

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133422.D
 Acq On : 17 May 2023 19:51
 Operator : CG\JU
 Sample : 02812-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B4-0-10

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023

Quant Time: May 18 04:05:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	217051	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	875852	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	447642	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	804063	20.000	ng	-0.01
76) Chrysene-d12	13.868	240	385901	20.000	ng	-0.02
86) Perylene-d12	15.292	264	489007	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1386492	96.496	ng	0.00
7) Phenol-d6	6.363	99	1720153	96.452	ng	0.00
23) Nitrobenzene-d5	7.281	82	1051553	64.805	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	432874	96.154	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1878740	70.215	ng	-0.01
79) Terphenyl-d14	12.821	244	1939545	86.682	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.257	178	664061	15.366	ng	100
72) Anthracene	11.304	178	98167	2.220	ng	97
75) Fluoranthene	12.445	202	689072	15.887	ng	97
78) Pyrene	12.674	202	668780	20.217	ng	98
81) Benzo(a)anthracene	13.857	228	211891	7.985	ng	99
83) Chrysene	13.898	228	219475	8.273	ng	99
87) Indeno(1,2,3-cd)pyrene	16.662	276	141514	5.088	ng	93
88) Benzo(b)fluoranthene	14.886	252	269538m	8.664	ng	
89) Benzo(k)fluoranthene	14.910	252	87918m	2.851	ng	
90) Benzo(a)pyrene	15.233	252	207712	7.335	ng	100
92) Benzo(g,h,i)perylene	17.080	276	128755	5.622	ng	99

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

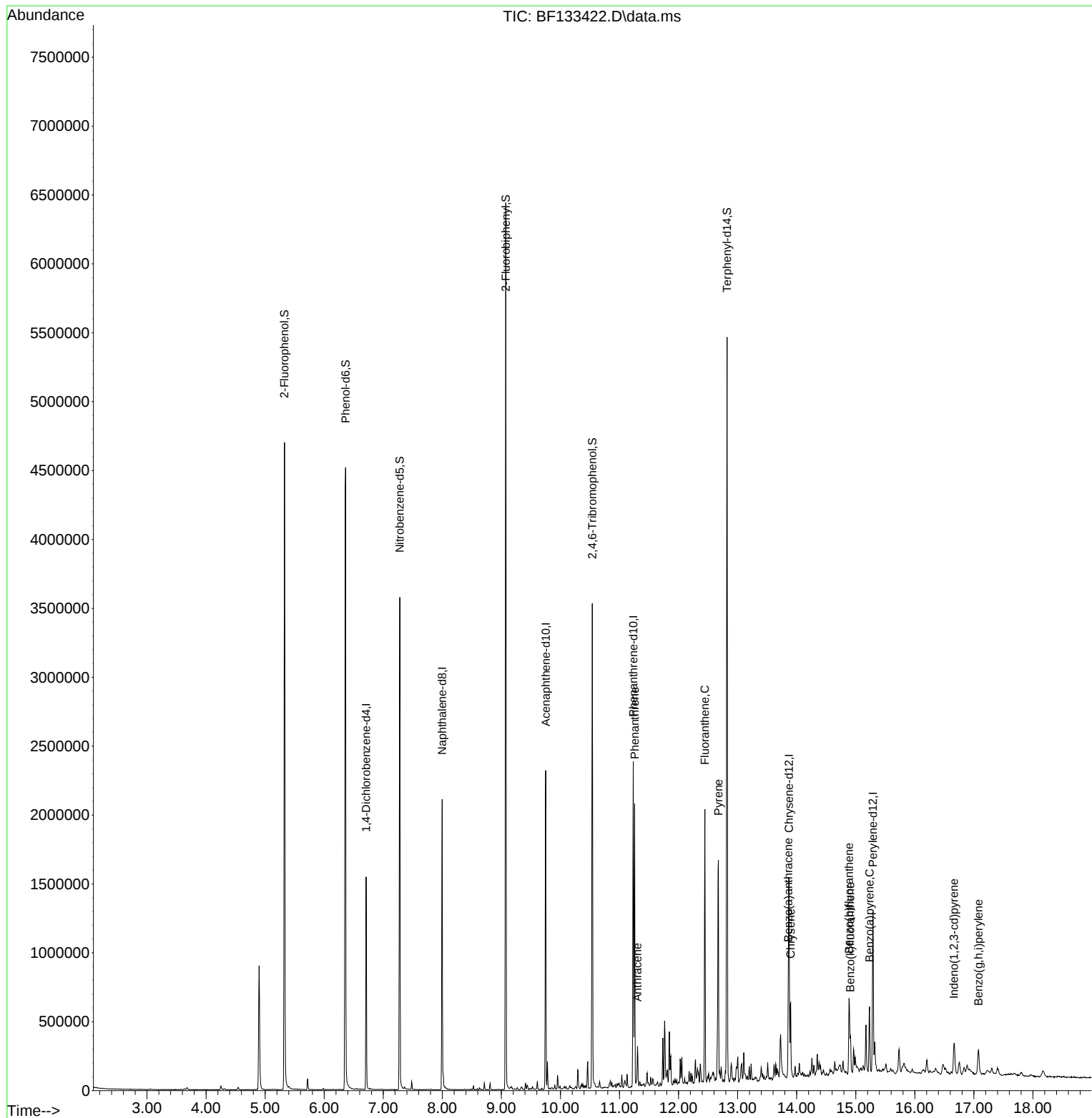
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133422.D
Acq On : 17 May 2023 19:51
Operator : CG\JU
Sample : 02812-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10

Quant Time: May 18 04:05:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

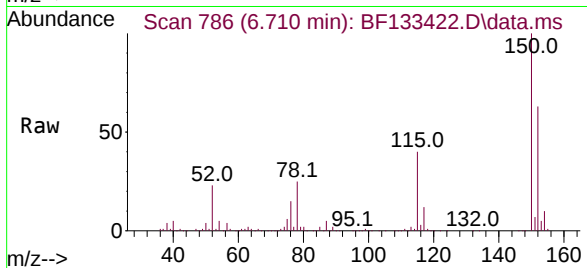
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 793
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

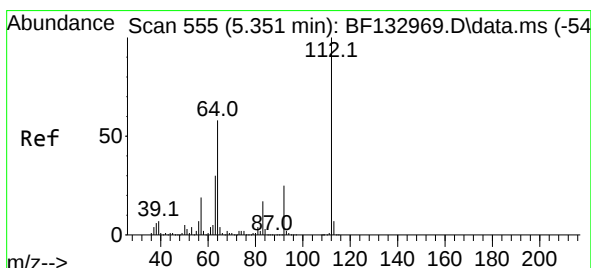
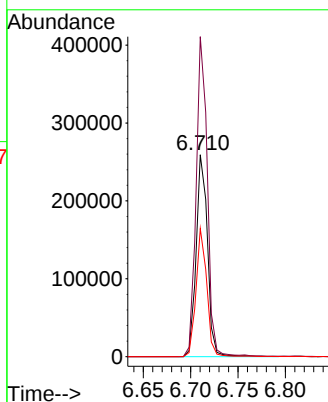
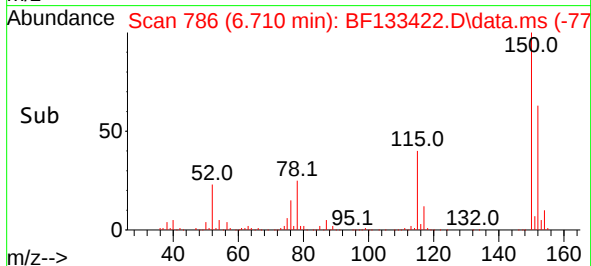
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10



