

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113468.D
 Acq On : 1 Apr 2019 16:00
 Operator : JU/SJ
 Sample : K2174-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 RBR200030

Manual Integrations
 APPROVED

Sohil
 4/2/2019 3:49:19 PM

Quant Time: Apr 02 07:10:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	144695	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	538015	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	258718	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	496821	20.00	ng	0.00
76) Chrysene-d12	13.84	240	383547	20.00	ng	0.00
87) Perylene-d12	15.25	264	423036	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	953840	107.79	ng	0.01
7) Phenol-d6	6.36	99	1222570	109.21	ng	0.00
23) Nitrobenzene-d5	7.27	82	746293	82.33	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	336233	105.21	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1363721	81.99	ng	0.00
79) Terphenyl-d14	12.80	244	1298450	74.62	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.46	163	95480	4.980	ng	98
52) Acenaphthene	9.77	154	92719	6.120	ng	99
55) Dibenzofuran	9.94	168	119174	5.233	ng	97
58) Fluorene	10.28	166	139586	7.890	ng	99
71) Phenanthrene	11.24	178	800578	32.449	ng	99
72) Anthracene	11.29	178	100349	4.004	ng	98
73) Carbazole	11.45	167	64097	2.680	ng	97
75) Fluoranthene	12.42	202	740422	26.546	ng	99
78) Pyrene	12.65	202	592239	22.283	ng	99
81) Benzo(a)anthracene	13.83	228	182400	8.308	ng	98
83) Chrysene	13.87	228	206854	9.276	ng	99
86) Indeno(1,2,3-cd)pyrene	16.61	276	92410	4.828	ng	97
88) Benzo(b)fluoranthene	14.86	252	251230m	9.560	ng	
89) Benzo(k)fluoranthene	14.87	252	89526m	3.879	ng	
90) Benzo(a)pyrene	15.19	252	152939	6.565	ng	98
92) Benzo(g,h,i)perylene	17.02	276	86656	4.266	ng	97

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

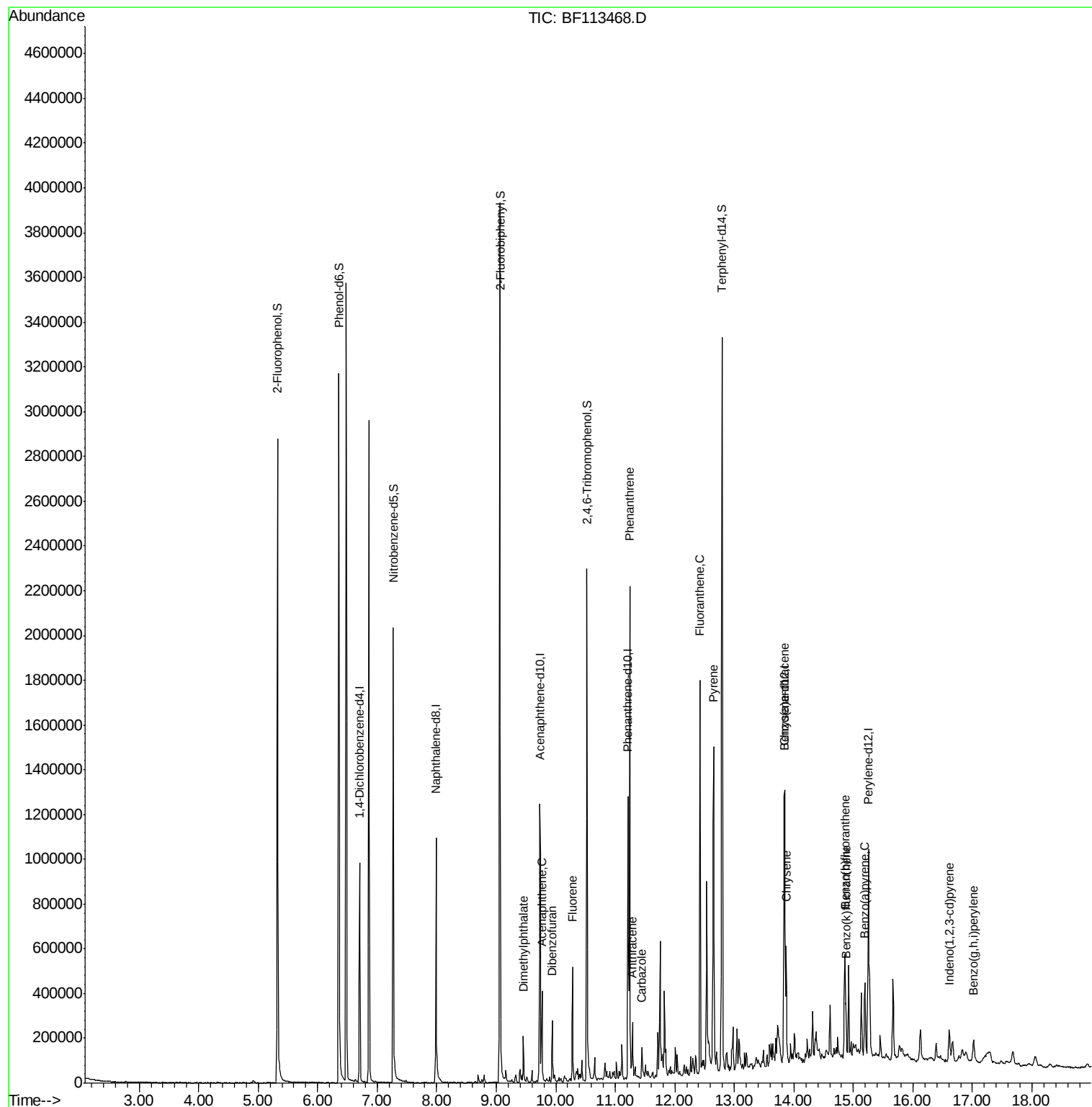
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113468.D
Acq On : 1 Apr 2019 16:00
Operator : JU/SJ
Sample : K2174-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

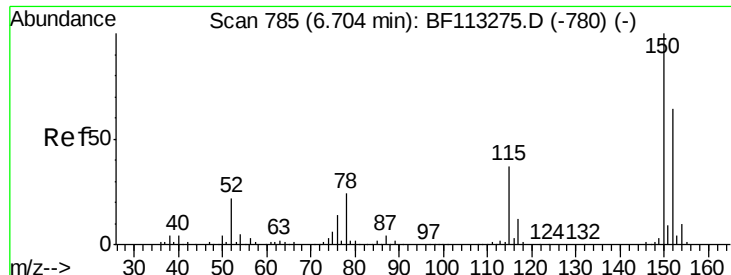
Instrument :
BNA_F
ClientSampleId :
RBR200030

Manual Integrations
APPROVED

Sohil
4/2/2019 3:49:19 PM

Quant Time: Apr 02 07:10:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
Response via : Initial Calibration





#1

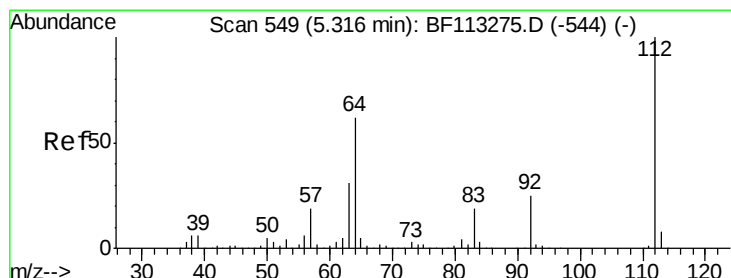
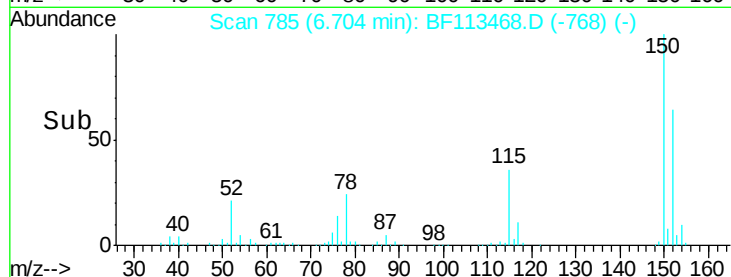
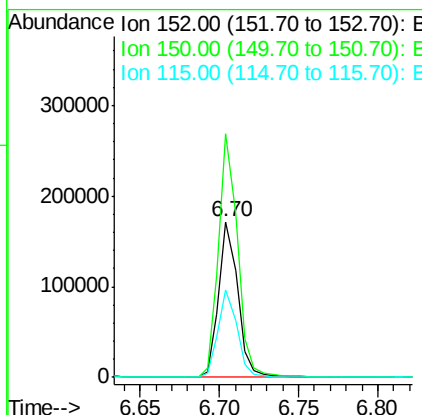
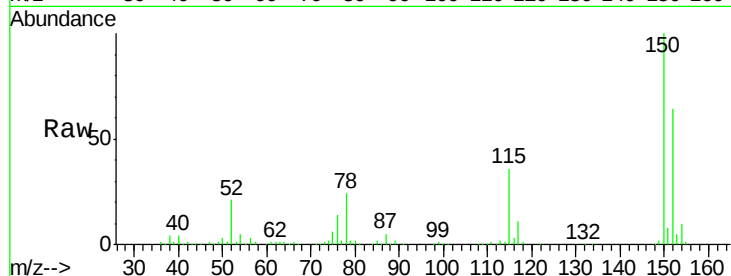
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	144695		
150	156.5	124.7	187.1	
115	56.4	46.0	69.0	

