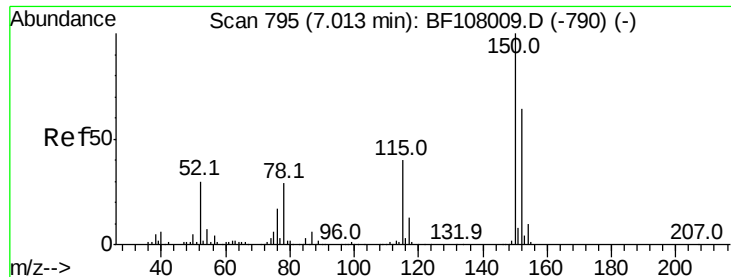
Instrument :
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#1

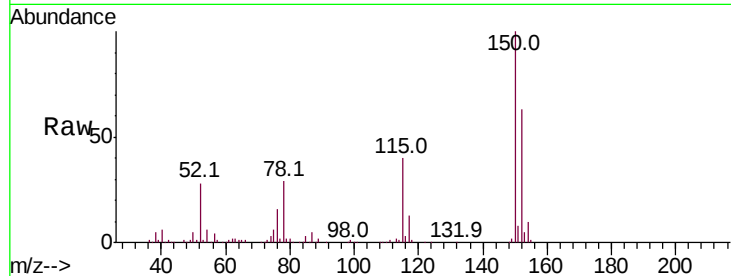
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108503.D
Acq: 27 Aug 2018 12:02

Instrument :
BNA_F
ClientSampleId :
SU-02-082318-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	63.1	50.1	75.1

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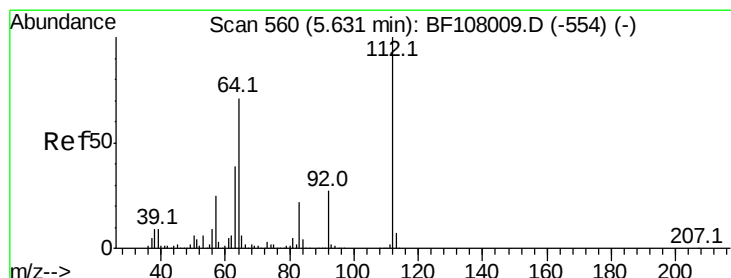
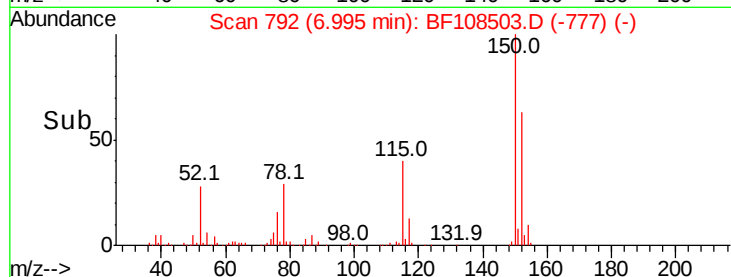
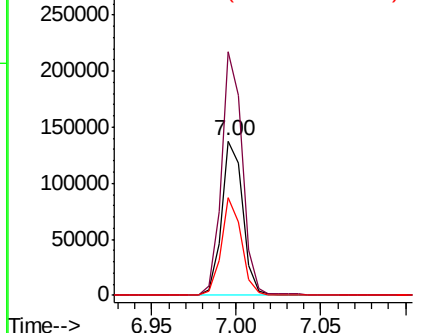


Abundance

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: 14.267 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108503.D
Acq: 27 Aug 2018 12:02

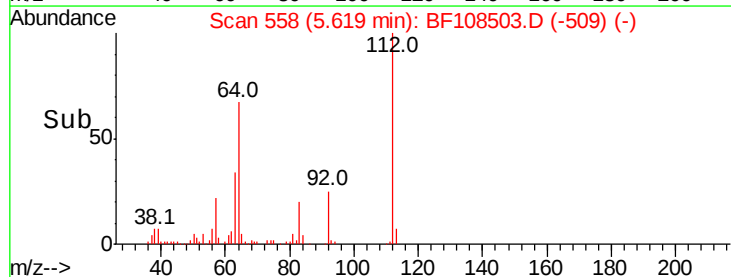
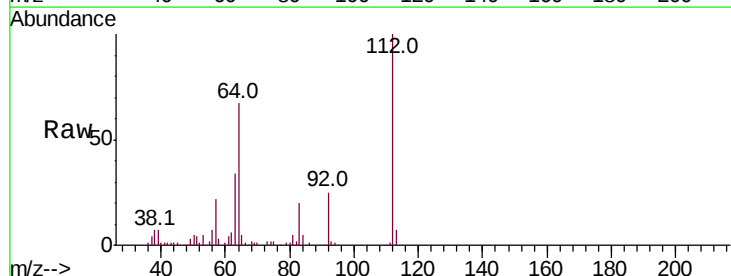
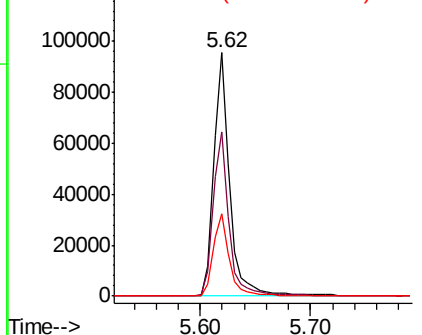
Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	47.9	71.9
63	33.7	23.7	35.5

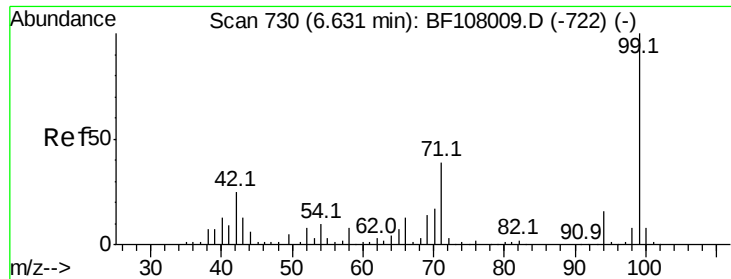
Abundance

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: 15.187 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108503.D

Acq: 27 Aug 2018 12:02

Instrument :

BNA_F

ClientSampleId :

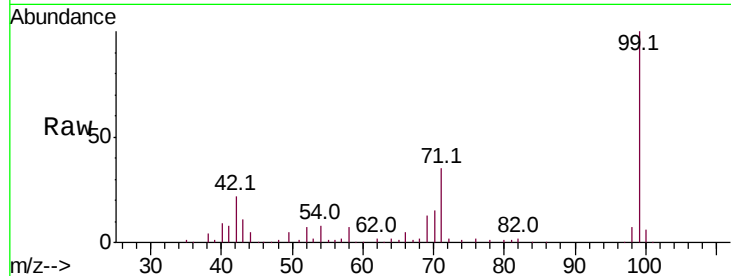
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Tot Ion: 99 Resp: 133708

Ion	Ratio	Lower	Upper
99	100		
42	22.0	14.5	21.7#
71	35.4	25.4	38.0

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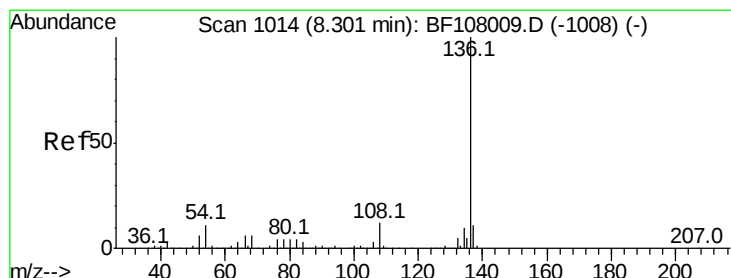
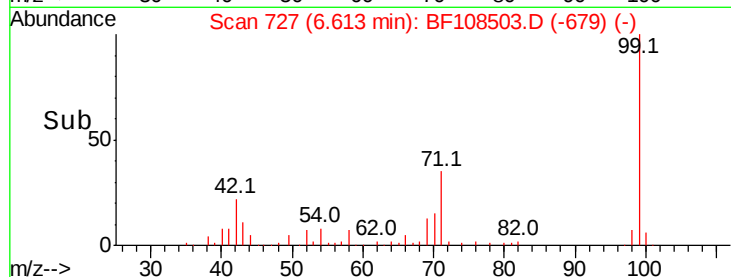
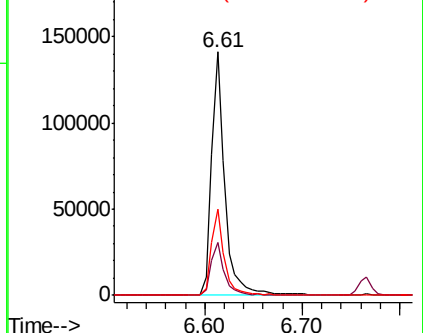
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108503.D

Acq: 27 Aug 2018 12:02

Tgt Ion: 136 Resp: 483281

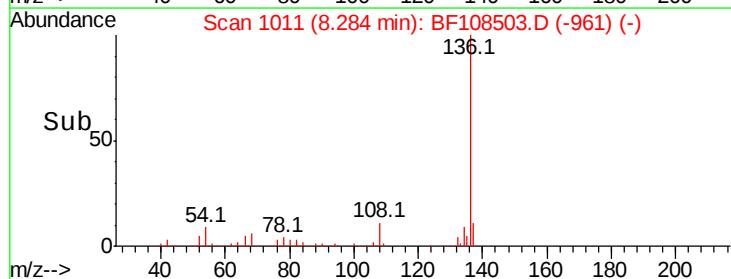
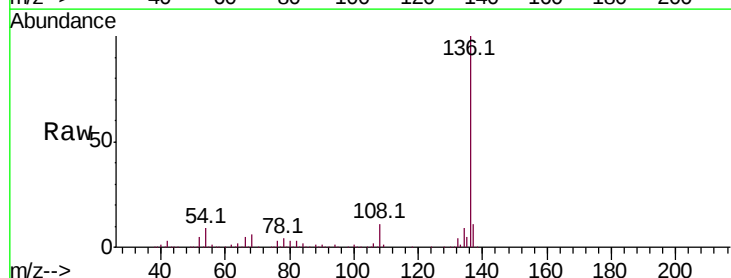
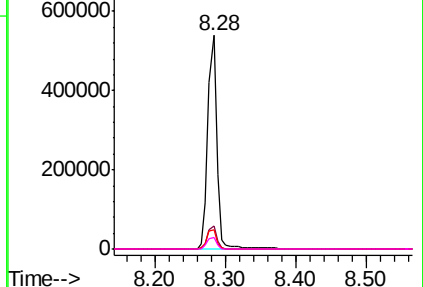
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.1	6.6	9.8
68	5.6	5.0	7.4