Tgt Ion:152 Resp: 21705
Ion Ratio Lower Upper
152 100
150 158.5 124.8 187.2
115 63.5 49.9 74.9

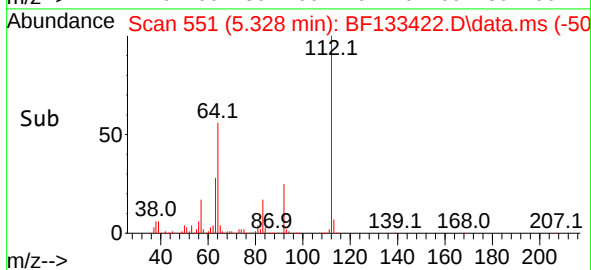
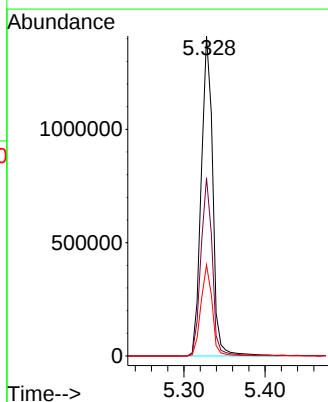
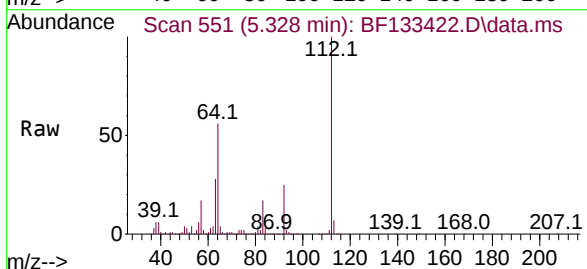
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#5
2-Fluorophenol
Concen: 96.496 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

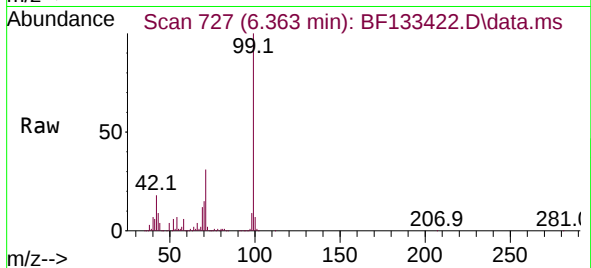
Tgt Ion:112 Resp: 1386492
Ion Ratio Lower Upper
112 100
64 55.7 46.8 70.2
63 28.4 23.8 35.8





#7
Phenol-d6
Concen: 96.452 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

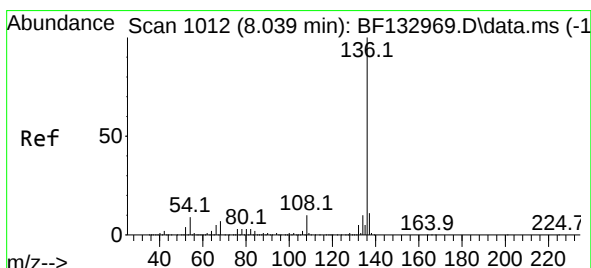
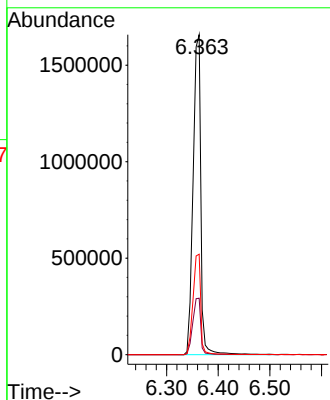
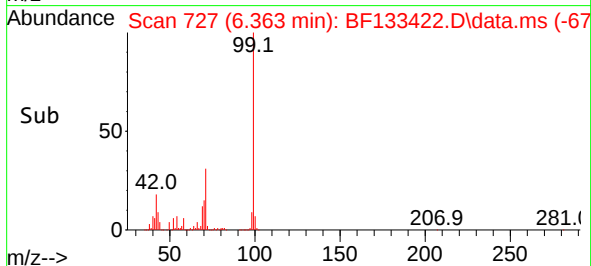
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10



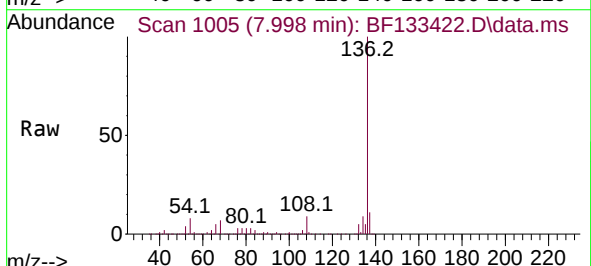
Tgt Ion: 99 Resp: 172015
Ion Ratio Lower Upper
99 100
42 17.6 16.3 24.5
71 31.4 25.6 38.4

Manual Integrations
APPROVED

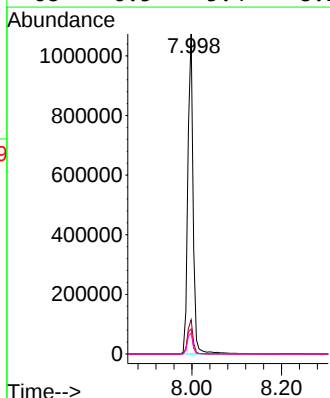
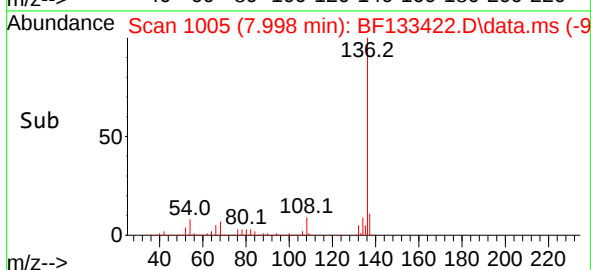
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

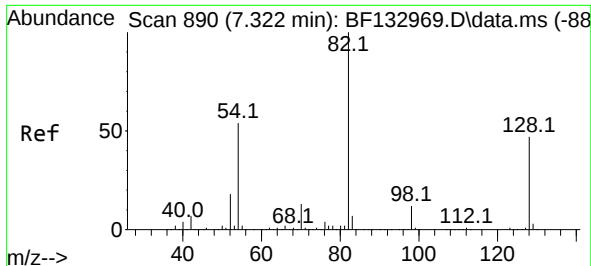


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51



Tgt Ion:136 Resp: 875852
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.8 7.0 10.4
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 64.805 ng

