

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109501.D
 Acq On : 2 Oct 2018 15:11
 Operator : JU/SJ
 Sample : J5200-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-A

Manual Integrations
 APPROVED

Sohil
 10/3/2018 9:31:01 AM

Quant Time: Oct 03 09:04:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	112002	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	444553	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	211074	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	387766	20.00	ng	0.00
75) Chrysene-d12	13.84	240	279840	20.00	ng	0.00
86) Perylene-d12	15.24	264	295177	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	248693	36.57	ng	0.00
7) Phenol-d6	6.35	99	350621	40.41	ng	-0.01
23) Nitrobenzene-d5	7.26	82	219574	29.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	85675	41.18	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	438315	31.32	ng	-0.02
78) Terphenyl-d14	12.79	244	374736	32.86	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.45	163	48996	3.191	ng	Qvalue # 99
57) Fluorene	10.28	166	44140	3.320	ng	96
70) Phenanthrene	11.23	178	247728	12.795	ng	99
71) Anthracene	11.29	178	59161	3.013	ng	98
74) Fluoranthene	12.42	202	269693	13.035	ng	95
77) Pyrene	12.64	202	286366	14.279	ng	100
80) Benzo(a)anthracene	13.83	228	126112	7.482	ng	93
82) Chrysene	13.86	228	117279	7.020	ng	97
85) Indeno(1,2,3-cd)pyrene	16.59	276	51590	3.810	ng	# 90
87) Benzo(b)fluoranthene	14.84	252	129607m	7.991	ng	
88) Benzo(k)fluoranthene	14.87	252	43262m	2.811	ng	
89) Benzo(a)pyrene	15.18	252	103228	7.063	ng	98
91) Benzo(a,h,i)perylene	16.99	276	45774	3.884	ng	# 92

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

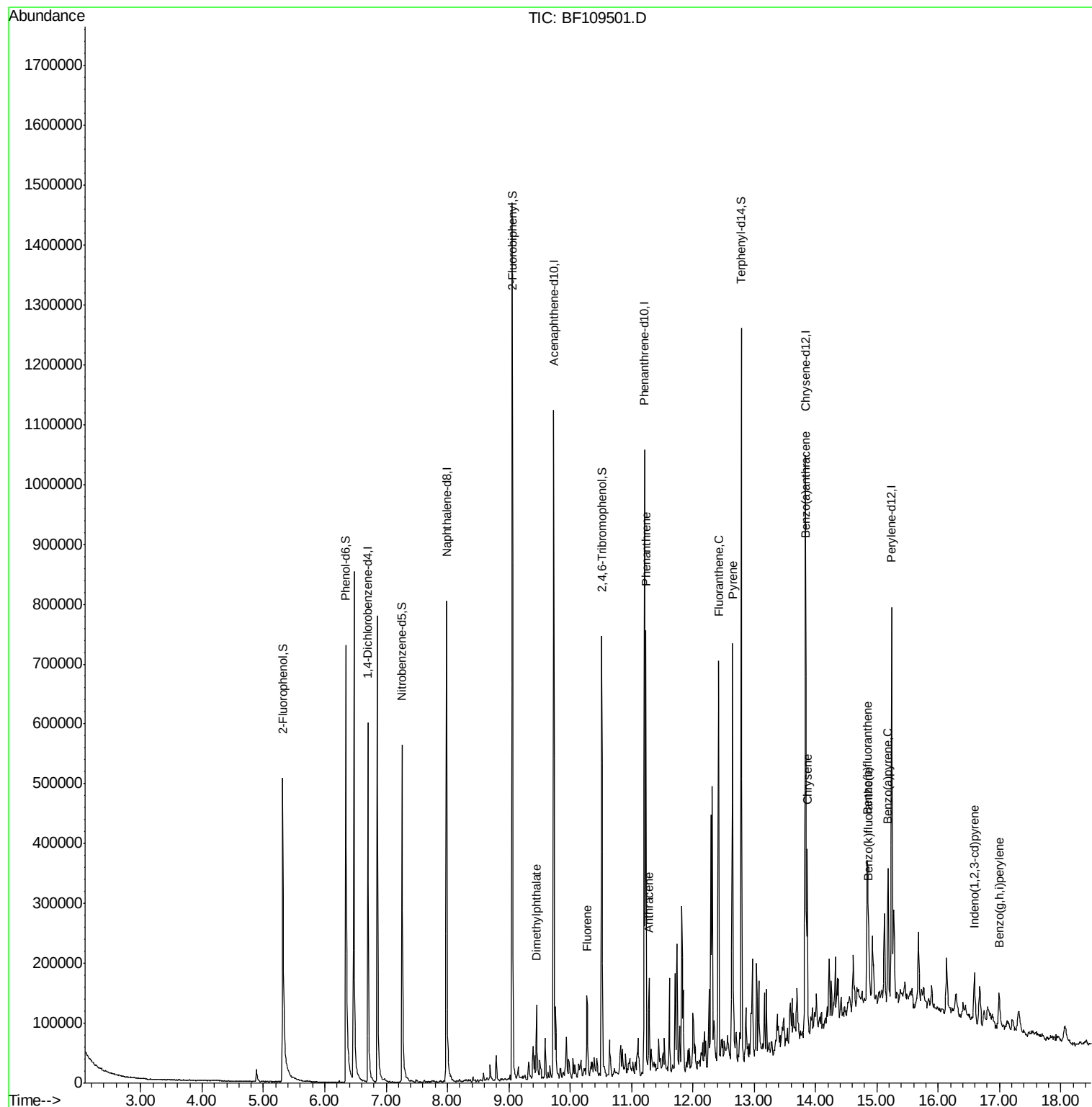
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
Acq On : 2 Oct 2018 15:11
Operator : JU/SJ
Sample : J5200-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

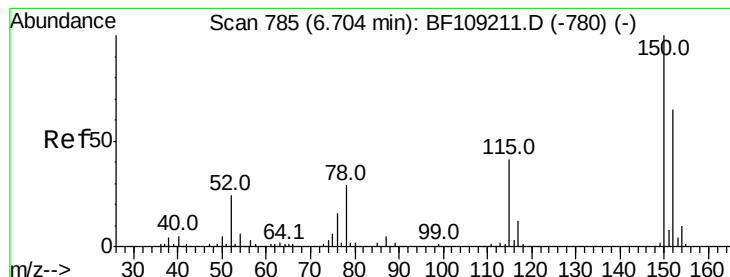
Instrument :
BNA_F
ClientSampleID :
OR-02-100118-A

Manual Integrations
APPROVED

Sohil
10/3/2018 9:31:01 AM

Quant Time: Oct 03 09:04:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration





#1

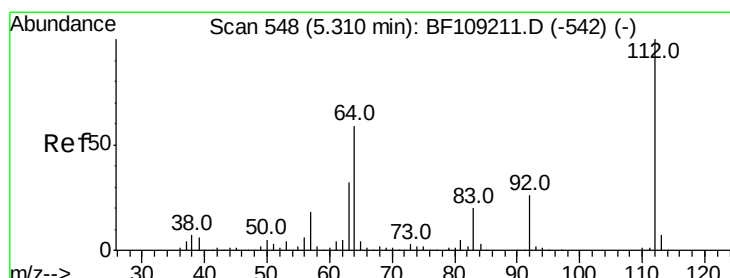
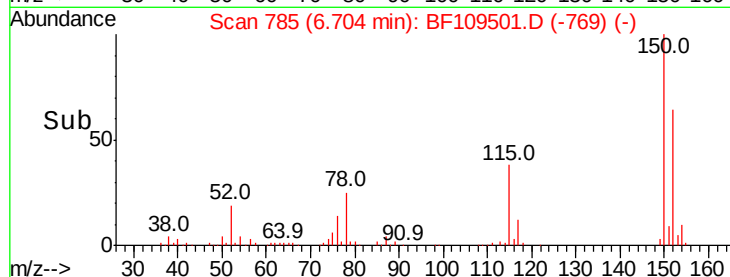
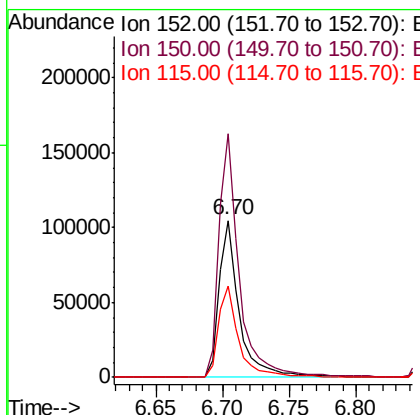
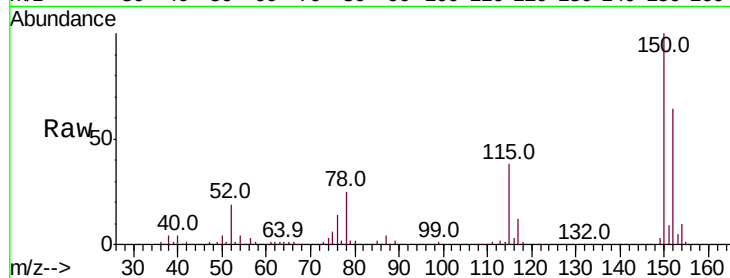
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Instrument :
BNA_F
ClientSampleId :
OR-02-100118-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	58.3	50.1	75.1

