

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133378.D
 Acq On : 12 May 2023 19:56
 Operator : CG\JU
 Sample : 02760-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-4-051123

Manual Integrations
 APPROVED

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

Quant Time: May 12 23:36:57 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	213649	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	813488	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	367675	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	594040	20.000	ng	0.00
76) Chrysene-d12	13.880	240	375700	20.000	ng	0.00
86) Perylene-d12	15.304	264	306945	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	726132	51.341	ng	0.00
7) Phenol-d6	6.363	99	892281	50.829	ng	0.00
23) Nitrobenzene-d5	7.281	82	498676	33.088	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	167693	45.351	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	926586	42.162	ng	0.00
79) Terphenyl-d14	12.833	244	866868	39.794	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	73336	2.297	ng	97
75) Fluoranthene	12.451	202	123402	3.851	ng	99
78) Pyrene	12.686	202	132033	4.100	ng	99
83) Chrysene	13.904	228	56437m	2.185	ng	
88) Benzo(b)fluoranthene	14.898	252	53892m	2.760	ng	
90) Benzo(a)pyrene	15.239	252	37454	2.107	ng	# 76

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

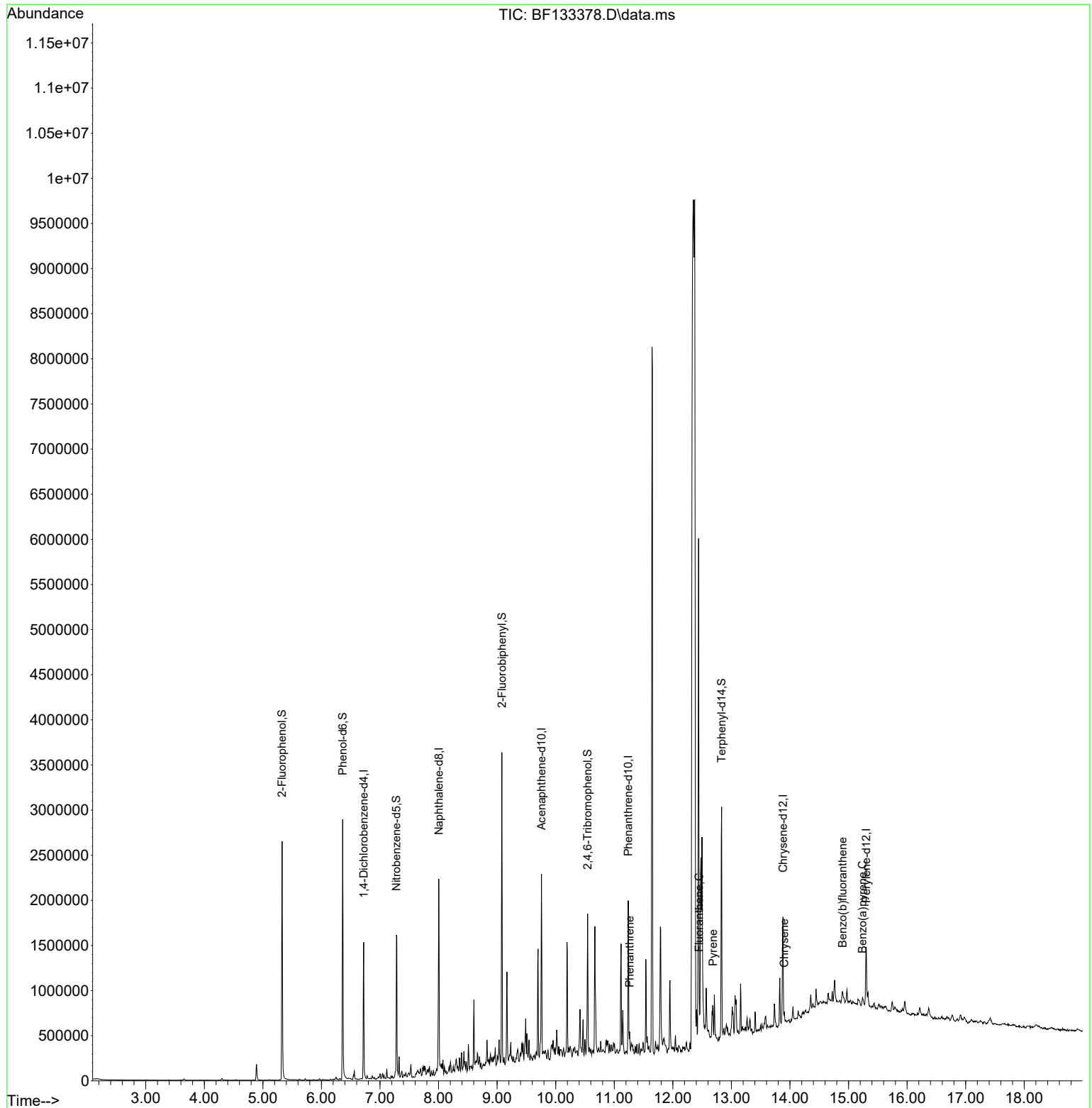
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133378.D
Acq On : 12 May 2023 19:56
Operator : CG\JU
Sample : 02760-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

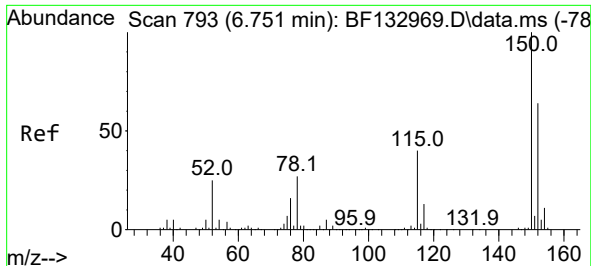
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

