

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
 Data File : BF110318.D
 Acq On : 30 Oct 2018 22:06
 Operator : JU/SJ
 Sample : J5711-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4

Manual Integrations
 APPROVED

Sohil
 10/31/2018 11:15:07 AM

Quant Time: Oct 31 06:03:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	98754	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	396020	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	168113	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	245803	20.00	ng	0.00
76) Chrysene-d12	14.16	240	179149	20.00	ng	0.00
87) Perylene-d12	15.70	264	120401	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	602810	99.40	ng	0.00
7) Phenol-d6	6.60	99	759727	97.94	ng	0.00
23) Nitrobenzene-d5	7.53	82	460213	68.93	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	132174	79.37	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	741202	69.23	ng	0.00
79) Terphenyl-d14	13.09	244	457689	53.13	ng	0.00
Target Compounds						
10) Phenol	6.60	94	35591	4.293	ng	82
31) Naphthalene	8.27	128	53231	2.916	ng	97
37) 2-Methylnaphthalene	8.97	142	25313	2.096	ng	95
50) Dimethylphthalate	9.72	163	142215	11.460	ng	# 98
71) Phenanthrene	11.53	178	30025	2.334	ng	97
75) Fluoranthene	12.73	202	49227	3.771	ng	97
78) Pyrene	12.96	202	77164	6.008	ng	97
81) Benzo(a)anthracene	14.15	228	37124	3.494	ng	# 85
83) Chrysene	14.19	228	34877	3.456	ng	# 91
88) Benzo(b)fluoranthene	15.24	252	37664m	5.417	ng	
90) Benzo(a)pyrene	15.64	252	30358	4.745	ng	# 73
92) Benzo(a,h,i)perylene	17.76	276	15178	2.790	ng	# 76

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

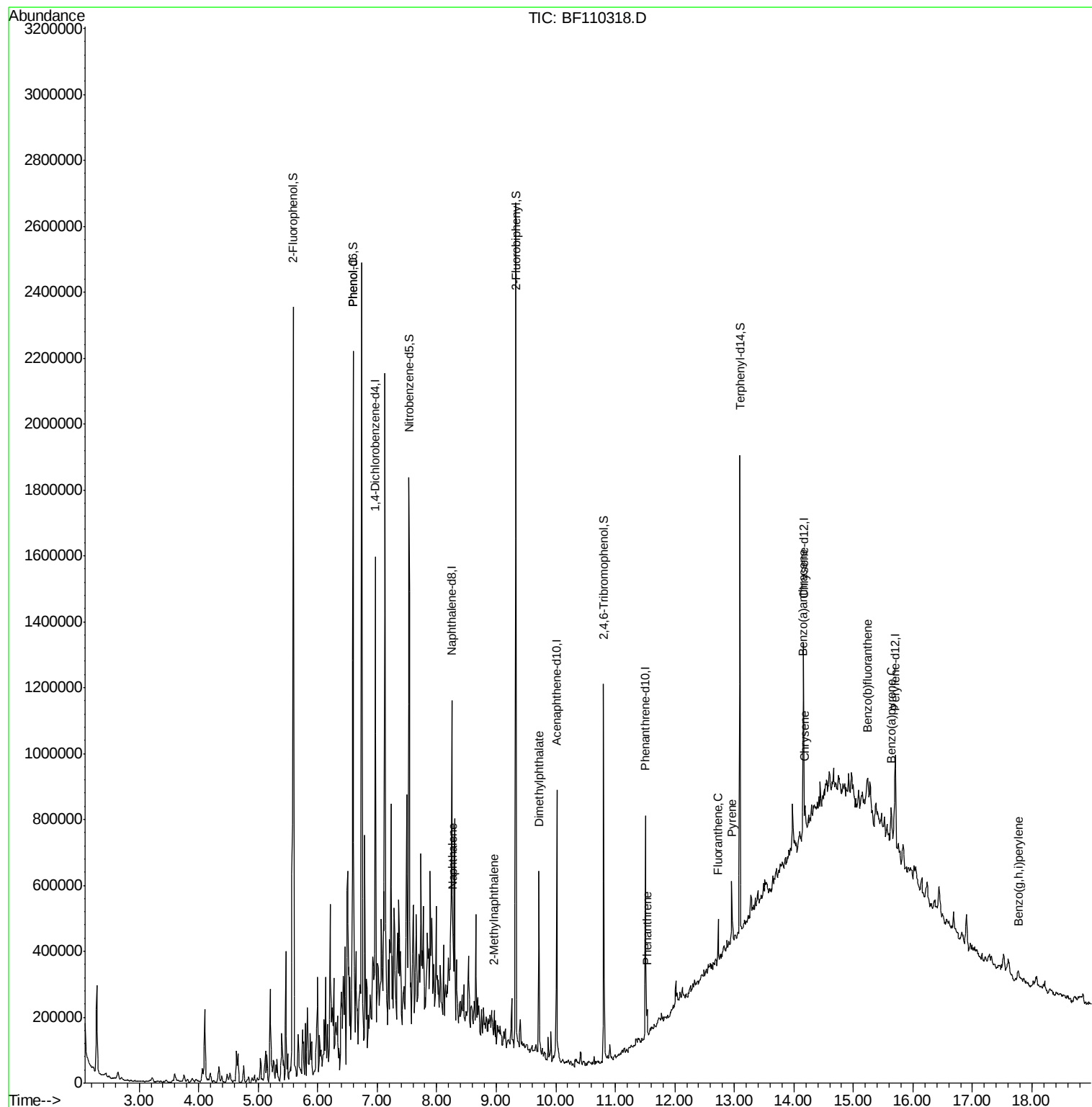
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110318.D
Acq On : 30 Oct 2018 22:06
Operator : JU/SJ
Sample : J5711-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

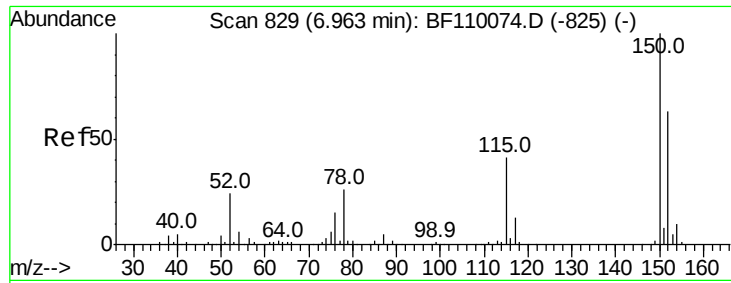
Instrument :
BNA_F
ClientSampleId :
SB-4

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:07 AM

Quant Time: Oct 31 06:03:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 2018
Response via : Initial Calibration





#1

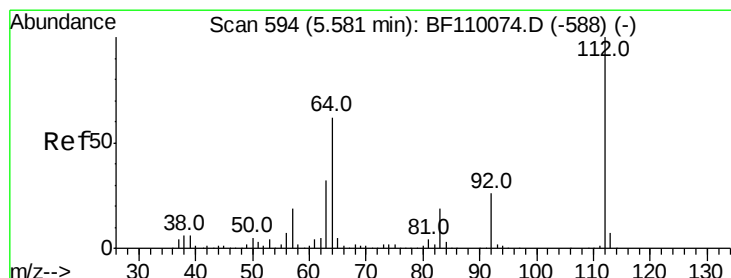
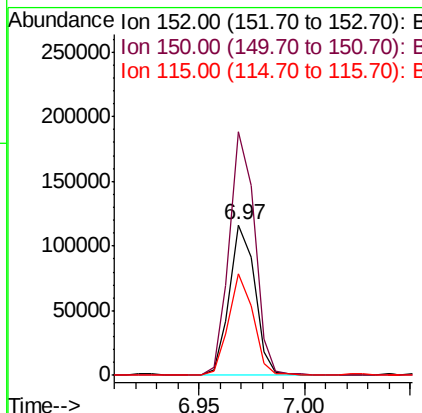
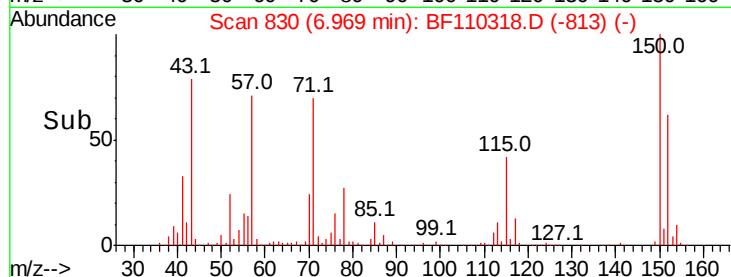
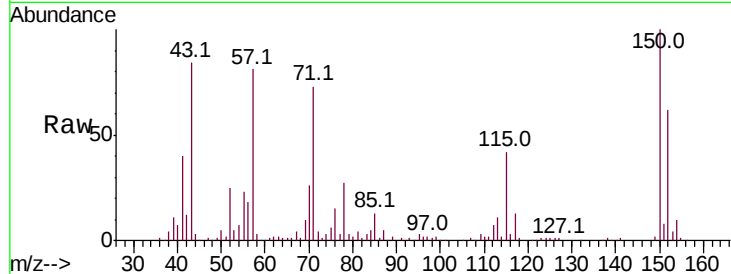
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampled :
SB-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	122.7	184.1
115	67.4	49.1	73.7