RT: 7.281 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

Instrument :

BNA_F

ClientSampleId :

WG-0516-B4-0-10

Tgt Ion: 82 Resp: 105155

Ion Ratio Lower Upper

82 100

128 48.7 37.7 56.5

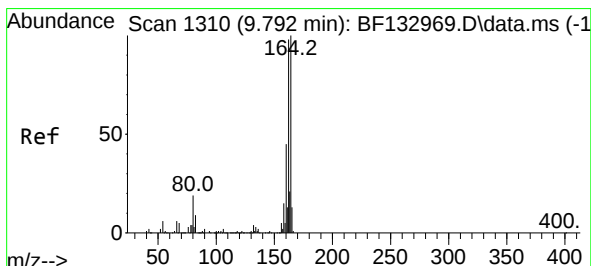
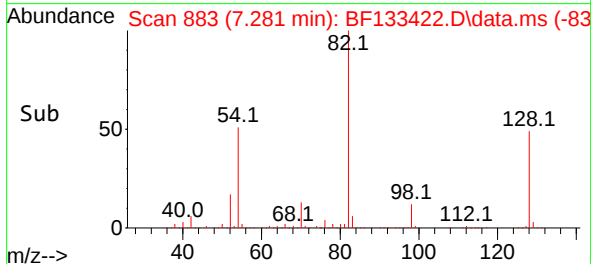
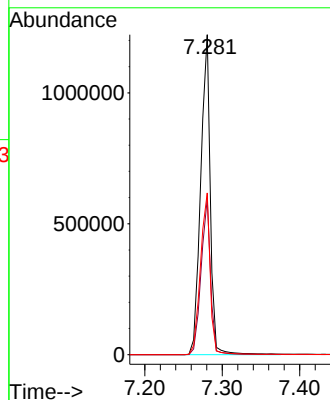
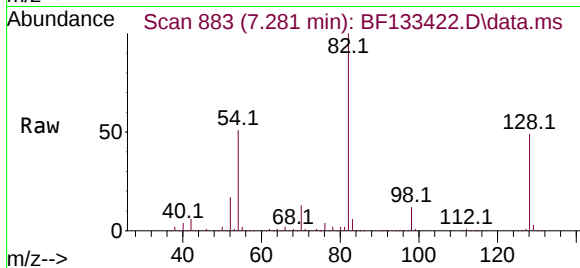
54 50.6 43.0 64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.012 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

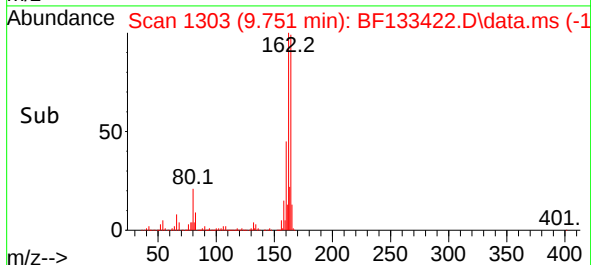
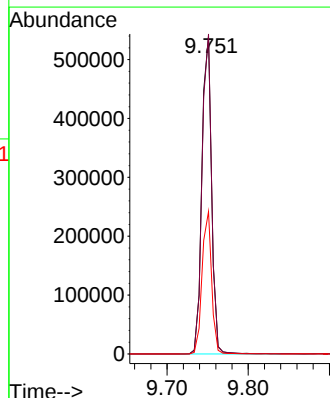
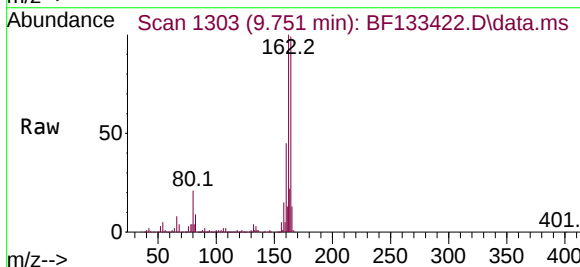
Tgt Ion:164 Resp: 447642

Ion Ratio Lower Upper

164 100

162 100.8 78.7 118.1

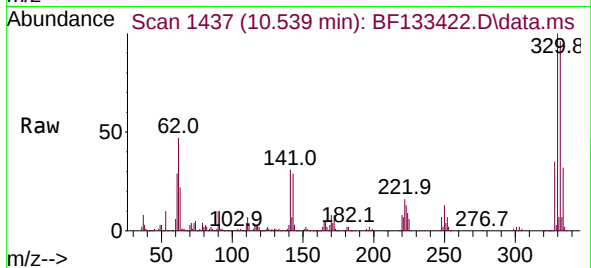
160 44.9 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 96.154 ng
RT: 10.539 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

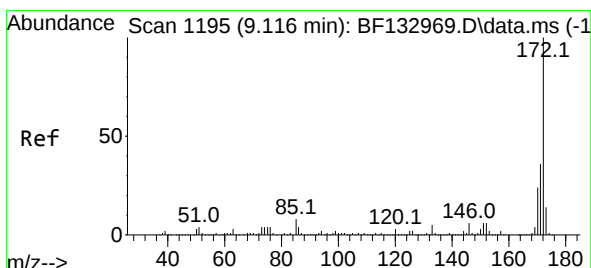
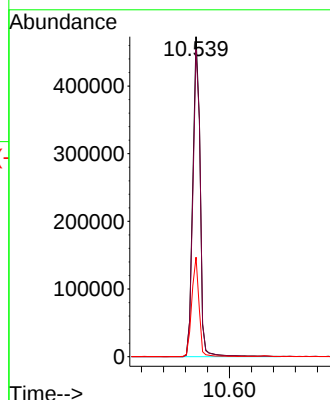
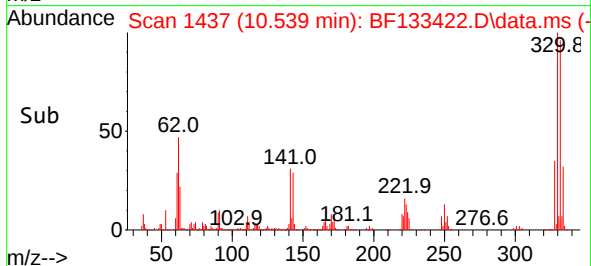
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10



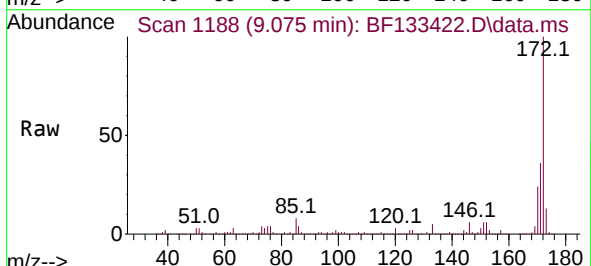
Tgt Ion: 330 Resp: 432874
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 31.2 25.8 38.8

