

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133428.D
 Acq On : 17 May 2023 22:56
 Operator : CG\JU
 Sample : 02812-06 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B3-0-10

Manual Integrations
 APPROVED

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

Quant Time: May 18 04:07:09 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	239881	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	958647	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	467356	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	548110	20.000	ng	-0.01
76) Chrysene-d12	13.874	240	391377	20.000	ng	-0.01
86) Perylene-d12	15.298	264	364195	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	308877	19.451	ng	-0.01
7) Phenol-d6	6.357	99	370673	18.806	ng	-0.01
23) Nitrobenzene-d5	7.275	82	208517	11.741	ng	-0.02
42) 2,4,6-Tribromophenol	10.539	330	66390	14.125	ng	-0.01
45) 2-Fluorobiphenyl	9.069	172	471532	16.879	ng	-0.02
79) Terphenyl-d14	12.816	244	274442	12.094	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	9.610	152	98299	2.268	ng	99
71) Phenanthrene	11.257	178	826644	28.061	ng	99
72) Anthracene	11.310	178	156140	5.179	ng	98
73) Carbazole	11.469	167	81377	3.031	ng	99
75) Fluoranthene	12.451	202	1526618	51.635	ng	97
78) Pyrene	12.680	202	1479197	44.089	ng	100
81) Benzo(a)anthracene	13.868	228	813810	30.238	ng	97
83) Chrysene	13.904	228	763819	28.387	ng	96
87) Indeno(1,2,3-cd)pyrene	16.680	276	336012m	16.220	ng	
88) Benzo(b)fluoranthene	14.898	252	877419m	37.869	ng	
89) Benzo(k)fluoranthene	14.921	252	327640m	14.265	ng	
90) Benzo(a)pyrene	15.239	252	638916	30.296	ng	97
91) Dibenzo(a,h)anthracene	16.686	278	79932	4.626	ng	94
92) Benzo(g,h,i)perylene	17.092	276	317126	18.591	ng	97

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

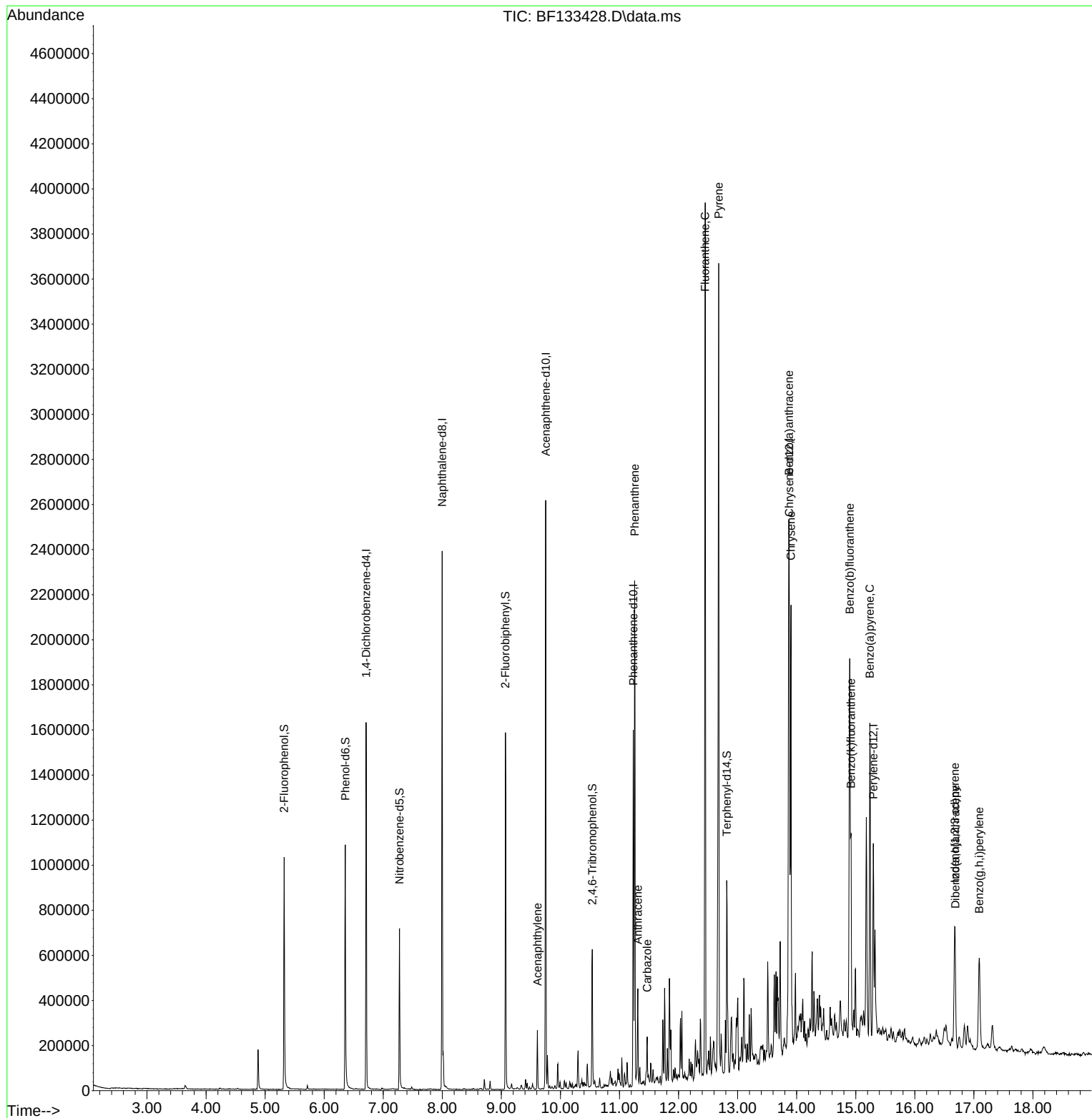
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
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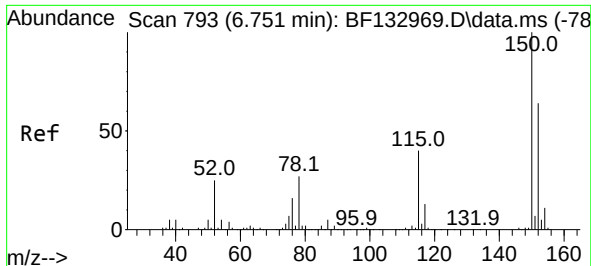
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Quant Time: May 18 04:07:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
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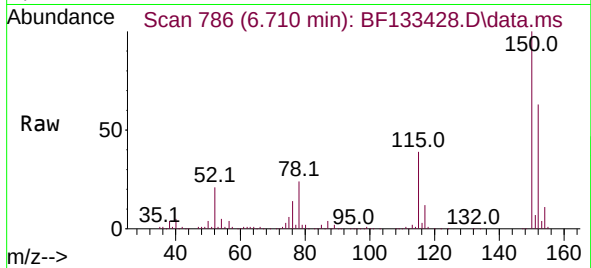
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133428.D
Acq: 17 May 2023 22:56

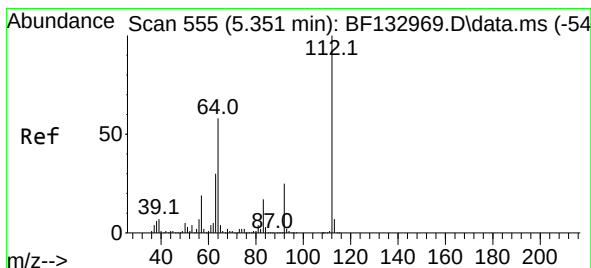
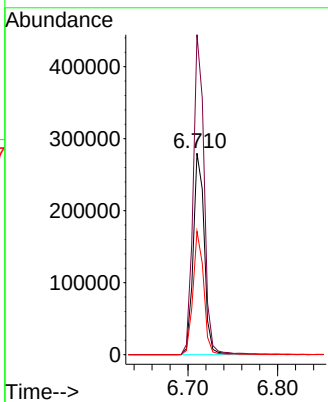
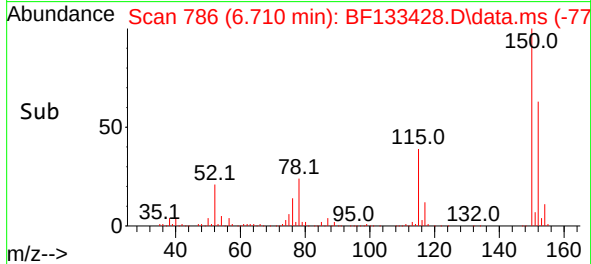
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10



