

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
 Data File : BF113042.D
 Acq On : 13 Mar 2019 21:44
 Operator : JU/SJ
 Sample : K1870-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Manual Integrations
 APPROVED

Sohil
 3/14/2019 10:50:10 AM

Quant Time: Mar 14 02:36:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	153163	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	573330	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	318052	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	655092	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	523564	20.00	ng	-0.01
87) Perylene-d12	15.26	264	505946	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	424740	43.14	ng	-0.01
7) Phenol-d6	6.37	99	582230	47.07	ng	0.00
23) Nitrobenzene-d5	7.28	82	332968	34.75	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	206633	61.20	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	654424	28.25	ng	-0.01
79) Terphenyl-d14	12.81	244	667121	24.70	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.47	163	62044	2.646	ng	98
71) Phenanthrene	11.26	178	72361	2.220	ng	97
75) Fluoranthene	12.44	202	162285	4.647	ng	94
78) Pyrene	12.66	202	154634	3.503	ng	98
81) Benzo(a)anthracene	13.84	228	76784	2.116	ng	99
83) Chrysene	13.88	228	75403	2.121	ng	96
88) Benzo(b)fluoranthene	14.87	252	108901m	3.328	ng	
90) Benzo(a)pyrene	15.20	252	77546	2.679	ng	97

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

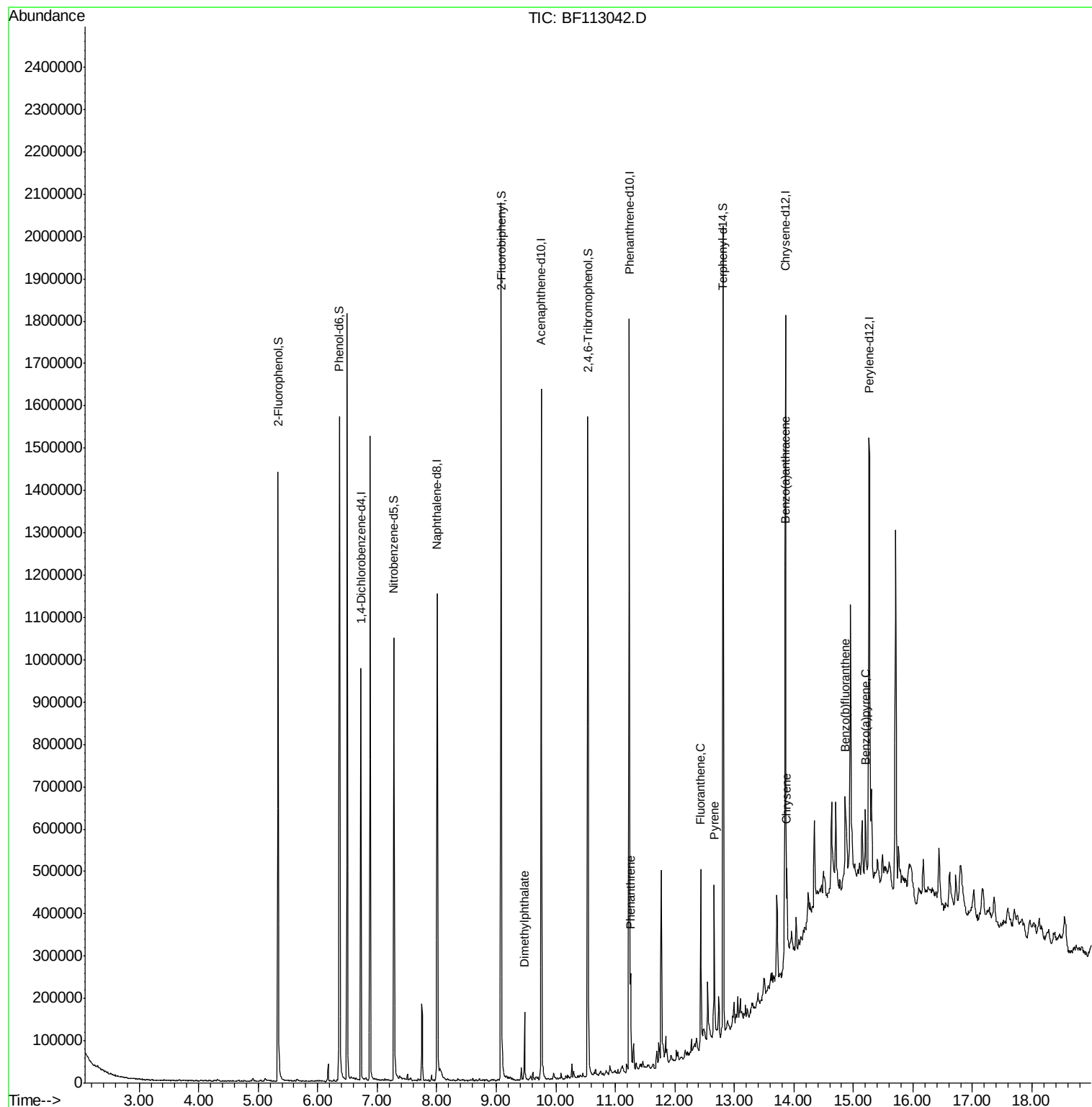
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113042.D
Acq On : 13 Mar 2019 21:44
Operator : JU/SJ
Sample : K1870-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

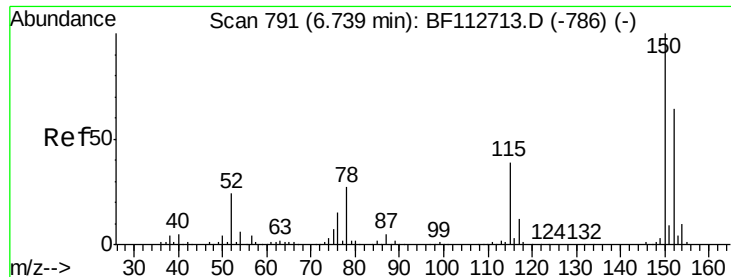
Instrument :
BNA_F
ClientSampled :
SP-1

Manual Integrations
APPROVED

Sohil
3/14/2019 10:50:10 AM

Quant Time: Mar 14 02:36:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 13 03:42:55 2019
Response via : Initial Calibration





