

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103945.D
 Acq On : 27 Mar 2018 00:17
 Operator : JU/SJ
 Sample : J1998-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 SB-101(4-5)

Manual Integrations
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Sohil
 3/27/2018 2:15:54 PM

Quant Time: Mar 27 08:32:44 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	153677	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	606696	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	264929	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	425153	20.00	ng	0.00
75) Chrysene-d12	14.17	240	289656	20.00	ng	0.00
86) Perylene-d12	15.71	264	263546	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	885490	87.64	ng	0.01
7) Phenol-d6	6.60	99	1089196	88.11	ng	0.00
23) Nitrobenzene-d5	7.54	82	643030	73.91	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	248806	109.23	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	966489	58.19	ng	0.00
78) Terphenyl-d14	13.10	244	777303	62.29	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.28	128	115685	3.775	ng	98
37) 2-Methylnaphthalene	8.97	142	49817	2.563	ng	96
48) Acenaphthylene	9.87	152	118592	4.359	ng	99
49) Dimethylphthalate	9.72	163	115344	5.707	ng	# 99
51) Acenaphthene	10.05	154	48582	3.007	ng	99
57) Fluorene	10.56	166	73726	4.118	ng	99
70) Phenanthrene	11.53	178	650752	27.981	ng	99
71) Anthracene	11.59	178	198585	8.407	ng	98
72) Carbazole	11.74	167	47084	2.051	ng	98
74) Fluoranthene	12.73	202	813631	33.958	ng	99
77) Pyrene	12.97	202	904789	42.534	ng	100
80) Benzo(a)anthracene	14.16	228	430103m	23.458	ng	
82) Chrysene	14.19	228	440339m	25.194	ng	
85) Indeno(1,2,3-cd)pyrene	17.29	276	159197	10.430	ng	94
87) Benzo(b)fluoranthene	15.25	252	389427m	23.389	ng	
88) Benzo(k)fluoranthene	15.28	252	148031m	9.249	ng	
89) Benzo(a)pyrene	15.64	252	329942	21.848	ng	97
90) Dibenzo(a,h)anthracene	17.30	278	52232m	3.994	ng	
91) Benzo(a,h,i)perylene	17.78	276	160530	12.619	ng	94

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

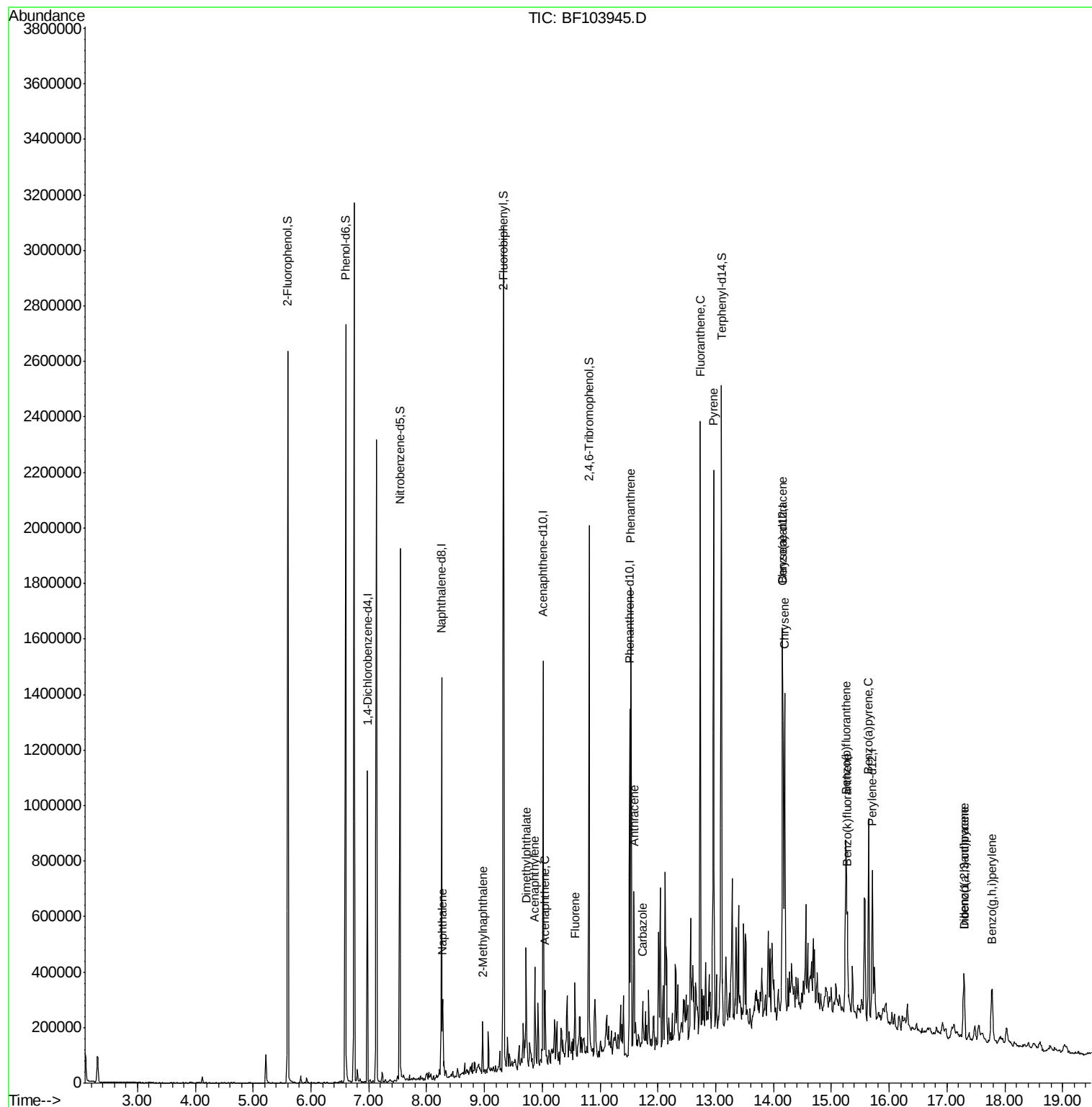
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
Data File : BF103945.D
Acq On : 27 Mar 2018 00:17
Operator : JU/SJ
Sample : J1998-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

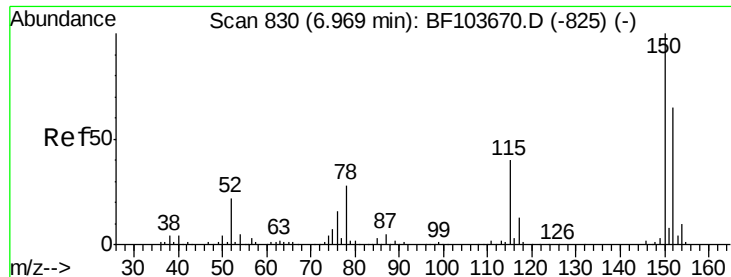
Instrument :
BNA_F
ClientSampled :
SB-101(4-5)

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#1

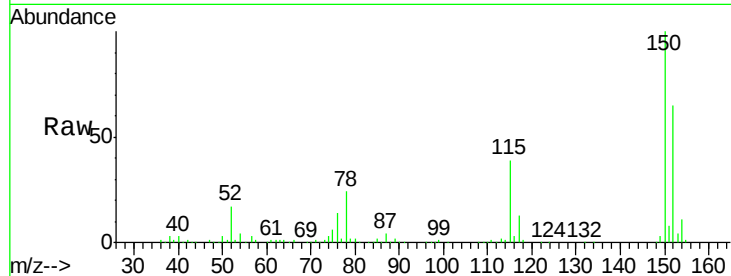
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-101(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	61.0	50.1	75.1

Manual Integrations
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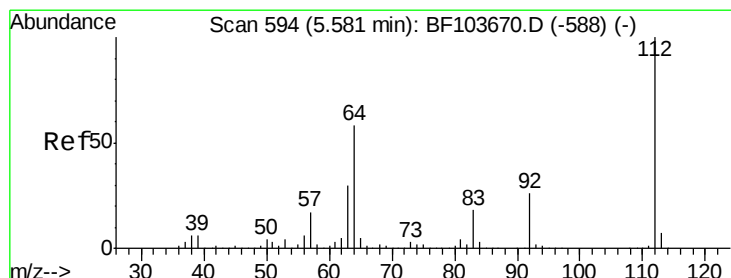
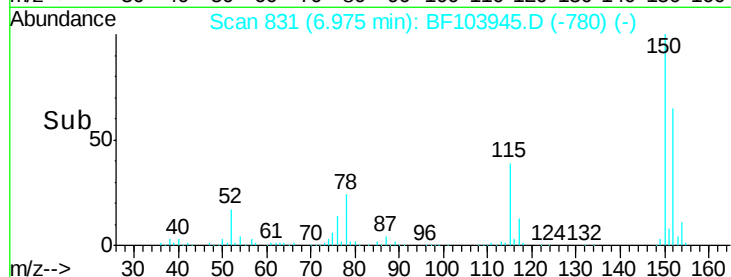
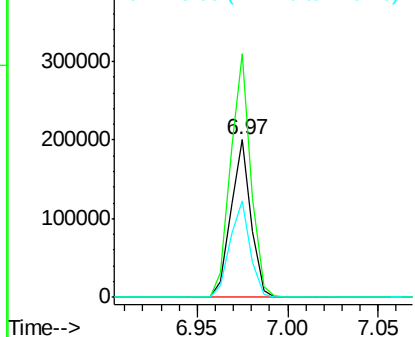


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

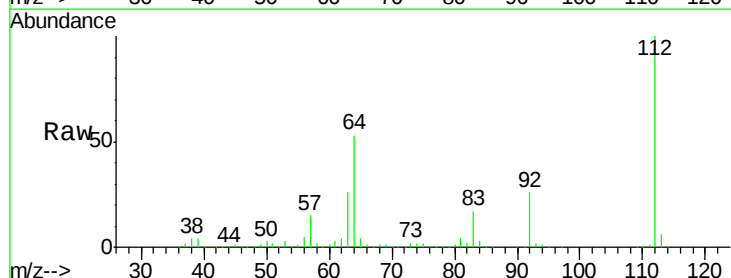
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.640 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	47.9	71.9
63	25.9	23.7	35.5

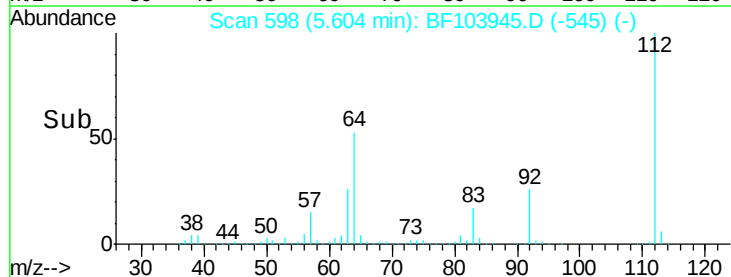
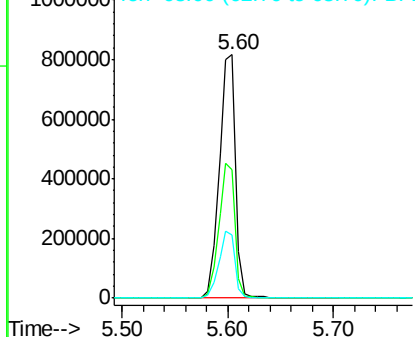


