

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132631.D
 Acq On : 03 Mar 2023 16:28
 Operator : CG\JU
 Sample : 01767-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CE-63-030123

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/06/2023
 Supervised By : Jagrut Upadhyay 03/06/2023

Quant Time: Mar 04 02:18:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	182348	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	608685	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	274082	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	430136	20.000	ng	0.00
76) Chrysene-d12	14.210	240	374706	20.000	ng	0.00
86) Perylene-d12	15.763	264	456200	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	896560	79.797	ng	0.00
7) Phenol-d6	6.622	99	1092512	74.507	ng	-0.01
23) Nitrobenzene-d5	7.563	82	686274	53.492	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	202452	68.397	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1054775	58.598	ng	-0.01
79) Terphenyl-d14	13.133	244	979558	44.200	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.075	154	59883	3.603	ng	98
58) Fluorene	10.592	166	64628	3.487	ng	97
71) Phenanthrene	11.569	178	1023027	45.910	ng	99
72) Anthracene	11.616	178	355558	15.495	ng	99
75) Fluoranthene	12.769	202	2112257	86.710	ng	99
78) Pyrene	13.004	202	2250952	66.074	ng	99
81) Benzo(a)anthracene	14.198	228	1362597	48.601	ng	96
83) Chrysene	14.233	228	1080563	41.215	ng	97
87) Indeno(1,2,3-cd)pyrene	17.362	276	640539	21.428	ng	96
88) Benzo(b)fluoranthene	15.304	252	1709773m	55.926	ng	
89) Benzo(k)fluoranthene	15.327	252	475650m	15.897	ng	
90) Benzo(a)pyrene	15.704	252	1314418	45.938	ng	97
91) Dibenzo(a,h)anthracene	17.374	278	158336	6.501	ng	95
92) Benzo(g,h,i)perylene	17.857	276	616372	23.255	ng	98

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

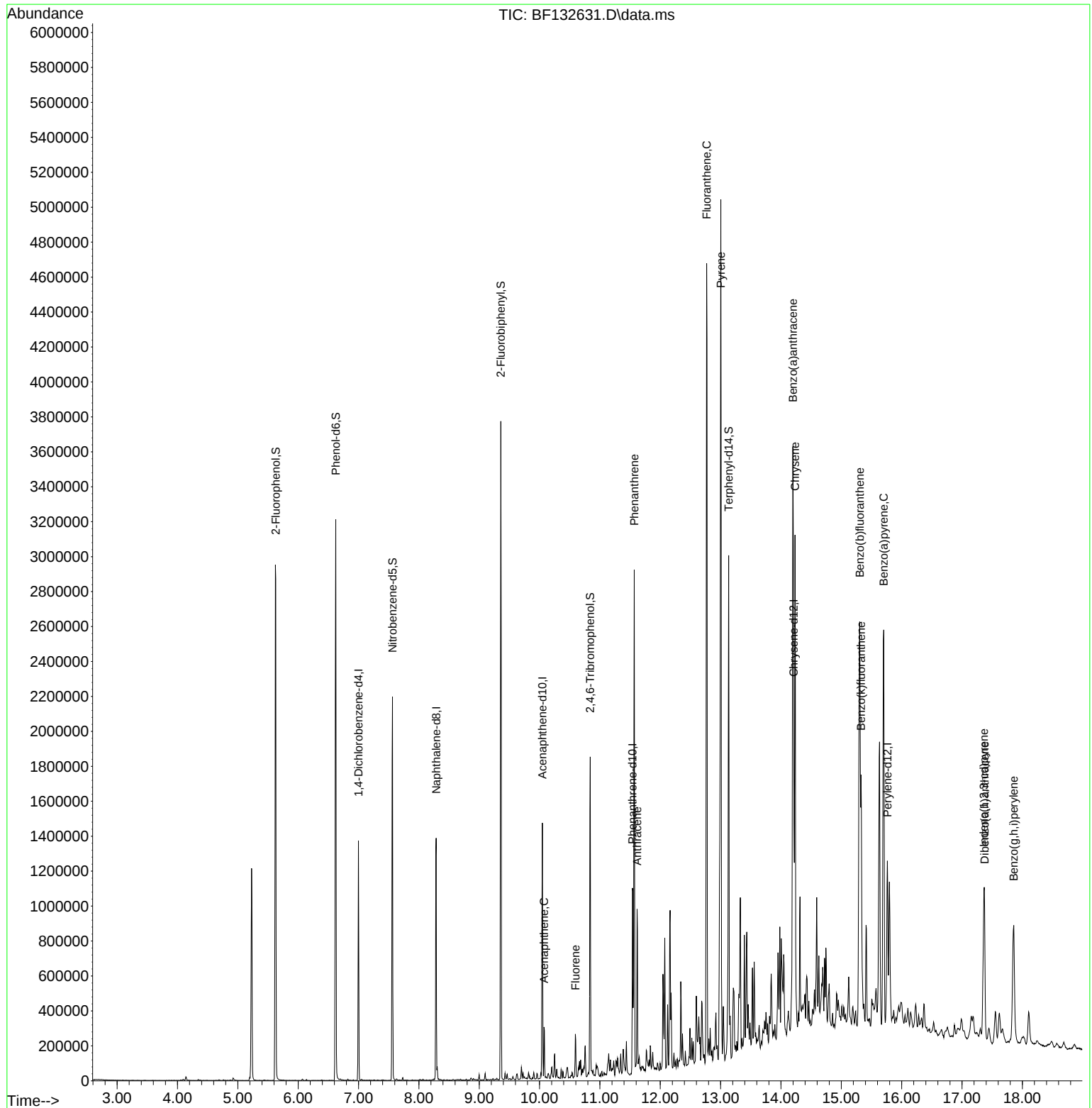
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
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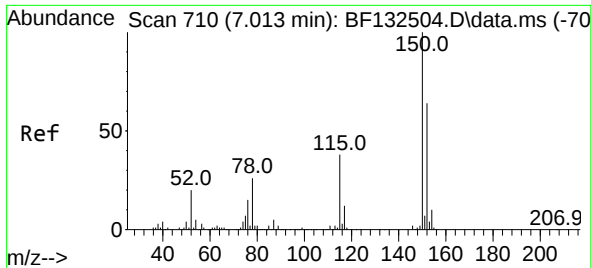
Instrument :
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Quant Time: Mar 04 02:18:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
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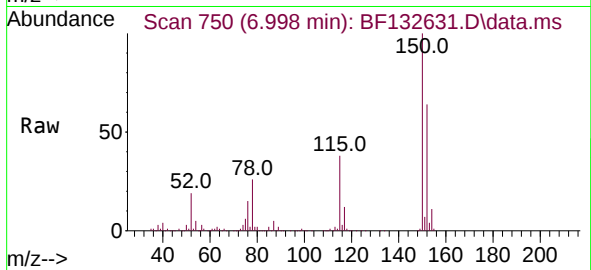
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

