

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110122.D
 Acq On : 24 Oct 2018 18:32
 Operator : JU/SJ
 Sample : J5198-23 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-B

Manual Integrations
 APPROVED

Sohil
 10/25/2018 11:15:19 AM

Quant Time: Oct 25 04:21:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	175165	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	661294	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	264406	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	418067	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	351624	20.00	ng	-0.01
87) Perylene-d12	15.69	264	255838	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	456731	42.46	ng	-0.02
7) Phenol-d6	6.58	99	559453	40.66	ng	-0.02
23) Nitrobenzene-d5	7.53	82	319257	28.63	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	86759	33.13	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	565895	33.61	ng	-0.02
79) Terphenyl-d14	13.09	244	427834	25.30	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.72	163	59492	3.048	ng	99
71) Phenanthrene	11.53	178	134235	6.136	ng	98
75) Fluoranthene	12.72	202	257650	11.605	ng	98
78) Pyrene	12.95	202	258597	10.258	ng	97
81) Benzo(a)anthracene	14.14	228	129650m	6.218	ng	
83) Chrysene	14.18	228	123228	6.222	ng	97
86) Indeno(1,2,3-cd)pyrene	17.25	276	49961	3.041	ng	97
88) Benzo(b)fluoranthene	15.23	252	134438m	9.100	ng	
89) Benzo(k)fluoranthene	15.26	252	43161m	2.972	ng	
90) Benzo(a)pyrene	15.62	252	89219	6.563	ng	# 96
92) Benzo(g,h,i)perylene	17.72	276	49139	4.251	ng	# 84

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

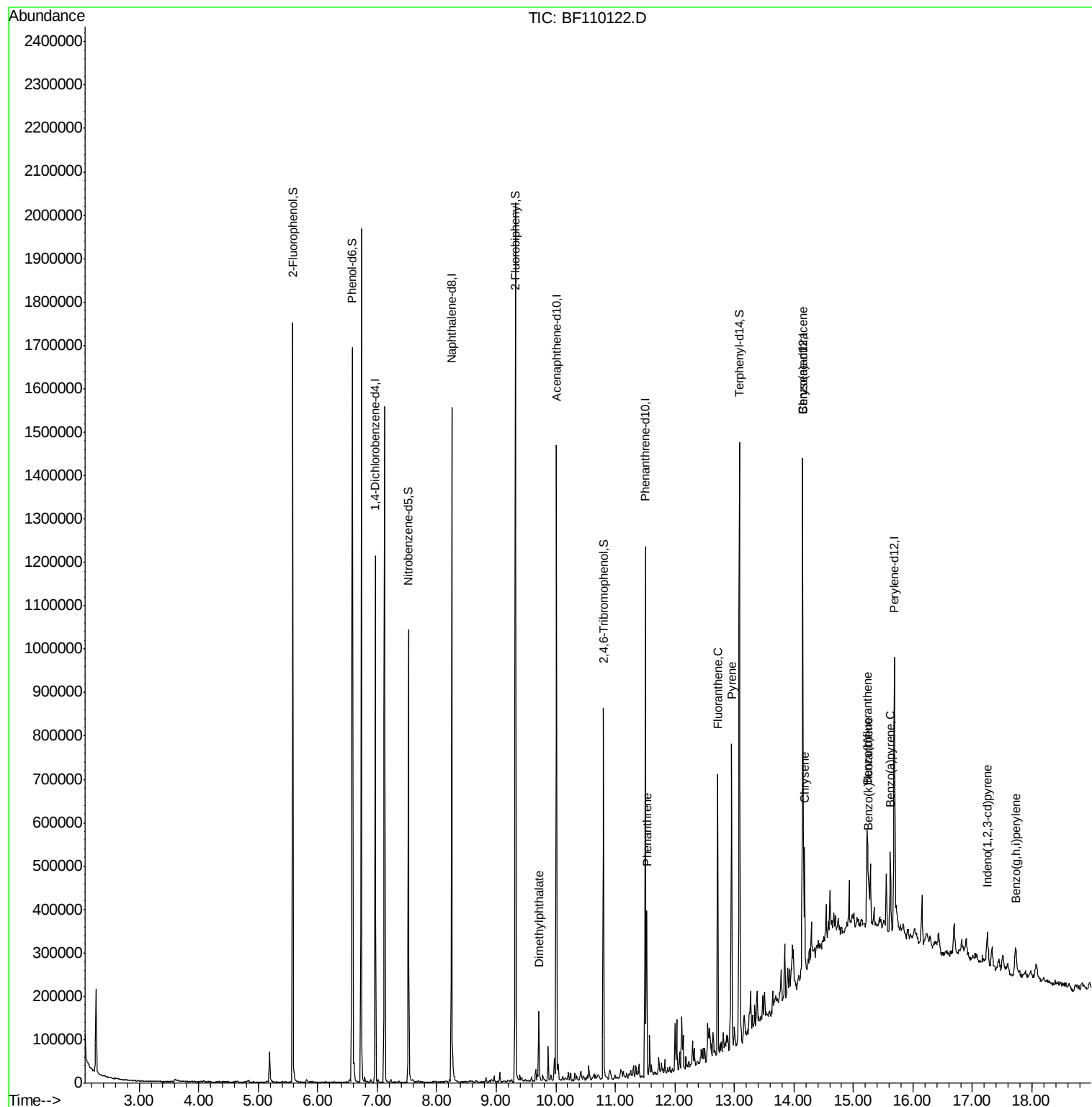
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

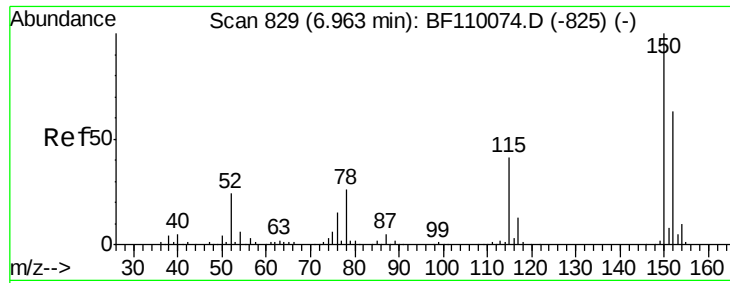
Instrument :
BNA_F
ClientSampleId :
CL-01-102318-B

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:19 AM

Quant Time: Oct 25 04:21:30 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration





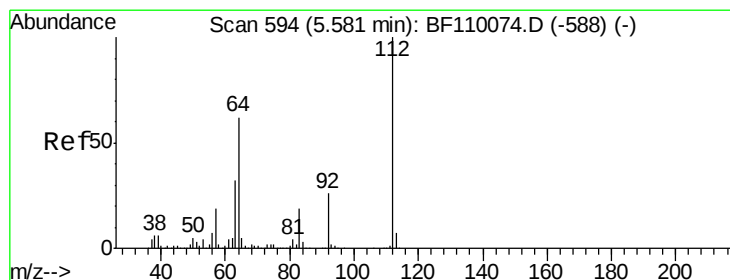
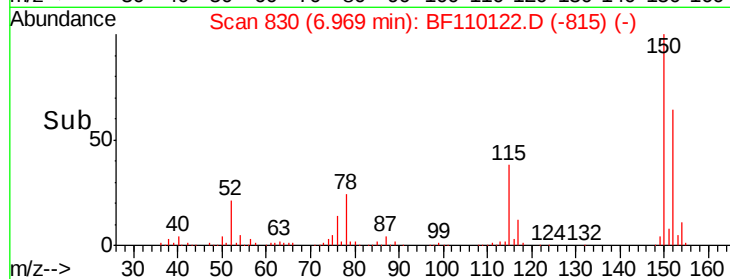
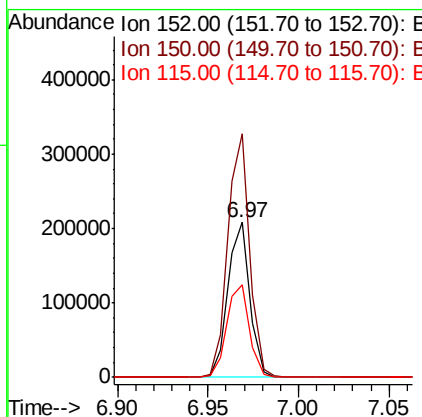
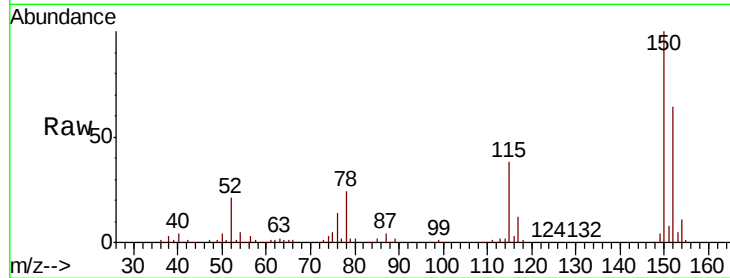
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF110122.D
 Acq: 24 Oct 2018 18:32

