

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
 Data File : BF109929.D
 Acq On : 17 Oct 2018 19:27
 Operator : JU/SJ
 Sample : J5521-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP-01

Manual Integrations
 APPROVED

Sohil
 10/18/2018 2:04:26 PM

Quant Time: Oct 18 12:17:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	199322	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	354109	20.00	ng	0.01
39) Acenaphthene-d10	10.07	164	165112	20.00	ng	0.05
64) Phenanthrene-d10	11.56	188	293022	20.00	ng	0.05
76) Chrysene-d12	14.16	240	571895	20.00	ng	0.00
87) Perylene-d12	15.69	264	602243	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	681338	54.18	ng	-0.01
7) Phenol-d6	6.59	99	547198	35.04	ng	-0.02
23) Nitrobenzene-d5	7.55	82	926114	176.18	ng	0.00
42) 2,4,6-Tribromophenol	10.87	330	172447	120.63	ng	0.06
45) 2-Fluorobiphenyl	9.37	172	814569	78.72	ng	0.04
79) Terphenyl-d14	13.12	244	1240581	45.55	ng	0.01
Target Compounds						
10) Phenol	6.60	94	180002	10.677	ng	Qvalue # 64
27) 2,4-Dimethylphenol	7.93	122	86990m	17.485	ng	
37) 2-Methylnaphthalene	9.02	142	1519794	144.540	ng	96
38) 1-Methylnaphthalene	9.12	142	2086059	204.742	ng	# 99
52) Acenaphthene	10.11	154	342216	34.147	ng	# 43
55) Dibenzofuran	10.28	168	366201m	25.621	ng	
58) Fluorene	10.63	166	725531	69.733	ng	# 86
71) Phenanthrene	11.60	178	2515935	165.850	ng	# 92
72) Anthracene	11.64	178	241417	15.829	ng	# 25
75) Fluoranthene	12.76	202	293809	19.388	ng	89
78) Pyrene	12.99	202	472099	11.239	ng	# 90
81) Benzo(a)anthracene	14.15	228	131685	3.909	ng	# 90
83) Chrysene	14.19	228	128572m	4.010	ng	
86) Indeno(1,2,3-cd)pyrene	17.24	276	69069	2.675	ng	96
88) Benzo(b)fluoranthene	15.23	252	140787m	4.055	ng	
90) Benzo(a)pyrene	15.62	252	108267	3.390	ng	# 95
92) Benzo(a,h,i)perylene	17.71	276	62602	2.189	ng	# 91

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

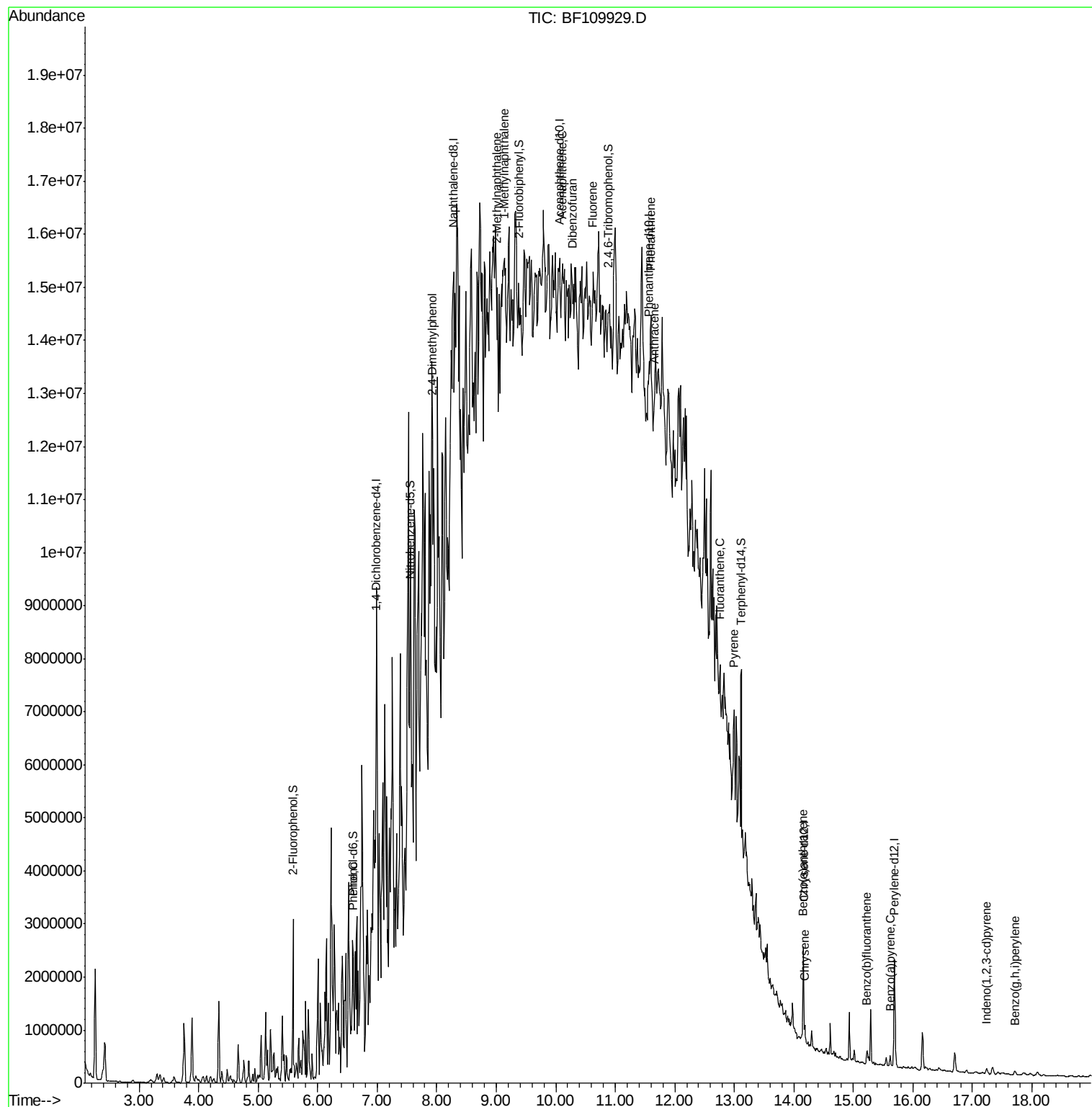
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109929.D
Acq On : 17 Oct 2018 19:27
Operator : JU/SJ
Sample : J5521-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

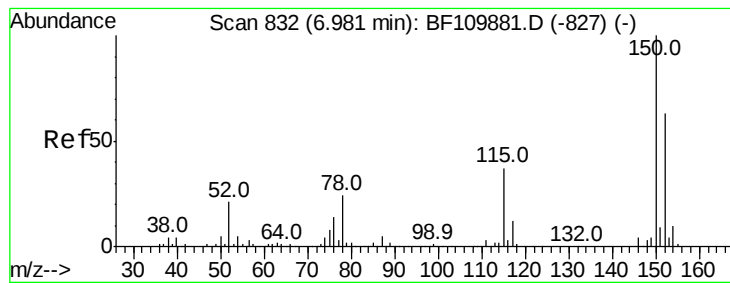
Instrument :
BNA_F
ClientSampled :
TWP-01

Manual Integrations
APPROVED

Sohil
10/18/2018 2:04:26 PM

Quant Time: Oct 18 12:17:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration





#1

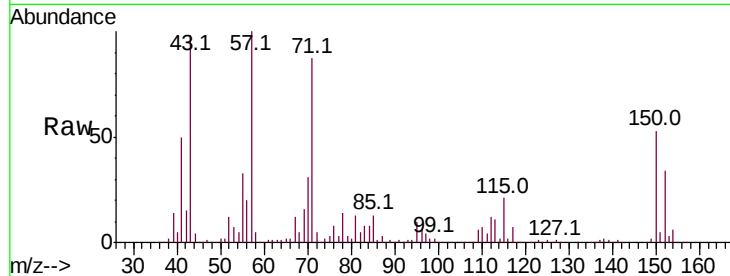
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampleId :
TWP-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	122.7	184.1
115	61.3	49.1	73.7

Manual Integrations
APPROVED

Sohil
10/18/2018 2:04:26 PM

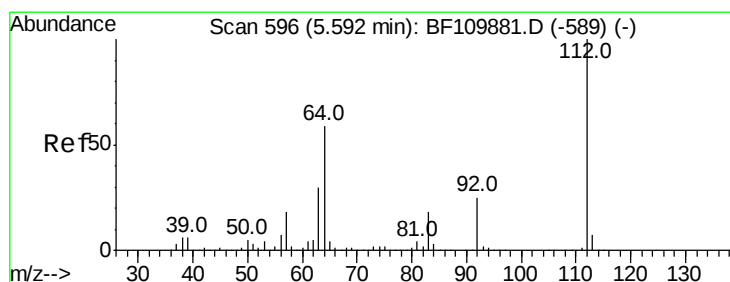
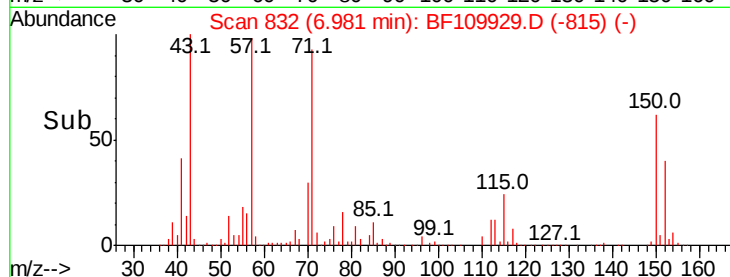
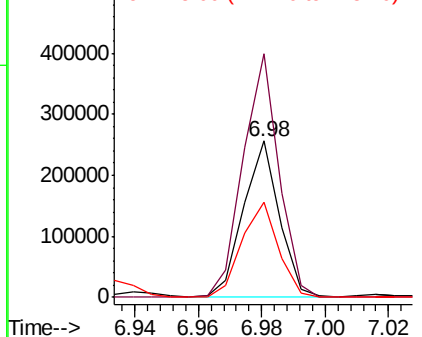


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

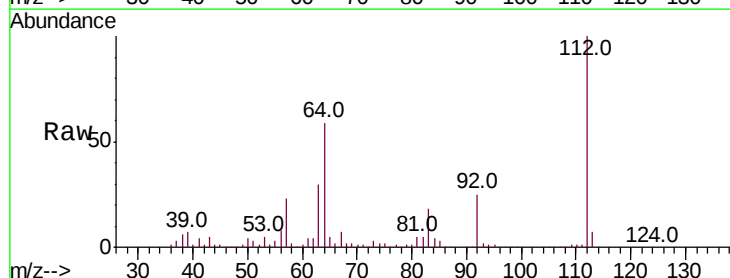
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 54.184 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	44.1	66.1
63	30.0	23.7	35.5