Manual Integrations
APPROVED

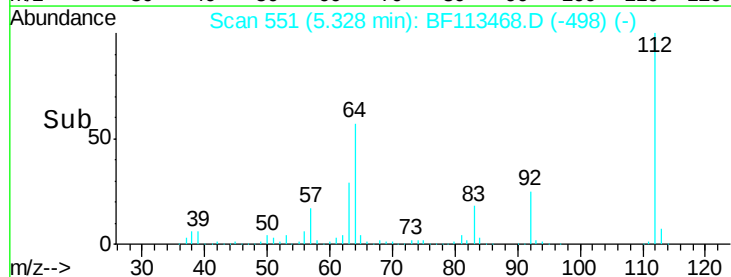
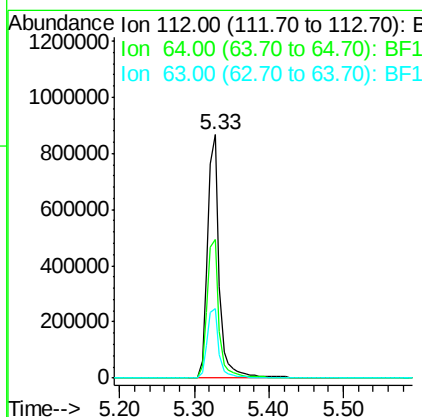
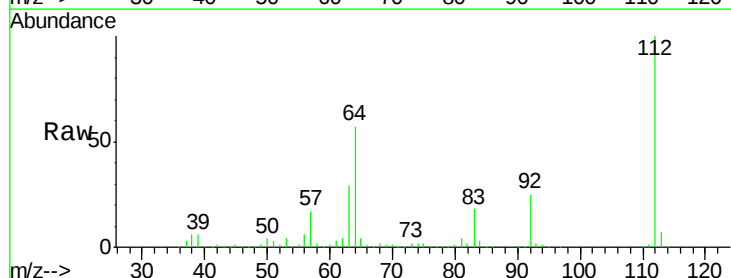
Sohil
4/2/2019 3:49:19 PM

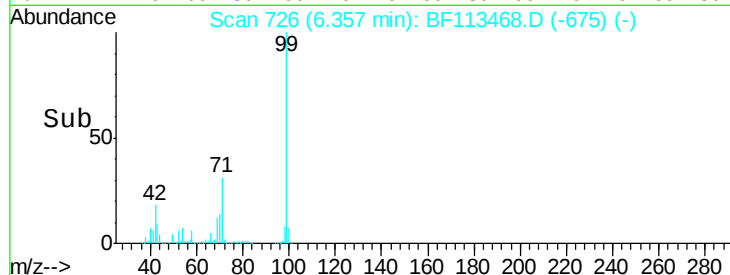
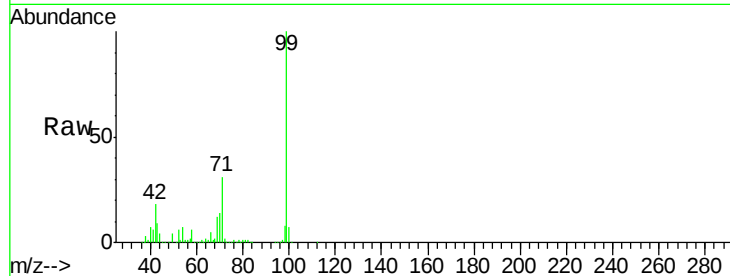
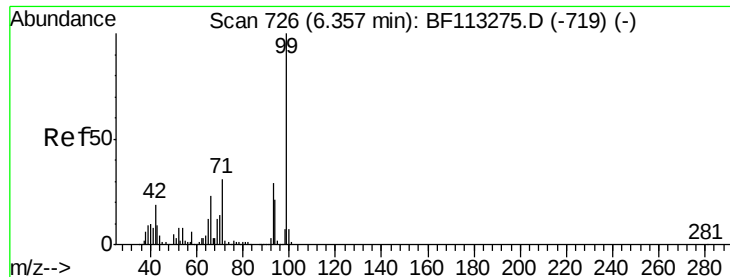


#5

2-Fluorophenol
Concen: 107.788 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	953840		
64	57.2	49.2	73.8	
63	28.7	24.9	37.3	





#7

Phenol-d6

Concen: 109.210 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113468.D

Acq: 1 Apr 2019 16:00

Tgt Ion: 99 Resp: 1222570

Ion Ratio Lower Upper

99 100

42 18.1 14.8 22.2

71 31.2 24.9 37.3

Instrument :

BNA_F

ClientSampleId :

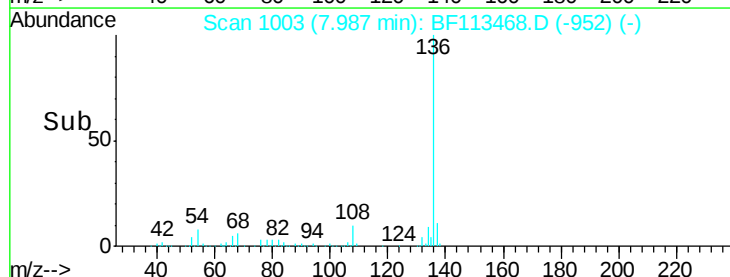
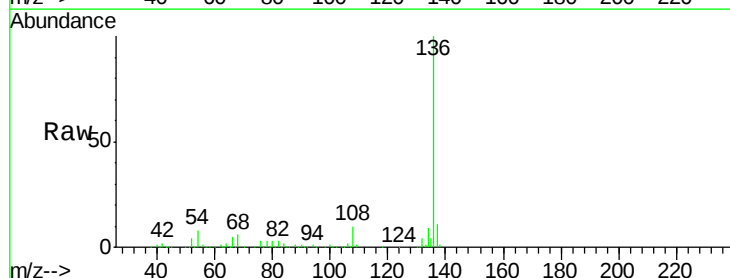
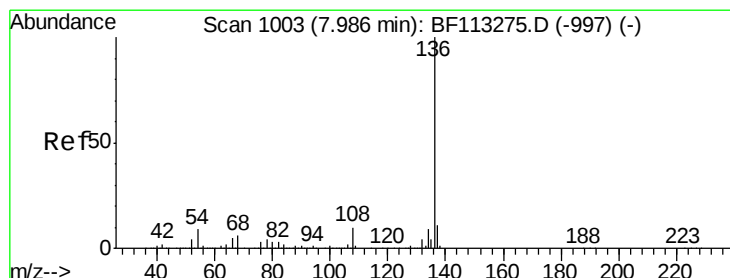
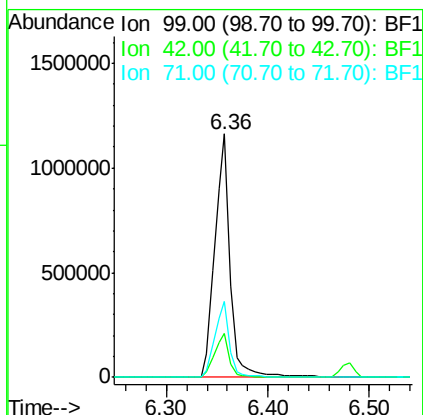
RBR200030

Manual Integrations

APPROVED

Sohil

4/2/2019 3:49:19 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF113468.D

Acq: 1 Apr 2019 16:00

Tgt Ion: 136 Resp: 538015

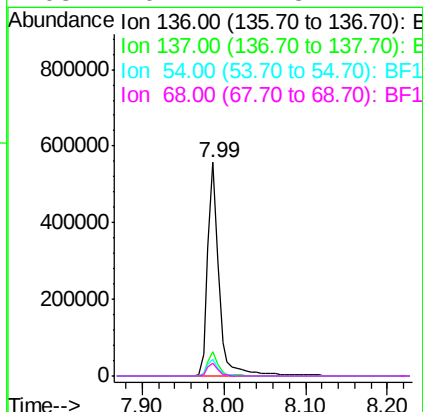
Ion Ratio Lower Upper

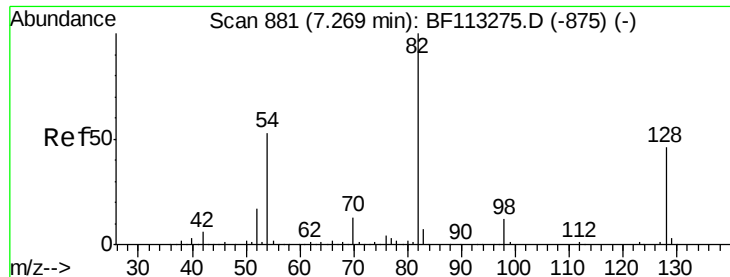
136 100

137 11.1 8.9 13.3

54 7.8 7.0 10.6

68 6.1 4.8 7.2





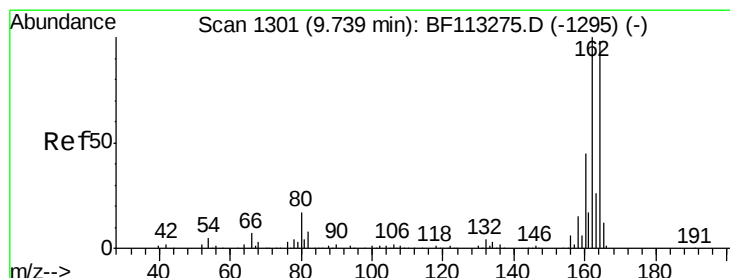
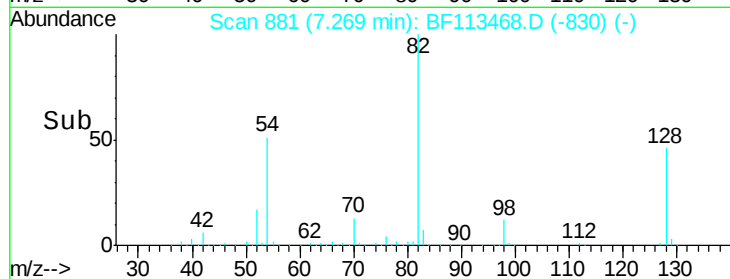
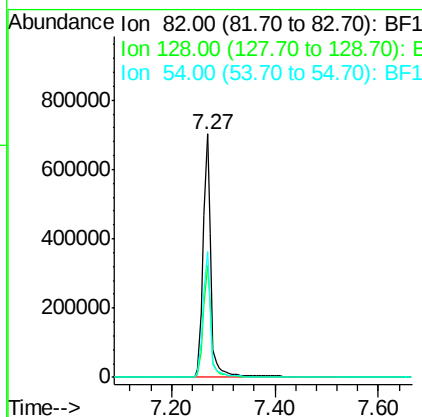
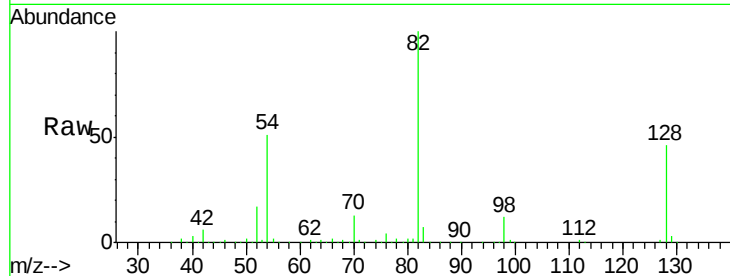
#23
Nitrobenzene-d5
Concen: 82.331 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	746293		
128	46.1	36.5	54.7	
54	51.4	42.2	63.2	

