

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103406.D
 Acq On : 5 Mar 2018 13:43
 Operator : SJ/JU
 Sample : J1751-07 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-D

Manual Integrations
 APPROVED

Sohil
 3/6/2018 4:22:48 PM

Quant Time: Mar 05 15:21:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	137015	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	581027	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	255887	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	404779	20.00	ng	0.00
75) Chrysene-d12	14.07	240	252797	20.00	ng	0.00
86) Perylene-d12	15.58	264	228631	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	437654	48.31	ng	0.00
7) Phenol-d6	6.51	99	546233	49.28	ng	-0.01
23) Nitrobenzene-d5	7.43	82	322545	31.70	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	81022	37.41	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	476792	26.27	ng	0.00
78) Terphenyl-d14	12.99	244	336893	32.04	ng	0.00

Target Compounds				Qvalue		
37) 2-Methylnaphthalene	8.87	142	46762	2.544	ng	98
49) Dimethylphthalate	9.62	163	149940	7.304	ng	99
51) Acenaphthene	9.95	154	125378	8.238	ng	98
54) Dibenzofuran	10.12	168	178922	8.564	ng	98
57) Fluorene	10.46	166	242392	13.620	ng	100
70) Phenanthrene	11.44	178	1137860	51.080	ng	99
71) Anthracene	11.49	178	481987	21.100	ng	100
72) Carbazole	11.64	167	95301	4.189	ng	99
74) Fluoranthene	12.63	202	1167123	52.138	ng	98
77) Pyrene	12.86	202	999290	50.701	ng	100
80) Benzo(a)anthracene	14.06	228	513932	31.333	ng	99
82) Chrysene	14.09	228	396517	24.897	ng	98
85) Indeno(1,2,3-cd)pyrene	17.13	276	139810	11.089	ng	97
87) Benzo(b)fluoranthene	15.14	252	496543m	33.032	ng	
88) Benzo(k)fluoranthene	15.16	252	128223m	9.058	ng	
89) Benzo(a)pyrene	15.52	252	316817	23.601	ng	96
90) Dibenzo(a,h)anthracene	17.13	278	38581	3.719	ng	# 77
91) Benzo(g,h,i)perylene	17.60	276	128180	12.644	ng	97

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

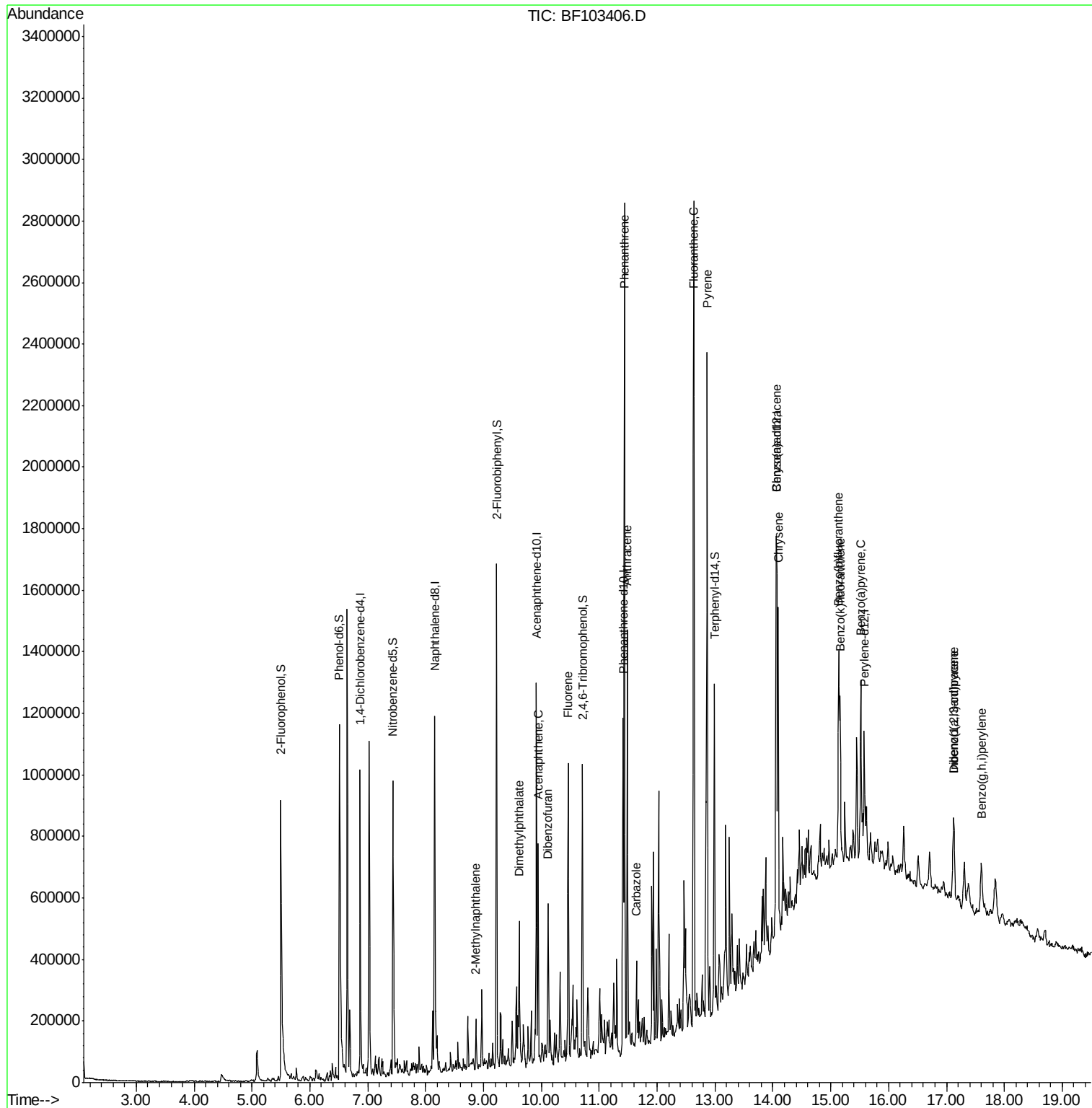
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

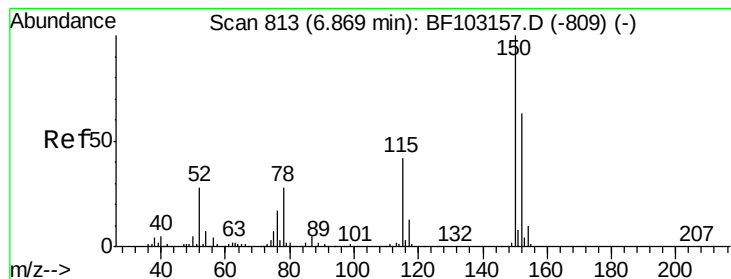
Instrument :
BNA_F
ClientSampleId :
JC-02-030118-D

Manual Integrations
APPROVED

Sohil
3/6/2018 4:22:48 PM

Quant Time: Mar 05 15:21:49 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 05 13:40:47 2018
Response via : Initial Calibration





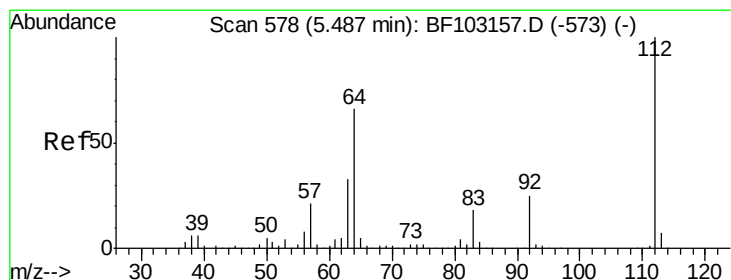
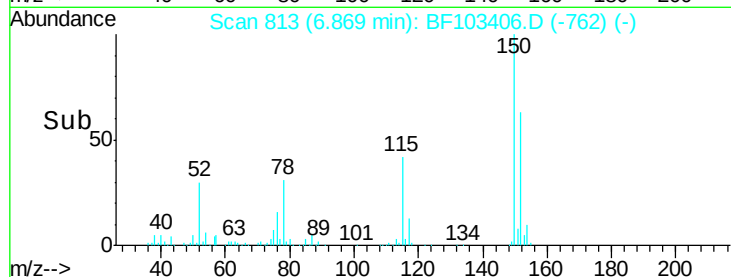
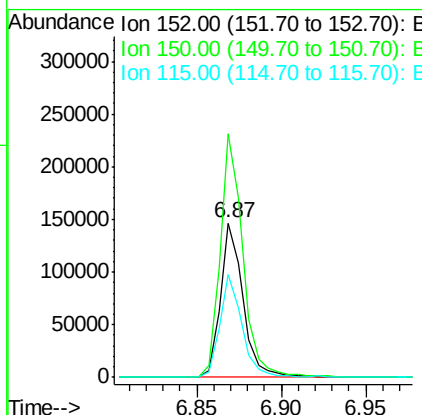
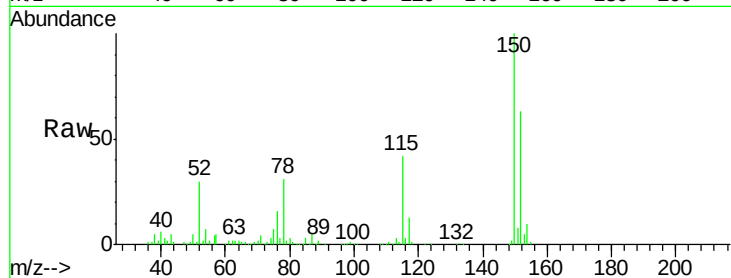
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF103406.D
 Acq: 5 Mar 2018 13:43

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	67.0	50.1	75.1

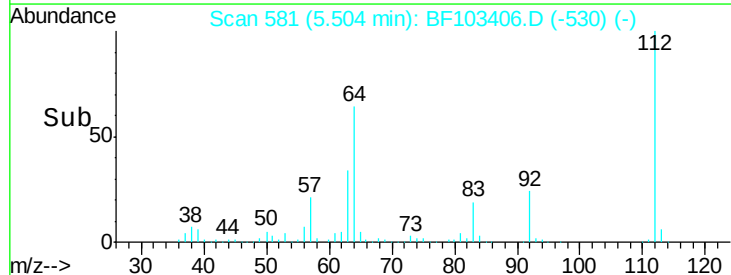
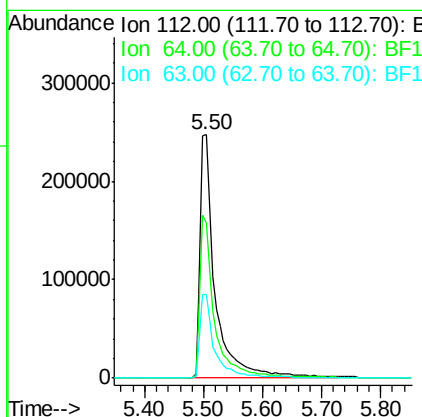
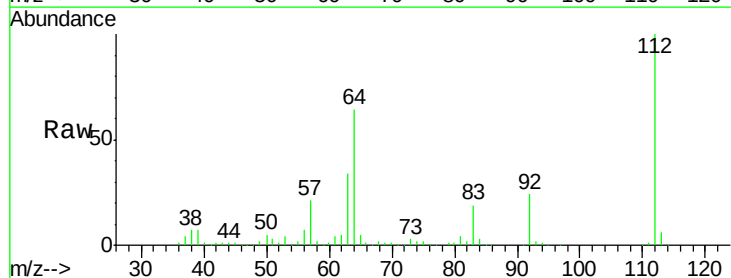
Manual Integrations
 APPROVED