Tgt Ion:152 Resp: 23988
Ion Ratio Lower Upper
152 100
150 158.9 124.8 187.2
115 61.3 49.9 74.9

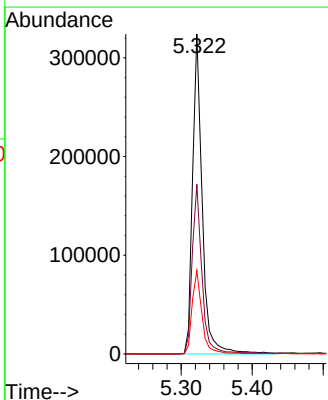
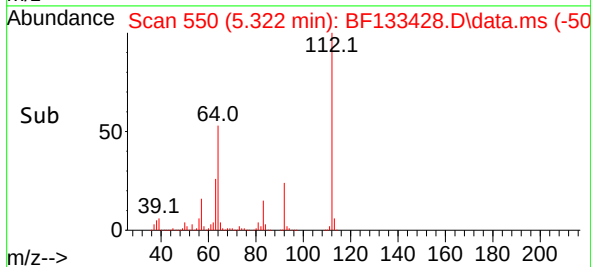
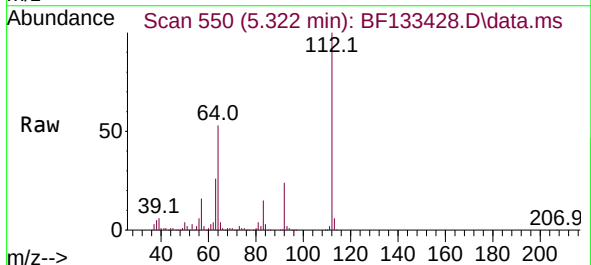
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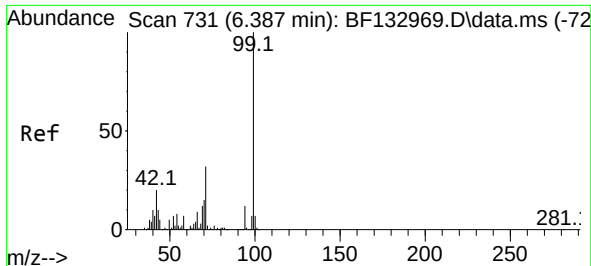
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#5
2-Fluorophenol
Concen: 19.451 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.012 min
Lab File: BF133428.D
Acq: 17 May 2023 22:56

Tgt Ion:112 Resp: 308877
Ion Ratio Lower Upper
112 100
64 53.0 46.8 70.2
63 26.1 23.8 35.8





#7

Phenol-d6

Concen: 18.806 ng

RT: 6.357 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF133428.D

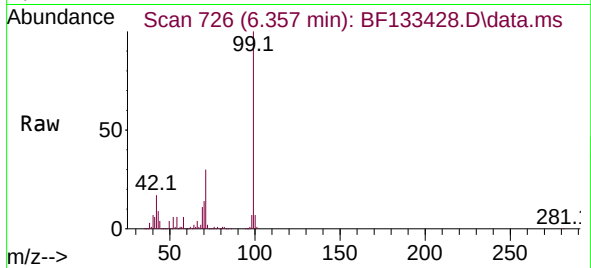
Acq: 17 May 2023 22:56

Instrument :

BNA_F

ClientSampleId :

WG-0516-B3-0-10



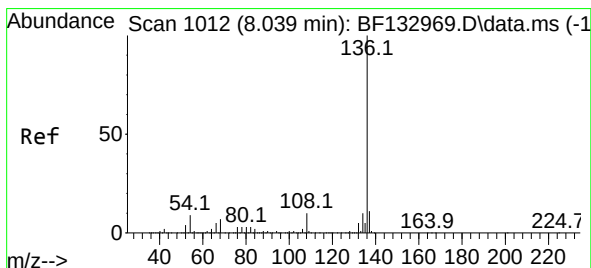
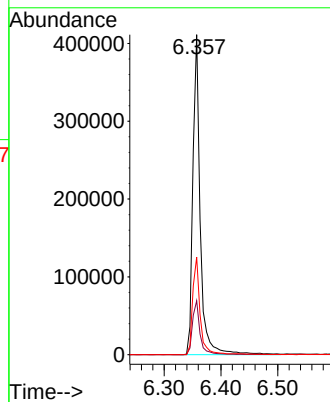
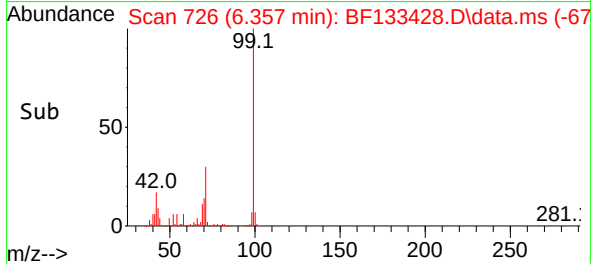
Tgt Ion: 99 Resp: 37067

Ion	Ratio	Lower	Upper
99	100		
42	16.8	16.3	24.5
71	30.5	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.998 min Scan# 1005

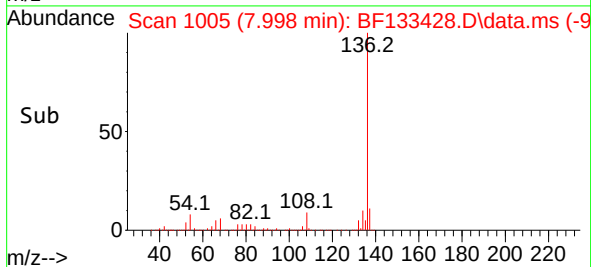
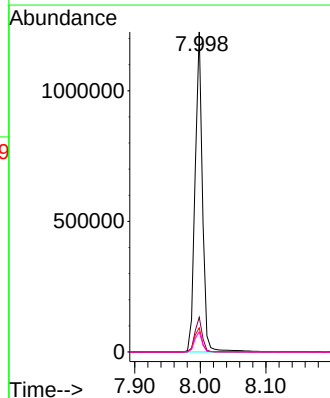
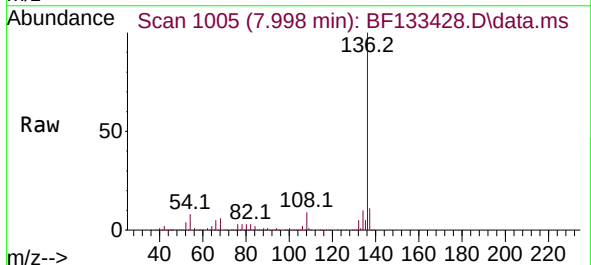
Delta R.T. -0.012 min

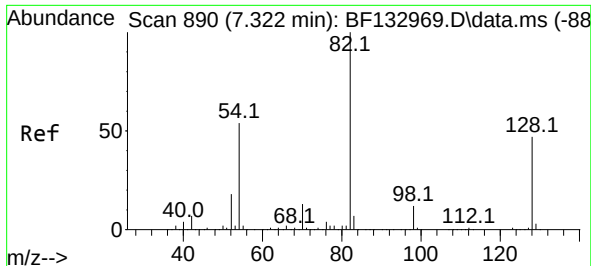
Lab File: BF133428.D

Acq: 17 May 2023 22:56

Tgt Ion:136 Resp: 958647

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.6	7.0	10.4
68	6.3	5.4	8.2





#23

Nitrobenzene-d5

Concen: 11.741 ng

RT: 7.275 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF133428.D

Acq: 17 May 2023 22:56

Instrument :

BNA_F

ClientSampleId :