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	122.7	184.1
115	59.4	49.1	73.7

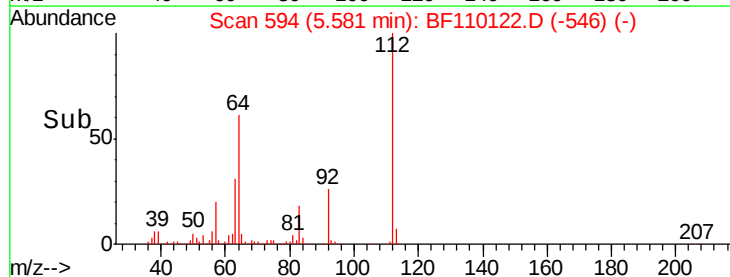
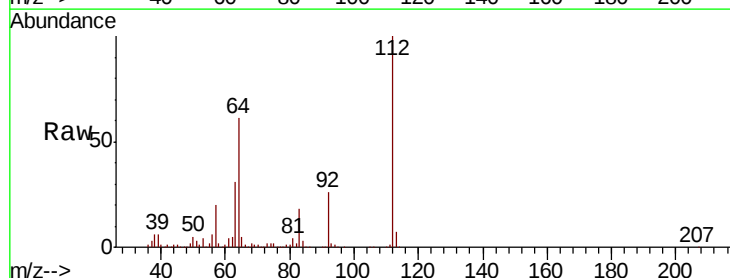
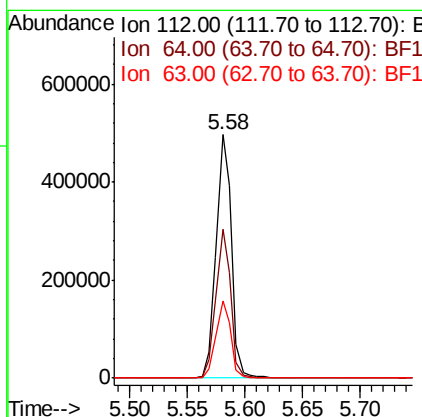
Manual Integrations
 APPROVED

Sohil
 10/25/2018 11:15:19 AM



#5
 2-Fluorophenol
 Concen: 42.461 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.02 min
 Lab File: BF110122.D
 Acq: 24 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	44.1	66.1
63	31.5	23.7	35.5





#7

Phenol-d6

Concen: 40.663 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Instrument :

BNA_F

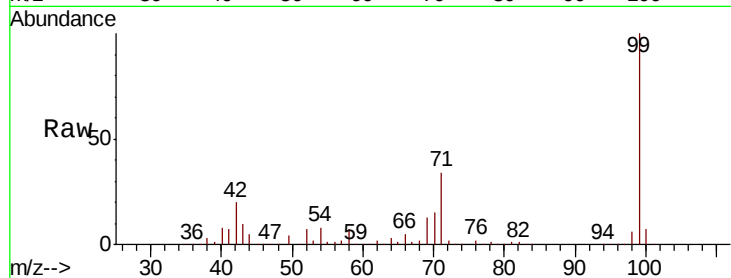
ClientSampleId :

CL-01-102318-B

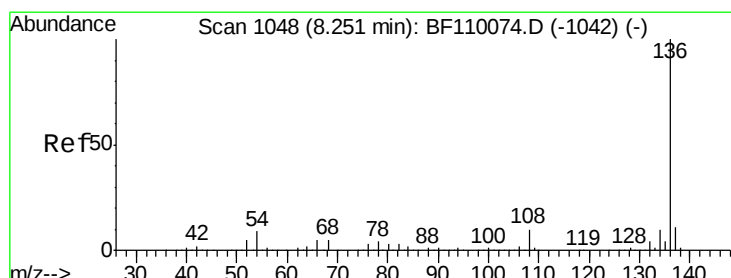
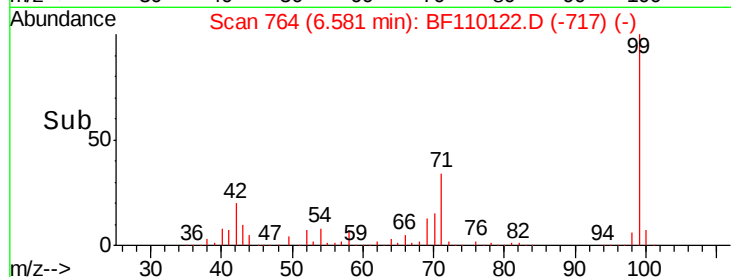
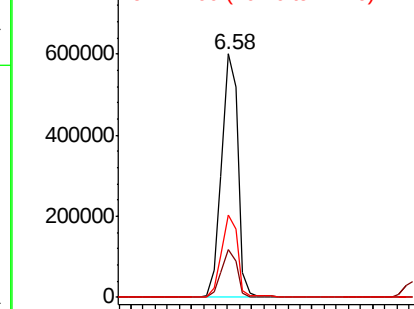
Tot Ion:	99	Resp:	559453
Ion Ratio	Lower	Upper	
99	100		
42	19.7	15.8	23.6
71	33.9	28.0	42.0

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:19 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

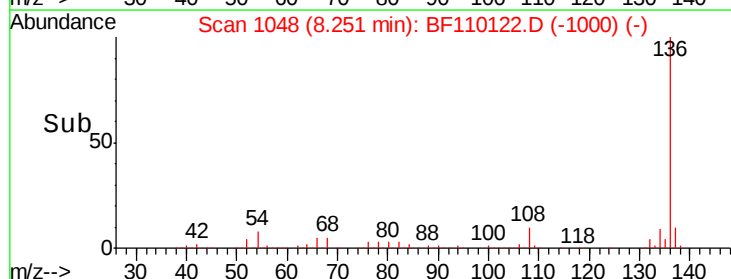
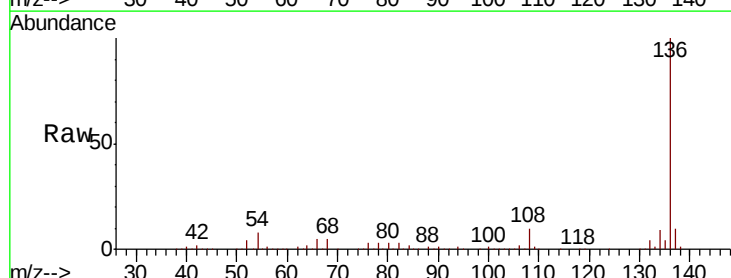
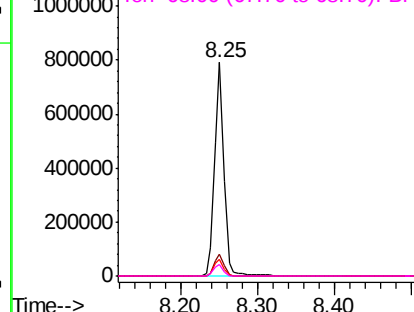
Delta R.T. -0.02 min

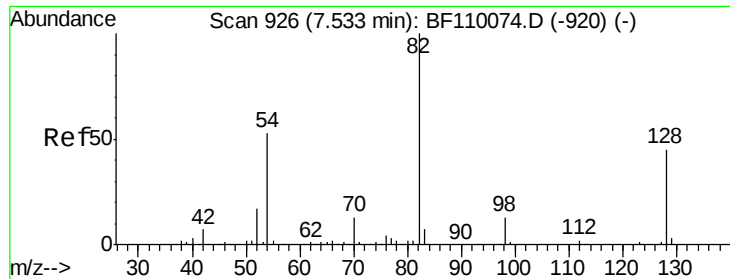
Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Tgt Ion:	136	Resp:	661294
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.8	13.2
54	7.7	5.4	8.2
68	5.4	4.2	6.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