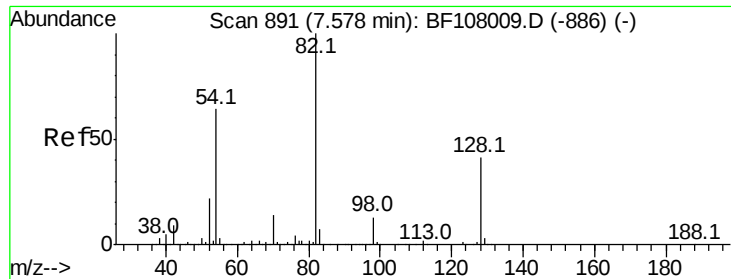
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





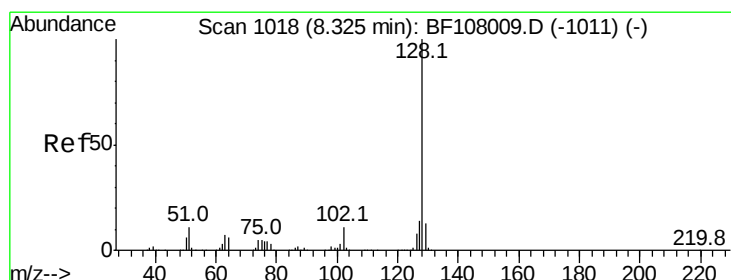
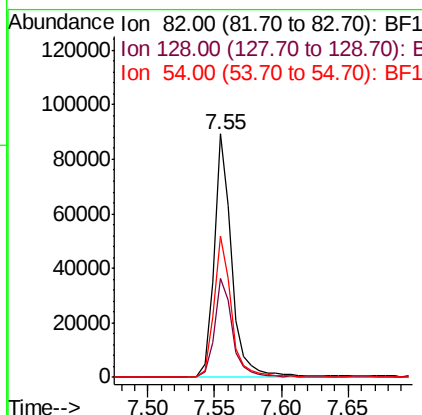
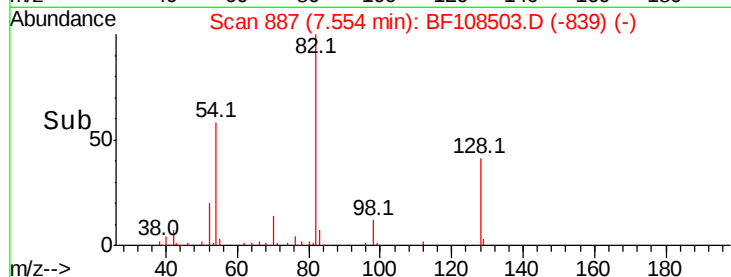
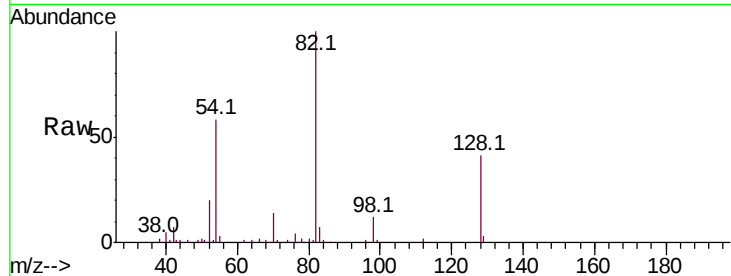
#23
 Nitrobenzene-d5
 Concen: 9.644 ng
 RT: 7.55 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF108503.D
 Acq: 27 Aug 2018 12:02

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-082318-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.5	36.1	54.1
54	58.2	41.4	62.2

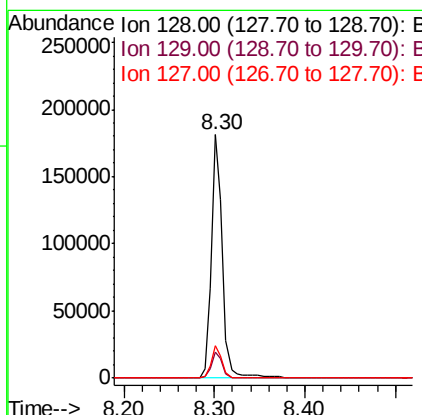
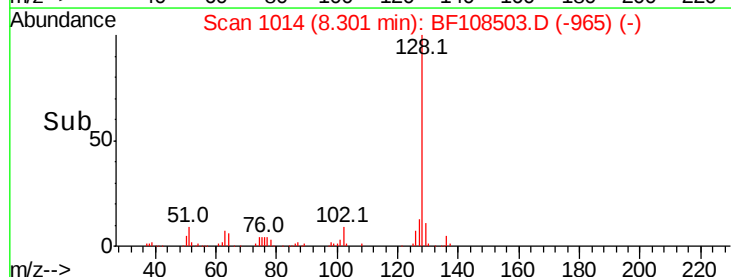
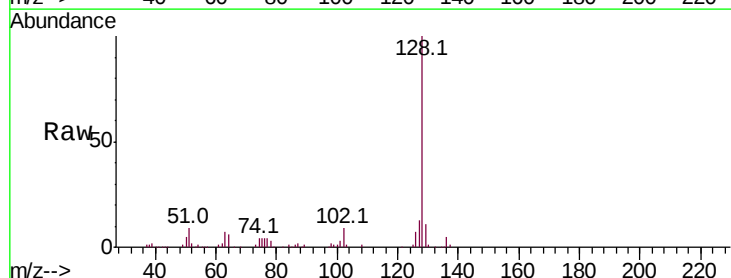
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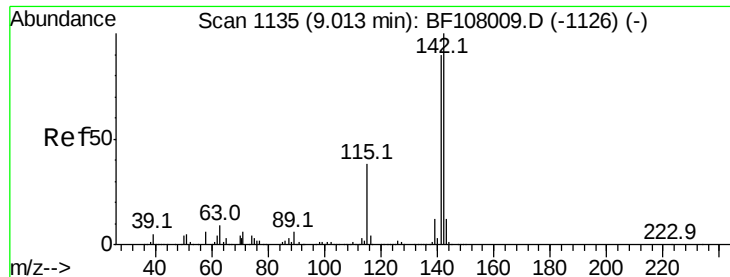
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#31
 Naphthalene
 Concen: 7.144 ng
 RT: 8.30 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BF108503.D
 Acq: 27 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.3	10.9	16.3





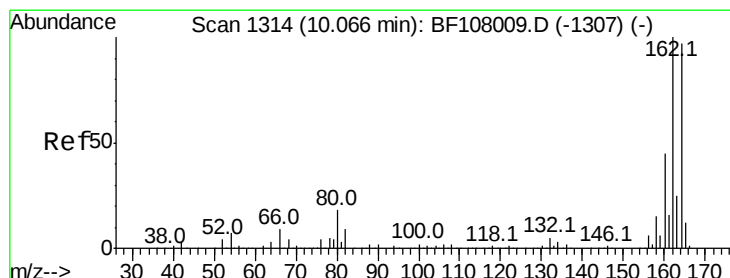
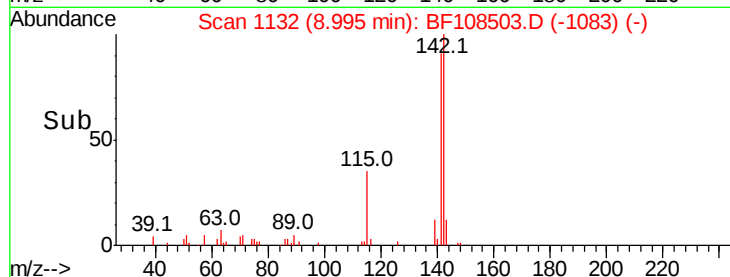
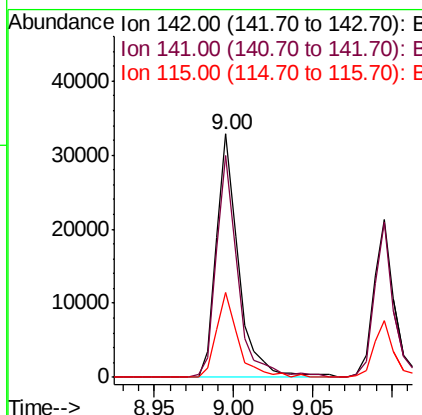
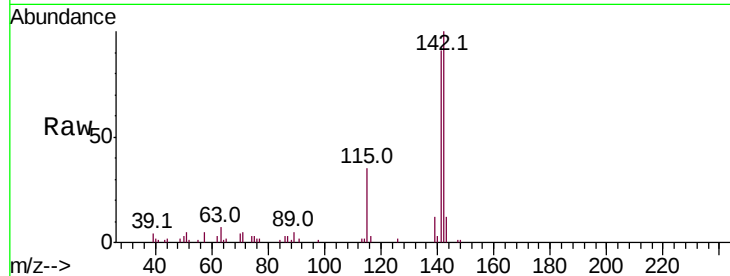
#37
2-Methylnaphthalene
Concen: 2.052 ng
RT: 9.00 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF108503.D
Acq: 27 Aug 2018 12:02