Quant Time: May 12 23:36:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
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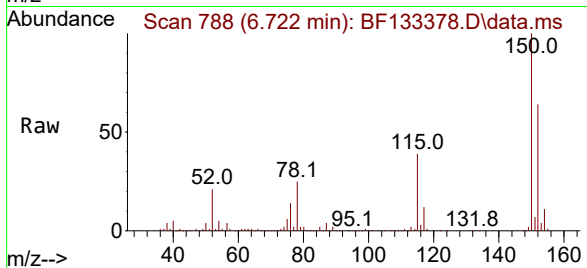
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 793
Delta R.T. -0.000 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Instrument :

BNA_F

ClientSampleId :

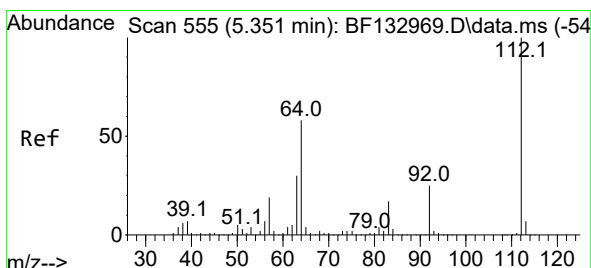
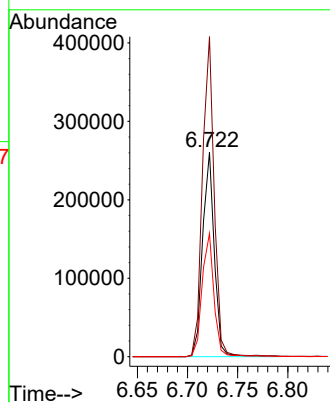
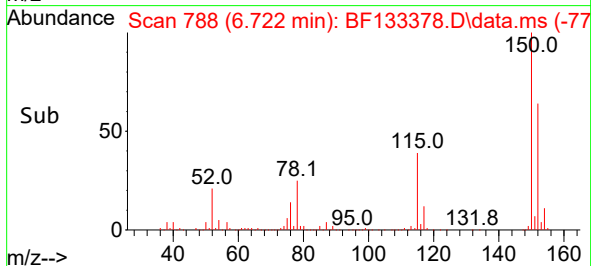
HR-4-051123



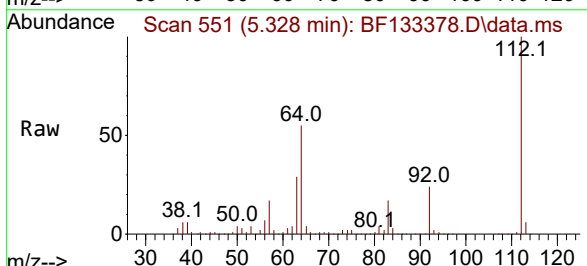
Tgt Ion:152 Resp: 213649
Ion Ratio Lower Upper
152 100
150 156.4 124.8 187.2
115 60.2 49.9 74.9

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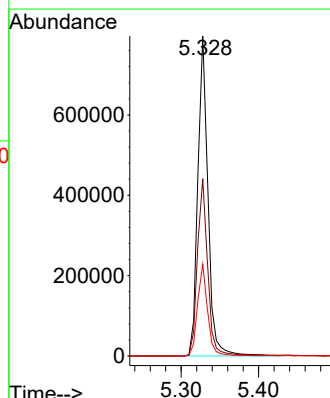
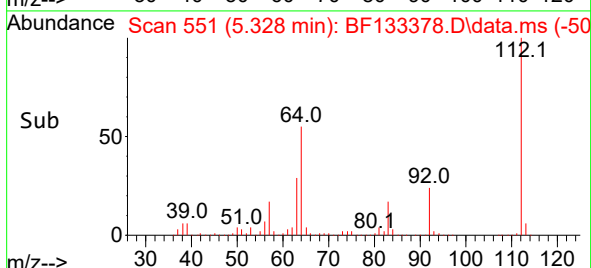
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

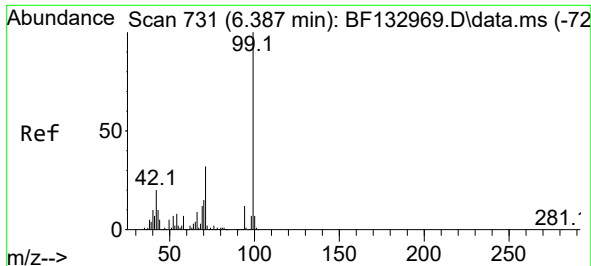


#5
2-Fluorophenol
Concen: 51.341 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.000 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56



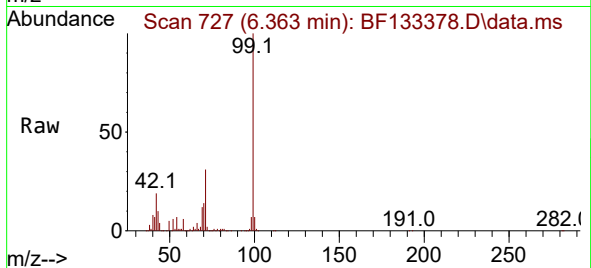
Tgt Ion:112 Resp: 726132
Ion Ratio Lower Upper
112 100
64 55.4 46.8 70.2
63 28.7 23.8 35.8





#7
Phenol-d6
Concen: 50.829 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