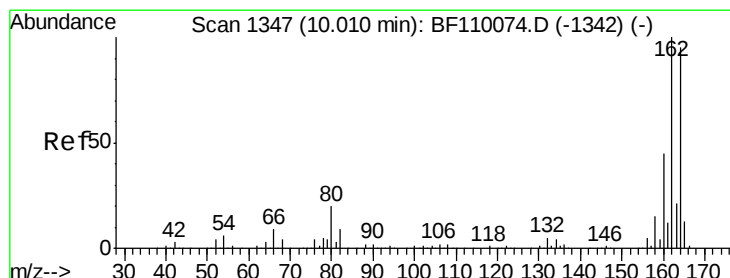
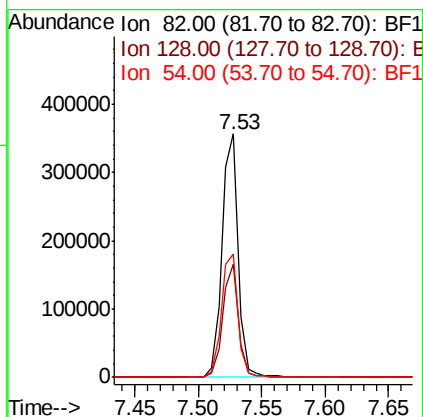
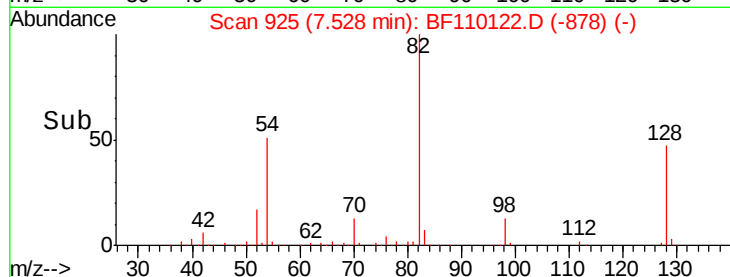
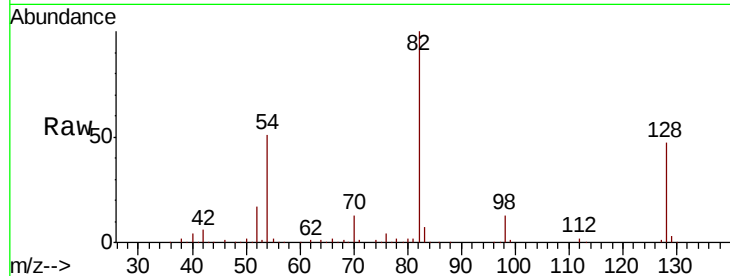
#23
Nitrobenzene-d5
Concen: 28.635 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-B

Tot Ion	82	Resp	319257
Ion Ratio	100	Lower	Upper
128	46.5	34.2	51.2
54	50.8	38.6	58.0

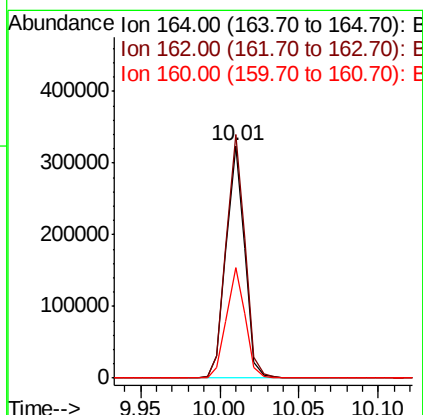
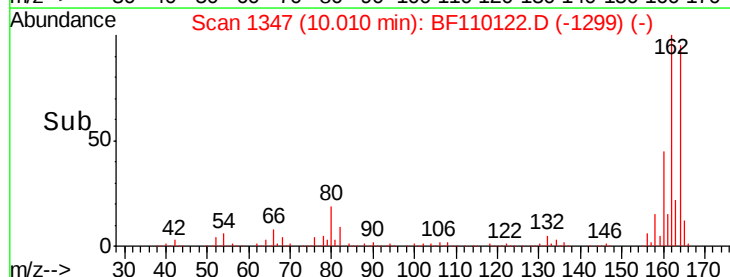
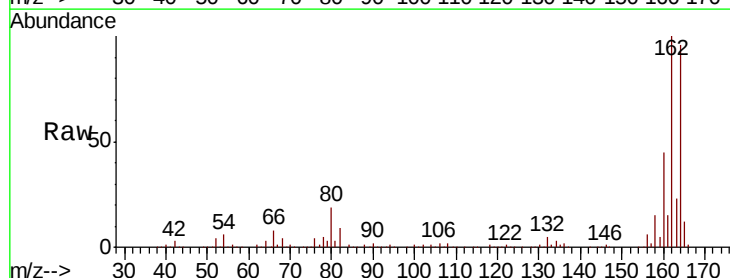
Manual Integrations
APPROVED

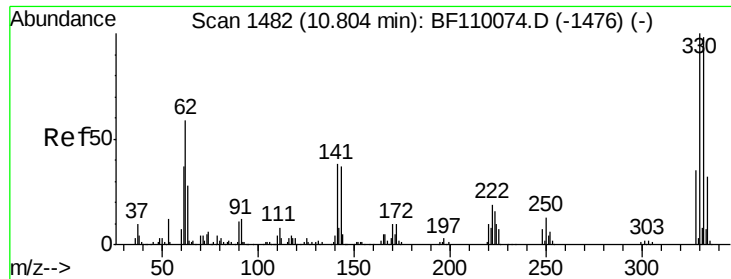
Sohil
10/25/2018 11:15:19 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Tgt Ion	164	Resp	264406
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	104.7	83.0	124.6
160	47.4	37.0	55.6





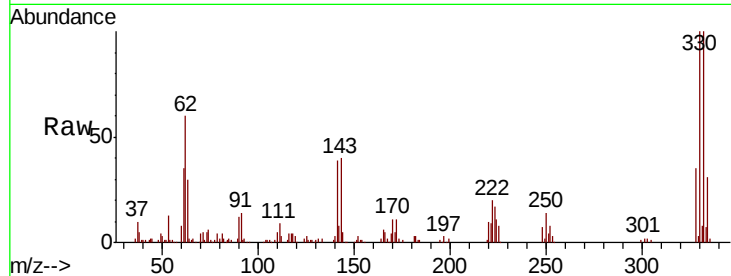
#42
 2,4,6-Tribromophenol
 Concen: 33.125 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110122.D
 Acq: 24 Oct 2018 18:32

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	86759		
332	95.6		77.1	115.7
141	38.2		27.0	40.4

Manual Integrations
 APPROVED

Sohil
 10/25/2018 11:15:19 AM

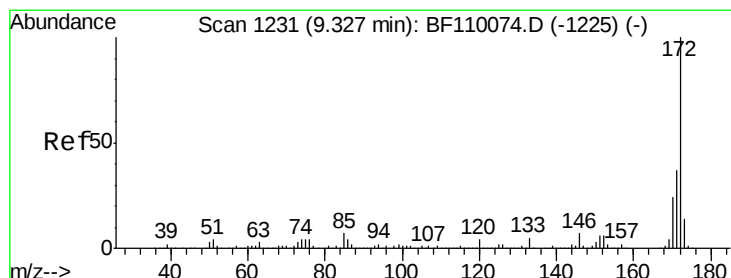
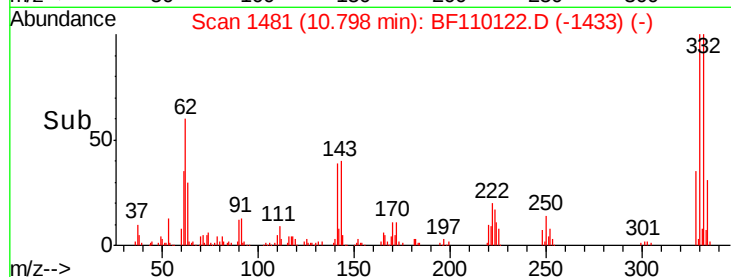
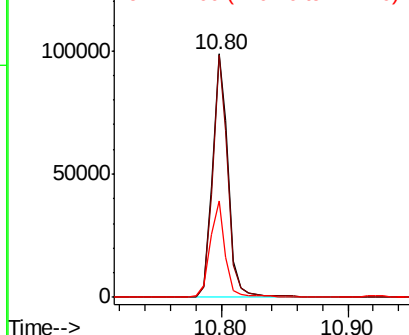


