

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132981.D
 Acq On : 21 Apr 2023 21:34
 Operator : CG\JU
 Sample : 02389-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-1WC-23-04-17

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/24/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

Quant Time: Apr 22 04:31:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	197954	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	763023	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	340189	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	496826	20.000	ng	0.00
76) Chrysene-d12	13.916	240	311313	20.000	ng	0.00
86) Perylene-d12	15.351	264	283799	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1391583	106.193	ng	0.02
7) Phenol-d6	6.387	99	1712908	105.312	ng	0.00
23) Nitrobenzene-d5	7.316	82	1035948	73.284	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	310319	90.703	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	1653615	81.322	ng	0.00
79) Terphenyl-d14	12.863	244	1314881	72.844	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.816	154	44861	2.123	ng	98
66) n-Nitrosodiphenylamine	10.445	169	44100	2.736	ng	97
71) Phenanthrene	11.292	178	596547	22.340	ng	99
72) Anthracene	11.339	178	160100	5.859	ng	98
73) Carbazole	11.492	167	80191	3.296	ng	# 94
75) Fluoranthene	12.486	202	1054251	39.339	ng	98
78) Pyrene	12.716	202	978909	36.682	ng	99
80) Butylbenzylphthalate	13.339	149	34498	3.651	ng	# 75
81) Benzo(a)anthracene	13.904	228	498252	23.274	ng	97
83) Chrysene	13.939	228	529376	24.734	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	199454	16.817	ng	99
87) Indeno(1,2,3-cd)pyrene	16.745	276	254690	15.777	ng	94
88) Benzo(b)fluoranthene	14.939	252	613462m	33.977	ng	
89) Benzo(k)fluoranthene	14.963	252	212293m	11.862	ng	
90) Benzo(a)pyrene	15.292	252	395542	24.069	ng	# 93
91) Dibenzo(a,h)anthracene	16.762	278	67717	5.029	ng	# 50
92) Benzo(g,h,i)perylene	17.162	276	242500	18.243	ng	99

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

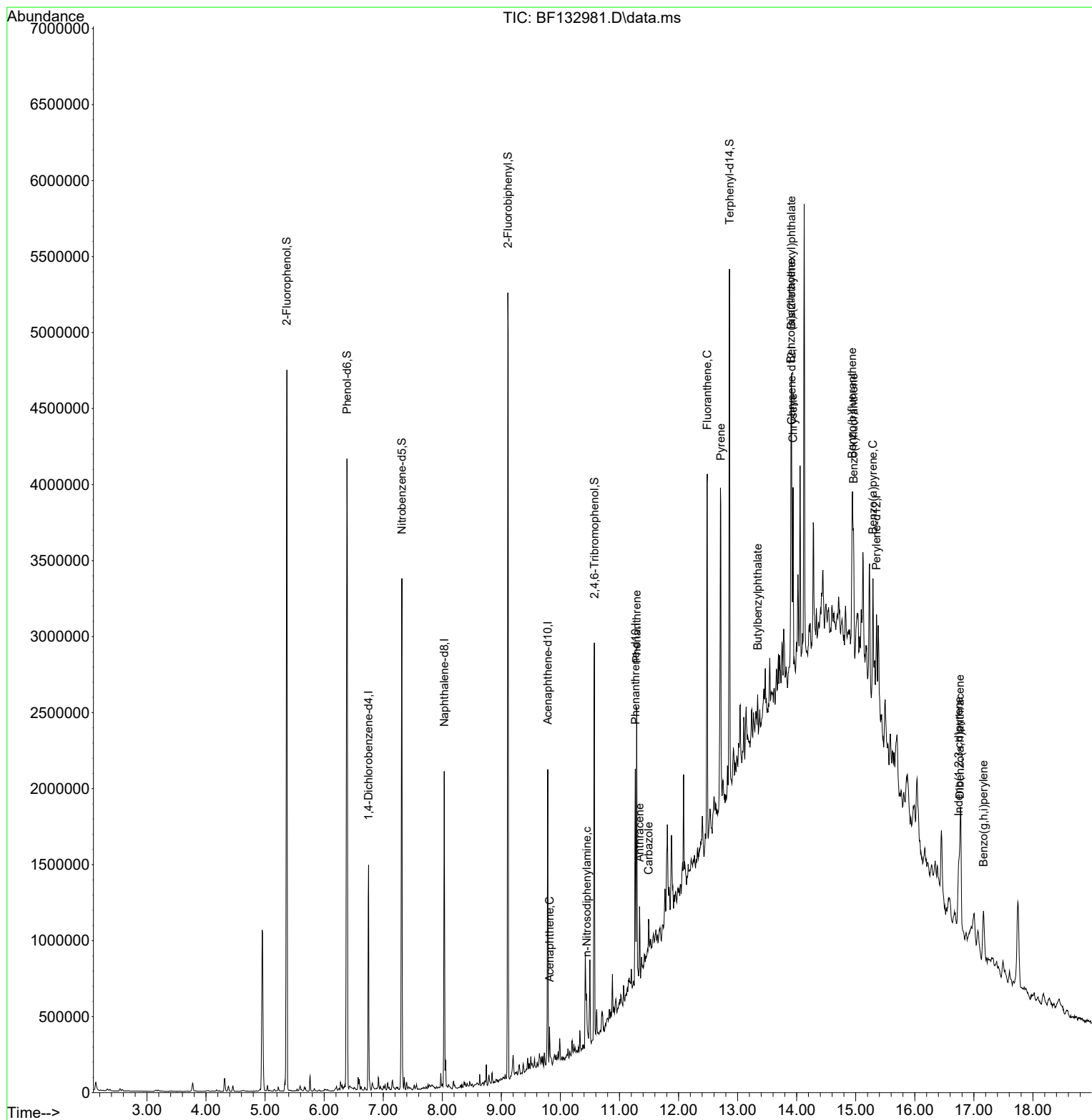
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
Data File : BF132981.D
Acq On : 21 Apr 2023 21:34
Operator : CG\JU
Sample : 02389-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

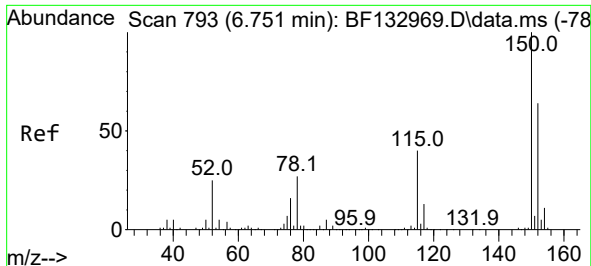
Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17

Quant Time: Apr 22 04:31:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 22 03:30:56 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

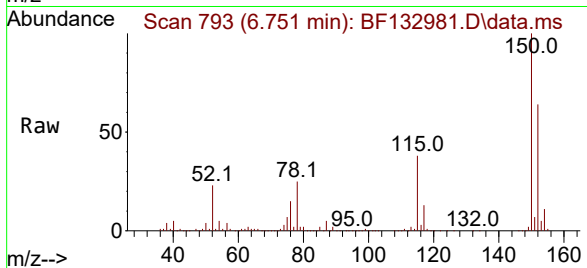
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

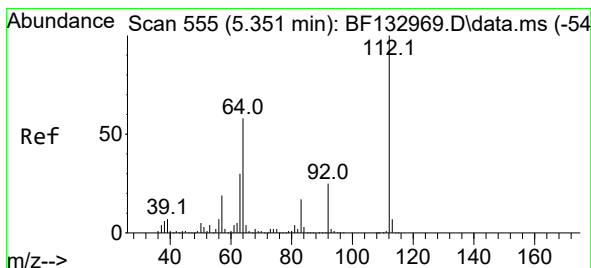
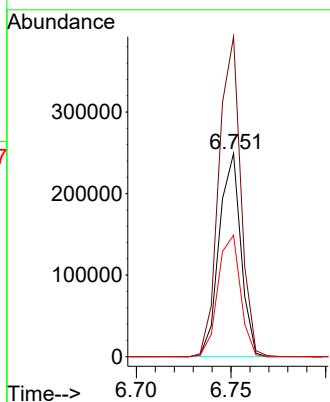
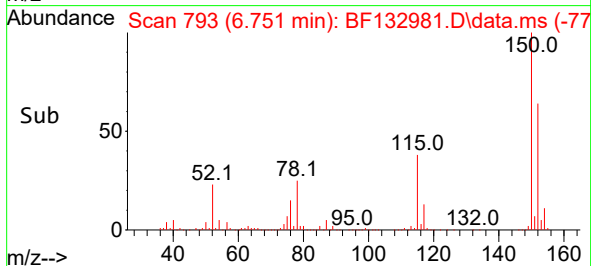
Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17



Tgt Ion:152 Resp: 197954
Ion Ratio Lower Upper
152 100
150 157.4 124.8 187.2
115 59.8 49.9 74.9