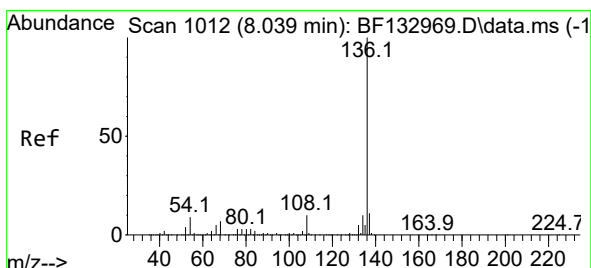
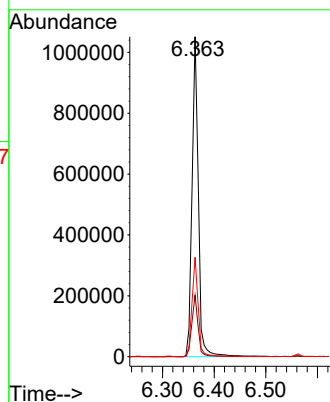
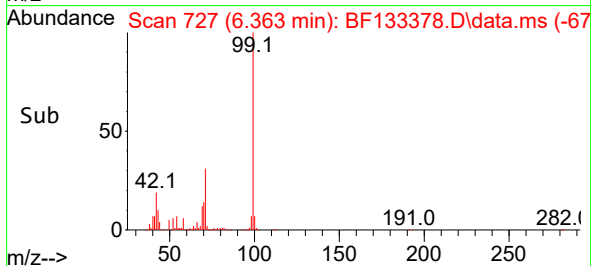
Instrument :
BNA_F
ClientSampleId :
HR-4-051123



Tgt Ion: 99 Resp: 89228
Ion Ratio Lower Upper
99 100
42 19.2 16.3 24.5
71 31.1 25.6 38.4

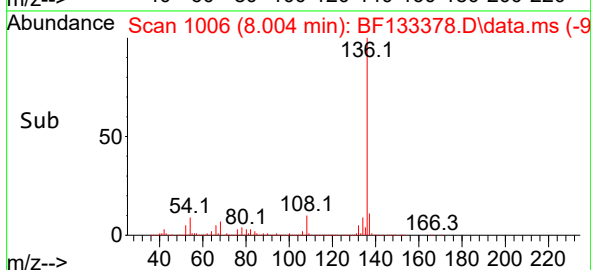
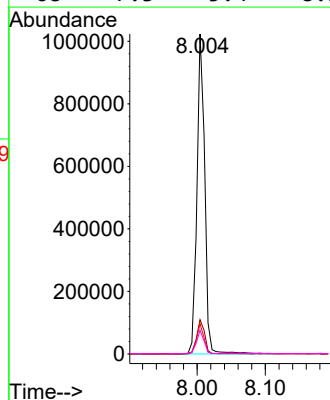
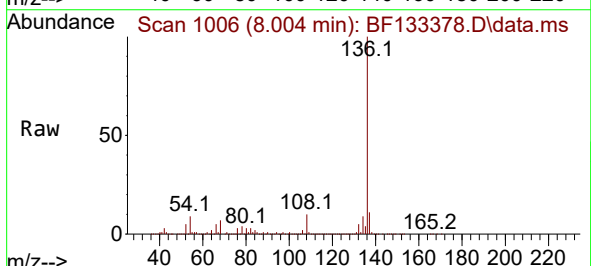
Manual Integrations
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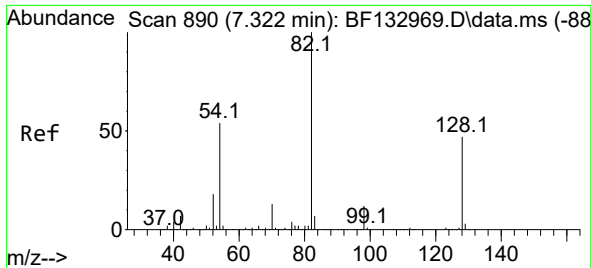
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion:136 Resp: 813488
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.4 7.0 10.4
68 7.3 5.4 8.2





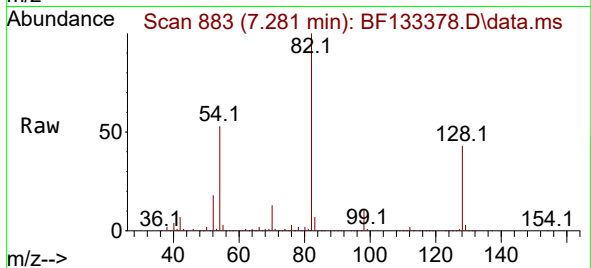
#23
Nitrobenzene-d5
Concen: 33.088 ng
RT: 7.281 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Instrument :

BNA_F

ClientSampleId :

HR-4-051123

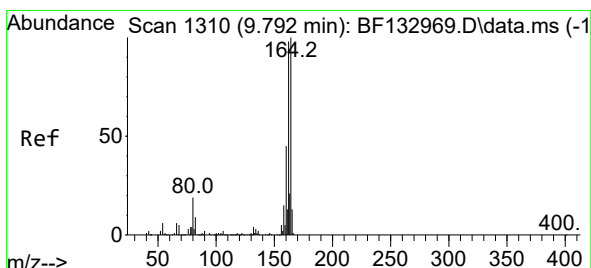
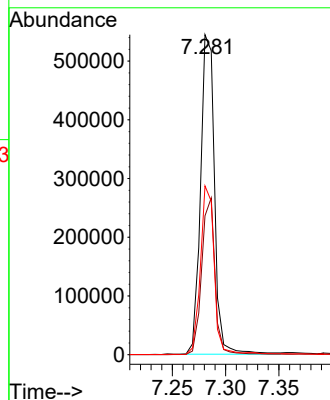
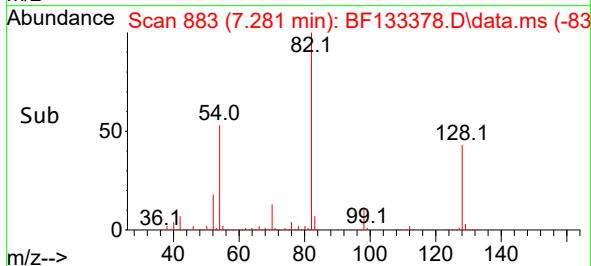


