

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103346.D
 Acq On : 1 Mar 2018 19:30
 Operator : SJ/JU
 Sample : J1721-15
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-40

Manual Integrations
 APPROVED

Sohil
 3/2/2018 3:30:55 PM

Quant Time: Mar 02 10:14:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	122251	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	440498	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	161663	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	264236	20.00	ng	0.00
75) Chrysene-d12	14.06	240	168333	20.00	ng	0.00
86) Perylene-d12	15.57	264	129088	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	861293	106.55	ng	0.01
7) Phenol-d6	6.52	99	970665	98.14	ng	0.00
23) Nitrobenzene-d5	7.44	82	581211	75.35	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	117241	85.68	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	743764	77.62	ng	0.00
78) Terphenyl-d14	13.00	244	619268	88.43	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.18	128	58363	2.706	ng	99
48) Acenaphthylene	9.78	152	62520	3.792	ng	99
49) Dimethylphthalate	9.63	163	62616	4.828	ng	100
51) Acenaphthene	9.95	154	43336	4.507	ng	98
54) Dibenzofuran	10.13	168	29852	2.262	ng	96
57) Fluorene	10.47	166	35722	3.177	ng	98
70) Phenanthrene	11.43	178	222652	15.311	ng	100
71) Anthracene	11.49	178	119406	8.008	ng	99
74) Fluoranthene	12.63	202	461376	31.573	ng	100
77) Pyrene	12.86	202	517184	39.407	ng	99
80) Benzo(a)anthracene	14.06	228	208635	19.102	ng	95
82) Chrysene	14.09	228	217004	20.462	ng	98
83) Bis(2-ethylhexyl)phthalate	14.02	149	19966	2.134	ng	97
85) Indeno(1,2,3-cd)pyrene	17.11	276	76768	9.144	ng	95
87) Benzo(b)fluoranthene	15.13	252	182658m	21.521	ng	
88) Benzo(k)fluoranthene	15.16	252	48880m	6.116	ng	
89) Benzo(a)pyrene	15.51	252	137077	18.086	ng	# 93
90) Dibenzo(a,h)anthracene	17.10	278	21497	3.671	ng	# 68
91) Benzo(a,h,i)perylene	17.58	276	79907	13.960	ng	92

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

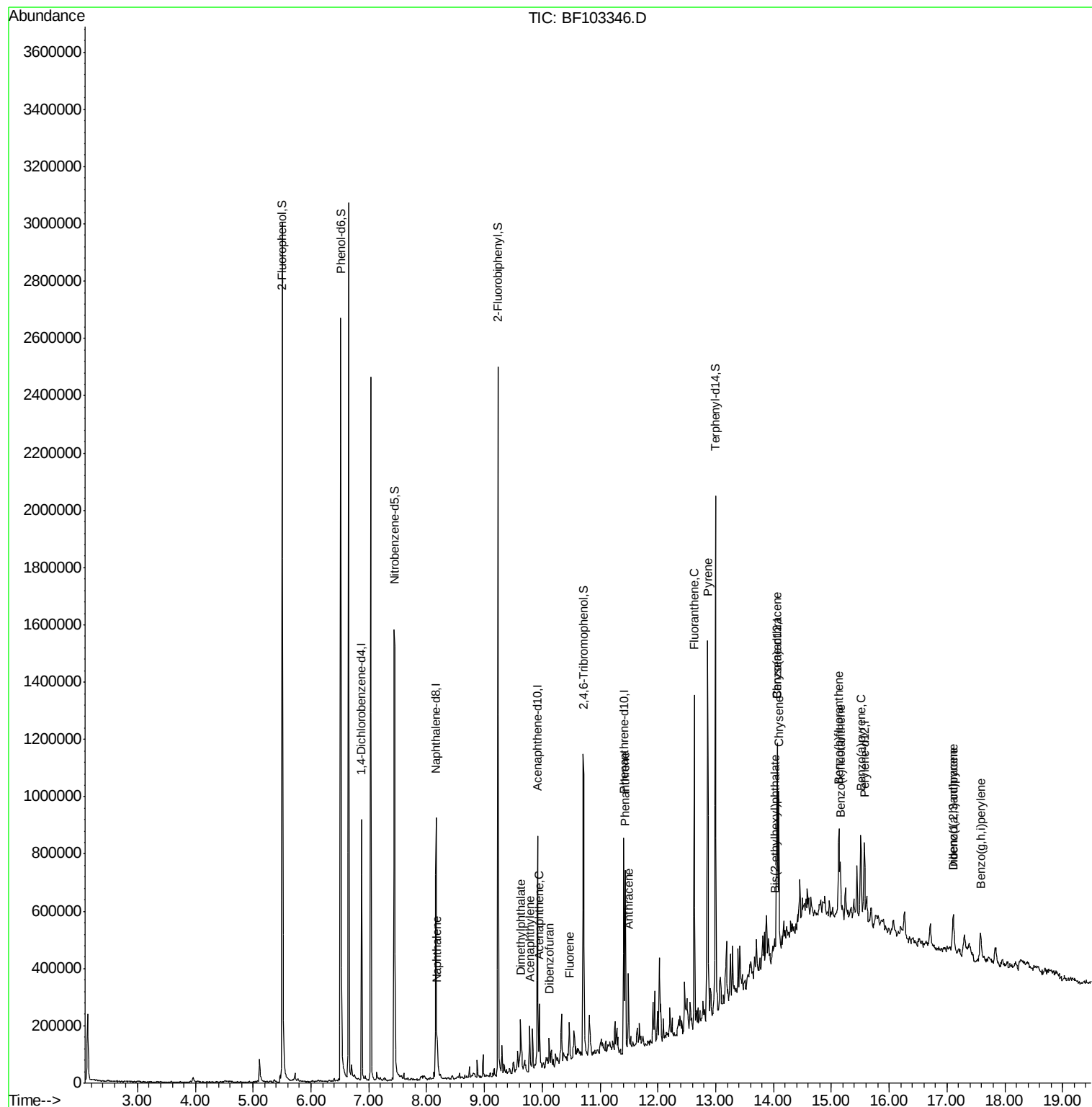
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030118\
Data File : BF103346.D
Acq On : 1 Mar 2018 19:30
Operator : SJ/JU
Sample : J1721-15
Misc :
ALS Vial : 24 Sample Multiplier: 1

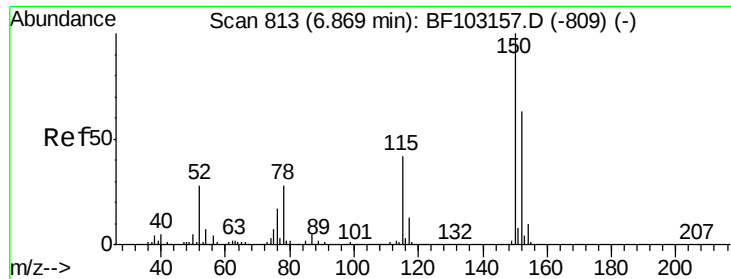
Instrument :
BNA_F
ClientSampleId :
SP-40

Manual Integrations
APPROVED

Sohil
3/2/2018 3:30:55 PM

Quant Time: Mar 02 10:14:55 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 17:05:20 2018
Response via : Initial Calibration





#1

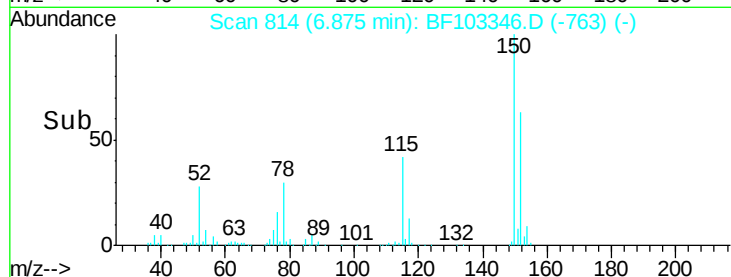
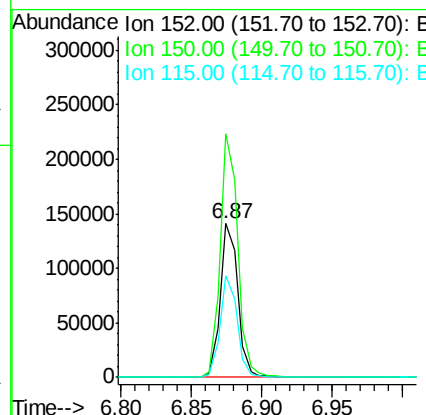
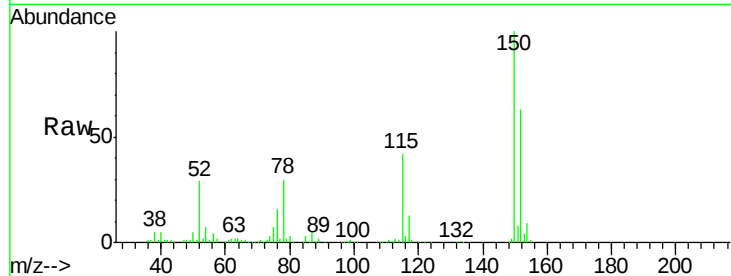
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Instrument :
BNA_F
ClientSampled :
SP-40

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	66.1	50.1	75.1

Manual Integrations
APPROVED

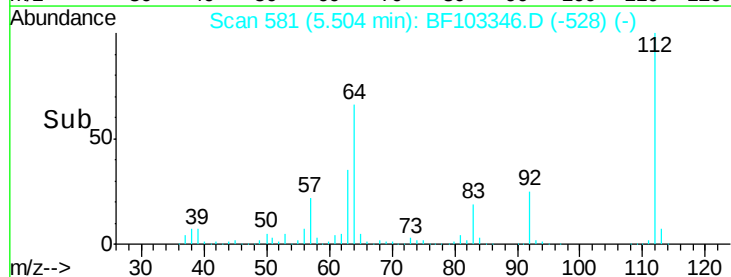
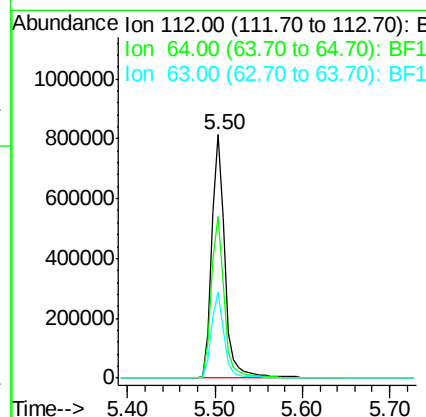
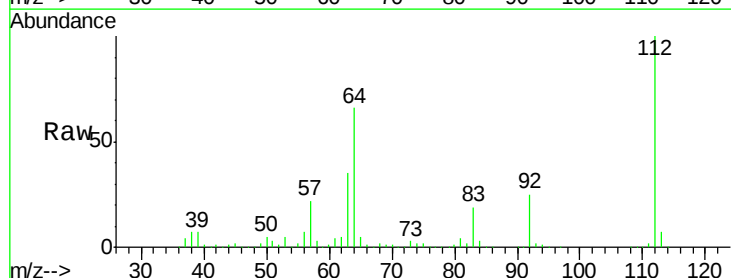
Sohil
3/2/2018 3:30:55 PM



#5

2-Fluorophenol
Concen: 106.555 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	47.9	71.9
63	35.2	23.7	35.5





#7

Phenol-d6

Concen: 98.137 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103346.D

Acq: 1 Mar 2018 19:30

Instrument :

