

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103885.D
 Acq On : 23 Mar 2018 17:27
 Operator : JU/SJ
 Sample : J1998-02 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(2-3)

Manual Integrations
 APPROVED

Sohil
 3/26/2018 4:33:08 PM

Quant Time: Mar 23 18:53:29 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	147226	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	542985	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	209856	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	327040	20.00	ng	0.00
75) Chrysene-d12	14.17	240	244341	20.00	ng	0.00
86) Perylene-d12	15.73	264	189472	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	505961	52.27	ng	0.00
7) Phenol-d6	6.59	99	612225	51.70	ng	0.00
23) Nitrobenzene-d5	7.53	82	337066	43.29	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	104093	57.69	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	583391	44.34	ng	0.00
78) Terphenyl-d14	13.10	244	467629	44.42	ng	0.00
Target Compounds						
31) Naphthalene	8.28	128	292538	10.665	ng	99
37) 2-Methylnaphthalene	8.97	142	131204	7.543	ng	98
45) 1,1'-Biphenyl	9.43	154	39288	2.245	ng	96
48) Acenaphthylene	9.88	152	214641	9.959	ng	100
49) Dimethylphthalate	9.72	163	48939	3.057	ng	100
51) Acenaphthene	10.05	154	128227	10.020	ng	99
54) Dibenzofuran	10.22	168	162755	8.905	ng	99
57) Fluorene	10.57	166	295522	20.837	ng	99
70) Phenanthrene	11.54	178	1655651	92.547	ng	99
71) Anthracene	11.59	178	655750	36.090	ng	99
72) Carbazole	11.74	167	111090	6.290	ng	99
74) Fluoranthene	12.74	202	1830444	99.315	ng	98
77) Pvrene	12.97	202	1715638	95.609	ng	99
79) Butylbenzylphthalate	13.57	149	22563	2.838	ng	# 95
80) Benzo(a)anthracene	14.16	228	886740	57.332	ng	93
82) Chrysene	14.20	228	720736	48.884	ng	98
85) Indeno(1,2,3-cd)pvrene	17.32	276	300110	23.308	ng	# 93
87) Benzo(b)fluoranthene	15.26	252	763849m	63.812	ng	
88) Benzo(k)fluoranthene	15.29	252	202347m	17.585	ng	
89) Benzo(a)pvrene	15.66	252	536197	49.386	ng	# 95
90) Dibenzo(a,h)anthracene	17.33	278	79181	8.422	ng	# 81
91) Benzo(g,h,i)perylene	17.81	276	292143	31.942	ng	95

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

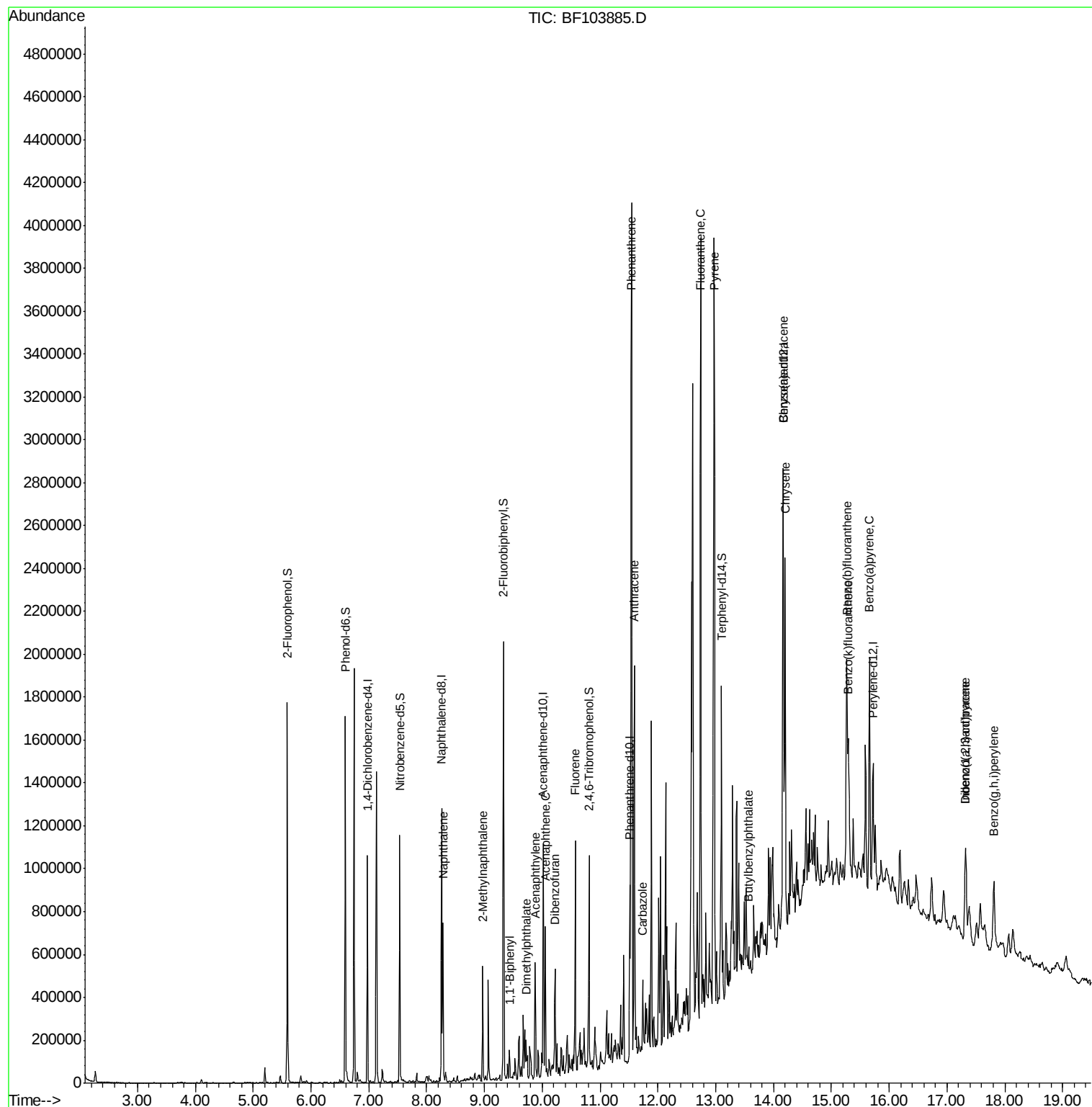
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103885.D
Acq On : 23 Mar 2018 17:27
Operator : JU/SJ
Sample : J1998-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

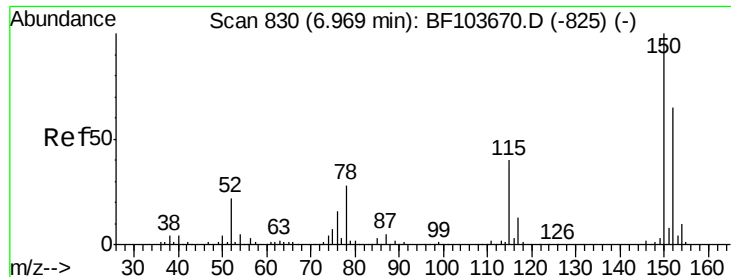
Instrument :
BNA_F
ClientSampleId :
SB-109(2-3)

Manual Integrations
APPROVED

Sohil
3/26/2018 4:33:08 PM

Quant Time: Mar 23 18:53:29 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





#1

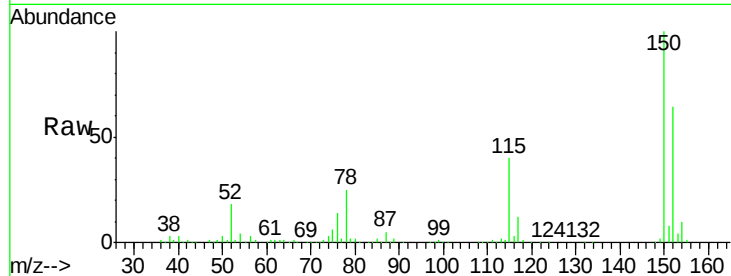
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Instrument :
BNA_F
ClientSampleId :
SB-109(2-3)

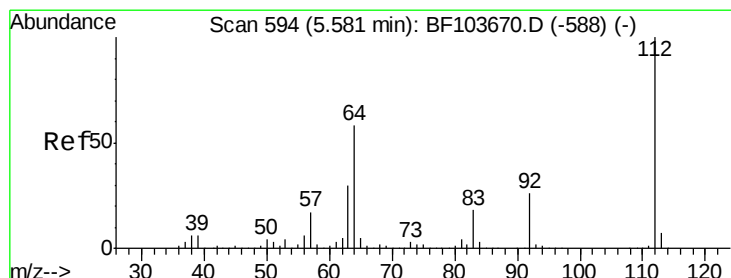
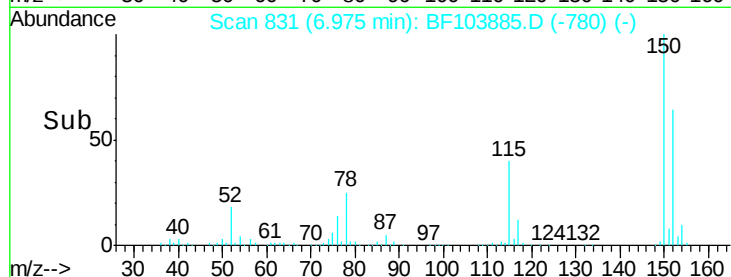
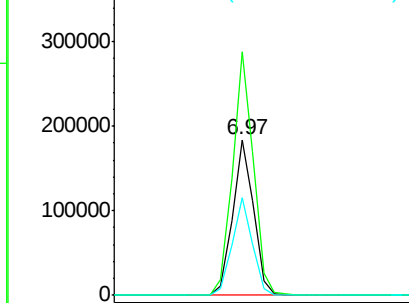
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	62.7	50.1	75.1

Manual Integrations
APPROVED

Sohil
3/26/2018 4:33:08 PM



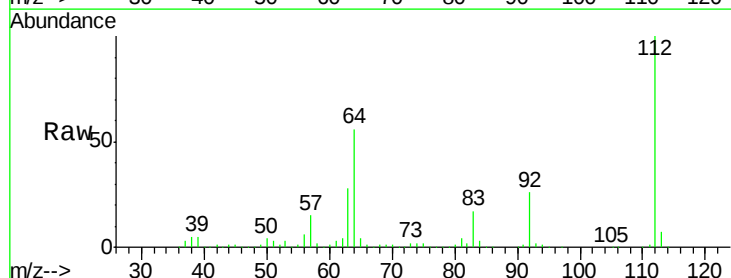
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



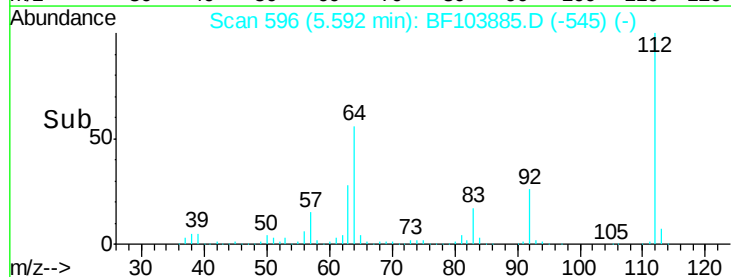
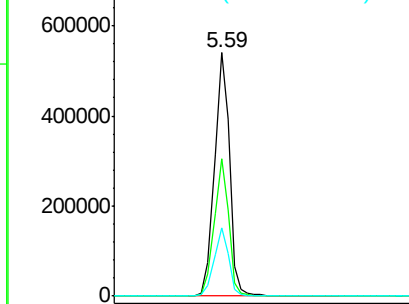
#5

2-Fluorophenol
Concen: 52.271 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	27.8	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: 51.698 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF103885.D

Acq: 23 Mar 2018 17:27

Instrument :

