

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133379.D
 Acq On : 12 May 2023 20:28
 Operator : CG\JU
 Sample : 02750-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-1-051123

Quant Time: May 12 23:37:13 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 11 16:40:17 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/15/2023
 Supervised By :Yogesh Patel 05/16/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	200728	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	769037	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	341735	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	565264	20.000	ng	0.00
76) Chrysene-d12	13.880	240	350667	20.000	ng	0.00
86) Perylene-d12	15.304	264	291066	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	219411	16.512	ng	0.00
7) Phenol-d6	6.363	99	271395	16.455	ng	0.00
23) Nitrobenzene-d5	7.281	82	148350	10.412	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	46254	13.458	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	305965	14.979	ng	0.00
79) Terphenyl-d14	12.822	244	297508	14.632	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.304	166	54999m	2.593	ng	
71) Phenanthrene	11.263	178	759646	25.004	ng	100
72) Anthracene	11.316	178	231415	7.443	ng	100
75) Fluoranthene	12.457	202	1398676	45.872	ng	98
78) Pyrene	12.680	202	1211742	40.310	ng	98
81) Benzo(a)anthracene	13.869	228	535945	22.225	ng	98
83) Chrysene	13.904	228	458467	19.017	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	181179	10.943	ng	92
88) Benzo(b)fluoranthene	14.898	252	482835m	26.075	ng	
89) Benzo(k)fluoranthene	14.921	252	158851m	8.654	ng	
90) Benzo(a)pyrene	15.245	252	335348	19.897	ng	96
91) Dibenzo(a,h)anthracene	16.692	278	46050	3.335	ng	# 73
92) Benzo(g,h,i)perylene	17.104	276	162553	11.924	ng	97

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

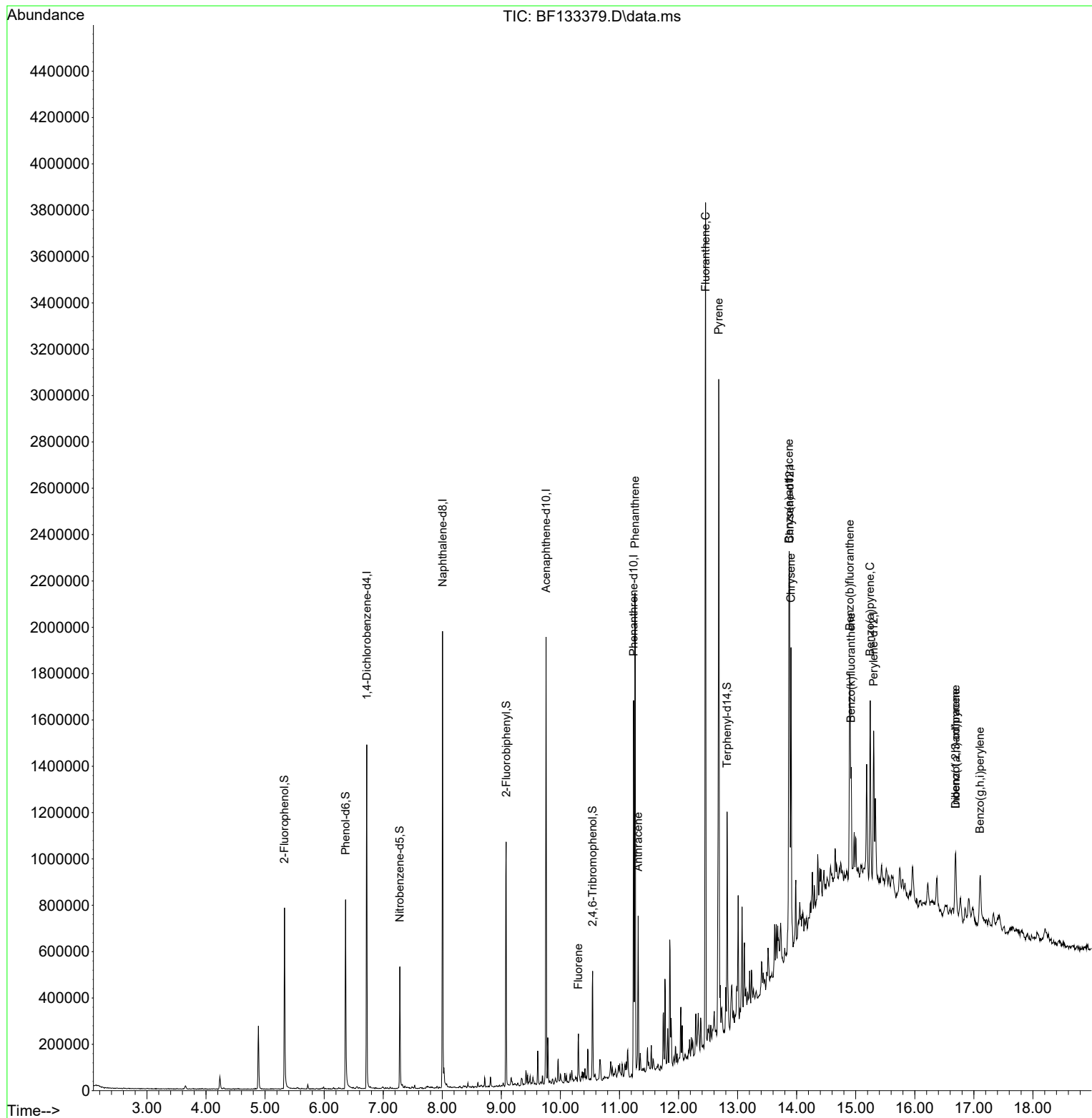
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133379.D
Acq On : 12 May 2023 20:28
Operator : CG\JU
Sample : 02750-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

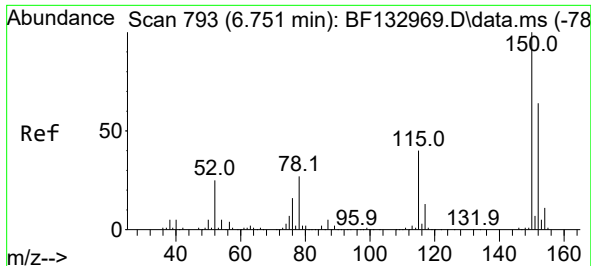
Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Quant Time: May 12 23:37:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
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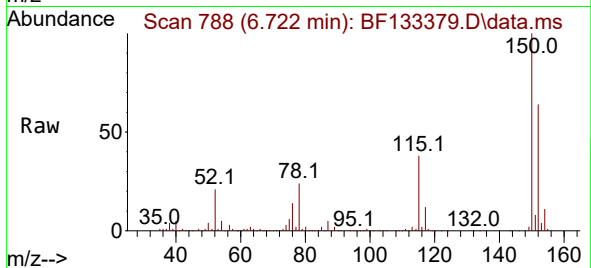
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 793
Delta R.T. -0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Instrument :

BNA_F

ClientSampleId :

PAT-1-051123

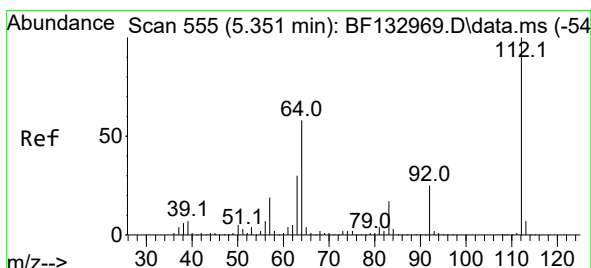
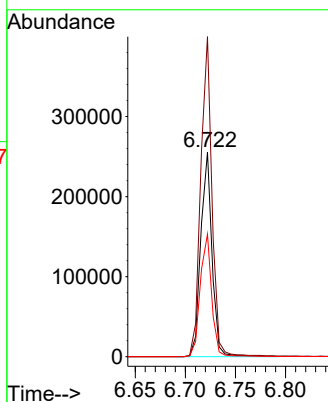
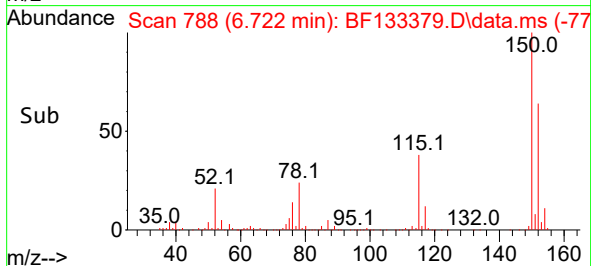


