

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133423.D
 Acq On : 17 May 2023 20:22
 Operator : CG\JU
 Sample : 02812-18
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B1-0-3

Manual Integrations
 APPROVED

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

Quant Time: May 18 04:05:40 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	206089	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	829698	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	425673	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	741983	20.000	ng	-0.01
76) Chrysene-d12	13.869	240	378182	20.000	ng	-0.02
86) Perylene-d12	15.292	264	478423	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1181736	86.620	ng	0.00
7) Phenol-d6	6.357	99	1461086	86.284	ng	-0.01
23) Nitrobenzene-d5	7.281	82	881126	57.323	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	372606	87.038	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1675300	65.843	ng	-0.01
79) Terphenyl-d14	12.822	244	1539289	70.198	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.781	154	90973	3.441	ng	98
55) Dibenzofuran	9.951	168	72629	2.014	ng	# 97
58) Fluorene	10.292	166	97474	3.689	ng	97
71) Phenanthrene	11.257	178	1005025	25.202	ng	99
72) Anthracene	11.310	178	286702	7.025	ng	99
73) Carbazole	11.463	167	95852	2.638	ng	98
75) Fluoranthene	12.445	202	944058	23.588	ng	97
78) Pyrene	12.675	202	750252	23.142	ng	100
81) Benzo(a)anthracene	13.857	228	322552	12.403	ng	99
83) Chrysene	13.892	228	275188	10.584	ng	95
87) Indeno(1,2,3-cd)pyrene	16.668	276	142369	5.232	ng	# 91
88) Benzo(b)fluoranthene	14.886	252	371346m	12.201	ng	
89) Benzo(k)fluoranthene	14.910	252	127351m	4.221	ng	
90) Benzo(a)pyrene	15.233	252	284739	10.278	ng	99
92) Benzo(g,h,i)perylene	17.080	276	109878	4.903	ng	96

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

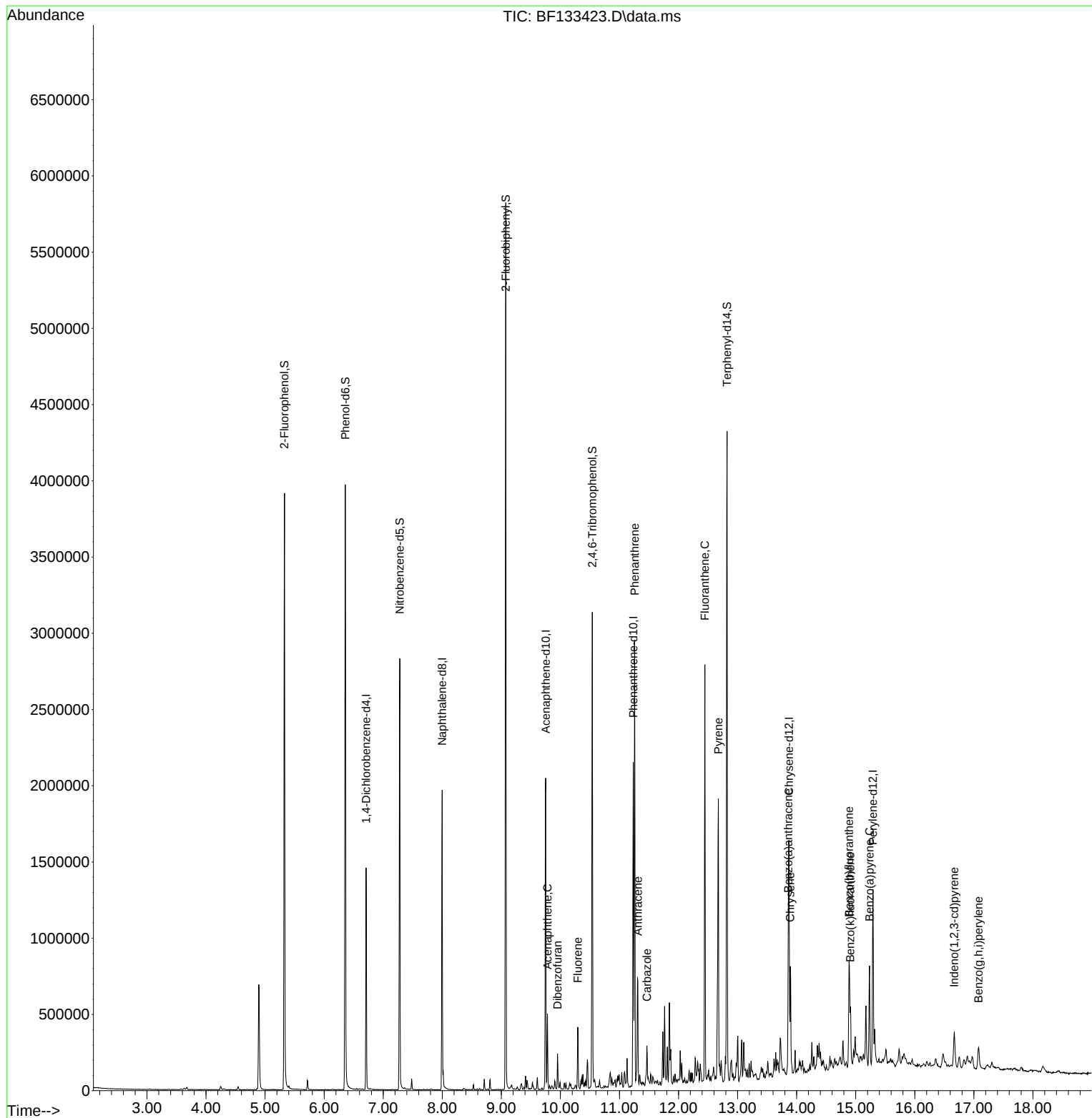
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133423.D
Acq On : 17 May 2023 20:22
Operator : CG\JU
Sample : 02812-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

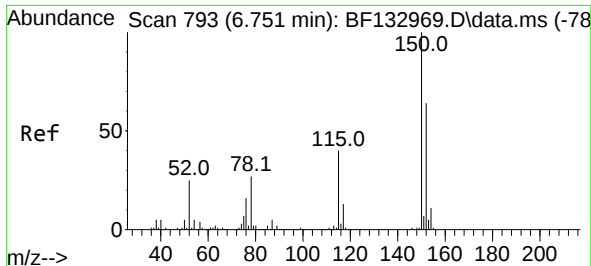
Instrument :
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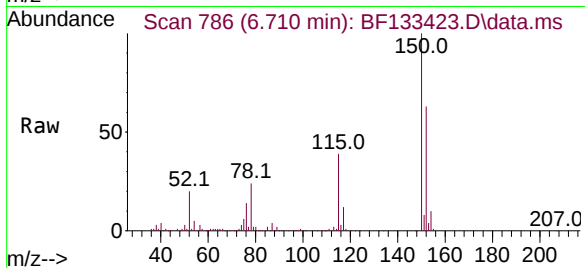
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 793
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

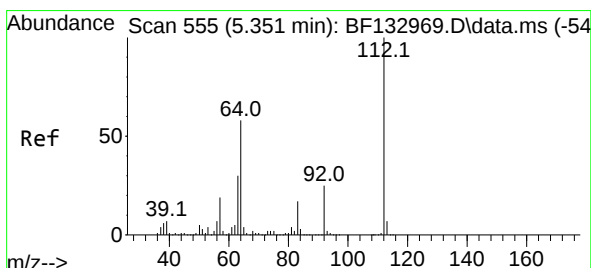
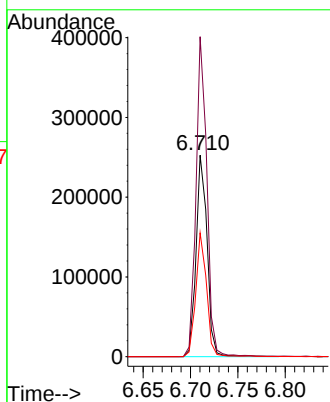
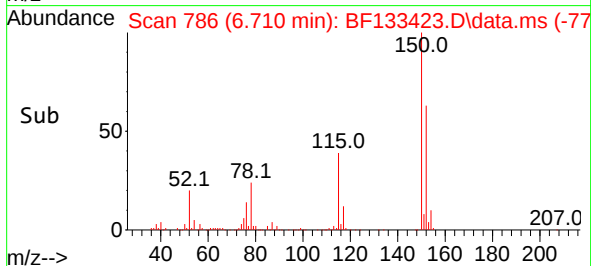
Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3