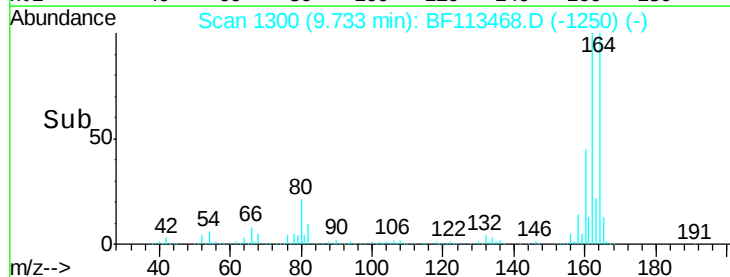
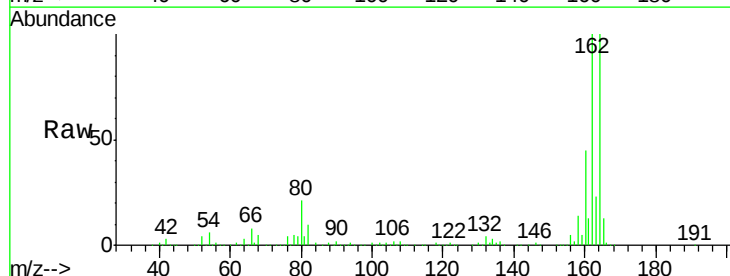
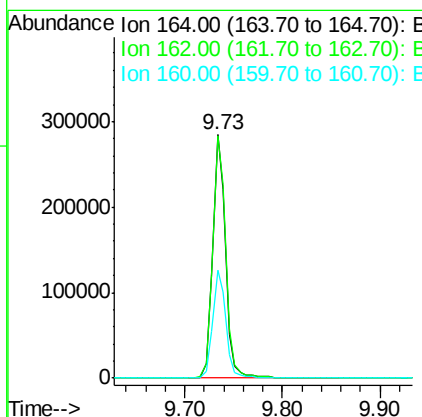
Manual Integrations
APPROVED

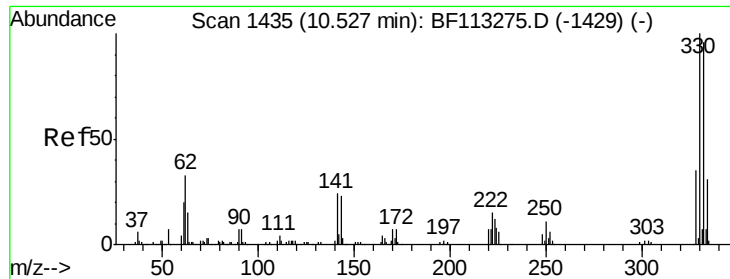
Sohil
4/2/2019 3:49:19 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	258718		
162	99.7	81.8	122.6	
160	44.6	36.4	54.6	





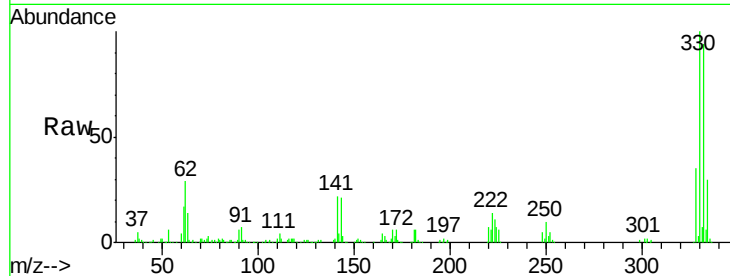
#42
 2,4,6-Tribromophenol
 Concen: 105.212 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113468.D
 Acq: 1 Apr 2019 16:00

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030

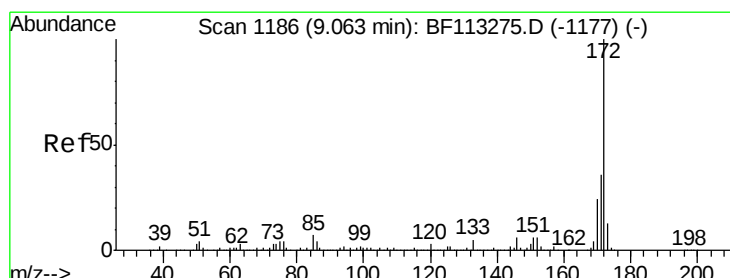
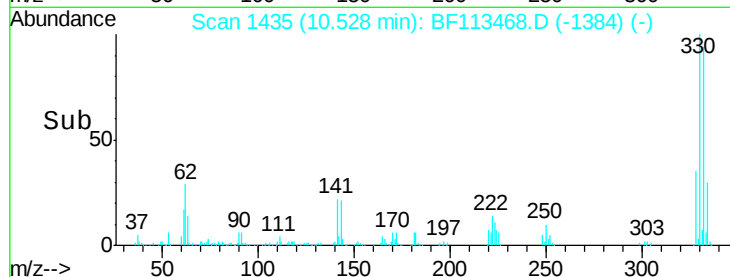
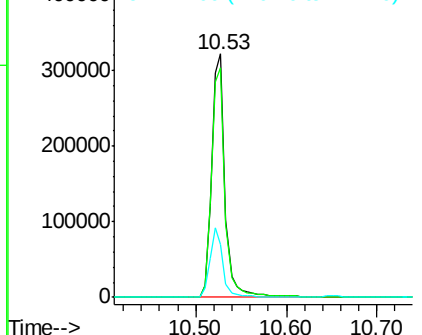
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	336233		
332	95.8	77.8	116.6	
141	28.0	22.7	34.1	

Manual Integrations
 APPROVED

Sohil
 4/2/2019 3:49:19 PM



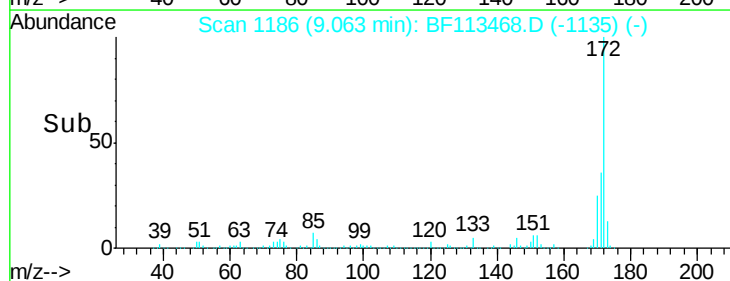
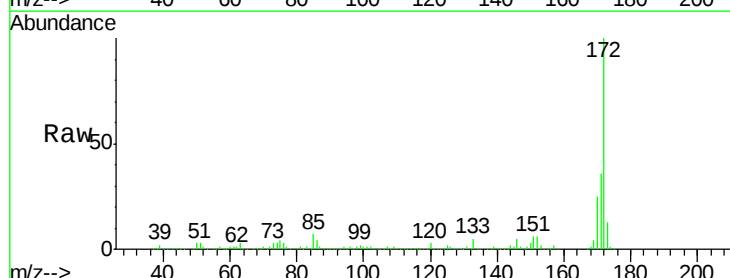
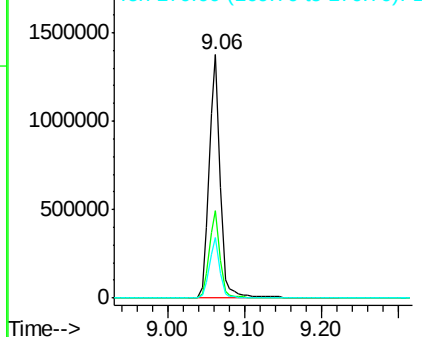
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

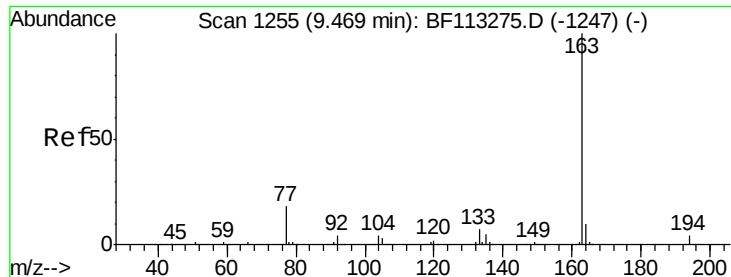


#45
 2-Fluorobiphenyl
 Concen: 81.993 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113468.D
 Acq: 1 Apr 2019 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1363721		
171	36.0	29.0	43.6	
170	24.6	19.5	29.3	

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





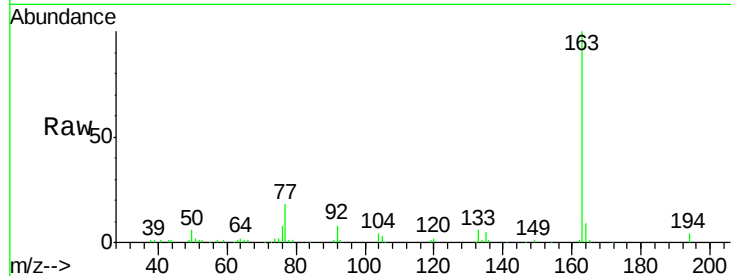
#50
Dimethylphthalate
Concen: 4.980 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
RBR200030

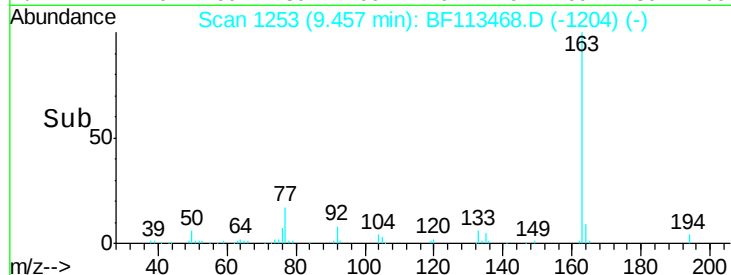
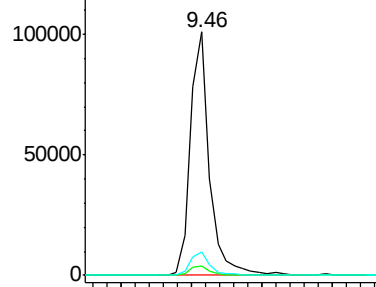
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	95480		
194	4.0		3.0	4.6
164	9.4		8.1	12.1