Tgt Ion:152 Resp: 200728
Ion Ratio Lower Upper
152 100
150 156.4 124.8 187.2
115 59.9 49.9 74.9

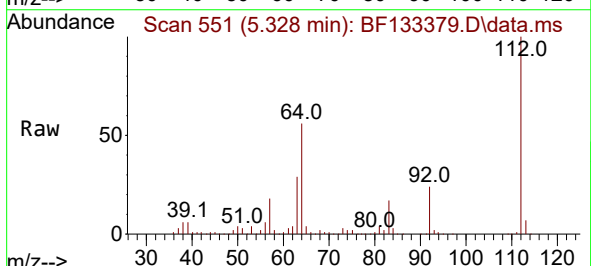
Manual Integrations

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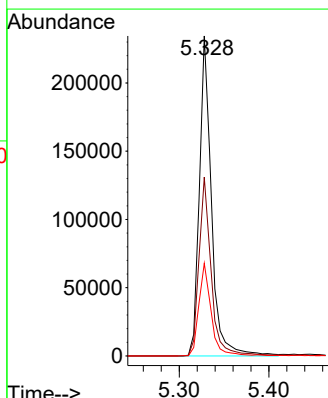
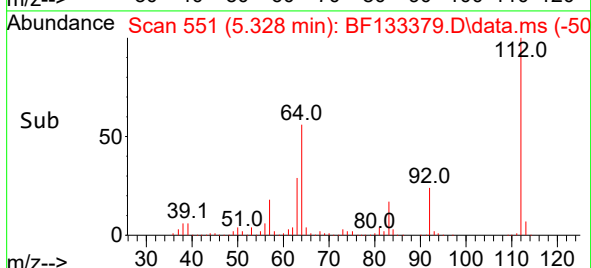
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

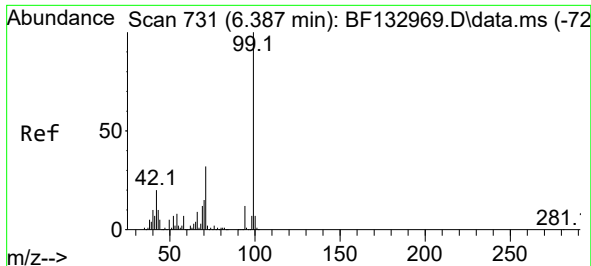


#5
2-Fluorophenol
Concen: 16.512 ng
RT: 5.328 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28



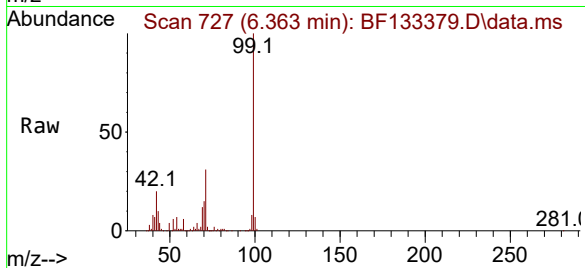
Tgt Ion:112 Resp: 219411
Ion Ratio Lower Upper
112 100
64 55.9 46.8 70.2
63 28.9 23.8 35.8





#7
Phenol-d6
Concen: 16.455 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

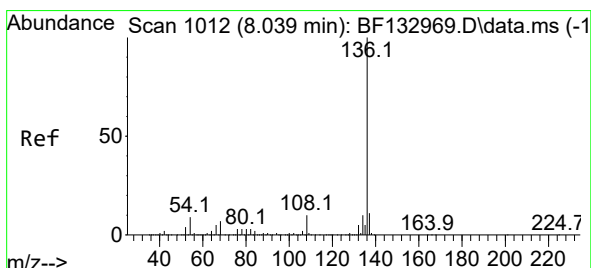
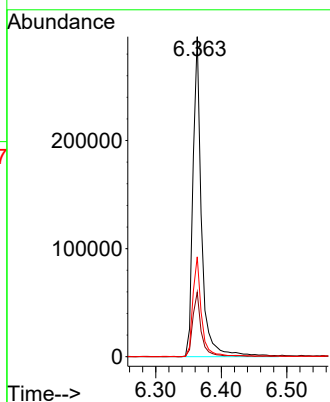
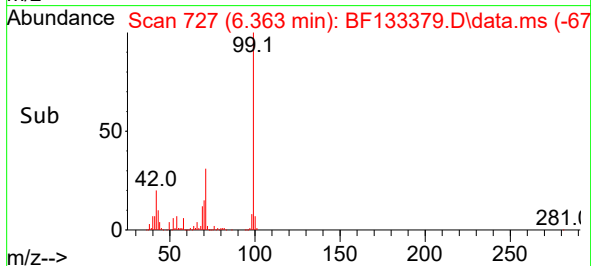
Instrument :
BNA_F
ClientSampleId :
PAT-1-051123



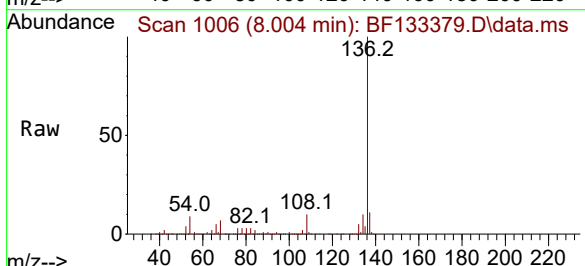
Tgt Ion: 99 Resp: 27139
Ion Ratio Lower Upper
99 100
42 20.2 16.3 24.5
71 31.2 25.6 38.4

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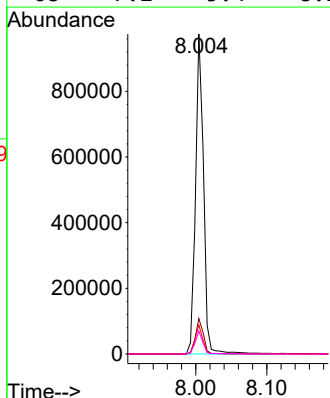
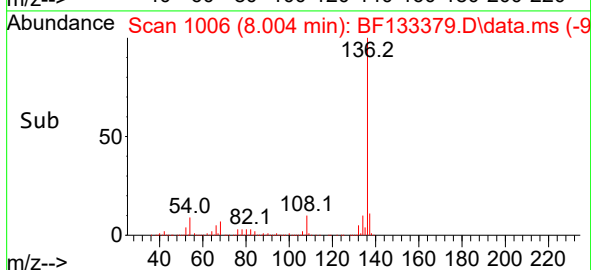
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

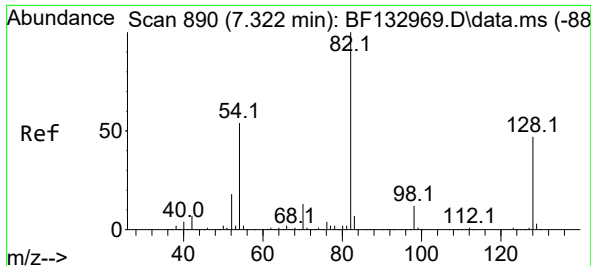


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28



Tgt Ion:136 Resp: 769037
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.1 7.0 10.4
68 7.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 10.412 ng

RT: 7.281 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

Instrument :

BNA_F

ClientSampleId :