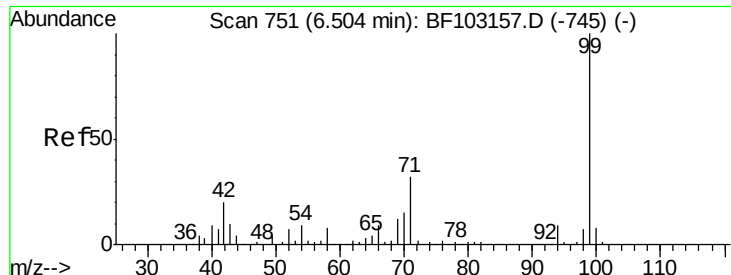
Sohil
 3/6/2018 4:22:48 PM



#5
 2-Fluorophenol
 Concen: 48.310 ng
 RT: 5.50 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: BF103406.D
 Acq: 5 Mar 2018 13:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	47.9	71.9
63	34.1	23.7	35.5





#7

Phenol-d6

Concen: 49.275 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103406.D

Acq: 5 Mar 2018 13:43

Instrument :

BNA_F

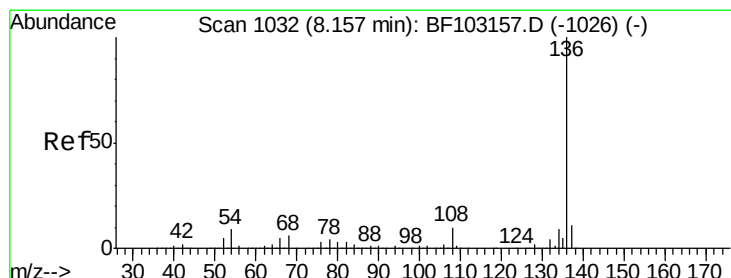
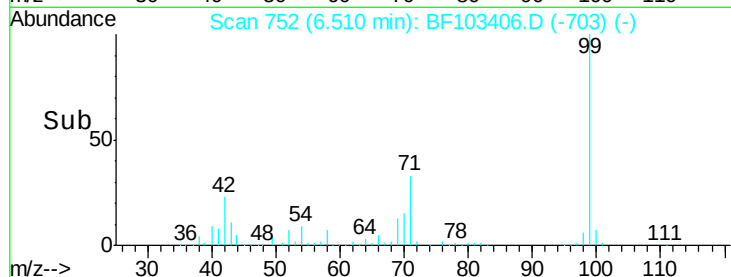
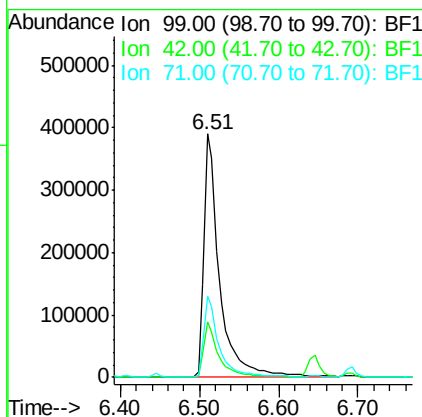
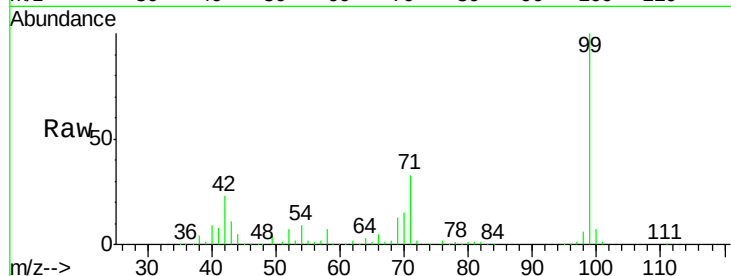
ClientSampleId :

JC-02-030118-D

Tot Ion:	99	Resp:	546233
Ion Ratio	Lower	Upper	
99	100		
42	22.7	14.5	21.7#
71	33.4	25.4	38.0

Manual Integrations
APPROVED

Sohil
3/6/2018 4:22:48 PM



#21

Naphthalene-d8

Concen: 20.000 ng

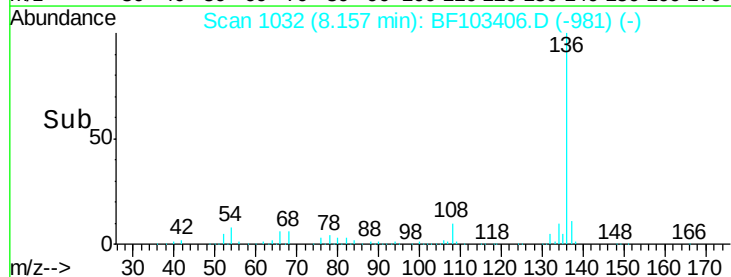
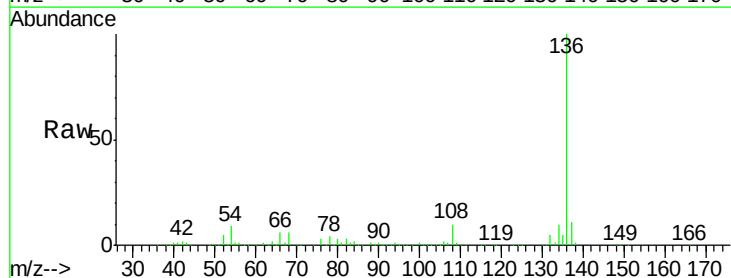
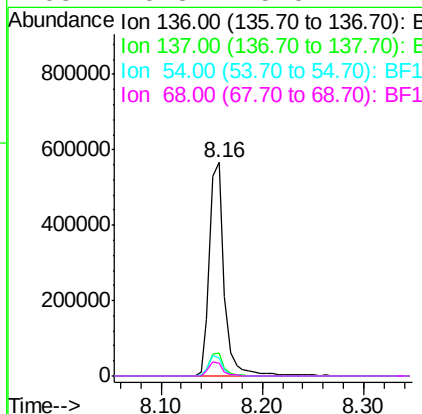
RT: 8.16 min Scan# 1032

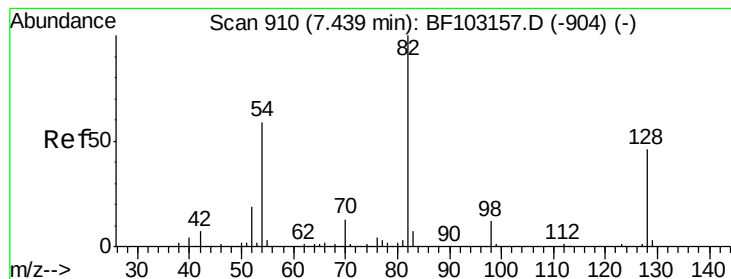
Delta R.T. -0.00 min

Lab File: BF103406.D

Acq: 5 Mar 2018 13:43

Tgt Ion:	136	Resp:	581027
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.5	6.6	9.8
68	6.3	5.0	7.4





#23

Nitrobenzene-d5

Concen: 31.703 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103406.D

Acq: 5 Mar 2018 13:43

Instrument :

BNA_F

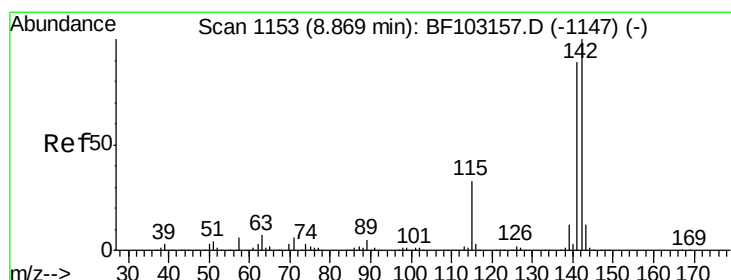
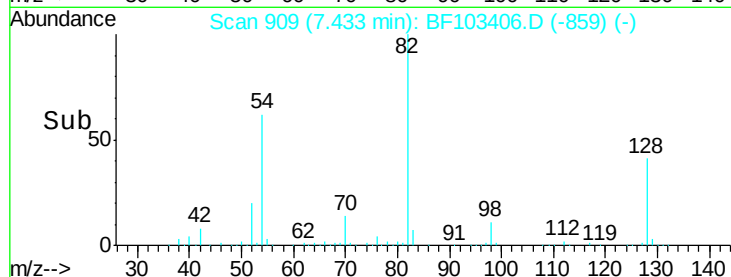
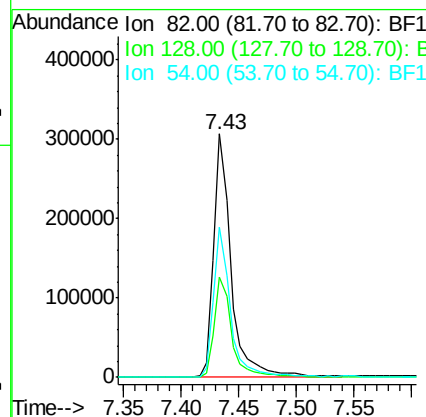
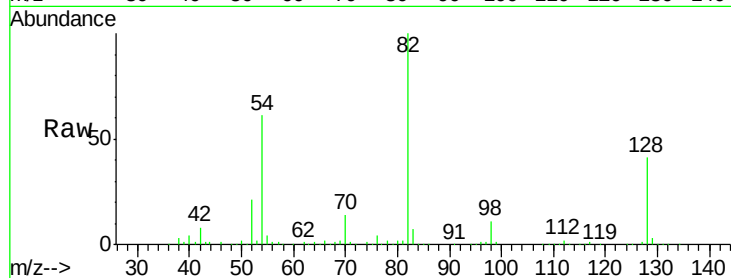
ClientSampleId :

JC-02-030118-D

Tot Ion:	82	Resp:	322545
Ion Ratio	Lower	Upper	
82	100		
128	41.2	36.1	54.1
54	61.5	41.4	62.2