Manual Integrations
APPROVED

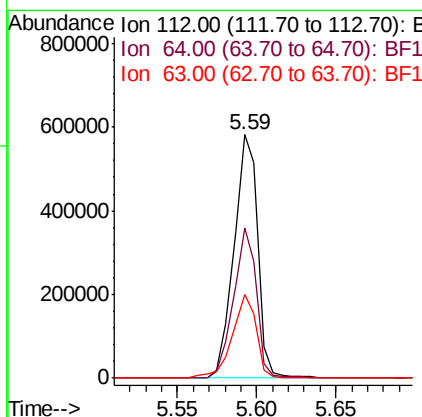
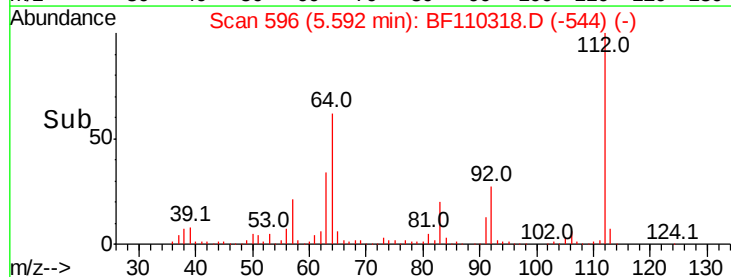
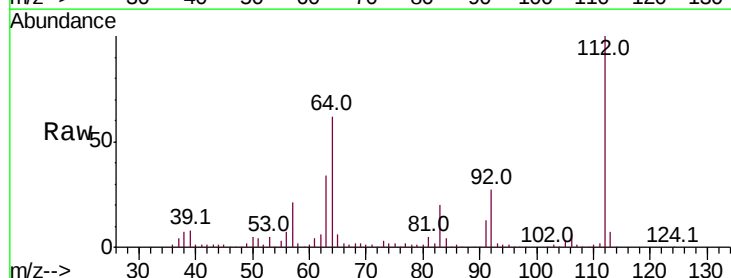
Sohil
10/31/2018 11:15:07 AM

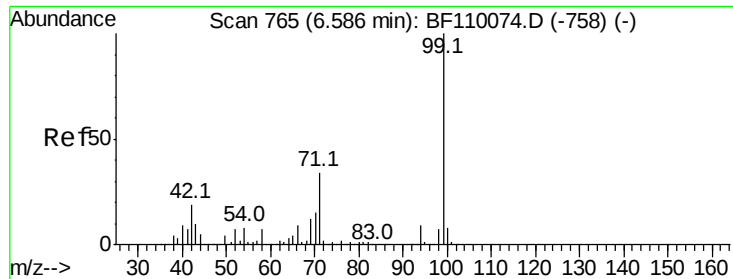


#5

2-Fluorophenol
Concen: 99.403 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	44.1	66.1
63	34.2	23.7	35.5





#7

Phenol-d6

Concen: 97.945 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Instrument :

BNA_F

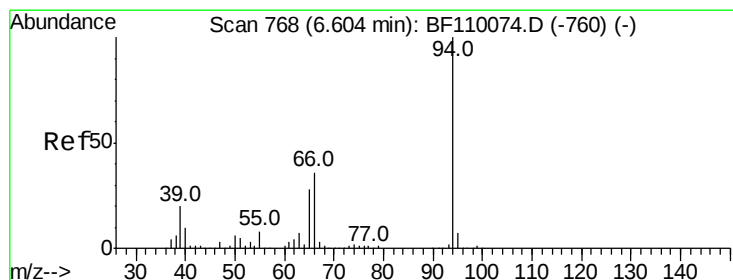
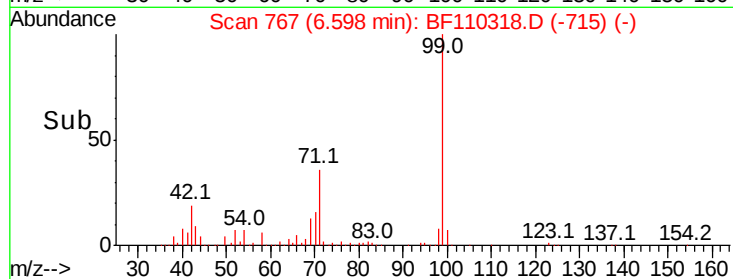
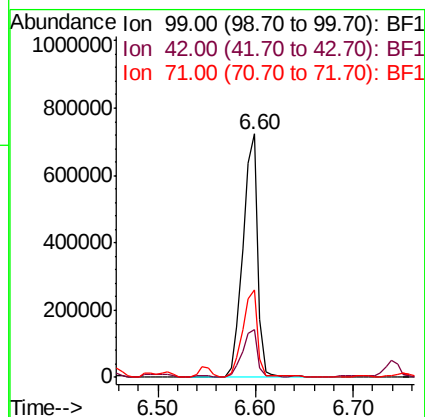
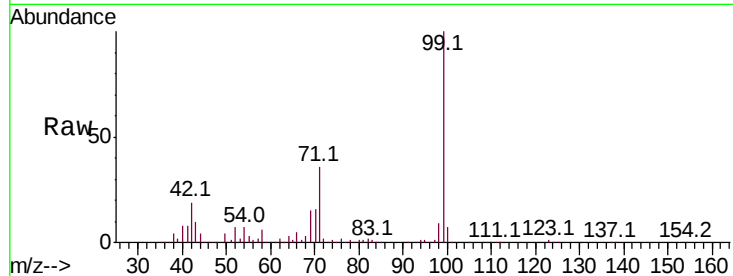
ClientSampled :

SB-4

Tot Ion:	99	Resp:	759727
Ion Ratio	Lower	Upper	
99	100		
42	19.5	15.8	23.6
71	36.0	28.0	42.0

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:07 AM



#10

Phenol

Concen: 4.293 ng

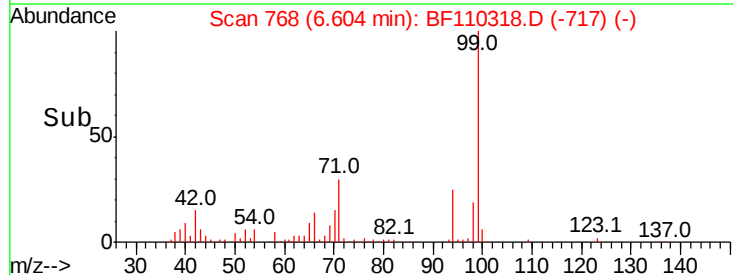
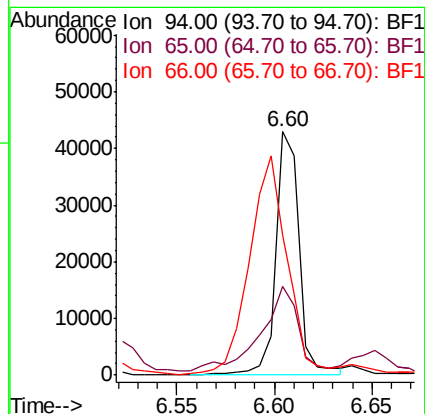
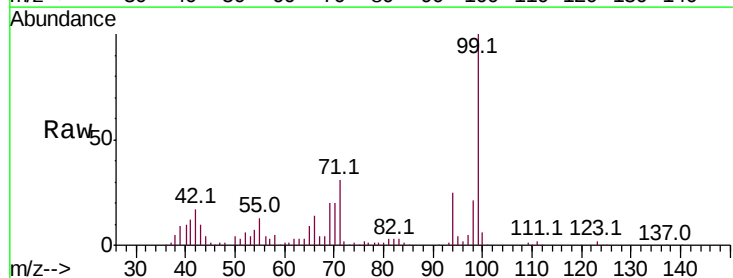
RT: 6.60 min Scan# 768

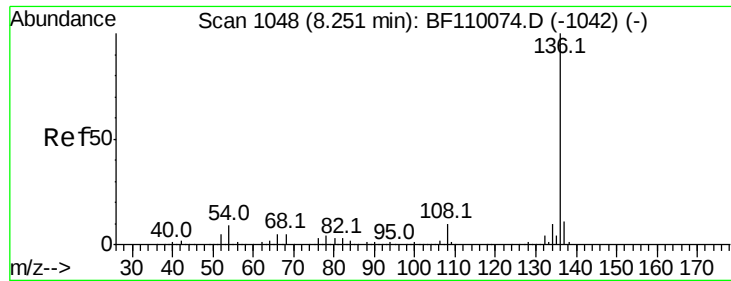
Delta R.T. 0.00 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Tgt Ion:	94	Resp:	35591
Ion Ratio	Lower	Upper	
94	100		
65	36.3	25.3	65.3
66	57.5	54.5	94.5