BNA_F

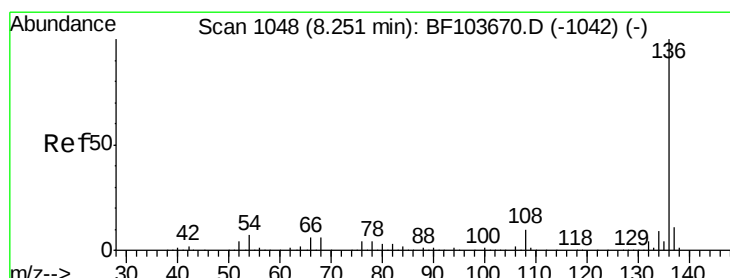
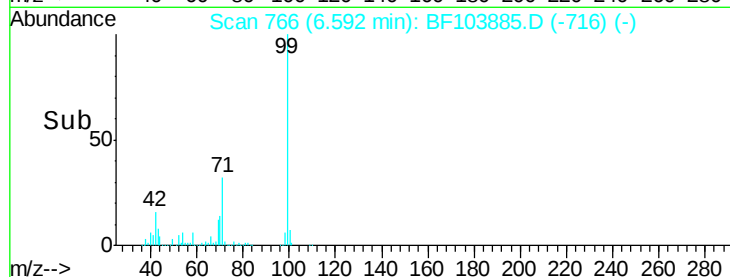
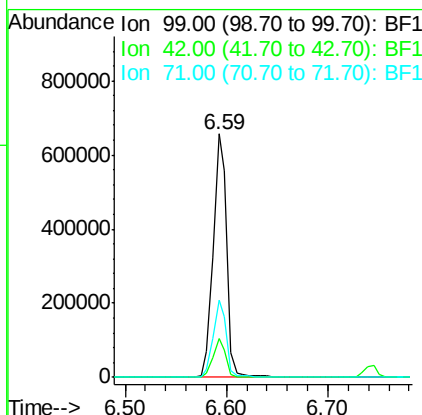
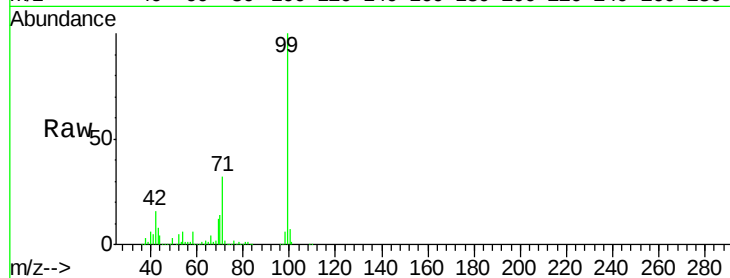
ClientSampled :

SB-109(2-3)

Tot Ion:	99	Resp:	612225
Ion Ratio	Lower	Upper	
99	100		
42	15.7	14.5	21.7
71	31.7	25.4	38.0

Manual Integrations
APPROVED

Sohil
3/26/2018 4:33:08 PM



#21

Naphthalene-d8

Concen: 20.000 ng

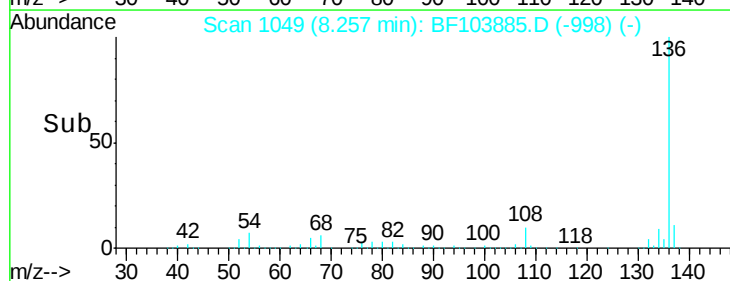
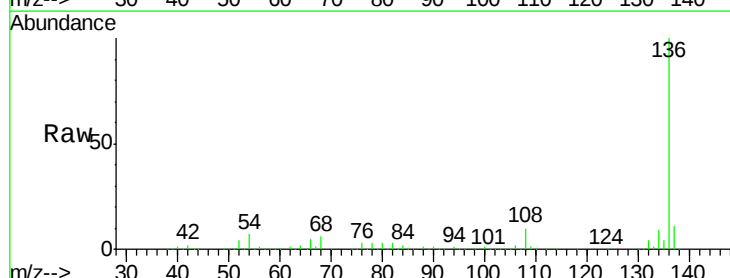
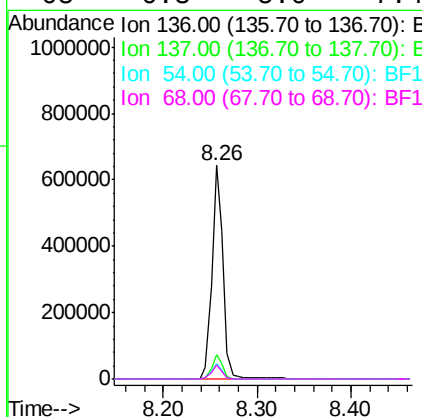
RT: 8.26 min Scan# 1049

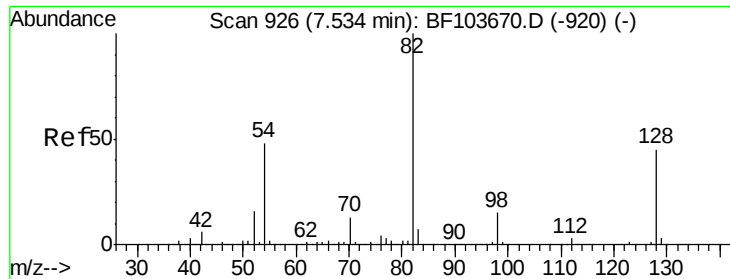
Delta R.T. -0.00 min

Lab File: BF103885.D

Acq: 23 Mar 2018 17:27

Tgt Ion:	136	Resp:	542985
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	7.4	6.6	9.8
68	6.3	5.0	7.4





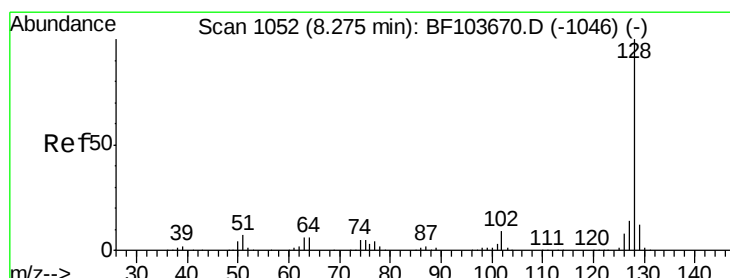
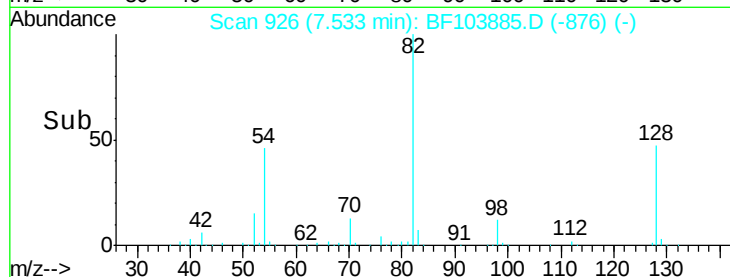
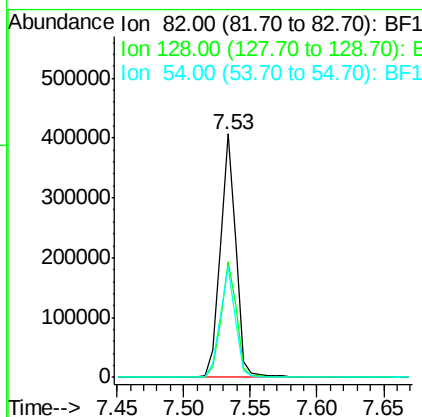
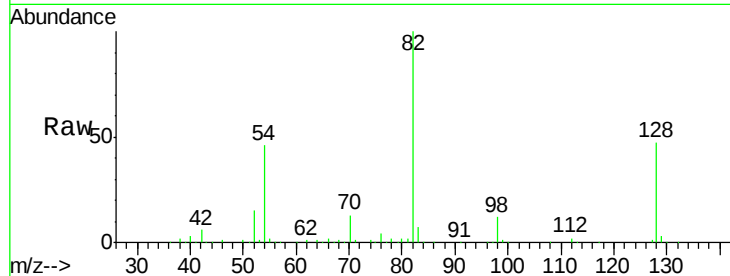
#23
 Nitrobenzene-d5
 Concen: 43.290 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF103885.D
 Acq: 23 Mar 2018 17:27

Instrument :
 BNA_F
 ClientSampled :
 SB-109(2-3)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.1	54.1
54	45.6	41.4	62.2

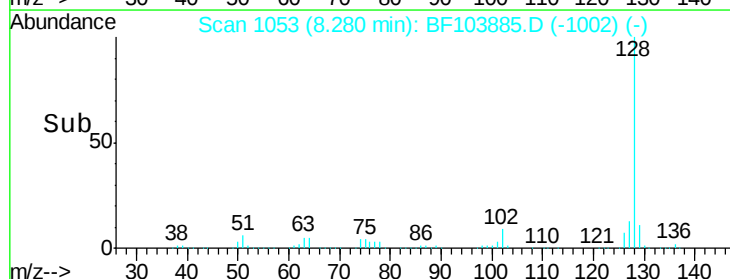
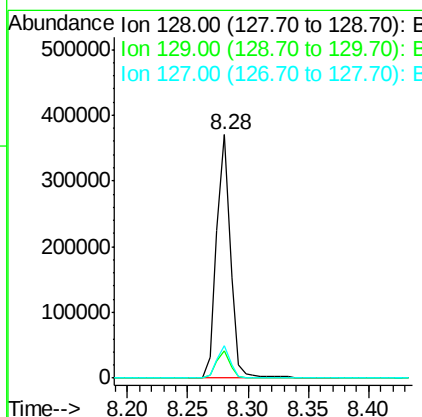
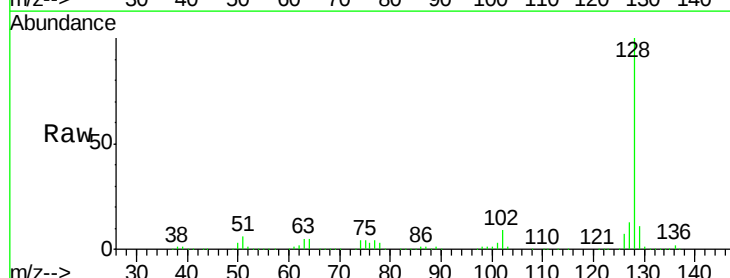
Manual Integrations
 APPROVED

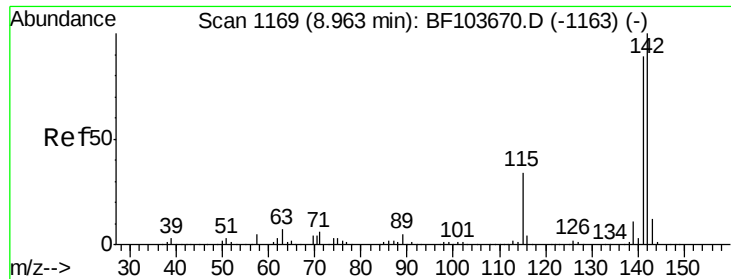
Sohil
 3/26/2018 4:33:08 PM



#31
 Naphthalene
 Concen: 10.665 ng
 RT: 8.28 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF103885.D
 Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.1	10.9	16.3





