

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110853.D
 Acq On : 19 Nov 2018 15:18
 Operator : JU/SJ
 Sample : J5981-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DTW-01(6-10)

Manual Integrations
 APPROVED

Sohil
 11/20/2018 11:07:31 AM

Quant Time: Nov 19 16:23:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	57715	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	231635	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	104495	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	167653	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	123643	20.00	ng	-0.01
87) Perylene-d12	15.66	264	120582	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	405457	114.11	ng	0.00
7) Phenol-d6	6.57	99	512798	112.86	ng	0.00
23) Nitrobenzene-d5	7.50	82	329982	82.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	106289	100.95	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	522636	71.43	ng	-0.01
79) Terphenyl-d14	13.06	244	353733	53.58	ng	-0.01
Target Compounds						
10) Phenol	6.58	94	22863	4.339	ng	Qvalue # 73
50) Dimethylphthalate	9.69	163	55633	7.135	ng	98
71) Phenanthrene	11.50	178	17989	2.003	ng	97
75) Fluoranthene	12.69	202	97657	10.845	ng	99
78) Pyrene	12.93	202	147220	15.464	ng	98
81) Benzo(a)anthracene	14.12	228	72865	9.860	ng	98
83) Chrysene	14.16	228	71583	10.167	ng	99
86) Indeno(1,2,3-cd)pyrene	17.24	276	16344	3.235	ng	# 91
88) Benzo(b)fluoranthene	15.20	252	53874m	7.468	ng	
89) Benzo(k)fluoranthene	15.23	252	18868m	2.647	ng	
90) Benzo(a)pyrene	15.59	252	49321	7.525	ng	100
92) Benzo(a,h,i)perylene	17.72	276	15766	2.865	ng	# 91

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

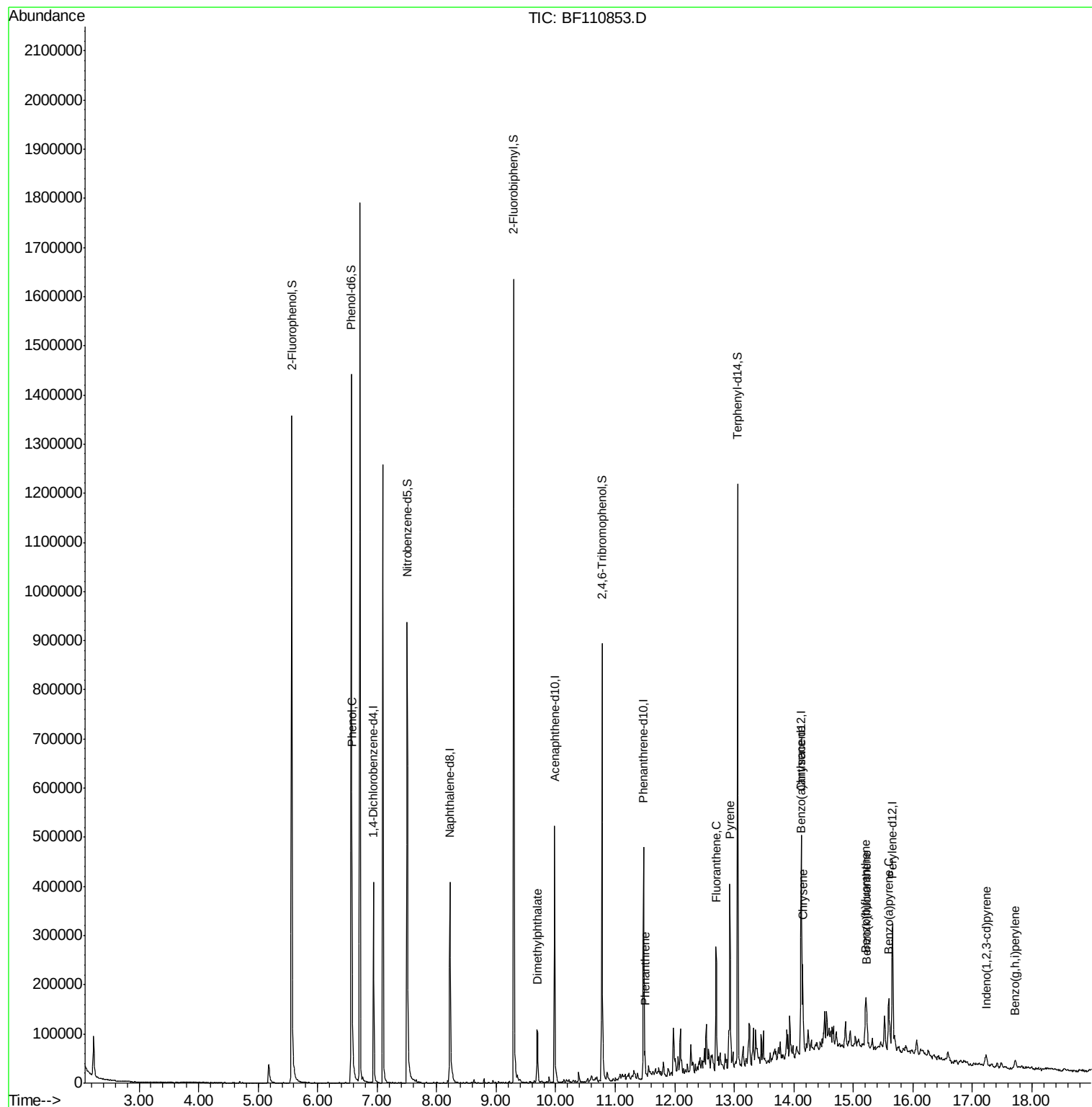
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110853.D
Acq On : 19 Nov 2018 15:18
Operator : JU/SJ
Sample : J5981-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

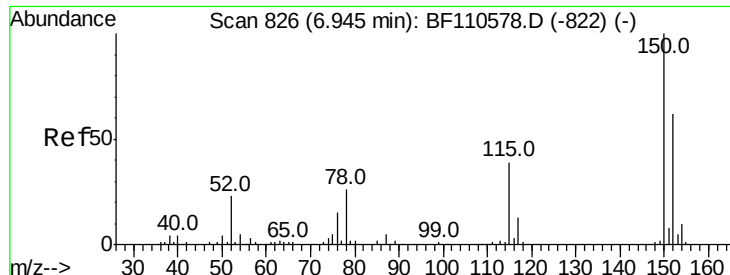
Instrument :
BNA_F
ClientSampleId :
DTW-01(6-10)

Quant Time: Nov 19 16:23:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
11/20/2018 11:07:31 AM





#1

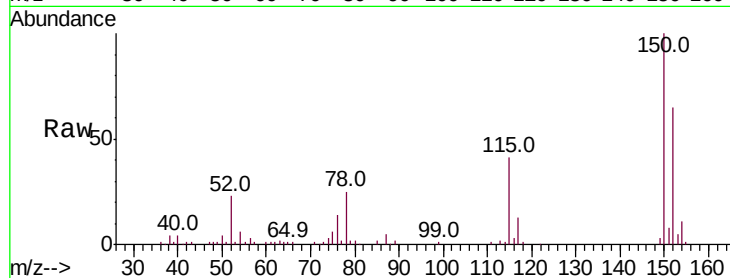
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :
DTW-01(6-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	122.7	184.1
115	62.9	49.1	73.7

Manual Integrations
APPROVED

Sohil
11/20/2018 11:07:31 AM

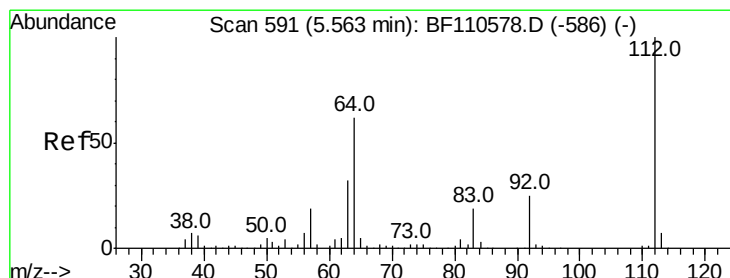
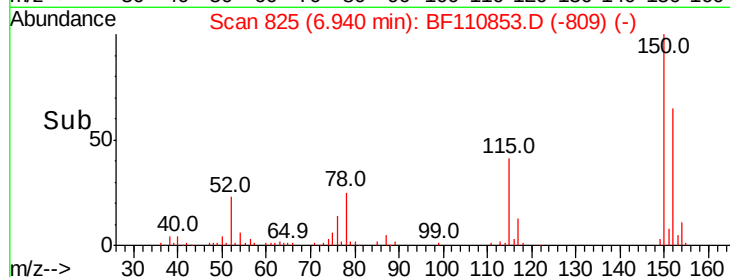
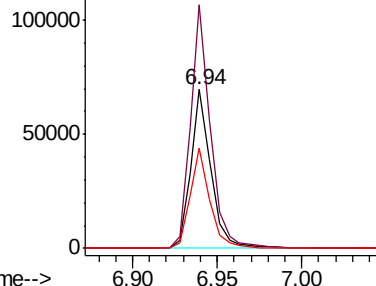


