

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
 Data File : BF133336.D
 Acq On : 10 May 2023 18:03
 Operator : CG\JU
 Sample : 02719-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01_0-2_20230509

Quant Time: May 11 03:41:50 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 09 04:59:36 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/11/2023
 Supervised By :Jagrut Upadhyay 05/11/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	214902	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	875138	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	457575	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	792173	20.000	ng	# 0.00
76) Chrysene-d12	13.874	240	382070	20.000	ng	0.00
86) Perylene-d12	15.292	264	453914	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1135585	79.824	ng	0.00
7) Phenol-d6	6.363	99	1367470	77.443	ng	0.00
23) Nitrobenzene-d5	7.287	82	818161	50.463	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	228374	49.627	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1498069	54.773	ng	0.00
79) Terphenyl-d14	12.827	244	1412704	63.770	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.263	178	106905	2.511	ng	97
75) Fluoranthene	12.445	202	220542	5.161	ng	98
78) Pyrene	12.674	202	195070	5.956	ng	100
81) Benzo(a)anthracene	13.863	228	77326	2.943	ng	96
83) Chrysene	13.898	228	64304	2.448	ng	97
88) Benzo(b)fluoranthene	14.892	252	88065m	3.050	ng	
90) Benzo(a)pyrene	15.233	252	66301	2.522	ng	99
92) Benzo(g,h,i)perylene	17.074	276	44608	2.098	ng	99

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

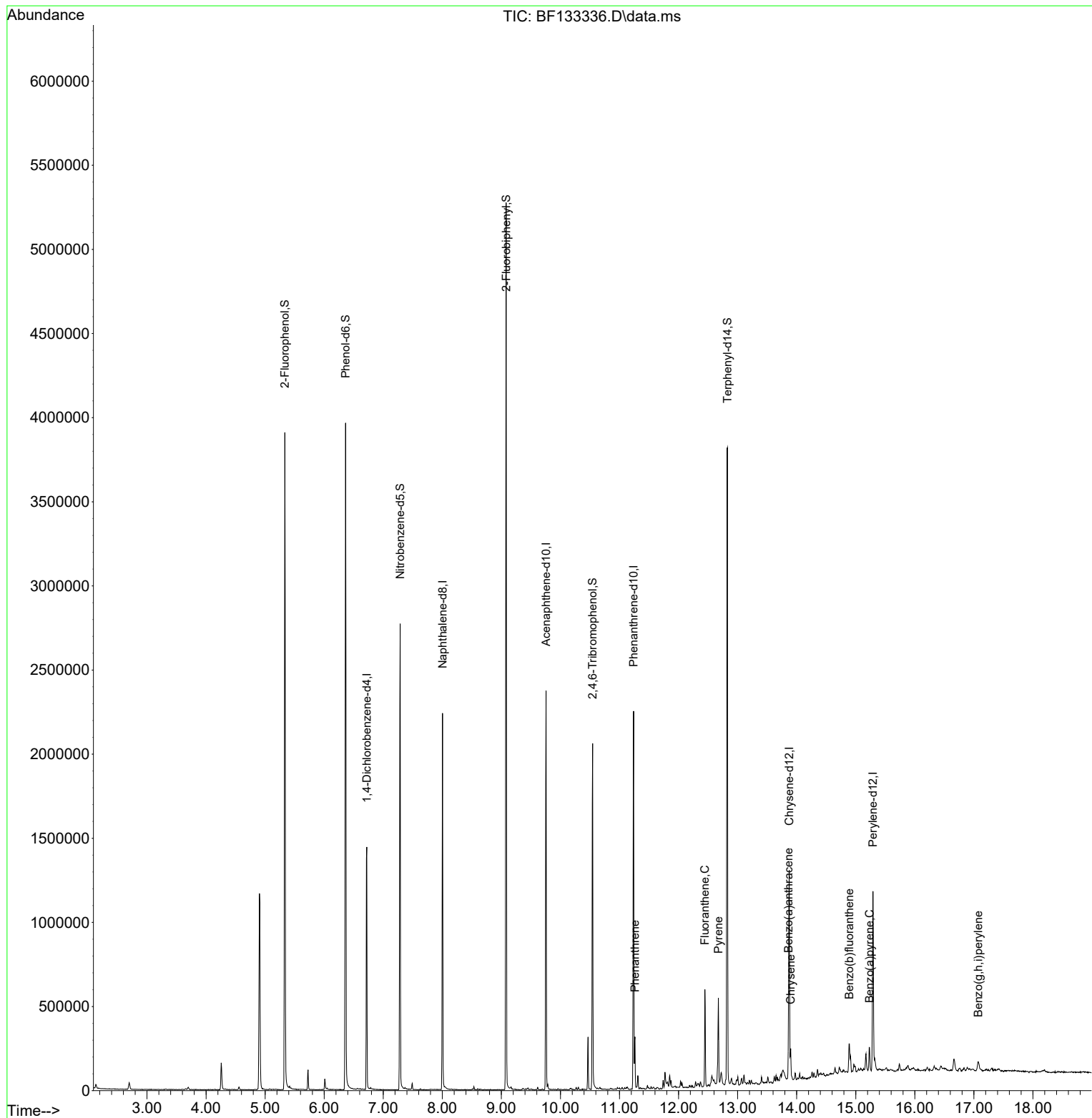
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
Data File : BF133336.D
Acq On : 10 May 2023 18:03
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ALS Vial : 12 Sample Multiplier: 1

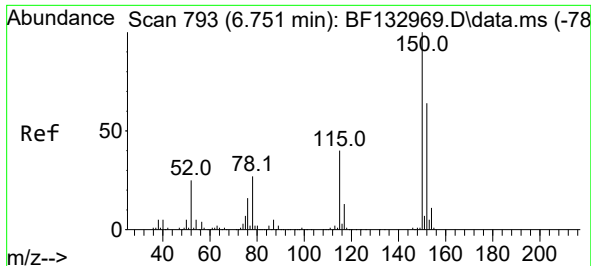
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509

Quant Time: May 11 03:41:50 2023
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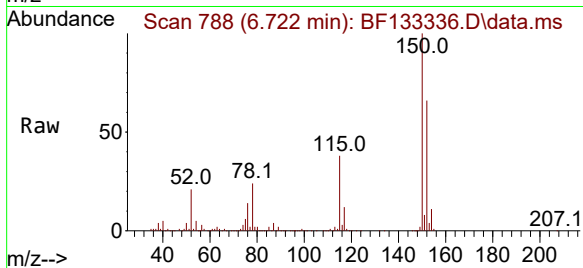
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 793
Delta R.T. -0.000 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