#1

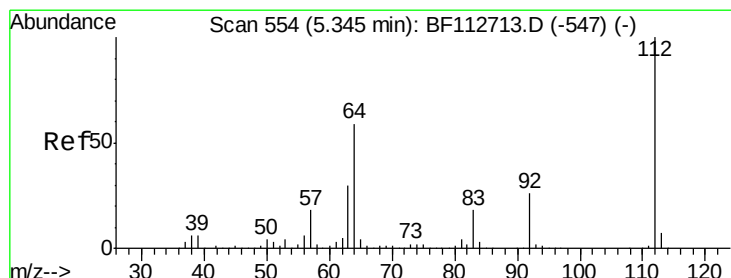
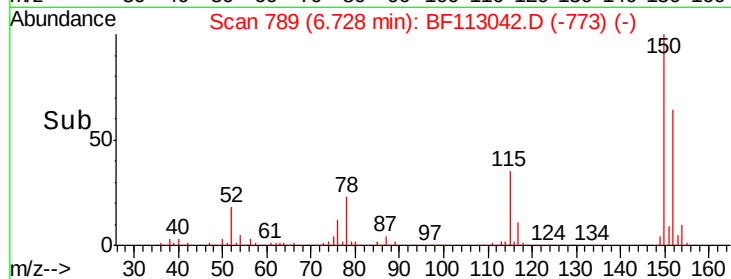
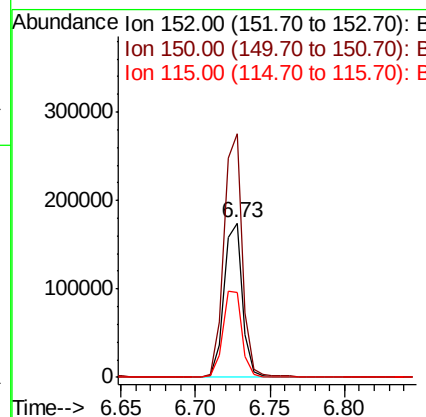
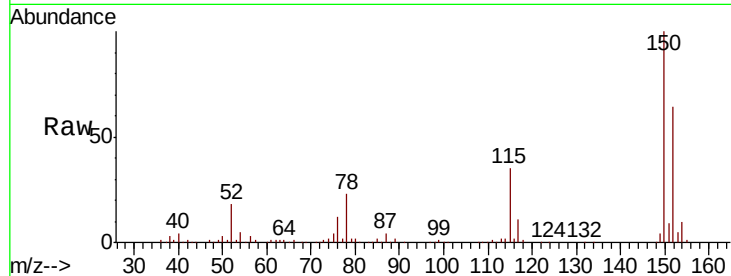
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.2	186.2
115	55.1	48.2	72.4

Manual Integrations
APPROVED

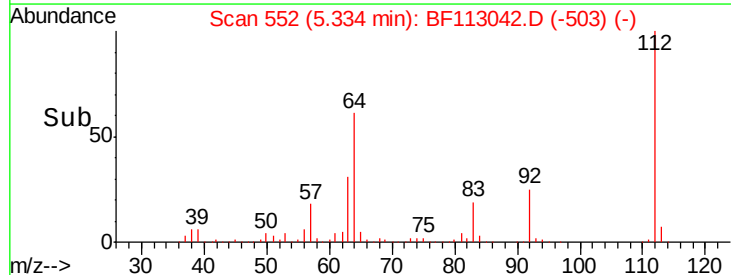
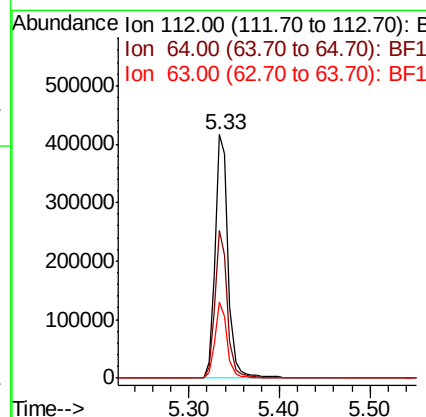
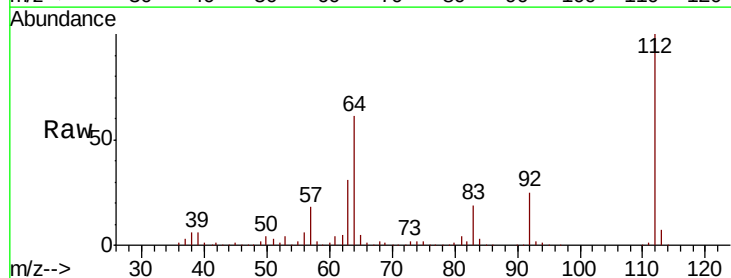
Sohil
3/14/2019 10:50:10 AM

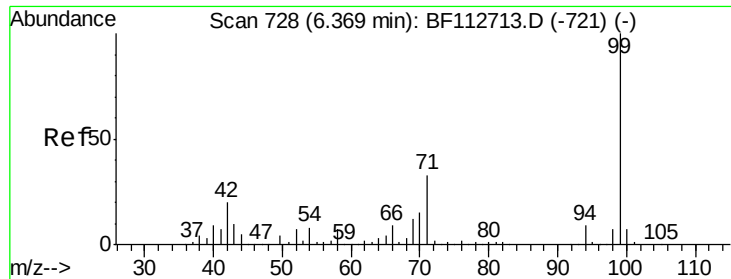


#5

2-Fluorophenol
Concen: 43.137 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.6	71.4
63	31.3	24.4	36.6





#7

Phenol-d6

Concen: 47.073 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 21:44

Instrument :

BNA_F

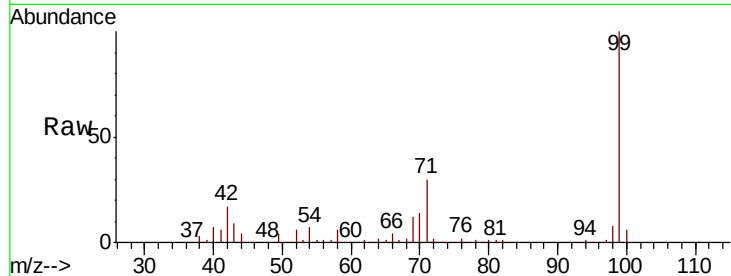
ClientSampled :

SP-1

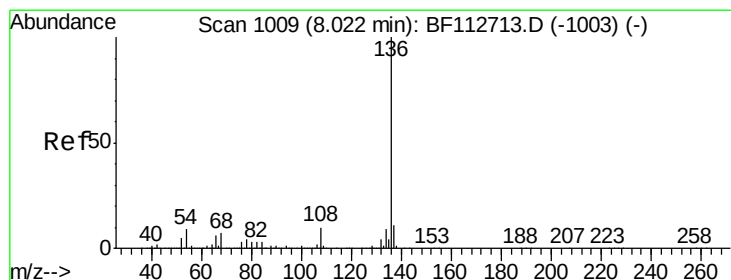
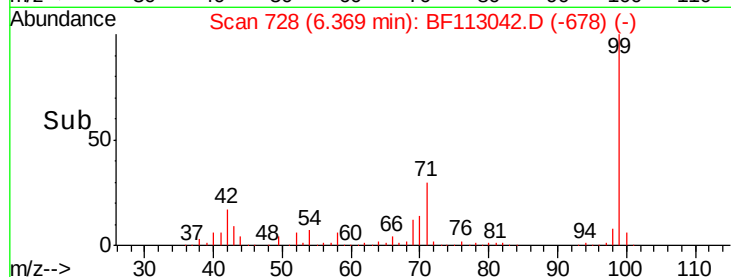
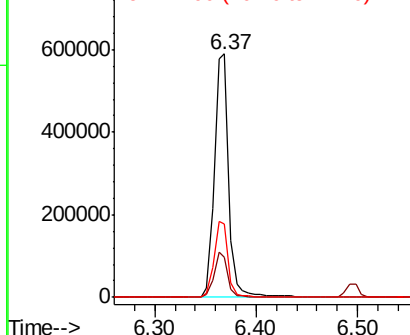
Tot Ion:	99	Resp:	582230
Ion Ratio	Lower	Upper	
99	100		
42	16.6	16.3	24.5
71	30.2	26.2	39.4