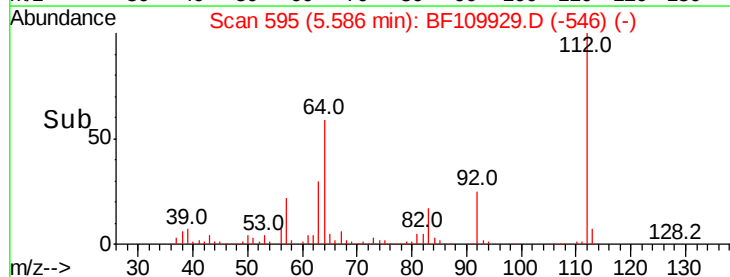
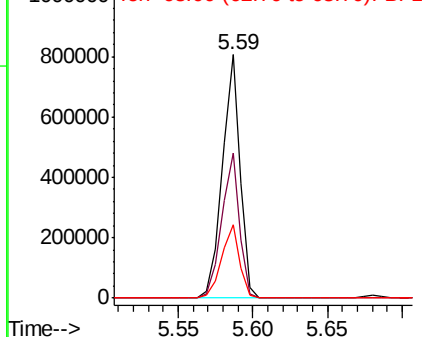


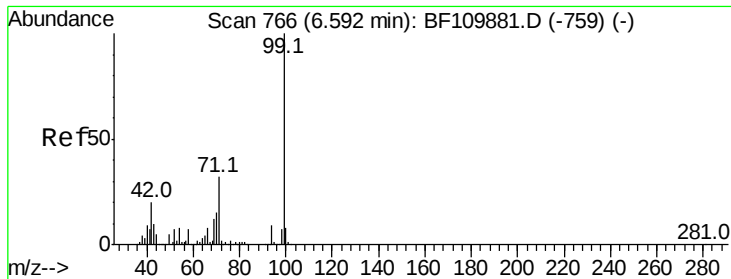
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 35.045 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

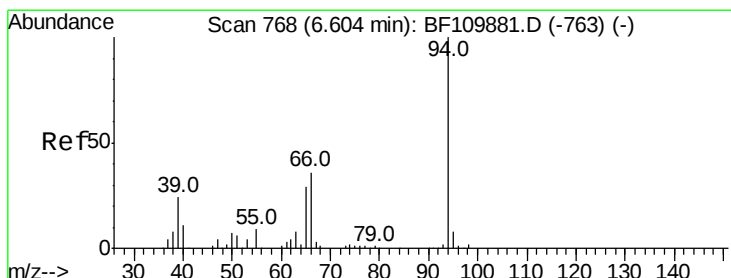
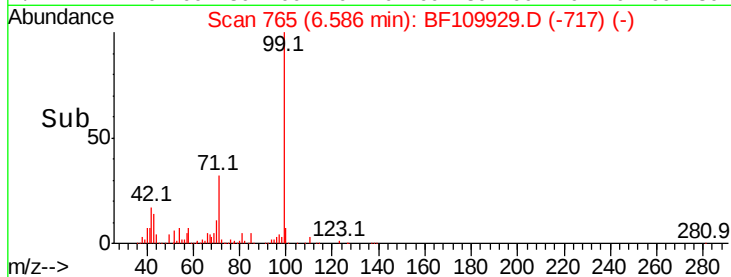
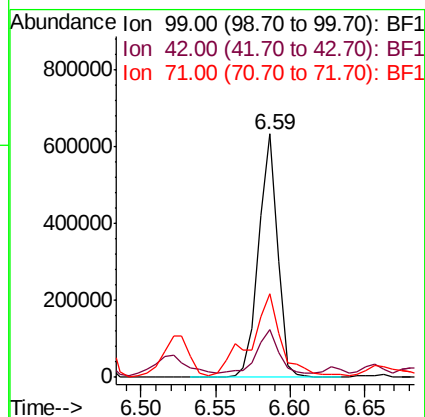
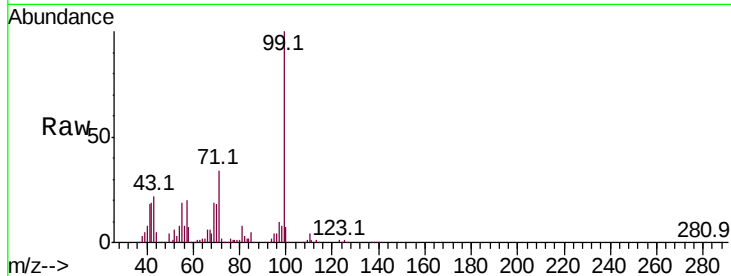
ClientSampleId :

TWP-01

Tot Ion:	99	Resp:	547198
Ion Ratio	Lower	Upper	
99	100		
42	19.5	15.8	23.6
71	34.5	28.0	42.0

Manual Integrations
APPROVED

Sohil
10/18/2018 2:04:26 PM



#10

Phenol

Concen: 10.677 ng

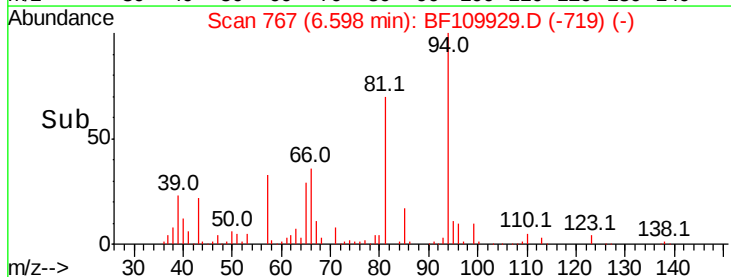
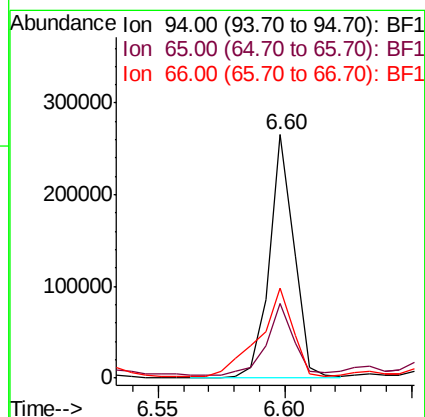
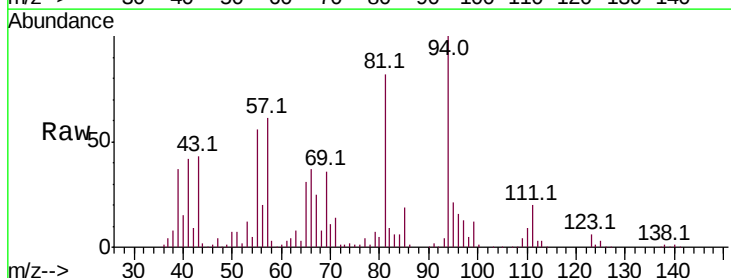
RT: 6.60 min Scan# 767

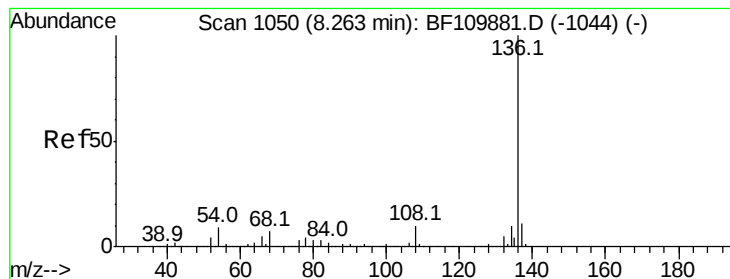
Delta R.T. -0.02 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Tgt Ion:	94	Resp:	180002
Ion Ratio	Lower	Upper	
94	100		
65	30.7	25.3	65.3
66	36.7	54.5	94.5#





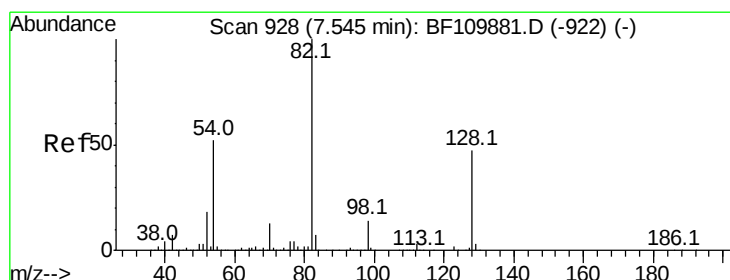
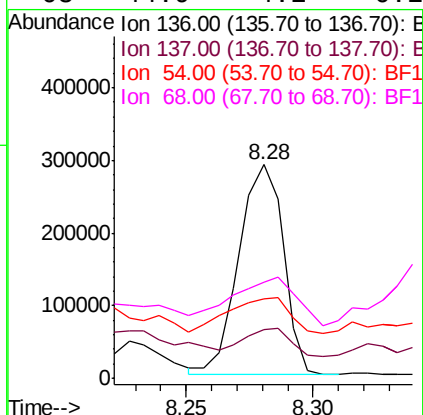
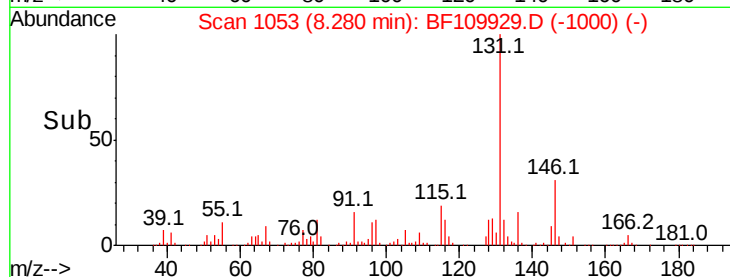
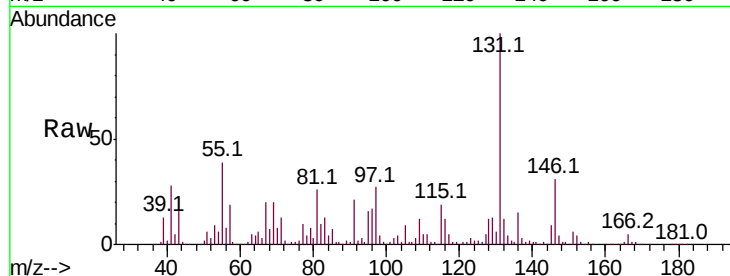
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampleId :
TWP-01

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	22.6	8.8	13.2#	
54	37.1	5.4	8.2#	
68	44.9	4.2	6.2#	