Manual Integrations
APPROVED

Sohil
3/6/2018 4:22:48 PM



#37

2-Methylnaphthalene

Concen: 2.544 ng

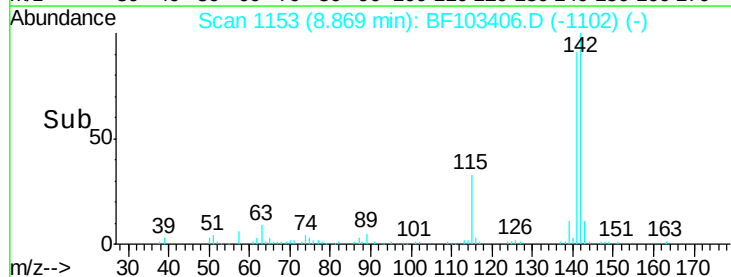
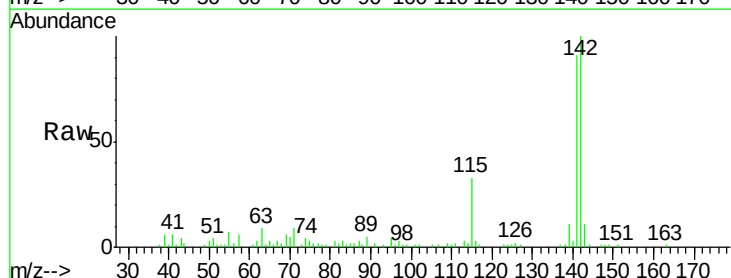
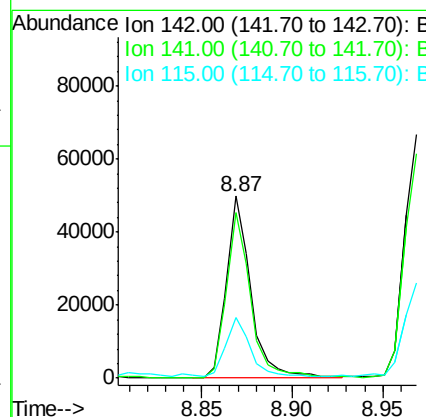
RT: 8.87 min Scan# 1153

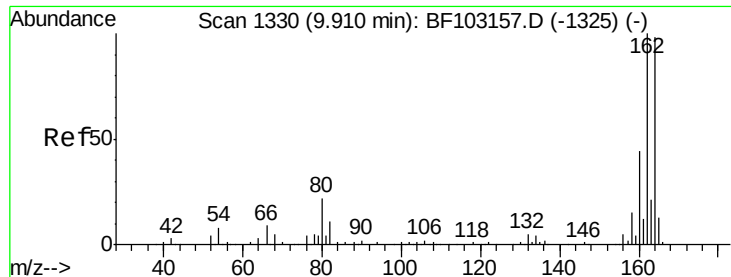
Delta R.T. -0.00 min

Lab File: BF103406.D

Acq: 5 Mar 2018 13:43

Tgt Ion:	142	Resp:	46762
Ion Ratio	Lower	Upper	
142	100		
141	90.8	70.8	106.2
115	33.4	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103406.D

Acq: 5 Mar 2018 13:43

Instrument :

BNA_F

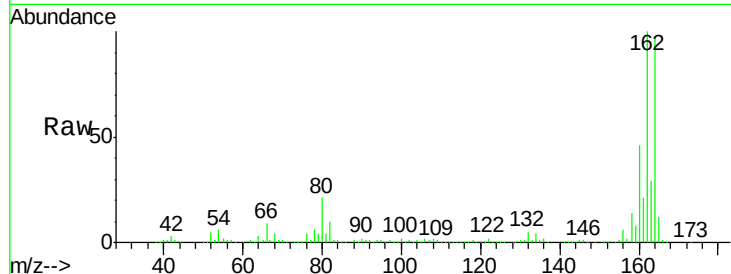
ClientSampleId :

JC-02-030118-D

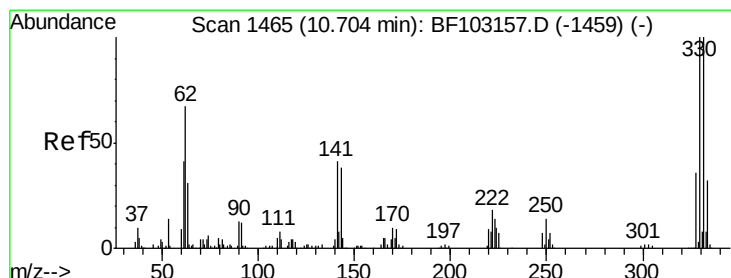
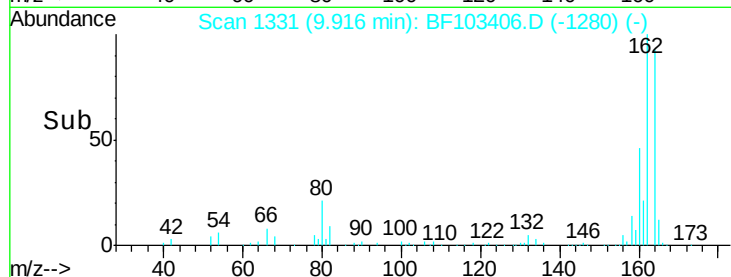
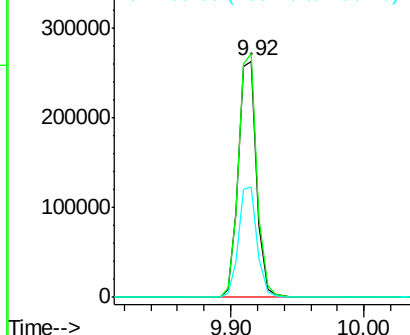
Tot Ion:	164	Resp:	255887
Ion Ratio	Lower	Upper	
164	100		
162	103.1	86.1	129.1
160	47.0	38.3	57.5

Manual Integrations
APPROVED

Sohil
3/6/2018 4:22:48 PM



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 37.407 ng

RT: 10.71 min Scan# 1466

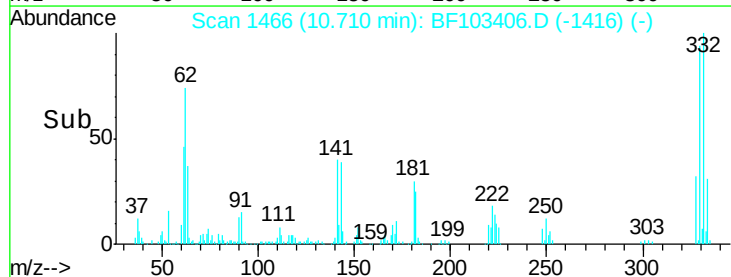
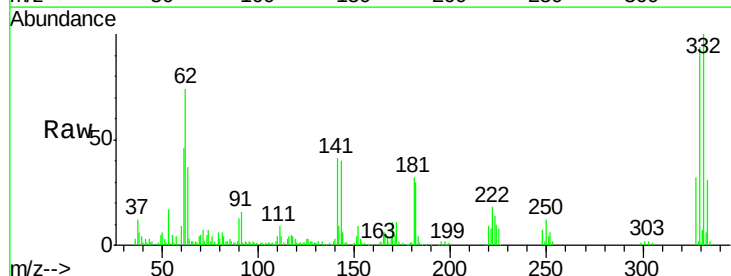
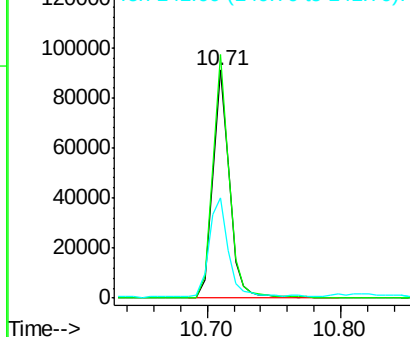
Delta R.T. -0.01 min

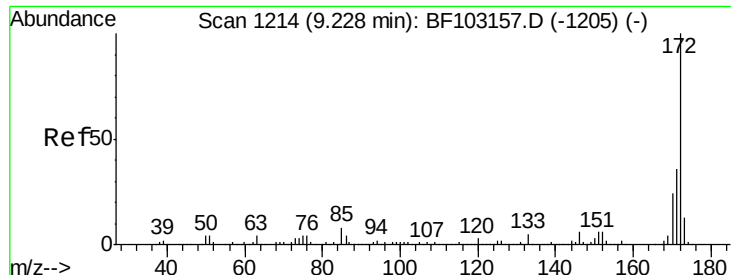
Lab File: BF103406.D

Acq: 5 Mar 2018 13:43

Tgt Ion:	330	Resp:	81022
Ion Ratio	Lower	Upper	
330	100		
332	105.2	77.0	115.6
141	49.9	29.9	44.9#

Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





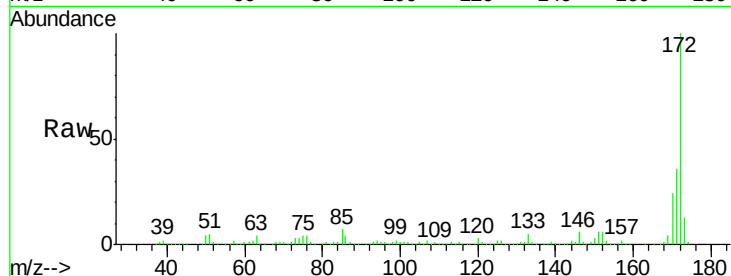
#44
2-Fluorobiphenyl
Concen: 26.270 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-D

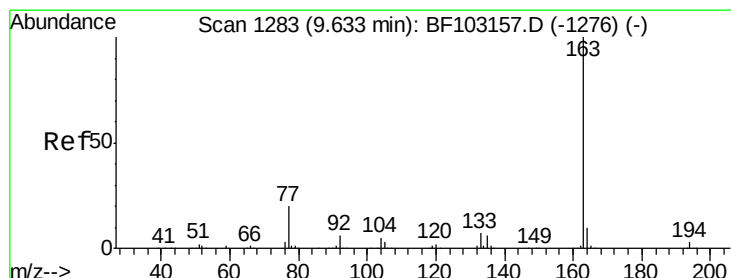
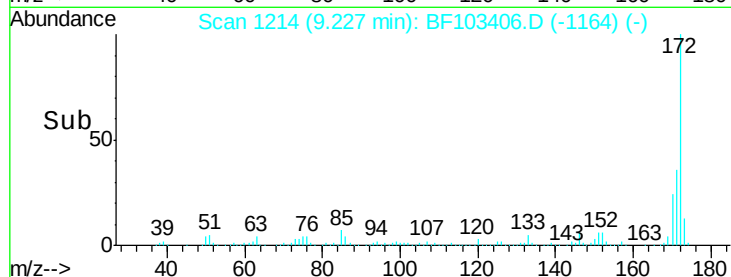
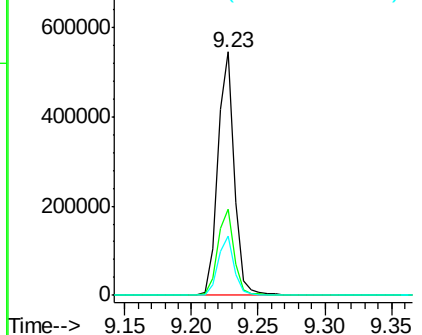
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.2	19.6	29.4