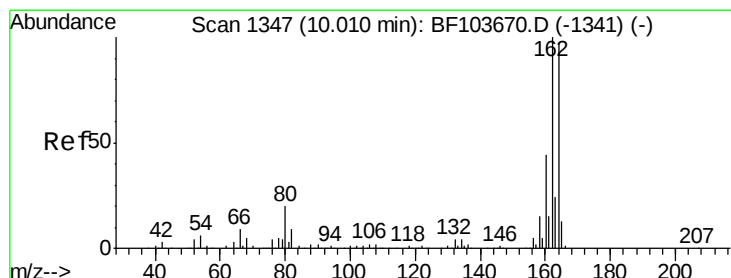
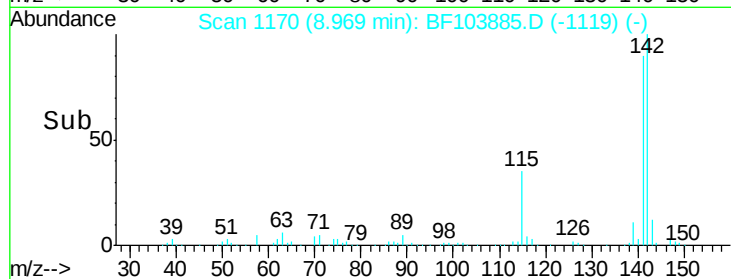
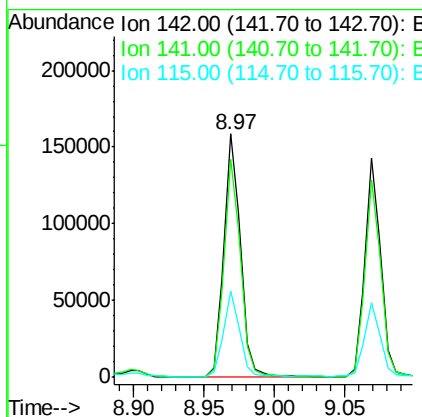
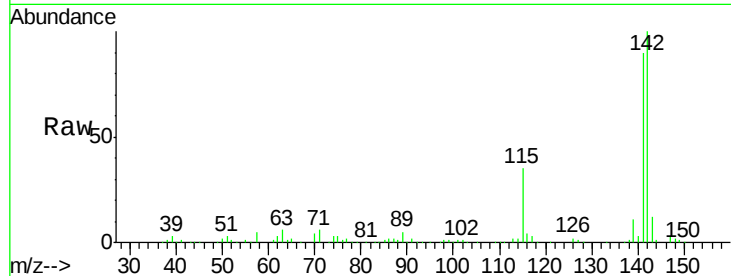
#37
2-Methylnaphthalene
Concen: 7.543 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Instrument :
BNA_F
ClientSampleId :
SB-109(2-3)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.8	106.2
115	35.4	26.1	39.1

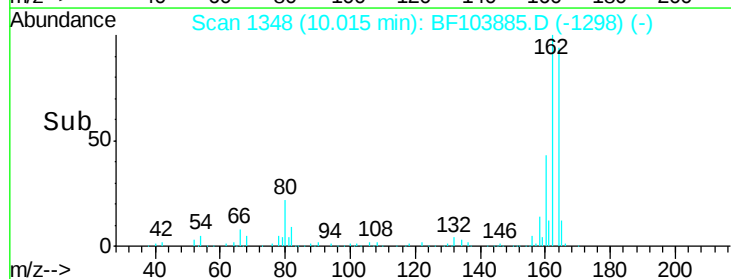
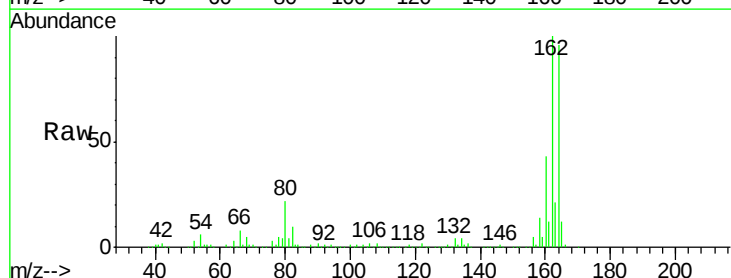
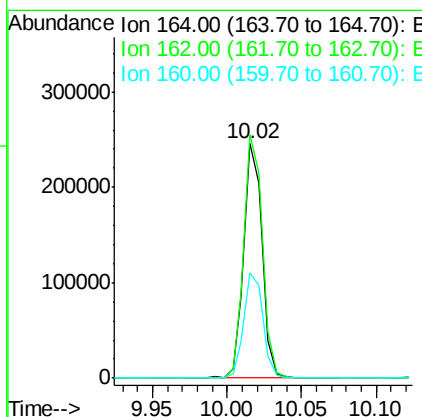
Manual Integrations
APPROVED

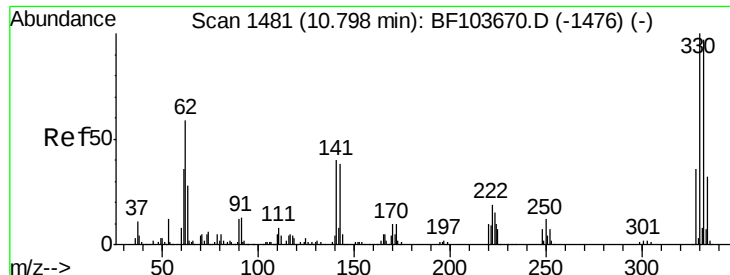
Sohil
3/26/2018 4:33:08 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	44.9	38.3	57.5





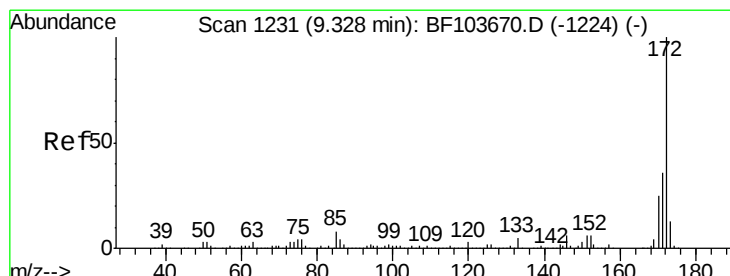
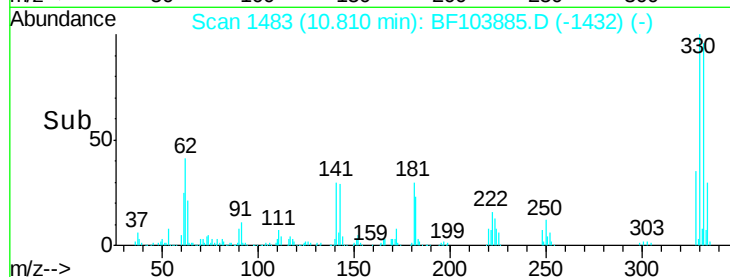
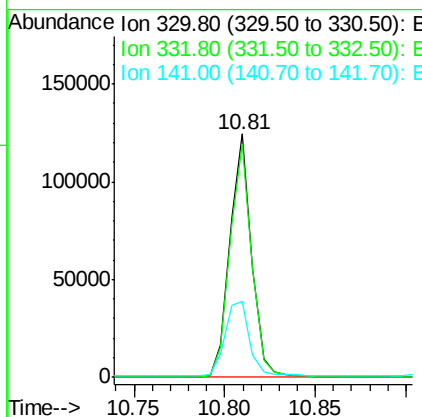
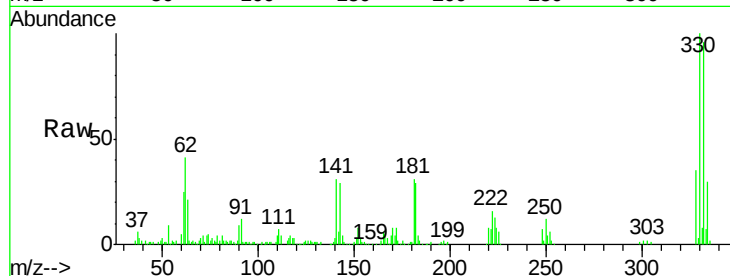
#41
 2,4,6-Tribromophenol
 Concen: 57.690 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103885.D
 Acq: 23 Mar 2018 17:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(2-3)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	34.8	29.9	44.9

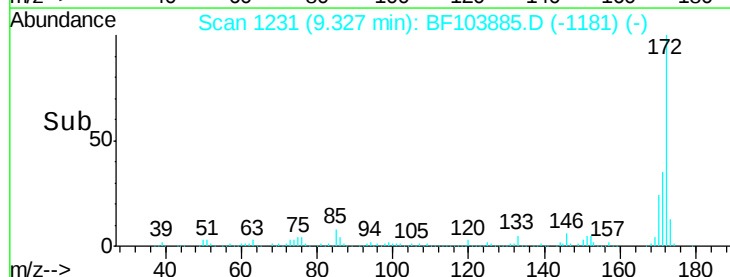
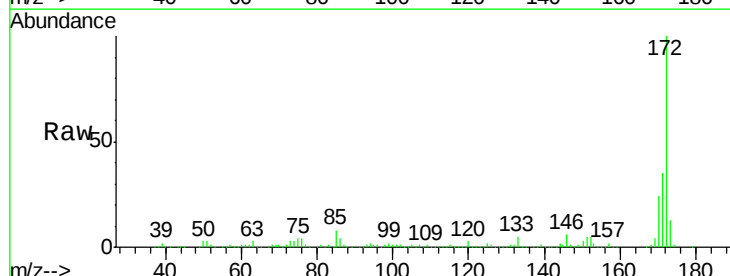
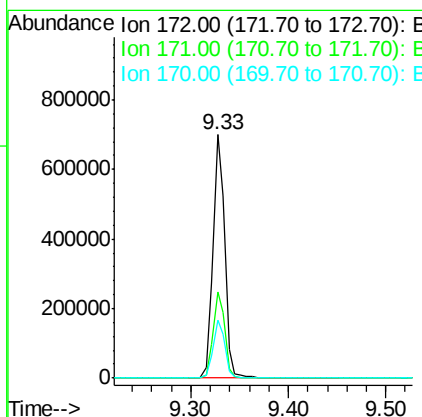
Manual Integrations
 APPROVED

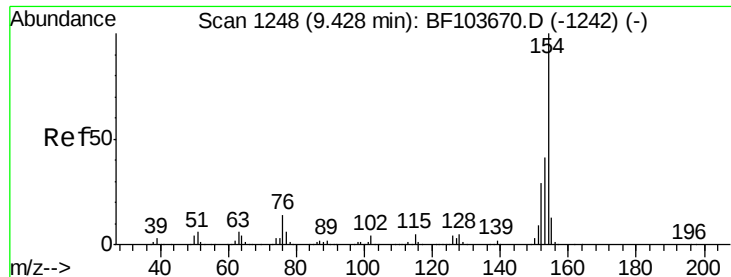
Sohil
 3/26/2018 4:33:08 PM



#44
 2-Fluorobiphenyl
 Concen: 44.344 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103885.D
 Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.6	19.6	29.4





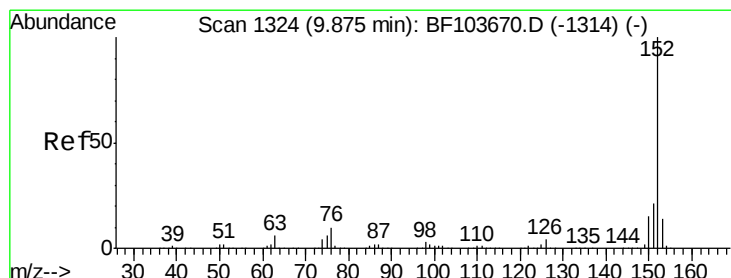
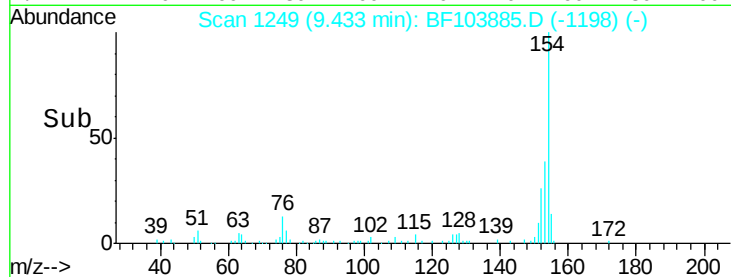
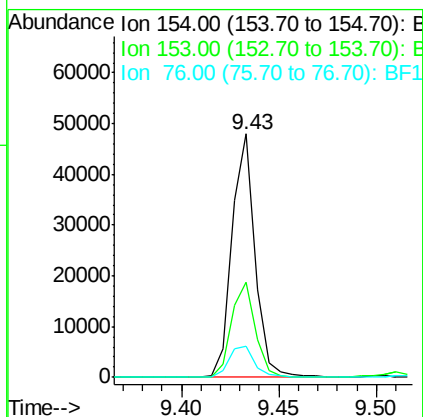
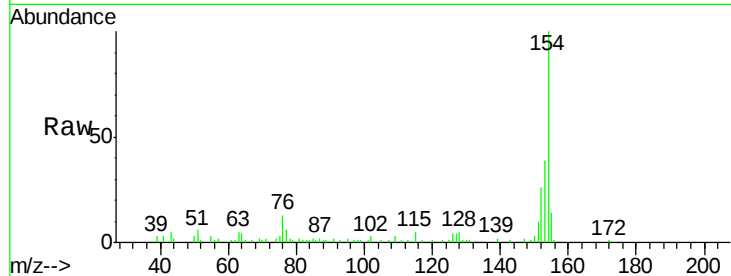
#45
 1,1'-Biphenyl
 Concen: 2.245 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BF103885.D
 Acq: 23 Mar 2018 17:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(2-3)

