

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
 Data File : BF133446.D
 Acq On : 18 May 2023 19:13
 Operator : CG\JU
 Sample : 02823-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-051723

Quant Time: May 19 03:21:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 18:12:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo
 05/19/2023
 Supervised By :Jagrit
 Upadhyay
 05/19/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	220401	20.000	ng	0.00
21) Naphthalene-d8	7.998	136	883840	20.000	ng	0.00
39) Acenaphthene-d10	9.745	164	434089	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	680852	20.000	ng	# 0.00
76) Chrysene-d12	13.868	240	492187	20.000	ng	-0.01
86) Perylene-d12	15.292	264	542709	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	621349	42.587	ng	0.00
7) Phenol-d6	6.351	99	757852	41.848	ng	-0.02
23) Nitrobenzene-d5	7.275	82	443350	27.076	ng	-0.01
42) 2,4,6-Tribromophenol	10.533	330	165316	37.868	ng	-0.01
45) 2-Fluorobiphenyl	9.069	172	883716	34.059	ng	-0.01
79) Terphenyl-d14	12.816	244	768381	26.925	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.251	178	103172	2.819	ng	100
75) Fluoranthene	12.445	202	281849	7.674	ng	95
78) Pyrene	12.668	202	375505	8.900	ng	100
81) Benzo(a)anthracene	13.857	228	252867m	7.471	ng	
83) Chrysene	13.892	228	241755	7.145	ng	97
87) Indeno(1,2,3-cd)pyrene	16.668	276	150850	4.887	ng	94
88) Benzo(b)fluoranthene	14.886	252	433892m	12.567	ng	
89) Benzo(k)fluoranthene	14.910	252	142368m	4.160	ng	
90) Benzo(a)pyrene	15.233	252	305227	9.712	ng	97
92) Benzo(g,h,i)perylene	17.080	276	140092	5.511	ng	99

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

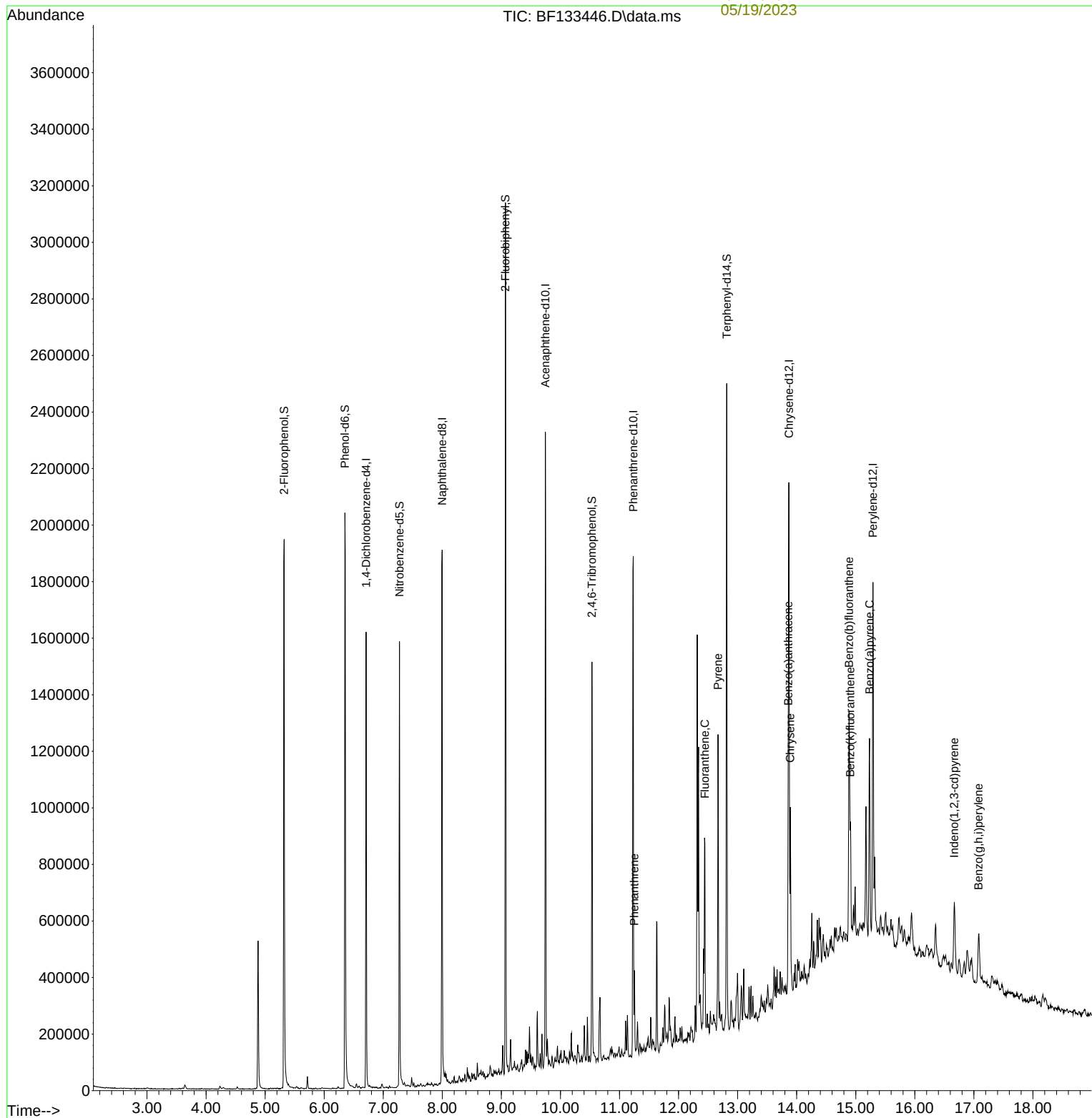
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
Data File : BF133446.D
Acq On : 18 May 2023 19:13
Operator : CG\JU
Sample : 02823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

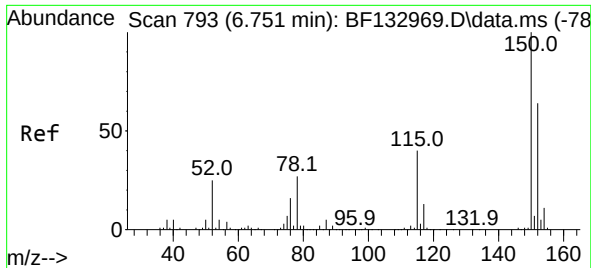
Instrument :
BNA_F
ClientSampleId :
HD-01-051723

Quant Time: May 19 03:21:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 18:12:00 2023
Response via : Initial Calibration

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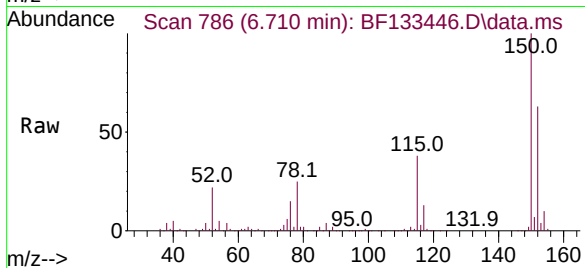
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