Manual Integrations
APPROVED

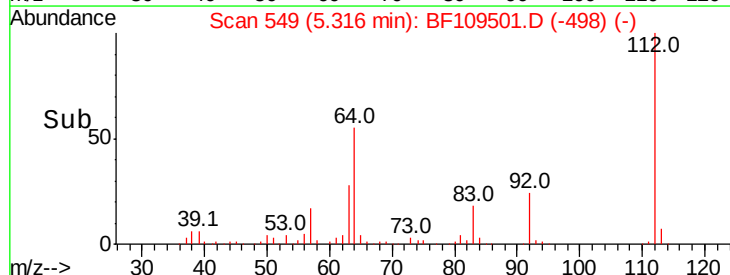
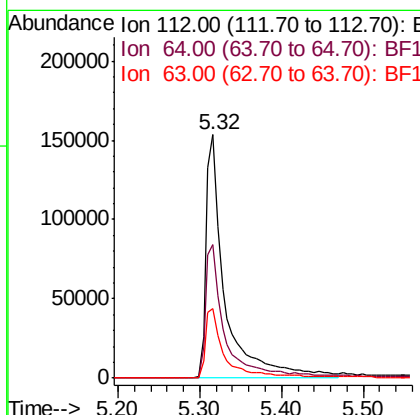
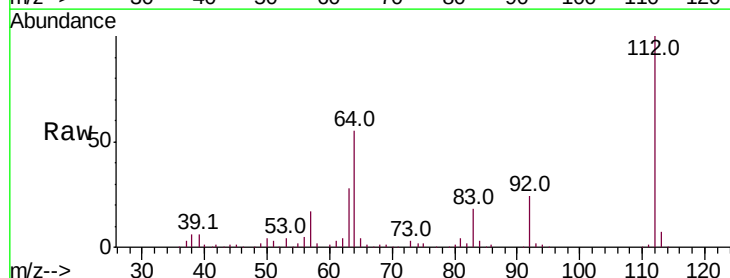
Sohil
10/3/2018 9:31:01 AM

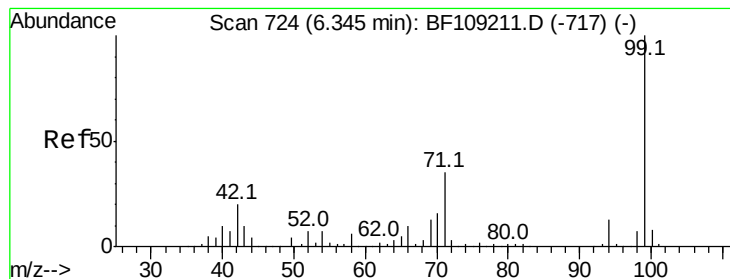


#5

2-Fluorophenol
Concen: 36.572 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 40.408 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Instrument :

BNA_F

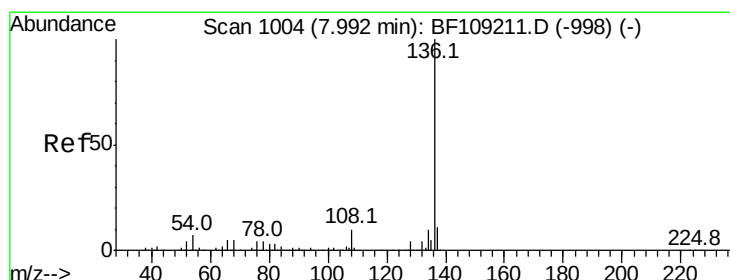
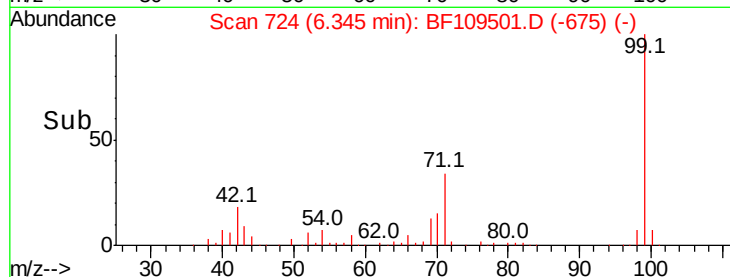
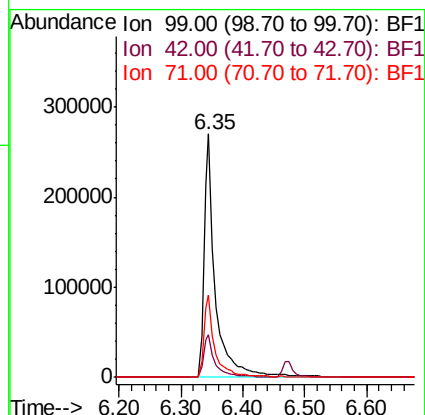
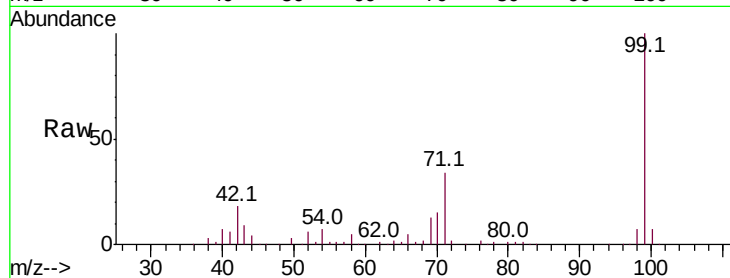
ClientSampleId :

OR-02-100118-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		350621		
42	17.7	14.5	21.7		
71	33.7	25.4	38.0		

Manual Integrations
APPROVED

Sohil
10/3/2018 9:31:01 AM



#21

Naphthalene-d8

Concen: 20.000 ng

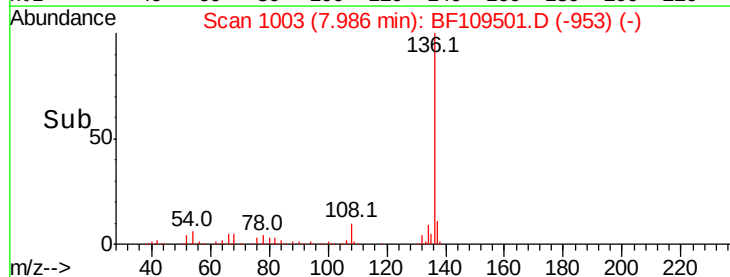
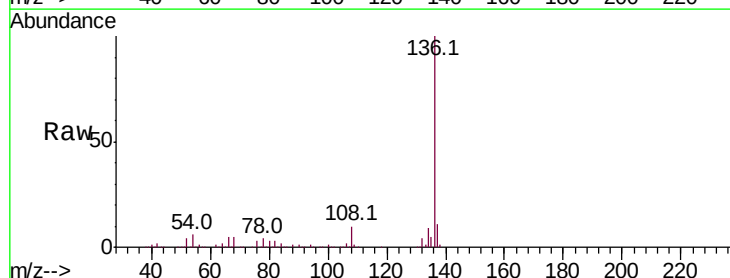
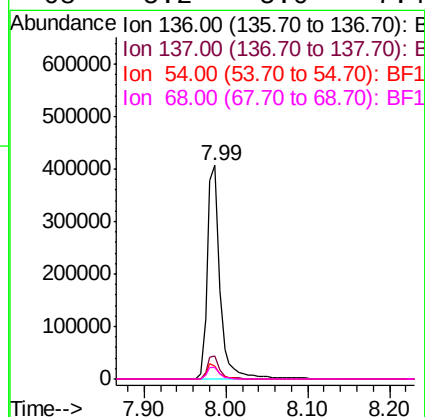
RT: 7.99 min Scan# 1003

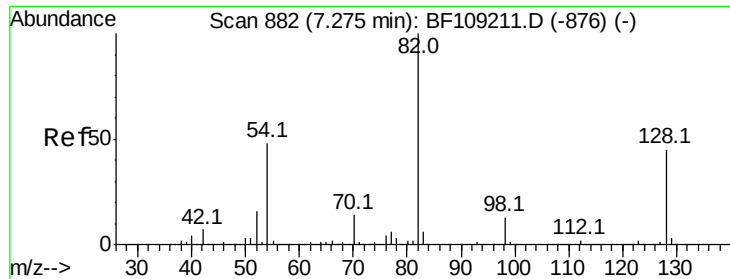
Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		444553		
137	10.8	8.9	13.3		
54	6.3	6.6	9.8		
68	5.2	5.0	7.4		





