

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
 Data File : BF113082.D
 Acq On : 15 Mar 2019 22:59
 Operator : JU/SJ
 Sample : K1901-10 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16(7-8)

Manual Integrations
 APPROVED

Sohil
 3/18/2019 2:59:34 PM

Quant Time: Mar 16 00:33:08 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	122178	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	517982	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	263214	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	524203	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	421071	20.00	ng	0.00
87) Perylene-d12	15.27	264	456529	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	136943	17.44	ng	-0.01
7) Phenol-d6	6.36	99	187840	19.04	ng	-0.01
23) Nitrobenzene-d5	7.28	82	99614	11.51	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	60914	21.80	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	220311	10.06	ng	-0.01
79) Terphenyl-d14	12.81	244	244911	11.28	ng	-0.01
Target Compounds						
71) Phenanthrene	11.26	178	206246	7.908	ng	97
75) Fluoranthene	12.44	202	417587	14.944	ng	95
78) Pyrene	12.67	202	366976	10.338	ng	99
81) Benzo(a)anthracene	13.85	228	187163	6.413	ng	99
83) Chrysene	13.89	228	172893	6.048	ng	97
86) Indeno(1,2,3-cd)pyrene	16.62	276	91206	3.743	ng	# 92
88) Benzo(b)fluoranthene	14.87	252	236175m	7.998	ng	
89) Benzo(k)fluoranthene	14.89	252	80429m	3.007	ng	
90) Benzo(a)pyrene	15.21	252	172834	6.617	ng	97
92) Benzo(g,h,i)perylene	17.03	276	81364	3.636	ng	93

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

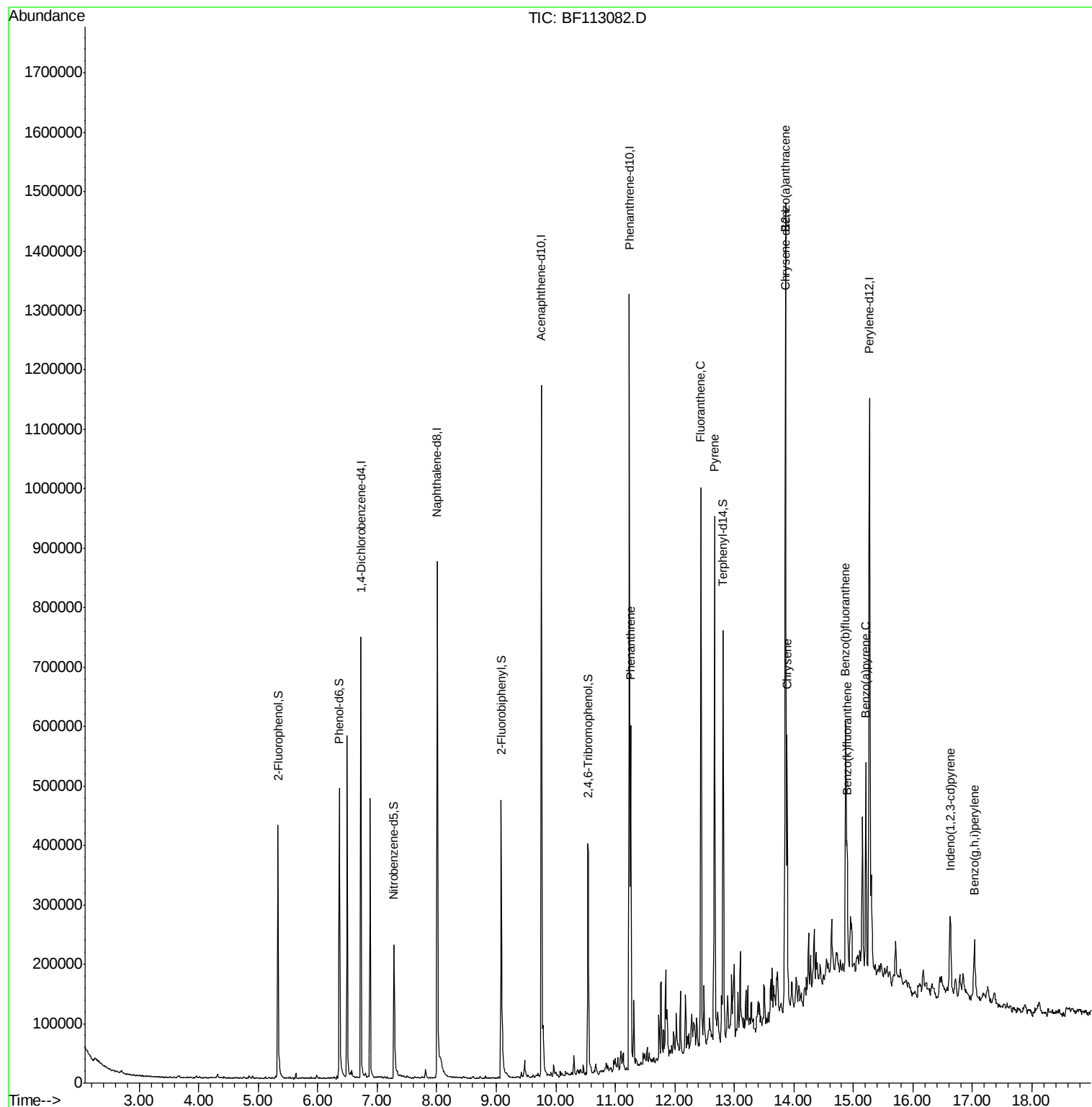
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113082.D
Acq On : 15 Mar 2019 22:59
Operator : JU/SJ
Sample : K1901-10 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

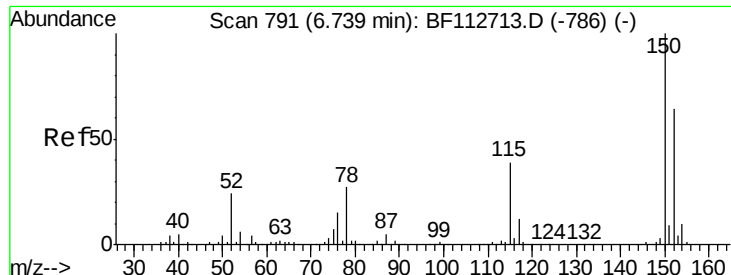
Instrument :
BNA_F
ClientSampleId :
SB-16(7-8)

Quant Time: Mar 16 00:33:08 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

Manual Integrations
APPROVED

Sohil
3/18/2019 2:59:34 PM





#1

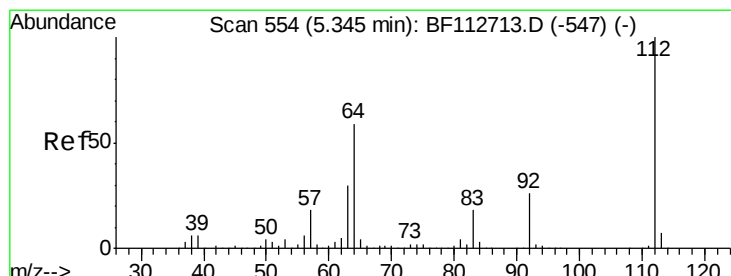
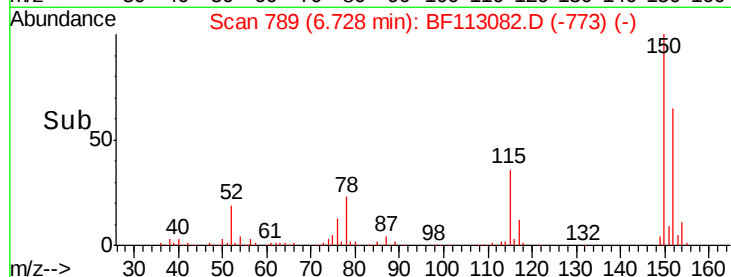
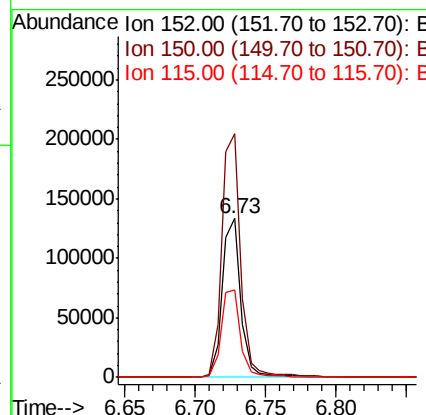
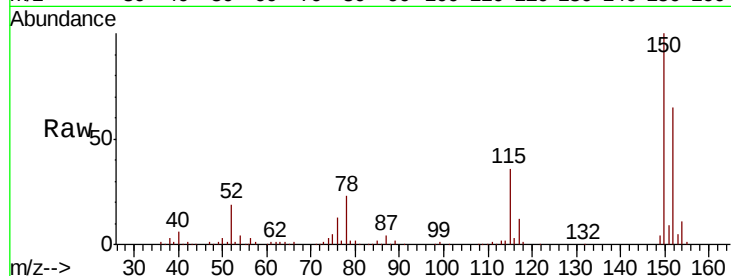
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Instrument :
BNA_F
ClientSampled :
SB-16(7-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.2	186.2
115	55.4	48.2	72.4