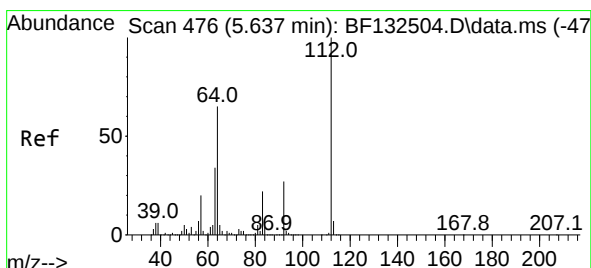
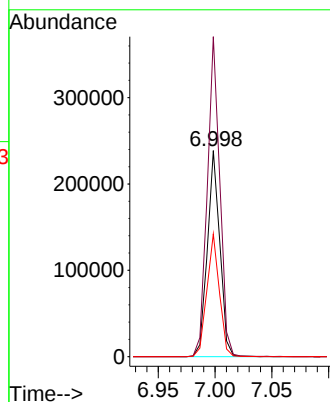
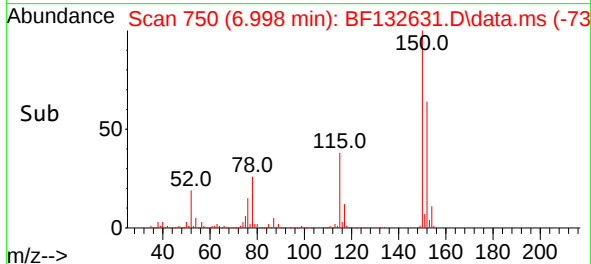
Instrument :
BNA_F
ClientSampleId :
CE-63-030123



Tgt Ion:152 Resp: 182348
Ion Ratio Lower Upper
152 100
150 155.3 125.4 188.2
115 59.6 47.8 71.6

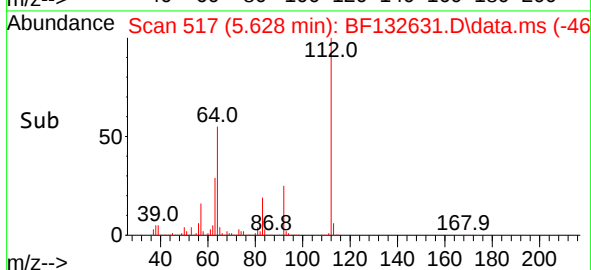
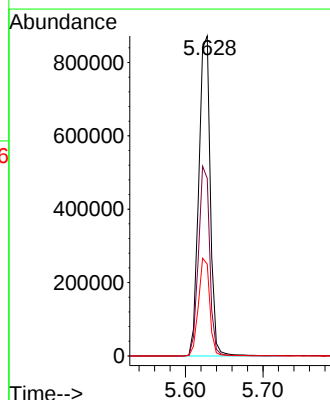
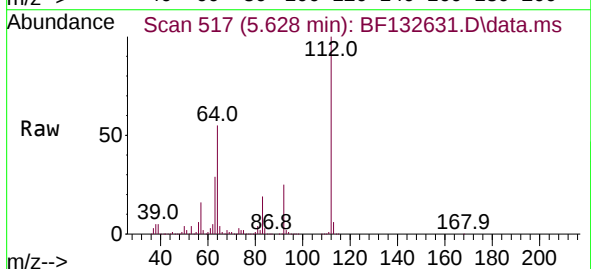
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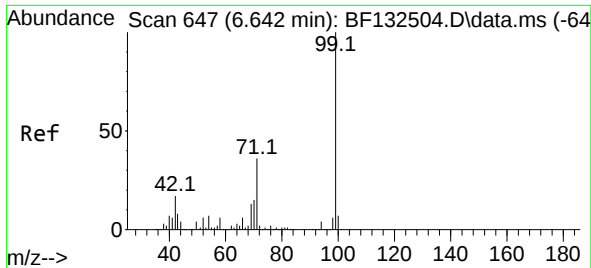
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#5
2-Fluorophenol
Concen: 79.797 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

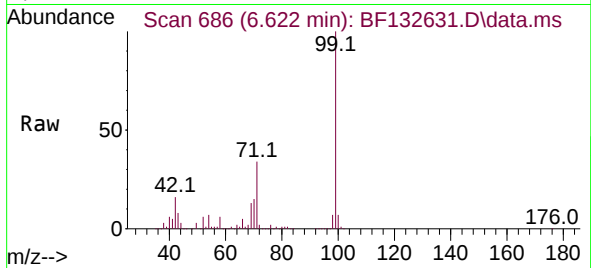
Tgt Ion:112 Resp: 896560
Ion Ratio Lower Upper
112 100
64 55.5 51.6 77.4
63 28.7 27.4 41.2





#7
Phenol-d6
Concen: 74.507 ng
RT: 6.622 min Scan# 68
Delta R.T. -0.015 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

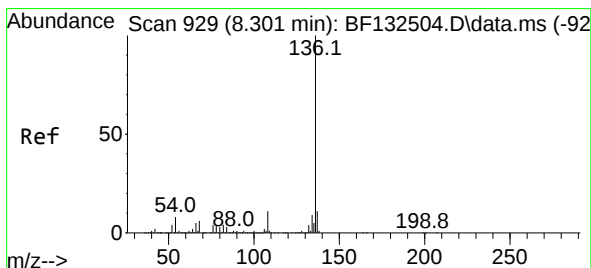
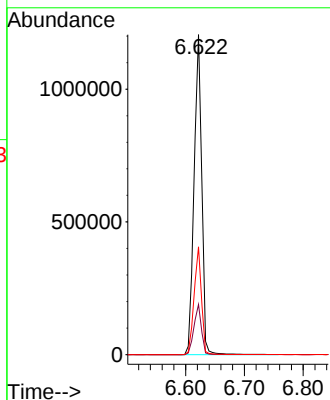
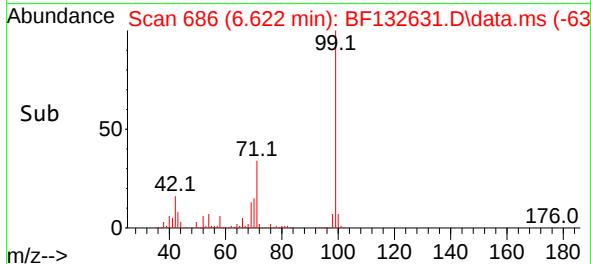
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ClientSampleId :
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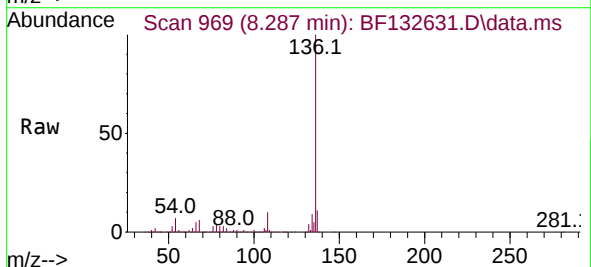
Tgt Ion: 99 Resp: 1092512
Ion Ratio Lower Upper
99 100
42 15.7 13.9 20.9
71 33.7 28.5 42.7