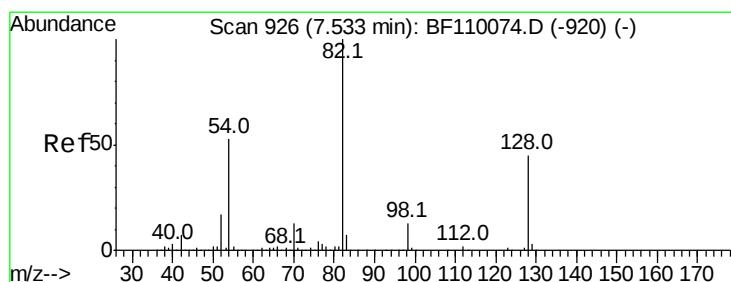
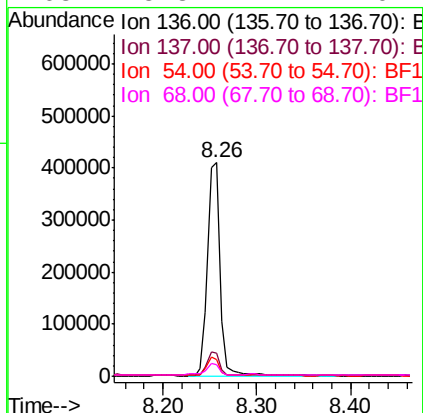
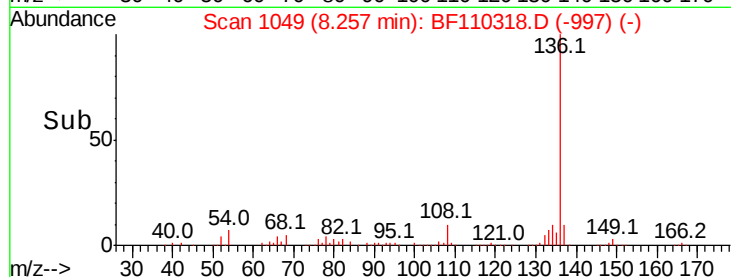
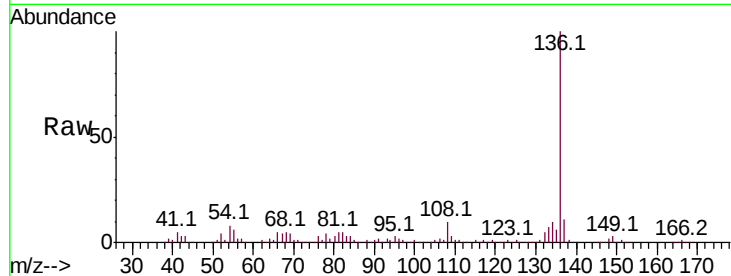
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampleId :
SB-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.8	13.2	
54	7.7	5.4	8.2	
68	5.3	4.2	6.2	

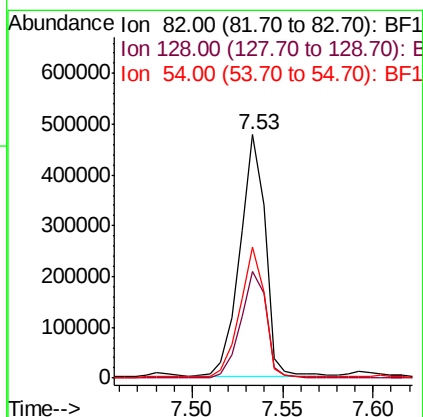
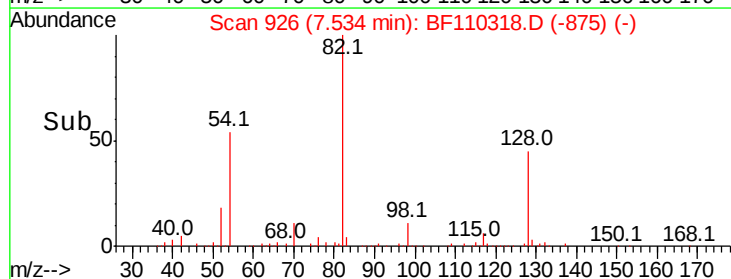
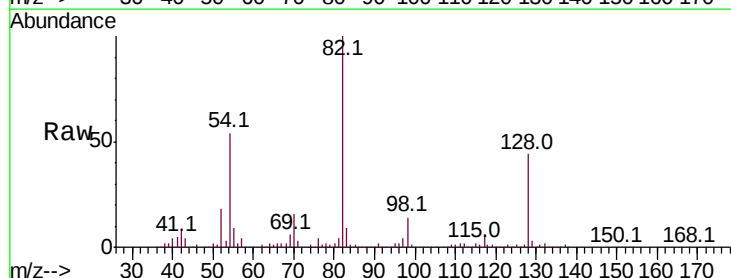
Manual Integrations
APPROVED

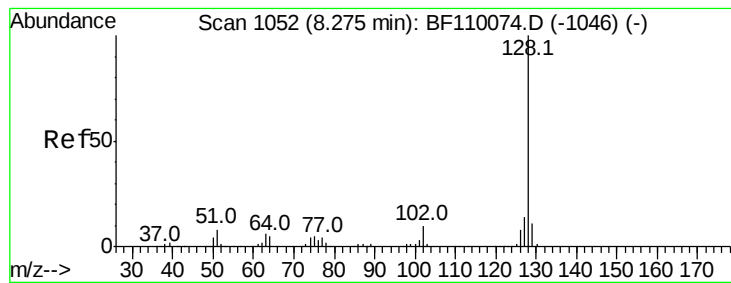
Sohil
10/31/2018 11:15:07 AM



#23
Nitrobenzene-d5
Concen: 68.928 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.0	34.2	51.2	
54	54.0	38.6	58.0	





#31

Naphthalene

Concen: 2.916 ng

RT: 8.27 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Instrument :

BNA_F

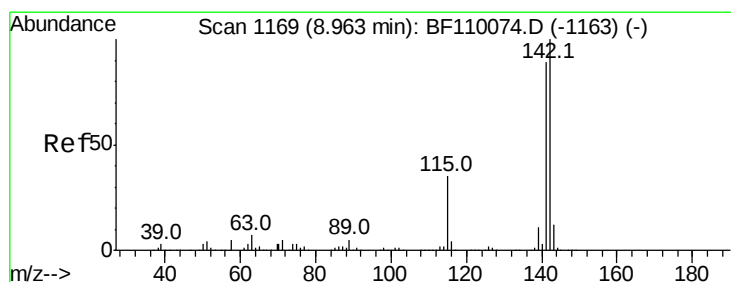
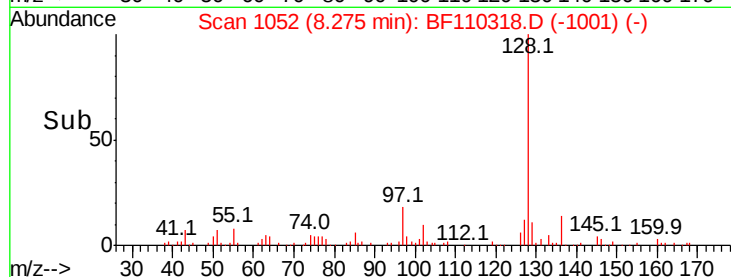
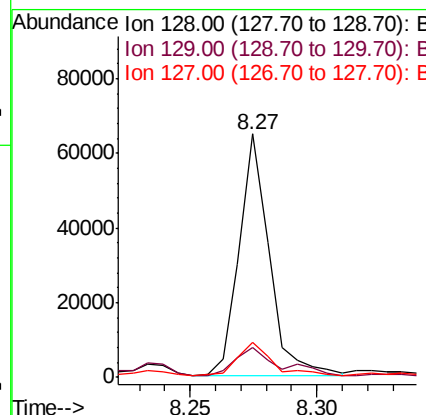
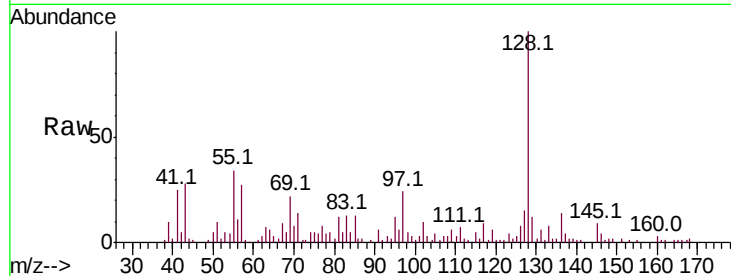
ClientSampleId :

SB-4

Tot Ion:	128	Resp:	53231
Ion Ratio	Lower	Upper	
128	100		
129	12.3	8.8	13.2
127	14.5	10.8	16.2