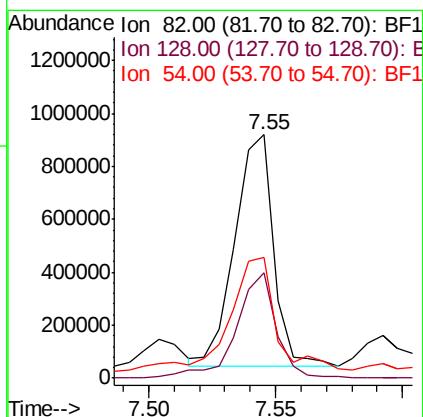
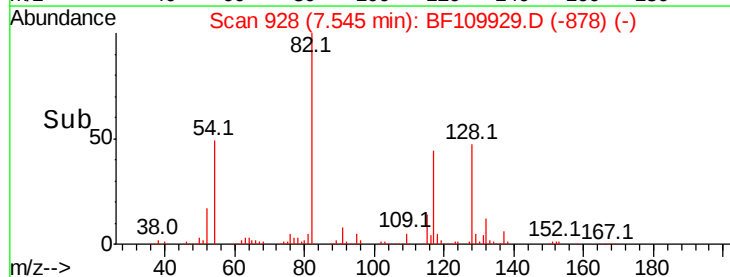
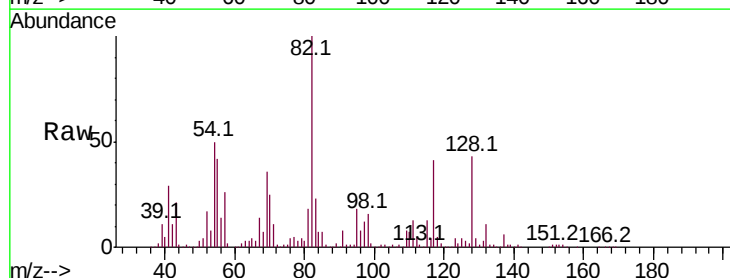
Manual Integrations
APPROVED

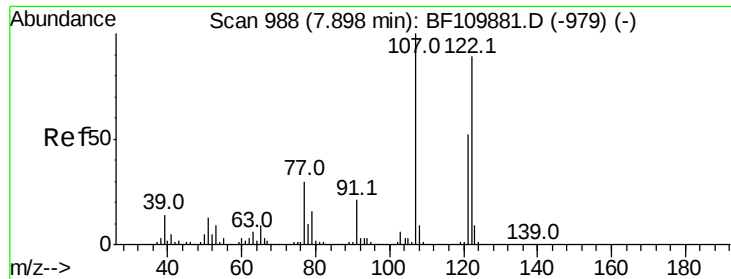
Sohil
10/18/2018 2:04:26 PM



#23
Nitrobenzene-d5
Concen: 176.179 ng
RT: 7.55 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.5	34.2	51.2	
54	49.8	38.6	58.0	





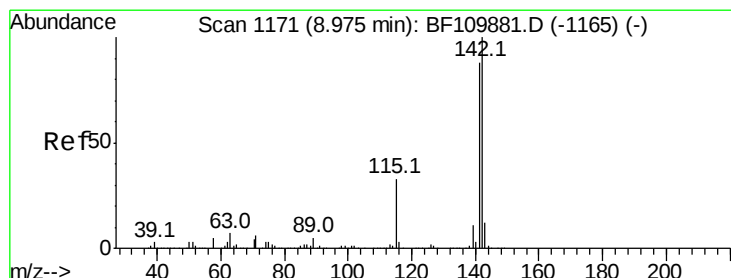
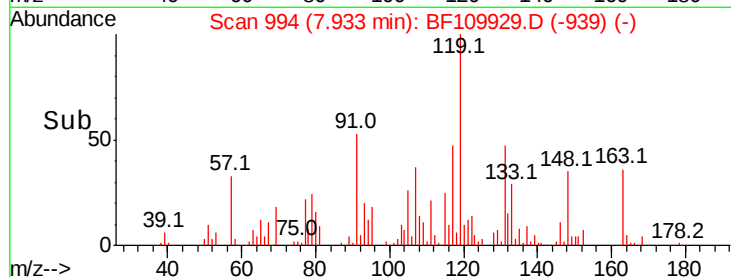
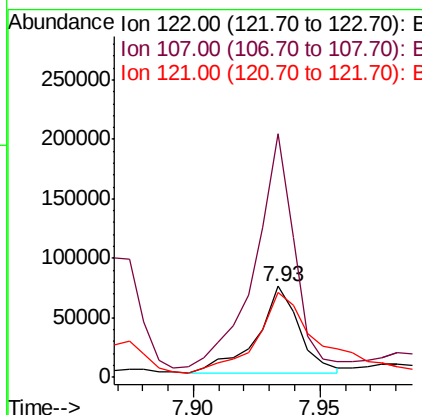
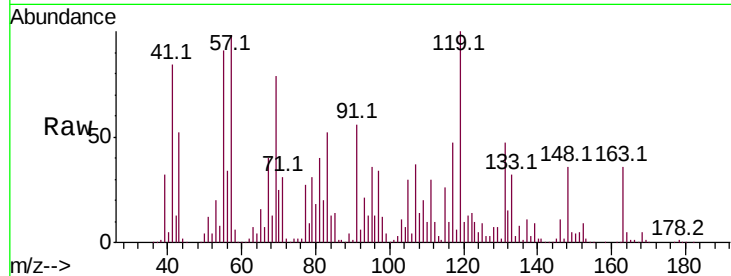
#27
2,4-Dimethylphenol
Concen: 17.485 ng/ml
RT: 7.93 min Scan# 994
Delta R.T. 0.02 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampleId :
TWP-01

Tot Ion	Ratio	Lower	Upper
122	100		
107	267.6	92.5	138.7#
121	92.9	45.8	68.8#

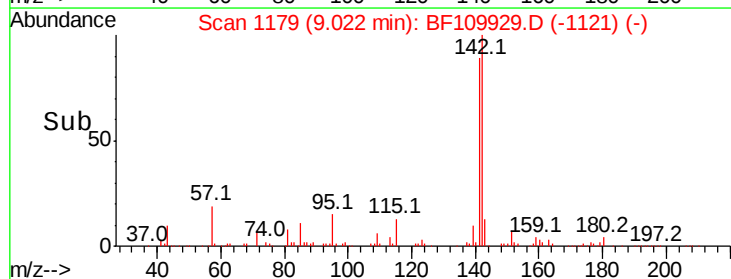
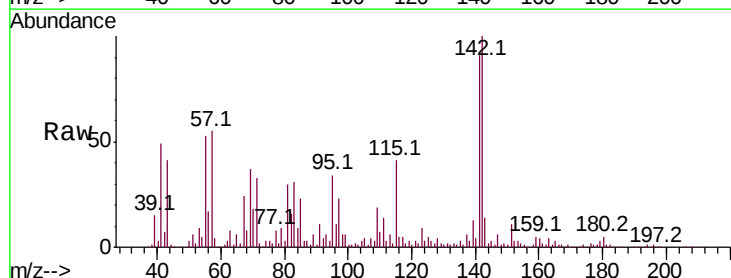
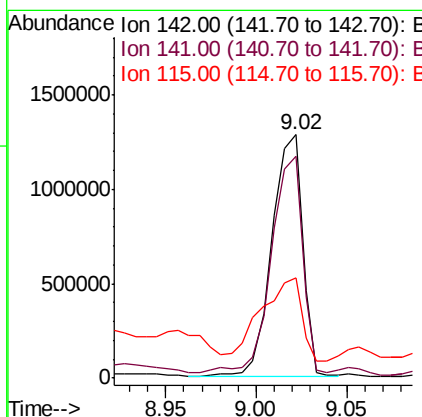
Manual Integrations
APPROVED

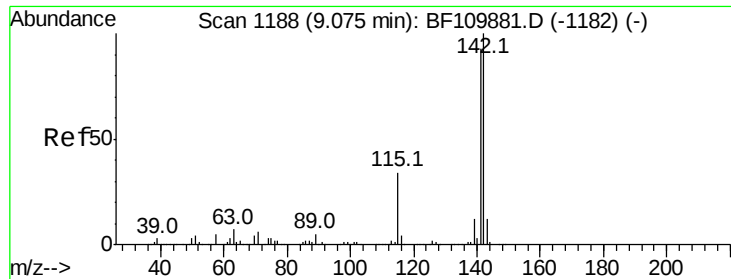
Sohil
10/18/2018 2:04:26 PM



#37
2-Methylnaphthalene
Concen: 144.540 ng/ml
RT: 9.02 min Scan# 1179
Delta R.T. 0.04 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.4	107.2
115	41.0	28.7	43.1





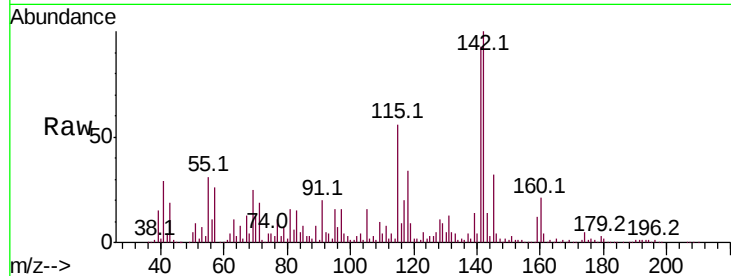
#38
1-Methylnaphthalene
Concen: 204.742 ng
RT: 9.12 min Scan# 1196
Delta R.T. 0.04 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampleId :
TWP-01

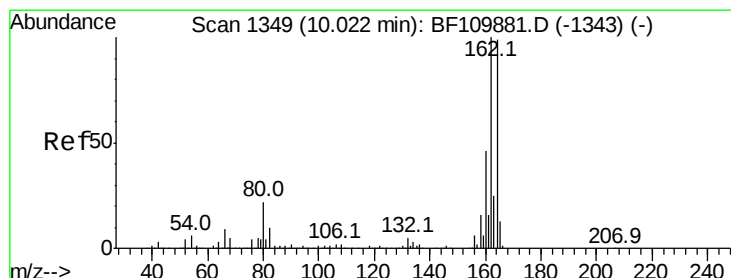
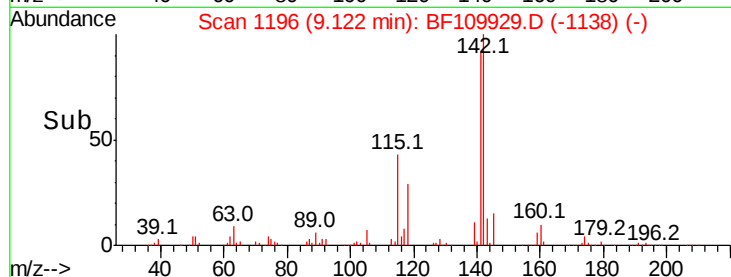
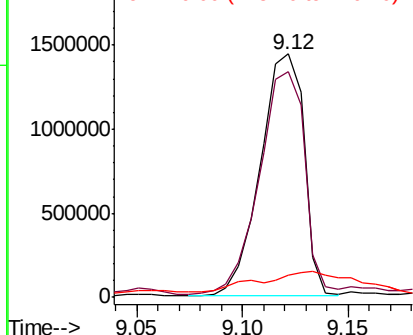
Tot Ion:142 Resp: 2086059
Ion Ratio Lower Upper
142 100
141 92.9 74.2 111.4
116 9.1 2.6 4.0#