PAT-1-051123

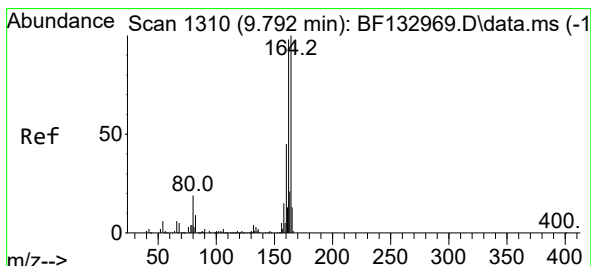
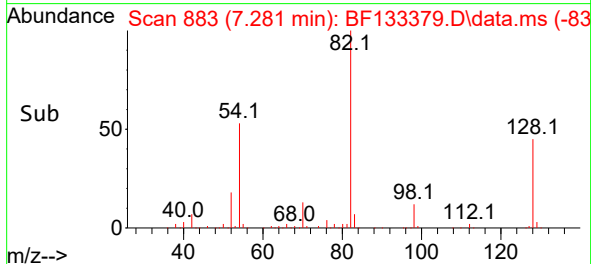
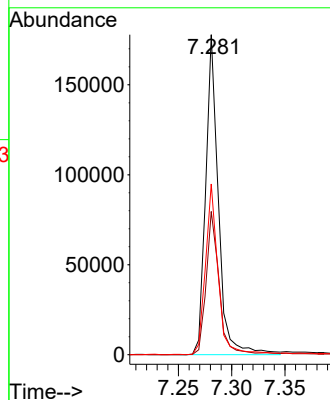
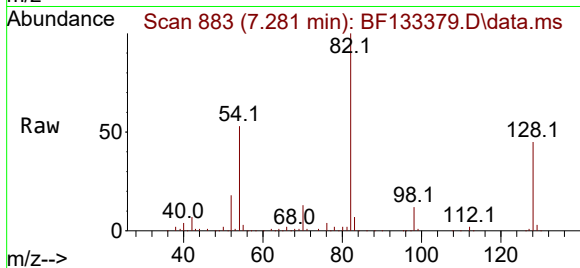
Tgt Ion: 82 Resp: 148350

Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.7	56.5
54	53.3	43.0	64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

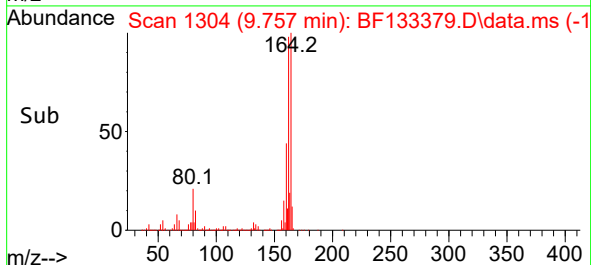
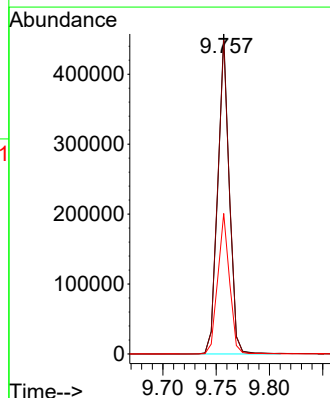
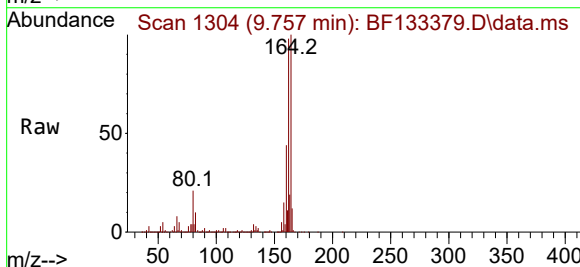
Delta R.T. 0.000 min

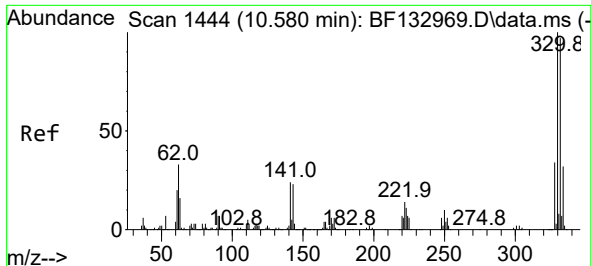
Lab File: BF133379.D

Acq: 12 May 2023 20:28

Tgt Ion:164 Resp: 341735

Ion	Ratio	Lower	Upper
164	100		
162	98.1	78.7	118.1
160	43.9	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 13.458 ng
RT: 10.545 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Instrument :

BNA_F

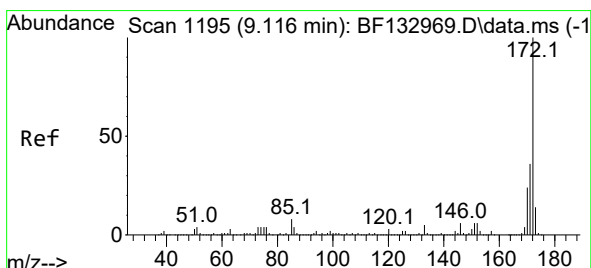
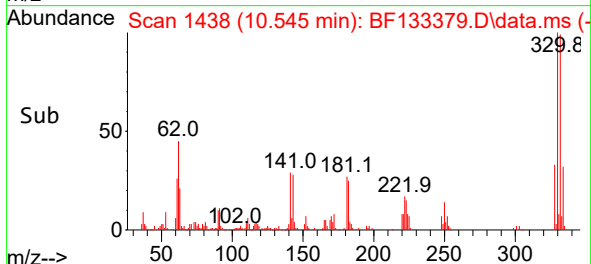
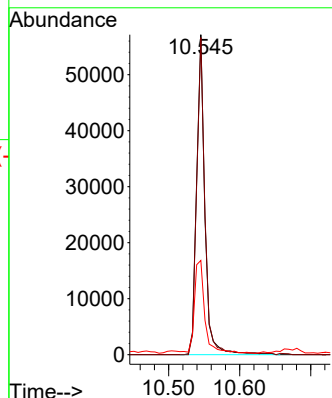
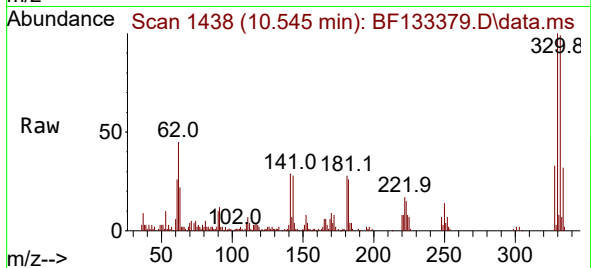
ClientSampleId :

PAT-1-051123

Tgt Ion: 330 Resp: 46254
Ion Ratio Lower Upper
330 100
332 99.5 77.1 115.7
141 36.8 25.8 38.8

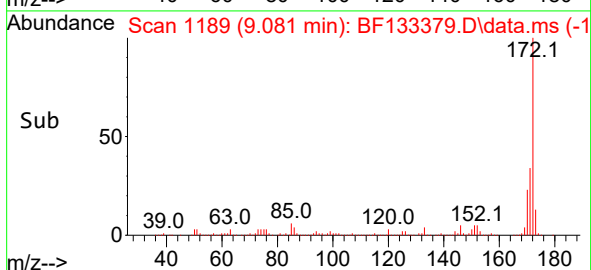
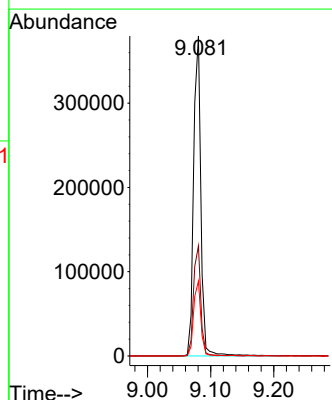
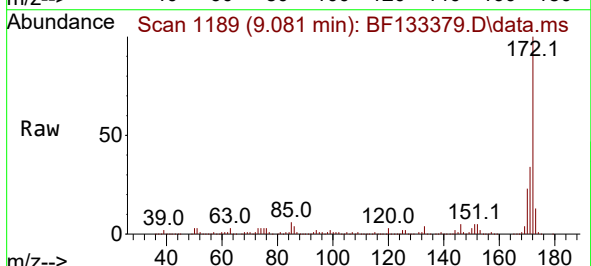
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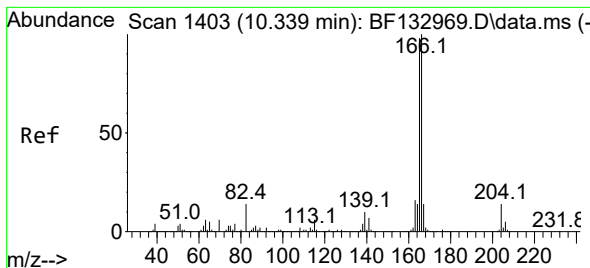
Reviewed By : Christian Giraldo 05/15/2023
Supervised By : Yogesh Patel 05/16/2023