Manual Integrations
APPROVED

Sohil
3/6/2018 4:22:48 PM

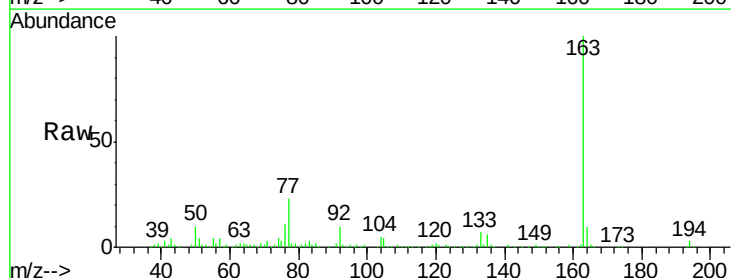


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

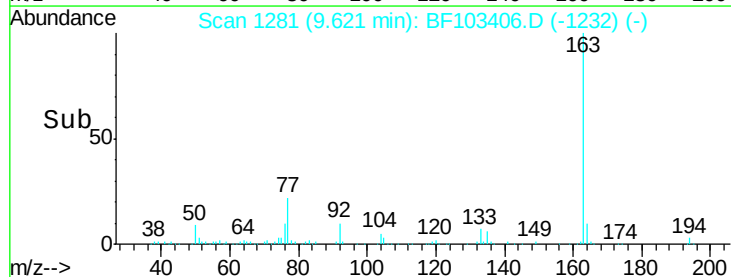
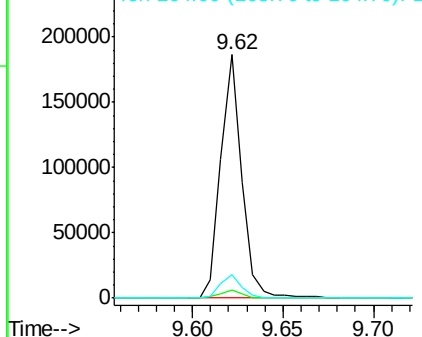


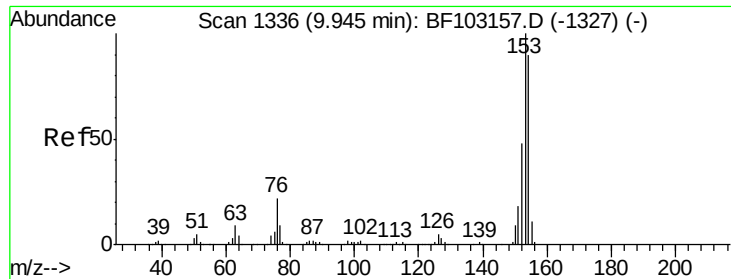
#49
Dimethylphthalate
Concen: 7.304 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.7	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: 8.238 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103406.D

Acq: 5 Mar 2018 13:43

Instrument :

BNA_F

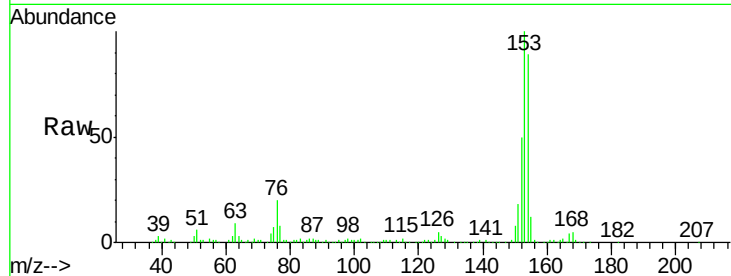
ClientSampleId :

JC-02-030118-D

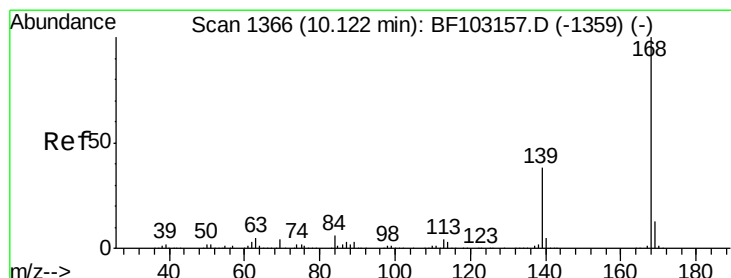
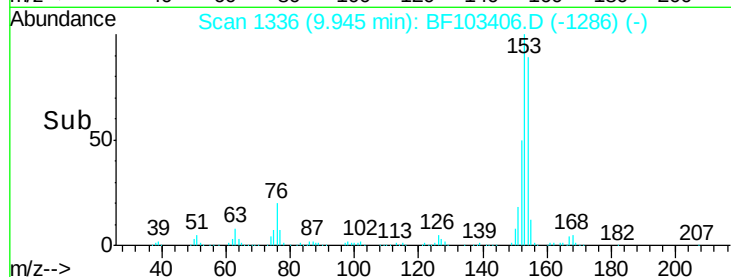
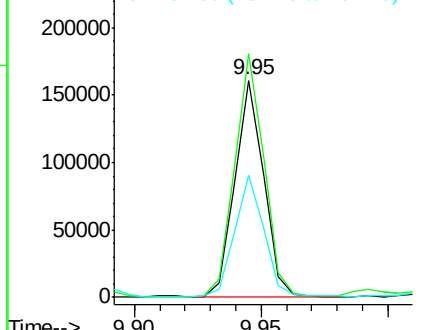
Tot Ion:	154	Resp:	125378
Ion Ratio	Lower	Upper	
154	100		
153	112.1	91.2	136.8
152	55.9	43.8	65.8

Manual Integrations
APPROVED

Sohil
3/6/2018 4:22:48 PM



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



#54

Dibenzofuran

Concen: 8.564 ng

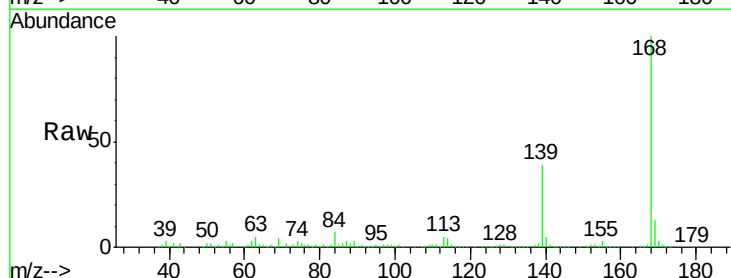
RT: 10.12 min Scan# 1366

Delta R.T. -0.00 min

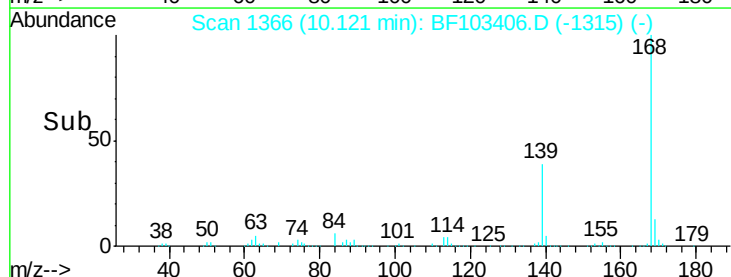
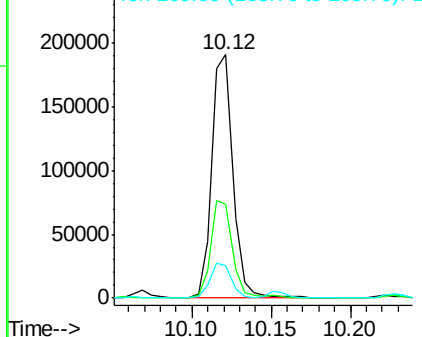
Lab File: BF103406.D

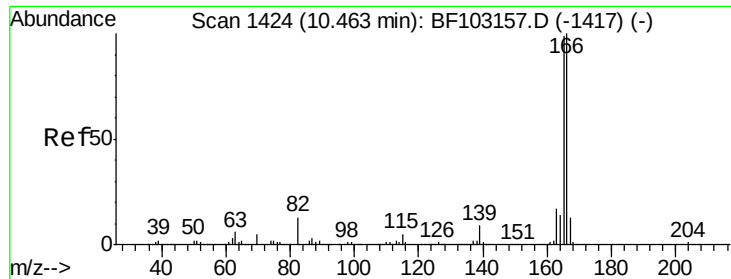
Acq: 5 Mar 2018 13:43

Tgt Ion:	168	Resp:	178922
Ion Ratio	Lower	Upper	
168	100		
139	38.8	30.1	45.1
169	13.4	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





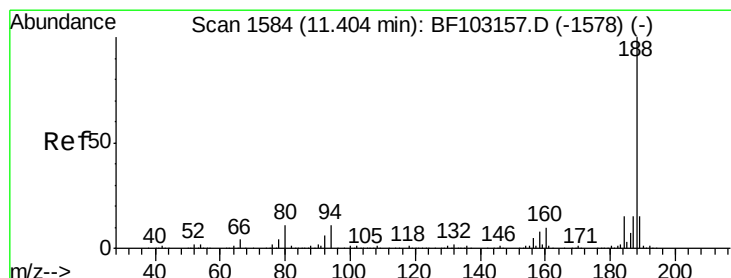
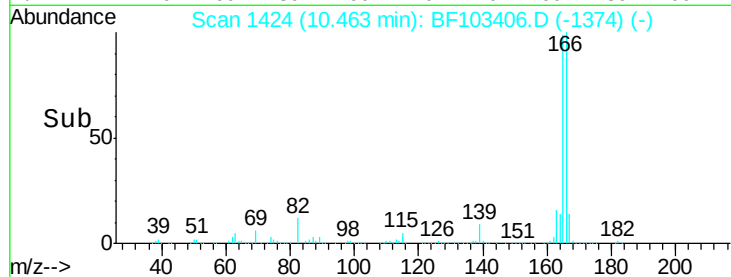
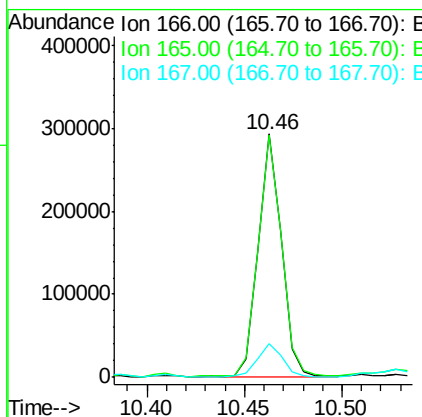
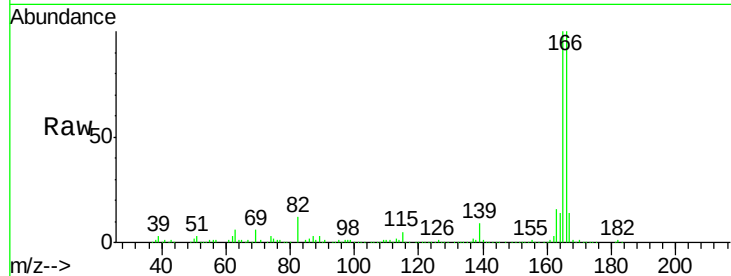
#57
Fluorene
 Concen: 13.620 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103406.D
 Acq: 5 Mar 2018 13:43

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-D

Tot Ion:	166	Resp:	242392
Ion Ratio	Lower	Upper	
166	100		
165	99.7	79.8	119.8
167	14.0	10.6	16.0