Instrument :
BNA_F
ClientSampleId :
SU-02-082318-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.2	70.8	106.2
115	34.8	26.1	39.1

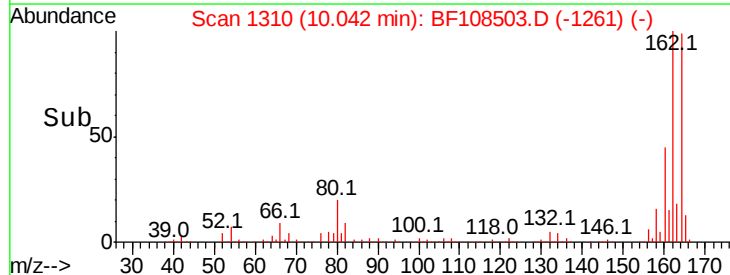
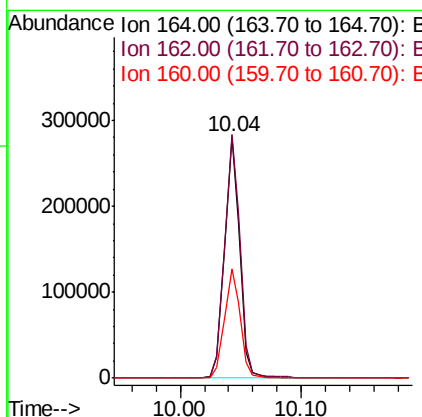
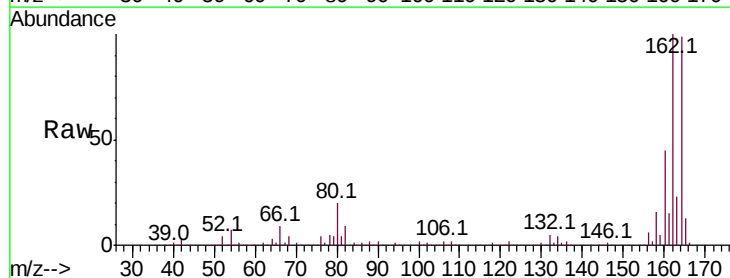
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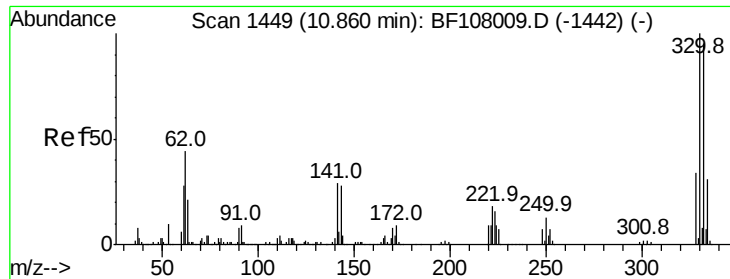
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108503.D
Acq: 27 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	86.1	129.1
160	45.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 15.107 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF108503.D

Acq: 27 Aug 2018 12:02

Instrument :

BNA_F

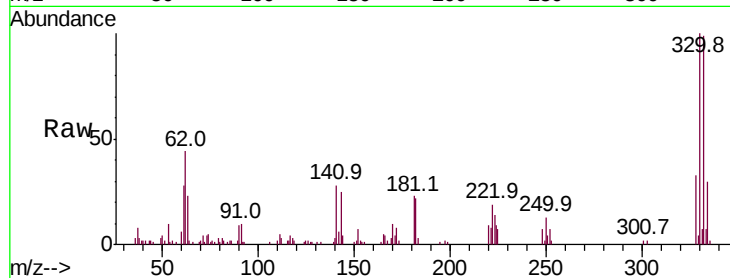
ClientSampleId :

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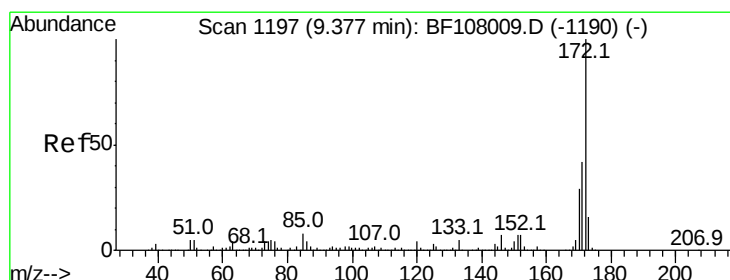
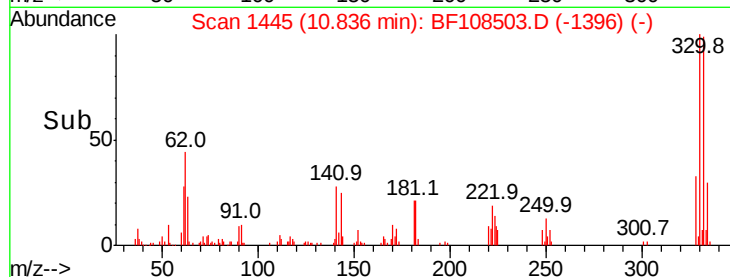
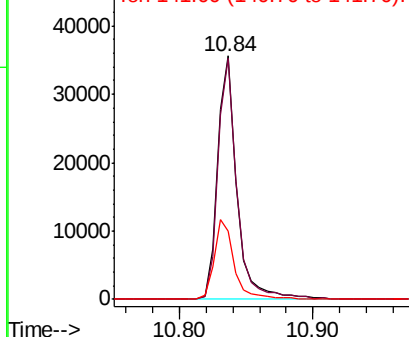
Tot Ion:	330	Resp:	36442
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.0	115.6
141	34.1	29.9	44.9

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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: 11.879 ng

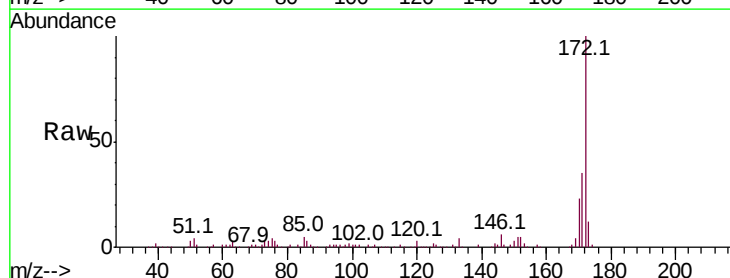
RT: 9.35 min Scan# 1193

Delta R.T. -0.01 min

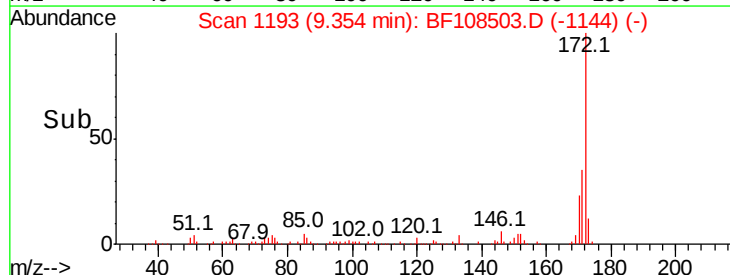
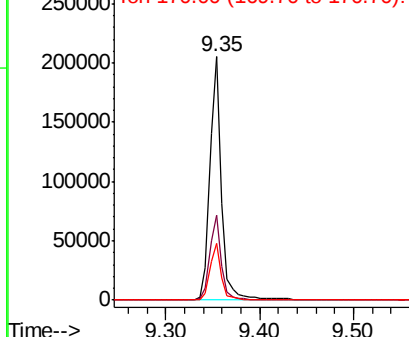
Lab File: BF108503.D

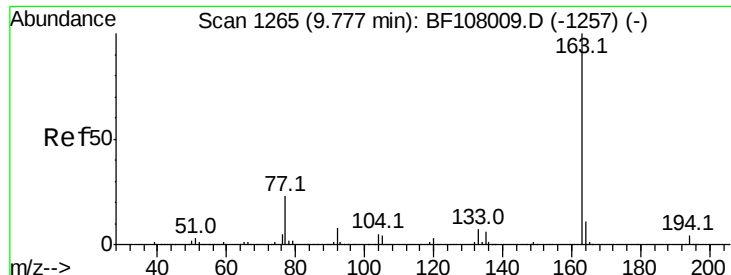
Acq: 27 Aug 2018 12:02

Tgt Ion:	172	Resp:	178945
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.7	44.5
170	23.1	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





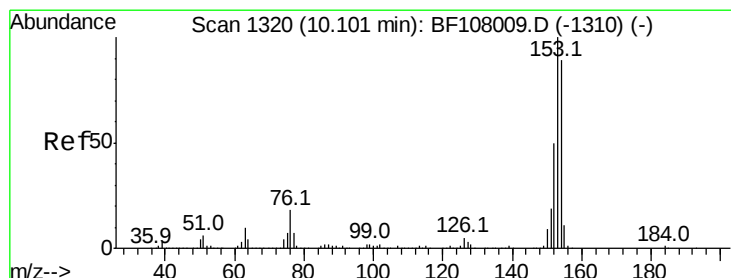
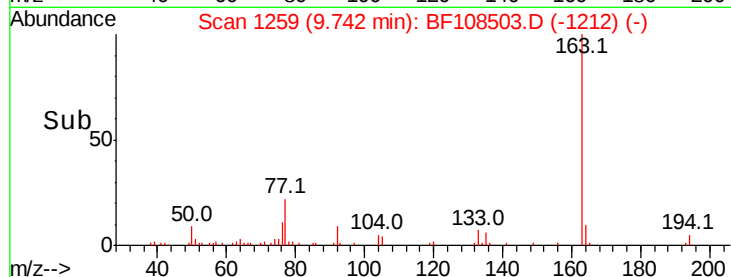
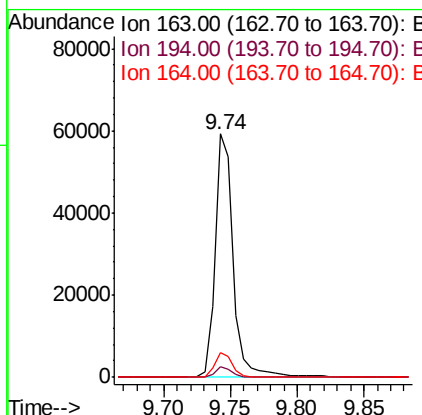
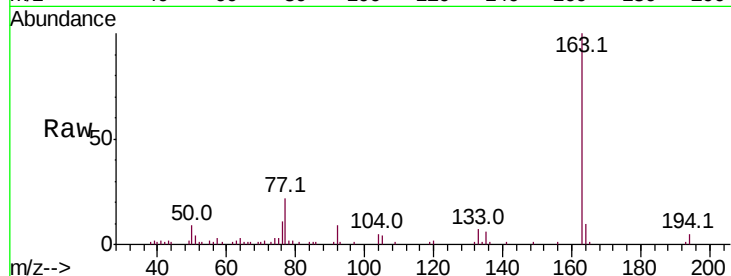
#49
 Dimethylphthalate
 Concen: 3.356 ng
 RT: 9.74 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: BF108503.D
 Acq: 27 Aug 2018 12:02

