

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051123\
 Data File : BF133364.D
 Acq On : 11 May 2023 20:17
 Operator : CG\JU
 Sample : 02745-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-051023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/12/2023
 Supervised By : Jagrut Upadhyay 05/15/2023

Quant Time: May 12 04:32:05 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	199163	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	787007	20.000	ng	0.00
39) Acenaphthene-d10	9.751	164	385350	20.000	ng	0.00
64) Phenanthrene-d10	11.233	188	613262	20.000	ng	0.00
76) Chrysene-d12	13.868	240	458555	20.000	ng	-0.01
86) Perylene-d12	15.292	264	459617	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	166694	12.643	ng	0.00
7) Phenol-d6	6.357	99	206745	12.634	ng	-0.01
23) Nitrobenzene-d5	7.281	82	123955	8.501	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	40421	10.430	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	261259	11.343	ng	-0.01
79) Terphenyl-d14	12.816	244	223829	8.418	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.257	178	71966	2.183	ng	99
75) Fluoranthene	12.445	202	355261	10.739	ng	96
78) Pyrene	12.674	202	335595	8.537	ng	98
81) Benzo(a)anthracene	13.863	228	215421	6.832	ng	99
83) Chrysene	13.898	228	204284	6.480	ng	99
87) Indeno(1,2,3-cd)pyrene	16.662	276	127163	4.864	ng	92
88) Benzo(b)fluoranthene	14.886	252	379851m	12.991	ng	
89) Benzo(k)fluoranthene	14.910	252	105026m	3.623	ng	
90) Benzo(a)pyrene	15.227	252	255776	9.610	ng	99
92) Benzo(g,h,i)perylene	17.074	276	116947	5.432	ng	96

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

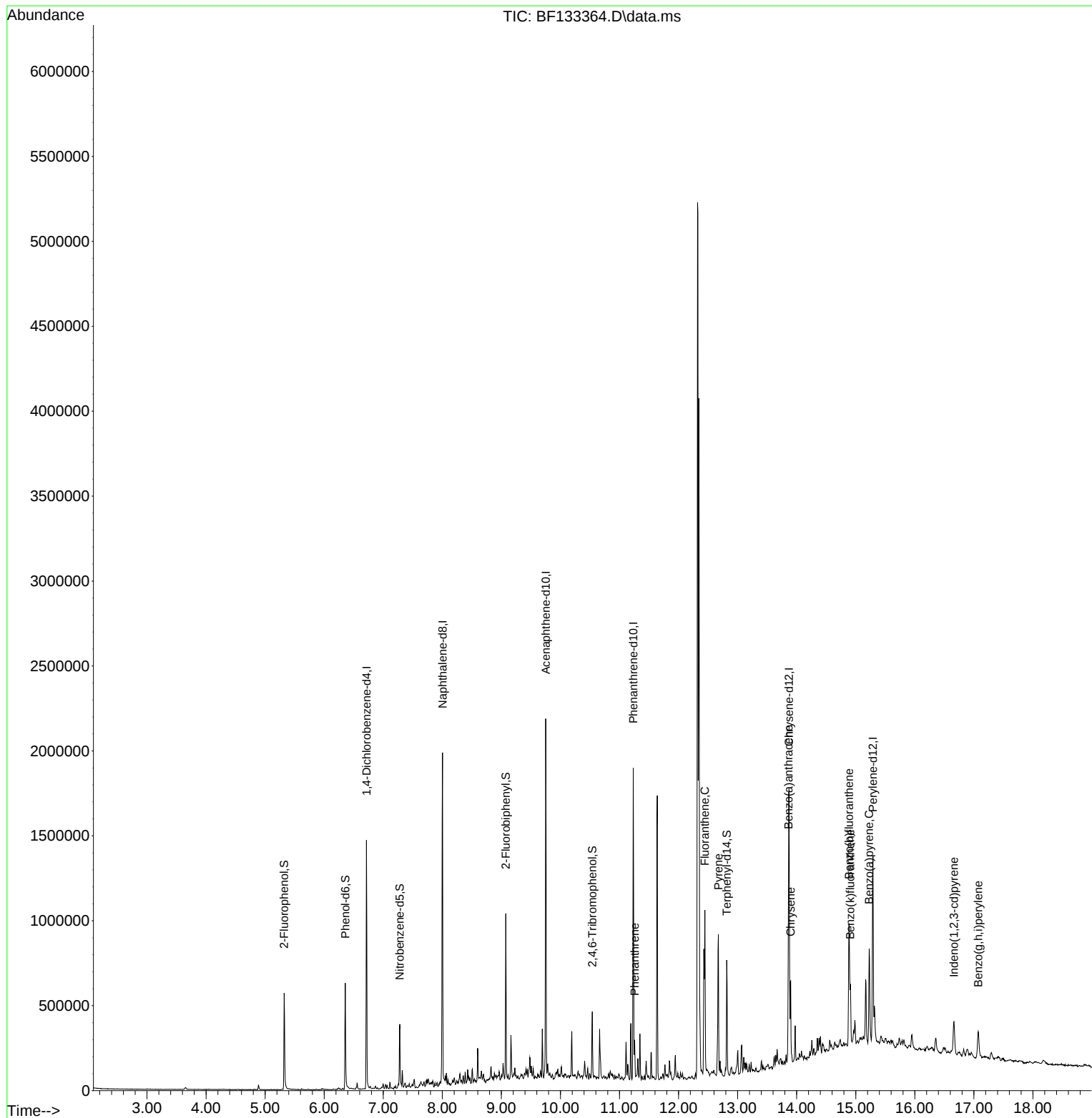
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051123\
Data File : BF133364.D
Acq On : 11 May 2023 20:17
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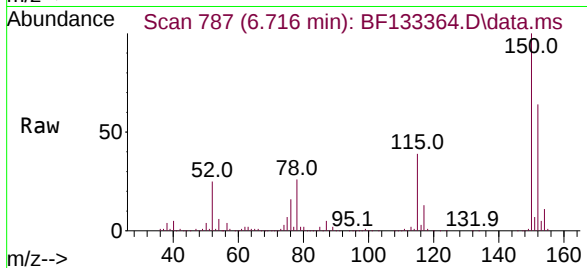
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Instrument :

BNA_F

ClientSampleId :