Manual Integrations
APPROVED

Sohil
3/14/2019 10:50:10 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

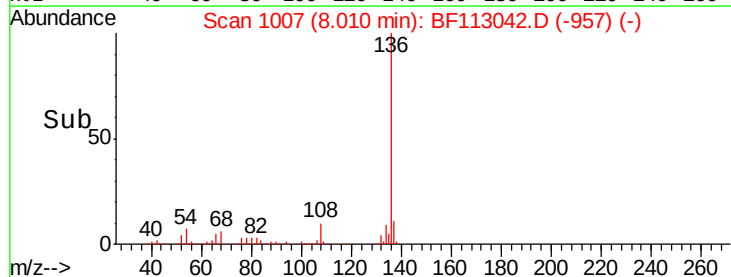
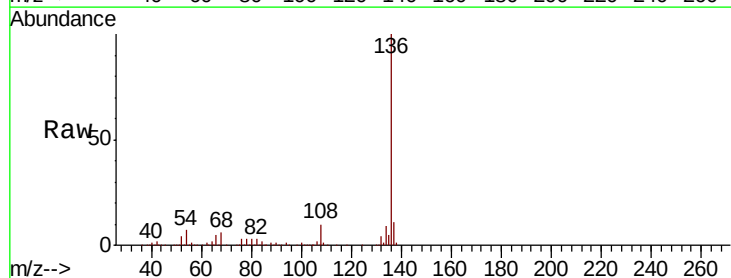
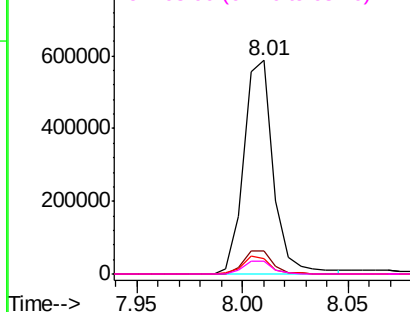
Delta R.T. -0.01 min

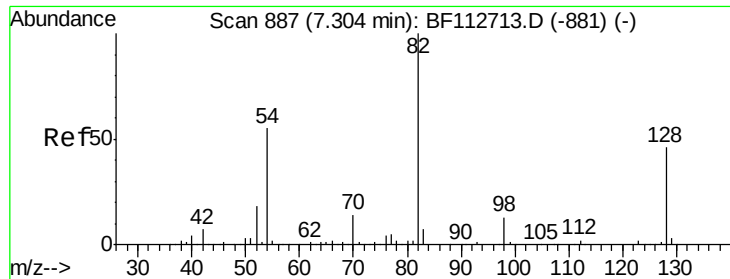
Lab File: BF113042.D

Acq: 13 Mar 2019 21:44

Tgt Ion:	136	Resp:	573330
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.3	7.3	10.9
68	5.7	5.4	8.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





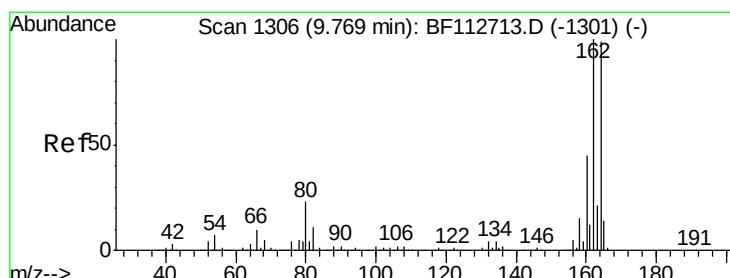
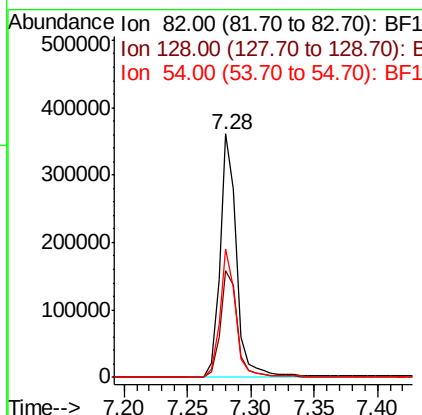
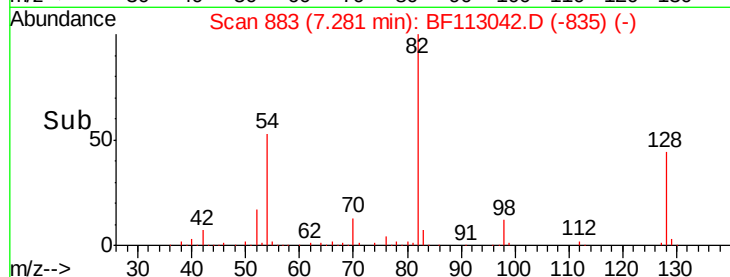
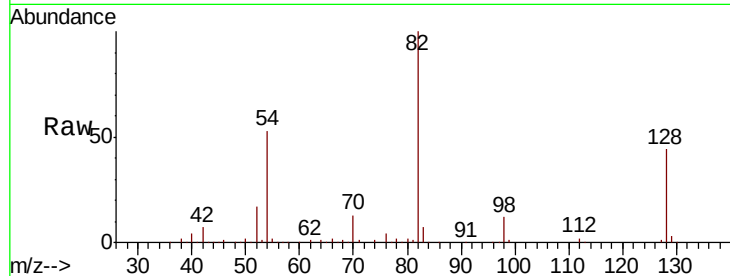
#23
Nitrobenzene-d5
Concen: 34.752 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	82	Resp	332968
Ion Ratio	100	Lower	Upper
82	100		
128	43.8	36.3	54.5
54	52.7	43.7	65.5

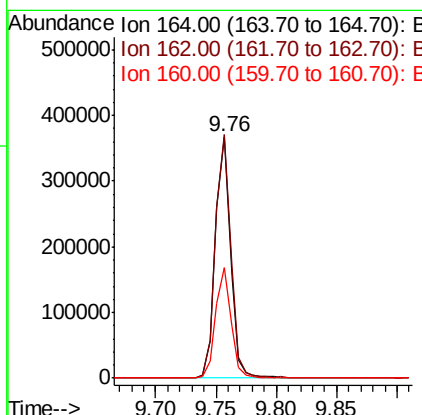
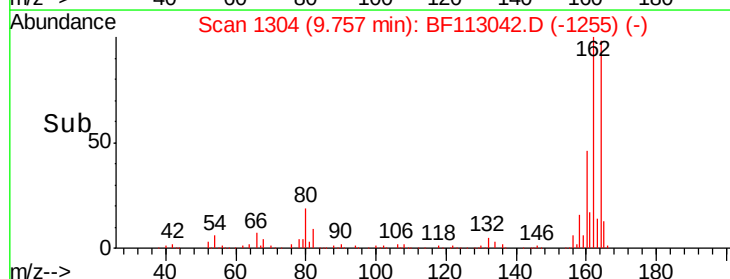
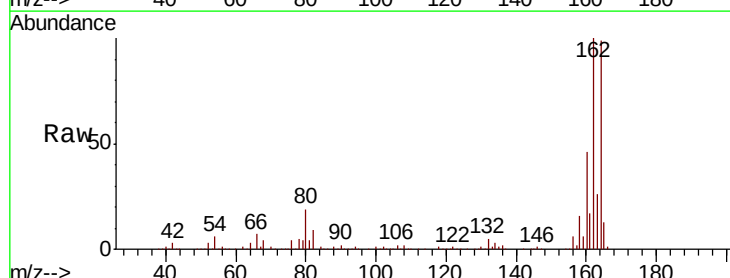
Manual Integrations
APPROVED