Tgt Ion:152 Resp: 206089
Ion Ratio Lower Upper
152 100
150 158.9 124.8 187.2
115 61.5 49.9 74.9

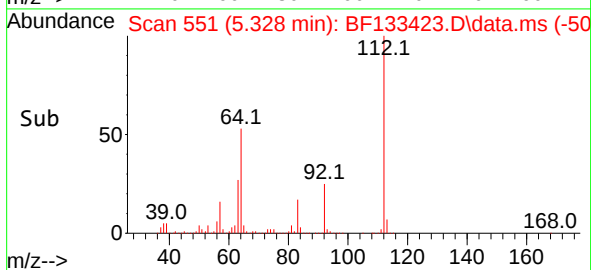
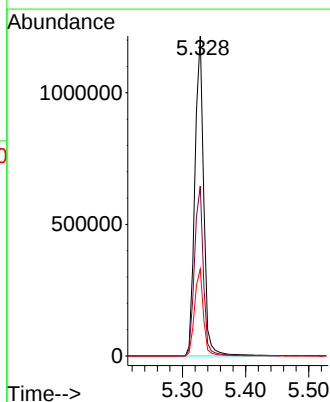
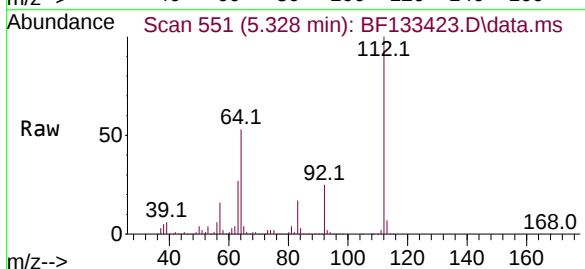
Manual Integrations
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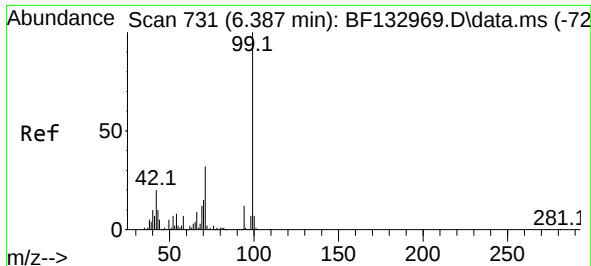
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#5
2-Fluorophenol
Concen: 86.620 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

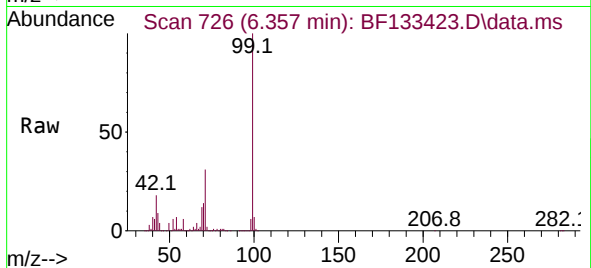
Tgt Ion:112 Resp: 1181736
Ion Ratio Lower Upper
112 100
64 53.1 46.8 70.2
63 27.2 23.8 35.8





#7
Phenol-d6
Concen: 86.284 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

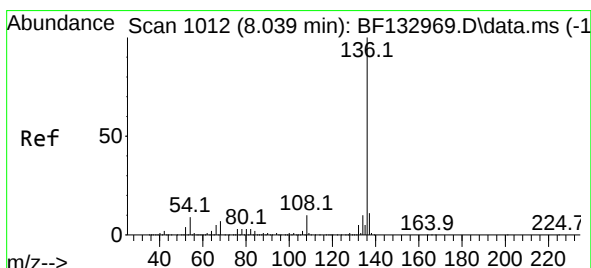
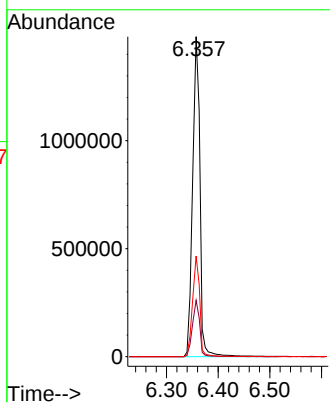
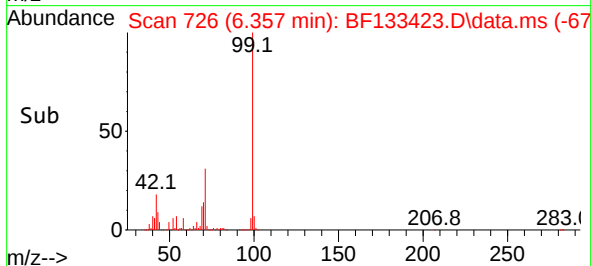
Instrument :
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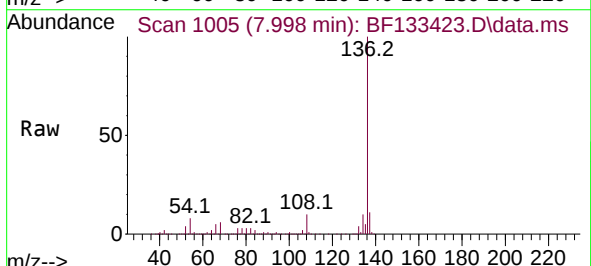
Tgt Ion: 99 Resp: 1461080
Ion Ratio Lower Upper
99 100
42 17.6 16.3 24.5
71 31.4 25.6 38.4

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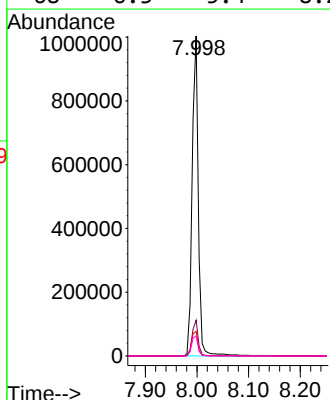
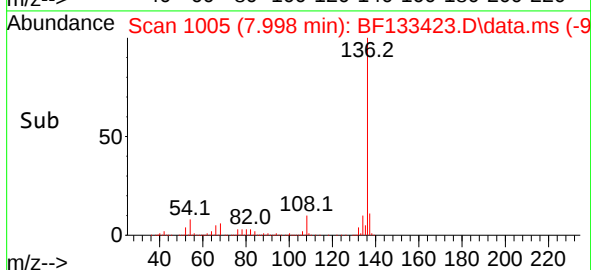
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

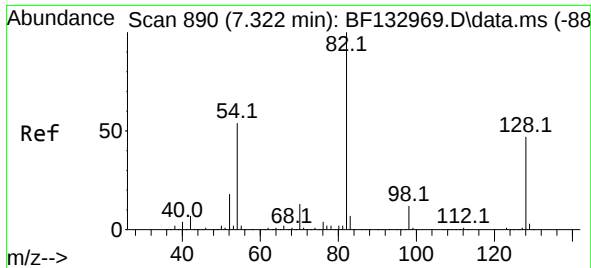


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22



Tgt Ion:136 Resp: 829698
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.7 7.0 10.4
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 57.323 ng

RT: 7.281 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

Instrument :

BNA_F

ClientSampleId :

WG-0516-B1-0-3

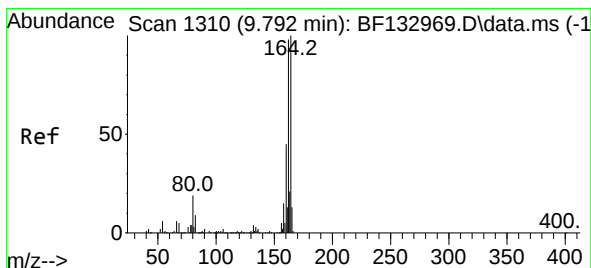
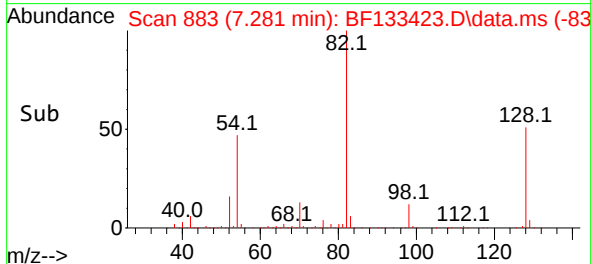
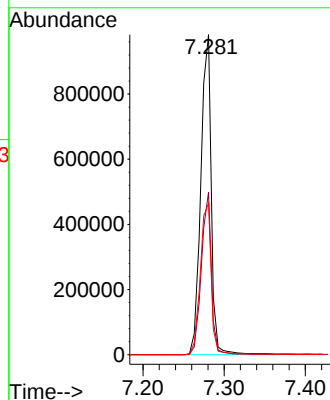
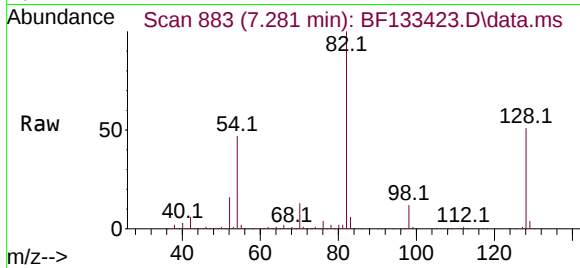
Tgt Ion: 82 Resp: 881120