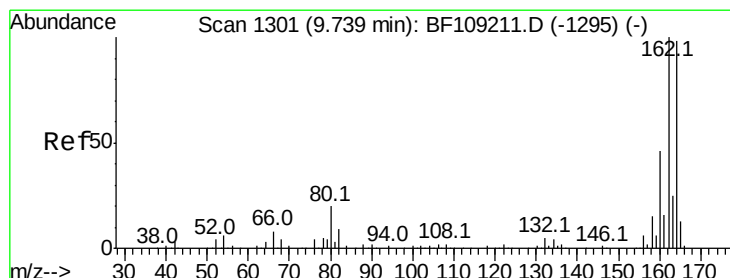
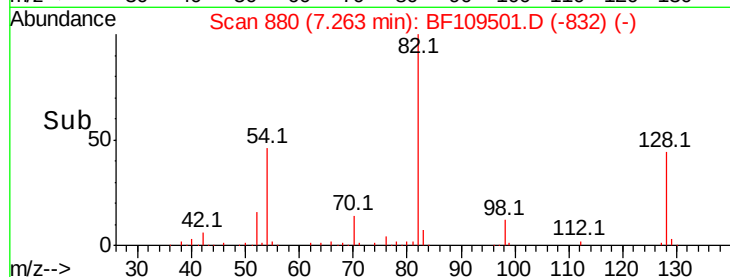
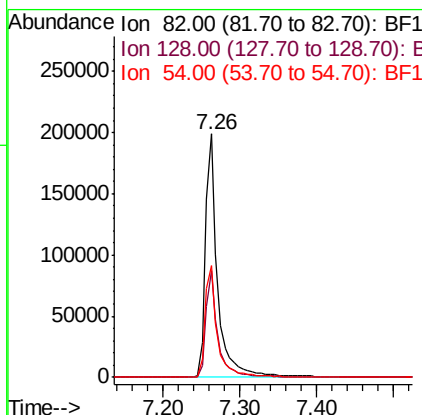
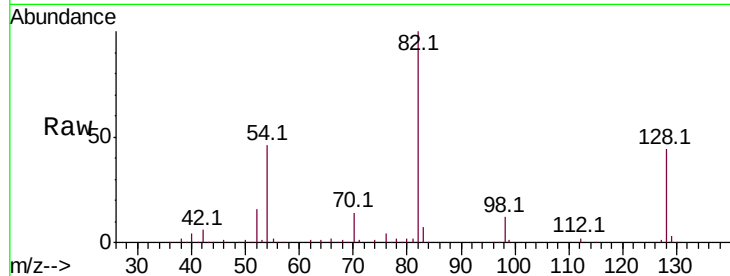
#23
 Nitrobenzene-d5
 Concen: 29.157 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Instrument :
 BNA_F
 ClientSampled :
 OR-02-100118-A

Tot Ion	82	Resp	219574
Ion Ratio	100	Lower	Upper
128	44.0	36.1	54.1
54	46.1	41.4	62.2

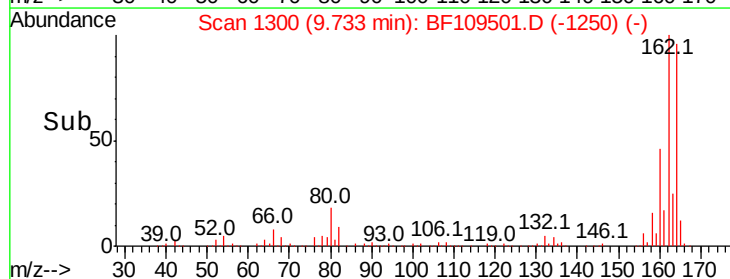
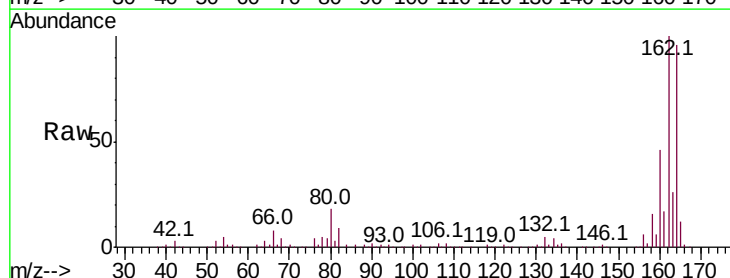
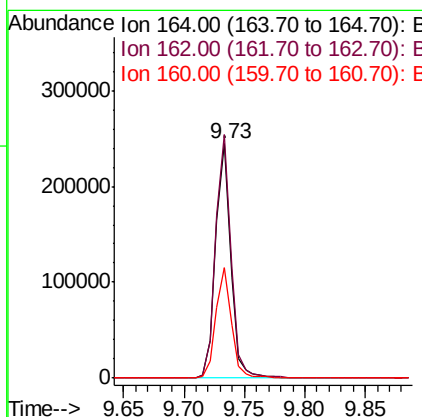
Manual Integrations
 APPROVED

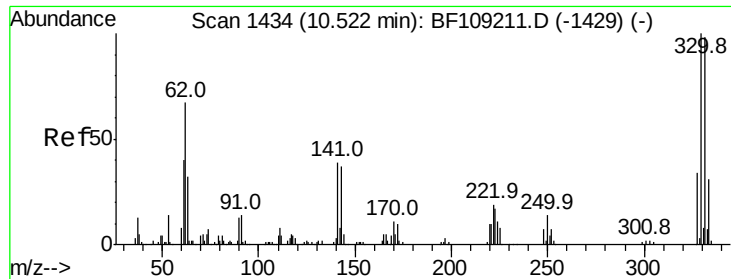
Sohil
 10/3/2018 9:31:01 AM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Tgt Ion	164	Resp	211074
Ion Ratio	100	Lower	Upper
162	103.8	86.1	129.1
160	47.3	38.3	57.5





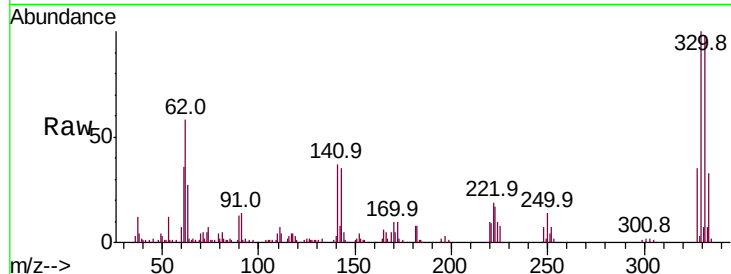
#41
 2,4,6-Tribromophenol
 Concen: 41.175 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-A

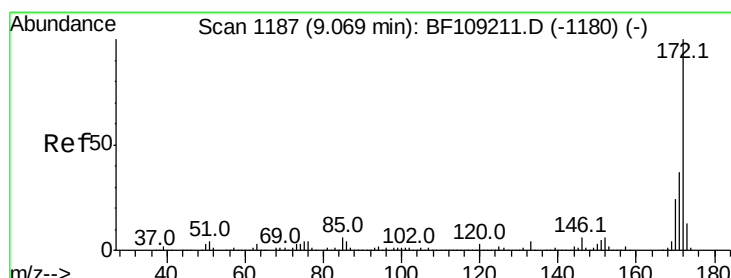
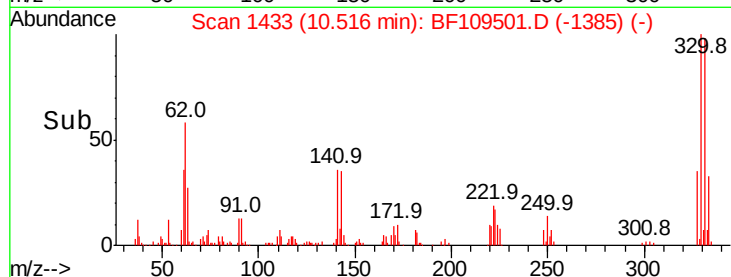
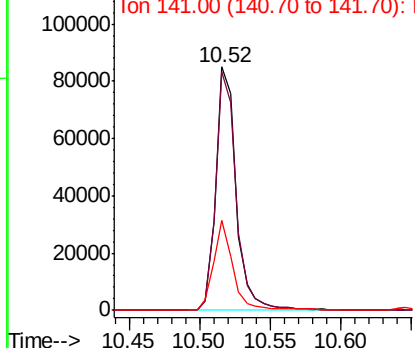
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	35.3	29.9	44.9

Manual Integrations
 APPROVED

Sohil
 10/3/2018 9:31:01 AM

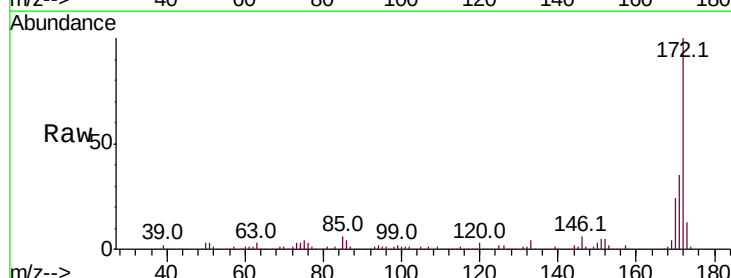


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

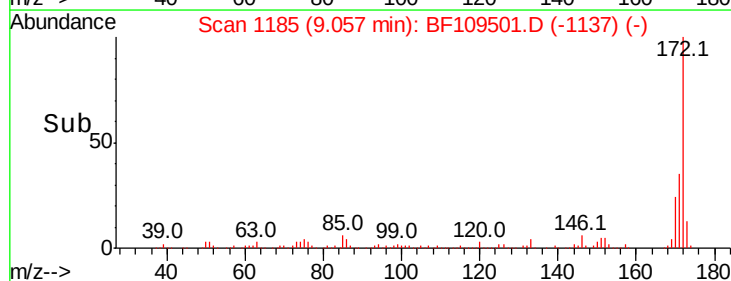
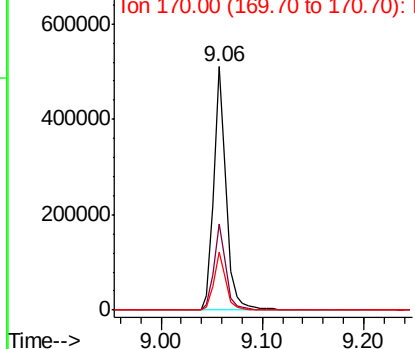