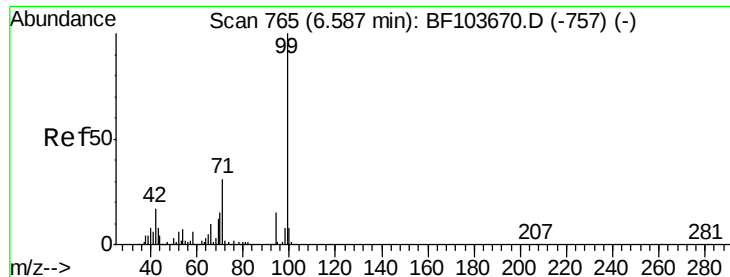
Abundance

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: 88.114 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103945.D

Acq: 27 Mar 2018 00:17

Instrument :

BNA_F

ClientSampled :

SB-101(4-5)

Tot Ion: 99 Resp: 1089196

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

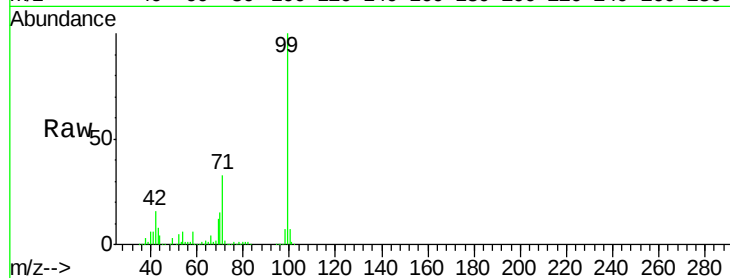
71 32.9 25.4 38.0

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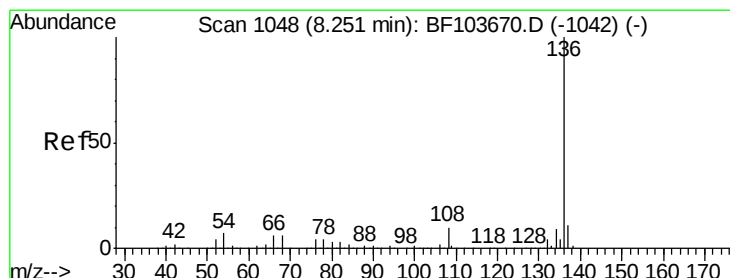
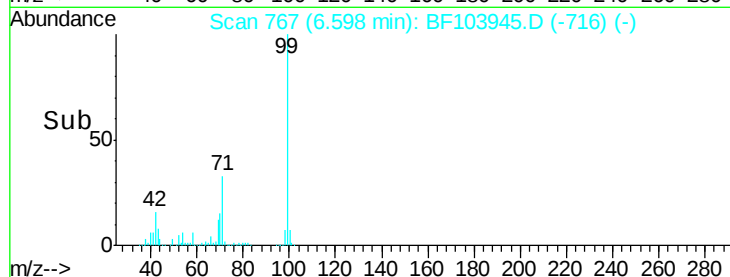
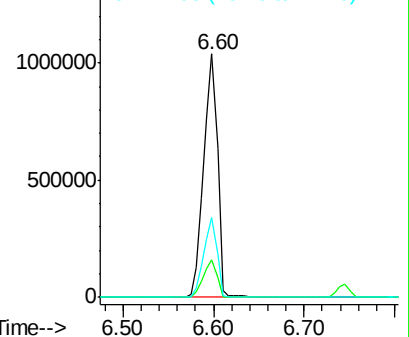
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103945.D

Acq: 27 Mar 2018 00:17

Tgt Ion: 136 Resp: 606696

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.8 6.6 9.8

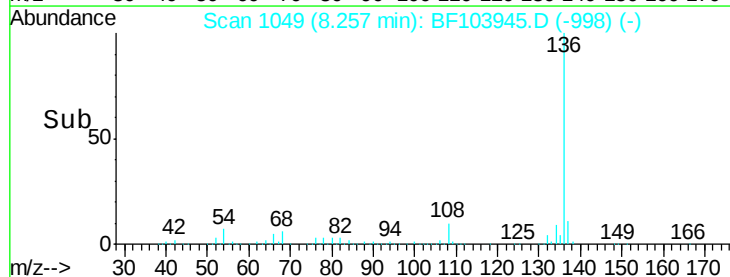
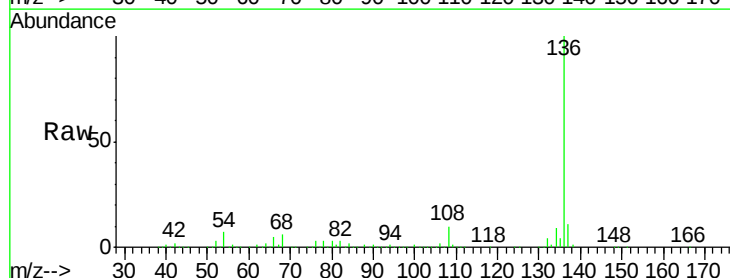
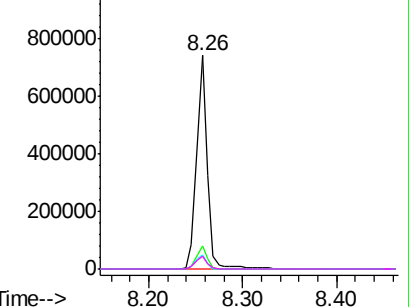
68 6.1 5.0 7.4

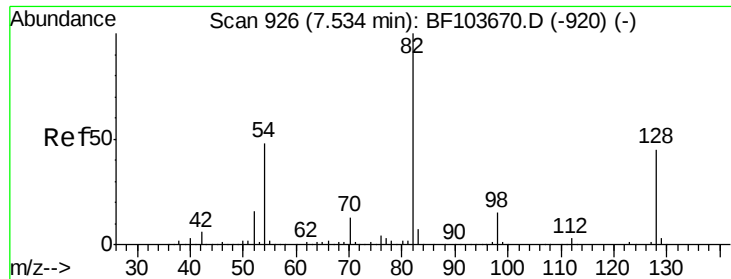
Abundance Ion 136.00 (135.70 to 136.70): E

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





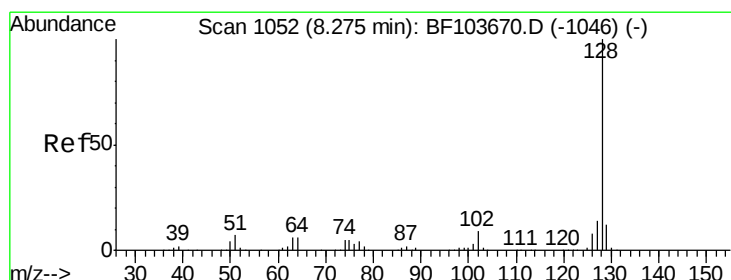
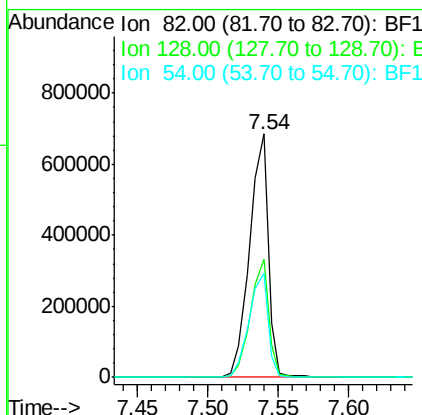
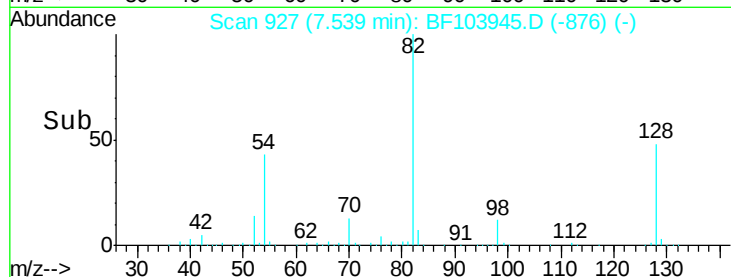
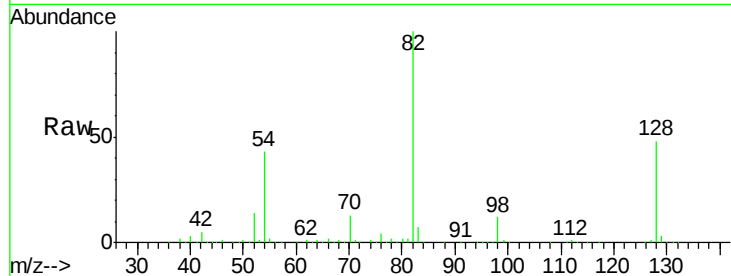
#23
Nitrobenzene-d5
Concen: 73.912 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-101(4-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.1	54.1
54	42.6	41.4	62.2

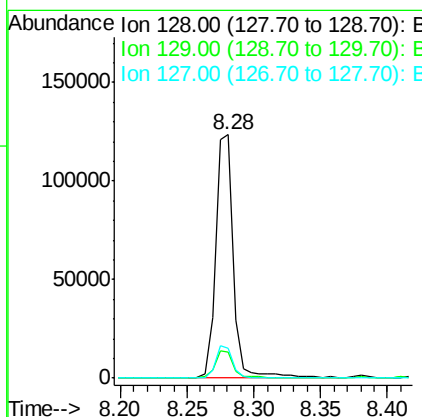
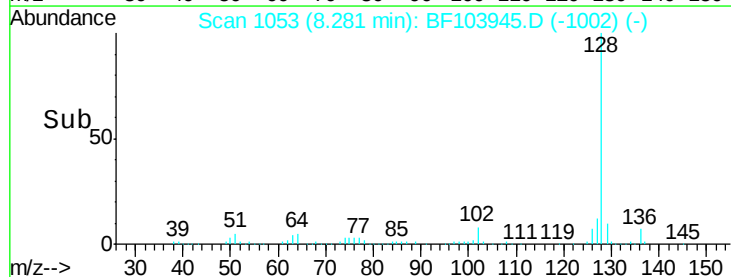
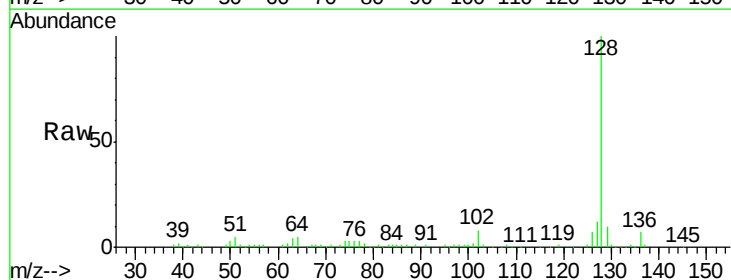
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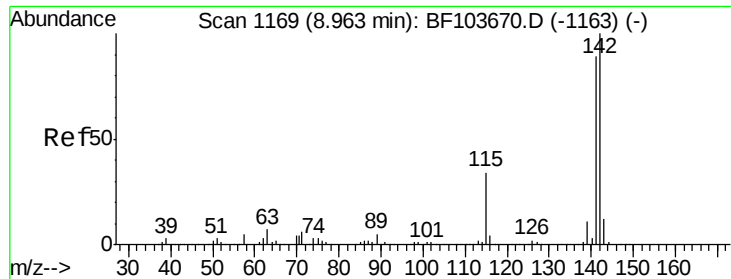
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#31
Naphthalene
Concen: 3.775 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	12.5	10.9	16.3