#45
2-Fluorobiphenyl
Concen: 14.979 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

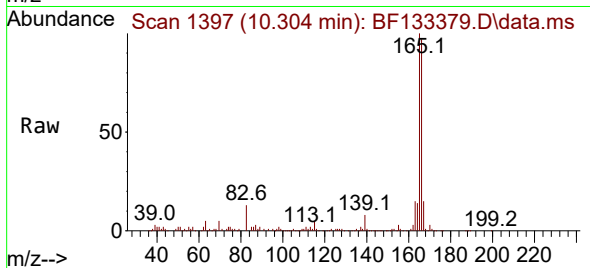
Tgt Ion: 172 Resp: 305965
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 23.4 19.4 29.2





#58
Fluorene
Concen: 2.593 ng m
RT: 10.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

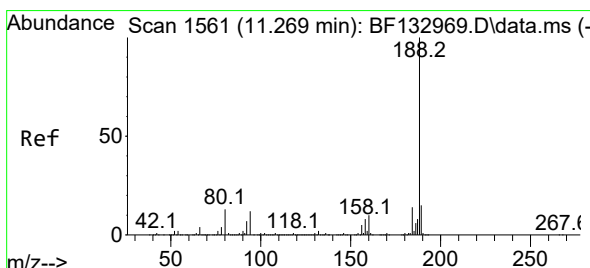
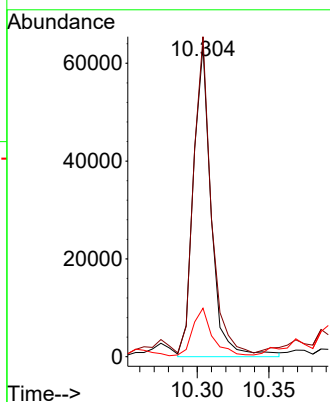
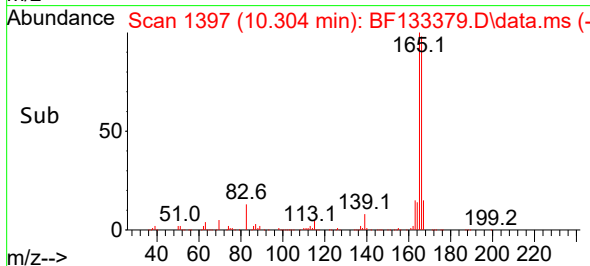
Instrument :
BNA_F
ClientSampleId :
PAT-1-051123



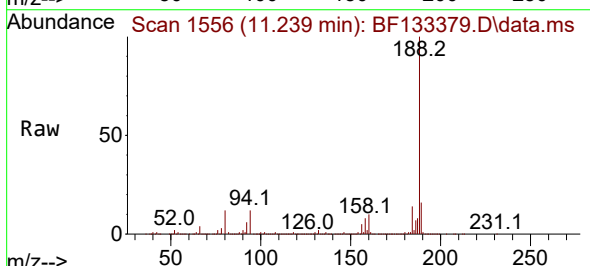
Tgt Ion:166 Resp: 54999
Ion Ratio Lower Upper
166 100
165 103.0 78.6 117.8
167 15.6 11.0 16.4

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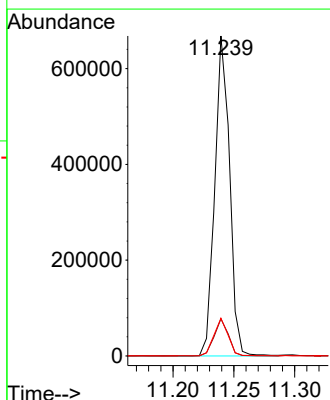
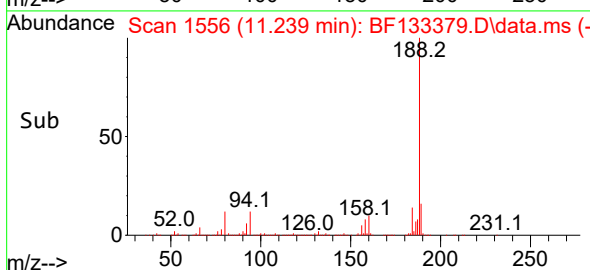
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

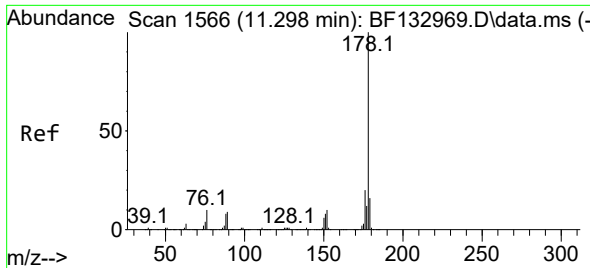


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28



Tgt Ion:188 Resp: 565264
Ion Ratio Lower Upper
188 100
94 11.6 9.7 14.5
80 11.8 10.4 15.6





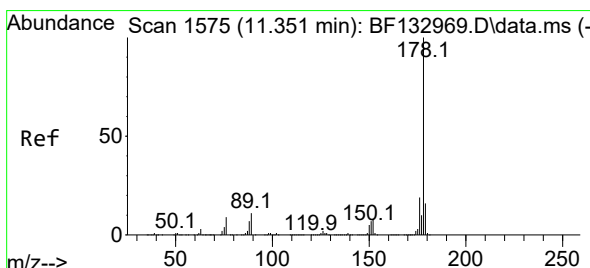
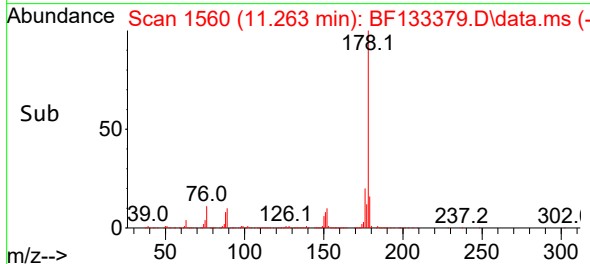
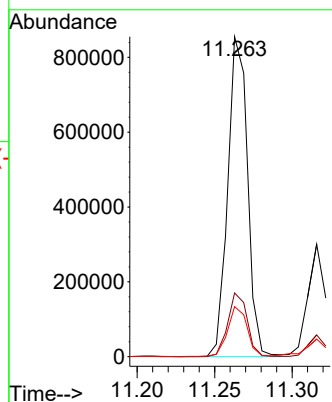
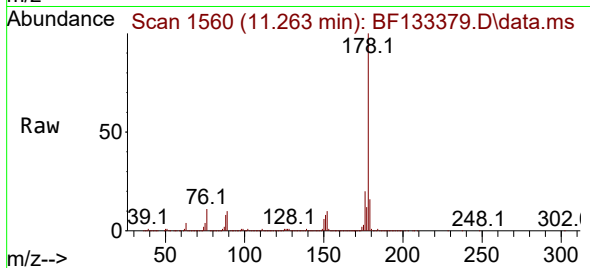
#71
Phenanthrene
Concen: 25.004 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Tgt Ion:178 Resp: 759640
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.7 12.5 18.7