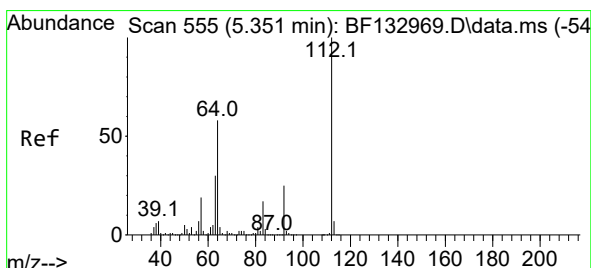
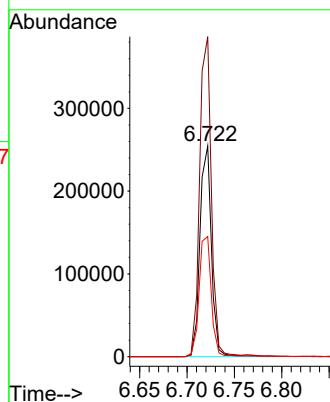
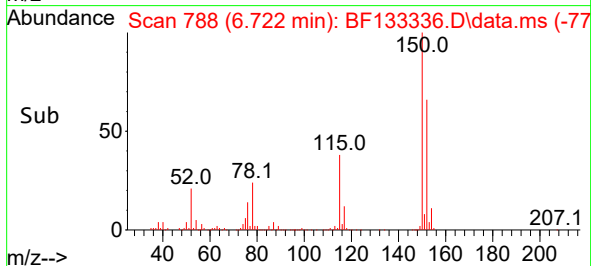
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509



Tgt Ion:152 Resp: 21490
Ion Ratio Lower Upper
152 100
150 151.9 124.8 187.2
115 57.0 49.9 74.9

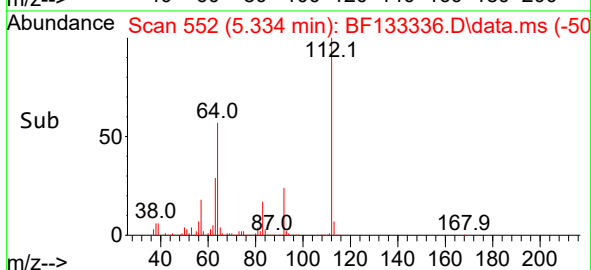
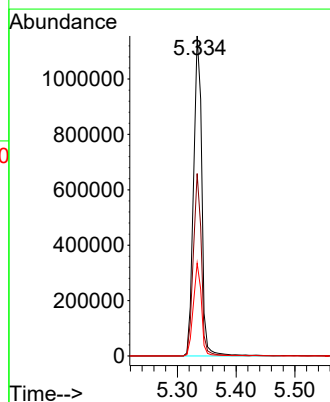
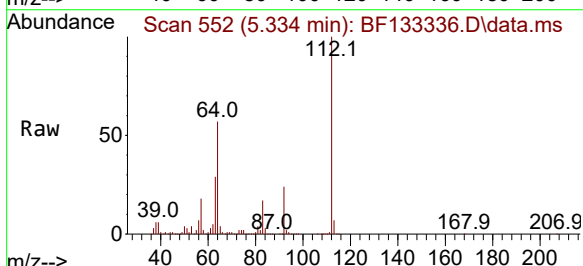
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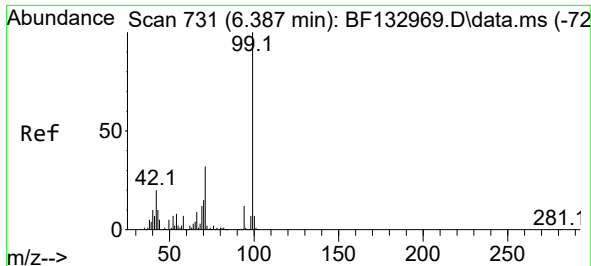
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#5
2-Fluorophenol
Concen: 79.824 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

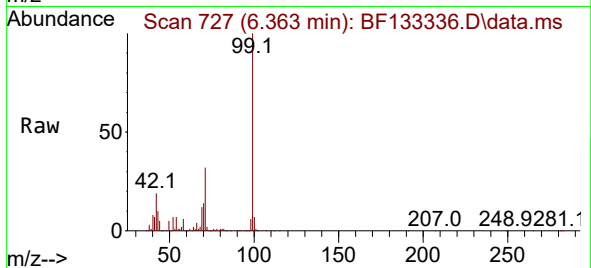
Tgt Ion:112 Resp: 1135585
Ion Ratio Lower Upper
112 100
64 57.0 46.8 70.2
63 29.0 23.8 35.8





#7
Phenol-d6
Concen: 77.443 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

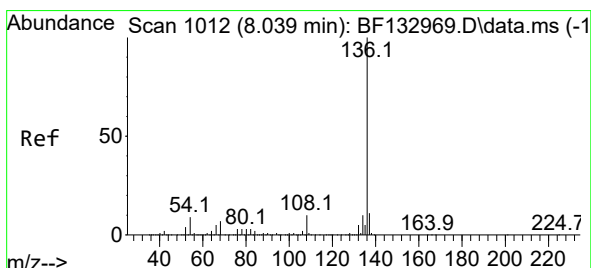
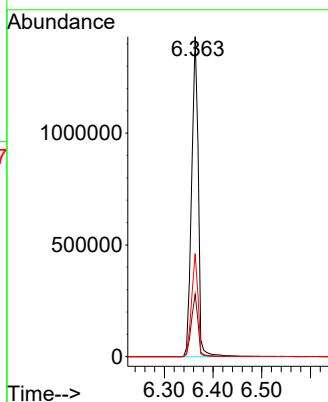
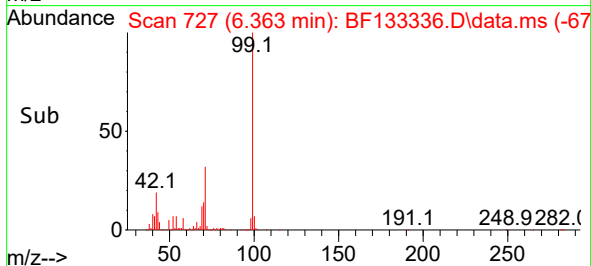
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509



Tgt Ion: 99 Resp: 1367470
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 32.2 25.6 38.4