NB-08-051023

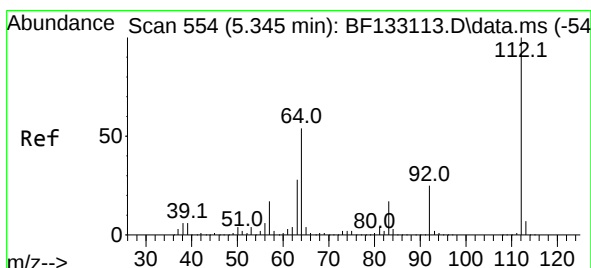
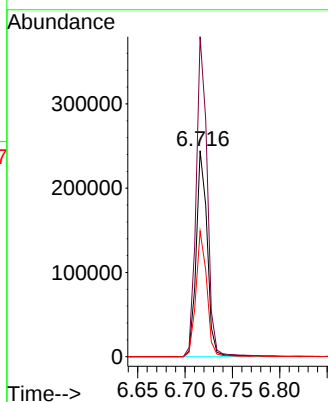
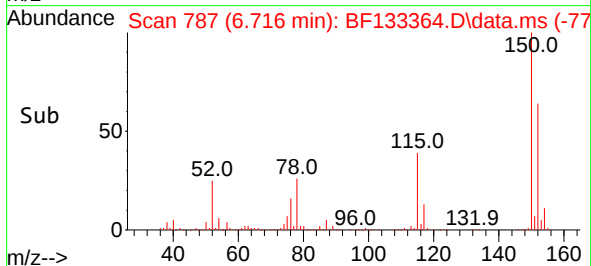


Tgt Ion:152 Resp: 19916
Ion Ratio Lower Upper
152 100
150 155.4 124.8 187.2
115 61.0 49.9 74.9

Manual Integrations

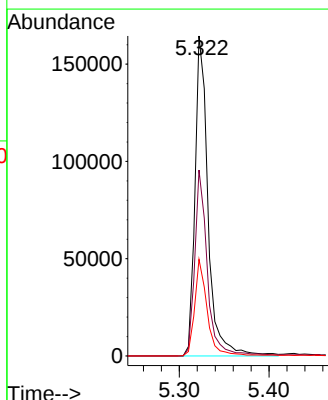
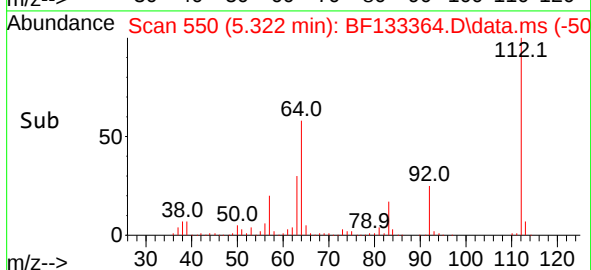
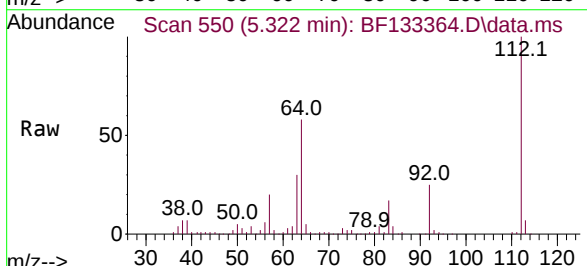
APPROVED

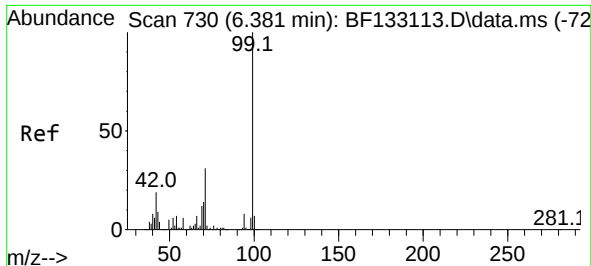
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#5
2-Fluorophenol
Concen: 12.643 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

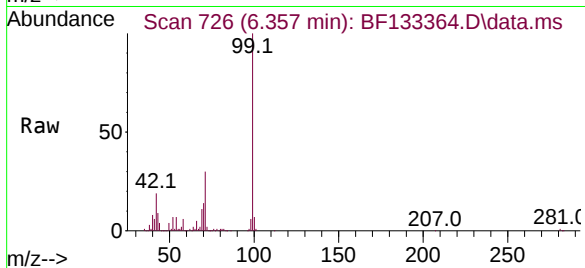
Tgt Ion:112 Resp: 166694
Ion Ratio Lower Upper
112 100
64 58.1 46.8 70.2
63 30.2 23.8 35.8





#7
Phenol-d6
Concen: 12.634 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

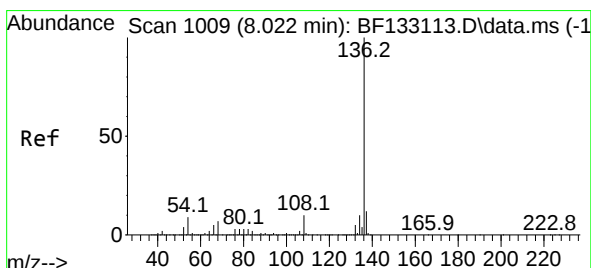
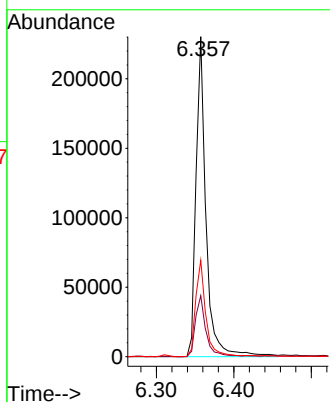
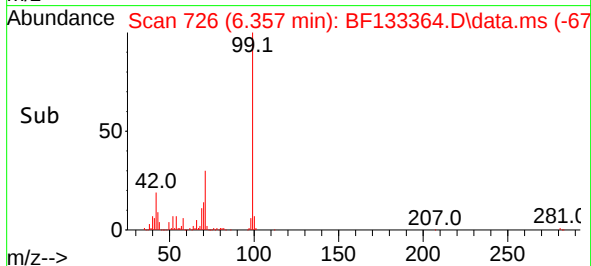
Instrument :
BNA_F
ClientSampleId :
NB-08-051023



Tgt Ion: 99 Resp: 206745
Ion Ratio Lower Upper
99 100
42 19.0 16.3 24.5
71 30.2 25.6 38.4