Abundance

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



#45
 2-Fluorobiphenyl
 Concen: 33.607 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110122.D
 Acq: 24 Oct 2018 18:32

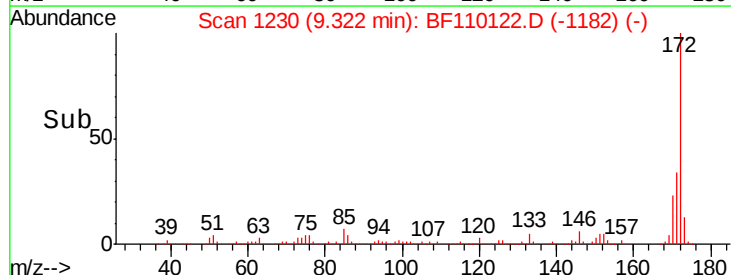
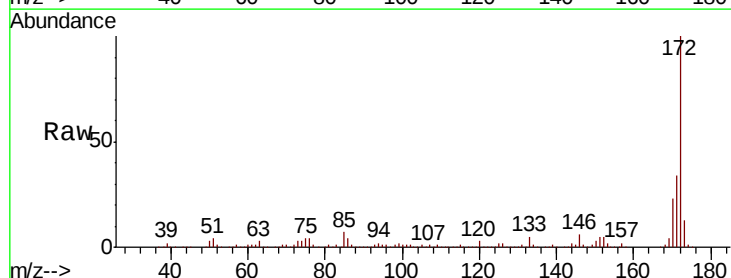
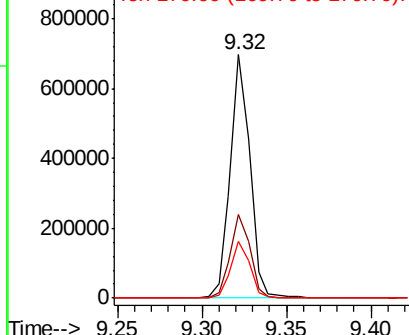
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	565895		
171	34.4		28.6	43.0
170	23.2		19.7	29.5

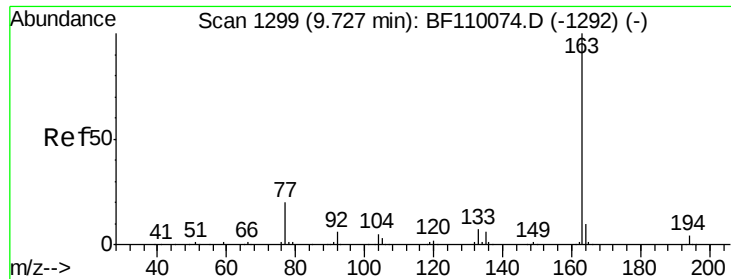
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.048 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Instrument :

BNA_F

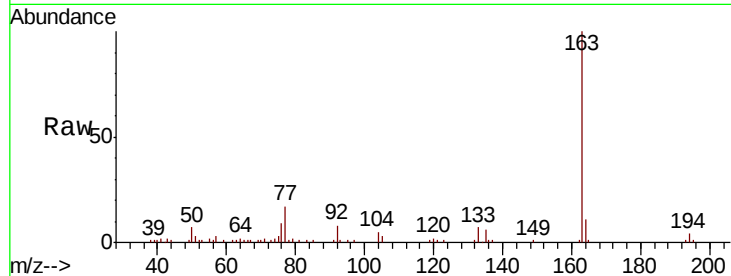
ClientSampleId :

CL-01-102318-B

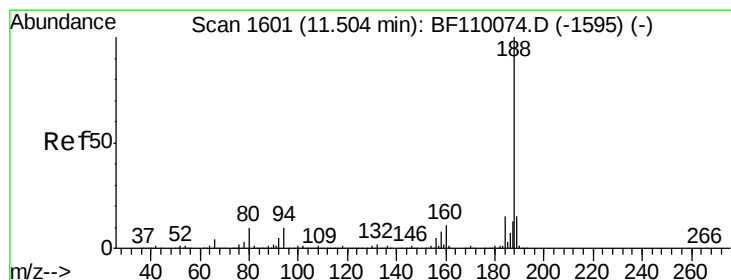
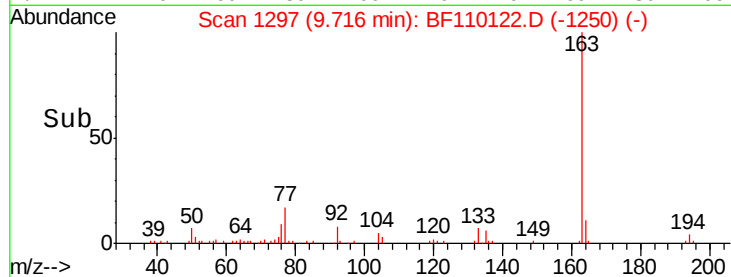
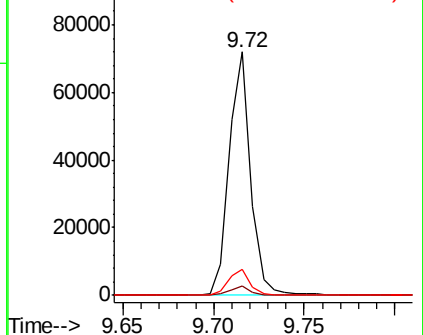
Tot Ion:	163	Resp:	59492
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.2	4.8
164	10.7	8.1	12.1

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:19 AM



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

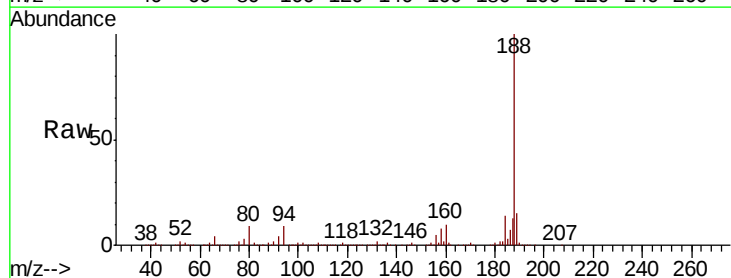
RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

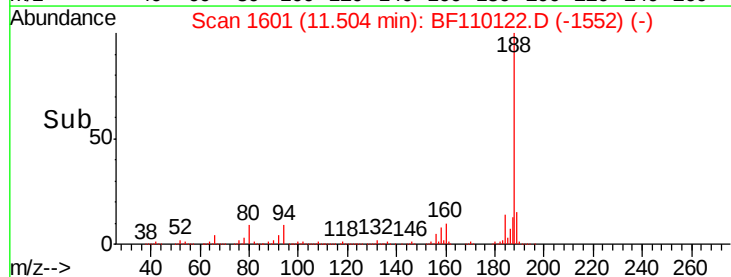
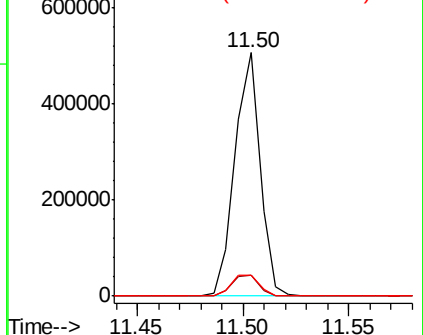
Lab File: BF110122.D

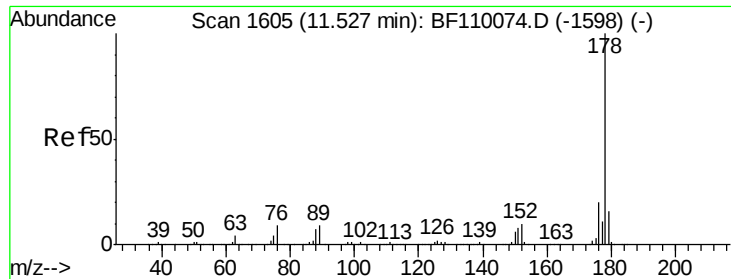
Acq: 24 Oct 2018 18:32

Tgt Ion:	188	Resp:	418067
Ion Ratio	Lower	Upper	
188	100		
94	8.7	7.2	10.8
80	8.7	7.9	11.9