Manual Integrations
APPROVED

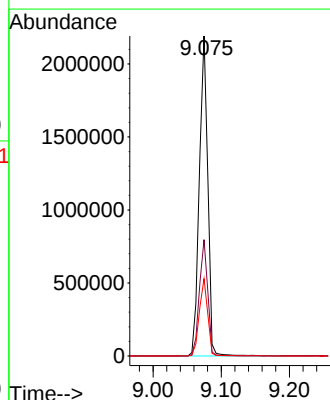
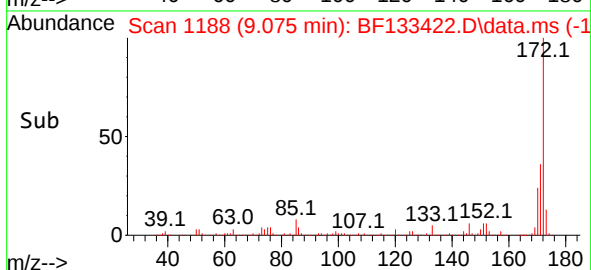
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023

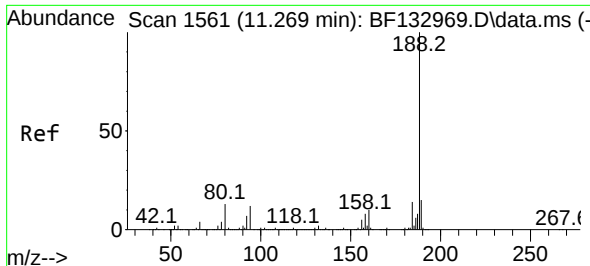


#45
2-Fluorobiphenyl
Concen: 70.215 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51



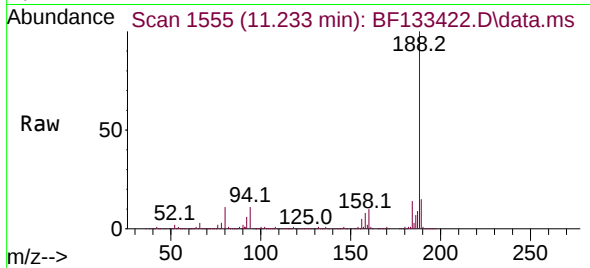
Tgt Ion: 172 Resp: 1878740
Ion Ratio Lower Upper
172 100
171 36.4 28.8 43.2
170 24.2 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

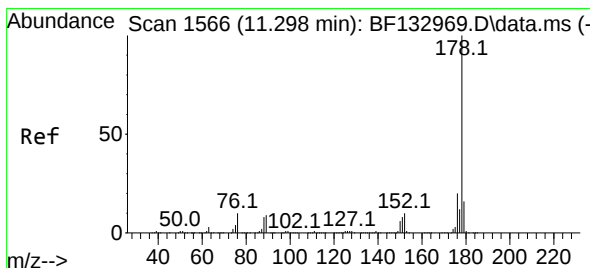
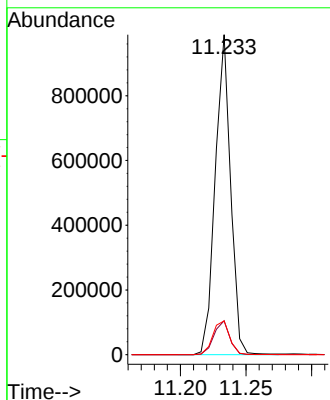
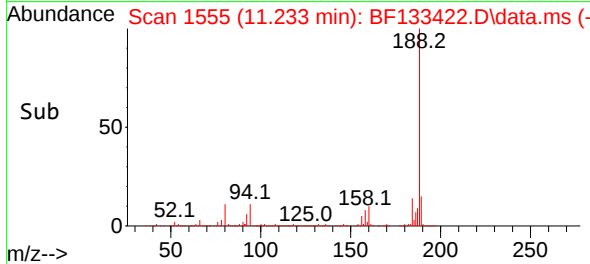
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10



Tgt Ion:188 Resp: 804061
Ion Ratio Lower Upper
188 100
94 10.6 9.7 14.5
80 10.5 10.4 15.6

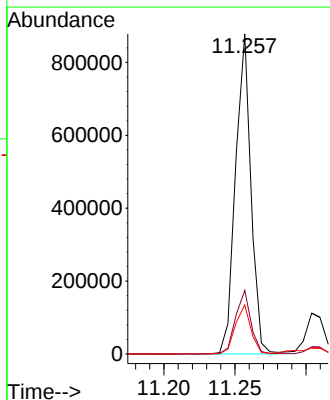
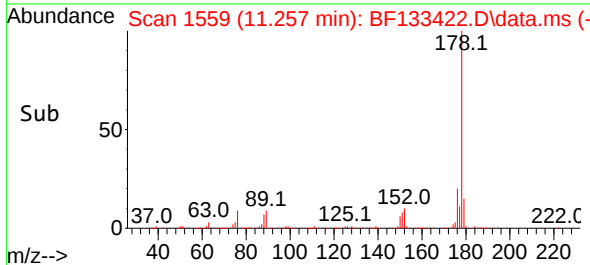
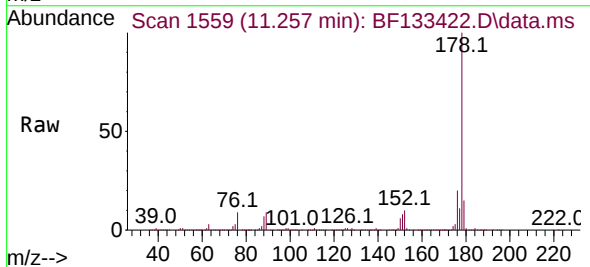
Manual Integrations
APPROVED

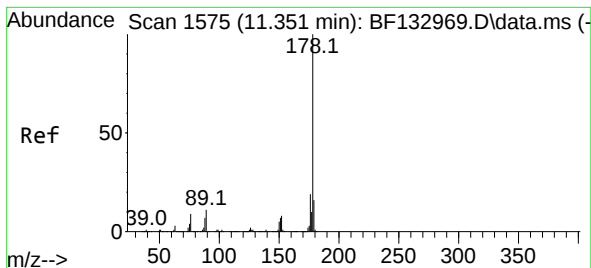
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#71
Phenanthrene
Concen: 15.366 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

Tgt Ion:178 Resp: 664061
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.3 12.5 18.7





#72

Anthracene

Concen: 2.220 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

Instrument :

BNA_F

ClientSampleId :