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:07 AM



#37

2-Methylnaphthalene

Concen: 2.096 ng

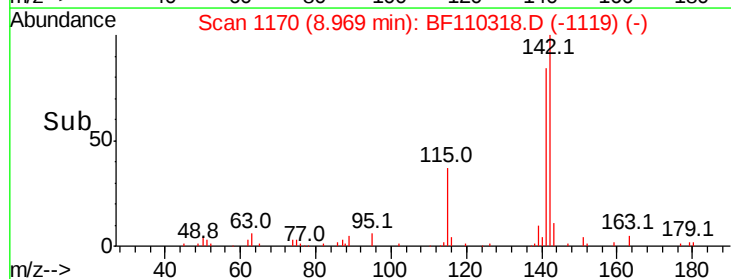
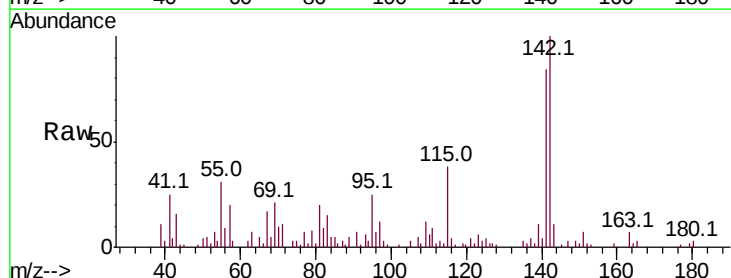
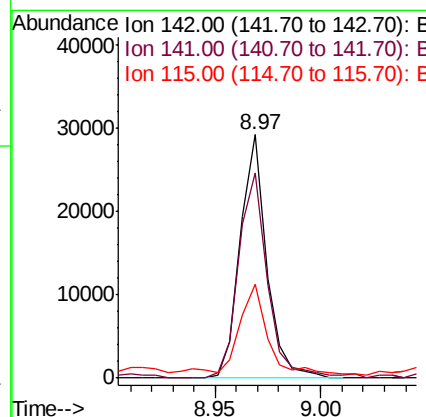
RT: 8.97 min Scan# 1170

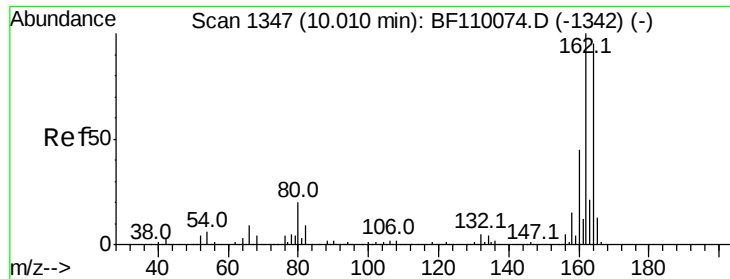
Delta R.T. 0.00 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Tgt Ion:	142	Resp:	25313
Ion Ratio	Lower	Upper	
142	100		
141	84.1	71.4	107.2
115	38.3	28.7	43.1





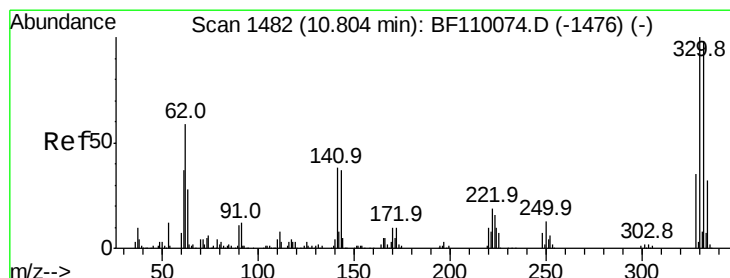
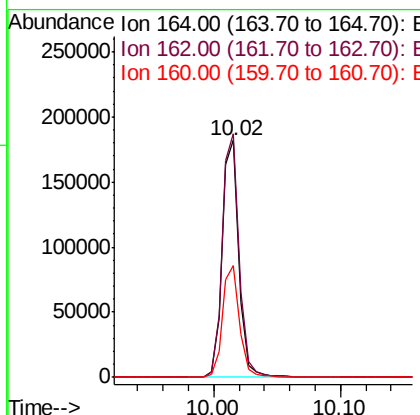
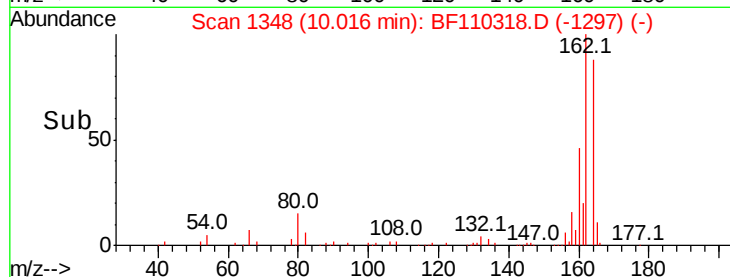
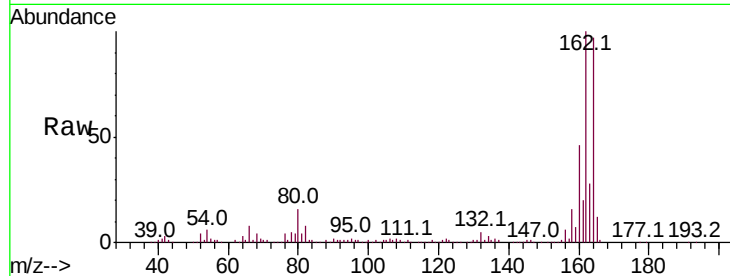
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampled :
SB-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	83.0	124.6
160	47.0	37.0	55.6

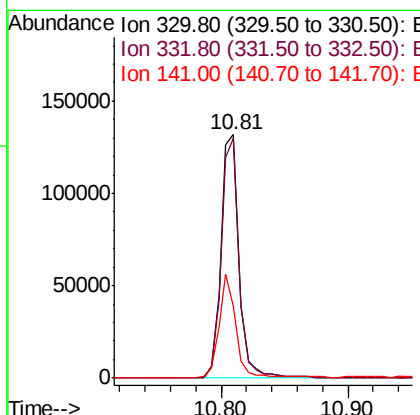
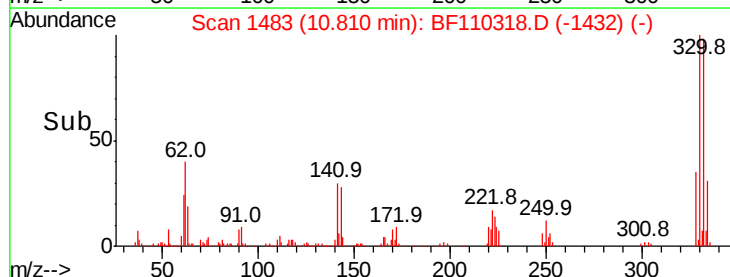
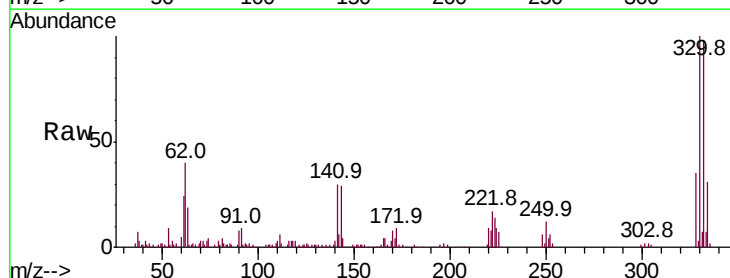
Manual Integrations
APPROVED

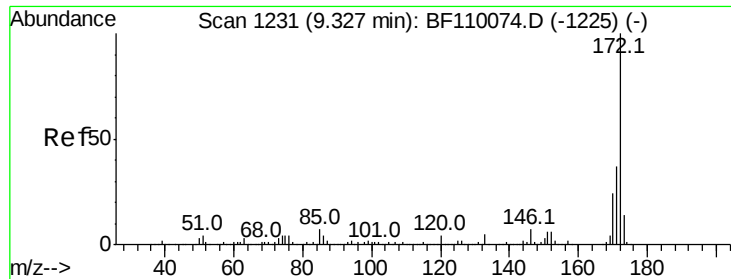
Sohil
10/31/2018 11:15:07 AM



#42
2,4,6-Tribromophenol
Concen: 79.371 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	41.0	27.0	40.4#