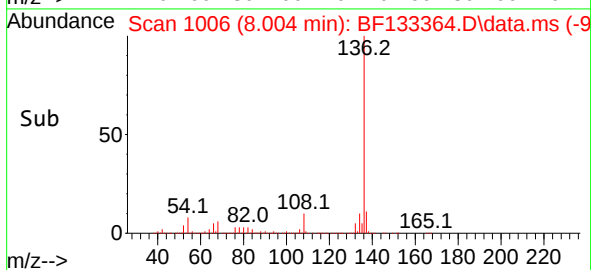
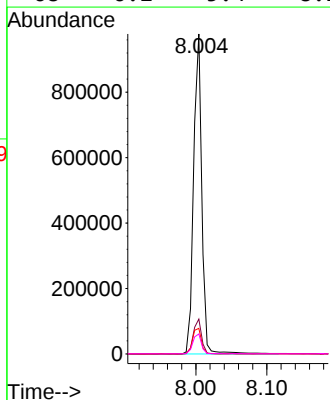
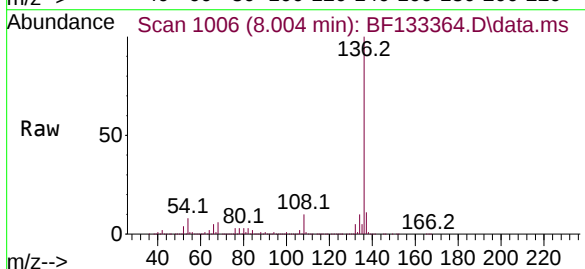
Manual Integrations
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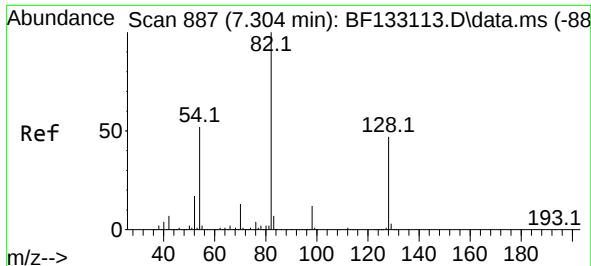
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion:136 Resp: 787007
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.0 7.0 10.4
68 6.2 5.4 8.2





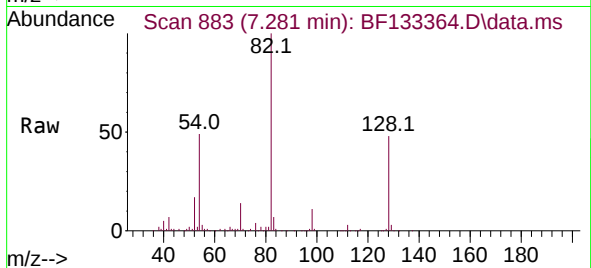
#23
Nitrobenzene-d5
Concen: 8.501 ng
RT: 7.281 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Instrument :

BNA_F

ClientSampleId :

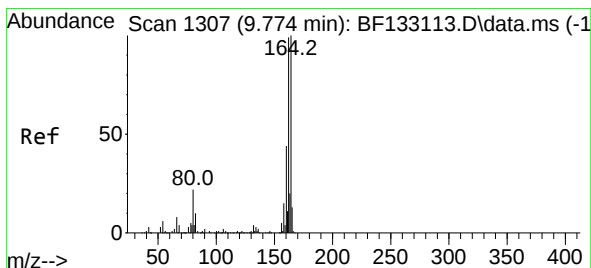
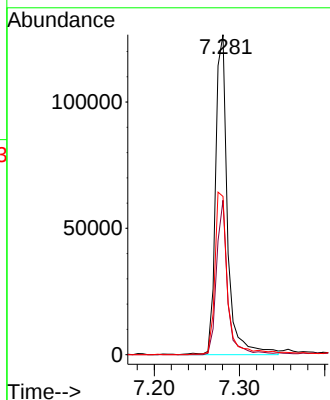
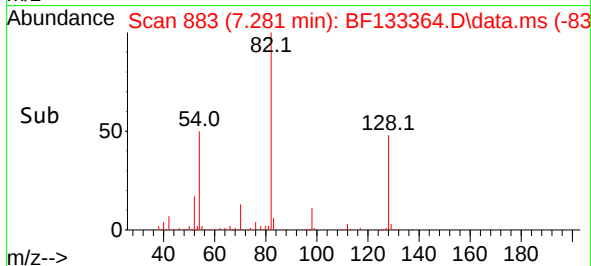
NB-08-051023



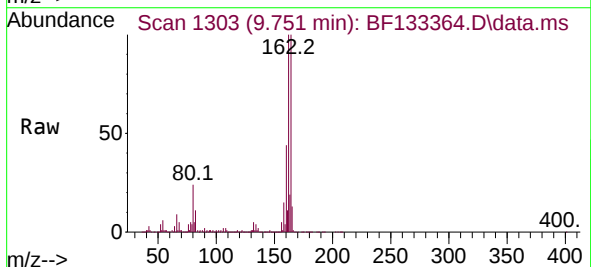
Tgt Ion: 82 Resp: 123958
Ion Ratio Lower Upper
82 100
128 48.3 37.7 56.5
54 49.5 43.0 64.4

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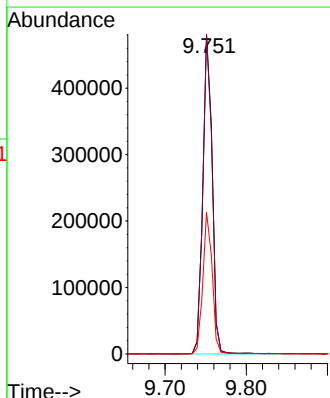
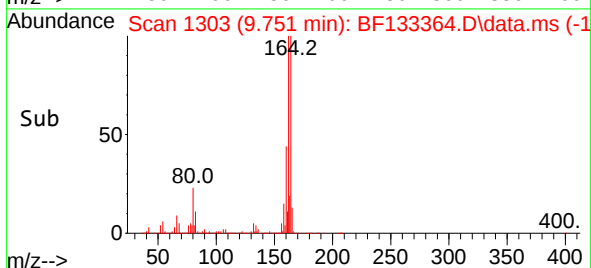
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

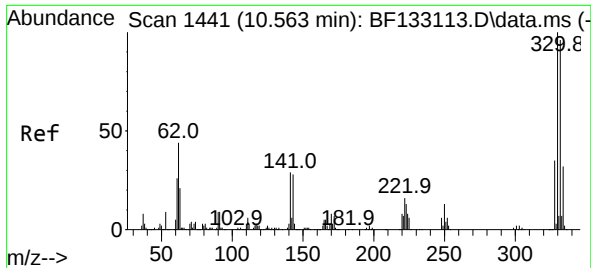


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17



Tgt Ion:164 Resp: 385350
Ion Ratio Lower Upper
164 100
162 100.0 78.7 118.1
160 44.3 35.8 53.6





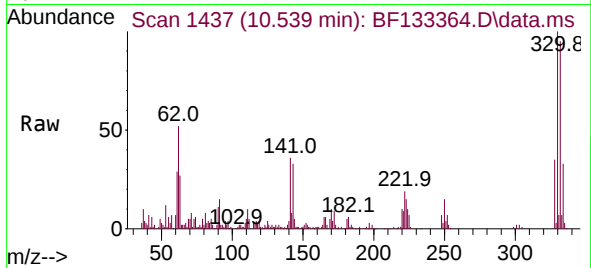
#42
2,4,6-Tribromophenol
Concen: 10.430 ng
RT: 10.539 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Instrument :

BNA_F

ClientSampleId :