BNA_F

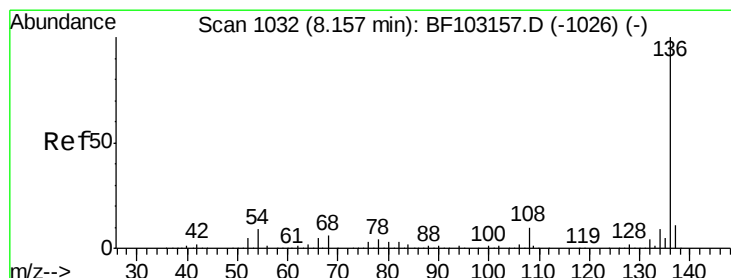
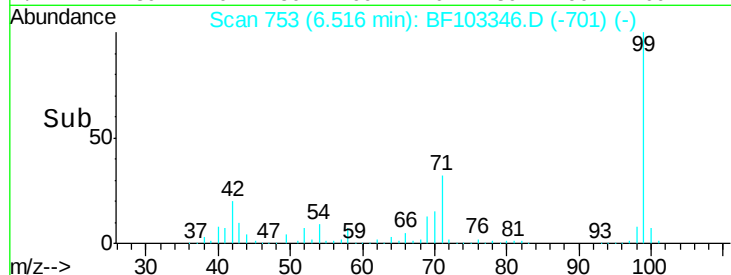
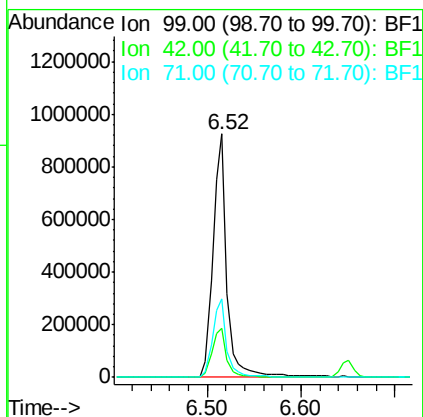
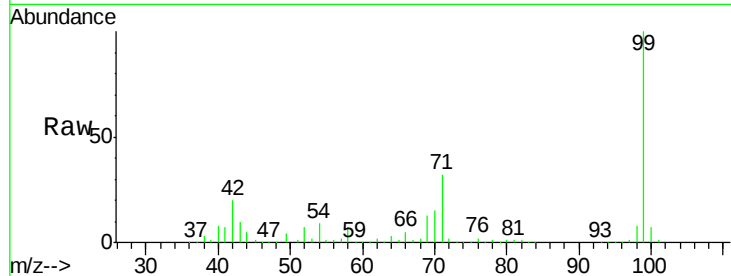
ClientSampleId :

SP-40

Tot Ion:	99	Resp:	970665
Ion Ratio	Lower	Upper	
99	100		
42	20.2	14.5	21.7
71	32.1	25.4	38.0

Manual Integrations
APPROVED

Sohil
3/2/2018 3:30:55 PM



#21

Naphthalene-d8

Concen: 20.000 ng

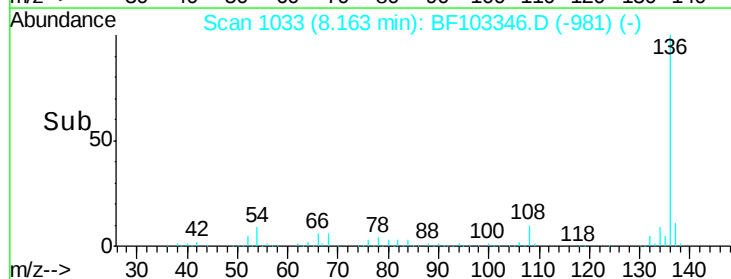
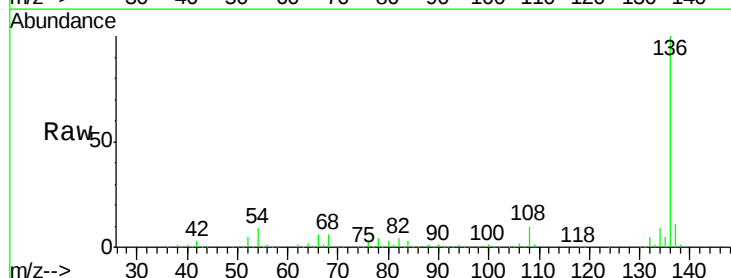
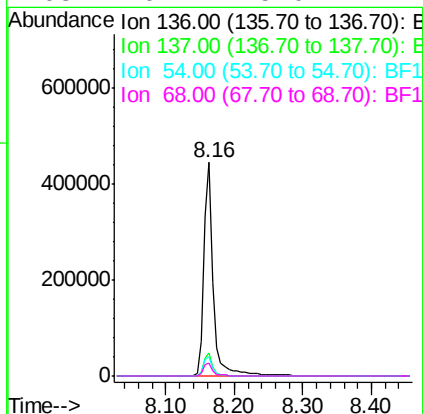
RT: 8.16 min Scan# 1033

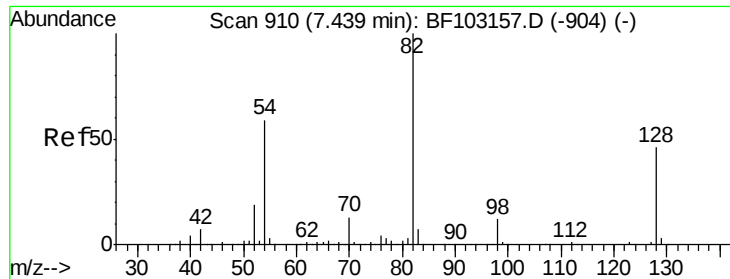
Delta R.T. 0.01 min

Lab File: BF103346.D

Acq: 1 Mar 2018 19:30

Tgt Ion:	136	Resp:	440498
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.9	6.6	9.8
68	6.2	5.0	7.4





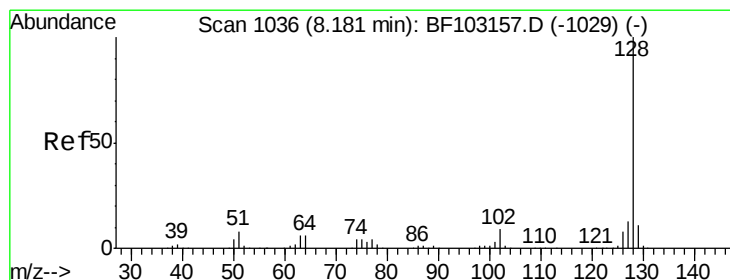
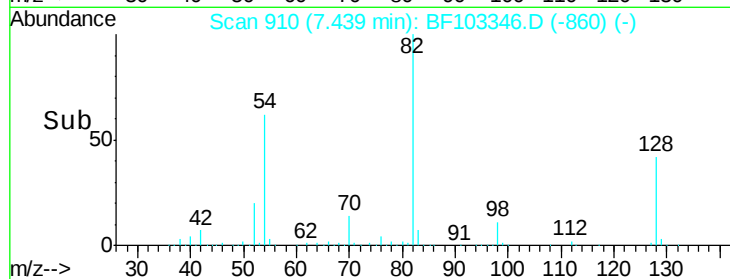
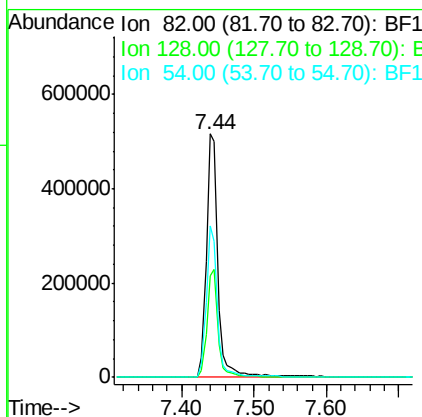
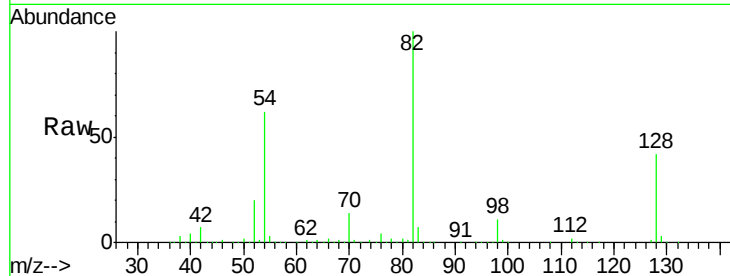
#23
Nitrobenzene-d5
Concen: 75.351 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Instrument :
BNA_F
ClientSampleId :
SP-40

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.5	36.1	54.1
54	62.3	41.4	62.2

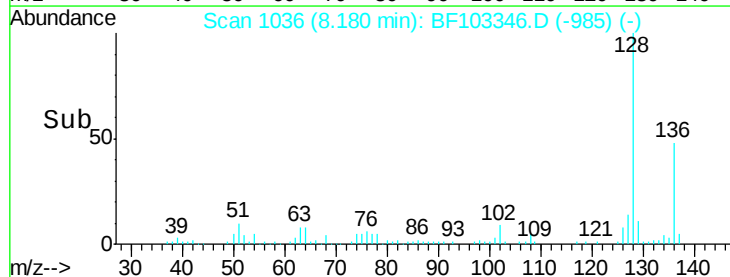
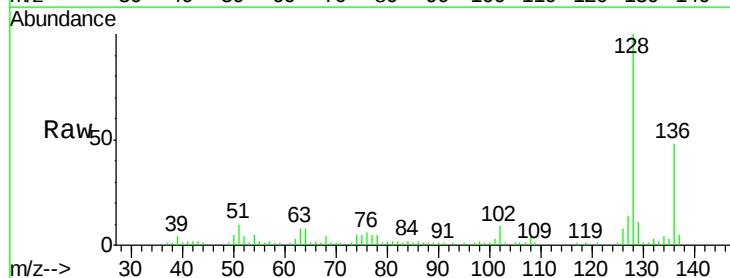
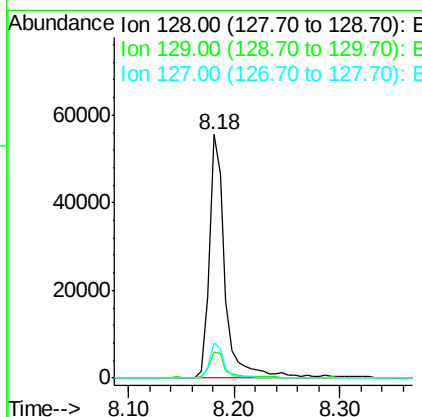
Manual Integrations
APPROVED

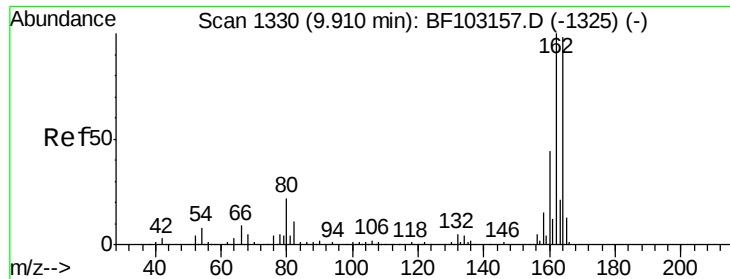
Sohil
3/2/2018 3:30:55 PM



#31
Naphthalene
Concen: 2.706 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	14.3	10.9	16.3