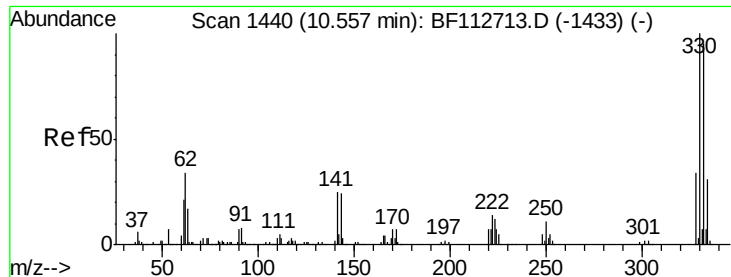
Sohil
3/14/2019 10:50:10 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Tgt Ion	164	Resp	318052
Ion Ratio	100	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	46.0	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 61.197 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 21:44

Instrument :

BNA_F

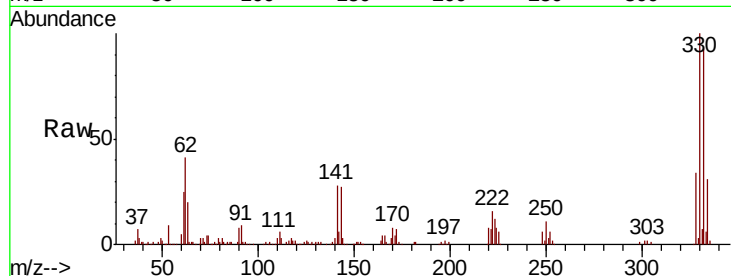
ClientSampled :

SP-1

Tot Ion:	330	Resp:	206633
Ion Ratio	Lower	Upper	
330	100		
332	94.9	76.2	114.4
141	28.2	27.0	40.6

Manual Integrations
APPROVED

Sohil
3/14/2019 10:50:10 AM

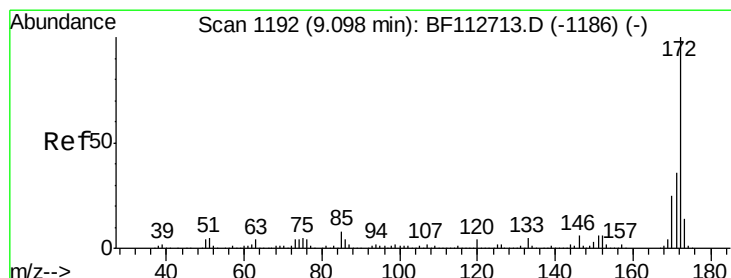
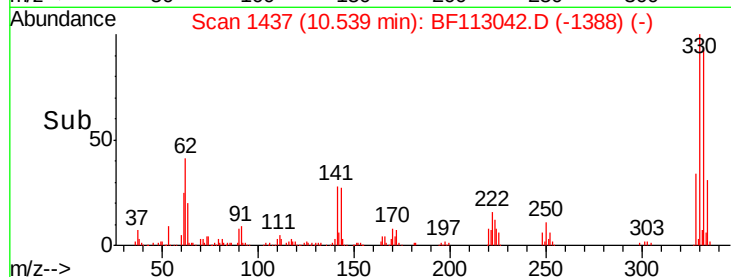
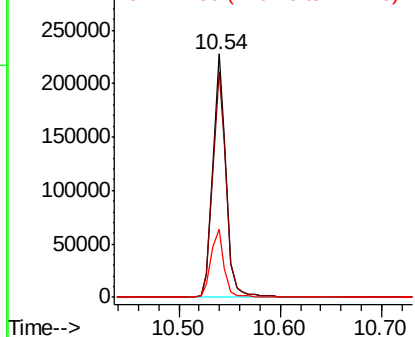


Abundance

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



#45

2-Fluorobiphenyl

Concen: 28.254 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 21:44

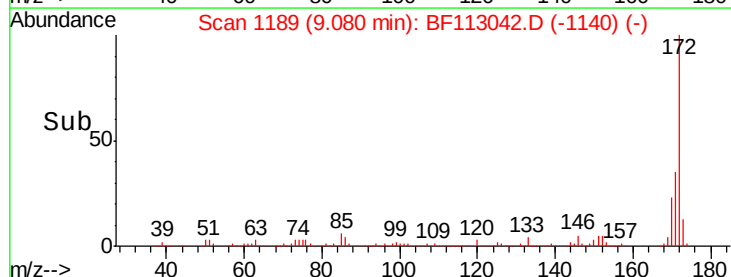
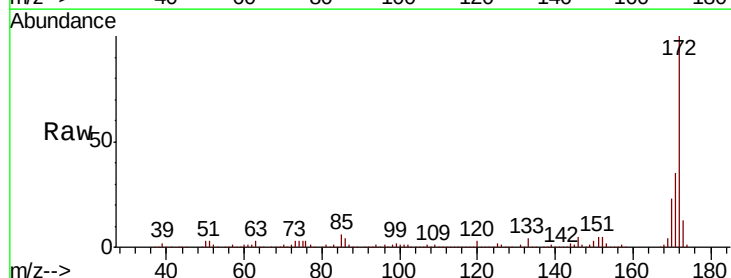
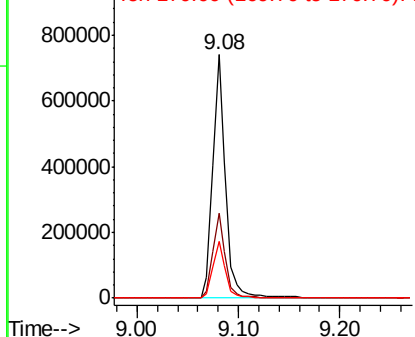
Tgt Ion:	172	Resp:	654424
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.0	43.4
170	23.4	20.0	30.0

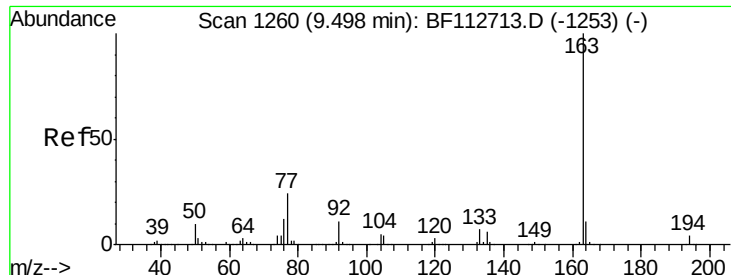
Abundance

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





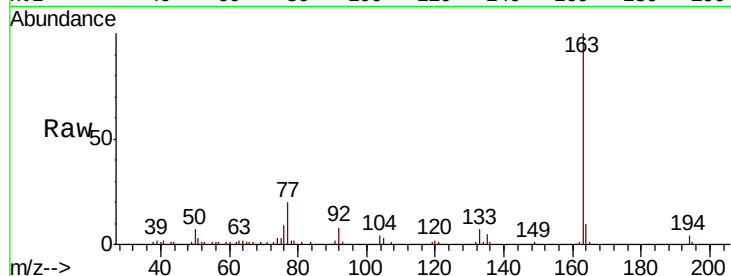
#50
Dimethylphthalate
Concen: 2.646 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Instrument :
BNA_F
ClientSampled :
SP-1