Manual Integrations
APPROVED

Sohil
10/18/2018 2:04:26 PM

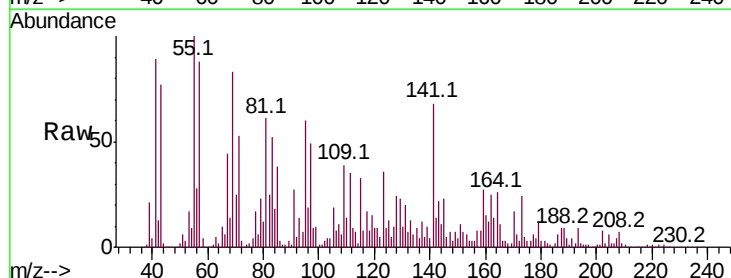


Abundance Ion 142.00 (141.70 to 142.70): E
2000000 Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

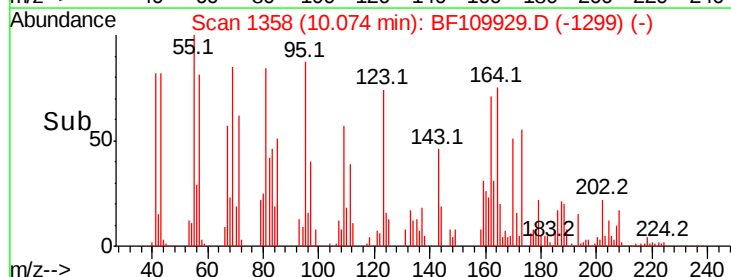
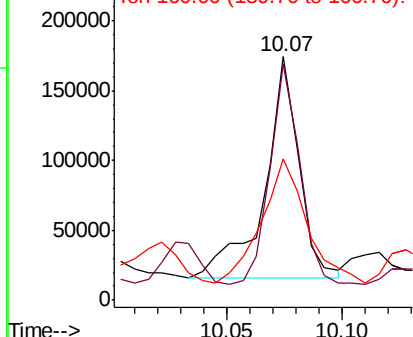


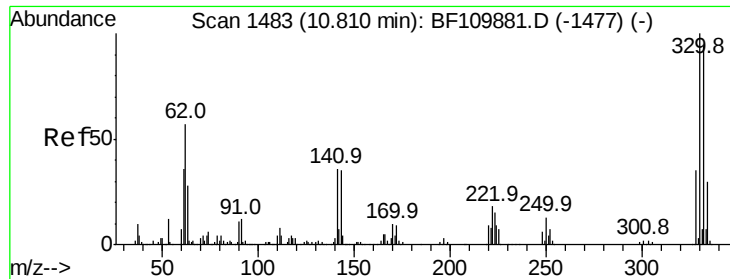
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.05 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion:164 Resp: 165112
Ion Ratio Lower Upper
164 100
162 97.1 83.0 124.6
160 57.8 37.0 55.6#



Abundance Ion 164.00 (163.70 to 164.70): E
200000 Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





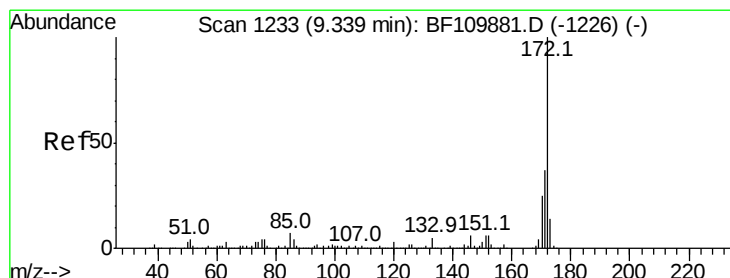
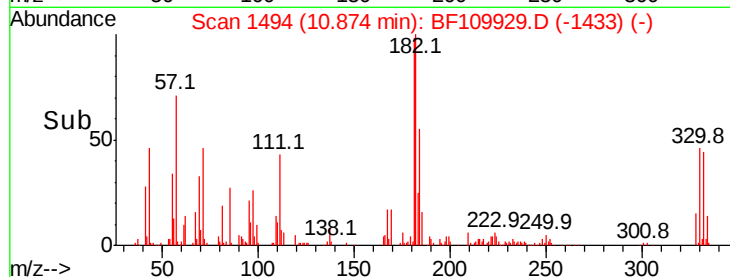
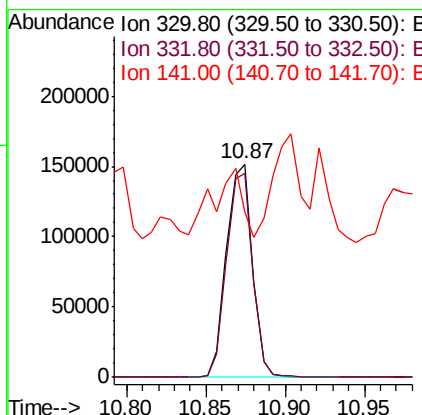
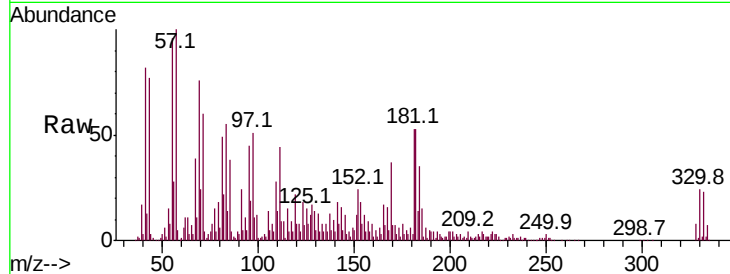
#42
 2,4,6-Tribromophenol
 Concen: 120.635 ng
 RT: 10.87 min Scan# 1494
 Delta R.T. 0.06 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Instrument :
 BNA_F
 ClientSampled :
 TWP-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.1	115.7
141	35.5	27.0	40.4

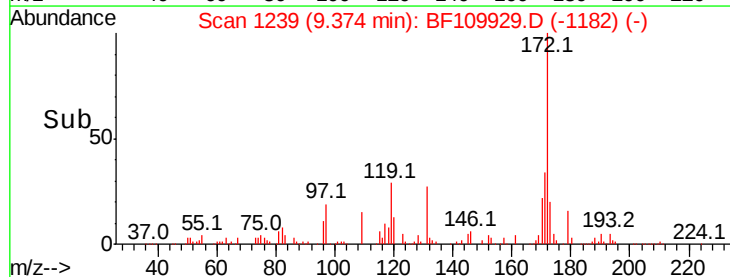
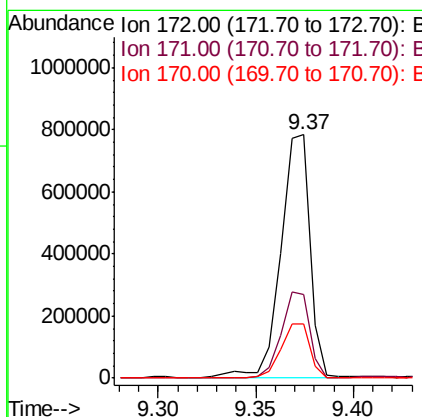
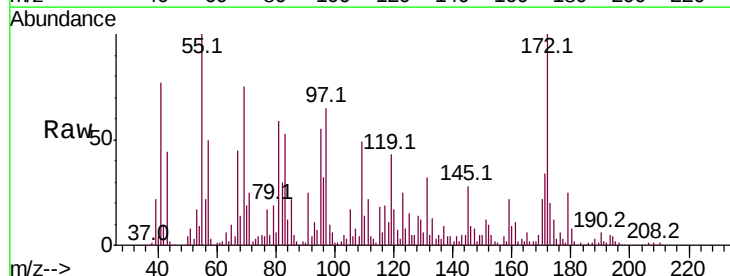
Manual Integrations
 APPROVED

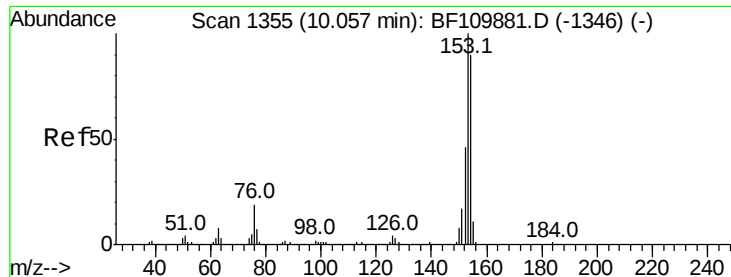
Sohil
 10/18/2018 2:04:26 PM



#45
 2-Fluorobiphenyl
 Concen: 78.721 ng
 RT: 9.37 min Scan# 1239
 Delta R.T. 0.04 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.6	43.0
170	22.5	19.7	29.5





#52

Acenaphthene

Concen: 34.147 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.05 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

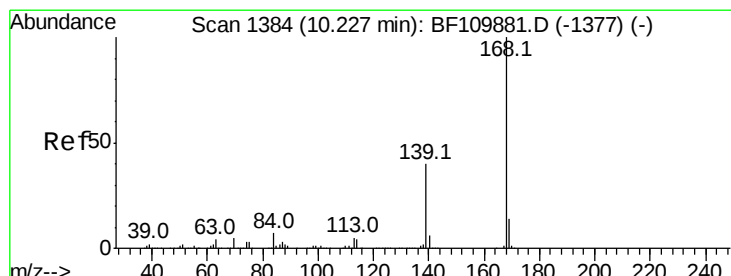
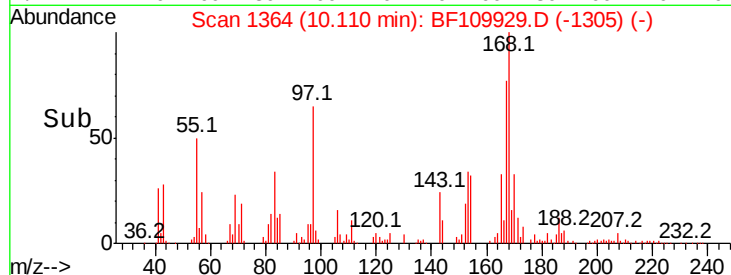
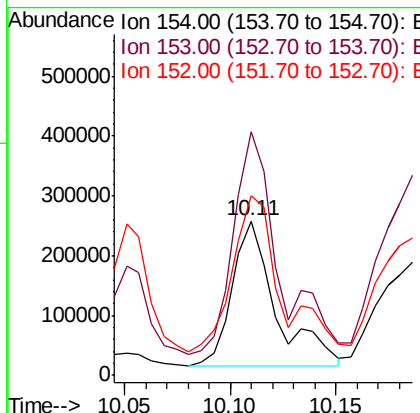
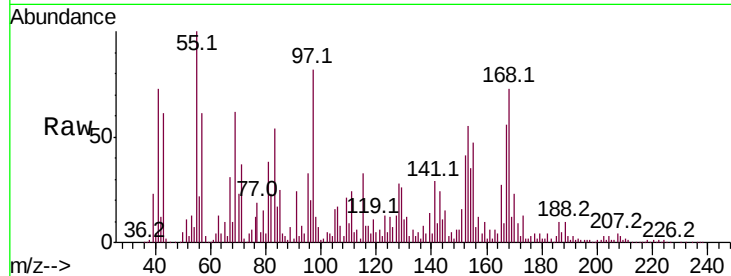
ClientSampleId :