Manual Integrations
APPROVED

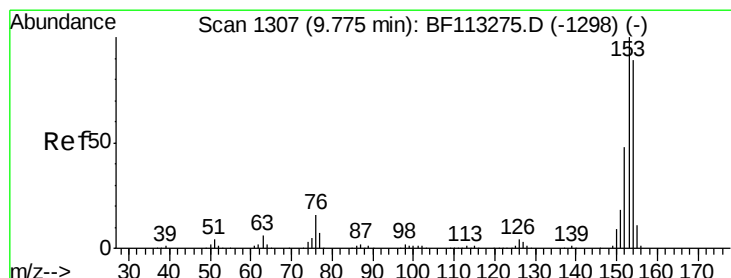
Sohil
4/2/2019 3:49:19 PM



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

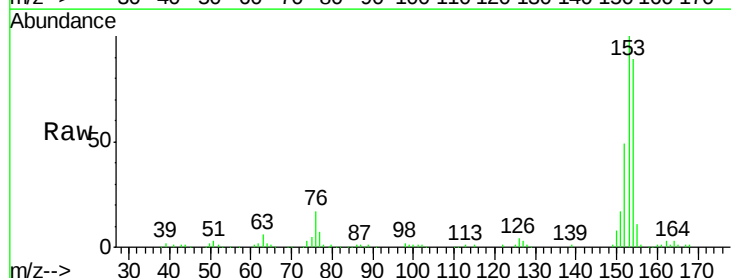


Time-->

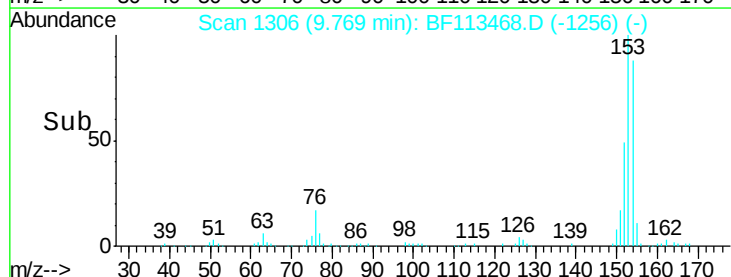
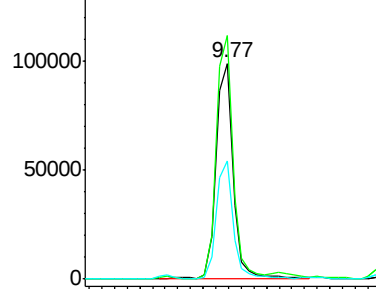


#52
Acenaphthene
Concen: 6.120 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

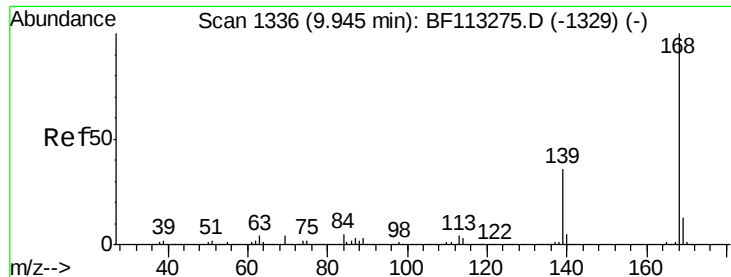
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	92719		
153	112.8		89.5	134.3
152	54.9		43.3	64.9



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



Time-->



#55

Dibenzenofuran

Concen: 5.233 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF113468.D

Acq: 1 Apr 2019 16:00

Instrument :

BNA_F

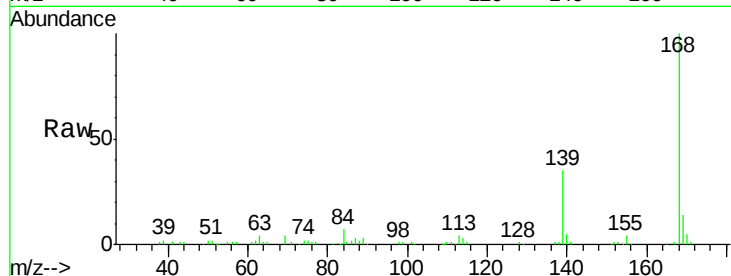
ClientSampleId :

RBR200030

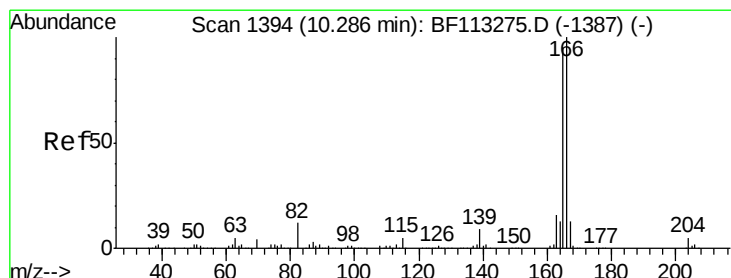
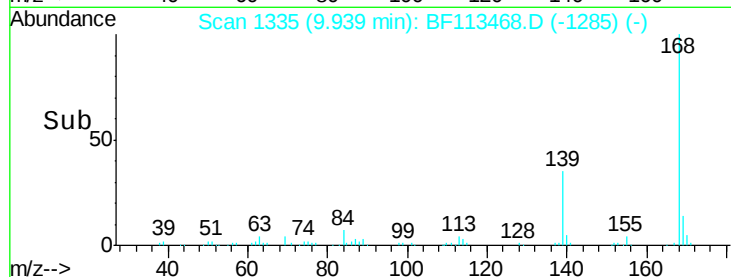
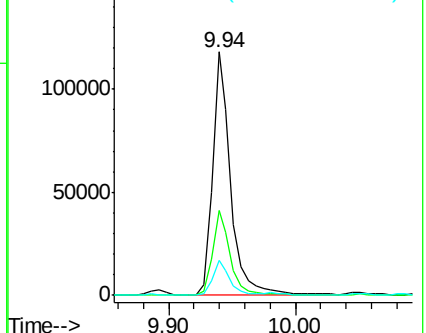
Tgt Ion:	168	Resp:	119174
Ion Ratio	Lower	Upper	
168	100		
139	34.9	29.7	44.5
169	14.4	10.7	16.1

Manual Integrations
APPROVED

Sohil
4/2/2019 3:49:19 PM



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



#58

Fluorene

Concen: 7.890 ng

RT: 10.28 min Scan# 1393

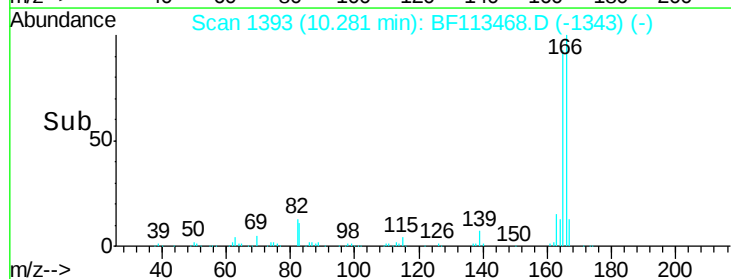
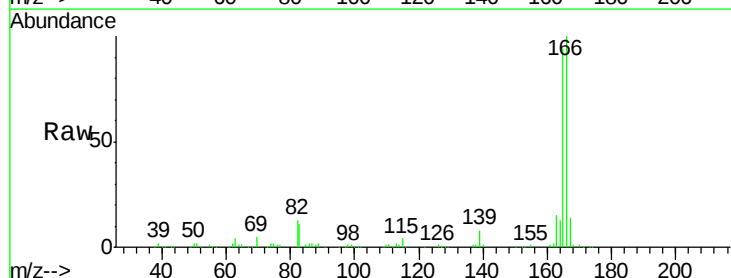
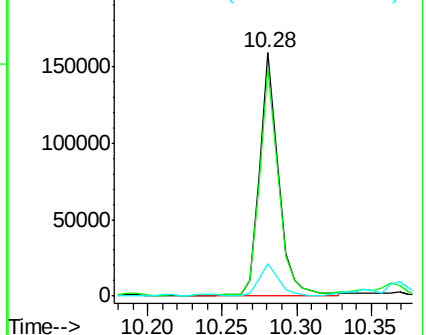
Delta R.T. -0.01 min

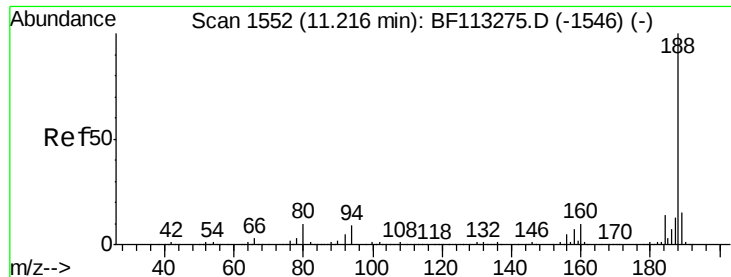
Lab File: BF113468.D

Acq: 1 Apr 2019 16:00

Tgt Ion:	166	Resp:	139586
Ion Ratio	Lower	Upper	
166	100		
165	93.7	76.2	114.2
167	13.6	10.7	16.1