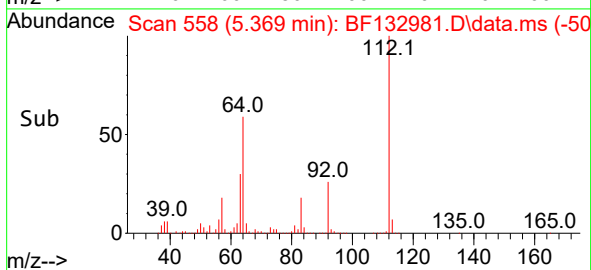
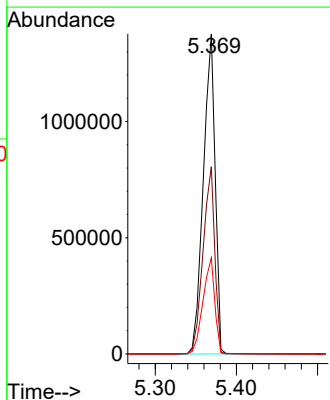
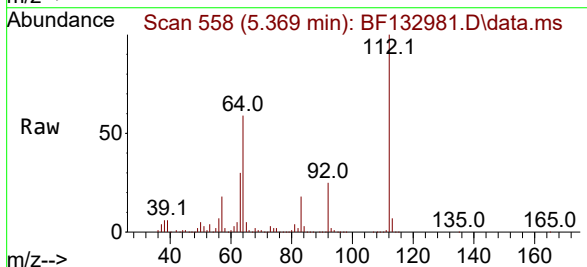
Manual Integrations
APPROVED

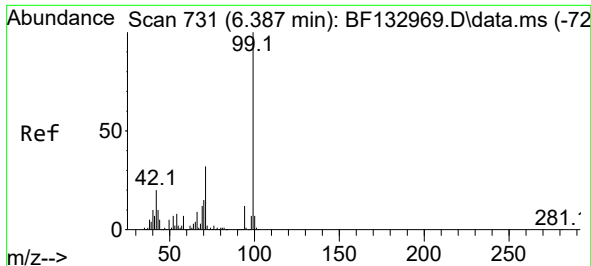
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#5
2-Fluorophenol
Concen: 106.193 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.018 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

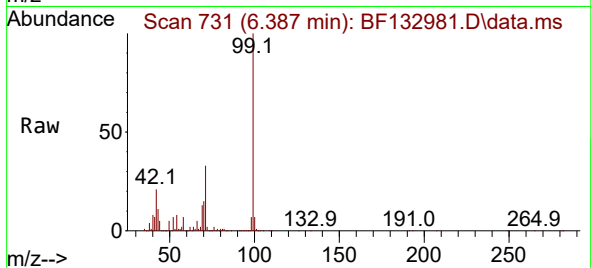
Tgt Ion:112 Resp: 1391583
Ion Ratio Lower Upper
112 100
64 58.5 46.8 70.2
63 30.1 23.8 35.8





#7
Phenol-d6
Concen: 105.312 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

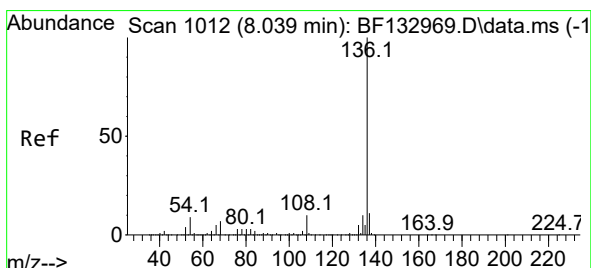
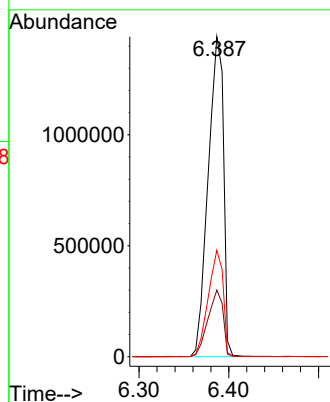
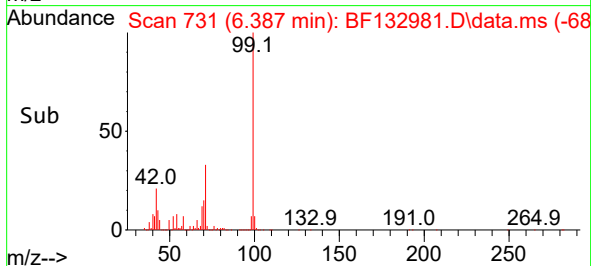
Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17



Tgt Ion: 99 Resp: 1712908
Ion Ratio Lower Upper
99 100
42 20.8 16.3 24.5
71 33.3 25.6 38.4

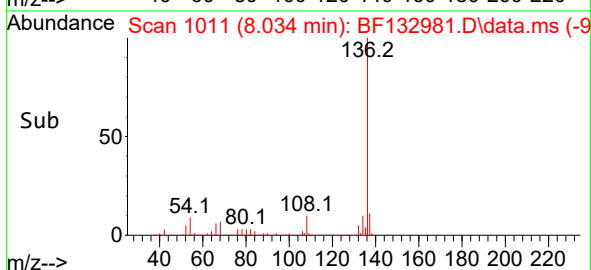
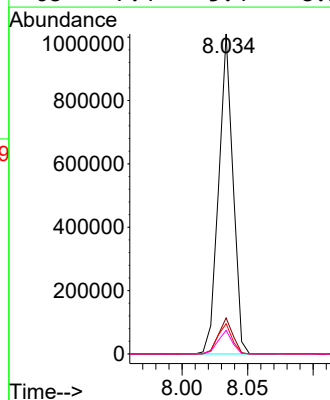
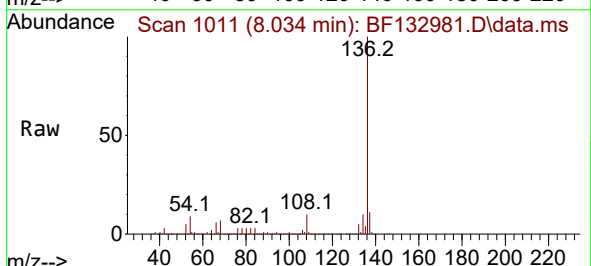
Manual Integrations
APPROVED

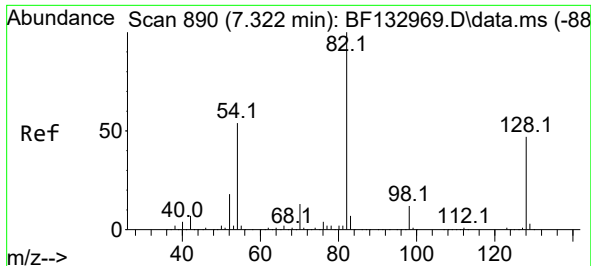
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

Tgt Ion:136 Resp: 763023
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.5 7.0 10.4
68 7.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 73.284 ng

RT: 7.316 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF132981.D

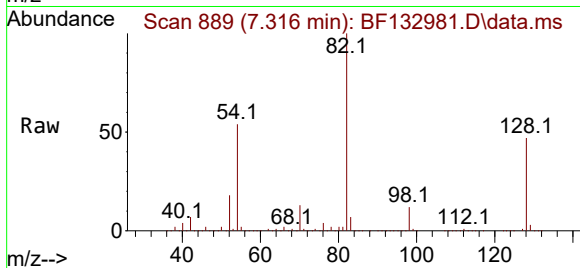
Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17



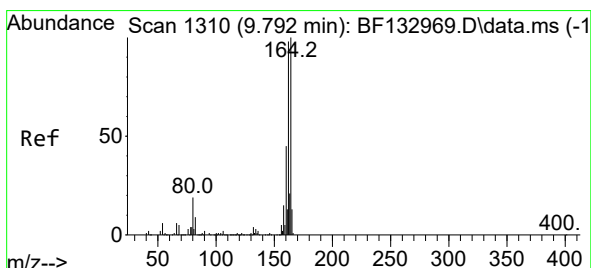
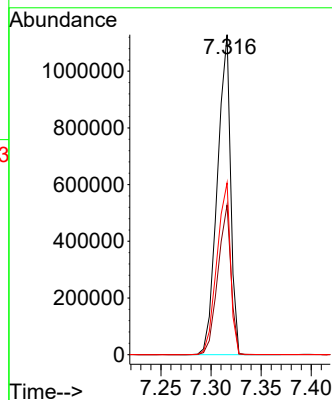
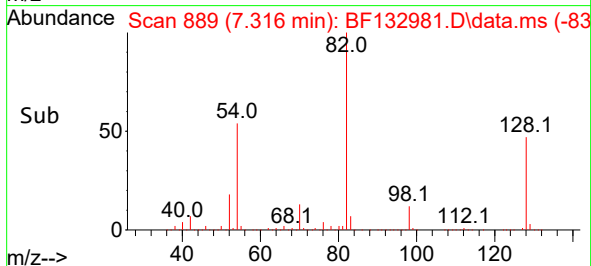
Tgt Ion: 82 Resp: 103594

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.7	56.5
54	53.7	43.0	64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.786 min Scan# 1309