TWP-01

Tot Ion	Ratio	Lower	Upper
154	100		
153	157.8	90.1	135.1#
152	116.4	43.4	65.2#

Manual Integrations
APPROVED

Sohil
10/18/2018 2:04:26 PM



#55

Dibenzofuran

Concen: 25.621 ng m

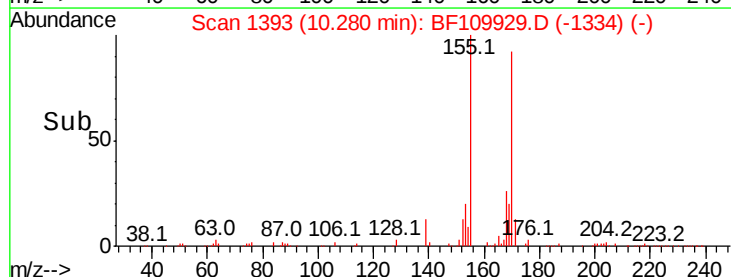
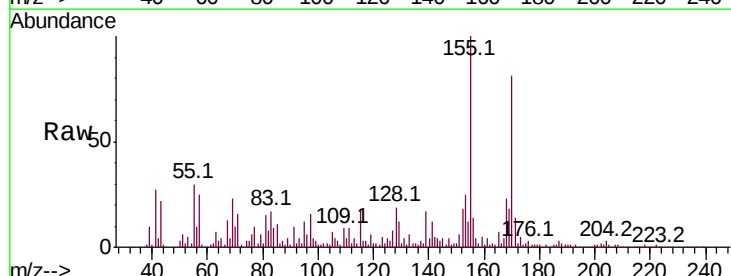
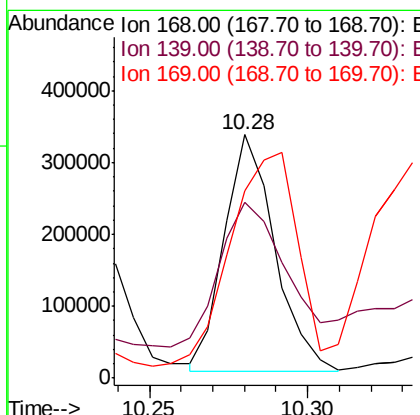
RT: 10.28 min Scan# 1393

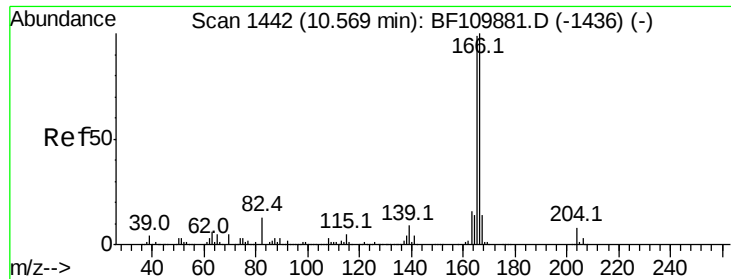
Delta R.T. 0.05 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
168	100		
139	72.3	33.0	49.6#
169	77.0	11.3	16.9#





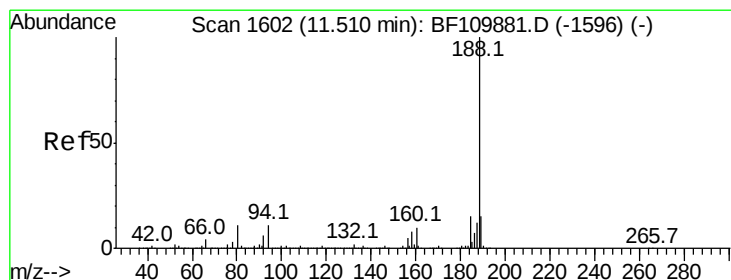
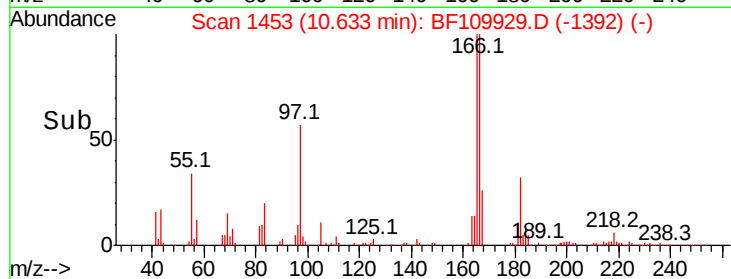
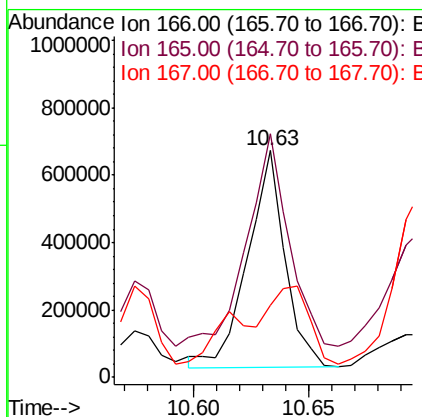
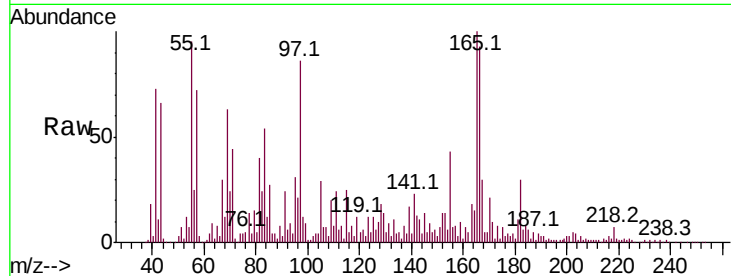
#58
 Fluorene
 Concen: 69.733 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.06 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Instrument :
 BNA_F
 ClientSampled :
 TWP-01

Tot Ion	Ratio	Lower	Upper
166	100		
165	107.5	78.6	117.8
167	32.0	10.8	16.2#

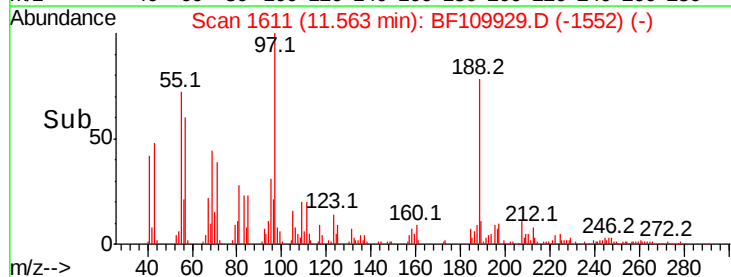
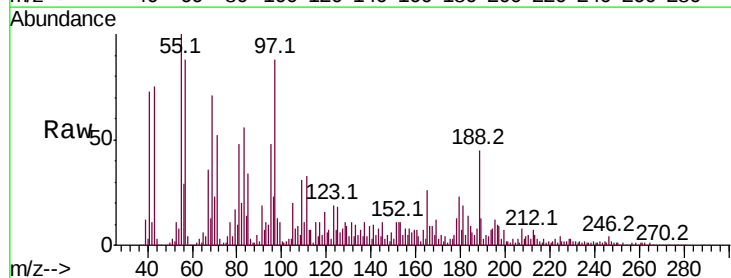
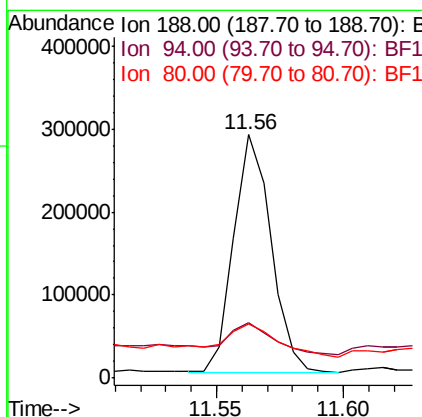
Manual Integrations
 APPROVED

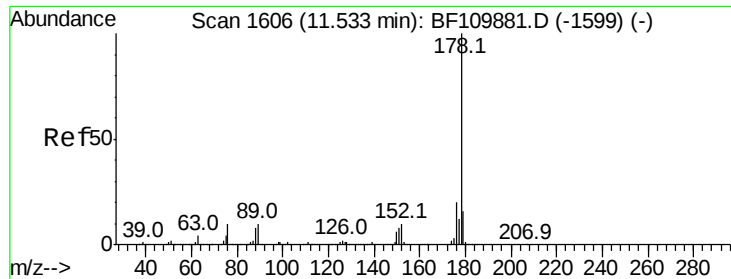
Sohil
 10/18/2018 2:04:26 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.05 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	23.0	7.2	10.8#
80	22.3	7.9	11.9#





