

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133205.D
 Acq On : 03 May 2023 14:06
 Operator : CG\JU
 Sample : 02572-01DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-251671DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/04/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 03 15:23:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 12:00:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	237345	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	953792	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	472560	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	746494	20.000	ng	# 0.00
76) Chrysene-d12	13.880	240	416992	20.000	ng	-0.01
86) Perylene-d12	15.304	264	469390	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	125256	7.972	ng	0.00
7) Phenol-d6	6.363	99	157766	8.090	ng	-0.01
23) Nitrobenzene-d5	7.286	82	97392	5.512	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	12246	2.577	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	206791	7.321	ng	0.00
79) Terphenyl-d14	12.833	244	148755	6.152	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.033	128	97482	2.044	ng	99
58) Fluorene	10.310	166	78096	2.662	ng	99
71) Phenanthrene	11.274	178	766903	19.114	ng	99
72) Anthracene	11.321	178	228533	5.566	ng	100
73) Carbazole	11.474	167	104030	2.845	ng	99
75) Fluoranthene	12.457	202	926370	23.006	ng	99
78) Pyrene	12.686	202	823611	23.041	ng	100
81) Benzo(a)anthracene	13.874	228	291491	10.165	ng	97
83) Chrysene	13.910	228	338209	11.797	ng	96
87) Indeno(1,2,3-cd)pyrene	16.674	276	97107	3.637	ng	96
88) Benzo(b)fluoranthene	14.898	252	416604m	13.951	ng	
89) Benzo(k)fluoranthene	14.921	252	120042m	4.055	ng	
90) Benzo(a)pyrene	15.245	252	210581	7.747	ng	99
92) Benzo(g,h,i)perylene	17.092	276	80652	3.668	ng	97

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

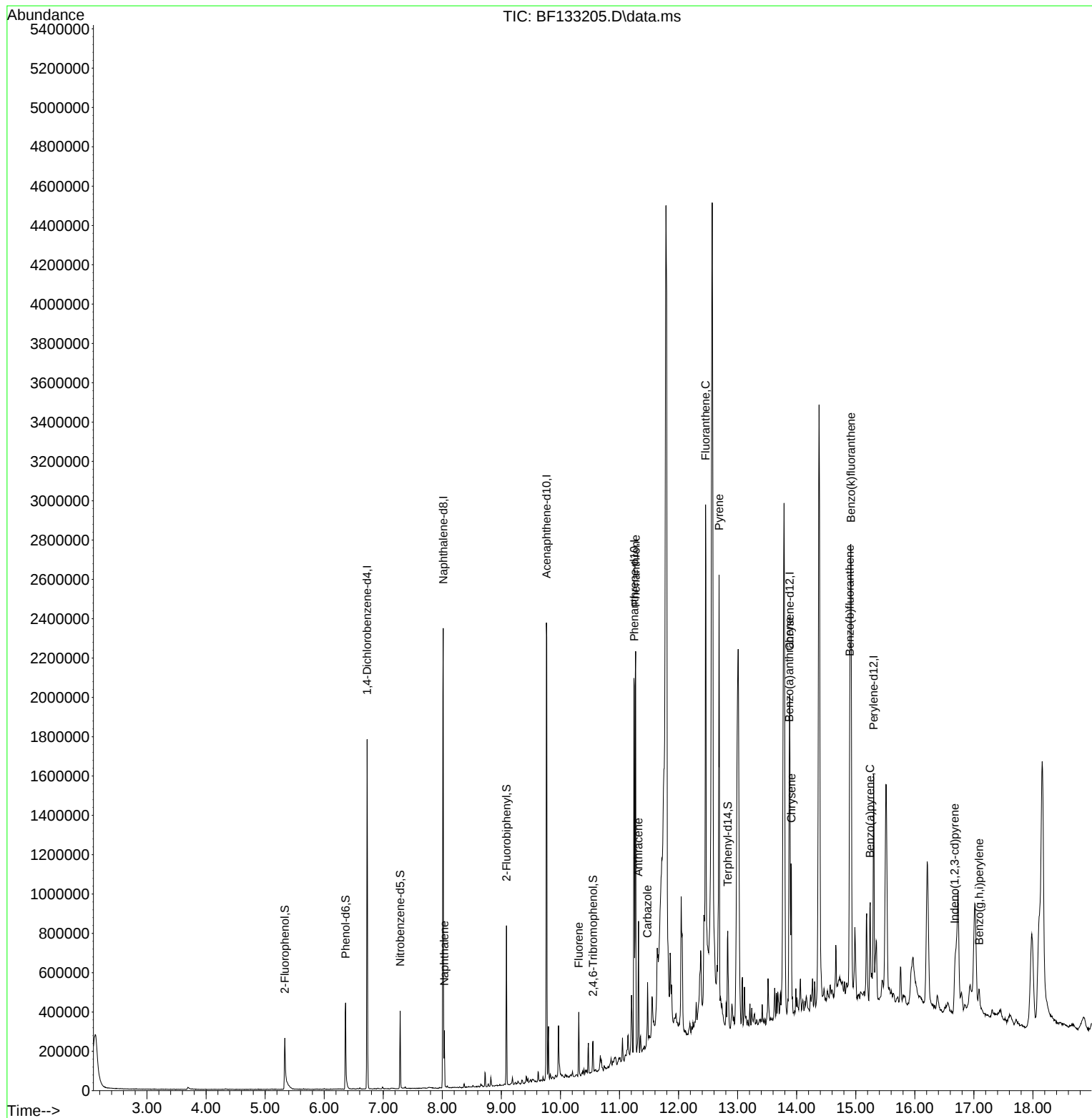
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133205.D
Acq On : 03 May 2023 14:06
Operator : CG\JU
Sample : 02572-01DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

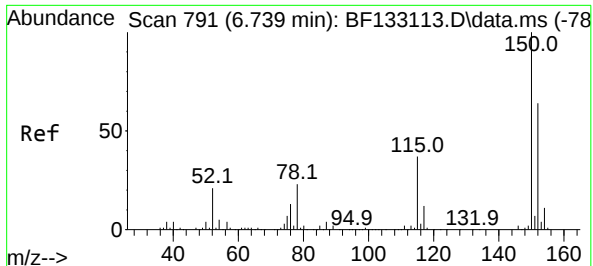
Instrument :
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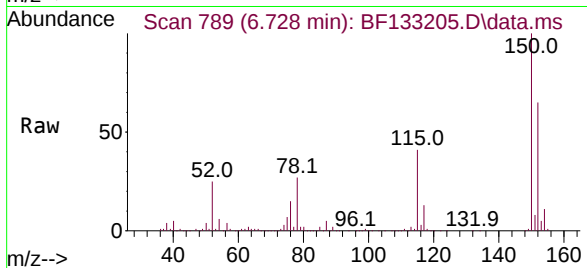
Quant Time: May 03 15:23:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 12:00:39 2023
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF133205.D
 Acq: 03 May 2023 14:06

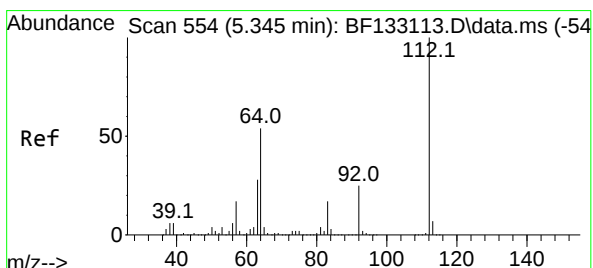
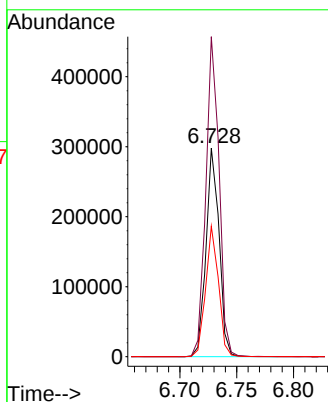
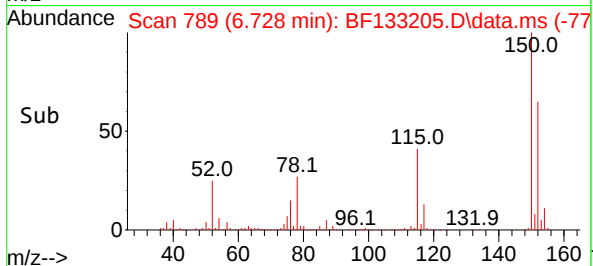
Instrument :
 BNA_F
 ClientSampleId :
 RBR-251671DL