Ion	Ratio	Lower	Upper
82	100		
128	50.8	37.7	56.5
54	47.3	43.0	64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.751 min Scan# 1303

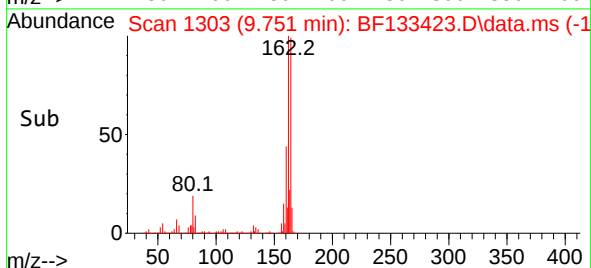
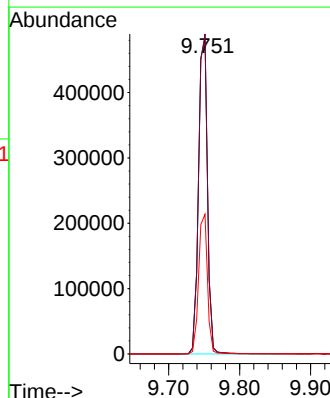
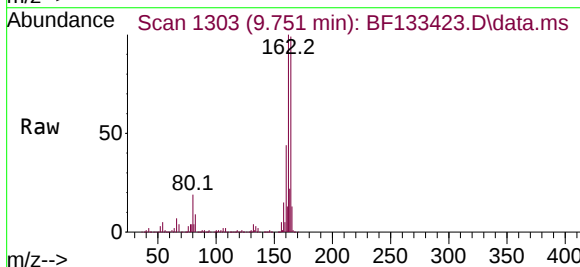
Delta R.T. -0.012 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

Tgt Ion:164 Resp: 425673

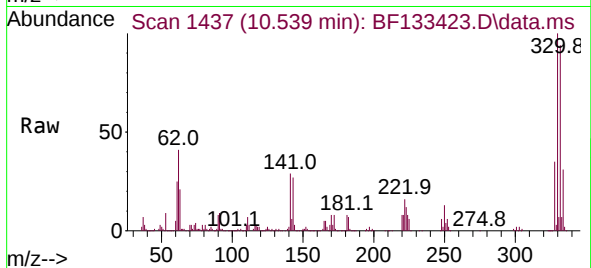
Ion	Ratio	Lower	Upper
164	100		
162	101.3	78.7	118.1
160	44.2	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 87.038 ng
RT: 10.539 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

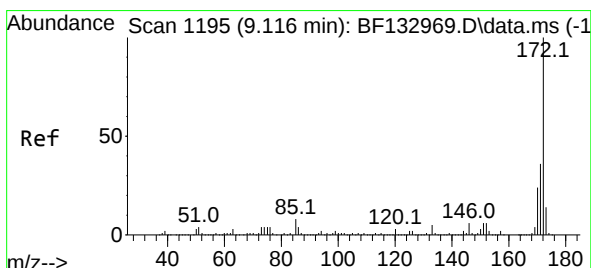
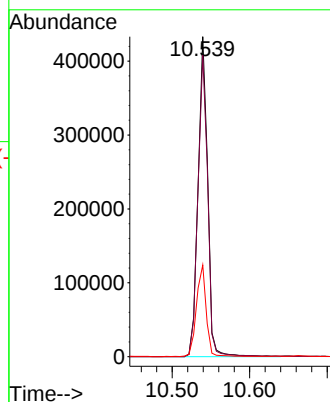
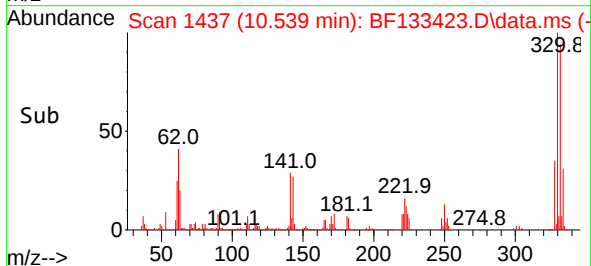
Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3



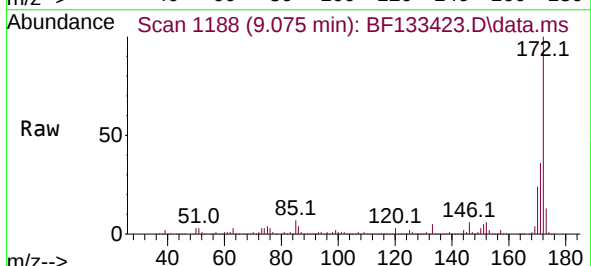
Tgt Ion: 330 Resp: 372600
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 29.6 25.8 38.8

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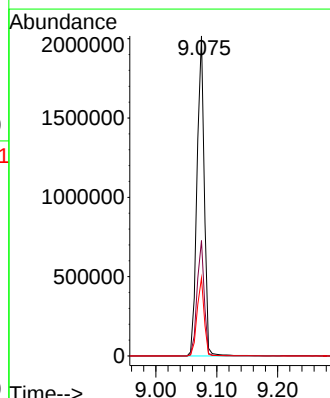
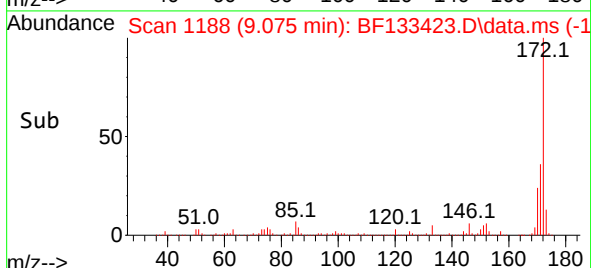
Reviewed By : Christian Giraldo 05/18/2023
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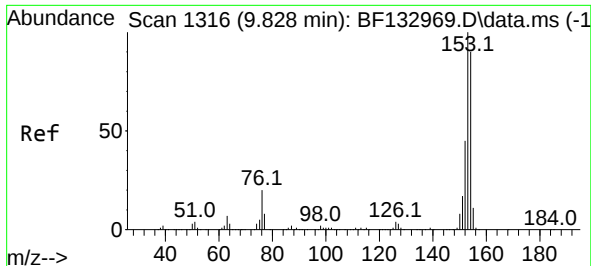


#45
2-Fluorobiphenyl
Concen: 65.843 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22



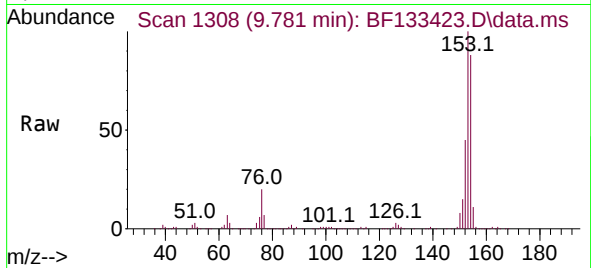
Tgt Ion: 172 Resp: 1675300
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.4 19.4 29.2





#52
Acenaphthene
Concen: 3.441 ng
RT: 9.781 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