HD-01-051723

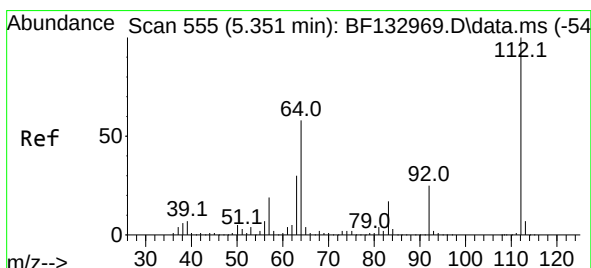
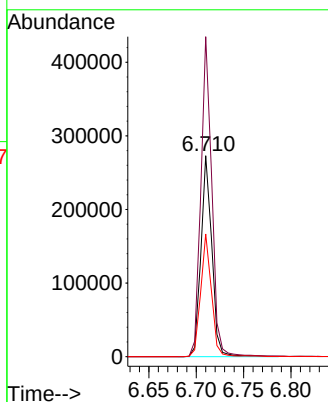
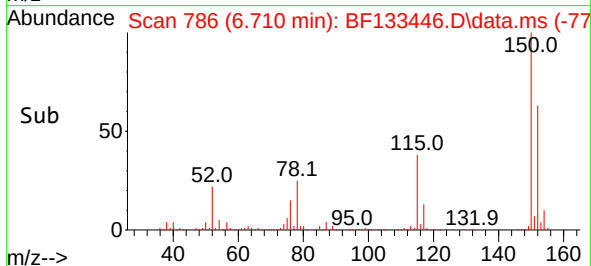


Tgt Ion:152 Resp: 22040
Ion Ratio Lower Upper
152 100
150 159.2 124.8 187.2
115 61.1 49.9 74.9

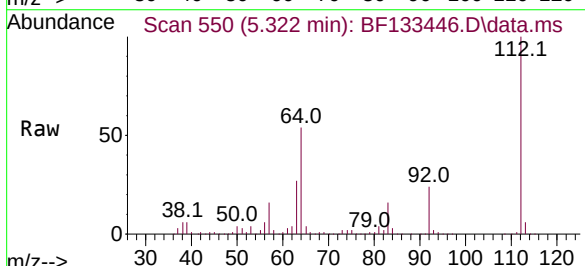
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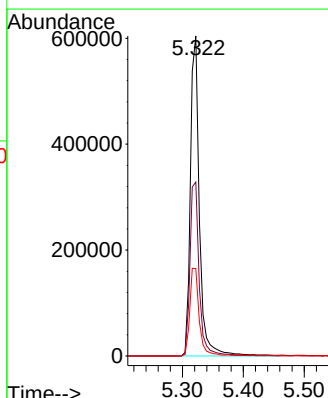
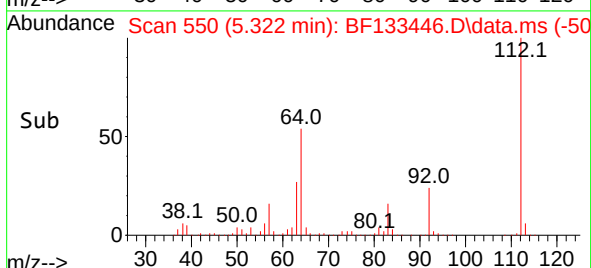
Supervised By :Jagrit
Upadhyay
05/19/2023

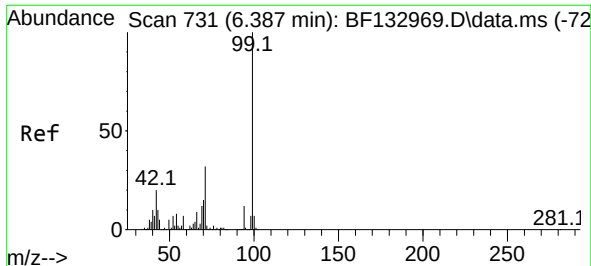


#5
2-Fluorophenol
Concen: 42.587 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13



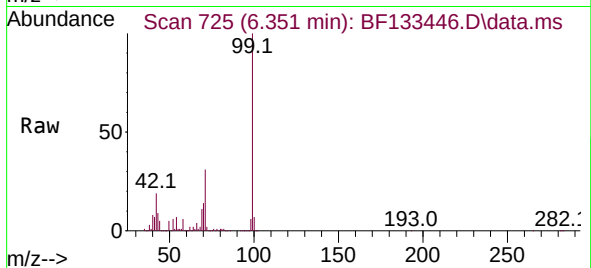
Tgt Ion:112 Resp: 621349
Ion Ratio Lower Upper
112 100
64 54.4 46.8 70.2
63 27.3 23.8 35.8





#7
Phenol-d6
Concen: 41.848 ng
RT: 6.351 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

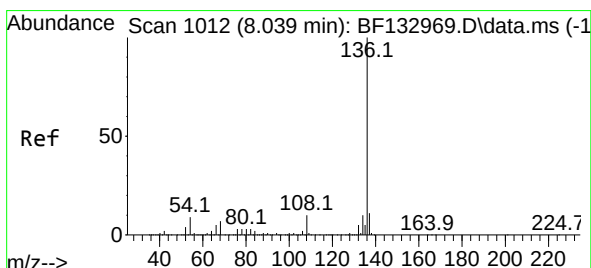
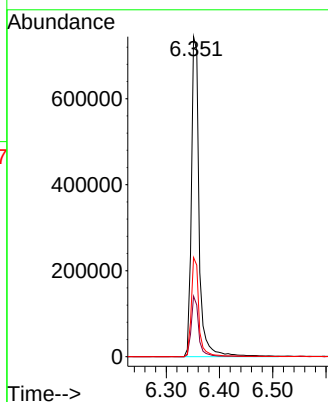
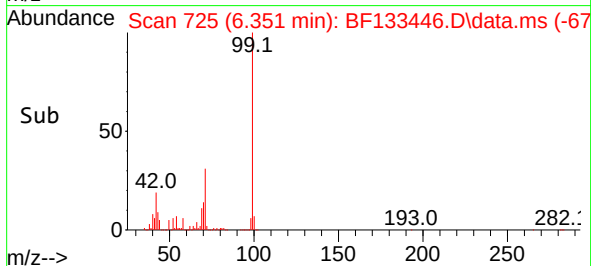
Instrument :
BNA_F
ClientSampleId :
HD-01-051723



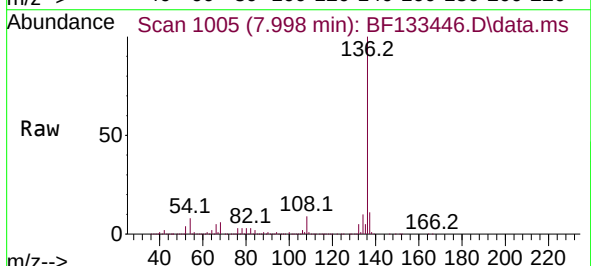
Tgt Ion: 99 Resp: 75785
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 31.0 25.6 38.4