Tgt Ion:152 Resp: 237349
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.8 187.2
 115 62.5 49.9 74.9

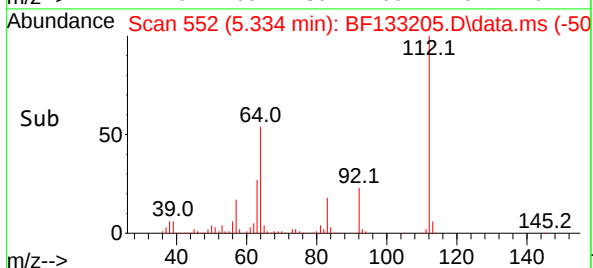
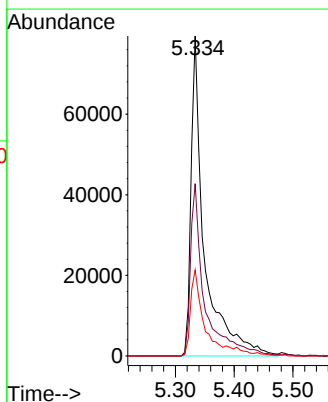
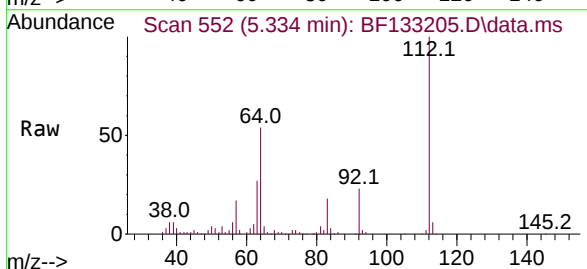
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#5
 2-Fluorophenol
 Concen: 7.972 ng
 RT: 5.334 min Scan# 552
 Delta R.T. -0.006 min
 Lab File: BF133205.D
 Acq: 03 May 2023 14:06

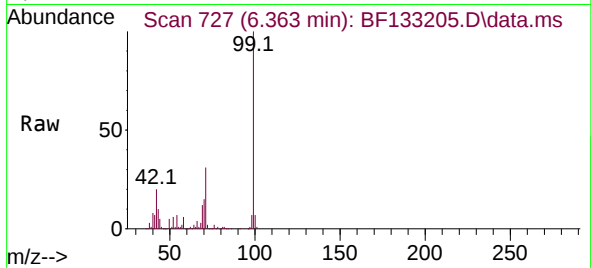
Tgt Ion:112 Resp: 125256
 Ion Ratio Lower Upper
 112 100
 64 53.8 46.8 70.2
 63 26.9 23.8 35.8





#7
Phenol-d6
Concen: 8.090 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

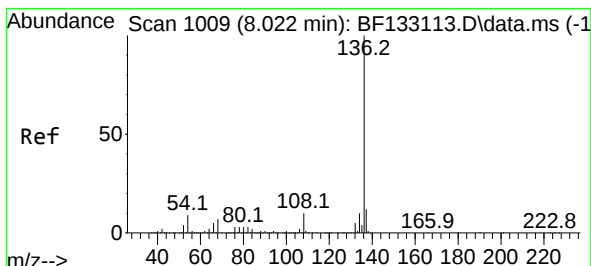
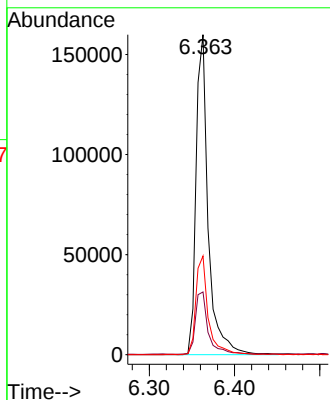
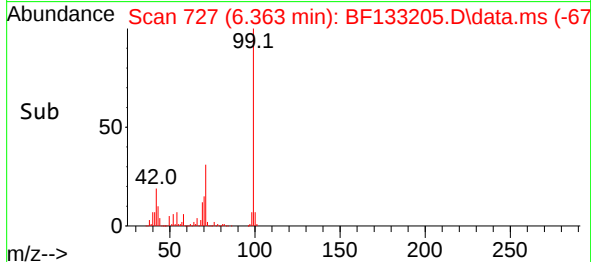
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL



Tgt Ion: 99 Resp: 157760
Ion Ratio Lower Upper
99 100
42 19.6 16.3 24.5
71 30.9 25.6 38.4

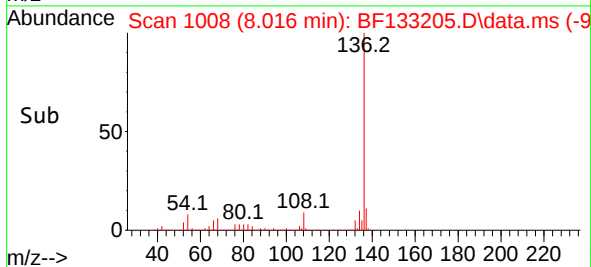
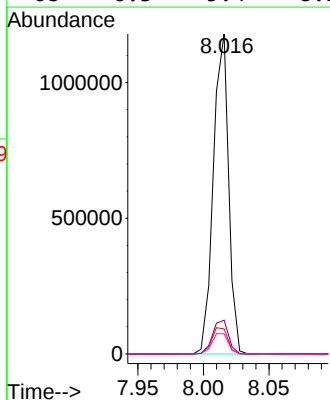
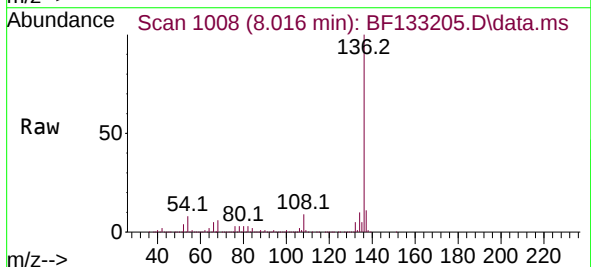
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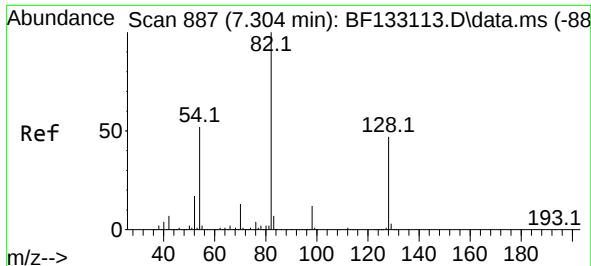
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Tgt Ion:136 Resp: 953792
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.8 7.0 10.4
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 5.512 ng