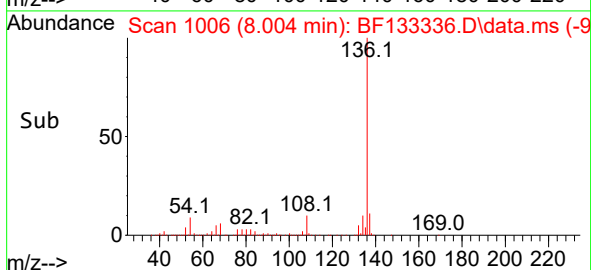
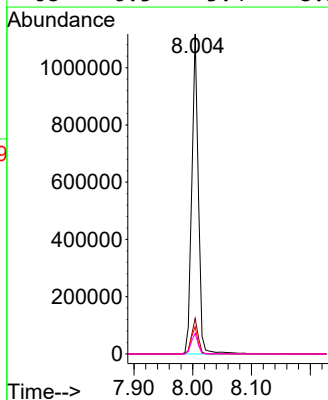
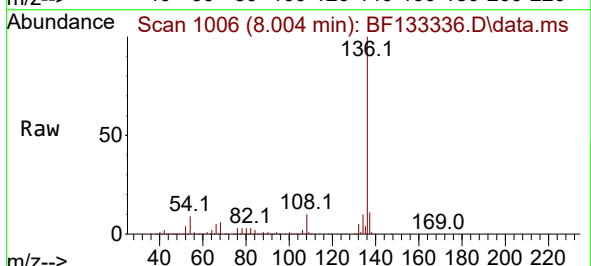
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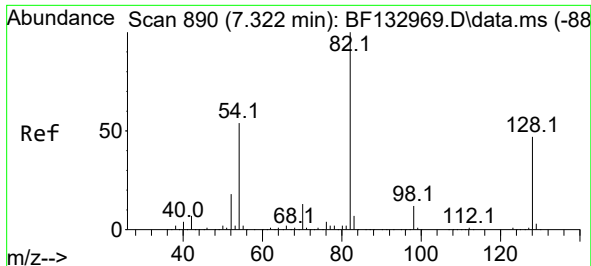
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

Tgt Ion:136 Resp: 875138
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.5 7.0 10.4
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 50.463 ng

RT: 7.287 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133336.D

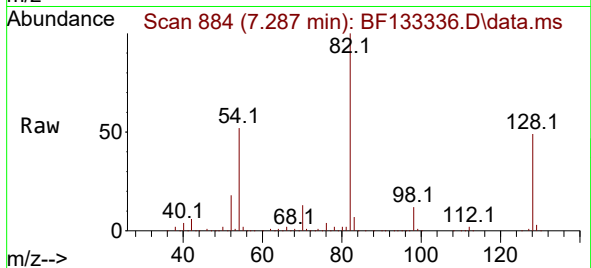
Acq: 10 May 2023 18:03

Instrument :

BNA_F

ClientSampleId :

SB-01_0-2_20230509



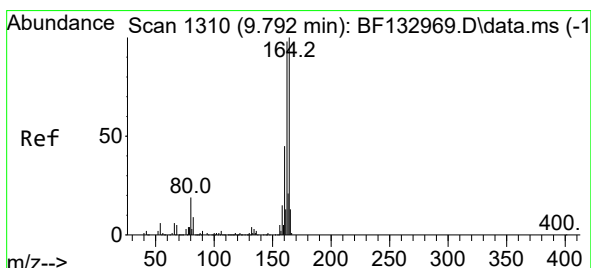
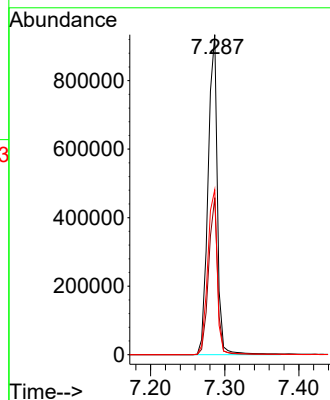
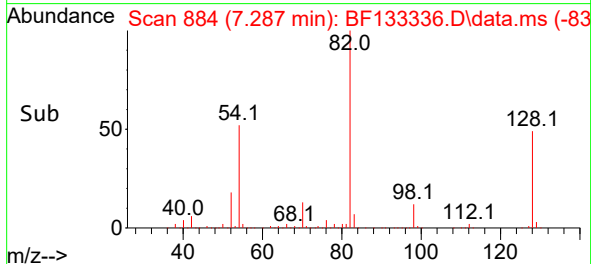
Tgt Ion: 82 Resp: 81816

Ion	Ratio	Lower	Upper
82	100		
128	49.1	37.7	56.5
54	51.6	43.0	64.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

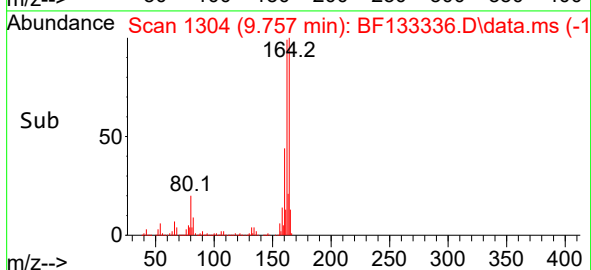
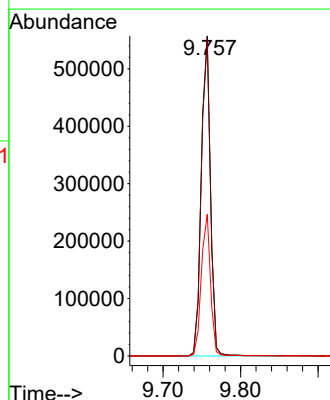
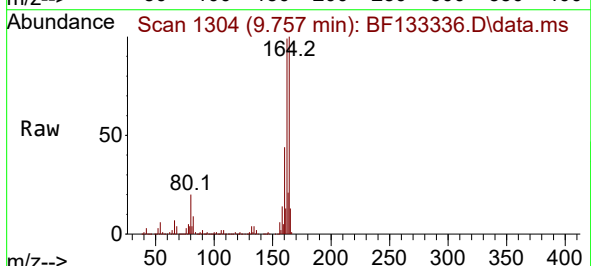
Delta R.T. -0.006 min