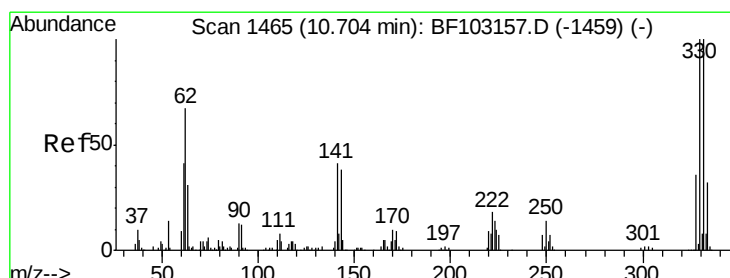
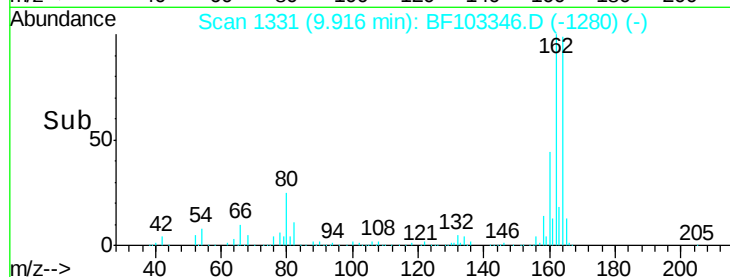
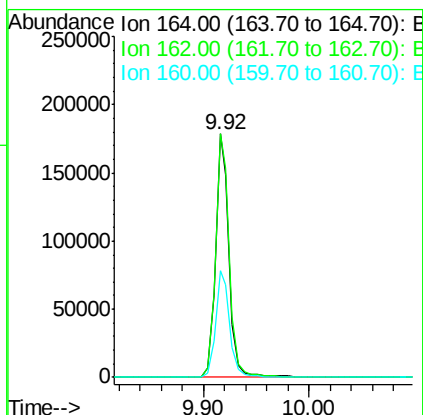
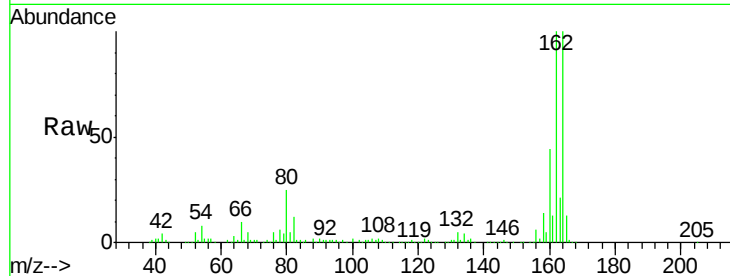
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF103346.D
 Acq: 1 Mar 2018 19:30

Instrument :
 BNA_F
 ClientSampled :
 SP-40

Tot Ion	Ratio	Resp	Lower	Upper
164	100	161663		
162	100.0	86.1	129.1	
160	43.6	38.3	57.5	

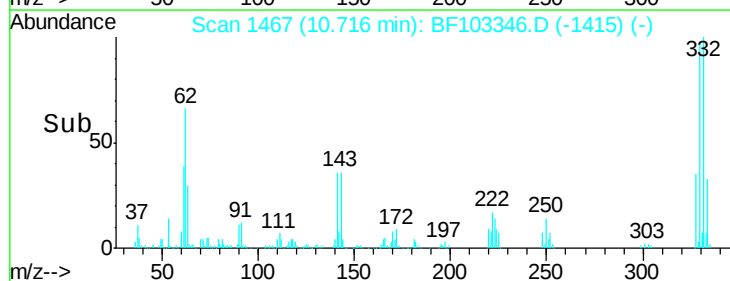
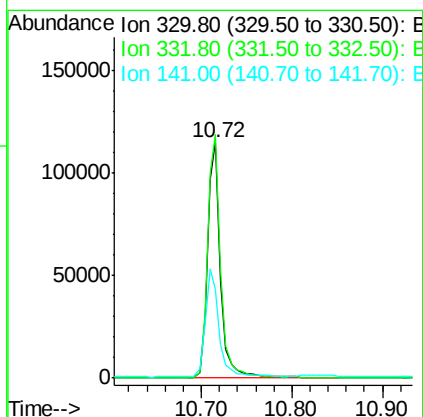
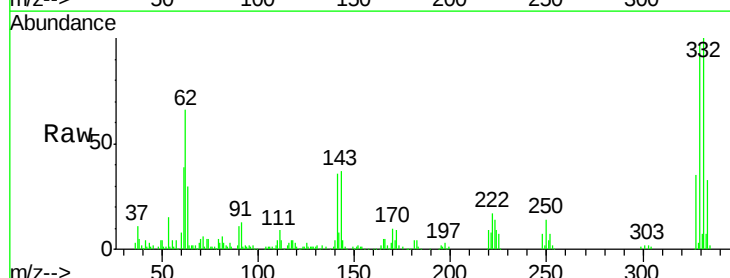
Manual Integrations
 APPROVED

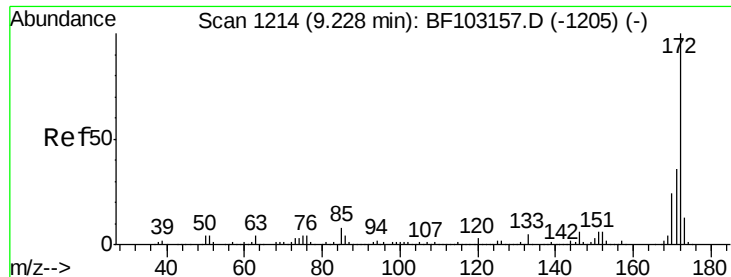
Sohil
 3/2/2018 3:30:55 PM



#41
 2,4,6-Tribromophenol
 Concen: 85.678 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF103346.D
 Acq: 1 Mar 2018 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	117241		
332	104.5	77.0	115.6	
141	47.1	29.9	44.9	





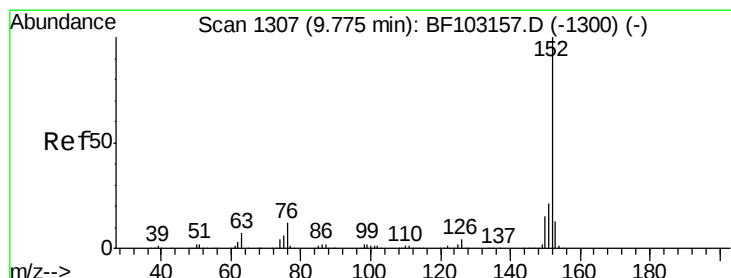
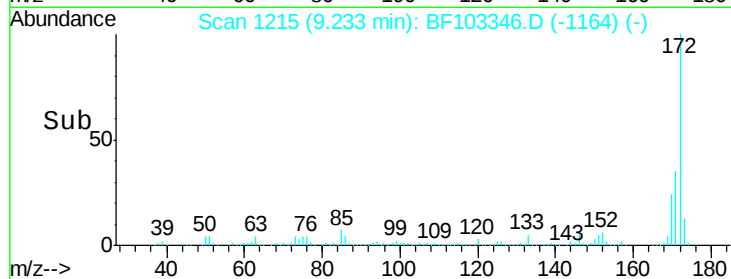
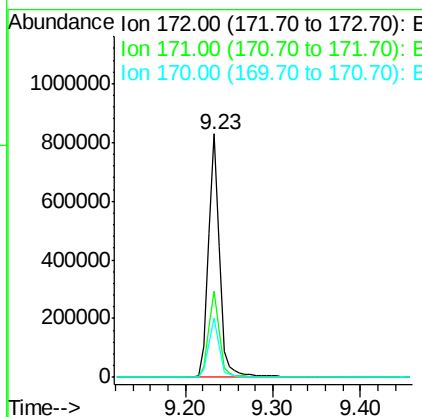
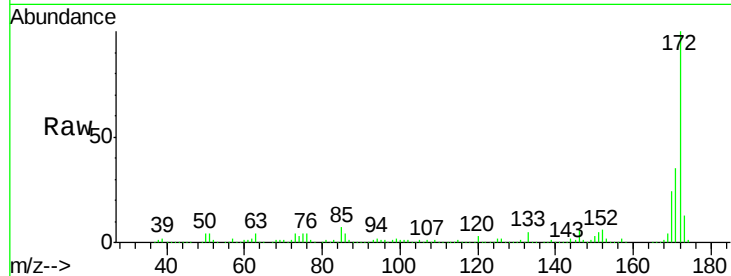
#44
 2-Fluorobiphenyl
 Concen: 77.620 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103346.D
 Acq: 1 Mar 2018 19:30

Instrument :
 BNA_F
 ClientSampled :
 SP-40

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.2	19.6	29.4

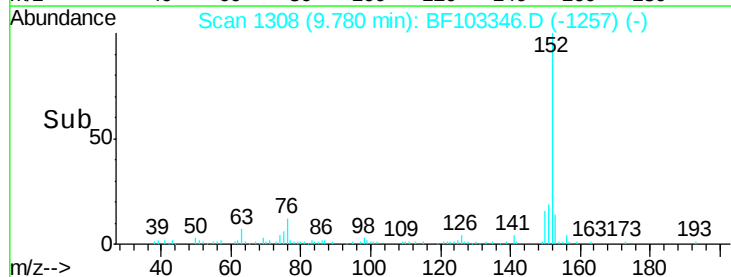
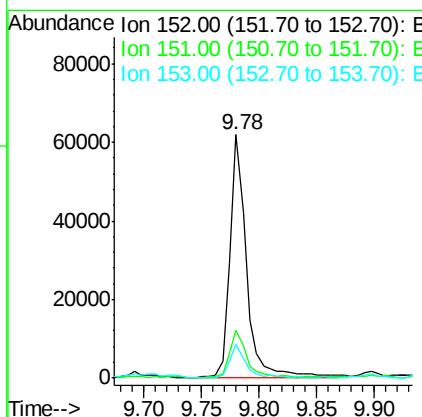
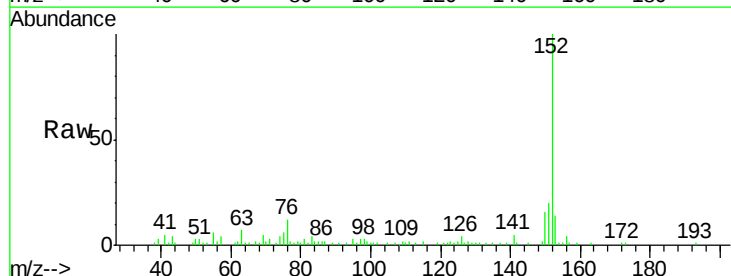
Manual Integrations
 APPROVED

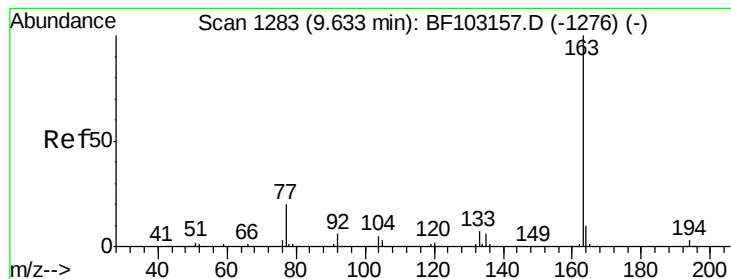
Sohil
 3/2/2018 3:30:55 PM



#48
 Acenaphthylene
 Concen: 3.792 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.00 min
 Lab File: BF103346.D
 Acq: 1 Mar 2018 19:30