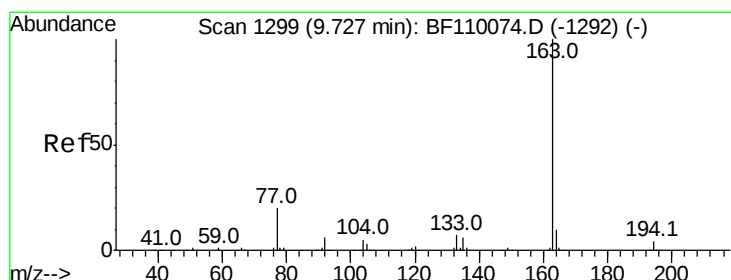
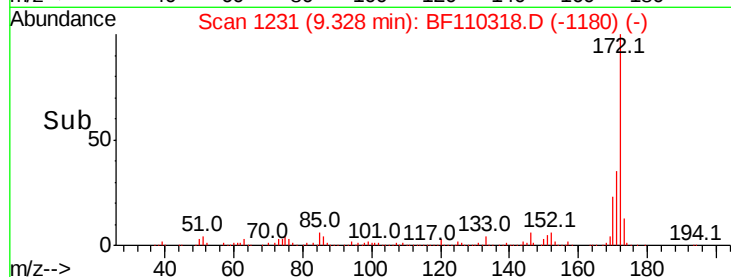
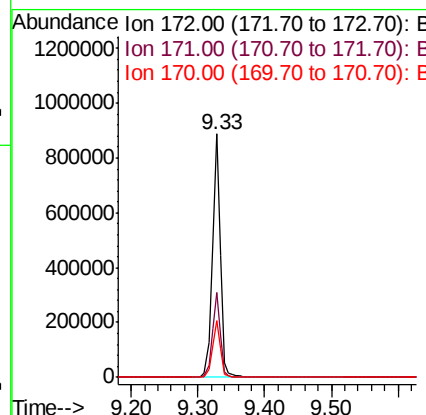
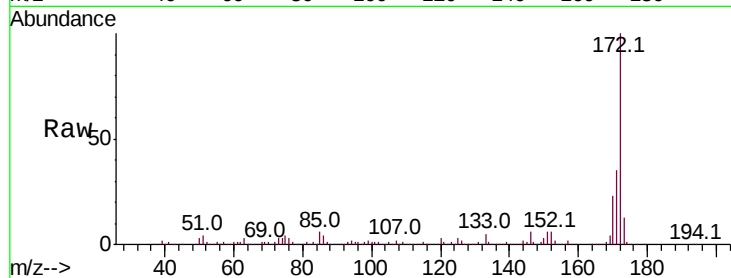
#45
2-Fluorobiphenyl
Concen: 69.232 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampled :
SB-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.1	19.7	29.5

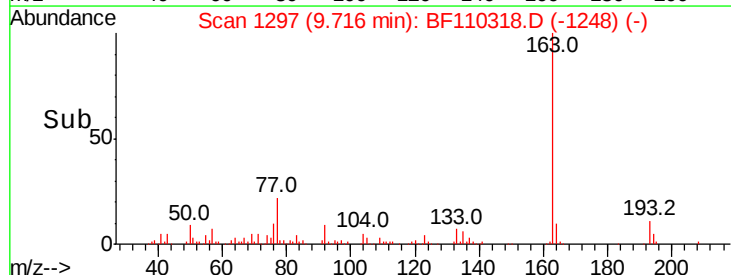
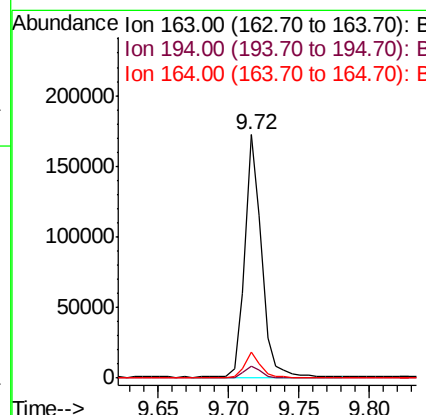
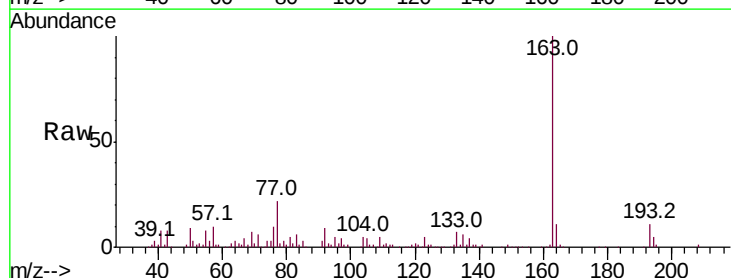
Manual Integrations
APPROVED

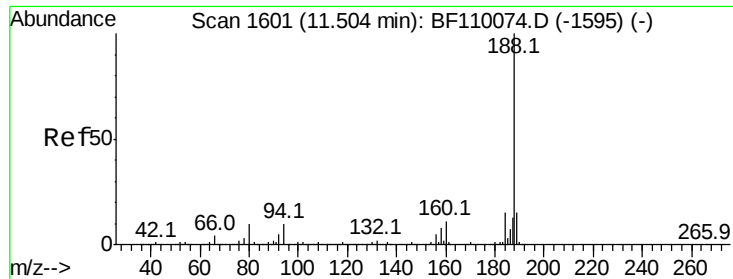
Sohil
10/31/2018 11:15:07 AM



#50
Dimethylphthalate
Concen: 11.460 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.2	4.8#
164	10.5	8.1	12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Instrument :

BNA_F

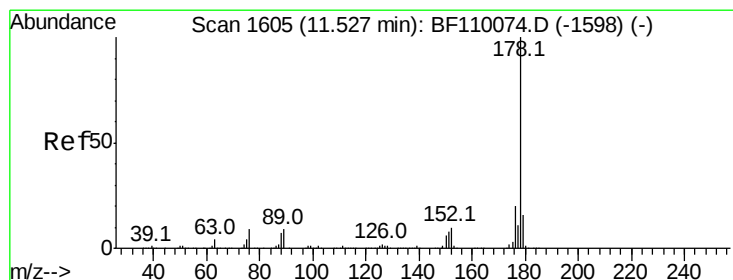
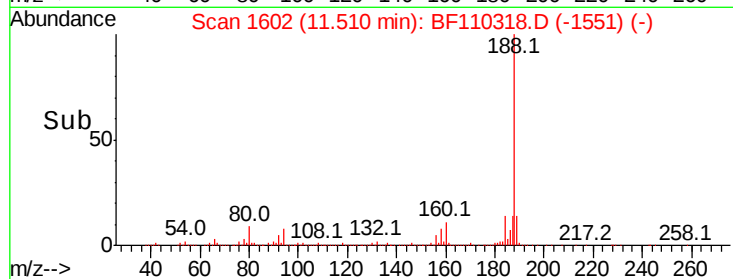
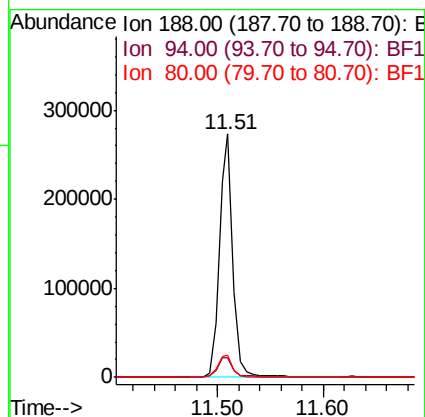
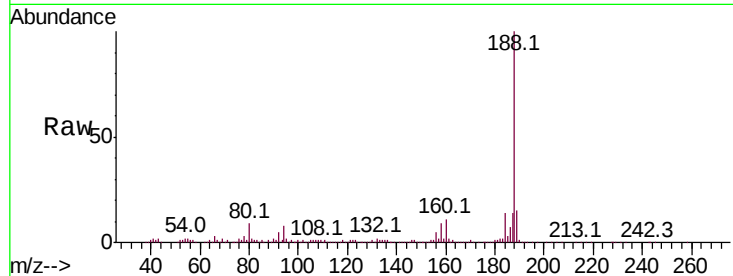
ClientSampled :

SB-4

Tot Ion:	188	Resp:	245803
Ion Ratio	Lower	Upper	
188	100		
94	8.3	7.2	10.8
80	9.2	7.9	11.9

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:07 AM



#71

Phenanthrene

Concen: 2.334 ng

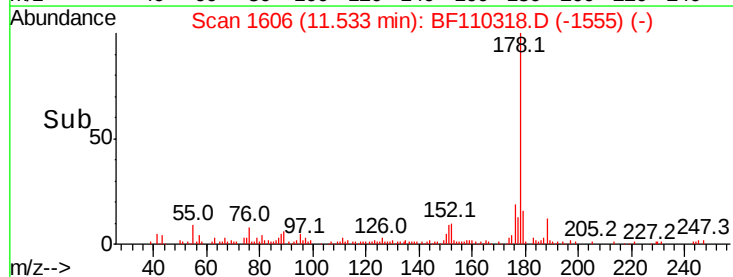
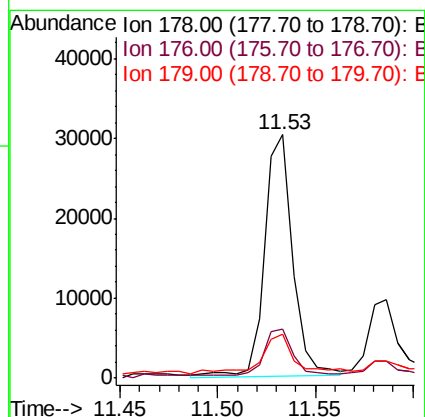
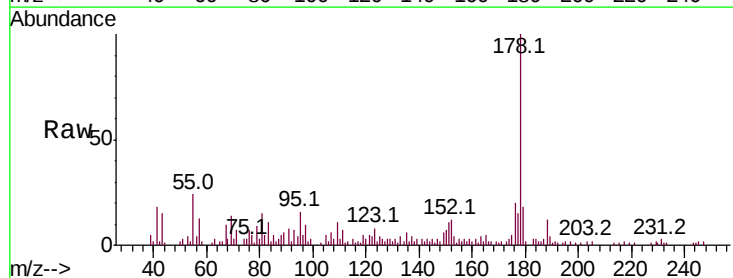
RT: 11.53 min Scan# 1606

