

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
 Data File : BF132924.D
 Acq On : 19 Apr 2023 21:43
 Operator : CG\JU
 Sample : 02389-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-2WC-23-04-17

Quant Time: Apr 20 01:51:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 04:51:21 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/20/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	260662	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	1093736	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	593969	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	1081109	20.000	ng	0.00
76) Chrysene-d12	13.916	240	636033	20.000	ng	-0.01
86) Perylene-d12	15.345	264	629964	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1271700	76.287	ng	0.00
7) Phenol-d6	6.387	99	1708328	80.311	ng	-0.01
23) Nitrobenzene-d5	7.322	82	1001119	47.711	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	496526	83.344	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	1863856	48.206	ng	-0.01
79) Terphenyl-d14	12.868	244	2251292	60.388	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.069	128	120869	2.187	ng	97
52) Acenaphthene	9.828	154	94815	2.648	ng	98
71) Phenanthrene	11.304	178	1322620	22.744	ng	99
73) Carbazole	11.504	167	131621	2.555	ng	99
75) Fluoranthene	12.492	202	1409921	24.381	ng	100
78) Pyrene	12.721	202	1165636	22.413	ng	98
81) Benzo(a)anthracene	13.904	228	437138	10.106	ng	99
83) Chrysene	13.939	228	464188	10.797	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	52545	3.194	ng	96
87) Indeno(1,2,3-cd)pyrene	16.733	276	211150	5.866	ng	94
88) Benzo(b)fluoranthene	14.939	252	501978m	12.792	ng	
89) Benzo(k)fluoranthene	14.957	252	187973m	4.809	ng	
90) Benzo(a)pyrene	15.286	252	334109	9.320	ng	98
92) Benzo(g,h,i)perylene	17.151	276	190671	6.493	ng	99

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

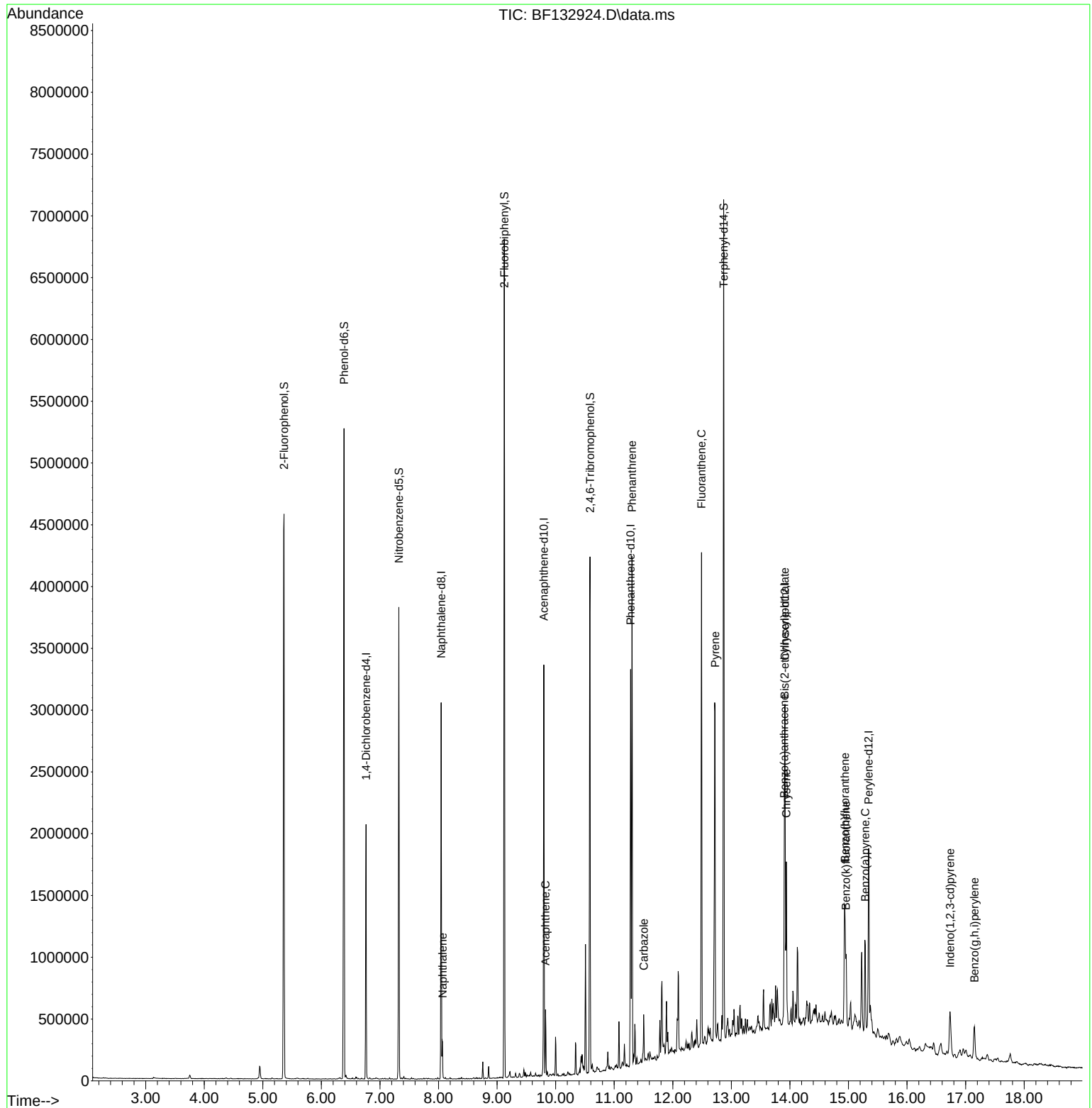
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132924.D
Acq On : 19 Apr 2023 21:43
Operator : CG\JU
Sample : 02389-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

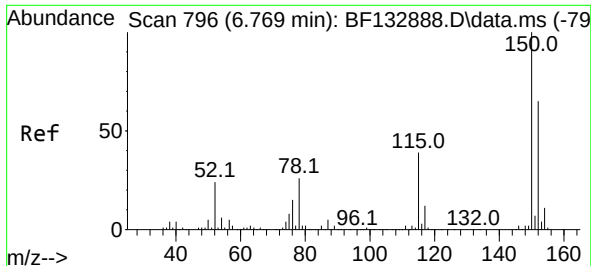
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17

Quant Time: Apr 20 01:51:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 18 04:51:21 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

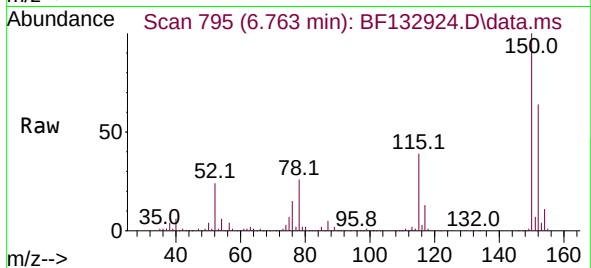
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

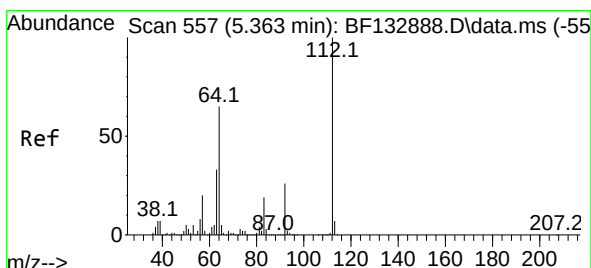
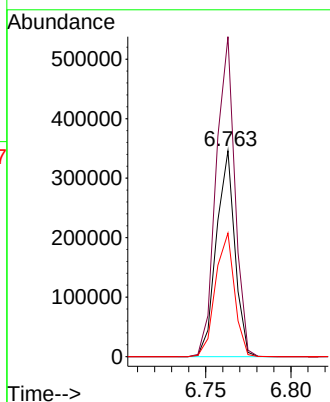
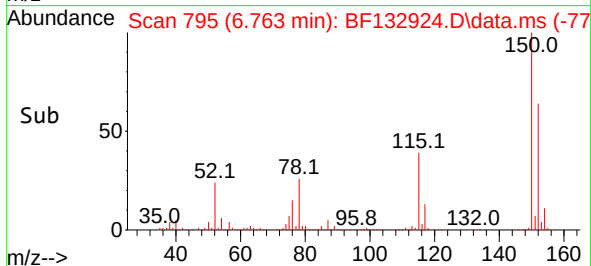
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17