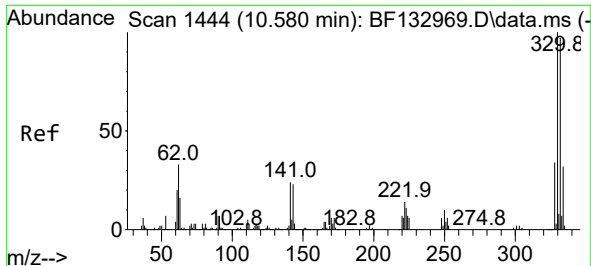
Lab File: BF133336.D

Acq: 10 May 2023 18:03

Tgt Ion:164 Resp: 457575

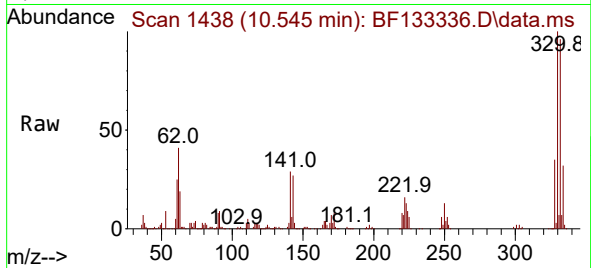
Ion	Ratio	Lower	Upper
164	100		
162	98.9	78.7	118.1
160	44.2	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 49.627 ng
RT: 10.545 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

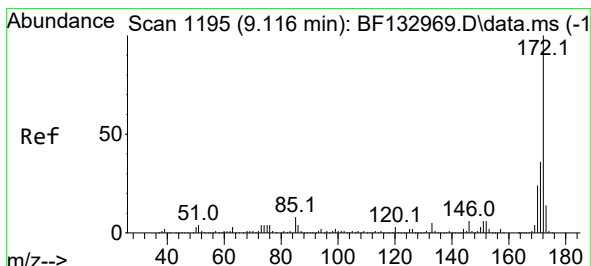
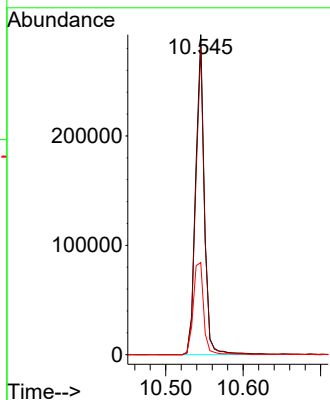
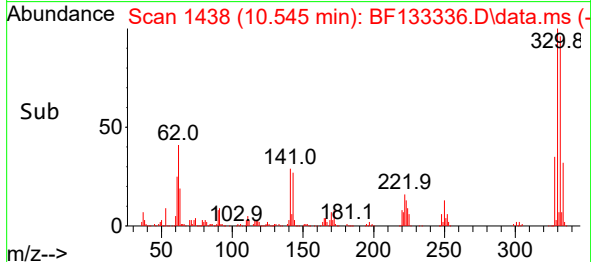
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509



Tgt Ion:330 Resp: 228374
Ion Ratio Lower Upper
330 100
332 95.3 77.1 115.7
141 34.7 25.8 38.8

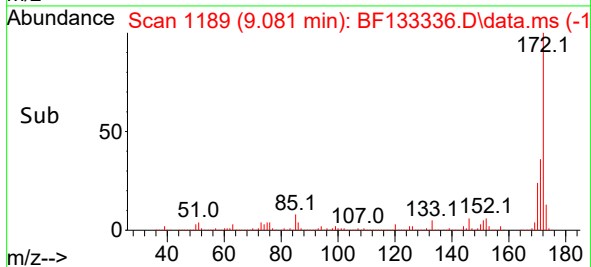
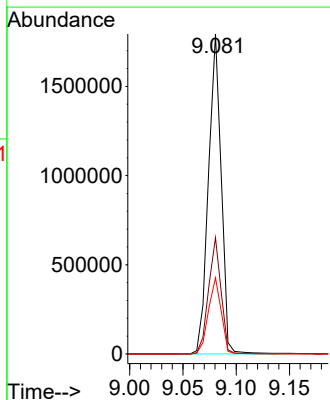
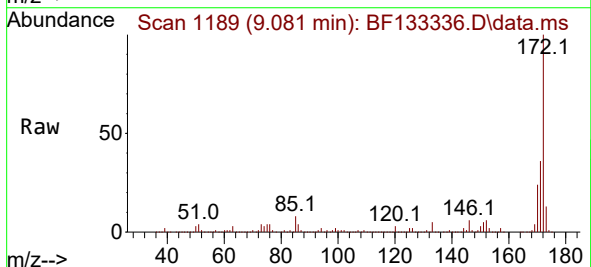
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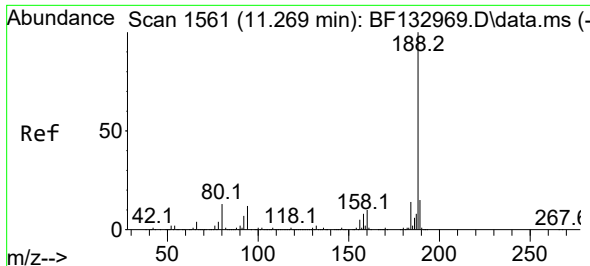
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#45
2-Fluorobiphenyl
Concen: 54.773 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

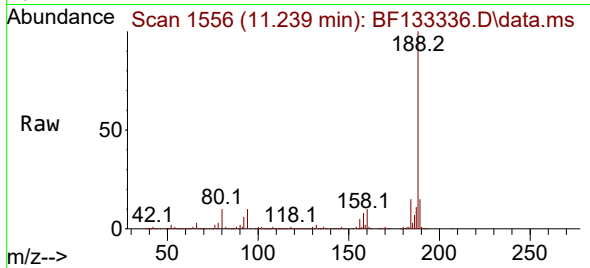
Tgt Ion:172 Resp: 1498069
Ion Ratio Lower Upper
172 100
171 36.3 28.8 43.2
170 23.8 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