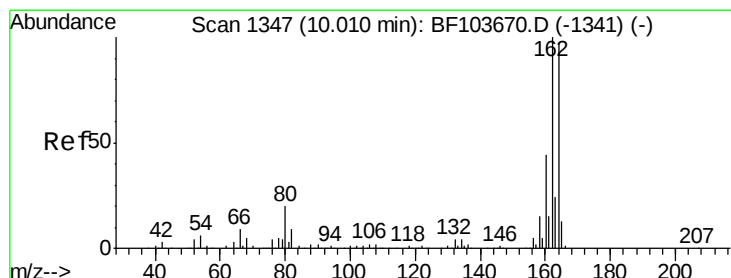
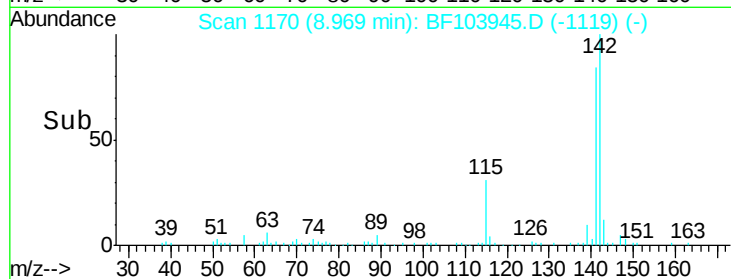
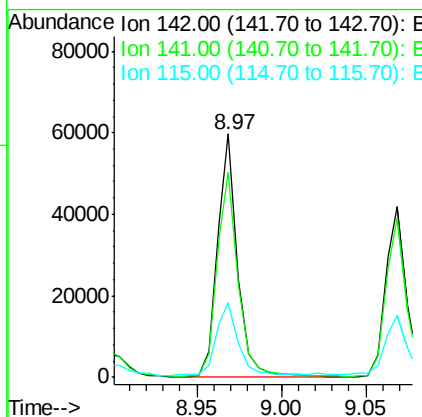
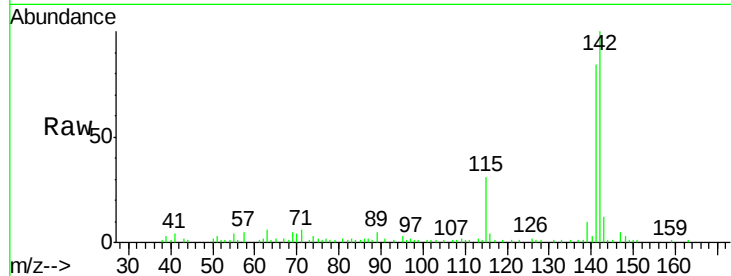
#37
2-Methylnaphthalene
Concen: 2.563 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-101(4-5)

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.3	70.8	106.2
115	30.6	26.1	39.1

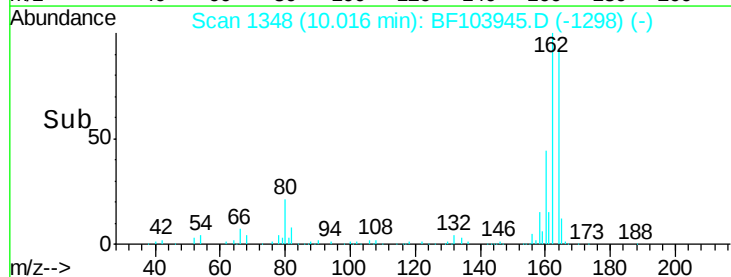
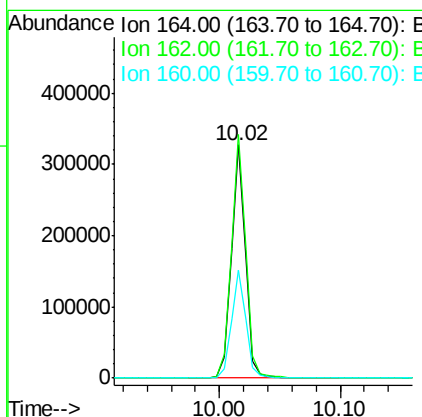
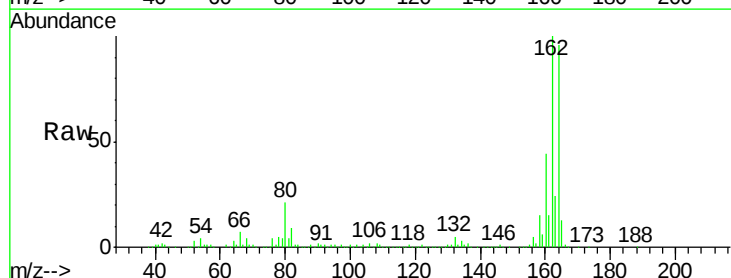
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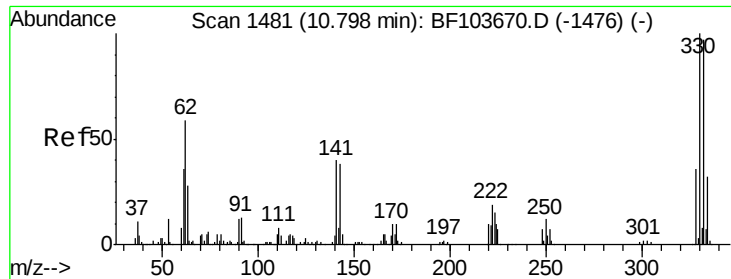
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	46.1	38.3	57.5





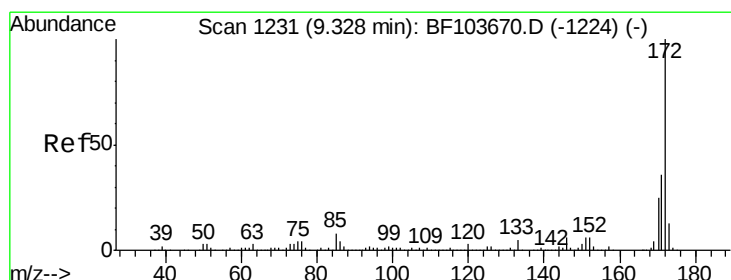
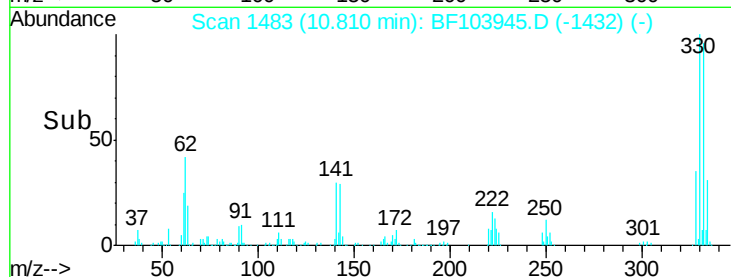
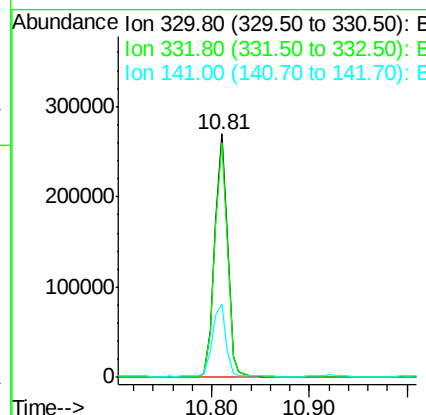
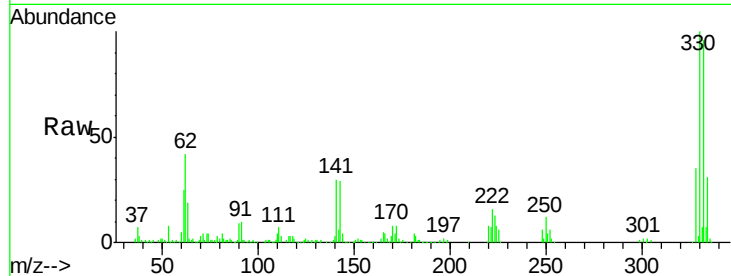
#41
 2,4,6-Tribromophenol
 Concen: 109.227 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103945.D
 Acq: 27 Mar 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-101(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	248806		
332	96.4	77.0	115.6	
141	30.9	29.9	44.9	

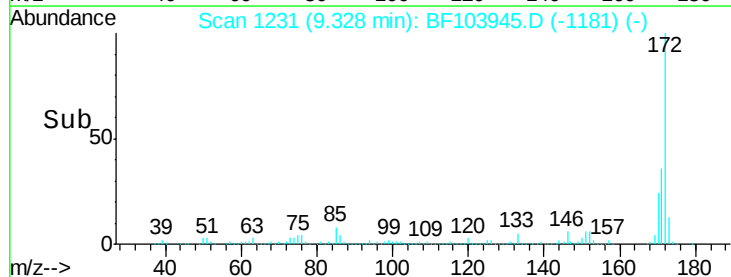
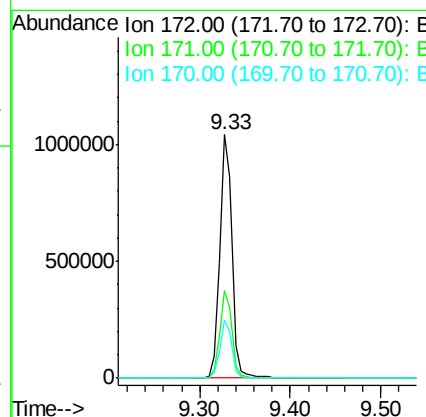
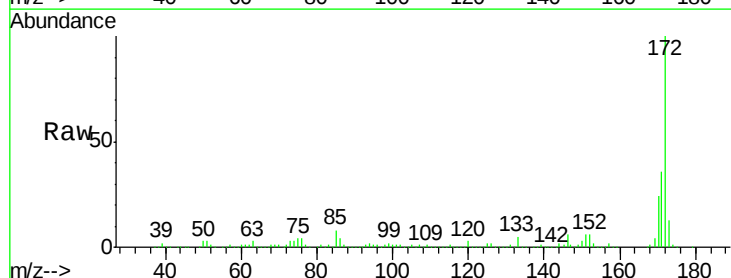
Manual Integrations
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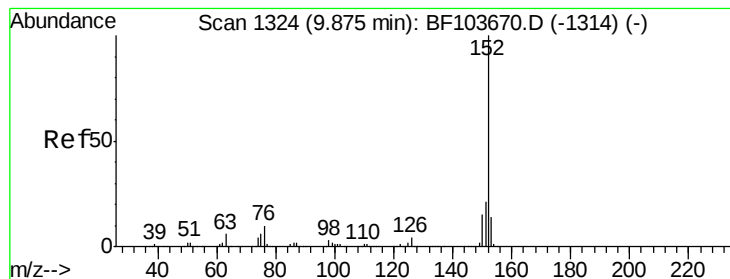
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#44
 2-Fluorobiphenyl
 Concen: 58.193 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103945.D
 Acq: 27 Mar 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	966489		
171	35.9	29.7	44.5	
170	24.0	19.6	29.4	