Tgt Ion:152 Resp: 260662
Ion Ratio Lower Upper
152 100
150 155.5 122.8 184.2
115 60.0 47.3 70.9

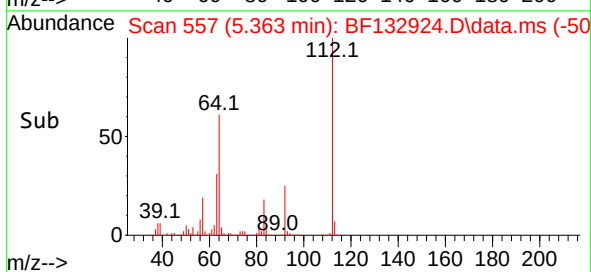
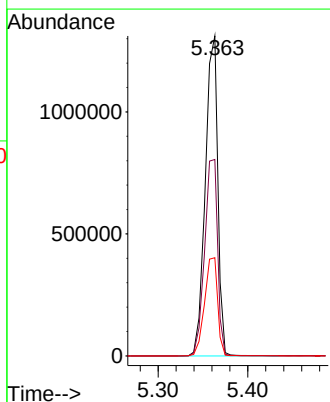
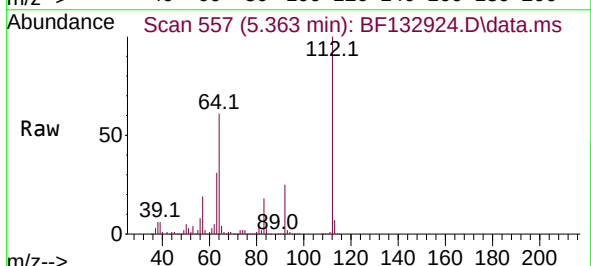
Manual Integrations
APPROVED

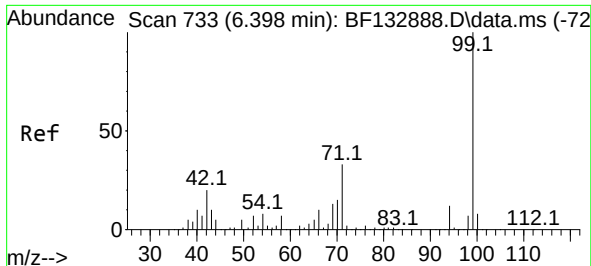
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#5
2-Fluorophenol
Concen: 76.287 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

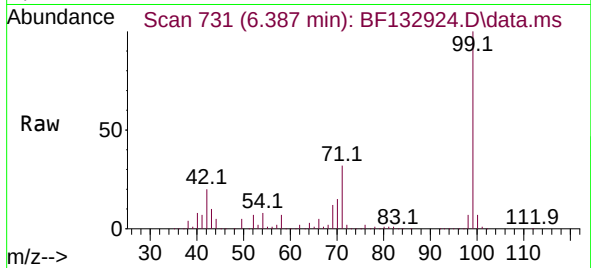
Tgt Ion:112 Resp: 1271700
Ion Ratio Lower Upper
112 100
64 61.4 51.8 77.8
63 30.7 26.3 39.5





#7
Phenol-d6
Concen: 80.311 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

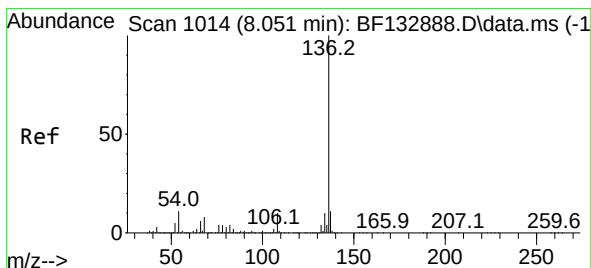
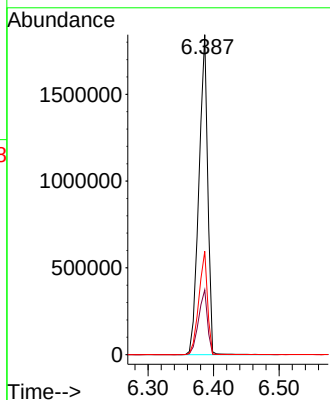
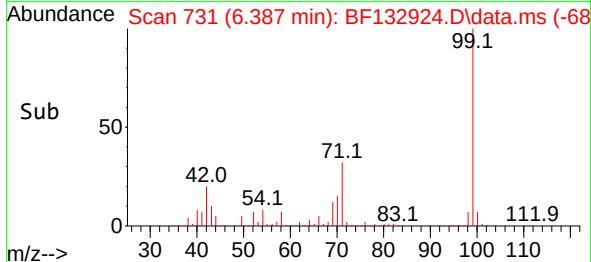
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17



Tgt Ion: 99 Resp: 1708328
Ion Ratio Lower Upper
99 100
42 20.2 16.1 24.1
71 32.3 26.1 39.1

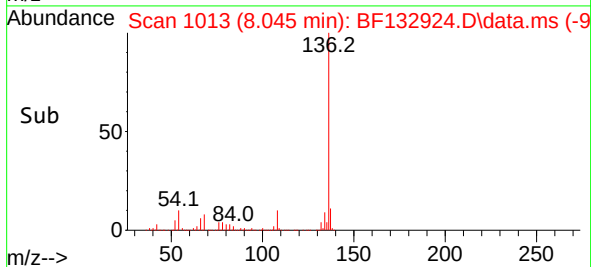
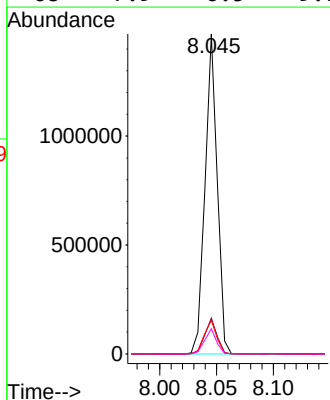
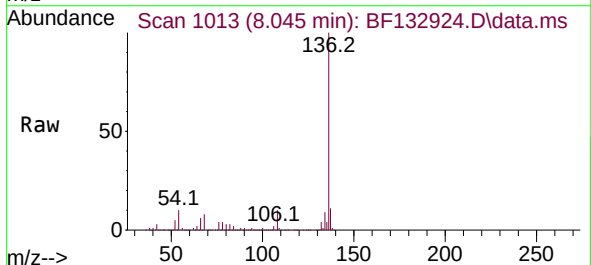
Manual Integrations
APPROVED

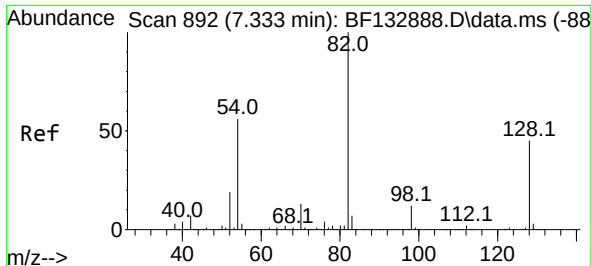
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Tgt Ion:136 Resp: 1093736
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 10.5 8.9 13.3
68 7.9 6.5 9.7





#23

Nitrobenzene-d5

Concen: 47.711 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

Instrument :

BNA_F

ClientSampleId :