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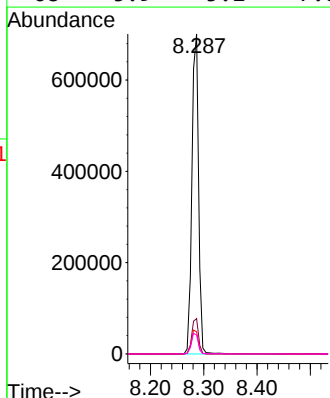
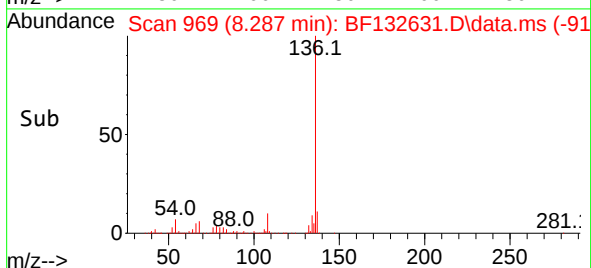
Reviewed By :Christian Giraldo 03/06/2023
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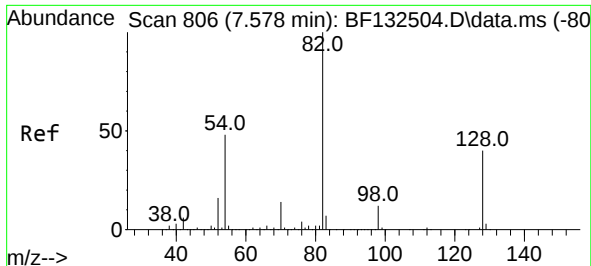


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28



Tgt Ion:136 Resp: 608685
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.9 6.2 9.4
68 5.9 5.2 7.8





#23
Nitrobenzene-d5
Concen: 53.492 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Instrument :

BNA_F

ClientSampleId :

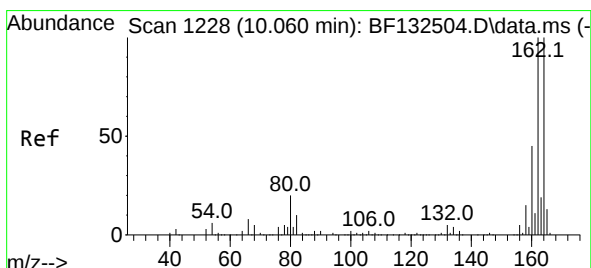
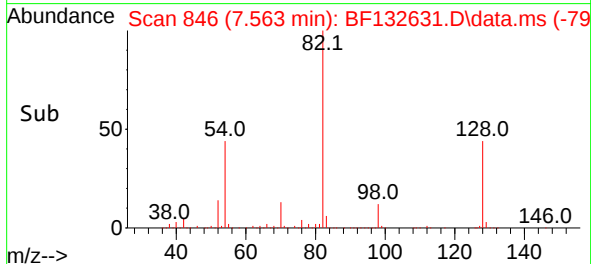
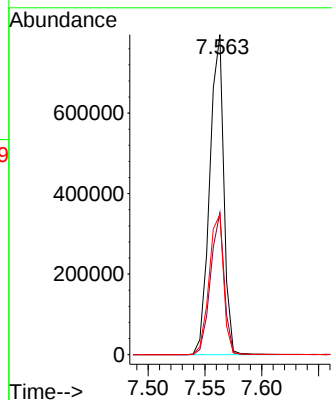
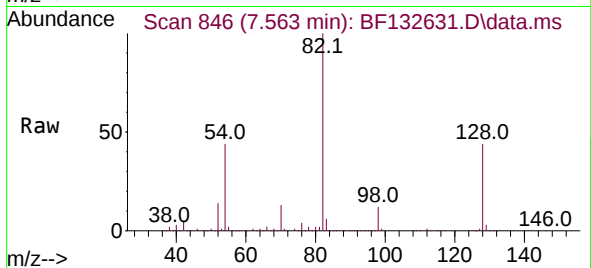
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Tgt Ion: 82 Resp: 686274
Ion Ratio Lower Upper
82 100
128 44.3 32.2 48.2
54 43.8 38.4 57.6

Manual Integrations

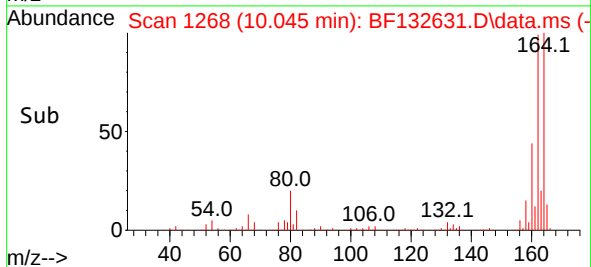
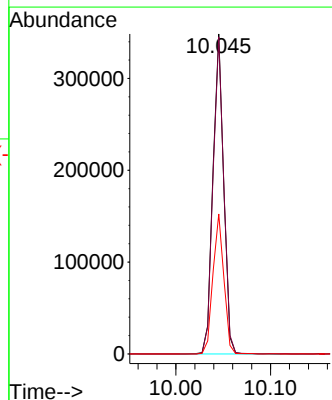
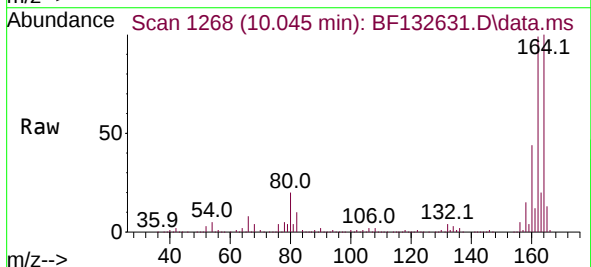
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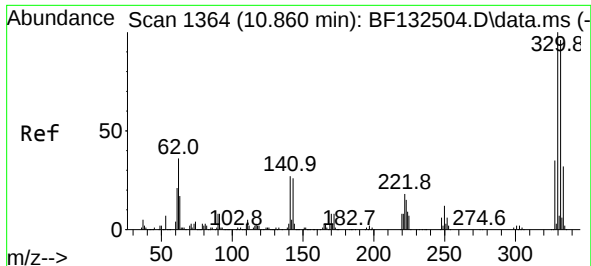
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:164 Resp: 274082
Ion Ratio Lower Upper
164 100
162 99.1 79.8 119.8
160 43.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 68.397 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Instrument :