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





#49

Dimethylphthalate

Concen: 4.828 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103346.D

Acq: 1 Mar 2018 19:30

Instrument :

BNA_F

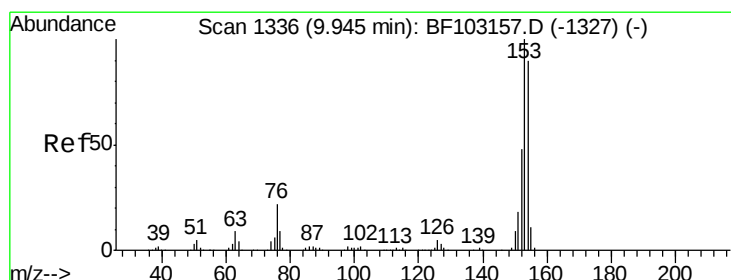
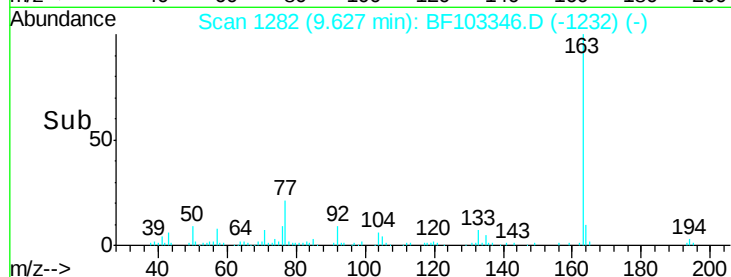
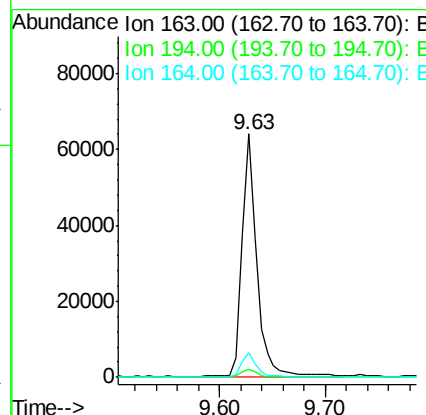
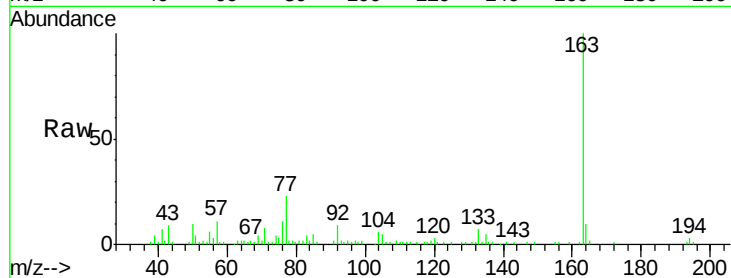
ClientSampled :

SP-40

Tot Ion:	163	Resp:	62616
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	10.0	8.2	12.2

Manual Integrations
APPROVED

Sohil
3/2/2018 3:30:55 PM



#51

Acenaphthene

Concen: 4.507 ng

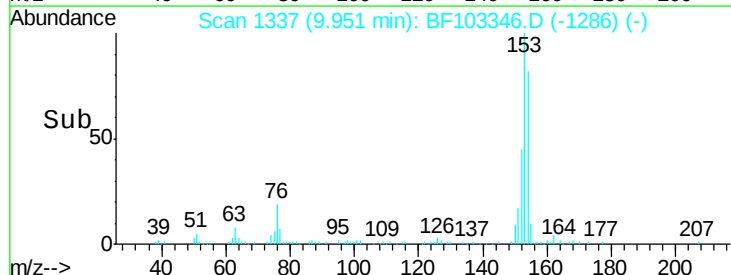
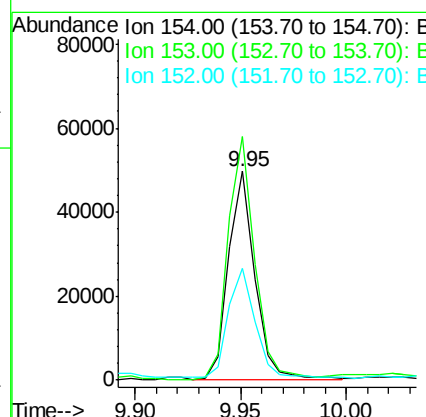
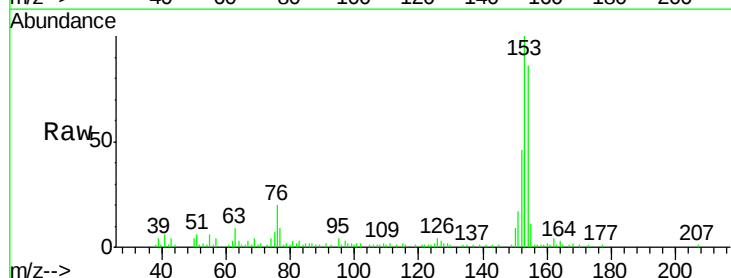
RT: 9.95 min Scan# 1337

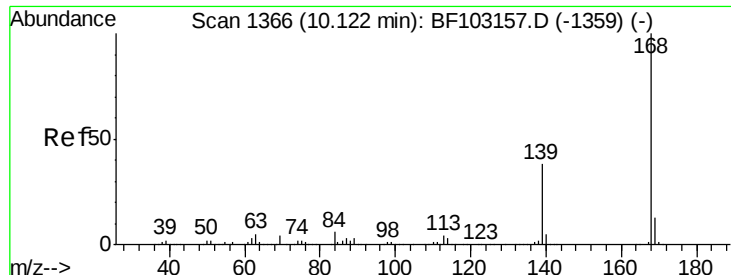
Delta R.T. -0.00 min

Lab File: BF103346.D

Acq: 1 Mar 2018 19:30

Tgt Ion:	154	Resp:	43336
Ion Ratio	Lower	Upper	
154	100		
153	116.6	91.2	136.8
152	53.8	43.8	65.8





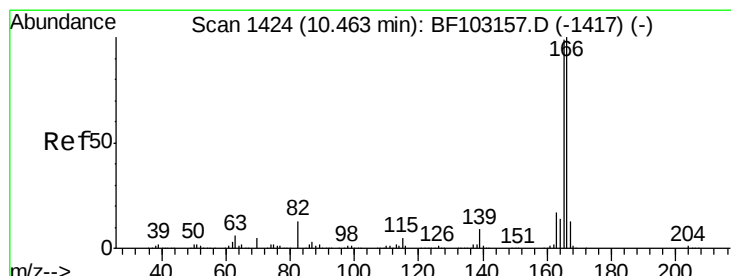
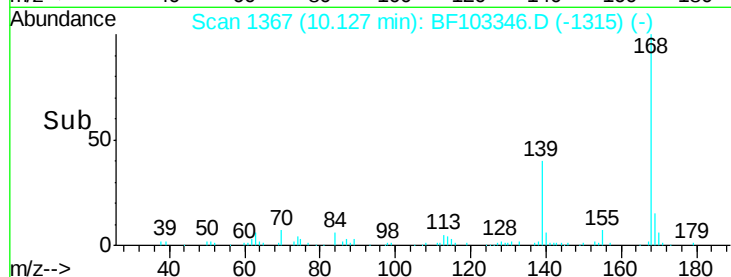
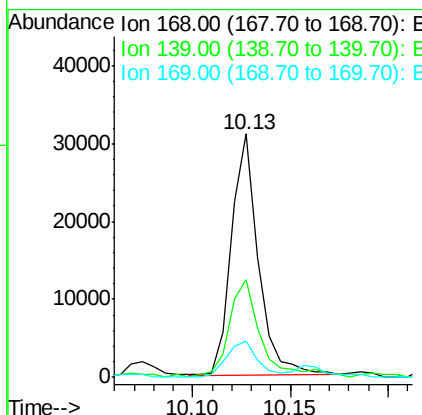
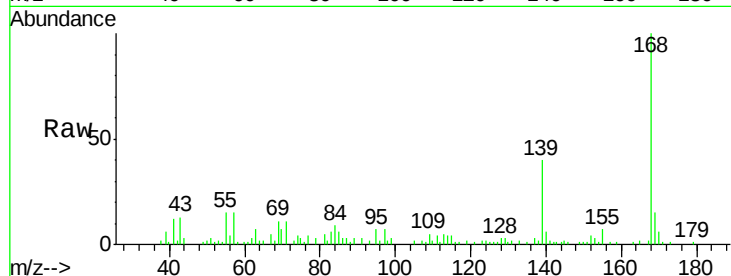
#54
Dibenzenofuran
Concen: 2.262 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Instrument :
BNA_F
ClientSampled :
SP-40

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.0	30.1	45.1
169	14.8	10.9	16.3

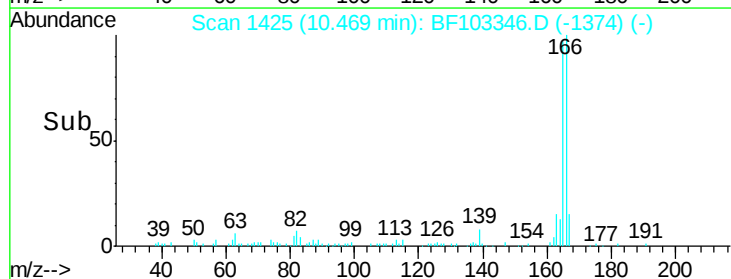
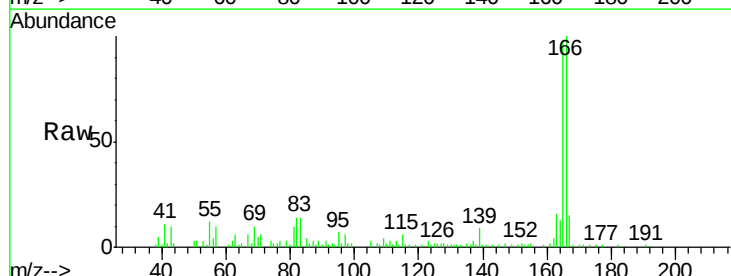
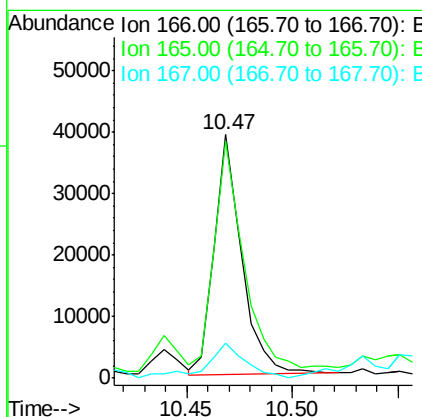
Manual Integrations
APPROVED

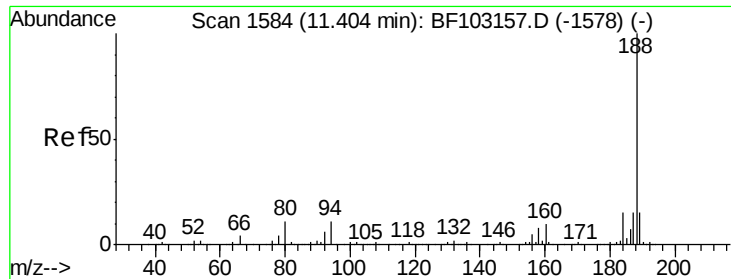
Sohil
3/2/2018 3:30:55 PM



#57
Fluorene
Concen: 3.177 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.8	119.8
167	14.6	10.6	16.0