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





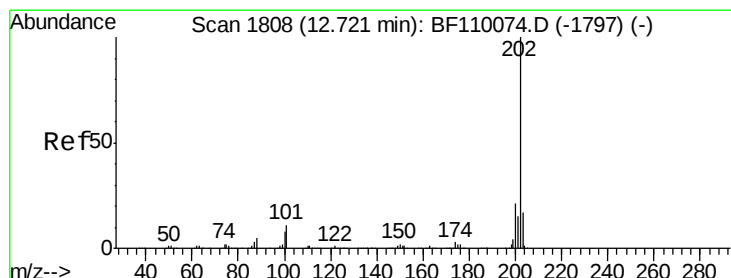
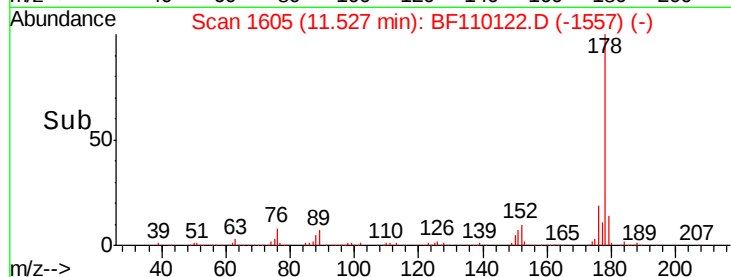
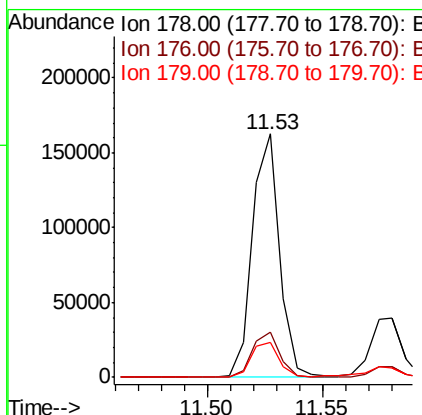
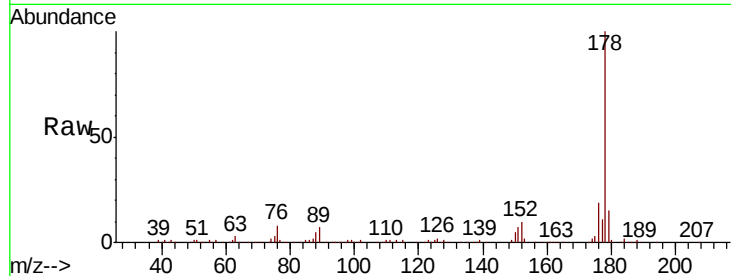
#71
Phenanthrene
Concen: 6.136 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	14.5	12.5	18.7

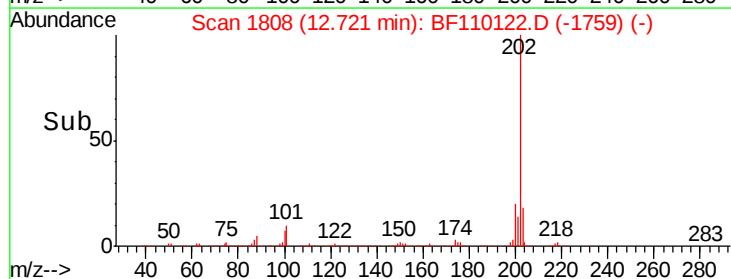
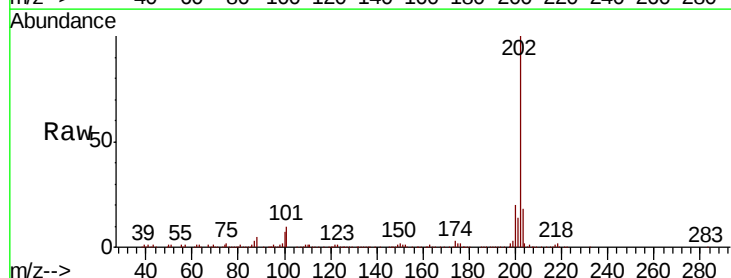
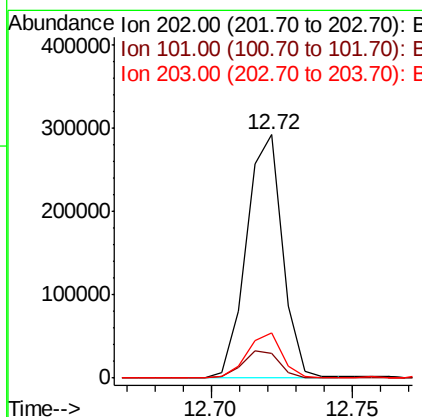
Manual Integrations
APPROVED

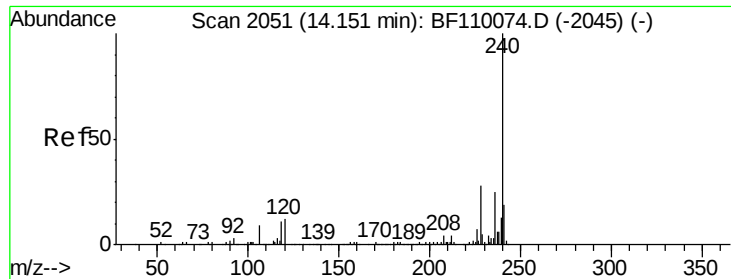
Sohil
10/25/2018 11:15:19 AM



#75
Fluoranthene
Concen: 11.605 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.4
203	18.4	0.0	37.7





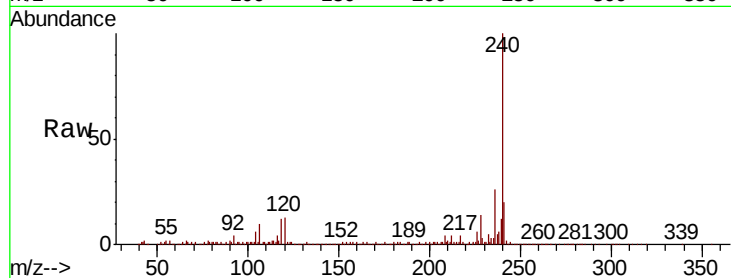
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.3	12.5#
236	25.8	21.2	31.8

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:19 AM

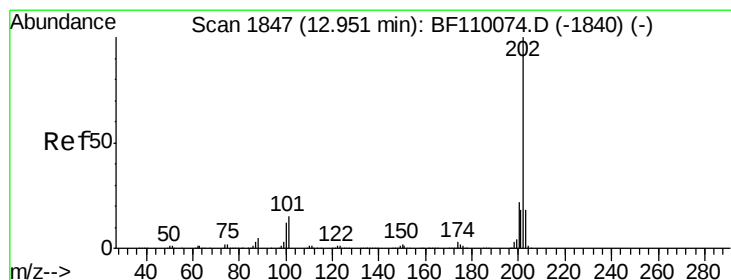
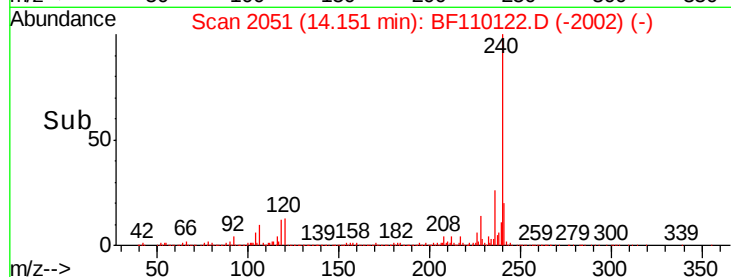
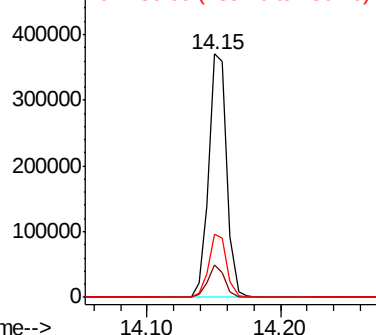