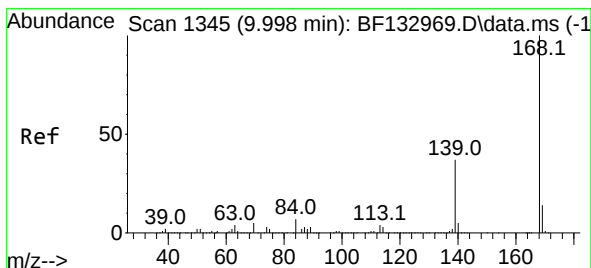
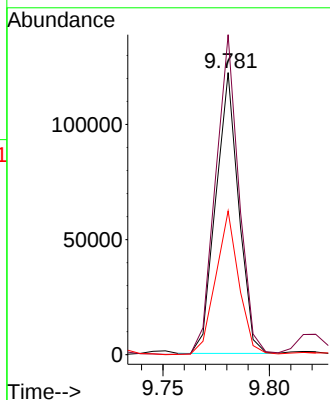
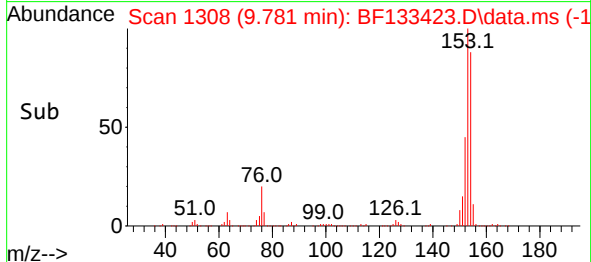
Instrument :
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WG-0516-B1-0-3



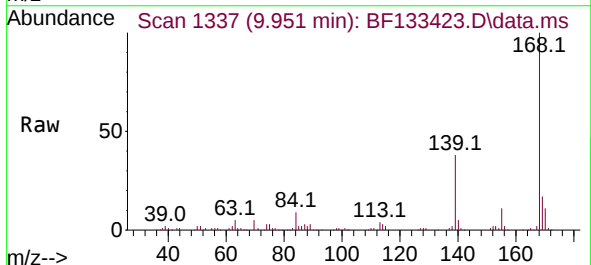
Tgt Ion:154 Resp: 9097
Ion Ratio Lower Upper
154 100
153 113.4 89.0 133.6
152 50.9 40.4 60.6

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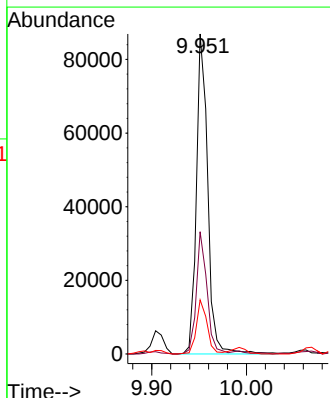
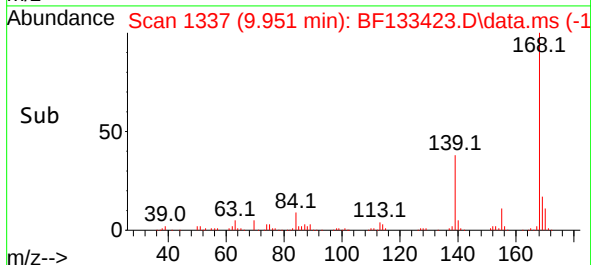
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

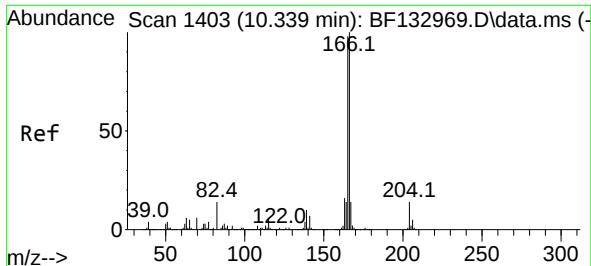


#55
Dibenzofuran
Concen: 2.014 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.018 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22



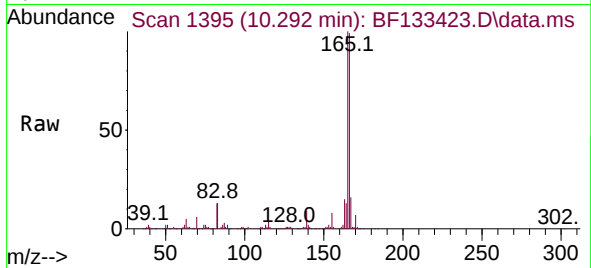
Tgt Ion:168 Resp: 72629
Ion Ratio Lower Upper
168 100
139 38.2 29.8 44.8
169 16.9 10.8 16.2#





#58
Fluorene
Concen: 3.689 ng
RT: 10.292 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

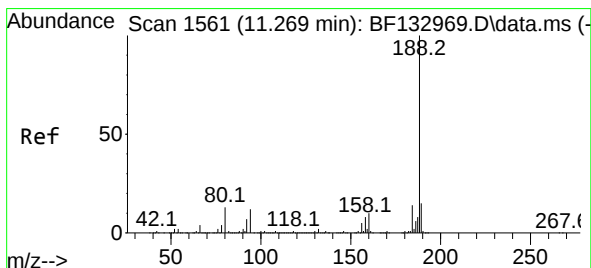
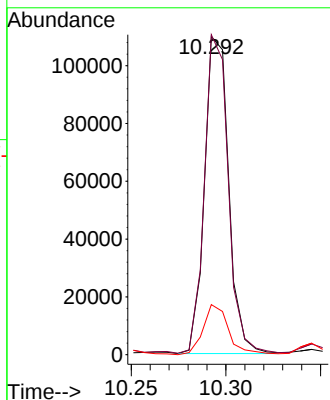
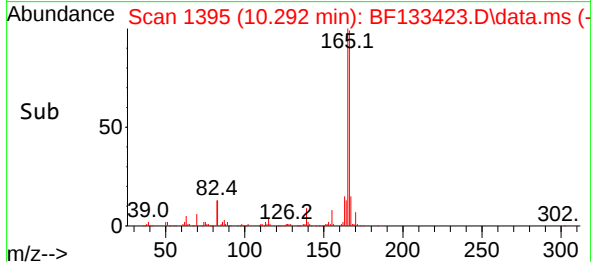
Instrument :
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ClientSampleId :
WG-0516-B1-0-3



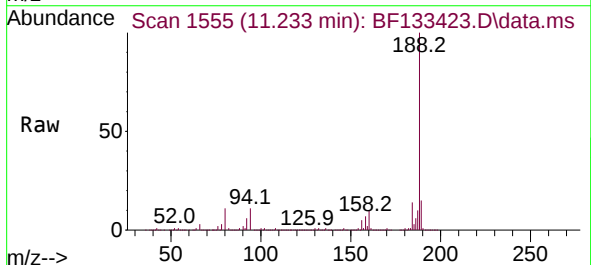
Tgt Ion:166 Resp: 97474
Ion Ratio Lower Upper
166 100
165 100.6 78.6 117.8
167 15.7 11.0 16.4

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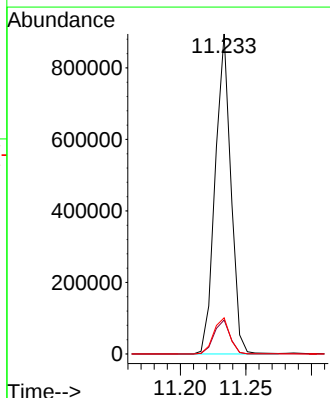
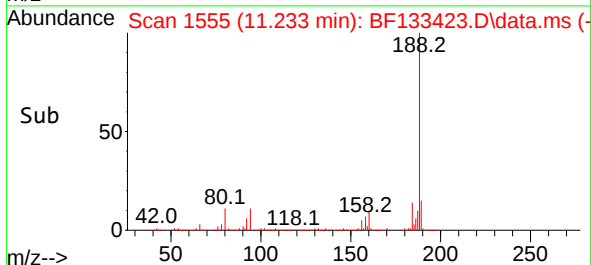
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

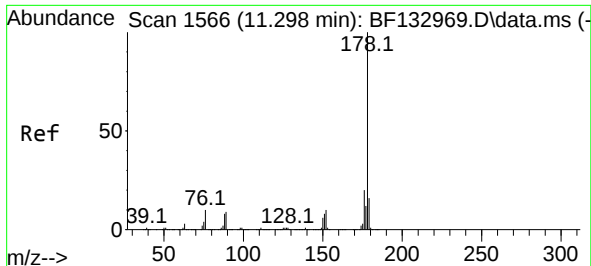


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22



Tgt Ion:188 Resp: 741983
Ion Ratio Lower Upper
188 100
94 10.6 9.7 14.5
80 11.3 10.4 15.6