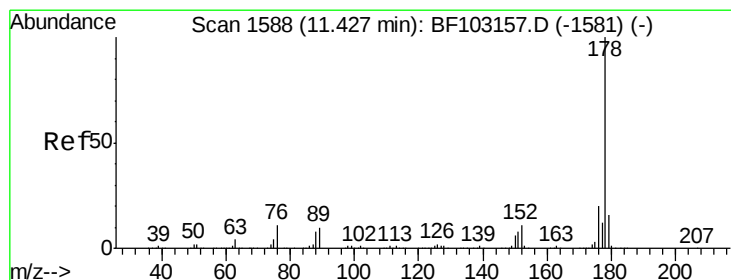
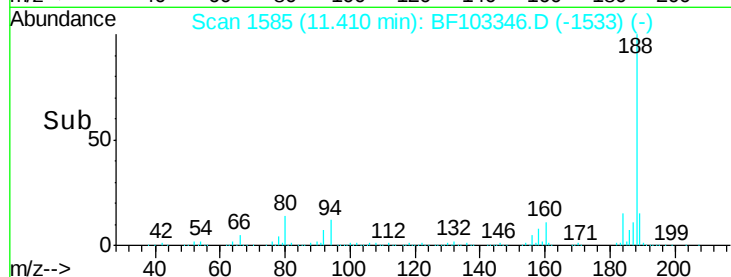
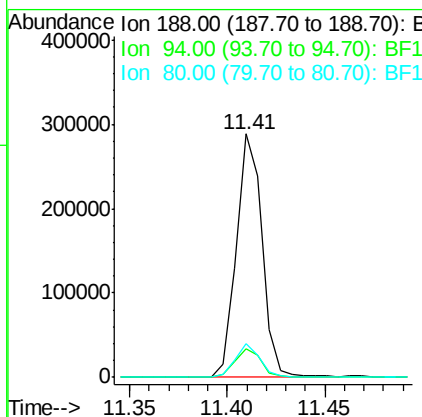
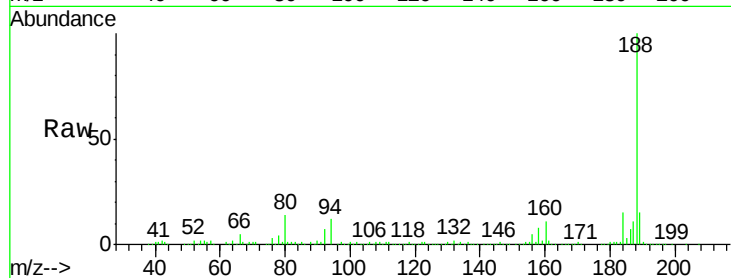
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Instrument :
BNA_F
ClientSampleId :
SP-40

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.0	8.5	12.7
80	13.8	9.2	13.8#

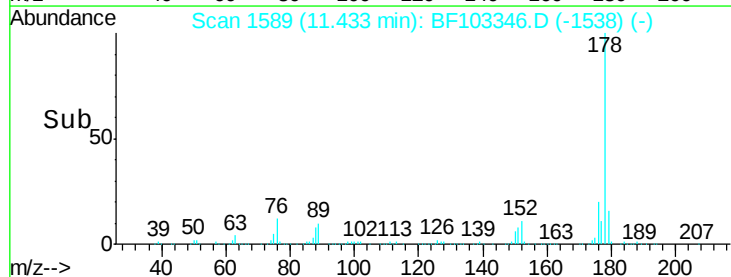
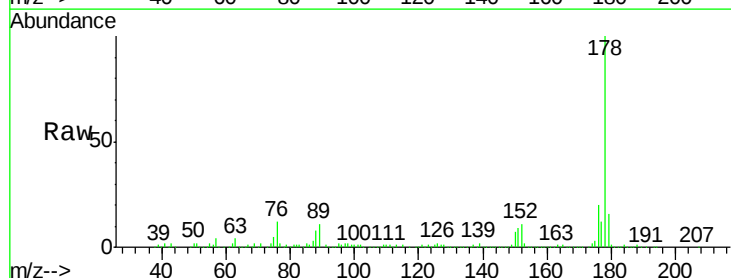
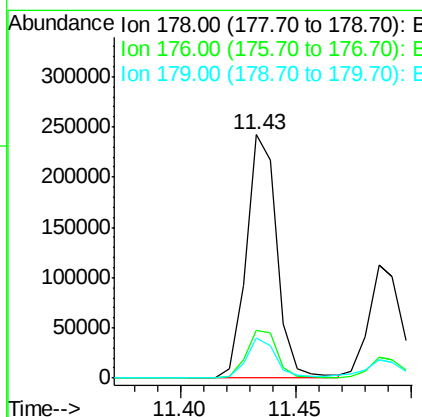
Manual Integrations
APPROVED

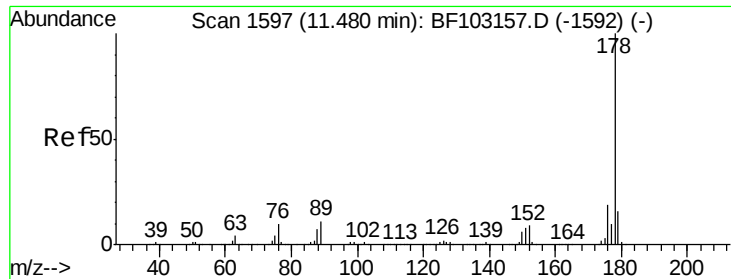
Sohil
3/2/2018 3:30:55 PM



#70
Phenanthrene
Concen: 15.311 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.8	23.8
179	16.2	13.0	19.6





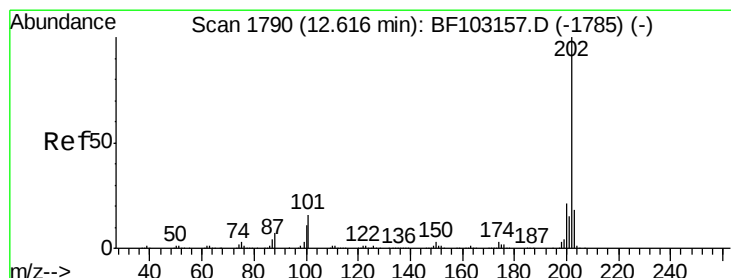
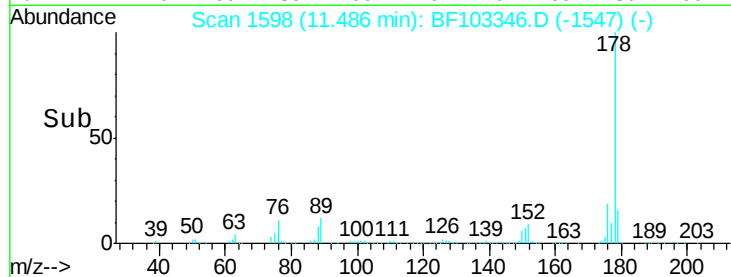
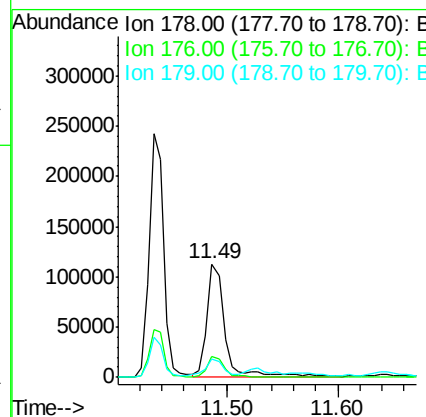
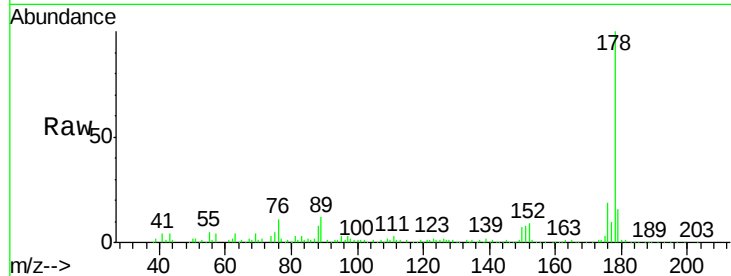
#71
 Anthracene
 Concen: 8.008 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF103346.D
 Acq: 1 Mar 2018 19:30

Instrument :
 BNA_F
 ClientSampled :
 SP-40

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	18.9	15.4	23.2		
179	16.3	12.6	19.0		

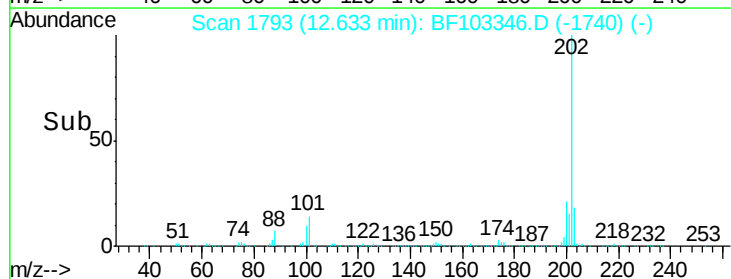
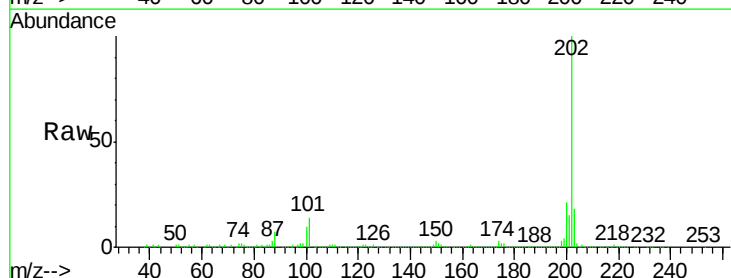
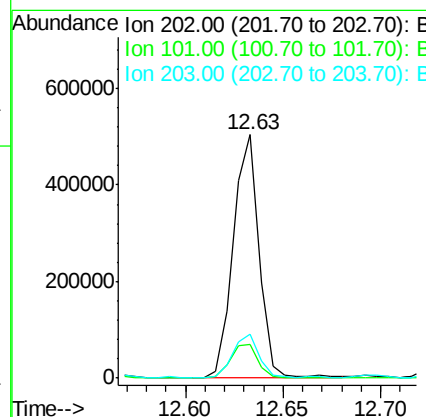
Manual Integrations
 APPROVED

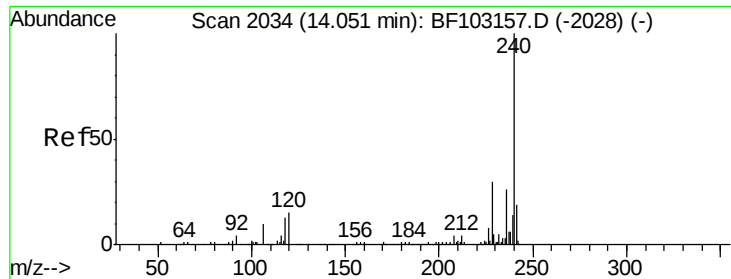
Sohil
 3/2/2018 3:30:55 PM



#74
 Fluoranthene
 Concen: 31.573 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. 0.01 min
 Lab File: BF103346.D
 Acq: 1 Mar 2018 19:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	13.9	0.0	34.1		
203	18.1	0.0	38.1		





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF103346.D

Acq: 1 Mar 2018 19:30

Instrument :

