

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133371.D
 Acq On : 12 May 2023 16:07
 Operator : CG\JU
 Sample : 02760-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-2-051123

Manual Integrations
 APPROVED

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

Quant Time: May 12 16:30:12 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	6.716	152	194014	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	731312	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	348212	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	541072	20.000	ng	0.00
76) Chrysene-d12	13.874	240	392994	20.000	ng	0.00
86) Perylene-d12	15.298	264	309503	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1370557	106.713	ng	0.00
7) Phenol-d6	6.363	99	1664054	104.386	ng	0.00
23) Nitrobenzene-d5	7.286	82	989515	73.034	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	327973	93.655	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1639280	78.760	ng	0.00
79) Terphenyl-d14	12.833	244	1505900	66.087	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	158516m	5.451	ng	
75) Fluoranthene	12.451	202	210810m	7.223	ng	
78) Pyrene	12.680	202	246982	7.331	ng	98
81) Benzo(a)anthracene	13.863	228	127305	4.711	ng	# 93
83) Chrysene	13.898	228	124545	4.610	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.674	276	40244	2.286	ng	97
88) Benzo(b)fluoranthene	14.892	252	127943m	6.498	ng	
90) Benzo(a)pyrene	15.233	252	78848	4.399	ng	# 83
92) Benzo(g,h,i)perylene	17.086	276	42970	2.964	ng	95

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

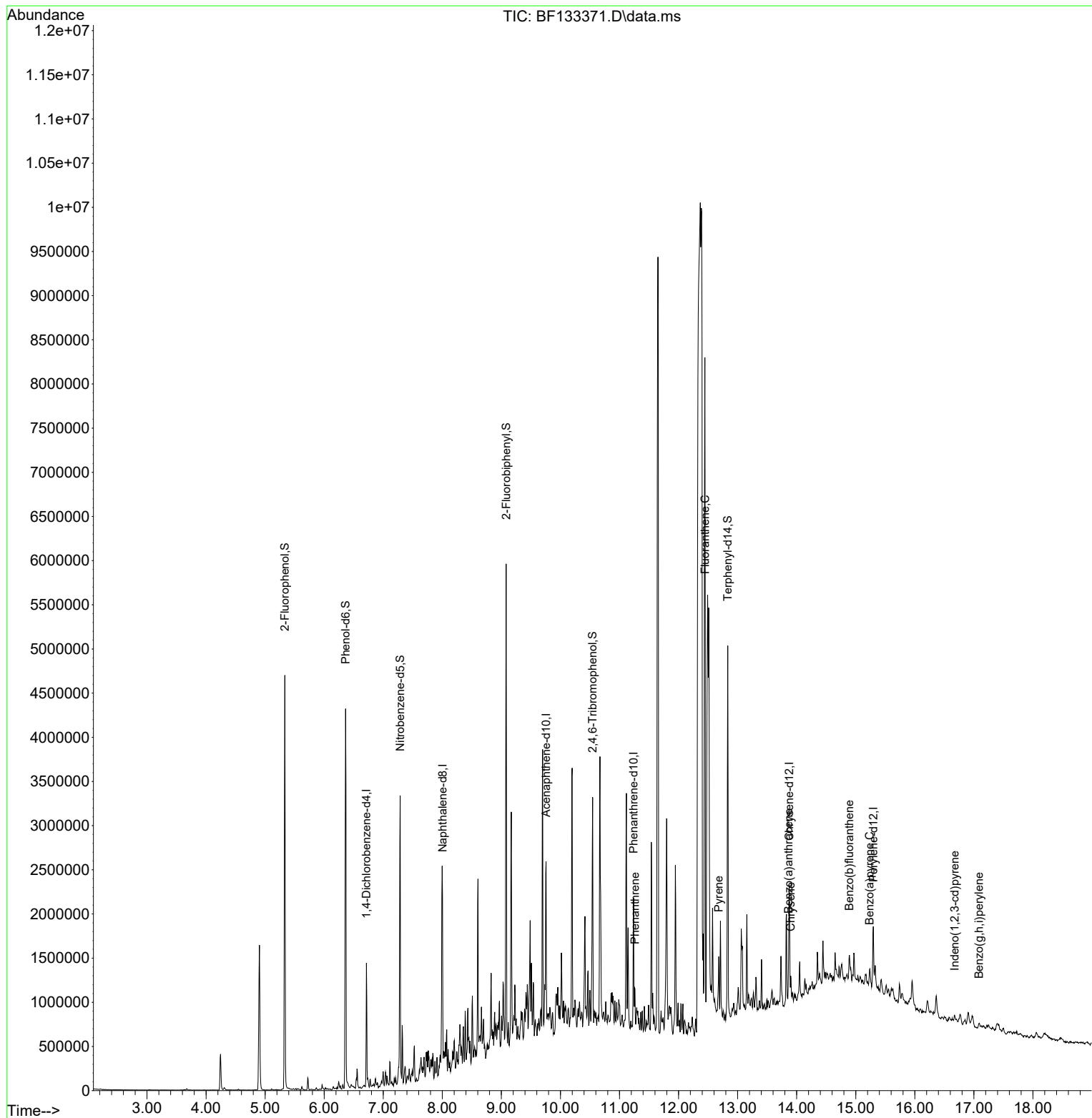
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133371.D
Acq On : 12 May 2023 16:07
Operator : CG\JU
Sample : 02760-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

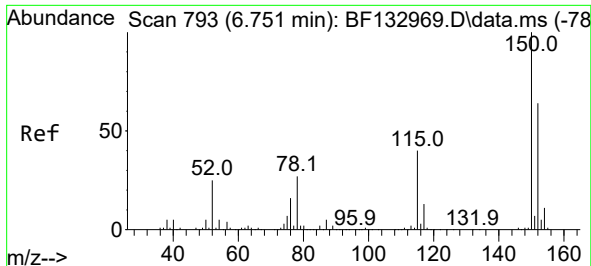
Instrument :
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Quant Time: May 12 16:30:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 11 16:40:17 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Instrument :