#48

Acenaphthylene

Concen: 4.359 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF103945.D

Acq: 27 Mar 2018 00:17

Instrument :

BNA_F

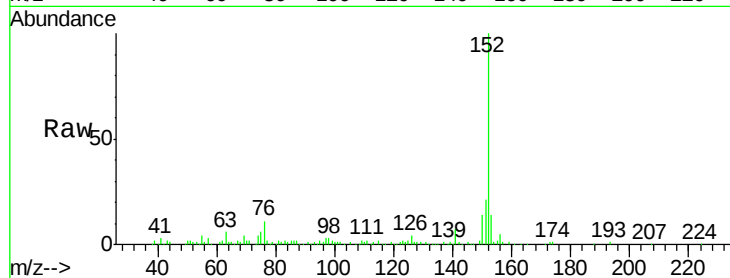
ClientSampleId :

SB-101(4-5)

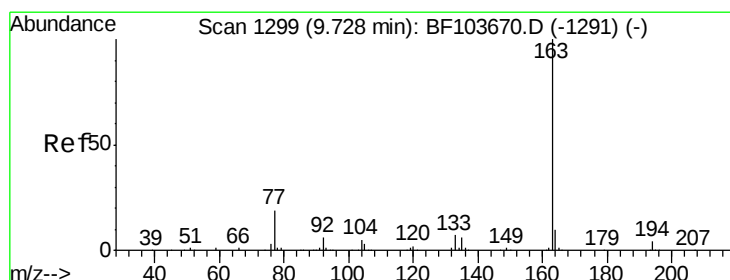
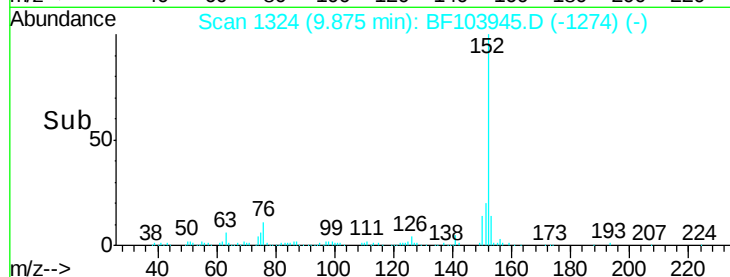
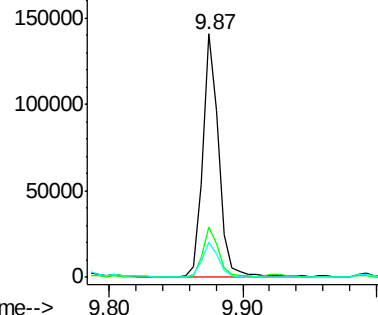
Tot Ion:	152	Resp:	118592
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.3	24.5
153	14.1	10.7	16.1

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.707 ng

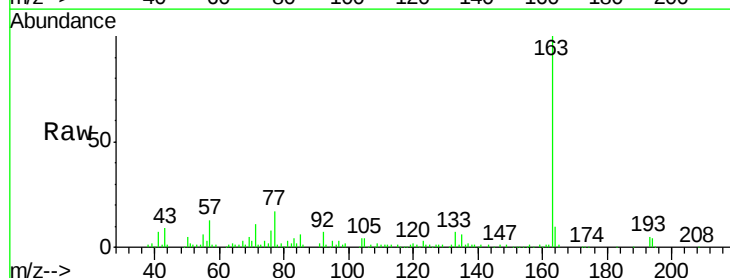
RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

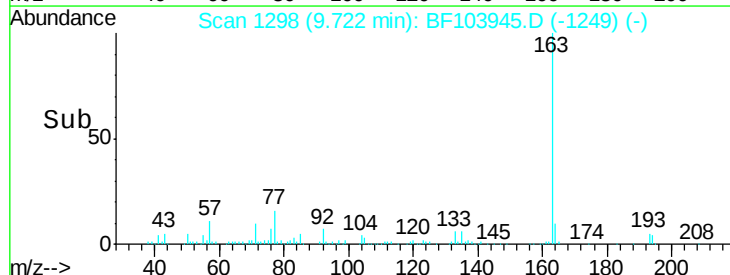
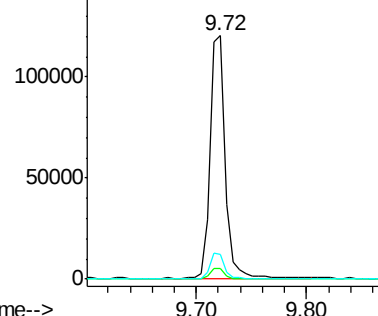
Lab File: BF103945.D

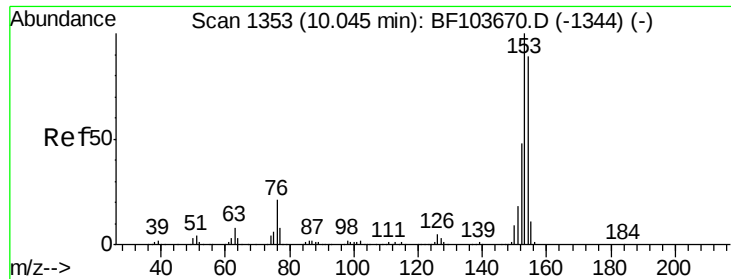
Acq: 27 Mar 2018 00:17

Tgt Ion:	163	Resp:	115344
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.7	4.1#
164	10.3	8.2	12.2



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: 3.007 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF103945.D

Acq: 27 Mar 2018 00:17

Instrument :

BNA_F

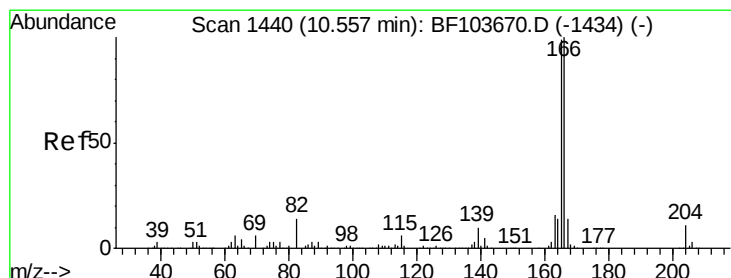
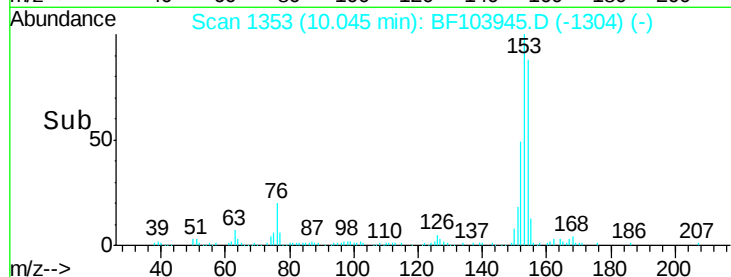
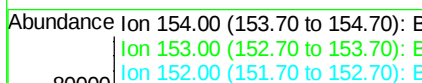
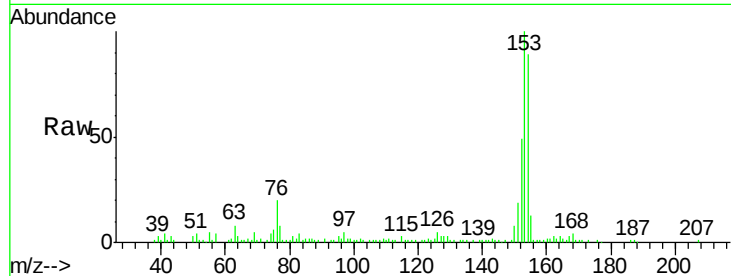
ClientSampleId :

SB-101(4-5)

Tot Ion:	154	Resp:	48582
Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.2	136.8
152	55.5	43.8	65.8

Manual Integrations
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Sohil
3/27/2018 2:15:54 PM



#57

Fluorene

Concen: 4.118 ng

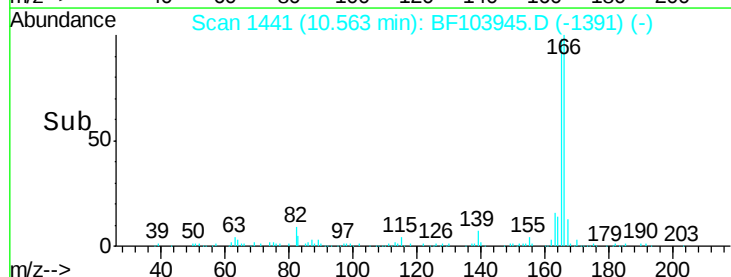
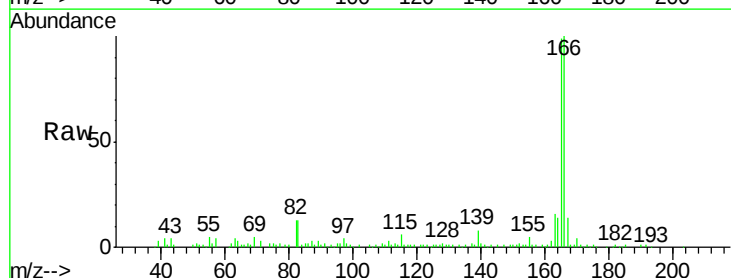
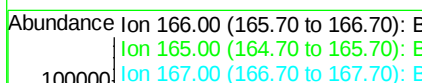
RT: 10.56 min Scan# 1441

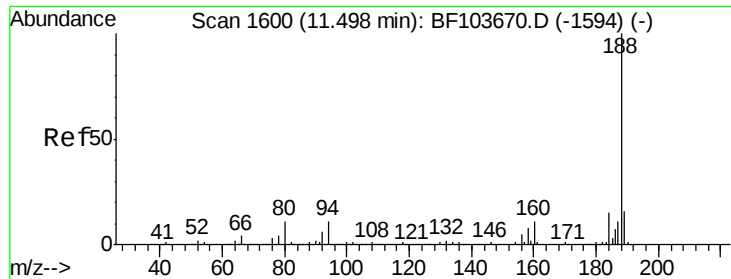
Delta R.T. -0.01 min

Lab File: BF103945.D

Acq: 27 Mar 2018 00:17

Tgt Ion:	166	Resp:	73726
Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.8	119.8
167	13.8	10.6	16.0