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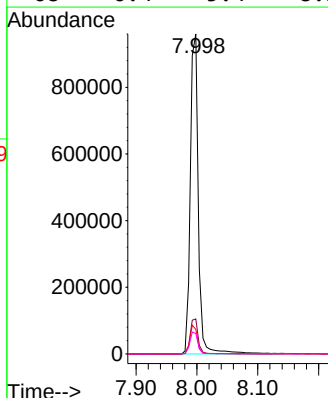
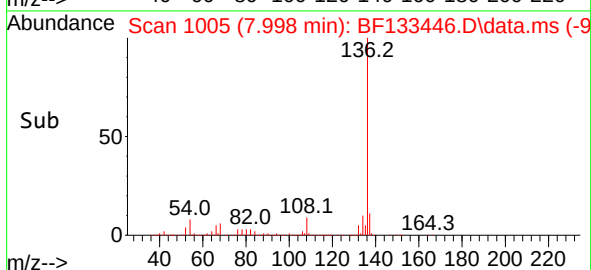
Reviewed By :Christian
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Supervised By :Jagrut
Upadhyay
05/19/2023

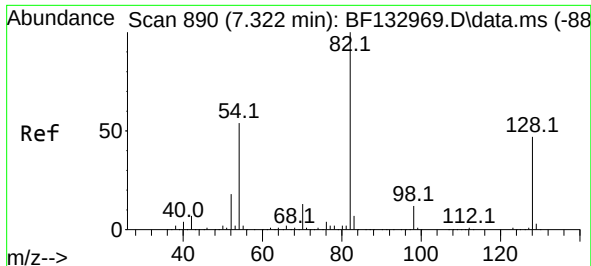


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13



Tgt Ion: 136 Resp: 883840
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.7 7.0 10.4
68 6.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 27.076 ng

RT: 7.275 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133446.D

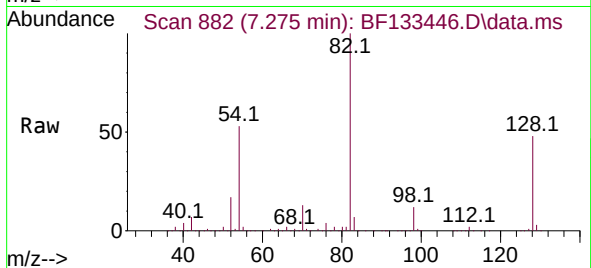
Acq: 18 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

HD-01-051723



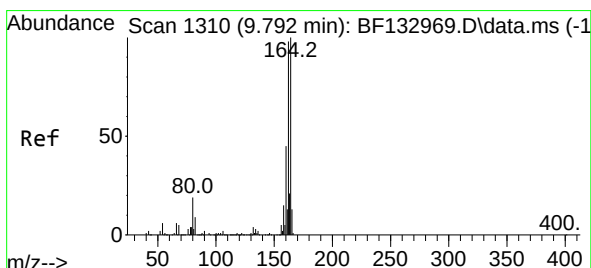
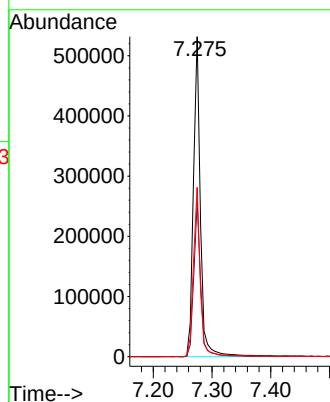
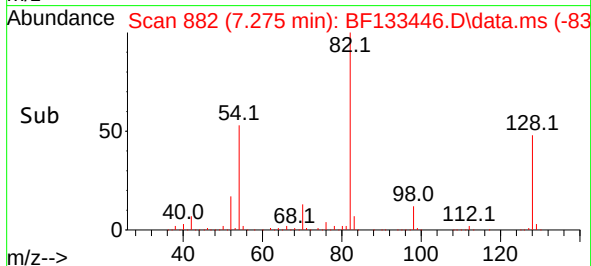
Tgt Ion: 82 Resp: 443350

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.7	56.5
54	52.9	43.0	64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.745 min Scan# 1302

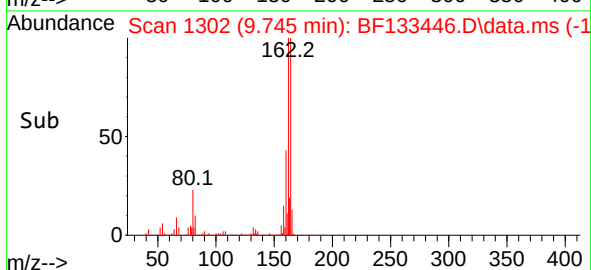
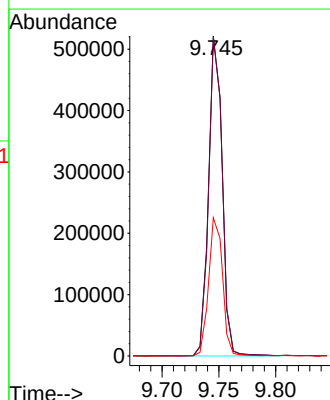
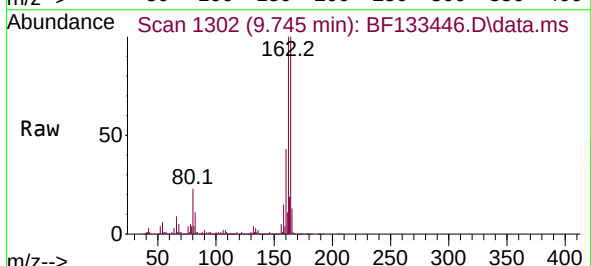
Delta R.T. -0.012 min

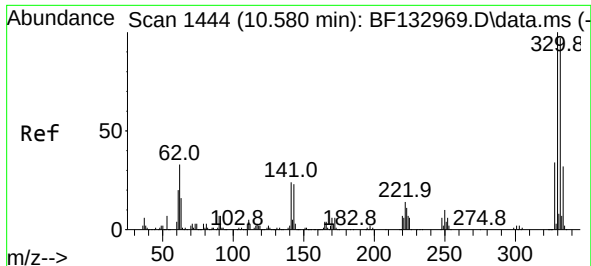
Lab File: BF133446.D

Acq: 18 May 2023 19:13

Tgt Ion:164 Resp: 434089

Ion	Ratio	Lower	Upper
164	100		
162	99.6	78.7	118.1
160	43.2	35.8	53.6





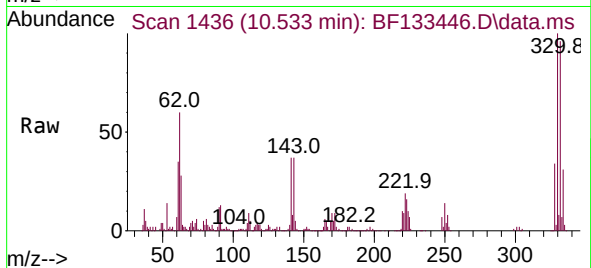
#42
2,4,6-Tribromophenol
Concen: 37.868 ng
RT: 10.533 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