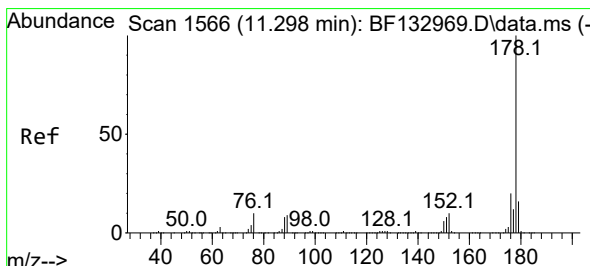
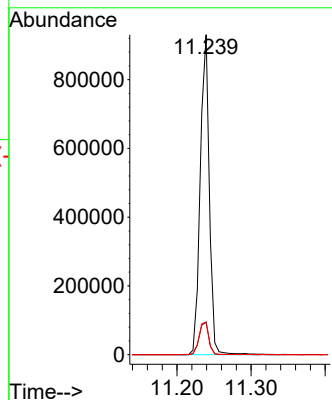
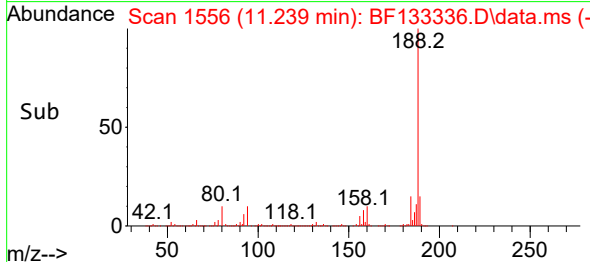
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509



Tgt Ion:188 Resp: 79217
Ion Ratio Lower Upper
188 100
94 10.1 9.7 14.5
80 10.3 10.4 15.6

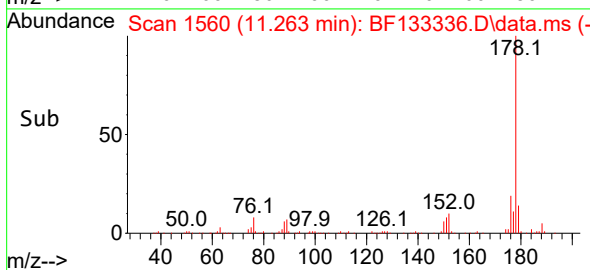
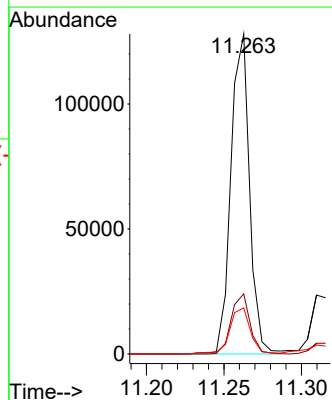
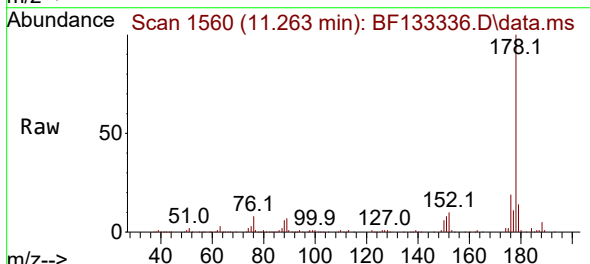
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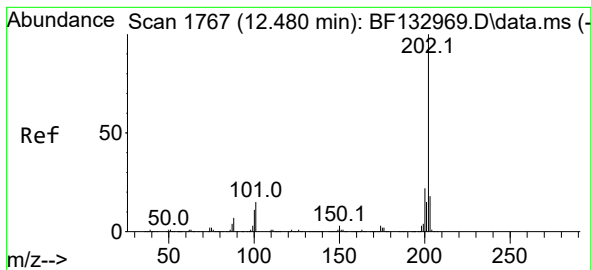
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#71
Phenanthrene
Concen: 2.511 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

Tgt Ion:178 Resp: 106905
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 14.4 12.5 18.7





#75

Fluoranthene

Concen: 5.161 ng

RT: 12.445 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133336.D

Acq: 10 May 2023 18:03

Instrument :

BNA_F

ClientSampleId :

SB-01_0-2_20230509

Tgt Ion:202 Resp: 22054

Ion Ratio Lower Upper

202 100

101 13.5 0.0 35.3

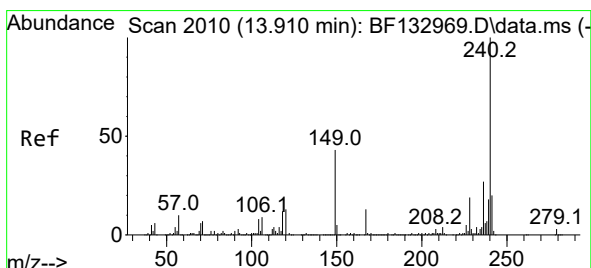
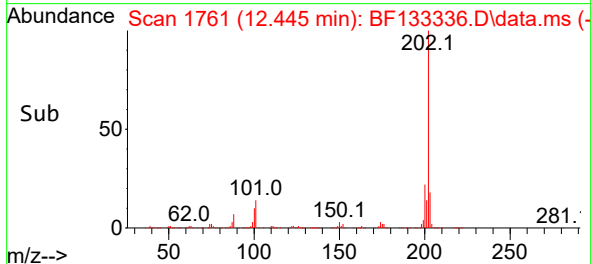
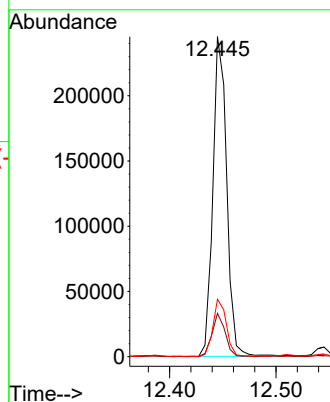
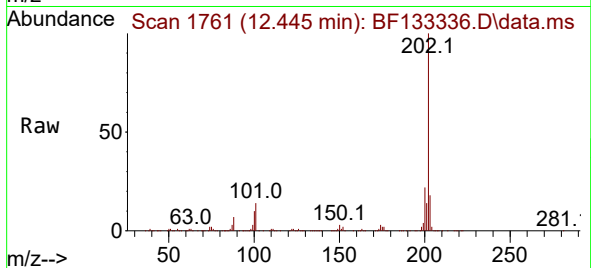
203 18.0 0.0 38.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/11/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF133336.D