Manual Integrations
APPROVED

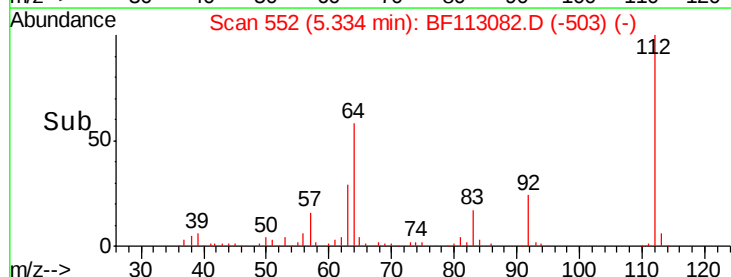
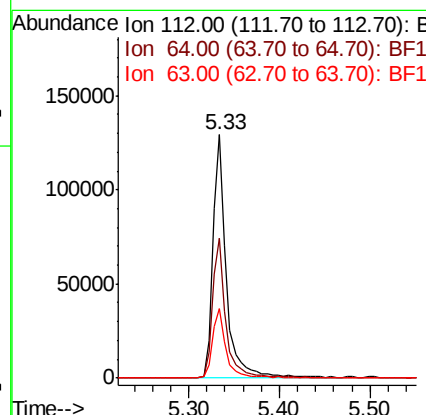
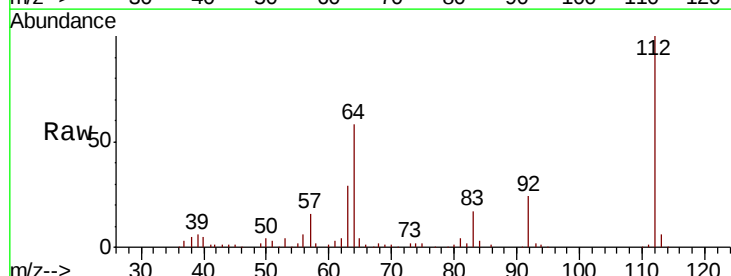
Sohil
3/18/2019 2:59:34 PM



#5

2-Fluorophenol
Concen: 17.435 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.6	71.4
63	28.6	24.4	36.6





#7

Phenol-d6

Concen: 19.038 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Instrument :

BNA_F

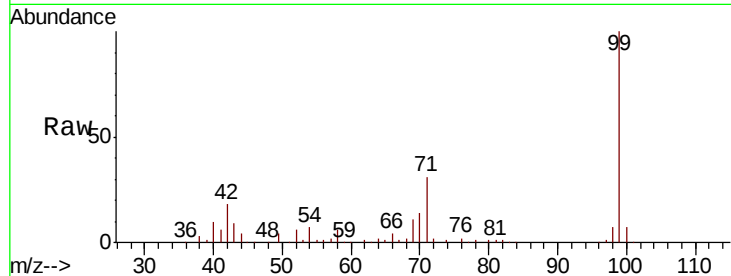
ClientSampleId :

SB-16(7-8)

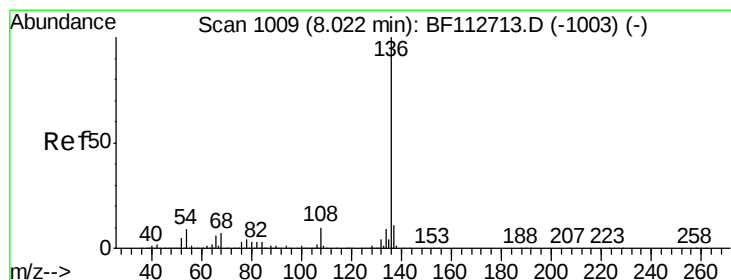
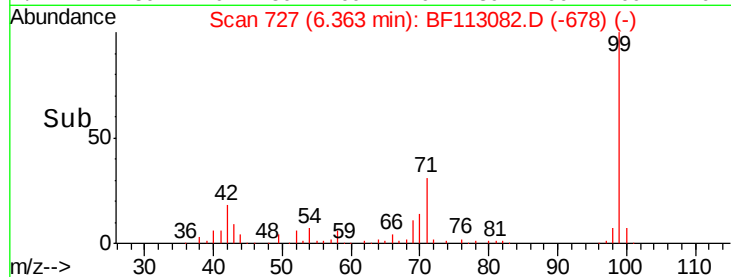
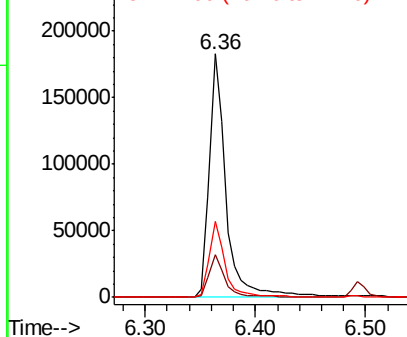
Tot Ion:	99	Resp:	187840
Ion Ratio	Lower	Upper	
99	100		
42	17.7	16.3	24.5
71	31.3	26.2	39.4

Manual Integrations
APPROVED

Sohil
3/18/2019 2:59:34 PM



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

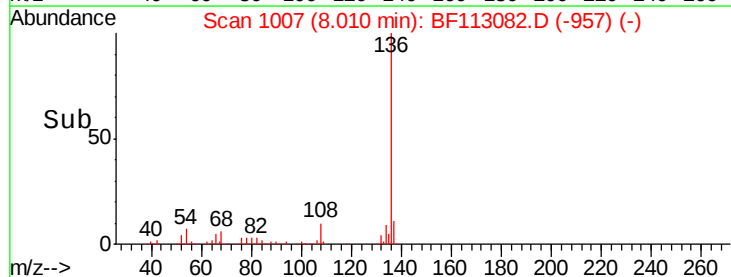
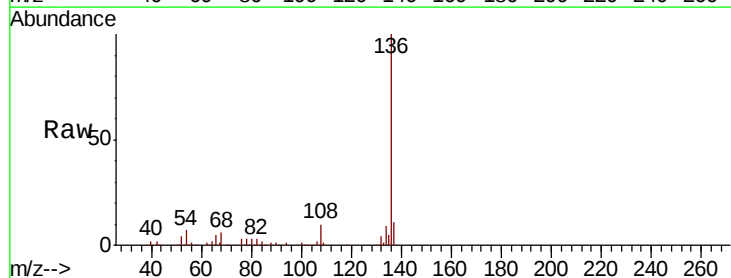
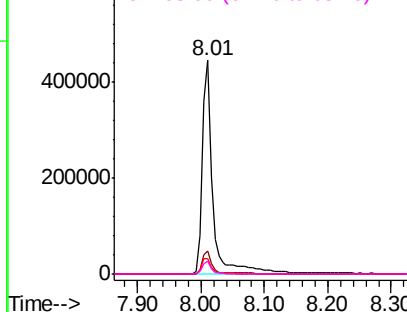
Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Tgt Ion:	136	Resp:	517982
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.5	7.3	10.9
68	5.8	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