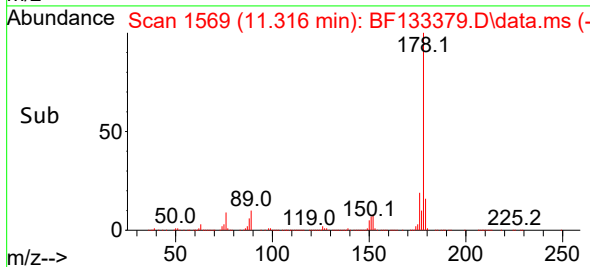
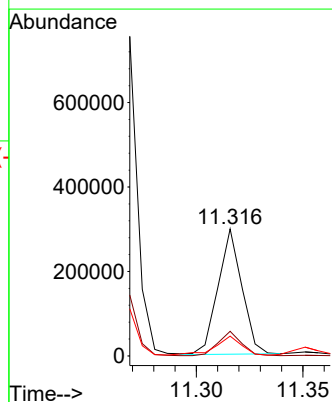
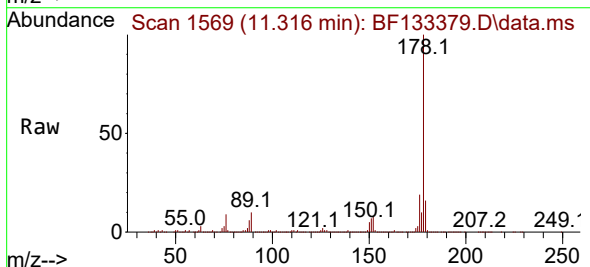
Manual Integrations
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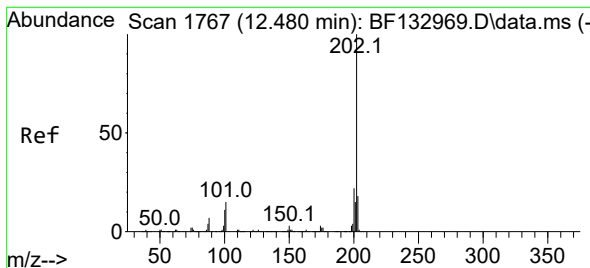
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#72
Anthracene
Concen: 7.443 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Tgt Ion:178 Resp: 231415
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.6 12.4 18.6





#75

Fluoranthene

Concen: 45.872 ng

RT: 12.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

Instrument :

BNA_F

ClientSampleId :

PAT-1-051123

Tgt Ion:202 Resp: 1398670

Ion Ratio Lower Upper

202 100

101 13.8 0.0 35.3

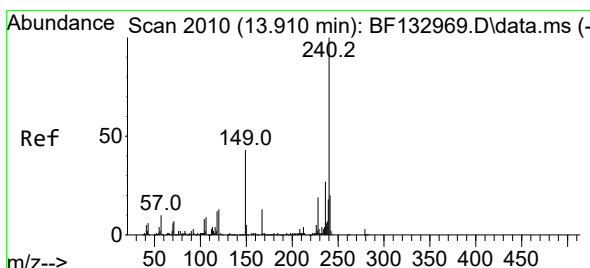
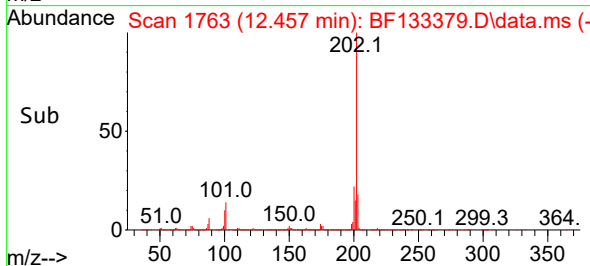
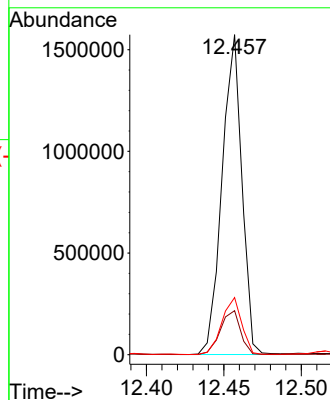
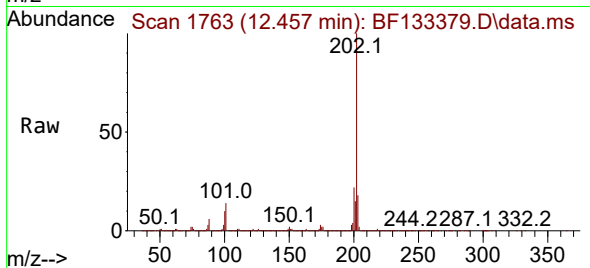
203 17.9 0.0 38.1

Manual Integrations

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Supervised By :Yogesh Patel 05/16/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

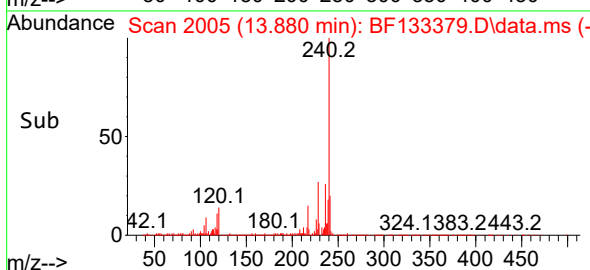
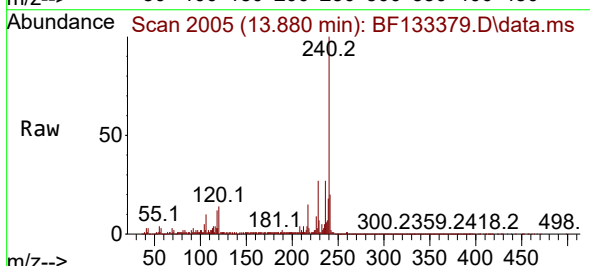
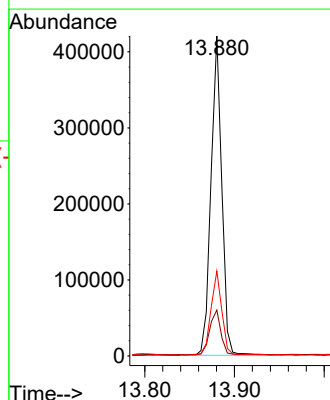
Tgt Ion:240 Resp: 350667

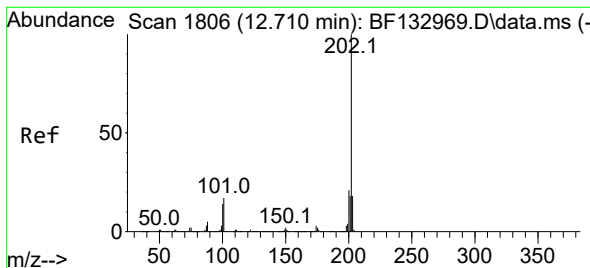
Ion Ratio Lower Upper

240 100

120 14.3 10.5 15.7

236 26.6 21.5 32.3





#78

Pyrene

Concen: 40.310 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

Instrument :

BNA_F

ClientSampleId :