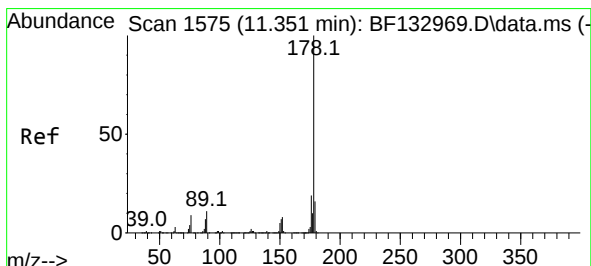
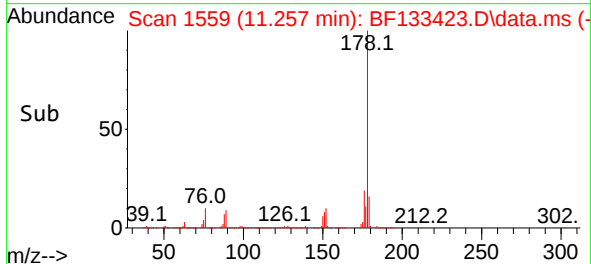
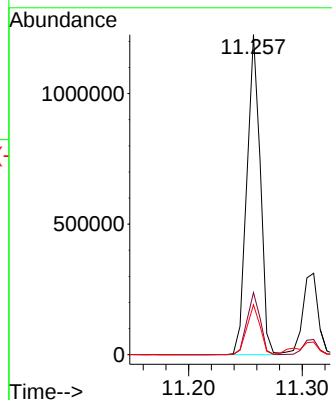
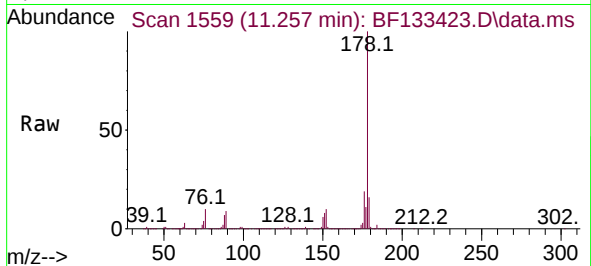
#71
Phenanthrene
Concen: 25.202 ng
RT: 11.257 min Scan# 1125
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3

Tgt Ion:178 Resp: 100502
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.6 12.5 18.7

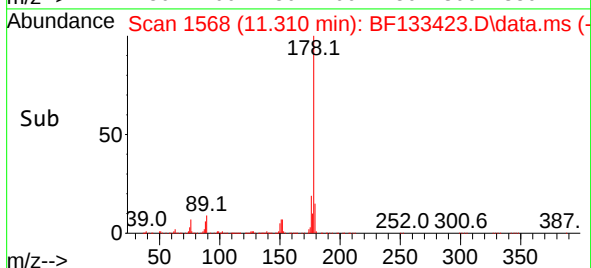
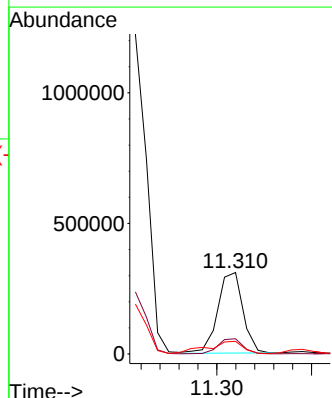
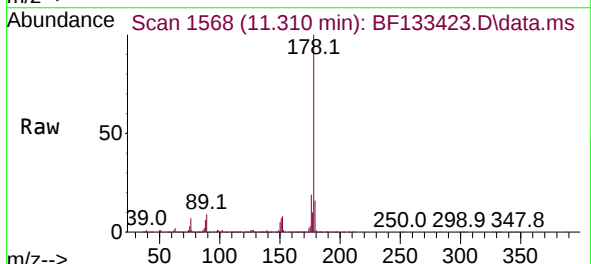
Manual Integrations
APPROVED

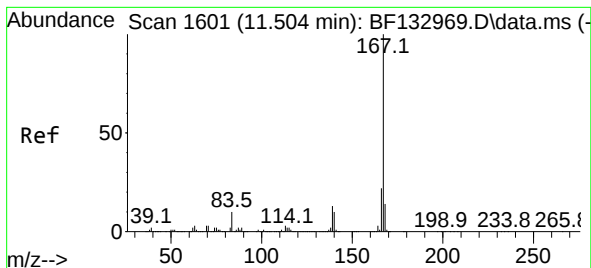
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#72
Anthracene
Concen: 7.025 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

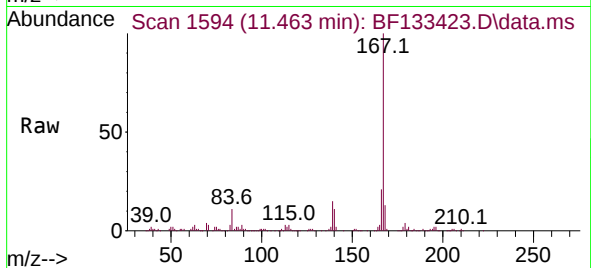
Tgt Ion:178 Resp: 286702
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 2.638 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF133423.D
 Acq: 17 May 2023 20:22

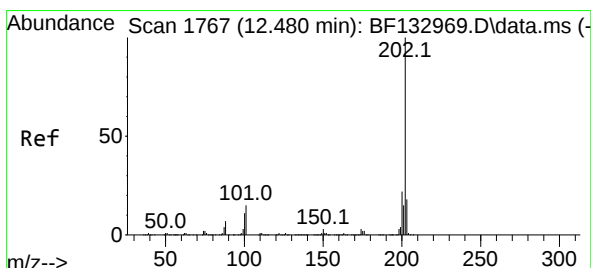
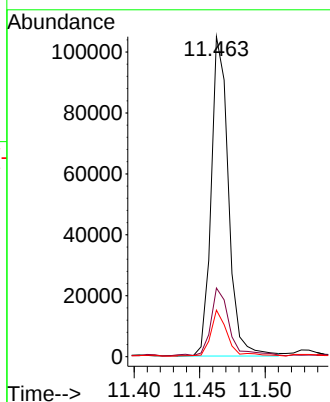
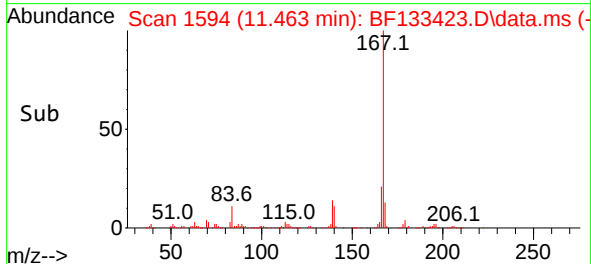
Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B1-0-3



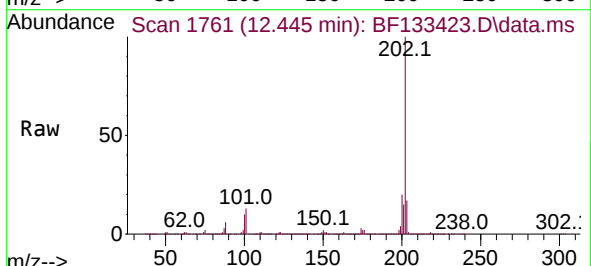
Tgt Ion:167 Resp: 95852
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.4 26.0
 139 14.5 10.6 16.0

Manual Integrations
 APPROVED

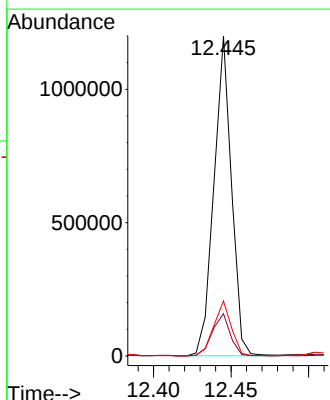
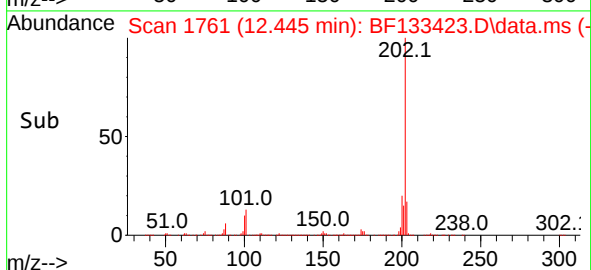
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