Tot Ion:	154	Resp:	39288
Ion Ratio	Lower	Upper	
154	100		
153	38.9	21.3	61.3
76	12.6	0.0	34.0

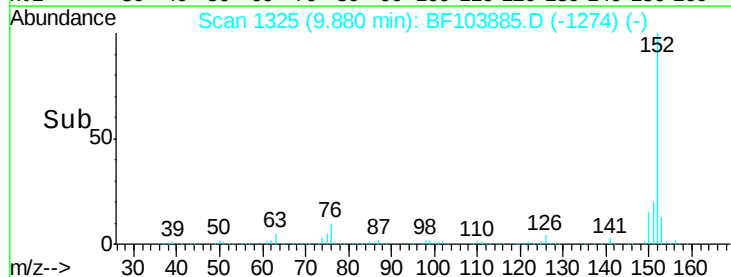
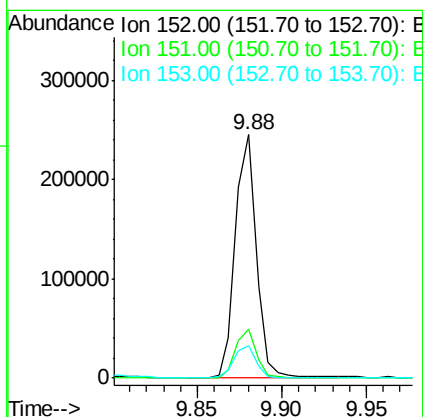
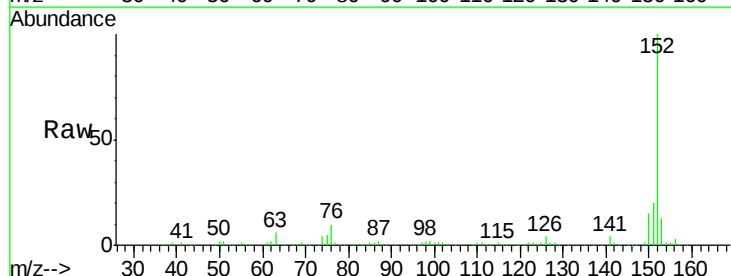
Manual Integrations
 APPROVED

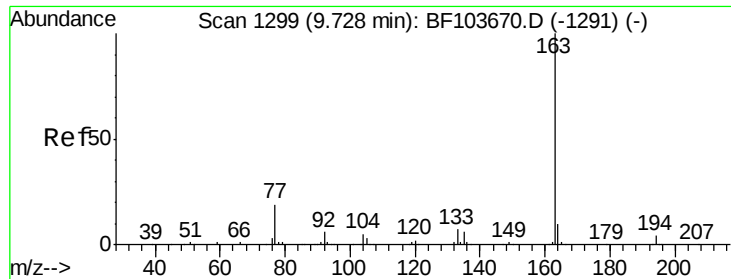
Sohil
 3/26/2018 4:33:08 PM



#48
 Acenaphthylene
 Concen: 9.959 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: BF103885.D
 Acq: 23 Mar 2018 17:27

Tgt Ion:	152	Resp:	214641
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	13.3	10.7	16.1





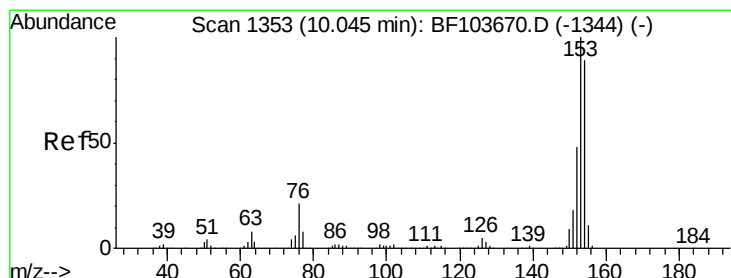
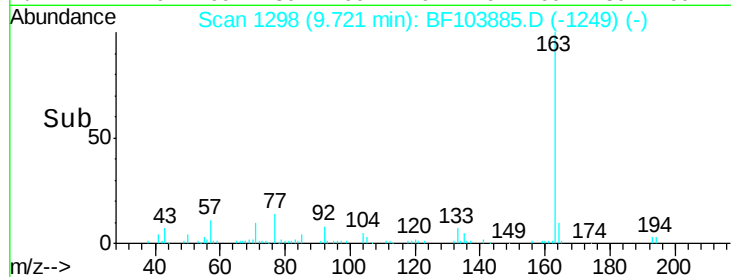
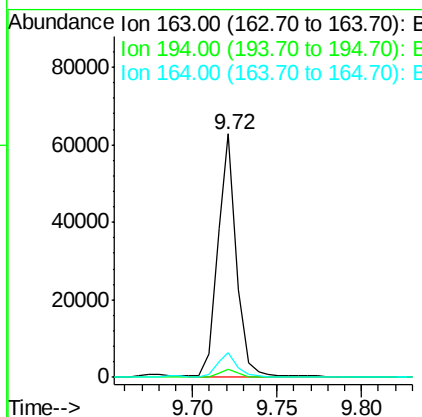
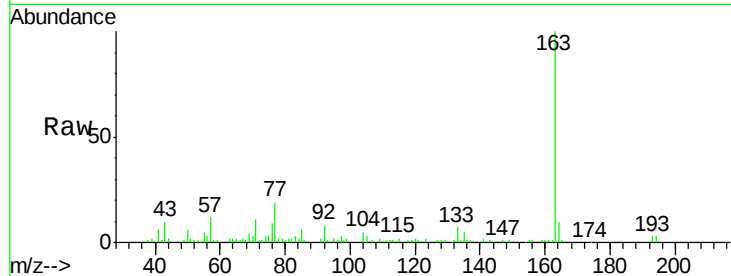
#49
Dimethylphthalate
Concen: 3.057 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Instrument :
BNA_F
ClientSampled :
SB-109(2-3)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.4	8.2	12.2

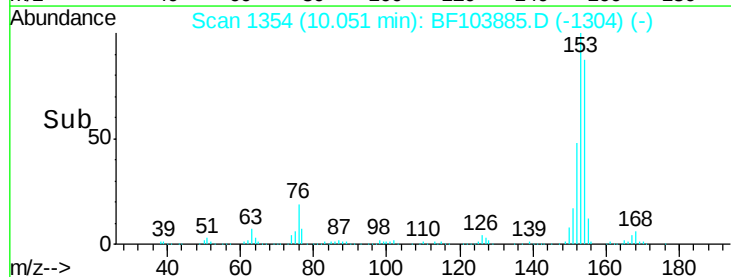
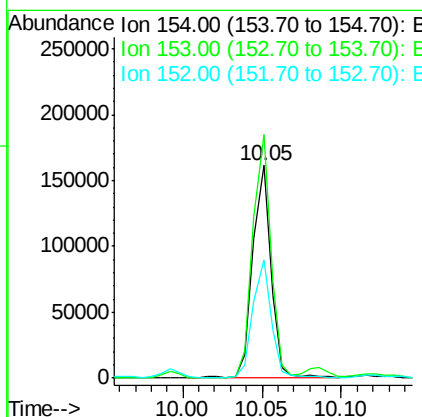
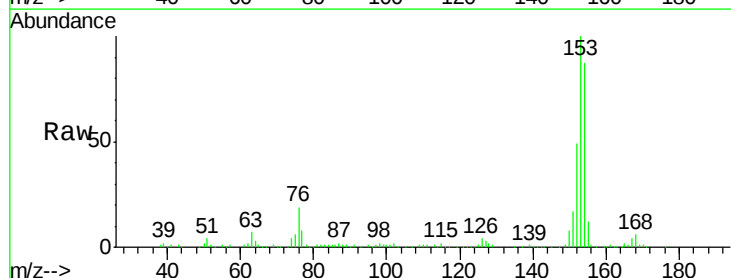
Manual Integrations
APPROVED

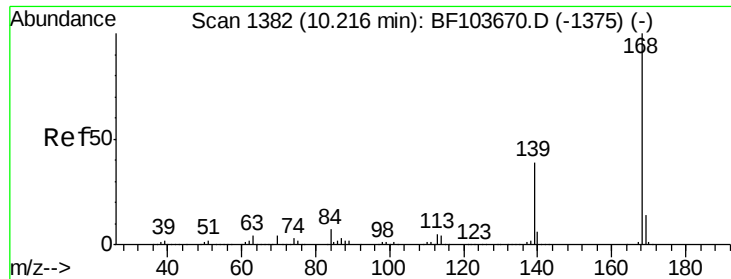
Sohil
3/26/2018 4:33:08 PM



#51
Acenaphthene
Concen: 10.020 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.6	91.2	136.8
152	55.6	43.8	65.8





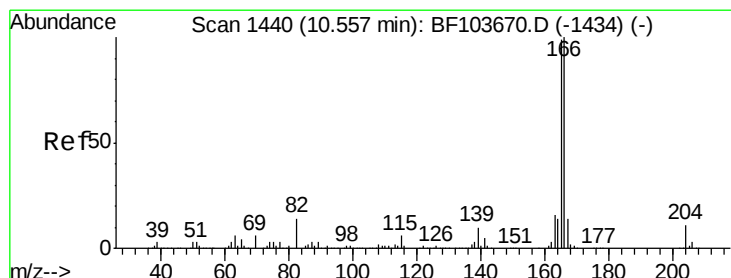
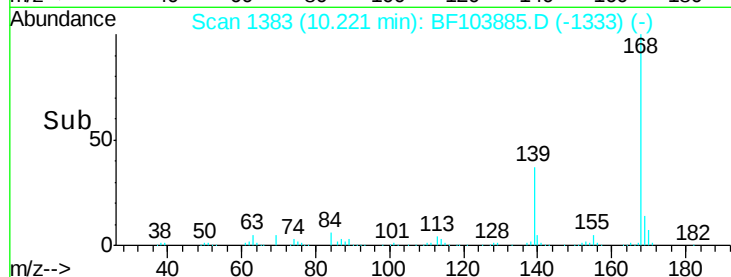
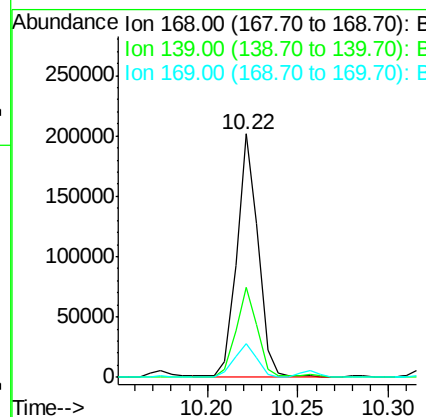
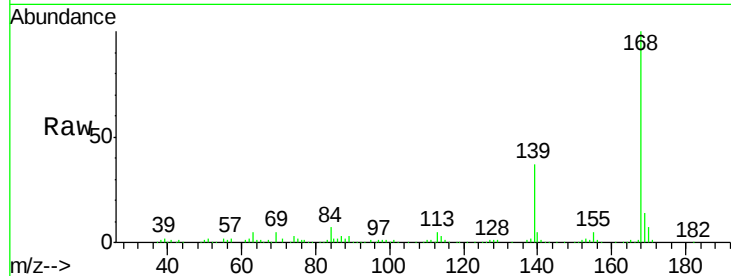
#54
Dibenzofuran
Concen: 8.905 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Instrument :
BNA_F
ClientSampled :
SB-109(2-3)

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.0	30.1	45.1
169	13.7	10.9	16.3