PAT-1-051123

Tgt Ion:202 Resp: 121174

Ion Ratio Lower Upper

202 100

200 22.0 17.1 25.7

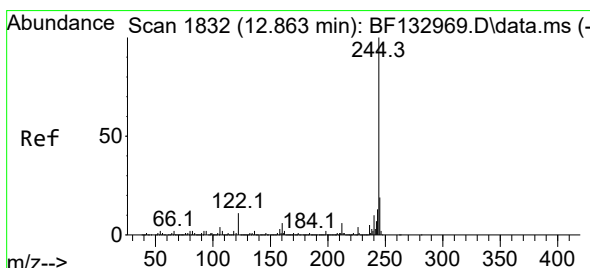
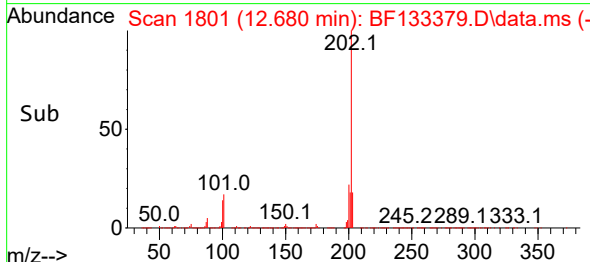
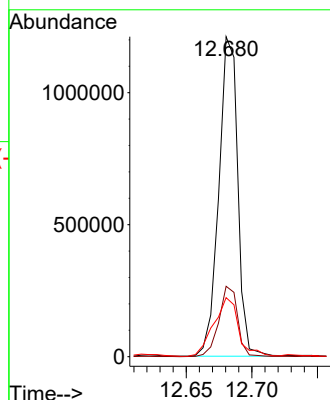
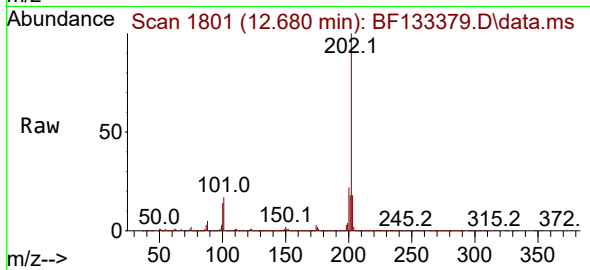
203 18.4 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/15/2023

Supervised By :Yogesh Patel 05/16/2023



#79

Terphenyl-d14

Concen: 14.632 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

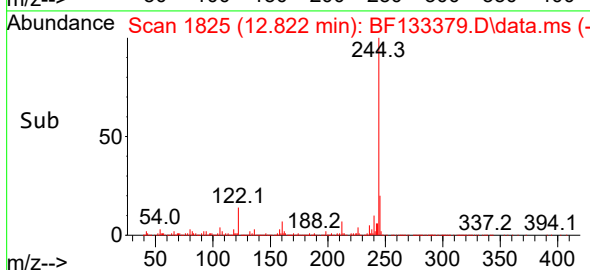
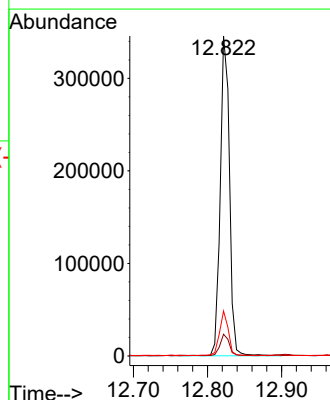
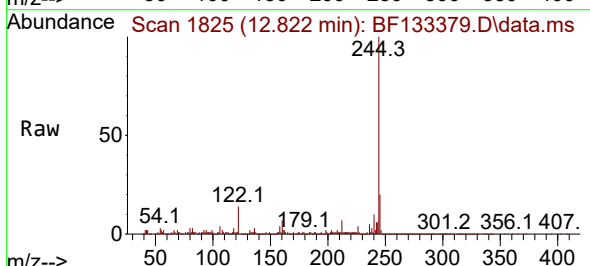
Tgt Ion:244 Resp: 297508

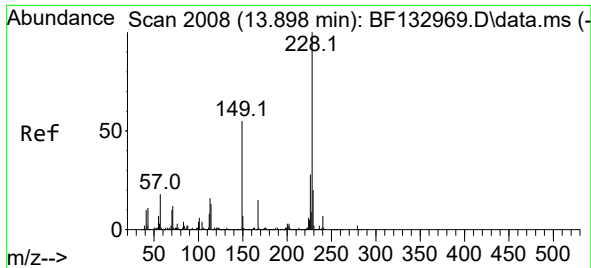
Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 14.1 8.6 13.0#





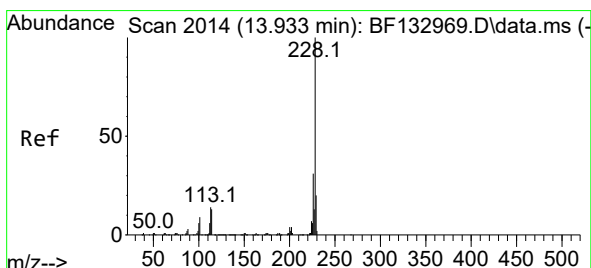
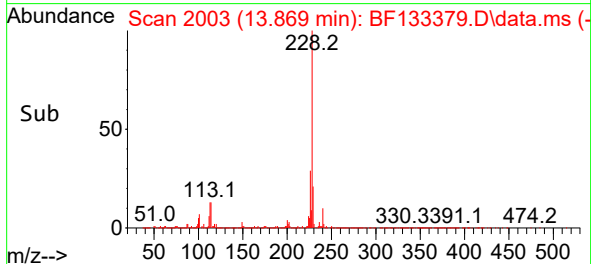
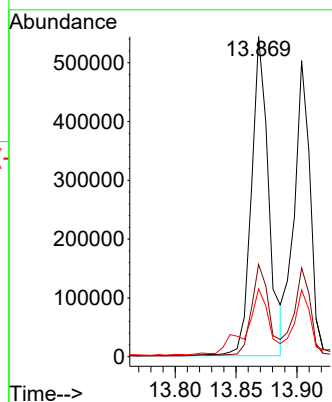
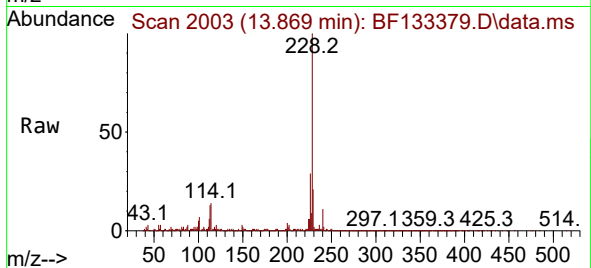
#81
Benzo(a)anthracene
Concen: 22.225 ng
RT: 13.869 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123

Tgt Ion:228 Resp: 535945
Ion Ratio Lower Upper
228 100
226 28.9 22.2 33.4
229 21.2 16.0 24.0

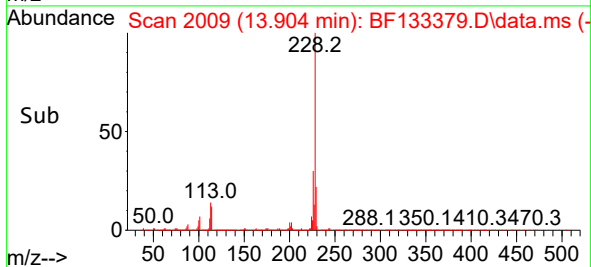
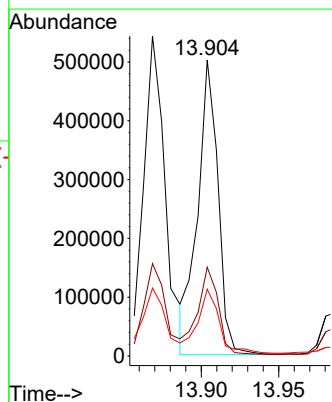
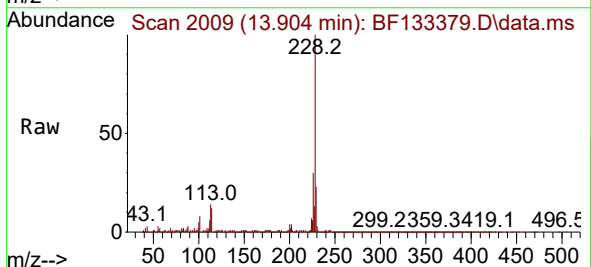
Manual Integrations
APPROVED