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

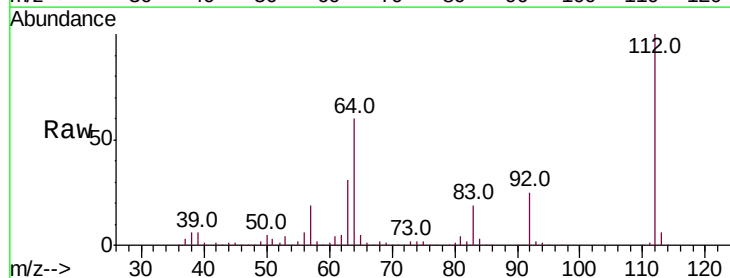
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 114.111 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	44.1	66.1
63	31.4	23.7	35.5

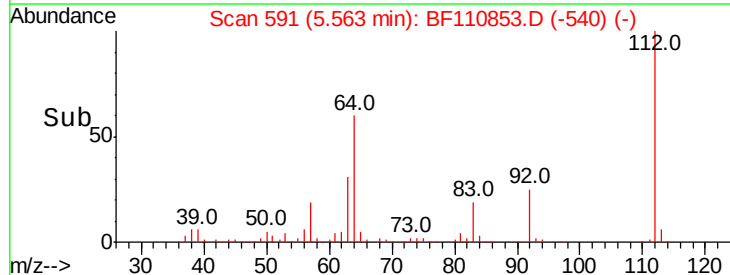
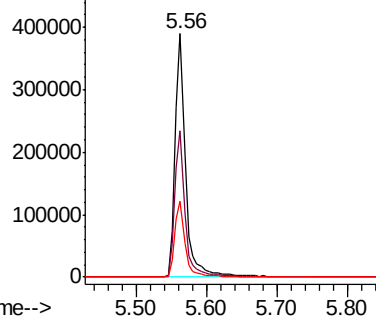


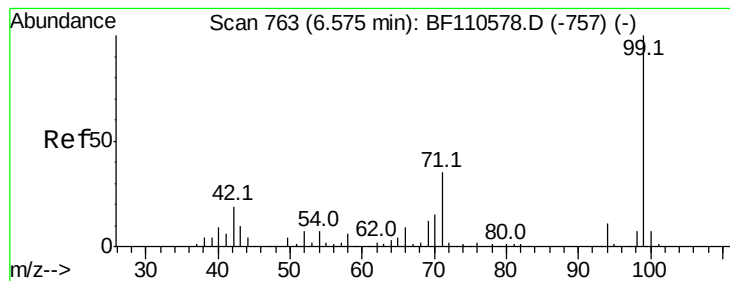
Abundance

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: 112.860 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110853.D

Acq: 19 Nov 2018 15:18

Instrument :

BNA_F

ClientSampleId :

DTW-01(6-10)

Tot Ion: 99 Resp: 512798

Ion Ratio Lower Upper

99 100

42 19.5 15.8 23.6

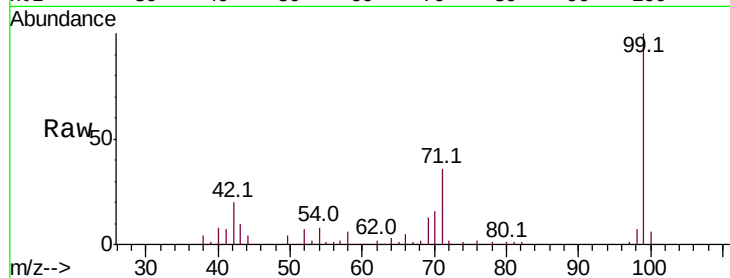
71 36.4 28.0 42.0

Manual Integrations

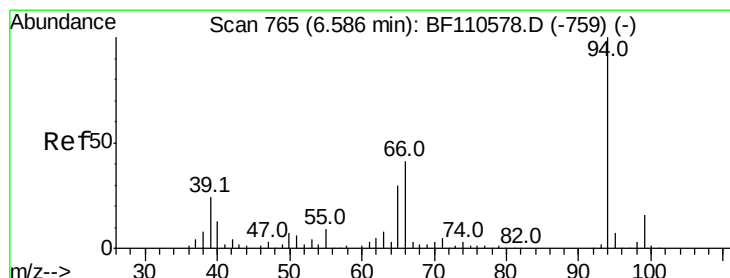
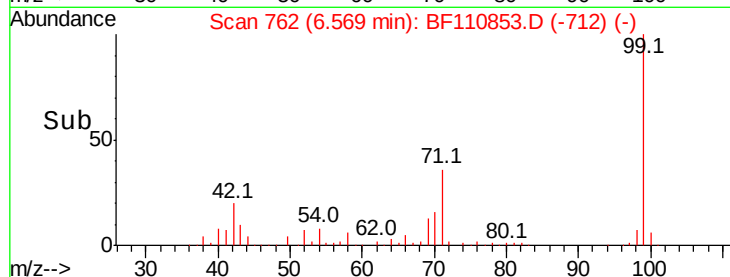
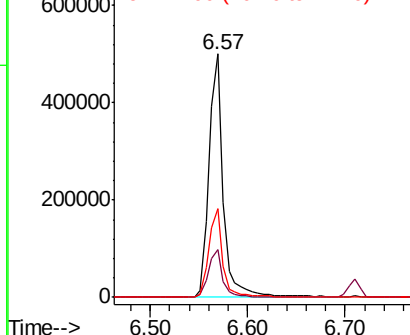
APPROVED

Sohil

11/20/2018 11:07:31 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.339 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110853.D

Acq: 19 Nov 2018 15:18

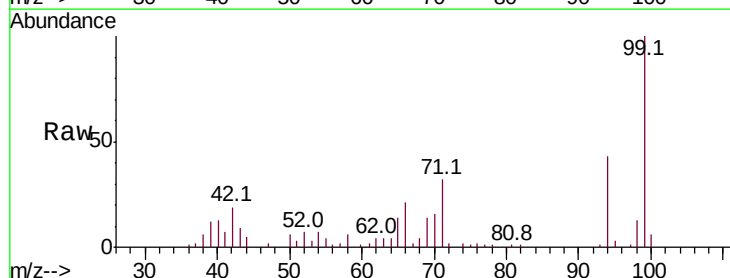
Tgt Ion: 94 Resp: 22863

Ion Ratio Lower Upper

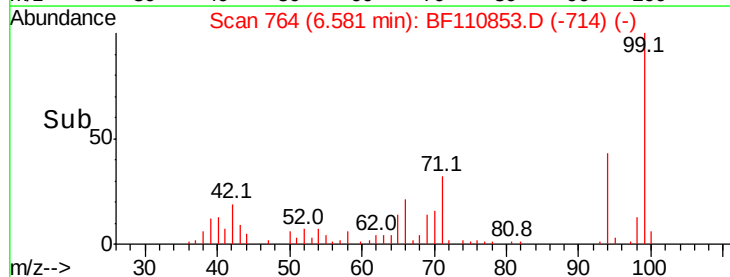
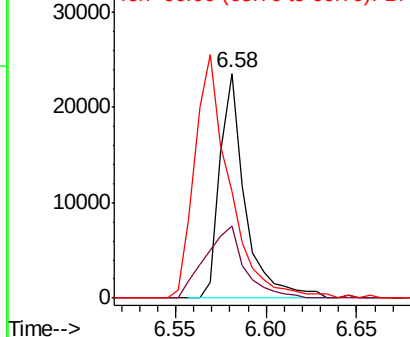
94 100