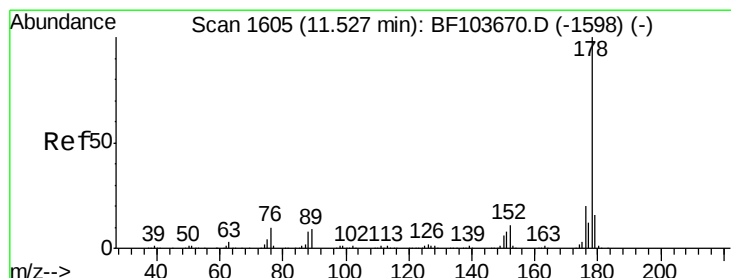
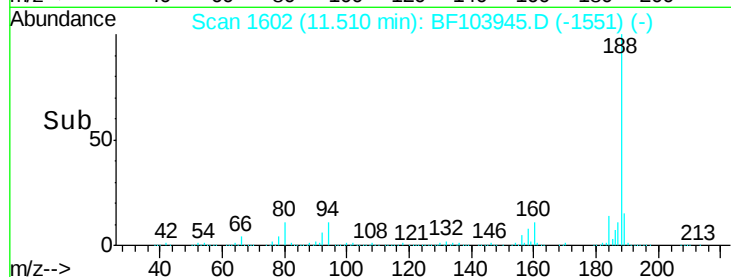
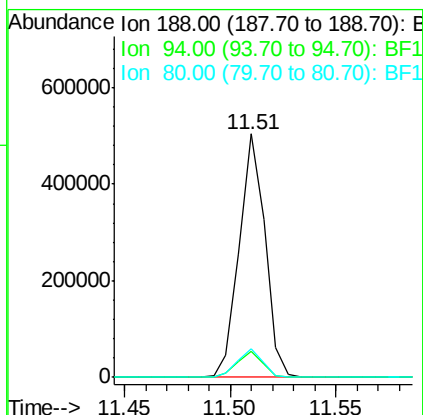
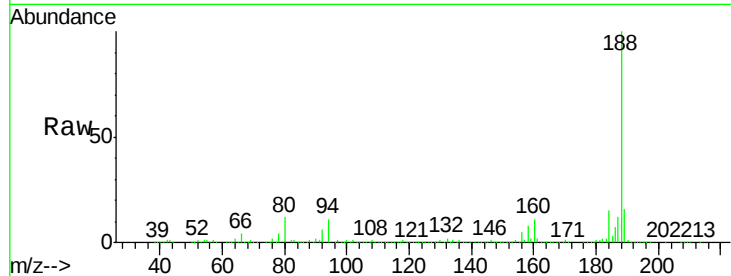
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-101(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	425153		
94	10.8		8.5	12.7
80	11.5		9.2	13.8

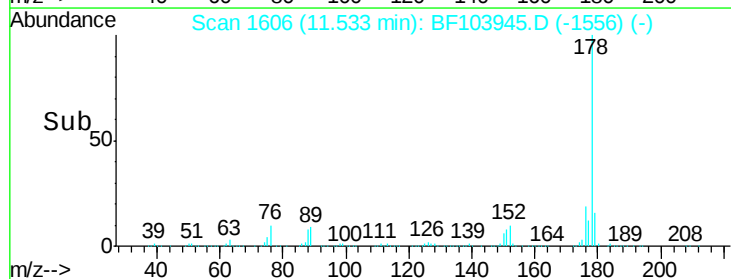
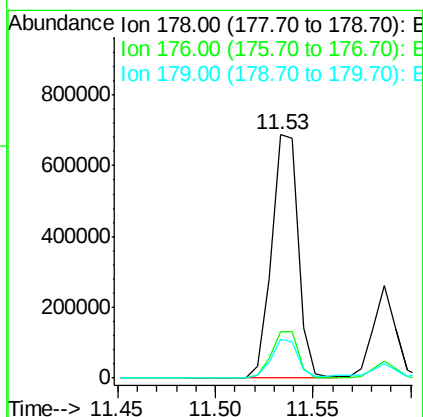
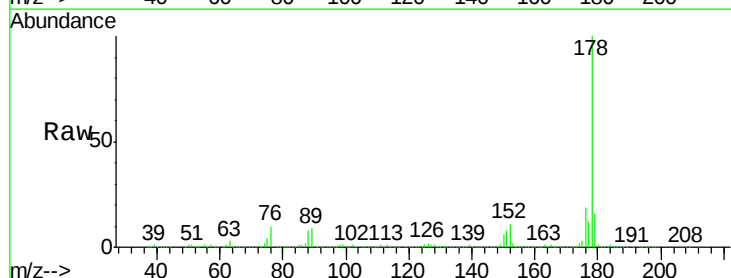
Manual Integrations
APPROVED

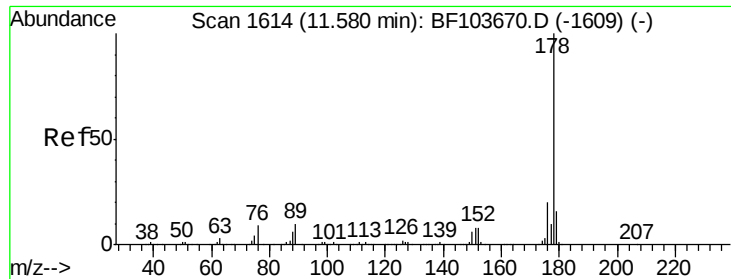
Sohil
3/27/2018 2:15:54 PM



#70
Phenanthrene
Concen: 27.981 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	650752		
176	19.2		15.8	23.8
179	16.1		13.0	19.6





#71

Anthracene

Concen: 8.407 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF103945.D

Acq: 27 Mar 2018 00:17

Instrument :

BNA_F

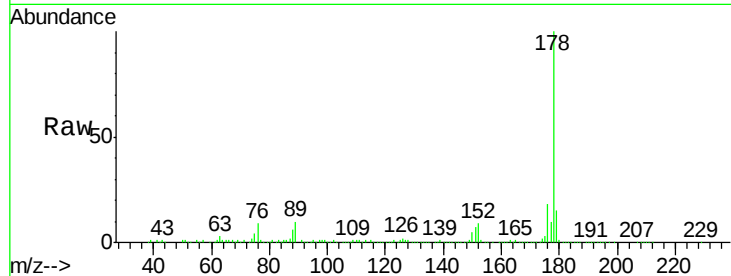
ClientSampleId :

SB-101(4-5)

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

Manual Integrations
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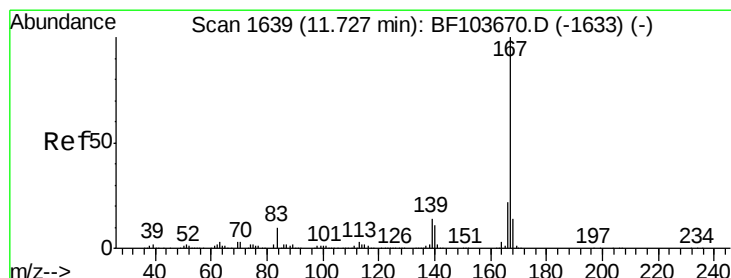
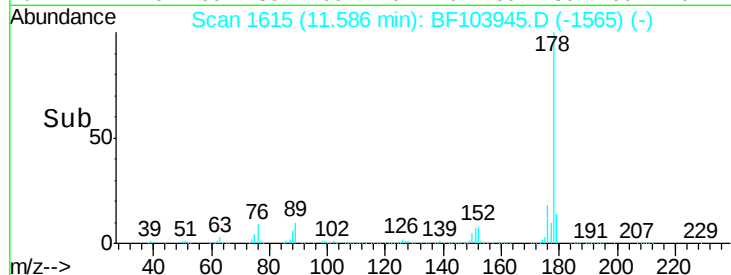
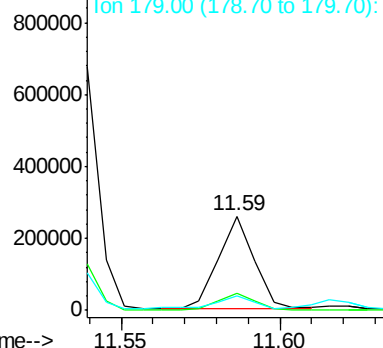


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.051 ng

RT: 11.74 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BF103945.D

Acq: 27 Mar 2018 00:17

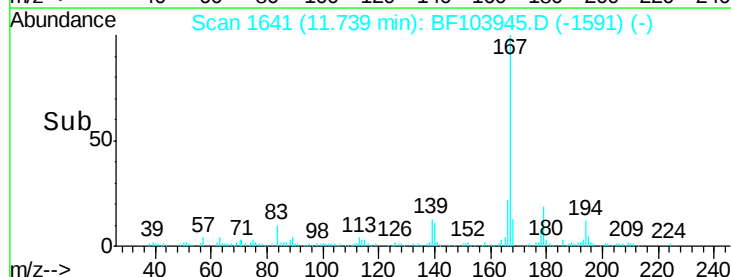
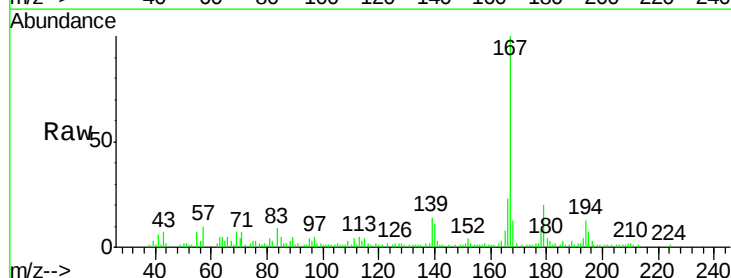
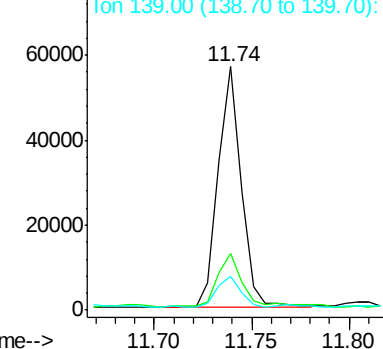
Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.6	26.4
139	13.7	10.9	16.3

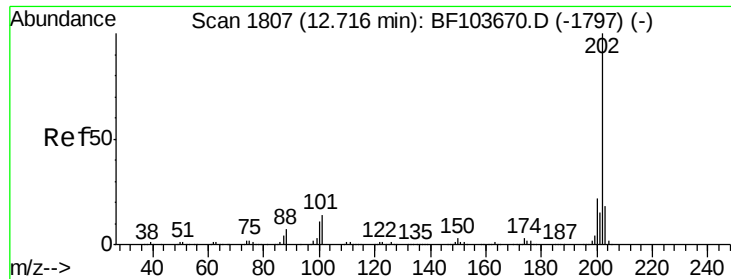
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 33.958 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF103945.D

Acq: 27 Mar 2018 00:17

Instrument :