NB-08-051023

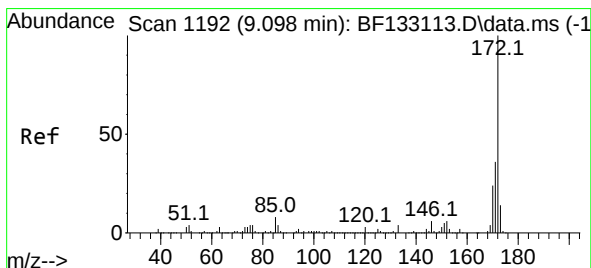
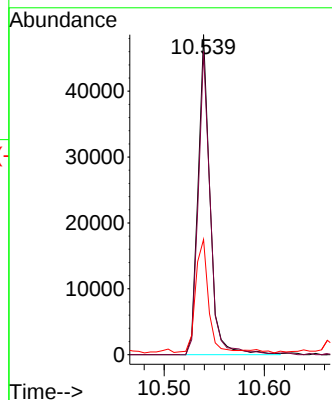
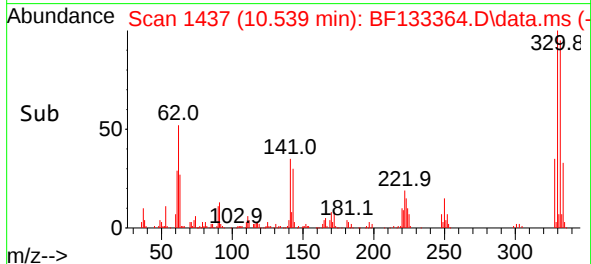


Tgt Ion:330 Resp: 4042
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 37.4 25.8 38.8

Manual Integrations

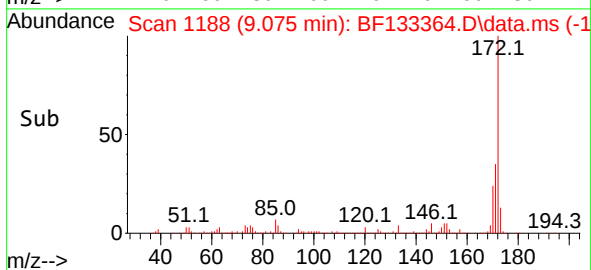
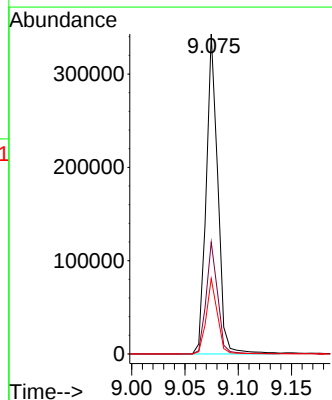
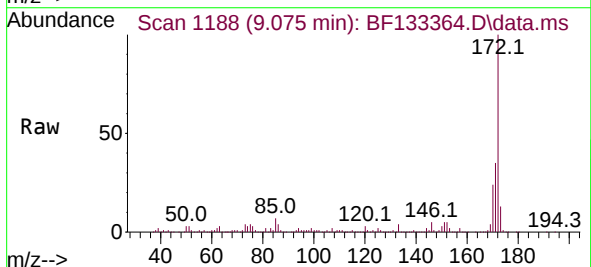
APPROVED

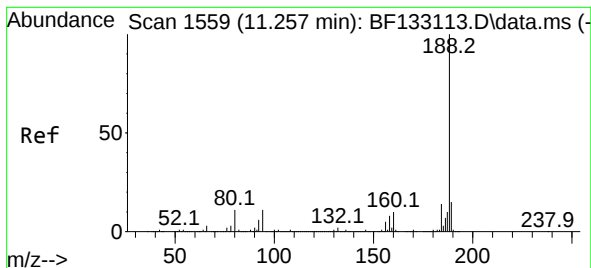
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#45
2-Fluorobiphenyl
Concen: 11.343 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

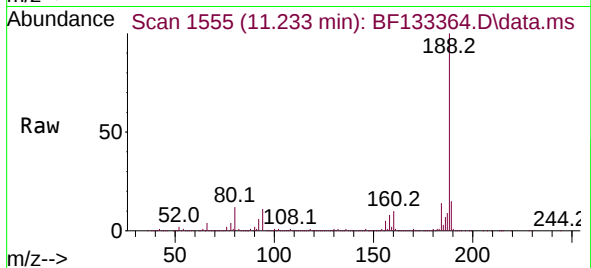
Tgt Ion:172 Resp: 261259
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.6 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

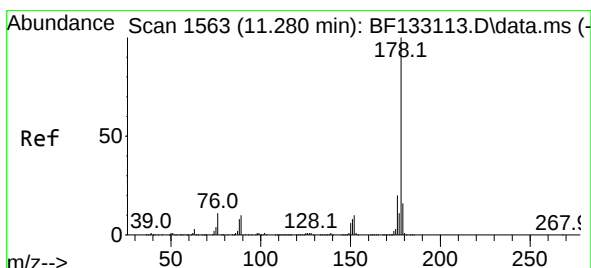
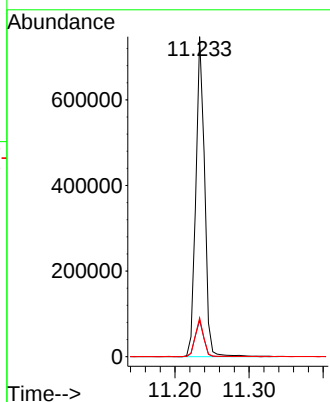
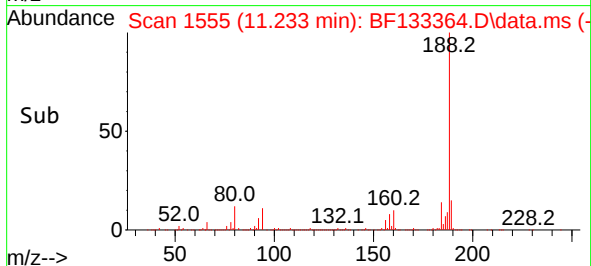
Instrument :
BNA_F
ClientSampleId :
NB-08-051023



Tgt Ion:188 Resp: 61326
Ion Ratio Lower Upper
188 100
94 11.4 9.7 14.5
80 12.2 10.4 15.6