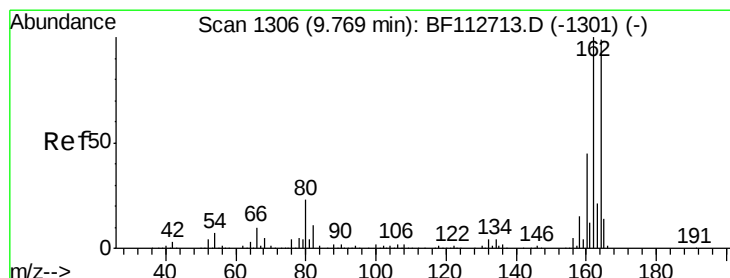
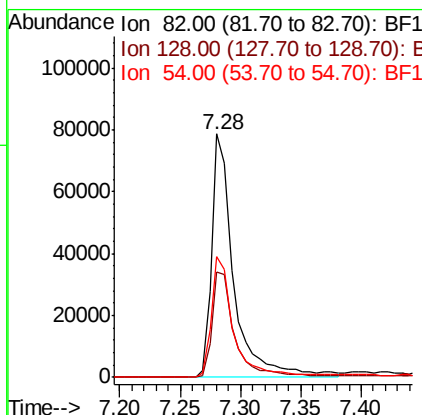
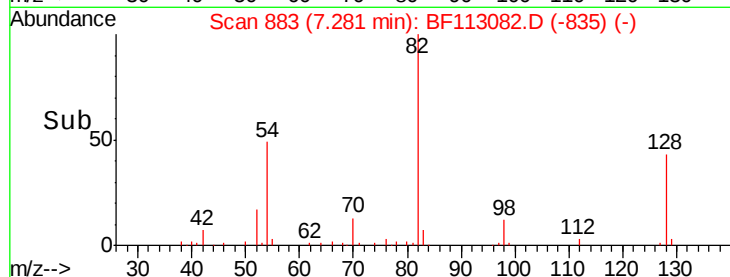
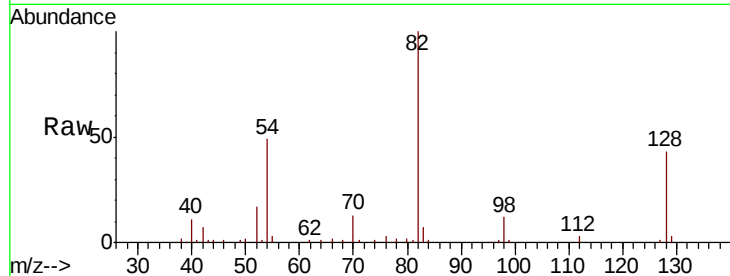
#23
Nitrobenzene-d5
Concen: 11.508 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Instrument :
BNA_F
ClientSampled :
SB-16(7-8)

Tot Ion	82	Resp	99614
Ion Ratio	100	Lower	Upper
82	100		
128	43.1	36.3	54.5
54	49.5	43.7	65.5

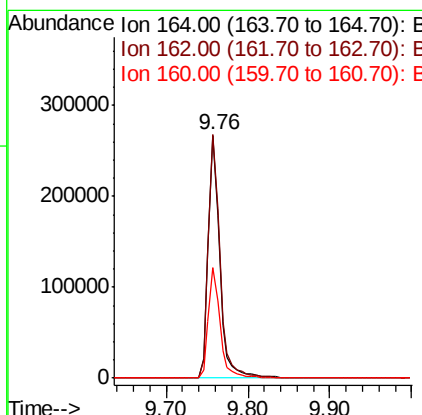
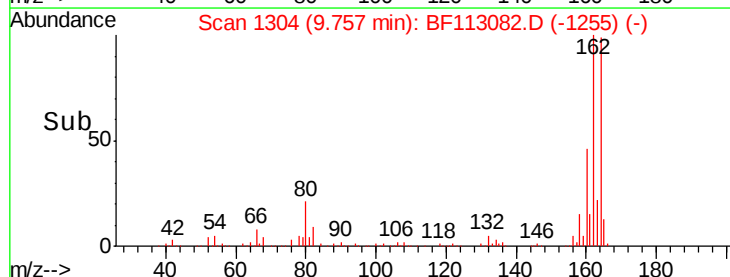
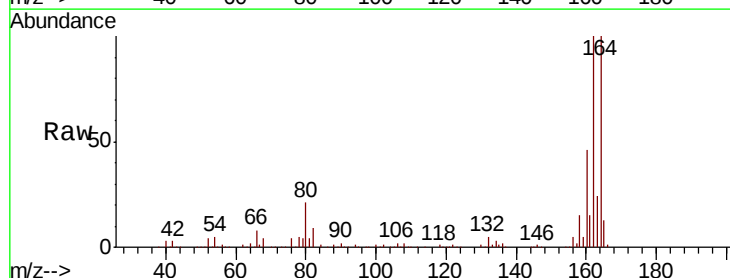
Manual Integrations
APPROVED

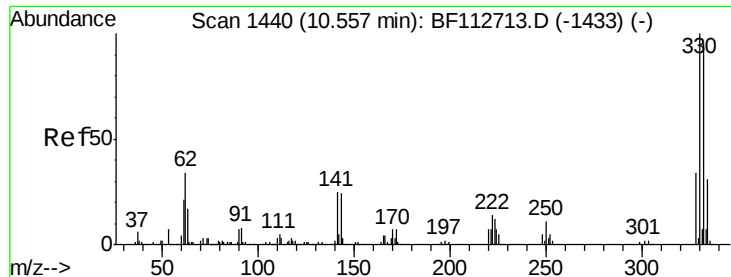
Sohil
3/18/2019 2:59:34 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion	164	Resp	263214
Ion Ratio	100	Lower	Upper
164	100		
162	100.4	80.6	120.8
160	45.7	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 21.799 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Instrument :

BNA_F

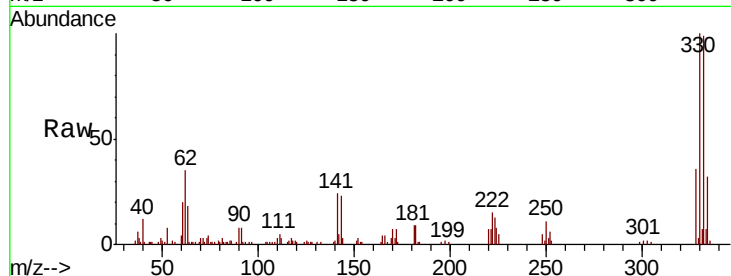
ClientSampleId :

SB-16(7-8)

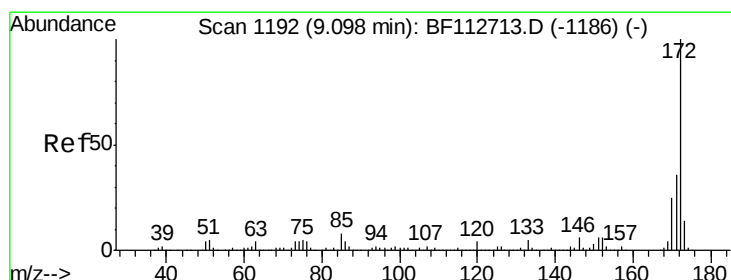
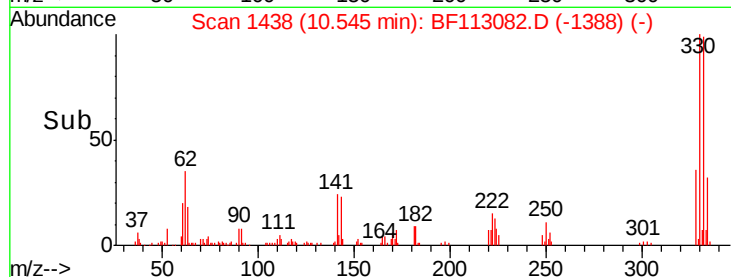
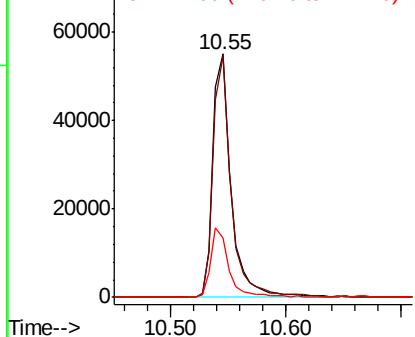
Tot Ion:	330	Resp:	60914
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.2	114.4
141	28.3	27.0	40.6