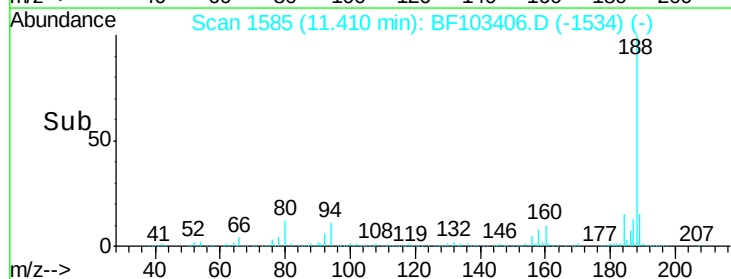
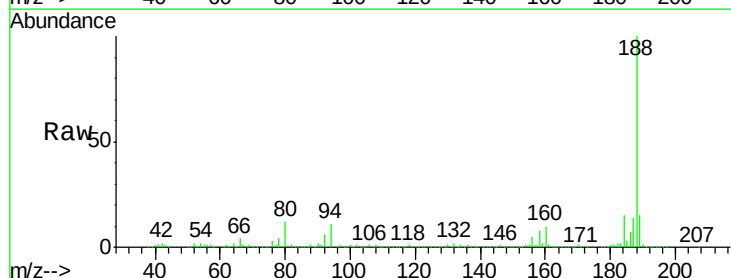
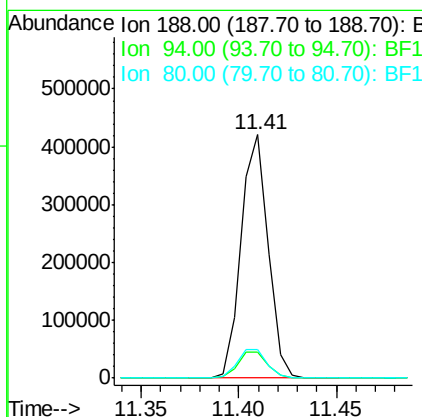
Manual Integrations
 APPROVED

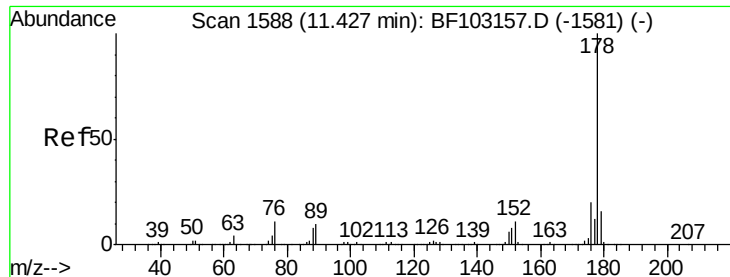
Sohil
 3/6/2018 4:22:48 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF103406.D
 Acq: 5 Mar 2018 13:43

Tgt Ion:	188	Resp:	404779
Ion Ratio	Lower	Upper	
188	100		
94	10.6	8.5	12.7
80	11.6	9.2	13.8





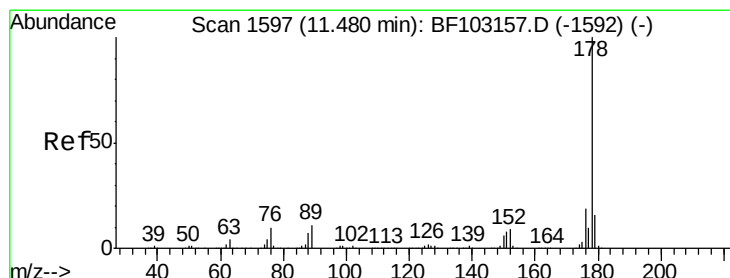
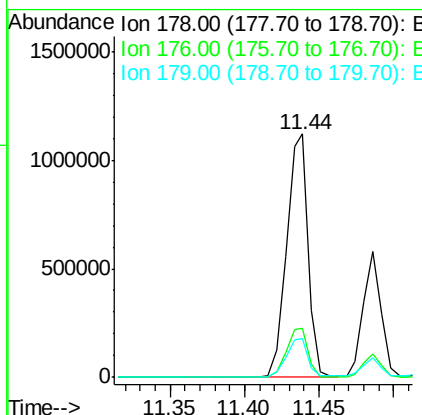
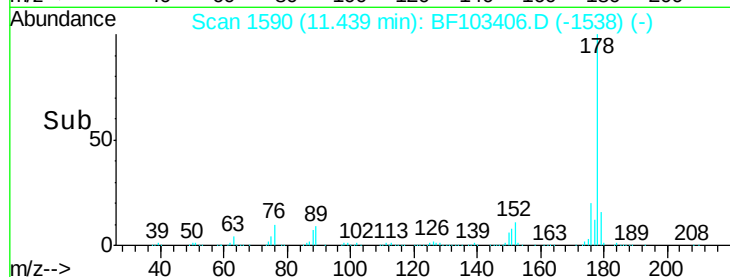
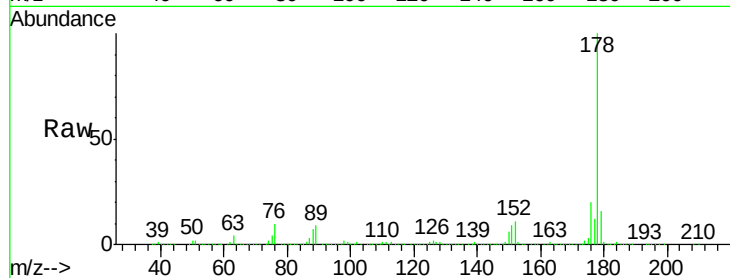
#70
Phenanthrene
Concen: 51.080 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-D

Tot Ion:178 Resp: 1137860
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 15.8 13.0 19.6

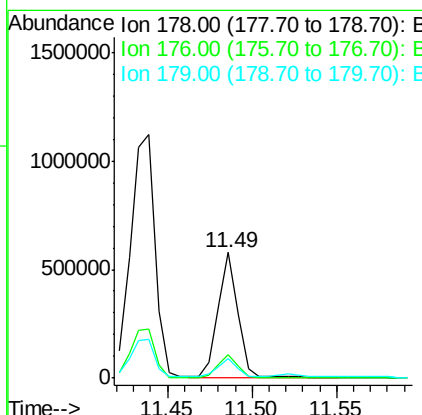
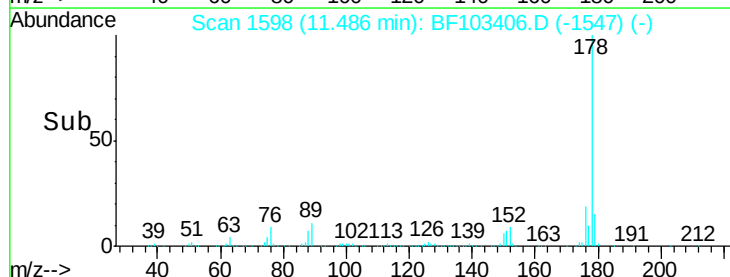
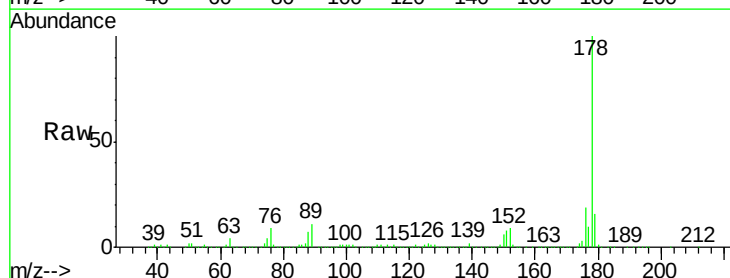
Manual Integrations
APPROVED

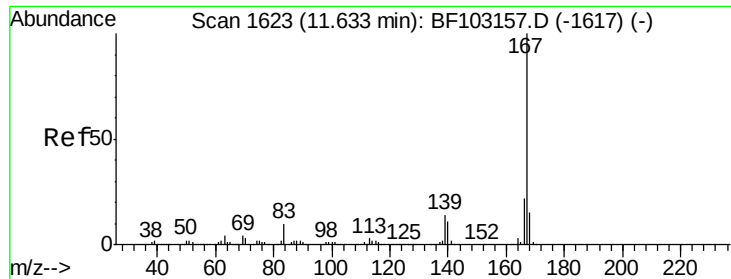
Sohil
3/6/2018 4:22:48 PM



#71
Anthracene
Concen: 21.100 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Tgt Ion:178 Resp: 481987
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.5 12.6 19.0





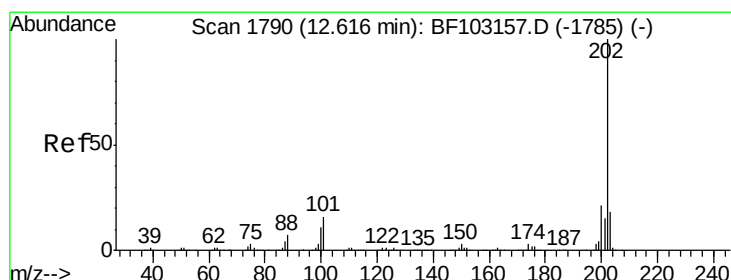
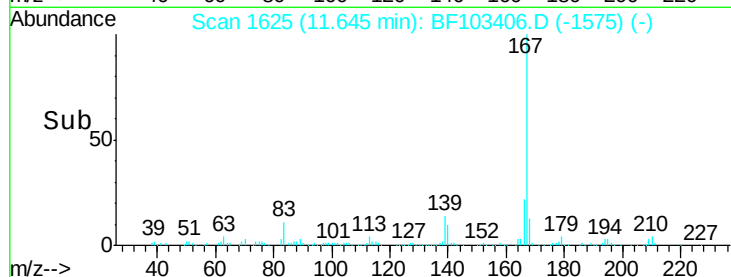
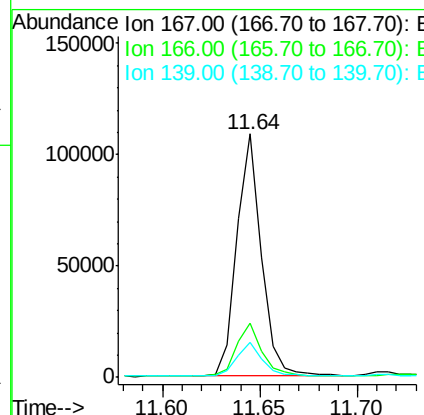
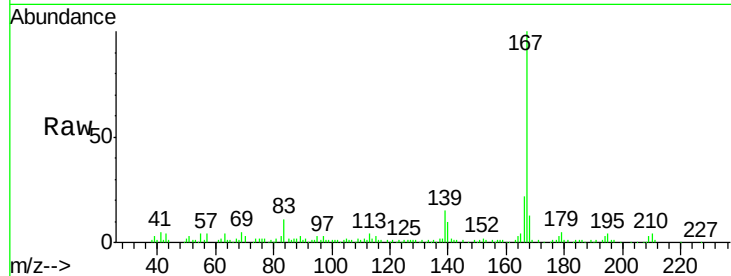
#72
 Carbazole
 Concen: 4.189 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BF103406.D
 Acq: 5 Mar 2018 13:43