Tgt Ion: 82 Resp: 498670
Ion Ratio Lower Upper
82 100
128 43.4 37.7 56.5
54 52.7 43.0 64.4

Manual Integrations

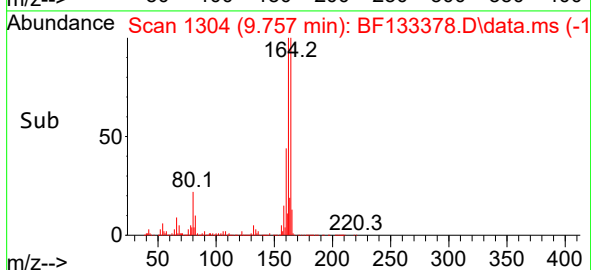
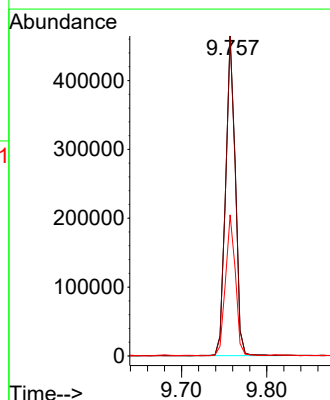
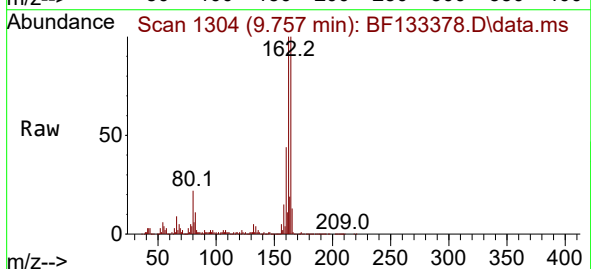
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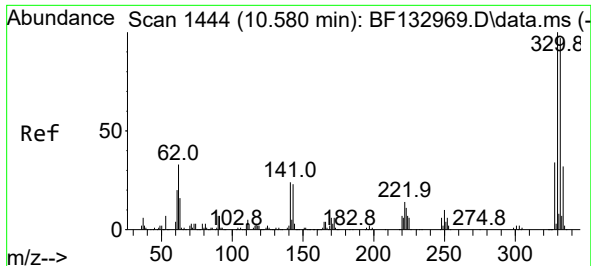
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion:164 Resp: 367675
Ion Ratio Lower Upper
164 100
162 99.9 78.7 118.1
160 44.1 35.8 53.6





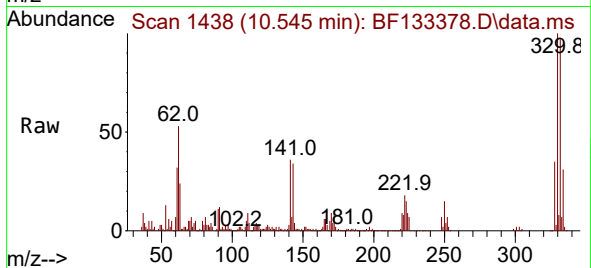
#42
2,4,6-Tribromophenol
Concen: 45.351 ng
RT: 10.545 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Instrument :

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ClientSampleId :

HR-4-051123

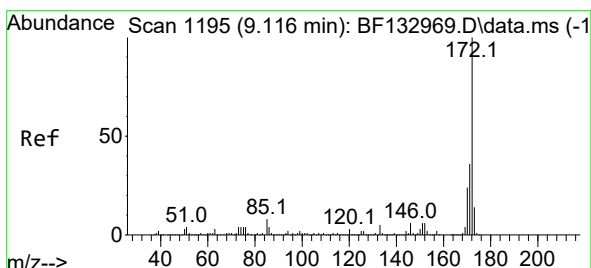
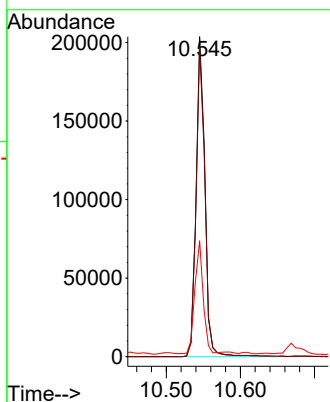
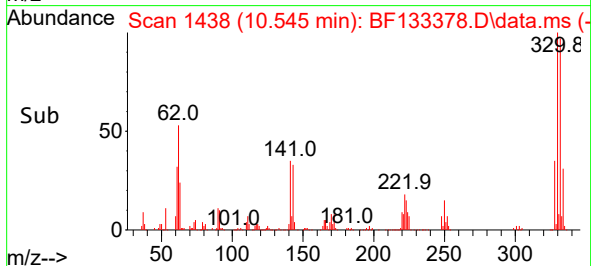


Tgt Ion:330 Resp: 167693
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 33.7 25.8 38.8

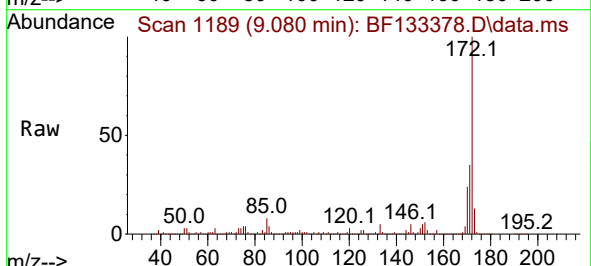
Manual Integrations

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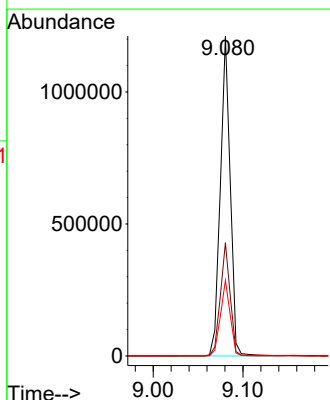
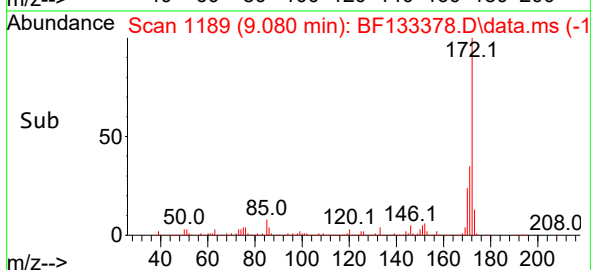
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

