

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103988.D
 Acq On : 27 Mar 2018 23:25
 Operator : JU/SJ
 Sample : J2075-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)

Manual Integrations
 APPROVED

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 3/28/2018 4:54:43 PM

Quant Time: Mar 28 06:48:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	143851	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	567168	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	242419	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	371423	20.00	ng	0.00
75) Chrysene-d12	14.16	240	261572	20.00	ng	0.00
86) Perylene-d12	15.71	264	225902	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1170655	123.78	ng	0.02
7) Phenol-d6	6.61	99	1428865	123.49	ng	0.01
23) Nitrobenzene-d5	7.54	82	825279	101.47	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	281225	134.92	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1459371	96.03	ng	0.00
78) Terphenyl-d14	13.09	244	1181684	104.86	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.62	94	52618	4.280	ng	82
31) Naphthalene	8.27	128	69109	2.412	ng	99
37) 2-Methylnaphthalene	8.96	142	38537	2.121	ng	98
48) Acenaphthylene	9.87	152	193113	7.757	ng	99
49) Dimethylphthalate	9.72	163	125025	6.760	ng	100
51) Acenaphthene	10.05	154	35751	2.418	ng	95
57) Fluorene	10.56	166	147028	8.974	ng	99
70) Phenanthrene	11.53	178	738455	36.345	ng	98
71) Anthracene	11.58	178	237540	11.511	ng	98
74) Fluoranthene	12.73	202	679328	32.454	ng	99
77) Pyrene	12.96	202	780172	40.614	ng	100
80) Benzo(a)anthracene	14.15	228	375693m	22.690	ng	
82) Chrysene	14.19	228	336093m	21.294	ng	
85) Indeno(1,2,3-cd)pyrene	17.29	276	102062	7.405	ng	94
87) Benzo(b)fluoranthene	15.24	252	276113m	19.347	ng	
88) Benzo(k)fluoranthene	15.27	252	101793m	7.420	ng	
89) Benzo(a)pyrene	15.64	252	249766	19.295	ng	96
90) Dibenzo(a,h)anthracene	17.30	278	34110m	3.043	ng	
91) Benzo(a,h,i)perylene	17.77	276	103199	9.464	ng	94

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

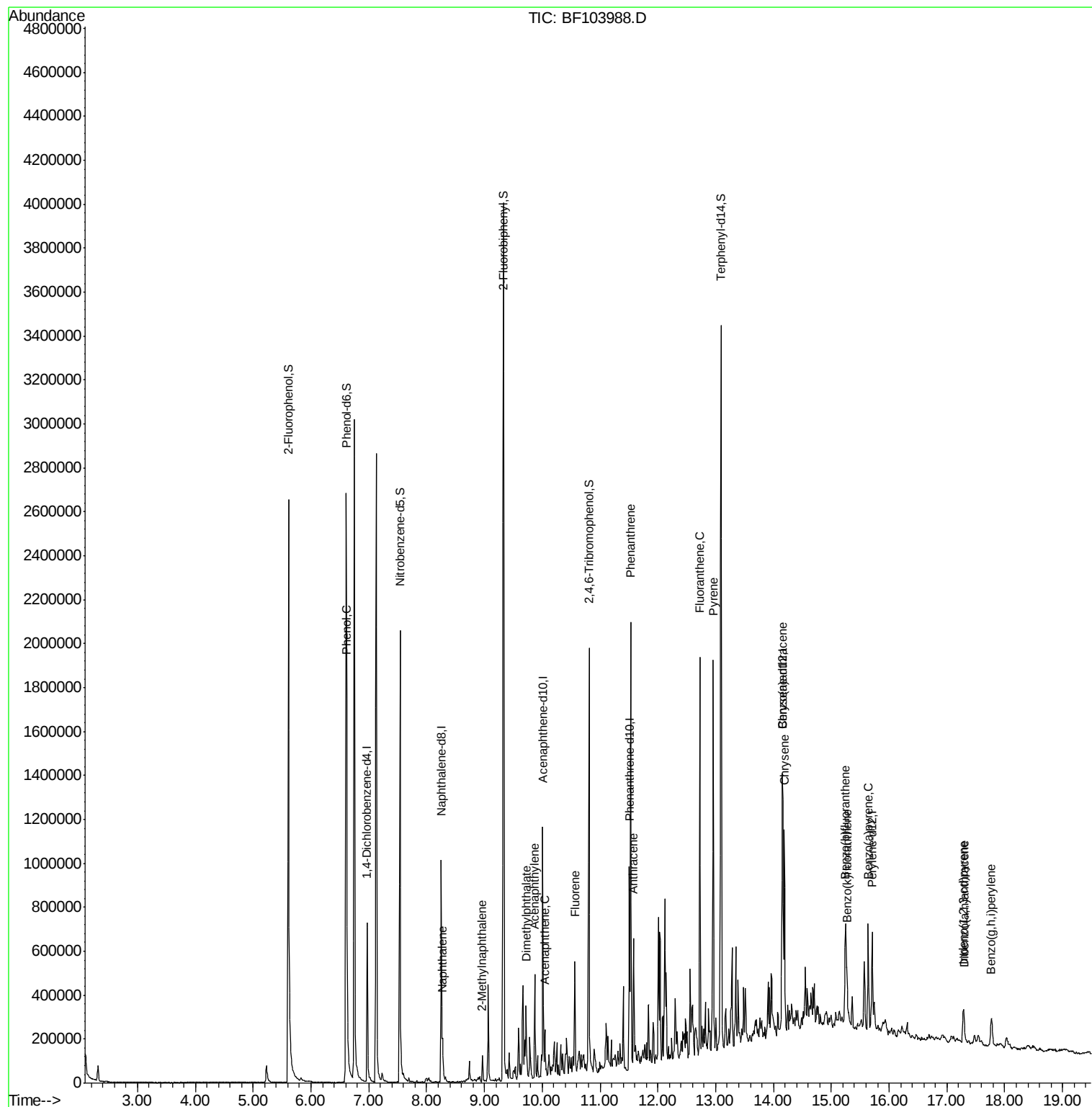
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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ALS Vial : 20 Sample Multiplier: 1

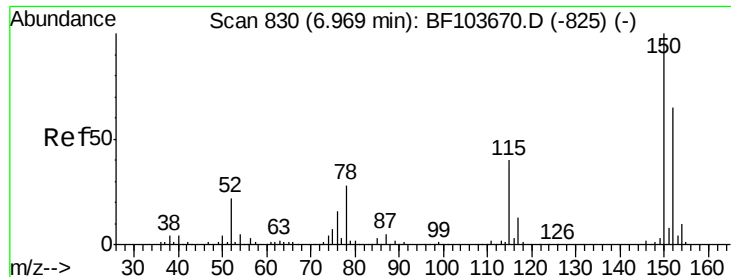
Instrument :
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SB-107(4-5)

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#1

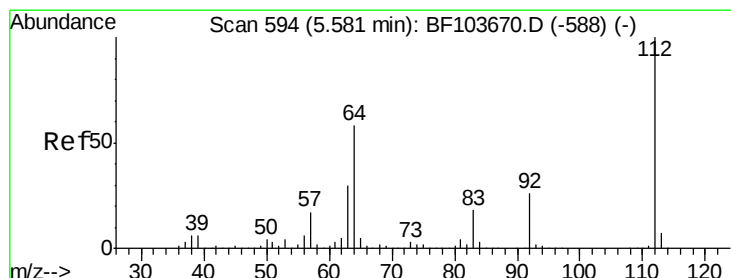
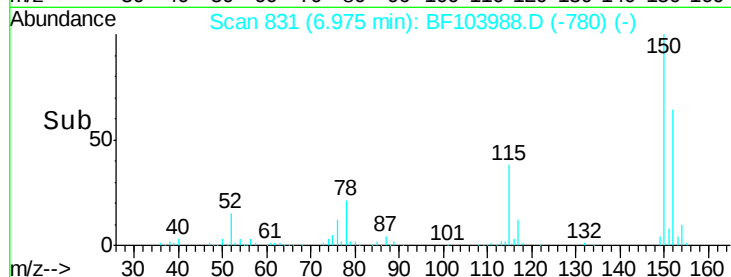
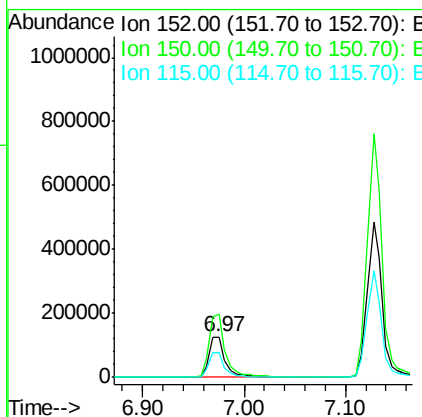
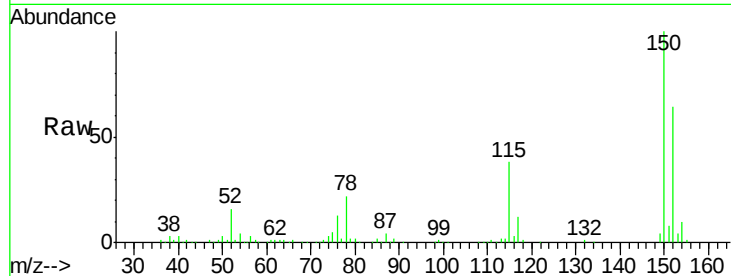
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	60.0	50.1	75.1