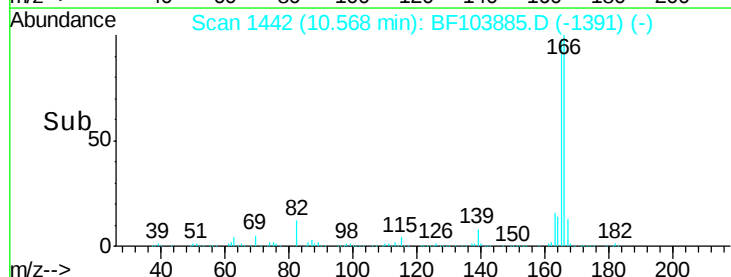
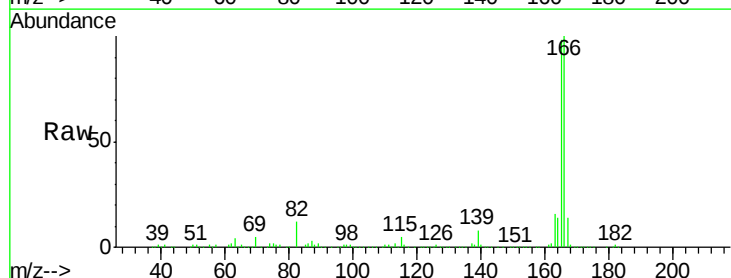
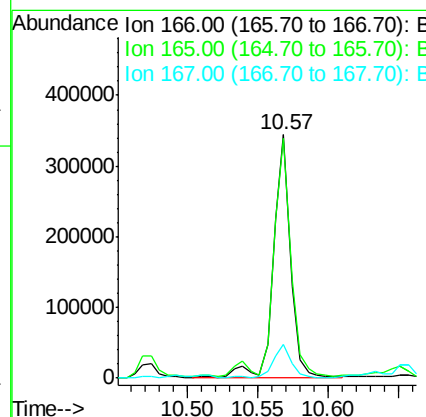
Manual Integrations
APPROVED

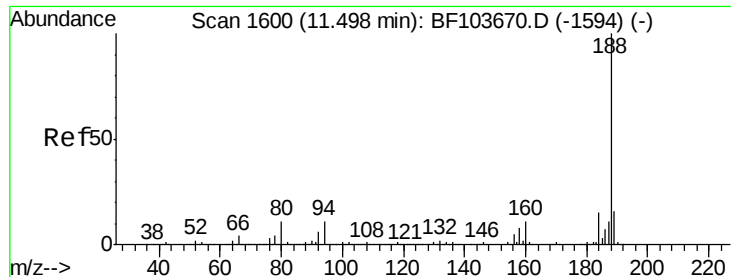
Sohil
3/26/2018 4:33:08 PM



#57
Fluorene
Concen: 20.837 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.8	119.8
167	13.6	10.6	16.0





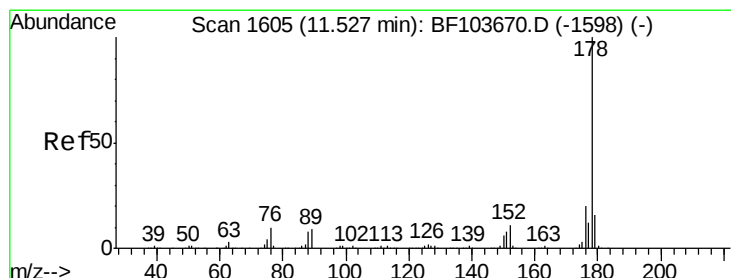
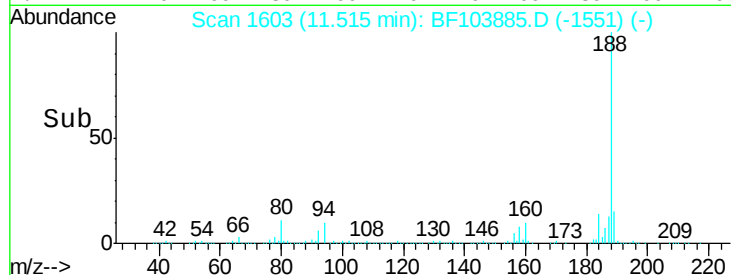
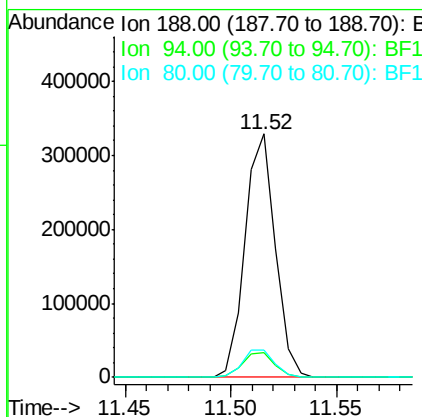
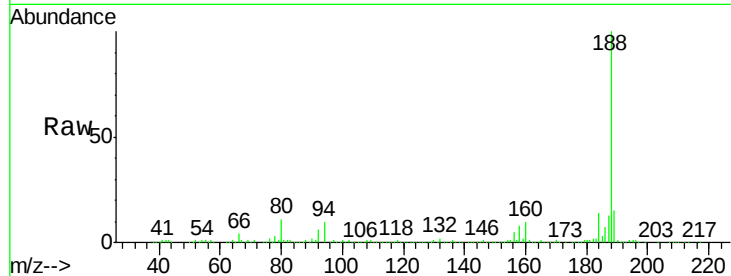
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.01 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Instrument :
BNA_F
ClientSampled :
SB-109(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	327040		
94	10.0		8.5	12.7
80	11.4		9.2	13.8

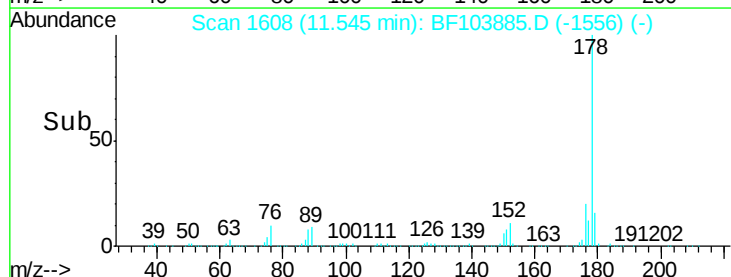
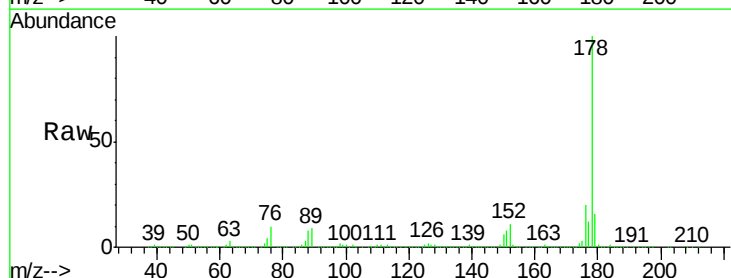
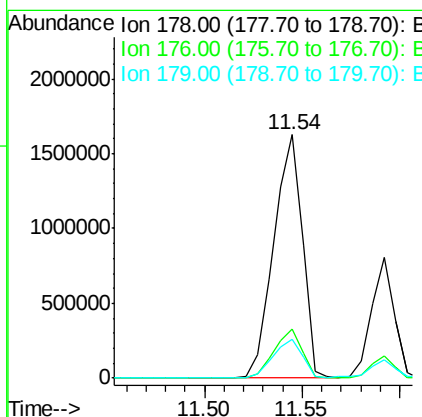
Manual Integrations
APPROVED

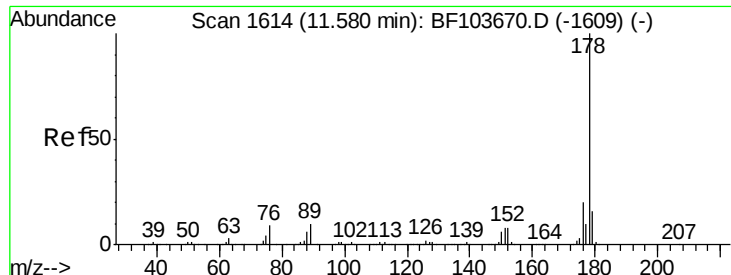
Sohil
3/26/2018 4:33:08 PM



#70
Phenanthrene
Concen: 92.547 ng
RT: 11.54 min Scan# 1608
Delta R.T. 0.01 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1655651		
176	20.3		15.8	23.8
179	16.0		13.0	19.6





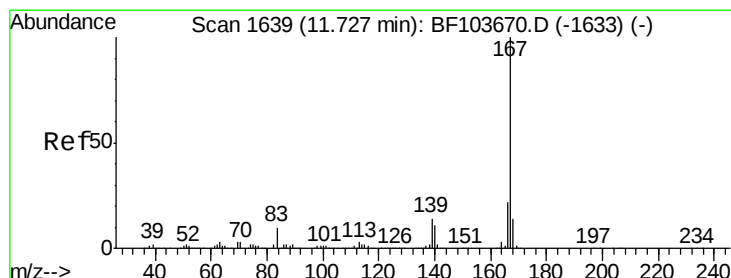
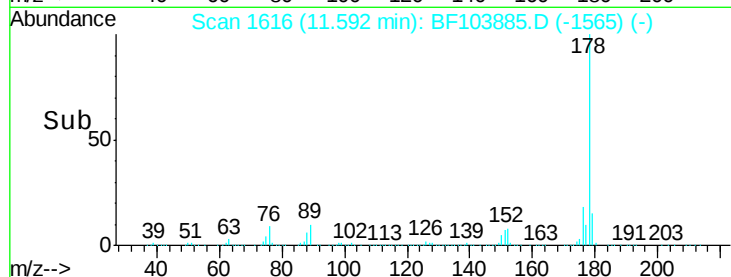
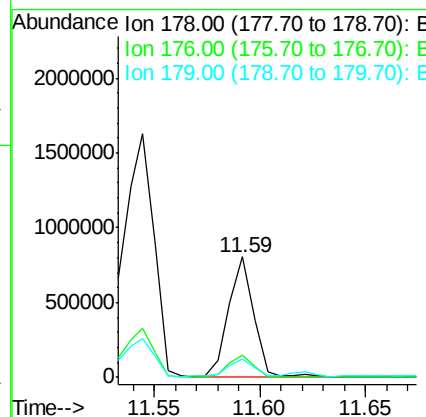
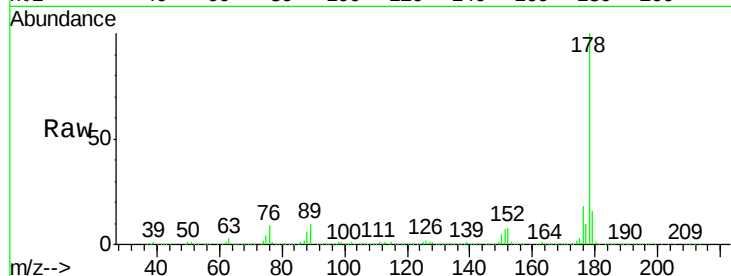
#71
 Anthracene
 Concen: 36.090 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BF103885.D
 Acq: 23 Mar 2018 17:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(2-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.6	12.6	19.0

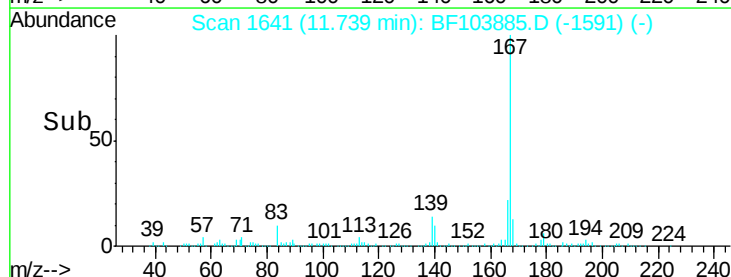
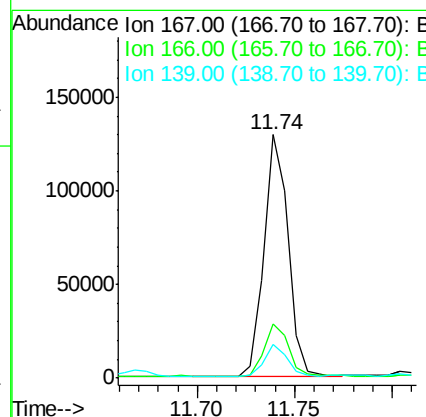
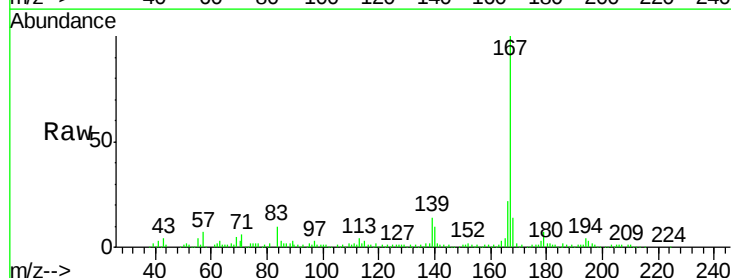
Manual Integrations
 APPROVED