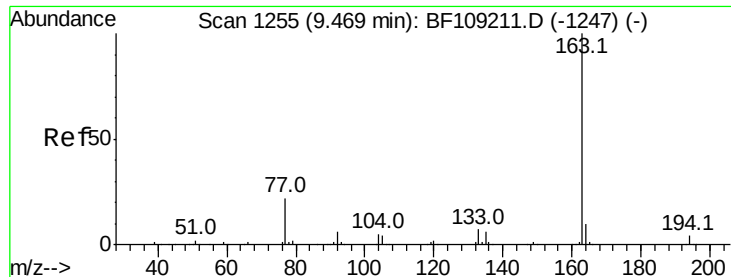
#44
 2-Fluorobiphenyl
 Concen: 31.319 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.7	19.6	29.4



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





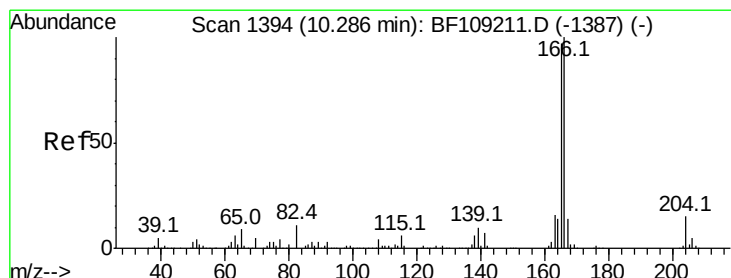
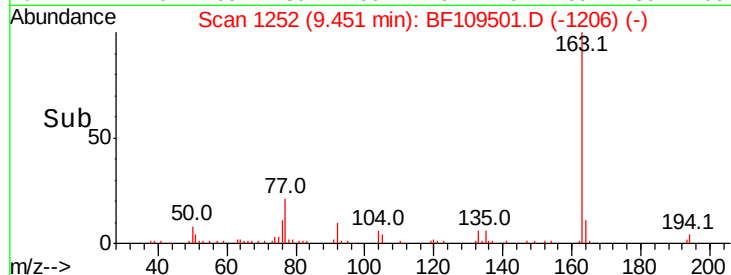
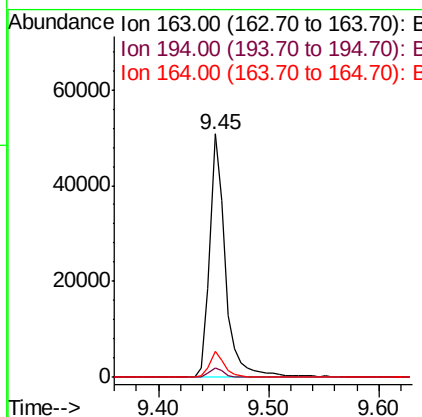
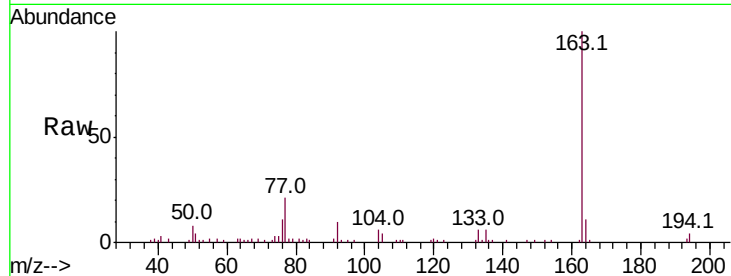
#49
Dimethylphthalate
Concen: 3.191 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Instrument :
BNA_F
ClientSampleId :
OR-02-100118-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	48996		
194	4.1		2.7	4.1#
164	10.6		8.2	12.2

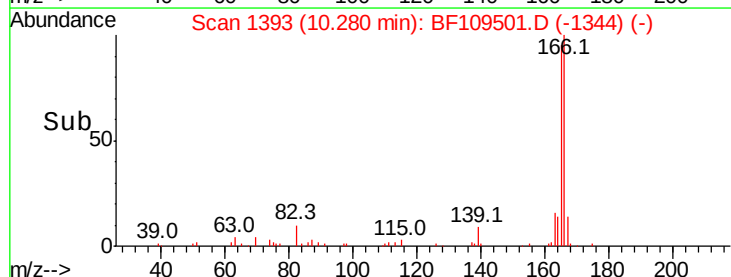
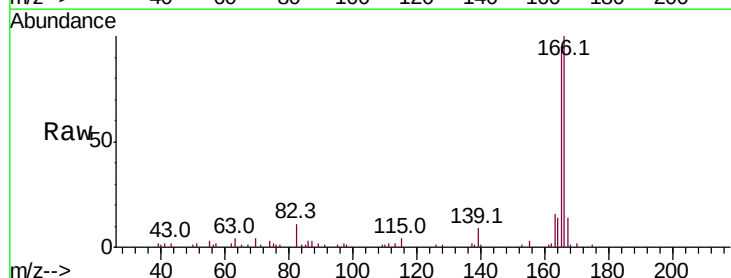
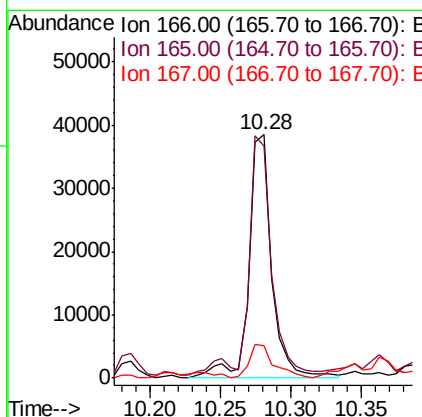
Manual Integrations
APPROVED

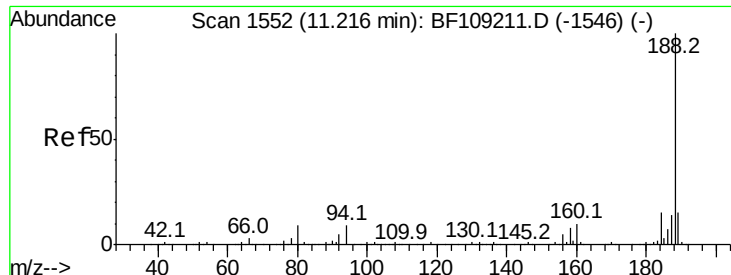
Sohil
10/3/2018 9:31:01 AM



#57
Fluorene
Concen: 3.320 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	44140		
165	95.3		79.8	119.8
167	13.6		10.6	16.0





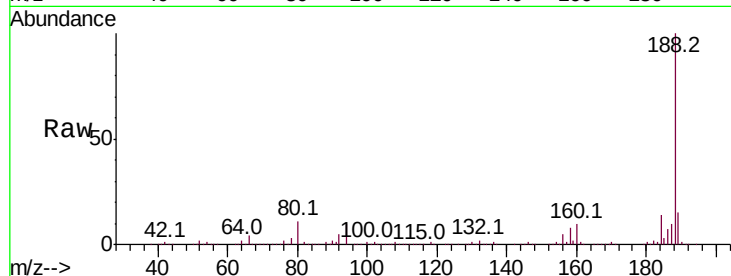
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Instrument :
BNA_F
ClientSampleId :
OR-02-100118-A

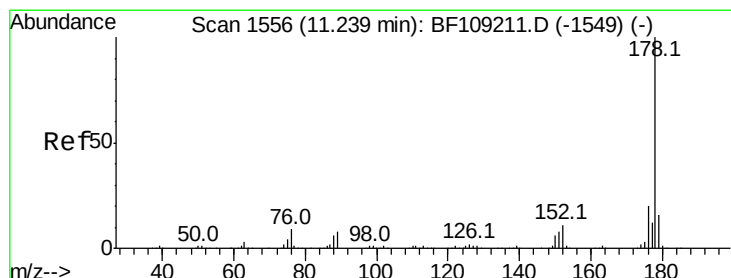
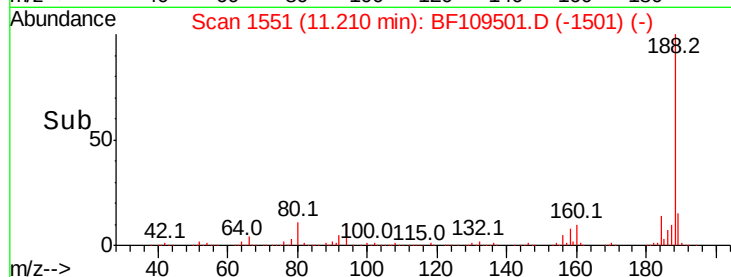
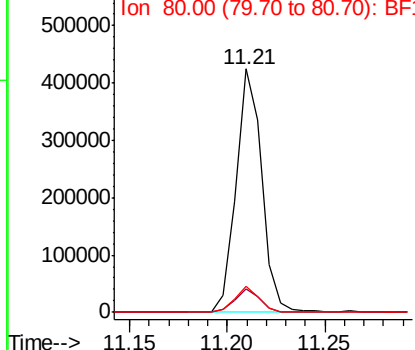
Tot Ion	Ratio	Resp	Lower	Upper
188	100	387766		
94	9.6		8.5	12.7
80	10.6		9.2	13.8