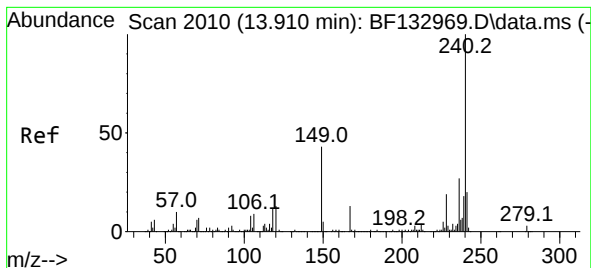


#75
 Fluoranthene
 Concen: 23.588 ng
 RT: 12.445 min Scan# 1761
 Delta R.T. -0.012 min
 Lab File: BF133423.D
 Acq: 17 May 2023 20:22



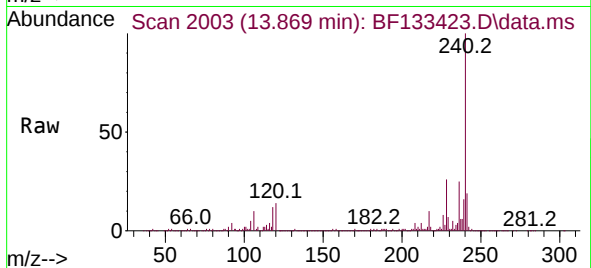
Tgt Ion:202 Resp: 944058
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 35.3
 203 17.2 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.869 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

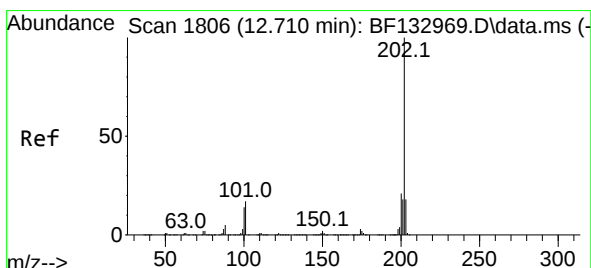
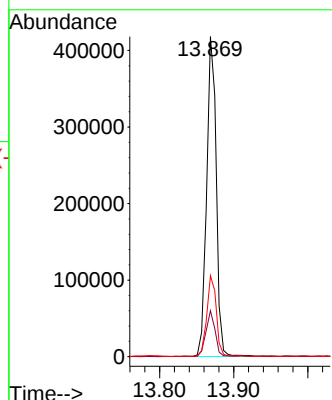
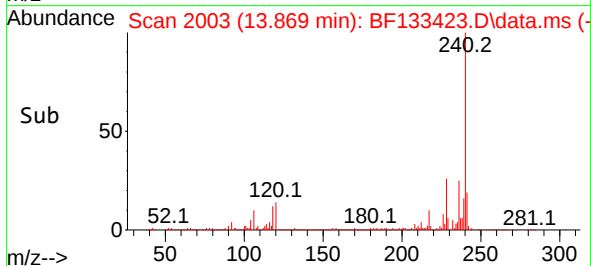
Instrument :
BNA_F
ClientSampleId :
WG-0516-B1-0-3



Tgt Ion:240 Resp: 37818
Ion Ratio Lower Upper
240 100
120 14.4 10.5 15.7
236 25.3 21.5 32.3

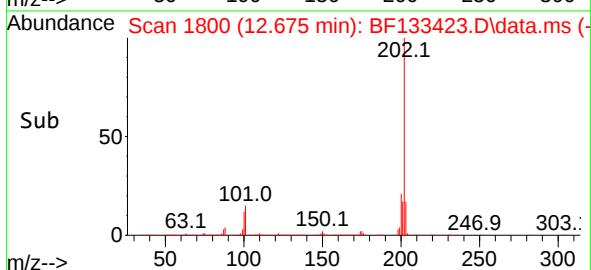
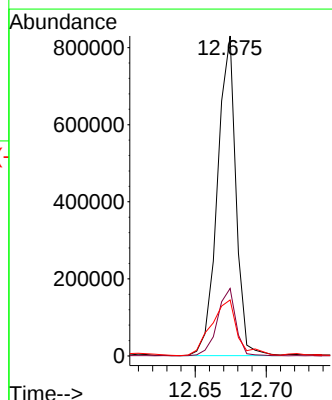
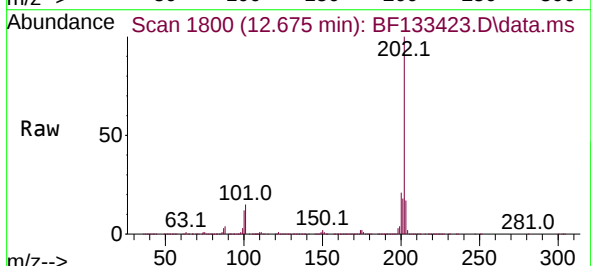
Manual Integrations
APPROVED

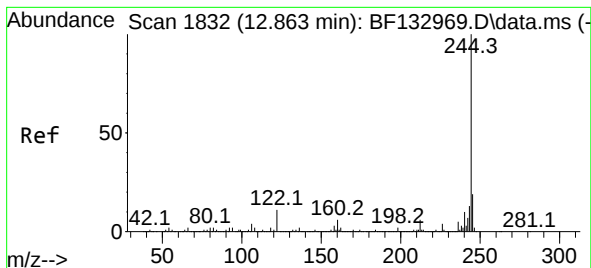
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#78
Pyrene
Concen: 23.142 ng
RT: 12.675 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Tgt Ion:202 Resp: 750252
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 70.198 ng

RT: 12.822 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133423.D

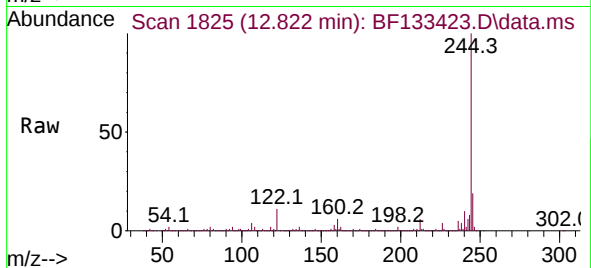
Acq: 17 May 2023 20:22

Instrument :

BNA_F

ClientSampleId :

WG-0516-B1-0-3



Tgt Ion:244 Resp: 1539289

Ion Ratio Lower Upper

244 100

212 6.0 5.1 7.7

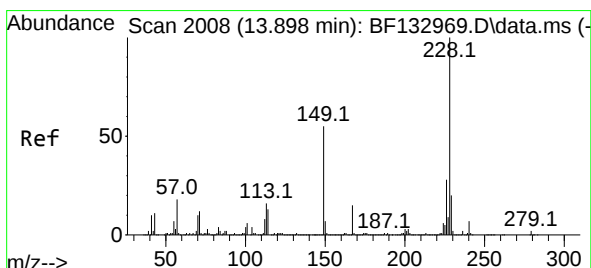
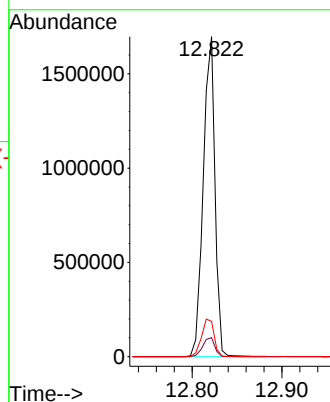
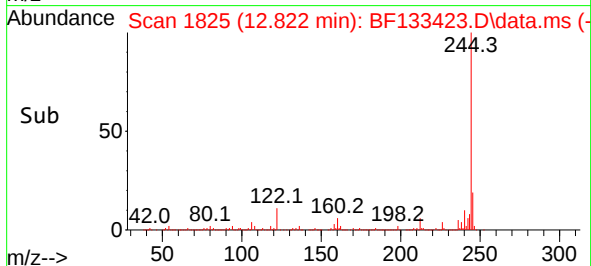
122 11.1 8.6 13.0