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





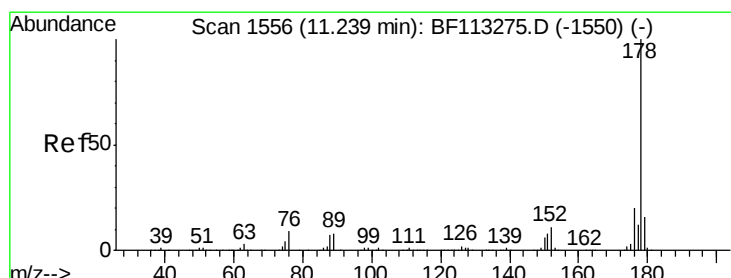
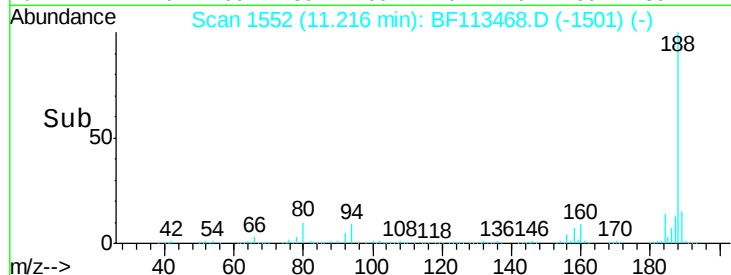
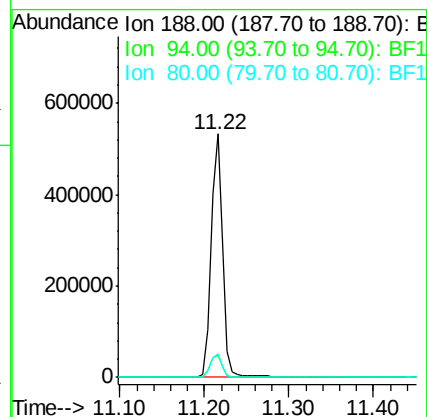
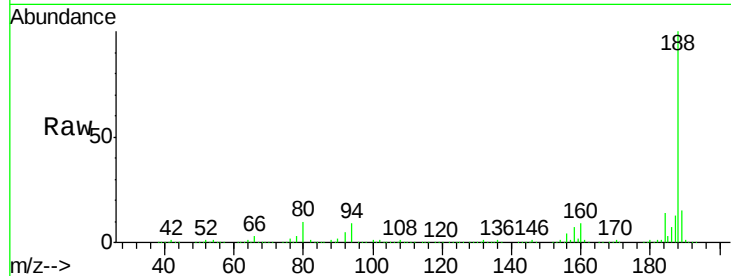
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.2	7.0	10.6
80	9.7	7.7	11.5

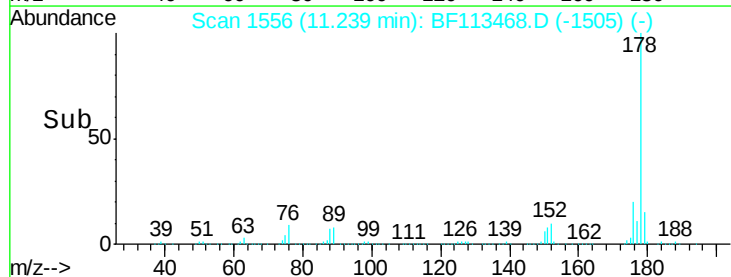
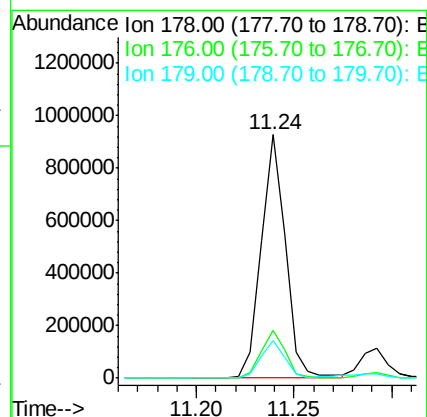
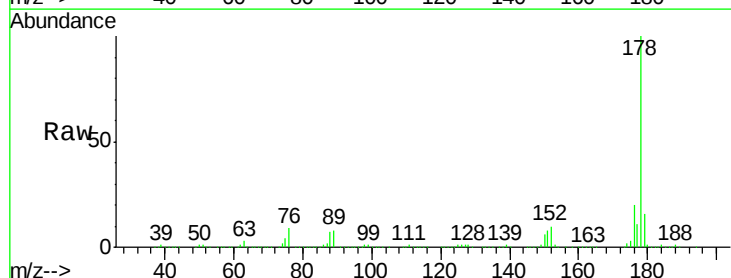
Manual Integrations
APPROVED

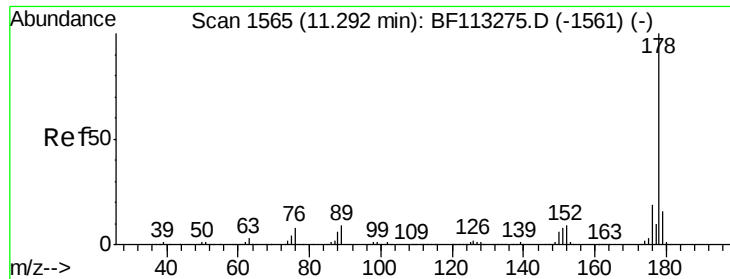
Sohil
4/2/2019 3:49:19 PM



#71
Phenanthrene
Concen: 32.449 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.8	16.2	24.2
179	15.5	12.7	19.1





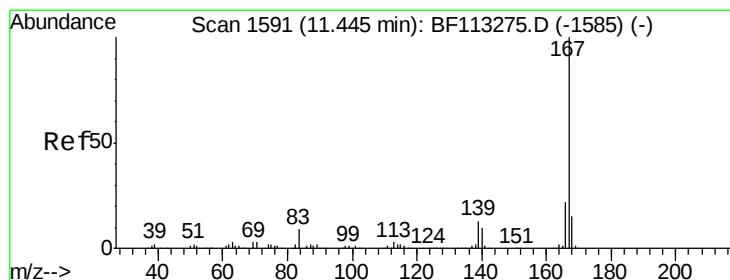
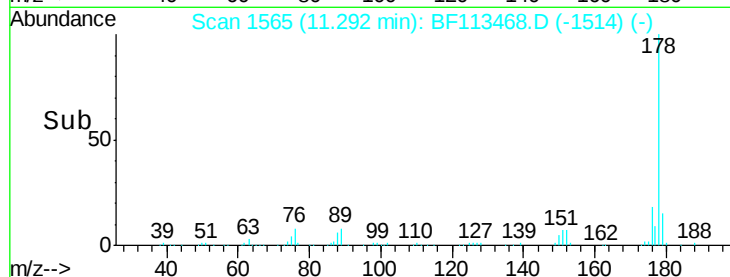
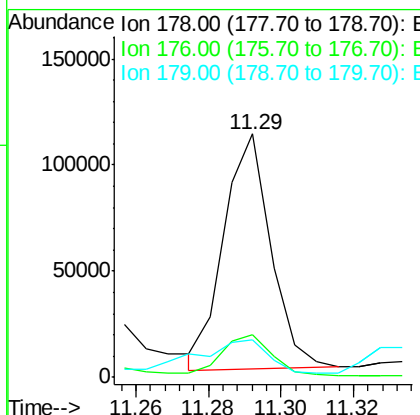
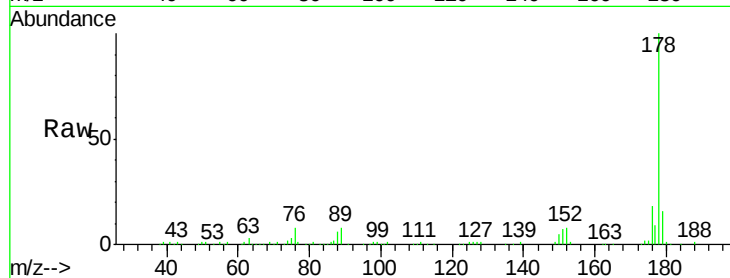
#72
 Anthracene
 Concen: 4.004 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BF113468.D
 Acq: 1 Apr 2019 16:00

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.6	12.8	19.2

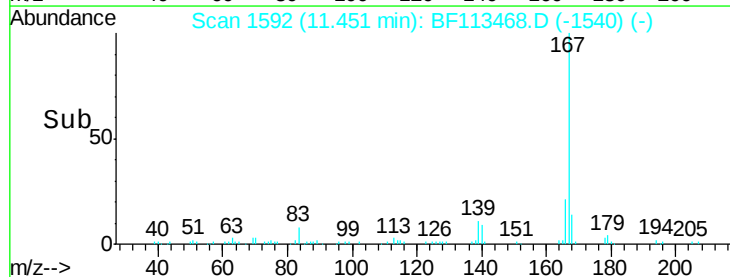
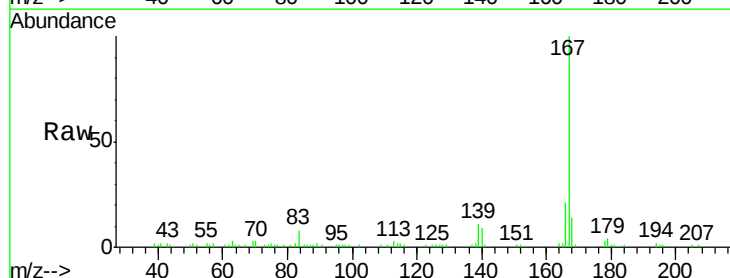
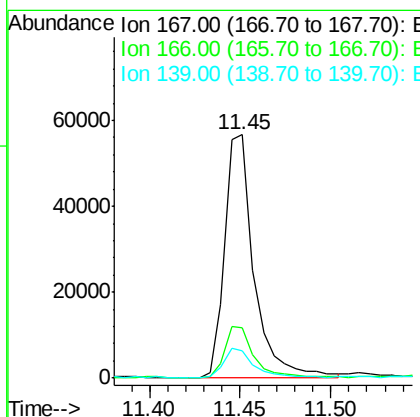
Manual Integrations
 APPROVED

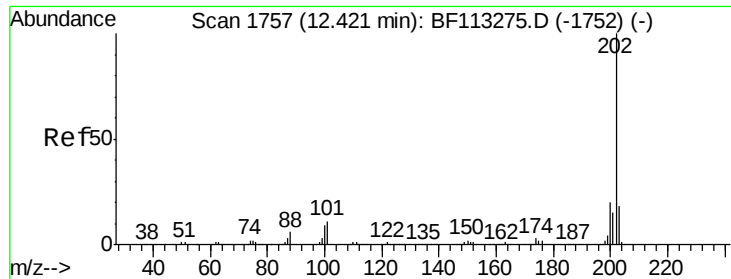
Sohil
 4/2/2019 3:49:19 PM



#73
 Carbazole
 Concen: 2.680 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.01 min
 Lab File: BF113468.D
 Acq: 1 Apr 2019 16:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.4	26.0
139	11.5	10.4	15.6





#75

Fluoranthene

Concen: 26.546 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF113468.D

Acq: 1 Apr 2019 16:00

Instrument :