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-082318-A

Tot Ion:	163	Resp:	56533
Ion Ratio	Lower	Upper	
163	100		
194	4.6	2.7	4.1#
164	10.2	8.2	12.2

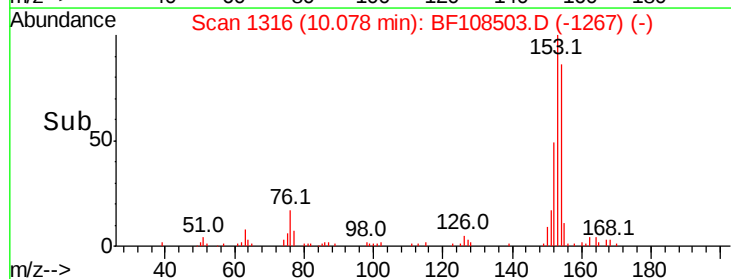
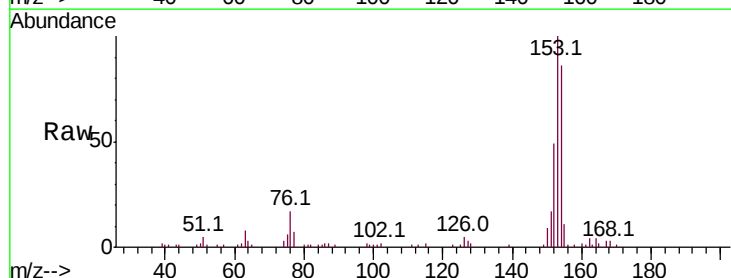
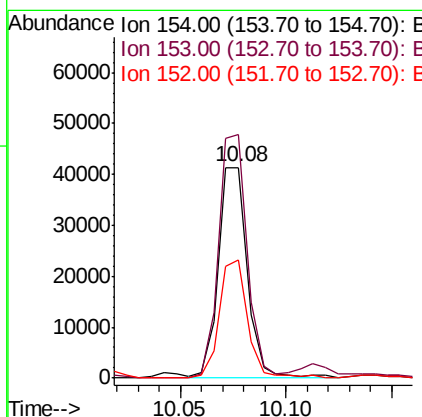
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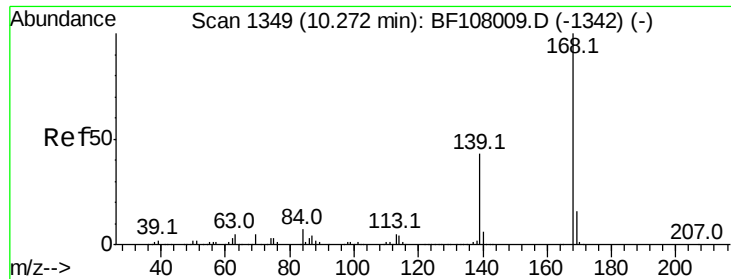
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#51
 Acenaphthene
 Concen: 2.907 ng
 RT: 10.08 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF108503.D
 Acq: 27 Aug 2018 12:02

Tgt Ion:	154	Resp:	39670
Ion Ratio	Lower	Upper	
154	100		
153	115.7	91.2	136.8
152	56.4	43.8	65.8





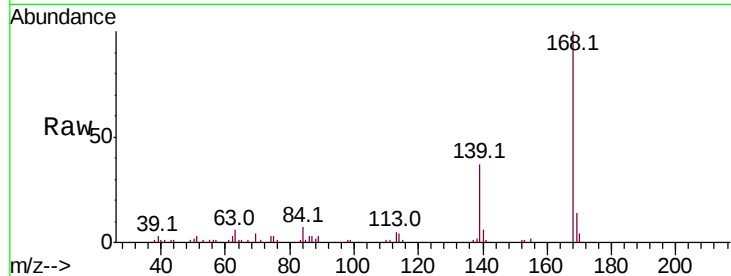
#54
Dibenzenofuran
Concen: 2.500 ng
RT: 10.25 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF108503.D
Acq: 27 Aug 2018 12:02

Instrument :
BNA_F
ClientSampleId :
SU-02-082318-A

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.0	30.1	45.1
169	14.4	10.9	16.3

Manual Integrations
APPROVED

Sohil
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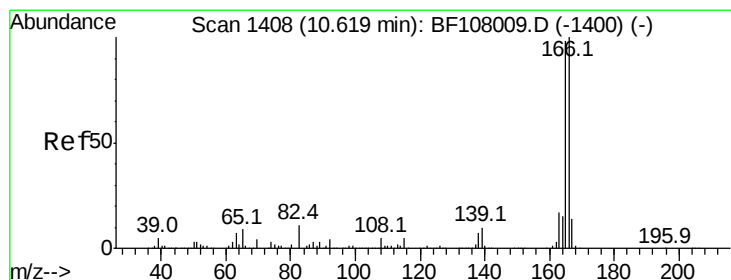
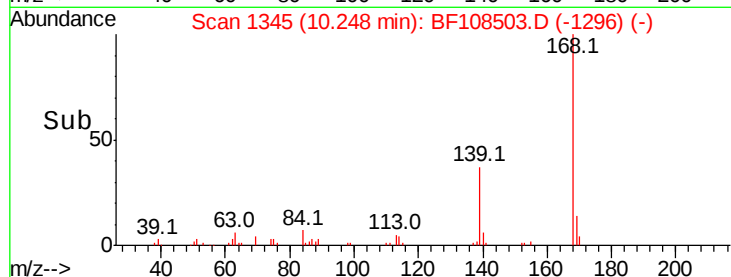
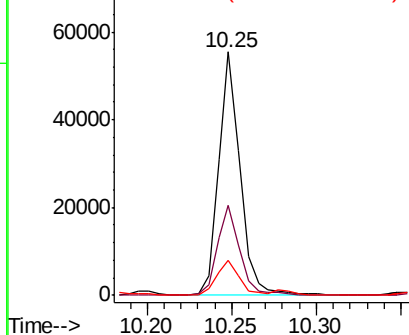


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 4.206 ng
RT: 10.60 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF108503.D
Acq: 27 Aug 2018 12:02

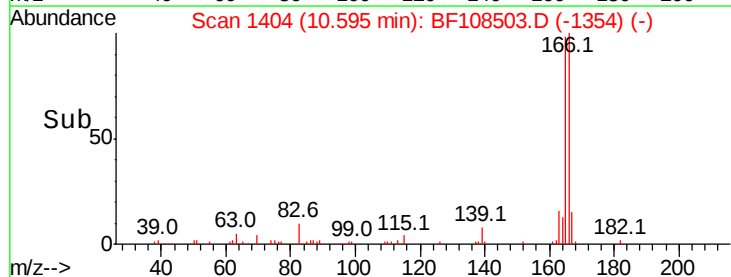
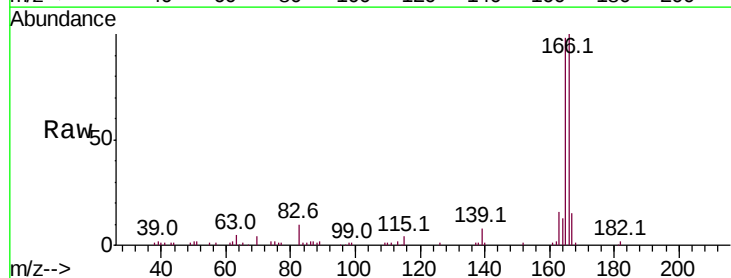
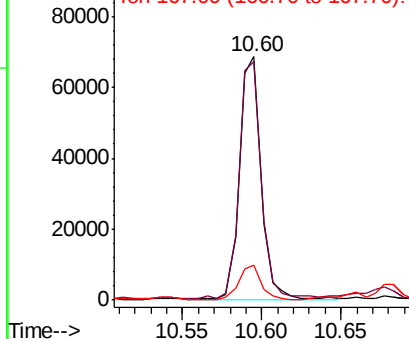
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.8	119.8
167	14.5	10.6	16.0

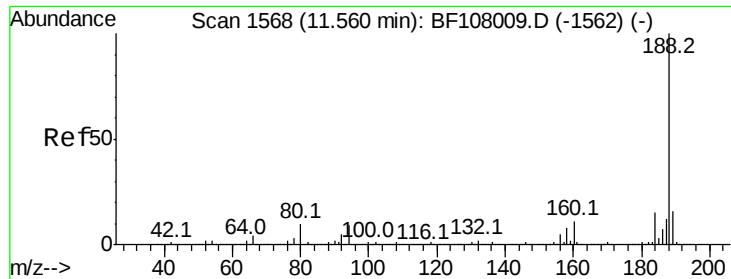
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