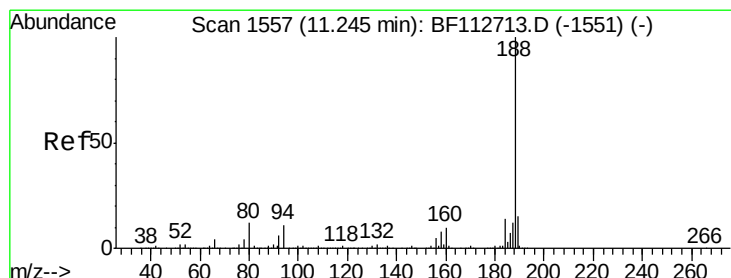
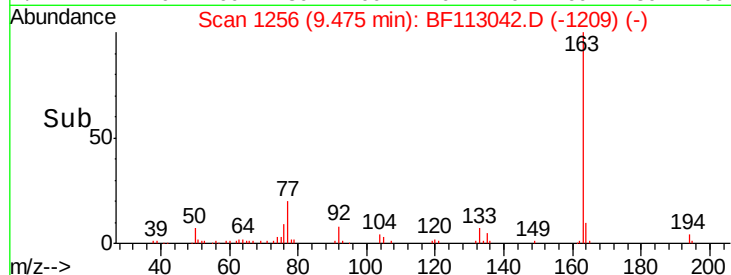
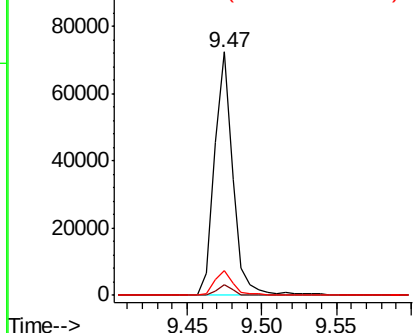
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.4
164	9.9	8.4	12.6

Manual Integrations
APPROVED

Sohil
3/14/2019 10:50:10 AM

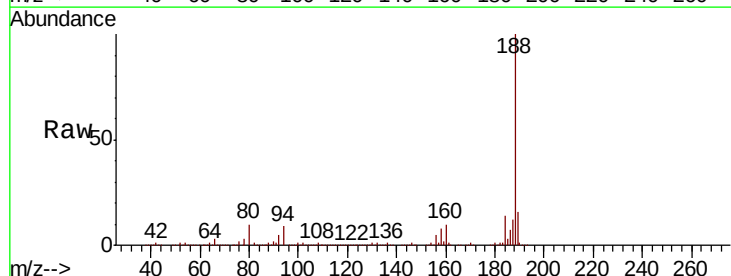


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

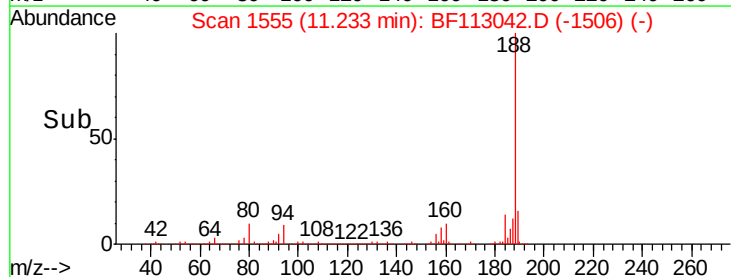
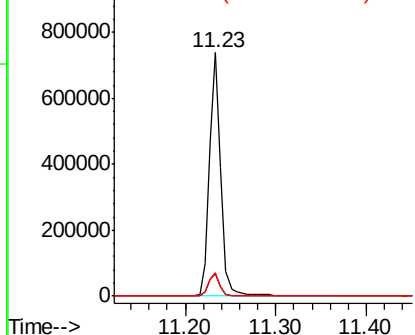


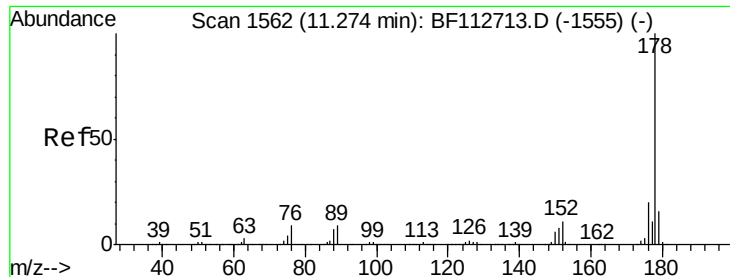
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	9.0	13.4
80	9.5	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 2.220 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 21:44

Instrument :

BNA_F

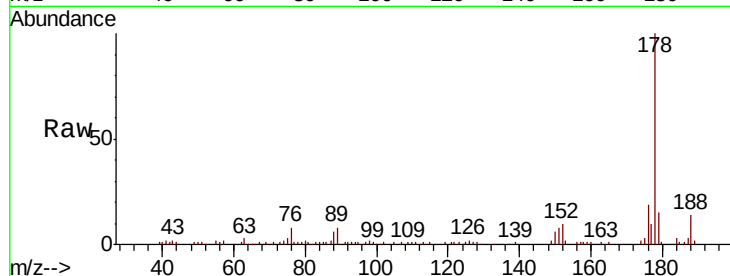
ClientSampled :

SP-1

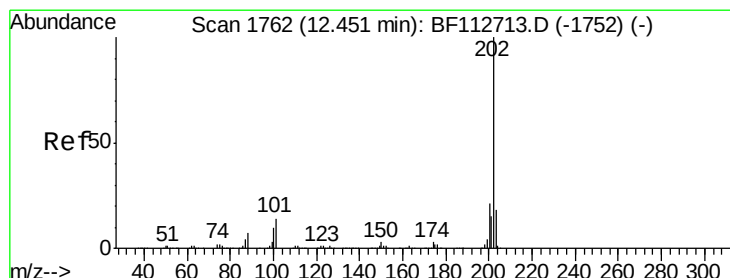
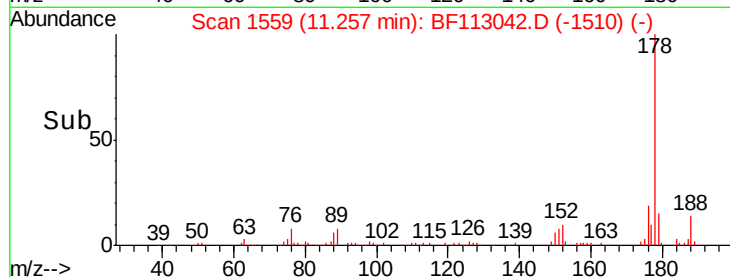
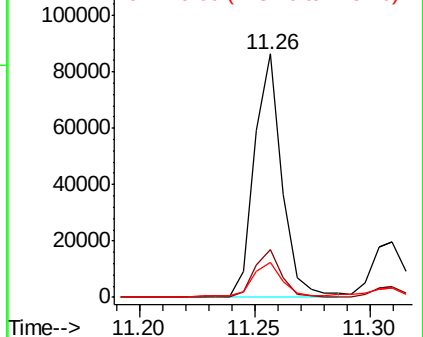
Tot Ion:	178	Resp:	72361
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.3	24.5
179	14.6	12.7	19.1

Manual Integrations
APPROVED

Sohil
3/14/2019 10:50:10 AM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 4.647 ng