BNA_F

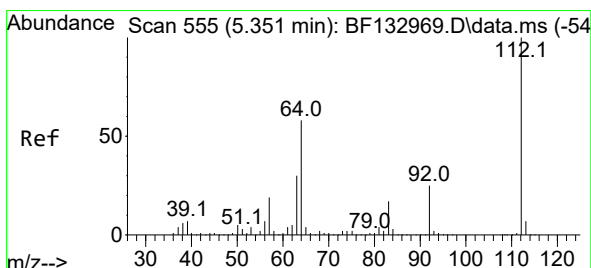
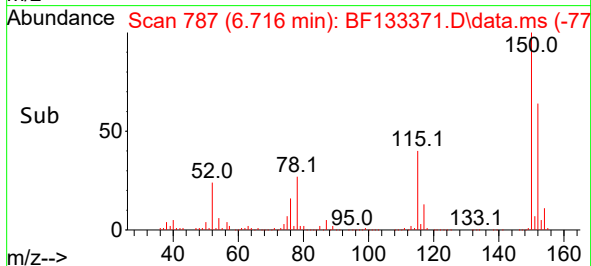
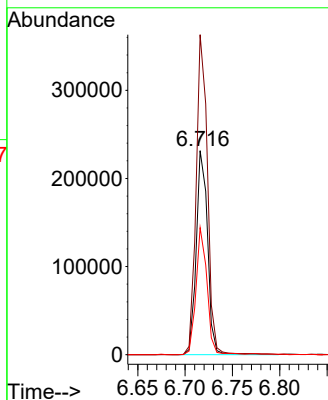
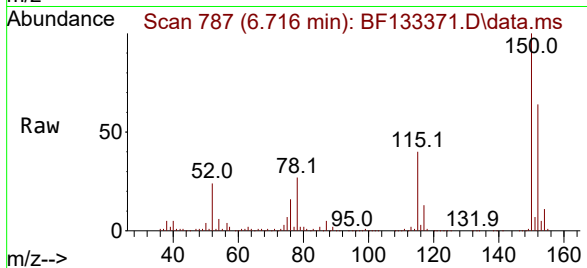
ClientSampleId :

HR-2-051123

Tgt Ion:152 Resp: 194014
Ion Ratio Lower Upper
152 100
150 156.9 124.8 187.2
115 62.3 49.9 74.9

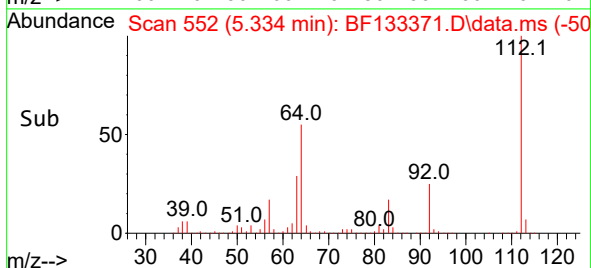
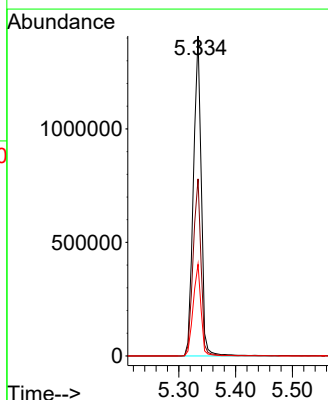
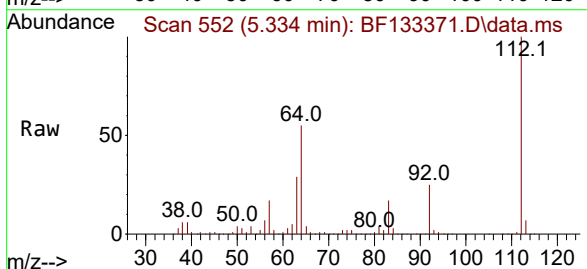
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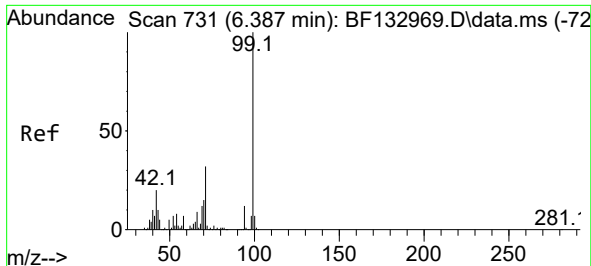
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#5
2-Fluorophenol
Concen: 106.713 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

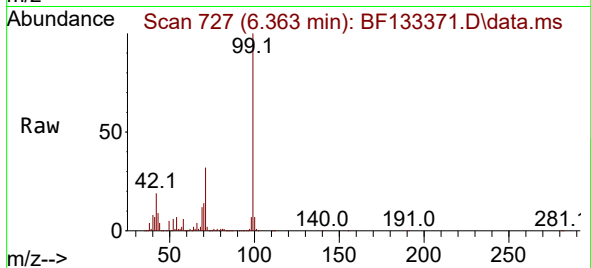
Tgt Ion:112 Resp: 1370557
Ion Ratio Lower Upper
112 100
64 55.3 46.8 70.2
63 28.7 23.8 35.8





#7
Phenol-d6
Concen: 104.386 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

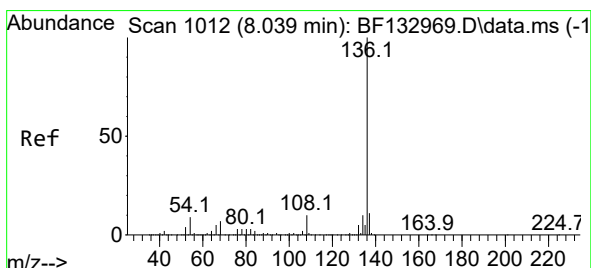
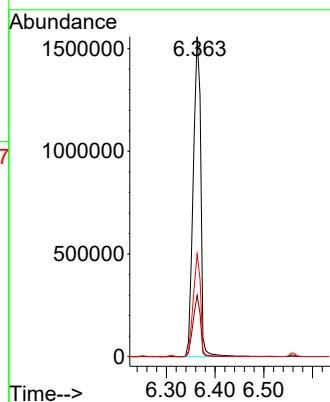
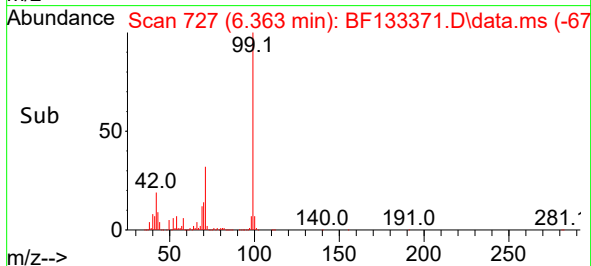
Instrument :
BNA_F
ClientSampleId :
HR-2-051123



Tgt Ion: 99 Resp: 1664054
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 32.0 25.6 38.4