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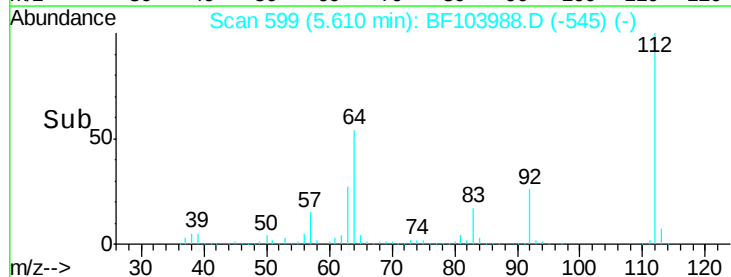
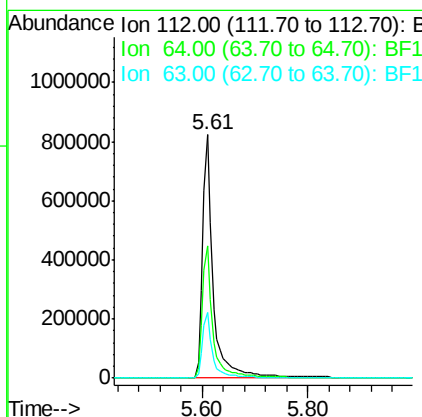
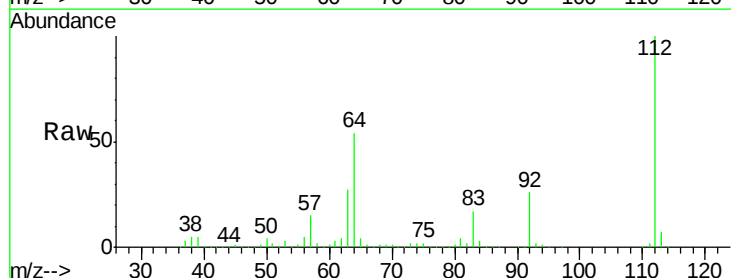
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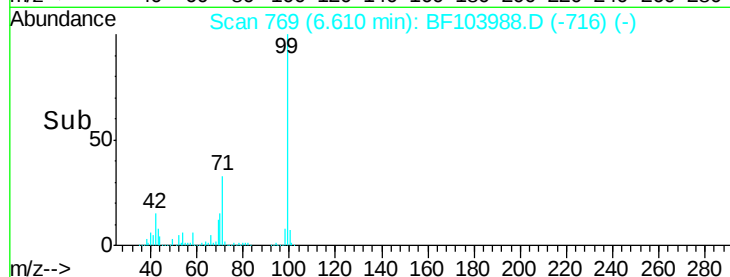
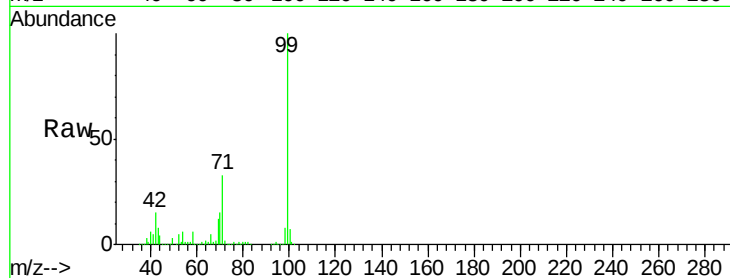
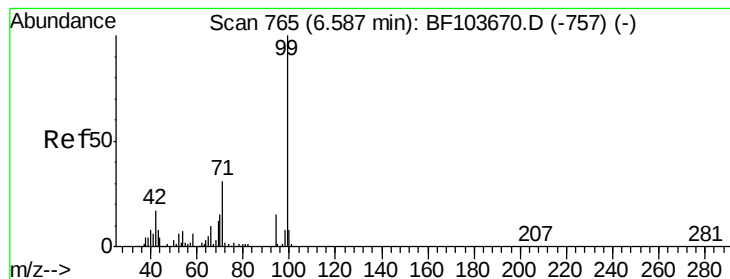


#5

2-Fluorophenol
Concen: 123.778 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	27.0	23.7	35.5





#7

Phenol-d6

Concen: 123.489 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Tot Ion: 99 Resp: 1428865

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 33.0 25.4 38.0

Instrument :

BNA_F

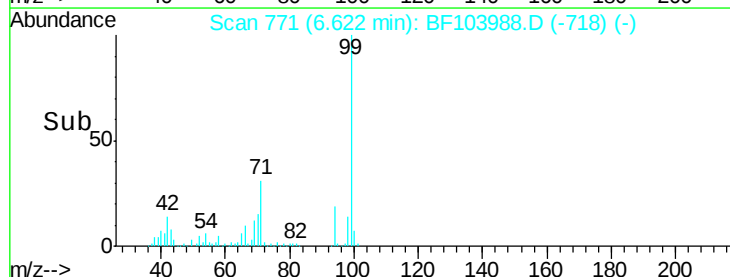
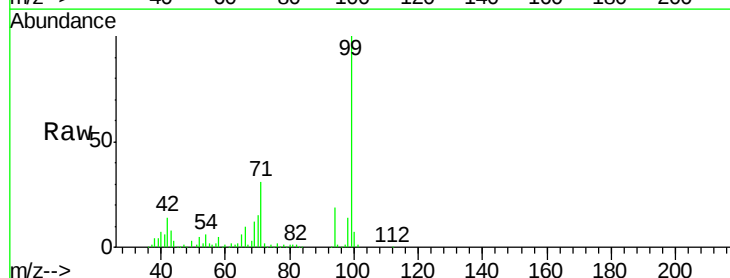
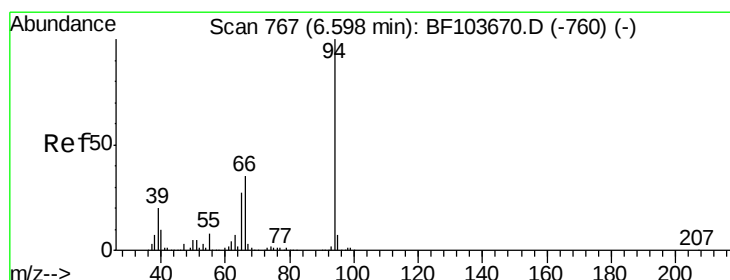
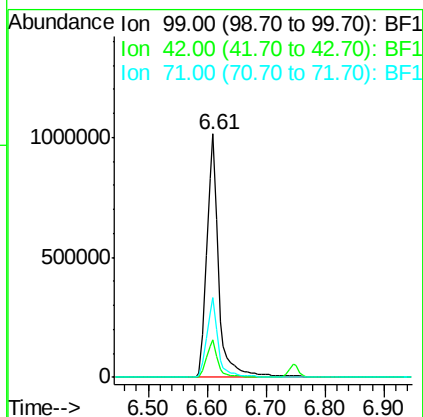
ClientSampled :

SB-107(4-5)

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#10

Phenol

Concen: 4.280 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

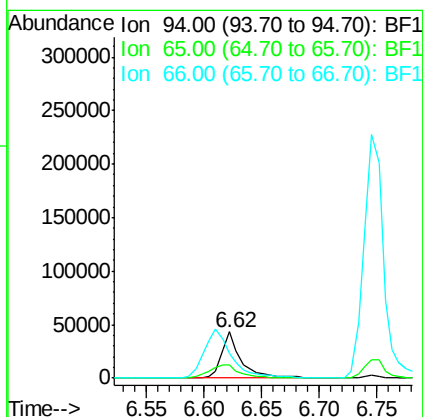
Tgt Ion: 94 Resp: 52618

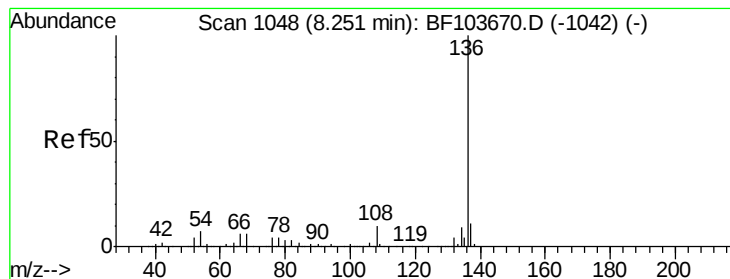
Ion Ratio Lower Upper

94 100

65 29.6 7.9 47.9

66 53.4 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

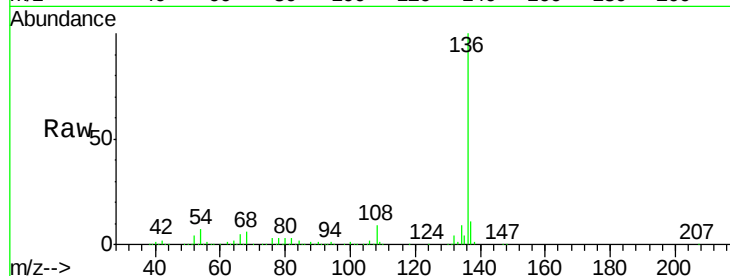
ClientSampled :

SB-107(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	6.8	6.6	9.8	
68	6.3	5.0	7.4	

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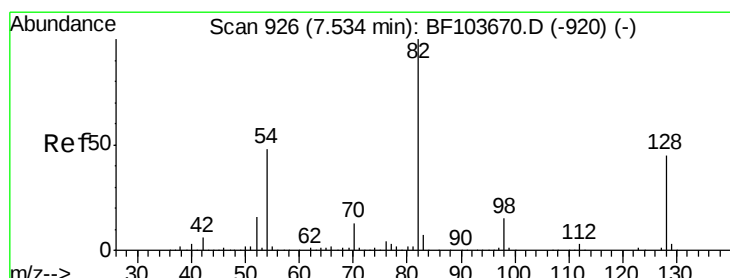
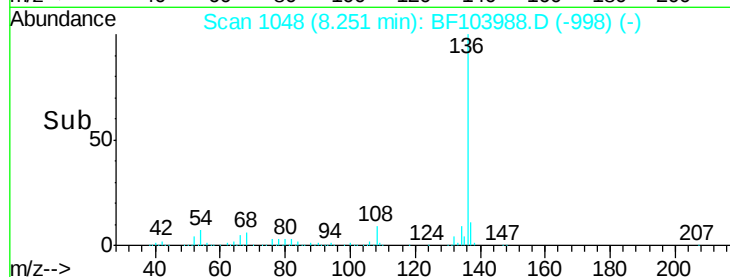
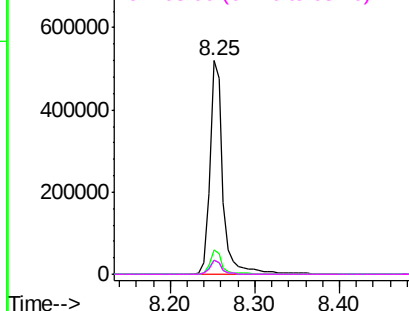
Abundance Ion 136.00 (135.70 to 136.70): E

800000

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: 101.472 ng

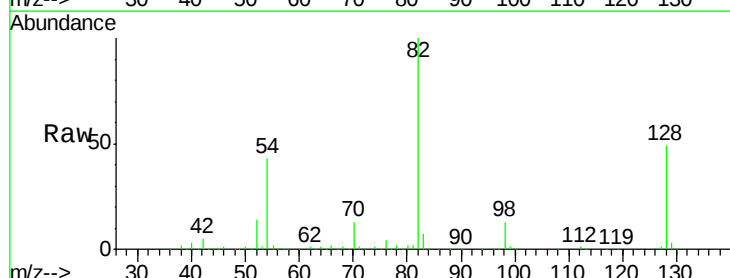
RT: 7.54 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.5	36.1	54.1	
54	43.3	41.4	62.2	

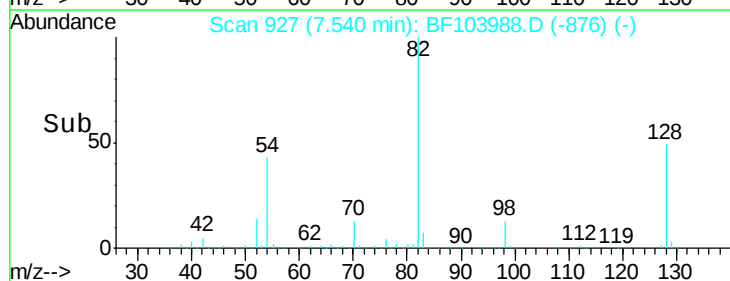
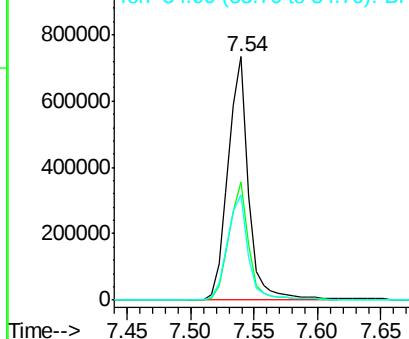