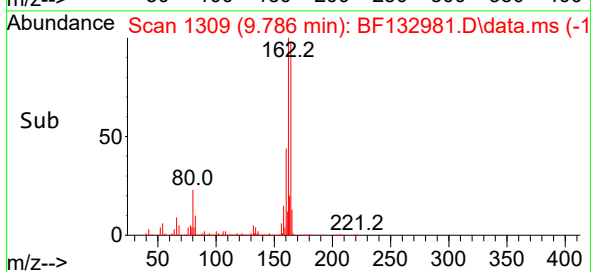
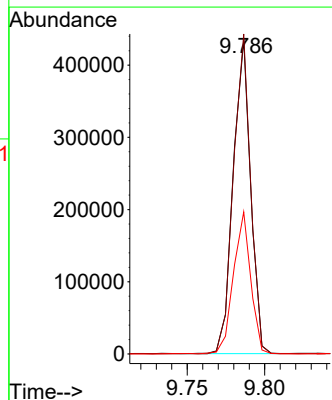
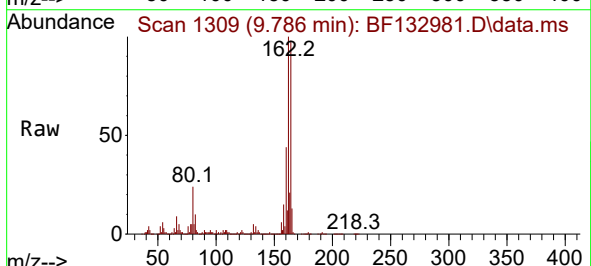
Delta R.T. -0.006 min

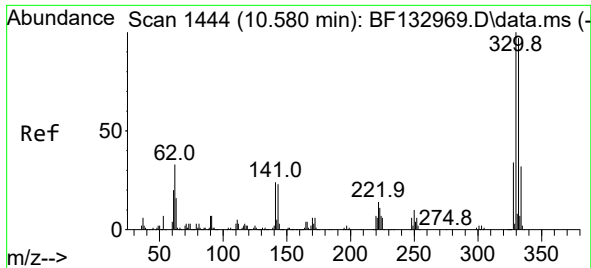
Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Tgt Ion:164 Resp: 340189

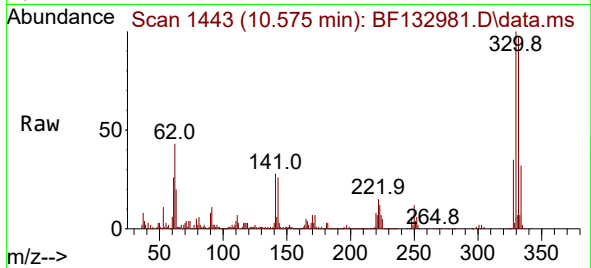
Ion	Ratio	Lower	Upper
164	100		
162	101.8	78.7	118.1
160	45.2	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 90.703 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

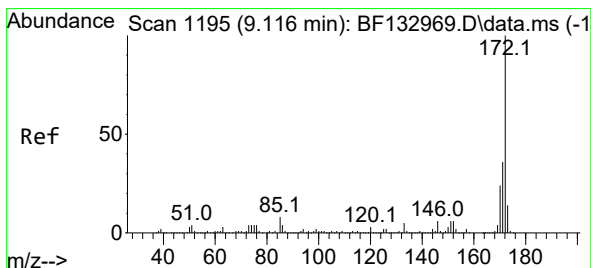
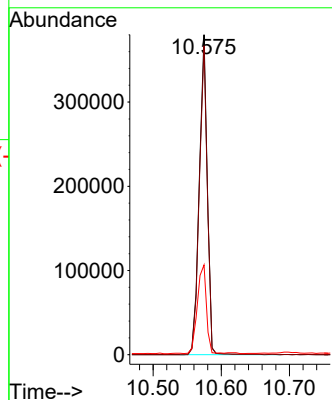
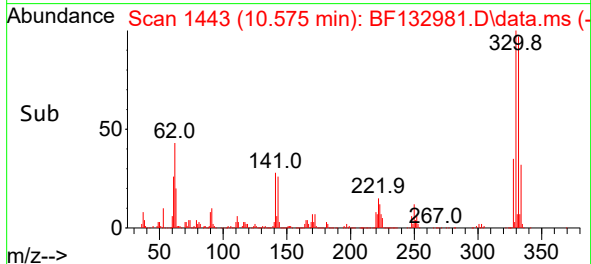
Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17



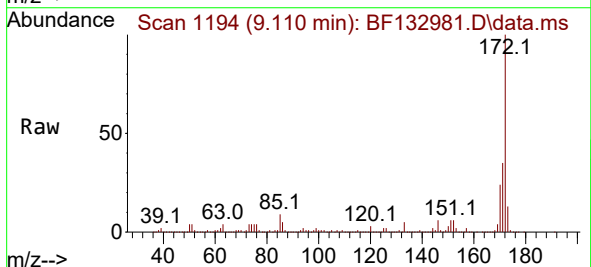
Tgt Ion: 330 Resp: 310319
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 31.2 25.8 38.8

Manual Integrations
APPROVED

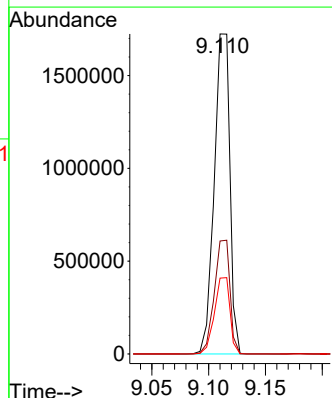
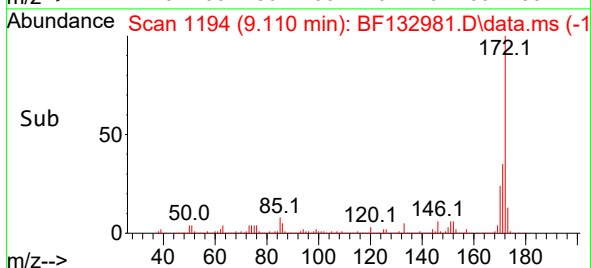
Reviewed By : Christian Giraldo 04/24/2023
Supervised By : Jagrut Upadhyay 04/24/2023

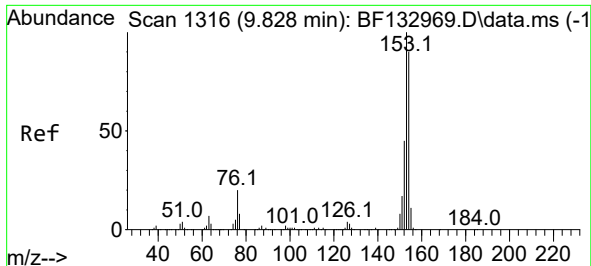


#45
2-Fluorobiphenyl
Concen: 81.322 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34



Tgt Ion: 172 Resp: 1653615
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.7 19.4 29.2





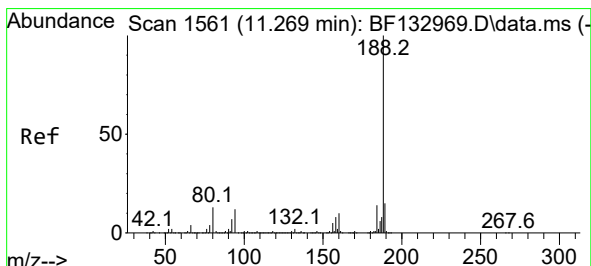
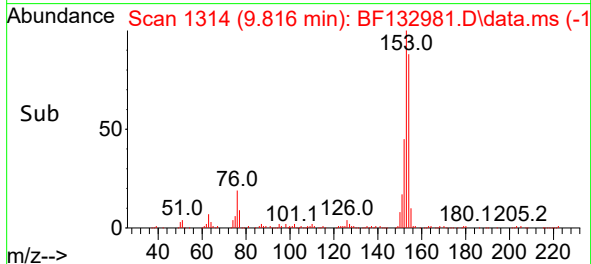
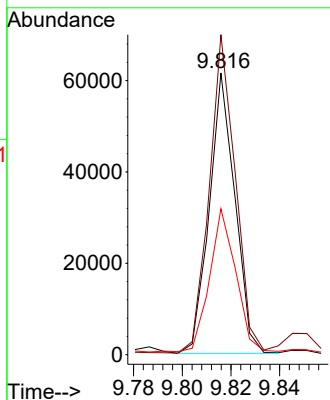
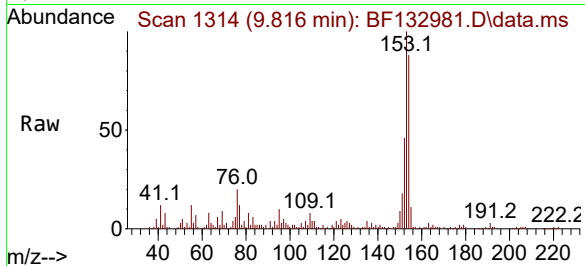
#52
Acenaphthene
Concen: 2.123 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17

Tgt Ion:154 Resp: 4486
Ion Ratio Lower Upper
154 100
153 113.6 89.0 133.6
152 51.8 40.4 60.6