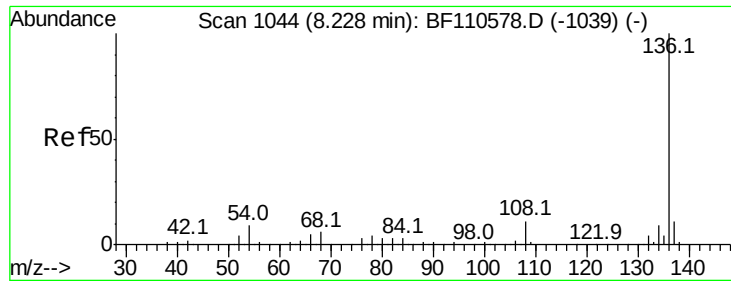
65 32.3 25.3 65.3

66 47.6 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





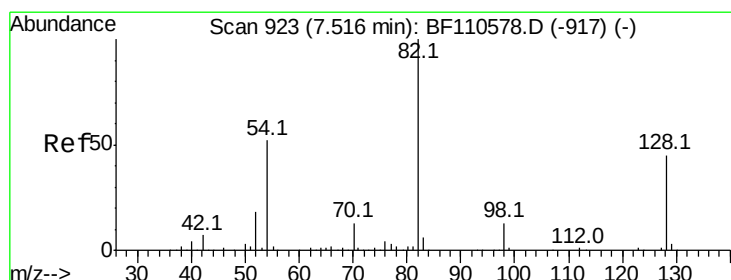
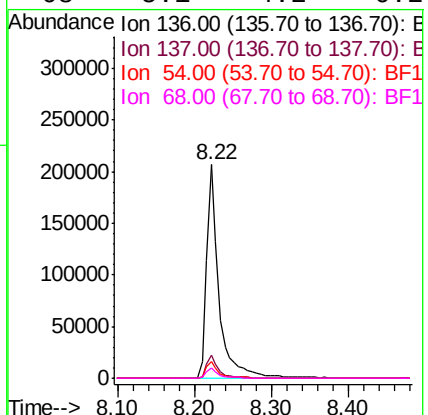
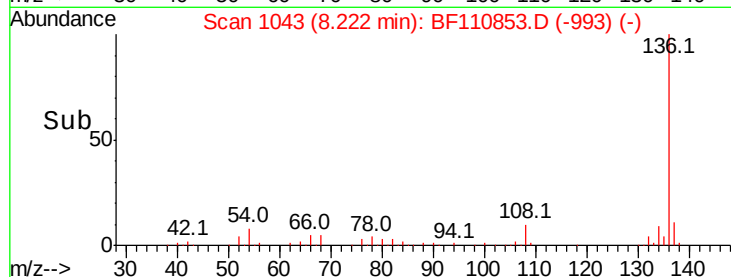
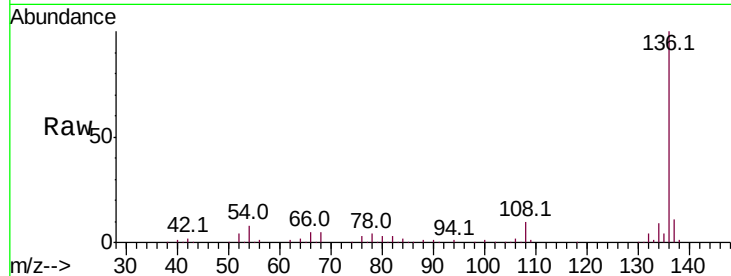
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :
DTW-01(6-10)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.5	8.8	13.2	
54	7.8	5.4	8.2	
68	5.1	4.2	6.2	

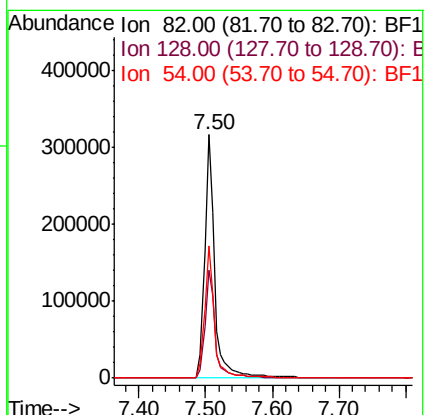
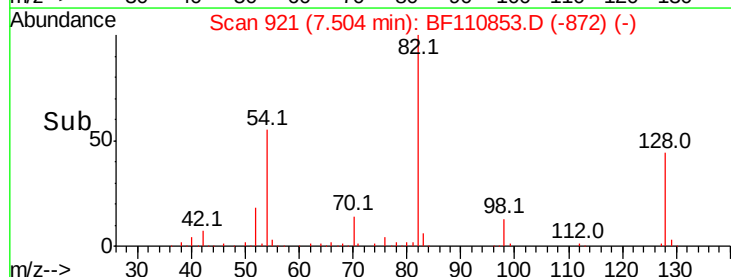
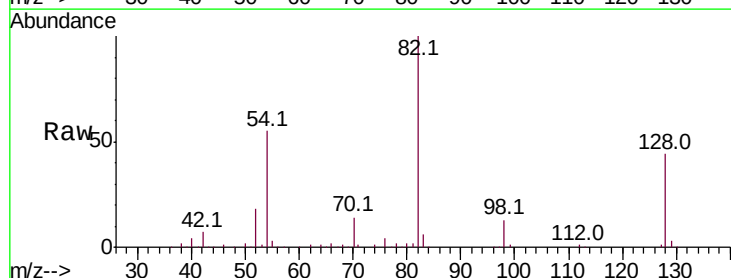
Manual Integrations
APPROVED

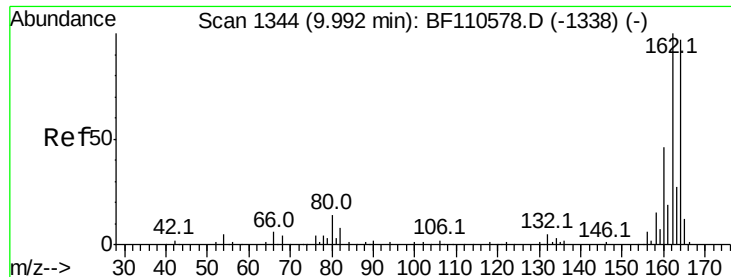
Sohil
11/20/2018 11:07:31 AM



#23
Nitrobenzene-d5
Concen: 82.041 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.2	34.2	51.2	
54	54.5	38.6	58.0	





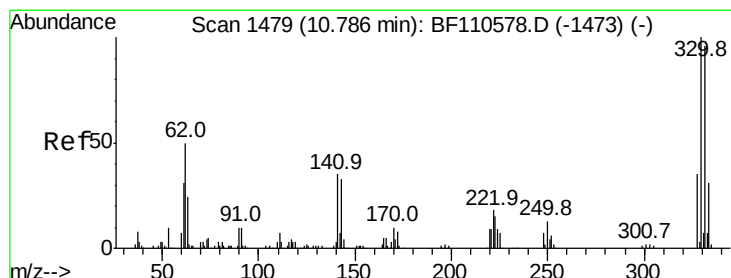
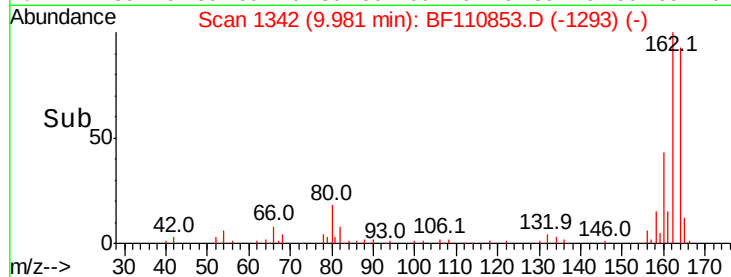
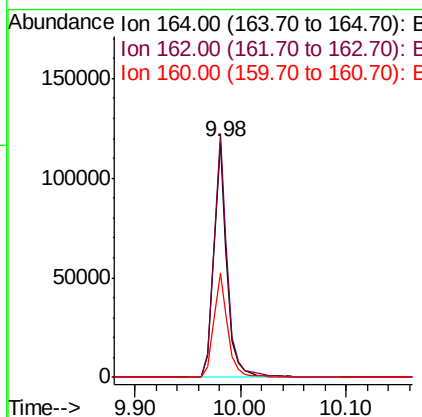
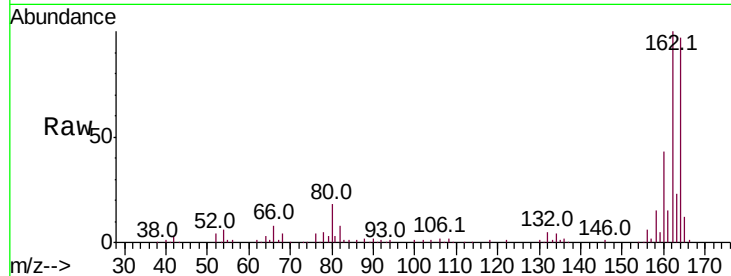
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :
DTW-01(6-10)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	104495		
162	103.5	83.0	124.6	
160	44.3	37.0	55.6	