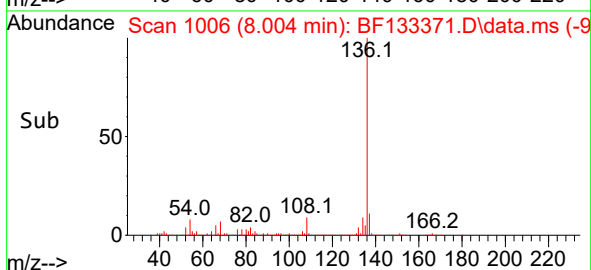
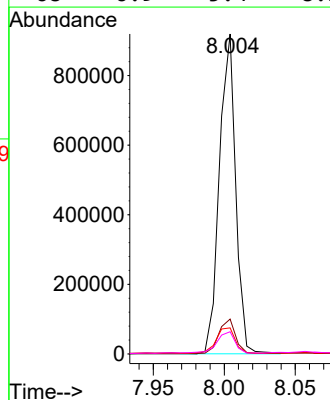
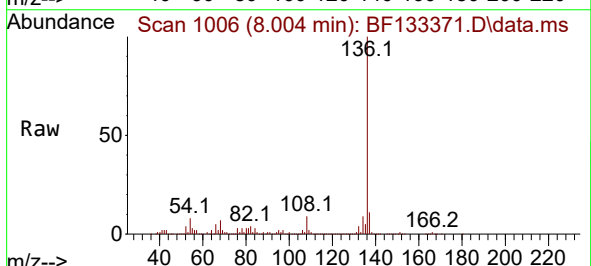
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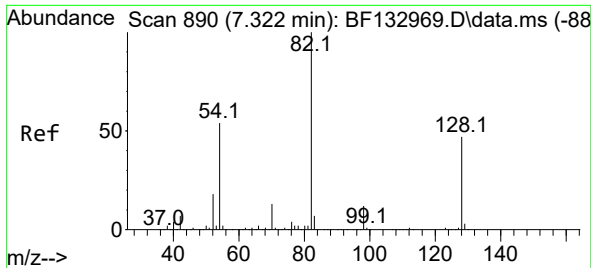
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Tgt Ion:136 Resp: 731312
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 7.0 10.4
68 6.9 5.4 8.2





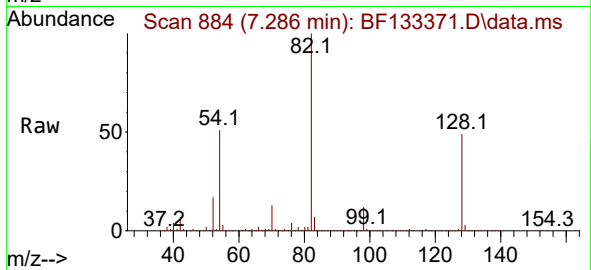
#23
Nitrobenzene-d5
Concen: 73.034 ng
RT: 7.286 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

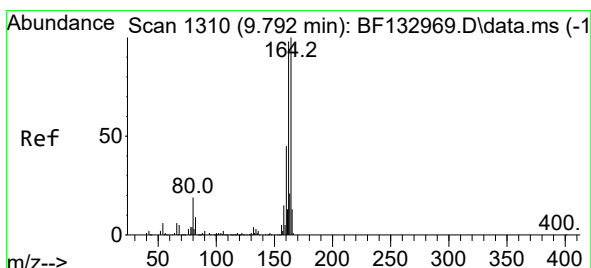
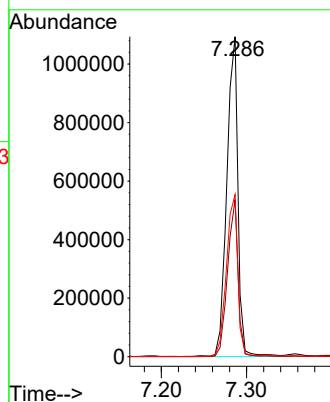
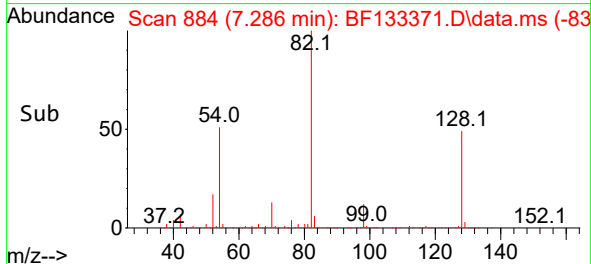
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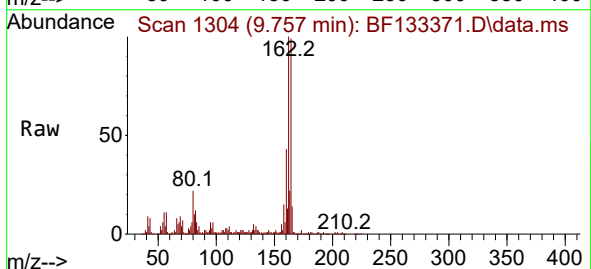
Tgt Ion: 82 Resp: 989515
Ion Ratio Lower Upper
82 100
128 49.1 37.7 56.5
54 50.7 43.0 64.4

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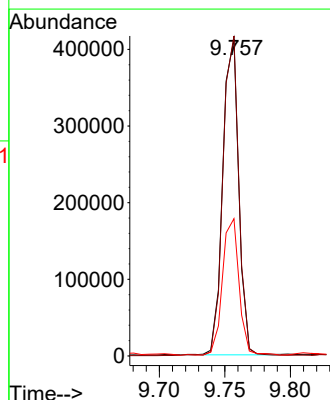
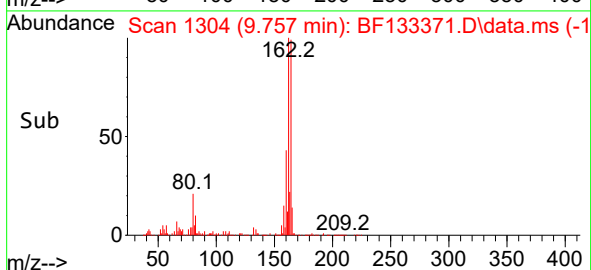
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

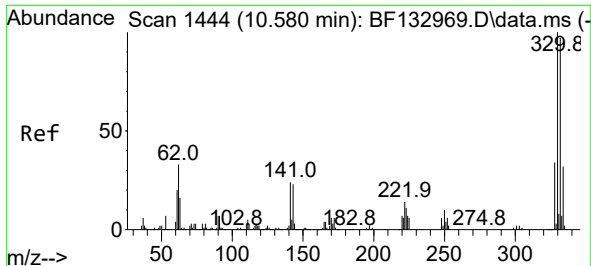


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07



Tgt Ion:164 Resp: 348212
Ion Ratio Lower Upper
164 100
162 101.0 78.7 118.1
160 43.3 35.8 53.6