Manual Integrations
APPROVED

Sohil
10/3/2018 9:31:01 AM

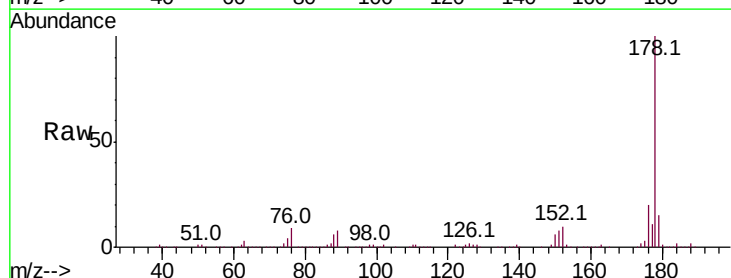


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

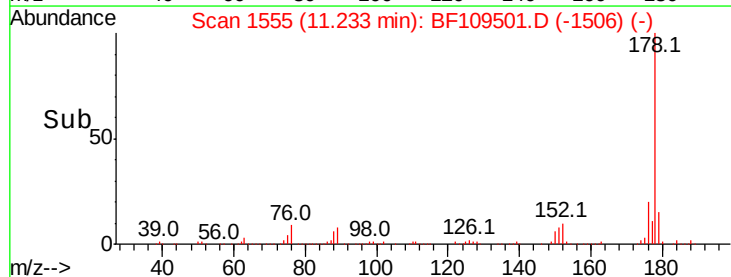
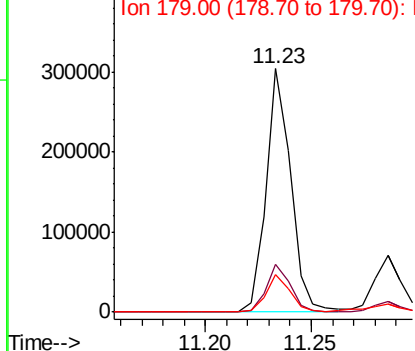


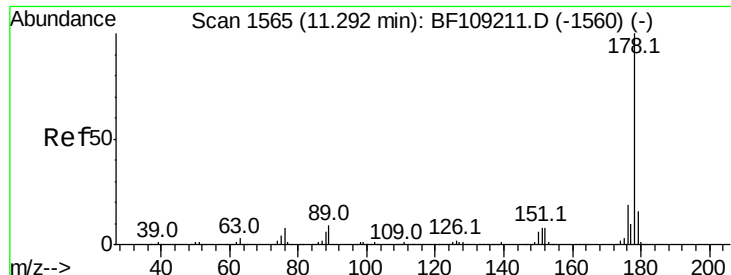
#70
Phenanthrene
Concen: 12.795 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	247728		
176	19.8		15.8	23.8
179	15.4		13.0	19.6



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





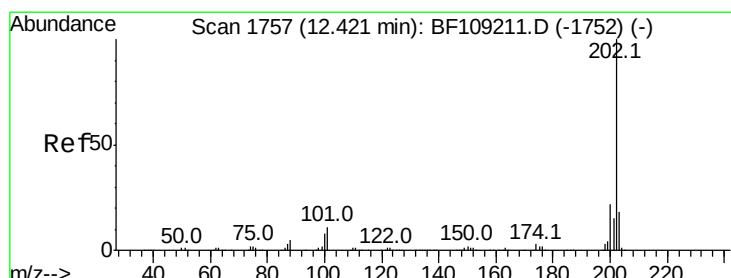
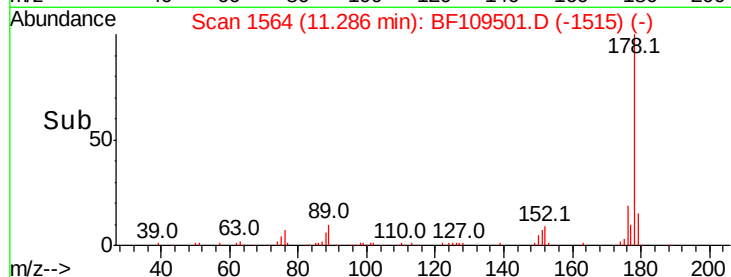
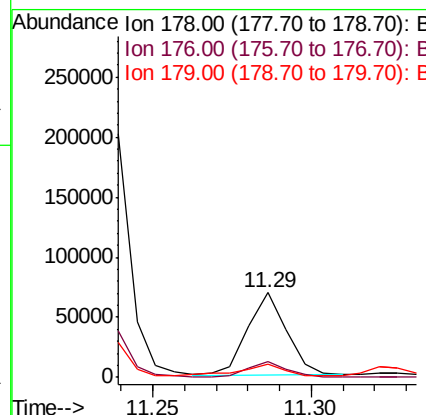
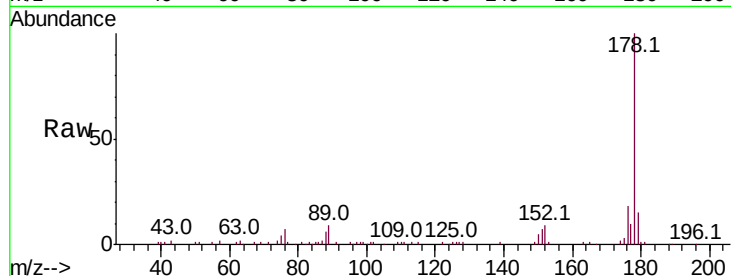
#71
 Anthracene
 Concen: 3.013 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.1	12.6	19.0

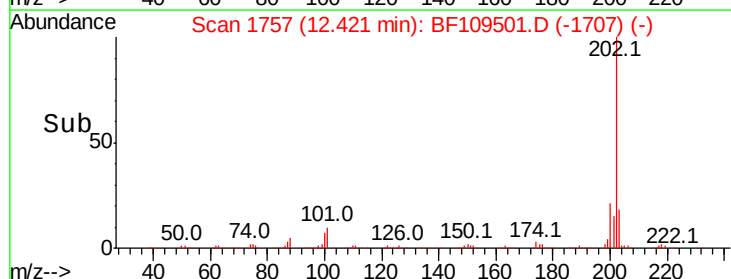
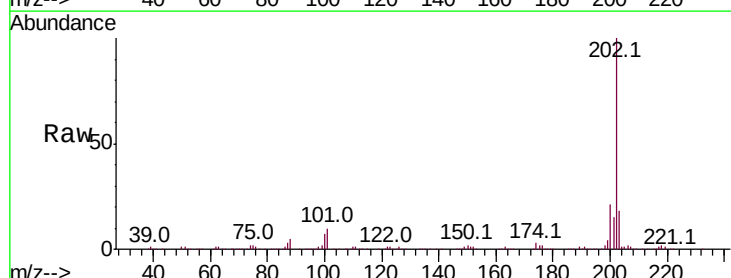
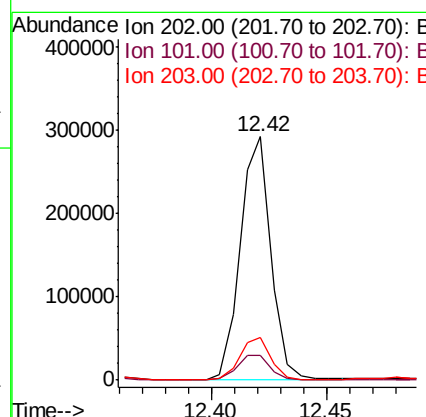
Manual Integrations
 APPROVED

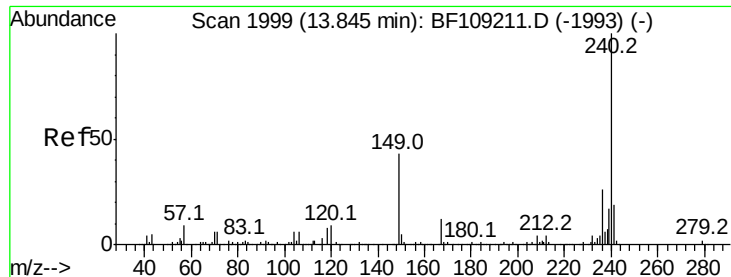
Sohil
 10/3/2018 9:31:01 AM



#74
 Fluoranthene
 Concen: 13.035 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Instrument :