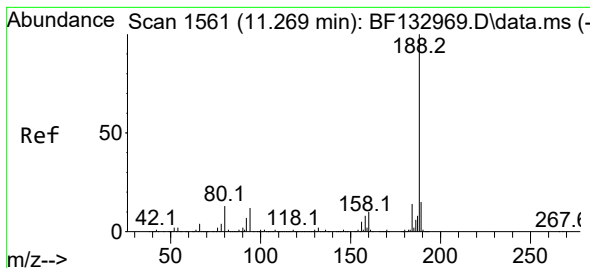


#45
2-Fluorobiphenyl
Concen: 42.162 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56



Tgt Ion:172 Resp: 926586
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.6 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Instrument :

BNA_F

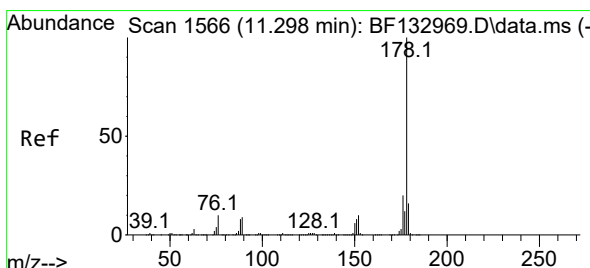
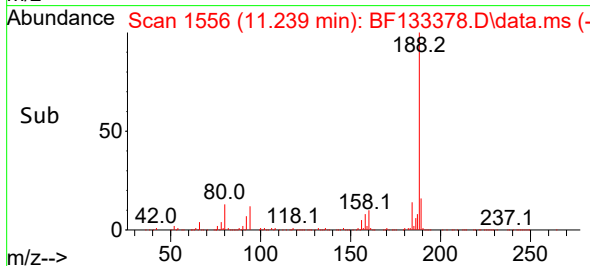
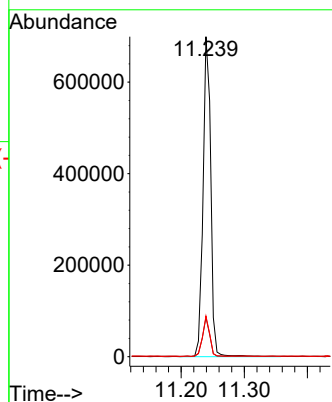
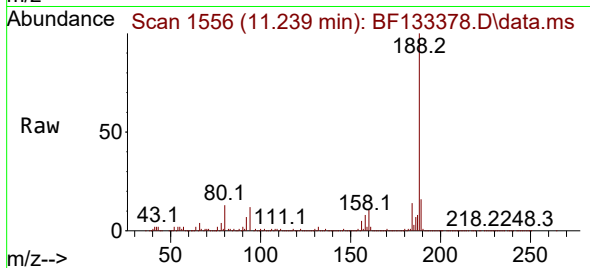
ClientSampleId :

HR-4-051123

Tgt Ion:188 Resp: 594040
Ion Ratio Lower Upper
188 100
94 12.3 9.7 14.5
80 12.7 10.4 15.6

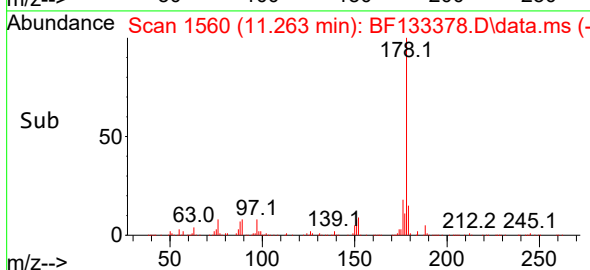
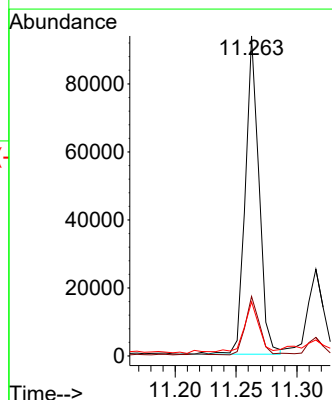
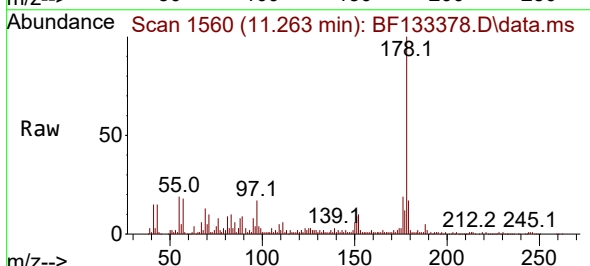
Manual Integrations
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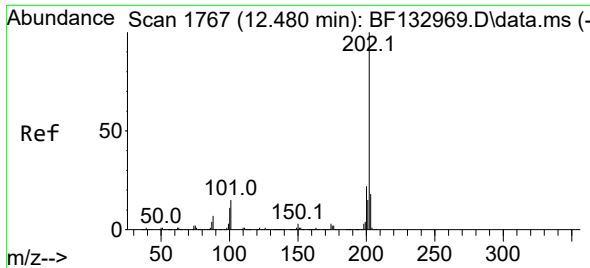
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#71
Phenanthrene
Concen: 2.297 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion:178 Resp: 73336
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 16.9 12.5 18.7