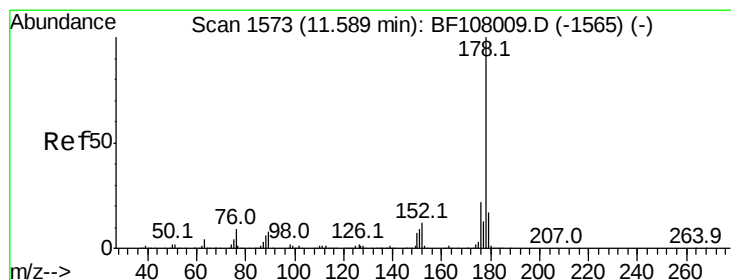
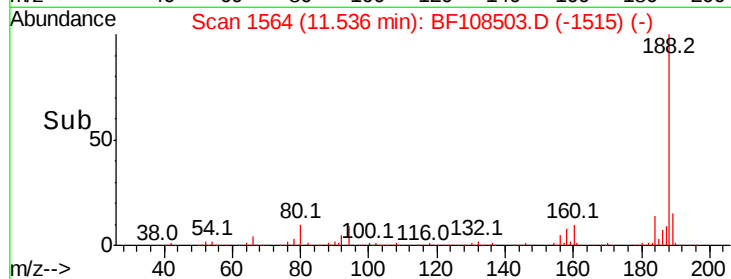
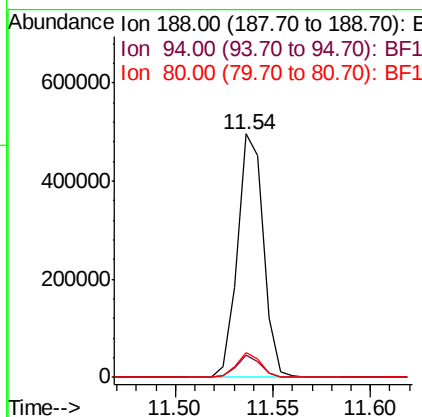
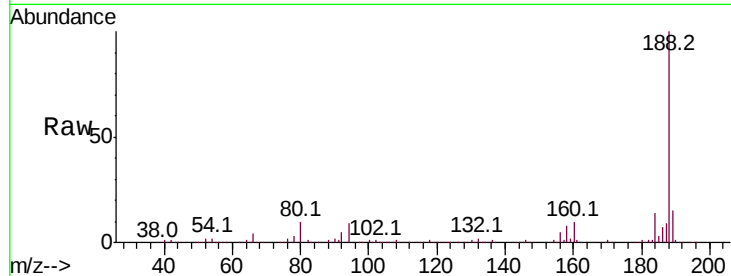
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108503.D
 Acq: 27 Aug 2018 12:02

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-082318-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	457754		
94	9.1	8.5	12.7	
80	10.1	9.2	13.8	

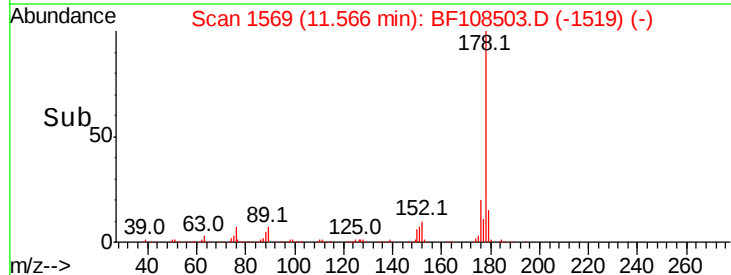
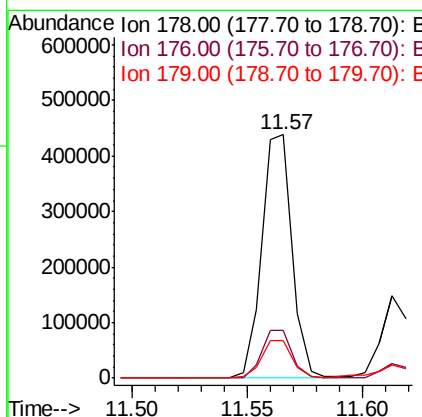
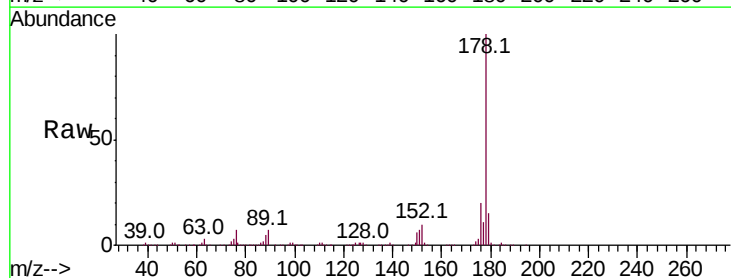
Manual Integrations
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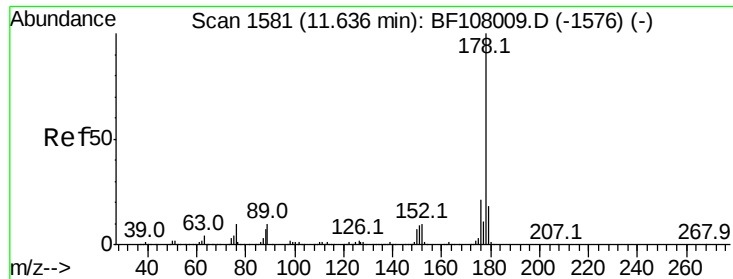
Sohil
 8/28/2018 2:53:15 PM



#70
 Phenanthrene
 Concen: 18.630 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF108503.D
 Acq: 27 Aug 2018 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	402243		
176	19.7	15.8	23.8	
179	15.4	13.0	19.6	





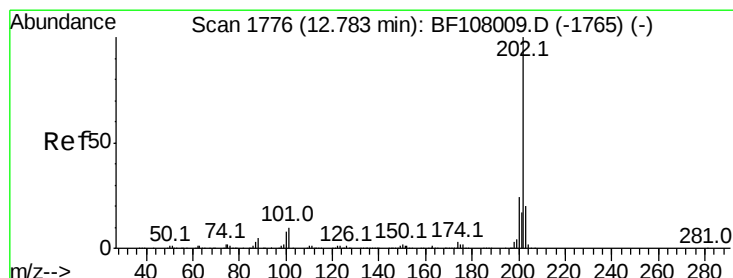
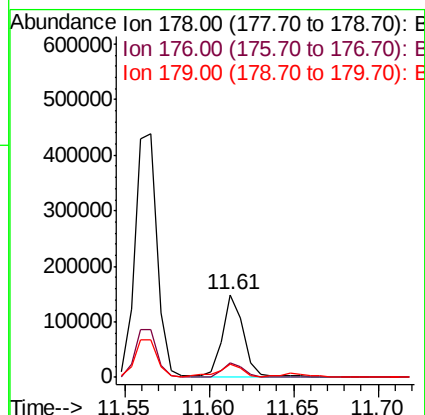
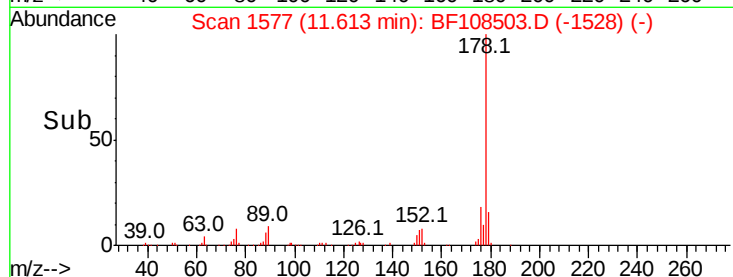
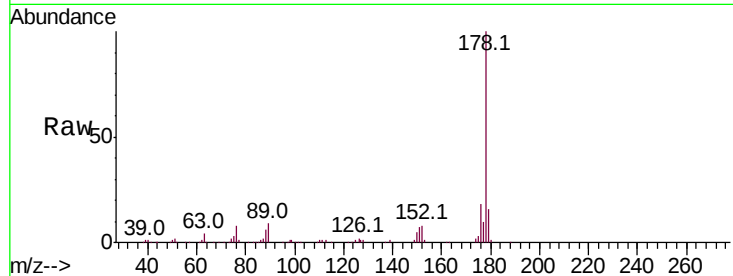
#71
 Anthracene
 Concen: 5.893 ng
 RT: 11.61 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF108503.D
 Acq: 27 Aug 2018 12:02

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-082318-A

Tot Ion:	178	Resp:	130413
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.4	23.2
179	16.3	12.6	19.0

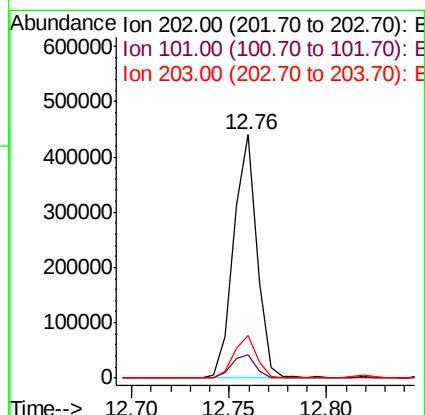
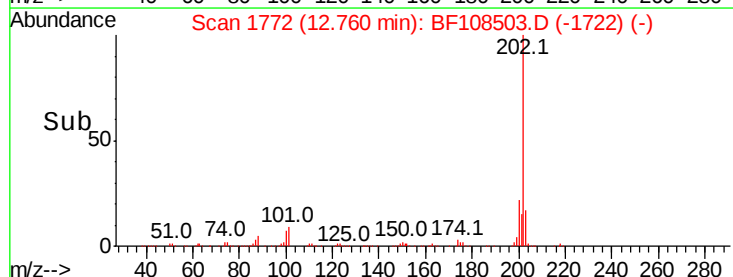
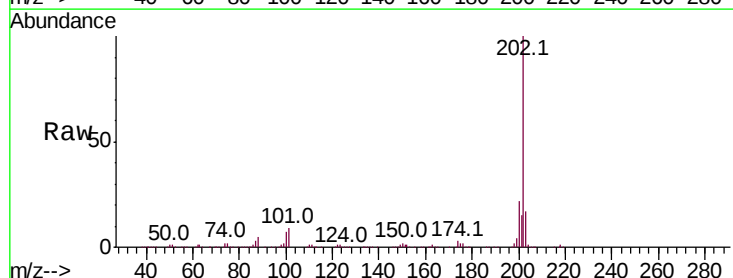
Manual Integrations
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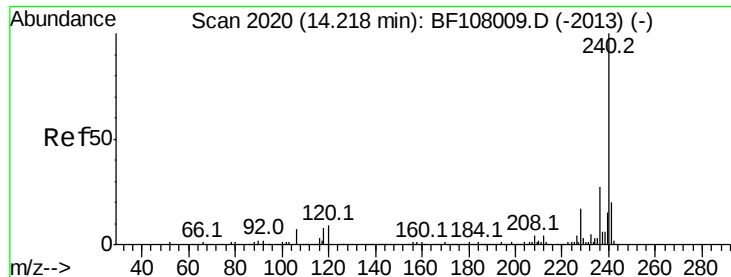
Sohil
 8/28/2018 2:53:15 PM