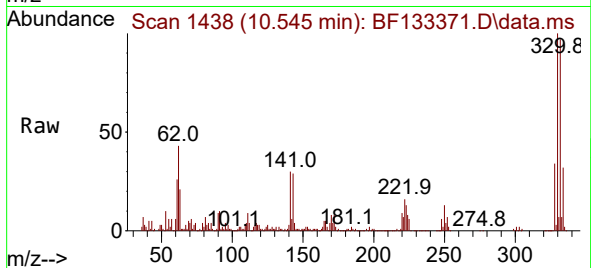
#42
2,4,6-Tribromophenol
Concen: 93.655 ng
RT: 10.545 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

HR-2-051123

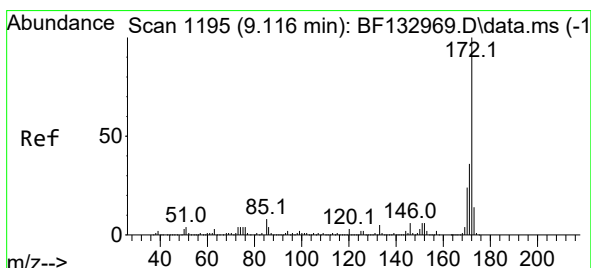
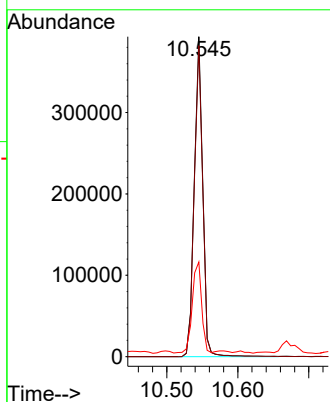
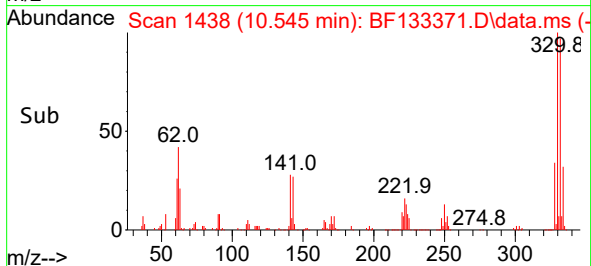


Tgt Ion: 330 Resp: 32797
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 31.2 25.8 38.8

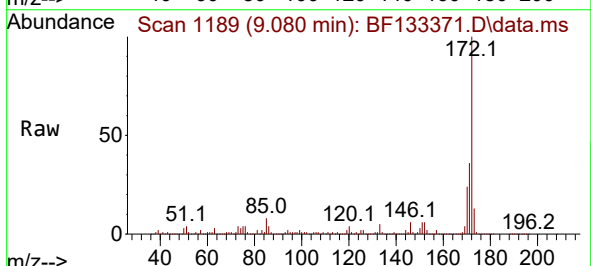
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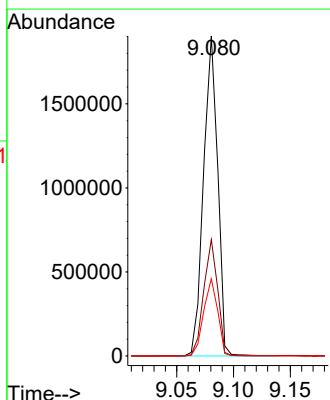
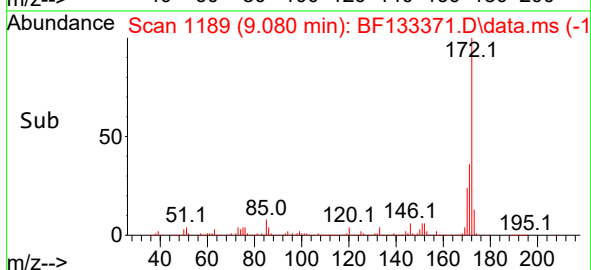
Reviewed By : Christian Giraldo 05/15/2023
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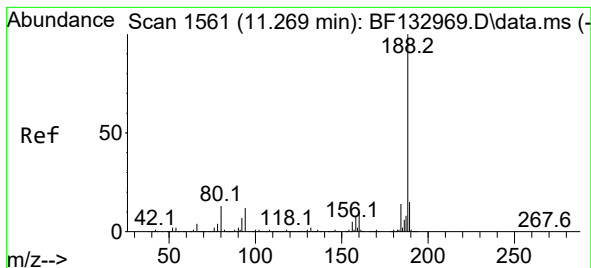


#45
2-Fluorobiphenyl
Concen: 78.760 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07



Tgt Ion: 172 Resp: 1639280
Ion Ratio Lower Upper
172 100
171 36.3 28.8 43.2
170 24.1 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

HR-2-051123

Tgt Ion:188 Resp: 541072

Ion Ratio Lower Upper

188 100

94 10.2 9.7 14.5

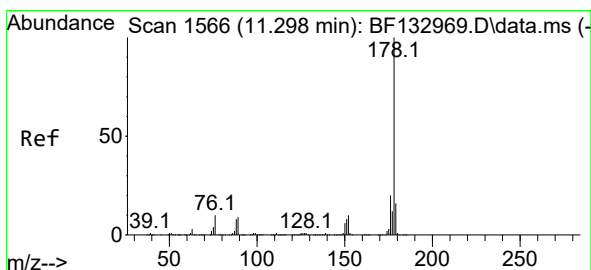
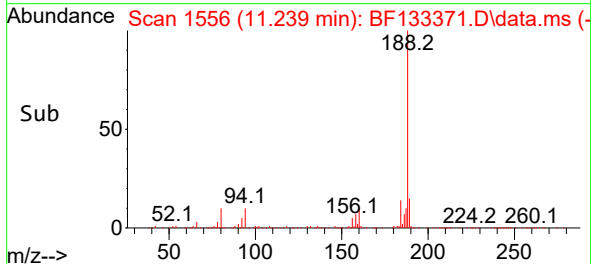
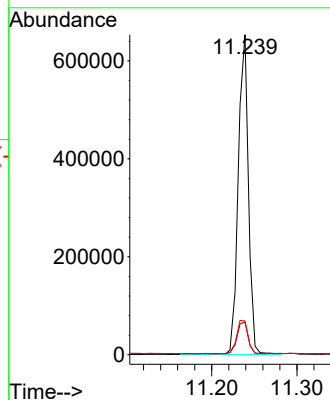
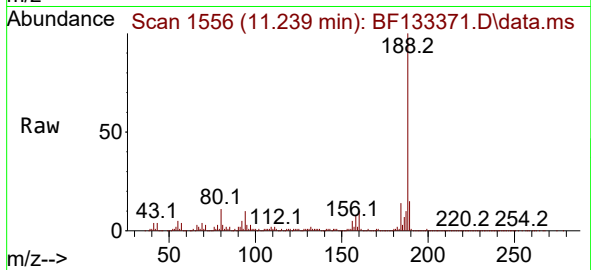
80 10.5 10.4 15.6