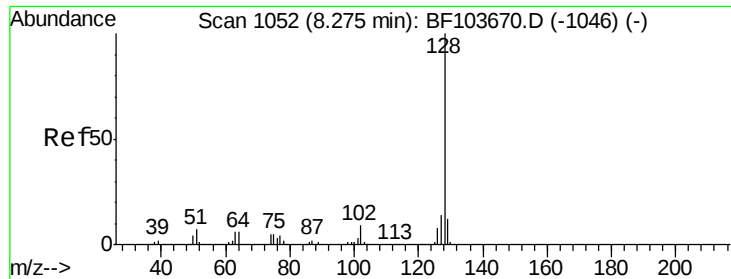
Abundance Ion 82.00 (81.70 to 82.70): BF1

1000000

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





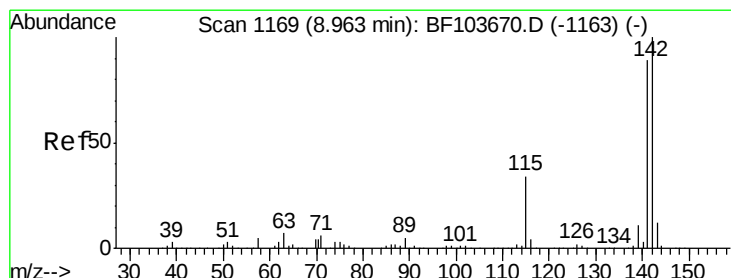
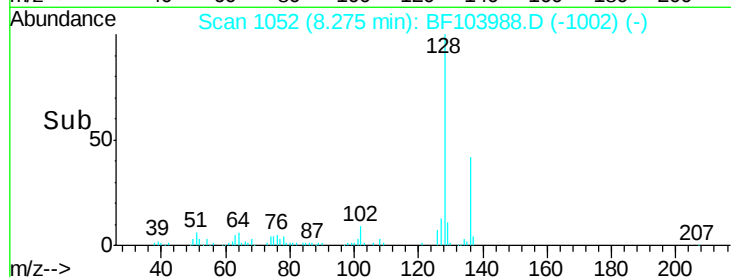
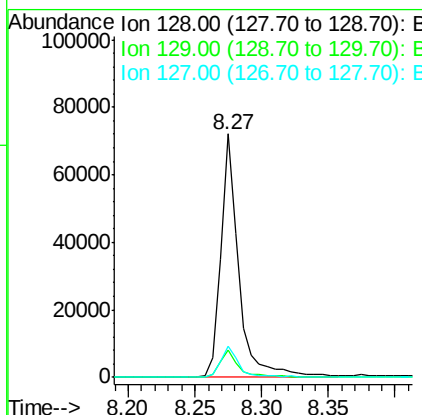
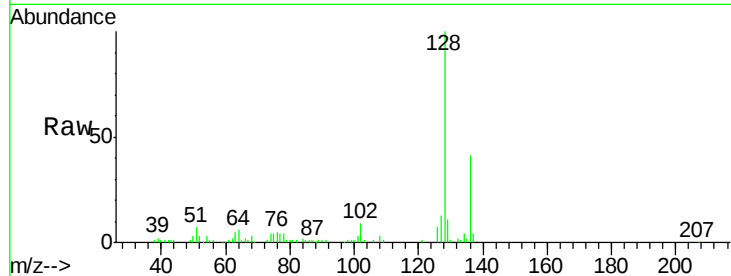
#31
Naphthalene
Concen: 2.412 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.7	10.9	16.3

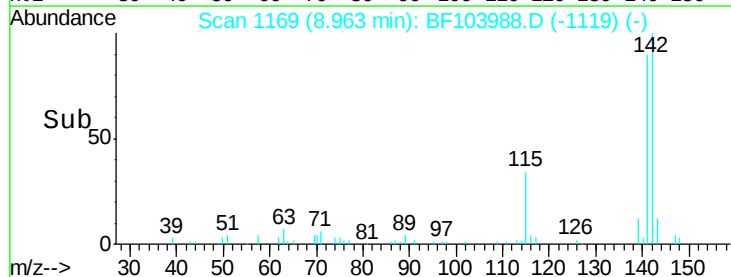
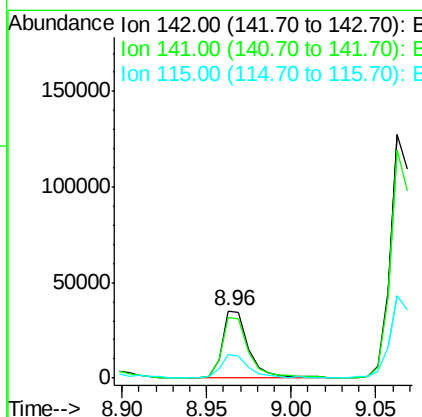
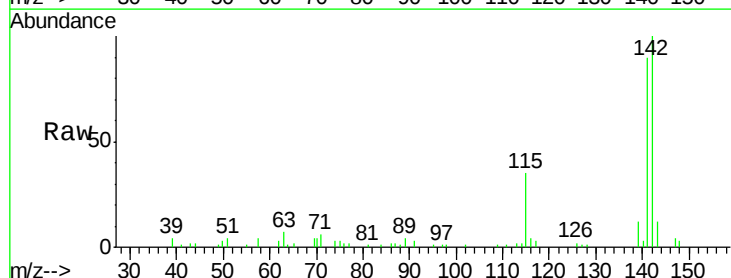
Manual Integrations
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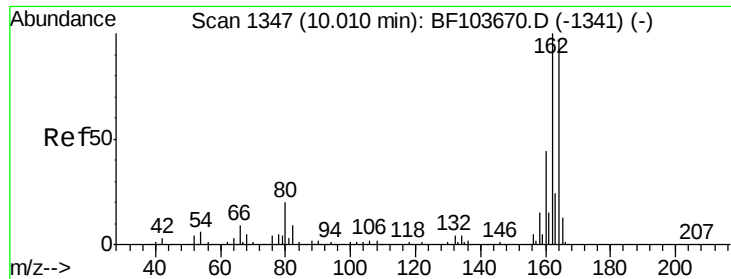
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#37
2-Methylnaphthalene
Concen: 2.121 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.8	106.2
115	34.8	26.1	39.1





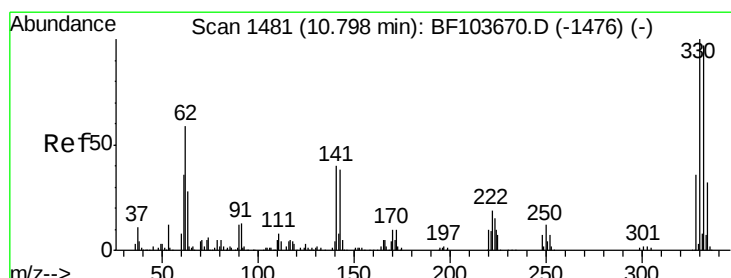
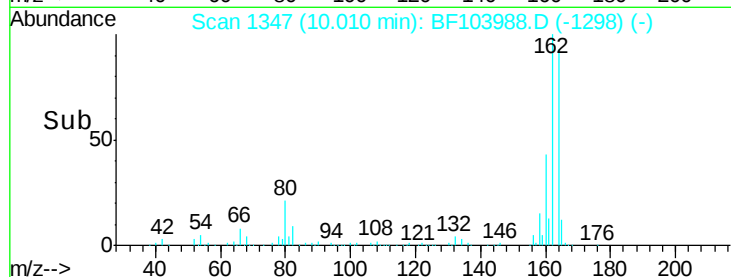
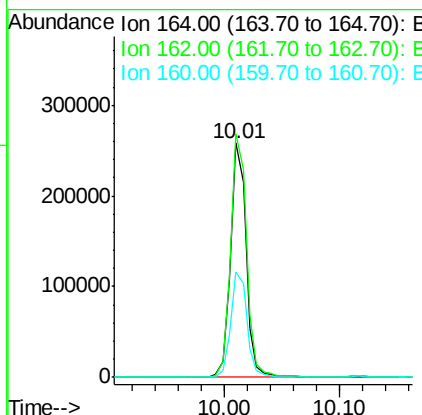
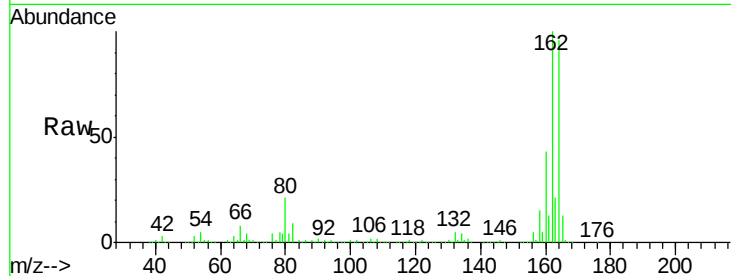
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	242419		
162	104.0	86.1	129.1	
160	44.9	38.3	57.5	

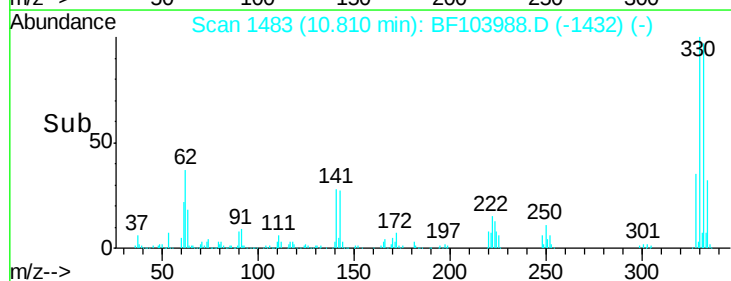
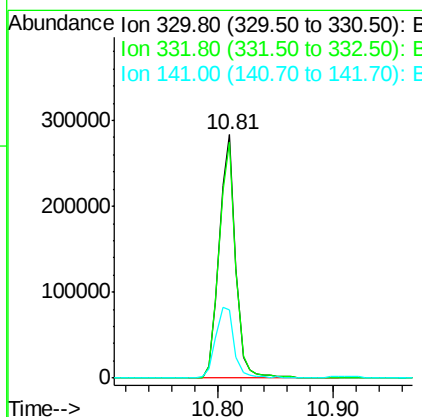
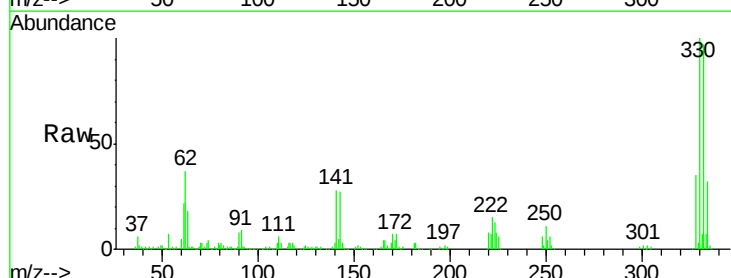
Manual Integrations
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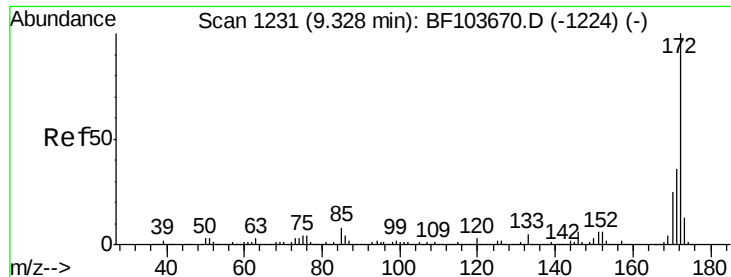
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#41
2,4,6-Tribromophenol
Concen: 134.923 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	281225		
332	98.3	77.0	115.6	
141	32.2	29.9	44.9	