BNA_F

ClientSampleId :

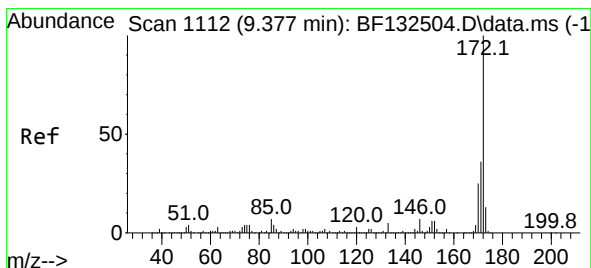
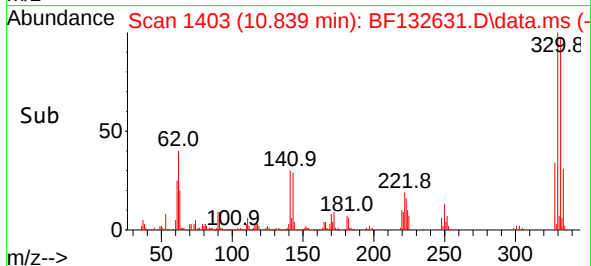
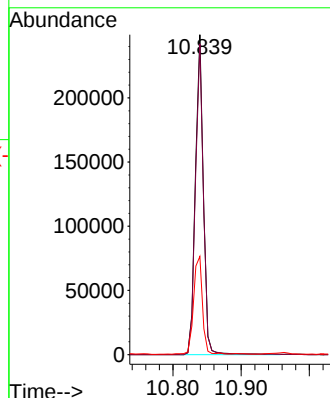
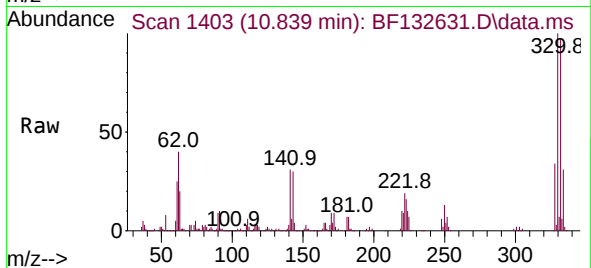
CE-63-030123

Tgt Ion: 330 Resp: 202452
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 34.1 28.4 42.6

Manual Integrations

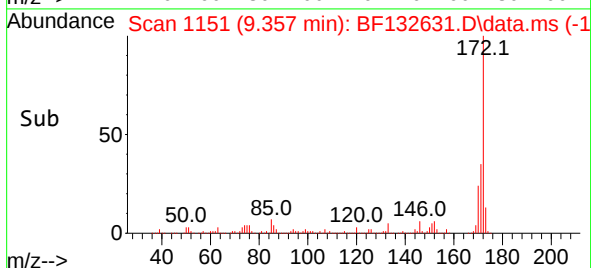
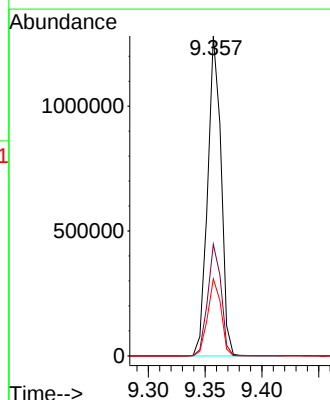
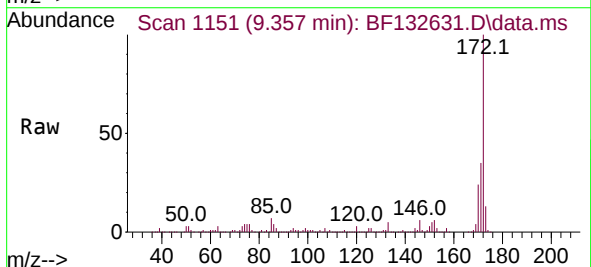
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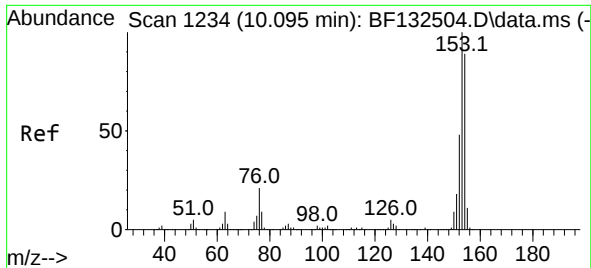
Reviewed By : Christian Giraldo 03/06/2023
Supervised By : Jagrut Upadhyay 03/06/2023



#45
2-Fluorobiphenyl
Concen: 58.598 ng
RT: 9.357 min Scan# 1151
Delta R.T. -0.015 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion: 172 Resp: 1054775
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 24.1 19.7 29.5