Manual Integrations

APPROVED

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Supervised By :Yogesh Patel 05/16/2023



#71

Phenanthrene

Concen: 5.451 ng m

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

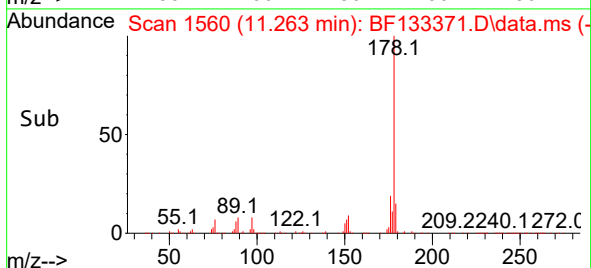
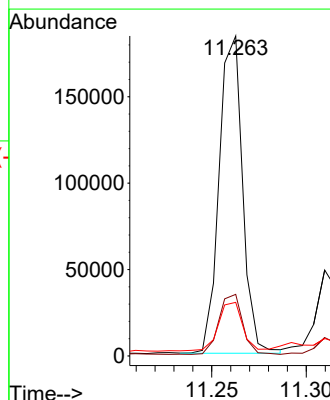
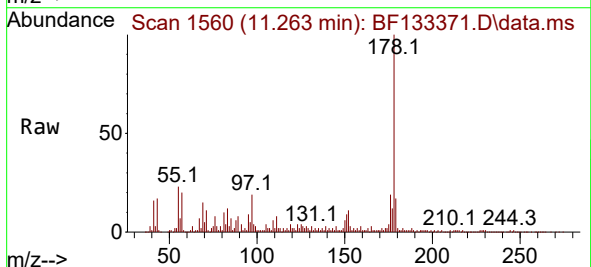
Tgt Ion:178 Resp: 158516

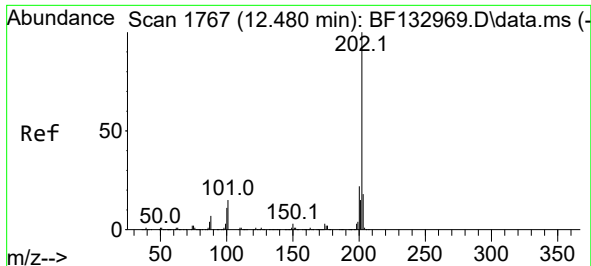
Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

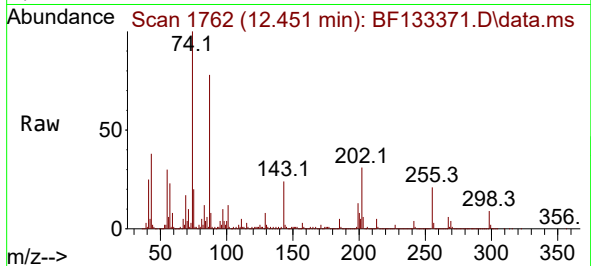
179 16.8 12.5 18.7





#75
Fluoranthene
Concen: 7.223 ng m
RT: 12.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

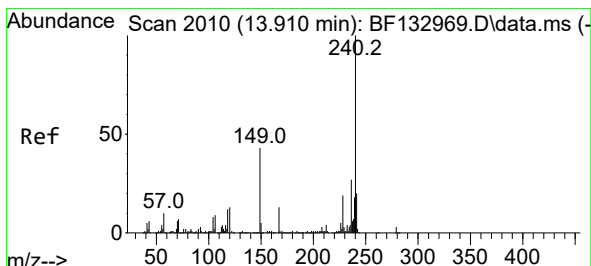
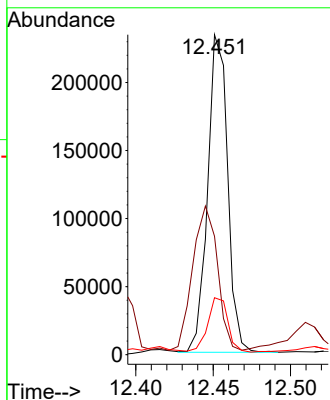
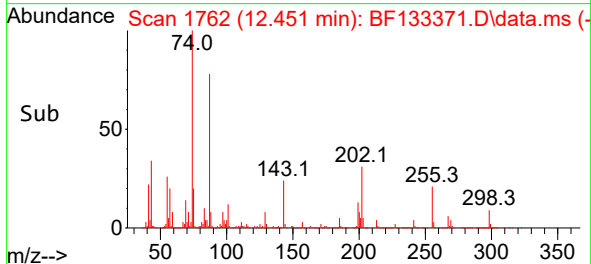
Instrument :
BNA_F
ClientSampleId :
HR-2-051123



Tgt Ion:202 Resp: 210810
Ion Ratio Lower Upper
202 100
101 37.0 0.0 35.3
203 17.8 0.0 38.1

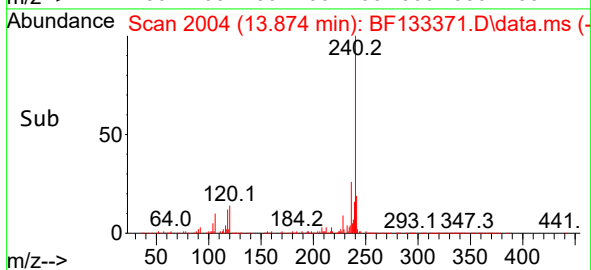
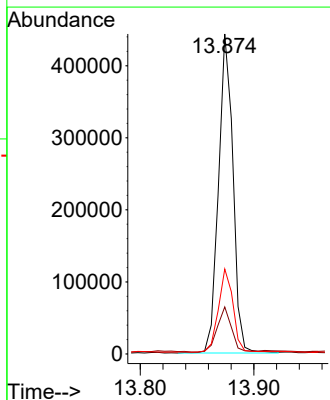
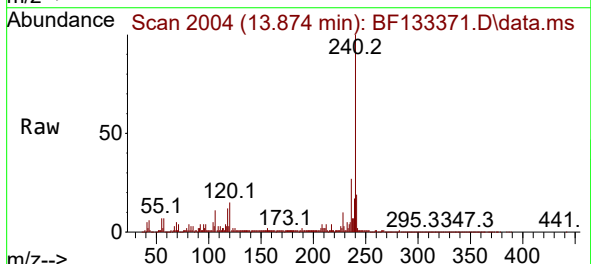
Manual Integrations
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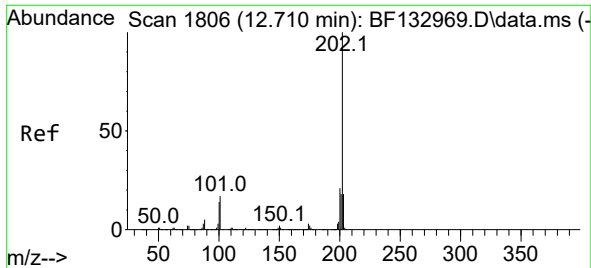
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