Manual Integrations
APPROVED

Sohil
3/18/2019 2:59:34 PM



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: 10.061 ng

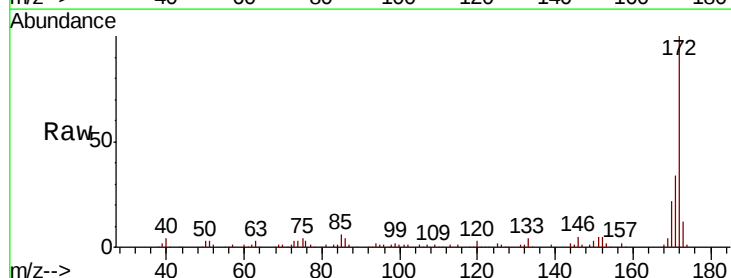
RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

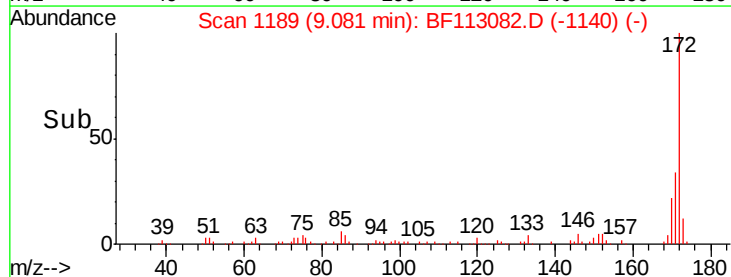
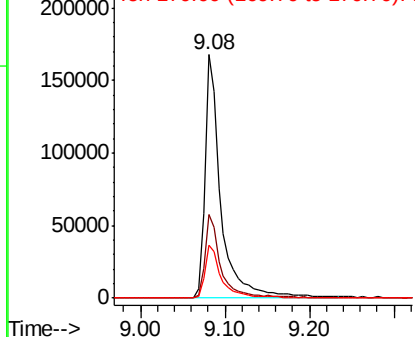
Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Tgt Ion:	172	Resp:	220311
Ion Ratio	Lower	Upper	
172	100		
171	34.5	29.0	43.4
170	22.0	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





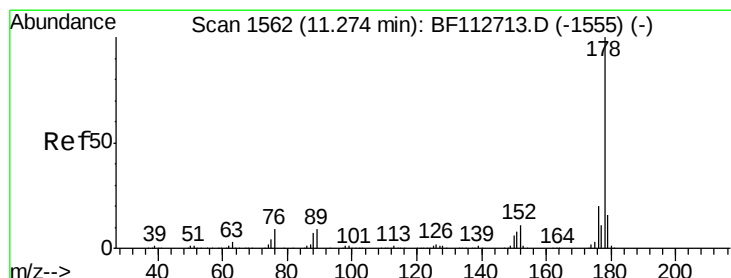
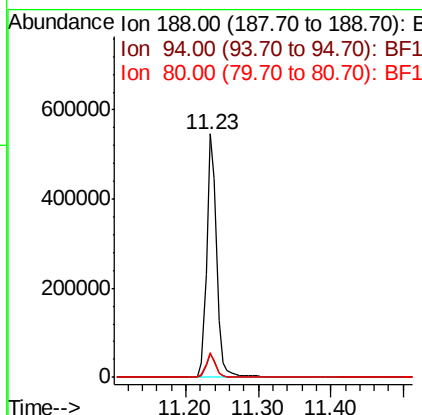
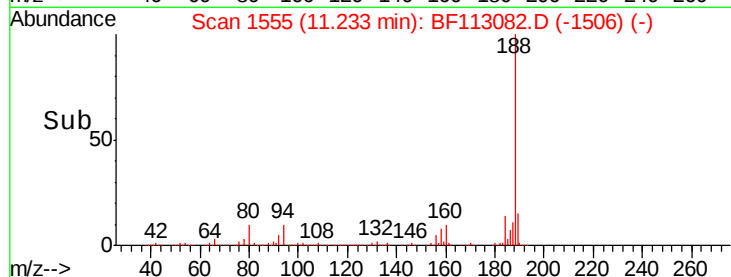
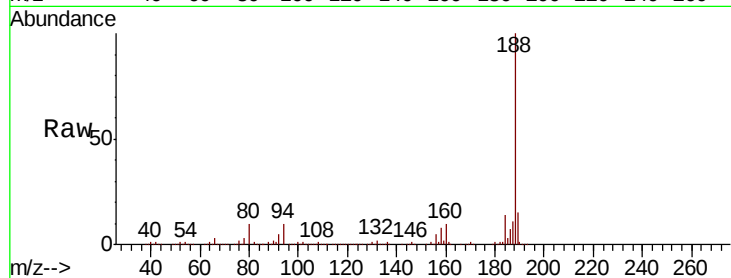
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Instrument :
BNA_F
ClientSampleId :
SB-16(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	524203		
94	9.9		9.0	13.4
80	10.1		9.2	13.8

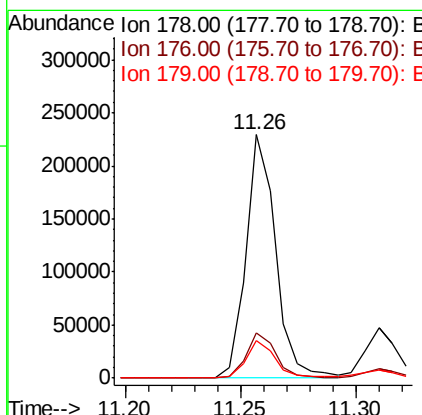
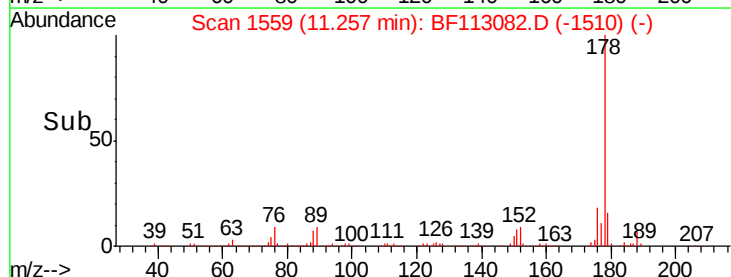
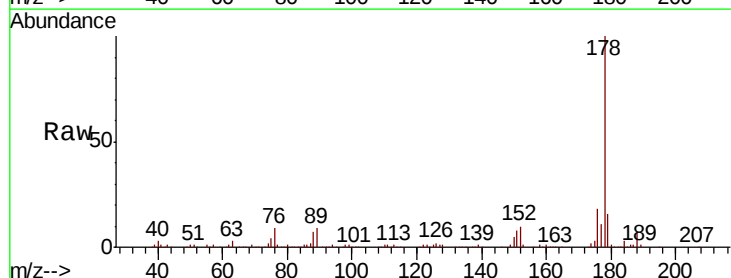
Manual Integrations
APPROVED