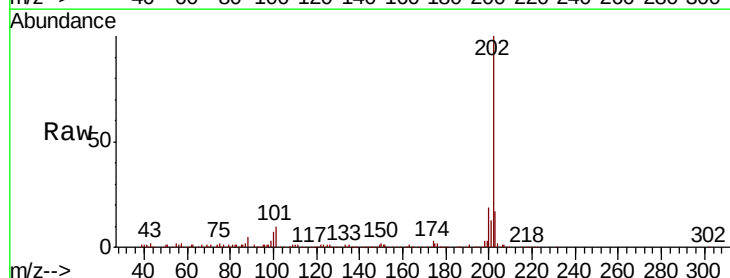
RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

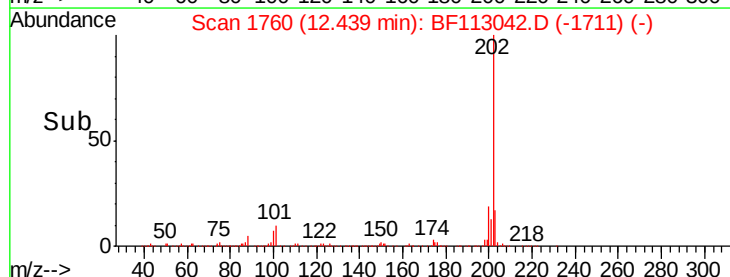
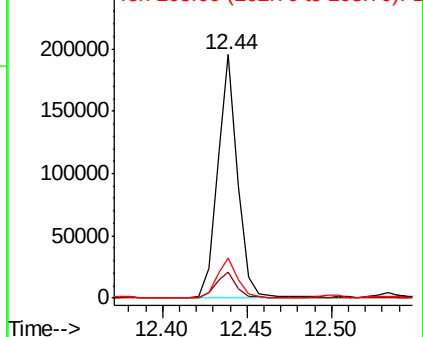
Lab File: BF113042.D

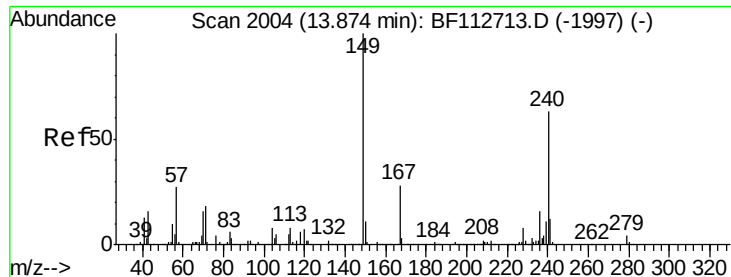
Acq: 13 Mar 2019 21:44

Tgt Ion:	202	Resp:	162285
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	33.8
203	16.5	0.0	38.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





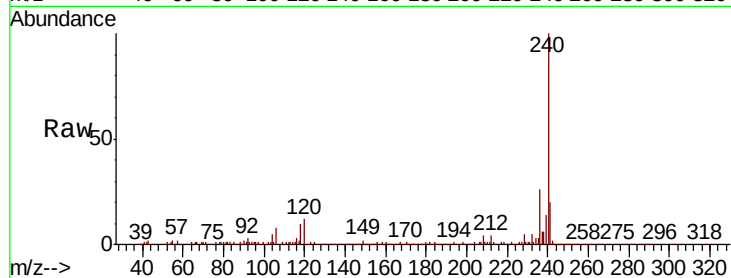
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Instrument :
BNA_F
ClientSampled :
SP-1

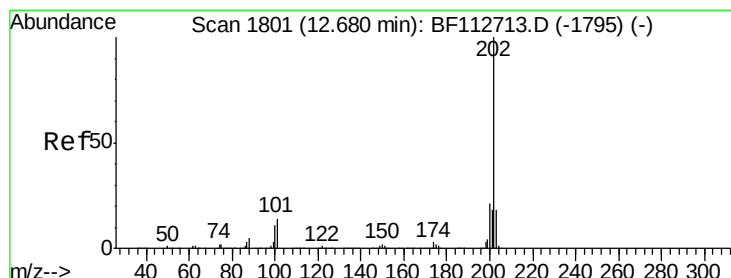
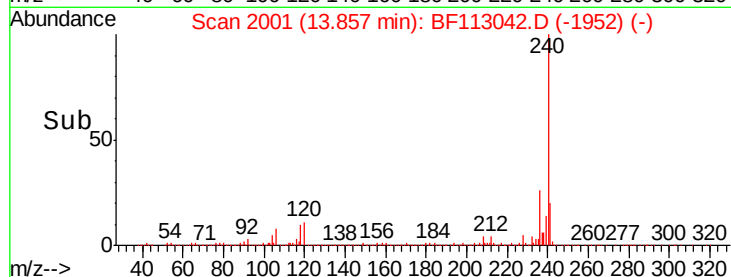
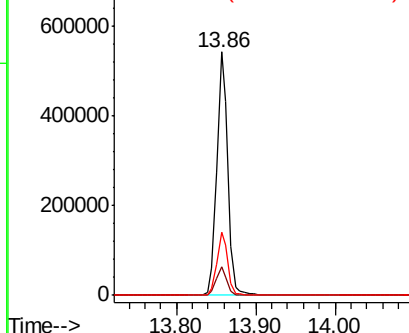
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.9	13.3
236	25.7	20.7	31.1

Manual Integrations
APPROVED

Sohil
3/14/2019 10:50:10 AM

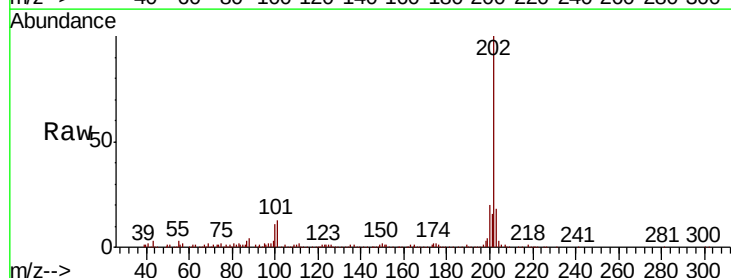


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

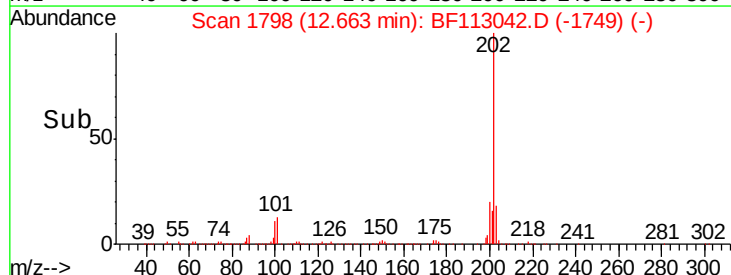
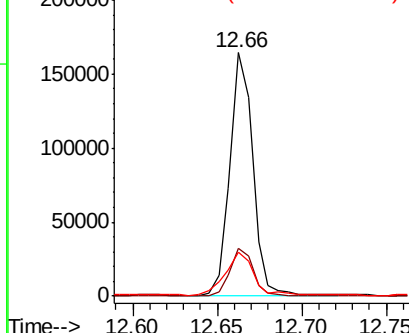