RT: 7.286 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RBR-251671DL

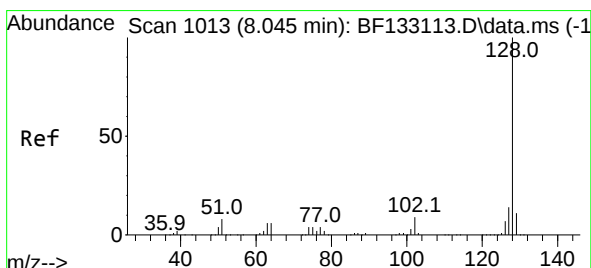
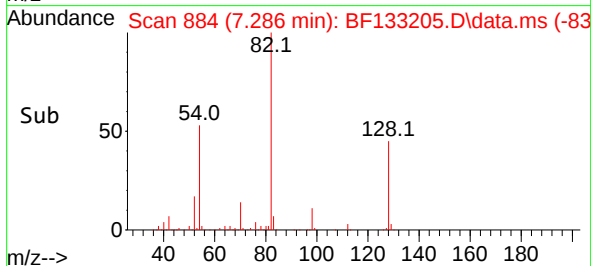
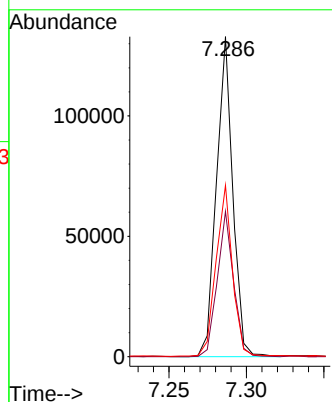
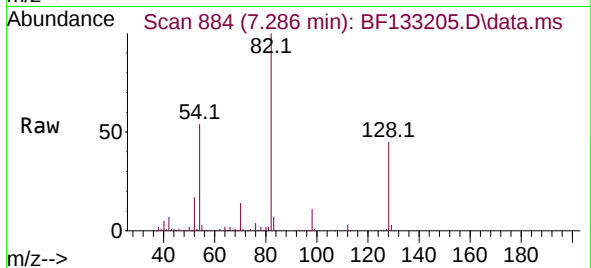
Tgt Ion: 82 Resp: 97392

Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.7	56.5
54	53.6	43.0	64.4

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#31

Naphthalene

Concen: 2.044 ng

RT: 8.033 min Scan# 1011

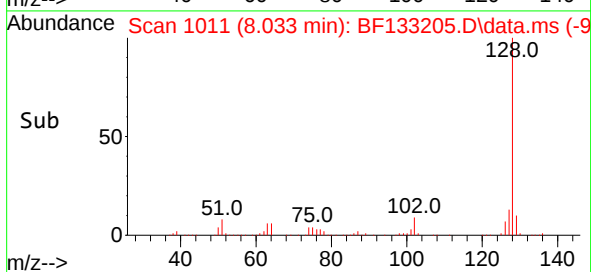
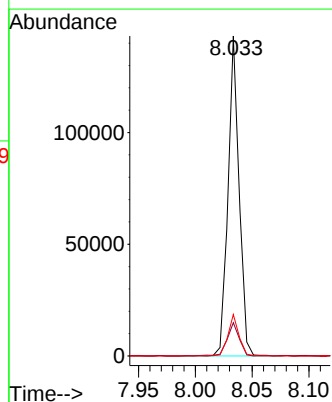
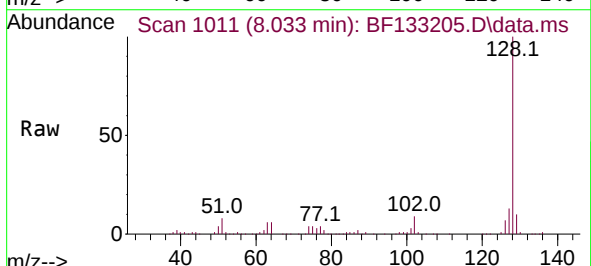
Delta R.T. -0.006 min

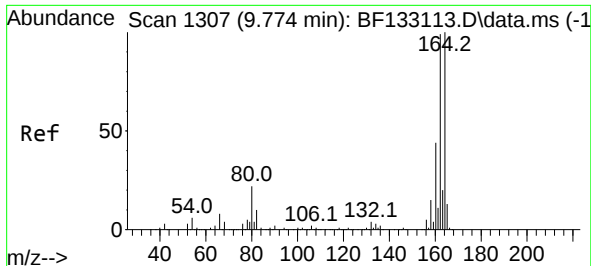
Lab File: BF133205.D

Acq: 03 May 2023 14:06

Tgt Ion:128 Resp: 97482

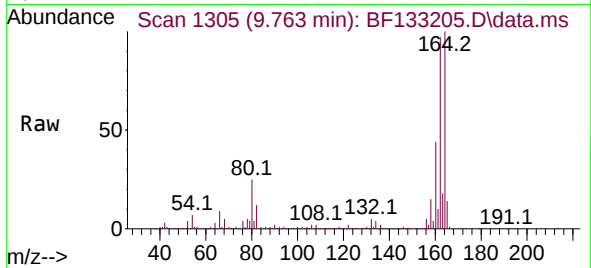
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.0	10.7	16.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

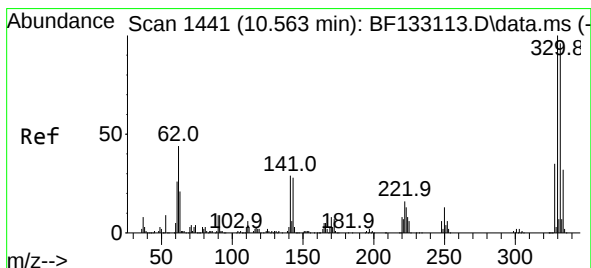
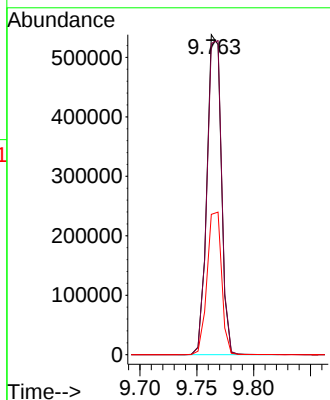
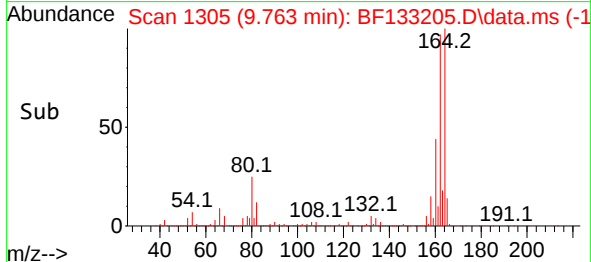
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:164 Resp: 472560
Ion Ratio Lower Upper
164 100
162 97.3 78.7 118.1
160 43.9 35.8 53.6

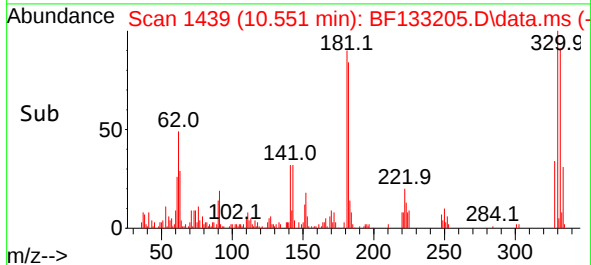
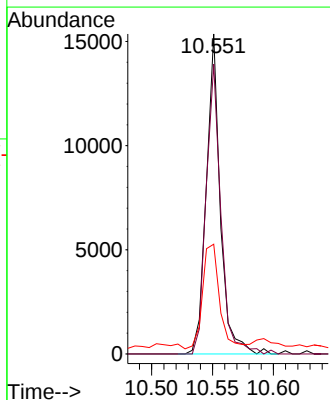
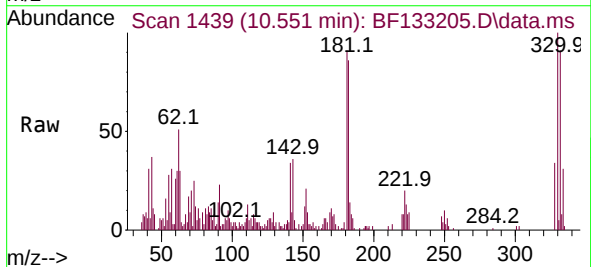
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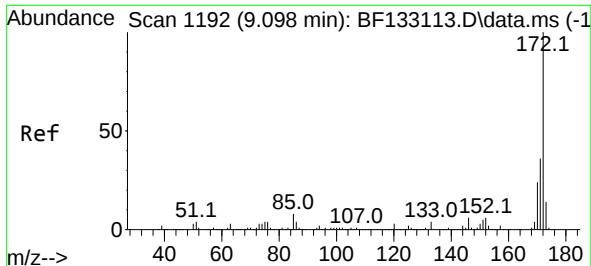
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#42
2,4,6-Tribromophenol
Concen: 2.577 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Tgt Ion:330 Resp: 12246
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 39.5 25.8 38.8#