BNA_F

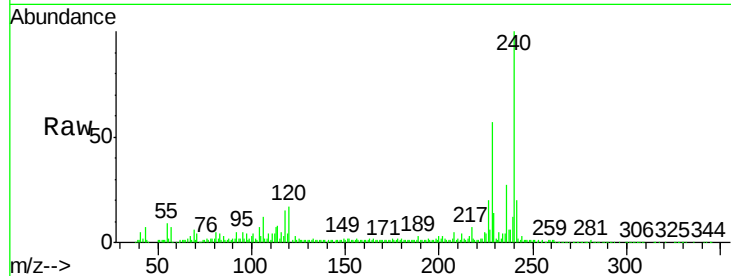
ClientSampled :

SP-40

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.1	9.5	14.3
236	27.0	20.7	31.1

Manual Integrations
APPROVED

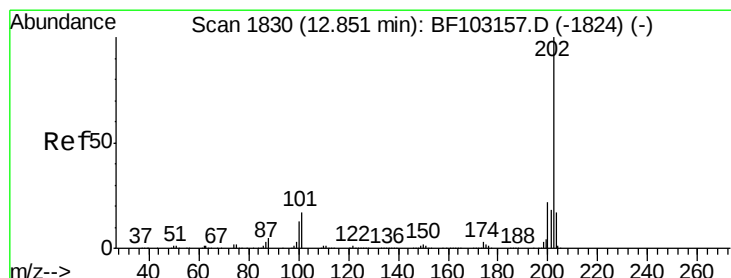
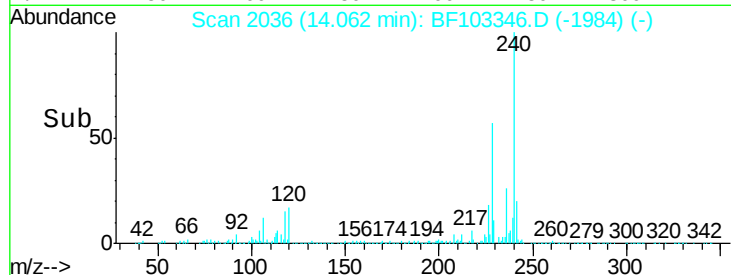
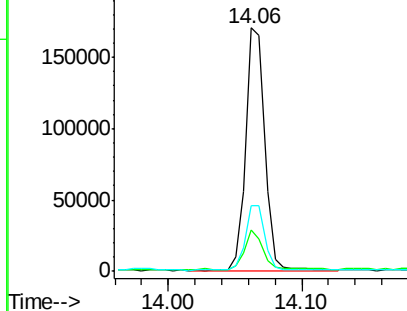
Sohil
3/2/2018 3:30:55 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 39.407 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF103346.D

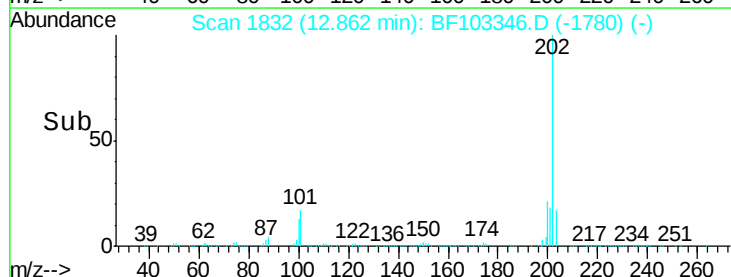
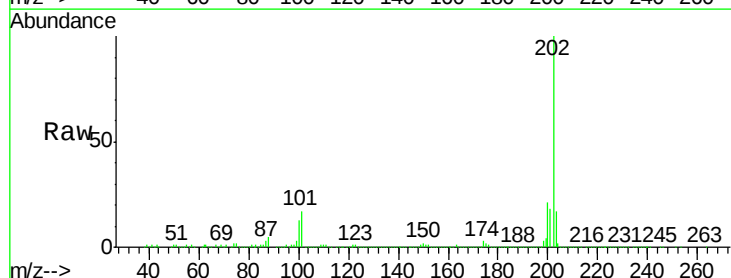
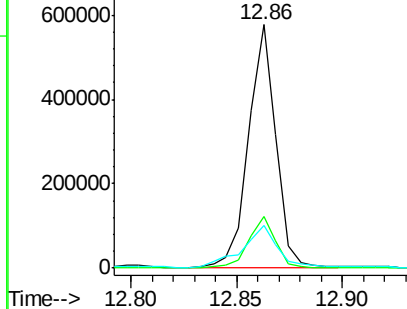
Acq: 1 Mar 2018 19:30

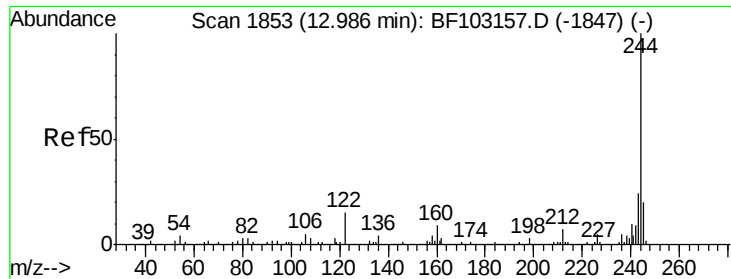
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.4	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





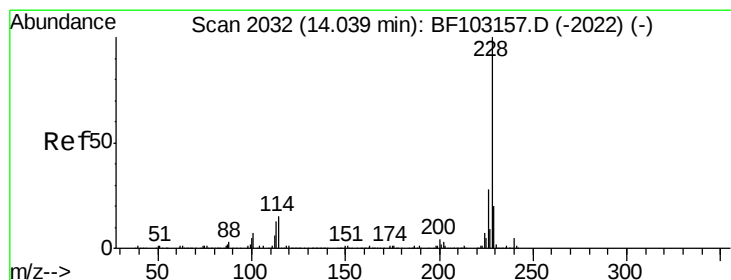
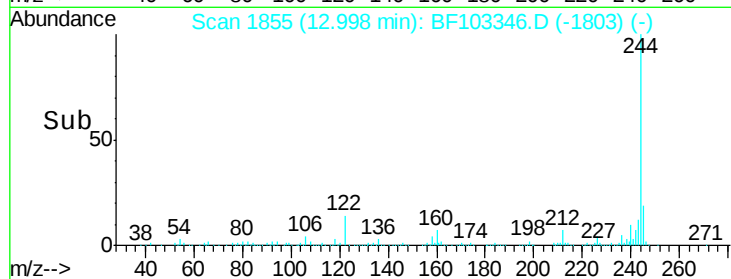
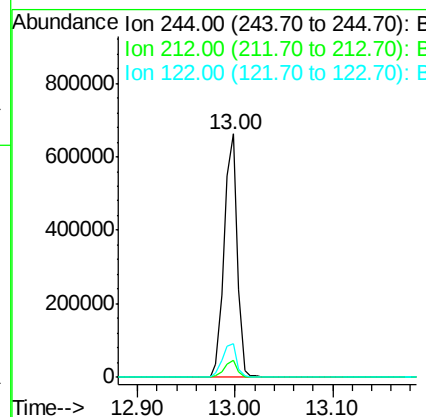
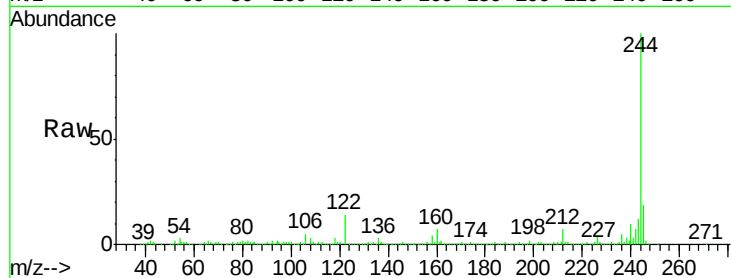
#78
 Terphenyl-d14
 Concen: 88.434 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: BF103346.D
 Acq: 1 Mar 2018 19:30

Instrument :
 BNA_F
 ClientSampled :
 SP-40

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.8	11.0	16.4

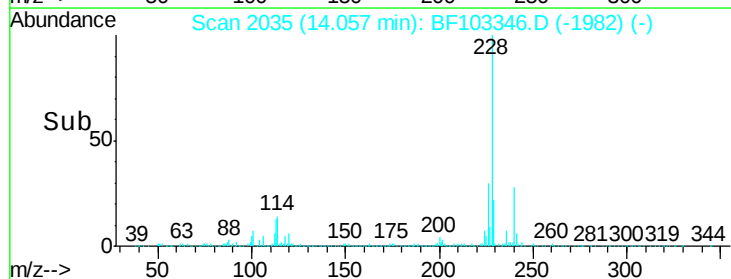
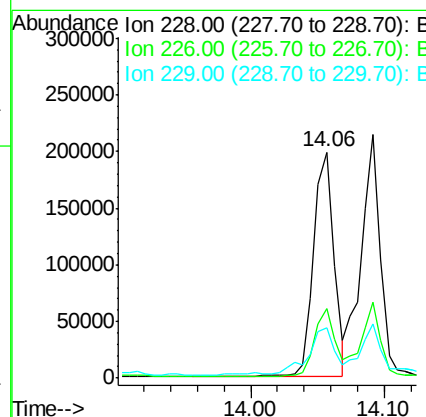
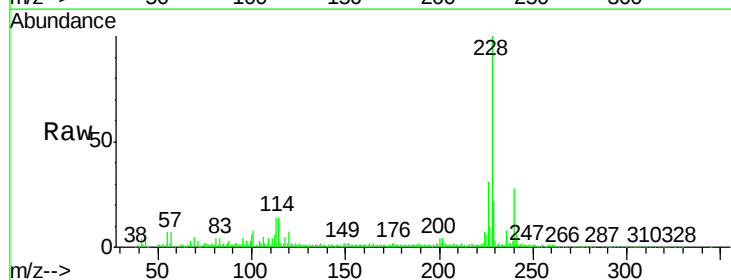
Manual Integrations
 APPROVED

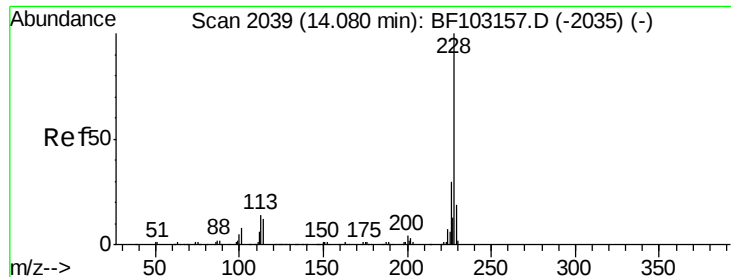
Sohil
 3/2/2018 3:30:55 PM



#80
 Benzo(a)anthracene
 Concen: 19.102 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF103346.D
 Acq: 1 Mar 2018 19:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	22.4	15.8	23.6