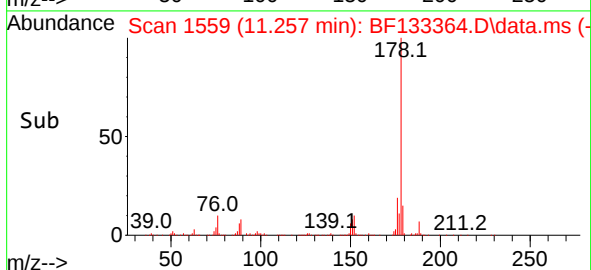
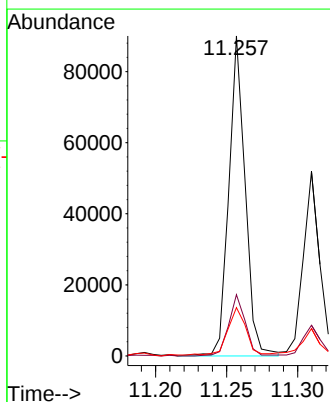
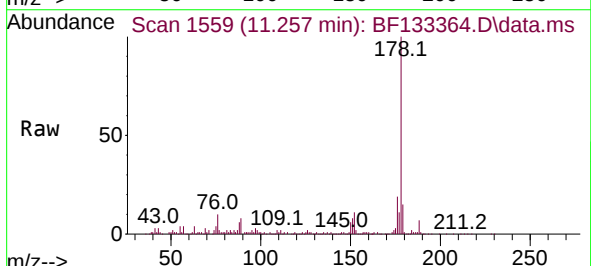
Manual Integrations
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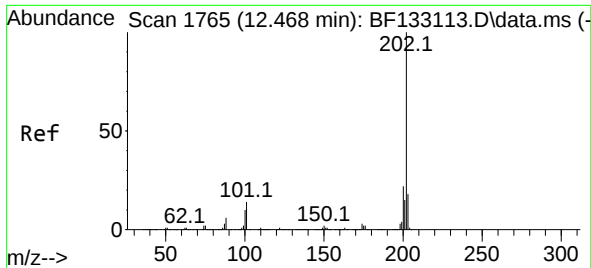
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#71
Phenanthrene
Concen: 2.183 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion:178 Resp: 71966
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.1 12.5 18.7





#75
Fluoranthene
Concen: 10.739 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Instrument :

BNA_F

ClientSampleId :

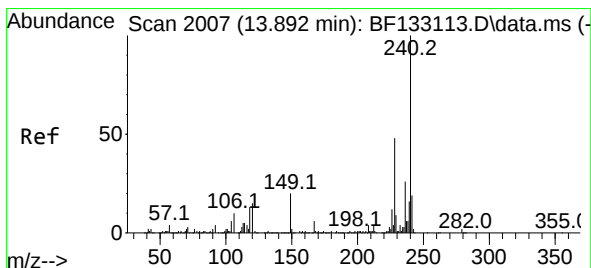
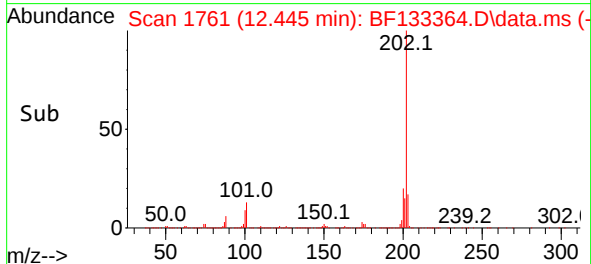
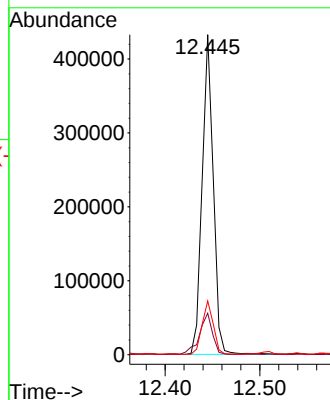
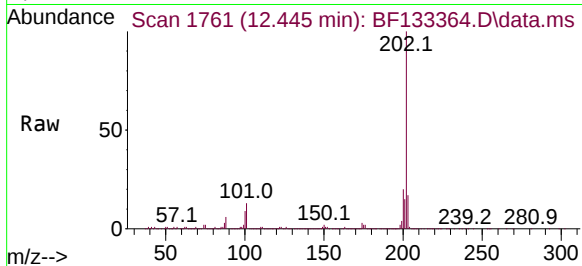
NB-08-051023

Tgt Ion:202 Resp: 35526
Ion Ratio Lower Upper
202 100
101 13.0 0.0 35.3
203 16.8 0.0 38.1

Manual Integrations

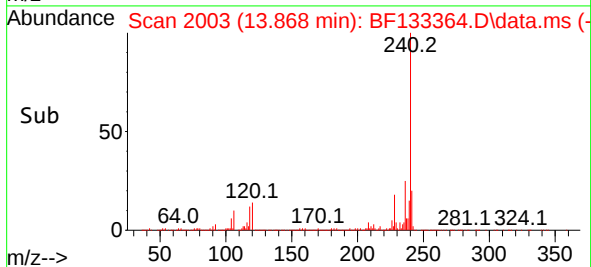
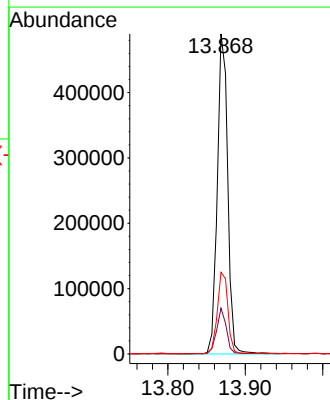
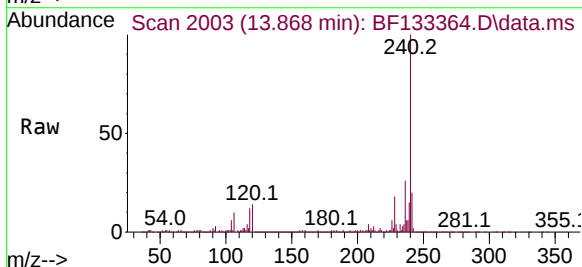
APPROVED

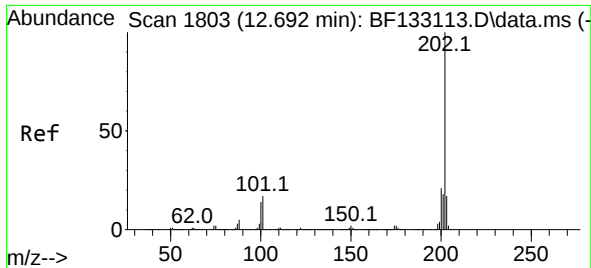
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

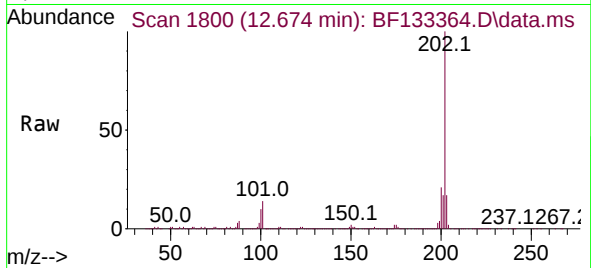
Tgt Ion:240 Resp: 458555
Ion Ratio Lower Upper
240 100
120 14.3 10.5 15.7
236 25.5 21.5 32.3