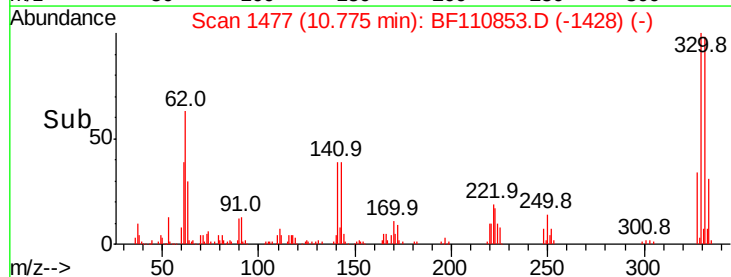
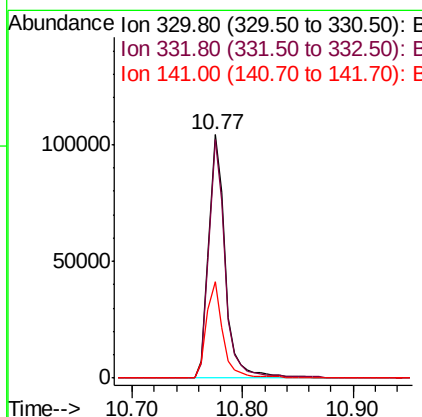
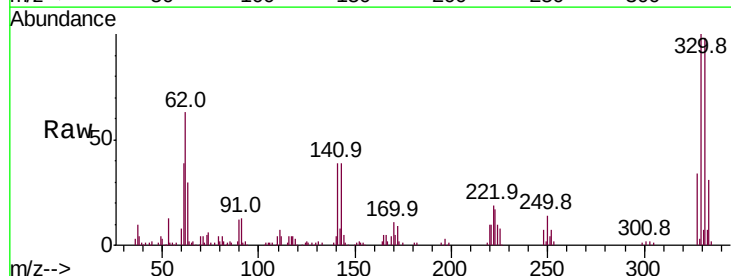
Manual Integrations
APPROVED

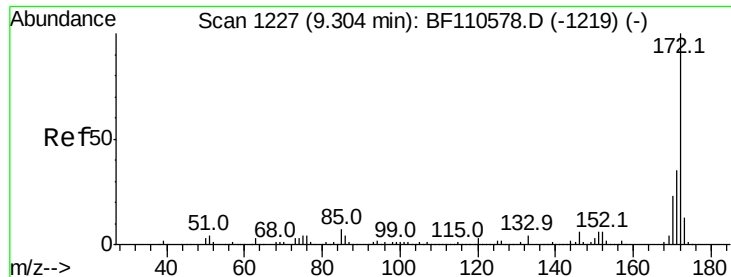
Sohil
11/20/2018 11:07:31 AM



#42
2,4,6-Tribromophenol
Concen: 100.947 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	106289		
332	96.5	77.1	115.7	
141	38.8	27.0	40.4	





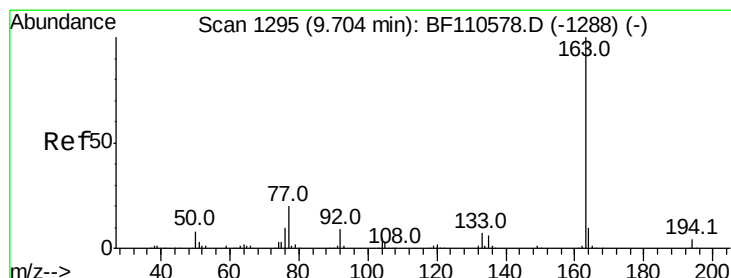
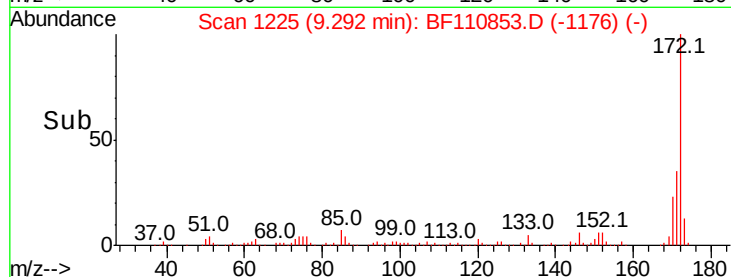
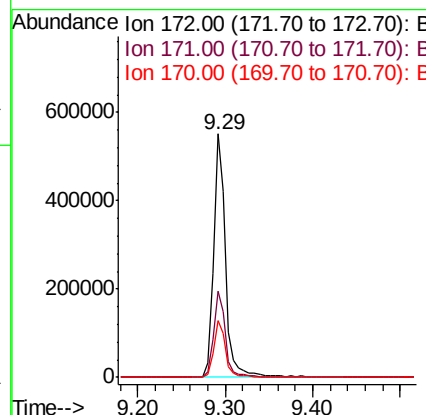
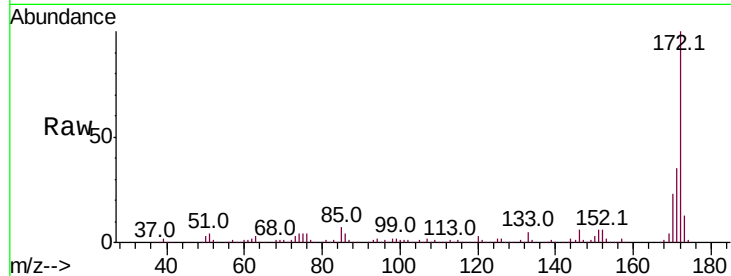
#45
2-Fluorobiphenyl
Concen: 71.431 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :
DTW-01(6-10)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	28.6	43.0	
170	23.3	19.7	29.5	

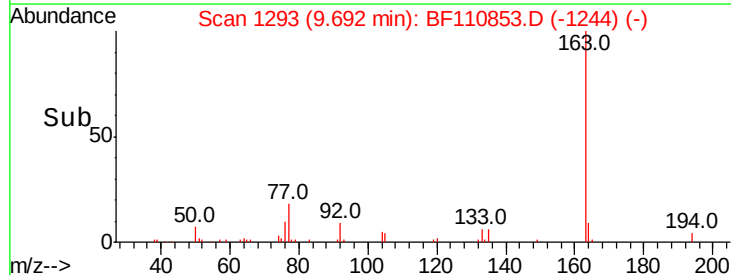
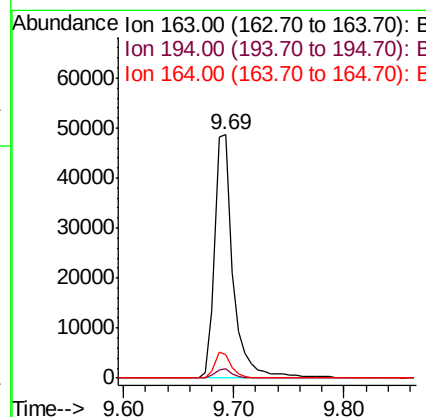
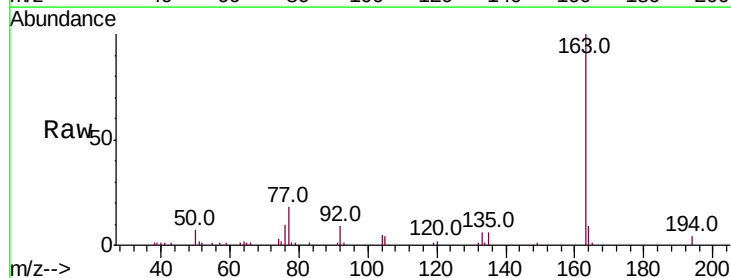
Manual Integrations
APPROVED

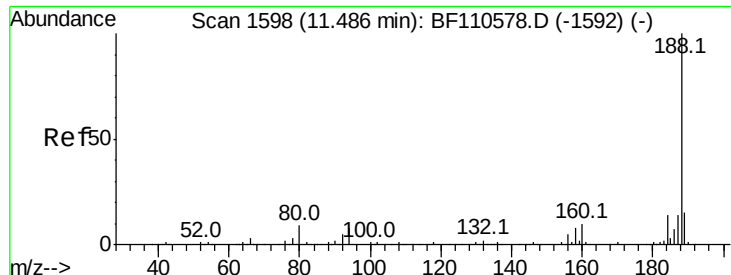
Sohil
11/20/2018 11:07:31 AM



#50
Dimethylphthalate
Concen: 7.135 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7	3.2	4.8	
164	9.4	8.1	12.1	