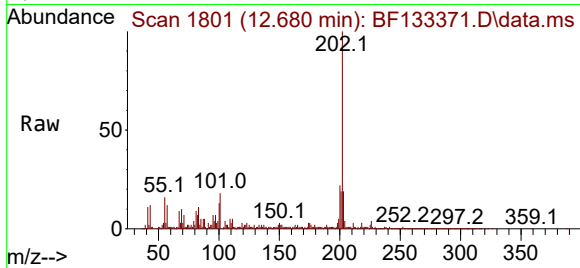
Tgt Ion:240 Resp: 392994
Ion Ratio Lower Upper
240 100
120 14.7 10.5 15.7
236 26.6 21.5 32.3





#78
Pyrene
Concen: 7.331 ng
RT: 12.680 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

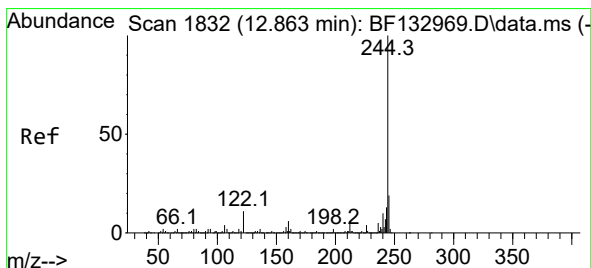
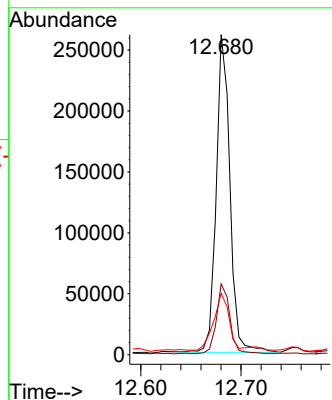
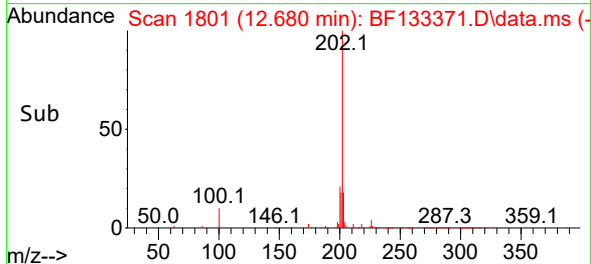
Instrument :
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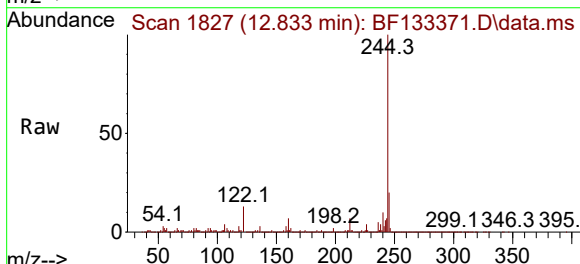
Tgt Ion:202 Resp: 24698
Ion Ratio Lower Upper
202 100
200 22.1 17.1 25.7
203 19.2 14.1 21.1

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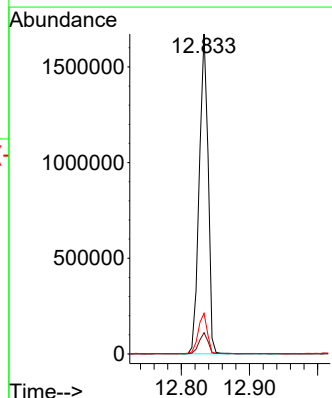
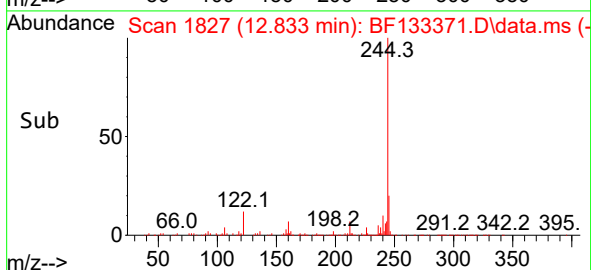
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

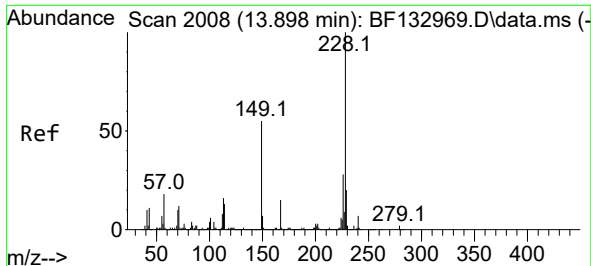


#79
Terphenyl-d14
Concen: 66.087 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07



Tgt Ion:244 Resp: 1505900
Ion Ratio Lower Upper
244 100
212 6.7 5.1 7.7
122 12.7 8.6 13.0





#81
Benzo(a)anthracene
Concen: 4.711 ng
RT: 13.863 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Instrument :

BNF_F

ClientSampleId :

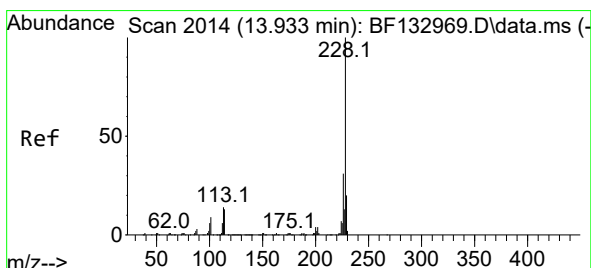
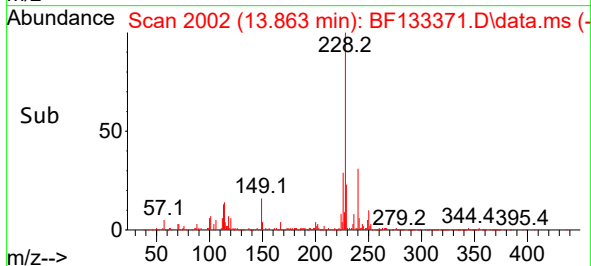
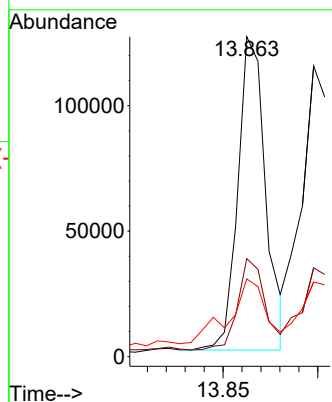
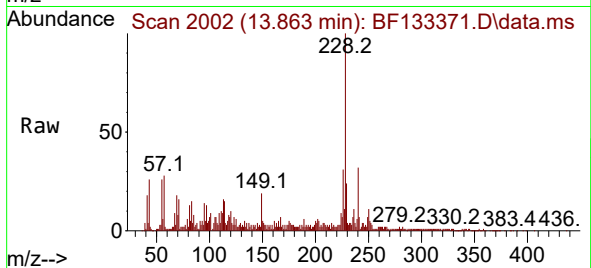
HR-2-051123