#75
Fluoranthene
Concen: 3.851 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Instrument :

BNA_F

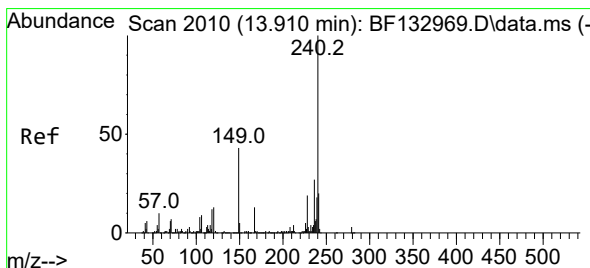
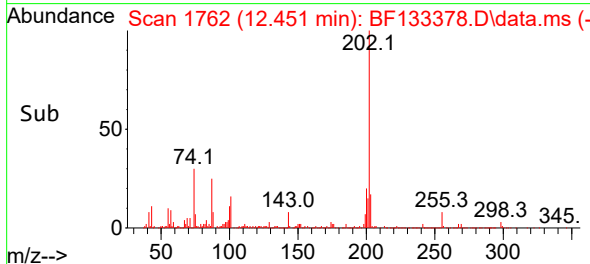
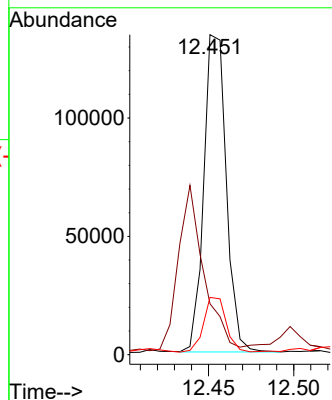
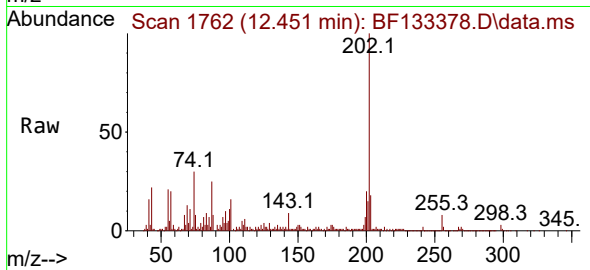
ClientSampleId :

HR-4-051123

Tgt Ion:202 Resp: 12340
Ion Ratio Lower Upper
202 100
101 15.9 0.0 35.3
203 17.9 0.0 38.1

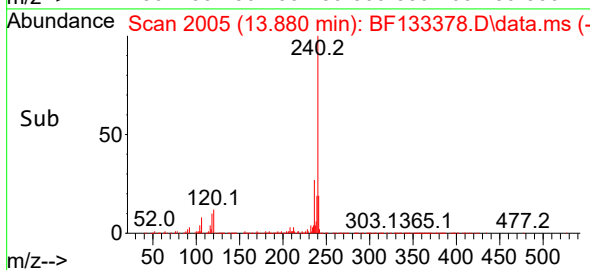
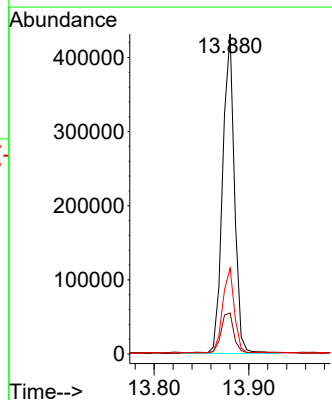
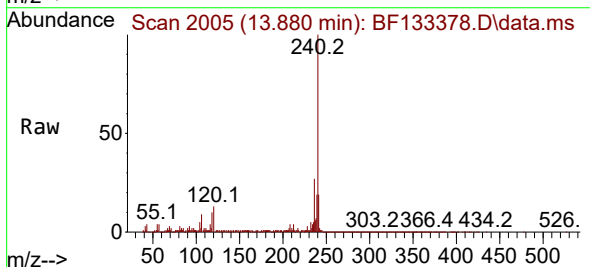
Manual Integrations
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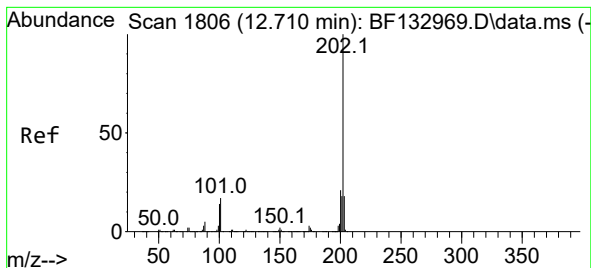
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Tgt Ion:240 Resp: 375700
Ion Ratio Lower Upper
240 100
120 12.8 10.5 15.7
236 26.8 21.5 32.3





#78

Pyrene

Concen: 4.100 ng

RT: 12.686 min Scan# 1802

Delta R.T. 0.006 min

Lab File: BF133378.D

Acq: 12 May 2023 19:56

Instrument :

BNA_F

ClientSampleId :