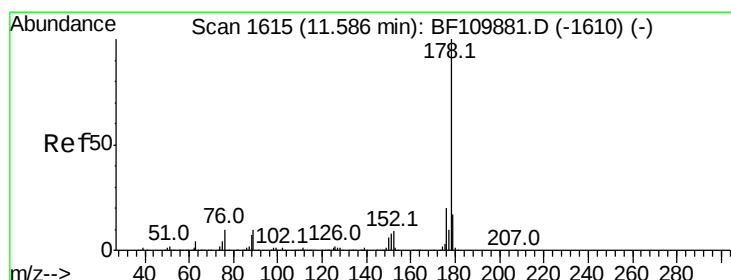
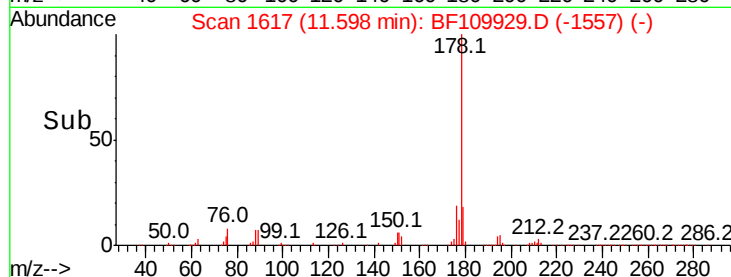
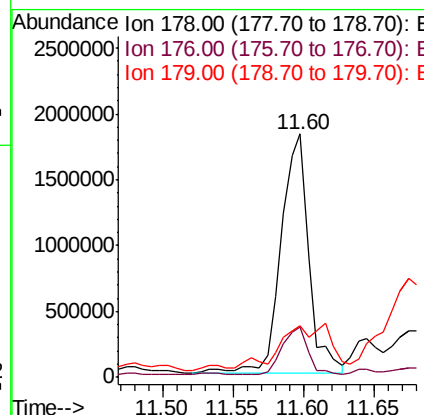
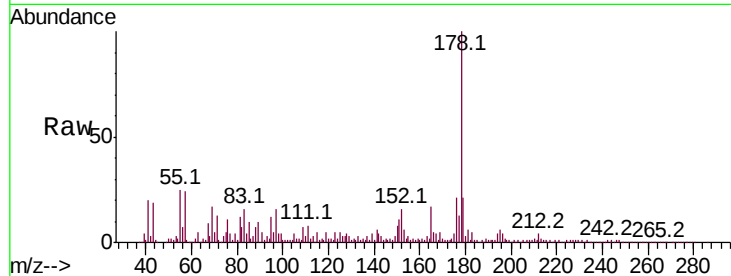
#71
Phenanthrene
Concen: 165.850 ng
RT: 11.60 min Scan# 1617
Delta R.T. 0.05 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampled :
TWP-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.5	23.3
179	21.4	12.5	18.7#

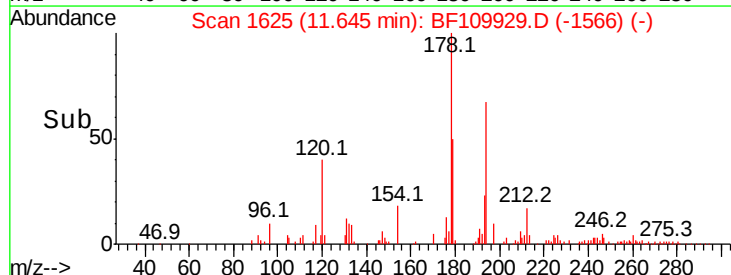
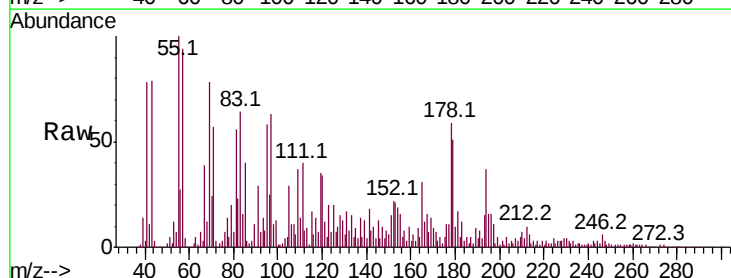
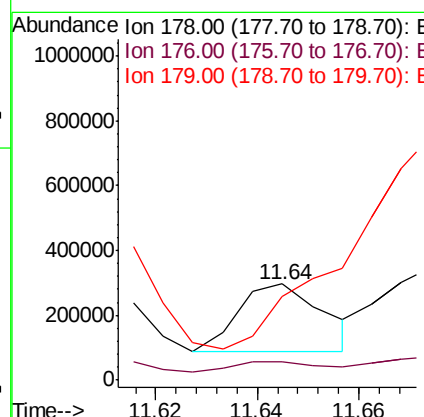
Manual Integrations
APPROVED

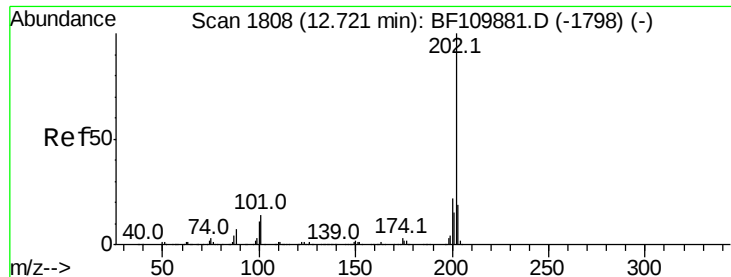
Sohil
10/18/2018 2:04:26 PM



#72
Anthracene
Concen: 15.829 ng
RT: 11.64 min Scan# 1625
Delta R.T. 0.05 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	86.2	12.6	18.8#





#75

Fluoranthene

Concen: 19.388 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.03 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

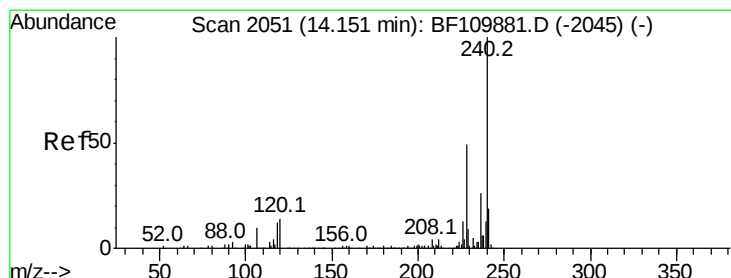
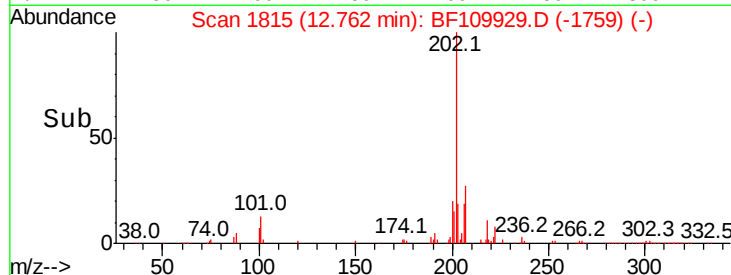
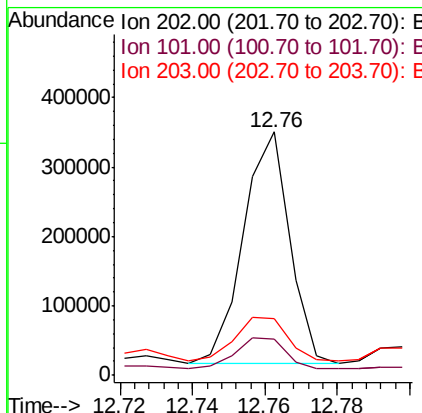
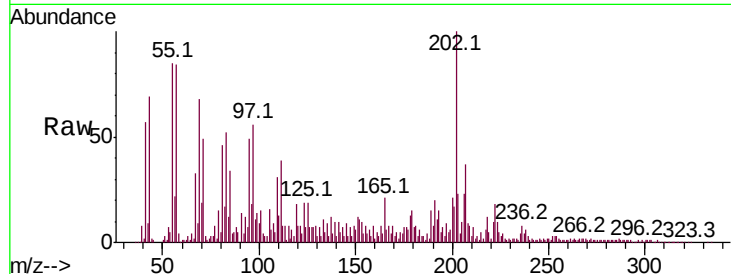
ClientSampleId :

TWP-01

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.8	0.0	31.4
203	23.3	0.0	37.7

Manual Integrations
APPROVED

Sohil
10/18/2018 2:04:26 PM



#76

Chrysene-d12

Concen: 20.000 ng

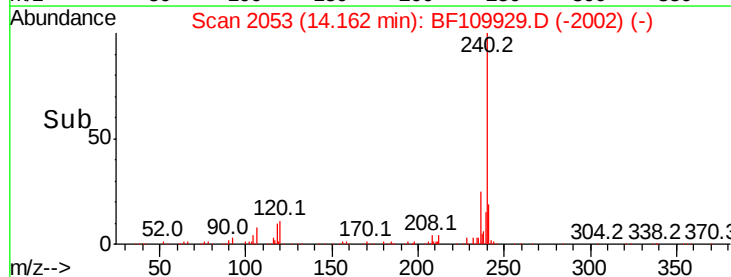
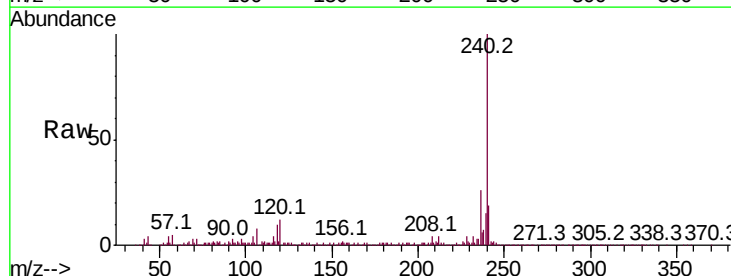
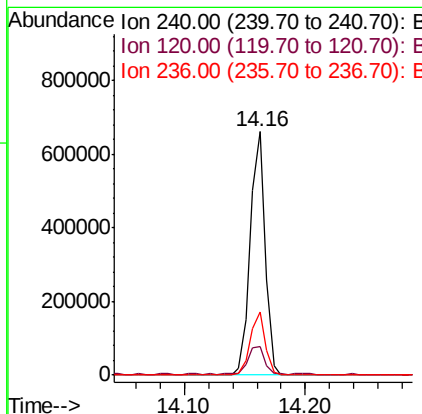
RT: 14.16 min Scan# 2053

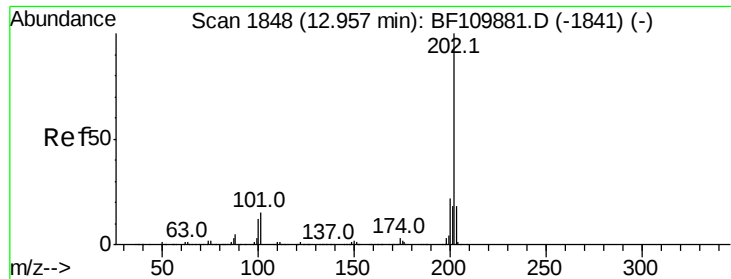
Delta R.T. -0.00 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.6	8.3	12.5
236	25.7	21.2	31.8