#45

2-Fluorobiphenyl

Concen: 7.321 ng

RT: 9.086 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF133205.D

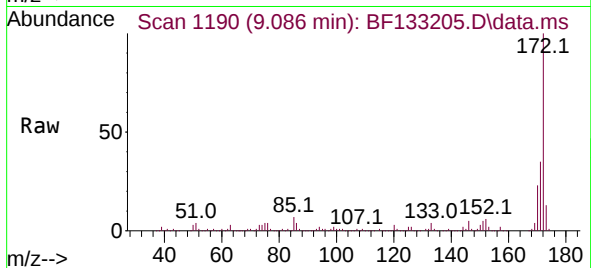
Acq: 03 May 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RBR-251671DL



Tgt Ion:172 Resp: 20679

Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

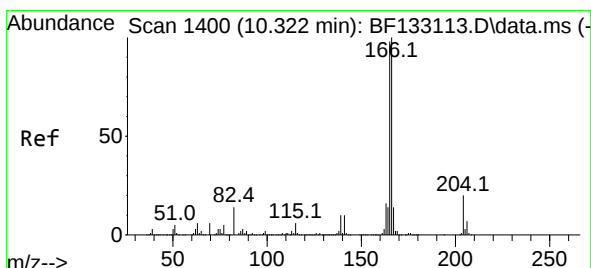
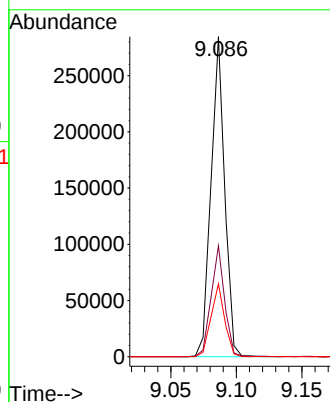
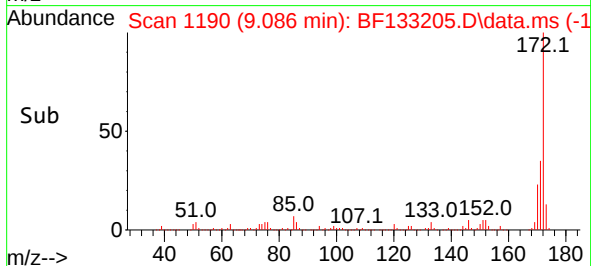
170 22.8 19.4 29.2

Manual Integrations

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#58

Fluorene

Concen: 2.662 ng

RT: 10.310 min Scan# 1398

Delta R.T. -0.006 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

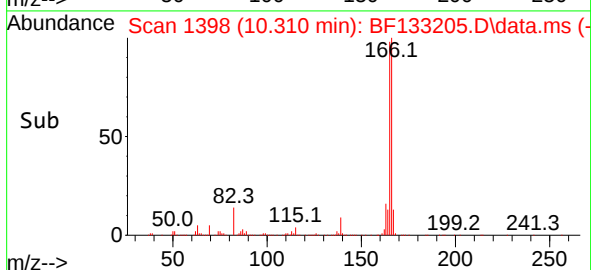
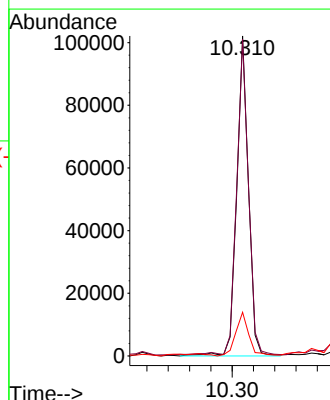
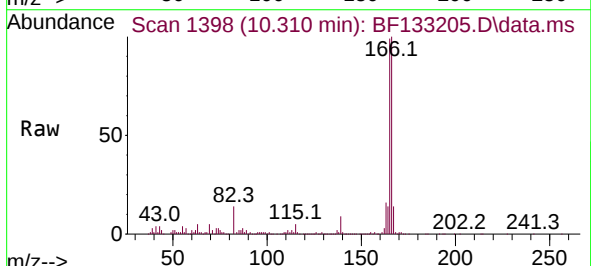
Tgt Ion:166 Resp: 78096

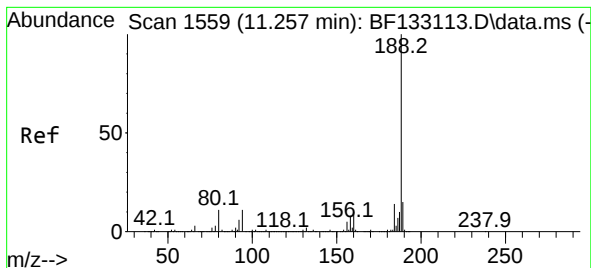
Ion Ratio Lower Upper

166 100

165 98.9 78.6 117.8

167 13.7 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1558

Delta R.T. -0.000 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RBR-251671DL

Tgt Ion:188 Resp: 746494

Ion Ratio Lower Upper

188 100

94 10.0 9.7 14.5

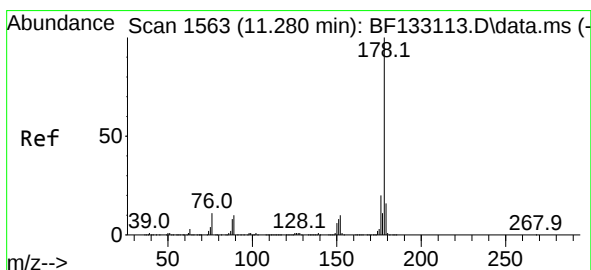
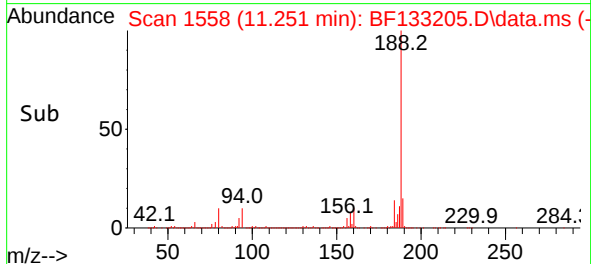
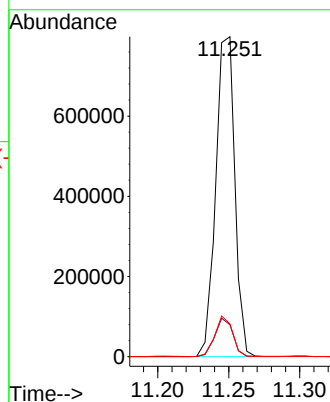
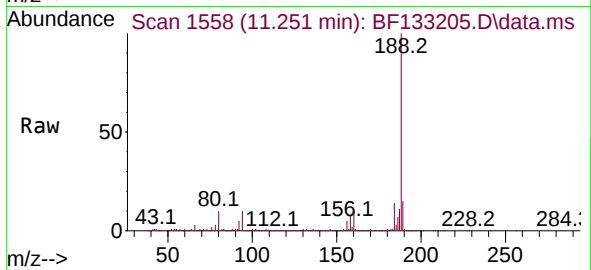
80 10.2 10.4 15.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/04/2023