HD-01-051723

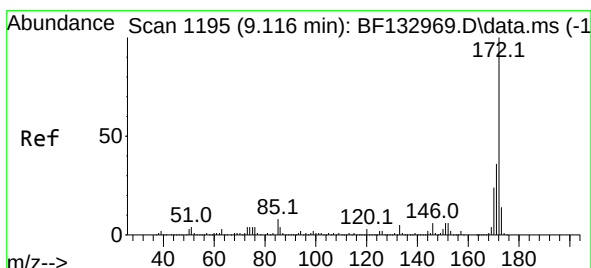
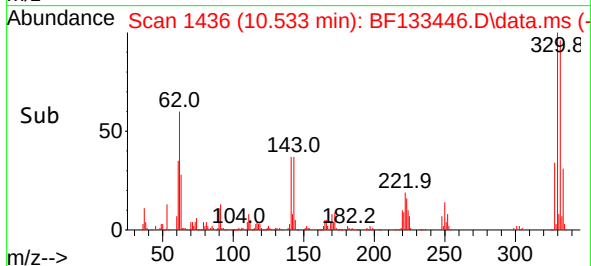
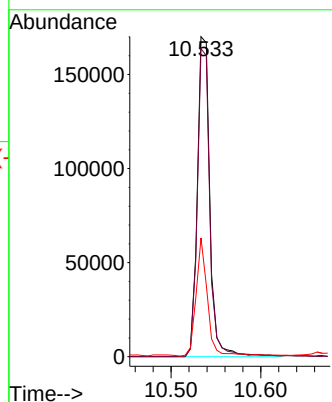


Tgt Ion: 330 Resp: 165310
Ion Ratio Lower Upper
330 100
332 95.5 77.1 115.7
141 33.8 25.8 38.8

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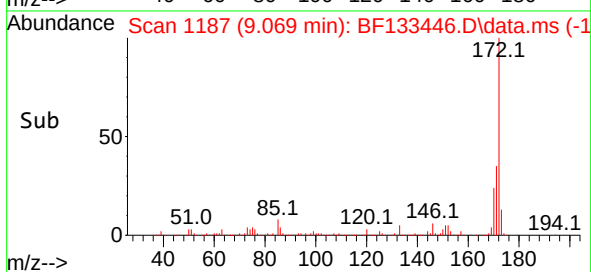
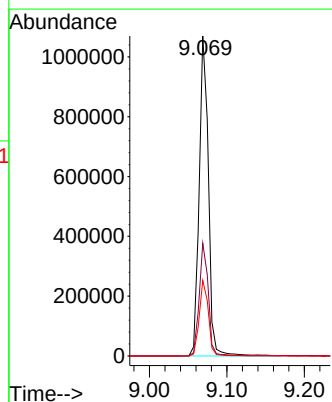
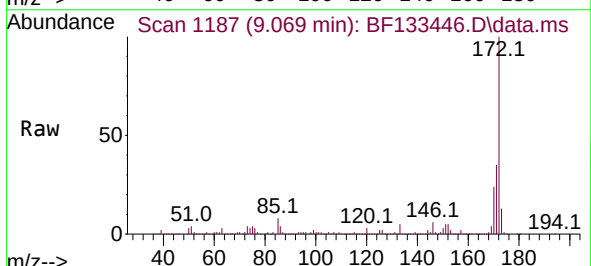
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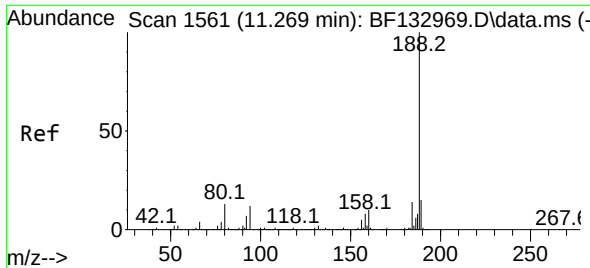
Supervised By : Jagrut
Upadhyay
05/19/2023



#45
2-Fluorobiphenyl
Concen: 34.059 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion: 172 Resp: 883716
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.6 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

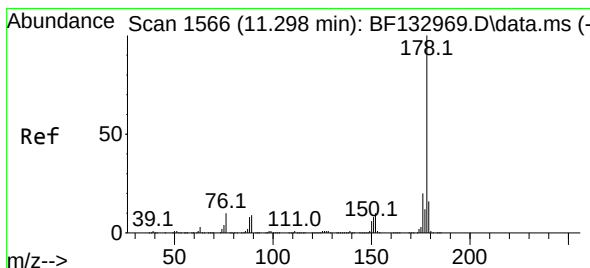
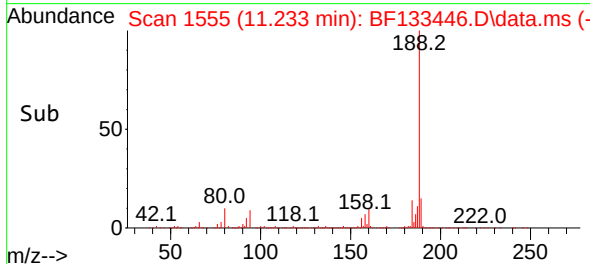
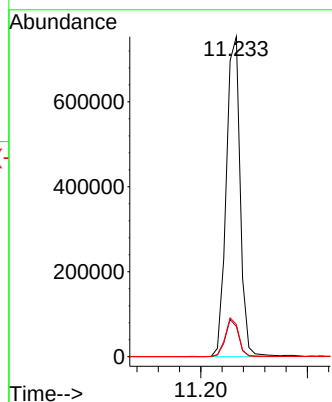
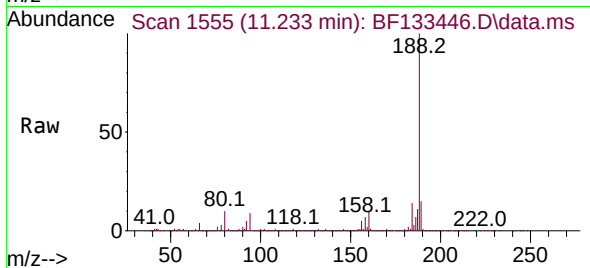
HD-01-051723

Tgt Ion:188 Resp: 680852
Ion Ratio Lower Upper
188 100
94 9.5 9.7 14.5
80 10.1 10.4 15.6