WG-0516-B3-0-10

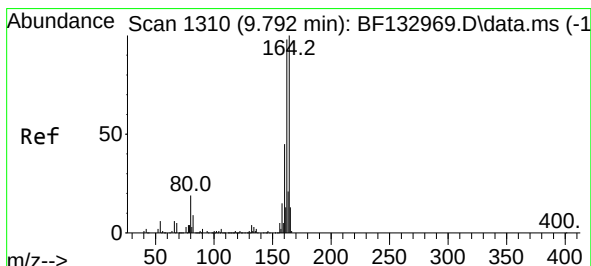
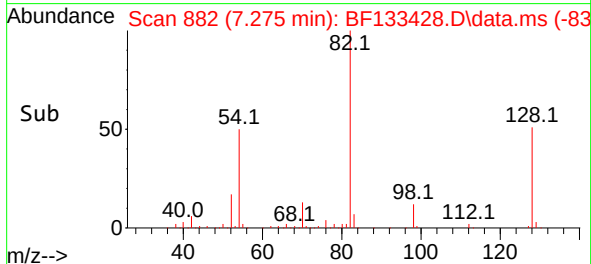
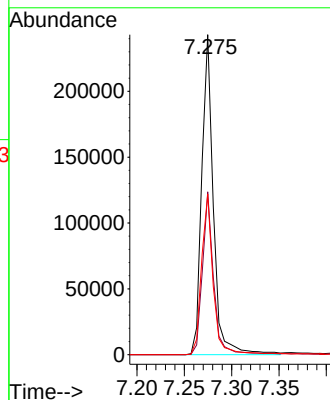
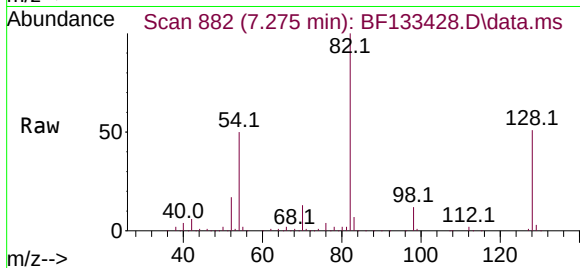
Tgt Ion: 82 Resp: 20851

Ion	Ratio	Lower	Upper
82	100		
128	50.9	37.7	56.5
54	50.2	43.0	64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.751 min Scan# 1303

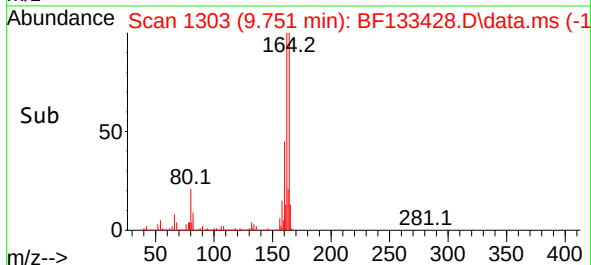
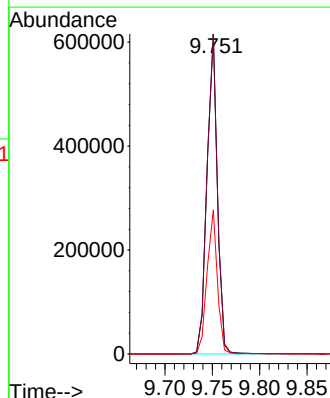
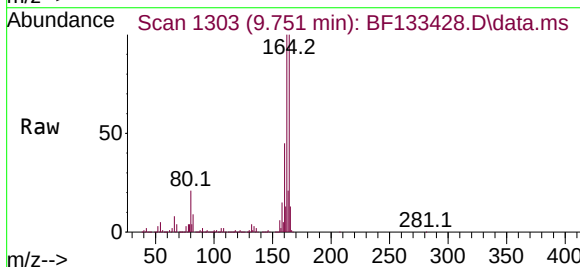
Delta R.T. -0.012 min

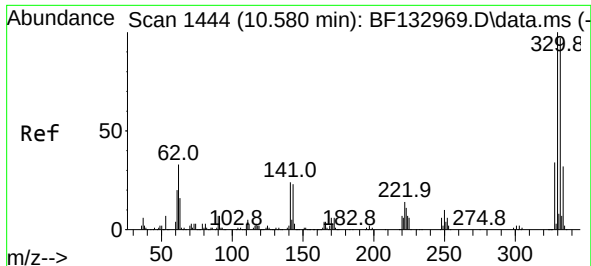
Lab File: BF133428.D

Acq: 17 May 2023 22:56

Tgt Ion:164 Resp: 467356

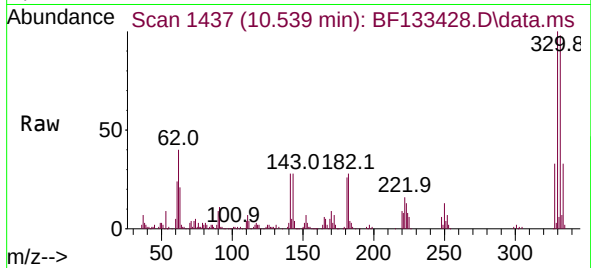
Ion	Ratio	Lower	Upper
164	100		
162	99.8	78.7	118.1
160	45.0	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 14.125 ng
RT: 10.539 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133428.D
Acq: 17 May 2023 22:56

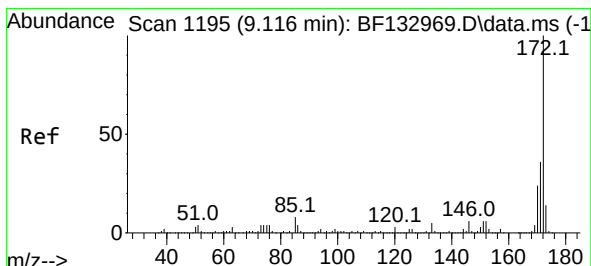
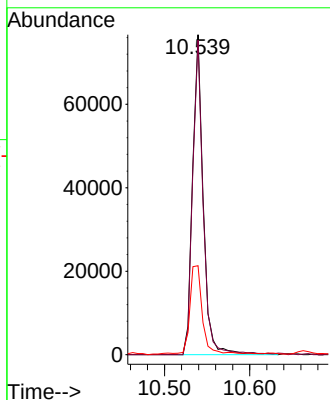
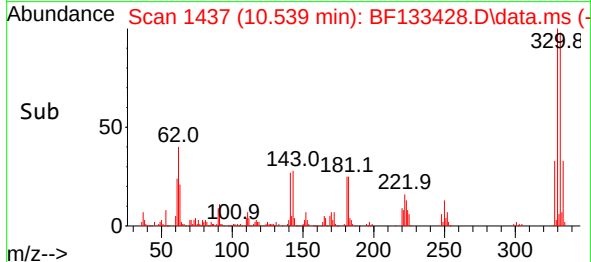
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10



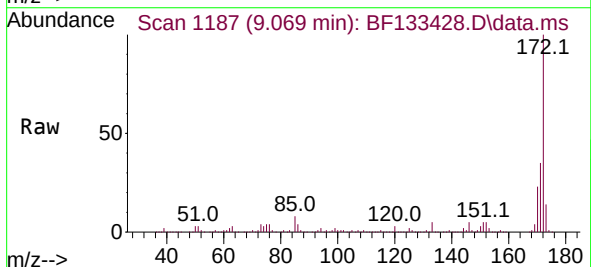
Tgt Ion: 330 Resp: 66390
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 34.5 25.8 38.8

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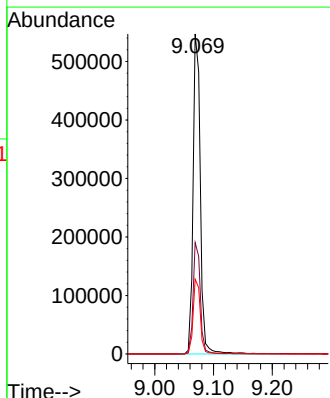
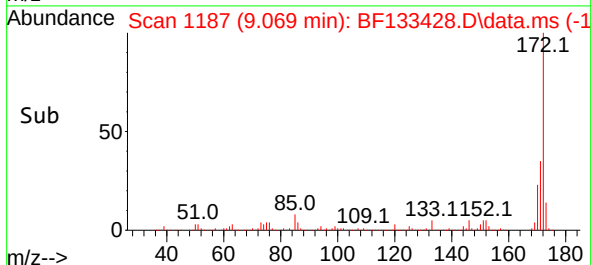
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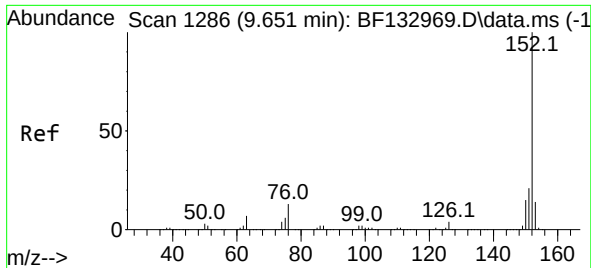