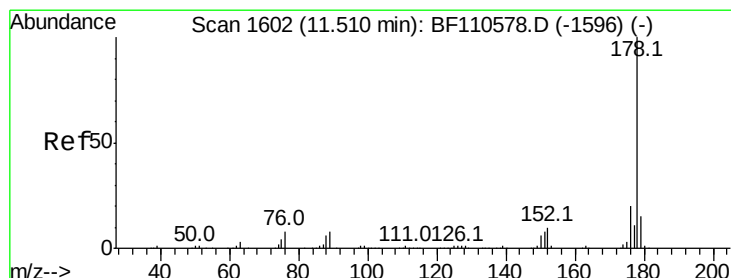
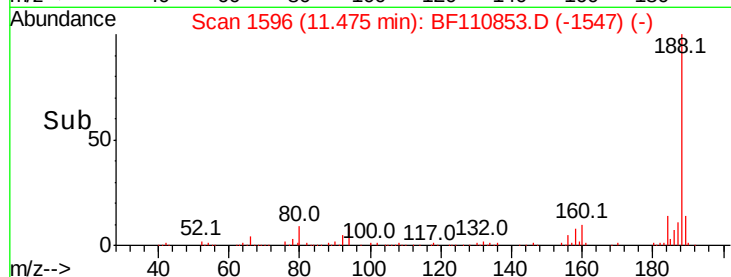
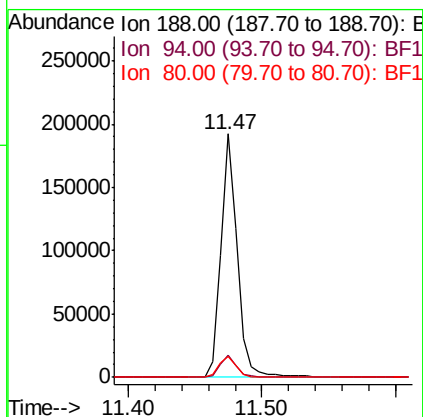
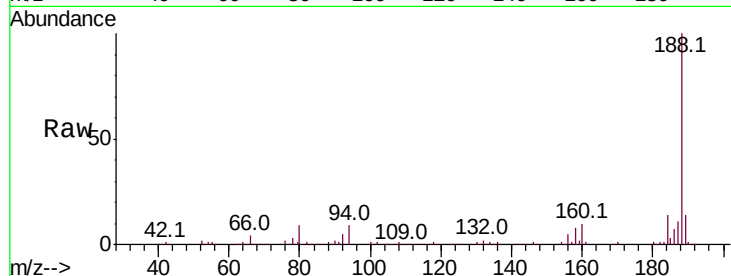
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :
DTW-01(6-10)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	167653		
94	8.9	7.2	10.8	
80	8.8	7.9	11.9	

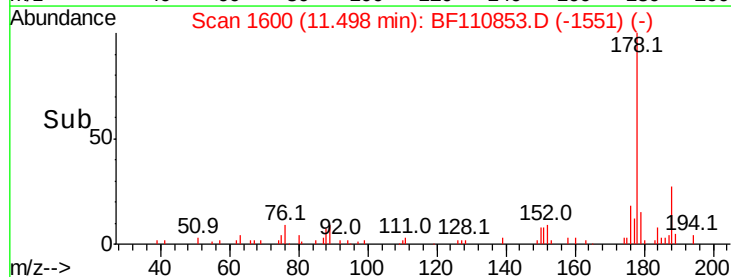
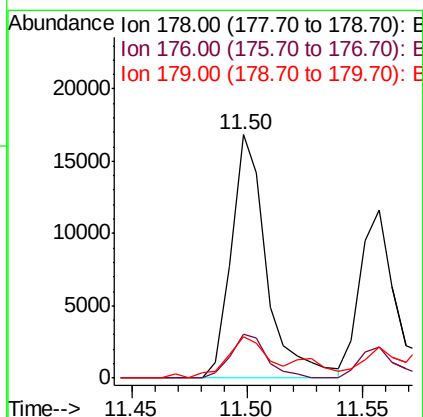
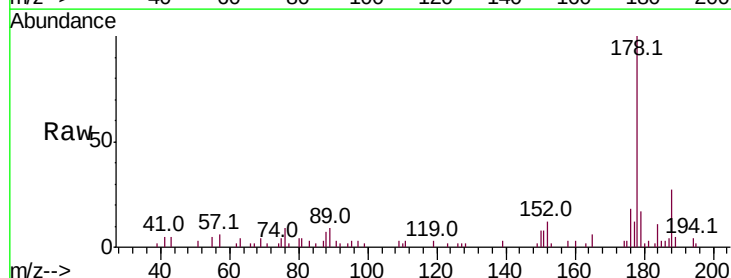
Manual Integrations
APPROVED

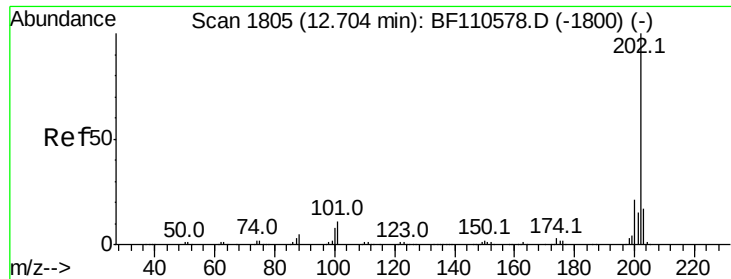
Sohil
11/20/2018 11:07:31 AM



#71
Phenanthrene
Concen: 2.003 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	17989		
176	18.2	15.5	23.3	
179	16.9	12.5	18.7	





#75

Fluoranthene

Concen: 10.845 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF110853.D

Acq: 19 Nov 2018 15:18

Instrument :

BNA_F

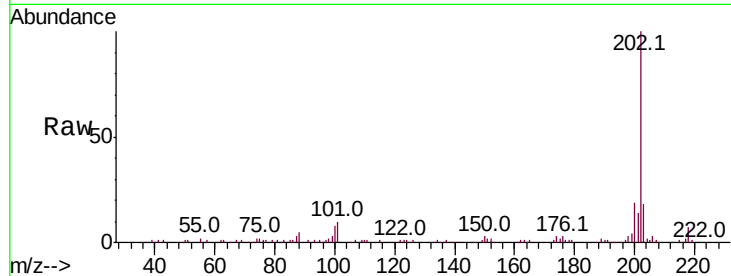
ClientSampleId :

DTW-01(6-10)

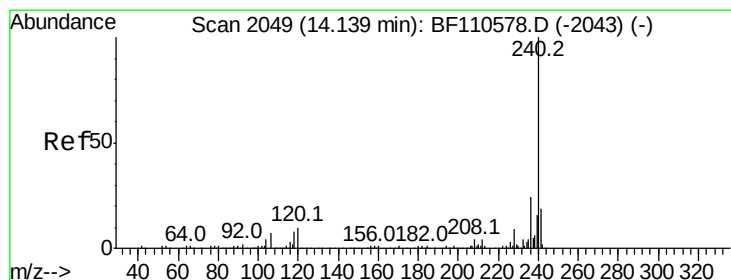
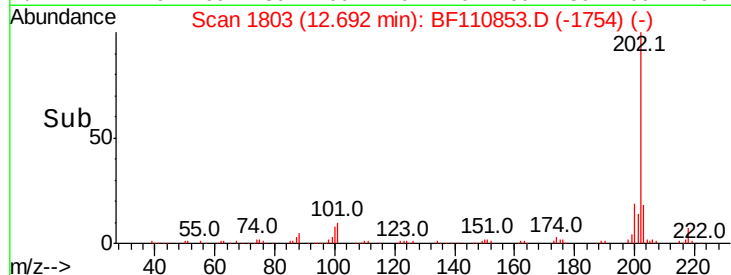
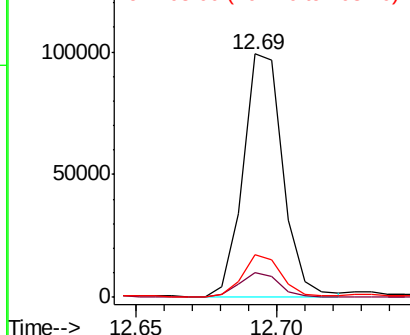
Tot Ion	Ratio	Resp	Lower	Upper
202	100	97657		
101	10.4		0.0	31.4
203	17.8		0.0	37.7

Manual Integrations
APPROVED

Sohil
11/20/2018 11:07:31 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

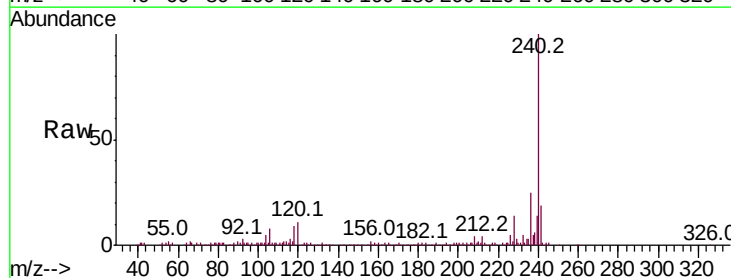
RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

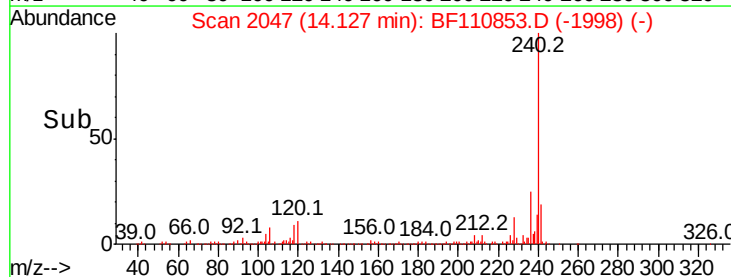
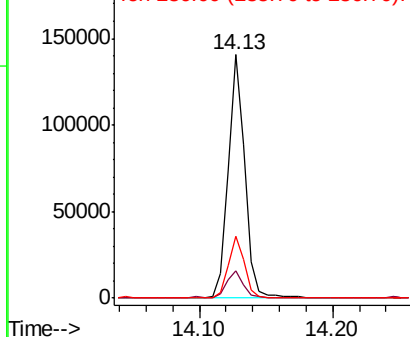
Lab File: BF110853.D