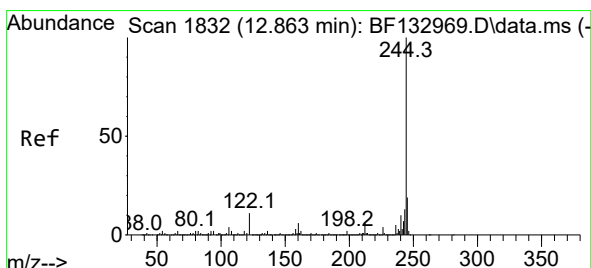
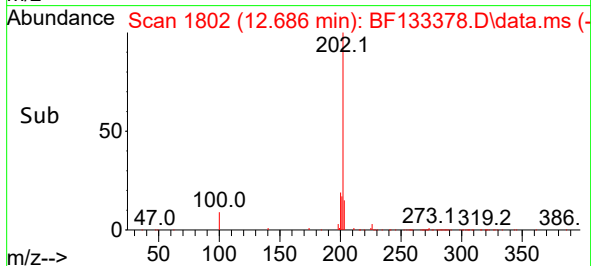
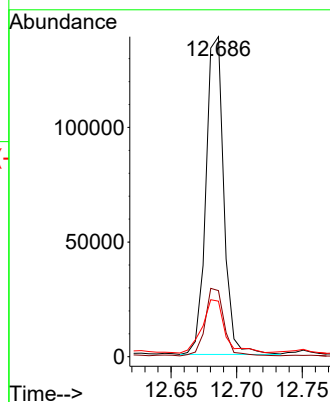
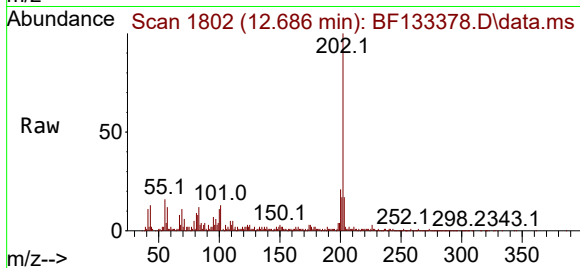
HR-4-051123

Tgt Ion:202 Resp: 132033
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.1 25.7
 203 17.4 14.1 21.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/15/2023
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#79

Terphenyl-d14

Concen: 39.794 ng

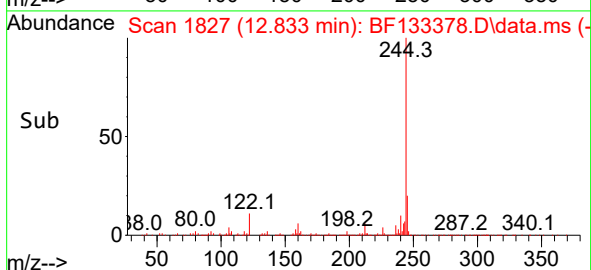
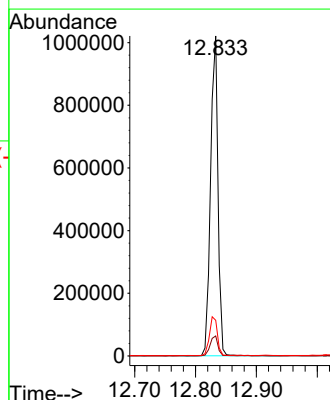
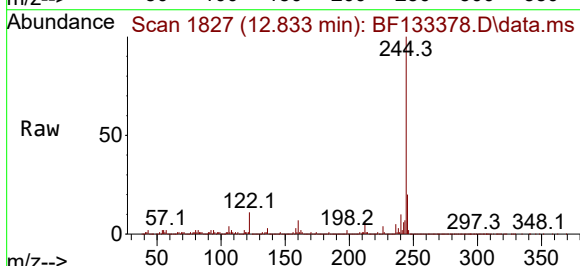
RT: 12.833 min Scan# 1827

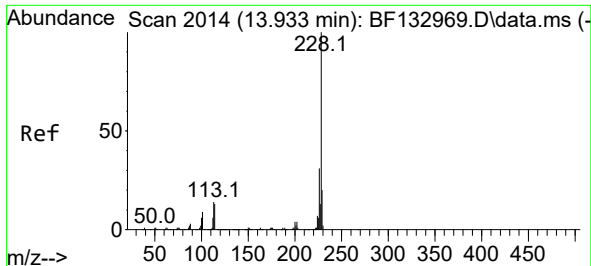
Delta R.T. 0.006 min

Lab File: BF133378.D

Acq: 12 May 2023 19:56

Tgt Ion:244 Resp: 866868
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 11.2 8.6 13.0





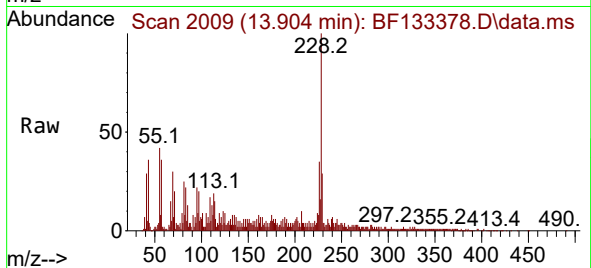
#83
Chrysene
Concen: 2.185 ng m
RT: 13.904 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56

Instrument :

BNA_F

ClientSampleId :

HR-4-051123

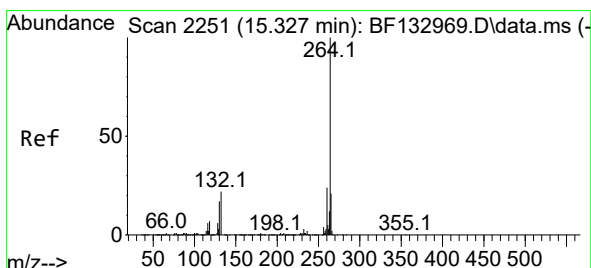
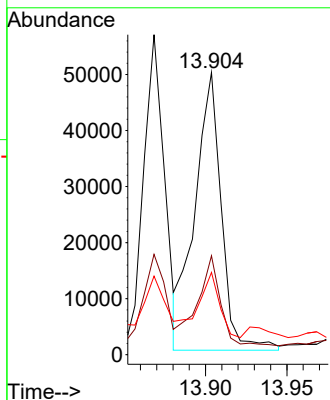
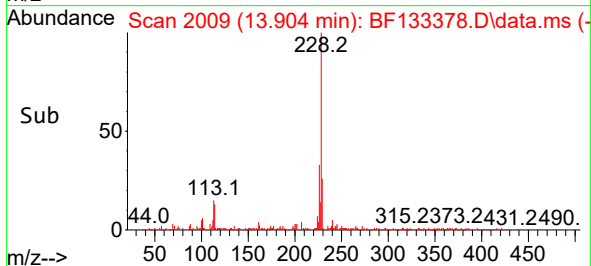