#45
2-Fluorobiphenyl
Concen: 16.879 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.018 min
Lab File: BF133428.D
Acq: 17 May 2023 22:56



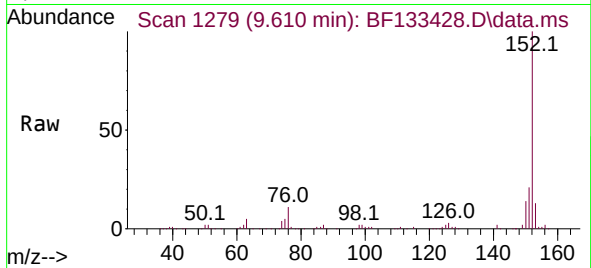
Tgt Ion: 172 Resp: 471532
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.3 19.4 29.2





#49
Acenaphthylene
Concen: 2.268 ng
RT: 9.610 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF133428.D
Acq: 17 May 2023 22:56

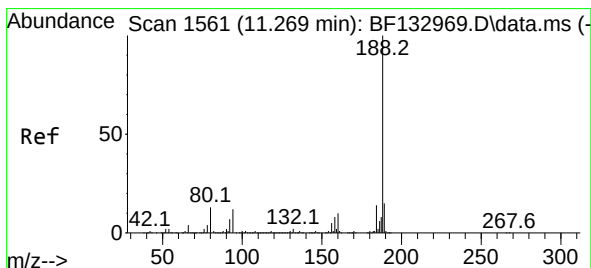
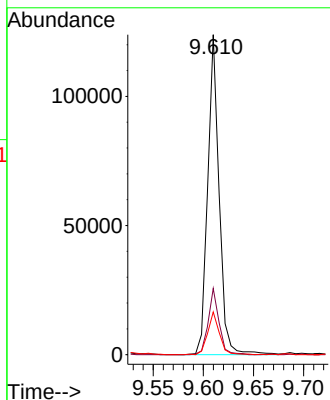
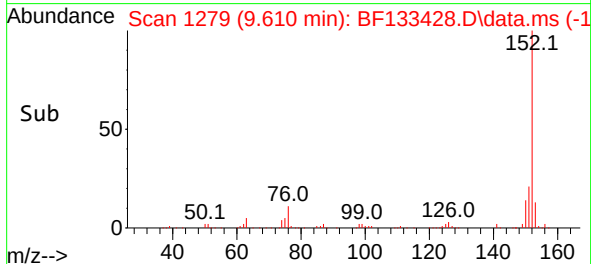
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10



Tgt Ion:152 Resp: 98299
Ion Ratio Lower Upper
152 100
151 20.7 16.6 24.8
153 13.4 11.5 17.3

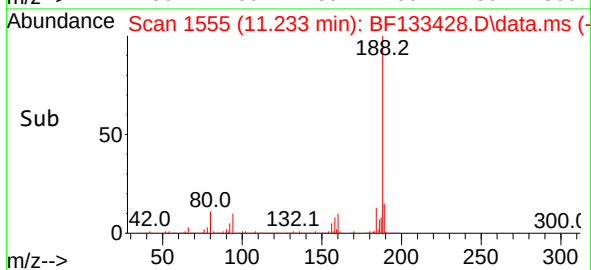
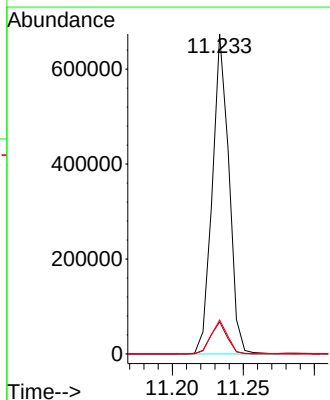
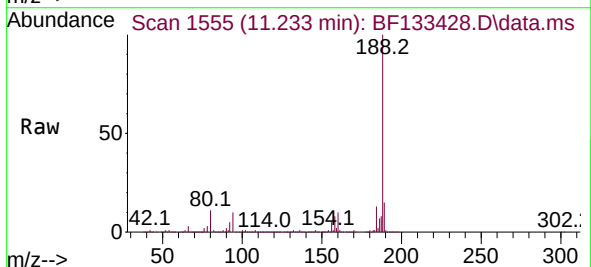
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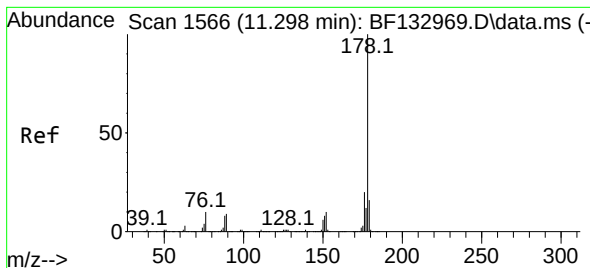
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF133428.D
Acq: 17 May 2023 22:56

Tgt Ion:188 Resp: 548110
Ion Ratio Lower Upper
188 100
94 10.0 9.7 14.5
80 10.6 10.4 15.6





#71

Phenanthrene

Concen: 28.061 ng

RT: 11.257 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133428.D

Acq: 17 May 2023 22:56

Instrument :

BNA_F

ClientSampleId :

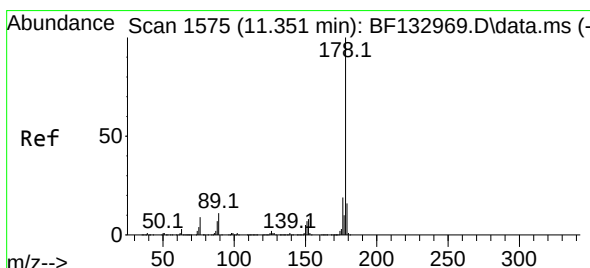
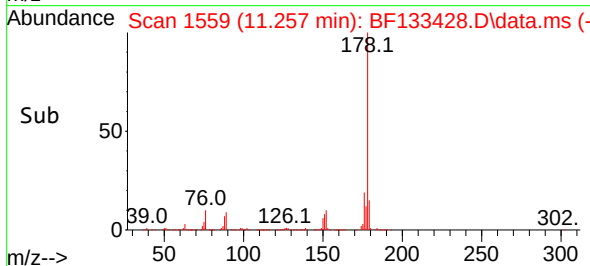
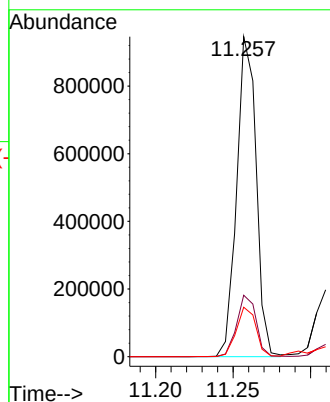
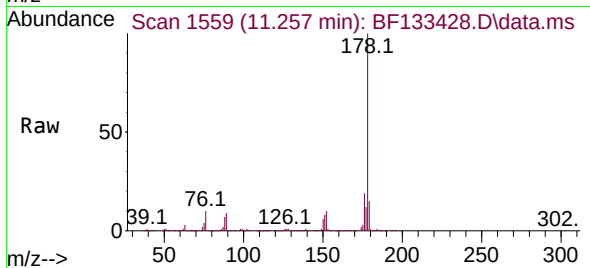
WG-0516-B3-0-10

Tgt Ion:178 Resp: 826644
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.9 23.9
 179 15.5 12.5 18.7