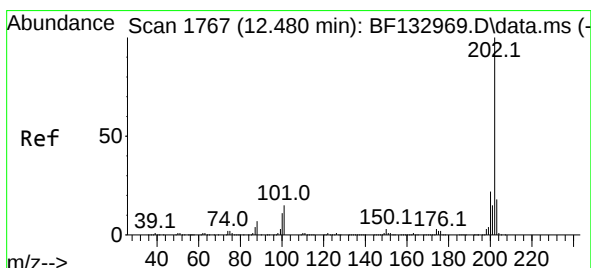
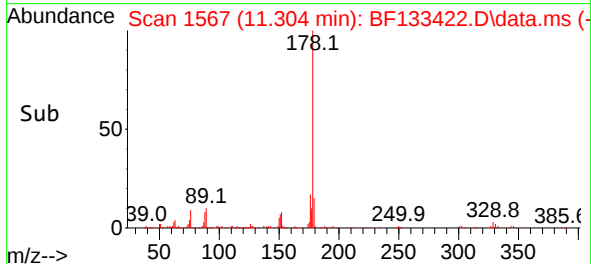
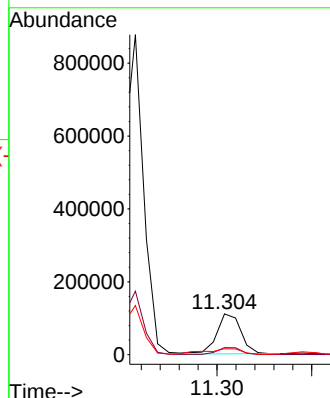
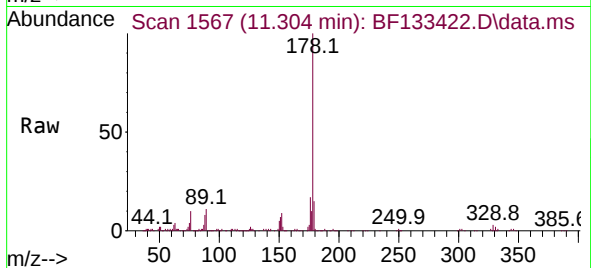
WG-0516-B4-0-10

Tgt Ion:178	Resp:	9816
Ion Ratio	Lower	Upper
178	100	
176	17.4	15.4 23.0
179	14.6	12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#75

Fluoranthene

Concen: 15.887 ng

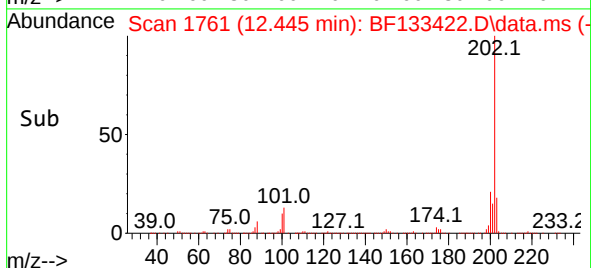
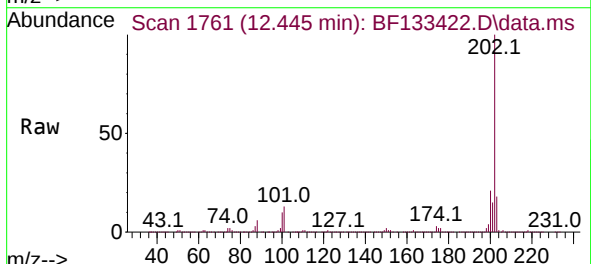
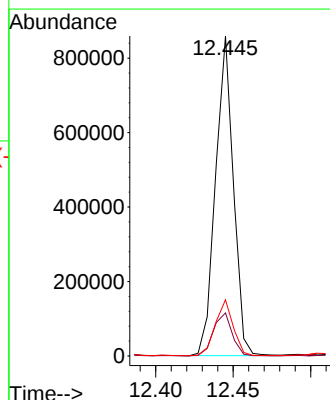
RT: 12.445 min Scan# 1761

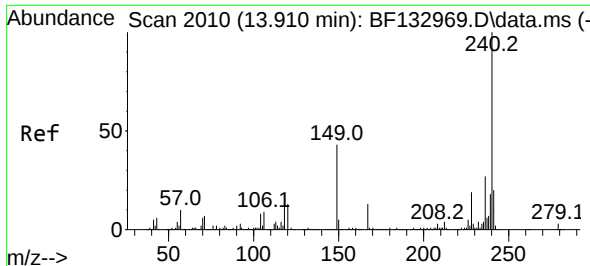
Delta R.T. -0.012 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

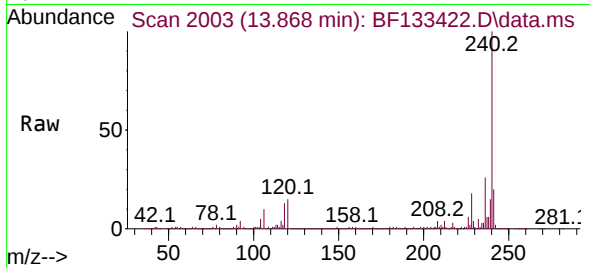
Tgt Ion:202	Resp:	689072
Ion Ratio	Lower	Upper
202	100	
101	13.4	0.0 35.3
203	17.6	0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

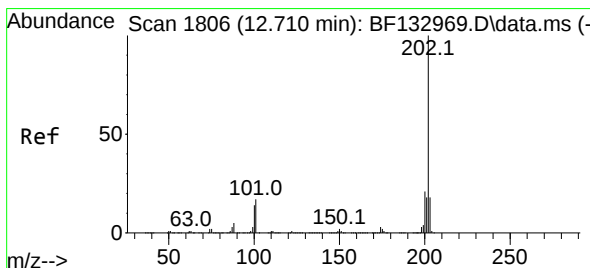
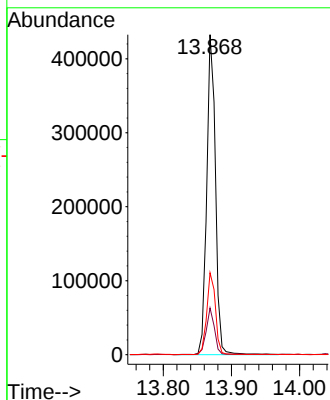
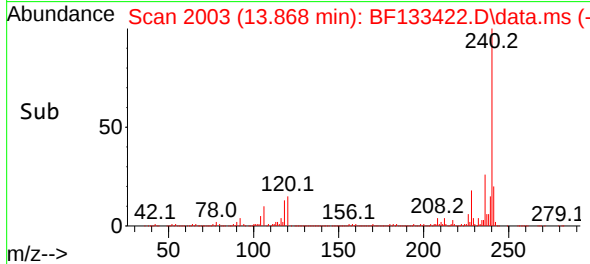
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10



Tgt Ion:240 Resp: 38590
Ion Ratio Lower Upper
240 100
120 14.6 10.5 15.7
236 25.6 21.5 32.3

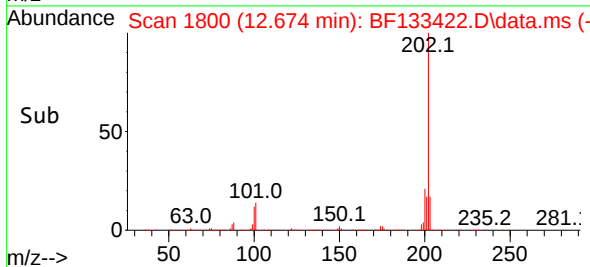
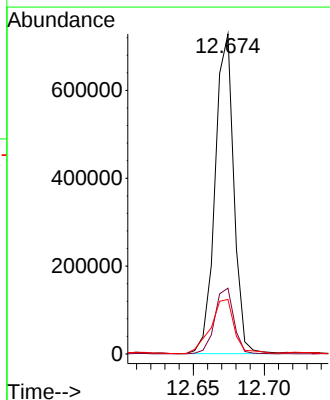
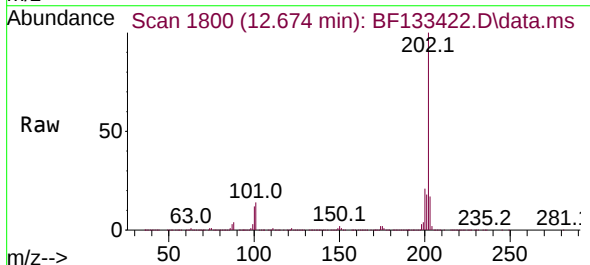
Manual Integrations
APPROVED