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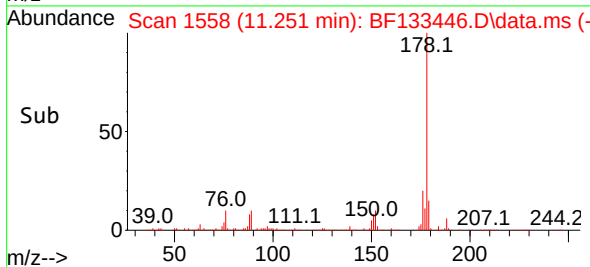
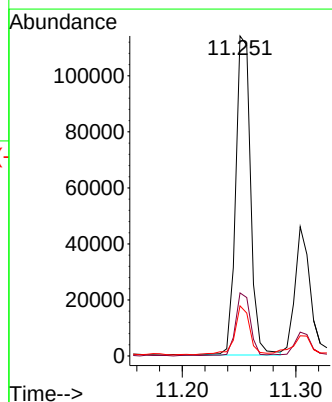
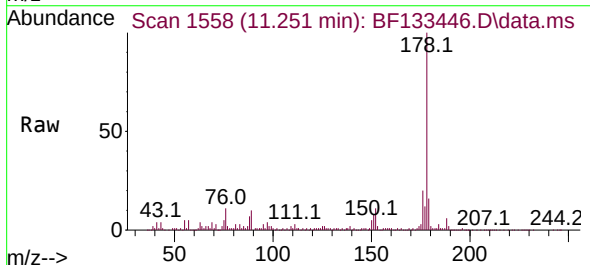
Reviewed By :Christian
Giraldo
05/19/2023

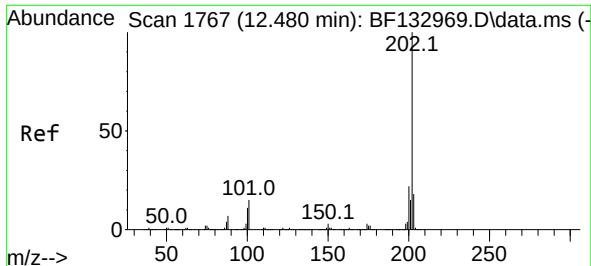
Supervised By :Jagrut
Upadhyay
05/19/2023



#71
Phenanthrene
Concen: 2.819 ng
RT: 11.251 min Scan# 1558
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

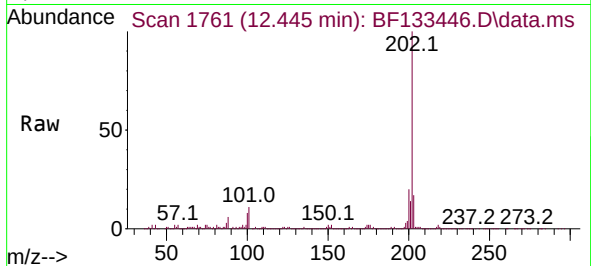
Tgt Ion:178 Resp: 103172
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.7 12.5 18.7





#75
Fluoranthene
Concen: 7.674 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

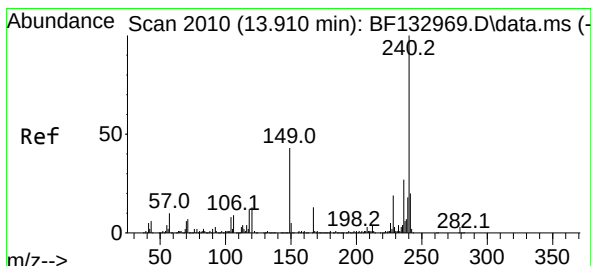
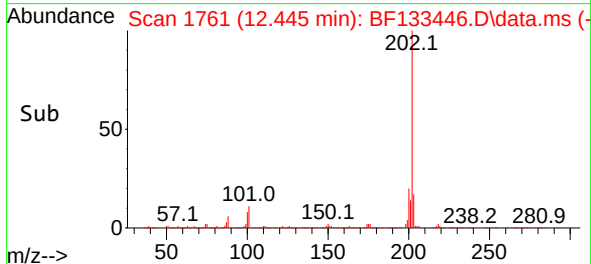
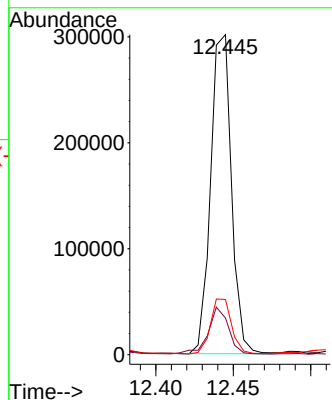
Instrument :
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HD-01-051723



Tgt Ion:202 Resp: 281849
Ion Ratio Lower Upper
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101 11.4 0.0 35.3
203 17.2 0.0 38.1

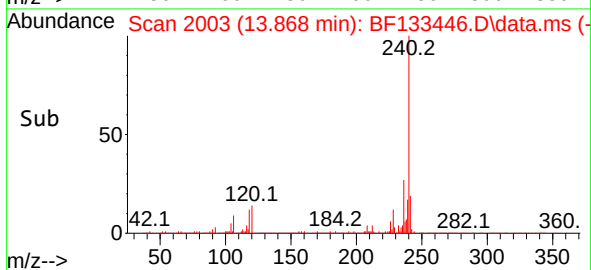
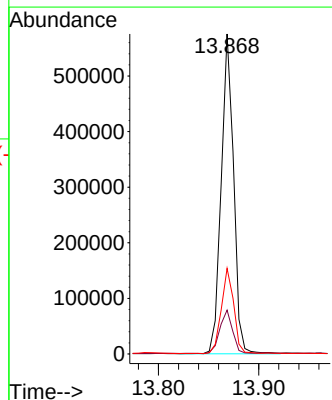
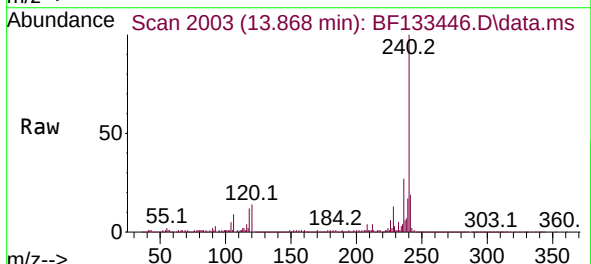
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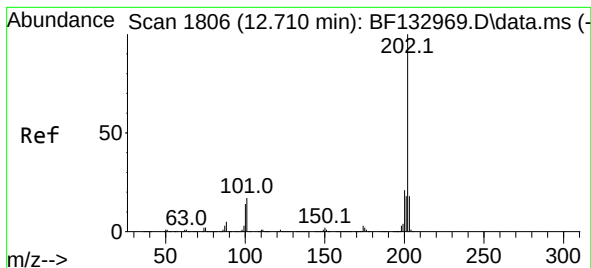
Reviewed By :Christian
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Supervised By :Jagrut
Upadhyay
05/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion:240 Resp: 492187
Ion Ratio Lower Upper
240 100
120 13.7 10.5 15.7
236 26.8 21.5 32.3





#78

Pyrene

Concen: 8.900 ng

RT: 12.668 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133446.D

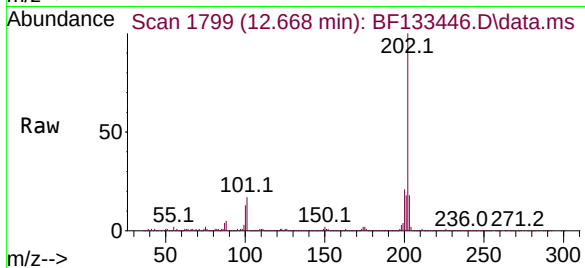
Acq: 18 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