BNA_F

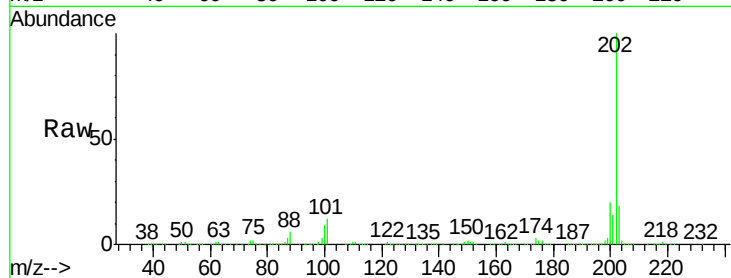
ClientSampleId :

RBR200030

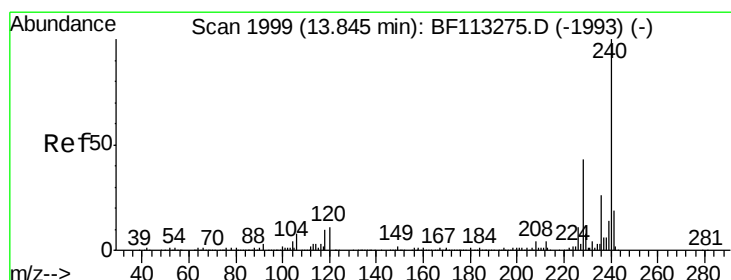
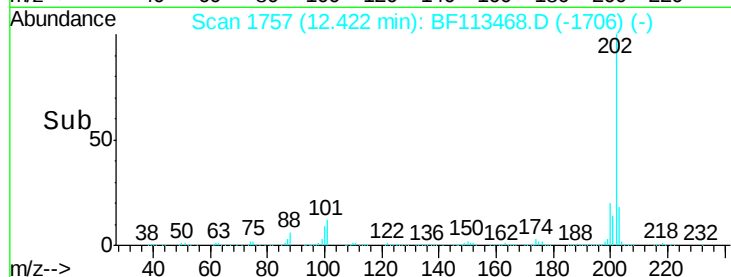
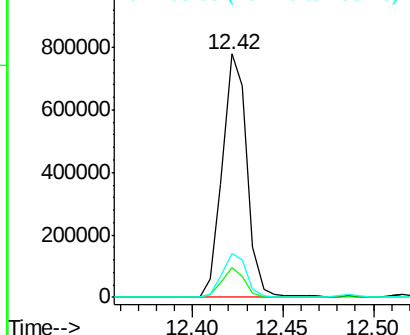
Tgt Ion:	202	Resp:	740422
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	31.4
203	18.0	0.0	38.0

Manual Integrations
APPROVED

Sohil
4/2/2019 3:49:19 PM



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: 13.84 min Scan# 1999

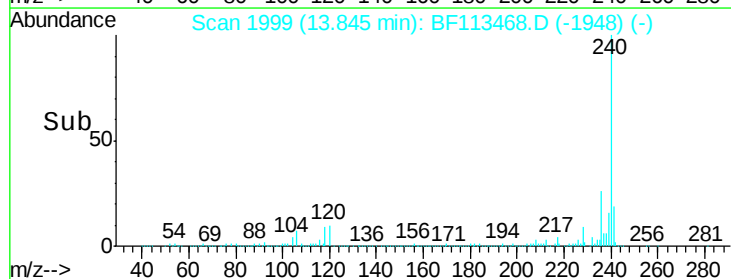
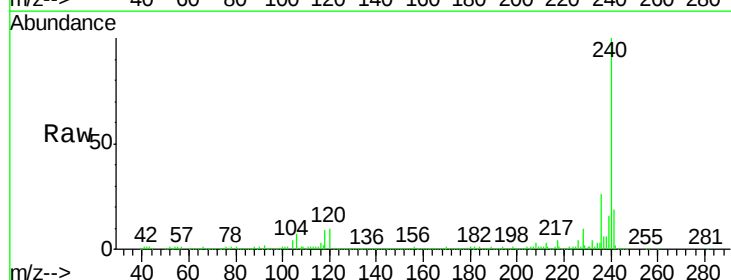
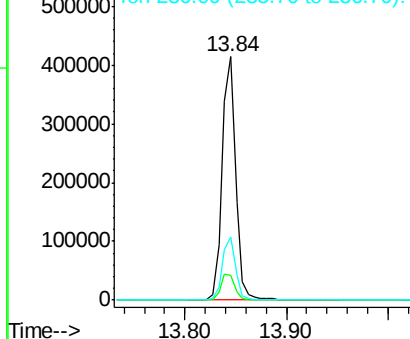
Delta R.T. 0.00 min

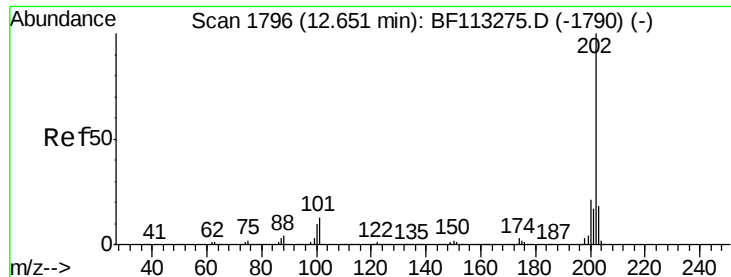
Lab File: BF113468.D

Acq: 1 Apr 2019 16:00

Tgt Ion:	240	Resp:	383547
Ion Ratio	Lower	Upper	
240	100		
120	9.9	8.8	13.2
236	25.8	20.9	31.3

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: 22.283 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF113468.D

Acq: 1 Apr 2019 16:00

Instrument :

BNA_F

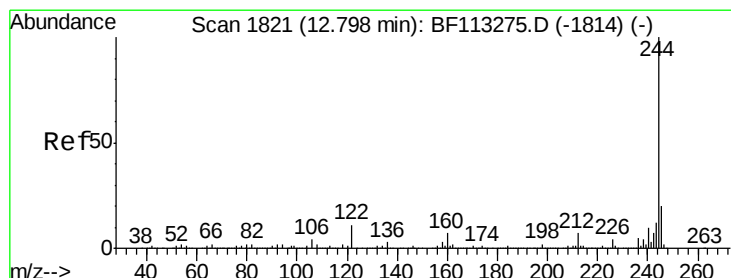
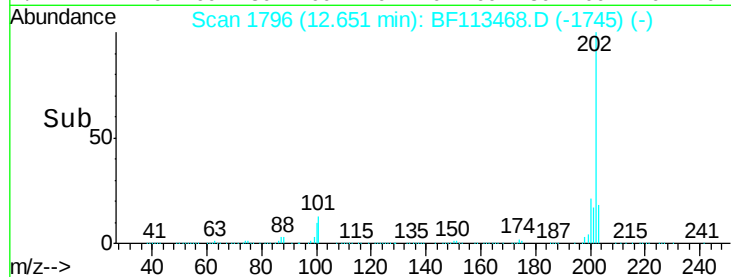
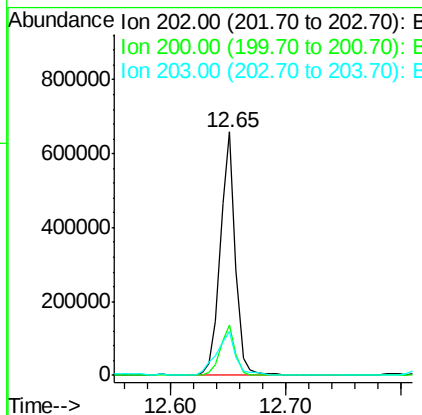
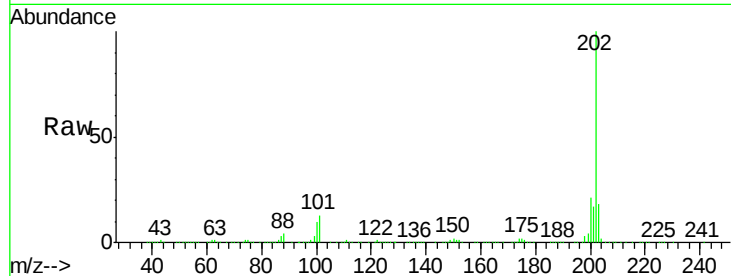
ClientSampleId :

RBR200030

Tgt Ion:	202	Resp:	592239
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.8	25.2
203	17.9	14.4	21.6

Manual Integrations
APPROVED

Sohil
4/2/2019 3:49:19 PM



#79

Terphenyl-d14

Concen: 74.619 ng

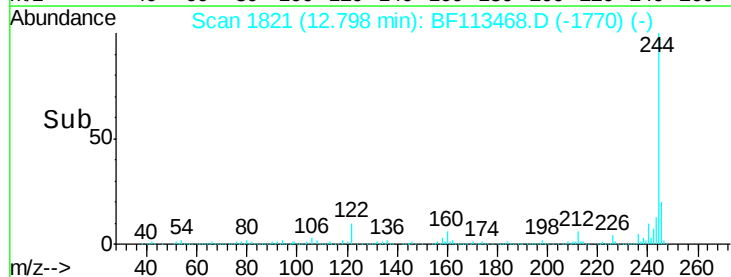
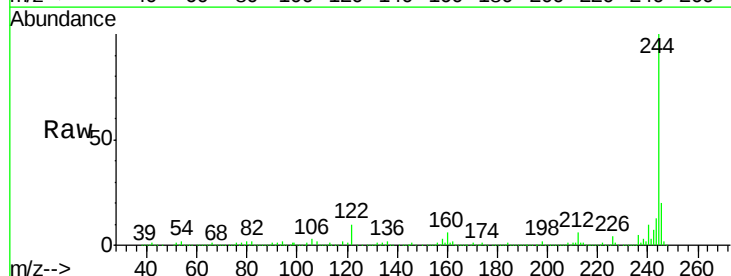
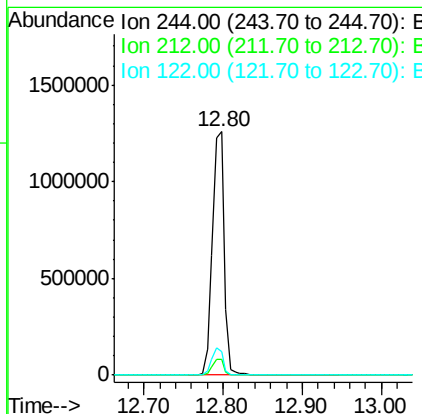
RT: 12.80 min Scan# 1821