#74
 Fluoranthene
 Concen: 15.540 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108503.D
 Acq: 27 Aug 2018 12:02

Tgt Ion:	202	Resp:	366186
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	34.1
203	17.3	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: BF108503.D

Acq: 27 Aug 2018 12:02

Instrument :

BNA_F

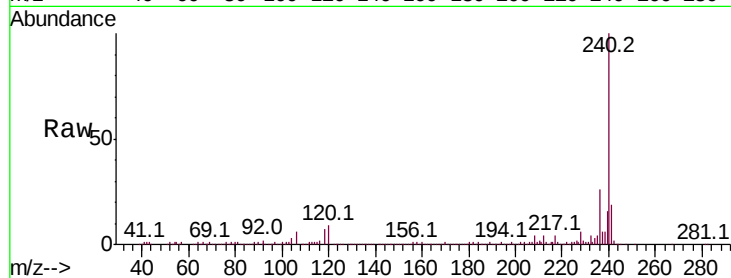
ClientSampleId :

SU-02-082318-A

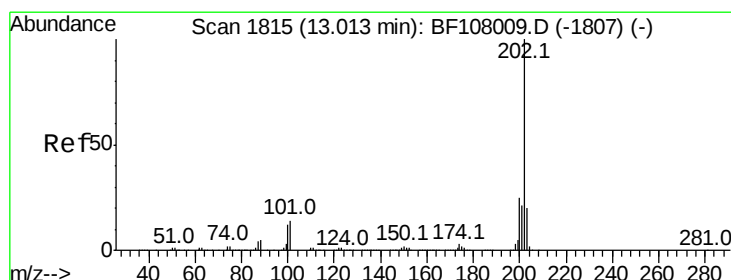
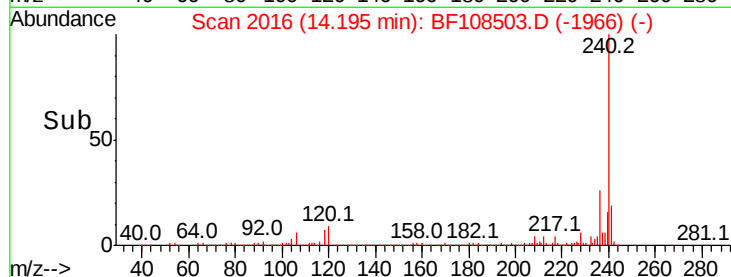
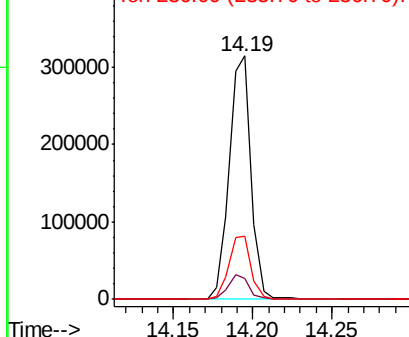
Tot Ion:	240	Resp:	299262
Ion Ratio	Lower	Upper	
240	100		
120	8.8	9.5	14.3#
236	26.1	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.200 ng

RT: 12.99 min Scan# 1811

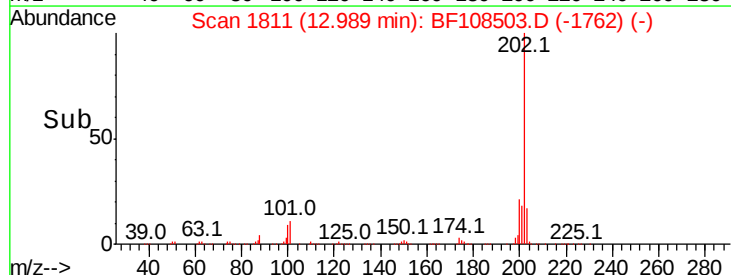
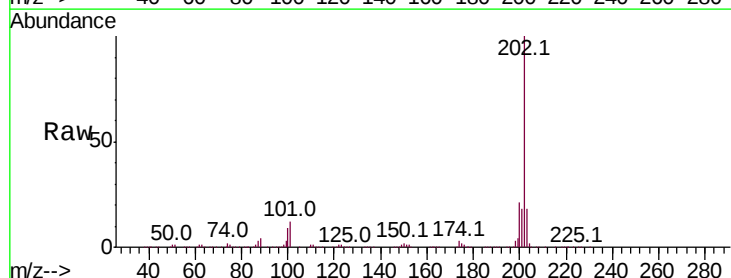
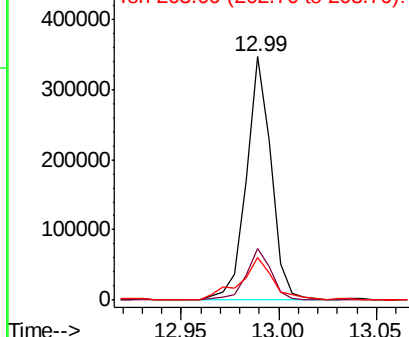
Delta R.T. -0.01 min

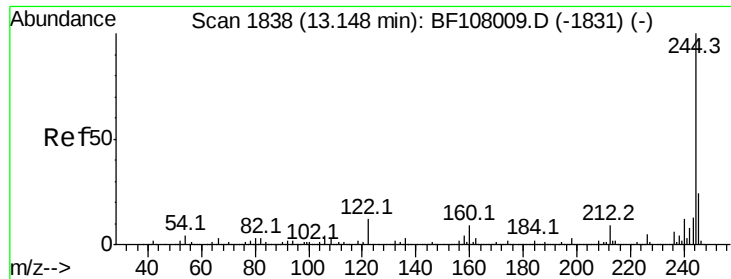
Lab File: BF108503.D

Acq: 27 Aug 2018 12:02

Tgt Ion:	202	Resp:	306933
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.6	14.3	21.5

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





#78

Terphenyl-d14

Concen: 12.515 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108503.D

Acq: 27 Aug 2018 12:02

Instrument :

BNA_F

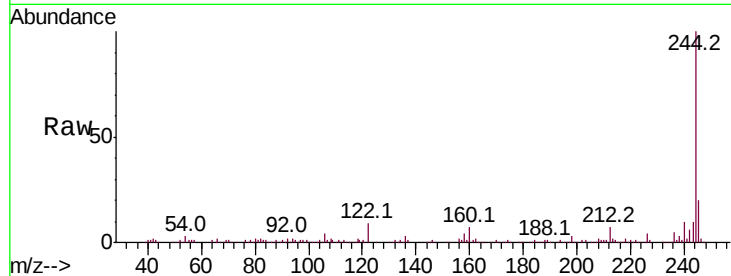
ClientSampleId :

SU-02-082318-A

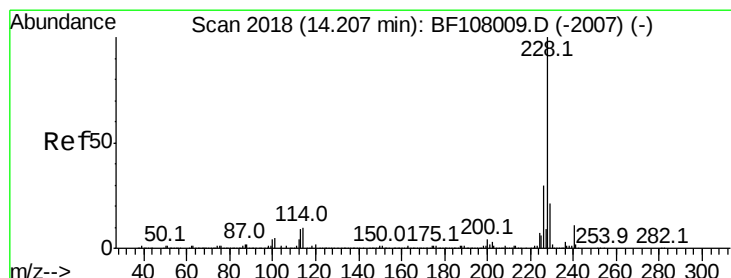
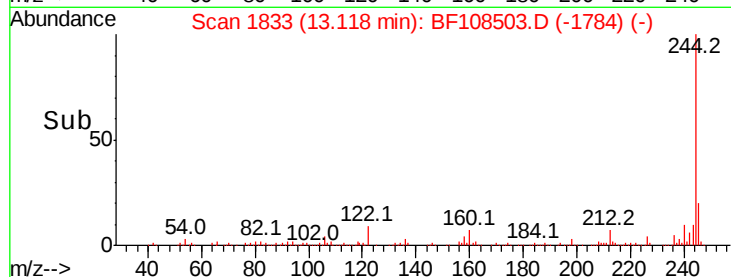
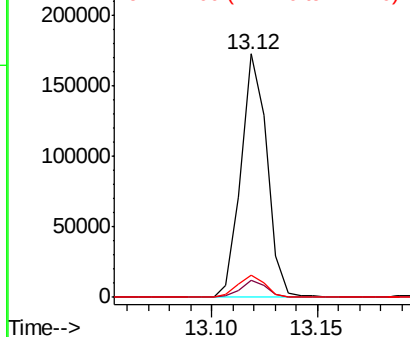
Tot Ion:	244	Resp:	147298
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	9.1	11.0	16.4