HD-01-051723

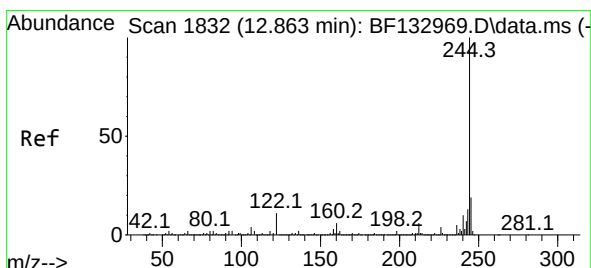
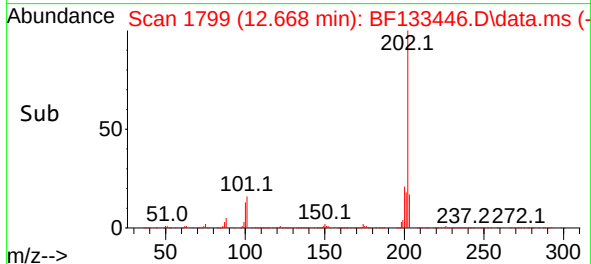
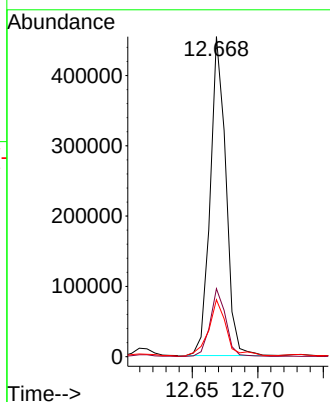


Tgt Ion:	202	Resp:	37550
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.1	25.7
203	17.8	14.1	21.1

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05/19/2023



#79

Terphenyl-d14

Concen: 26.925 ng

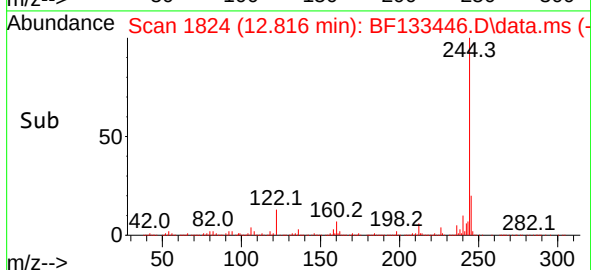
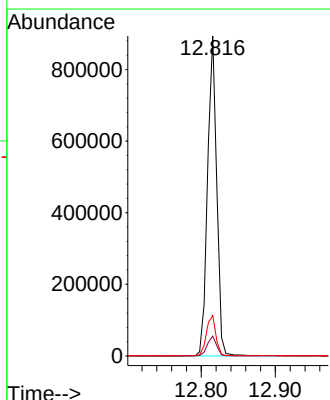
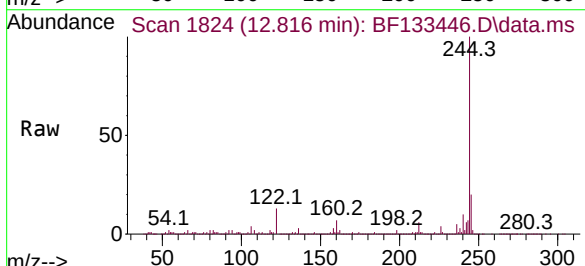
RT: 12.816 min Scan# 1824

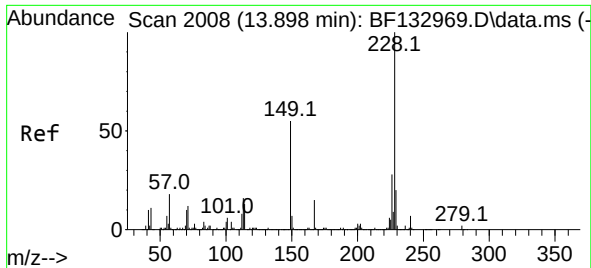
Delta R.T. -0.012 min

Lab File: BF133446.D

Acq: 18 May 2023 19:13

Tgt Ion:	244	Resp:	768381
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.1	7.7
122	12.6	8.6	13.0





#81
Benzo(a)anthracene
Concen: 7.471 ng m
RT: 13.857 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

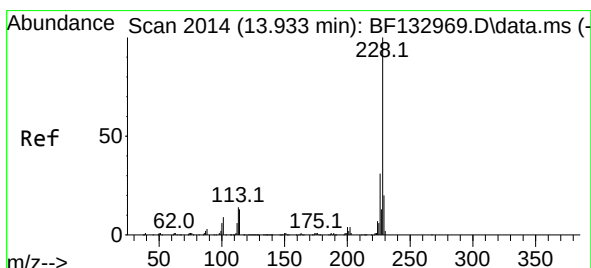
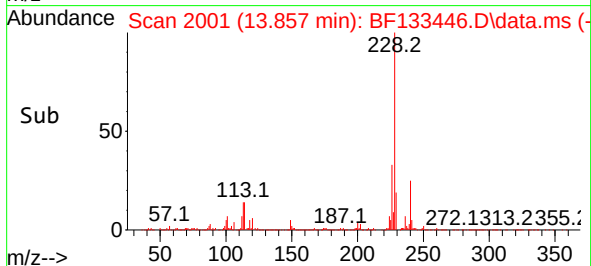
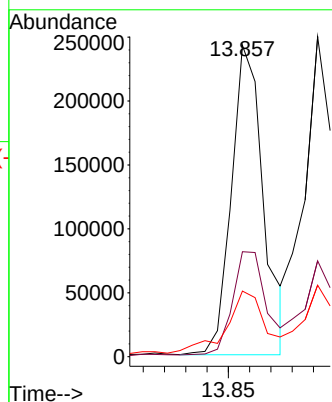
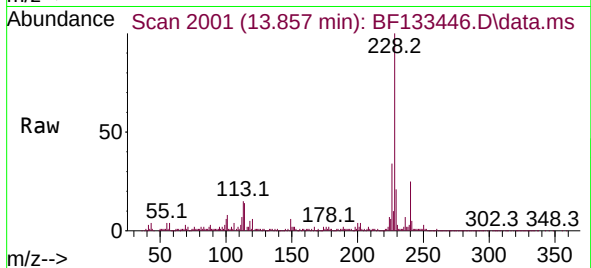
HD-01-051723

Tgt Ion:228 Resp: 25286
Ion Ratio Lower Upper
228 100
226 33.7 22.2 33.4
229 21.1 16.0 24.0