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#72

Anthracene

Concen: 5.179 ng

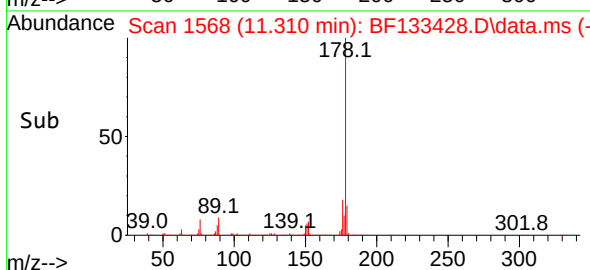
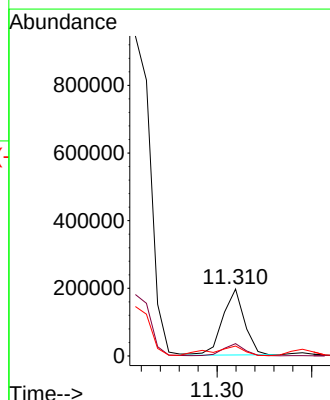
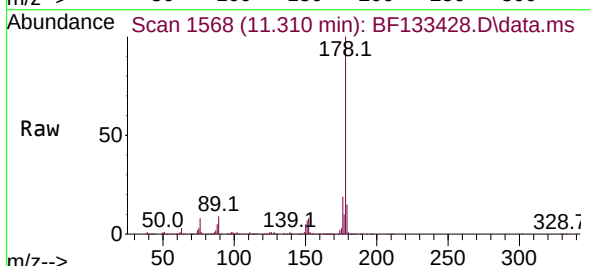
RT: 11.310 min Scan# 1568

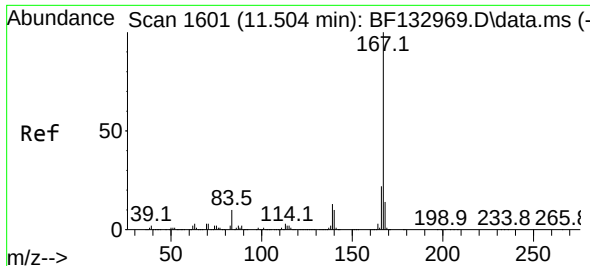
Delta R.T. -0.012 min

Lab File: BF133428.D

Acq: 17 May 2023 22:56

Tgt Ion:178 Resp: 156140
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.0
 179 14.9 12.4 18.6





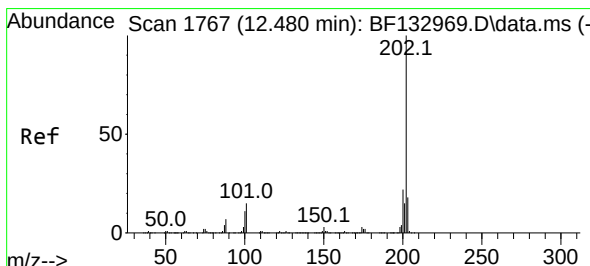
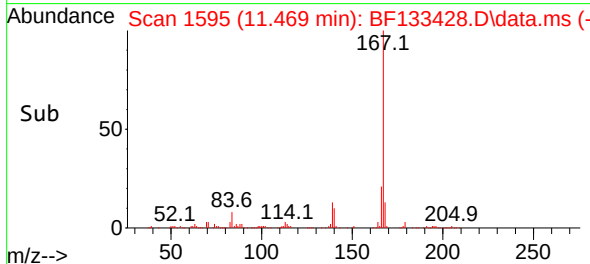
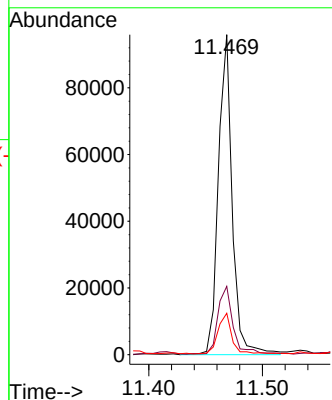
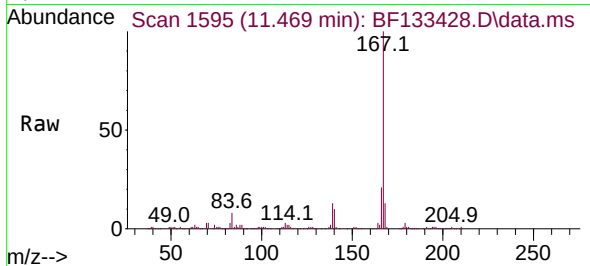
#73
 Carbazole
 Concen: 3.031 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133428.D
 Acq: 17 May 2023 22:56

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B3-0-10

Tgt Ion:167 Resp: 8137
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.0
 139 12.9 10.6 16.0

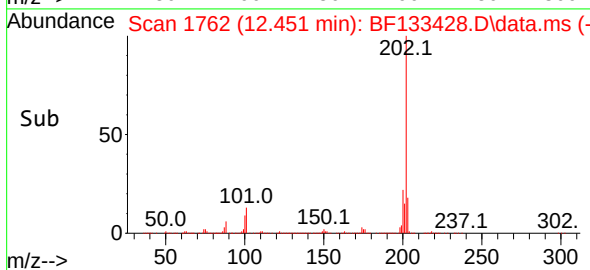
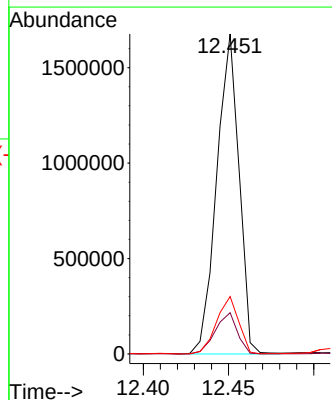
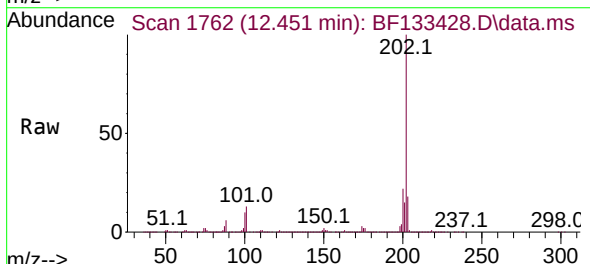
Manual Integrations
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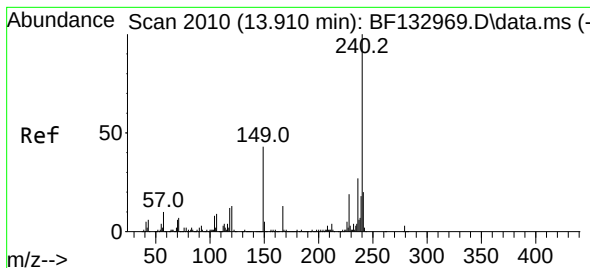
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023



#75
 Fluoranthene
 Concen: 51.635 ng
 RT: 12.451 min Scan# 1762
 Delta R.T. -0.006 min
 Lab File: BF133428.D
 Acq: 17 May 2023 22:56

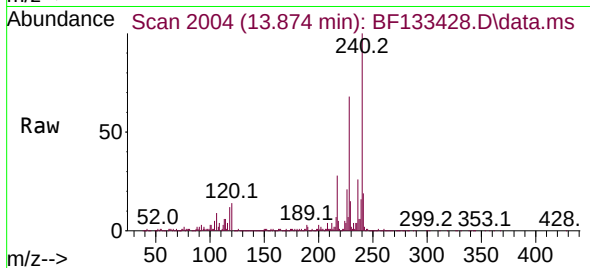
Tgt Ion:202 Resp: 1526618
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 35.3
 203 17.9 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133428.D
Acq: 17 May 2023 22:56

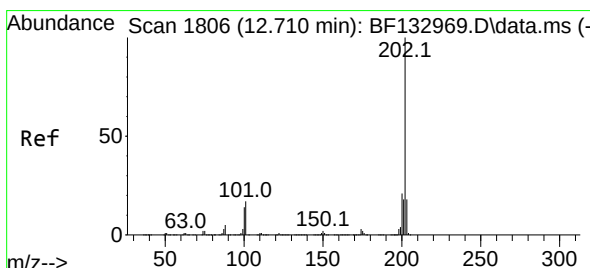
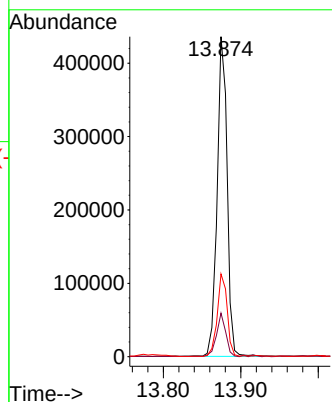
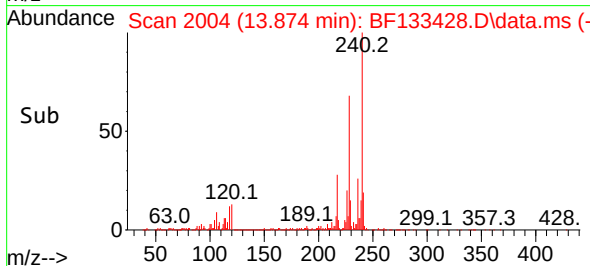
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10