BNA_F

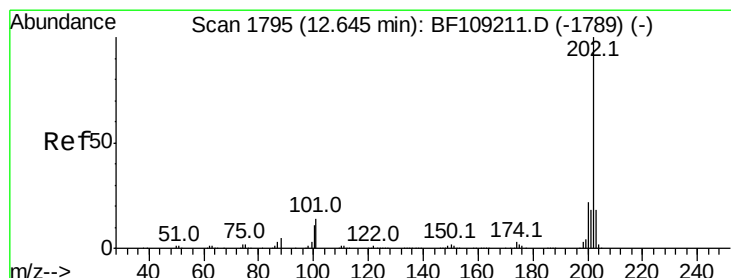
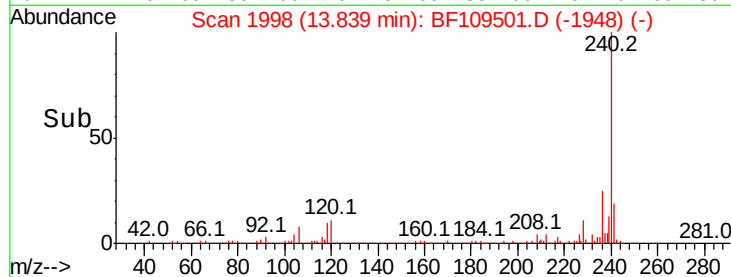
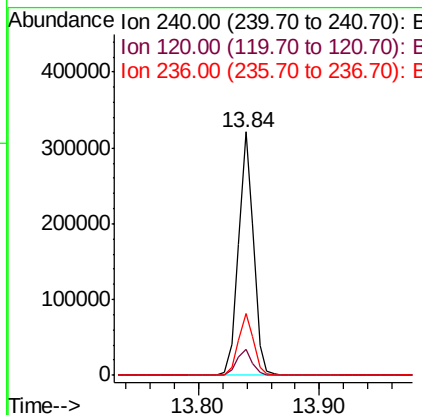
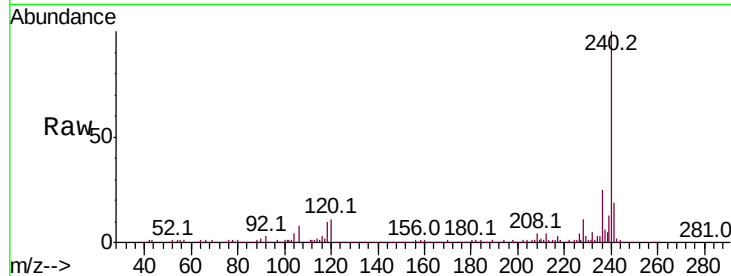
ClientSampleId :

OR-02-100118-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100	279840		
120	10.8		9.5	14.3
236	25.5		20.7	31.1

Manual Integrations
APPROVED

Sohil
10/3/2018 9:31:01 AM



#77

Pyrene

Concen: 14.279 ng

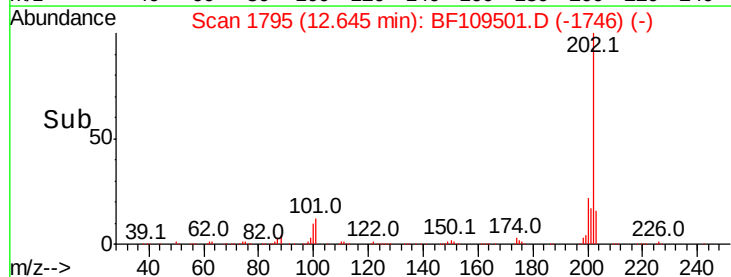
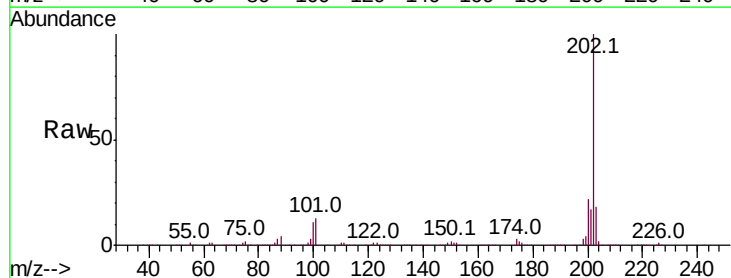
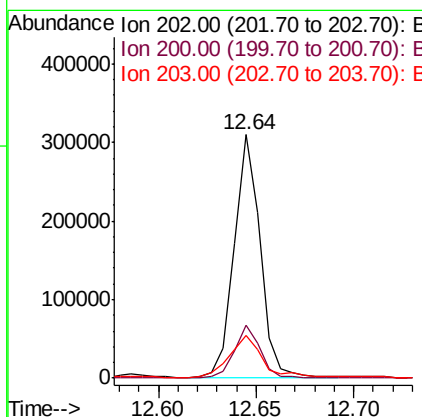
RT: 12.64 min Scan# 1795

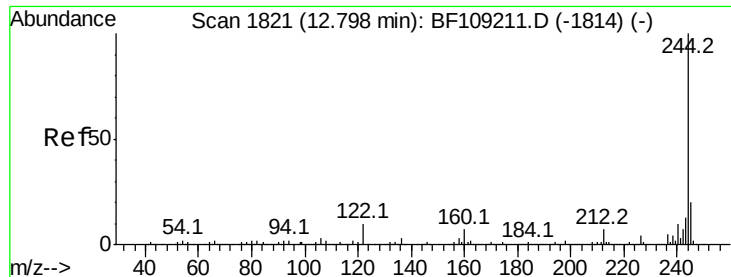
Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	286366		
200	21.8		17.4	26.2
203	17.7		14.3	21.5





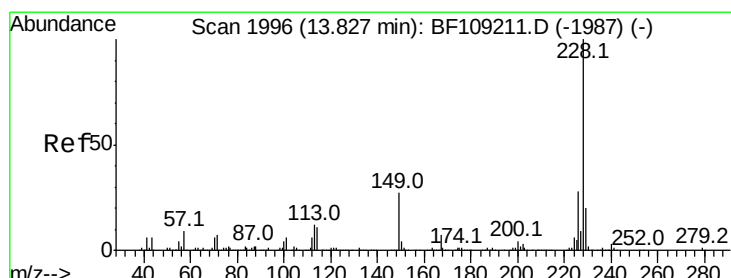
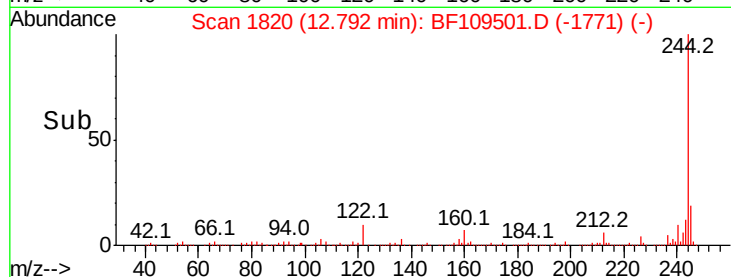
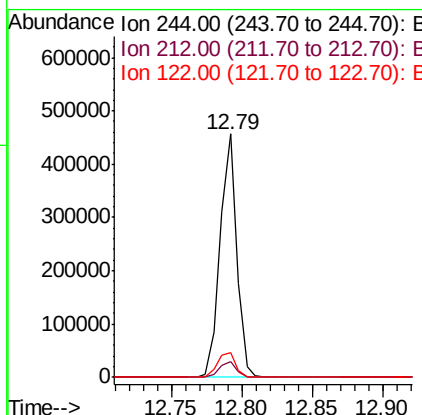
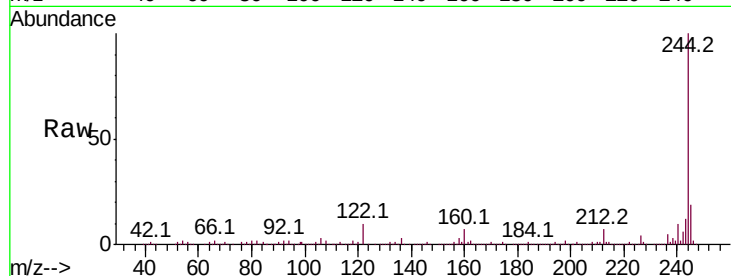
#78
 Terphenyl-d14
 Concen: 32.864 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.1	11.0	16.4

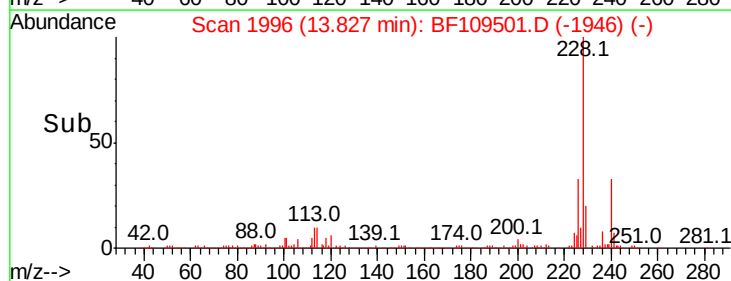
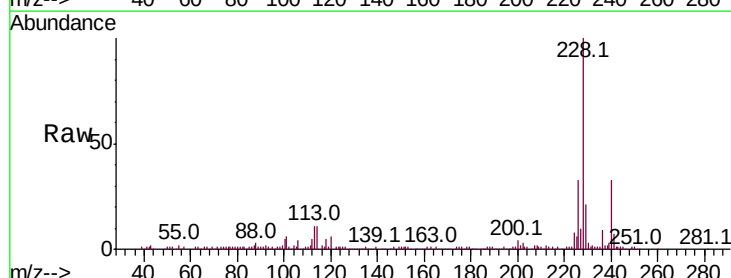
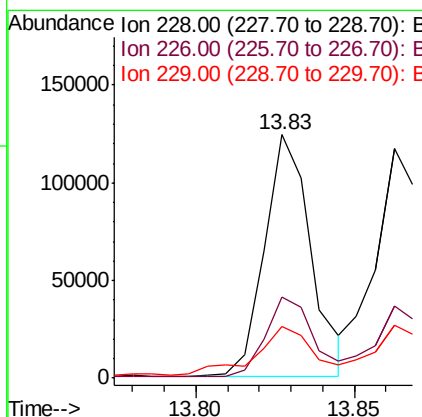
Manual Integrations
 APPROVED