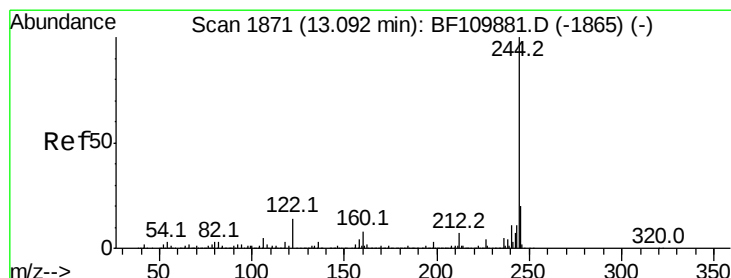
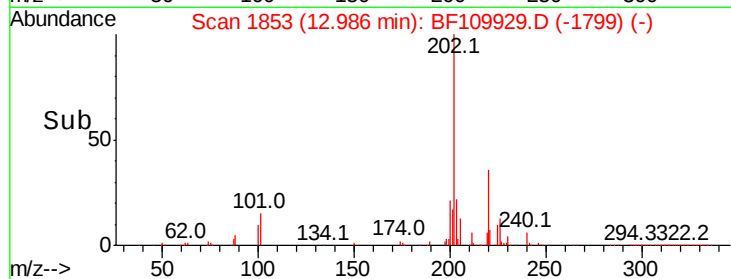
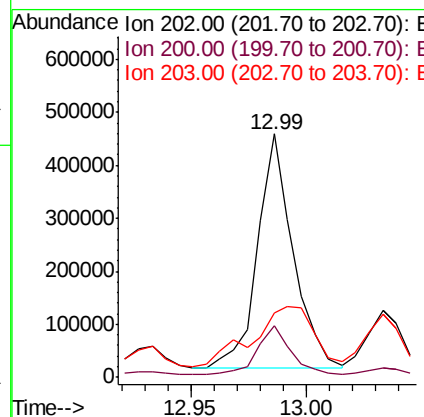
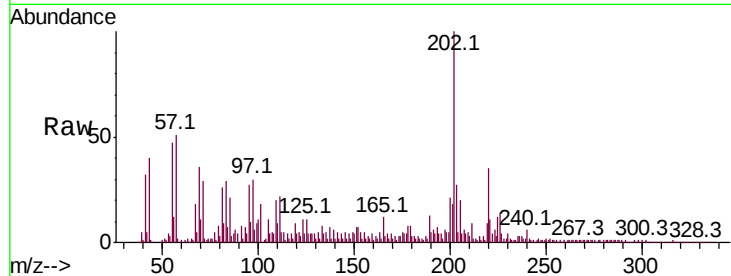
#78
Pvrene
Concen: 11.239 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.02 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampleId :
TWP-01

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	26.6	14.2	21.4

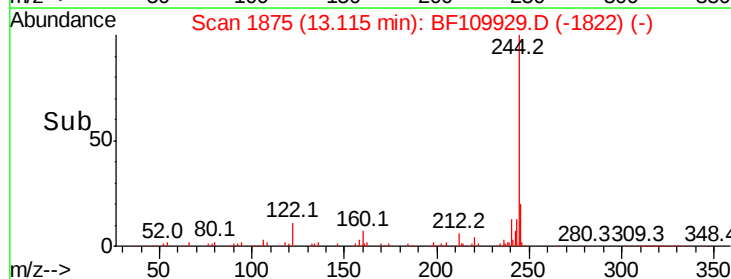
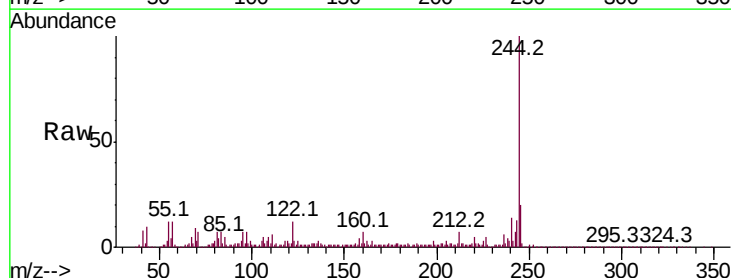
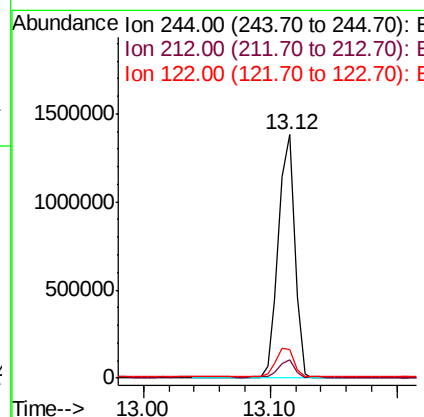
Manual Integrations
APPROVED

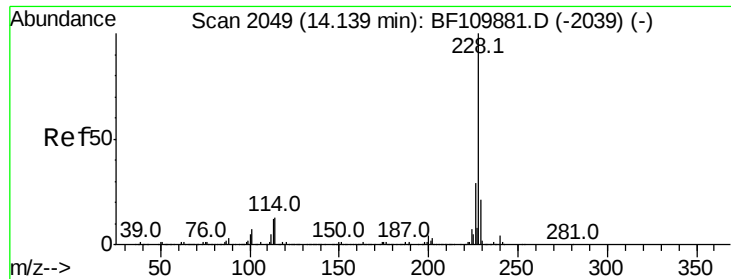
Sohil
10/18/2018 2:04:26 PM



#79
Terphenyl-d14
Concen: 45.553 ng
RT: 13.12 min Scan# 1875
Delta R.T. 0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	12.0	8.7	13.1





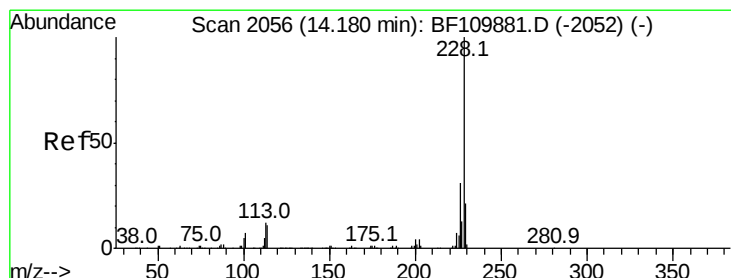
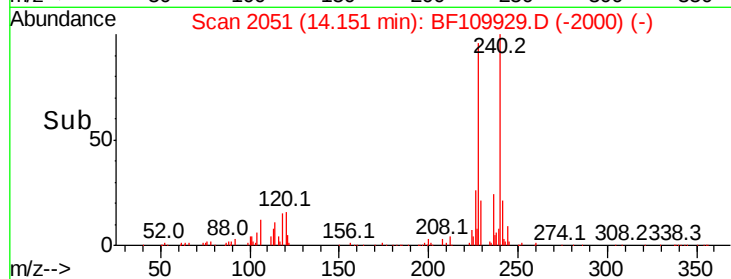
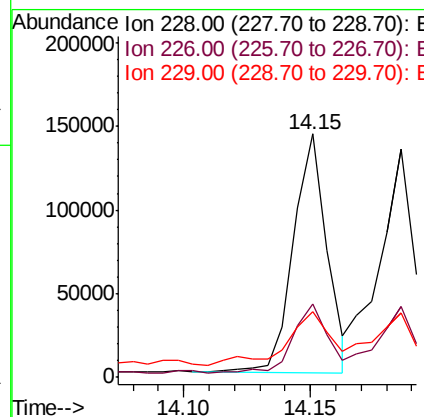
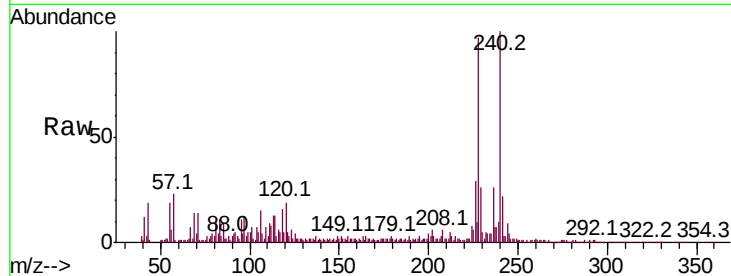
#81
Benzo(a)anthracene
Concen: 3.909 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampled :
TWP-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.1	33.1
229	27.2	15.6	23.4

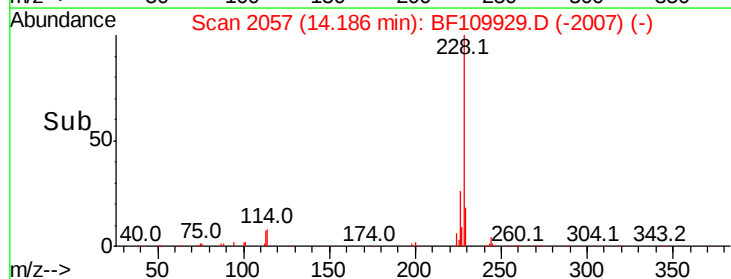
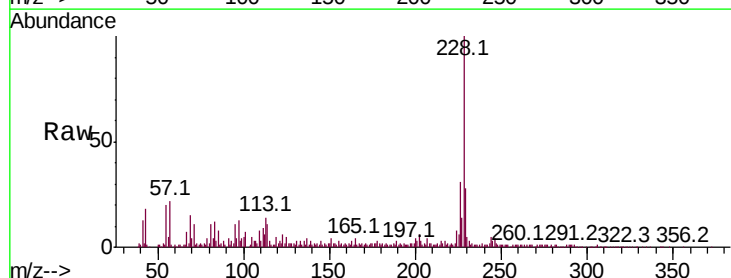
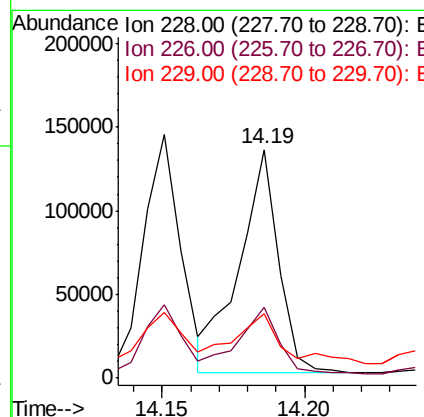
Manual Integrations
APPROVED

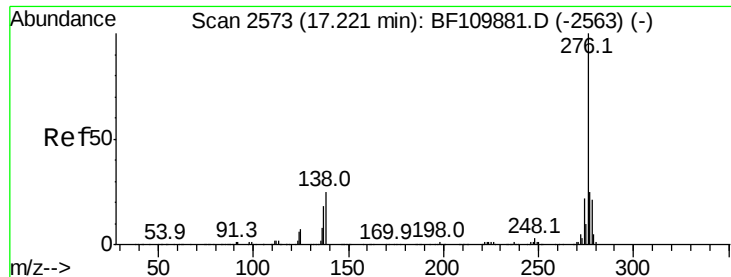
Sohil
10/18/2018 2:04:26 PM



#83
Chrysene
Concen: 4.010 ng m
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	28.0	15.9	23.9