Manual Integrations
APPROVED

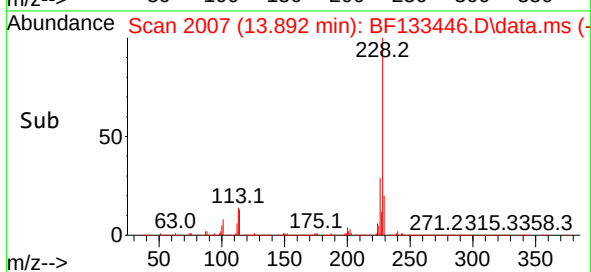
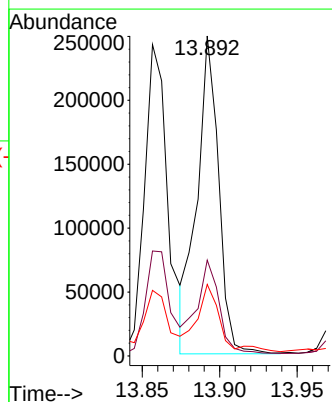
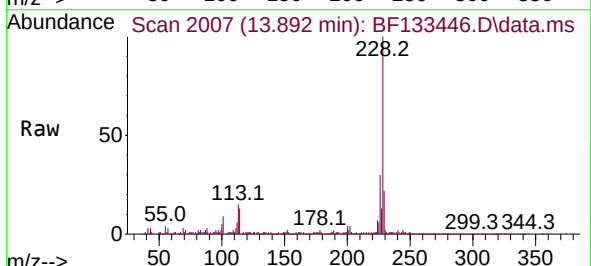
Reviewed By :Christian
Giraldo
05/19/2023

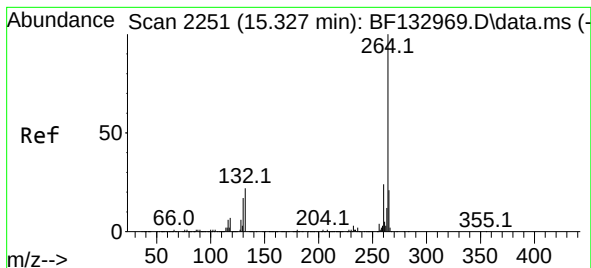
Supervised By :Jagrut
Upadhyay
05/19/2023



#83
Chrysene
Concen: 7.145 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion:228 Resp: 241755
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 22.3 16.1 24.1





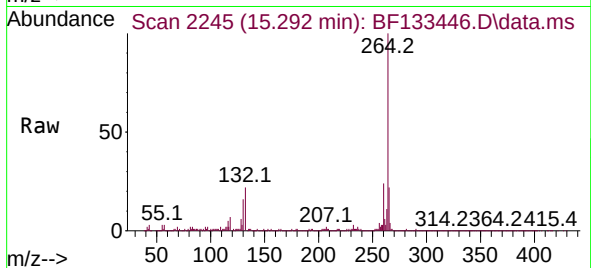
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

HD-01-051723

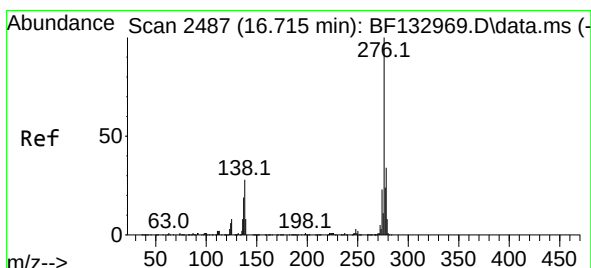
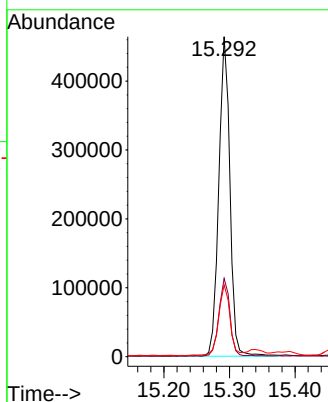
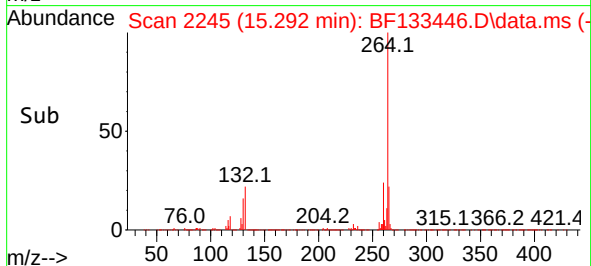


Tgt Ion:264 Resp: 542709
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 22.4 17.0 25.4

Manual Integrations
APPROVED

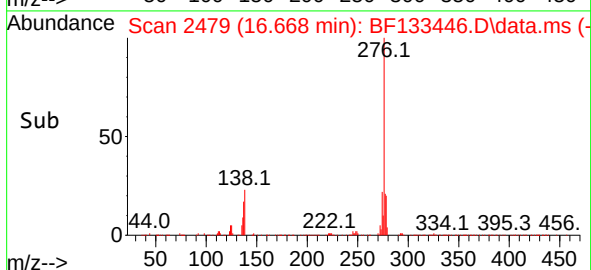
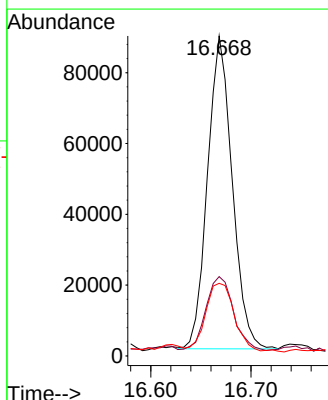
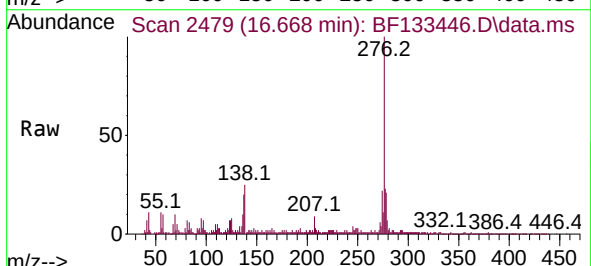
Reviewed By :Christian
Giraldo
05/19/2023

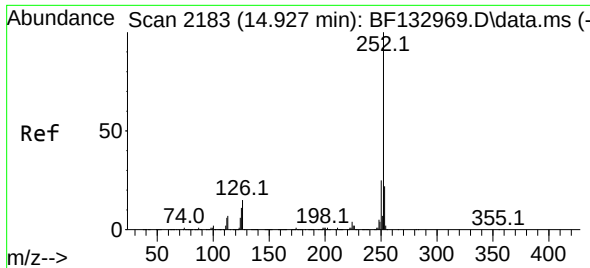
Supervised By :Jagrut
Upadhyay
05/19/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.887 ng
RT: 16.668 min Scan# 2479
Delta R.T. -0.018 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion:276 Resp: 150850
Ion Ratio Lower Upper
276 100
138 26.4 25.5 38.3
277 25.9 20.4 30.6





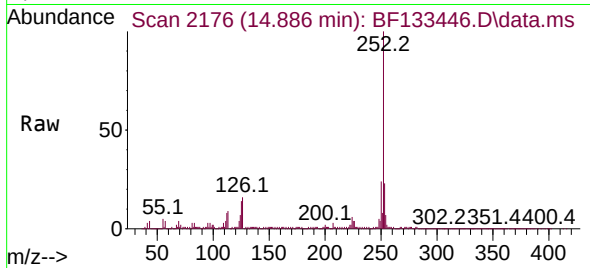
#88
Benzo(b)fluoranthene
Concen: 12.567 ng m
RT: 14.886 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