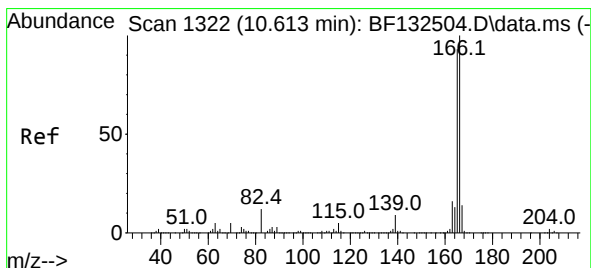
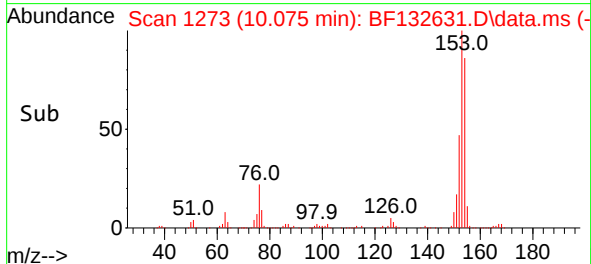
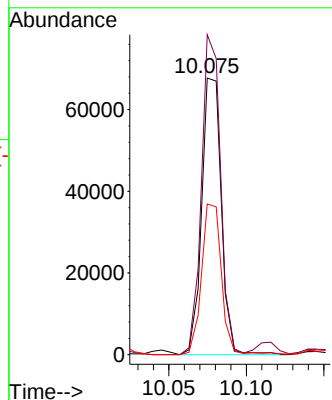
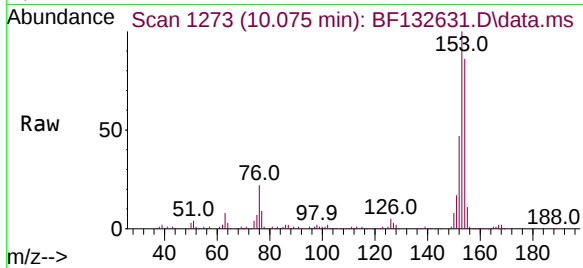
#52
Acenaphthene
Concen: 3.603 ng
RT: 10.075 min Scan# 11
Delta R.T. -0.015 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Instrument :
BNA_F
ClientSampleId :
CE-63-030123

Tgt Ion:154 Resp: 59883
Ion Ratio Lower Upper
154 100
153 115.7 89.8 134.8
152 54.5 43.3 64.9

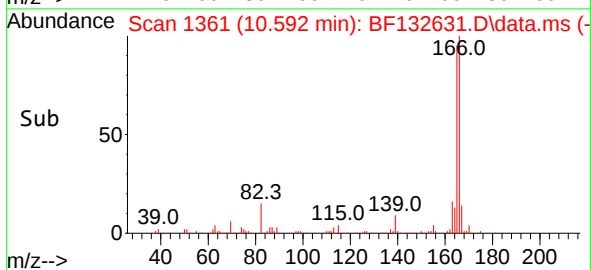
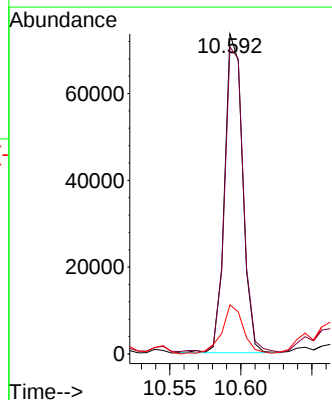
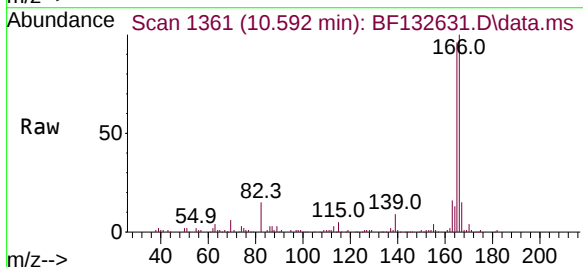
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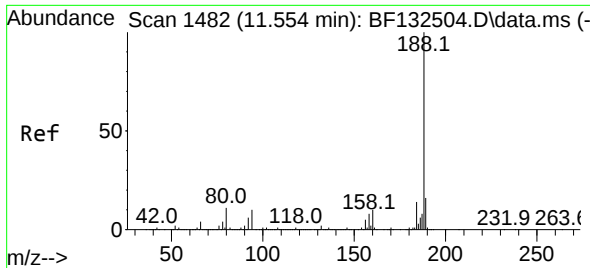
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#58
Fluorene
Concen: 3.487 ng
RT: 10.592 min Scan# 1361
Delta R.T. -0.015 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:166 Resp: 64628
Ion Ratio Lower Upper
166 100
165 95.9 74.2 111.4
167 15.3 11.1 16.7





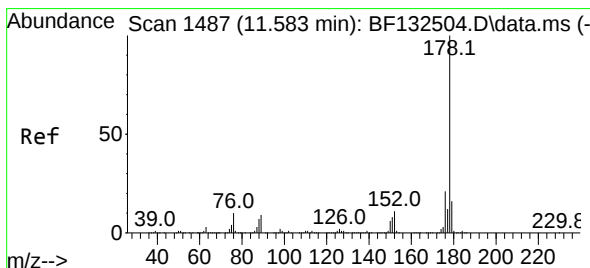
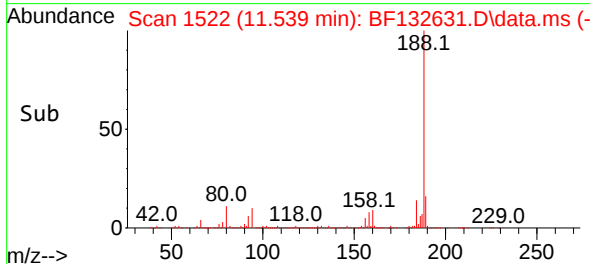
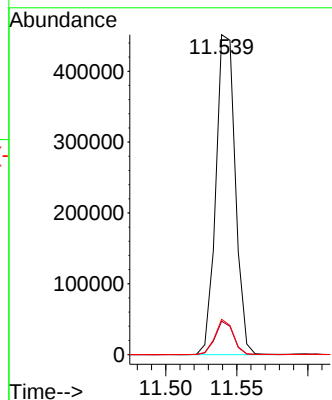
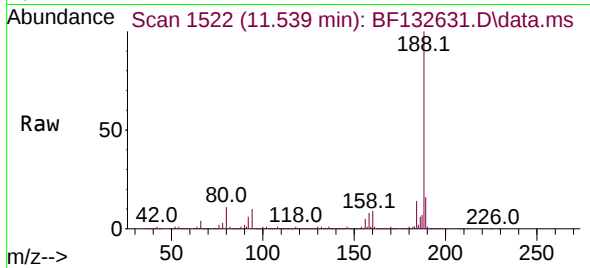
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 1152
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Instrument :
BNA_F
ClientSampleId :
CE-63-030123

Tgt Ion:188 Resp: 430136
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 11.1 8.7 13.1