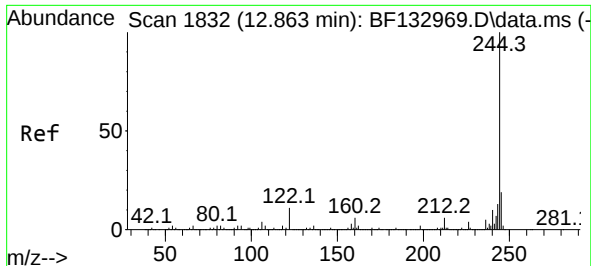
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#78
Pyrene
Concen: 20.217 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

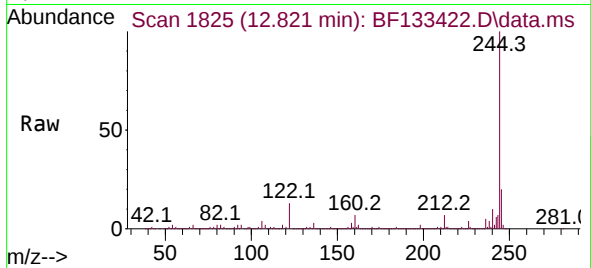
Tgt Ion:202 Resp: 668780
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 17.1 14.1 21.1





#79
 Terphenyl-d14
 Concen: 86.682 ng
 RT: 12.821 min Scan# 1832
 Delta R.T. -0.012 min
 Lab File: BF133422.D
 Acq: 17 May 2023 19:51

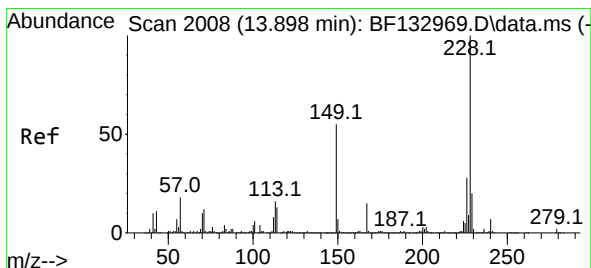
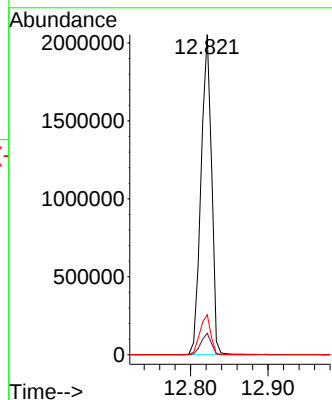
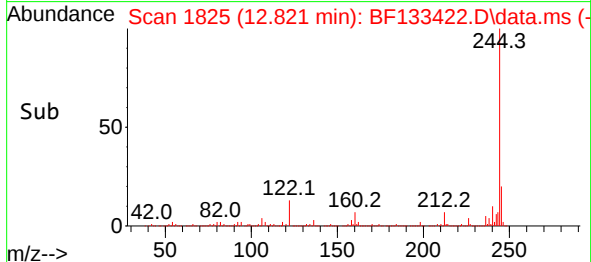
Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B4-0-10



Tgt Ion:244 Resp: 193954
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 12.5 8.6 13.0

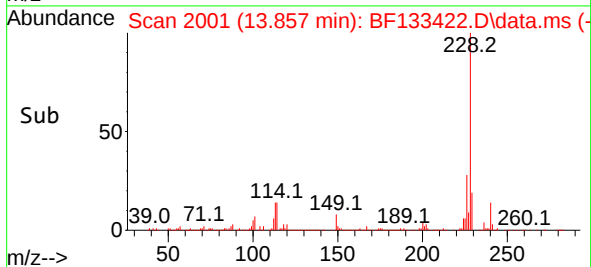
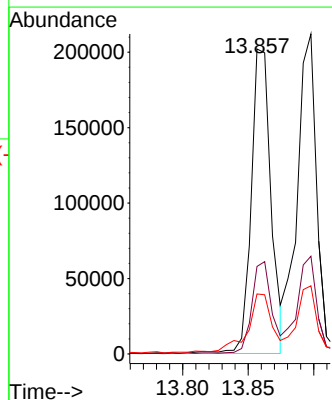
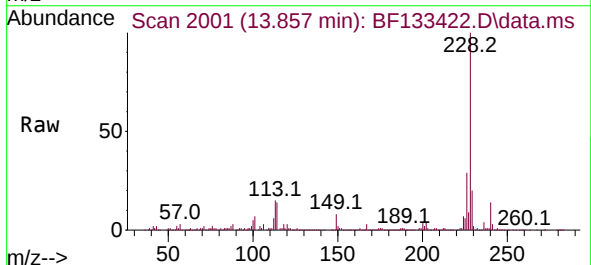
Manual Integrations
 APPROVED

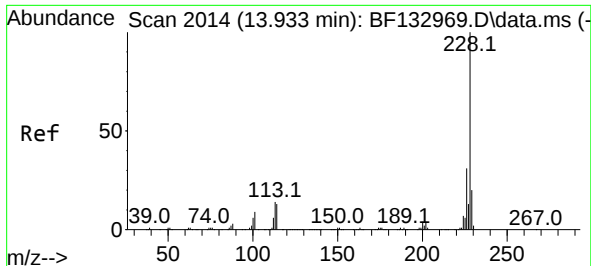
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023



#81
 Benzo(a)anthracene
 Concen: 7.985 ng
 RT: 13.857 min Scan# 2001
 Delta R.T. -0.018 min
 Lab File: BF133422.D
 Acq: 17 May 2023 19:51

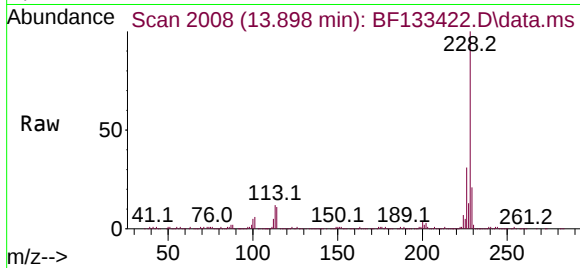
Tgt Ion:228 Resp: 211891
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.2 33.4
 229 19.7 16.0 24.0





#83
Chrysene
Concen: 8.273 ng
RT: 13.898 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