#71

Phenanthrene

Concen: 19.114 ng

RT: 11.274 min Scan# 1562

Delta R.T. -0.000 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

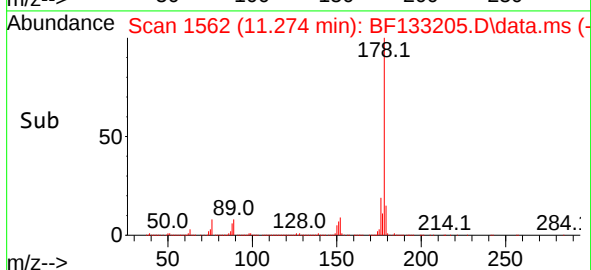
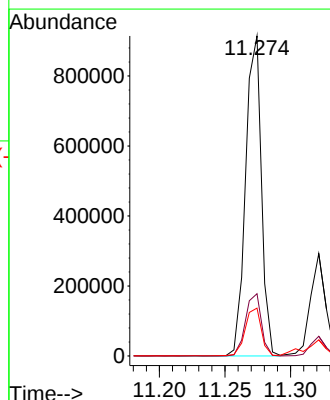
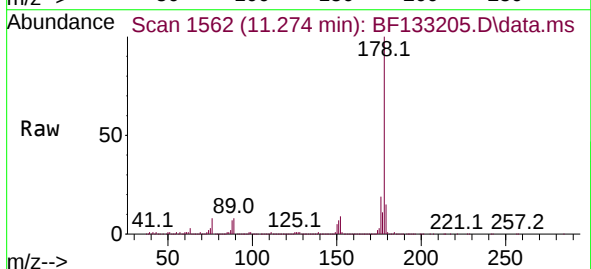
Tgt Ion:178 Resp: 766903

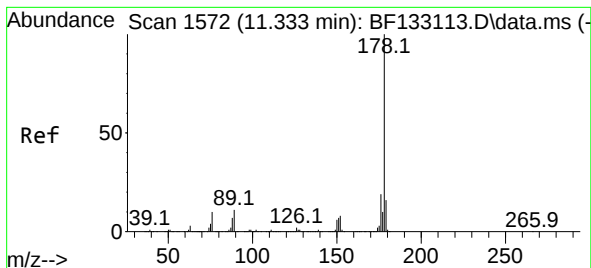
Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

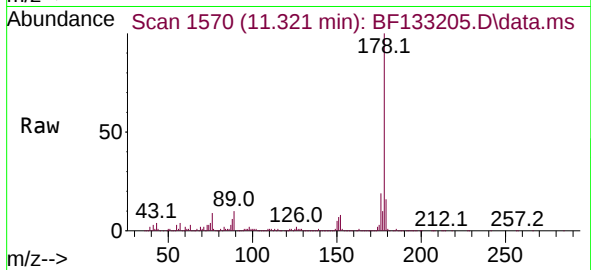
179 14.9 12.5 18.7





#72
 Anthracene
 Concen: 5.566 ng
 RT: 11.321 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133205.D
 Acq: 03 May 2023 14:06

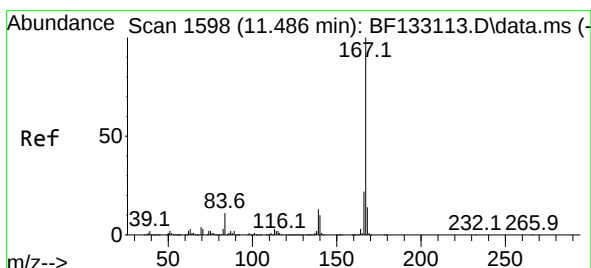
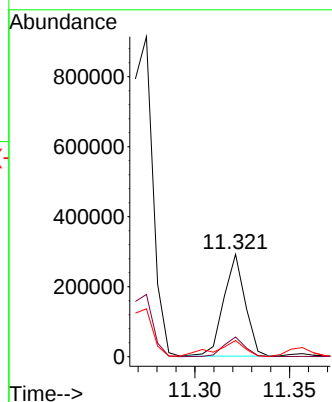
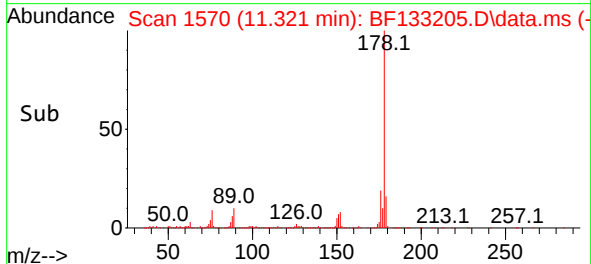
Instrument :
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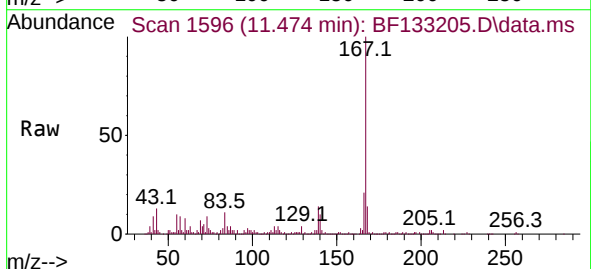
Tgt Ion:178 Resp: 22853
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 15.9 12.4 18.6

Manual Integrations
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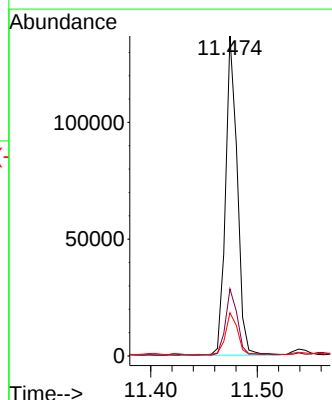
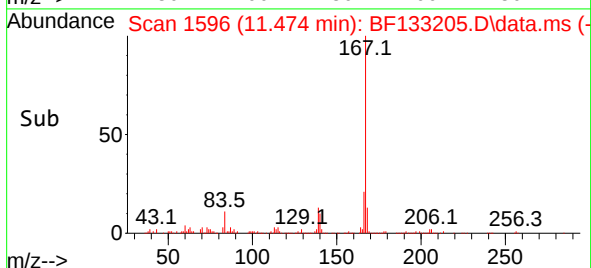
Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023

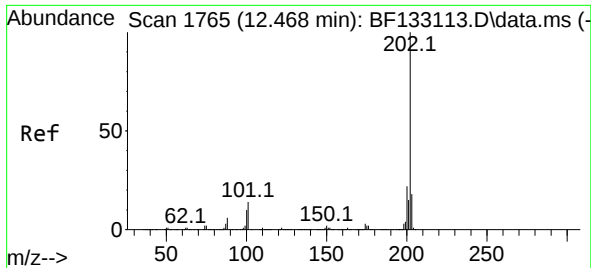


#73
 Carbazole
 Concen: 2.845 ng
 RT: 11.474 min Scan# 1596
 Delta R.T. -0.012 min
 Lab File: BF133205.D
 Acq: 03 May 2023 14:06



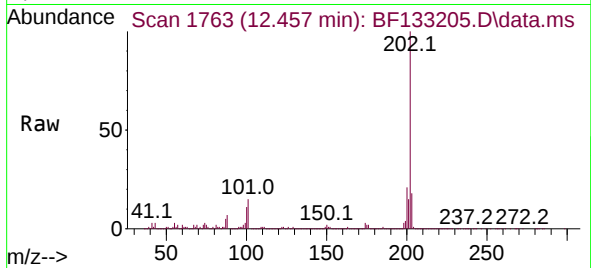
Tgt Ion:167 Resp: 104030
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.4 26.0
 139 13.5 10.6 16.0





#75
Fluoranthene
Concen: 23.006 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

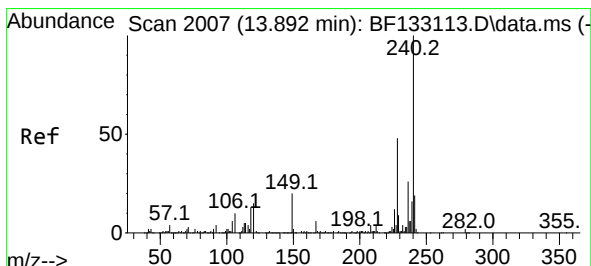
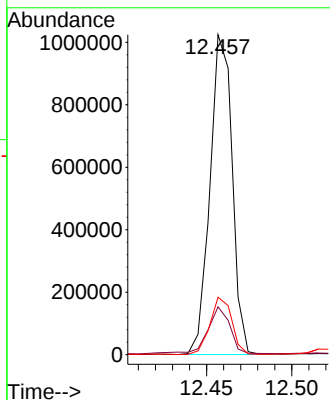
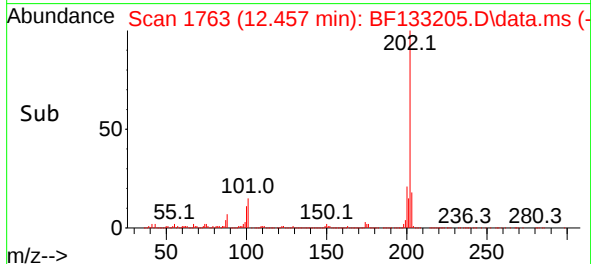
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL



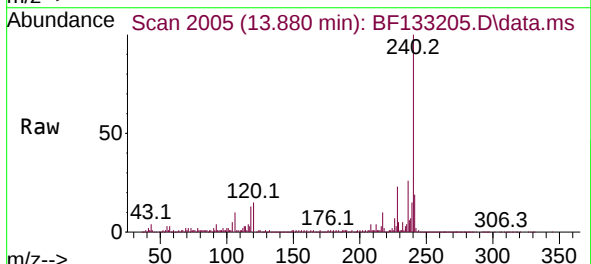
Tgt Ion:202 Resp: 926370
Ion Ratio Lower Upper
202 100
101 15.0 0.0 35.3
203 18.0 0.0 38.1

Manual Integrations
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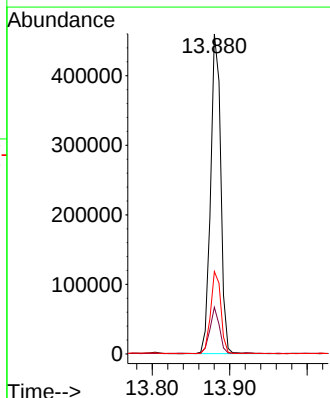
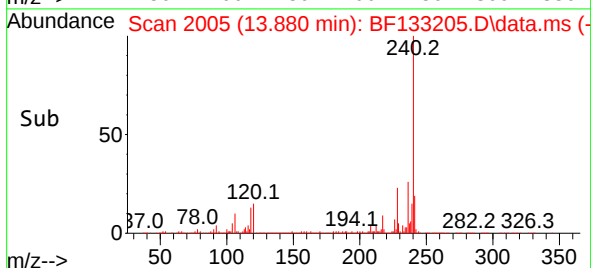
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

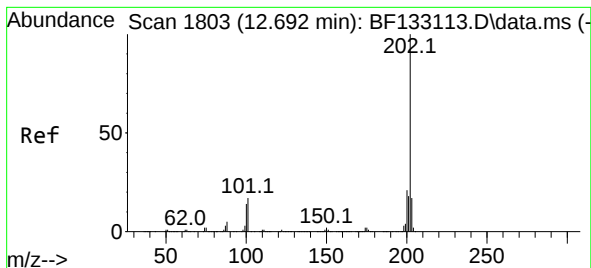


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06



Tgt Ion:240 Resp: 416992
Ion Ratio Lower Upper
240 100
120 14.6 10.5 15.7
236 25.8 21.5 32.3





#78

Pyrene

Concen: 23.041 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Instrument :

BNA_F

ClientSampleId :

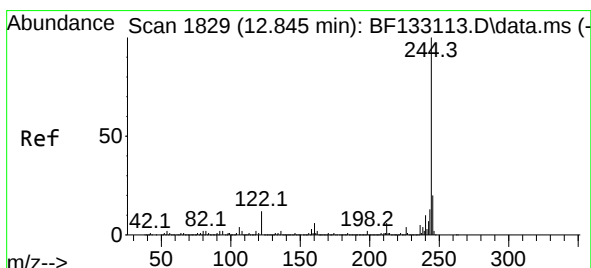
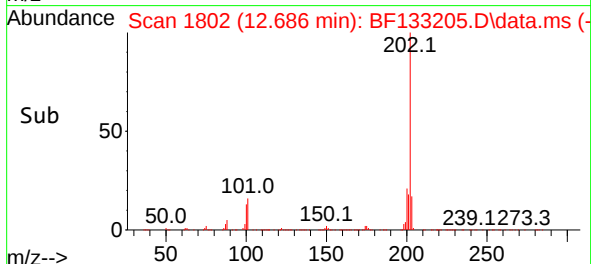
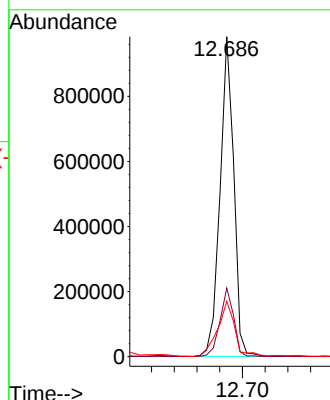
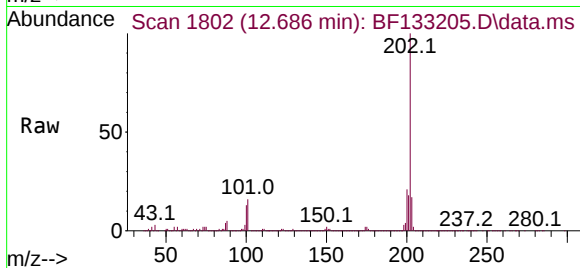
RBR-251671DL

Tgt Ion:	202	Resp:	82361
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.1	25.7
203	17.3	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#79

Terphenyl-d14

Concen: 6.152 ng

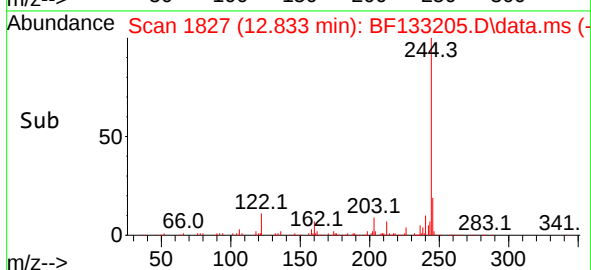
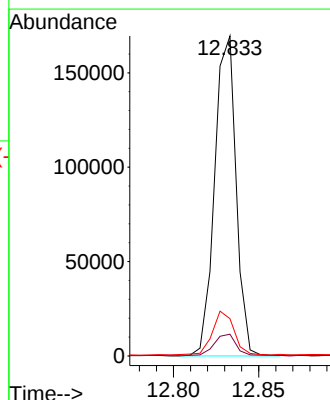
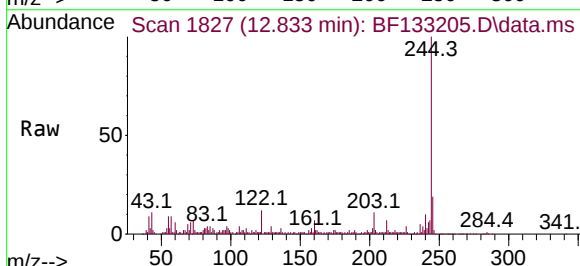
RT: 12.833 min Scan# 1827

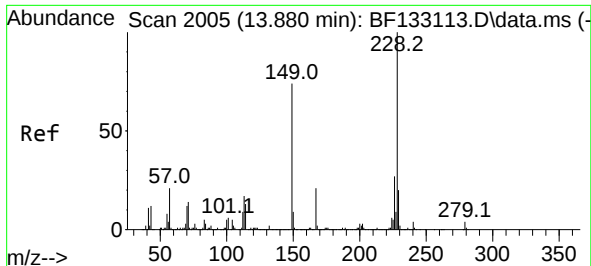
Delta R.T. -0.006 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Tgt Ion:	244	Resp:	148755
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.1	7.7
122	11.6	8.6	13.0





#81
Benzo(a)anthracene
Concen: 10.165 ng
RT: 13.874 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Instrument :

BNA_F

ClientSampleId :