#78
Pyrene
Concen: 8.537 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

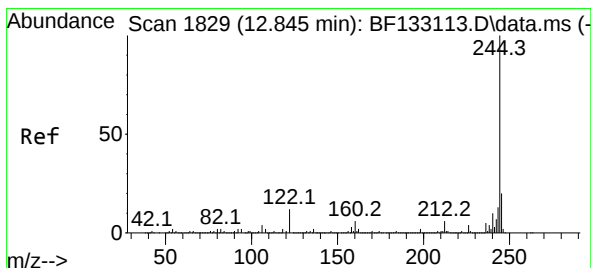
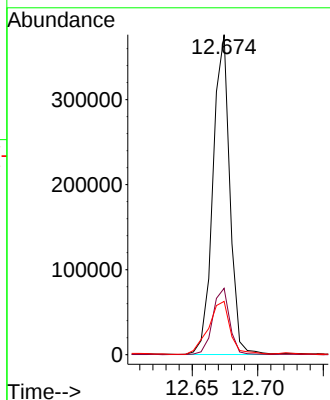
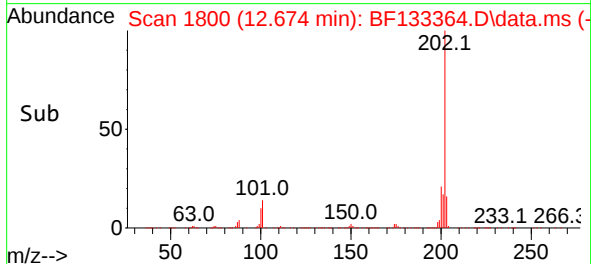
Instrument :
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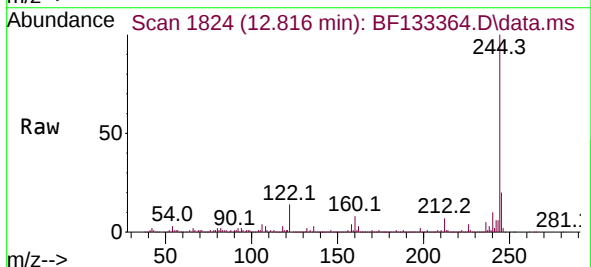
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Ion Ratio Lower Upper
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200 20.8 17.1 25.7
203 16.6 14.1 21.1

Manual Integrations
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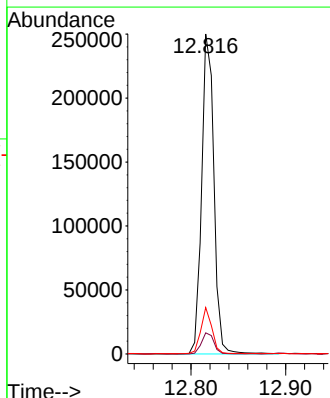
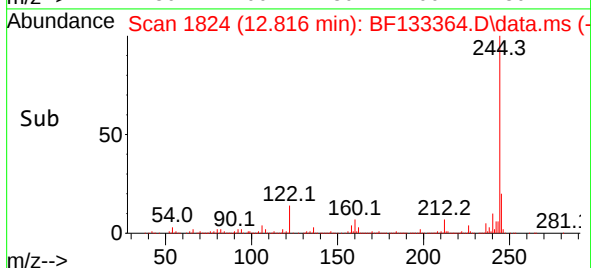
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

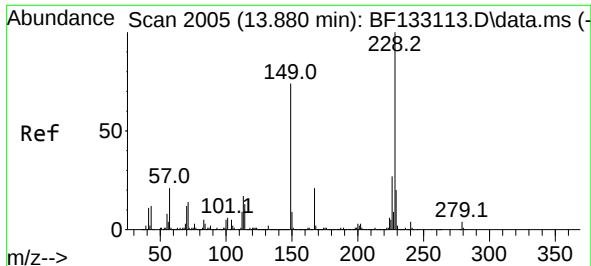


#79
Terphenyl-d14
Concen: 8.418 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17



Tgt Ion:244 Resp: 223829
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 14.5 8.6 13.0#





#81
Benzo(a)anthracene
Concen: 6.832 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Instrument :

BNA_F

ClientSampleId :

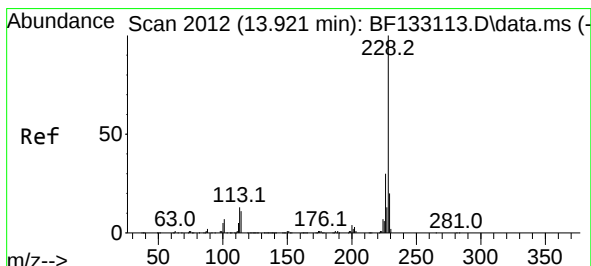
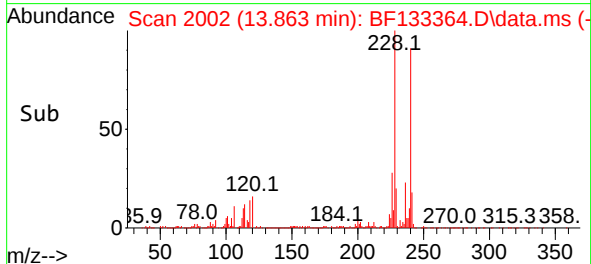
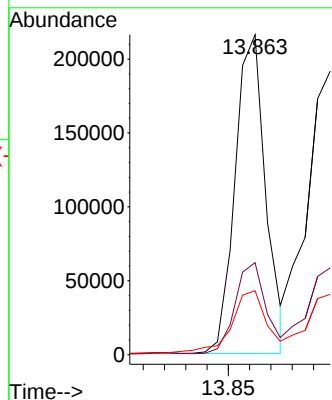
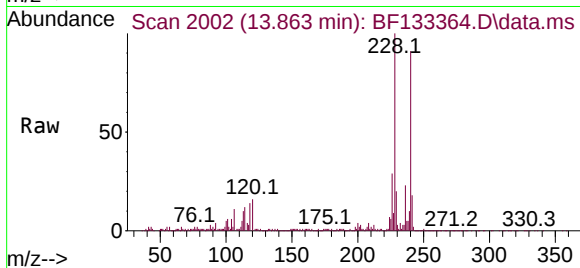
NB-08-051023

Tgt Ion:228 Resp: 21542
Ion Ratio Lower Upper
228 100
226 28.8 22.2 33.4
229 20.0 16.0 24.0