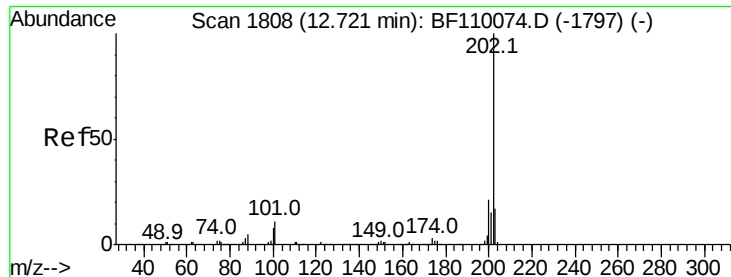
Delta R.T. 0.00 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Tgt Ion:	178	Resp:	30025
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.5	23.3
179	18.0	12.5	18.7





#75

Fluoranthene

Concen: 3.771 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.00 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Instrument :

BNA_F

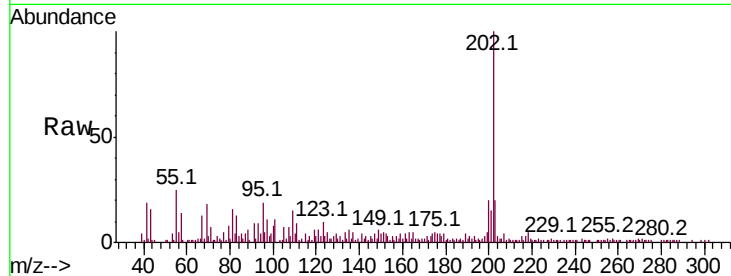
ClientSampled :

SB-4

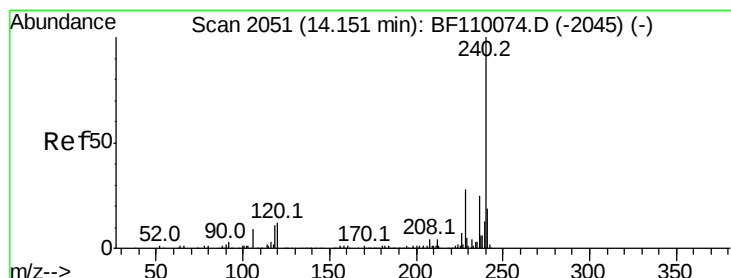
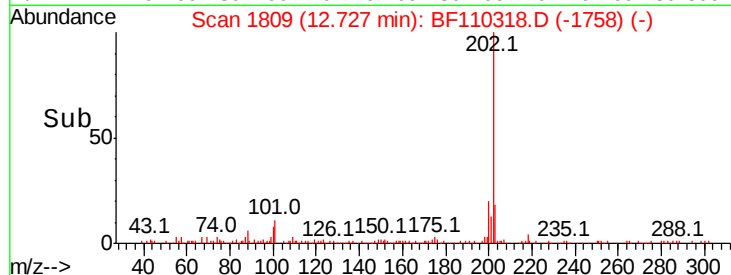
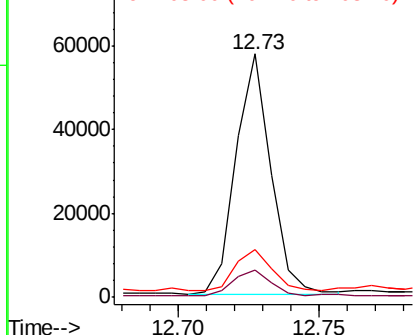
Tot Ion:	202	Resp:	49227
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	31.4
203	19.6	0.0	37.7

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:07 AM



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

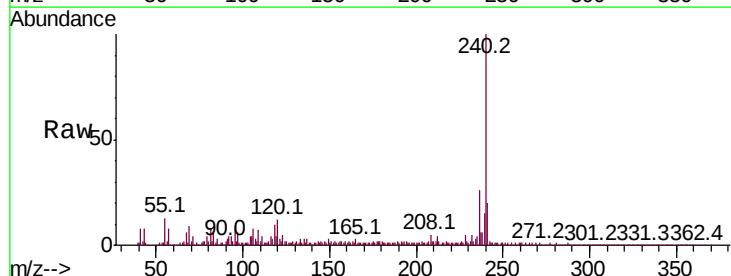
RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

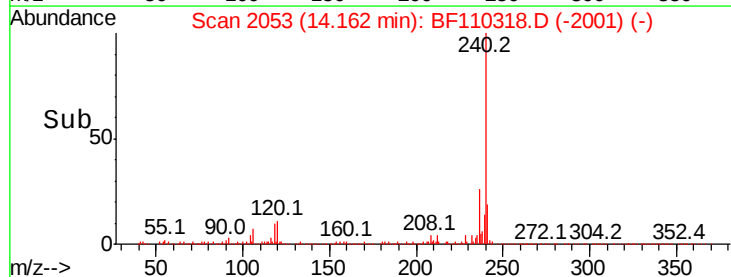
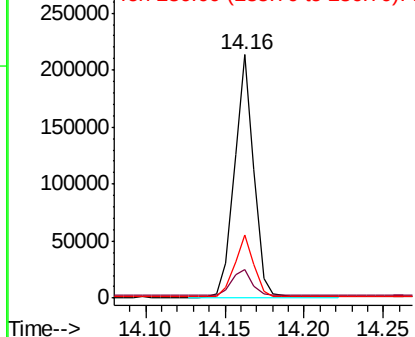
Lab File: BF110318.D

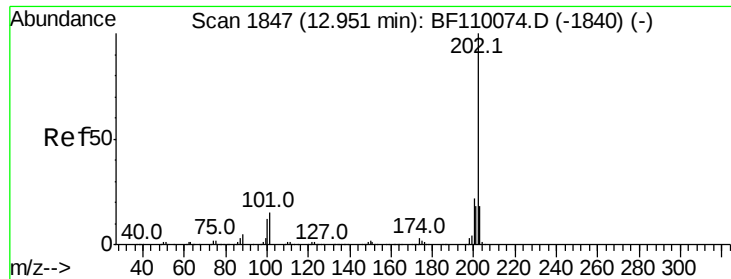
Acq: 30 Oct 2018 22:06

Tgt Ion:	240	Resp:	179149
Ion Ratio	Lower	Upper	
240	100		
120	11.7	8.3	12.5
236	25.9	21.2	31.8



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





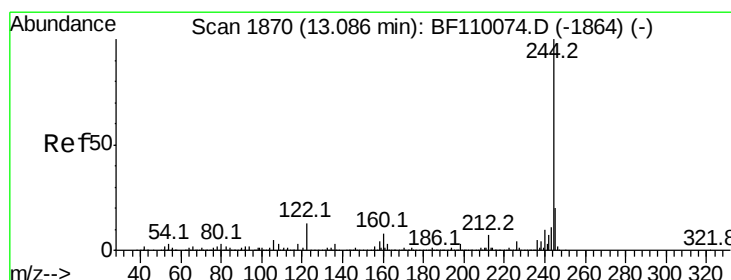
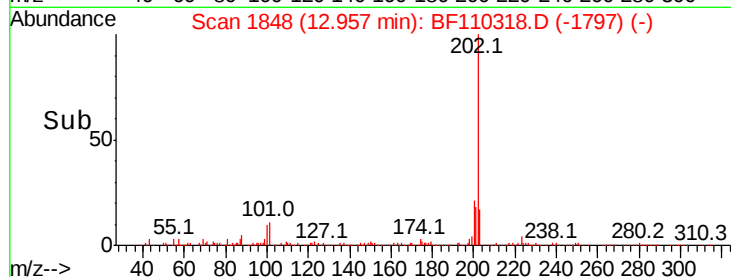
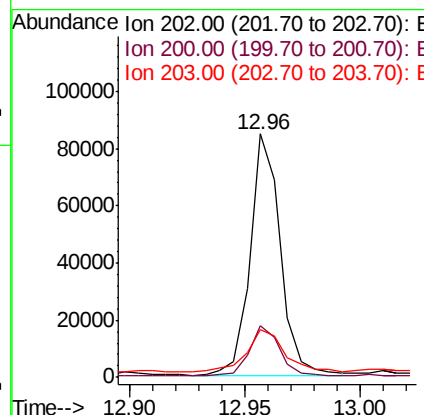
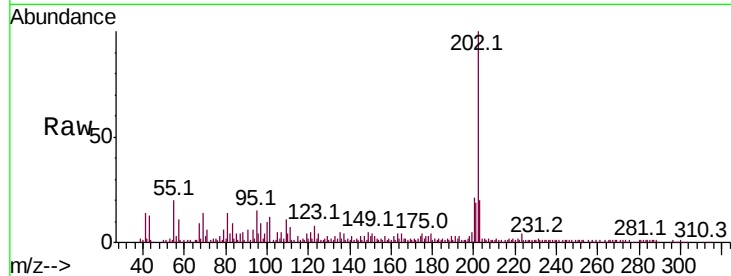
#78
Pvrene
Concen: 6.008 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampled :
SB-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	19.8	14.2	21.4