BNA_F

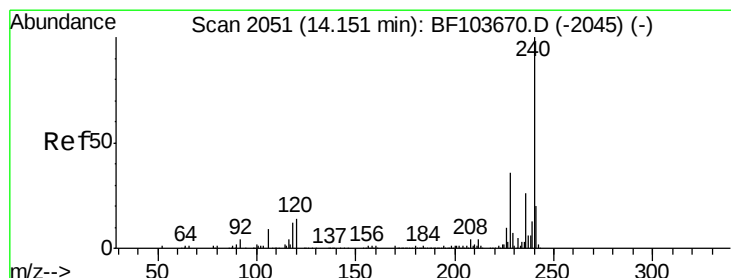
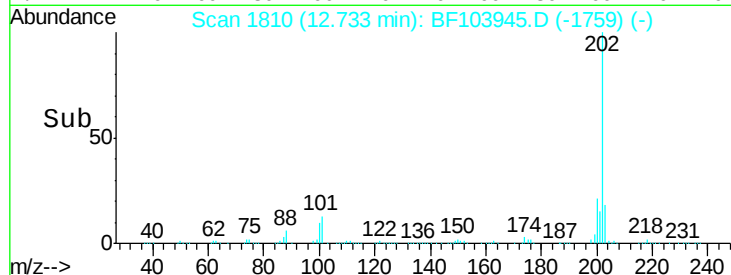
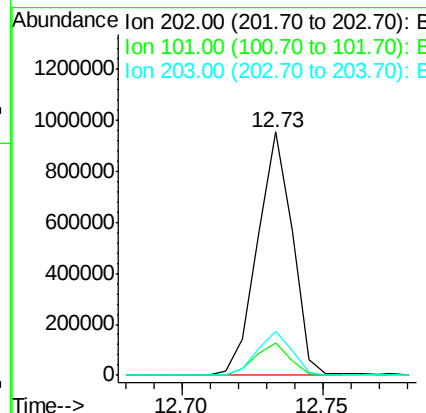
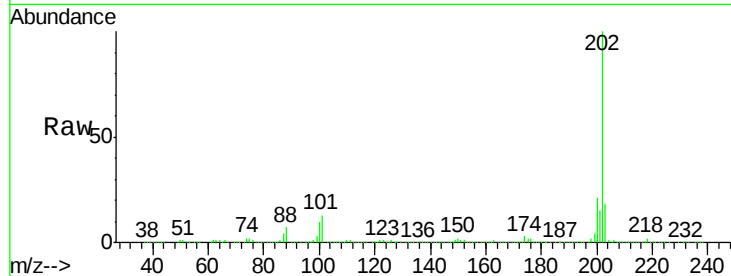
ClientSampleId :

SB-101(4-5)

Tot Ion:	202	Resp:	813631
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

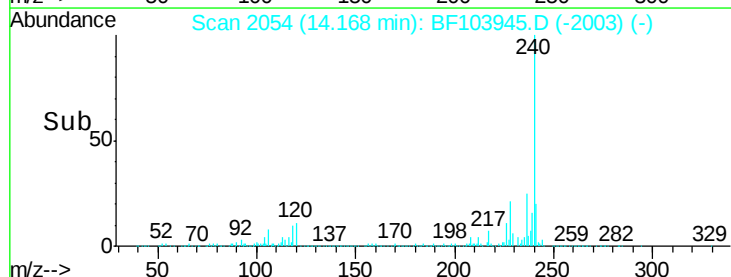
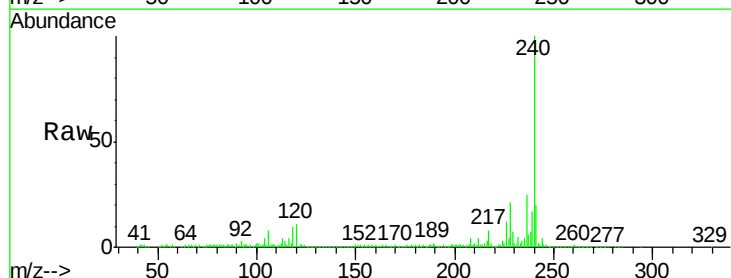
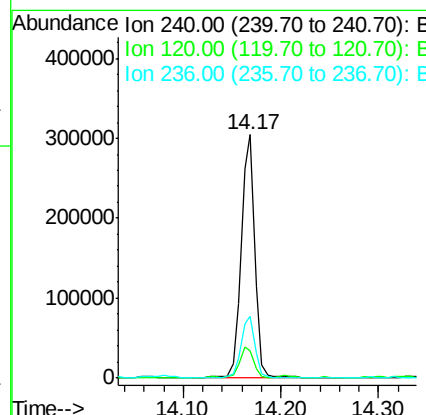
RT: 14.17 min Scan# 2054

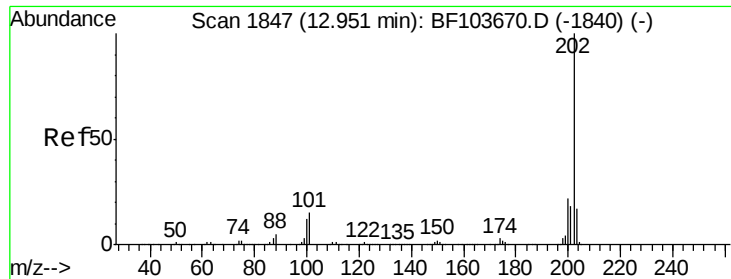
Delta R.T. -0.00 min

Lab File: BF103945.D

Acq: 27 Mar 2018 00:17

Tgt Ion:	240	Resp:	289656
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.5	14.3
236	25.4	20.7	31.1





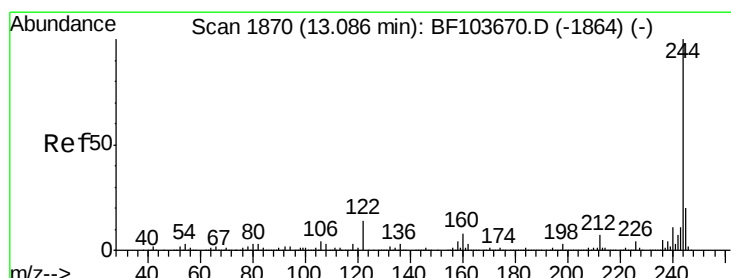
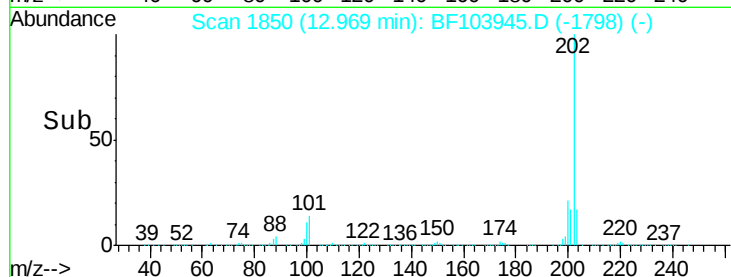
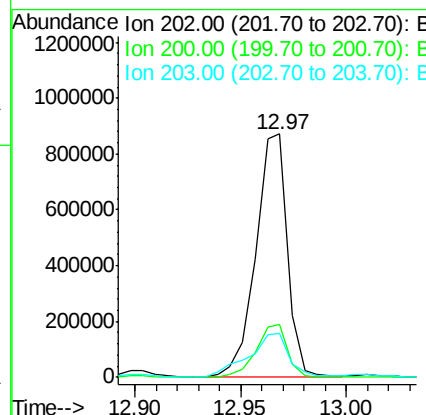
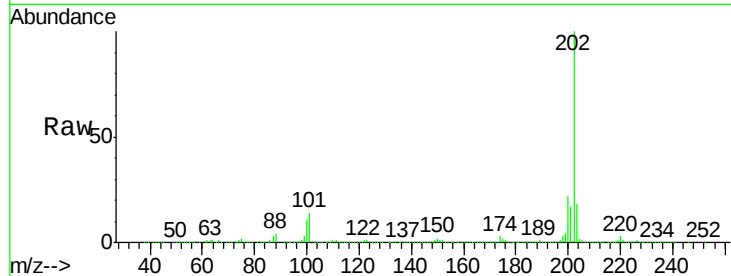
#77
Pvrene
Concen: 42.534 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.01 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-101(4-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5

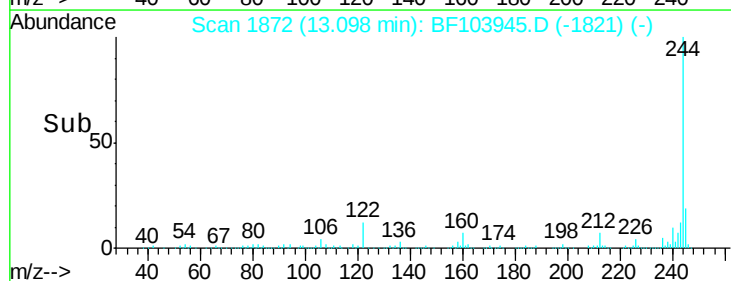
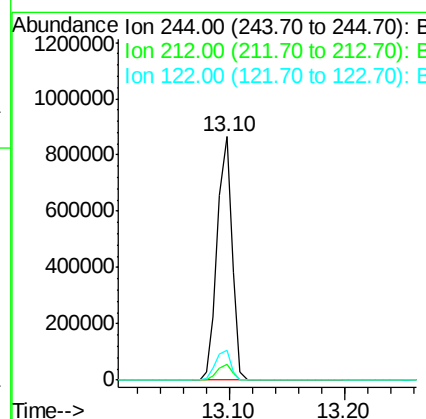
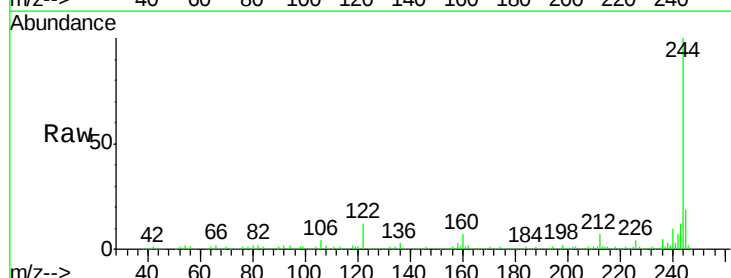
Manual Integrations
APPROVED

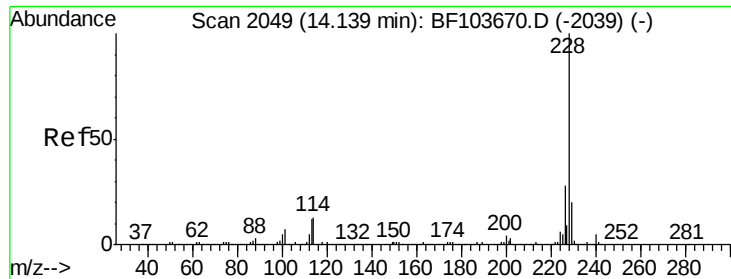
Sohil
3/27/2018 2:15:54 PM



#78
Terphenyl-d14
Concen: 62.289 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.2	11.0	16.4





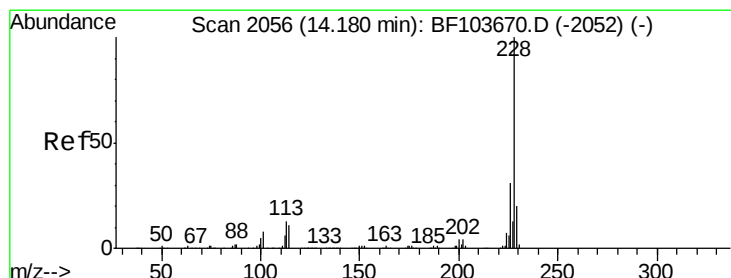
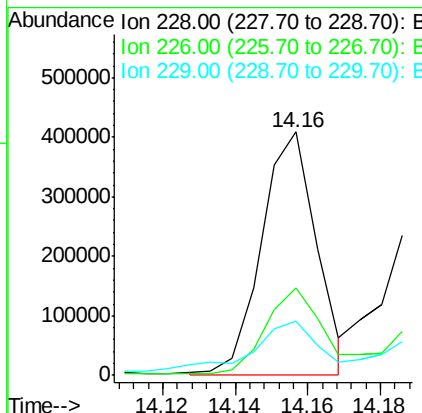
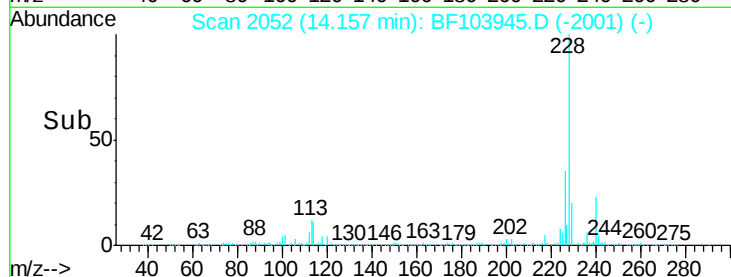
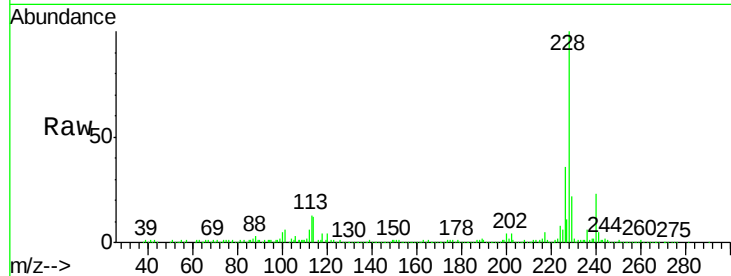
#80
Benzo(a)anthracene
Concen: 23.458 ng m
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-101(4-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.6	33.8#
229	22.1	15.8	23.6