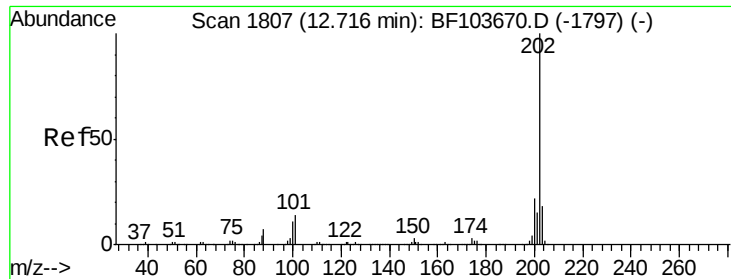
Sohil
 3/26/2018 4:33:08 PM



#72
 Carbazole
 Concen: 6.290 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BF103885.D
 Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	13.9	10.9	16.3





#74

Fluoranthene

Concen: 99.315 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BF103885.D

Acq: 23 Mar 2018 17:27

Instrument :

BNA_F

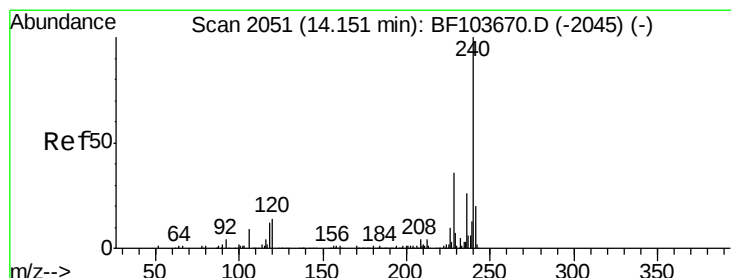
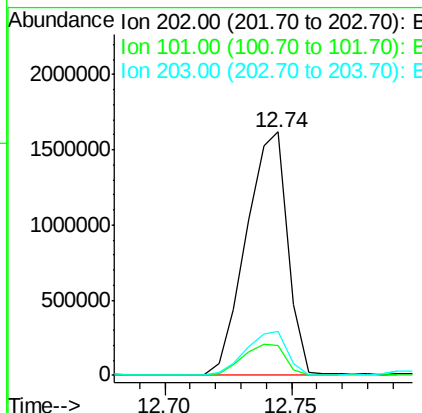
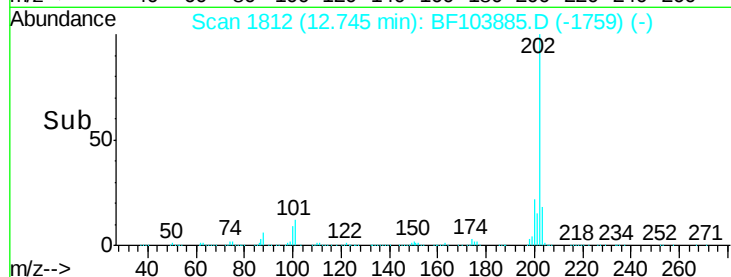
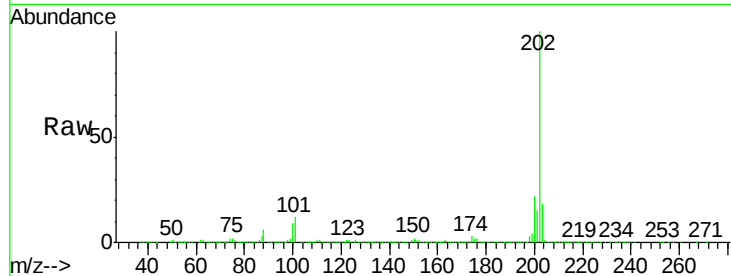
ClientSampleId :

SB-109(2-3)

Tot Ion:	202	Resp:	1830444
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	18.0	0.0	38.1

Manual Integrations
APPROVED

Sohil
3/26/2018 4:33:08 PM



#75

Chrysene-d12

Concen: 20.000 ng

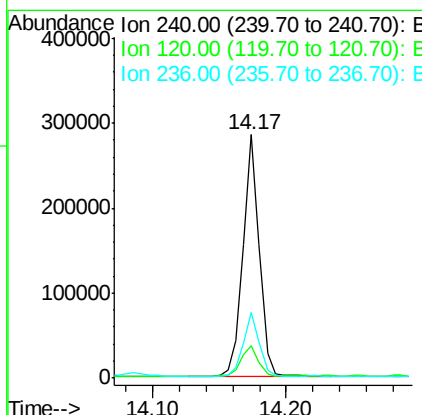
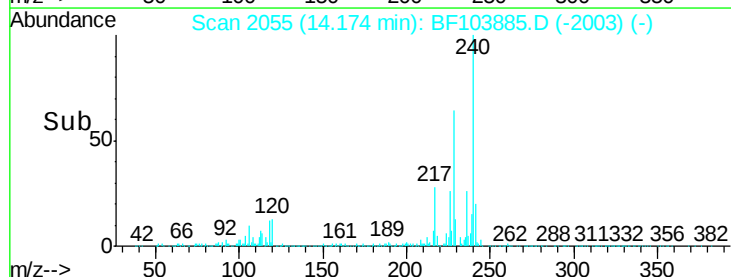
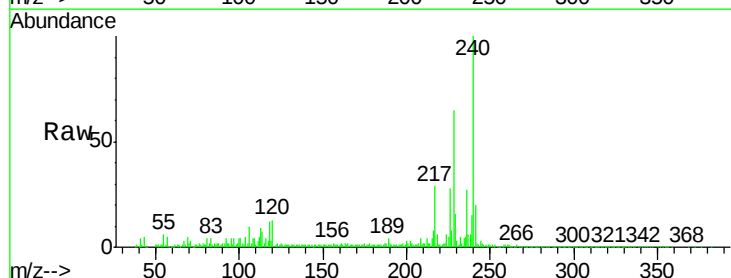
RT: 14.17 min Scan# 2055

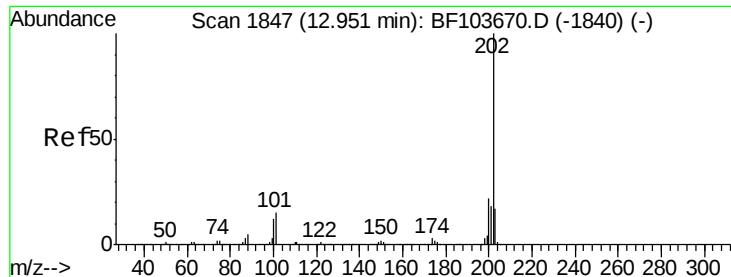
Delta R.T. 0.01 min

Lab File: BF103885.D

Acq: 23 Mar 2018 17:27

Tgt Ion:	240	Resp:	244341
Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	26.8	20.7	31.1





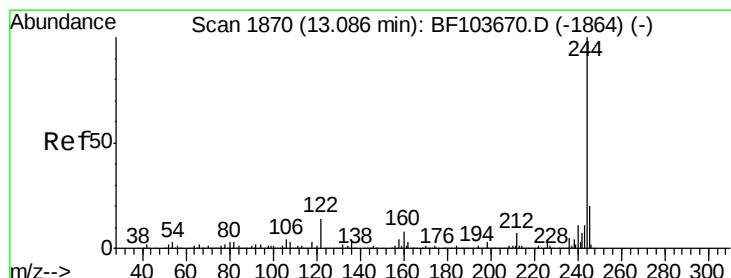
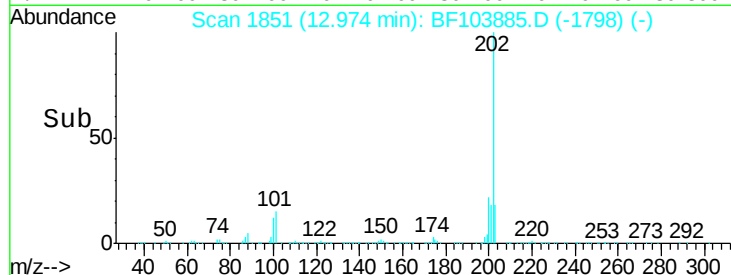
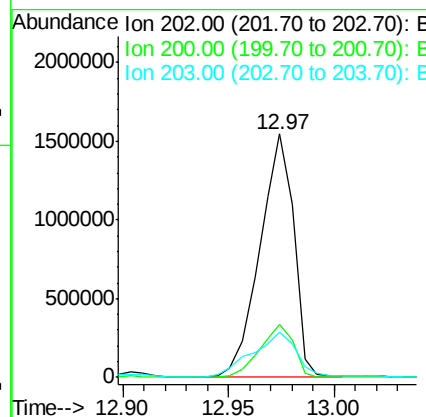
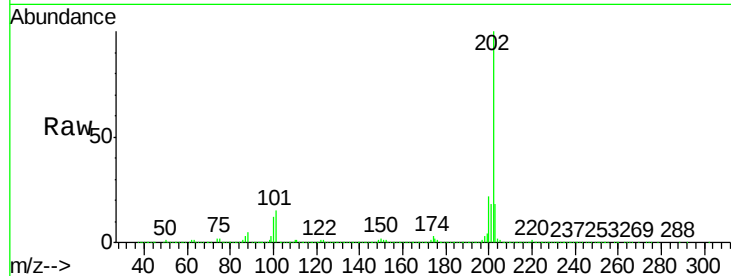
#77
Pvrene
Concen: 95.609 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.01 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Instrument :
BNA_F
ClientSampleId :
SB-109(2-3)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.3	14.3	21.5

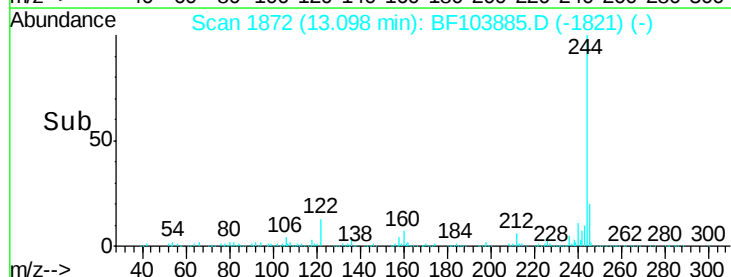
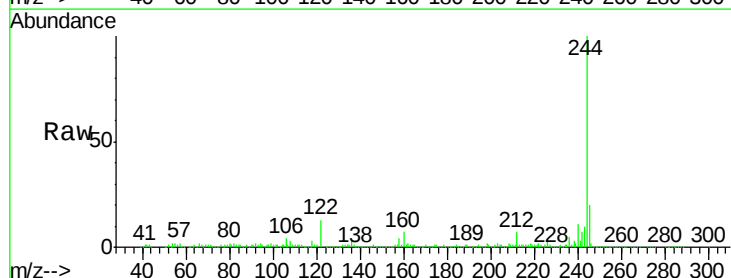
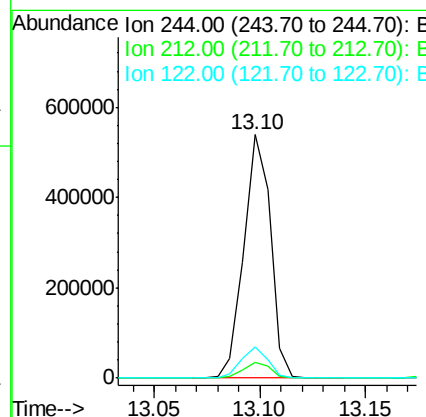
Manual Integrations
APPROVED

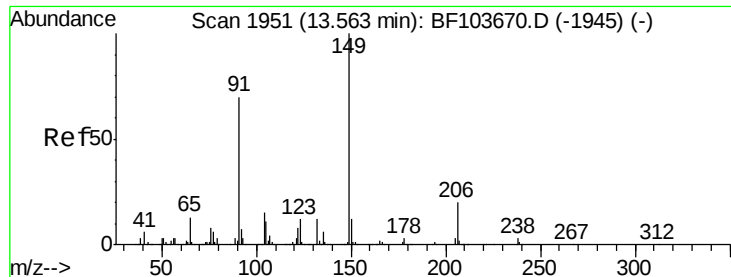
Sohil
3/26/2018 4:33:08 PM



#78
Terphenyl-d14
Concen: 44.423 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.0	11.0	16.4