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 10.258 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

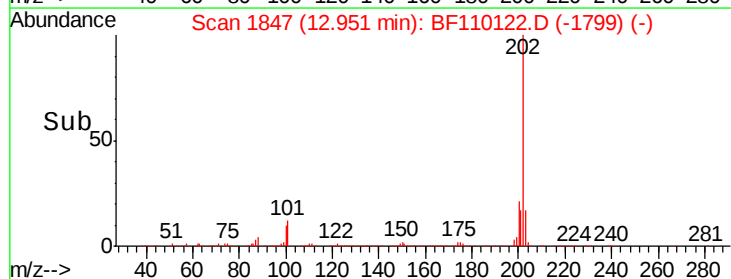
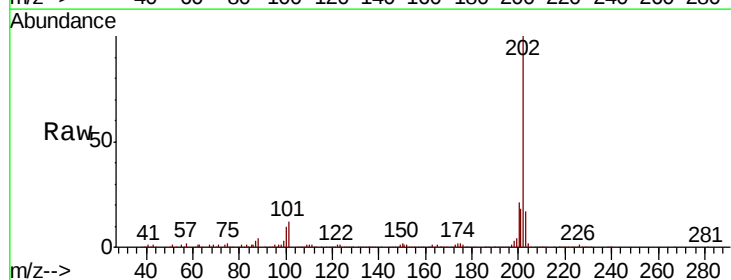
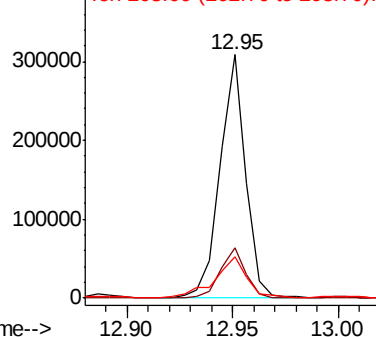
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.6
203	16.9	14.2	21.4

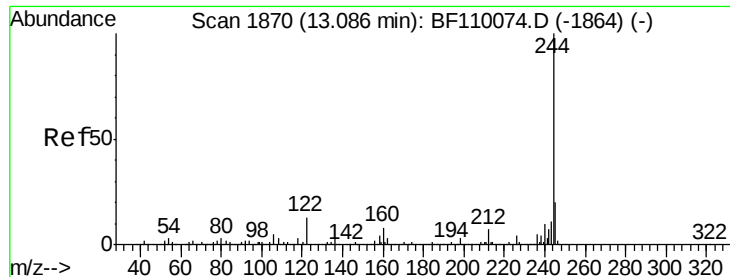
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 25.305 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Instrument :

BNA_F

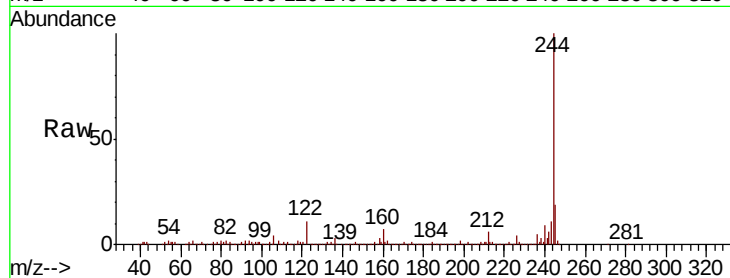
ClientSampleId :

CL-01-102318-B

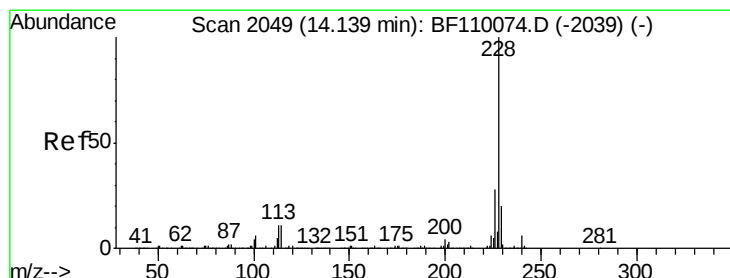
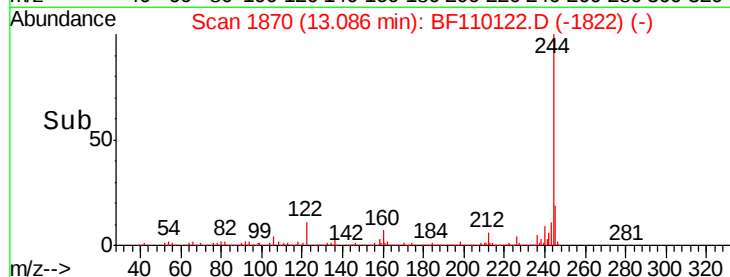
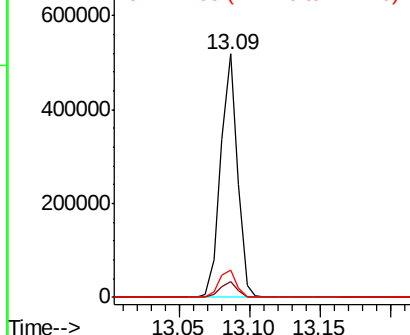
Tot Ion:	244	Resp:	427834
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.8	8.8
122	11.1	8.7	13.1

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:19 AM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.218 ng m

RT: 14.14 min Scan# 2050

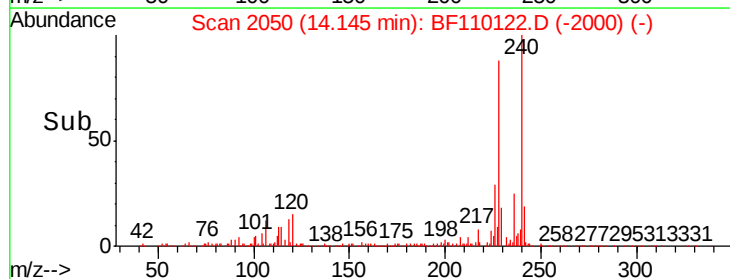
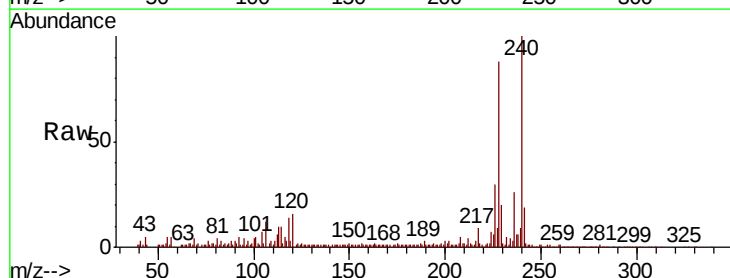
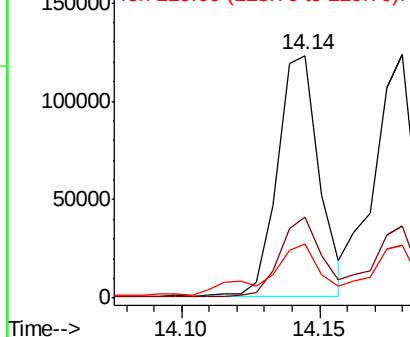
Delta R.T. -0.01 min

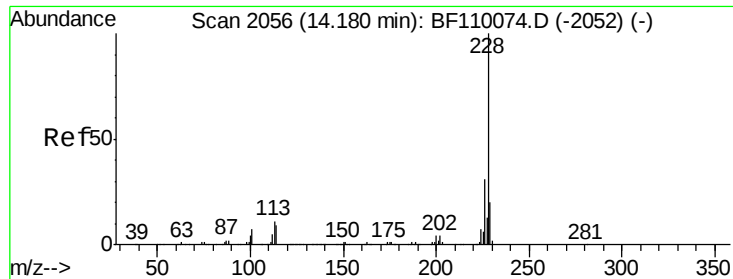
Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Tgt Ion:	228	Resp:	129650
Ion Ratio		Lower	Upper
228	100		
226	33.7	22.1	33.1#
229	22.4	15.6	23.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