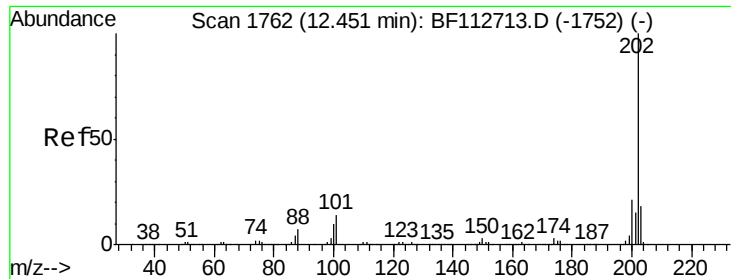
Sohil
3/18/2019 2:59:34 PM



#71
Phenanthrene
Concen: 7.908 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	206246		
176	18.5		16.3	24.5
179	15.6		12.7	19.1





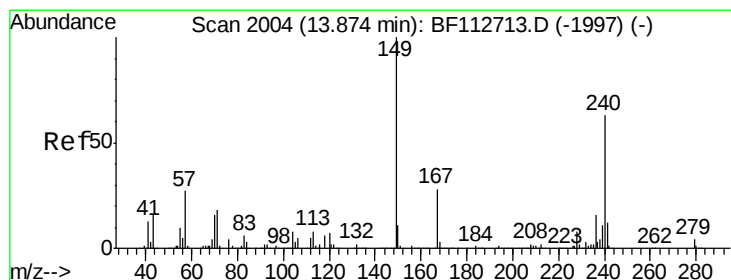
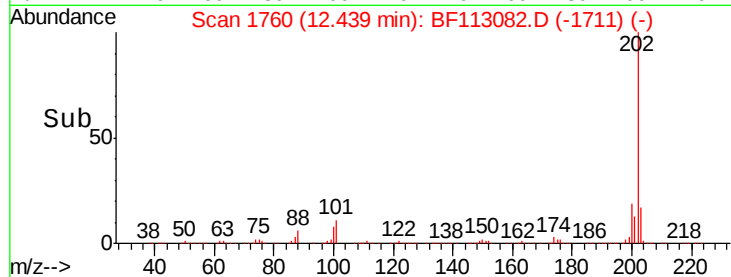
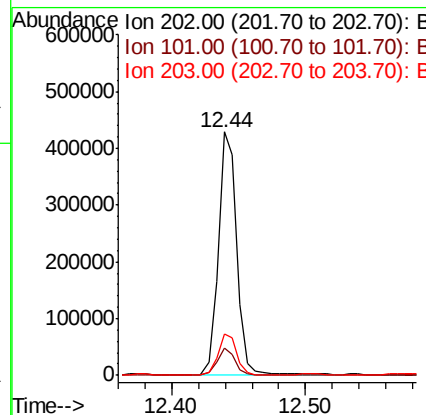
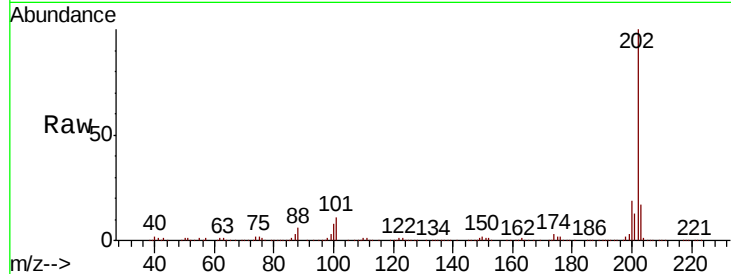
#75
Fluoranthene
Concen: 14.944 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Instrument :
BNA_F
ClientSampled :
SB-16(7-8)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	0.0	33.8
203	17.0	0.0	38.4

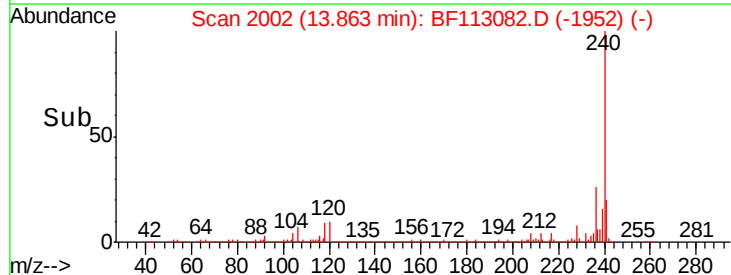
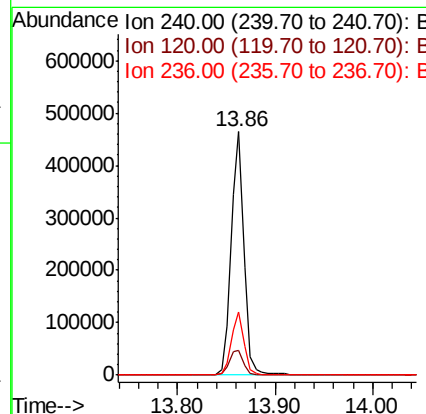
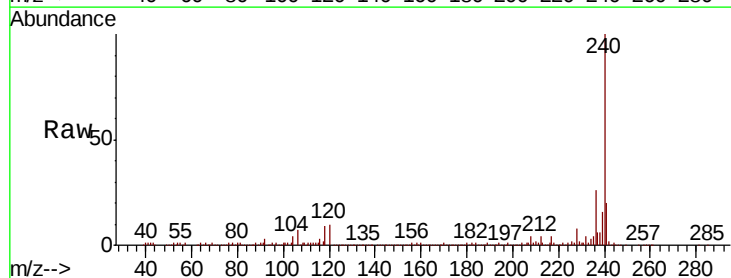
Manual Integrations
APPROVED

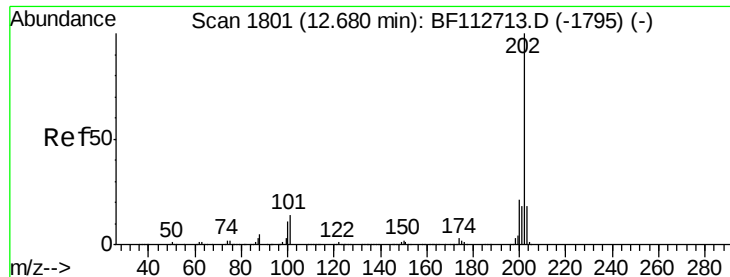
Sohil
3/18/2019 2:59:34 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.4	8.9	13.3
236	26.0	20.7	31.1





#78

Pvrene

Concen: 10.338 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Instrument :

BNA_F

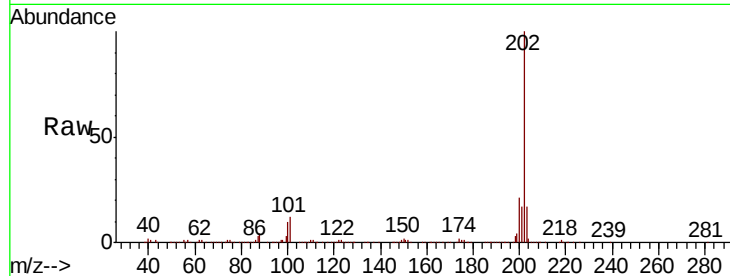
ClientSampled :

SB-16(7-8)