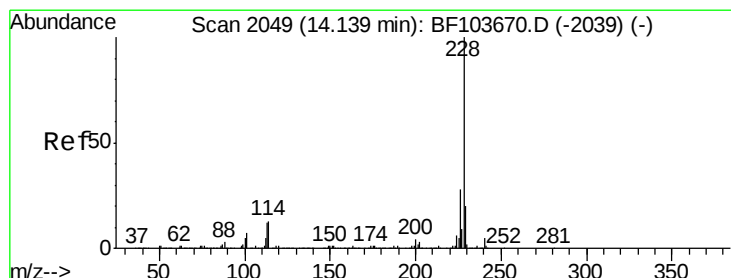
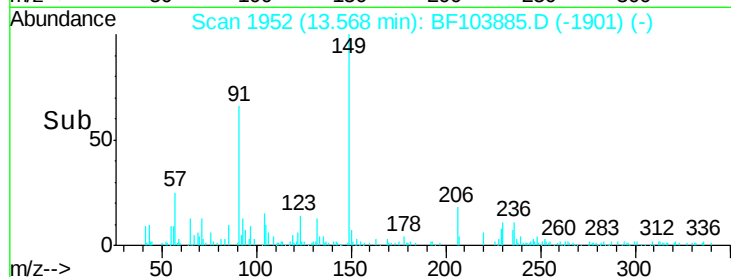
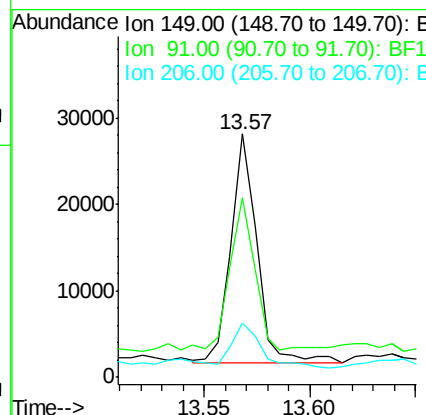
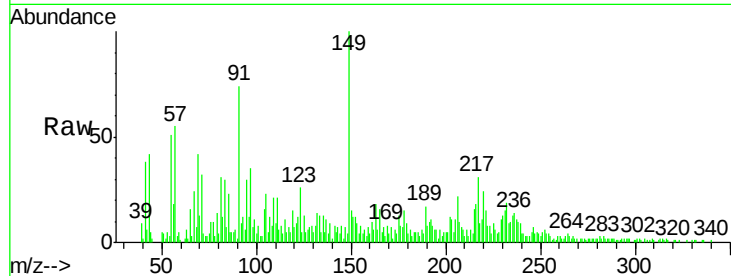
#79
Butylbenzylphthalate
Concen: 2.838 ng
RT: 13.57 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Instrument :
BNA_F
ClientSampleId :
SB-109(2-3)

Tot Ion	Ratio	Lower	Upper
149	100		
91	73.7	56.8	85.2
206	22.2	14.1	21.1

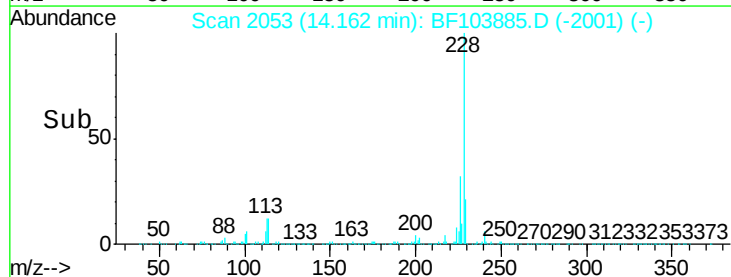
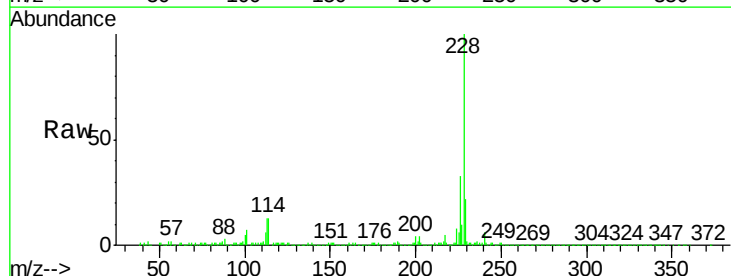
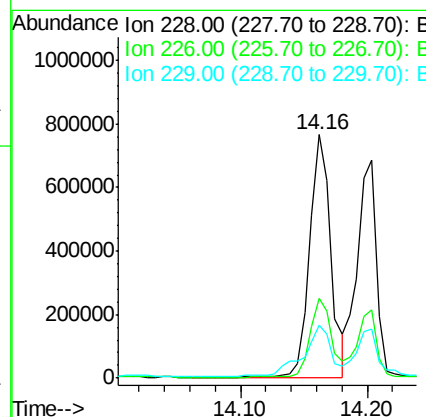
Manual Integrations
APPROVED

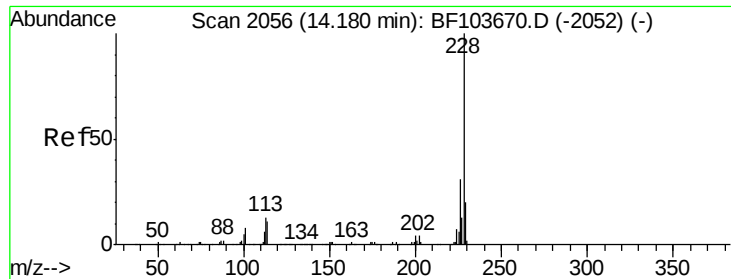
Sohil
3/26/2018 4:33:08 PM



#80
Benzo(a)anthracene
Concen: 57.332 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.01 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.6	33.8
229	21.6	15.8	23.6





#82

Chrysene

Concen: 48.884 ng

RT: 14.20 min Scan# 2060

Delta R.T. 0.01 min

Lab File: BF103885.D

Acq: 23 Mar 2018 17:27

Instrument :

BNA_F

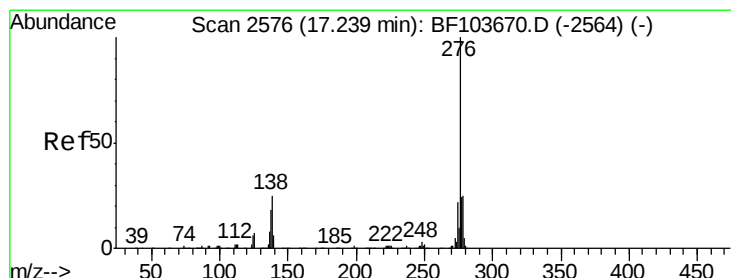
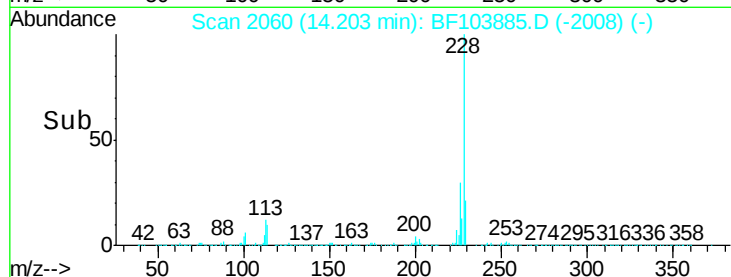
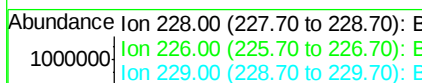
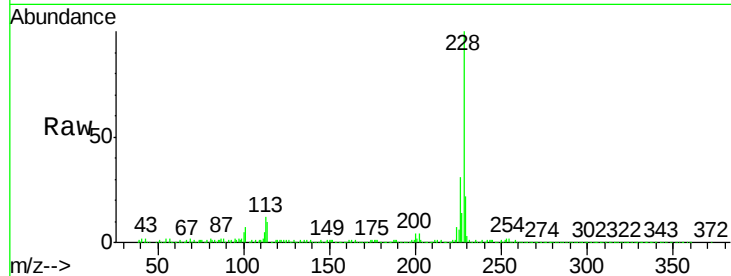
ClientSampleId :

SB-109(2-3)

Tot Ion:	228	Resp:	720736
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	22.5	16.2	24.4

Manual Integrations
APPROVED

Sohil
3/26/2018 4:33:08 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 23.308 ng

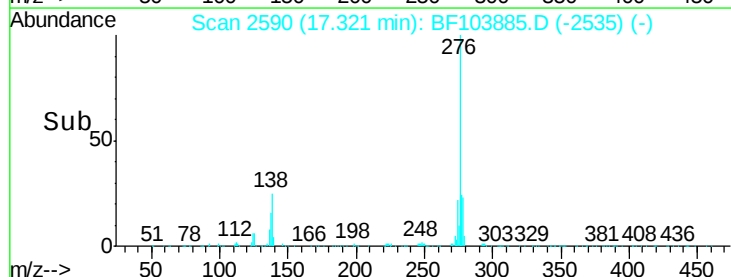
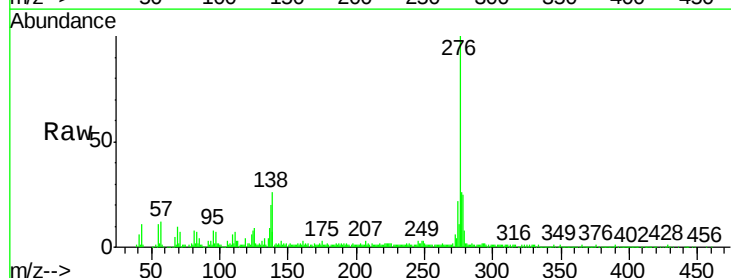
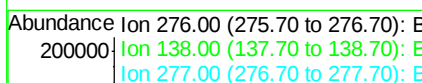
RT: 17.32 min Scan# 2590

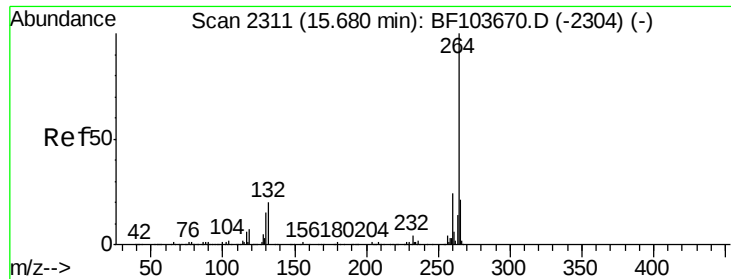
Delta R.T. 0.02 min

Lab File: BF103885.D

Acq: 23 Mar 2018 17:27

Tgt Ion:	276	Resp:	300110
Ion Ratio	Lower	Upper	
276	100		
138	24.7	25.0	37.6#
277	25.0	20.1	30.1





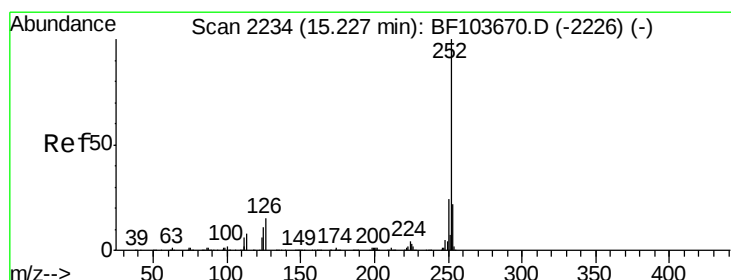
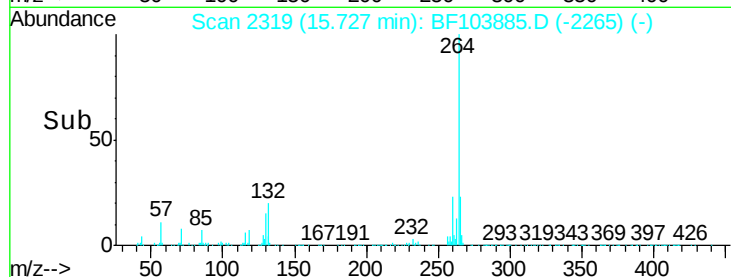
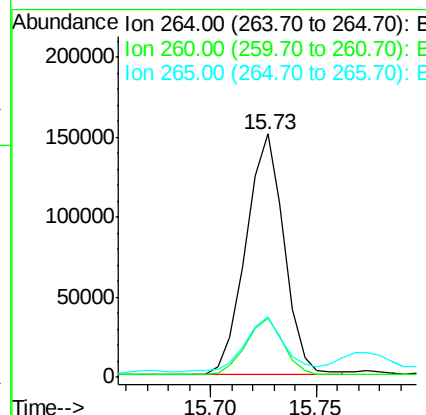
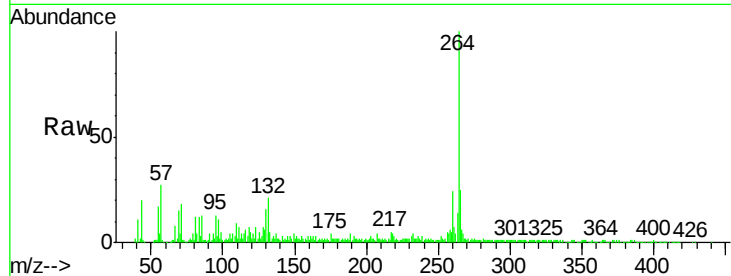
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.73 min Scan# 2319
Delta R.T. 0.02 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Instrument :
BNA_F
ClientSampleId :
SB-109(2-3)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	24.8	17.5	26.3