Manual Integrations

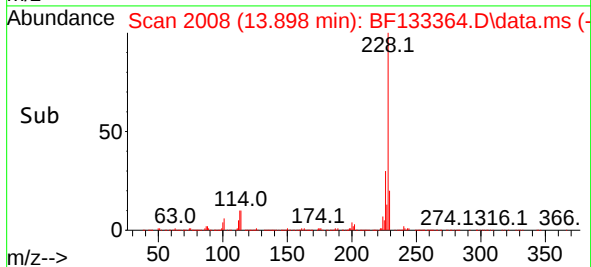
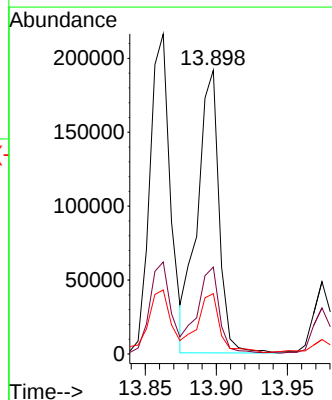
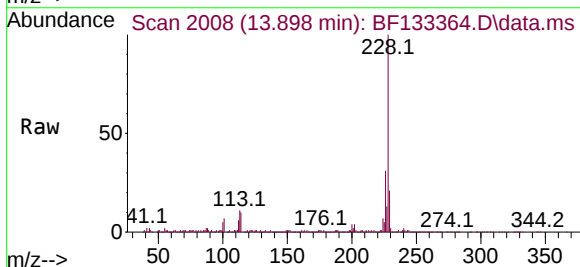
APPROVED

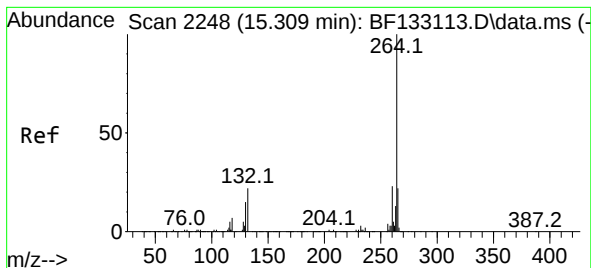
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#83
Chrysene
Concen: 6.480 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion:228 Resp: 204284
Ion Ratio Lower Upper
228 100
226 30.6 24.7 37.1
229 21.2 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133364.D

Acq: 11 May 2023 20:17

Instrument :

BNA_F

ClientSampleId :

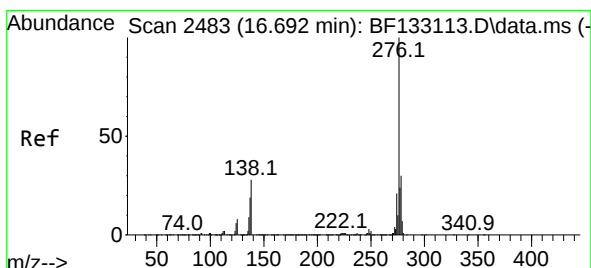
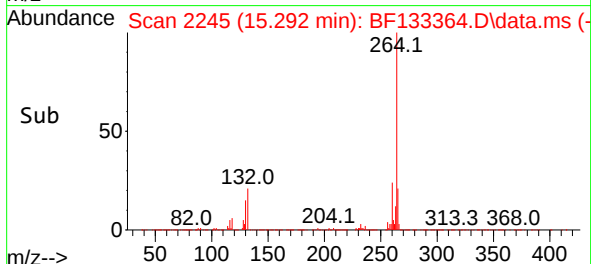
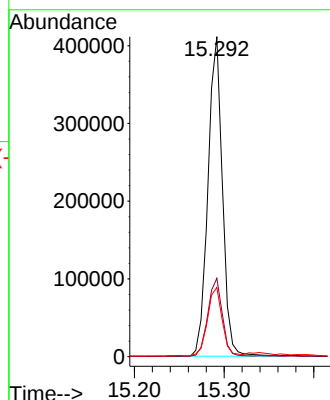
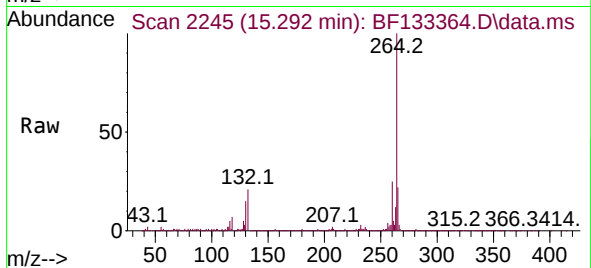
NB-08-051023

Tgt Ion:	264	Resp:	45961
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.8	28.2
265	21.6	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.864 ng

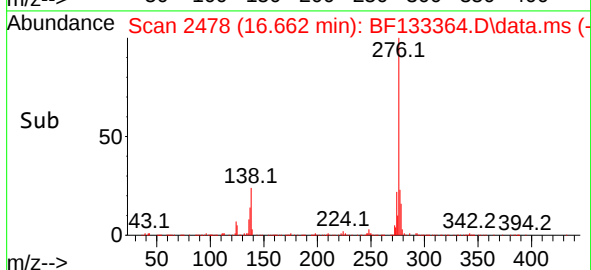
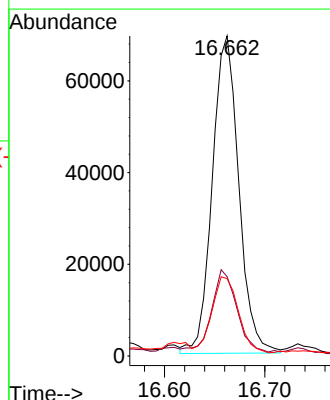
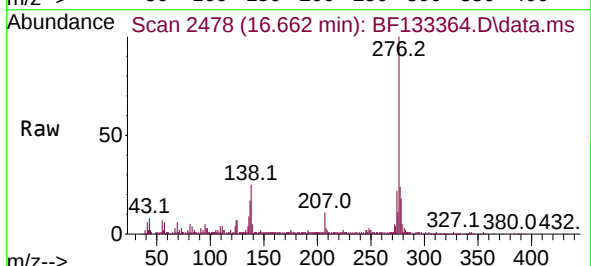
RT: 16.662 min Scan# 2478

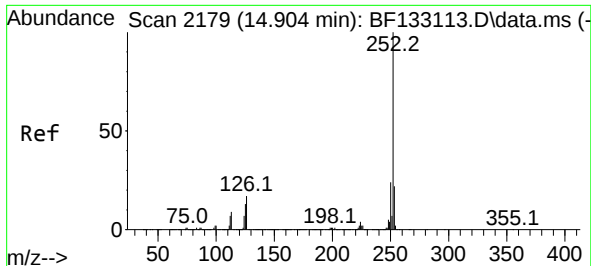
Delta R.T. -0.018 min

Lab File: BF133364.D

Acq: 11 May 2023 20:17

Tgt Ion:	276	Resp:	127163
Ion Ratio	Lower	Upper	
276	100		
138	25.6	25.5	38.3
277	23.9	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 12.991 ng m
RT: 14.886 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Instrument :