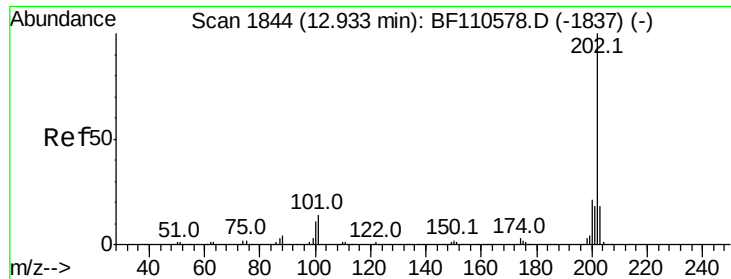
Acq: 19 Nov 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	123643		
120	11.1		8.3	12.5
236	25.3		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





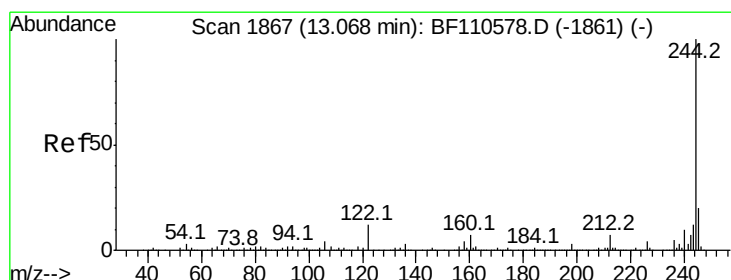
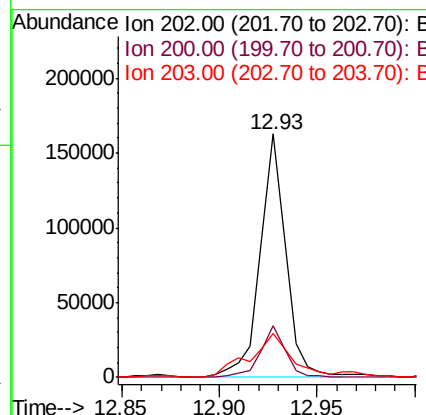
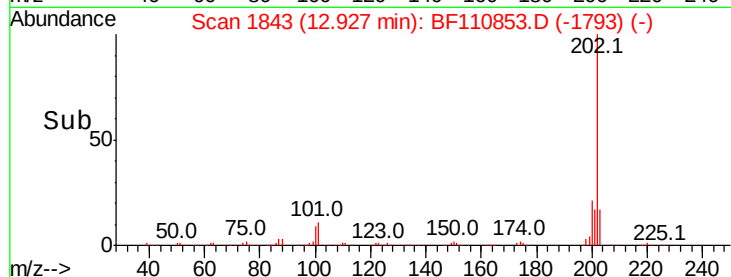
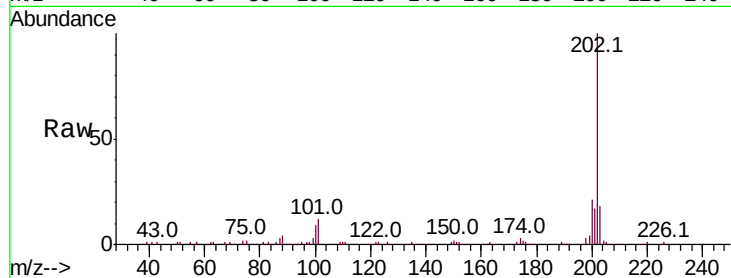
#78
Pvrene
Concen: 15.464 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :
DTW-01(6-10)

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.1	17.8	26.6	
203	18.1	14.2	21.4	

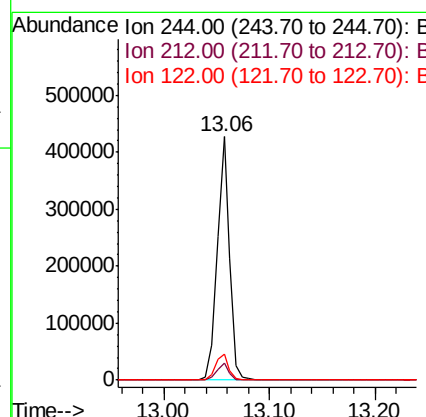
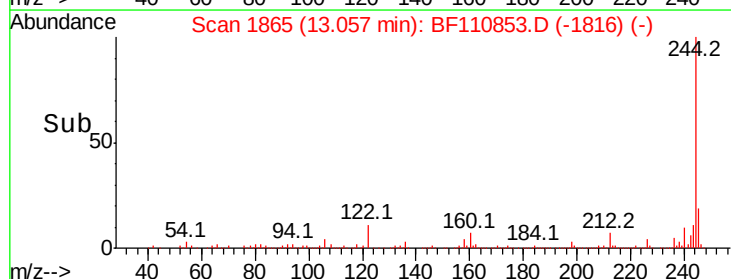
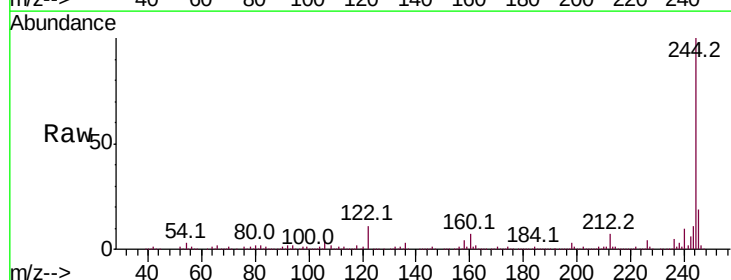
Manual Integrations
APPROVED

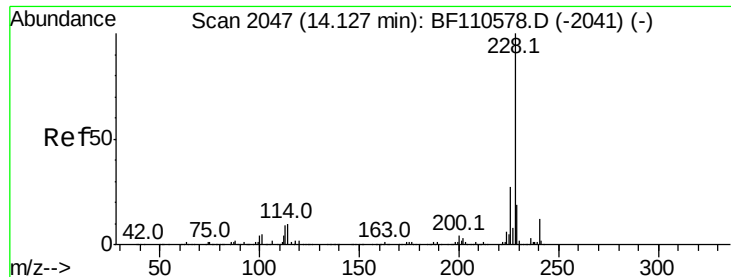
Sohil
11/20/2018 11:07:31 AM



#79
Terphenyl-d14
Concen: 53.578 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	5.8	8.8	
122	10.9	8.7	13.1	





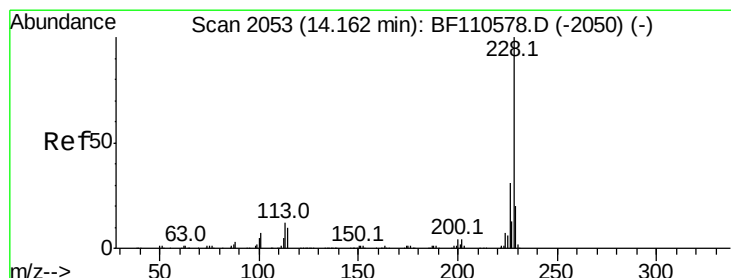
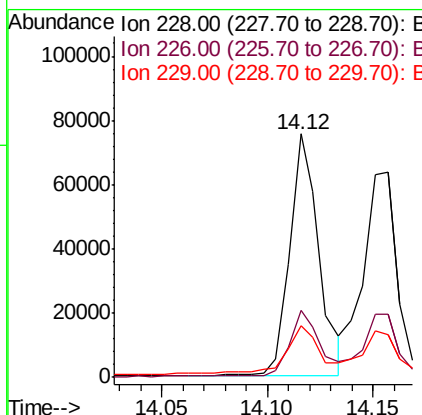
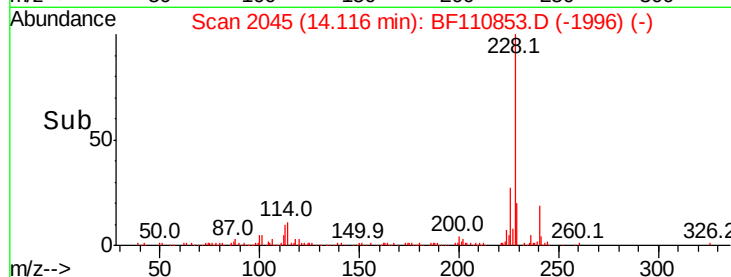
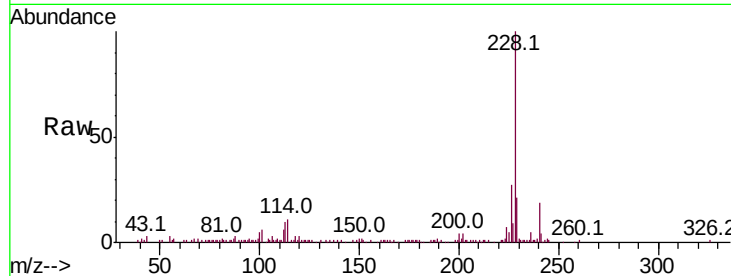
#81
Benzo(a)anthracene
Concen: 9.860 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :
DTW-01(6-10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	21.1	15.6	23.4