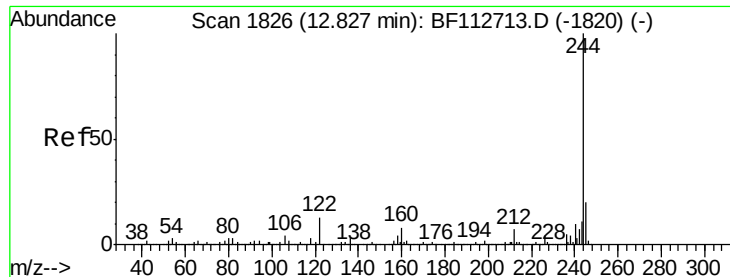
#78
Pyrene
Concen: 3.503 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.0	25.4
203	18.1	14.4	21.6



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





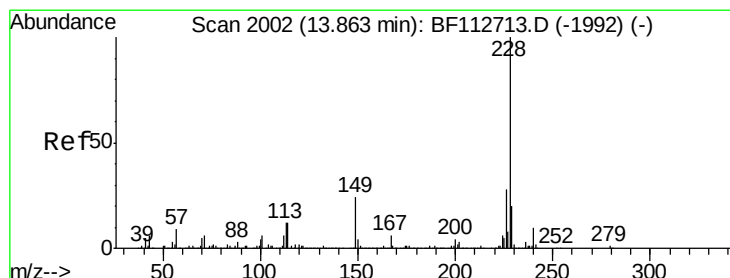
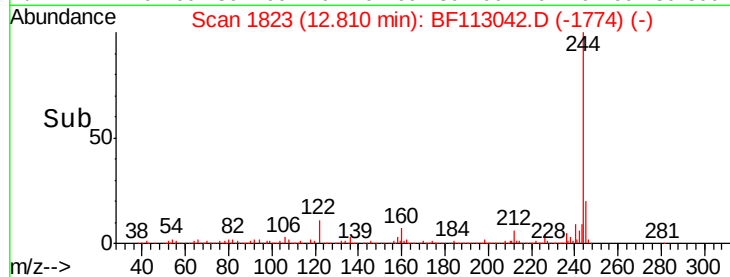
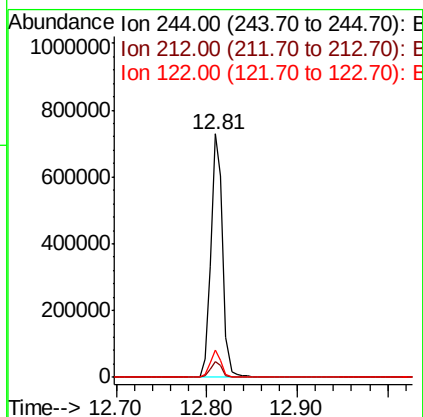
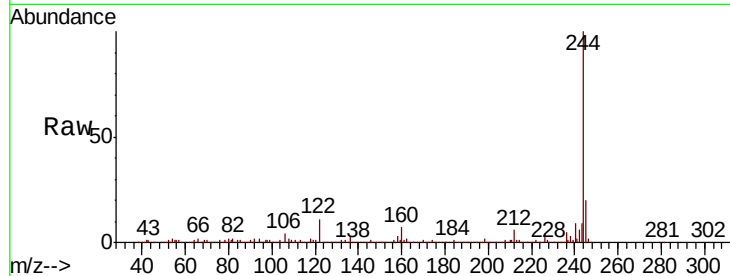
#79
 Terphenyl-d14
 Concen: 24.700 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113042.D
 Acq: 13 Mar 2019 21:44

Instrument :
 BNA_F
 ClientSampled :
 SP-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.4	10.5	15.7

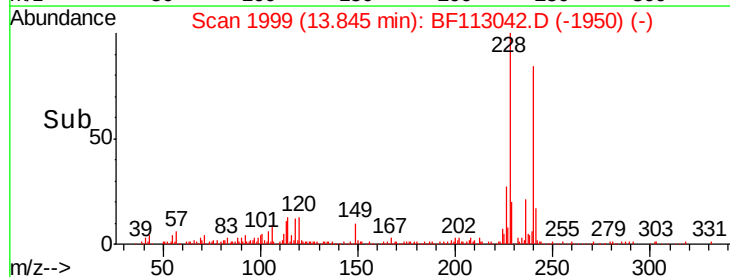
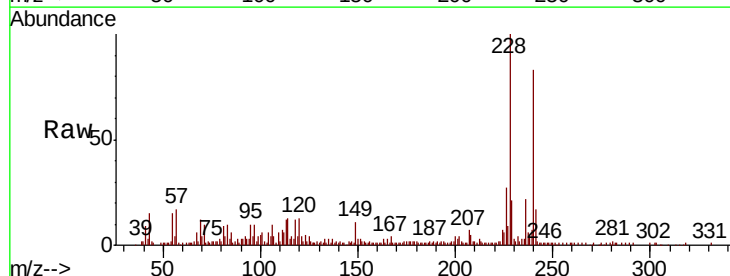
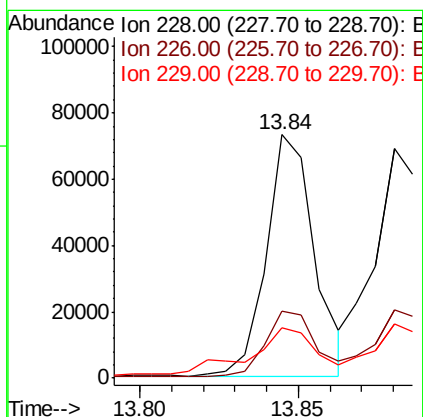
Manual Integrations
 APPROVED

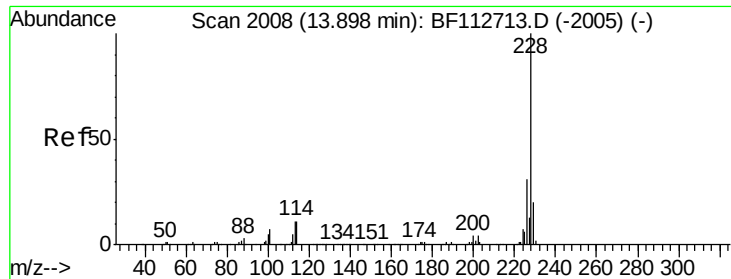
Sohil
 3/14/2019 10:50:10 AM



#81
 Benzo(a)anthracene
 Concen: 2.116 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF113042.D
 Acq: 13 Mar 2019 21:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.4
229	20.7	16.0	24.0