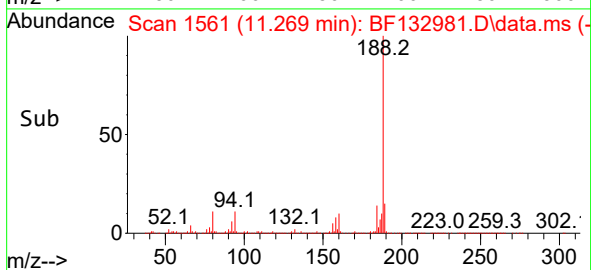
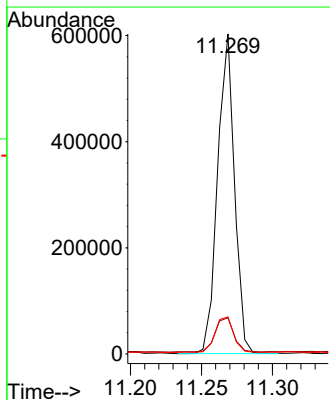
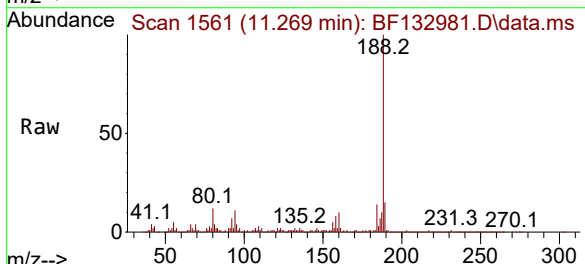
Manual Integrations
APPROVED

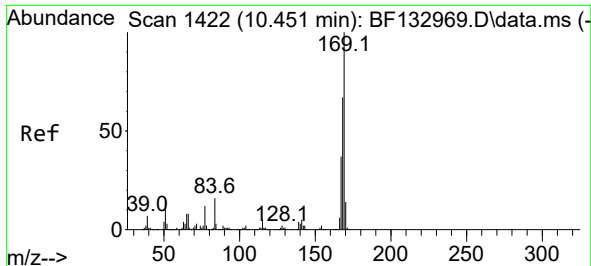
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

Tgt Ion:188 Resp: 496826
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 11.6 10.4 15.6





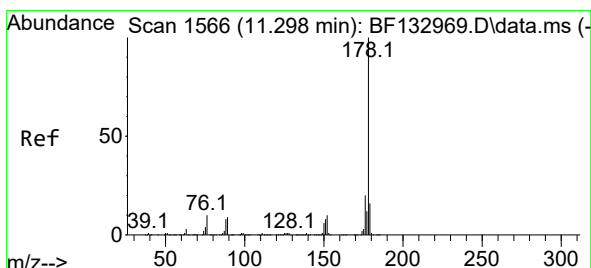
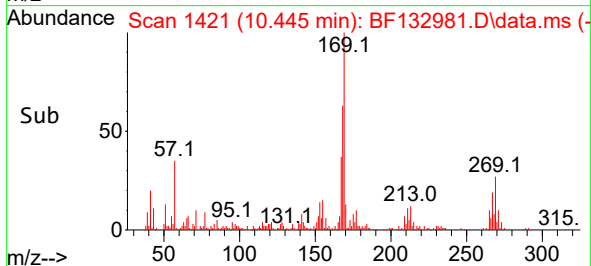
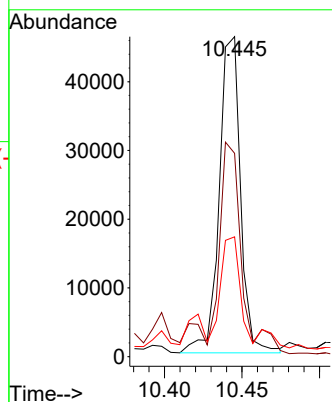
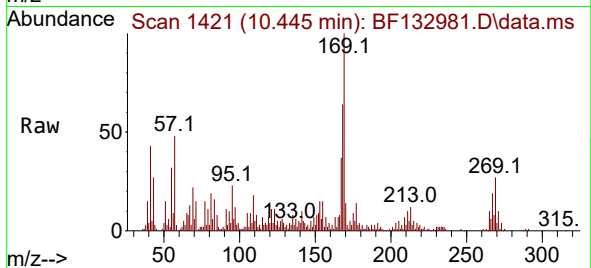
#66
n-Nitrosodiphenylamine
Concen: 2.736 ng
RT: 10.445 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17

Tgt Ion:169 Resp: 44100
Ion Ratio Lower Upper
169 100
168 63.5 53.8 80.8
167 37.4 29.7 44.5

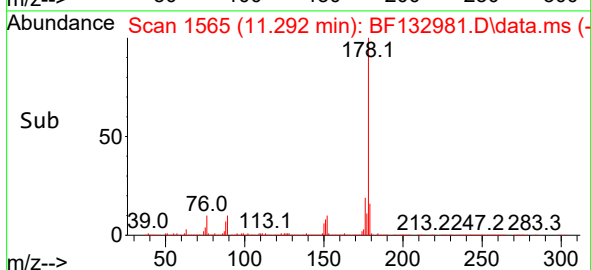
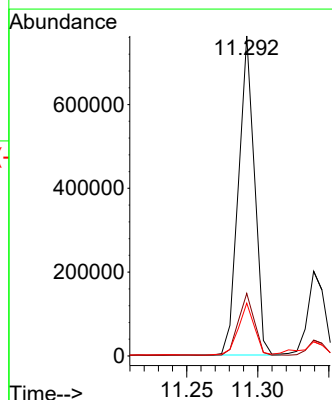
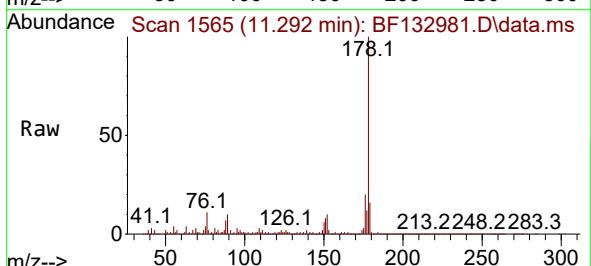
Manual Integrations
APPROVED

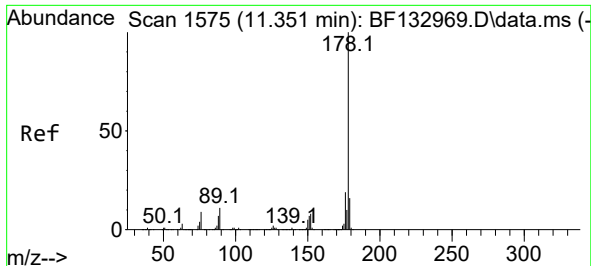
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#71
Phenanthrene
Concen: 22.340 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

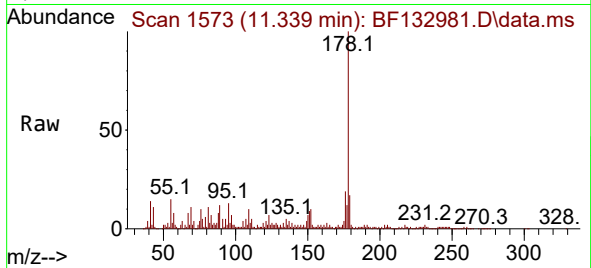
Tgt Ion:178 Resp: 596547
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 16.5 12.5 18.7





#72
 Anthracene
 Concen: 5.859 ng
 RT: 11.339 min Scan# 1573
 Delta R.T. -0.012 min
 Lab File: BF132981.D
 Acq: 21 Apr 2023 21:34

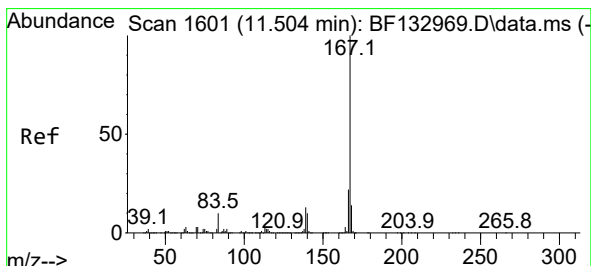
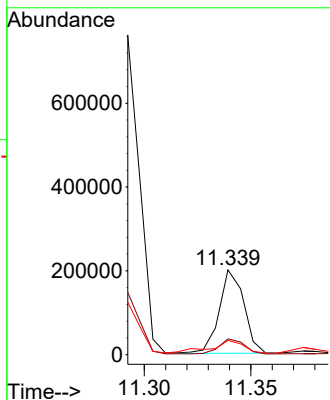
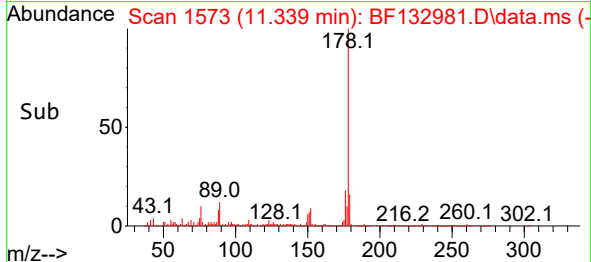
Instrument :
 BNA_F
 ClientSampleId :
 SPB-1WC-23-04-17