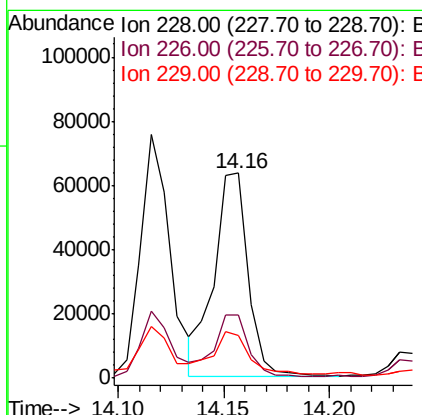
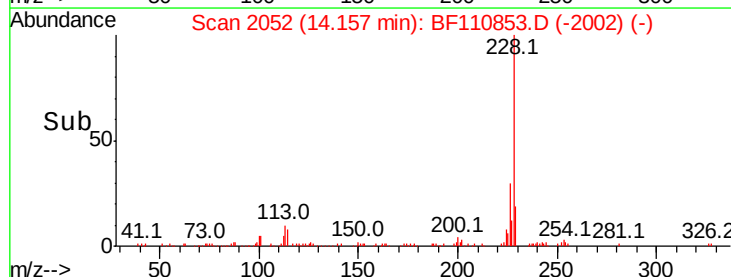
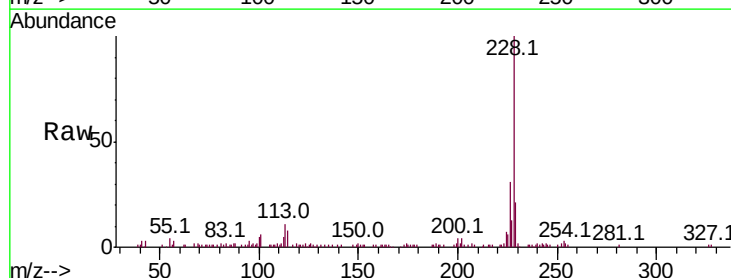
Manual Integrations
APPROVED

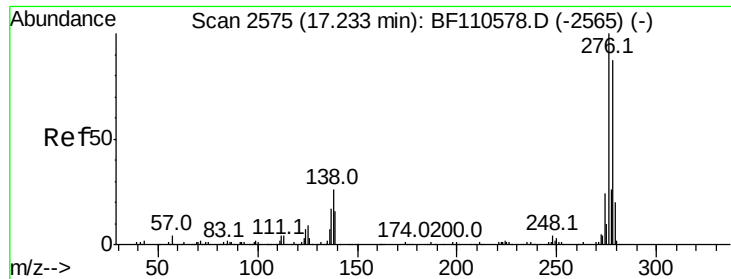
Sohil
11/20/2018 11:07:31 AM



#83
Chrysene
Concen: 10.167 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	20.7	15.9	23.9





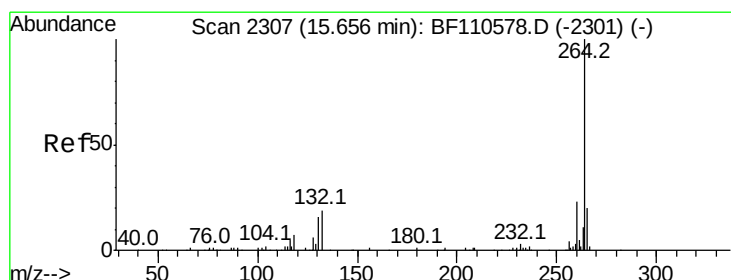
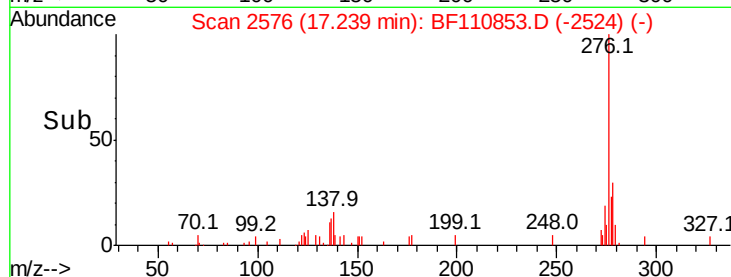
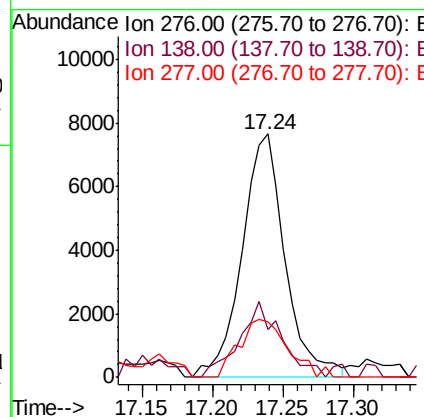
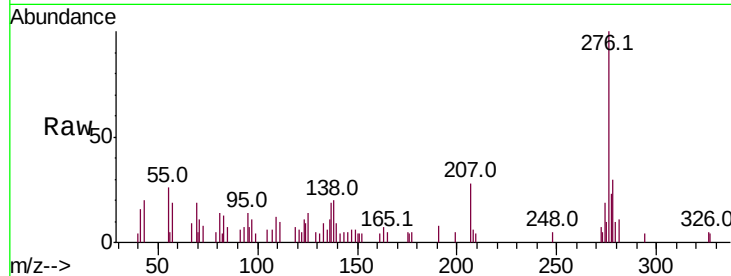
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.235 ng
RT: 17.24 min Scan# 2576
Delta R.T. 0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :
DTW-01(6-10)

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.4	18.5	27.7#
277	26.9	20.0	30.0

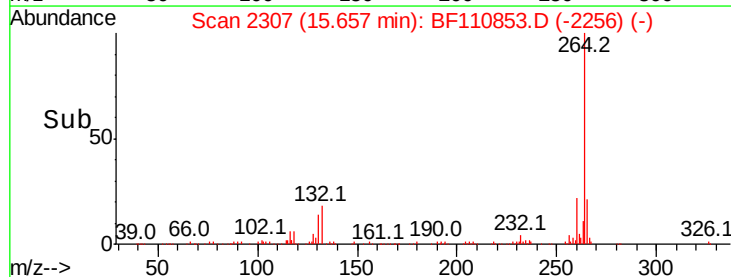
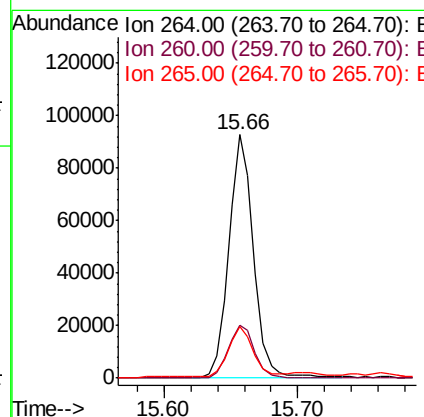
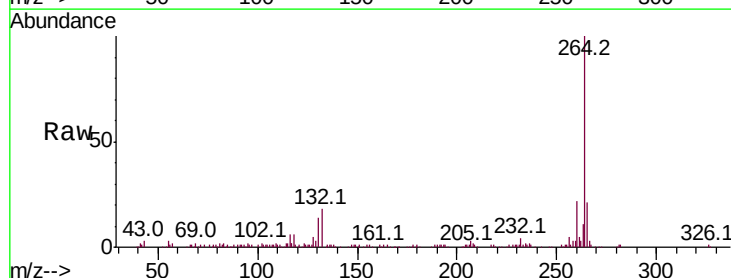
Manual Integrations
APPROVED

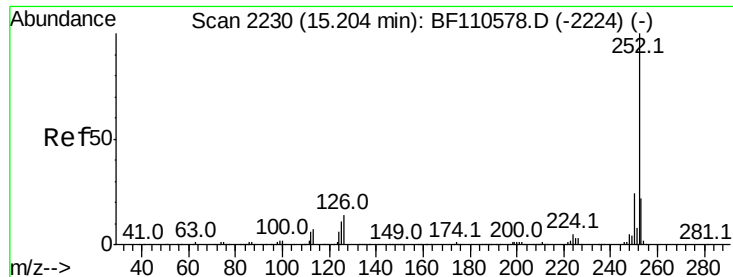
Sohil
11/20/2018 11:07:31 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.7	28.1
265	21.0	16.7	25.1