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-D

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.6	26.4
139	14.6	10.9	16.3

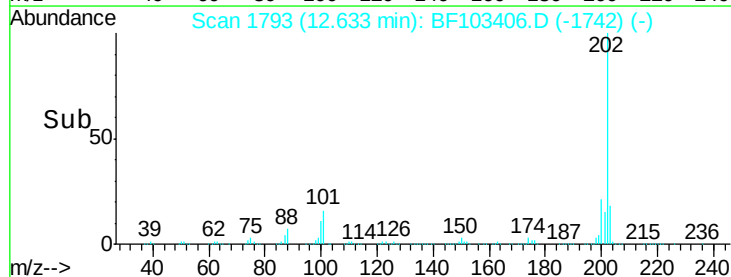
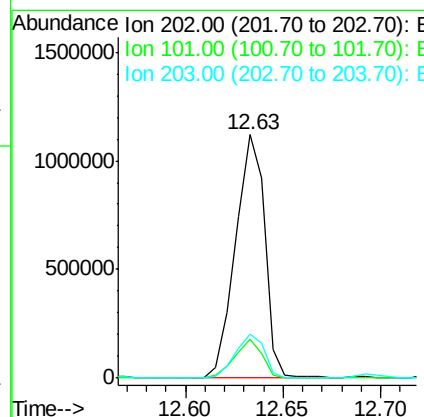
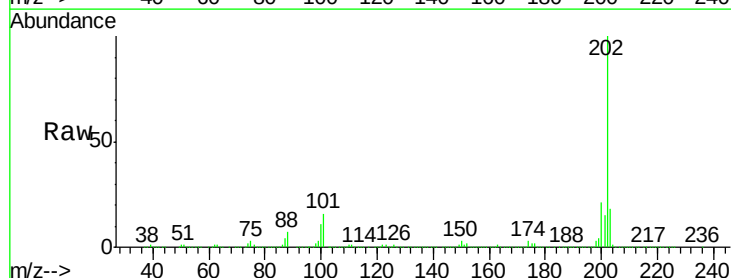
Manual Integrations
 APPROVED

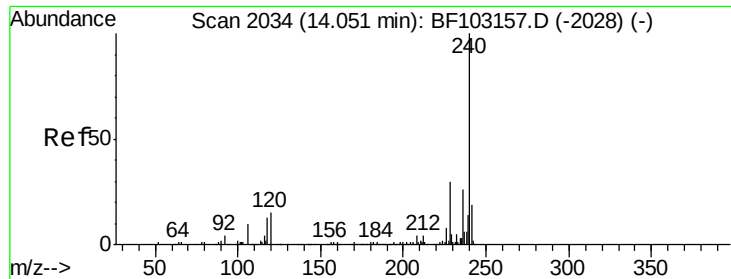
Sohil
 3/6/2018 4:22:48 PM



#74
 Fluoranthene
 Concen: 52.138 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.00 min
 Lab File: BF103406.D
 Acq: 5 Mar 2018 13:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	34.1
203	17.9	0.0	38.1





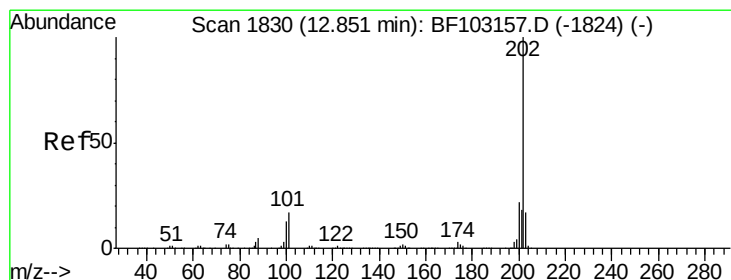
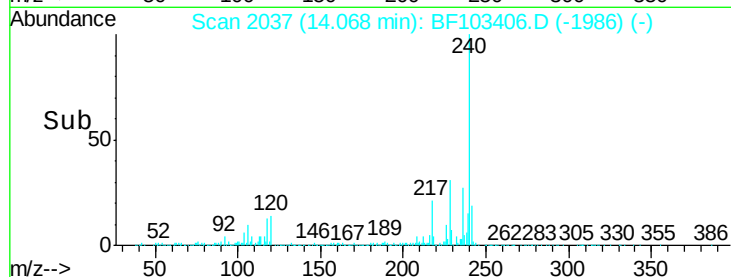
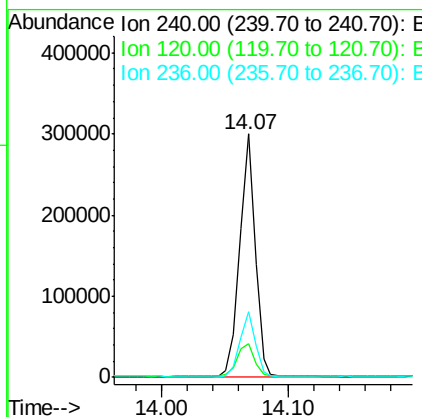
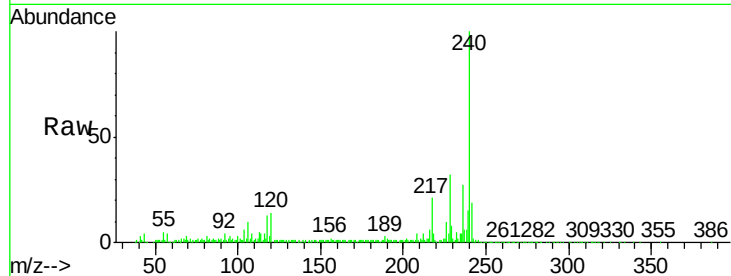
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-D

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.9	9.5	14.3
236	27.0	20.7	31.1

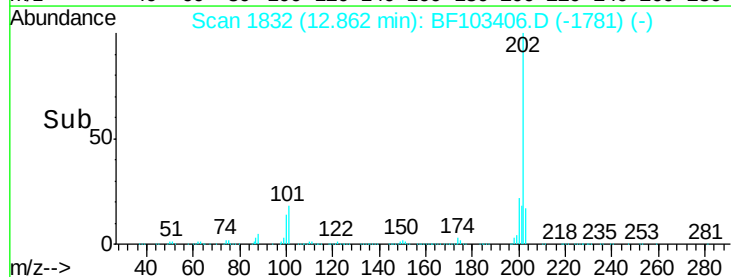
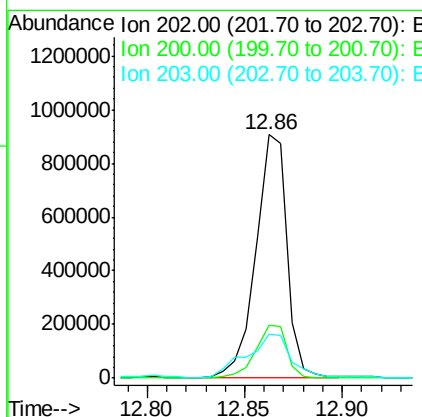
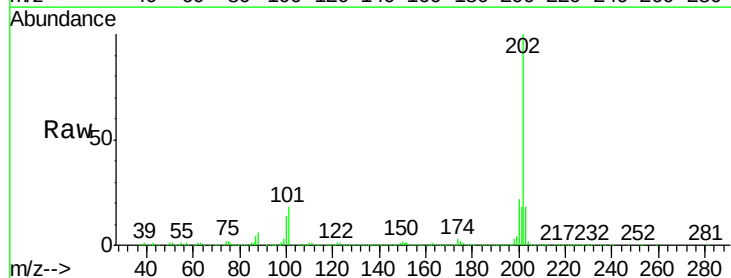
Manual Integrations
APPROVED

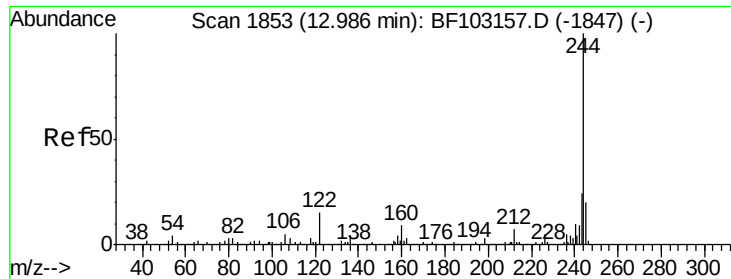
Sohil
3/6/2018 4:22:48 PM



#77
Pyrene
Concen: 50.701 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.2	14.3	21.5





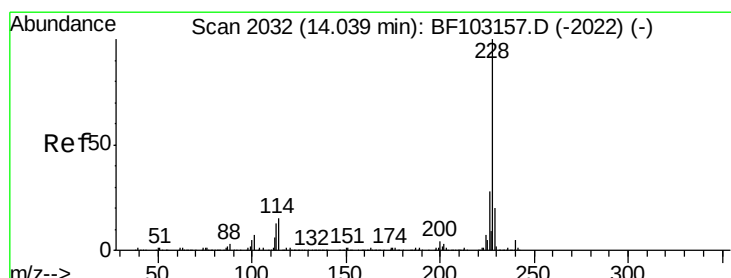
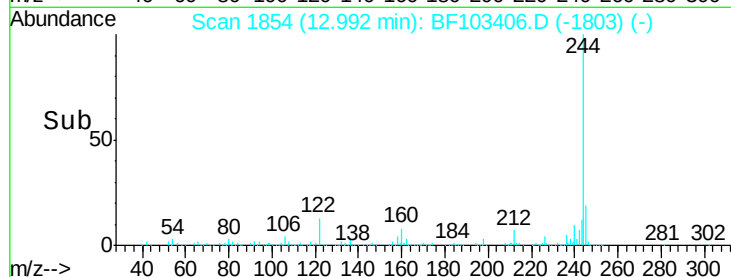
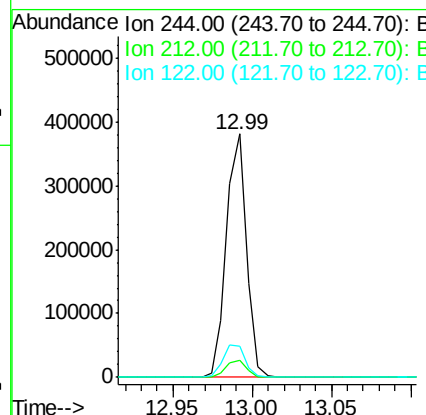
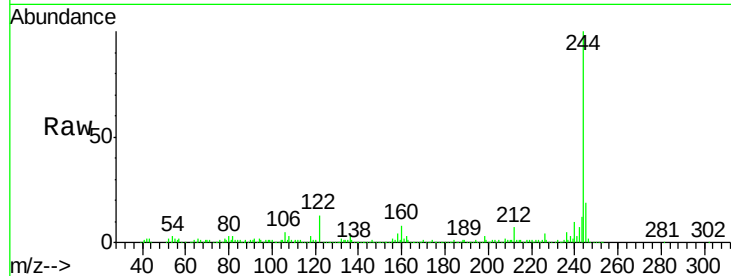
#78
 Terphenyl-d14
 Concen: 32.035 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: BF103406.D
 Acq: 5 Mar 2018 13:43