SPB-2WC-23-04-17

Tgt Ion: 82 Resp: 1001119

Ion Ratio Lower Upper

82 100

128 43.5 35.7 53.5

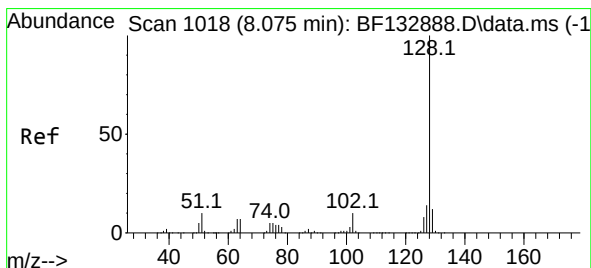
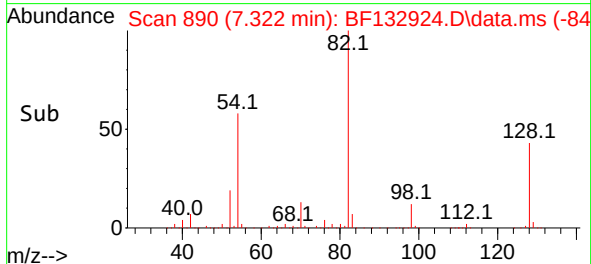
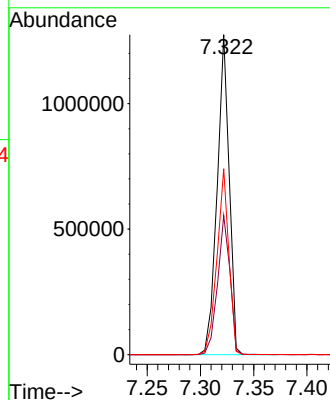
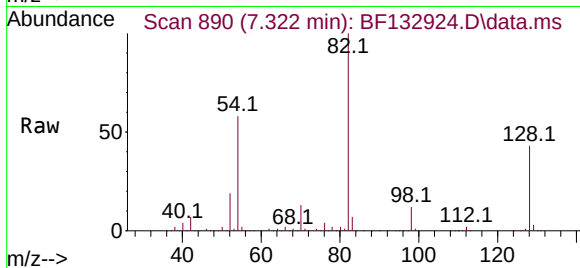
54 58.1 44.7 67.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/20/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#31

Naphthalene

Concen: 2.187 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

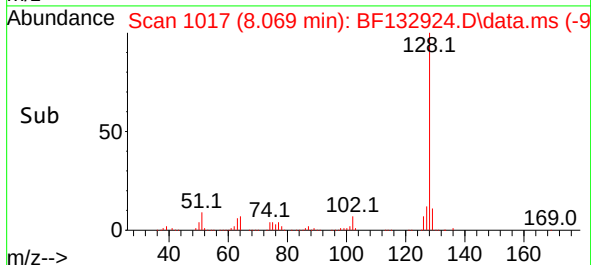
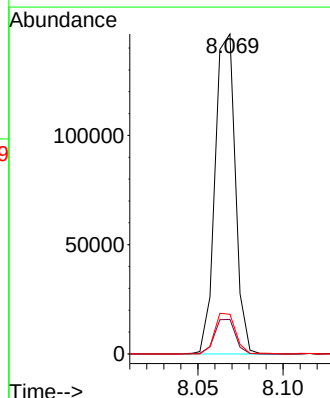
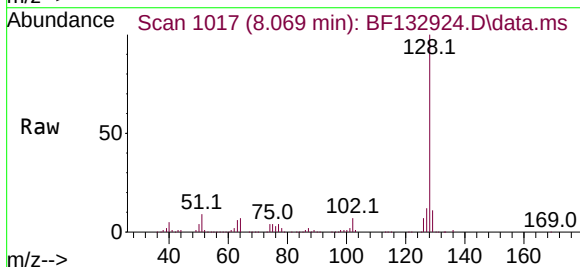
Tgt Ion:128 Resp: 120869

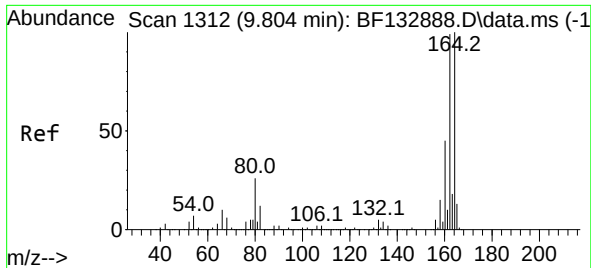
Ion Ratio Lower Upper

128 100

129 10.8 9.4 14.0

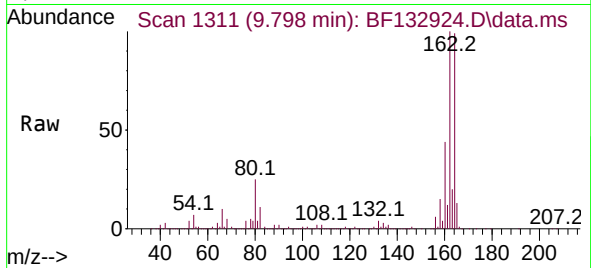
127 12.4 11.0 16.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

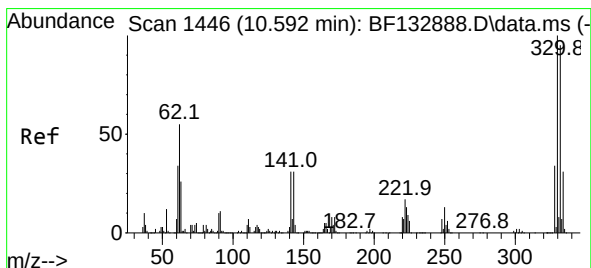
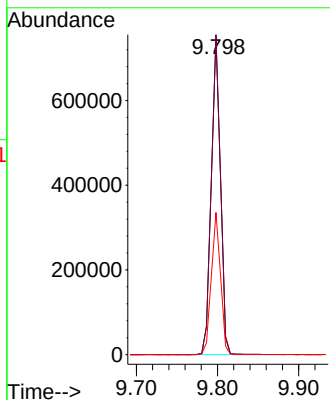
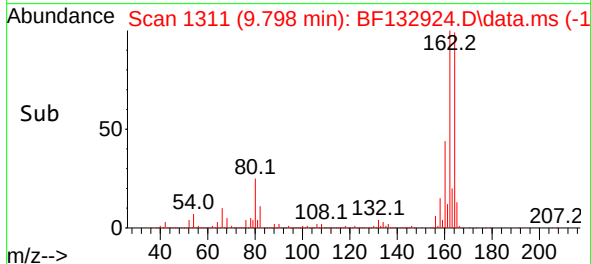
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17



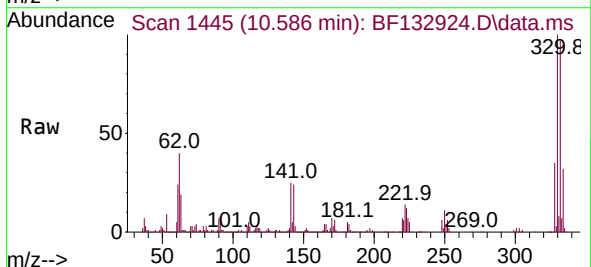
Tgt Ion:164 Resp: 593969
Ion Ratio Lower Upper
164 100
162 100.7 79.1 118.7
160 44.7 35.6 53.4

Manual Integrations
APPROVED

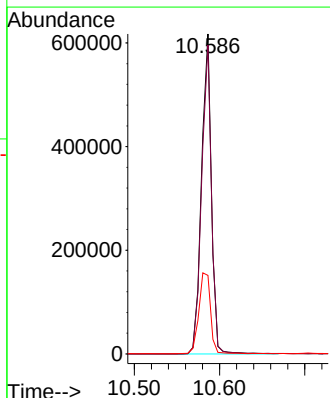
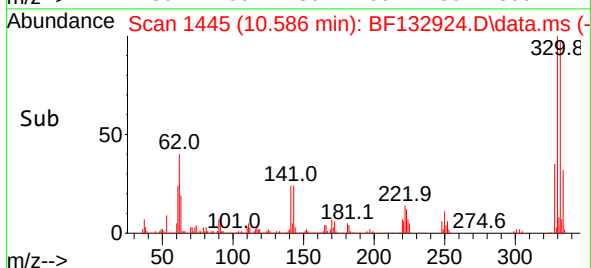
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023