Tgt Ion:178 Resp: 160100
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.0
 179 16.9 12.4 18.6

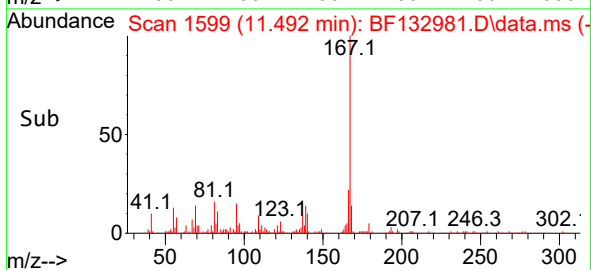
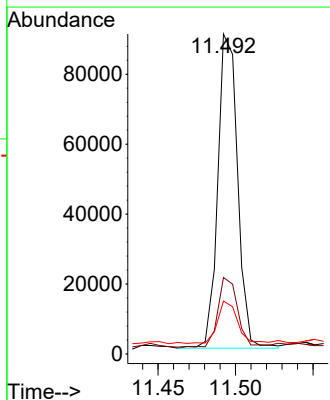
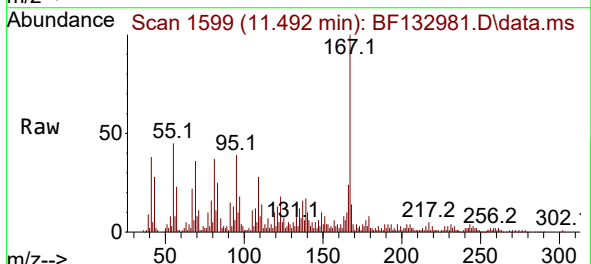
Manual Integrations
 APPROVED

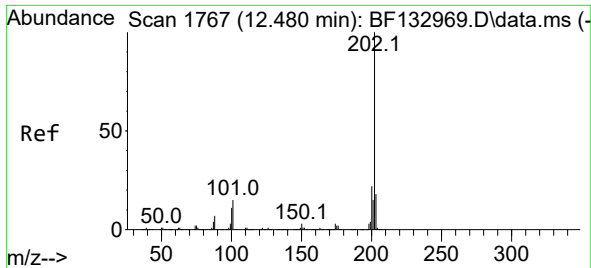
Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#73
 Carbazole
 Concen: 3.296 ng
 RT: 11.492 min Scan# 1599
 Delta R.T. -0.012 min
 Lab File: BF132981.D
 Acq: 21 Apr 2023 21:34

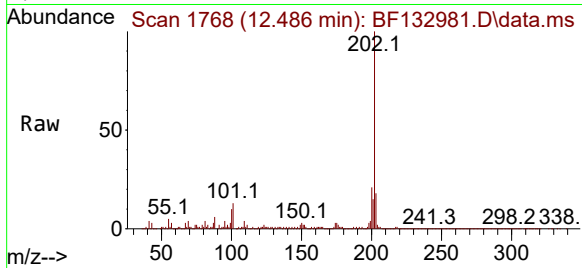
Tgt Ion:167 Resp: 80191
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.4 26.0
 139 16.5 10.6 16.0#





#75
Fluoranthene
Concen: 39.339 ng
RT: 12.486 min Scan# 1767
Delta R.T. 0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

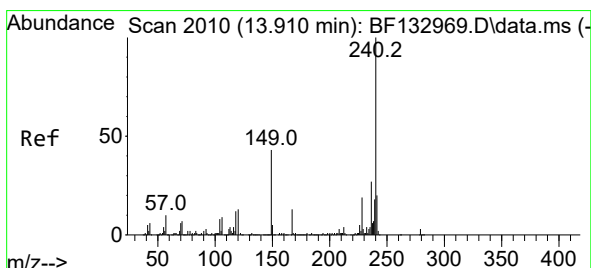
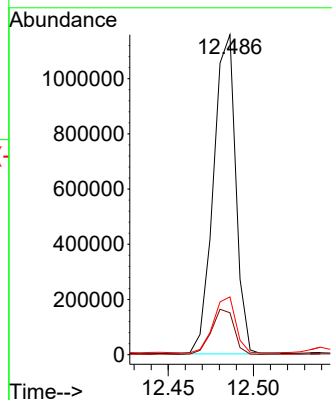
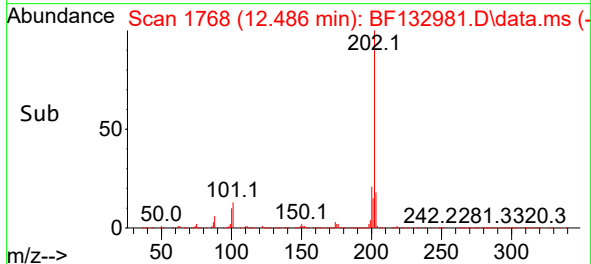
Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17



Tgt Ion:202 Resp: 105425
Ion Ratio Lower Upper
202 100
101 13.1 0.0 35.3
203 18.1 0.0 38.1

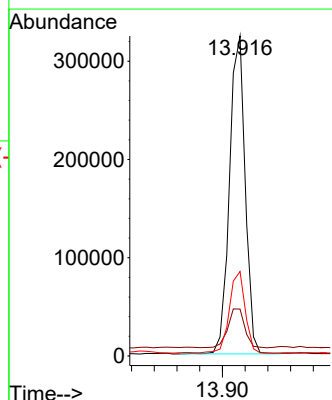
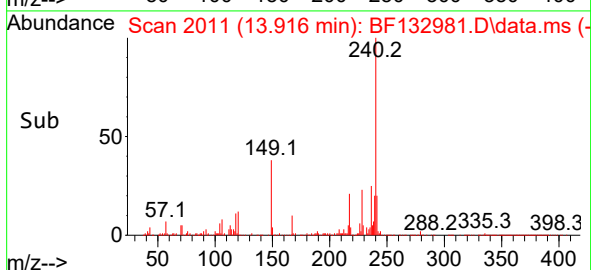
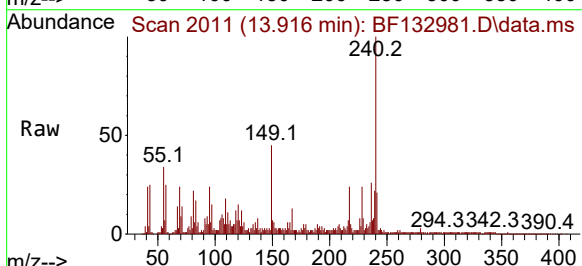
Manual Integrations
APPROVED

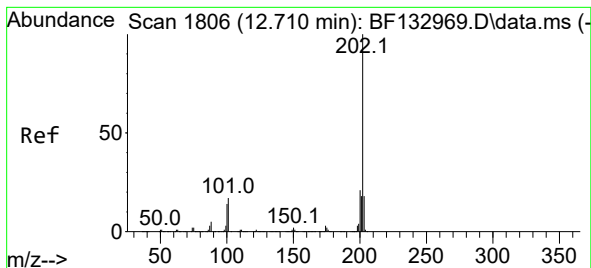
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.916 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

Tgt Ion:240 Resp: 311313
Ion Ratio Lower Upper
240 100
120 14.6 10.5 15.7
236 26.4 21.5 32.3





#78

Pyrene

Concen: 36.682 ng

RT: 12.716 min Scan# 1806

Delta R.T. 0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

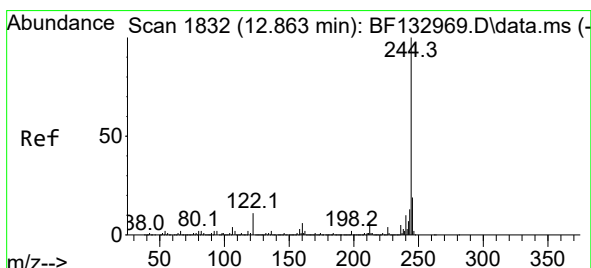
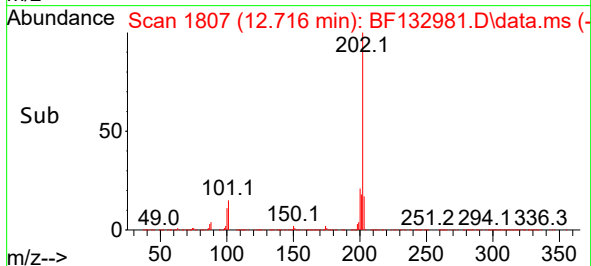
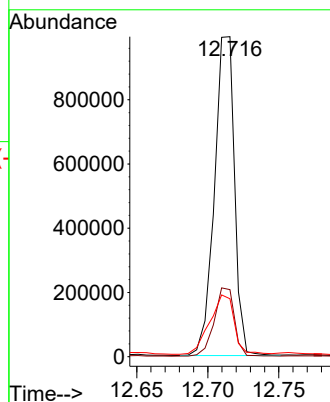
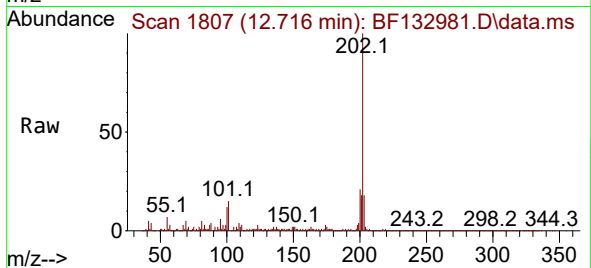
SPB-1WC-23-04-17