Tgt Ion:240 Resp: 391377
Ion Ratio Lower Upper
240 100
120 13.6 10.5 15.7
236 25.8 21.5 32.3

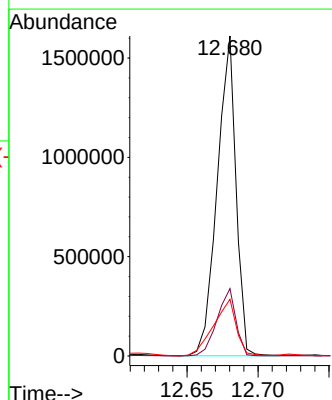
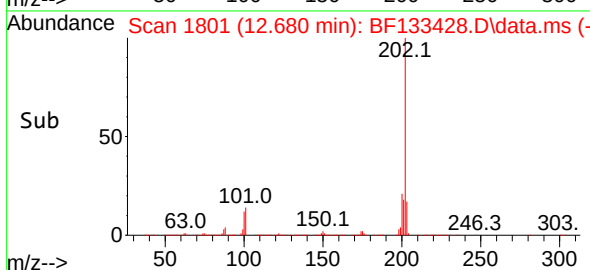
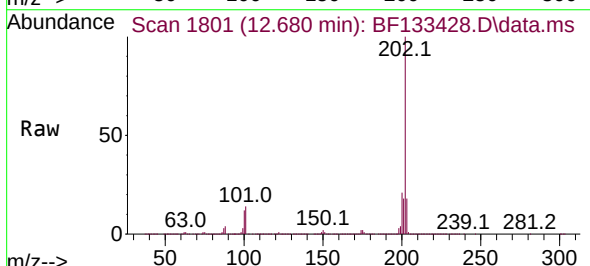
Manual Integrations
APPROVED

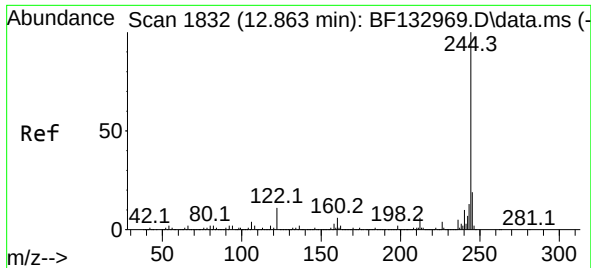
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#78
Pyrene
Concen: 44.089 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.006 min
Lab File: BF133428.D
Acq: 17 May 2023 22:56

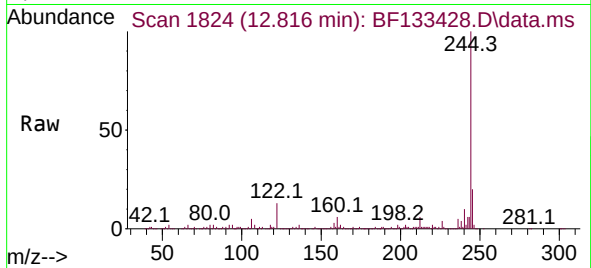
Tgt Ion:202 Resp: 1479197
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.7 14.1 21.1





#79
 Terphenyl-d14
 Concen: 12.094 ng
 RT: 12.816 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF133428.D
 Acq: 17 May 2023 22:56

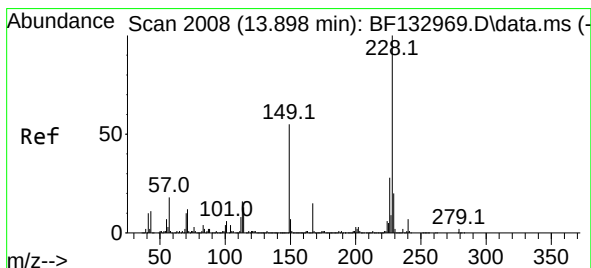
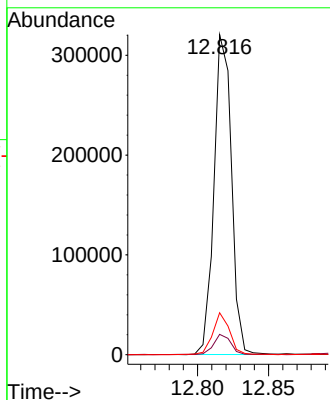
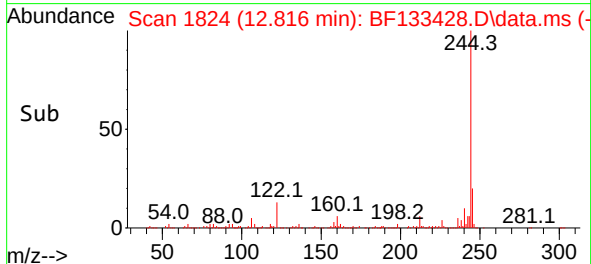
Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B3-0-10



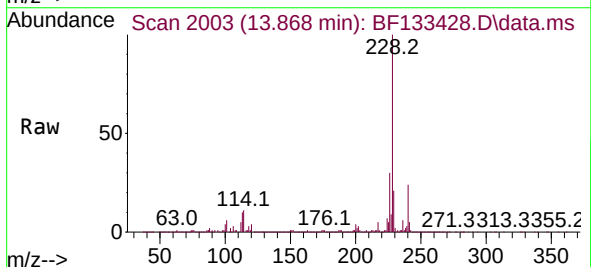
Tgt Ion:244 Resp: 274442
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 13.1 8.6 13.0

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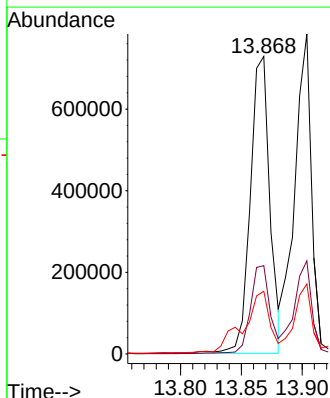
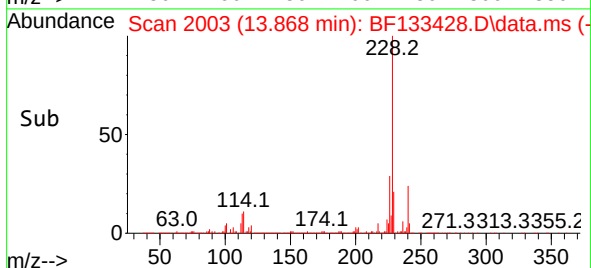
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

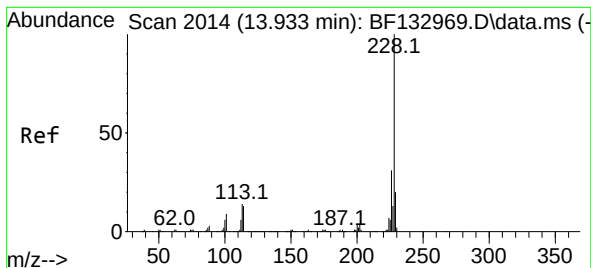


#81
 Benzo(a)anthracene
 Concen: 30.238 ng
 RT: 13.868 min Scan# 2003
 Delta R.T. -0.006 min
 Lab File: BF133428.D
 Acq: 17 May 2023 22:56



Tgt Ion:228 Resp: 813810
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.2 33.4
 229 21.1 16.0 24.0





#83

Chrysene

Concen: 28.387 ng

RT: 13.904 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF133428.D

Acq: 17 May 2023 22:56

Instrument :

BNA_F

ClientSampleId :