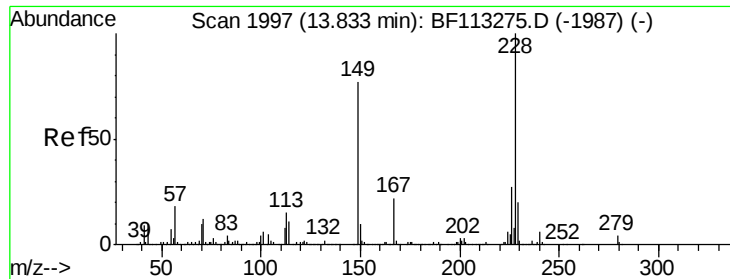
Delta R.T. 0.00 min

Lab File: BF113468.D

Acq: 1 Apr 2019 16:00

Tgt Ion:	244	Resp:	1298450
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.5	8.3
122	9.8	8.6	13.0





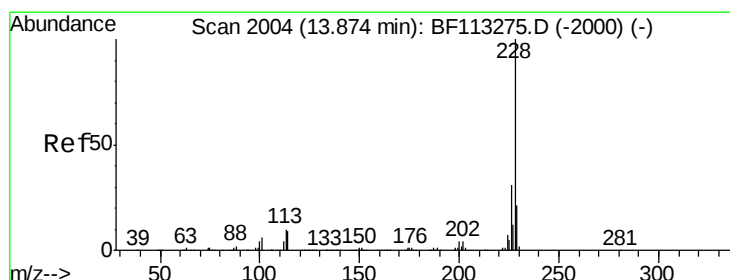
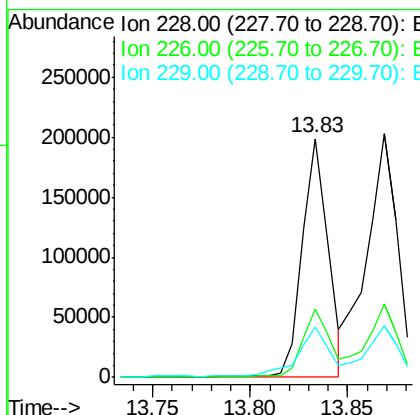
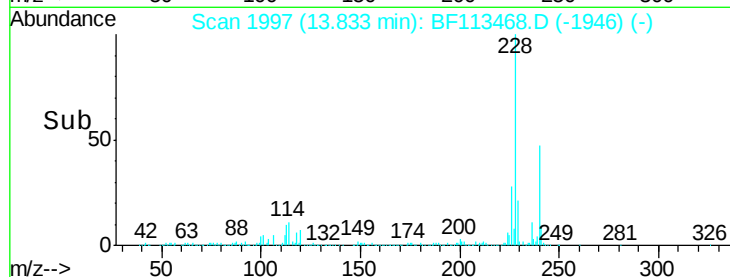
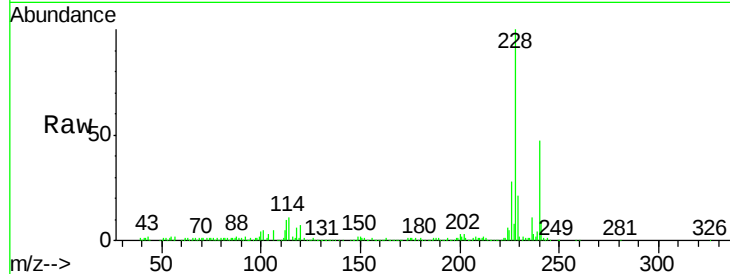
#81
Benzo(a)anthracene
Concen: 8.308 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	21.0	16.2	24.4

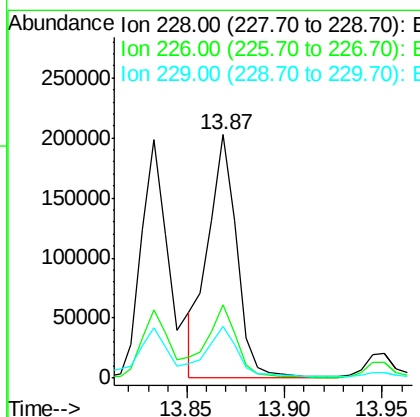
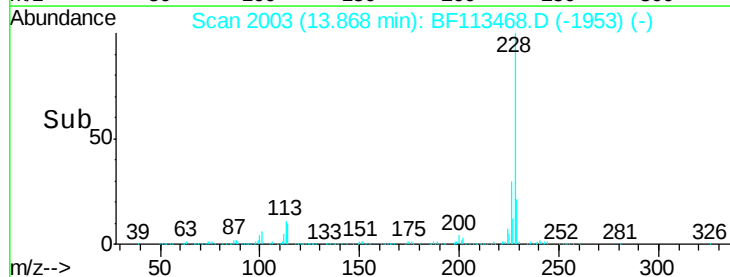
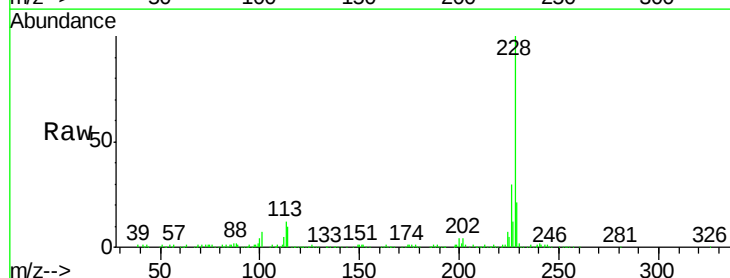
Manual Integrations
APPROVED

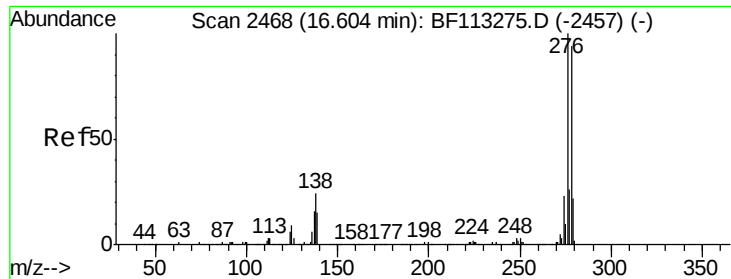
Sohil
4/2/2019 3:49:19 PM



#83
Chrysene
Concen: 9.276 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	21.3	16.3	24.5





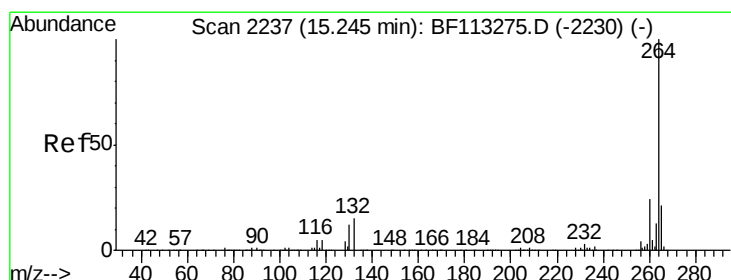
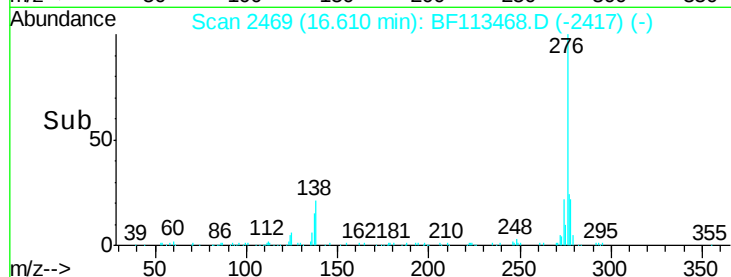
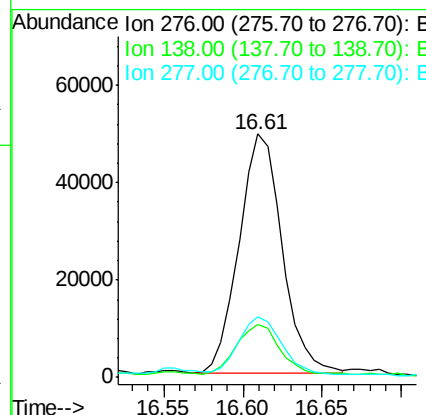
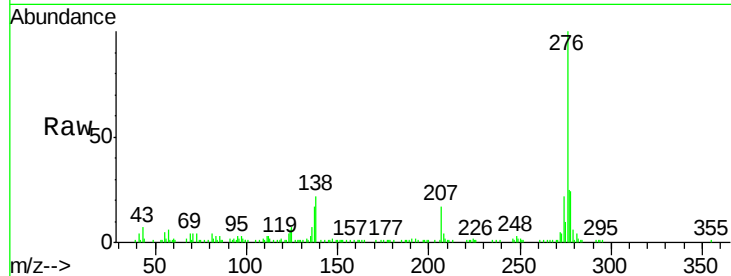
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.828 ng
 RT: 16.61 min Scan# 2469
 Delta R.T. 0.01 min
 Lab File: BF113468.D
 Acq: 1 Apr 2019 16:00

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	18.1	27.1
277	24.0	20.2	30.4

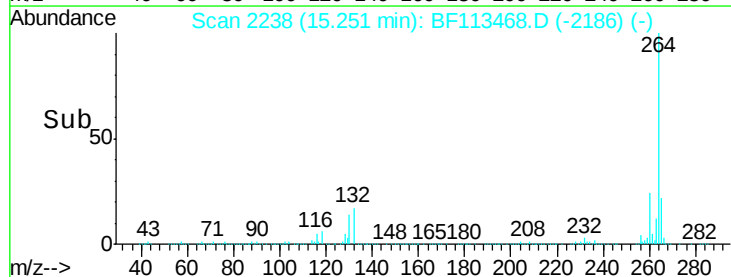
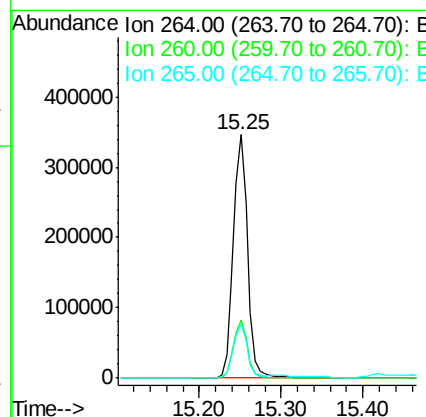
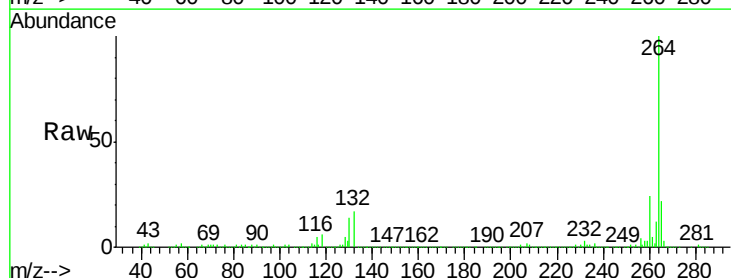
Manual Integrations
 APPROVED