BNA_F

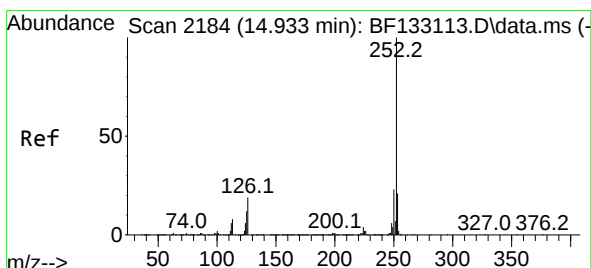
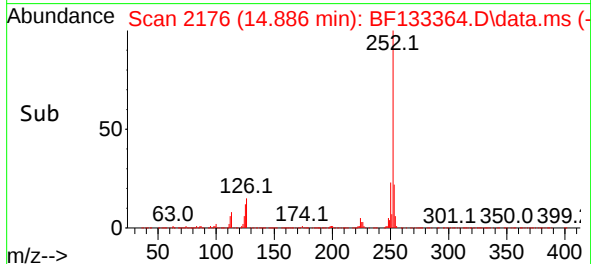
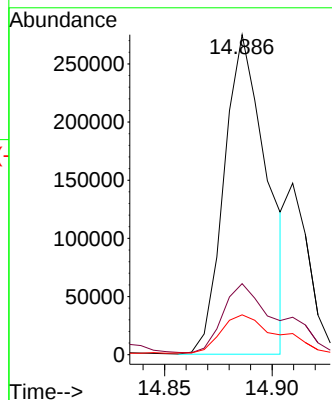
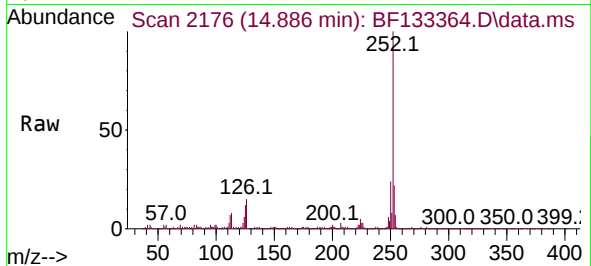
ClientSampleId :

NB-08-051023

Tgt Ion:252 Resp: 37985
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 12.4 8.9 13.3

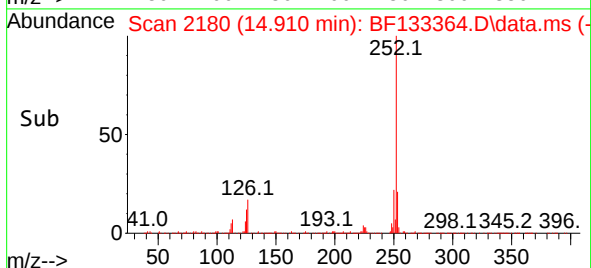
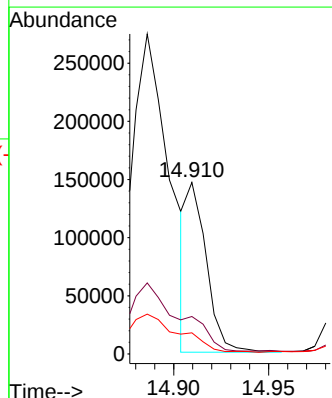
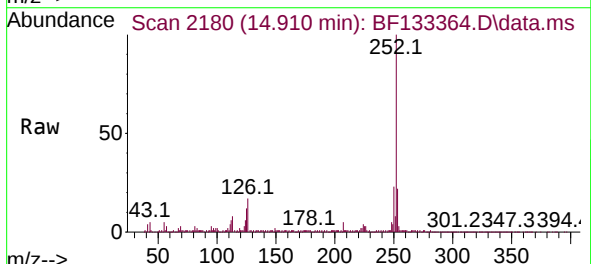
Manual Integrations
APPROVED

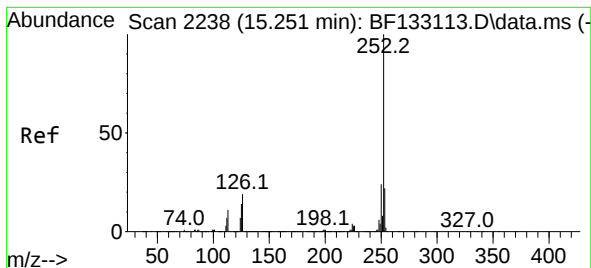
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#89
Benzo(k)fluoranthene
Concen: 3.623 ng m
RT: 14.910 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion:252 Resp: 105026
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 12.4 9.0 13.4





#90

Benzo(a)pyrene

Concen: 9.610 ng

RT: 15.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133364.D

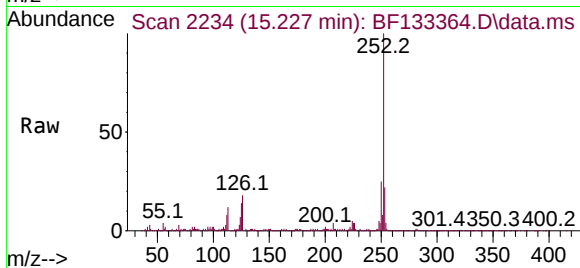
Acq: 11 May 2023 20:17

Instrument :

BNA_F

ClientSampleId :

NB-08-051023



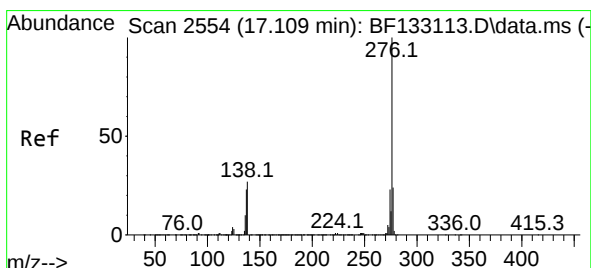
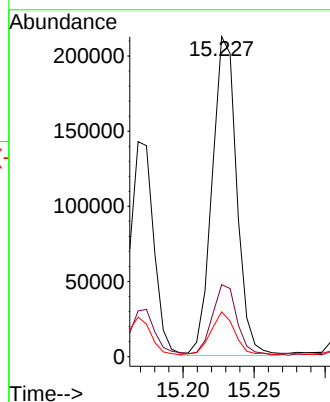
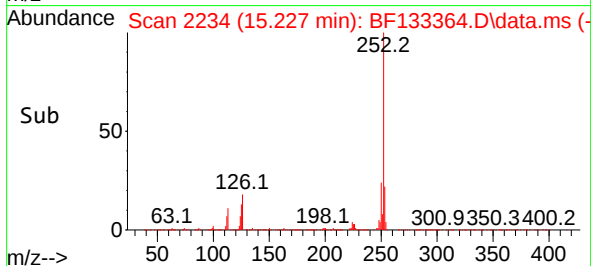
Tgt Ion:	252	Resp:	255770
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.7	26.5
125	14.0	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#92

Benzo(g,h,i)perylene

Concen: 5.432 ng

RT: 17.074 min Scan# 2548

Delta R.T. -0.018 min

Lab File: BF133364.D

Acq: 11 May 2023 20:17

Tgt Ion:	276	Resp:	116947
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.4	29.0
138	24.6	22.7	34.1