Acq: 10 May 2023 18:03

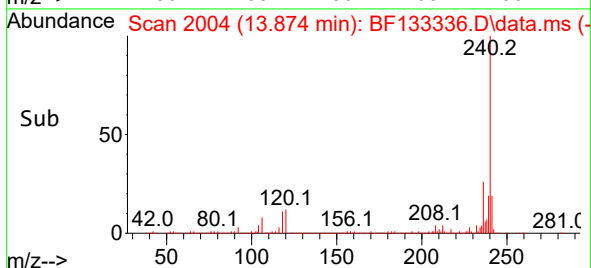
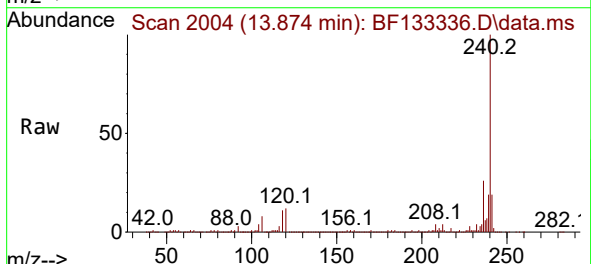
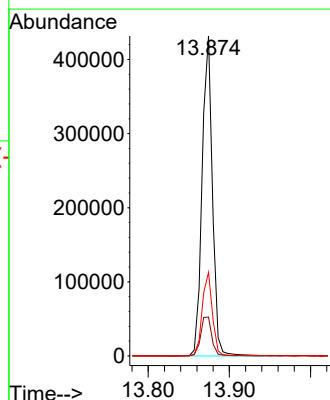
Tgt Ion:240 Resp: 382070

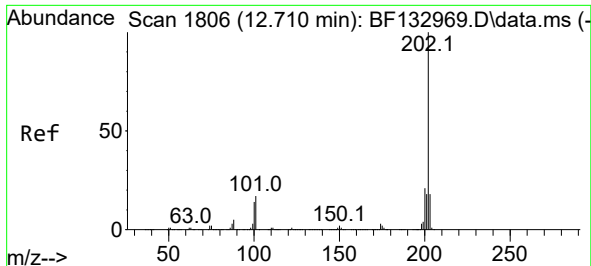
Ion Ratio Lower Upper

240 100

120 12.2 10.5 15.7

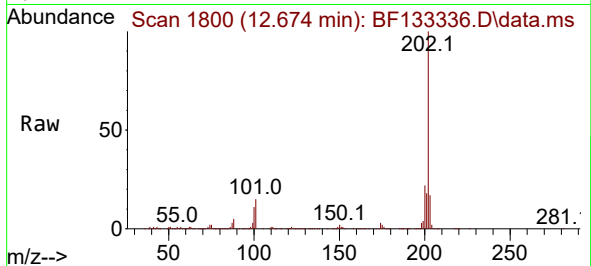
236 26.2 21.5 32.3





#78
 Pyrene
 Concen: 5.956 ng
 RT: 12.674 min Scan# 1800
 Delta R.T. -0.006 min
 Lab File: BF133336.D
 Acq: 10 May 2023 18:03

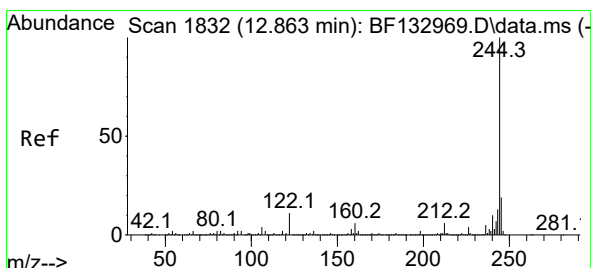
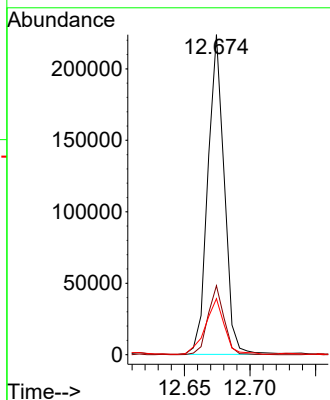
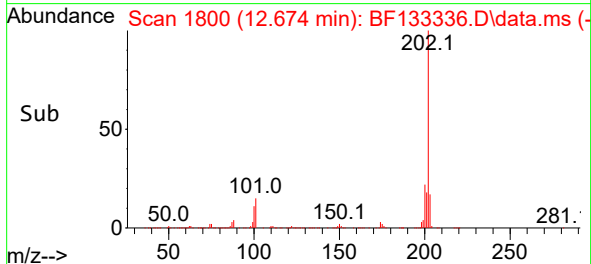
Instrument :
 BNA_F
 ClientSampleId :
 SB-01_0-2_20230509



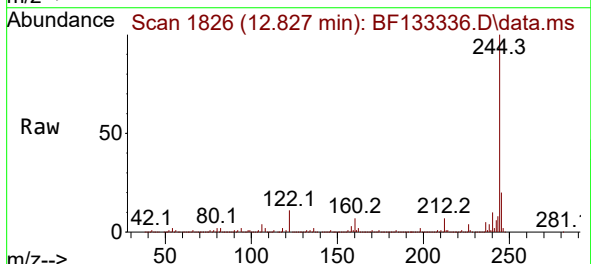
Tgt Ion:202 Resp: 195070
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.1 25.7
 203 17.5 14.1 21.1

Manual Integrations
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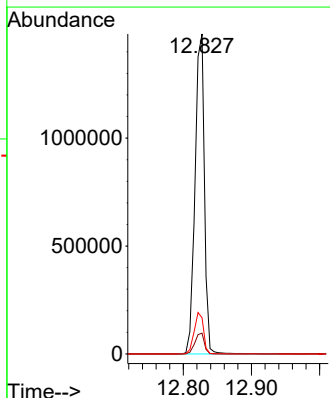
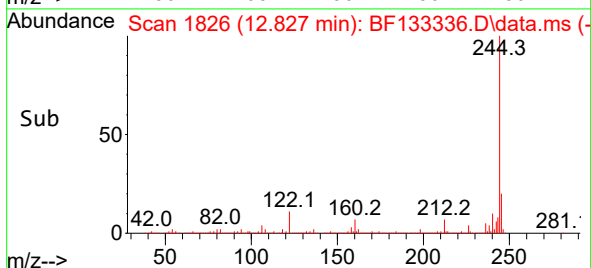
Reviewed By :Christian Giraldo 05/11/2023
 Supervised By :Jagrut Upadhyay 05/11/2023

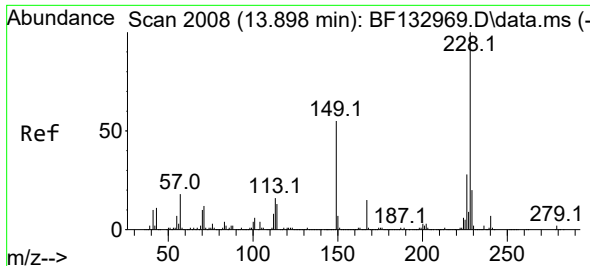


#79
 Terphenyl-d14
 Concen: 63.770 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF133336.D
 Acq: 10 May 2023 18:03