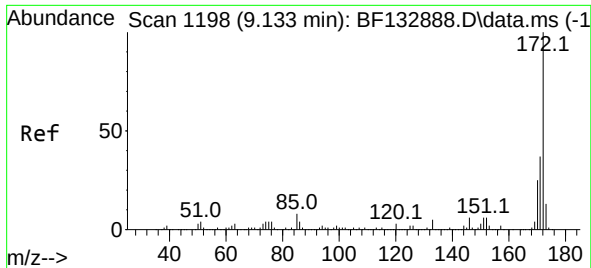


#42
2,4,6-Tribromophenol
Concen: 83.344 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43



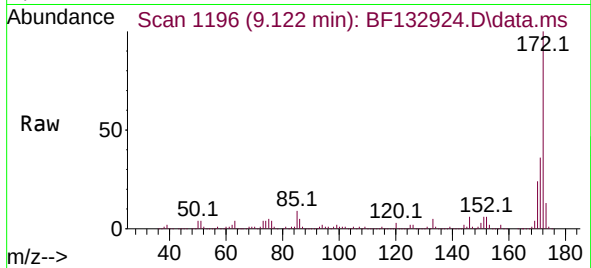
Tgt Ion:330 Resp: 496526
Ion Ratio Lower Upper
330 100
332 96.4 76.3 114.5
141 29.8 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 48.206 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

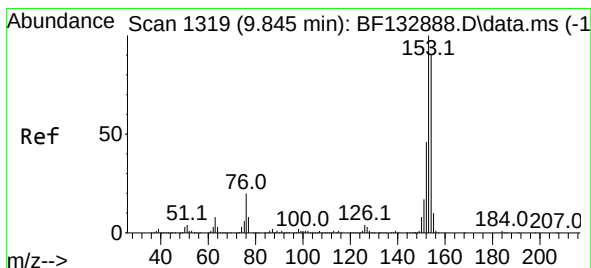
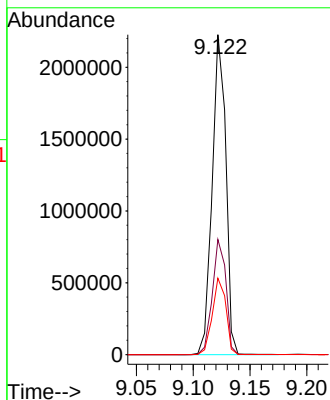
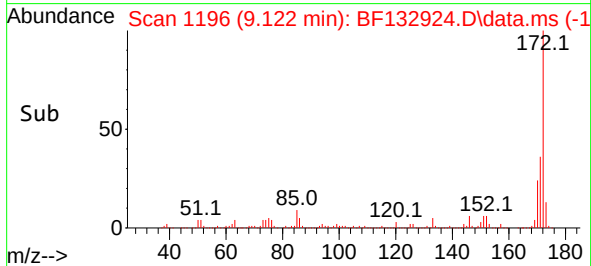
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17



Tgt Ion:172 Resp: 1863856
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 23.9 20.1 30.1

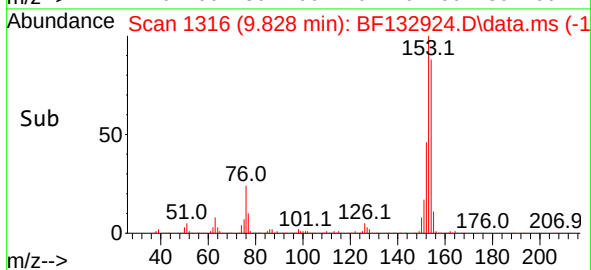
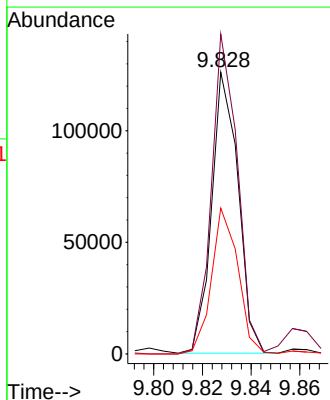
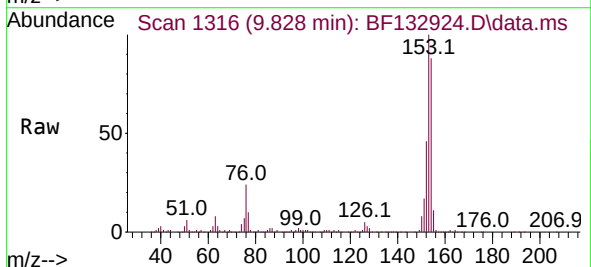
Manual Integrations
APPROVED

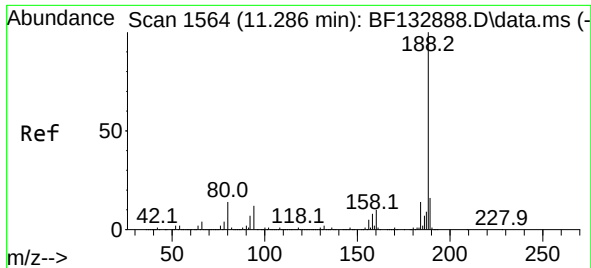
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#52
Acenaphthene
Concen: 2.648 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.018 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

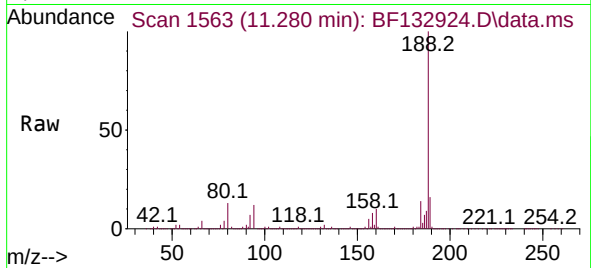
Tgt Ion:154 Resp: 94815
Ion Ratio Lower Upper
154 100
153 113.6 88.8 133.2
152 51.8 41.2 61.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

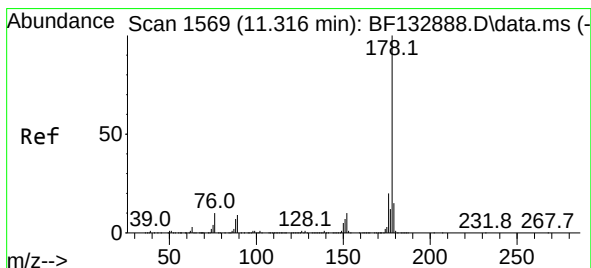
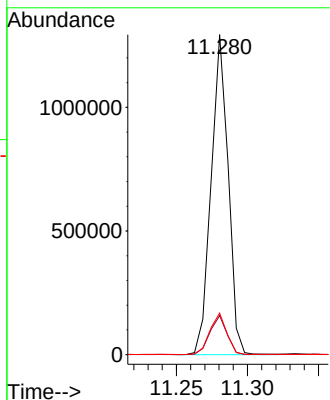
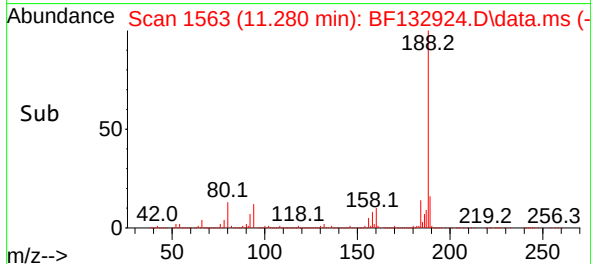
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17



Tgt Ion:188 Resp: 1081109
Ion Ratio Lower Upper
188 100
94 12.2 9.9 14.9
80 13.0 10.8 16.2