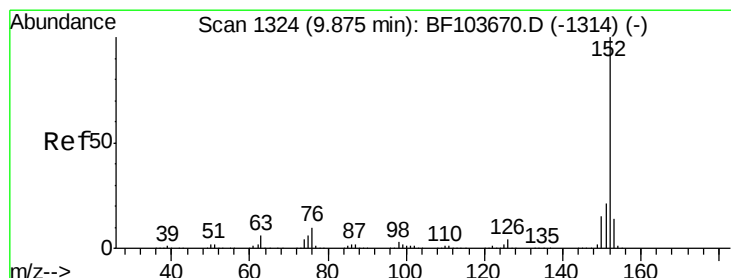
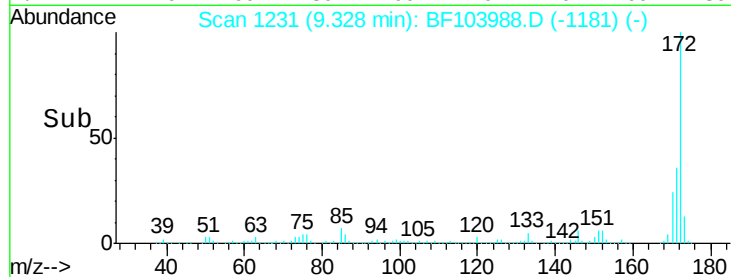
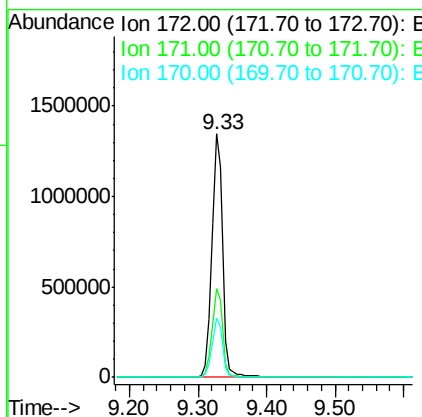
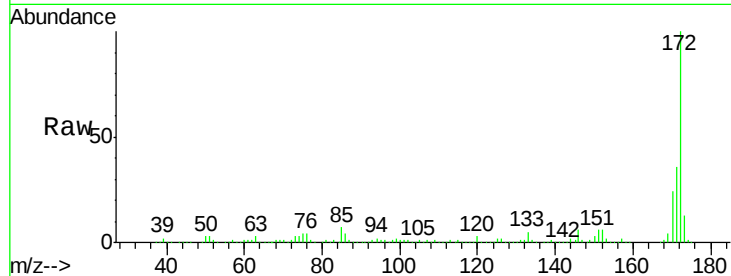
#44
 2-Fluorobiphenyl
 Concen: 96.029 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	19.6	29.4

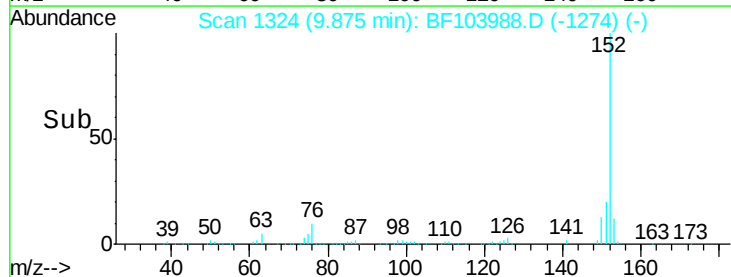
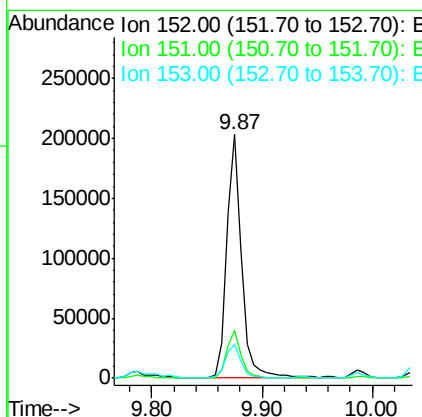
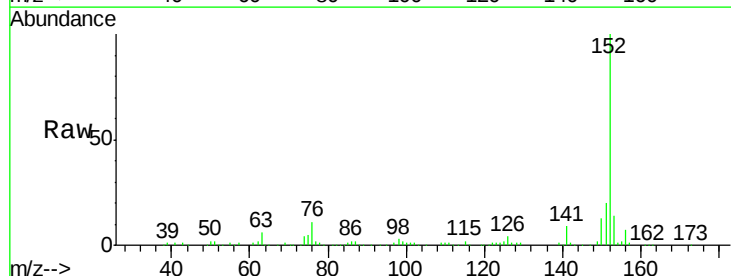
Manual Integrations
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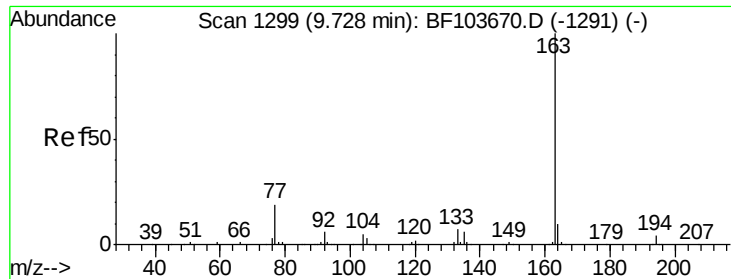
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#48
 Acenaphthylene
 Concen: 7.757 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	13.7	10.7	16.1





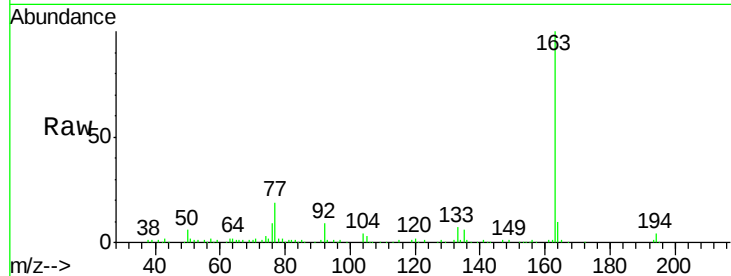
#49
Dimethylphthalate
Concen: 6.760 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampled :
SB-107(4-5)

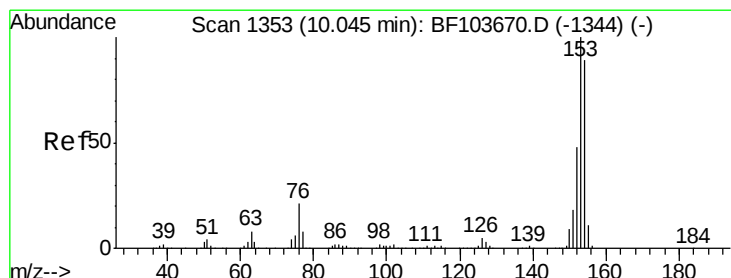
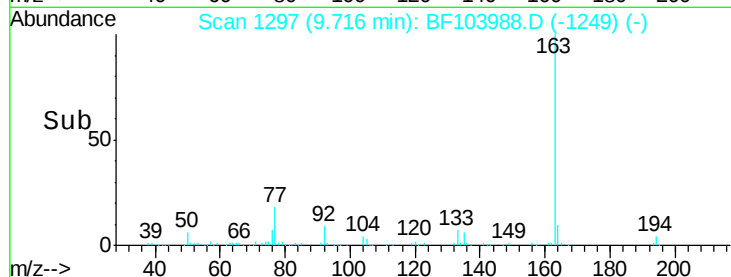
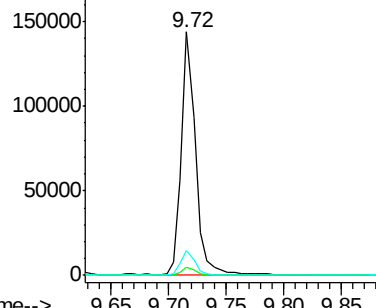
Tot Ion:	163	Resp:	125025
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	10.4	8.2	12.2

Manual Integrations
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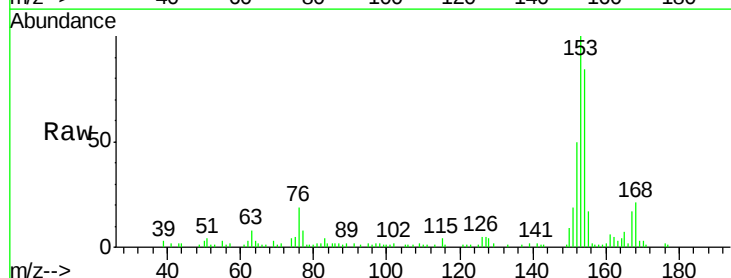


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

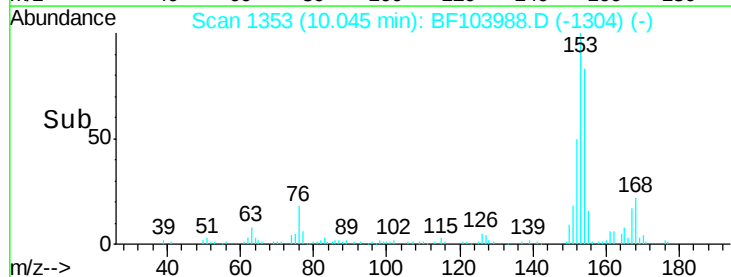
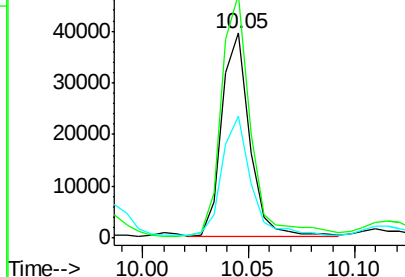


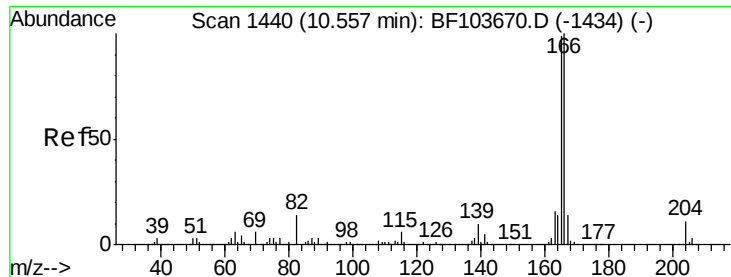
#51
Acenaphthene
Concen: 2.418 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion:	154	Resp:	35751
Ion Ratio	Lower	Upper	
154	100		
153	118.8	91.2	136.8
152	59.7	43.8	65.8