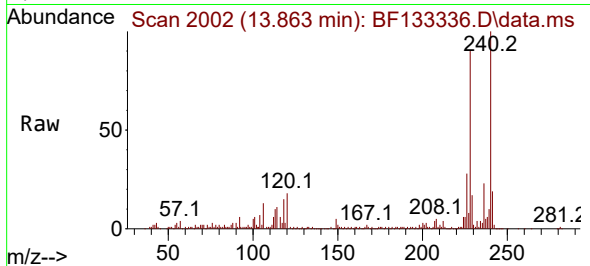
Tgt Ion:244 Resp: 1412704
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 11.3 8.6 13.0





#81
Benzo(a)anthracene
Concen: 2.943 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

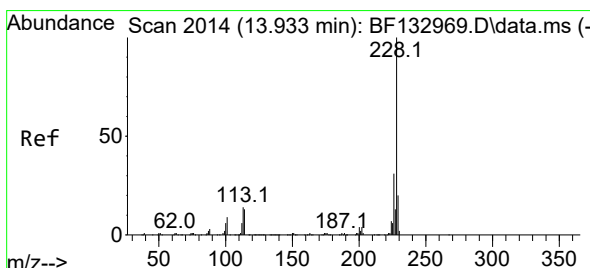
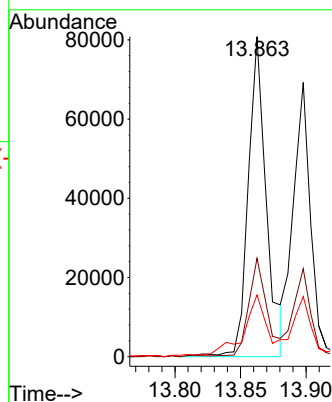
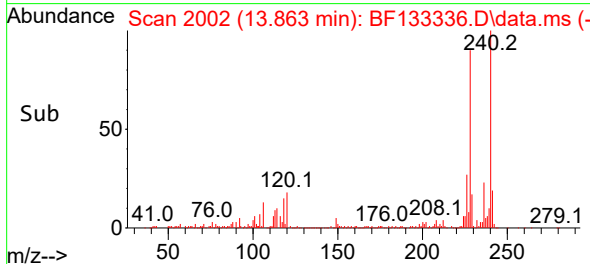
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509



Tgt Ion:228 Resp: 77320
Ion Ratio Lower Upper
228 100
226 30.8 22.2 33.4
229 19.3 16.0 24.0

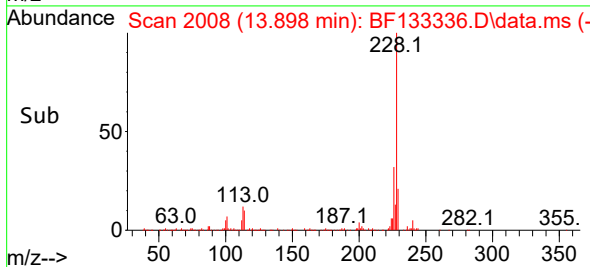
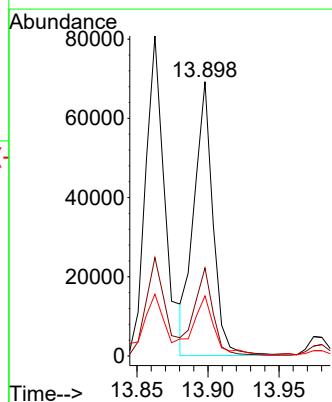
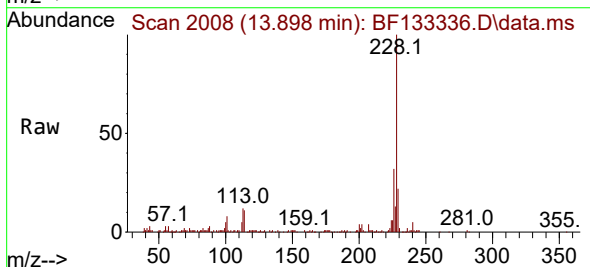
Manual Integrations
APPROVED

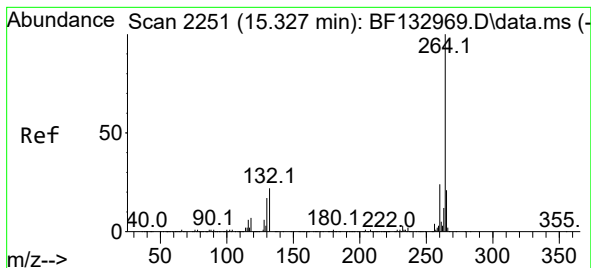
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#83
Chrysene
Concen: 2.448 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

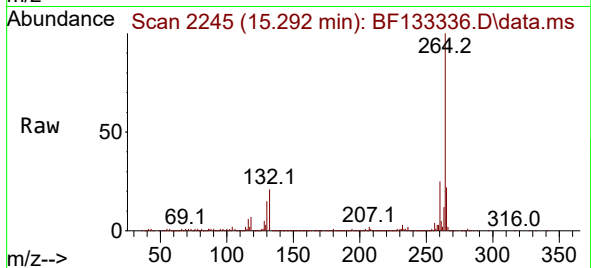
Tgt Ion:228 Resp: 64304
Ion Ratio Lower Upper
228 100
226 32.1 24.7 37.1
229 22.0 16.1 24.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2177
 Delta R.T. 0.000 min
 Lab File: BF133336.D
 Acq: 10 May 2023 18:03