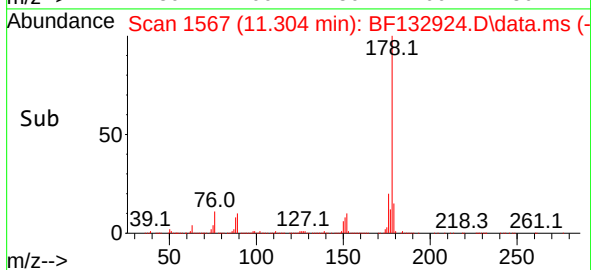
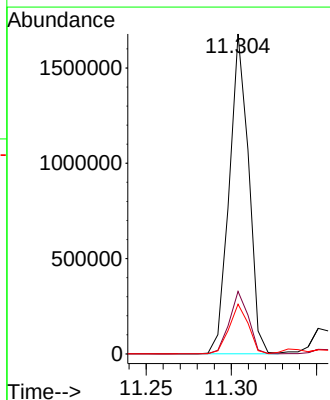
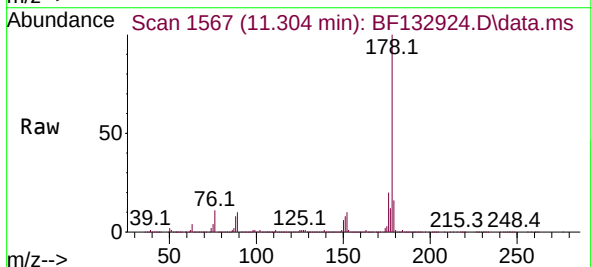
Manual Integrations
APPROVED

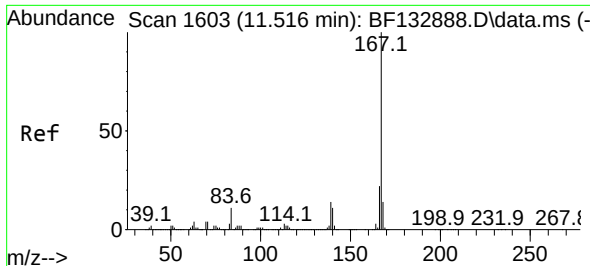
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#71
Phenanthrene
Concen: 22.744 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

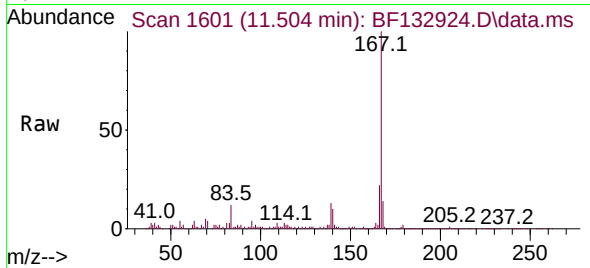
Tgt Ion:178 Resp: 1322620
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.5 12.3 18.5





#73
Carbazole
Concen: 2.555 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.012 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

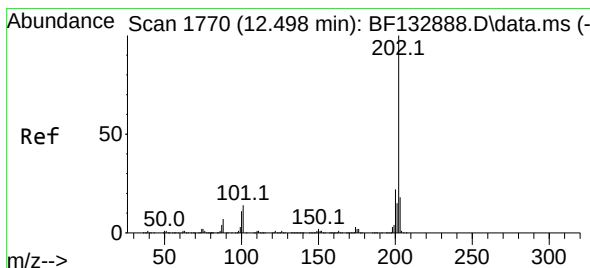
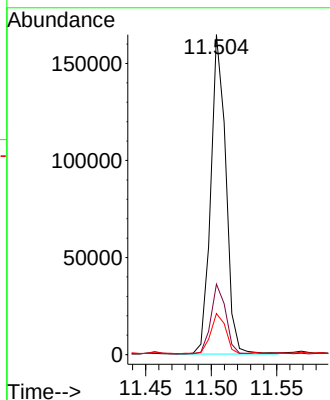
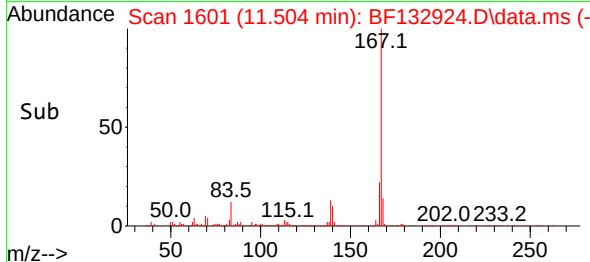
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17



Tgt Ion:167 Resp: 131621
Ion Ratio Lower Upper
167 100
166 22.0 17.4 26.2
139 12.8 11.0 16.4

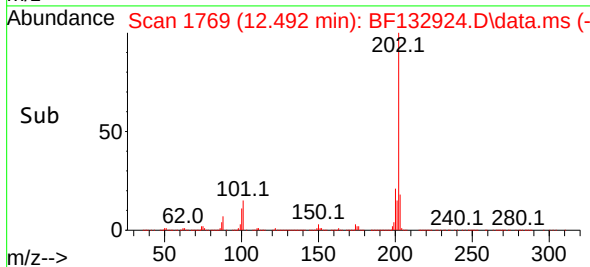
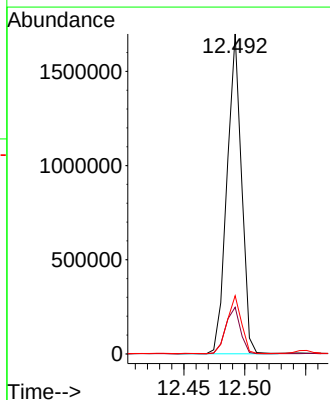
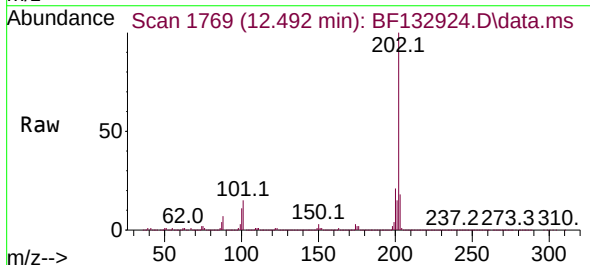
Manual Integrations
APPROVED

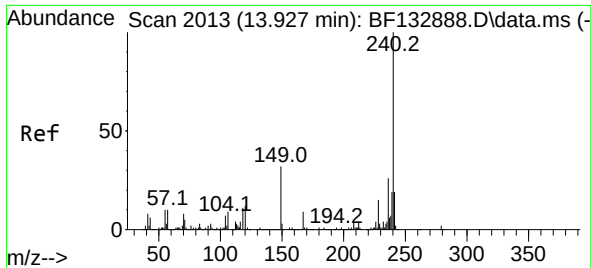
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#75
Fluoranthene
Concen: 24.381 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Tgt Ion:202 Resp: 1409921
Ion Ratio Lower Upper
202 100
101 14.6 0.0 34.5
203 18.2 0.0 38.2





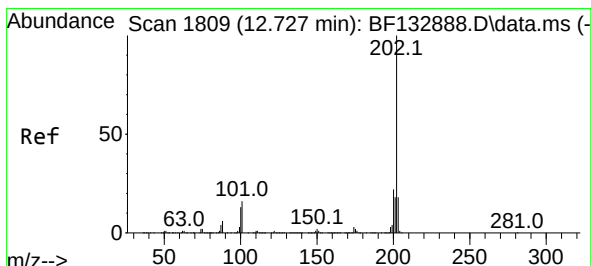
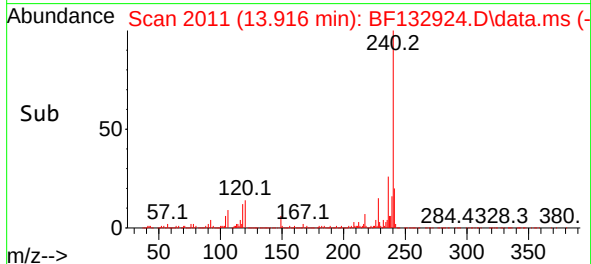
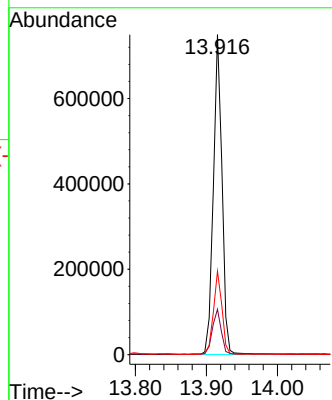
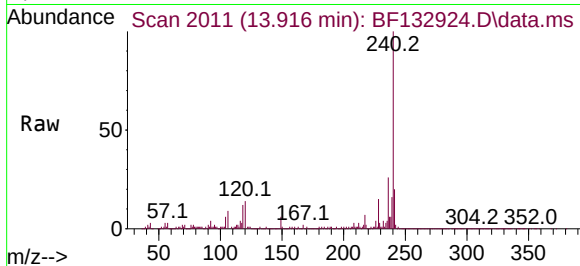
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.916 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17