Tgt Ion:228 Resp: 127305
Ion Ratio Lower Upper
228 100
226 30.6 22.2 33.4
229 24.3 16.0 24.0

Manual Integrations

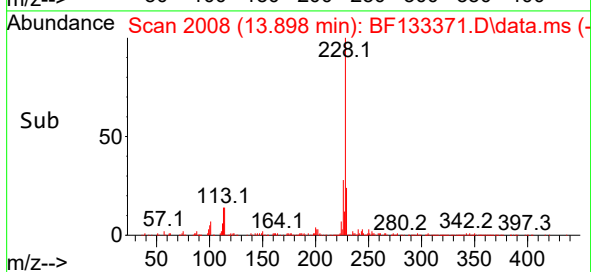
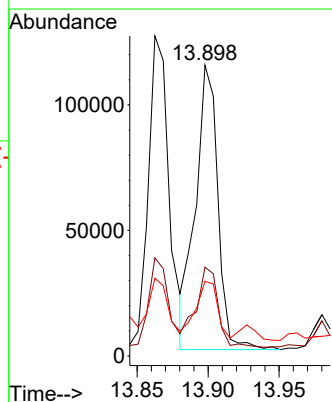
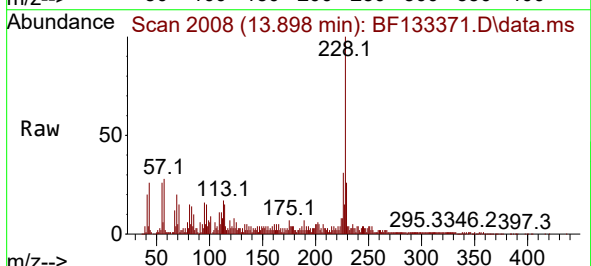
APPROVED

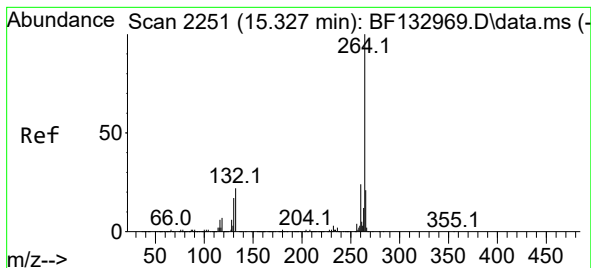
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#83
Chrysene
Concen: 4.610 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Tgt Ion:228 Resp: 124545
Ion Ratio Lower Upper
228 100
226 30.5 24.7 37.1
229 25.7 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

HR-2-051123

Tgt Ion:264 Resp: 30950

Ion Ratio Lower Upper

264 100

260 25.4 18.8 28.2

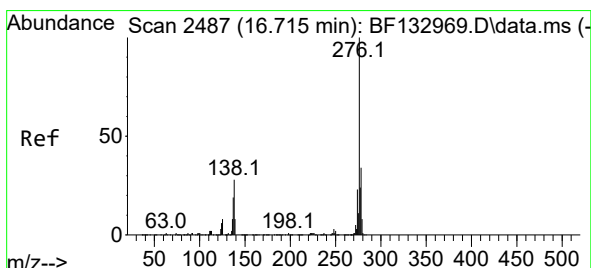
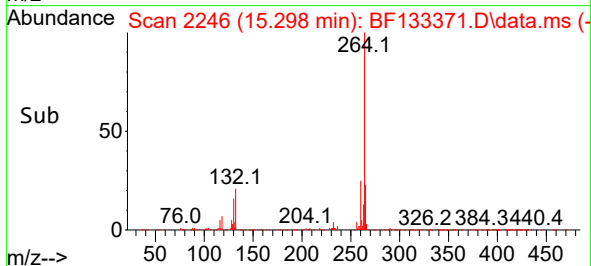
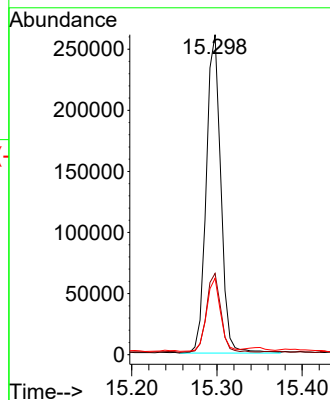
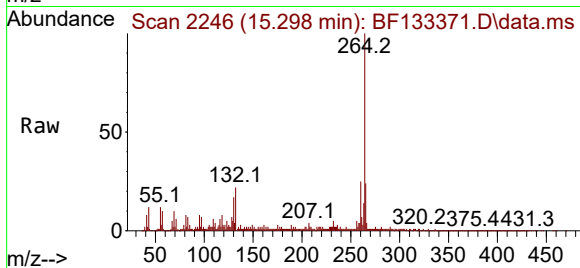
265 23.9 17.0 25.4

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: 2.286 ng

RT: 16.674 min Scan# 2480

Delta R.T. -0.006 min

Lab File: BF133371.D

Acq: 12 May 2023 16:07

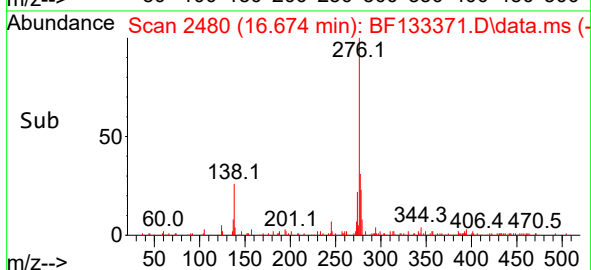
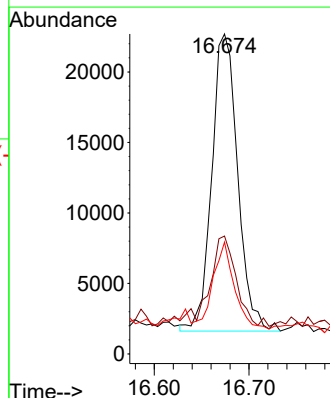
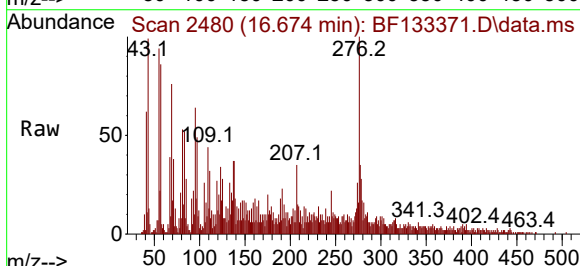
Tgt Ion:276 Resp: 40244