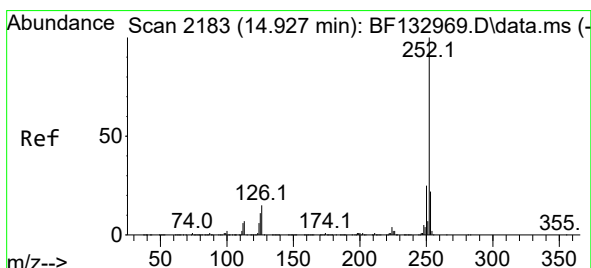
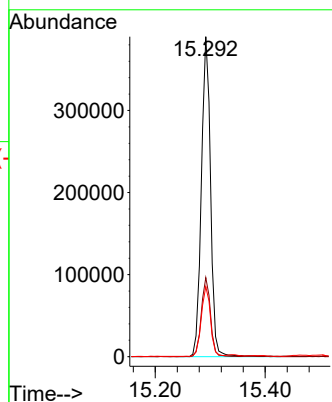
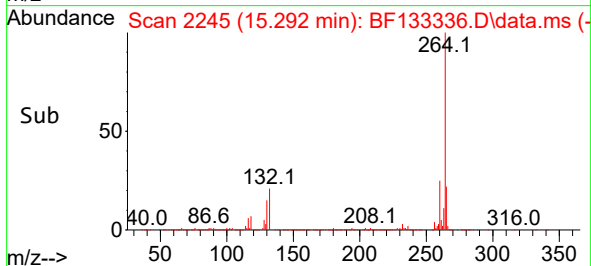
Instrument :
 BNA_F
 ClientSampleId :
 SB-01_0-2_20230509



Tgt Ion:264 Resp: 453914
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.8 28.2
 265 21.9 17.0 25.4

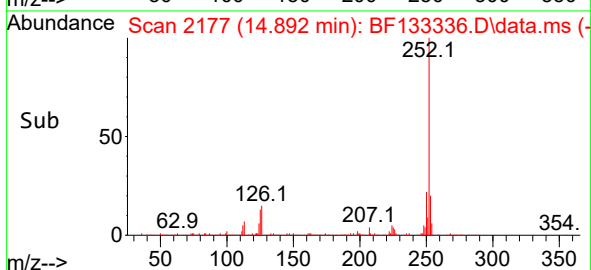
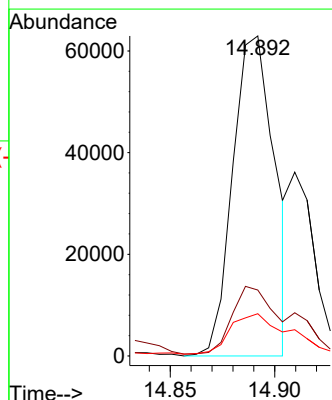
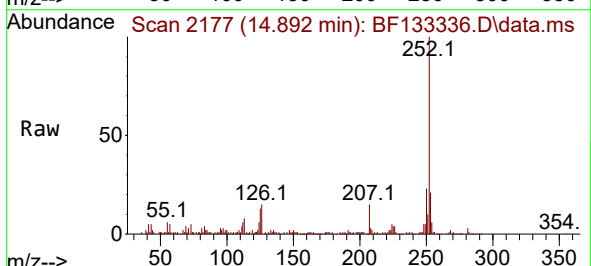
Manual Integrations
 APPROVED

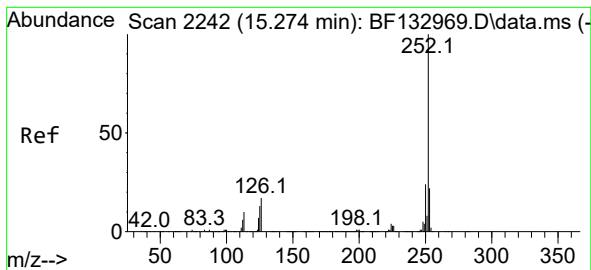
Reviewed By :Christian Giraldo 05/11/2023
 Supervised By :Jagrut Upadhyay 05/11/2023



#88
 Benzo(b)fluoranthene
 Concen: 3.050 ng m
 RT: 14.892 min Scan# 2177
 Delta R.T. 0.000 min
 Lab File: BF133336.D
 Acq: 10 May 2023 18:03

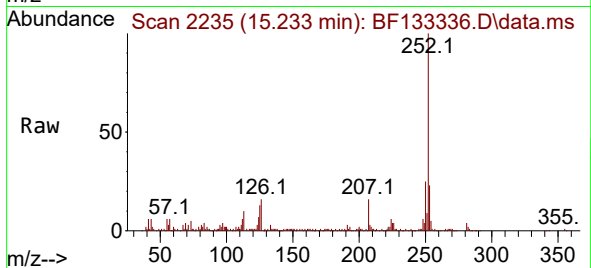
Tgt Ion:252 Resp: 88065
 Ion Ratio Lower Upper
 252 100
 253 20.6 17.6 26.4
 125 13.2 8.9 13.3





#90
Benzo(a)pyrene
Concen: 2.522 ng
RT: 15.233 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

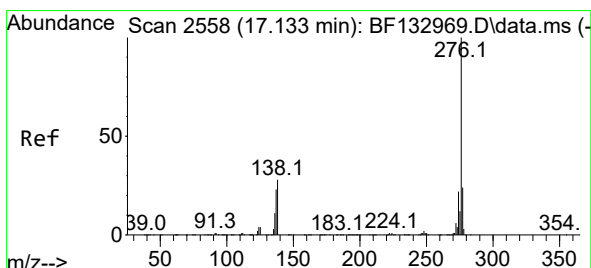
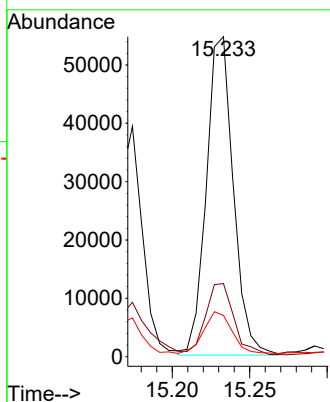
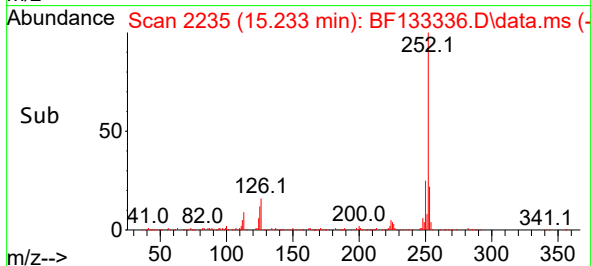
Instrument :
BNA_F
ClientSampleId :
SB-01_0-2_20230509



Tgt Ion:252 Resp: 6630
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.9 10.5 15.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#92
Benzo(g,h,i)perylene
Concen: 2.098 ng
RT: 17.074 min Scan# 2548
Delta R.T. -0.012 min
Lab File: BF133336.D
Acq: 10 May 2023 18:03

Tgt Ion:276 Resp: 44608
Ion Ratio Lower Upper
276 100
277 24.9 19.4 29.0
138 27.7 22.7 34.1