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	13.0	11.0	16.4

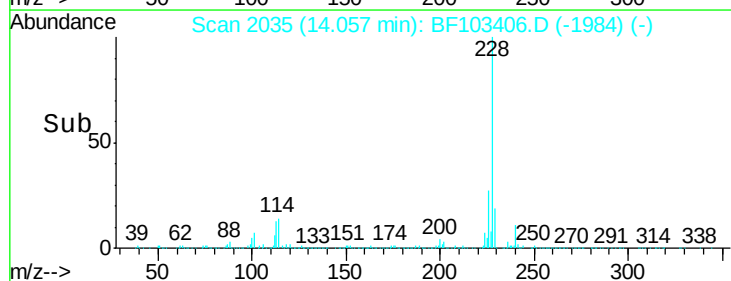
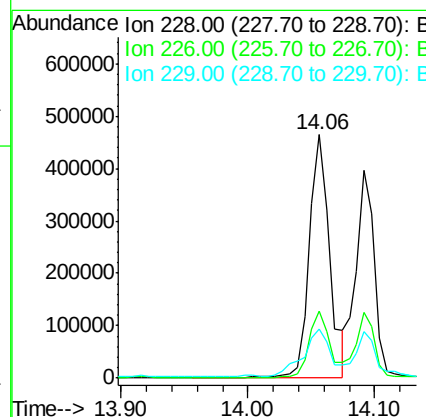
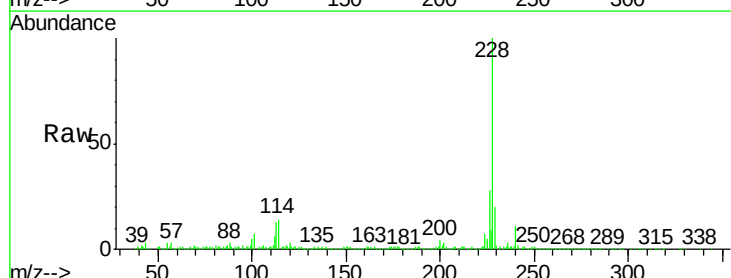
Manual Integrations
 APPROVED

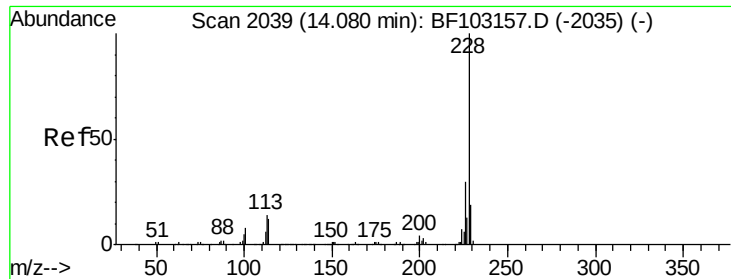
Sohil
 3/6/2018 4:22:48 PM



#80
 Benzo(a)anthracene
 Concen: 31.333 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: BF103406.D
 Acq: 5 Mar 2018 13:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.2	15.8	23.6





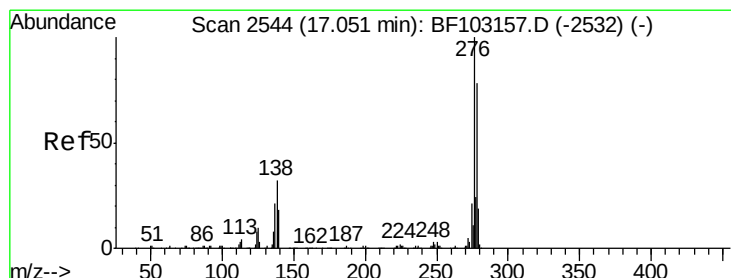
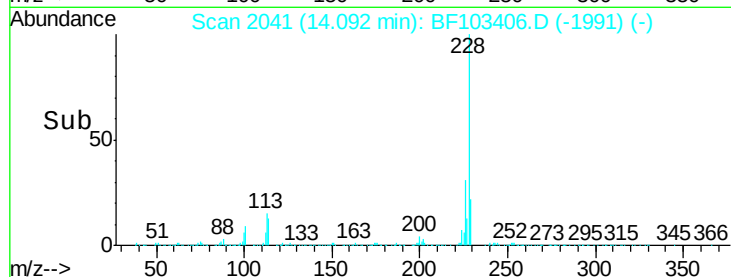
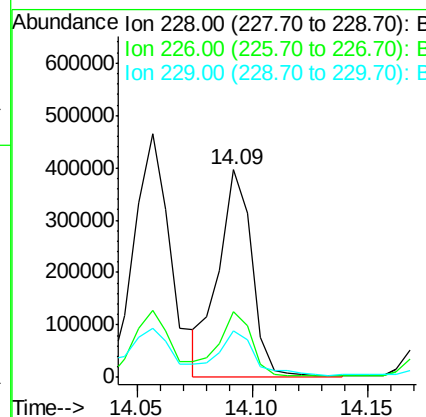
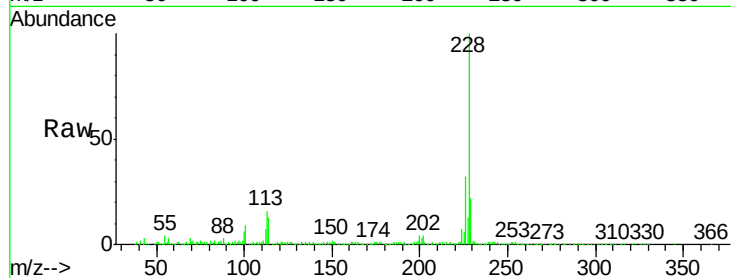
#82
Chrysene
Concen: 24.897 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	22.5	16.2	24.4

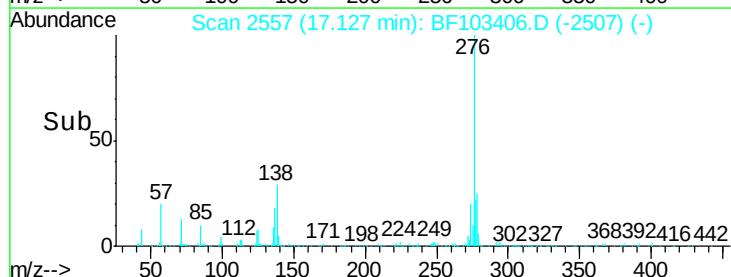
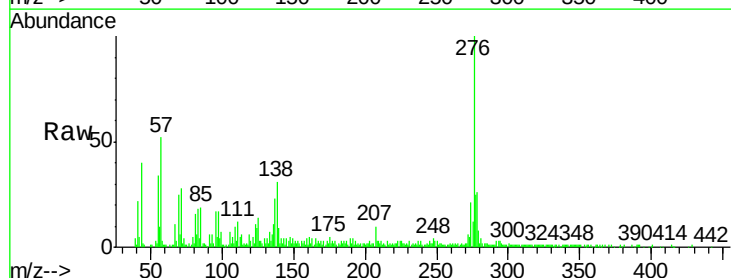
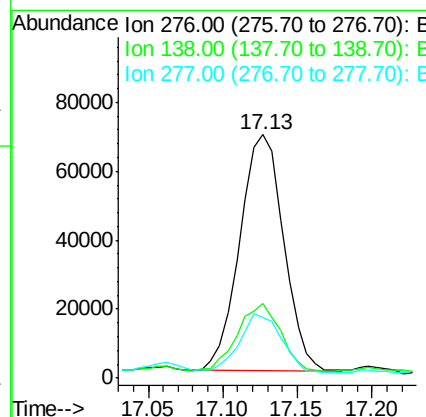
Manual Integrations
APPROVED

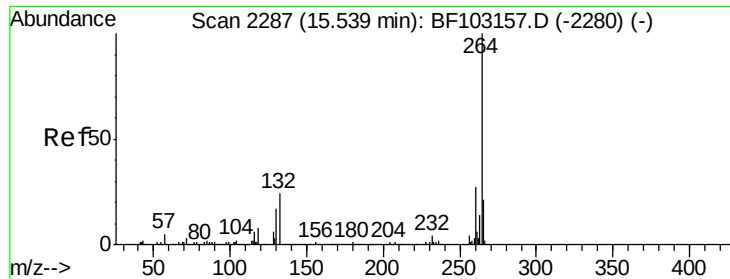
Sohil
3/6/2018 4:22:48 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 11.089 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.8	25.0	37.6
277	24.2	20.1	30.1





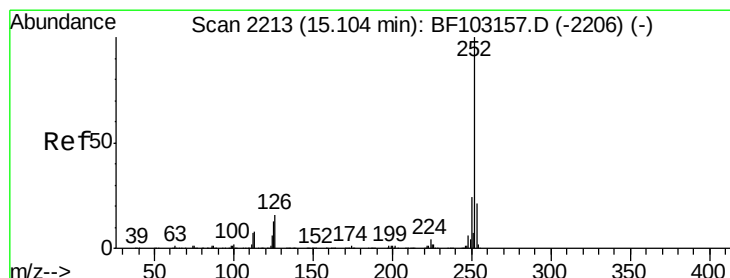
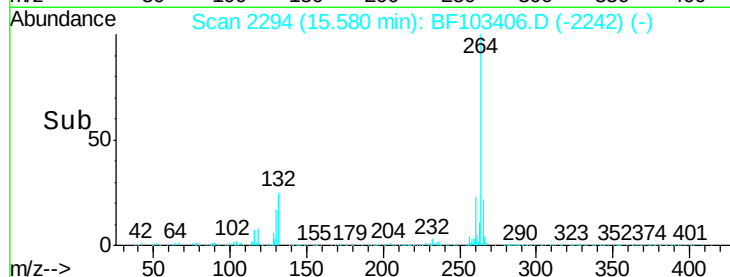
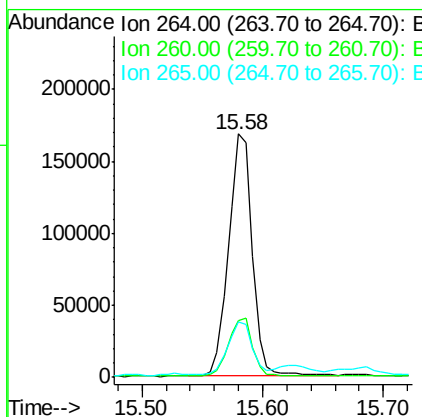
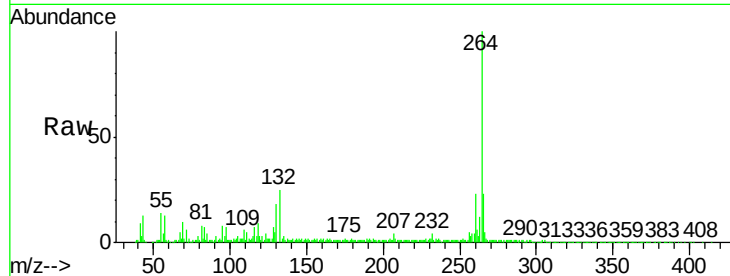
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-D