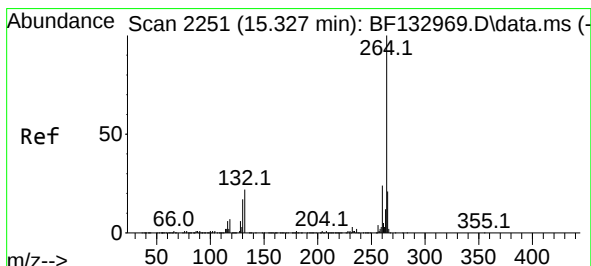
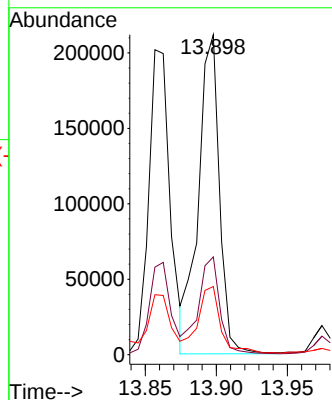
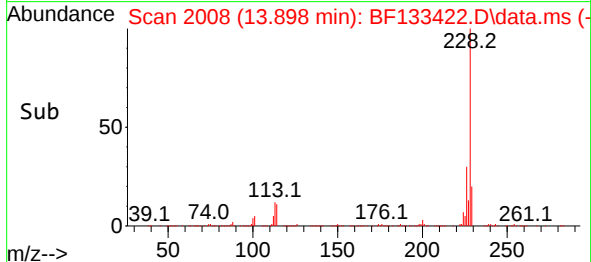
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10



Tgt Ion:228 Resp: 21947
Ion Ratio Lower Upper
228 100
226 30.5 24.7 37.1
229 21.3 16.1 24.1

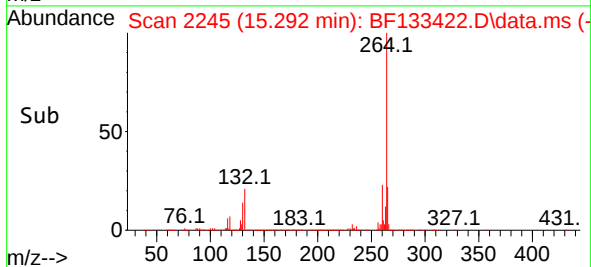
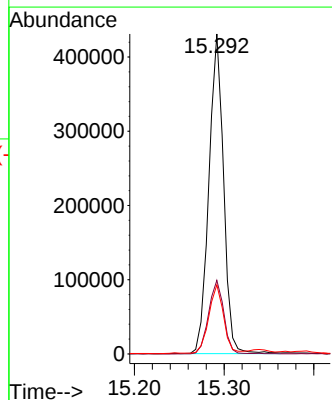
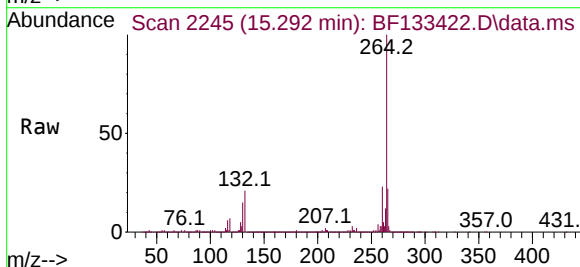
Manual Integrations
APPROVED

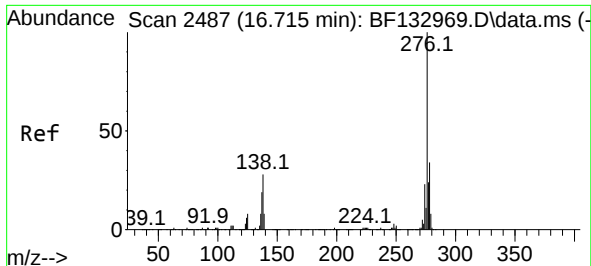
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

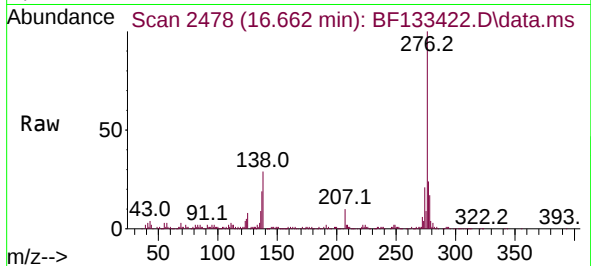
Tgt Ion:264 Resp: 489007
Ion Ratio Lower Upper
264 100
260 23.0 18.8 28.2
265 21.6 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.088 ng
RT: 16.662 min Scan# 2487
Delta R.T. -0.035 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

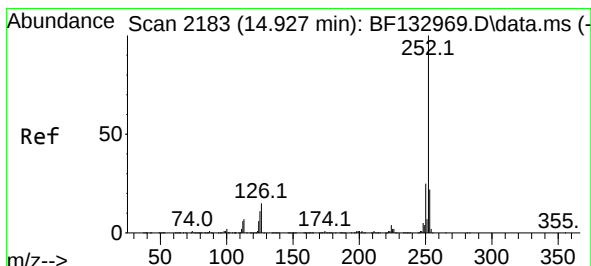
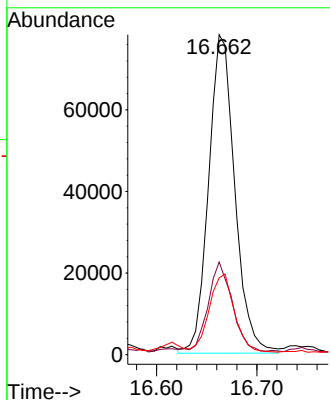
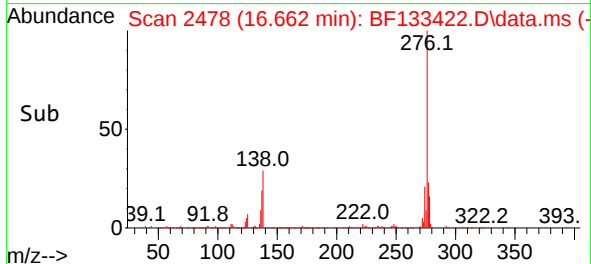
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-0-10



Tgt Ion:276 Resp: 141514
Ion Ratio Lower Upper
276 100
138 26.5 25.5 38.3
277 23.7 20.4 30.6

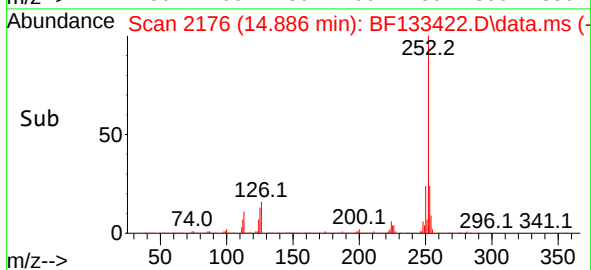
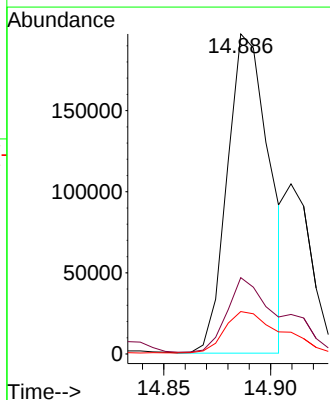
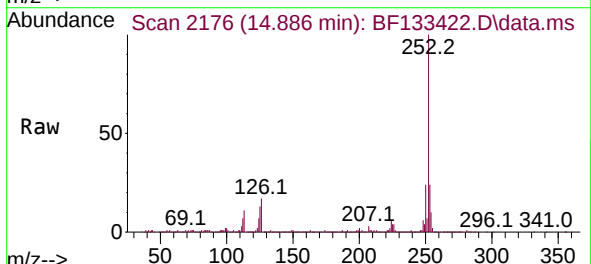
Manual Integrations
APPROVED