Tgt Ion:202 Resp: 978909
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.1 25.7
 203 18.1 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#79

Terphenyl-d14

Concen: 72.844 ng

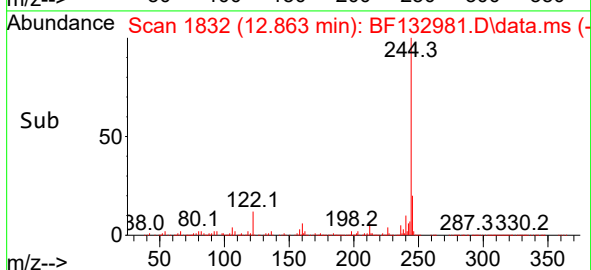
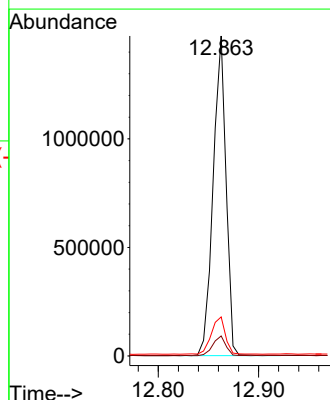
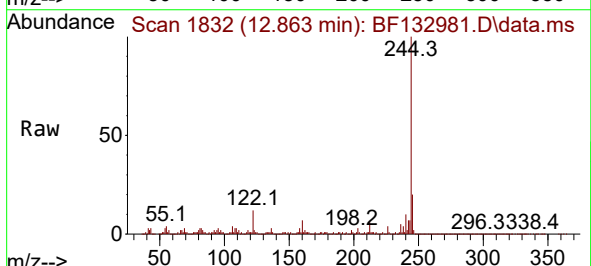
RT: 12.863 min Scan# 1832

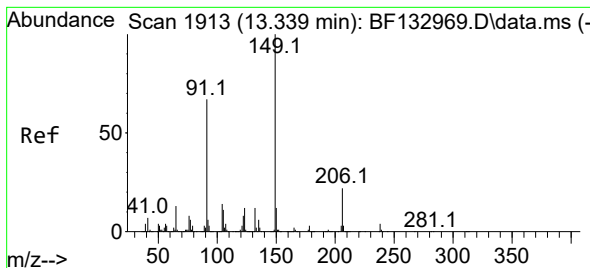
Delta R.T. 0.000 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Tgt Ion:244 Resp: 1314881
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 12.2 8.6 13.0





#80

Butylbenzylphthalate

Concen: 3.651 ng

RT: 13.339 min Scan# 1913

Delta R.T. 0.000 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

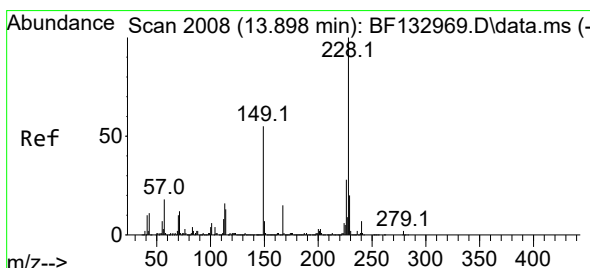
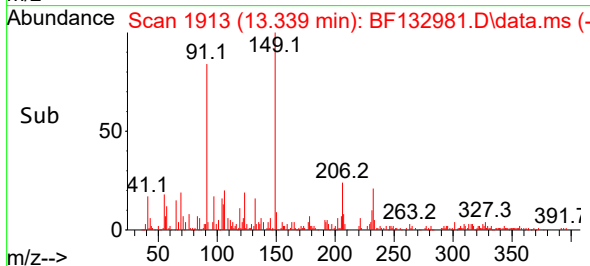
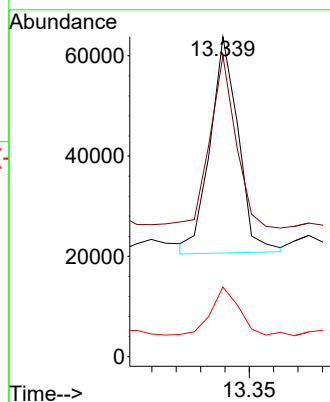
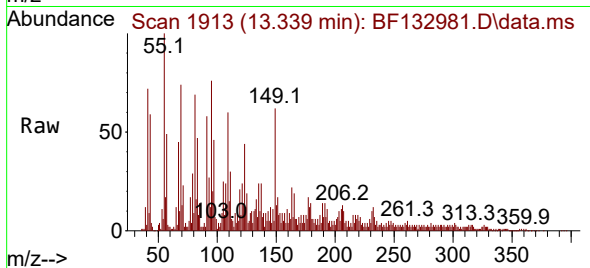
Tgt Ion:	149	Resp:	34498
Ion Ratio	Lower	Upper	
149	100		
91	94.0	53.8	80.6
206	21.8	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#81

Benzo(a)anthracene

Concen: 23.274 ng

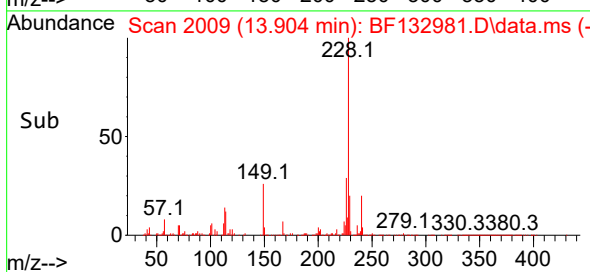
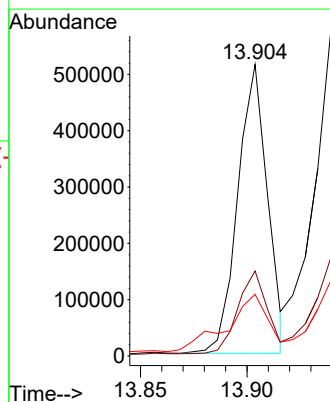
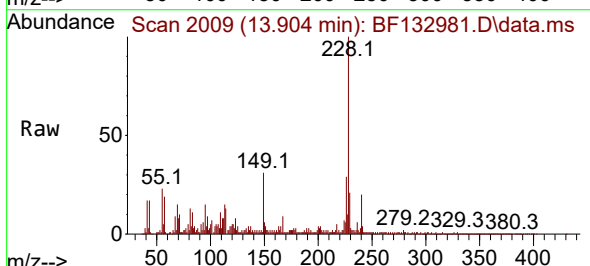
RT: 13.904 min Scan# 2009

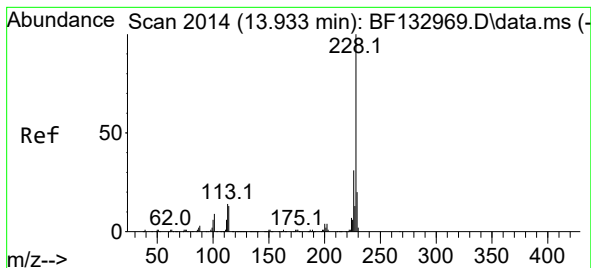
Delta R.T. 0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Tgt Ion:	228	Resp:	498252
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.2	33.4
229	21.1	16.0	24.0





#83

Chrysene

Concen: 24.734 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

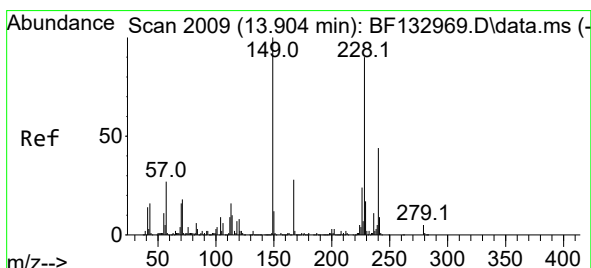
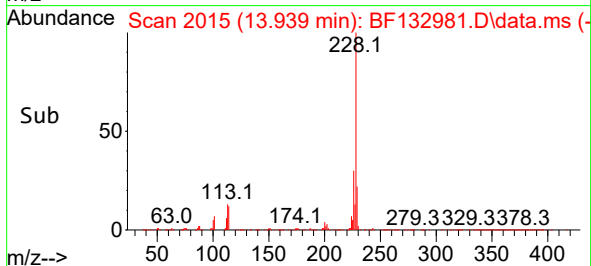
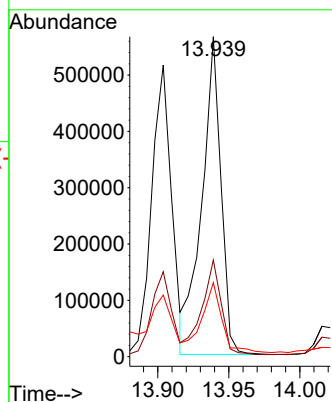
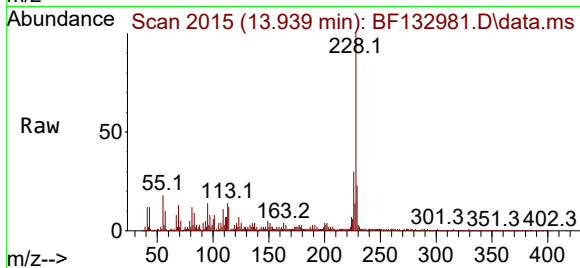
SPB-1WC-23-04-17