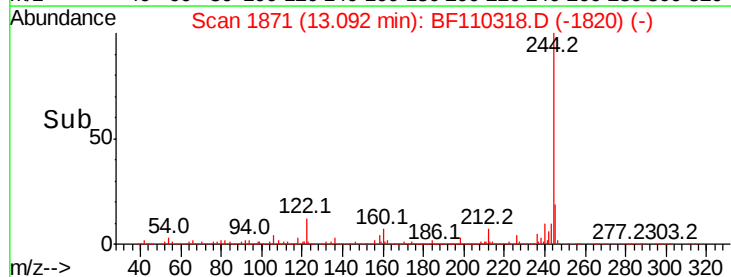
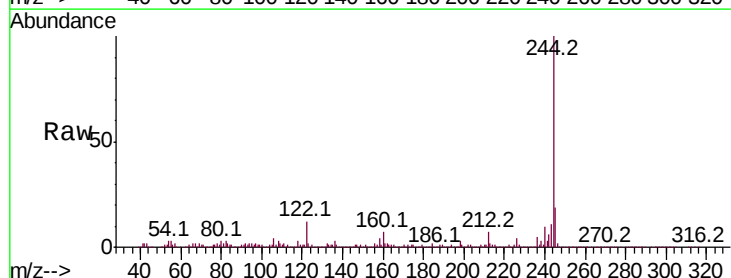
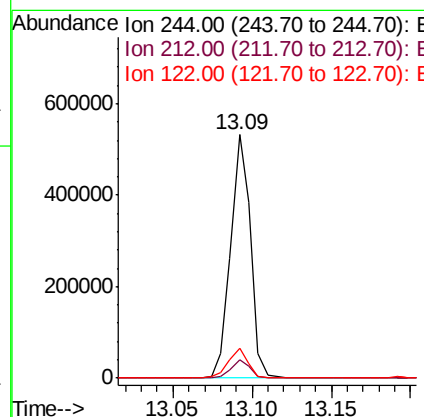
Manual Integrations
APPROVED

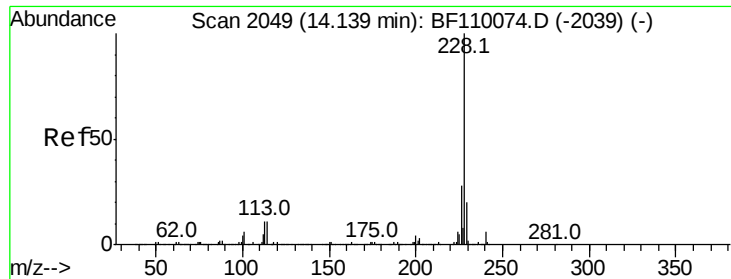
Sohil
10/31/2018 11:15:07 AM



#79
Terphenyl-d14
Concen: 53.132 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	12.4	8.7	13.1





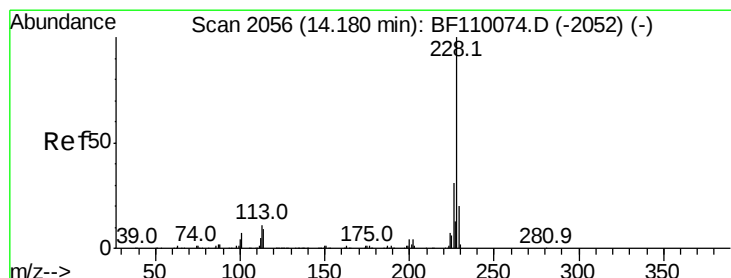
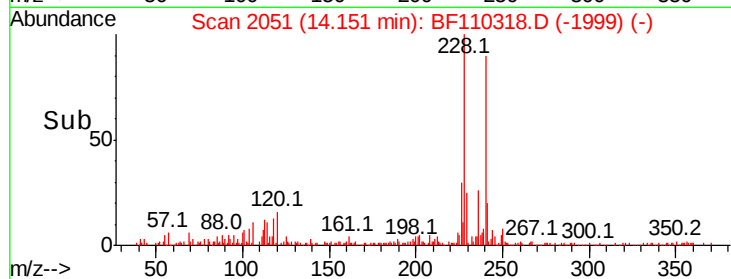
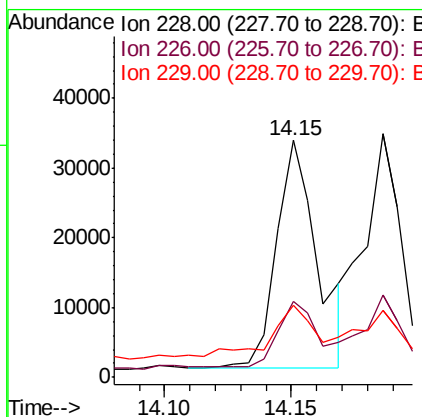
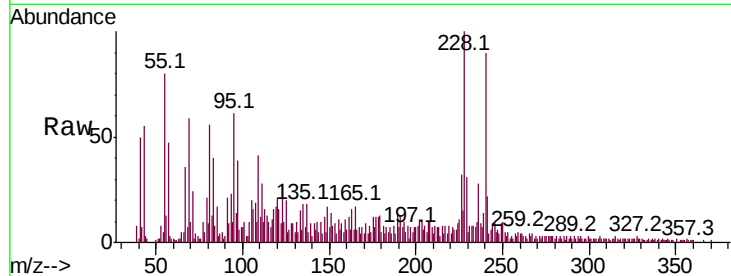
#81
Benzo(a)anthracene
Concen: 3.494 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampled :
SB-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.1	33.1
229	30.6	15.6	23.4

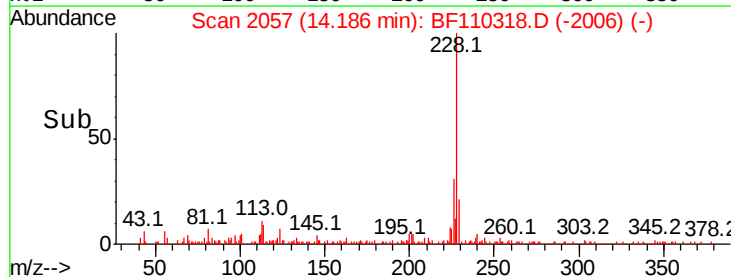
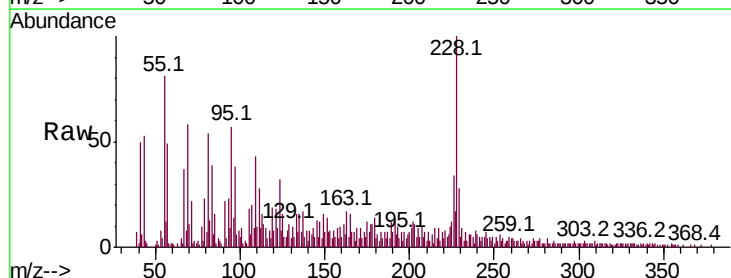
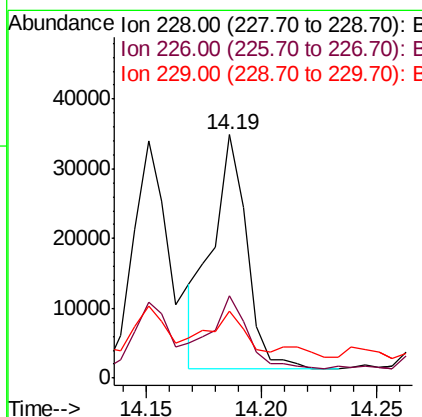
Manual Integrations
APPROVED

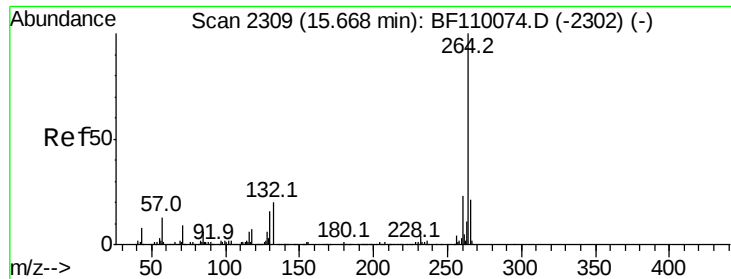
Sohil
10/31/2018 11:15:07 AM



#83
Chrysene
Concen: 3.456 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.6	24.7	37.1
229	27.5	15.9	23.9