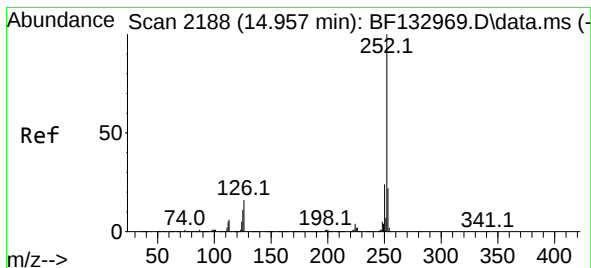
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#88
Benzo(b)fluoranthene
Concen: 8.664 ng m
RT: 14.886 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF133422.D
Acq: 17 May 2023 19:51

Tgt Ion:252 Resp: 269538
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 13.3 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 2.851 ng m

RT: 14.910 min Scan# 2188

Delta R.T. -0.018 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

Instrument :

BNA_F

ClientSampleId :

WG-0516-B4-0-10

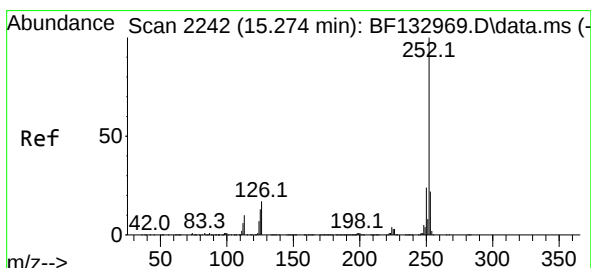
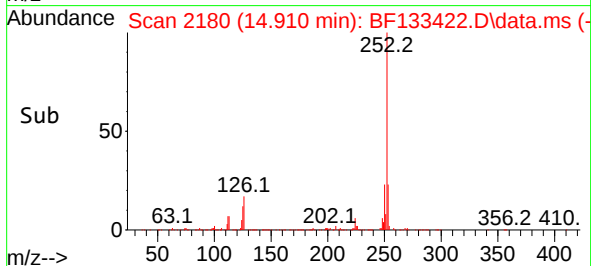
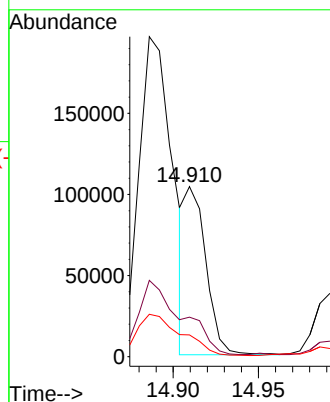
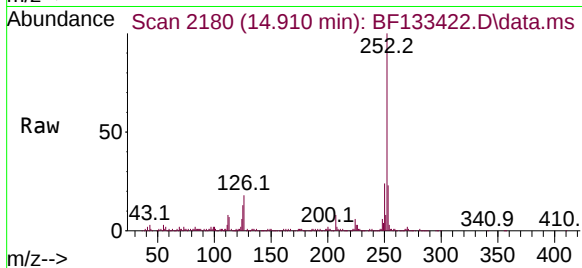
Tgt Ion:	252	Resp:	87918
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.7	26.5
125	12.8	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#90

Benzo(a)pyrene

Concen: 7.335 ng

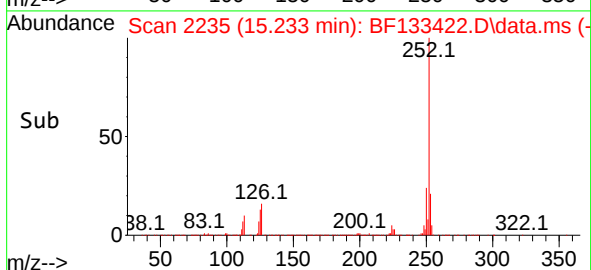
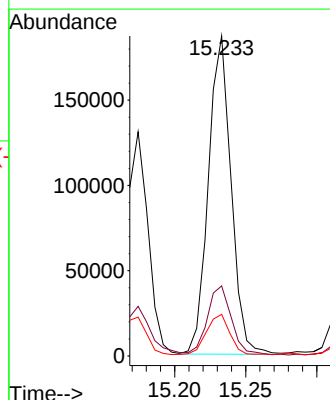
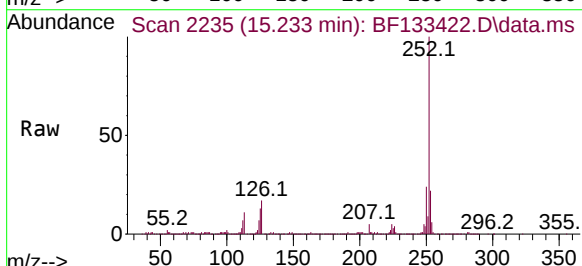
RT: 15.233 min Scan# 2235

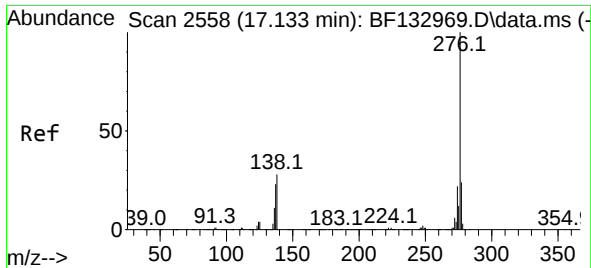
Delta R.T. -0.012 min

Lab File: BF133422.D

Acq: 17 May 2023 19:51

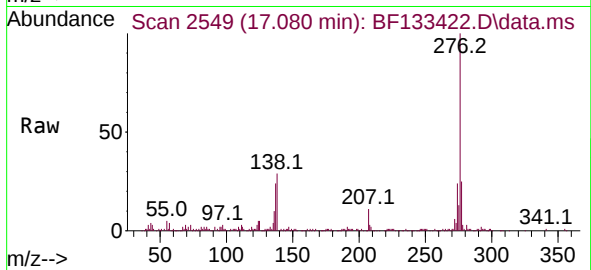
Tgt Ion:	252	Resp:	207712
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.7	26.5
125	13.0	10.5	15.7





#92
 Benzo(g,h,i)perylene
 Concen: 5.622 ng
 RT: 17.080 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF133422.D
 Acq: 17 May 2023 19:51

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B4-0-10



Tgt Ion: 276 Resp: 12875
 Ion Ratio Lower Upper
 276 100
 277 24.9 19.4 29.0
 138 28.5 22.7 34.1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023