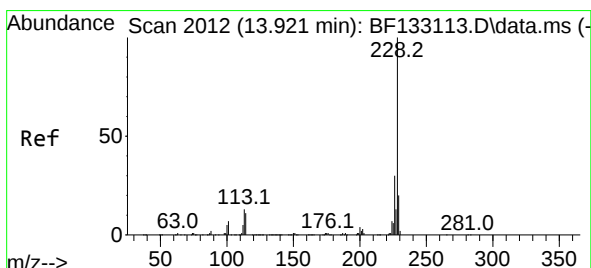
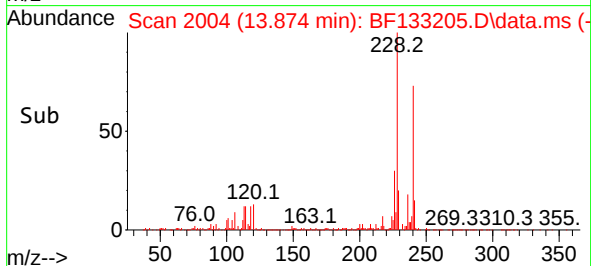
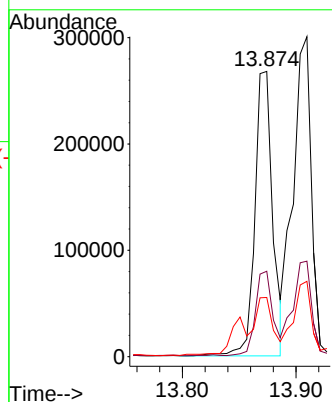
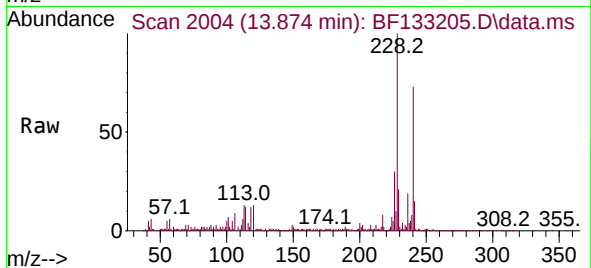
RBR-251671DL

Tgt Ion:228 Resp: 29149
Ion Ratio Lower Upper
228 100
226 29.9 22.2 33.4
229 20.8 16.0 24.0

Manual Integrations

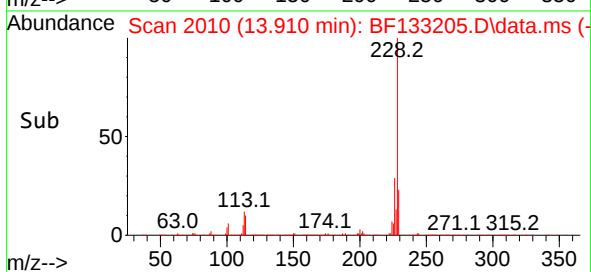
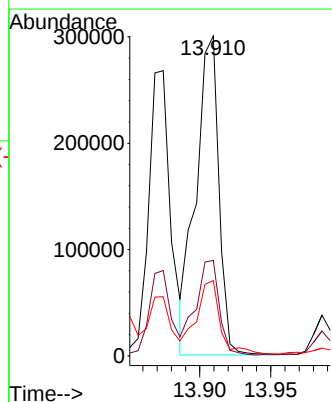
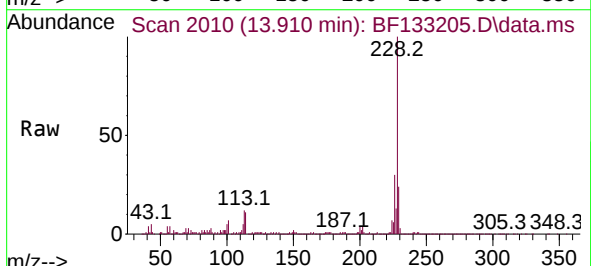
APPROVED

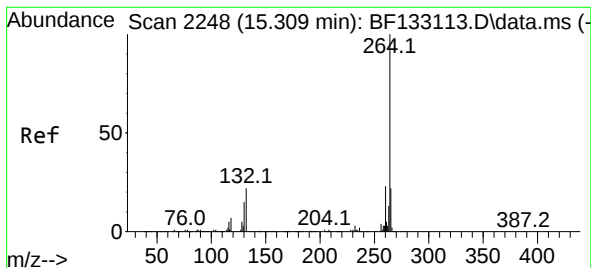
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#83
Chrysene
Concen: 11.797 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

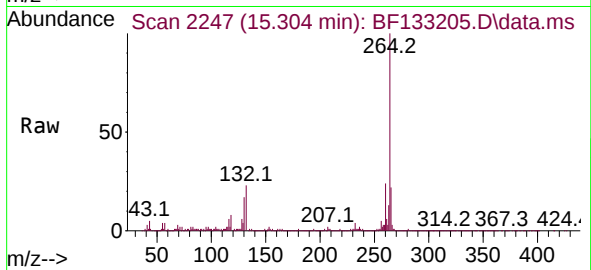
Tgt Ion:228 Resp: 338209
Ion Ratio Lower Upper
228 100
226 29.9 24.7 37.1
229 23.6 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

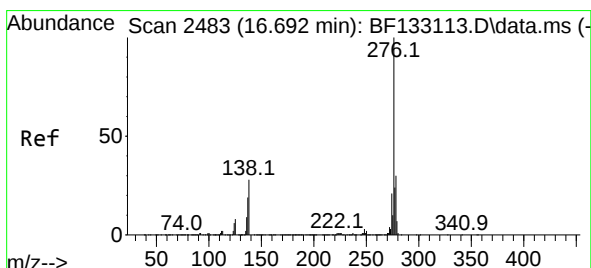
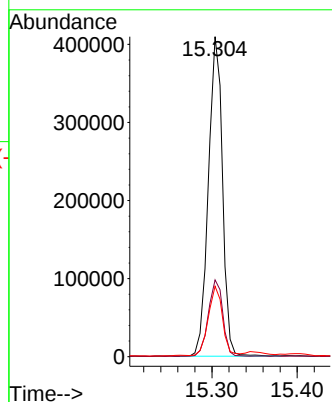
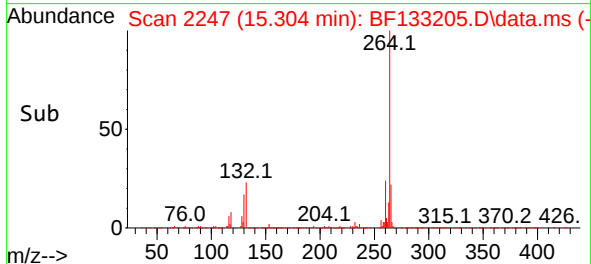
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL



Tgt Ion:264 Resp: 469390
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 22.0 17.0 25.4

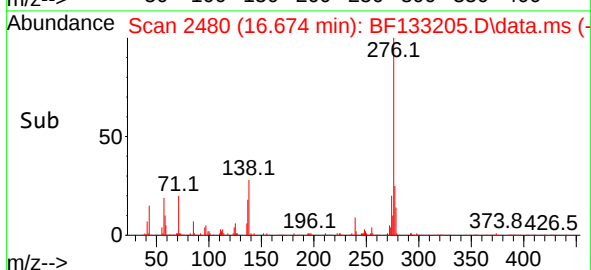
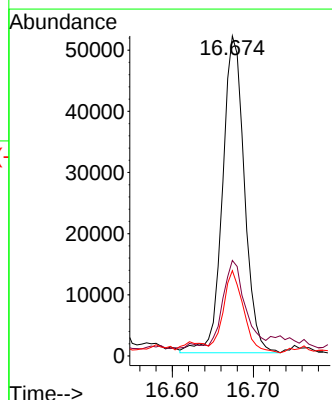
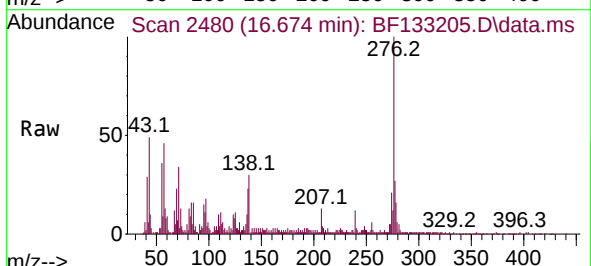
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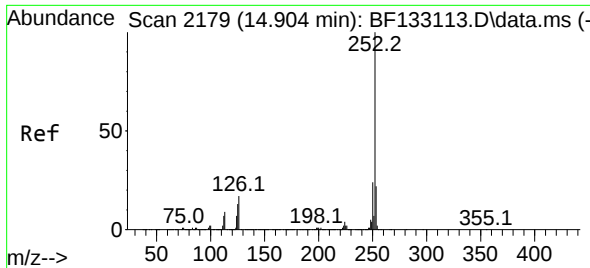
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.637 ng
RT: 16.674 min Scan# 2480
Delta R.T. -0.018 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