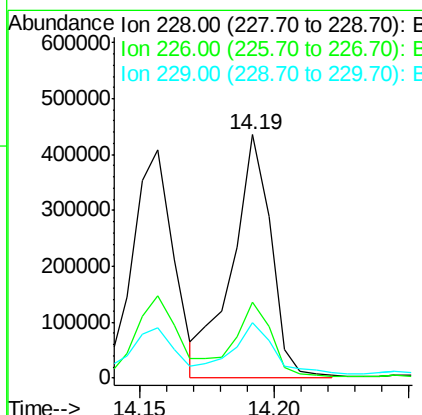
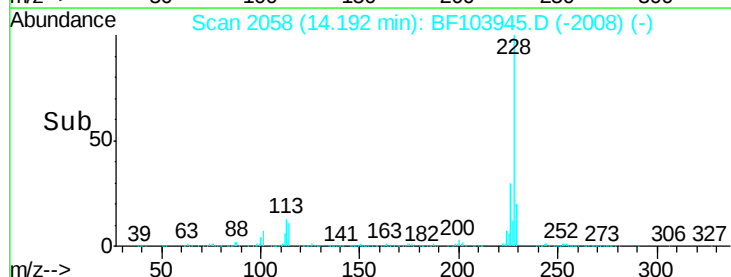
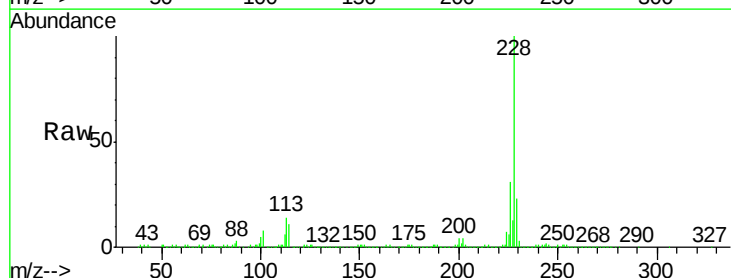
Manual Integrations
APPROVED

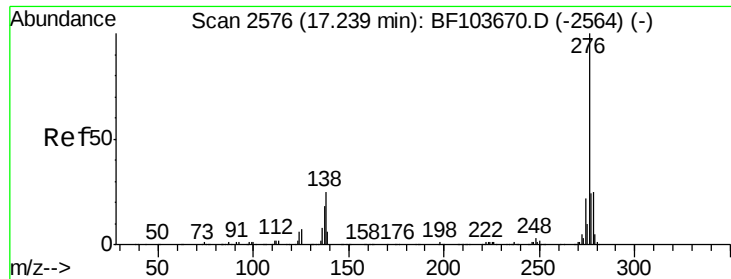
Sohil
3/27/2018 2:15:54 PM



#82
Chrysene
Concen: 25.194 ng m
RT: 14.19 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.6	16.2	24.4





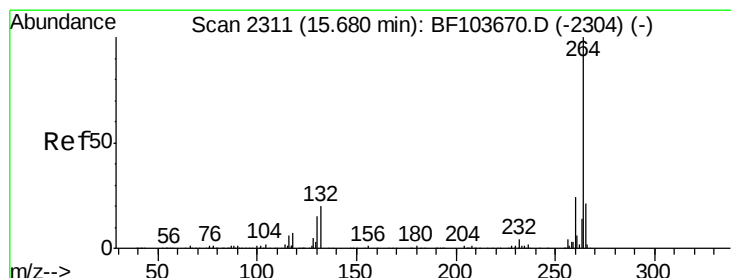
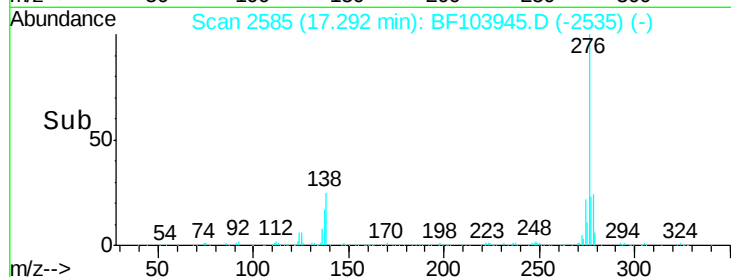
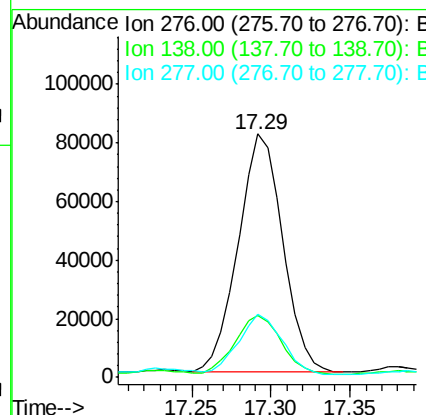
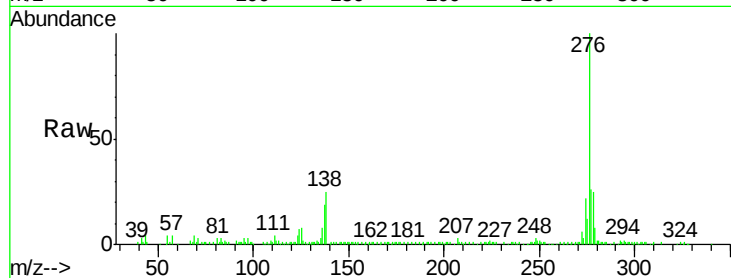
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.430 ng
RT: 17.29 min Scan# 2585
Delta R.T. -0.01 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-101(4-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.0	37.6
277	25.1	20.1	30.1

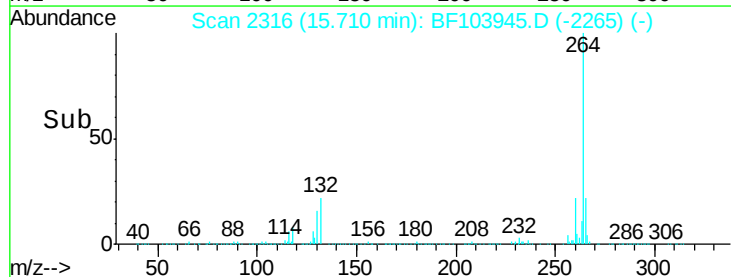
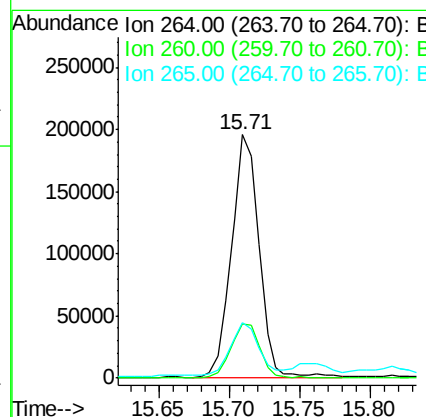
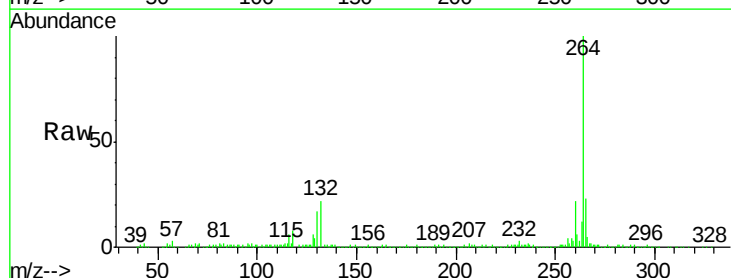
Manual Integrations
APPROVED

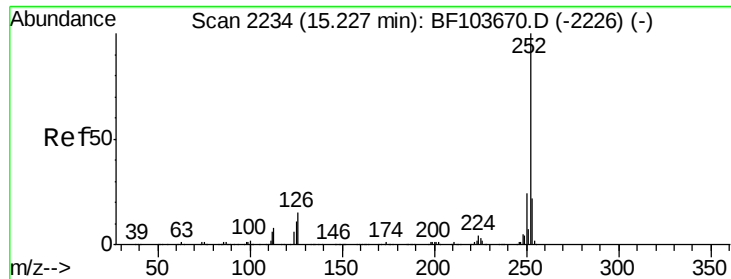
Sohil
3/27/2018 2:15:54 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	22.8	17.5	26.3





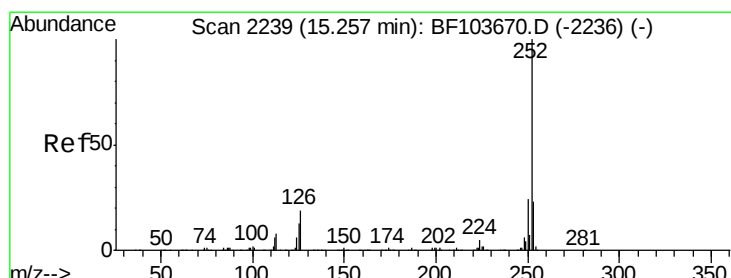
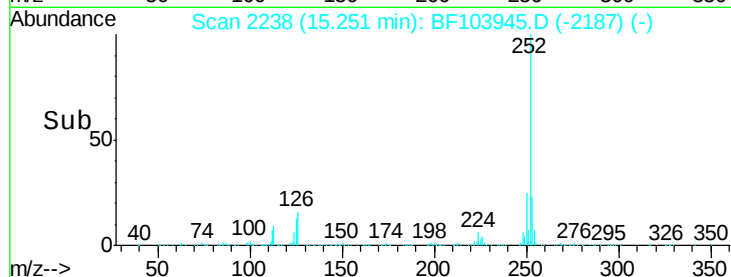
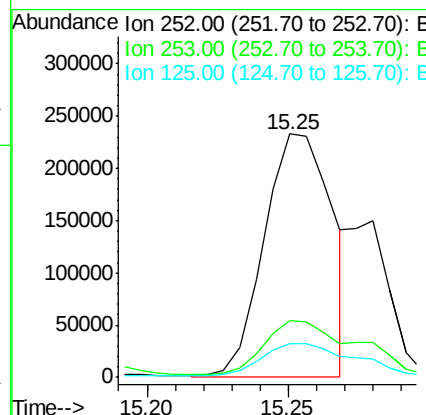
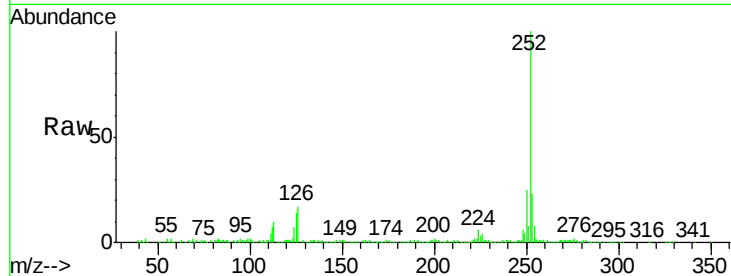
#87
Benzo(b)fluoranthene
Concen: 23.389 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-101(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	13.8	9.0	13.6