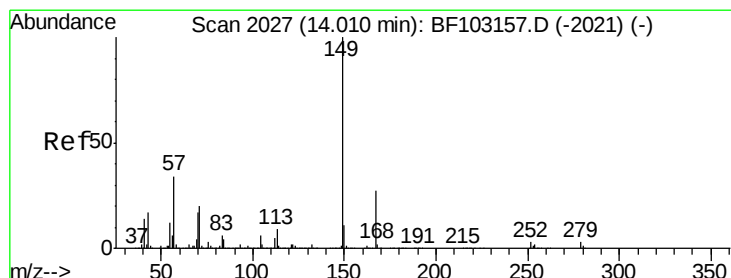
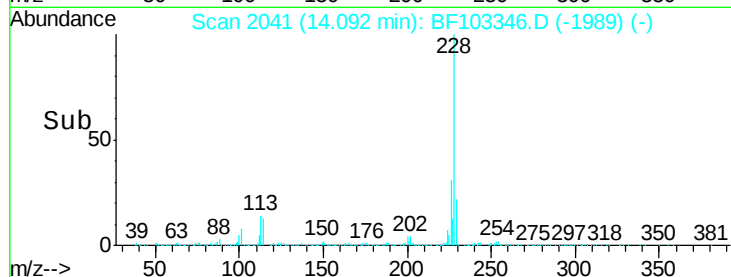
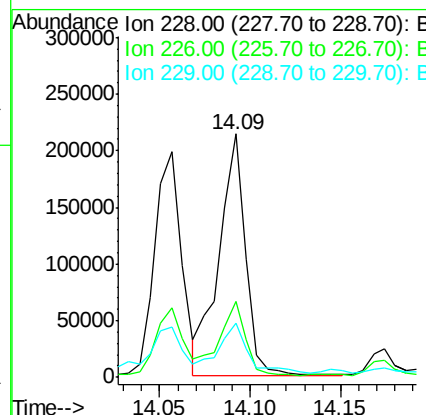
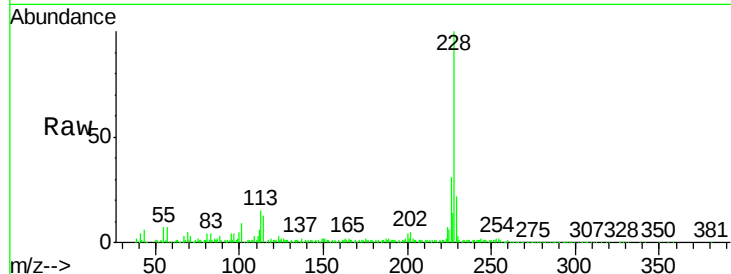
#82
Chrysene
Concen: 20.462 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Instrument :
BNA_F
ClientSampled :
SP-40

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.5	16.2	24.4

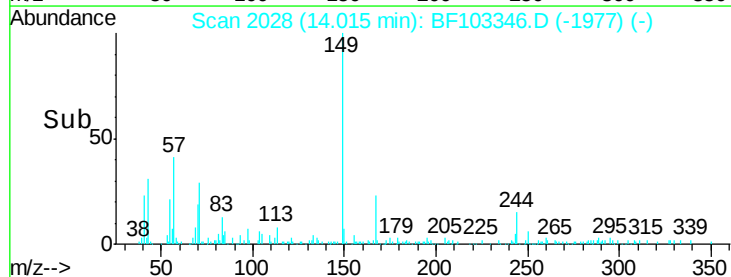
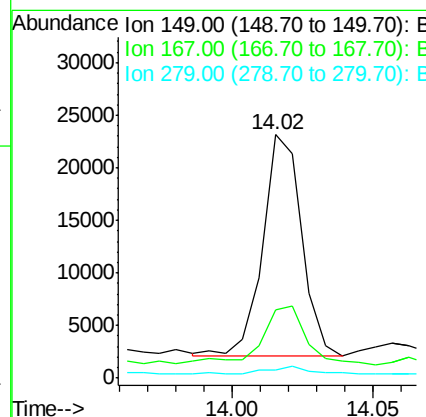
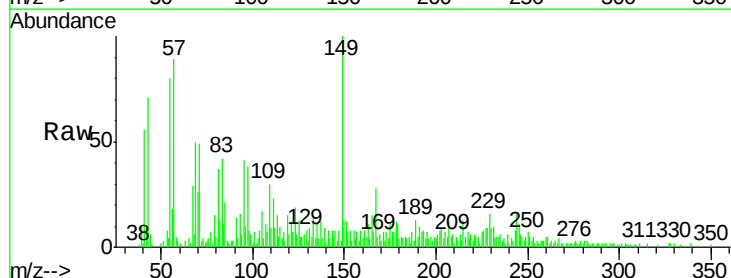
Manual Integrations
APPROVED

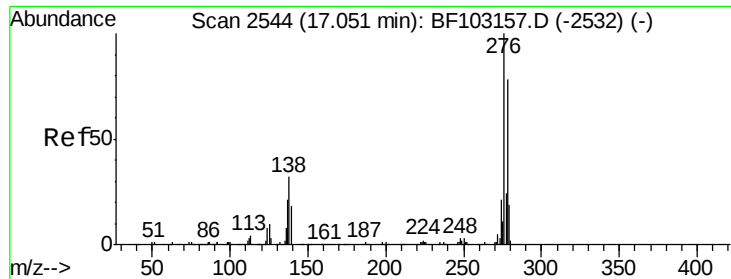
Sohil
3/2/2018 3:30:55 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 2.134 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.3	31.9
279	3.3	3.0	4.4





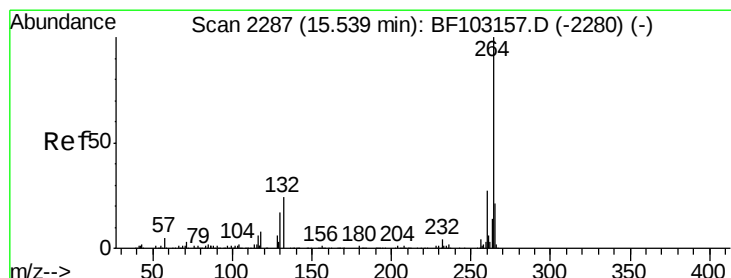
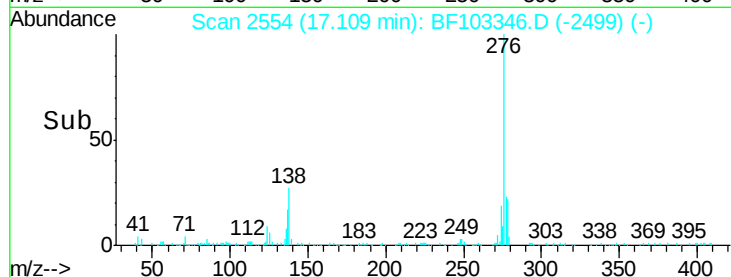
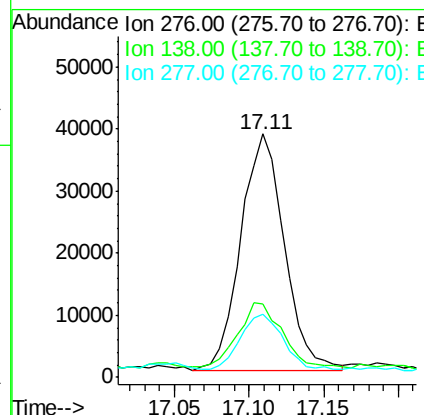
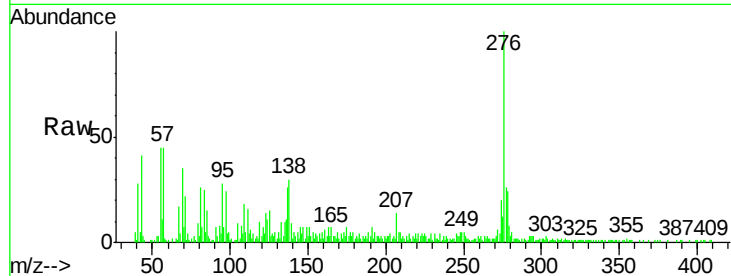
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.144 ng
 RT: 17.11 min Scan# 2554
 Delta R.T. 0.02 min
 Lab File: BF103346.D
 Acq: 1 Mar 2018 19:30

Instrument :
 BNA_F
 ClientSampled :
 SP-40

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.0	37.6
277	24.1	20.1	30.1

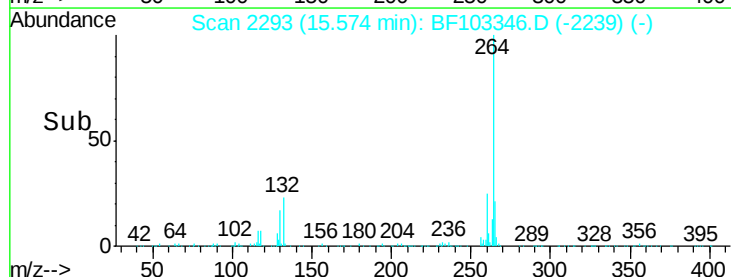
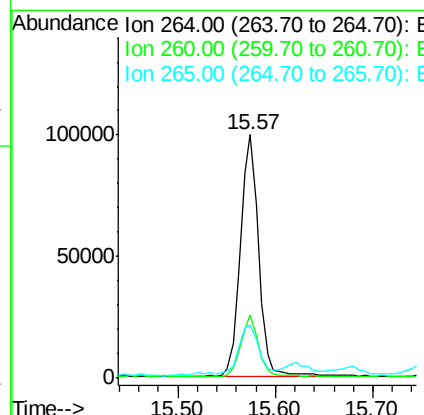
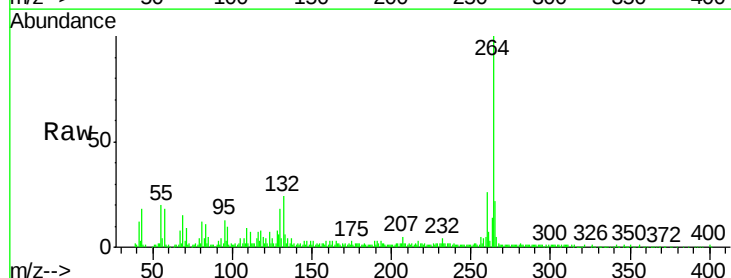
Manual Integrations
 APPROVED

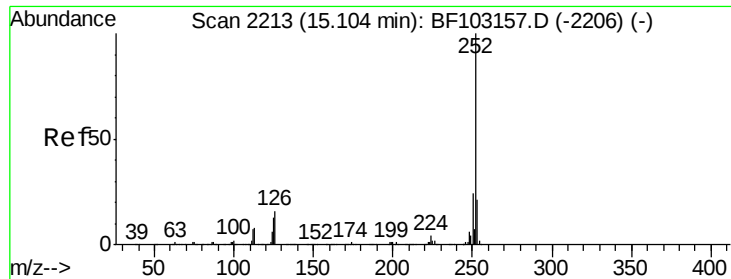
Sohil
 3/2/2018 3:30:55 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.02 min
 Lab File: BF103346.D
 Acq: 1 Mar 2018 19:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	21.8	17.5	26.3