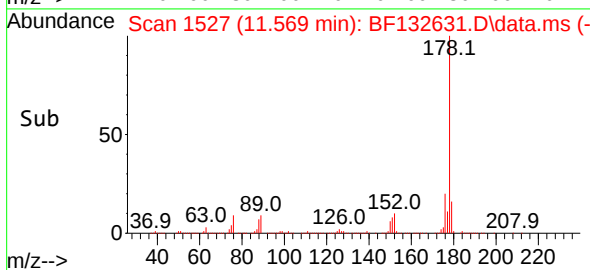
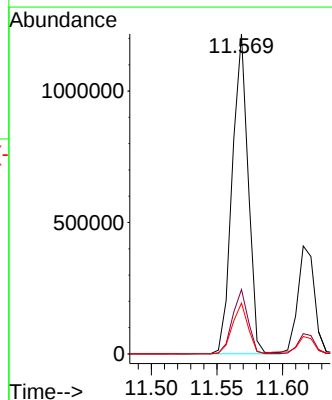
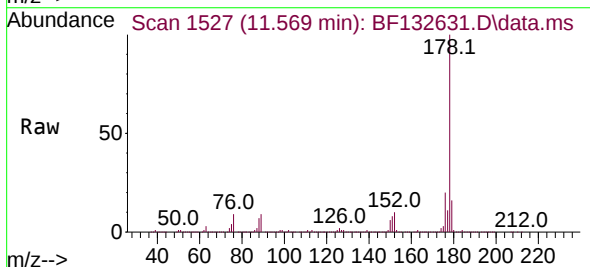
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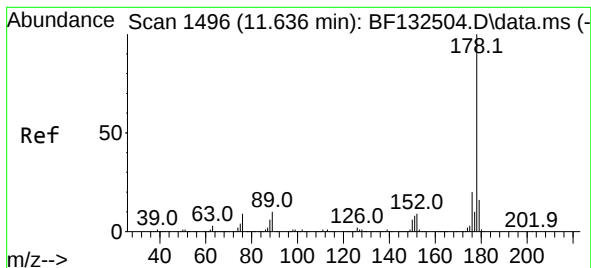
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#71
Phenanthrene
Concen: 45.910 ng
RT: 11.569 min Scan# 1527
Delta R.T. -0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:178 Resp: 1023027
Ion Ratio Lower Upper
178 100
176 20.1 16.5 24.7
179 15.9 13.0 19.6





#72

Anthracene

Concen: 15.495 ng

RT: 11.616 min Scan# 11

Delta R.T. -0.015 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

Instrument :

BNA_F

ClientSampleId :

CE-63-030123

Tgt Ion:178 Resp: 355558

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

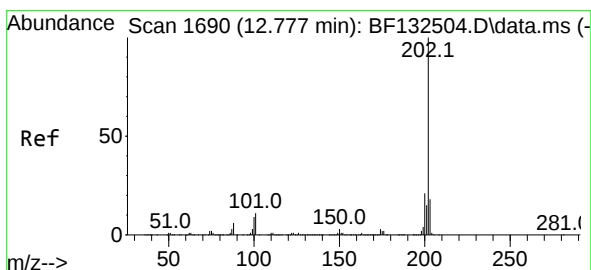
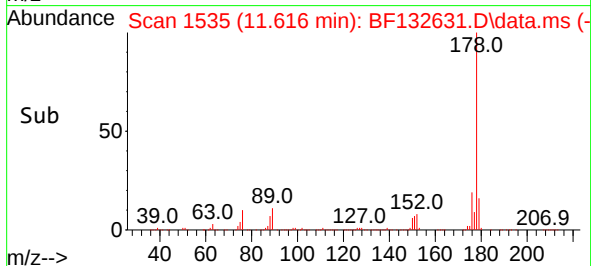
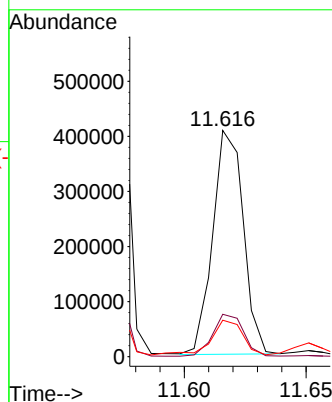
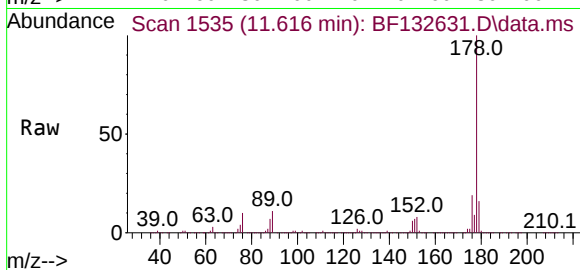
179 16.1 12.5 18.7

Manual Integrations

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Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#75

Fluoranthene

Concen: 86.710 ng

RT: 12.769 min Scan# 1731

Delta R.T. -0.003 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

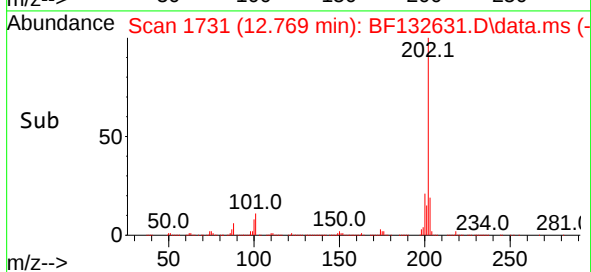
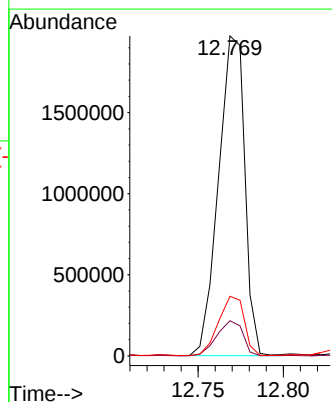
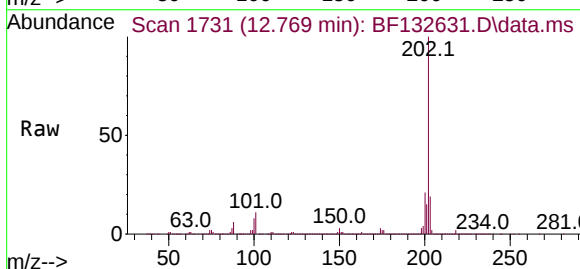
Tgt Ion:202 Resp: 2112257

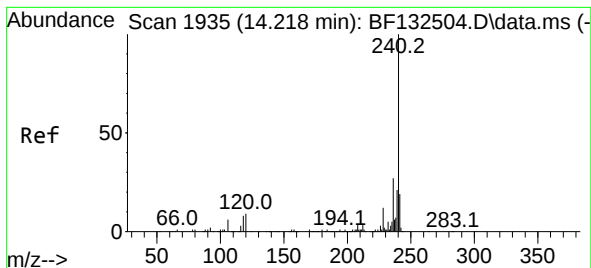
Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

203 18.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.210 min Scan# 1935

Delta R.T. 0.003 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

Instrument :

BNA_F

ClientSampleId :