Tgt Ion:240 Resp: 636033
Ion Ratio Lower Upper
240 100
120 14.2 10.0 15.0
236 26.1 20.8 31.2

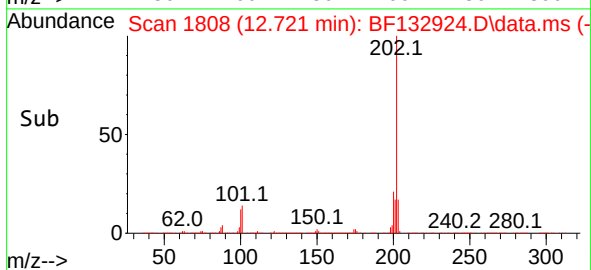
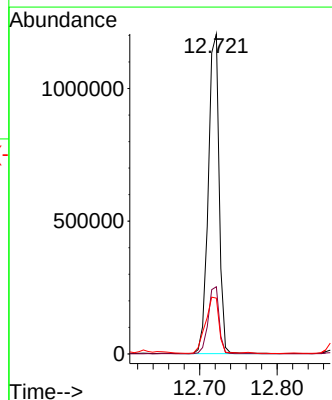
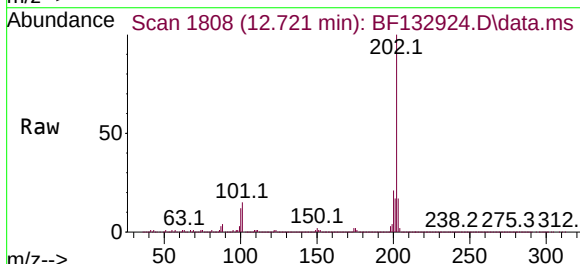
Manual Integrations
APPROVED

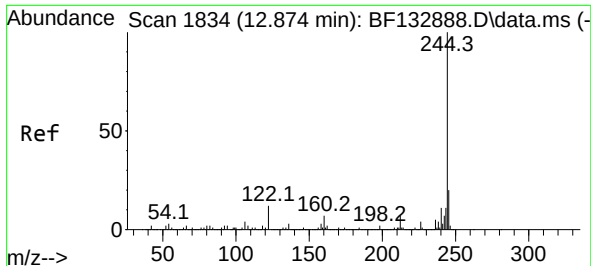
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#78
Pyrene
Concen: 22.413 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

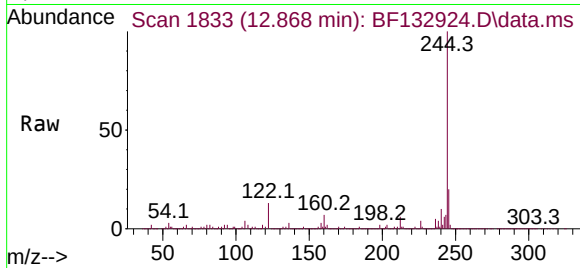
Tgt Ion:202 Resp: 1165636
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 17.4 14.6 22.0





#79
 Terphenyl-d14
 Concen: 60.388 ng
 RT: 12.868 min Scan# 1834
 Delta R.T. -0.006 min
 Lab File: BF132924.D
 Acq: 19 Apr 2023 21:43

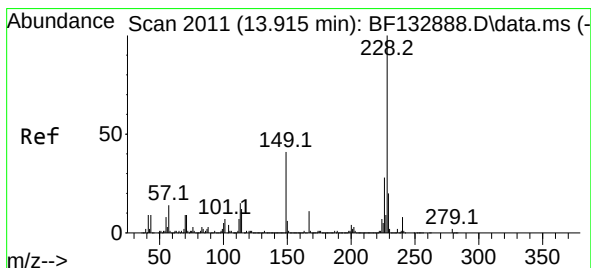
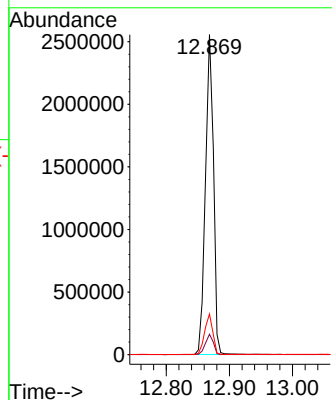
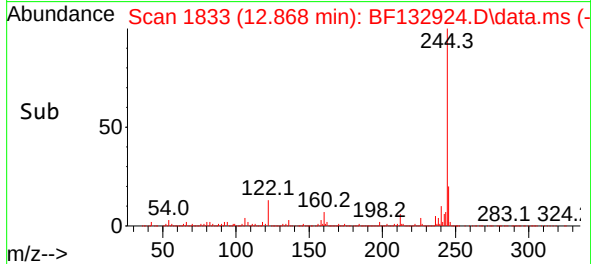
Instrument :
 BNA_F
 ClientSampleId :
 SPB-2WC-23-04-17



Tgt Ion:244 Resp: 2251292
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 12.7 9.6 14.4

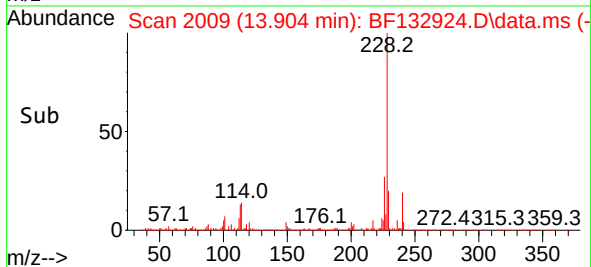
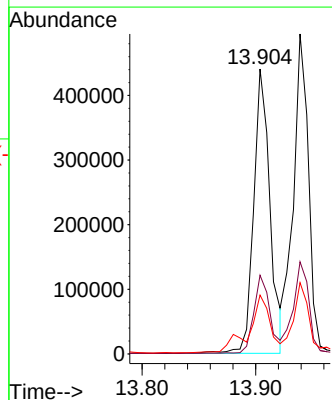
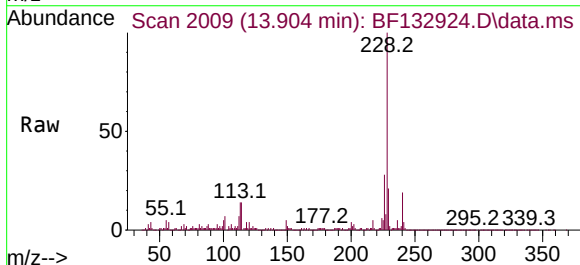
Manual Integrations
 APPROVED

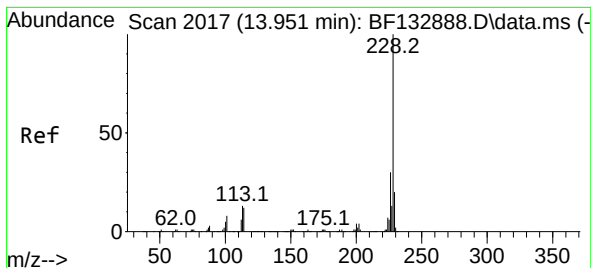
Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#81
 Benzo(a)anthracene
 Concen: 10.106 ng
 RT: 13.904 min Scan# 2009
 Delta R.T. -0.012 min
 Lab File: BF132924.D
 Acq: 19 Apr 2023 21:43

Tgt Ion:228 Resp: 437138
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.4 33.6
 229 20.7 16.2 24.2





#83

Chrysene

Concen: 10.797 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

Instrument :

BNA_F

ClientSampleId :