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.0	17.5	26.3

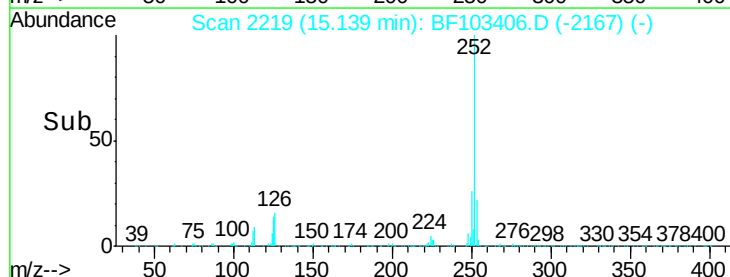
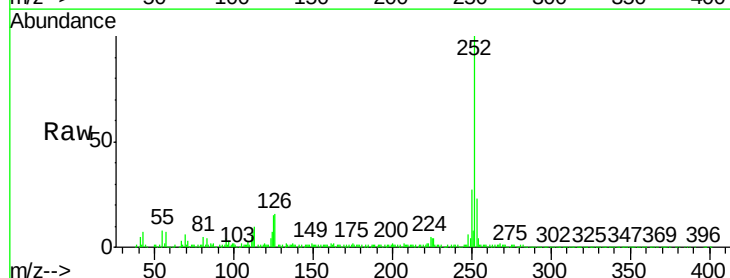
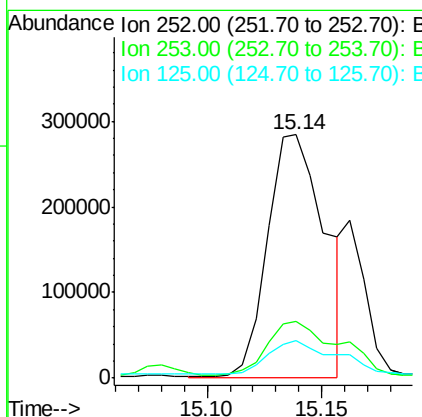
Manual Integrations
APPROVED

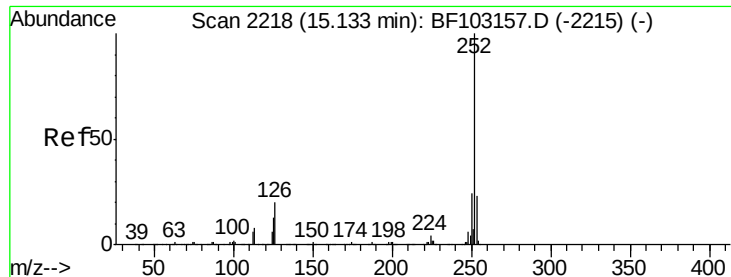
Sohil
3/6/2018 4:22:48 PM



#87
Benzo(b)fluoranthene
Concen: 33.032 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	15.4	9.0	13.6





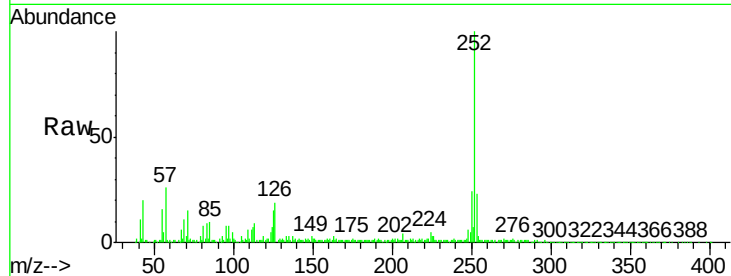
#88
Benzo(k)fluoranthene
Concen: 9.058 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.00 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-D

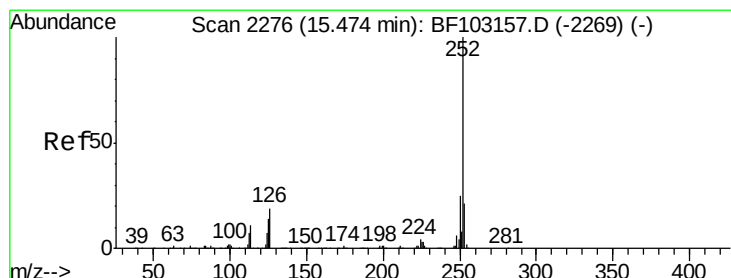
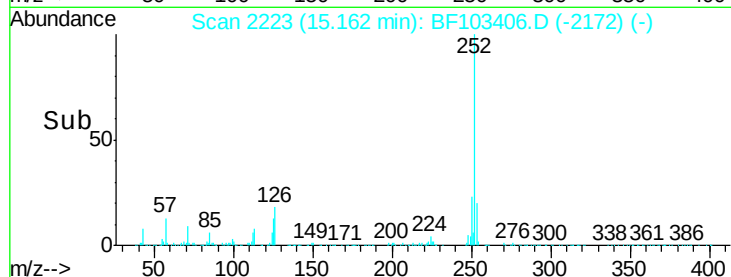
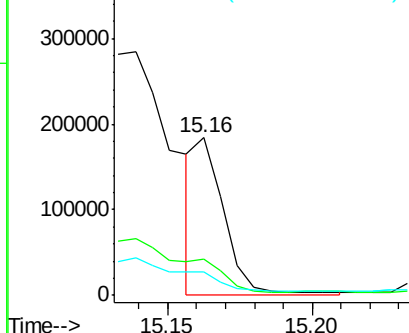
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	15.0	10.2	15.2

Manual Integrations
APPROVED

Sohil
3/6/2018 4:22:48 PM



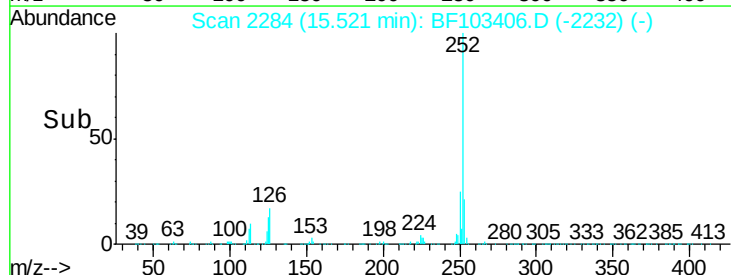
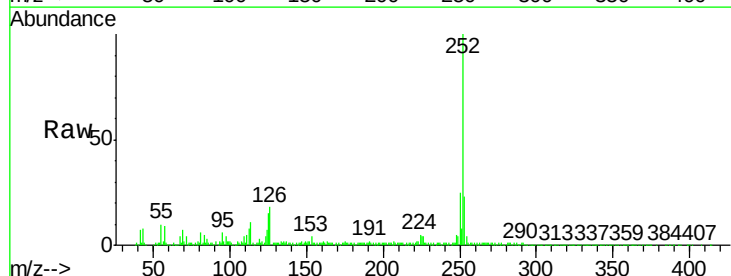
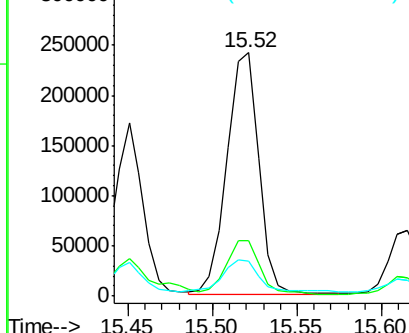
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

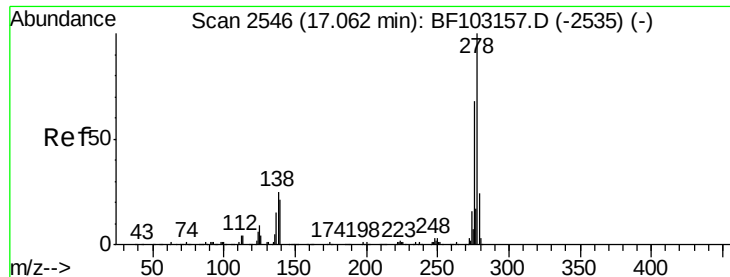


#89
Benzo(a)pyrene
Concen: 23.601 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	14.6	9.8	14.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





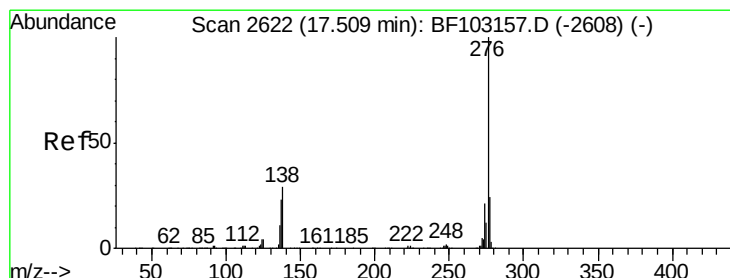
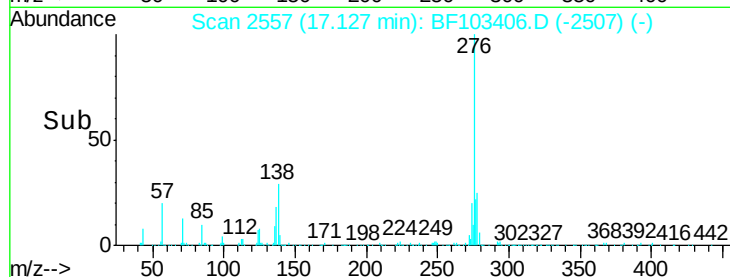
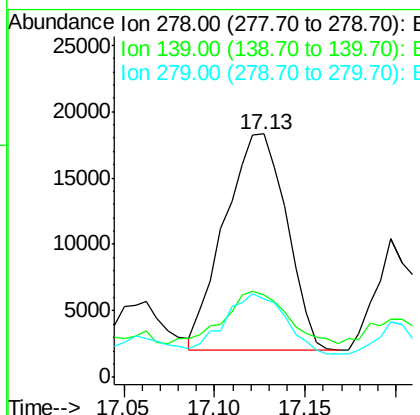
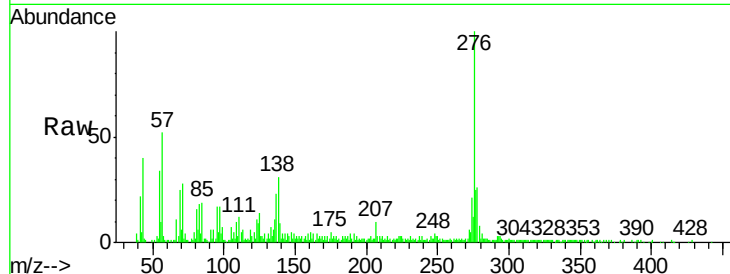
#90
Dibenzo(a,h)anthracene
Concen: 3.719 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-D

Tot Ion	Ratio	Lower	Upper
278	100		
139	33.7	15.9	23.9#
279	32.2	19.0	28.4#

Manual Integrations
APPROVED

Sohil
3/6/2018 4:22:48 PM



#91
Benzo(g,h,i)perylene
Concen: 12.644 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.01 min
Lab File: BF103406.D
Acq: 5 Mar 2018 13:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	28.8	21.8	32.8