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





#57

Fluorene

Concen: 8.974 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

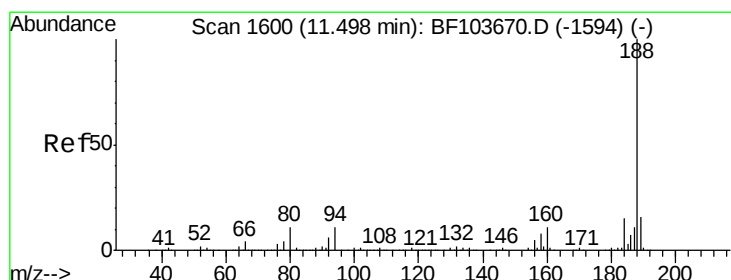
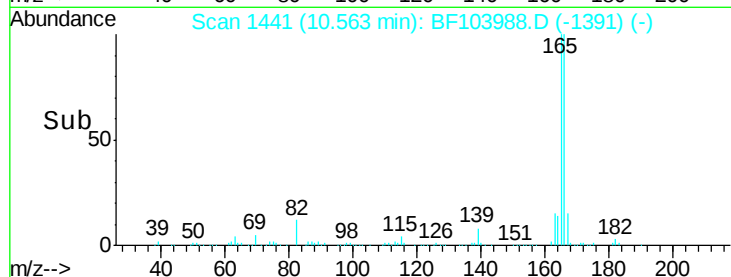
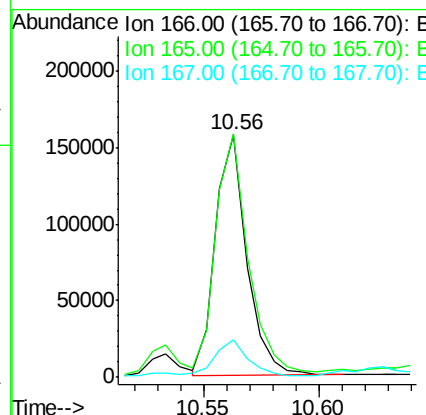
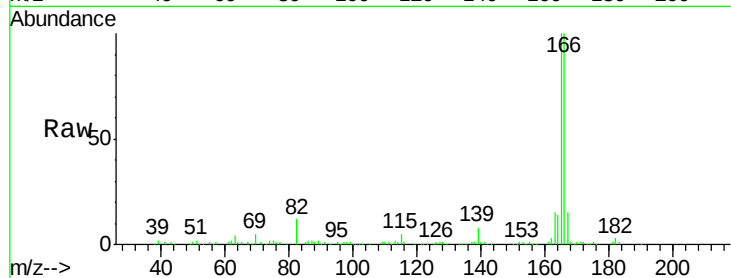
ClientSampleId :

SB-107(4-5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	15.2	10.6	16.0

Manual Integrations
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3/28/2018 4:54:43 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

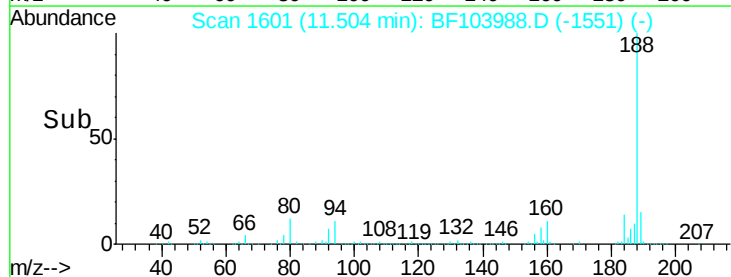
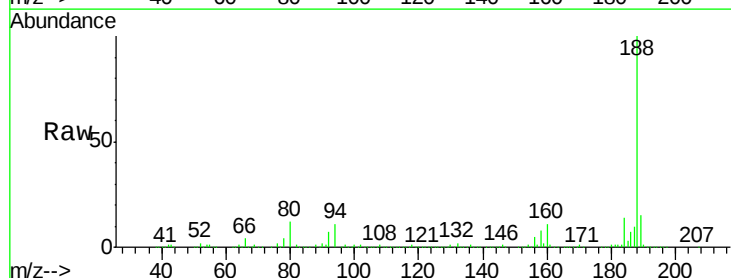
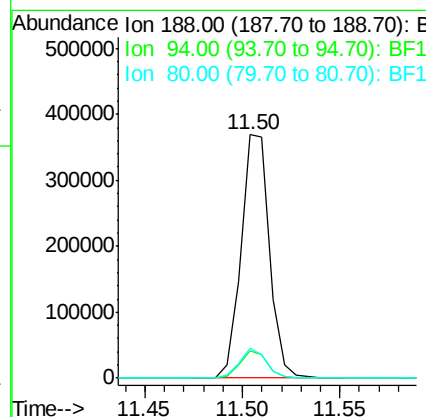
RT: 11.50 min Scan# 1601

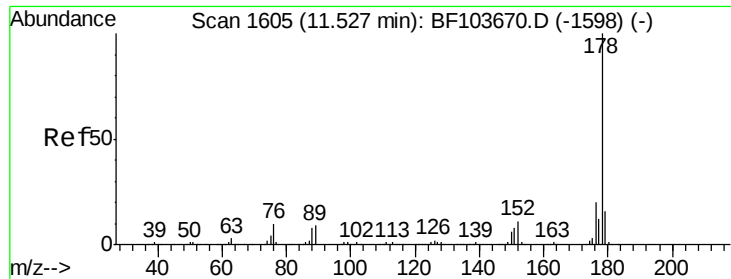
Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	12.3	9.2	13.8





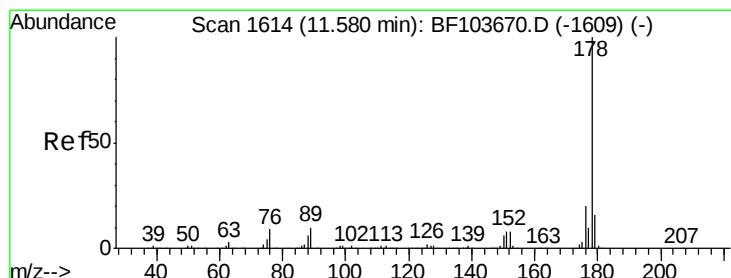
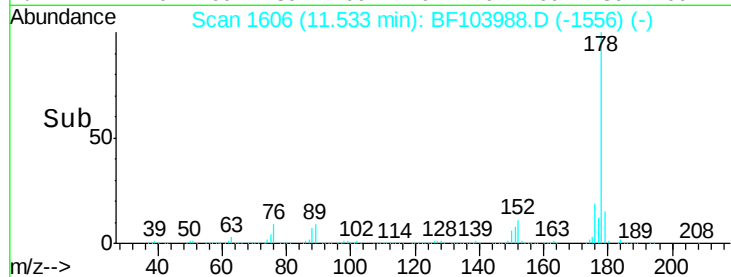
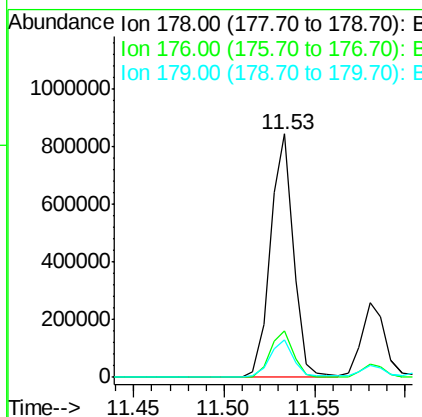
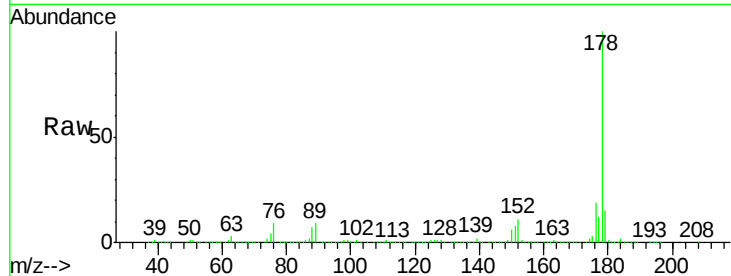
#70
Phenanthrene
Concen: 36.345 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.5	13.0	19.6

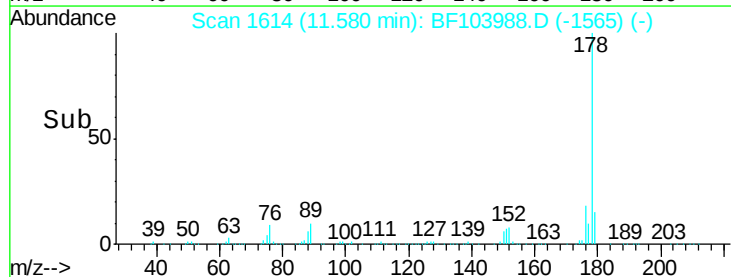
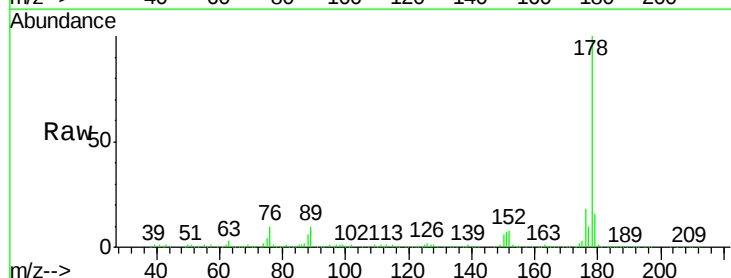
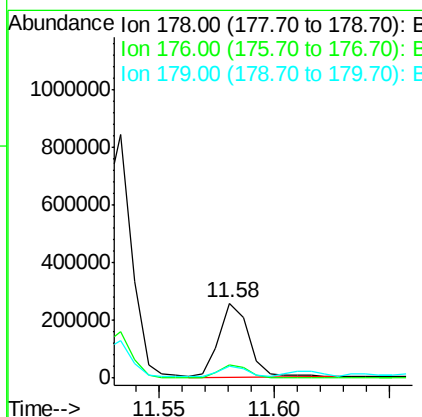
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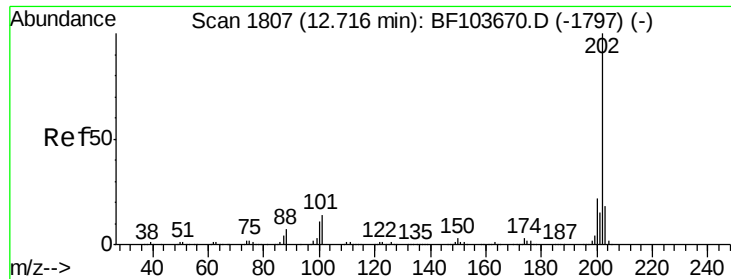
Sohil
3/28/2018 4:54:43 PM



#71
Anthracene
Concen: 11.511 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.6	12.6	19.0