Tgt Ion:228 Resp: 529370
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.7 37.1
 229 23.2 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 16.817 ng

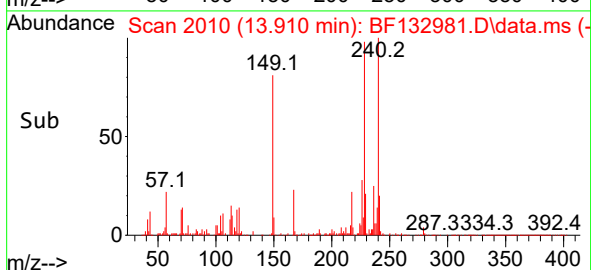
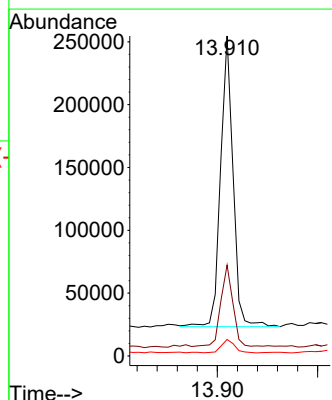
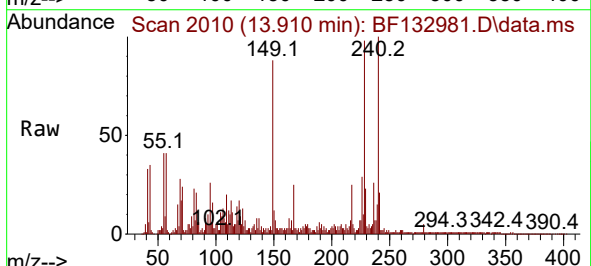
RT: 13.910 min Scan# 2010

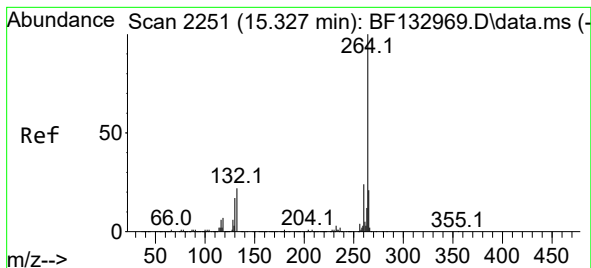
Delta R.T. 0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Tgt Ion:149 Resp: 199454
 Ion Ratio Lower Upper
 149 100
 167 28.4 22.5 33.7
 279 5.2 4.2 6.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

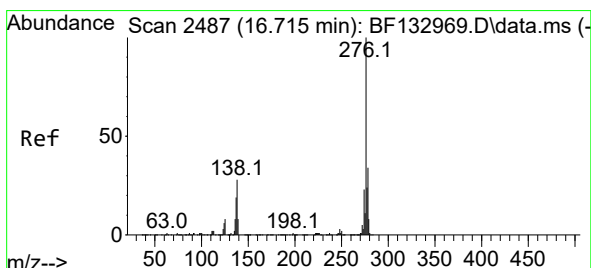
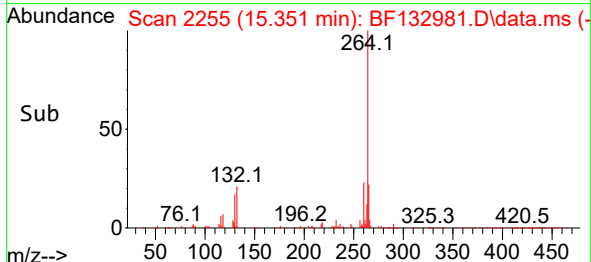
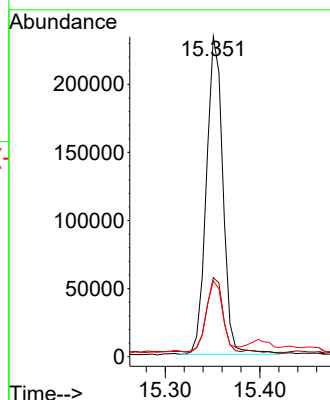
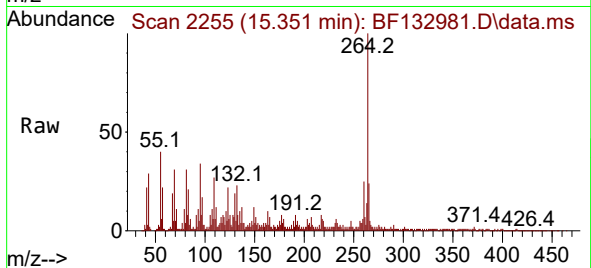
SPB-1WC-23-04-17

Tgt Ion:264 Resp: 283799
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.8 28.2
 265 23.7 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.777 ng

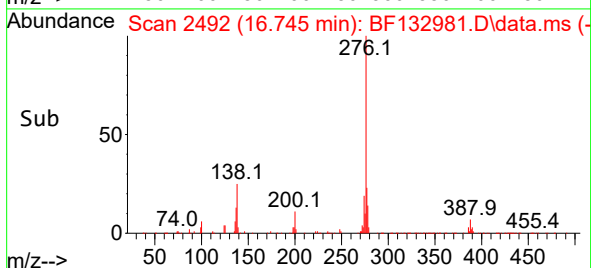
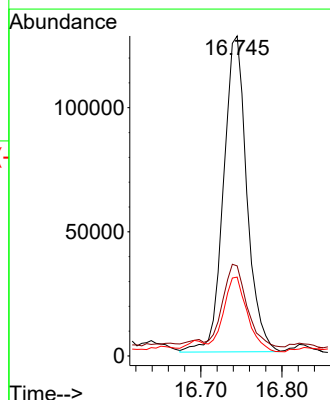
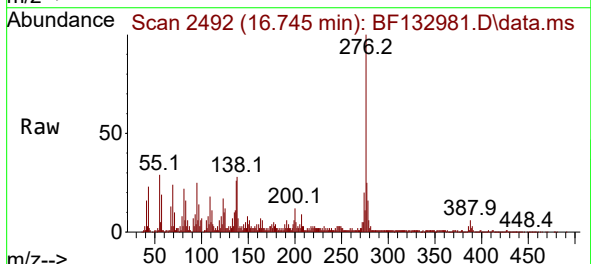
RT: 16.745 min Scan# 2492

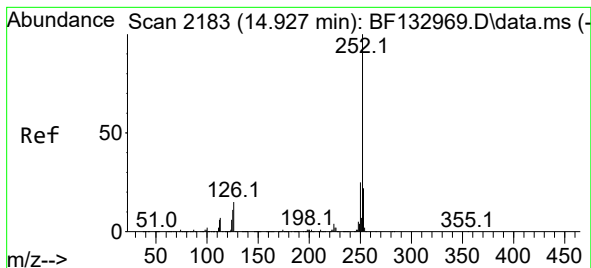
Delta R.T. 0.029 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Tgt Ion:276 Resp: 254690
 Ion Ratio Lower Upper
 276 100
 138 27.0 25.5 38.3
 277 24.0 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 33.977 ng m

RT: 14.939 min Scan# 2185

Delta R.T. 0.012 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNF

ClientSampleId :

SPB-1WC-23-04-17

Tgt Ion:252 Resp: 613462

Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

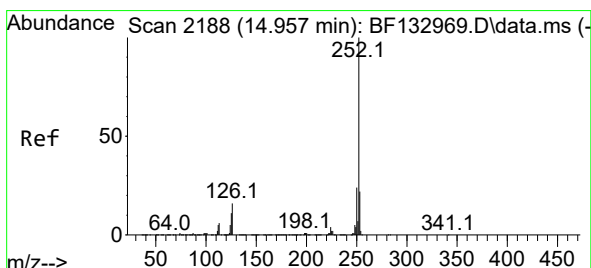
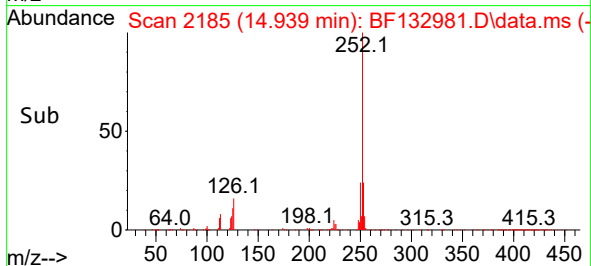
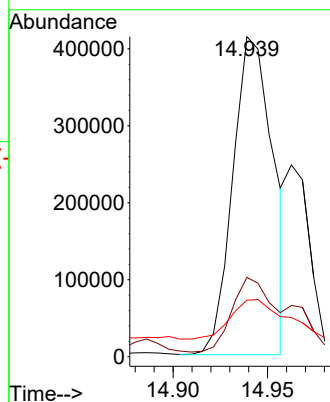
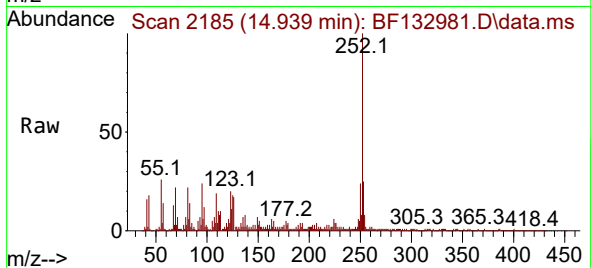
125 17.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#89