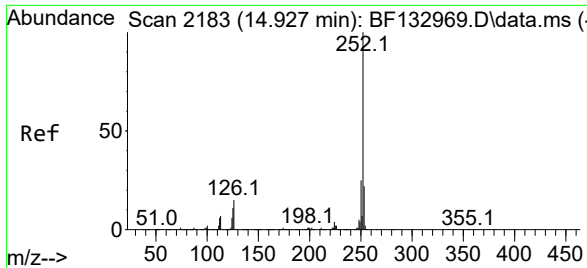
Ion Ratio Lower Upper

276 100

138 33.4 25.5 38.3

277 23.9 20.4 30.6





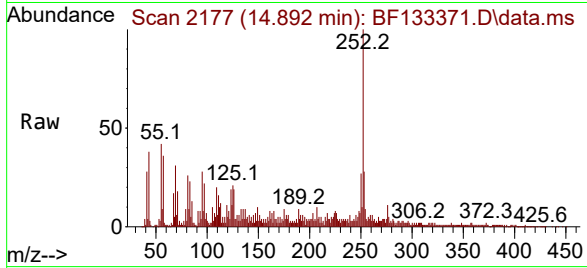
#88
Benzo(b)fluoranthene
Concen: 6.498 ng m
RT: 14.892 min Scan# 2183
Delta R.T. -0.000 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Instrument :

BNF

ClientSampleId :

HR-2-051123

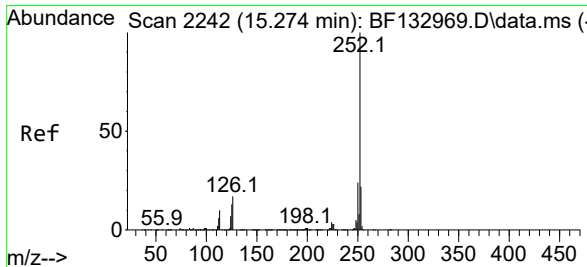
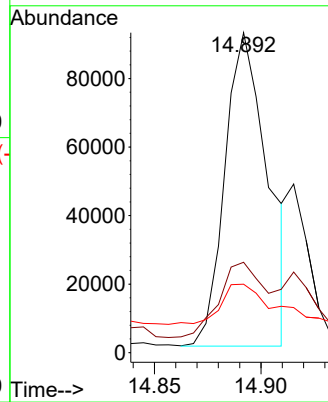
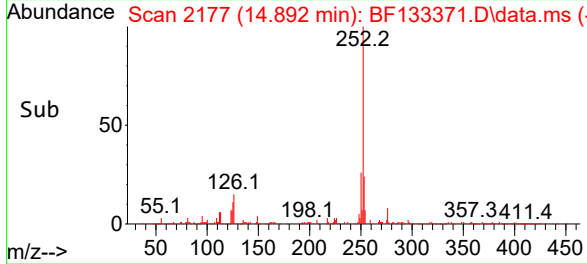


Tgt Ion:252 Resp: 12794
Ion Ratio Lower Upper
252 100
253 28.2 17.6 26.4
125 21.4 8.9 13.3

Manual Integrations

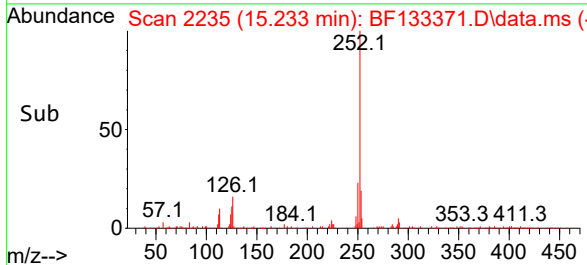
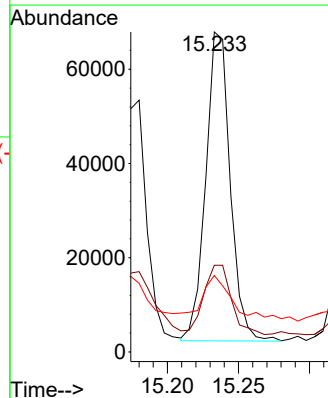
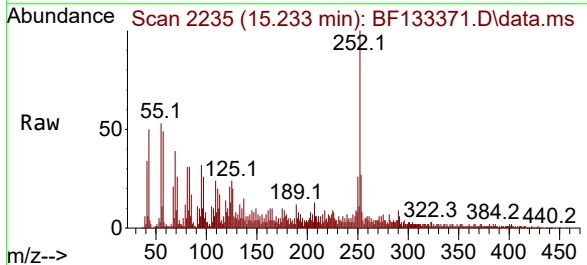
APPROVED

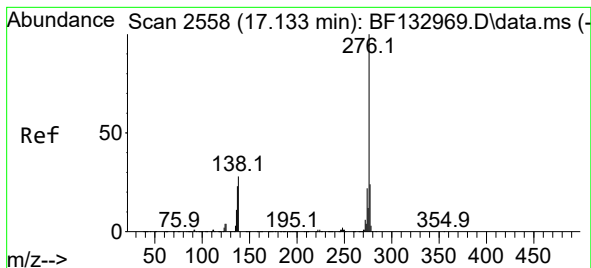
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#90
Benzo(a)pyrene
Concen: 4.399 ng
RT: 15.233 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BF133371.D
Acq: 12 May 2023 16:07

Tgt Ion:252 Resp: 78848
Ion Ratio Lower Upper
252 100
253 27.1 17.7 26.5
125 23.9 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 2.964 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133371.D

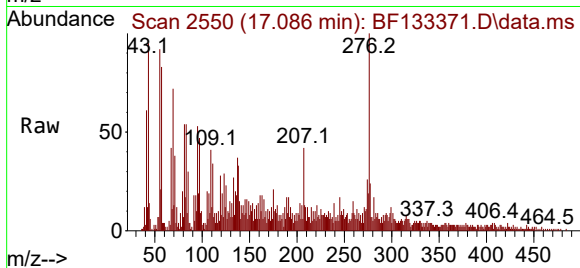
Acq: 12 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

HR-2-051123



Tgt Ion:	276	Resp:	42970
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.4	29.0
138	33.4	22.7	34.1

Manual Integrations

APPROVED

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