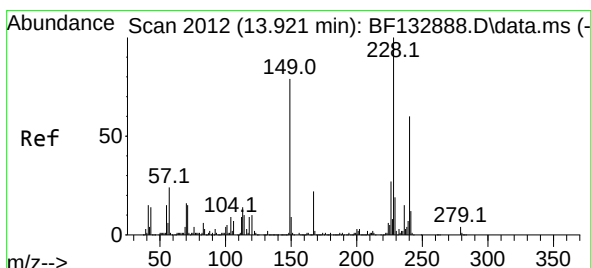
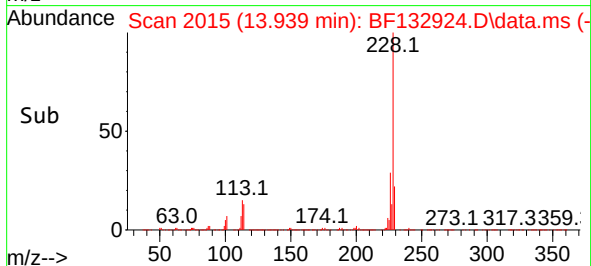
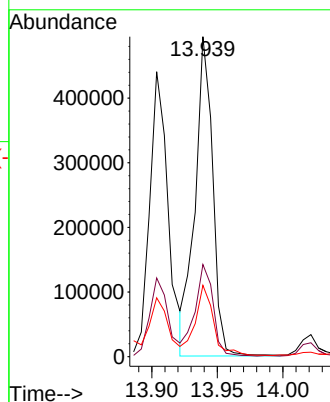
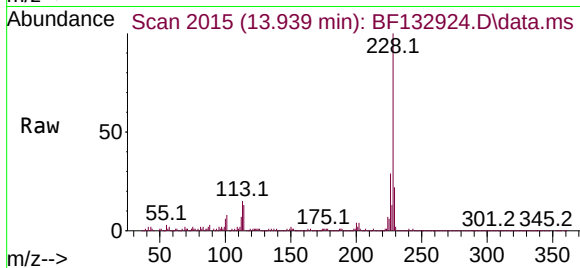
SPB-2WC-23-04-17

Tgt Ion:228 Resp: 464188
 Ion Ratio Lower Upper
 228 100
 226 28.8 24.3 36.5
 229 22.3 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.194 ng

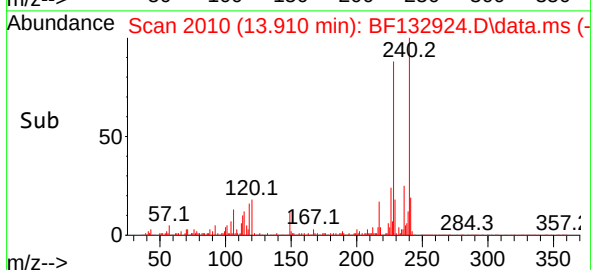
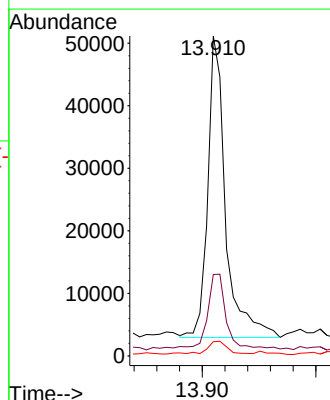
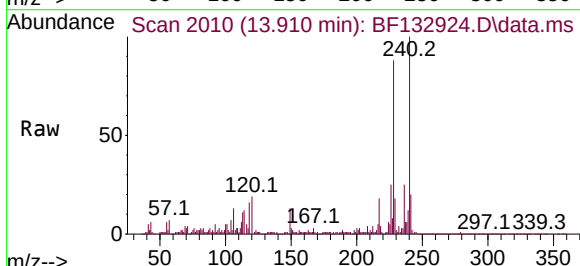
RT: 13.910 min Scan# 2010

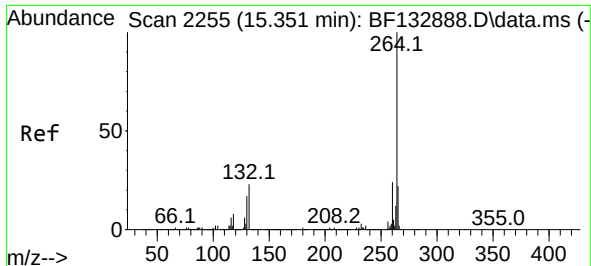
Delta R.T. -0.011 min

Lab File: BF132924.D

Acq: 19 Apr 2023 21:43

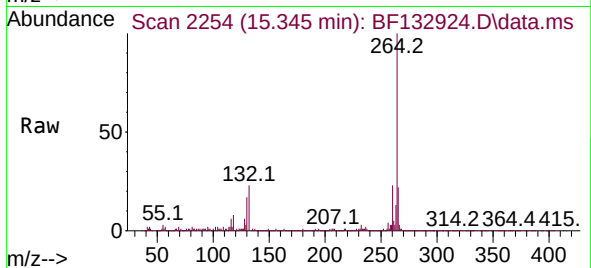
Tgt Ion:149 Resp: 52545
 Ion Ratio Lower Upper
 149 100
 167 25.4 22.2 33.4
 279 4.4 4.2 6.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

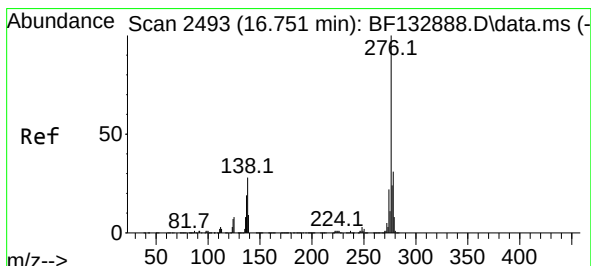
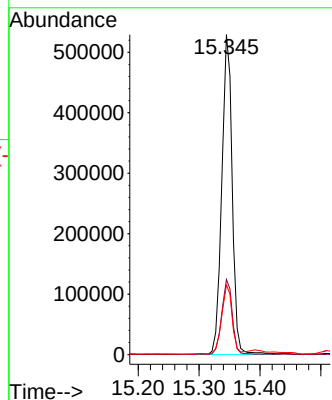
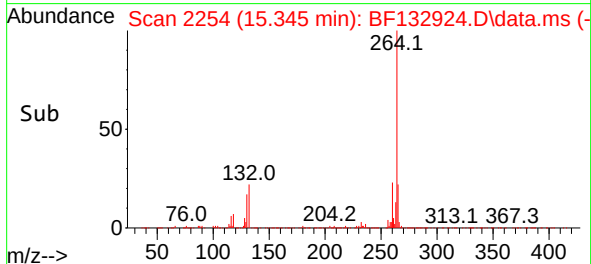
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17



Tgt Ion:264 Resp: 629964
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 21.8 17.7 26.5

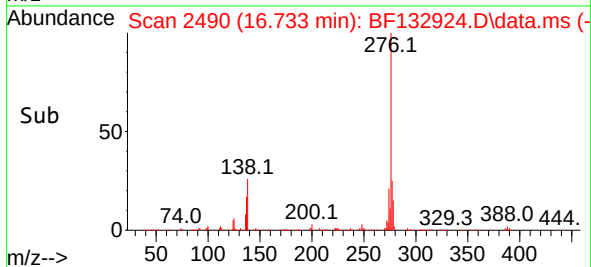
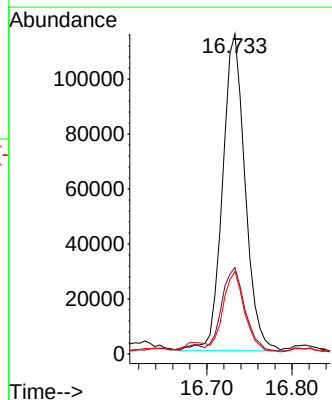
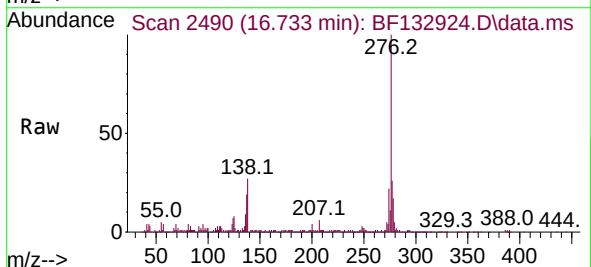
Manual Integrations
APPROVED