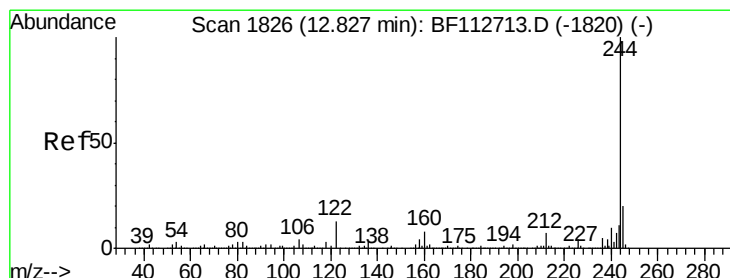
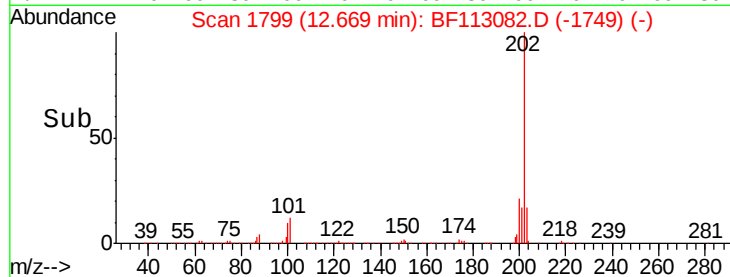
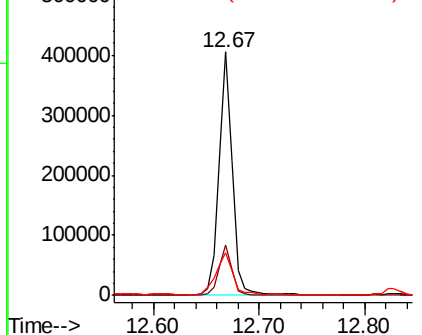
Tot Ion:	202	Resp:	366976
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.0	25.4
203	17.3	14.4	21.6

Manual Integrations
APPROVED

Sohil
3/18/2019 2:59:34 PM



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: 11.275 ng

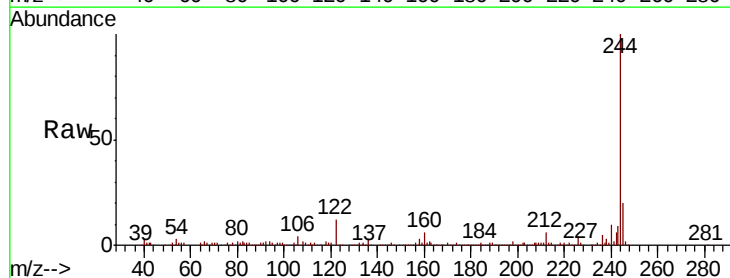
RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

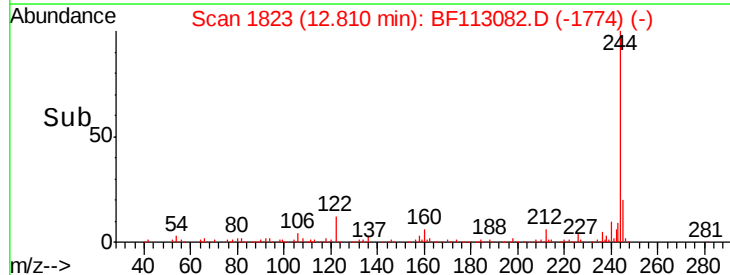
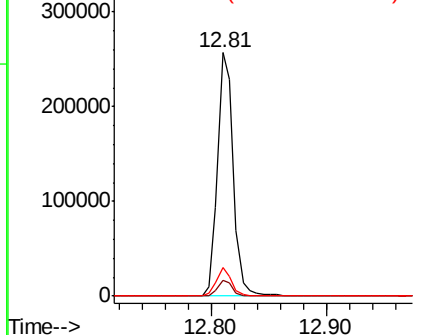
Lab File: BF113082.D

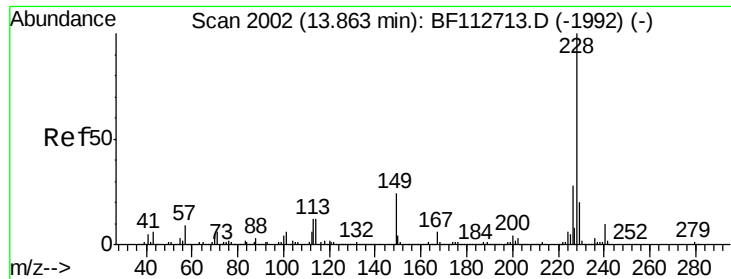
Acq: 15 Mar 2019 22:59

Tgt Ion:	244	Resp:	244911
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.6	8.4
122	11.6	10.5	15.7



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.413 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Instrument :

BNA_F

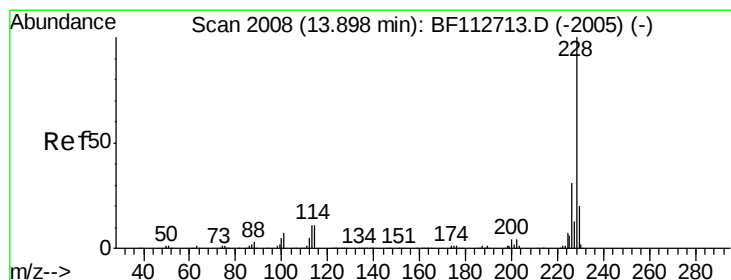
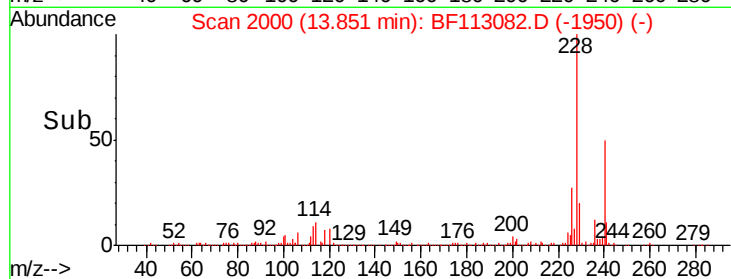
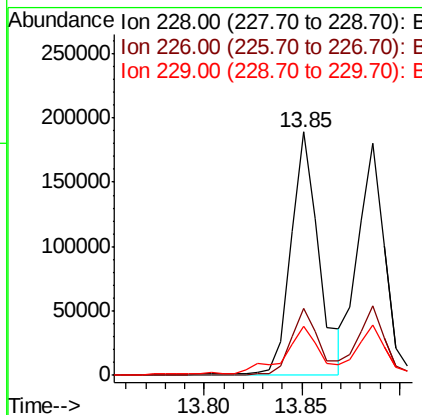
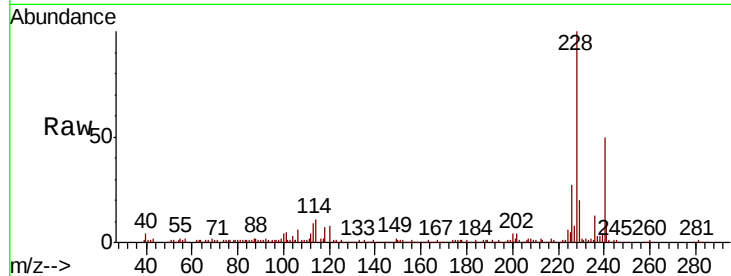
ClientSampleId :

SB-16(7-8)

Tot Ion:	228	Resp:	187163
Ion Ratio	Lower	Upper	
228	100		
226	27.4	22.2	33.4
229	20.1	16.0	24.0

Manual Integrations
APPROVED

Sohil
3/18/2019 2:59:34 PM



#83

Chrysene

Concen: 6.048 ng

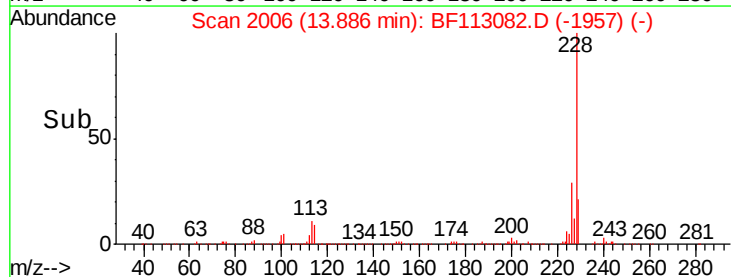
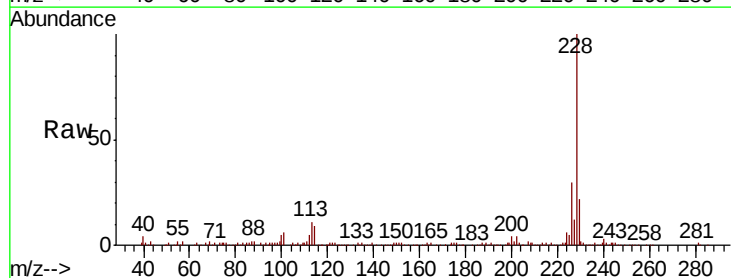
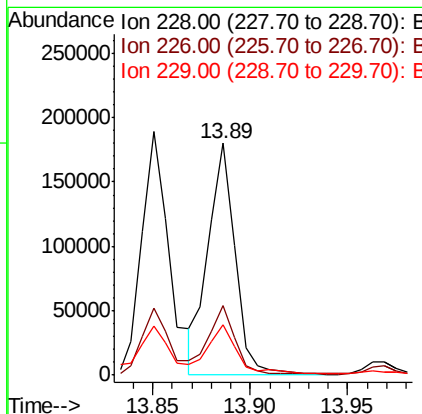
RT: 13.89 min Scan# 2006