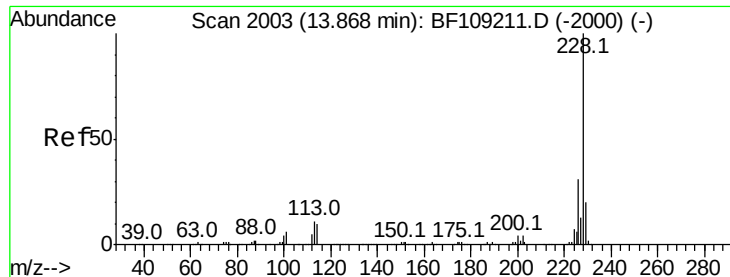
Sohil
 10/3/2018 9:31:01 AM



#80
 Benzo(a)anthracene
 Concen: 7.482 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.6	33.8
229	21.1	15.8	23.6





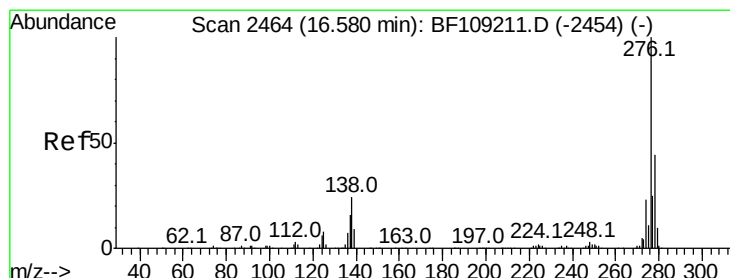
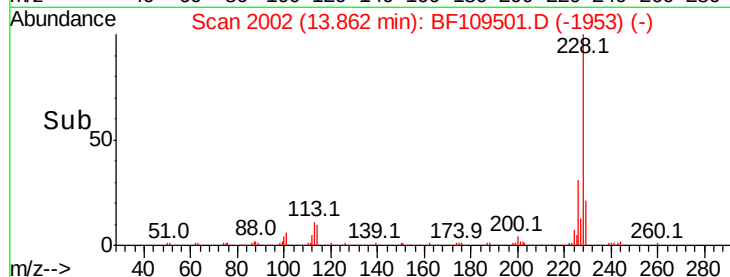
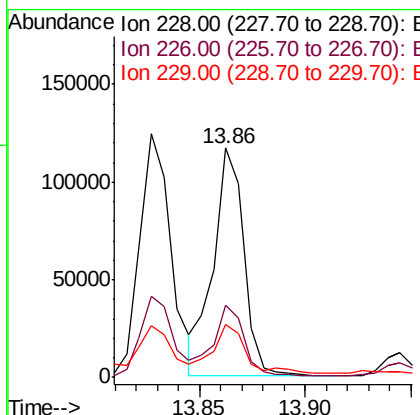
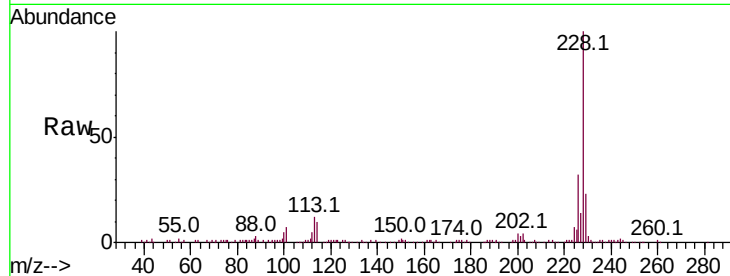
#82
Chrysene
Concen: 7.020 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Instrument :
BNA_F
ClientSampleId :
OR-02-100118-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	23.0	16.2	24.4

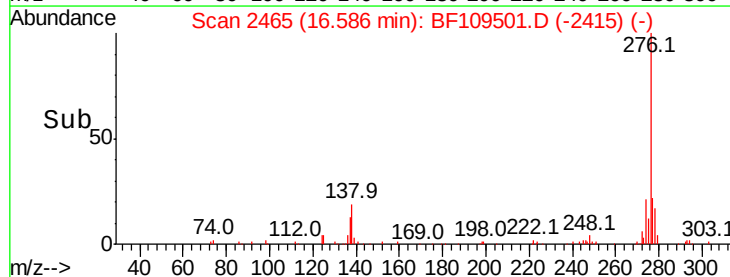
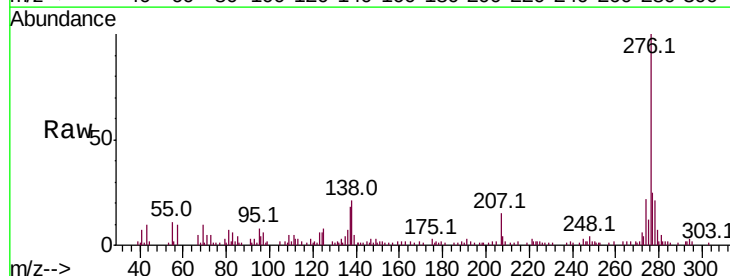
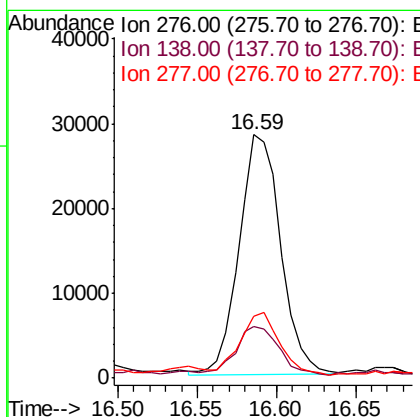
Manual Integrations
APPROVED

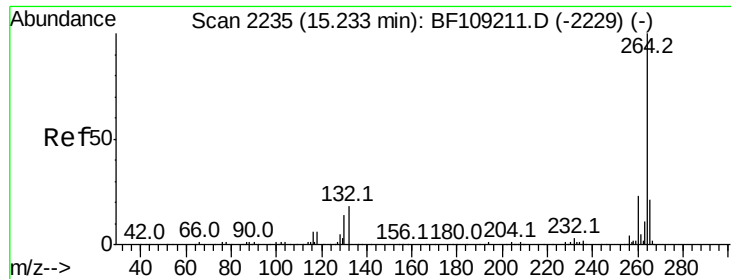
Sohil
10/3/2018 9:31:01 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.810 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	25.0	37.6#
277	24.4	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Instrument :

BNA_F

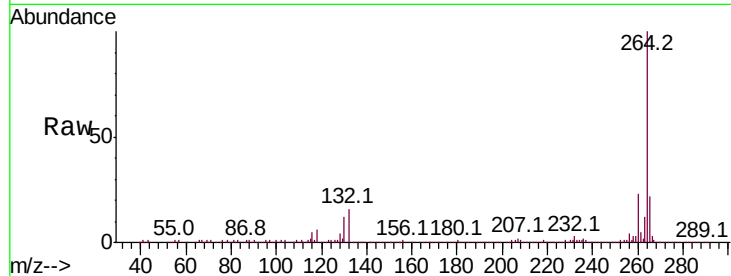
ClientSampleId :

OR-02-100118-A

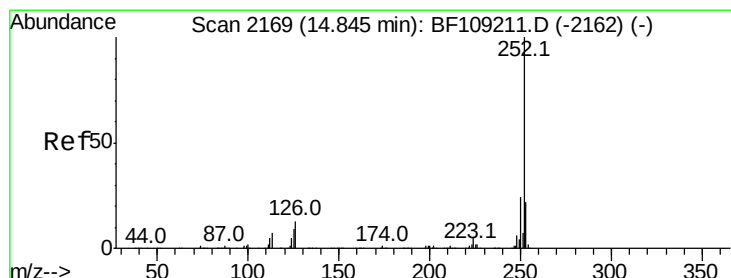
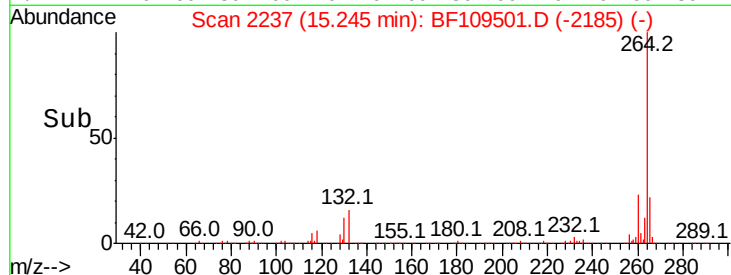
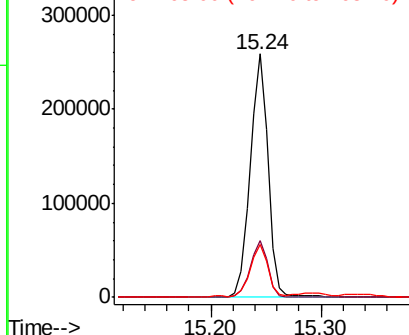
Tot Ion:	264	Resp:	295177
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.2	28.8
265	21.8	17.5	26.3