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: 12.403 ng

RT: 13.857 min Scan# 2001

Delta R.T. -0.018 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

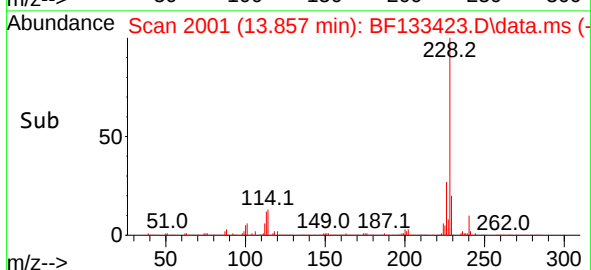
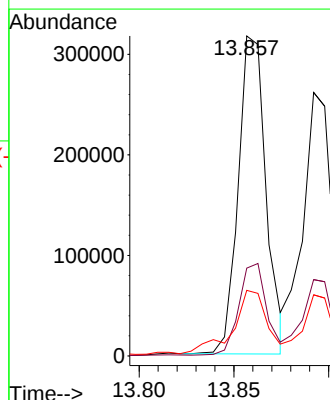
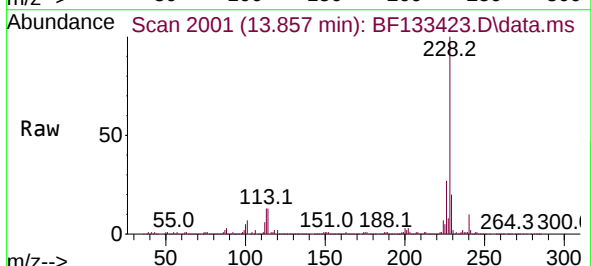
Tgt Ion:228 Resp: 322552

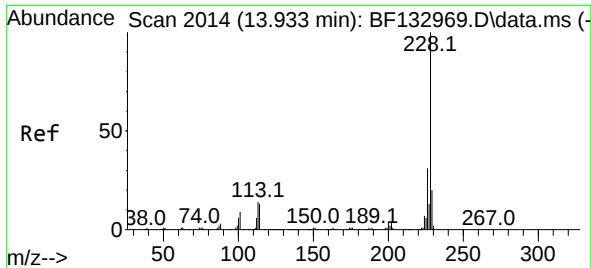
Ion Ratio Lower Upper

228 100

226 27.5 22.2 33.4

229 20.5 16.0 24.0





#83
Chrysene
Concen: 10.584 ng
RT: 13.892 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Instrument :

BNA_F

ClientSampleId :

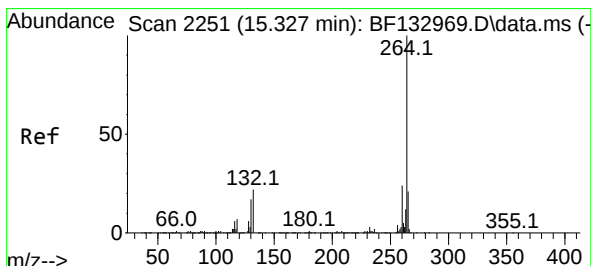
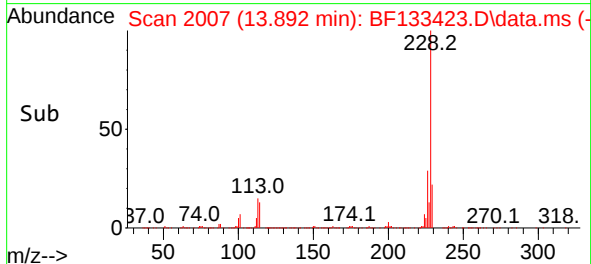
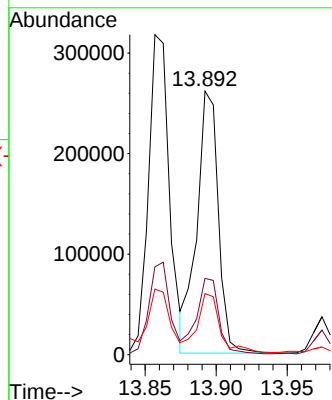
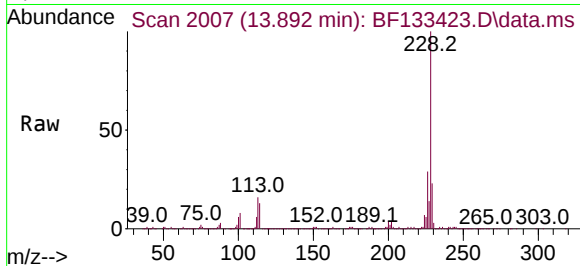
WG-0516-B1-0-3

Tgt Ion:228 Resp: 27518
Ion Ratio Lower Upper
228 100
226 29.0 24.7 37.1
229 23.2 16.1 24.1

Manual Integrations

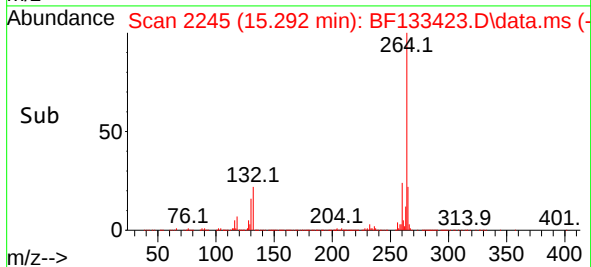
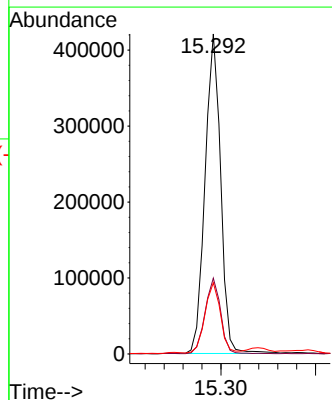
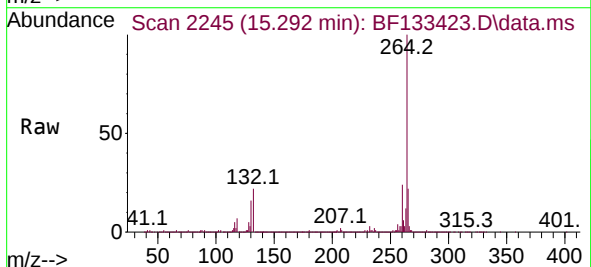
APPROVED

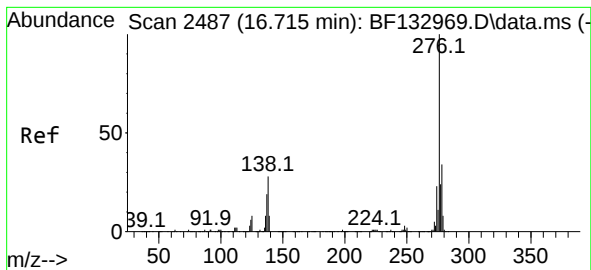
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF133423.D
Acq: 17 May 2023 20:22

Tgt Ion:264 Resp: 478423
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 22.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.232 ng

RT: 16.668 min Scan# 2487

Delta R.T. -0.029 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

Instrument :

BNA_F

ClientSampleId :

WG-0516-B1-0-3

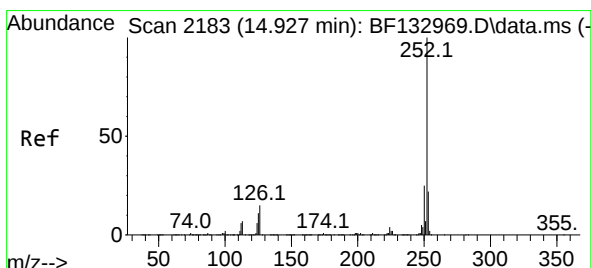
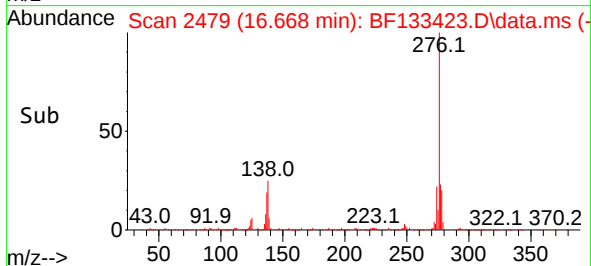
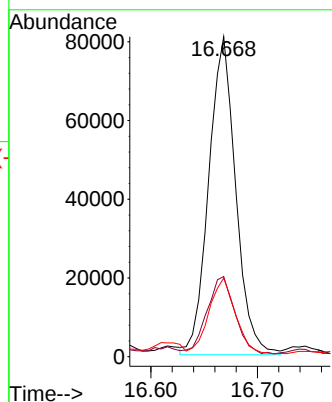
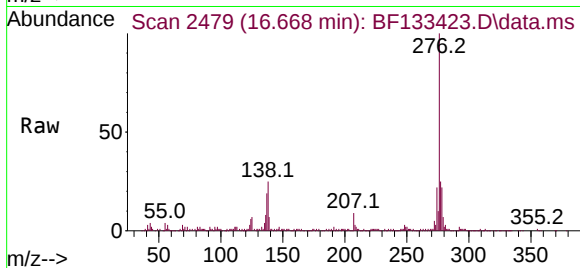
Tgt Ion:276 Resp: 142369
 Ion Ratio Lower Upper
 276 100
 138 25.2 25.5 38.3
 277 23.2 20.4 30.6