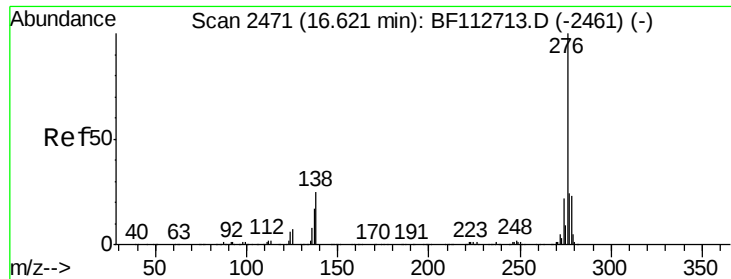
Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Tgt Ion:	228	Resp:	172893
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.9	37.3
229	21.9	16.3	24.5





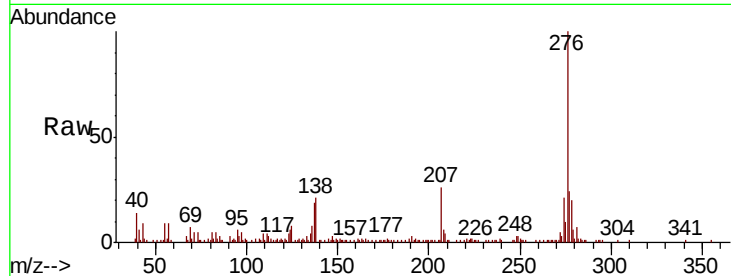
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.743 ng
RT: 16.62 min Scan# 2471
Delta R.T. -0.02 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Instrument :
BNA_F
ClientSampleId :
SB-16(7-8)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	23.2	34.8#
277	23.1	19.9	29.9

Manual Integrations
APPROVED

Sohil
3/18/2019 2:59:34 PM

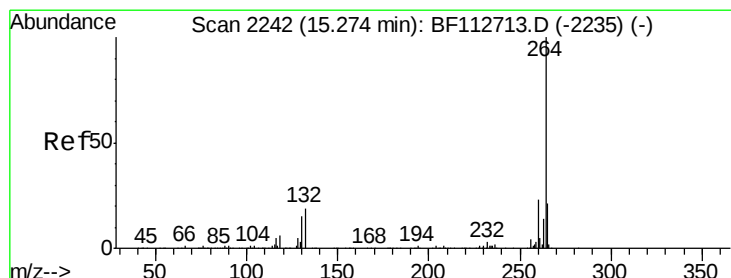
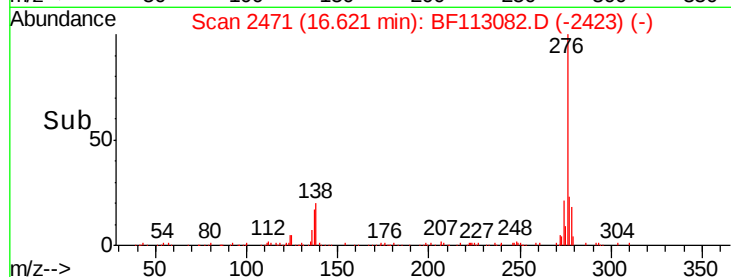
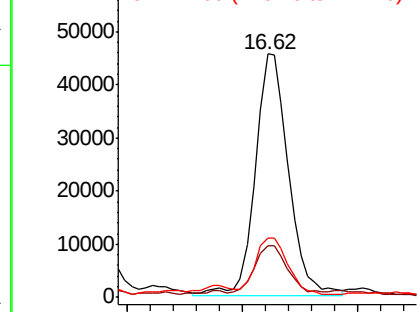


Abundance

Ion 276.00 (275.70 to 276.70): E

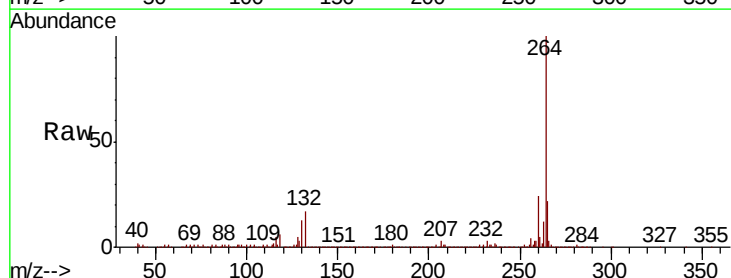
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.6	17.2	25.8

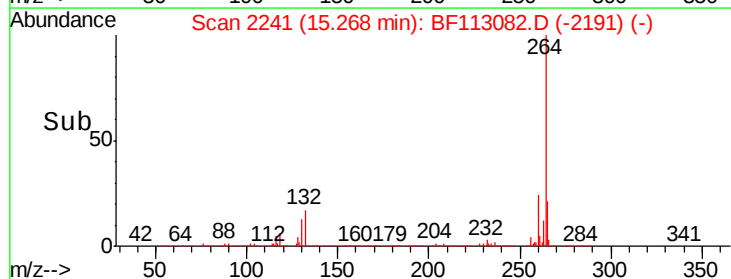
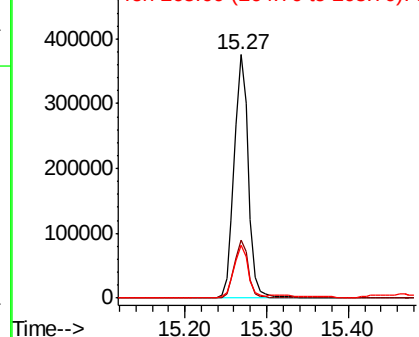


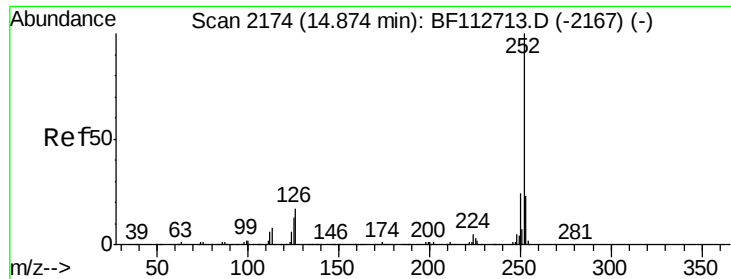
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