Tgt Ion:228 Resp: 5643
Ion Ratio Lower Upper
228 100
226 35.1 24.7 37.1
229 29.2 16.1 24.1

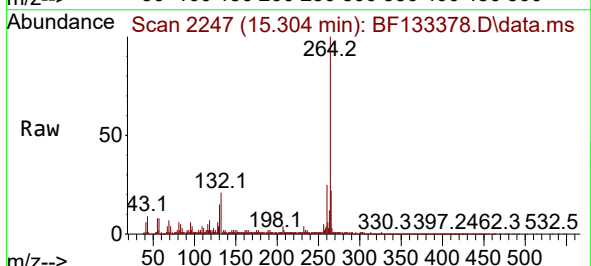
Manual Integrations

APPROVED

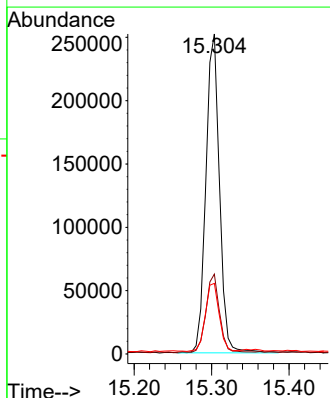
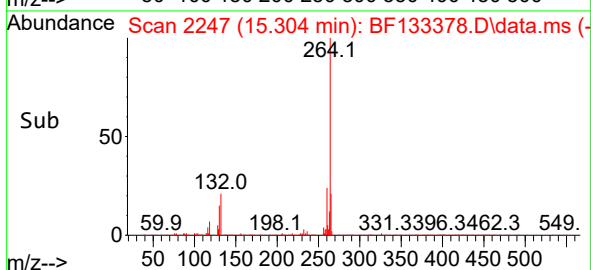
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

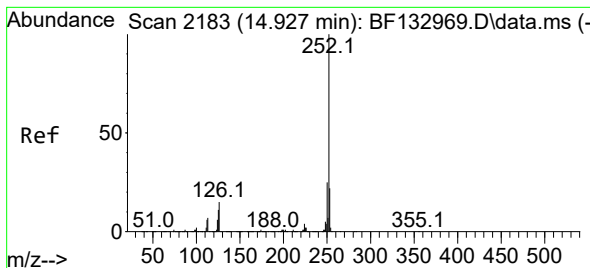


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 2247
Delta R.T. 0.012 min
Lab File: BF133378.D
Acq: 12 May 2023 19:56



Tgt Ion:264 Resp: 306945
Ion Ratio Lower Upper
264 100
260 24.9 18.8 28.2
265 22.1 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.760 ng m

RT: 14.898 min Scan# 2183

Delta R.T. 0.006 min

Lab File: BF133378.D

Acq: 12 May 2023 19:56

Instrument :

BNF

ClientSampleId :

HR-4-051123

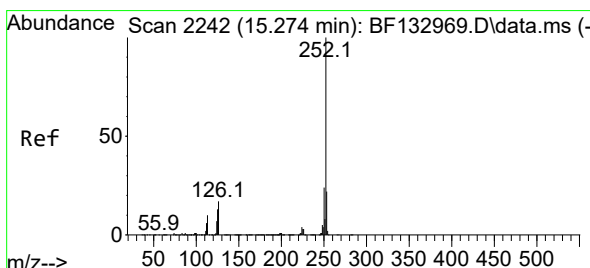
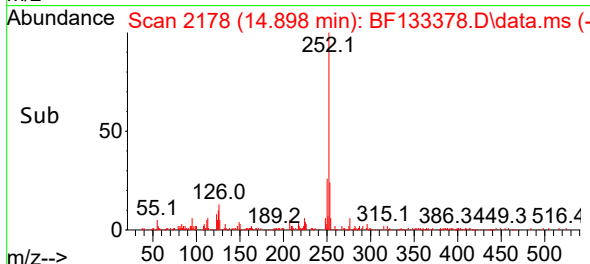
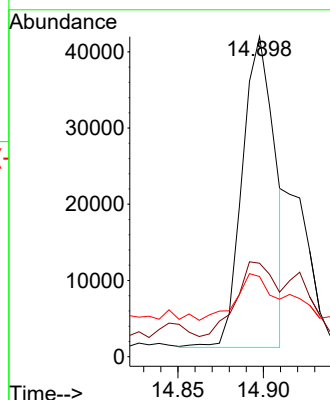
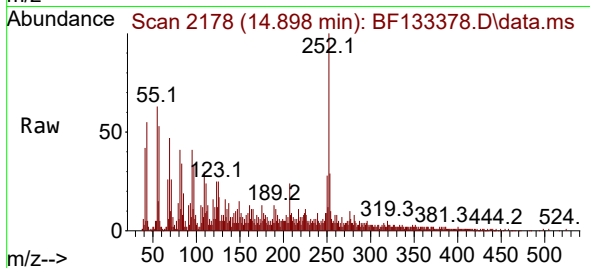
Tgt Ion:	252	Resp:	5389
Ion Ratio	Lower	Upper	
252	100		
253	29.2	17.6	26.4
125	25.1	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/15/2023

Supervised By :Yogesh Patel 05/16/2023



#90

Benzo(a)pyrene

Concen: 2.107 ng

RT: 15.239 min Scan# 2236

Delta R.T. -0.000 min

Lab File: BF133378.D

Acq: 12 May 2023 19:56

Tgt Ion:	252	Resp:	37454
Ion Ratio	Lower	Upper	
252	100		
253	30.3	17.7	26.5
125	27.4	10.5	15.7