#74

Fluoranthene

Concen: 32.454 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

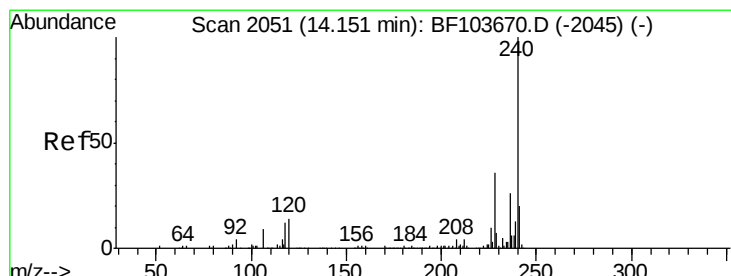
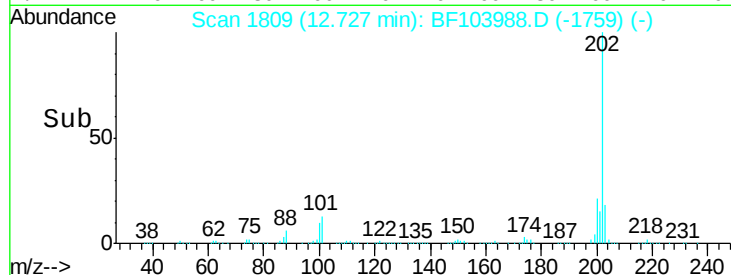
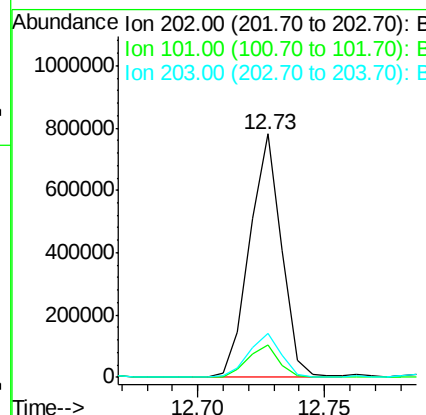
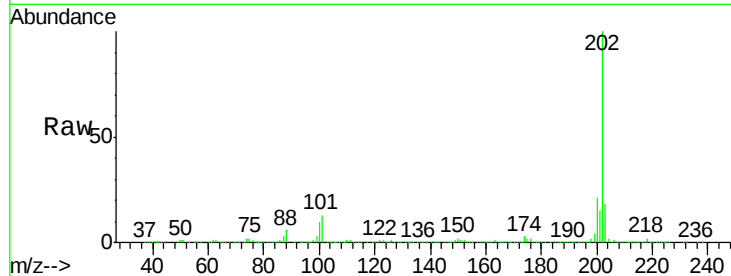
ClientSampled :

SB-107(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	679328		
101	13.5	0.0	34.1	
203	18.1	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

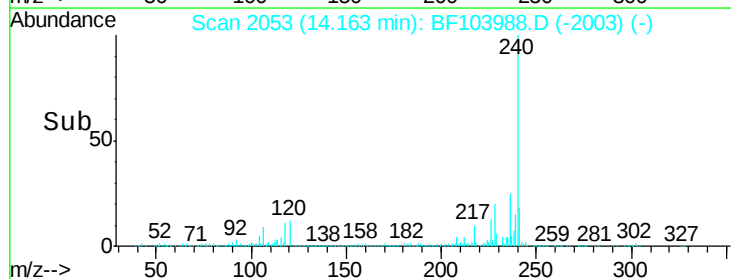
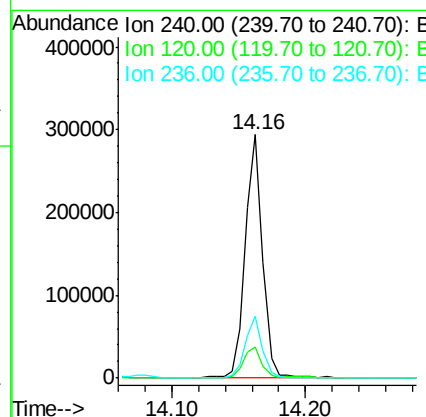
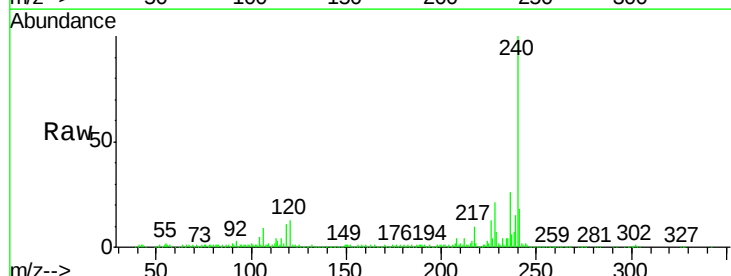
RT: 14.16 min Scan# 2053

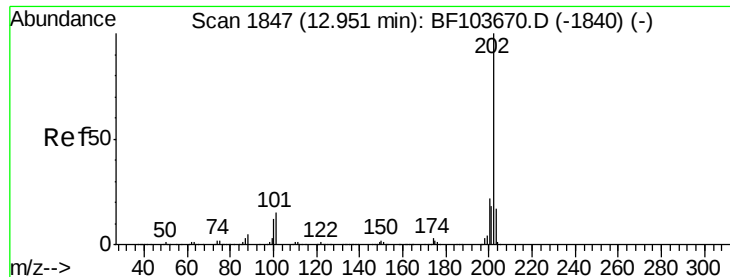
Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	261572		
120	12.6	9.5	14.3	
236	25.5	20.7	31.1	





#77

Pvrene

Concen: 40.614 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

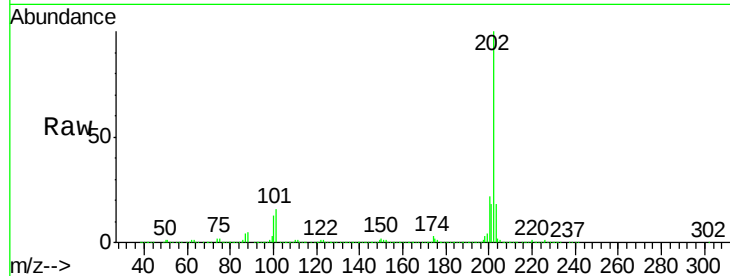
ClientSampleId :

SB-107(4-5)

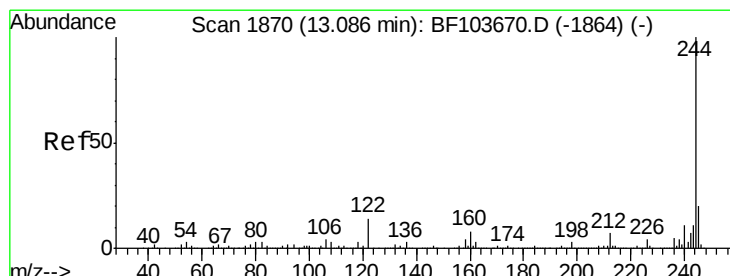
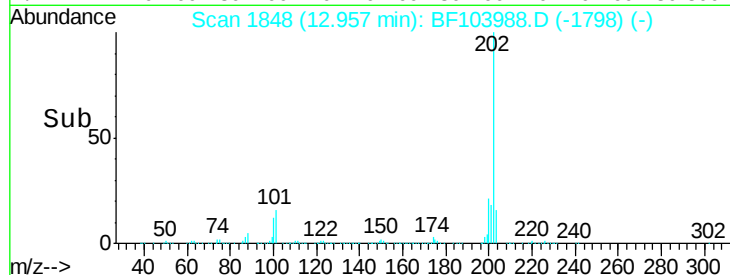
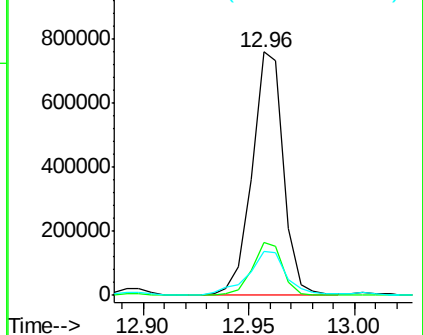
Tot Ion:	202	Resp:	780172
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.9	14.3	21.5

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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: 104.861 ng

RT: 13.09 min Scan# 1871

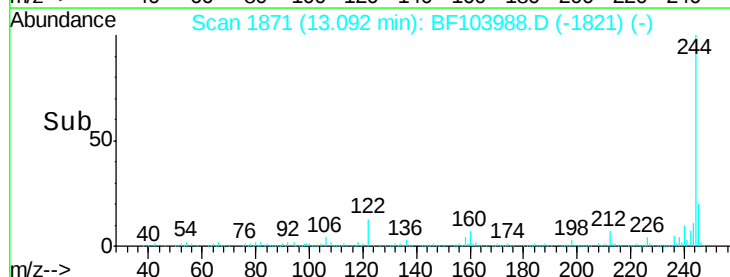
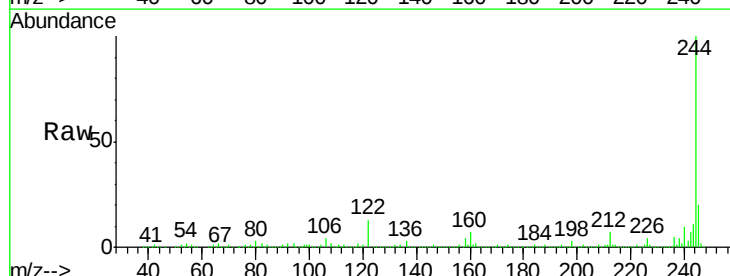
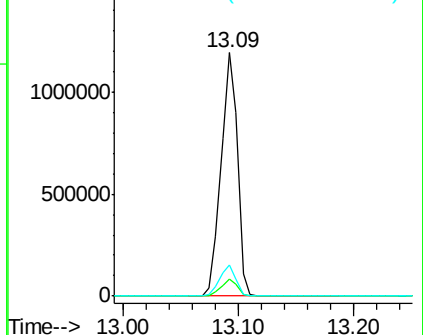
Delta R.T. -0.01 min

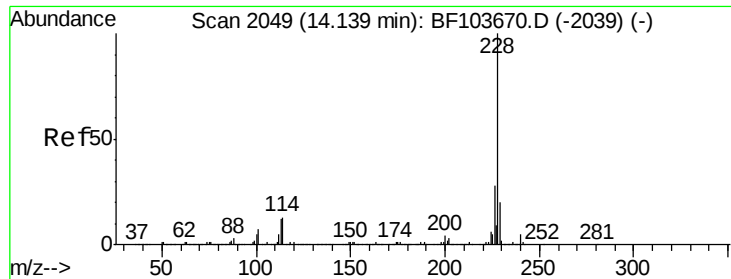
Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Tgt Ion:	244	Resp:	1181684
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.5	11.0	16.4