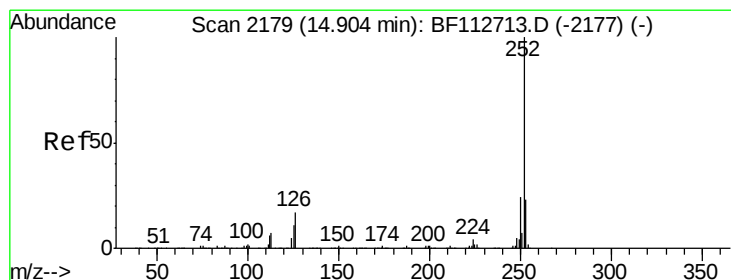
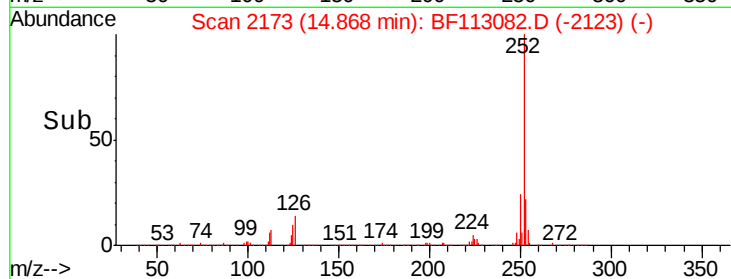
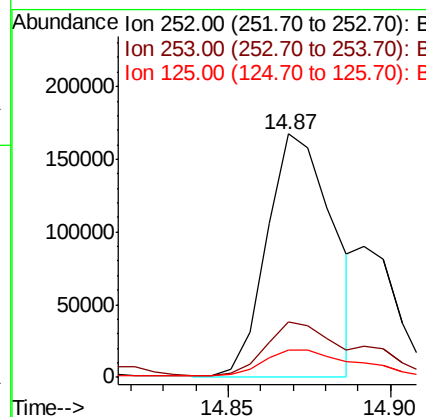
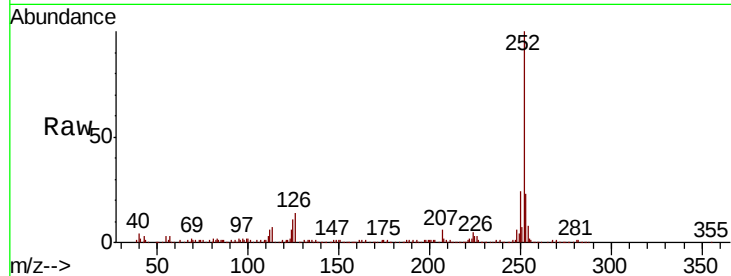
#88
Benzo(b)fluoranthene
Concen: 7.998 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Instrument :
BNA_F
ClientSampleId :
SB-16(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.2	10.2	15.2

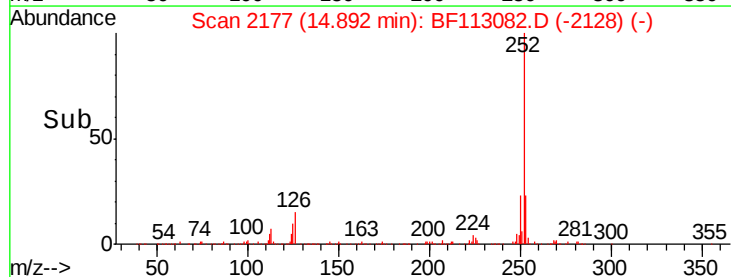
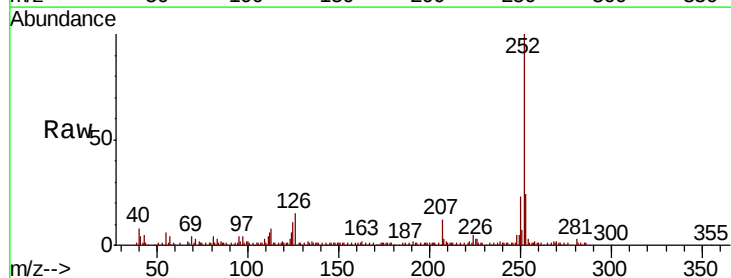
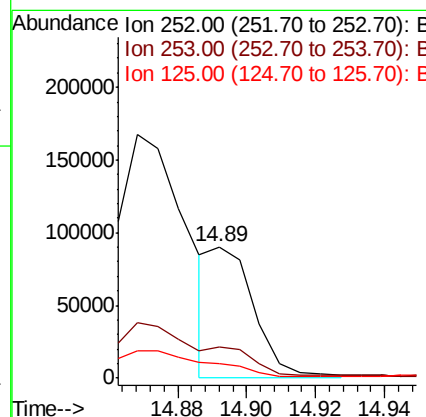
Manual Integrations
APPROVED

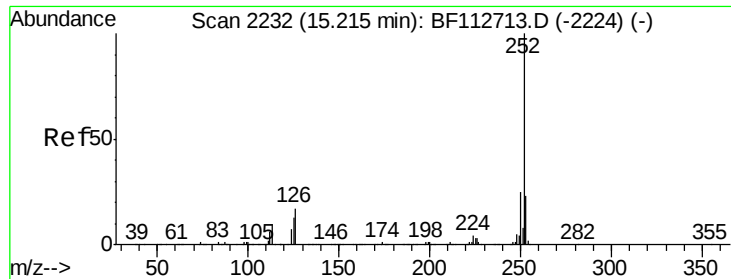
Sohil
3/18/2019 2:59:34 PM



#89
Benzo(k)fluoranthene
Concen: 3.007 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	11.0	9.8	14.6





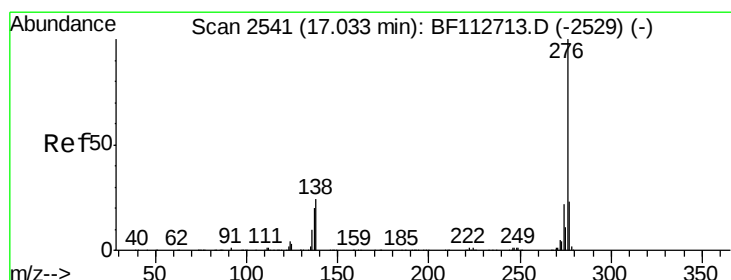
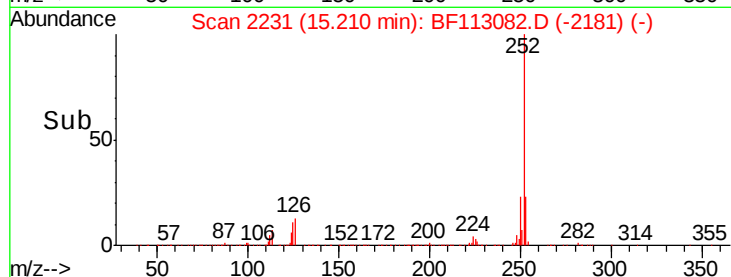
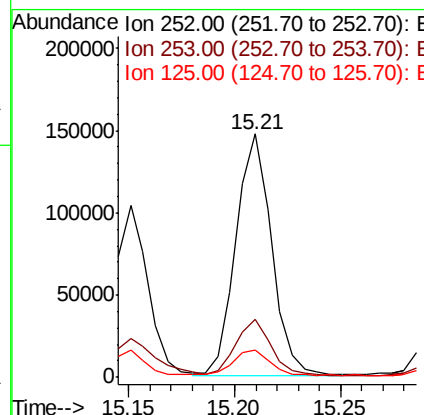
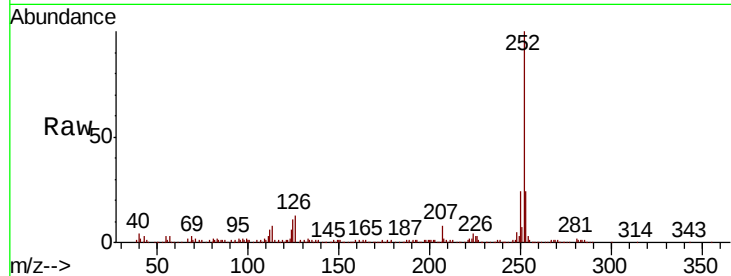
#90
Benzo(a)pyrene
Concen: 6.617 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Instrument :
BNA_F
ClientSampleId :
SB-16(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	11.4	10.7	16.1

Manual Integrations
APPROVED

Sohil
3/18/2019 2:59:34 PM



#92
Benzo(g,h,i)perylene
Concen: 3.636 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	27.8
138	19.7	19.4	29.0