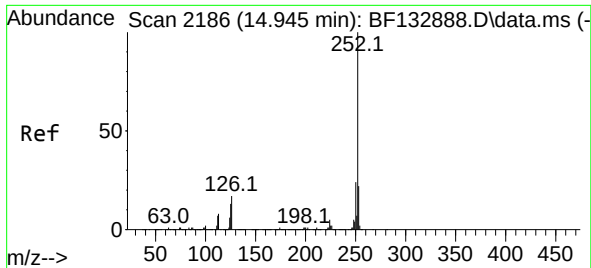
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.866 ng
RT: 16.733 min Scan# 2490
Delta R.T. -0.018 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

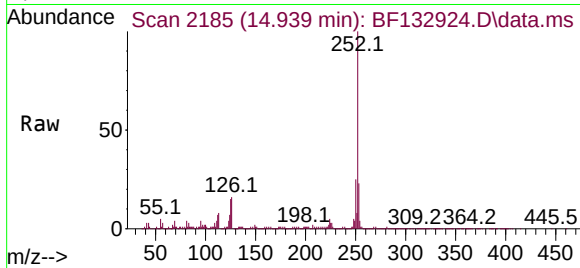
Tgt Ion:276 Resp: 211150
Ion Ratio Lower Upper
276 100
138 26.8 25.5 38.3
277 24.3 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 12.792 ng m
RT: 14.939 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

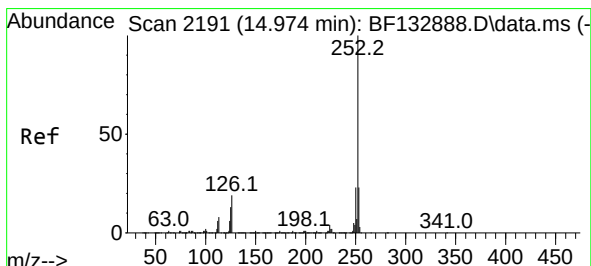
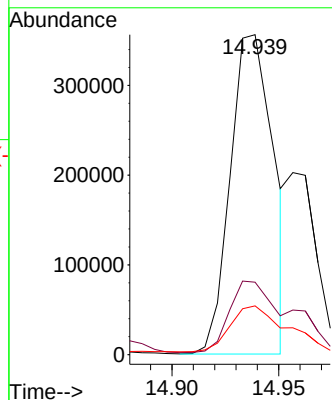
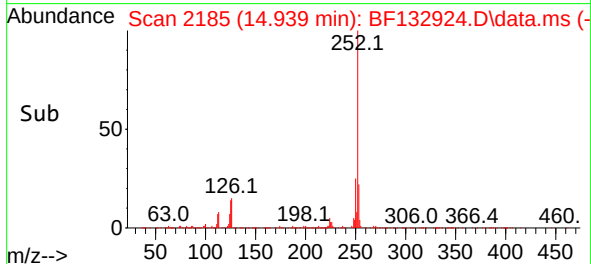
Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17



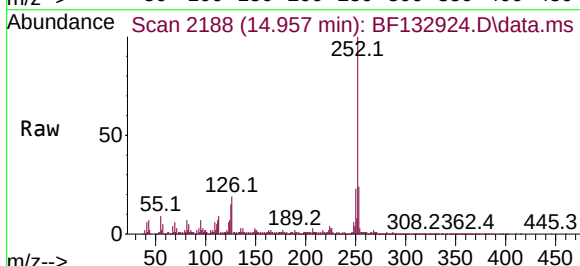
Tgt Ion:252 Resp: 501978
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 15.2 10.0 15.0

Manual Integrations
APPROVED

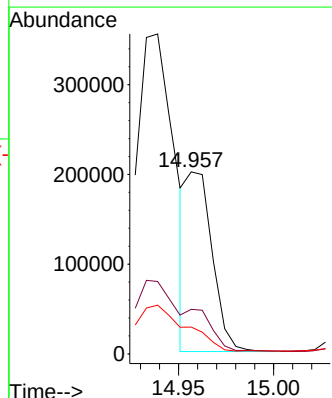
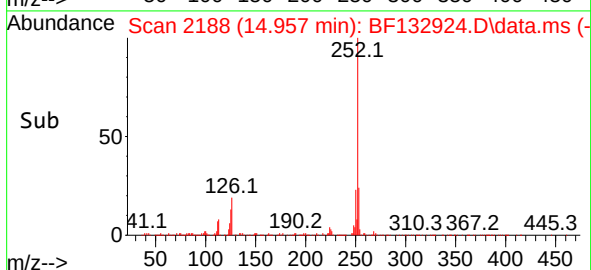
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023

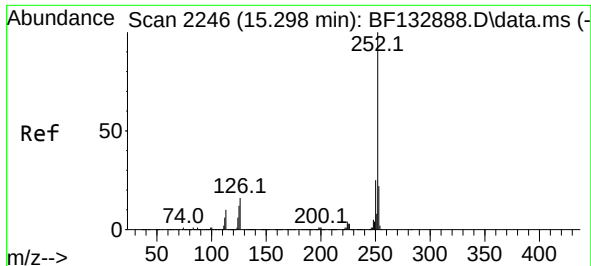


#89
Benzo(k)fluoranthene
Concen: 4.809 ng m
RT: 14.957 min Scan# 2188
Delta R.T. -0.018 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43



Tgt Ion:252 Resp: 187973
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 14.7 10.0 15.0





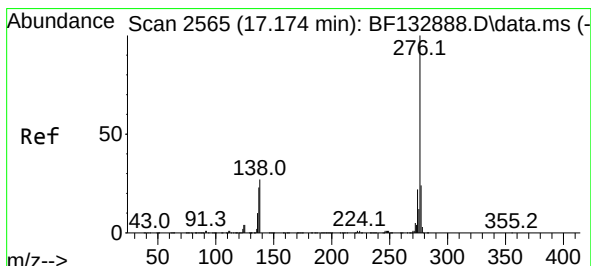
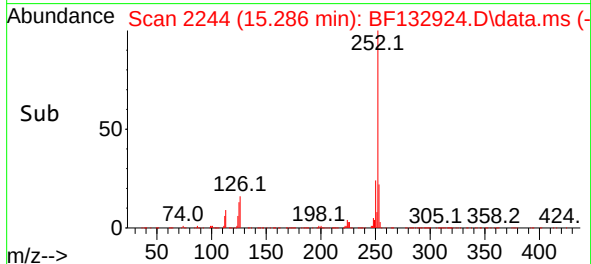
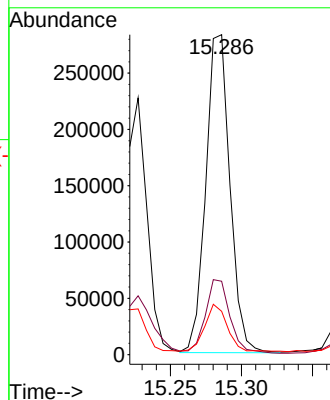
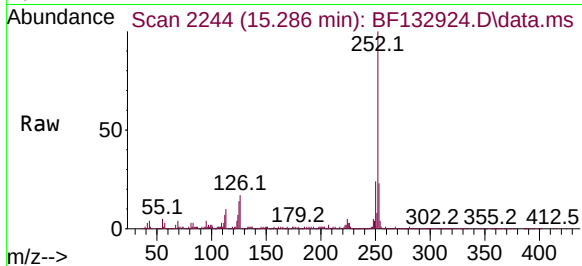
#90
Benzo(a)pyrene
Concen: 9.320 ng
RT: 15.286 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Instrument :
BNA_F
ClientSampleId :
SPB-2WC-23-04-17

Tgt Ion:252 Resp: 334109
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 13.6 9.9 14.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#92
Benzo(g,h,i)perylene
Concen: 6.493 ng
RT: 17.151 min Scan# 2561
Delta R.T. -0.023 min
Lab File: BF132924.D
Acq: 19 Apr 2023 21:43

Tgt Ion:276 Resp: 190671
Ion Ratio Lower Upper
276 100
277 22.4 18.9 28.3
138 27.0 21.7 32.5