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.675 ng

RT: 17.24 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

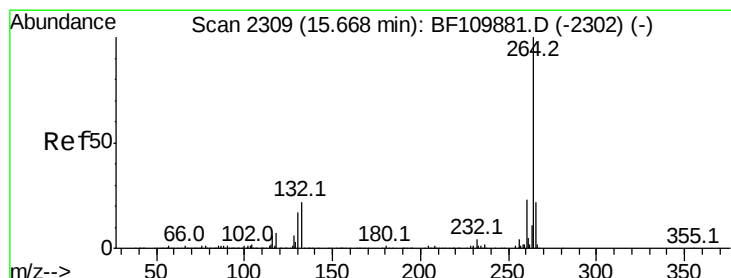
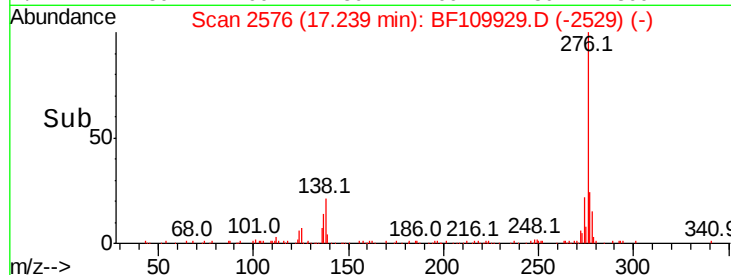
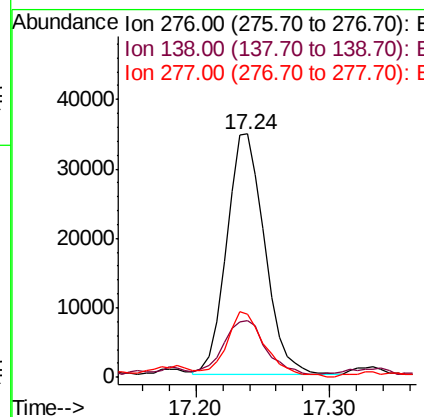
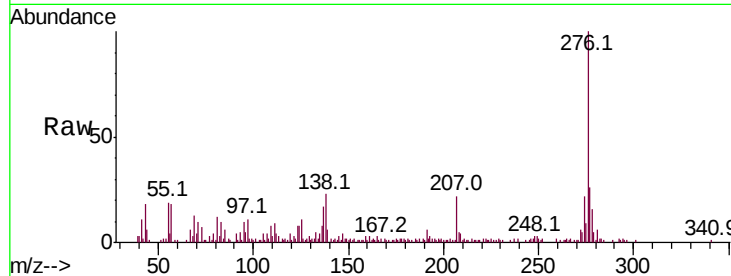
ClientSampleId :

TWP-01

Tot Ion:	276	Resp:	69069
Ion Ratio	Lower	Upper	
276	100		
138	24.1	18.5	27.7
277	27.5	20.0	30.0

Manual Integrations
APPROVED

Sohil
10/18/2018 2:04:26 PM



#87

Perylene-d12

Concen: 20.000 ng

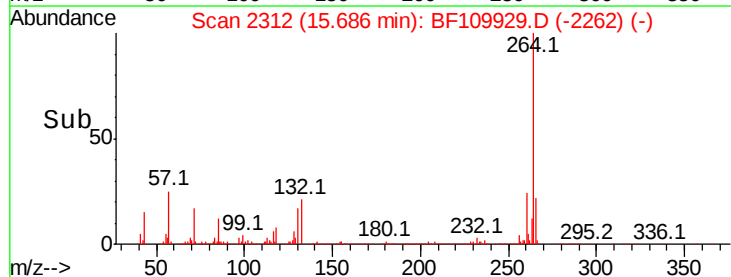
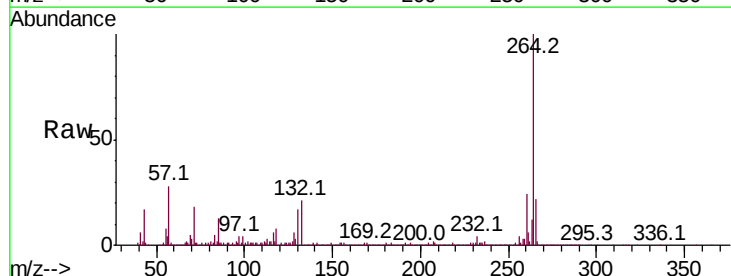
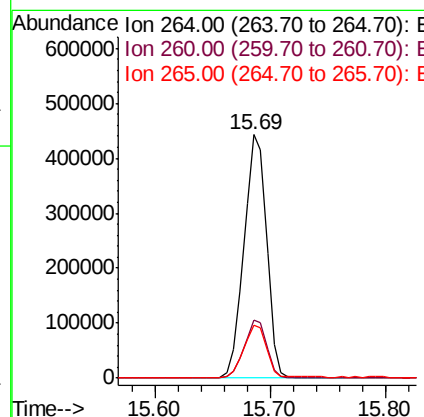
RT: 15.69 min Scan# 2312

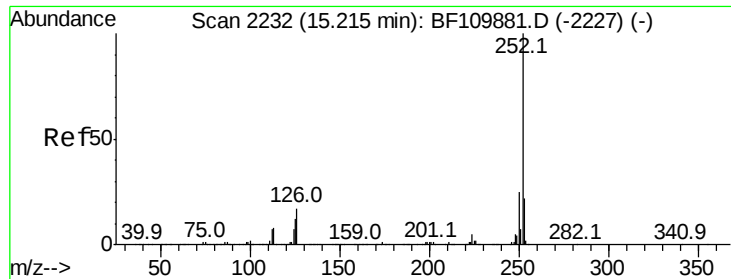
Delta R.T. -0.01 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Tgt Ion:	264	Resp:	602243
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.7	28.1
265	21.7	16.7	25.1





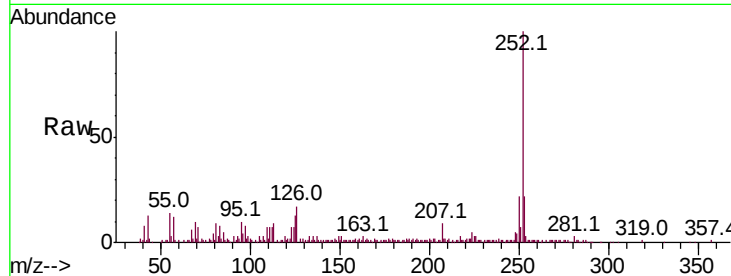
#88
Benzo(b)fluoranthene
Concen: 4.055 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampleId :
TWP-01

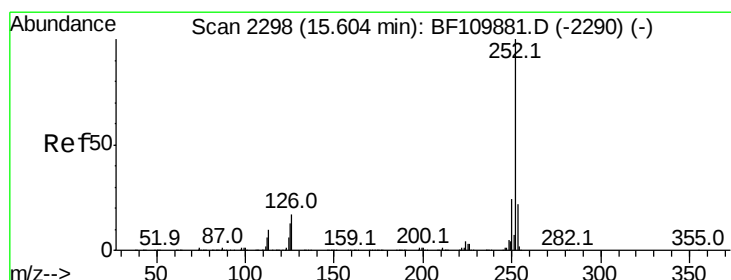
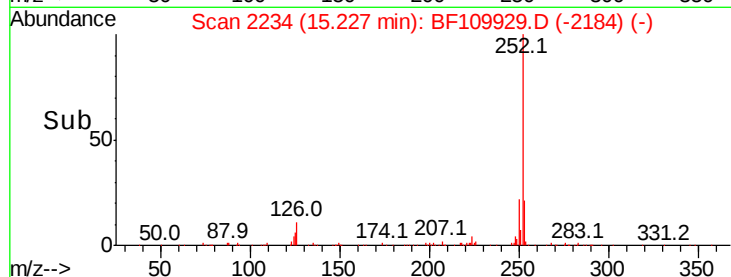
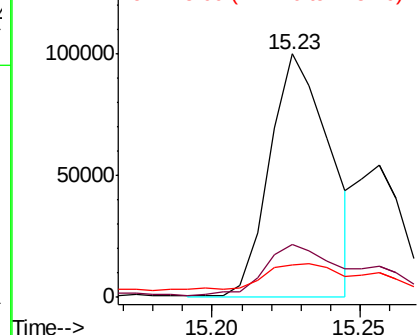
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	13.4	8.2	12.4

Manual Integrations
APPROVED

Sohil
10/18/2018 2:04:26 PM



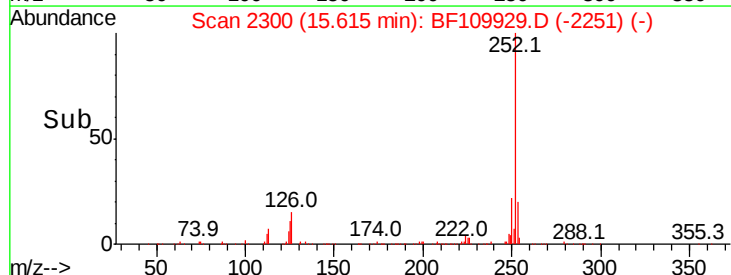
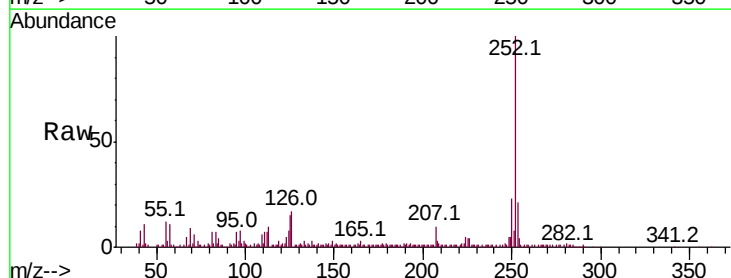
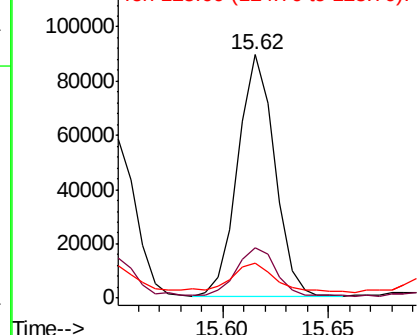
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

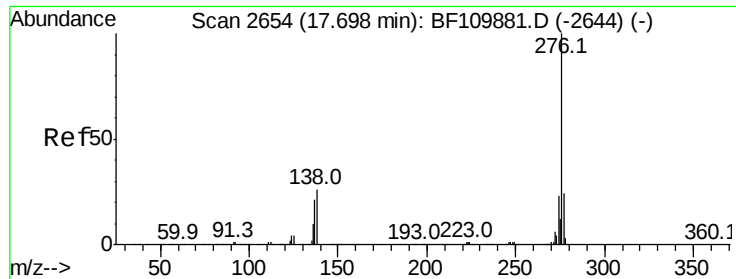


#90
Benzo(a)pyrene
Concen: 3.390 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.2	27.4
125	14.6	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





#92
 Benzo(a,h,i)perylene
 Concen: 2.189 ng
 RT: 17.71 min Scan# 2656
 Delta R.T. -0.03 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :
 TWP-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.8	28.2
138	27.3	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 10/18/2018 2:04:26 PM