Manual Integrations
APPROVED

Sohil
10/3/2018 9:31:01 AM



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



#87

Benzo(b)fluoranthene

Concen: 7.991 ng m

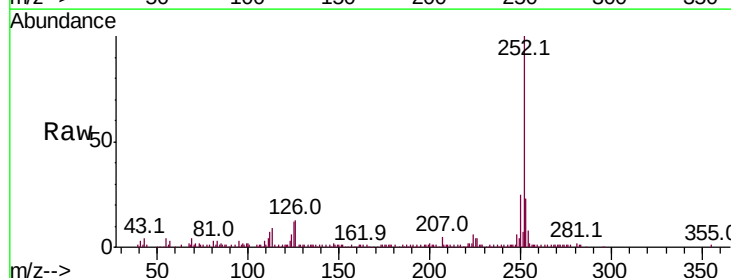
RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

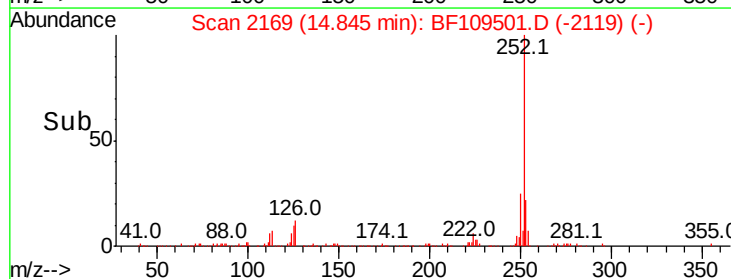
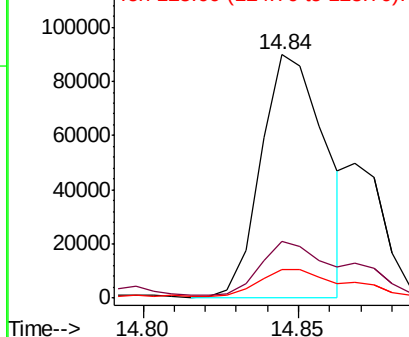
Lab File: BF109501.D

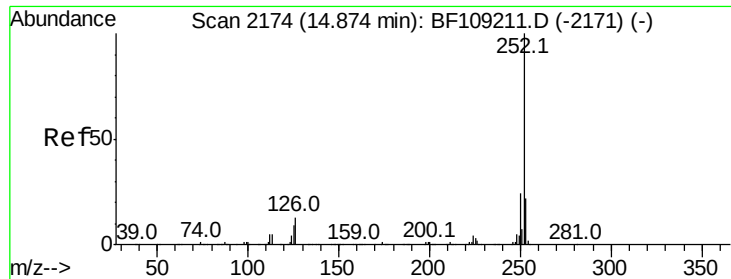
Acq: 2 Oct 2018 15:11

Tgt Ion:	252	Resp:	129607
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	11.5	9.0	13.6



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





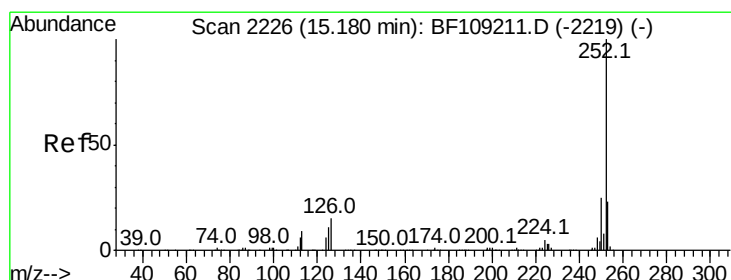
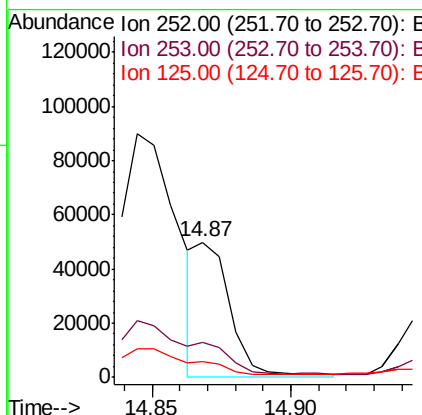
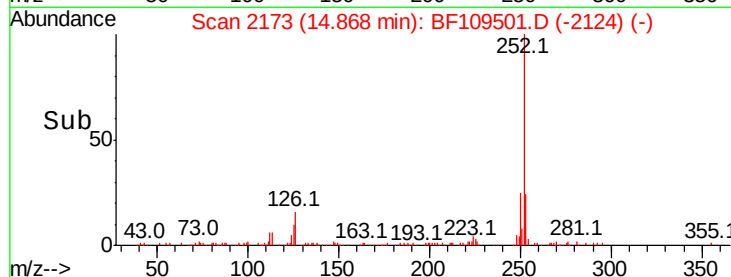
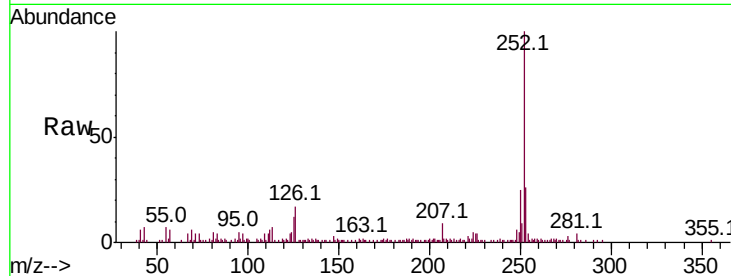
#88
Benzo(k)fluoranthene
Concen: 2.811 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Instrument :
BNA_F
ClientSampleId :
OR-02-100118-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	12.1	10.2	15.2

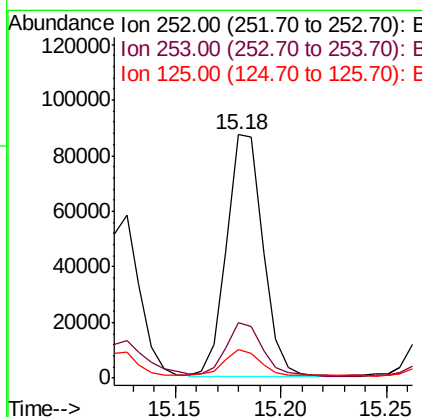
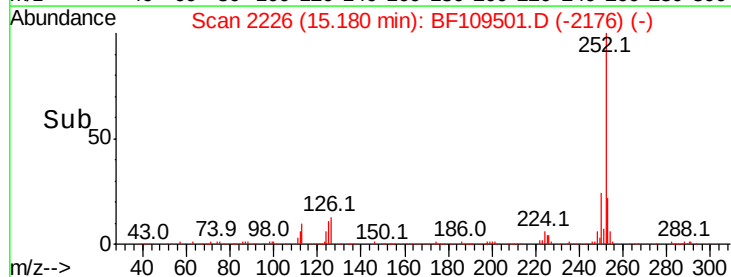
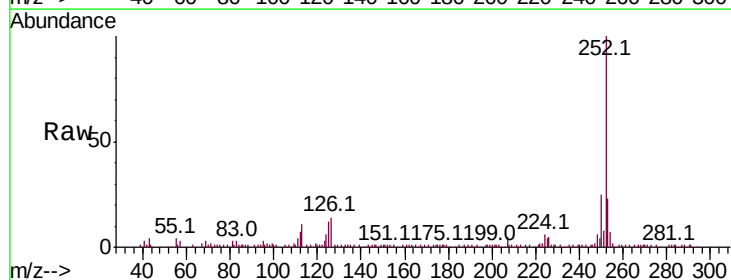
Manual Integrations
APPROVED

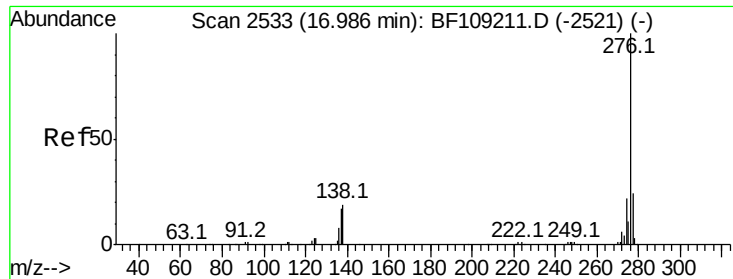
Sohil
10/3/2018 9:31:01 AM



#89
Benzo(a)pyrene
Concen: 7.063 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	11.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.884 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.9	26.9#
138	23.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 10/3/2018 9:31:01 AM