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





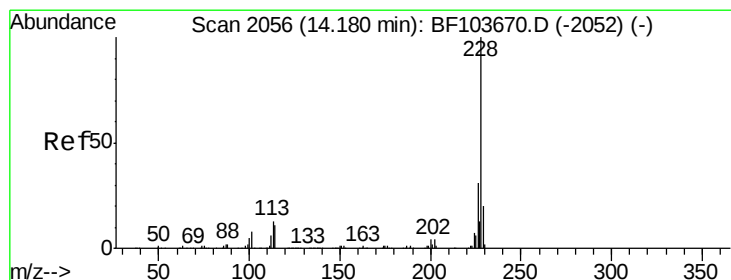
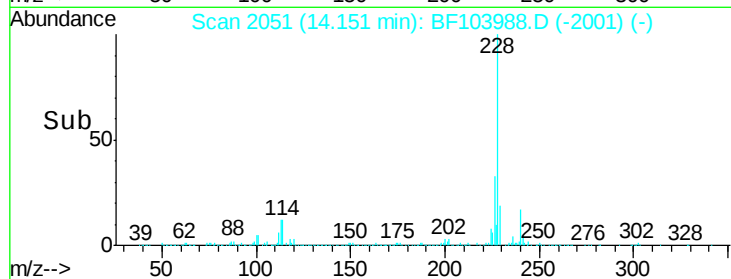
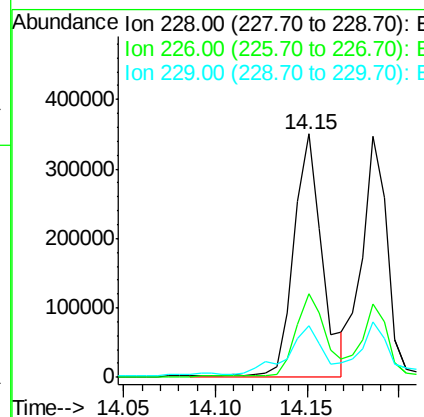
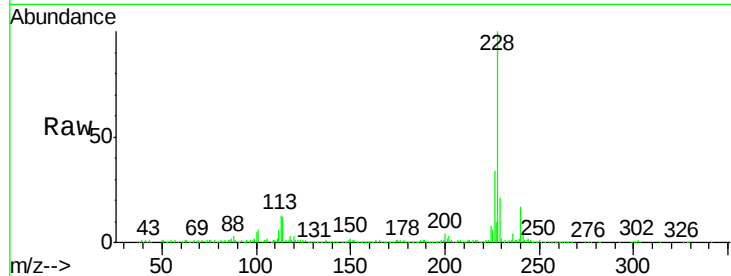
#80
Benzo(a)anthracene
Concen: 22.690 ng m
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.2	22.6	33.8#
229	21.2	15.8	23.6

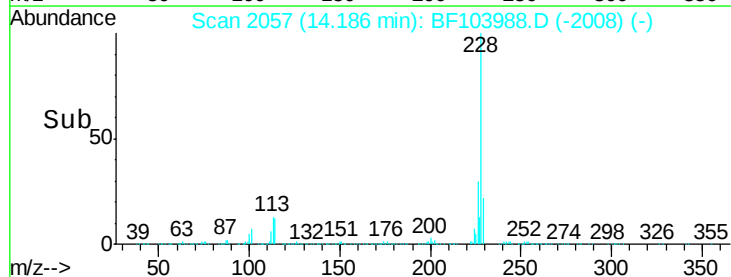
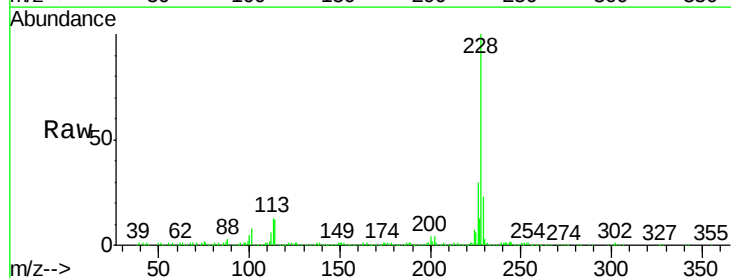
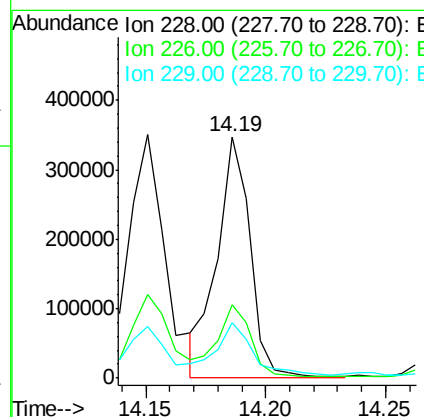
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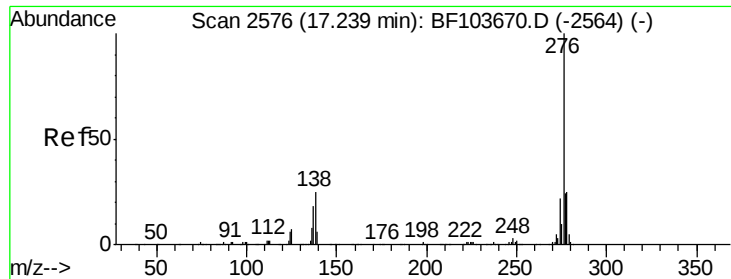
Sohil
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#82
Chrysene
Concen: 21.294 ng m
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.8	16.2	24.4





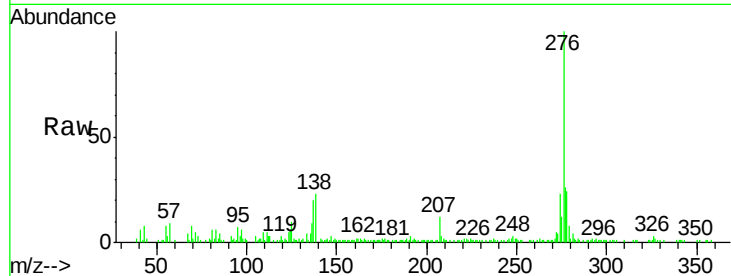
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.405 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)

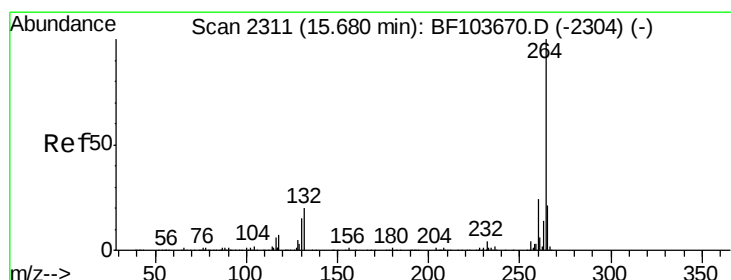
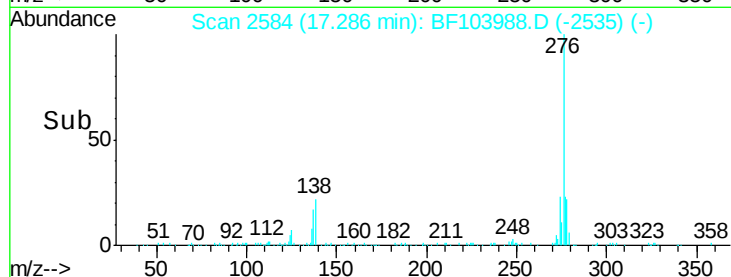
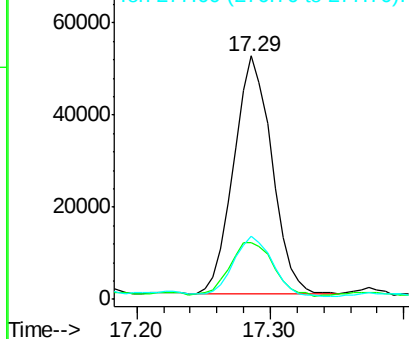
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	25.0	37.6
277	26.0	20.1	30.1

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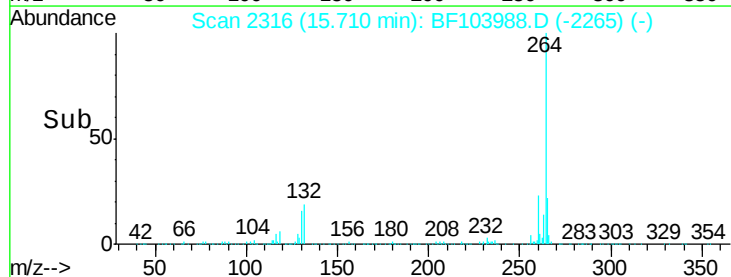
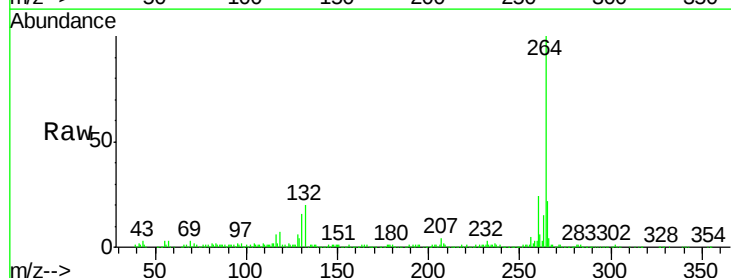
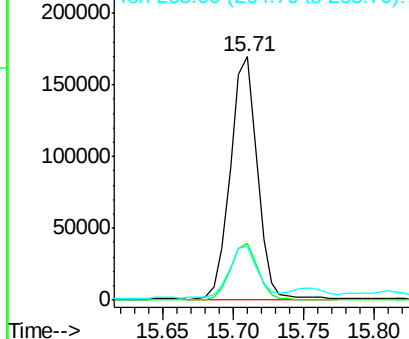
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

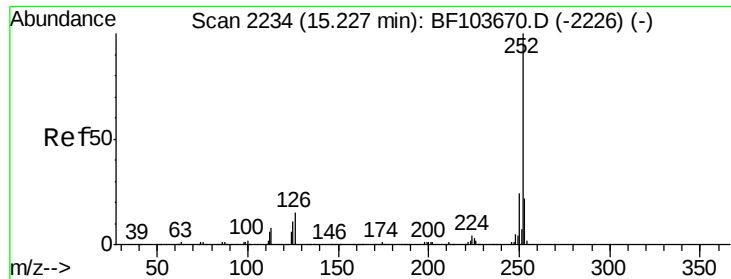


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.4	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





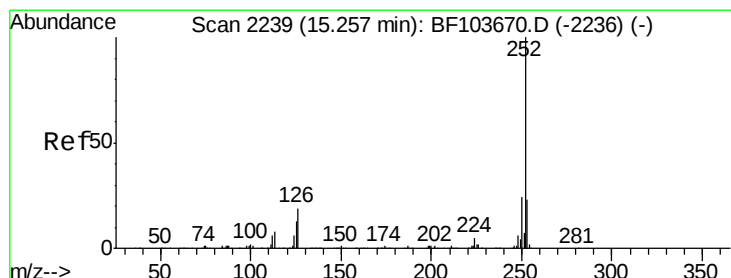
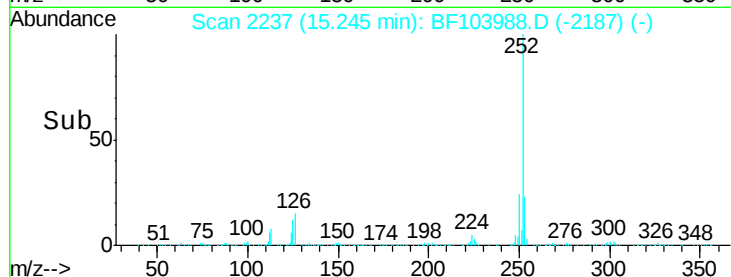
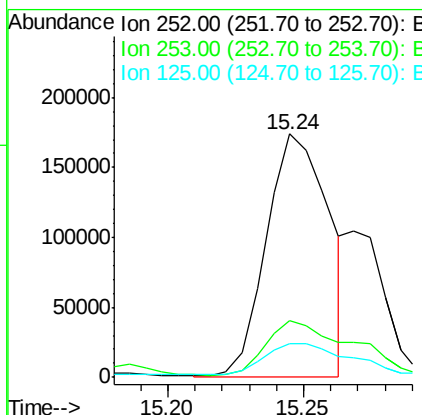
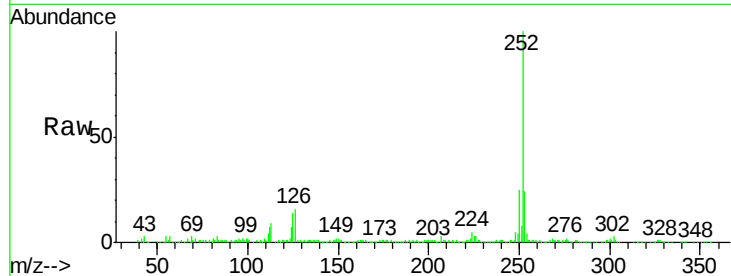
#87
Benzo(b)fluoranthene
Concen: 19.347 ng m
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	276113		
253	23.5		17.0	25.6
125	13.6		9.0	13.6#