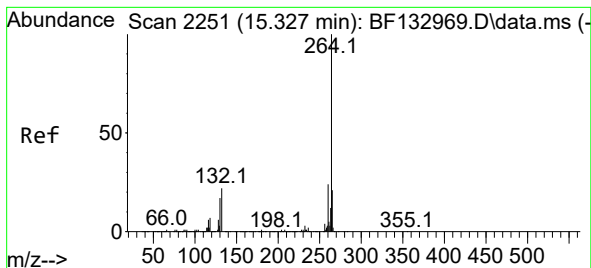
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#83
Chrysene
Concen: 19.017 ng
RT: 13.904 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Tgt Ion:228 Resp: 458467
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 22.6 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

Instrument :

BNA_F

ClientSampleId :

PAT-1-051123

Tgt Ion:264 Resp: 291060

Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

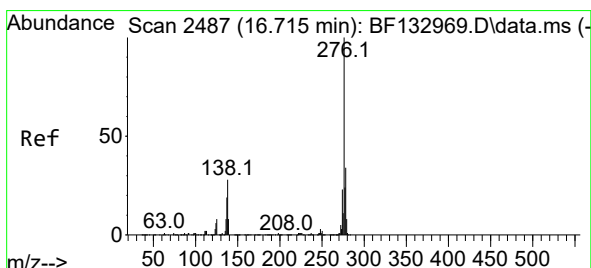
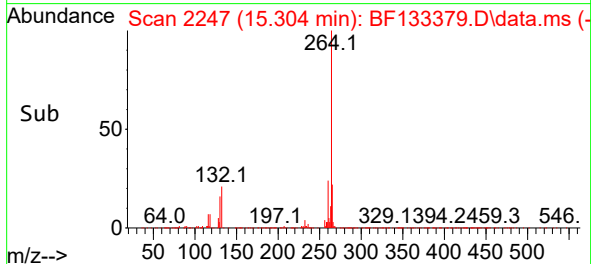
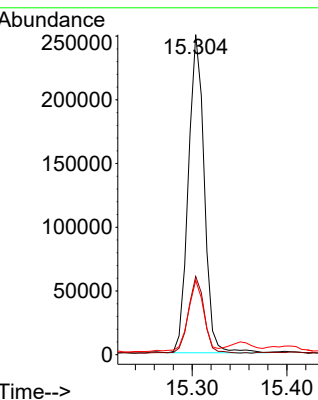
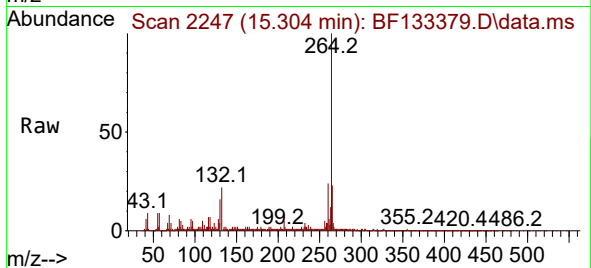
265 23.2 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/15/2023

Supervised By :Yogesh Patel 05/16/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.943 ng

RT: 16.692 min Scan# 2483

Delta R.T. 0.012 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

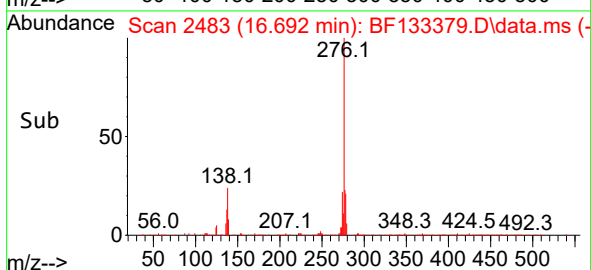
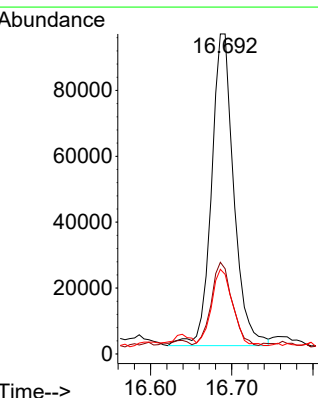
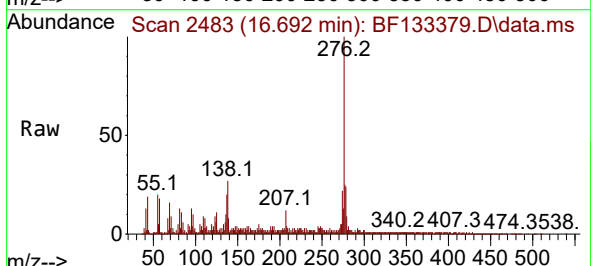
Tgt Ion:276 Resp: 181179

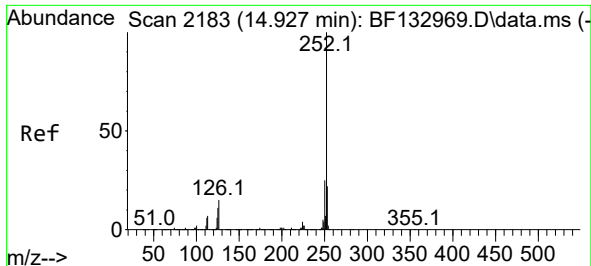
Ion Ratio Lower Upper

276 100

138 25.9 25.5 38.3

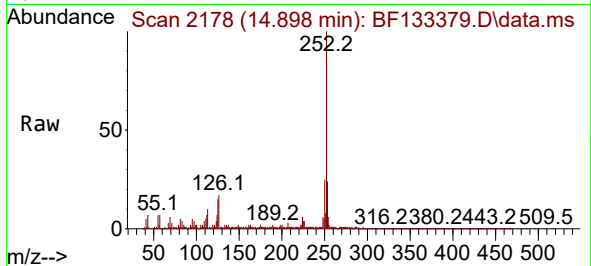
277 23.3 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 26.075 ng m
RT: 14.898 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

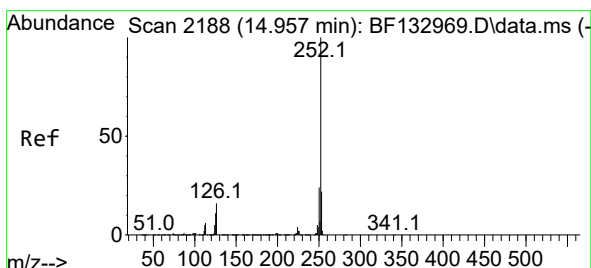
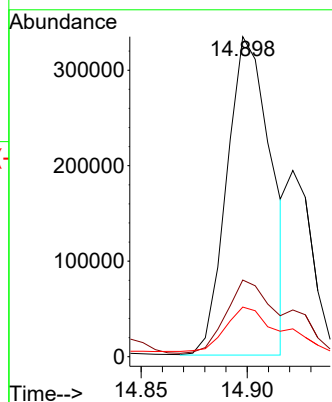
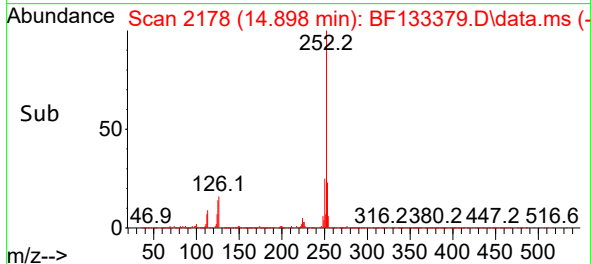
Instrument :
BNA_F
ClientSampleId :
PAT-1-051123



Tgt Ion:252 Resp: 482835
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 15.5 8.9 13.3