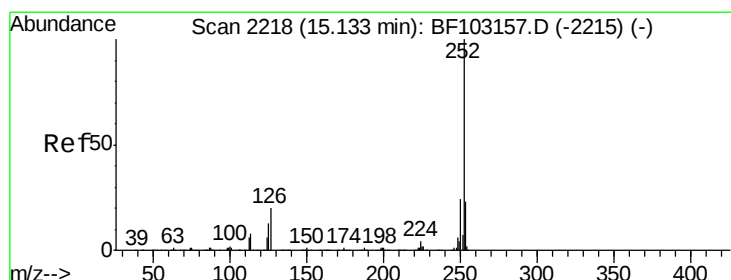
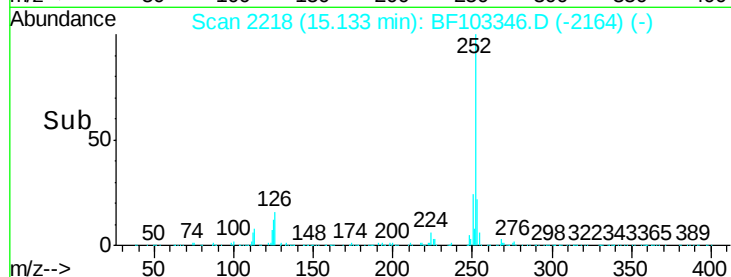
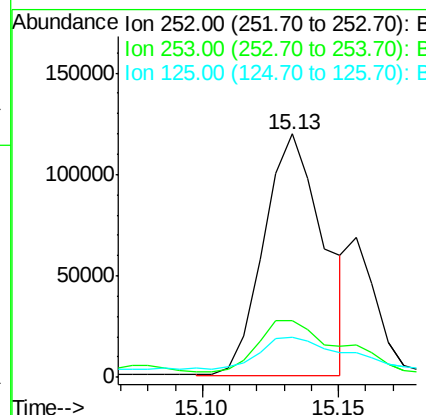
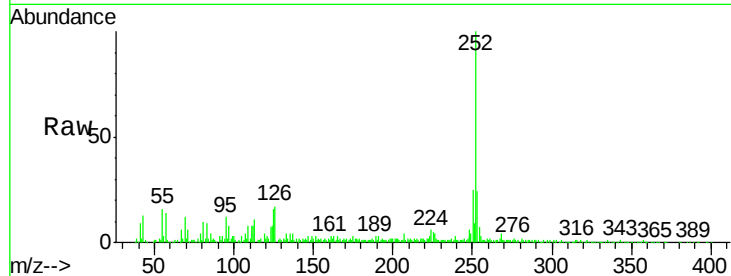
#87
Benzo(b)fluoranthene
Concen: 21.521 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.02 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Instrument :
BNA_F
ClientSampleId :
SP-40

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	16.4	9.0	13.6

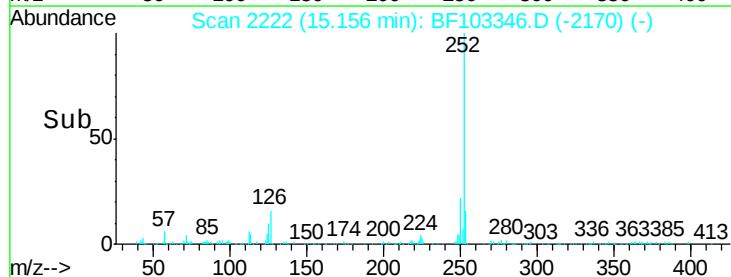
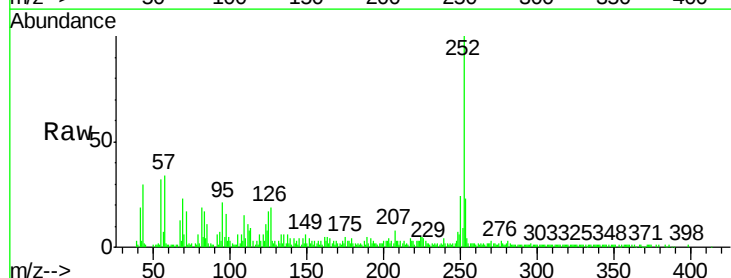
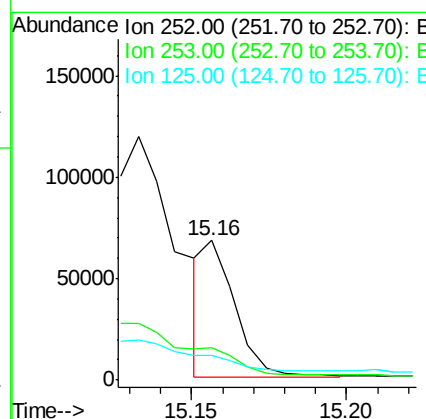
Manual Integrations
APPROVED

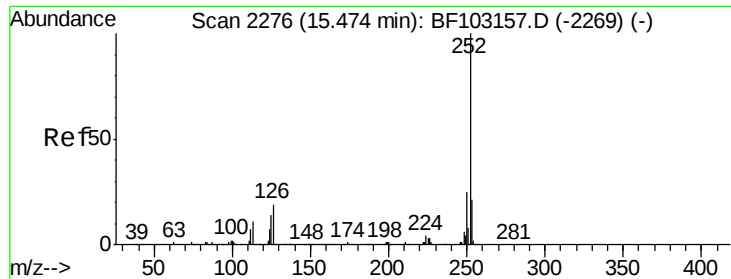
Sohil
3/2/2018 3:30:55 PM



#88
Benzo(k)fluoranthene
Concen: 6.116 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	17.3	10.2	15.2





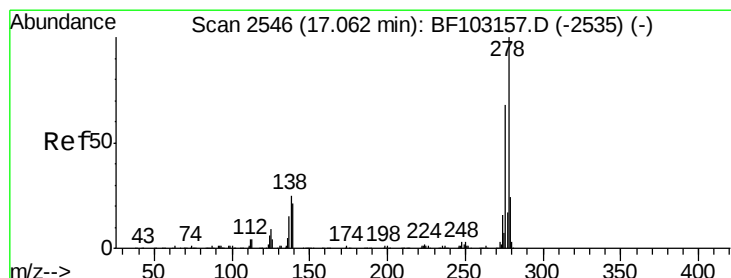
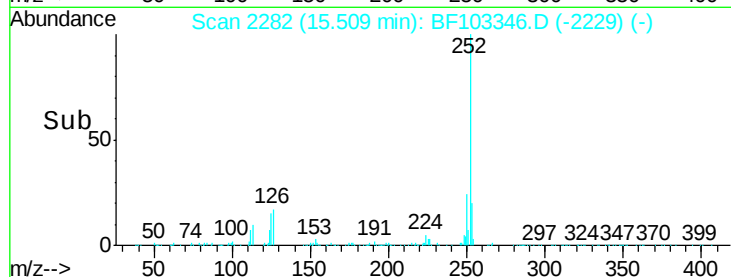
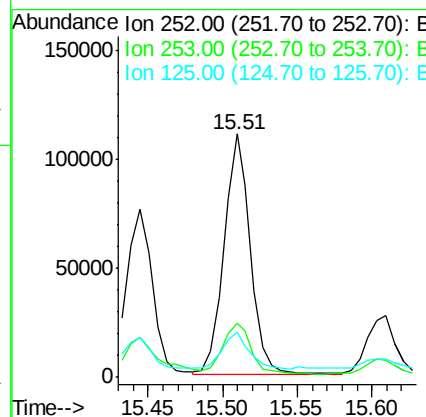
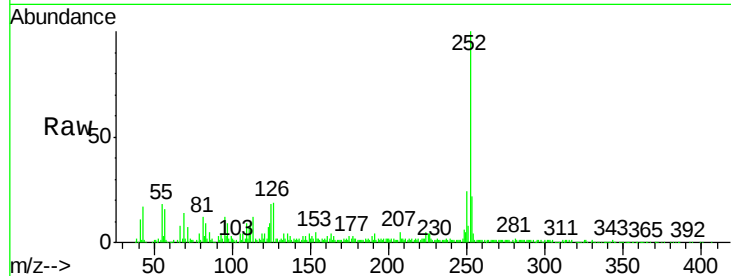
#89
Benzo(a)pyrene
Concen: 18.086 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Instrument :
BNA_F
ClientSampled :
SP-40

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	18.4	9.8	14.6

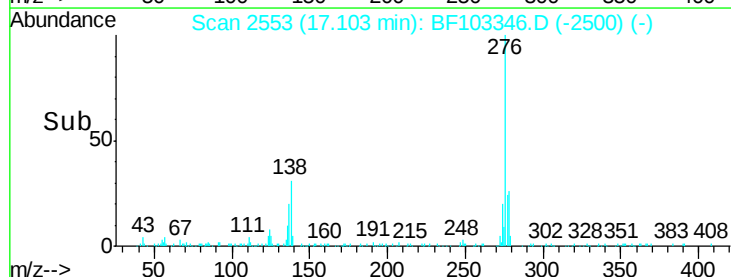
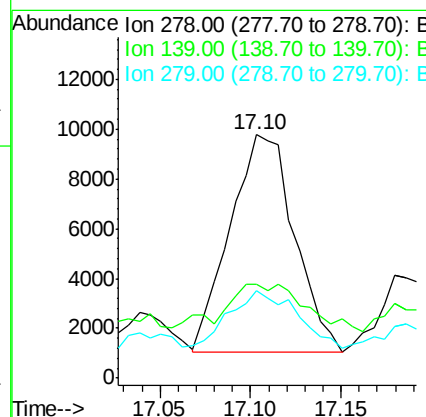
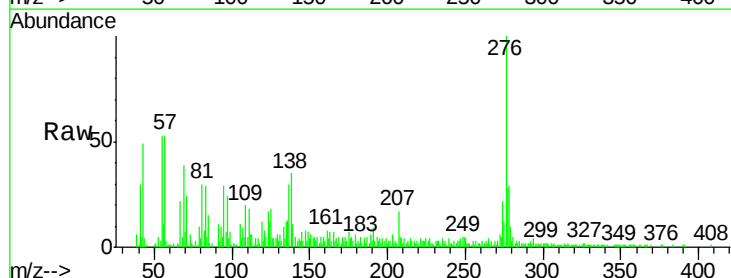
Manual Integrations
APPROVED

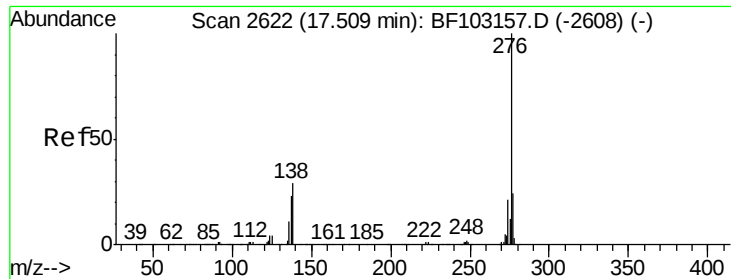
Sohil
3/2/2018 3:30:55 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.671 ng
RT: 17.10 min Scan# 2553
Delta R.T. 0.01 min
Lab File: BF103346.D
Acq: 1 Mar 2018 19:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.6	15.9	23.9
279	35.8	19.0	28.4





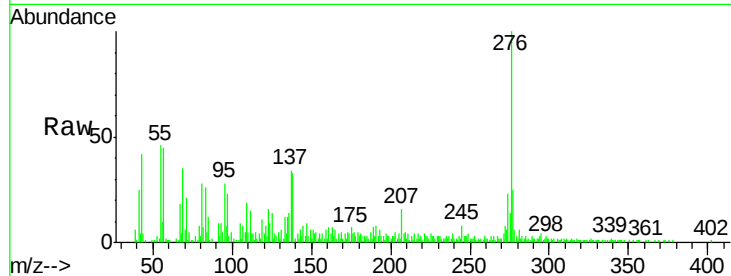
#91
 Benzo(a,h,i)perylene
 Concen: 13.960 ng
 RT: 17.58 min Scan# 2634
 Delta R.T. 0.04 min
 Lab File: BF103346.D
 Acq: 1 Mar 2018 19:30

Instrument :
 BNA_F
 ClientSampled :
 SP-40

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	32.7	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 3/2/2018 3:30:55 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