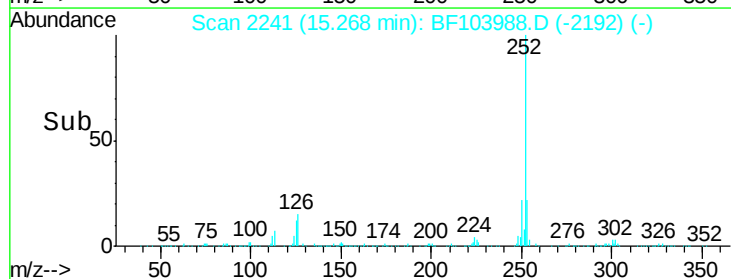
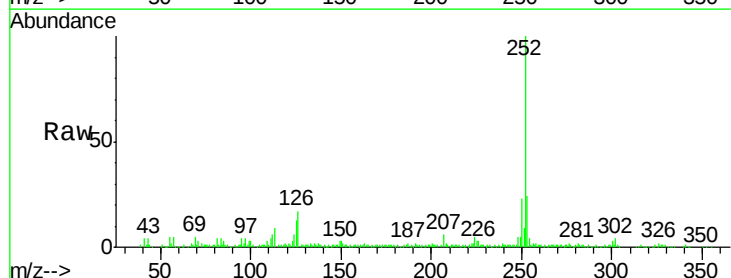
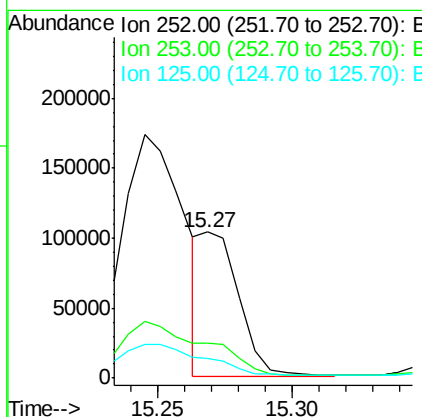
Manual Integrations
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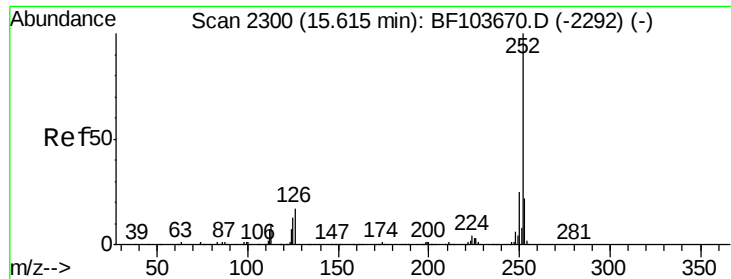
Sohil
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#88
Benzo(k)fluoranthene
Concen: 7.420 ng m
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	101793		
253	23.6		17.9	26.9
125	13.4		10.2	15.2





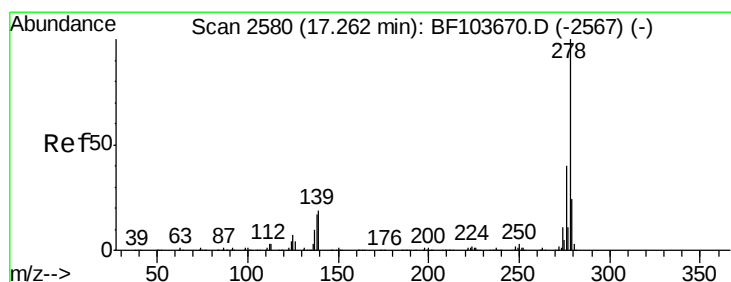
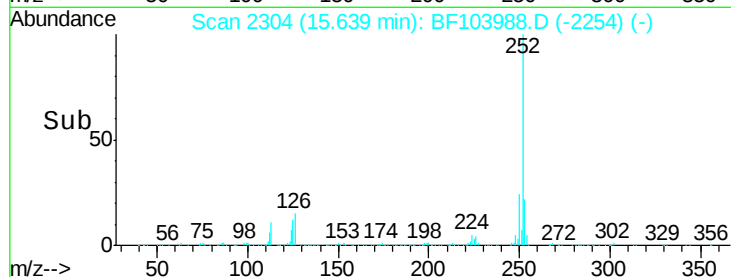
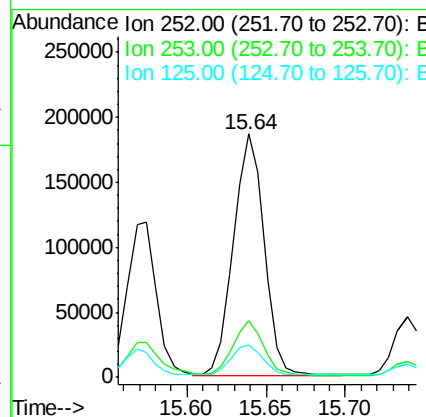
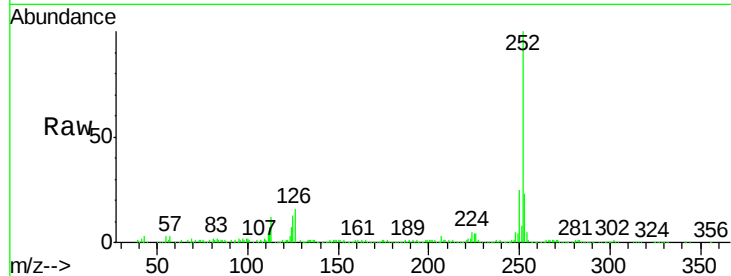
#89
Benzo(a)pyrene
Concen: 19.295 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	13.2	9.8	14.6

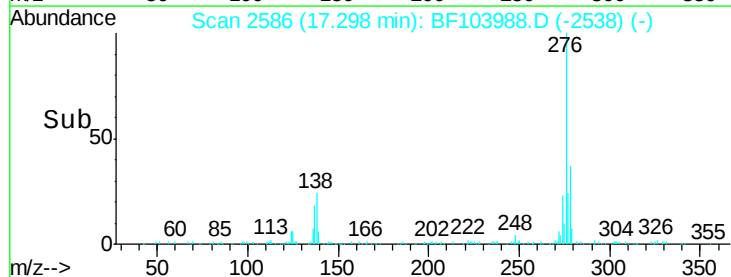
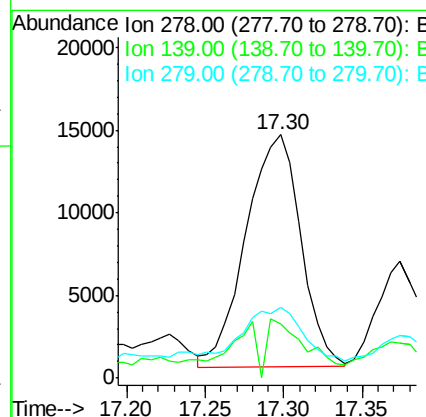
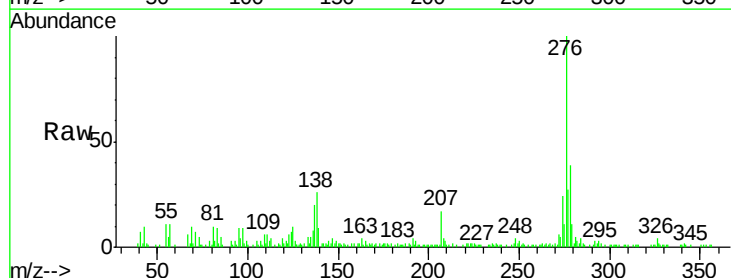
Manual Integrations
APPROVED

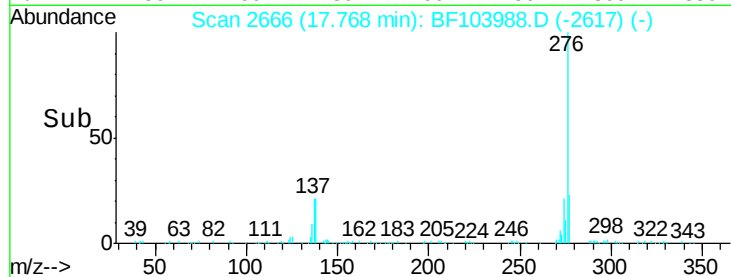
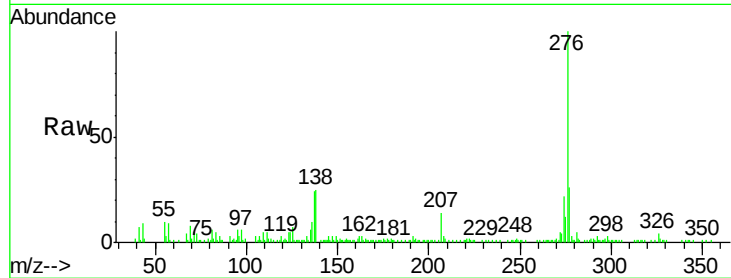
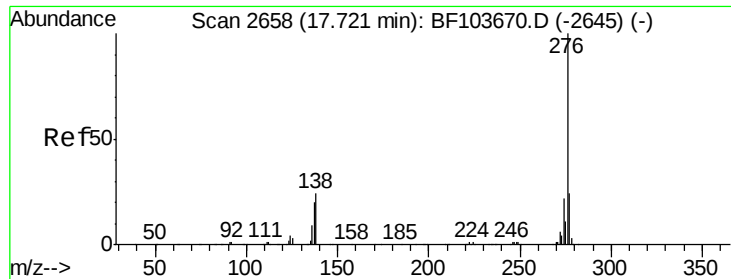
Sohil
3/28/2018 4:54:43 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.043 ng m
RT: 17.30 min Scan# 2586
Delta R.T. -0.02 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.4	15.9	23.9
279	28.8	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 9.464 ng

RT: 17.77 min Scan# 2666

Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

ClientSampleId :

SB-107(4-5)

Tot Ion:	276	Resp:	103199
Ion Ratio	Lower	Upper	
276	100		
277	26.2	17.9	26.9
138	24.7	21.8	32.8

Manual Integrations
APPROVED

Sohil
3/28/2018 4:54:43 PM