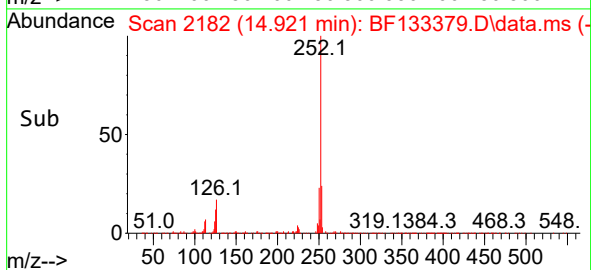
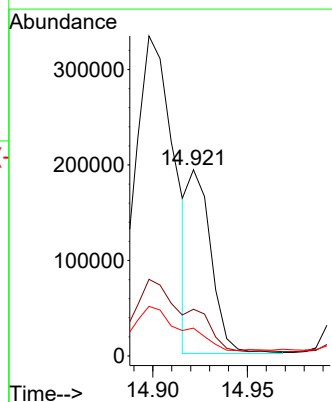
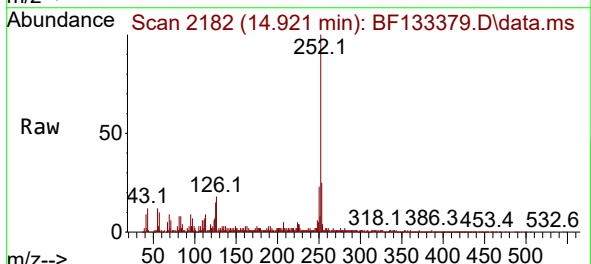
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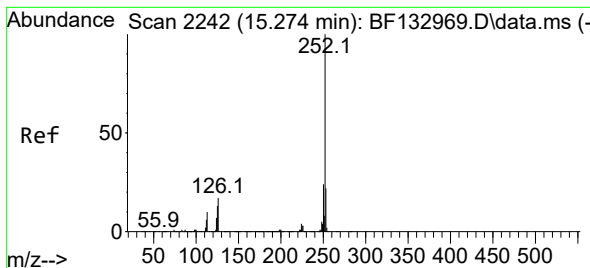
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#89
Benzo(k)fluoranthene
Concen: 8.654 ng m
RT: 14.921 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Tgt Ion:252 Resp: 158851
Ion Ratio Lower Upper
252 100
253 25.1 17.7 26.5
125 15.0 9.0 13.4





#90

Benzo(a)pyrene

Concen: 19.897 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

Instrument :

BNF

ClientSampleId :

PAT-1-051123

Tgt Ion:252 Resp: 33534

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

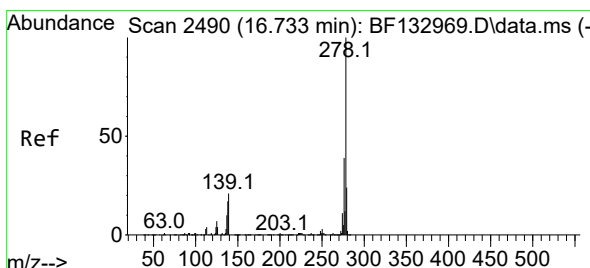
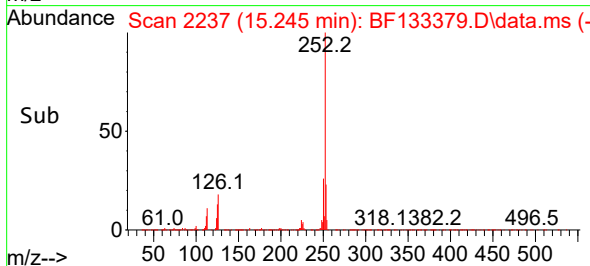
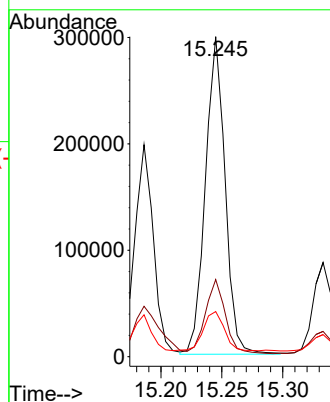
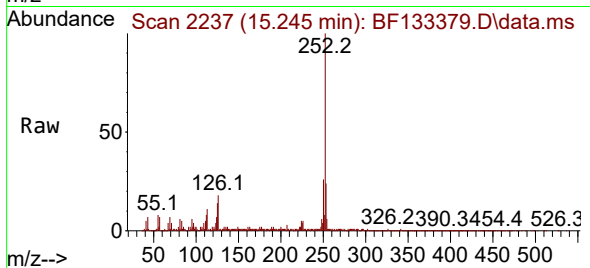
125 14.1 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/15/2023

Supervised By :Yogesh Patel 05/16/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.335 ng

RT: 16.692 min Scan# 2483

Delta R.T. 0.000 min

Lab File: BF133379.D

Acq: 12 May 2023 20:28

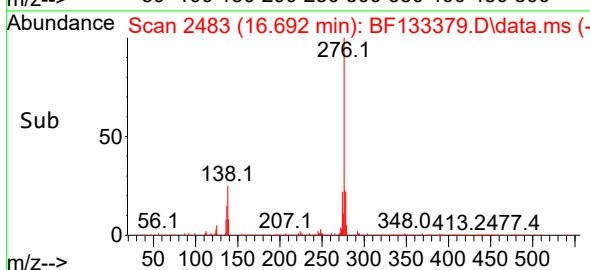
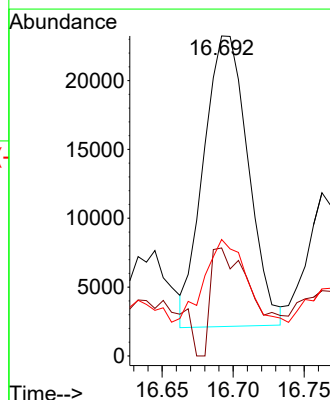
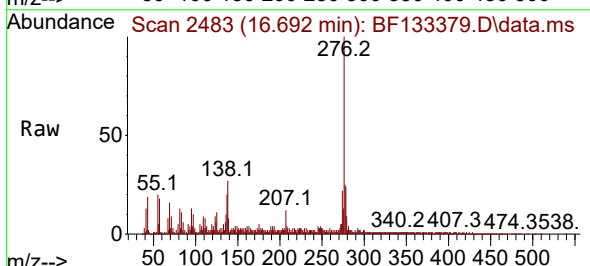
Tgt Ion:278 Resp: 46050

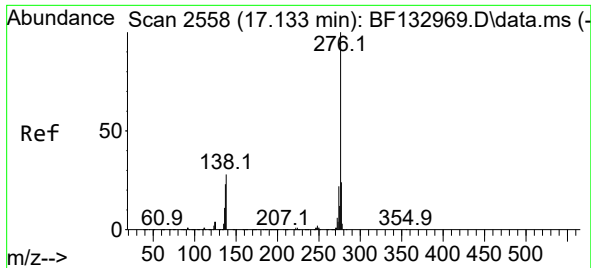
Ion Ratio Lower Upper

278 100

139 33.8 16.6 24.8#

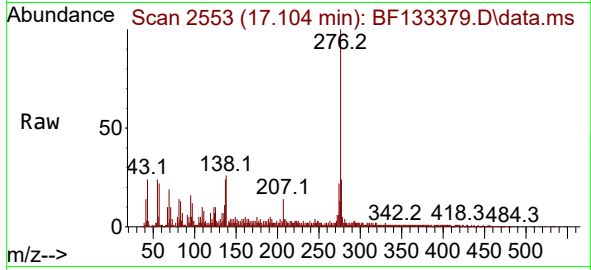
279 36.4 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 11.924 ng
RT: 17.104 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF133379.D
Acq: 12 May 2023 20:28

Instrument :
BNA_F
ClientSampleId :
PAT-1-051123



Tgt Ion: 276 Resp: 16255
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.0
138 26.1 22.7 34.1

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/15/2023
Supervised By : Yogesh Patel 05/16/2023