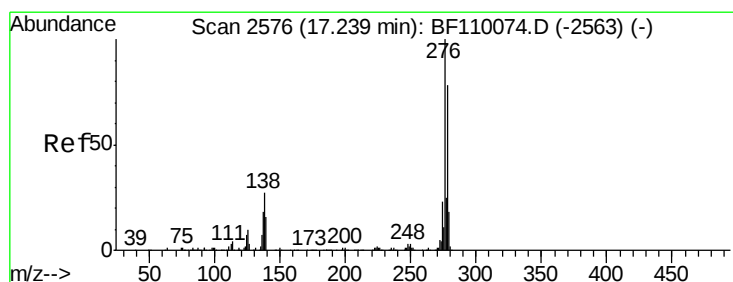
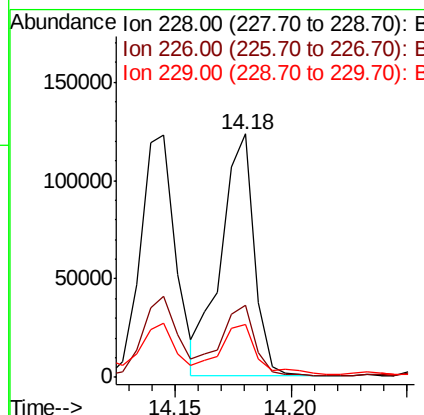
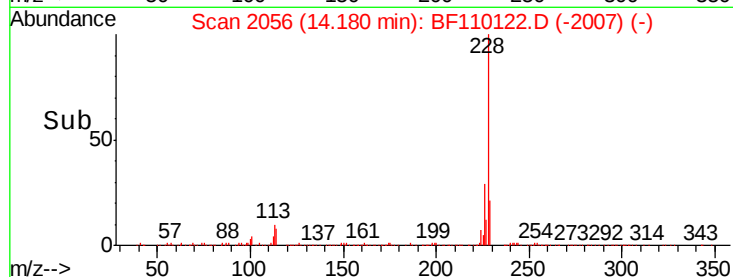
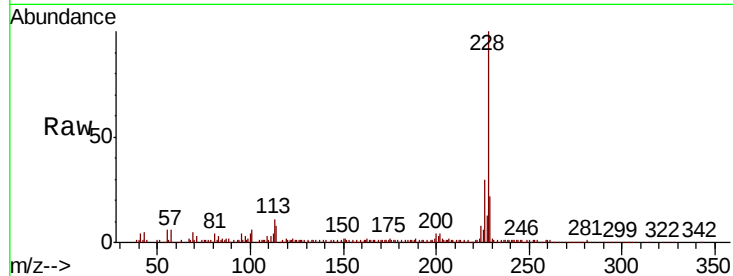
#83
Chrysene
Concen: 6.222 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.7	37.1
229	21.5	15.9	23.9

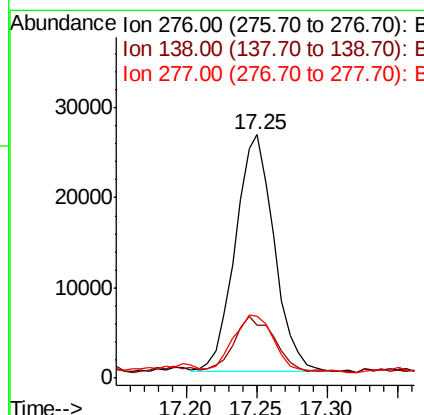
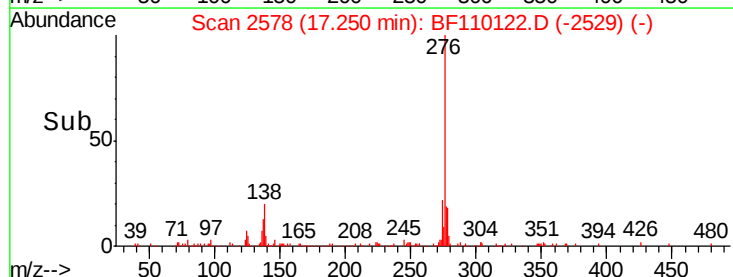
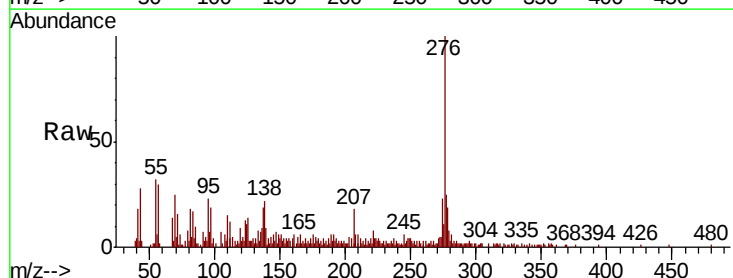
Manual Integrations
APPROVED

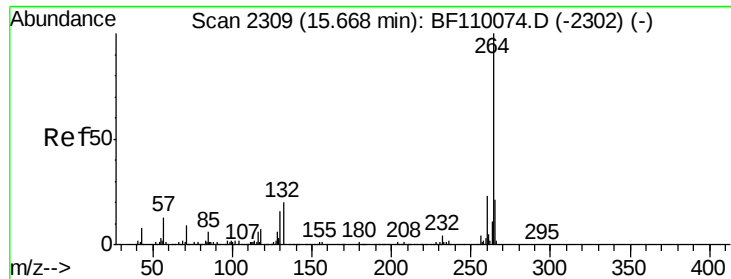
Sohil
10/25/2018 11:15:19 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.041 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	18.5	27.7
277	25.4	20.0	30.0





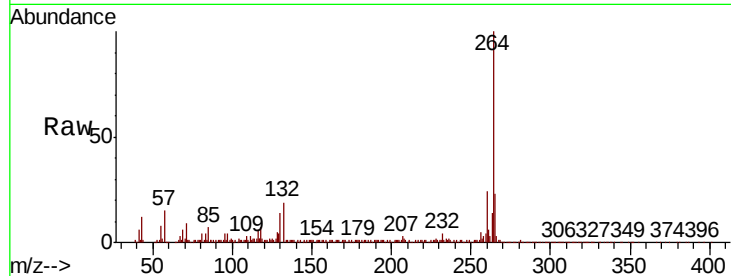
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.5	16.7	25.1

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:19 AM

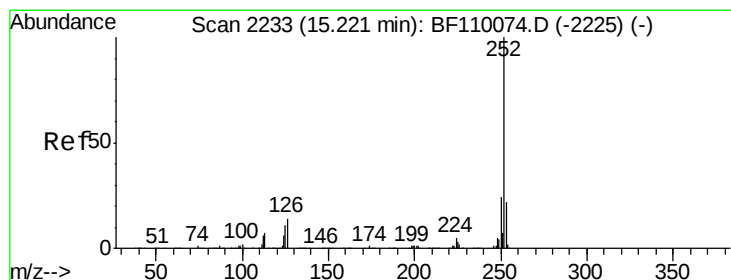
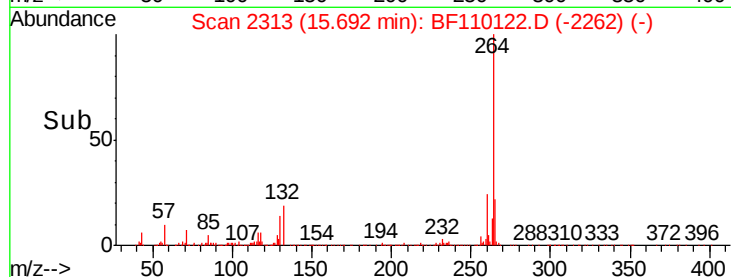
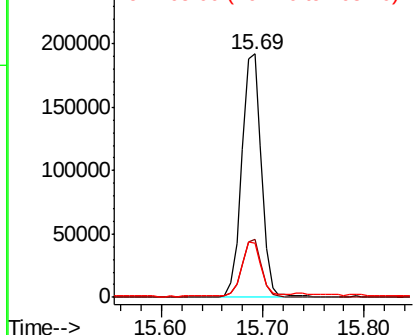


Abundance

Ion 264.00 (263.70 to 264.70): E

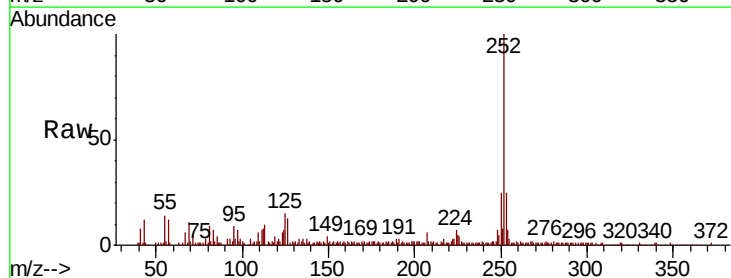
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 9.100 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	15.1	8.2	12.4#