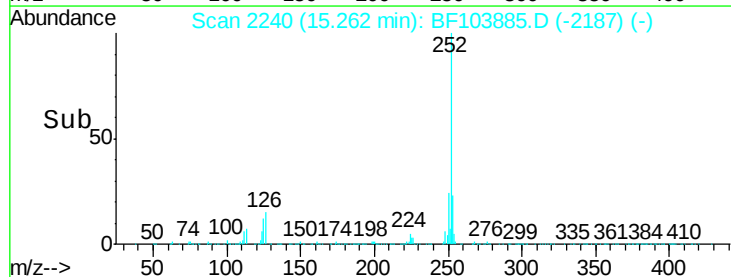
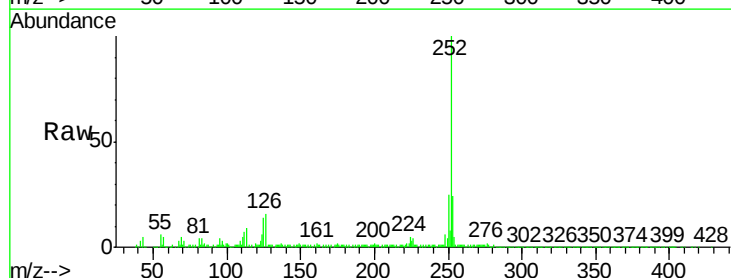
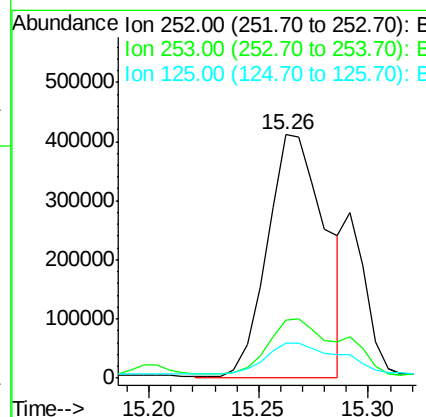
Manual Integrations
APPROVED

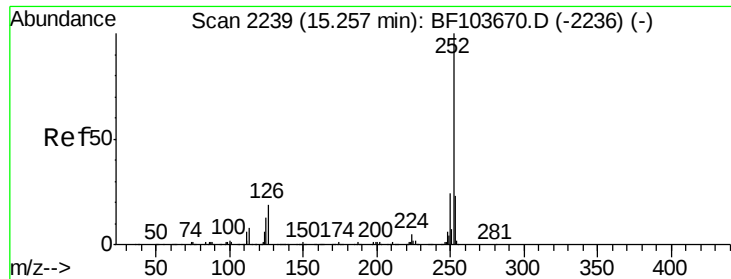
Sohil
3/26/2018 4:33:08 PM



#87
Benzo(b)fluoranthene
Concen: 63.812 ng m
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	14.2	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 17.585 ng/mL

RT: 15.29 min Scan# 2245

Delta R.T. 0.01 min

Lab File: BF103885.D

Acq: 23 Mar 2018 17:27

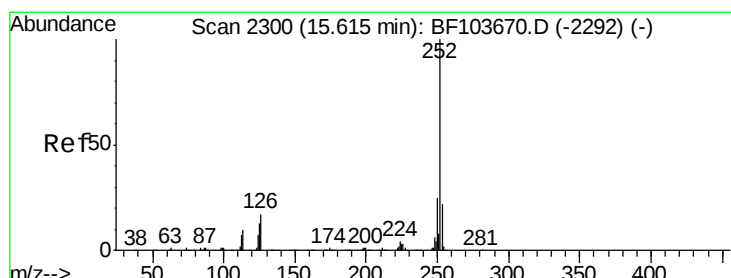
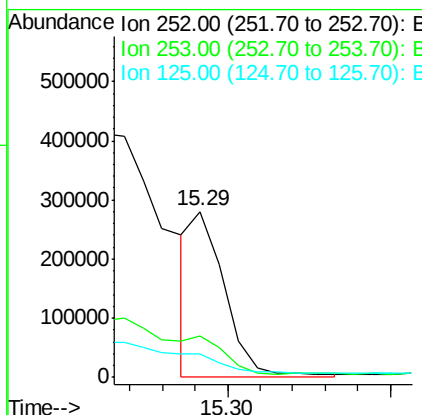
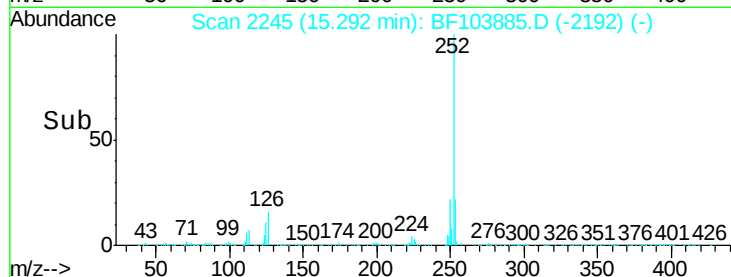
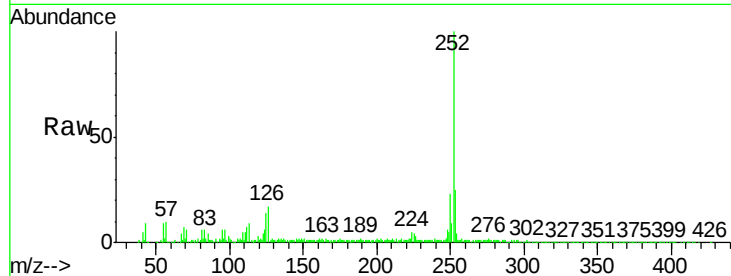
Instrument :
BNA_F

Client Sampled :
SB-109(2-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	13.8	10.2	15.2

Manual Integrations
APPROVED

Sohil
3/26/2018 4:33:08 PM



#89

Benzo(a)pyrene

Concen: 49.386 ng/mL

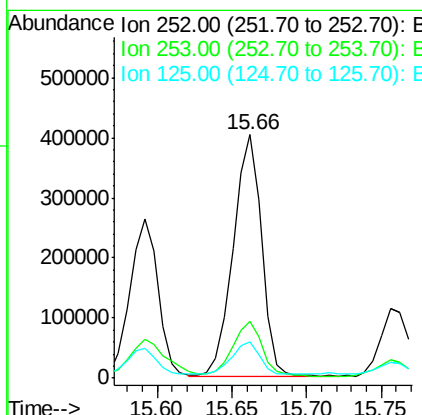
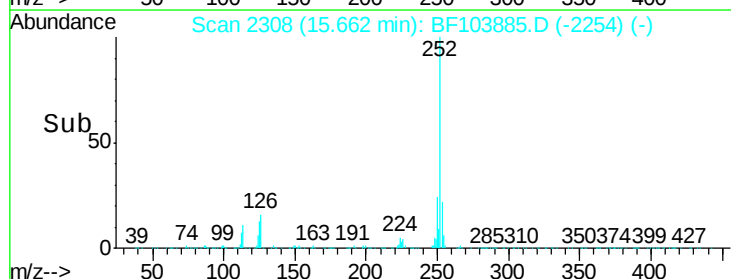
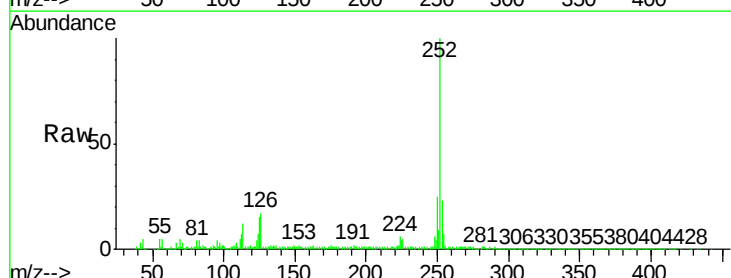
RT: 15.66 min Scan# 2308

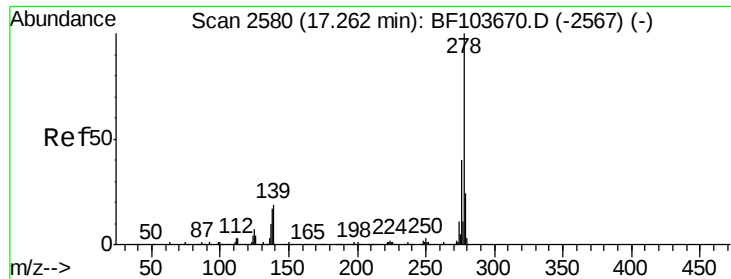
Delta R.T. 0.02 min

Lab File: BF103885.D

Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	14.8	9.8	14.6





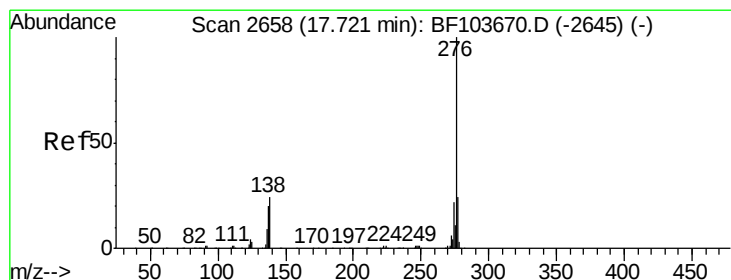
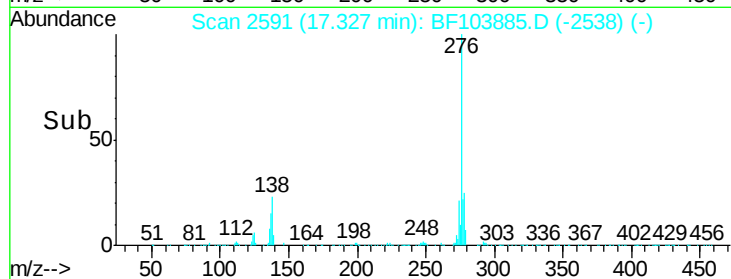
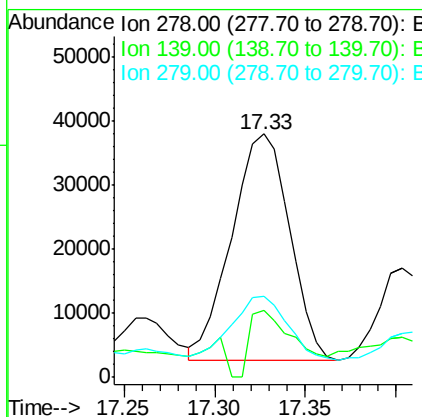
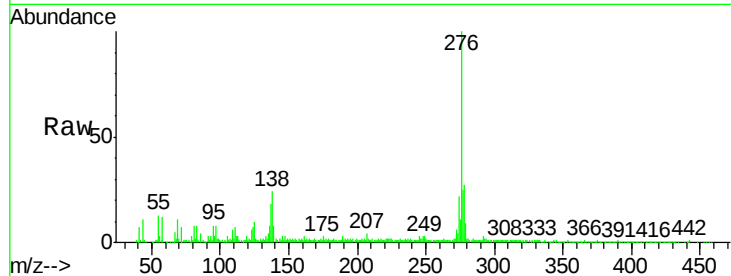
#90
Dibenzo(a,h)anthracene
Concen: 8.422 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.01 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Instrument :
BNA_F
ClientSampleId :
SB-109(2-3)

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.7	15.9	23.9#
279	33.5	19.0	28.4#

Manual Integrations
APPROVED

Sohil
3/26/2018 4:33:08 PM



#91
Benzo(g,h,i)perylene
Concen: 31.942 ng
RT: 17.81 min Scan# 2674
Delta R.T. 0.03 min
Lab File: BF103885.D
Acq: 23 Mar 2018 17:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	23.5	21.8	32.8