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



#80

Benzo(a)anthracene

Concen: 7.757 ng

RT: 14.18 min Scan# 2014

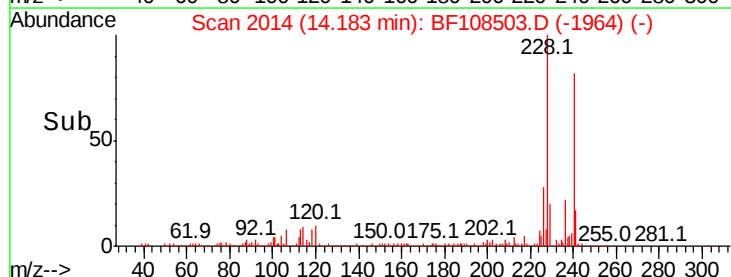
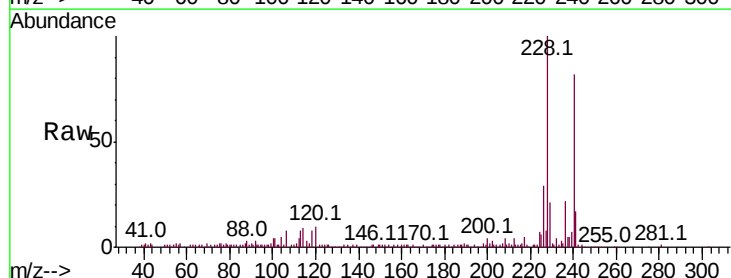
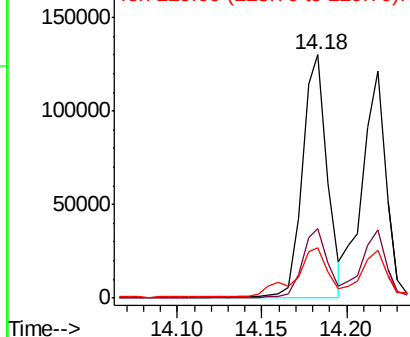
Delta R.T. -0.01 min

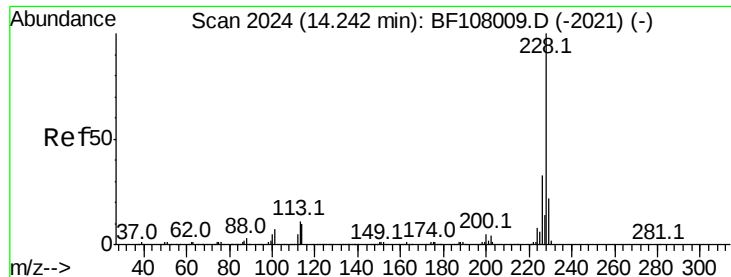
Lab File: BF108503.D

Acq: 27 Aug 2018 12:02

Tgt Ion:	228	Resp:	133218
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.6	33.8
229	20.6	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





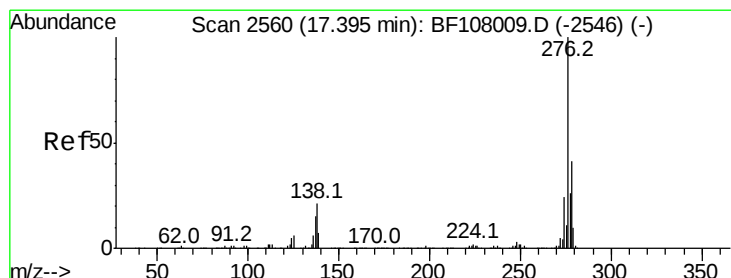
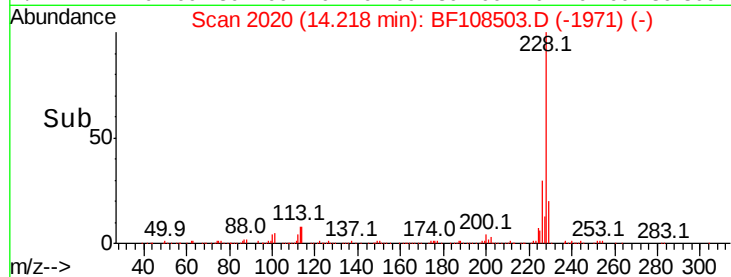
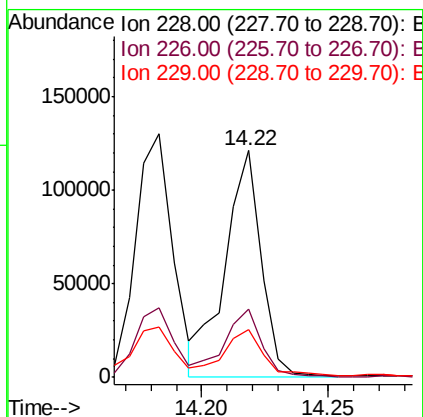
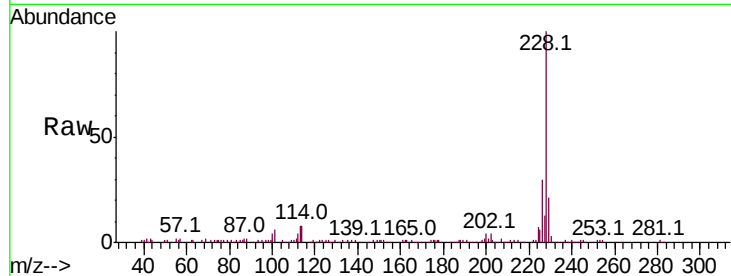
#82
Chrysene
Concen: 7.592 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108503.D
Acq: 27 Aug 2018 12:02

Instrument :
BNA_F
ClientSampleId :
SU-02-082318-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	21.0	16.2	24.4

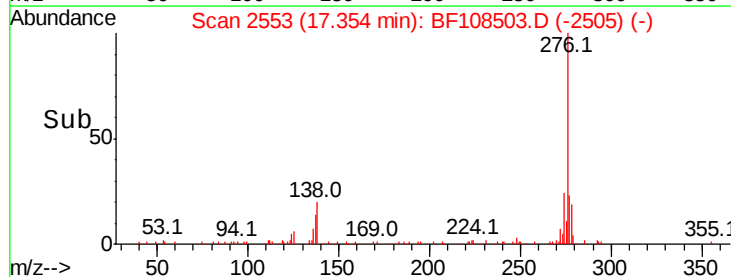
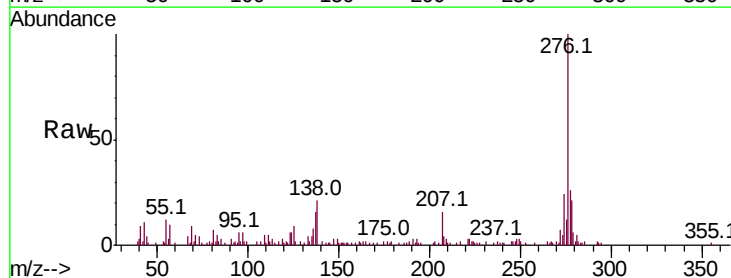
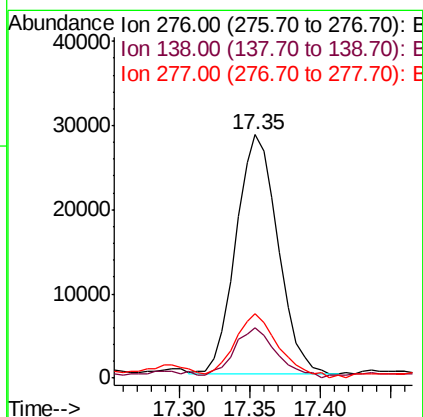
Manual Integrations
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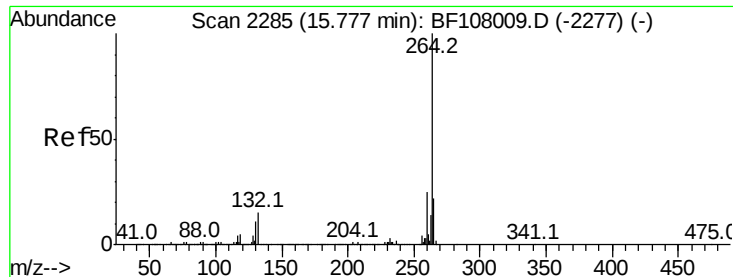
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.304 ng
RT: 17.35 min Scan# 2553
Delta R.T. -0.02 min
Lab File: BF108503.D
Acq: 27 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	28.3	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108503.D

Acq: 27 Aug 2018 12:02

Instrument :

BNA_F

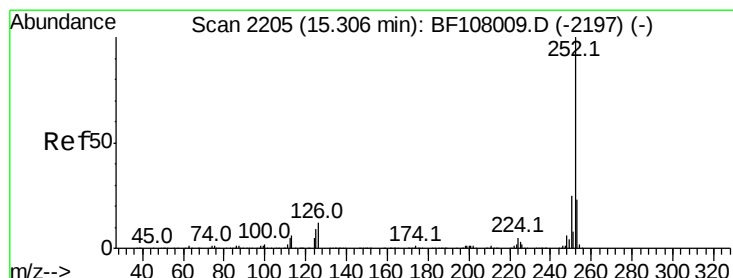
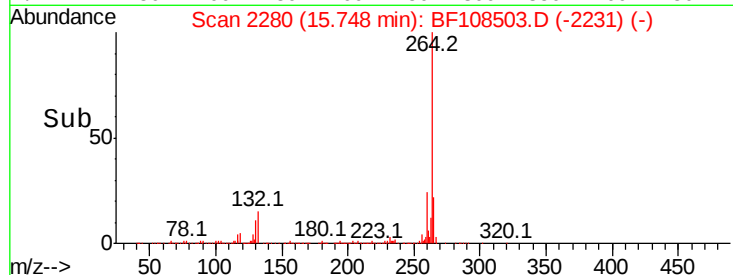
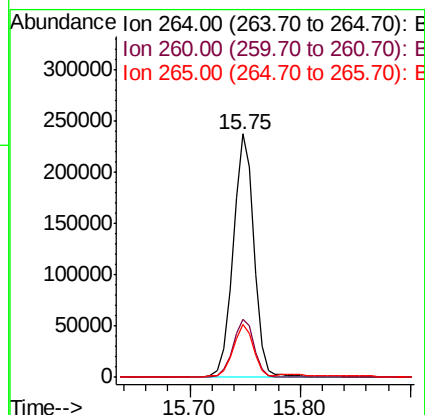
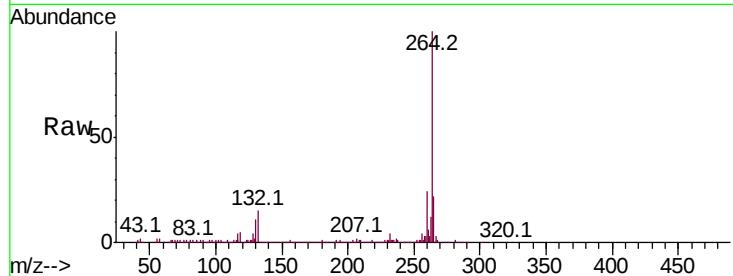
ClientSampleId :