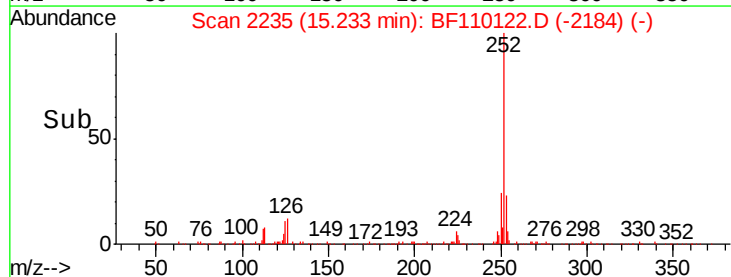
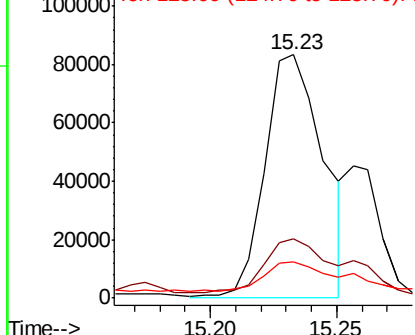


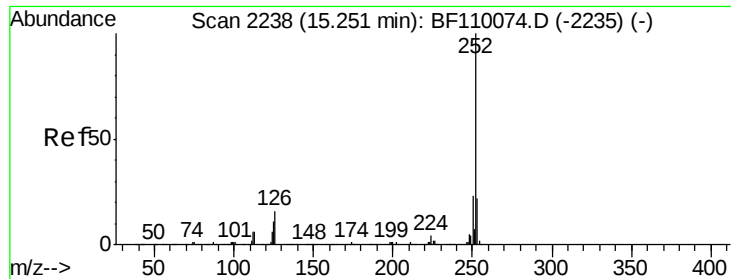
Abundance

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





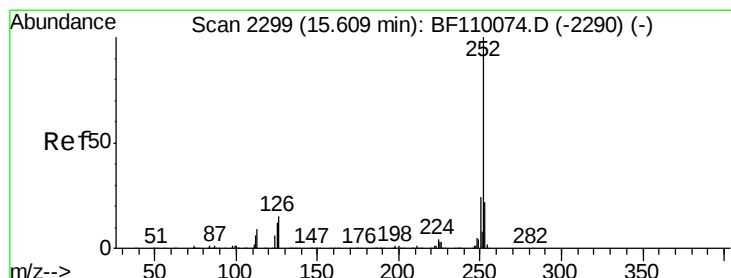
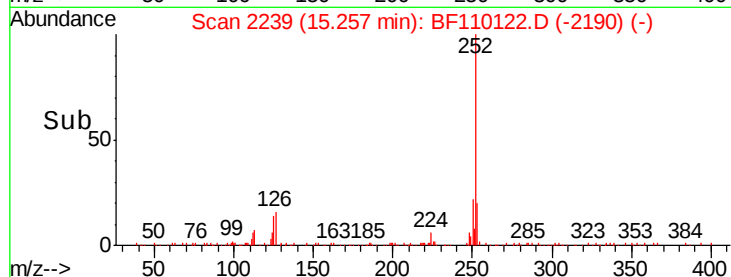
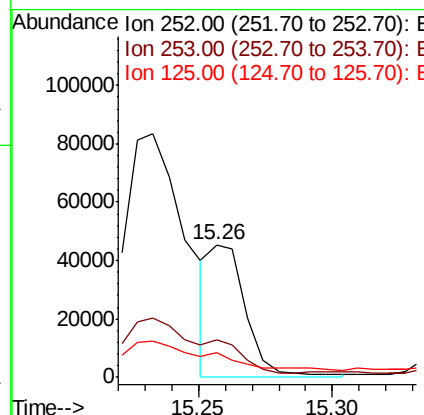
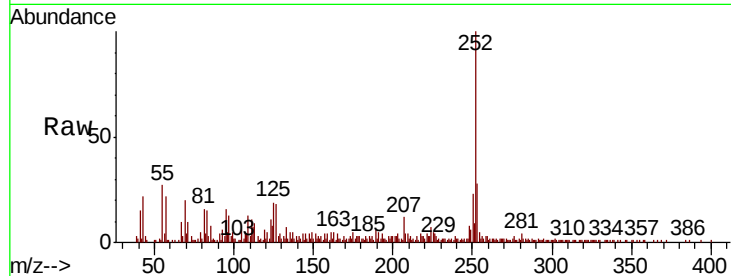
#89
Benzo(k)fluoranthene
Concen: 2.972 ng/mL
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Instrument :
BNA_F
ClientSampleID :
CL-01-102318-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.2	25.8
125	18.8	7.4	11.0

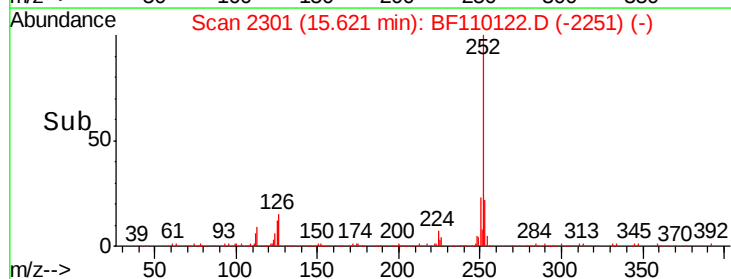
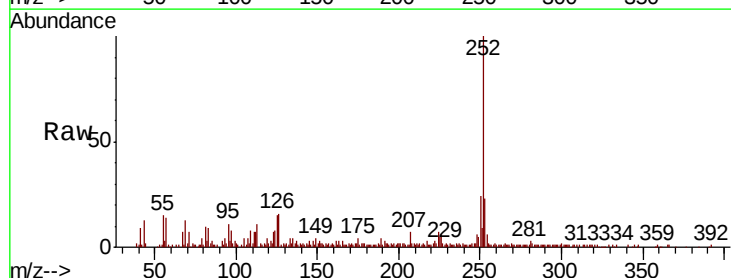
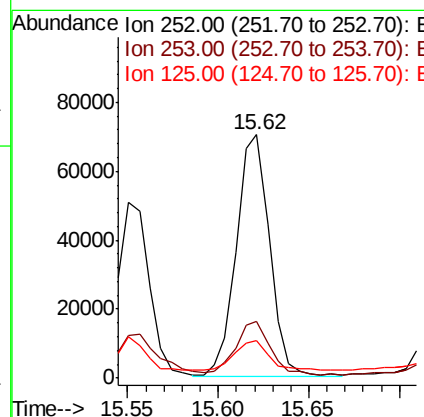
Manual Integrations
APPROVED

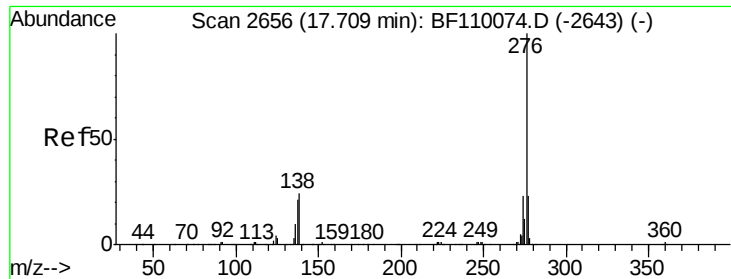
Sohil
10/25/2018 11:15:19 AM



#90
Benzo(a)pyrene
Concen: 6.563 ng/mL
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	15.3	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 4.251 ng
 RT: 17.72 min Scan# 2658
 Delta R.T. -0.02 min
 Lab File: BF110122.D
 Acq: 24 Oct 2018 18:32

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-B

Tot Ion:	276	Resp:	49139
Ion Ratio	Lower	Upper	
276	100		
277	32.0	18.8	28.2#
138	26.2	16.0	24.0#

Manual Integrations
 APPROVED

Sohil
 10/25/2018 11:15:19 AM