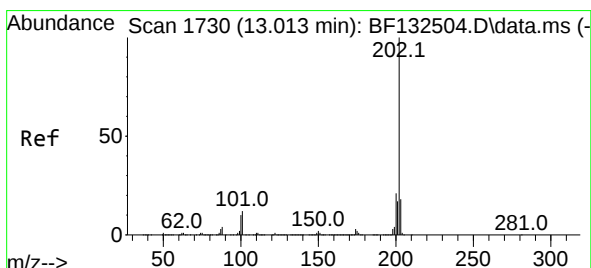
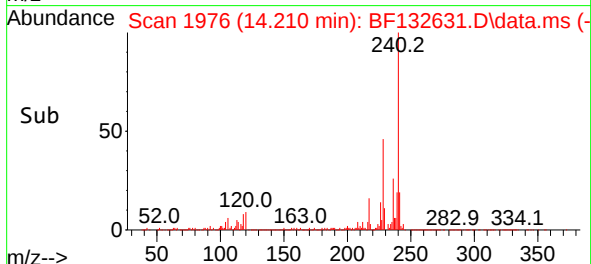
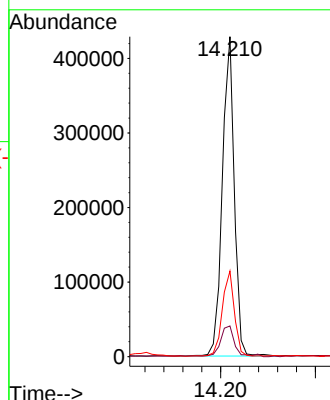
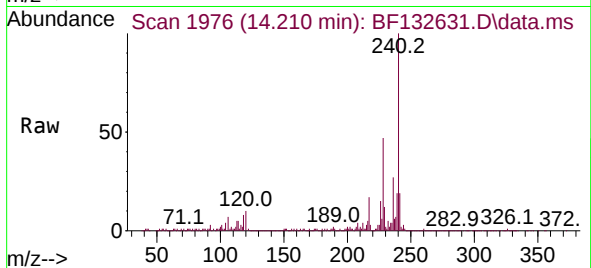
CE-63-030123

Tgt Ion:240 Resp: 374706
 Ion Ratio Lower Upper
 240 100
 120 9.6 7.2 10.8
 236 26.7 21.8 32.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/06/2023
 Supervised By :Jagrut Upadhyay 03/06/2023



#78

Pyrene

Concen: 66.074 ng

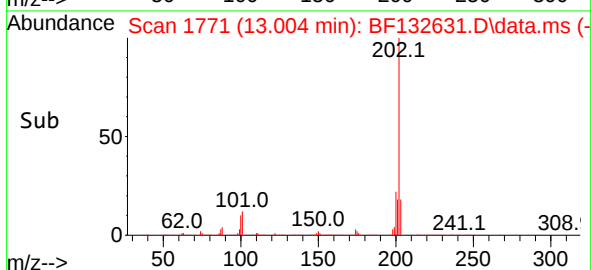
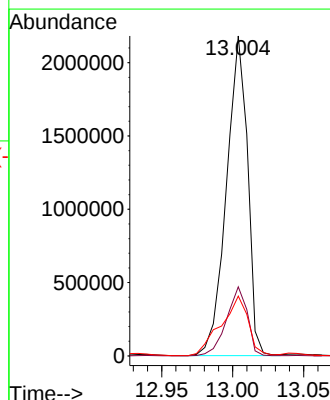
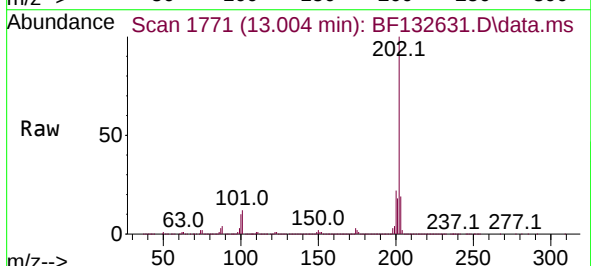
RT: 13.004 min Scan# 1771

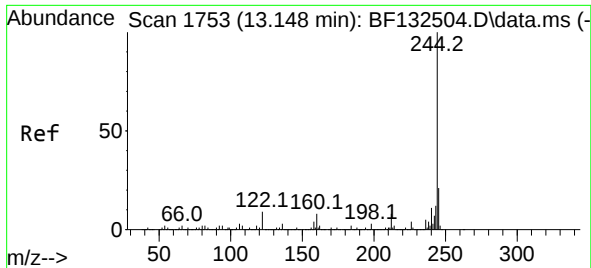
Delta R.T. 0.003 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

Tgt Ion:202 Resp: 2250952
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.1 25.7
 203 18.7 14.6 21.8





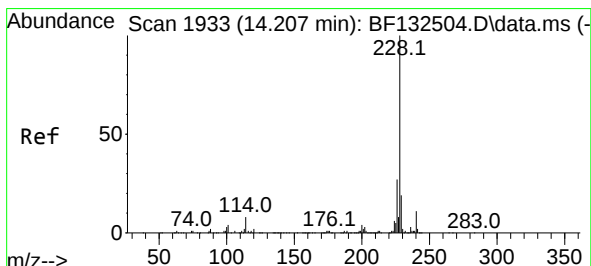
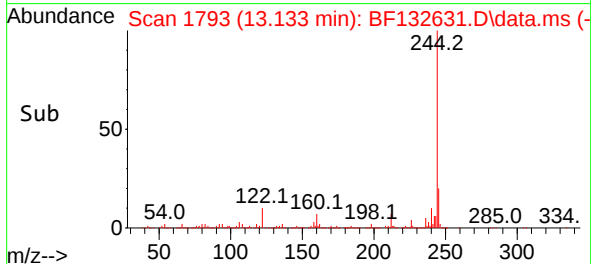
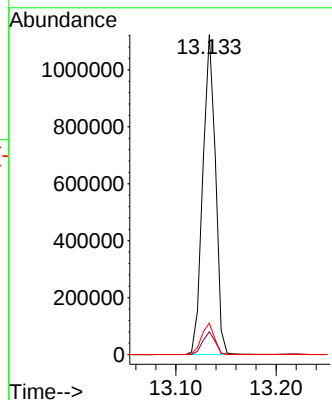
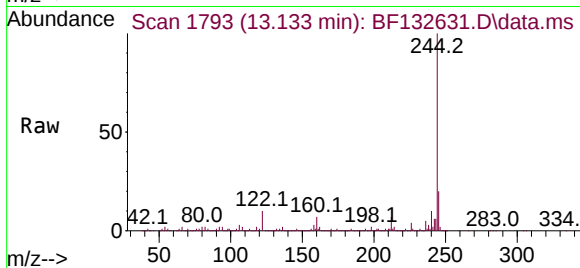
#79
 Terphenyl-d14
 Concen: 44.200 ng
 RT: 13.133 min Scan# 1753
 Delta R.T. -0.009 min
 Lab File: BF132631.D
 Acq: 03 Mar 2023 16:28