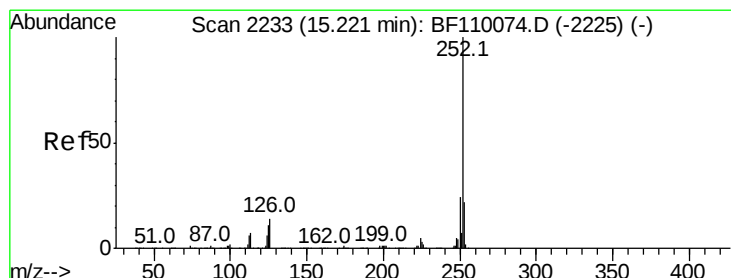
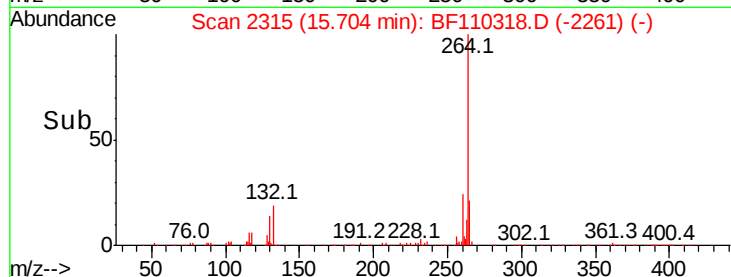
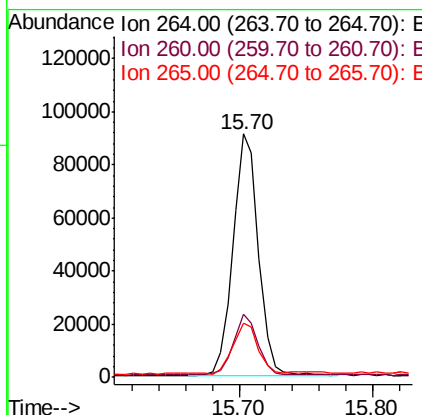
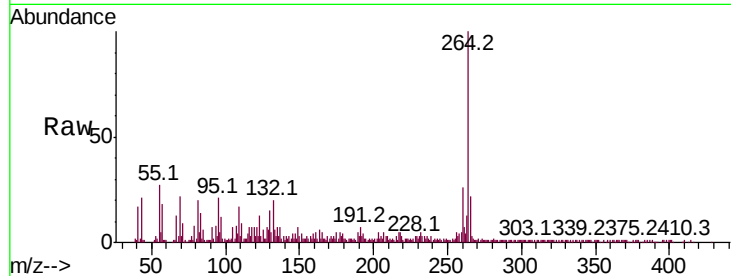
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampleId :
SB-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	18.7	28.1
265	22.4	16.7	25.1

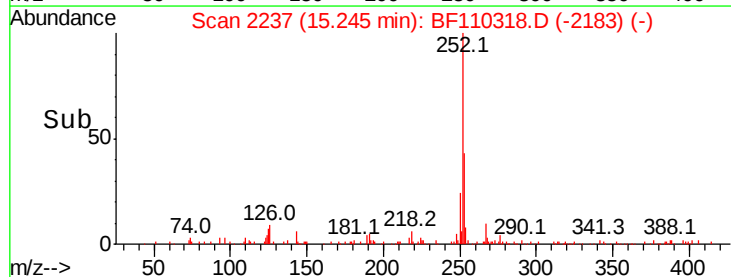
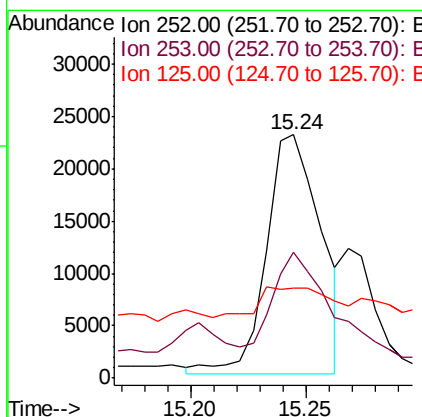
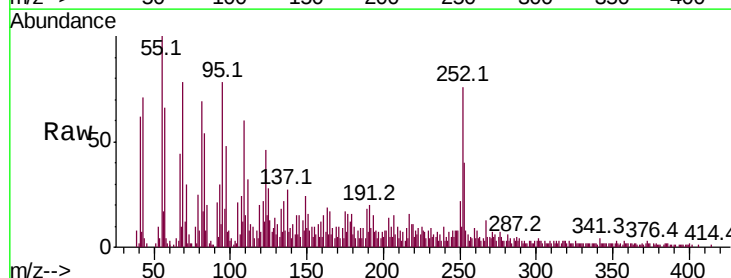
Manual Integrations
APPROVED

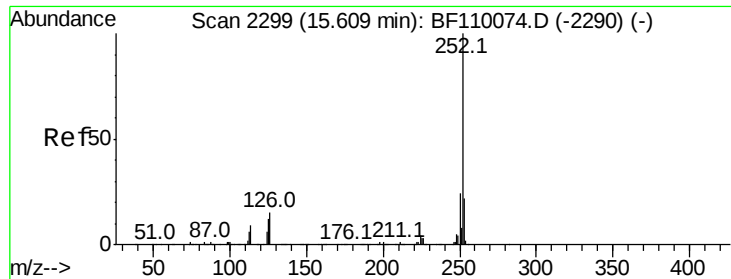
Sohil
10/31/2018 11:15:07 AM



#88
Benzo(b)fluoranthene
Concen: 5.417 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.02 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	51.9	17.2	25.8#
125	36.7	8.2	12.4#





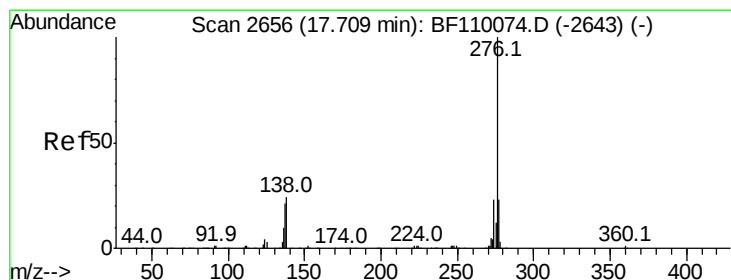
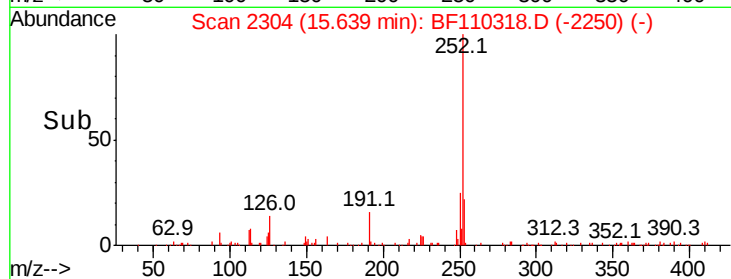
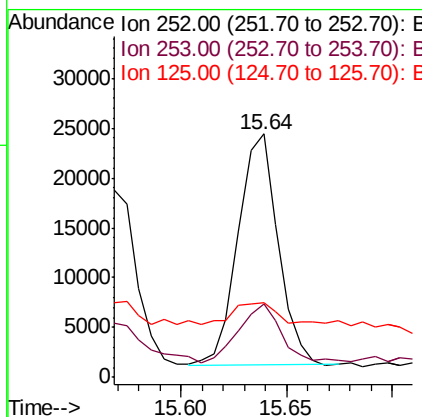
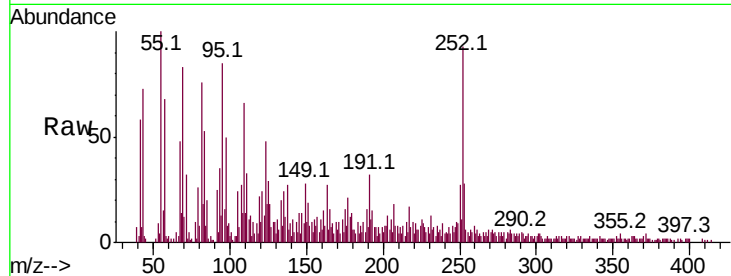
#90
Benzo(a)pyrene
Concen: 4.745 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampled :
SB-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.0	18.2	27.4#
125	30.7	9.0	13.6#

Manual Integrations
APPROVED

Sohil
10/31/2018 11:15:07 AM



#92
Benzo(g,h,i)perylene
Concen: 2.790 ng
RT: 17.76 min Scan# 2665
Delta R.T. 0.02 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.3	18.8	28.2#
138	36.0	16.0	24.0#