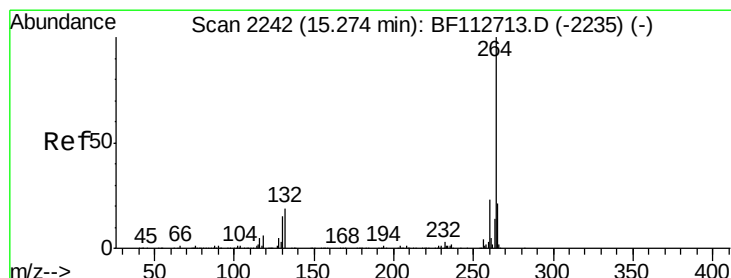
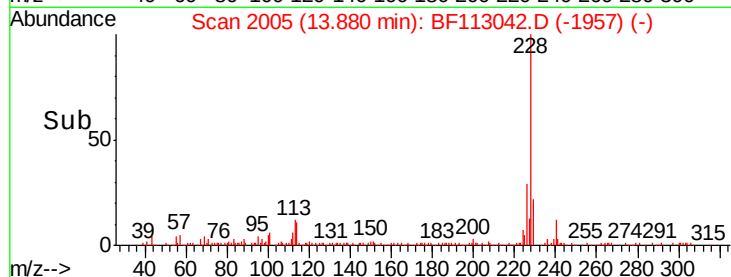
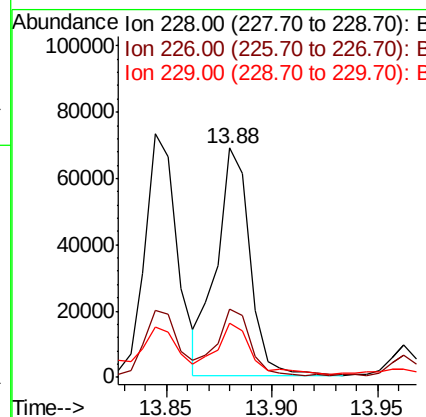
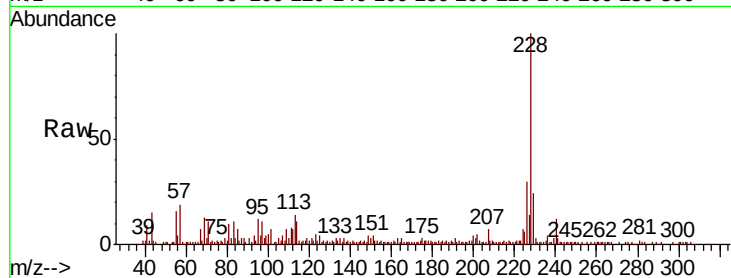
#83
Chrysene
Concen: 2.121 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion:	228	Resp:	75403
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.9	37.3
229	23.8	16.3	24.5

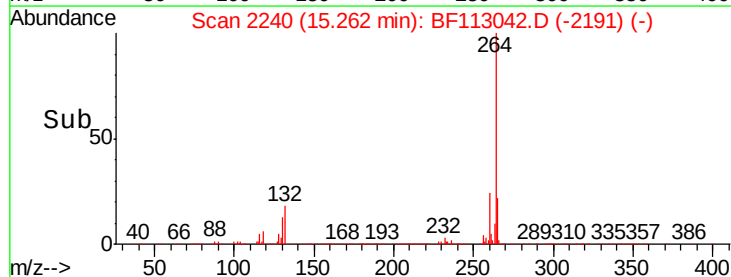
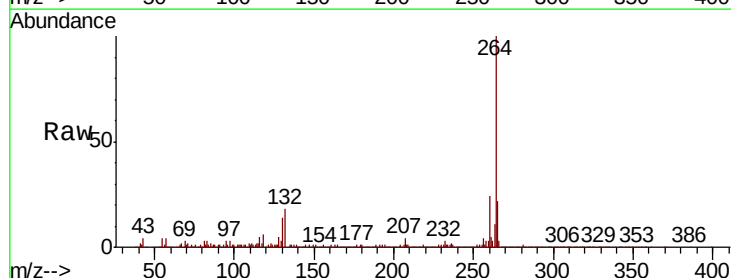
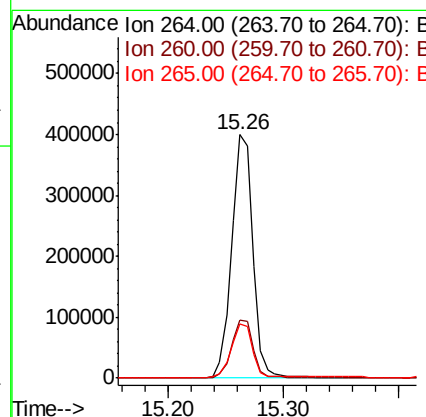
Manual Integrations
APPROVED

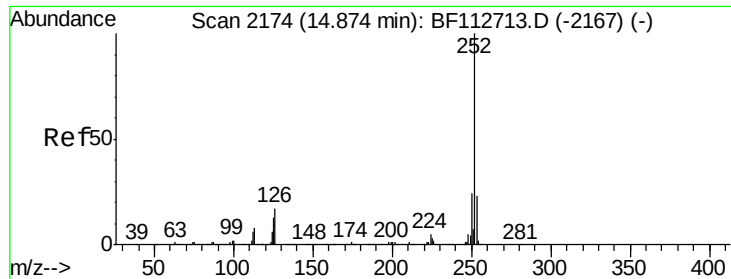
Sohil
3/14/2019 10:50:10 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Tgt Ion:	264	Resp:	505946
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.7	28.1
265	22.4	17.2	25.8





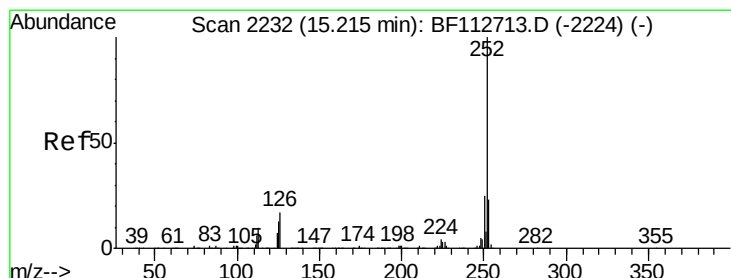
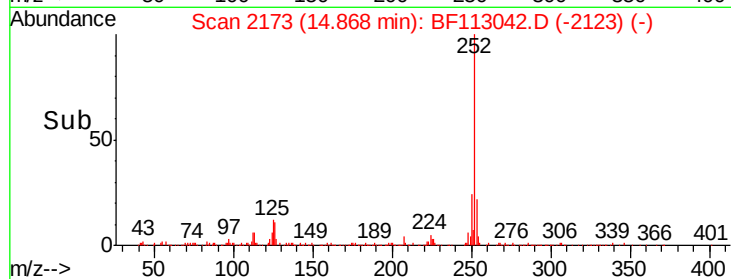
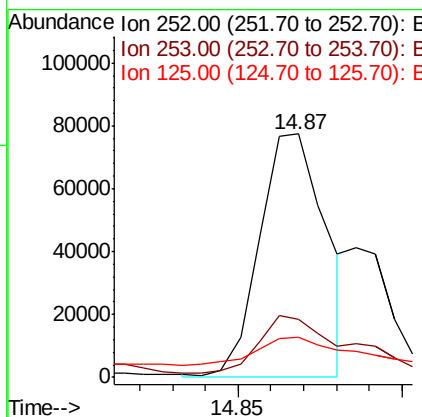
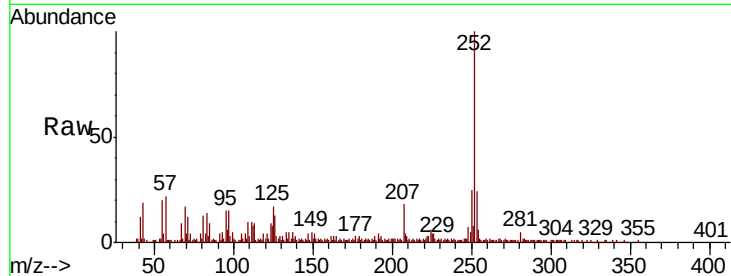
#88
Benzo(b)fluoranthene
Concen: 3.328 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	16.7	10.2	15.2

Manual Integrations
APPROVED

Sohil
3/14/2019 10:50:10 AM



#90
Benzo(a)pyrene
Concen: 2.679 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	15.2	10.7	16.1