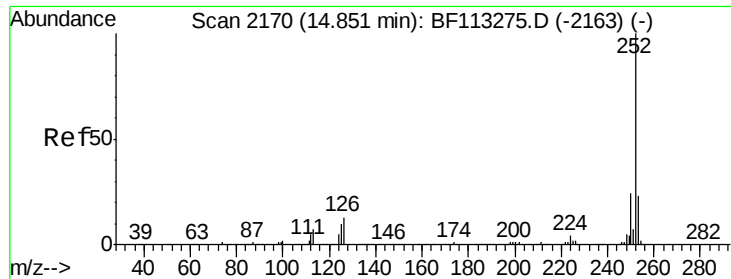
Sohil
 4/2/2019 3:49:19 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.25 min Scan# 2238
 Delta R.T. 0.01 min
 Lab File: BF113468.D
 Acq: 1 Apr 2019 16:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	22.1	17.1	25.7





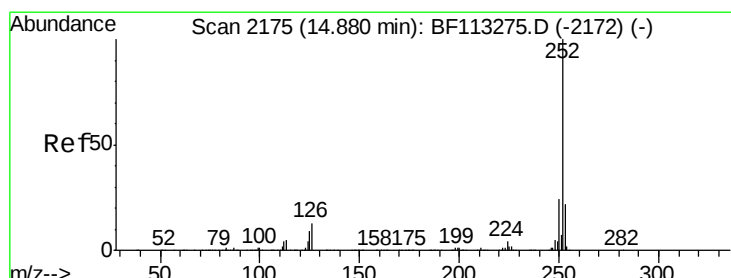
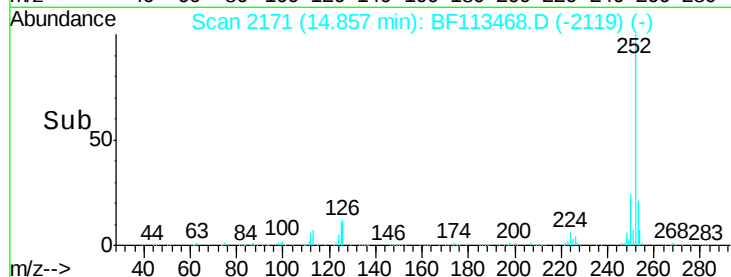
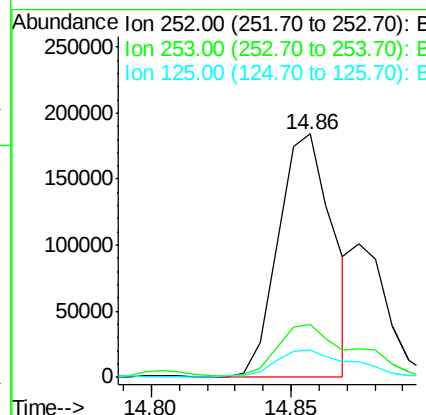
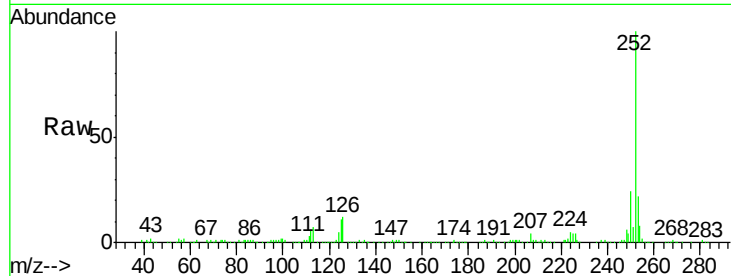
#88
Benzo(b)fluoranthene
Concen: 9.560 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	11.2	7.6	11.4

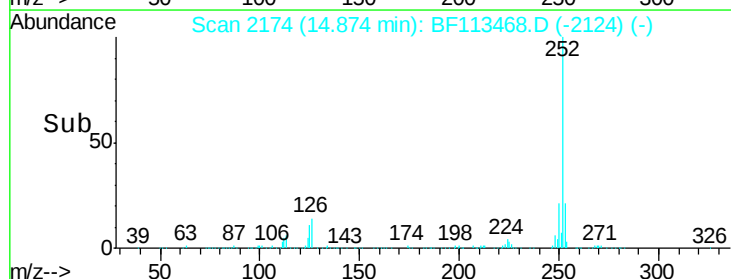
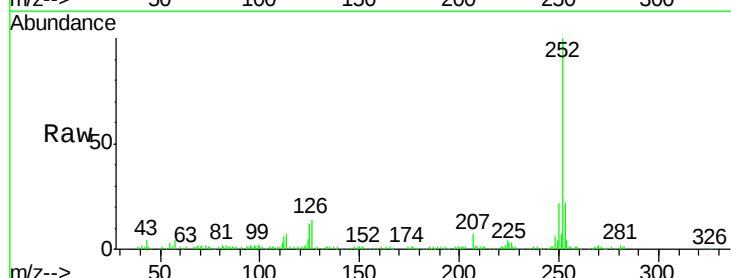
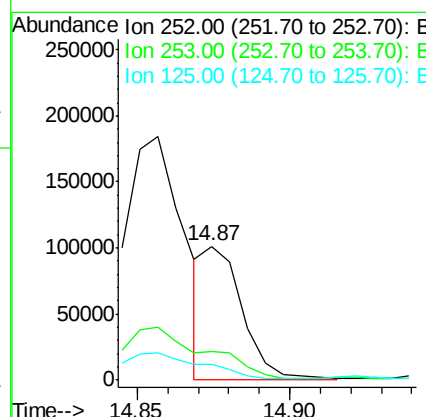
Manual Integrations
APPROVED

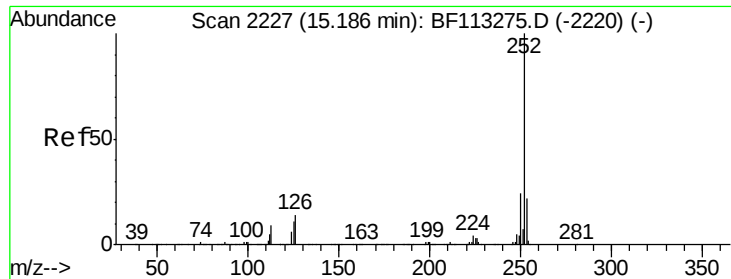
Sohil
4/2/2019 3:49:19 PM



#89
Benzo(k)fluoranthene
Concen: 3.879 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.6	7.3	10.9#





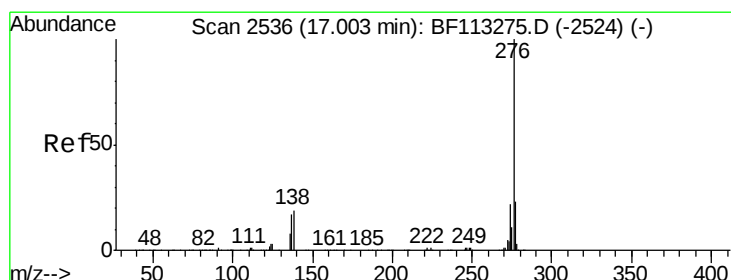
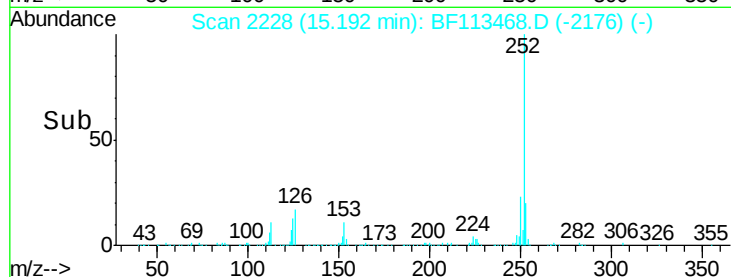
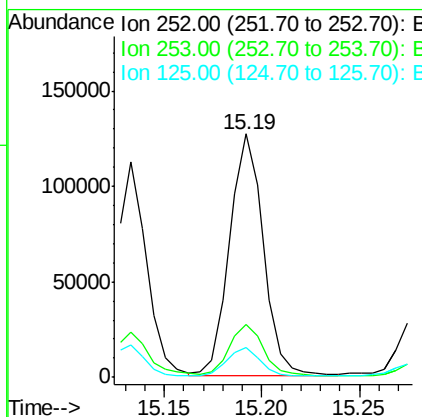
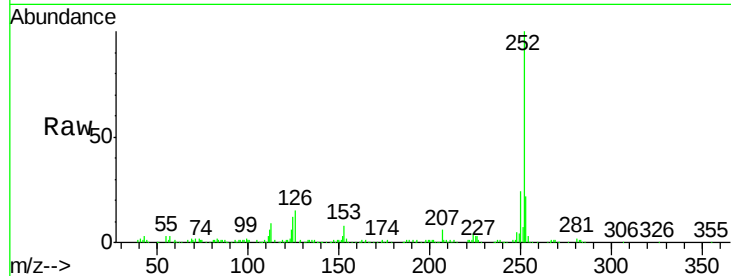
#90
Benzo(a)pyrene
Concen: 6.565 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tgt Ion:	252	Resp:	152939
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.9	26.9
125	12.2	8.8	13.2

Manual Integrations
APPROVED

Sohil
4/2/2019 3:49:19 PM



#92
Benzo(g,h,i)perylene
Concen: 4.266 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.02 min
Lab File: BF113468.D
Acq: 1 Apr 2019 16:00

Tgt Ion:	276	Resp:	86656
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.8	28.2
138	20.5	15.6	23.4