SU-02-082318-A

Tot Ion:	264	Resp:	314531
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.9	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 8.431 ng m

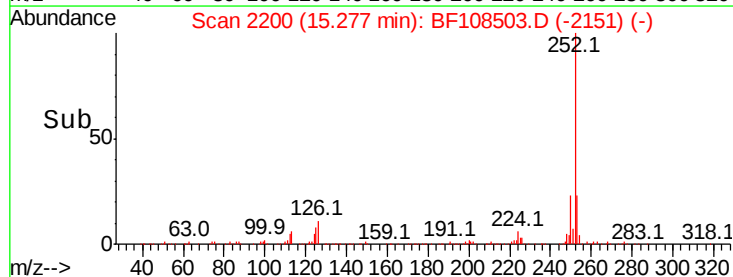
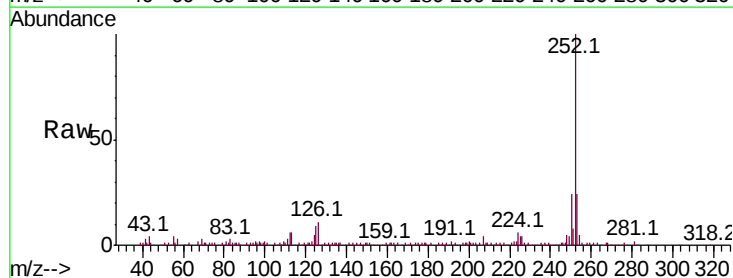
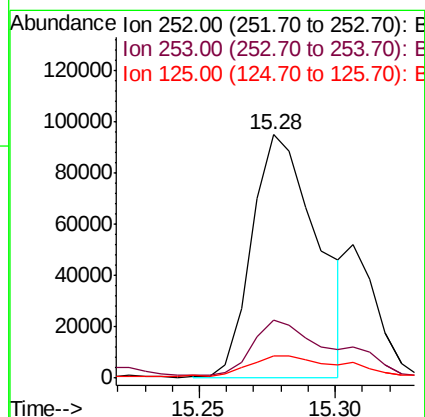
RT: 15.28 min Scan# 2200

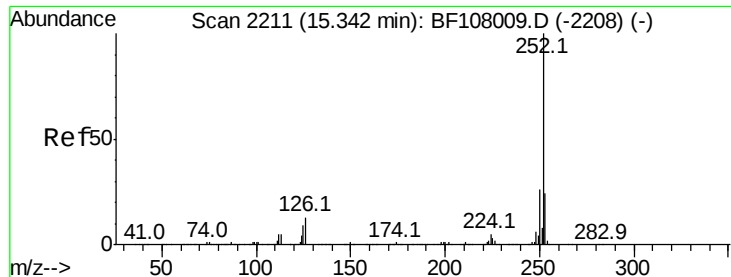
Delta R.T. -0.01 min

Lab File: BF108503.D

Acq: 27 Aug 2018 12:02

Tgt Ion:	252	Resp:	158457
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.0	25.6
125	9.2	9.0	13.6





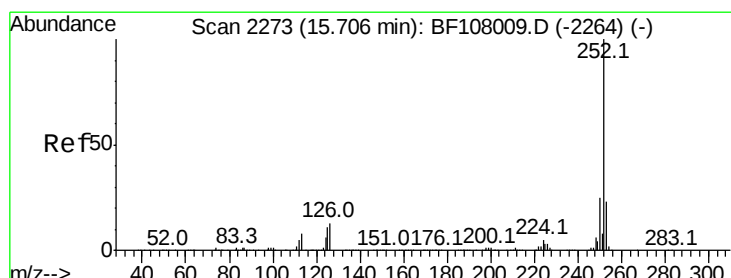
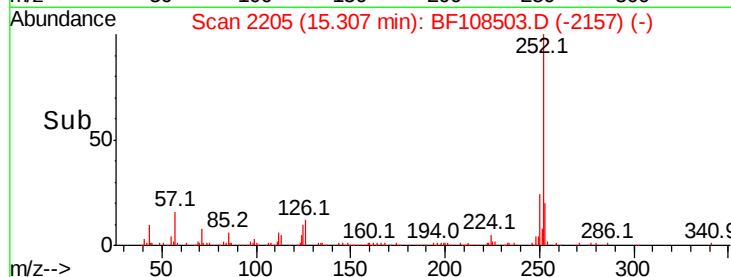
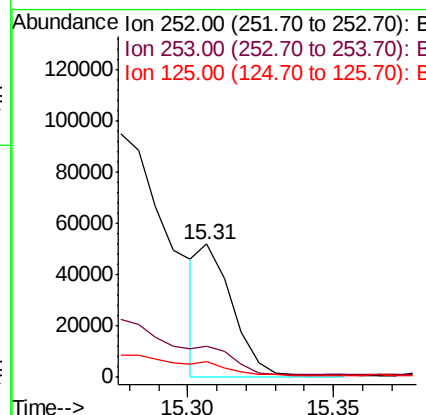
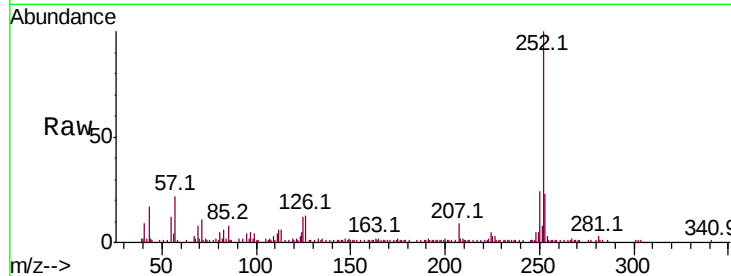
#88
Benzo(k)fluoranthene
Concen: 2.448 ng m
RT: 15.31 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF108503.D
Acq: 27 Aug 2018 12:02

Instrument :
BNA_F
ClientSampleId :
SU-02-082318-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	11.5	10.2	15.2

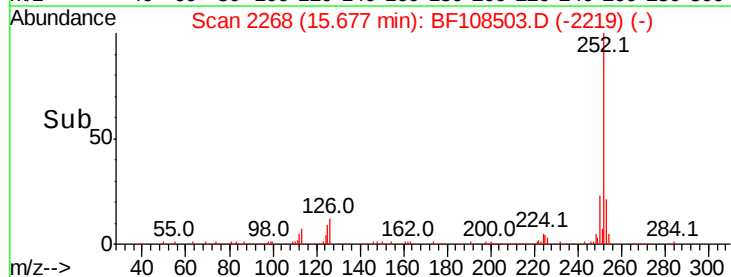
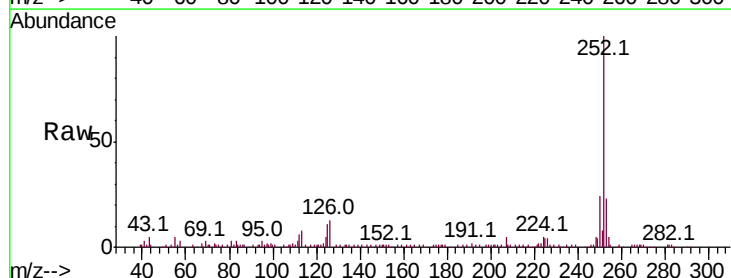
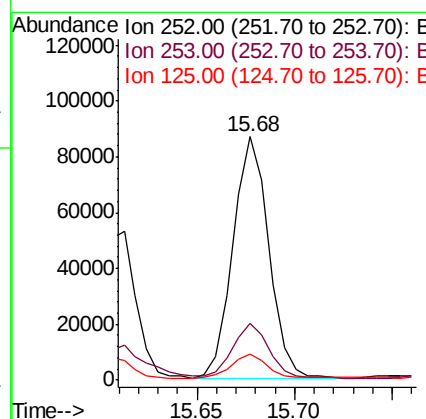
Manual Integrations
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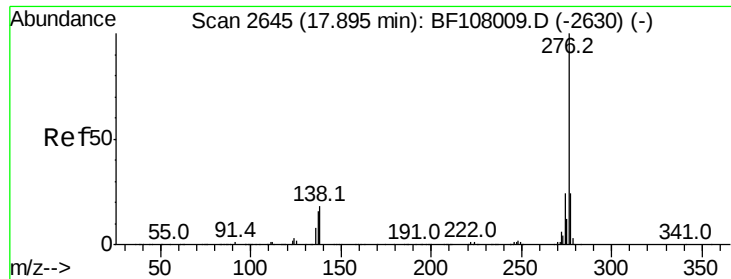
Sohil
8/28/2018 2:53:15 PM



#89
Benzo(a)pyrene
Concen: 6.596 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108503.D
Acq: 27 Aug 2018 12:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	10.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.946 ng
 RT: 17.85 min Scan# 2637
 Delta R.T. -0.02 min
 Lab File: BF108503.D
 Acq: 27 Aug 2018 12:02

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-082318-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	19.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 8/28/2018 2:53:15 PM