Benzo(k)fluoranthene

Concen: 11.862 ng m

RT: 14.963 min Scan# 2189

Delta R.T. 0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

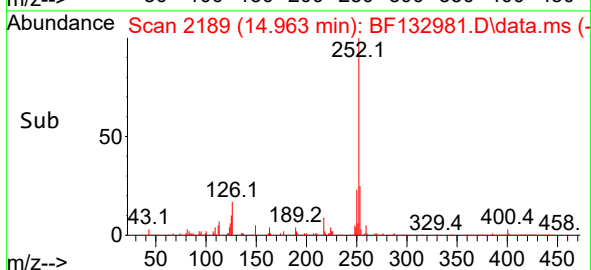
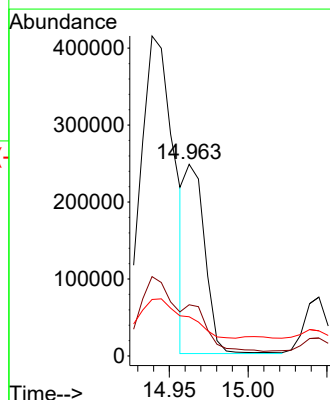
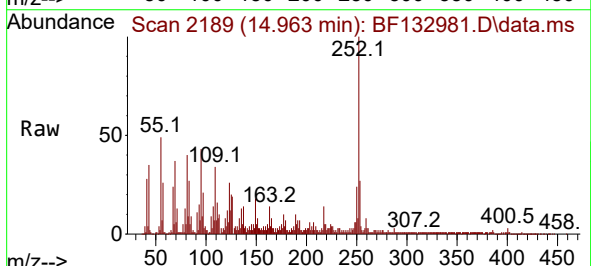
Tgt Ion:252 Resp: 212293

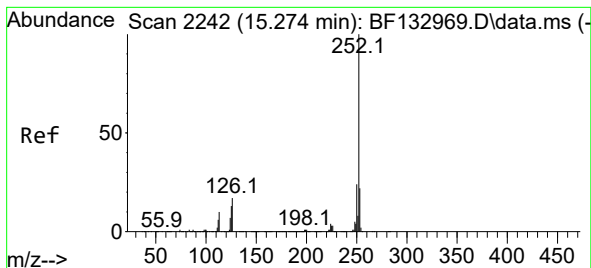
Ion Ratio Lower Upper

252 100

253 26.7 17.7 26.5#

125 20.5 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 24.069 ng

RT: 15.292 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

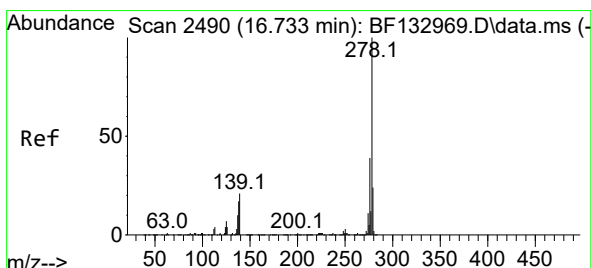
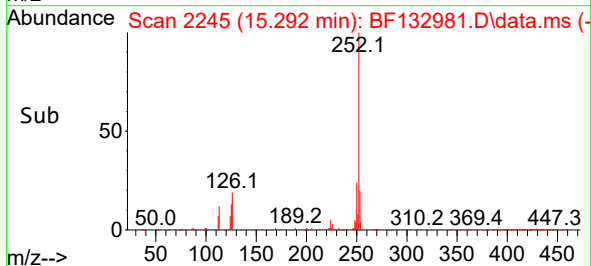
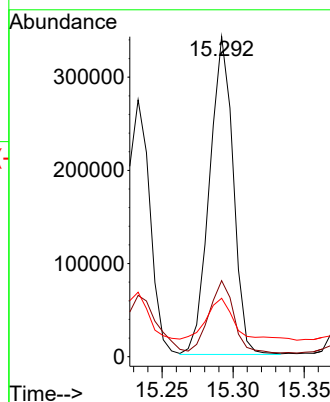
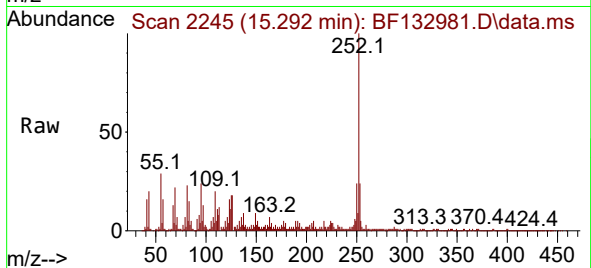
SPB-1WC-23-04-17

Tgt Ion:252	Resp:	39554
Ion Ratio	Lower	Upper
252	100	
253	23.8	17.7 26.5
125	18.3	10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#91

Dibenzo(a,h)anthracene

Concen: 5.029 ng

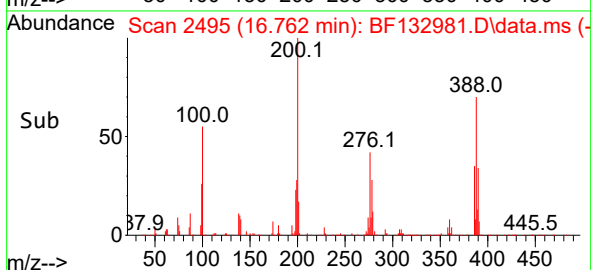
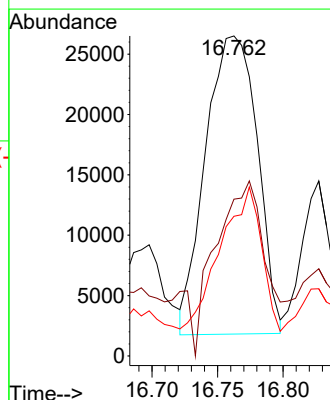
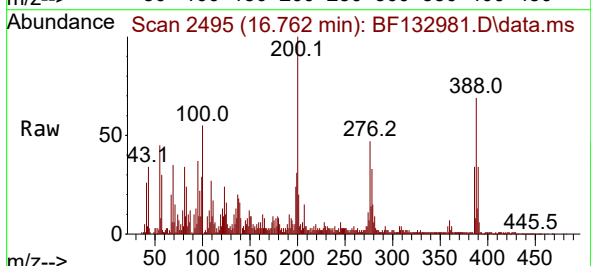
RT: 16.762 min Scan# 2495

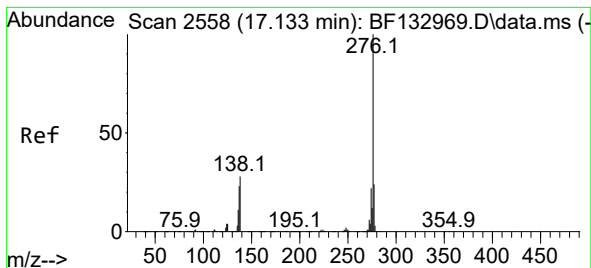
Delta R.T. 0.029 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

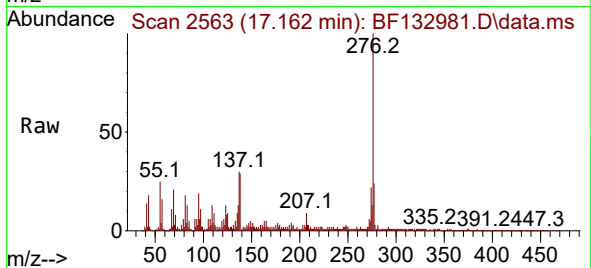
Tgt Ion:278	Resp:	67717
Ion Ratio	Lower	Upper
278	100	
139	49.0	16.6 24.8#
279	43.7	18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 18.243 ng
 RT: 17.162 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: BF132981.D
 Acq: 21 Apr 2023 21:34

Instrument :
 BNA_F
 ClientSampleId :
 SPB-1WC-23-04-17



Tgt Ion: 276 Resp: 242500
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.4 29.0
 138 28.8 22.7 34.1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/24/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