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: 12.201 ng m

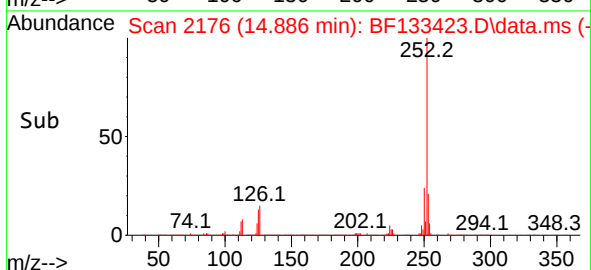
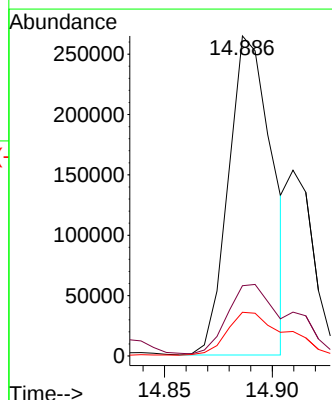
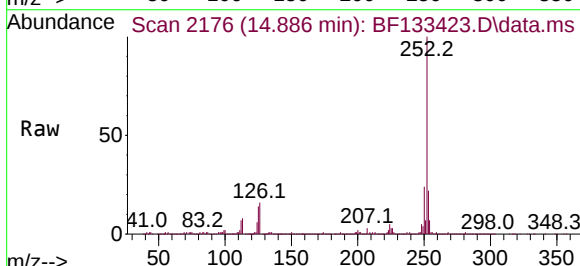
RT: 14.886 min Scan# 2176

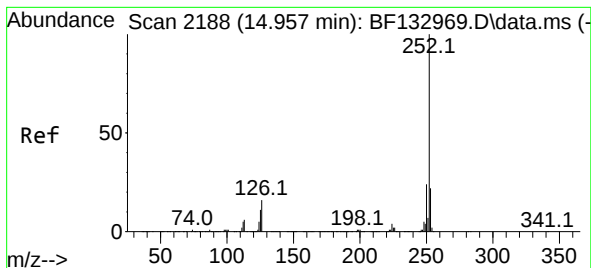
Delta R.T. -0.012 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

Tgt Ion:252 Resp: 371346
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.6 26.4
 125 13.6 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 4.221 ng m

RT: 14.910 min Scan# 2188

Delta R.T. -0.018 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

Instrument :

BNA_F

ClientSampleId :

WG-0516-B1-0-3

Tgt Ion:252 Resp: 12735

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

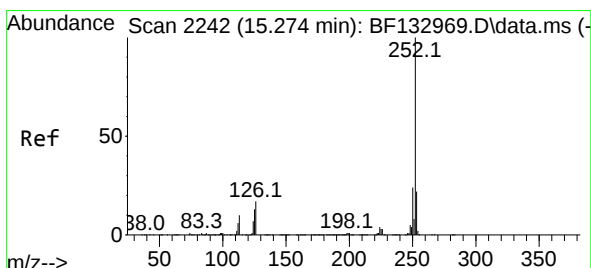
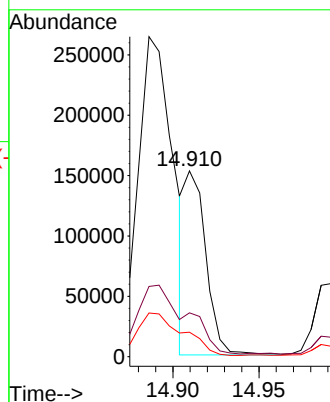
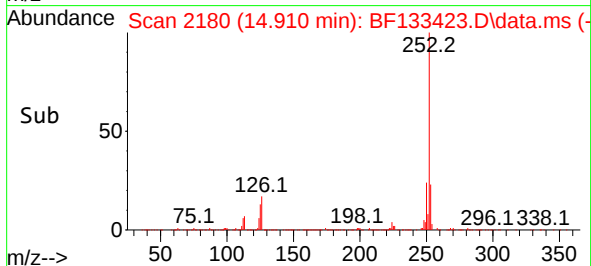
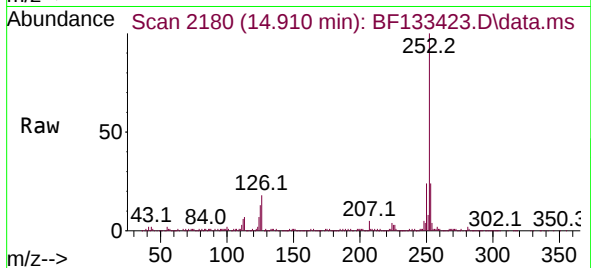
125 13.2 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#90

Benzo(a)pyrene

Concen: 10.278 ng

RT: 15.233 min Scan# 2235

Delta R.T. -0.012 min

Lab File: BF133423.D

Acq: 17 May 2023 20:22

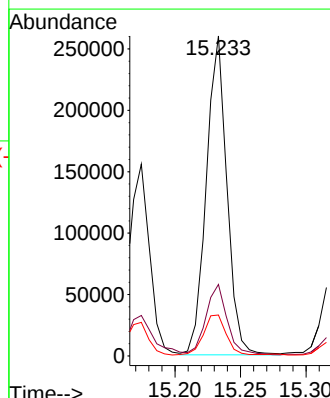
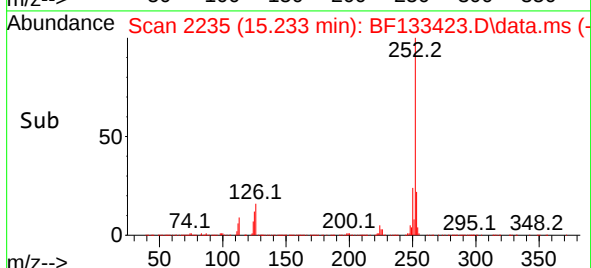
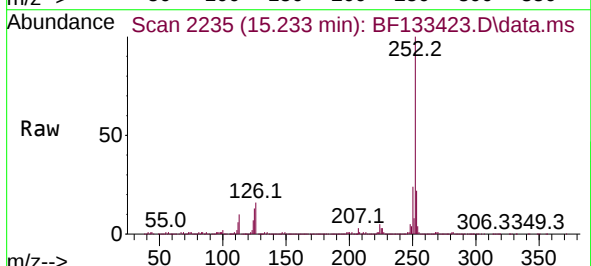
Tgt Ion:252 Resp: 284739

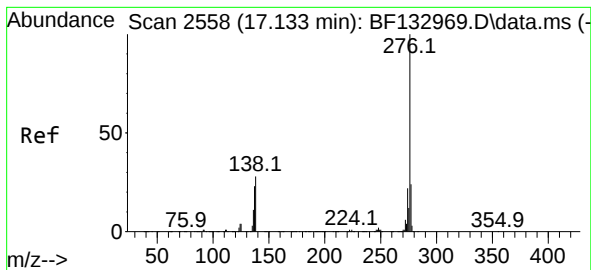
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

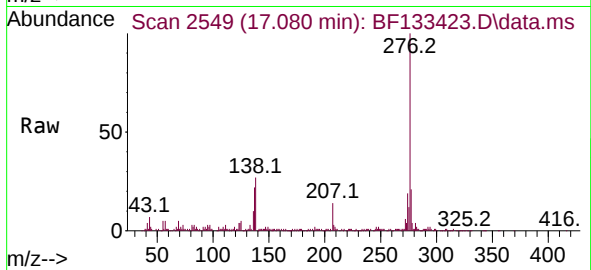
125 12.8 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 4.903 ng
 RT: 17.080 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF133423.D
 Acq: 17 May 2023 20:22

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B1-0-3



Tgt Ion: 276 Resp: 109878
 Ion Ratio Lower Upper
 276 100
 277 21.4 19.4 29.0
 138 27.1 22.7 34.1

Manual Integrations
 APPROVED

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