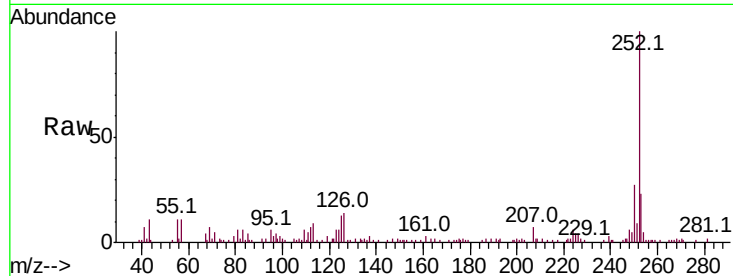
#88
Benzo(b)fluoranthene
Concen: 7.468 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :
DTW-01(6-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	13.1	8.2	12.4

Manual Integrations
APPROVED

Sohil
11/20/2018 11:07:31 AM

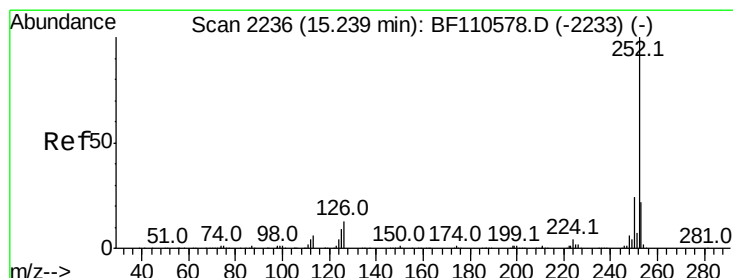
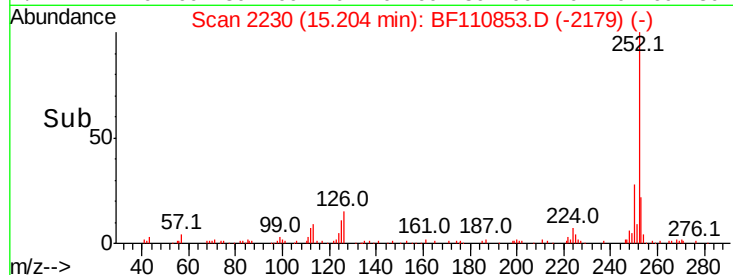
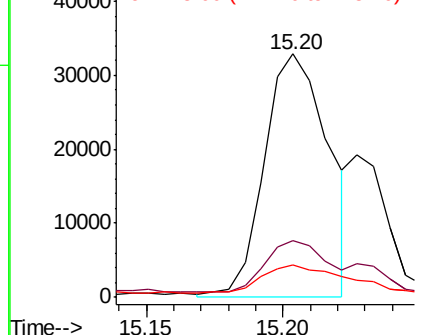


Abundance

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



#89
Benzo(k)fluoranthene
Concen: 2.647 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

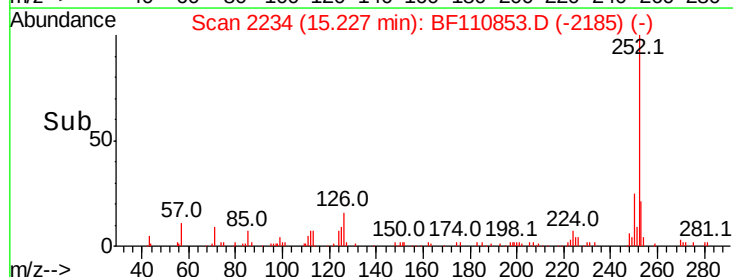
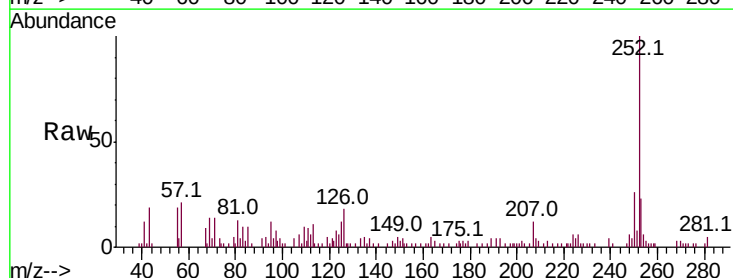
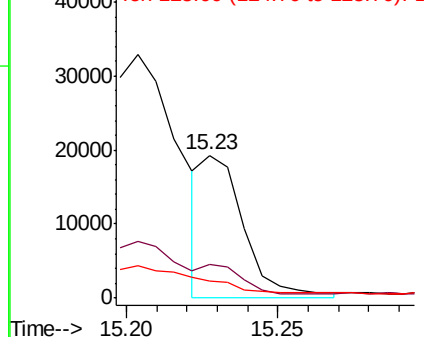
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	11.9	7.4	11.0

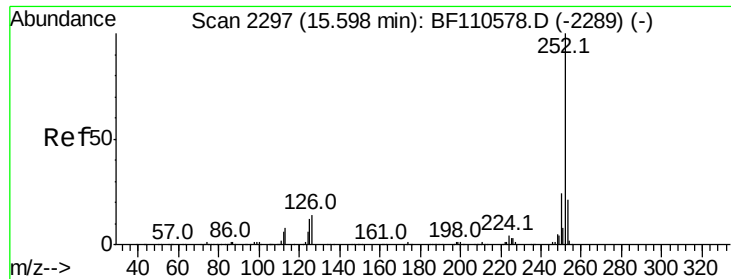
Abundance

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





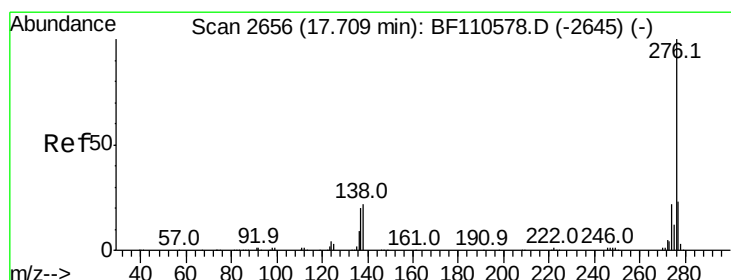
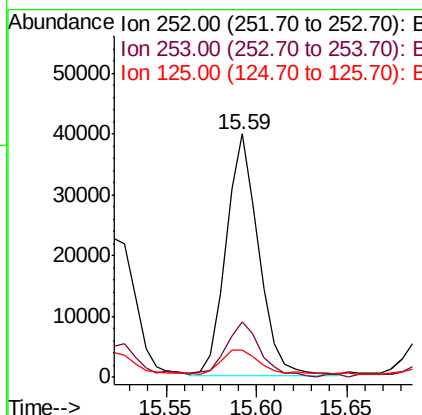
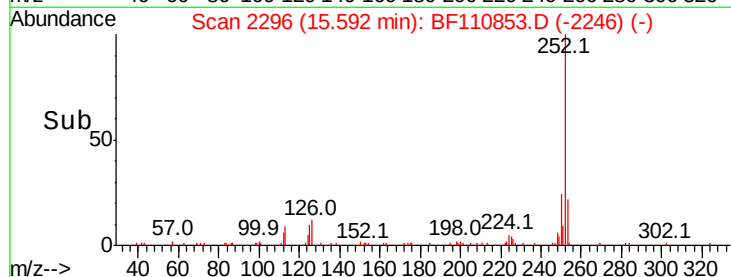
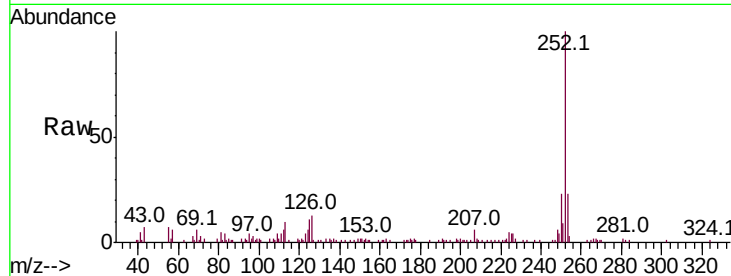
#90
Benzo(a)pyrene
Concen: 7.525 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :
DTW-01(6-10)

Tot Ion:	252	Resp:	49321
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.4
125	11.4	9.0	13.6

Manual Integrations
APPROVED

Sohil
11/20/2018 11:07:31 AM



#92
Benzo(g,h,i)perylene
Concen: 2.865 ng
RT: 17.72 min Scan# 2658
Delta R.T. 0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion:	276	Resp:	15766
Ion Ratio	Lower	Upper	
276	100		
277	26.5	18.8	28.2
138	25.5	16.0	24.0#