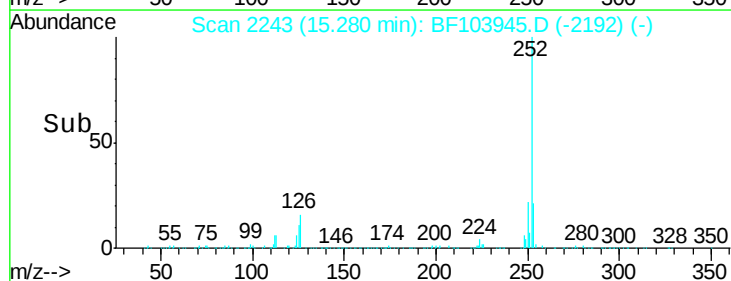
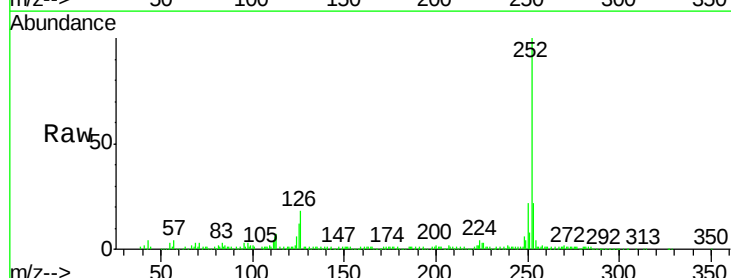
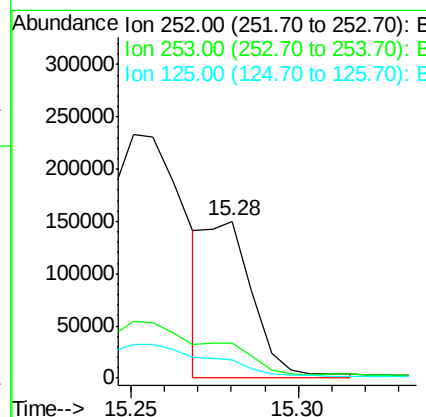
Manual Integrations
APPROVED

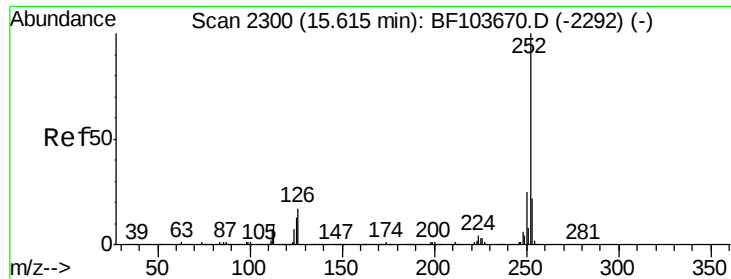
Sohil
3/27/2018 2:15:54 PM



#88
Benzo(k)fluoranthene
Concen: 9.249 ng m
RT: 15.28 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	12.1	10.2	15.2





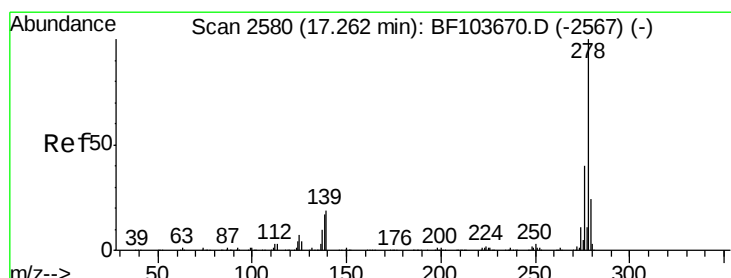
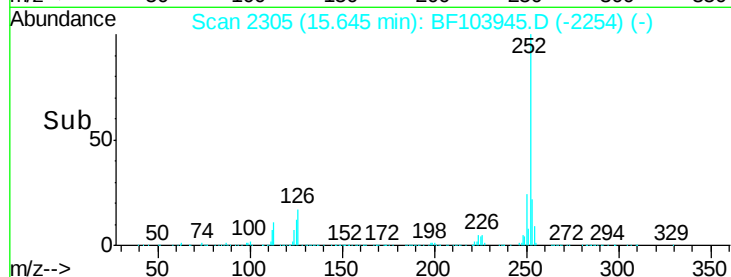
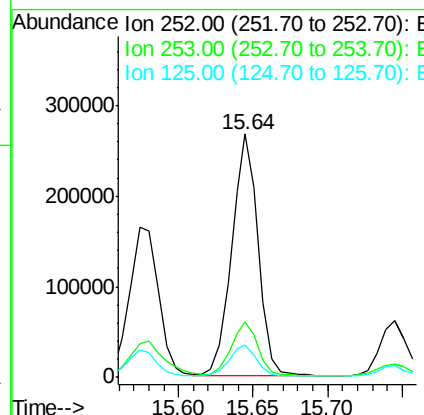
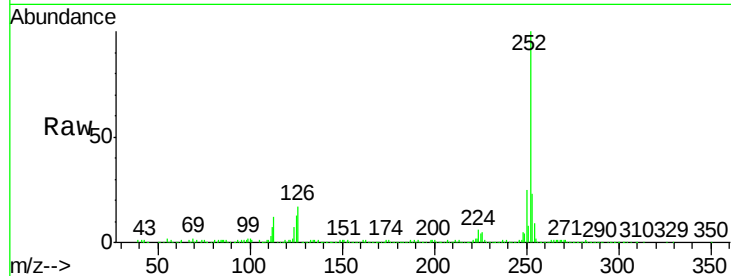
#89
Benzo(a)pyrene
Concen: 21.848 ng
RT: 15.64 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Instrument :
BNA_F
ClientSampled :
SB-101(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	13.2	9.8	14.6

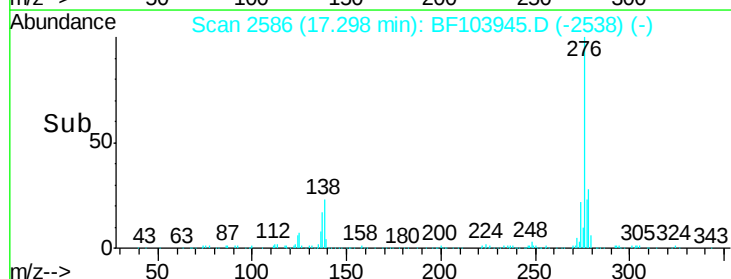
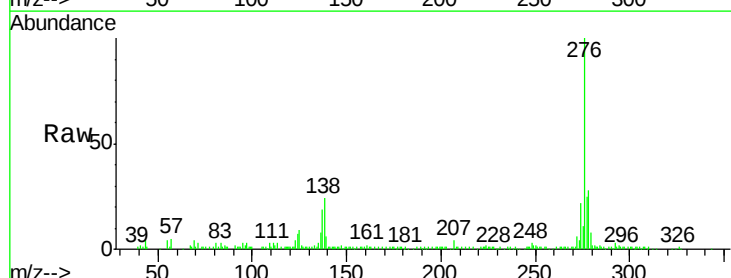
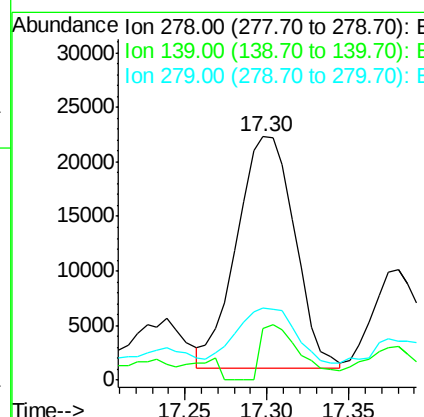
Manual Integrations
APPROVED

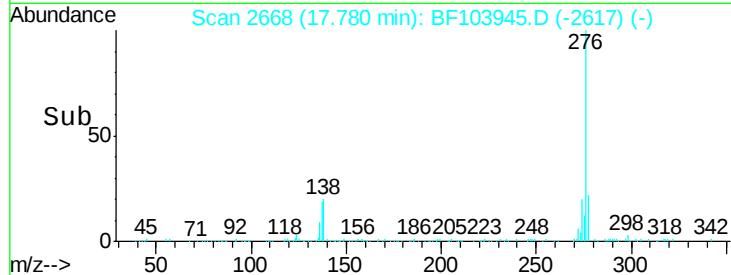
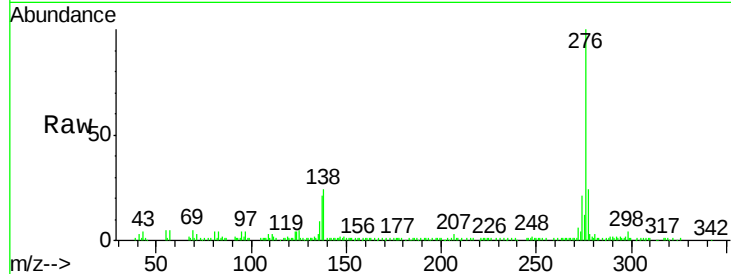
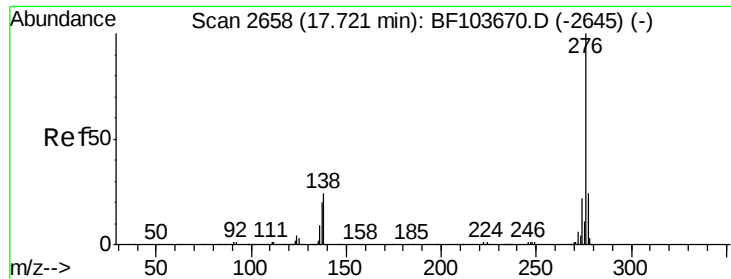
Sohil
3/27/2018 2:15:54 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.994 ng m
RT: 17.30 min Scan# 2586
Delta R.T. -0.02 min
Lab File: BF103945.D
Acq: 27 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.3	15.9	23.9
279	29.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 12.619 ng
 RT: 17.78 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: BF103945.D
 Acq: 27 Mar 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-101(4-5)

Tot Ion:	276	Resp:	160530
Ion Ratio	Lower	Upper	
276	100		
277	24.1	17.9	26.9
138	23.5	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 3/27/2018 2:15:54 PM