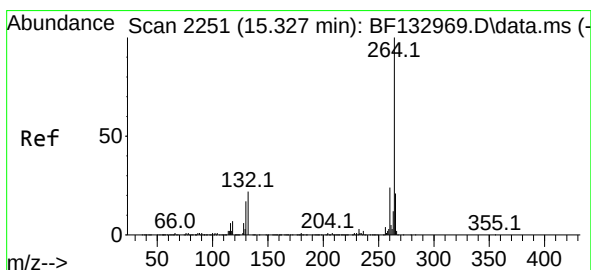
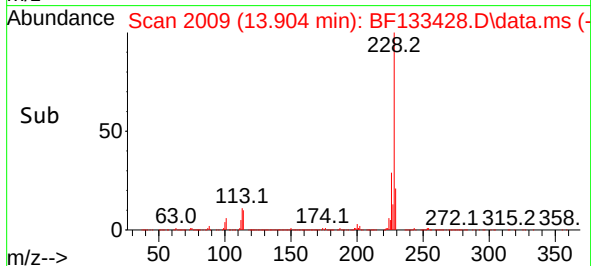
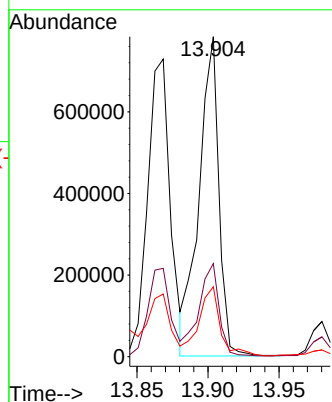
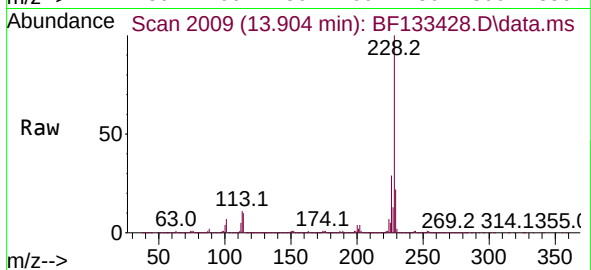
WG-0516-B3-0-10

Tgt Ion:228 Resp: 763819
 Ion Ratio Lower Upper
 228 100
 226 29.1 24.7 37.1
 229 21.9 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

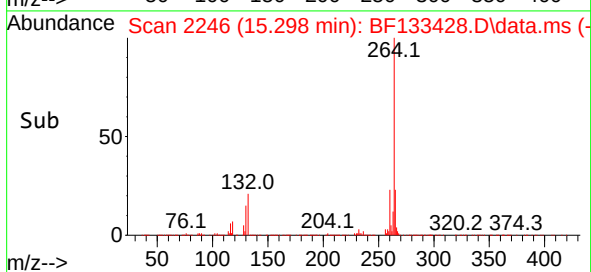
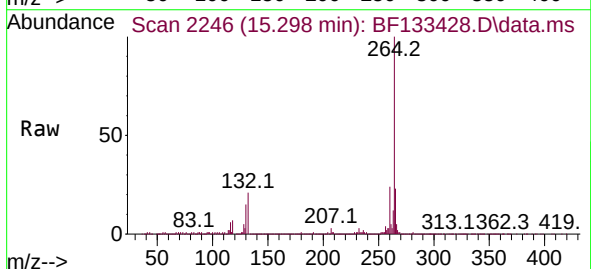
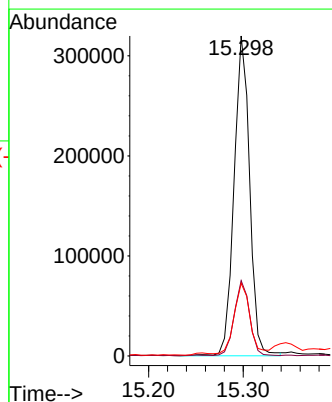
RT: 15.298 min Scan# 2246

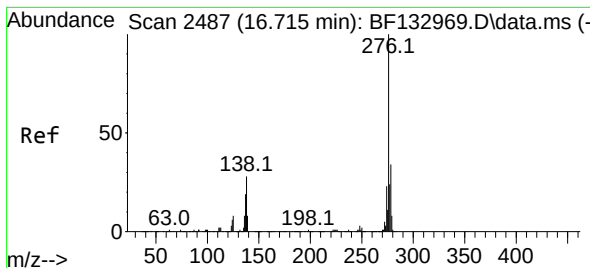
Delta R.T. -0.006 min

Lab File: BF133428.D

Acq: 17 May 2023 22:56

Tgt Ion:264 Resp: 364195
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 22.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.220 ng m

RT: 16.680 min Scan# 2487

Delta R.T. -0.018 min

Lab File: BF133428.D

Acq: 17 May 2023 22:56

Instrument :

BNA_F

ClientSampleId :

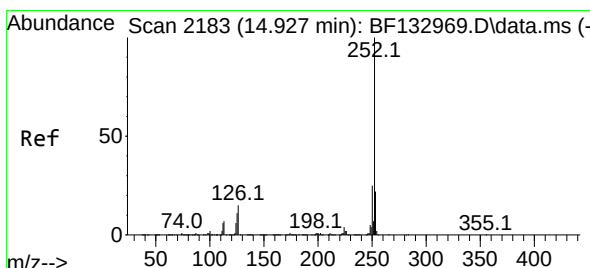
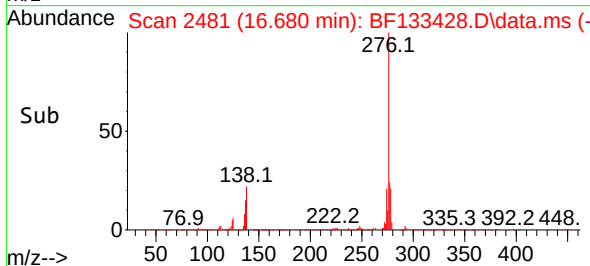
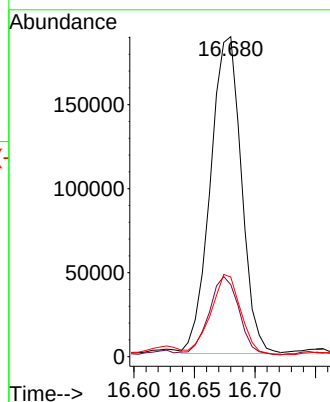
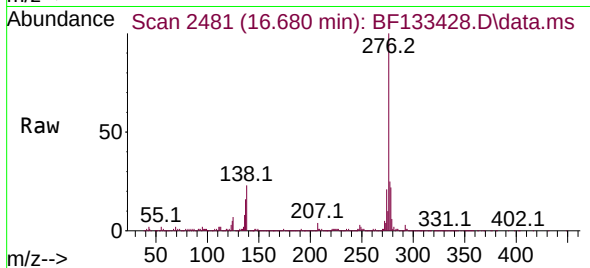
WG-0516-B3-0-10

Tgt Ion:276 Resp: 336012
 Ion Ratio Lower Upper
 276 100
 138 4.8 25.5 38.3
 277 4.9 20.4 30.6

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 37.869 ng m

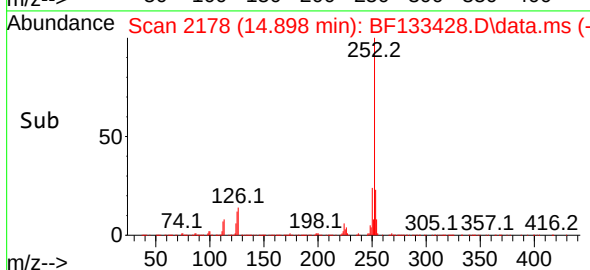
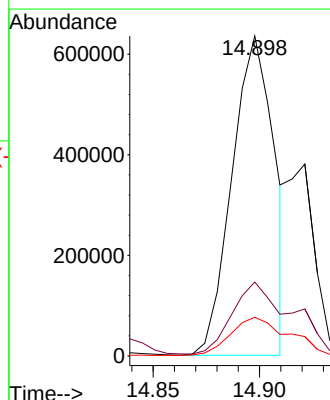
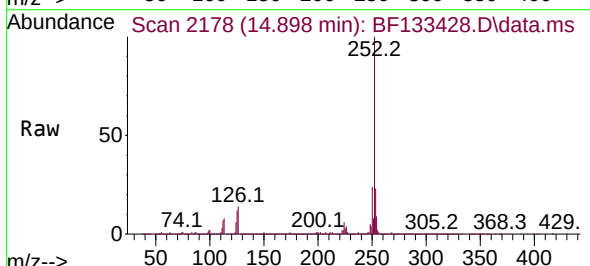
RT: 14.898 min Scan# 2178