HD-01-051723

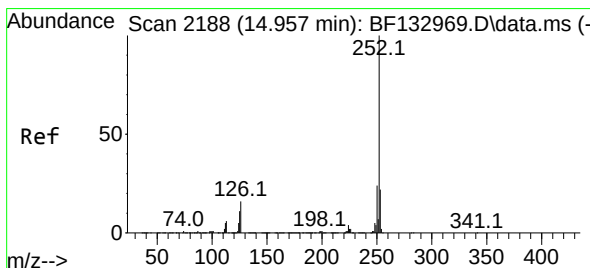
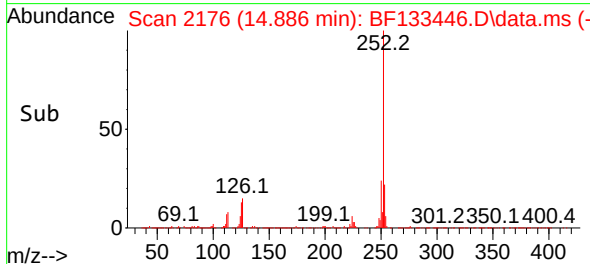
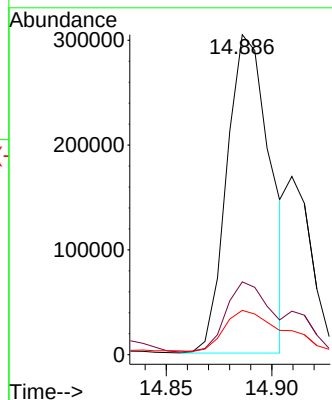


Tgt Ion:252 Resp: 433892
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 13.8 8.9 13.3

Manual Integrations
APPROVED

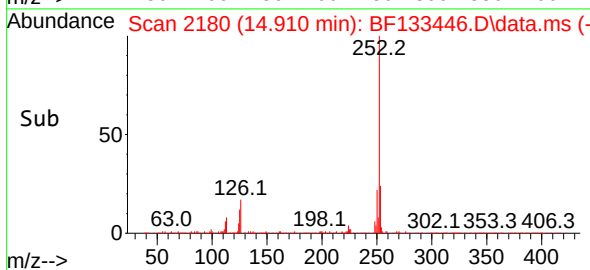
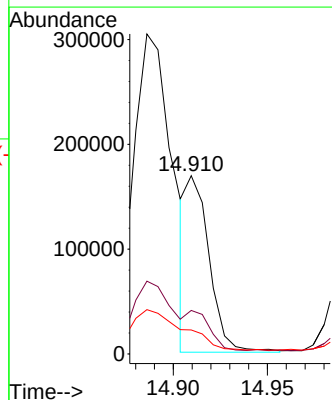
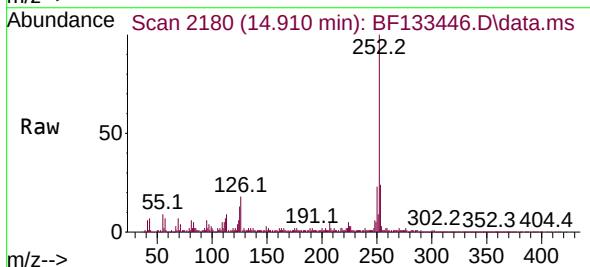
Reviewed By :Christian
Giraldo
05/19/2023

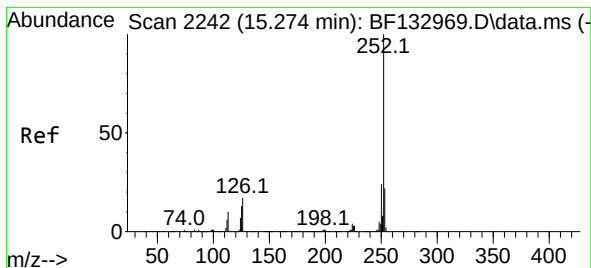
Supervised By :Jagrut
Upadhyay
05/19/2023



#89
Benzo(k)fluoranthene
Concen: 4.160 ng m
RT: 14.910 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BF133446.D
Acq: 18 May 2023 19:13

Tgt Ion:252 Resp: 142368
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 13.5 9.0 13.4





#90

Benzo(a)pyrene

Concen: 9.712 ng

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133446.D

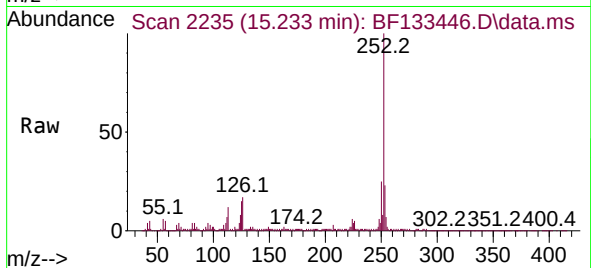
Acq: 18 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

HD-01-051723



Tgt Ion:252 Resp: 30522

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 14.5 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Christian

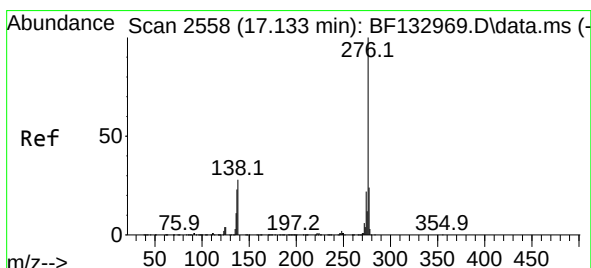
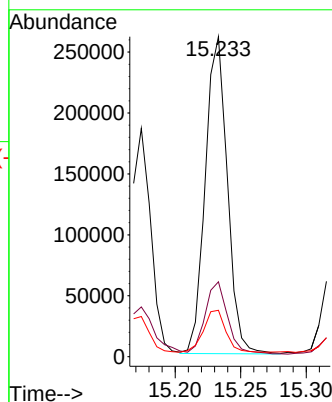
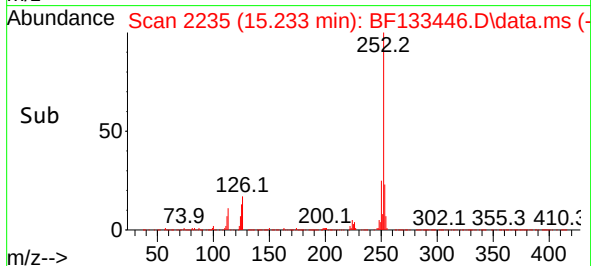
Giraldo

05/19/2023

Supervised By :Jagrut

Upadhyay

05/19/2023



#92

Benzo(g,h,i)perylene

Concen: 5.511 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.024 min

Lab File: BF133446.D

Acq: 18 May 2023 19:13

Tgt Ion:276 Resp: 140092

Ion Ratio Lower Upper

276 100

277 24.9 19.4 29.0

138 27.7 22.7 34.1