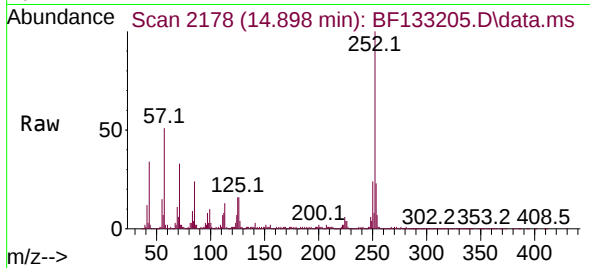
Tgt Ion:276 Resp: 97107
Ion Ratio Lower Upper
276 100
138 28.7 25.5 38.3
277 24.1 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 13.951 ng m
RT: 14.898 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

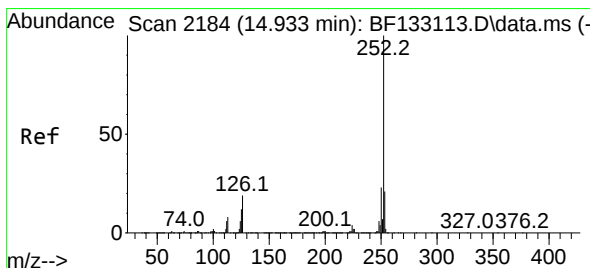
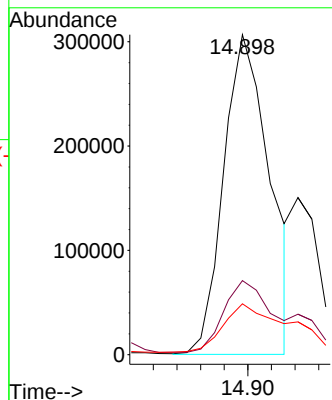
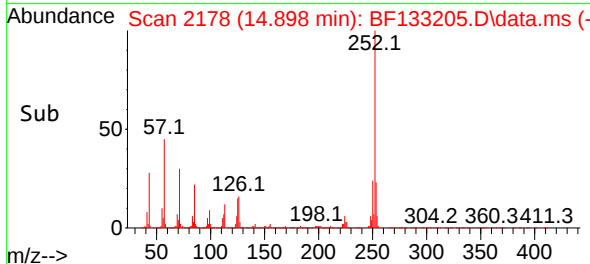
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL



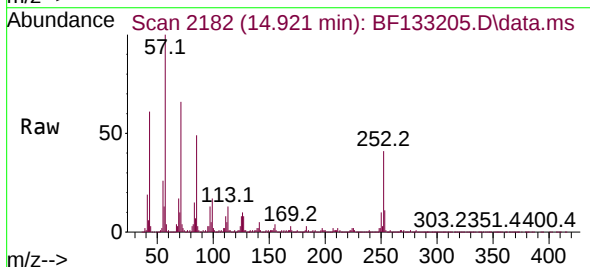
Tgt Ion:252 Resp: 416604
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 15.9 8.9 13.3

Manual Integrations
APPROVED

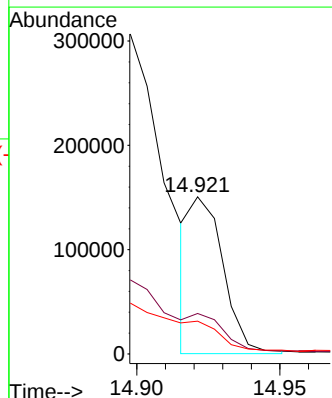
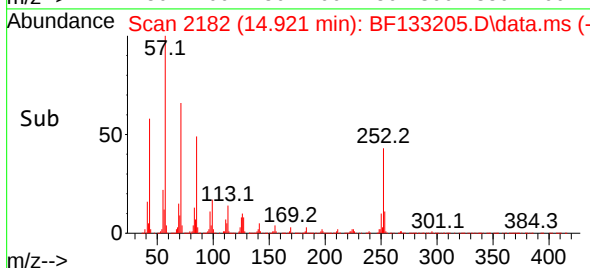
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

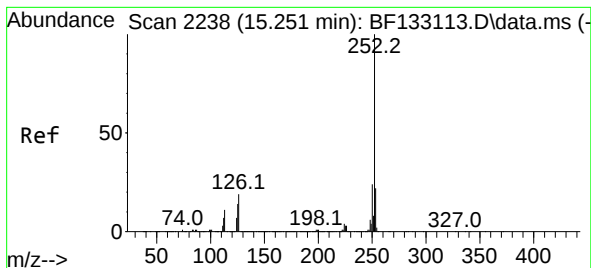


#89
Benzo(k)fluoranthene
Concen: 4.055 ng m
RT: 14.921 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06



Tgt Ion:252 Resp: 120042
Ion Ratio Lower Upper
252 100
253 25.8 17.7 26.5
125 20.8 9.0 13.4





#90

Benzo(a)pyrene

Concen: 7.747 ng

RT: 15.245 min Scan# 21058

Delta R.T. -0.006 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Instrument :

BNA_F

ClientSampleId :

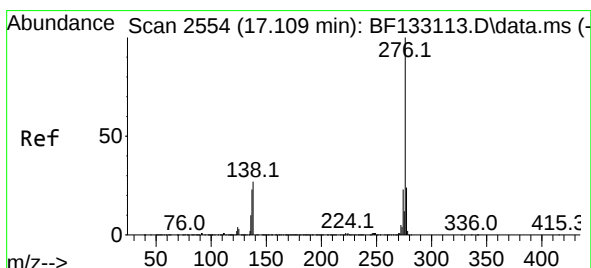
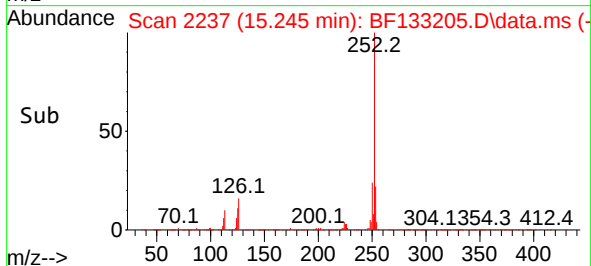
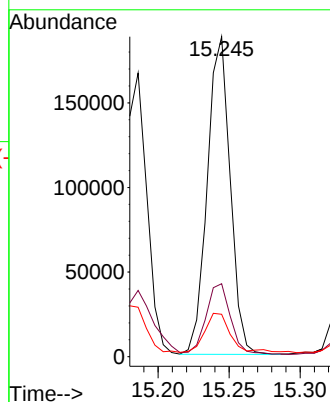
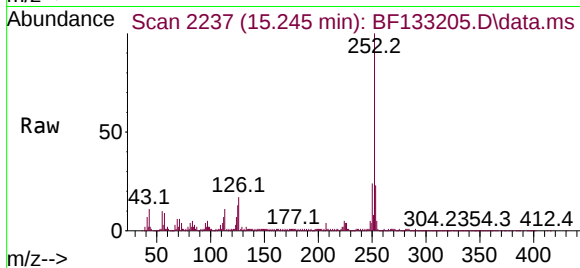
RBR-251671DL

Tgt Ion:	252	Resp:	21058
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.7	26.5
125	13.2	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#92

Benzo(g,h,i)perylene

Concen: 3.668 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.012 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Tgt Ion:	276	Resp:	80652
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.4	29.0
138	30.5	22.7	34.1