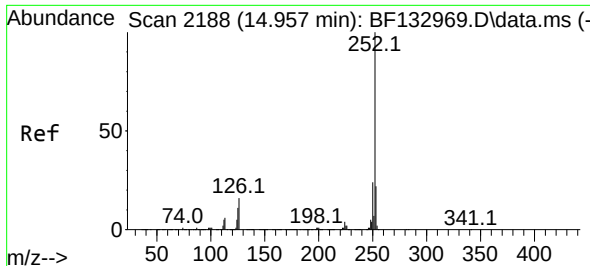
Delta R.T. -0.000 min

Lab File: BF133428.D

Acq: 17 May 2023 22:56

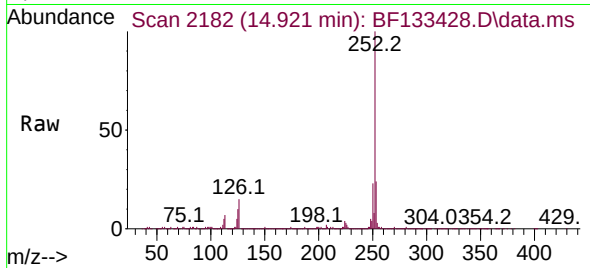
Tgt Ion:252 Resp: 877419
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.6 26.4
 125 12.1 8.9 13.3





#89
Benzo(k)fluoranthene
Concen: 14.265 ng m
RT: 14.921 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF133428.D
Acq: 17 May 2023 22:56

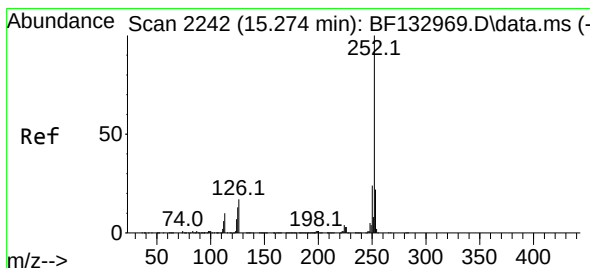
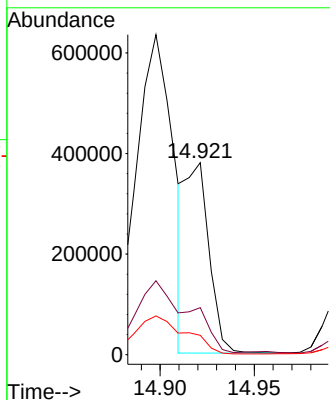
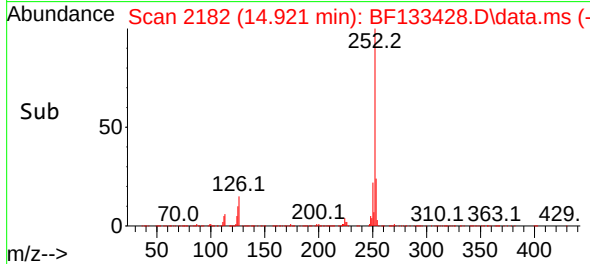
Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10



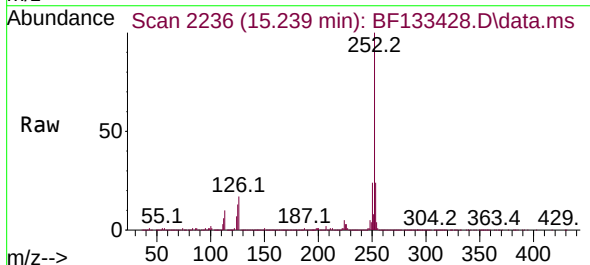
Tgt Ion:252 Resp: 327640
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 10.1 9.0 13.4

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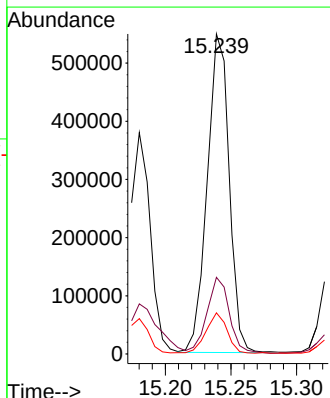
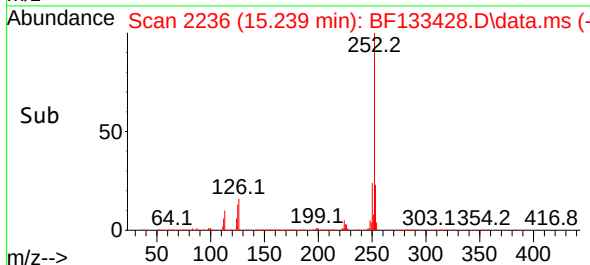
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

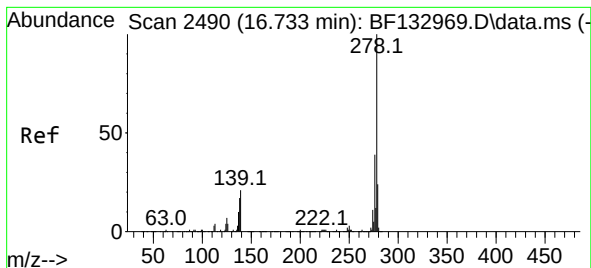


#90
Benzo(a)pyrene
Concen: 30.296 ng
RT: 15.239 min Scan# 2236
Delta R.T. -0.006 min
Lab File: BF133428.D
Acq: 17 May 2023 22:56



Tgt Ion:252 Resp: 638916
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 12.9 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 4.626 ng

RT: 16.686 min Scan# 2490

Delta R.T. -0.018 min

Lab File: BF133428.D

Acq: 17 May 2023 22:56

Instrument :

BNA_F

ClientSampleId :

WG-0516-B3-0-10

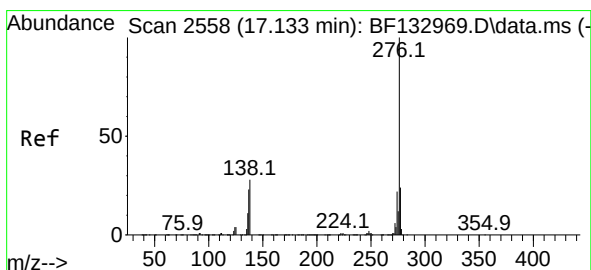
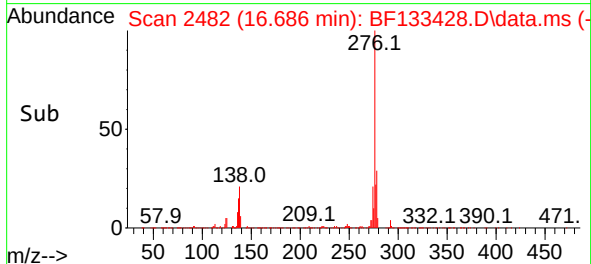
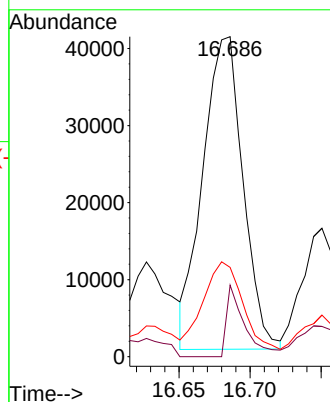
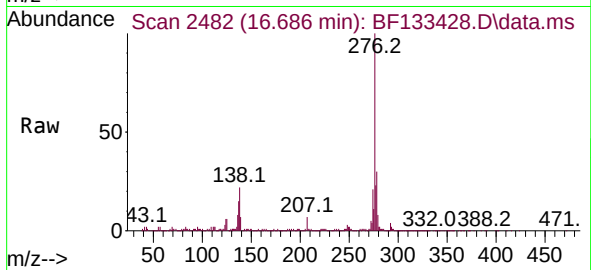
Tgt Ion:	278	Resp:	7993
Ion Ratio	Lower	Upper	
278	100		
139	22.4	16.6	24.8
279	27.9	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#92

Benzo(g,h,i)perylene

Concen: 18.591 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.018 min

Lab File: BF133428.D

Acq: 17 May 2023 22:56

Tgt Ion:	276	Resp:	317126
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.4	29.0
138	25.8	22.7	34.1