Instrument :
 BNA_F
 ClientSampleId :
 CE-63-030123

Tgt Ion:244 Resp: 979558
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 9.8 7.5 11.3

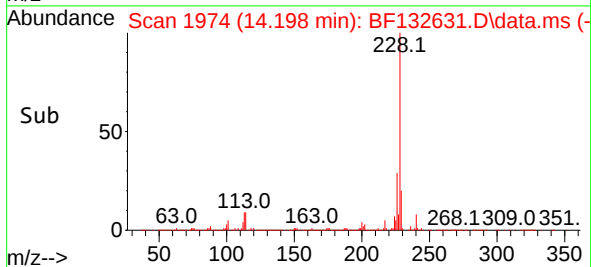
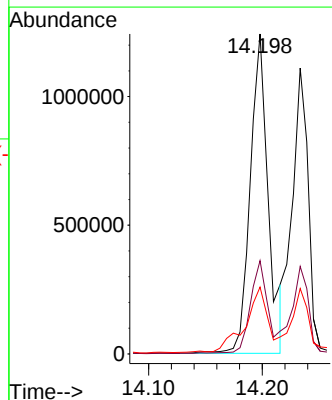
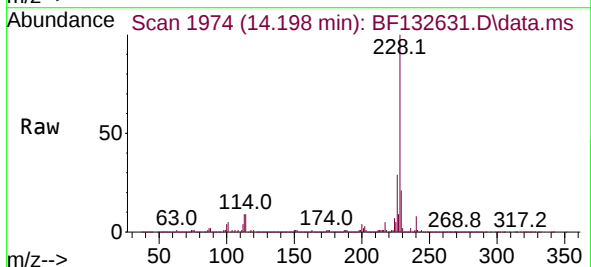
Manual Integrations
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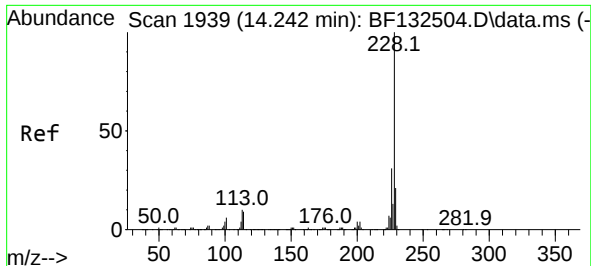
Reviewed By :Christian Giraldo 03/06/2023
 Supervised By :Jagrut Upadhyay 03/06/2023



#81
 Benzo(a)anthracene
 Concen: 48.601 ng
 RT: 14.198 min Scan# 1974
 Delta R.T. 0.003 min
 Lab File: BF132631.D
 Acq: 03 Mar 2023 16:28

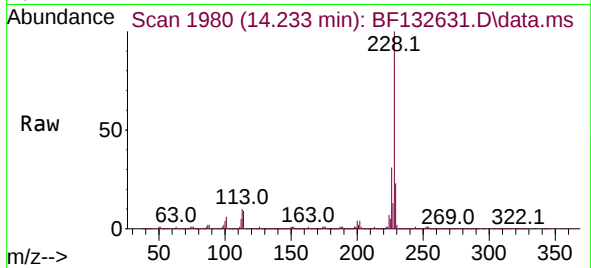
Tgt Ion:228 Resp: 1362597
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.7 32.5
 229 20.9 15.4 23.2





#83
Chrysene
Concen: 41.215 ng
RT: 14.233 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

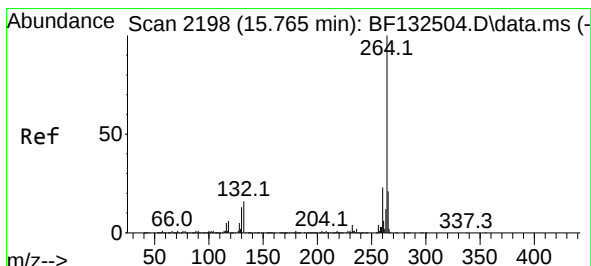
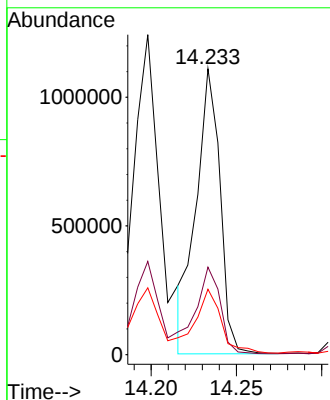
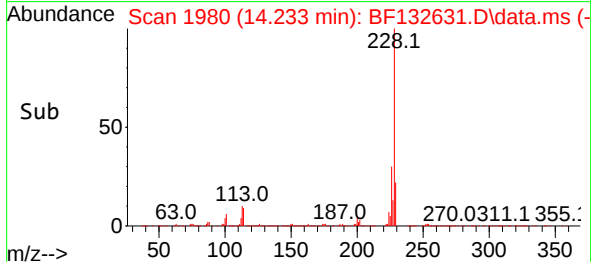
Instrument :
BNA_F
ClientSampleId :
CE-63-030123



Tgt Ion:228 Resp: 1080563
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 22.9 16.4 24.6

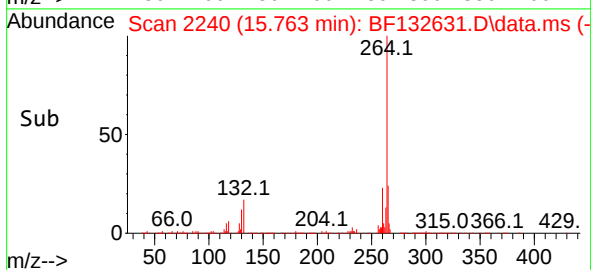
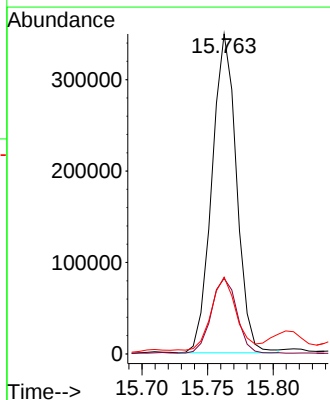
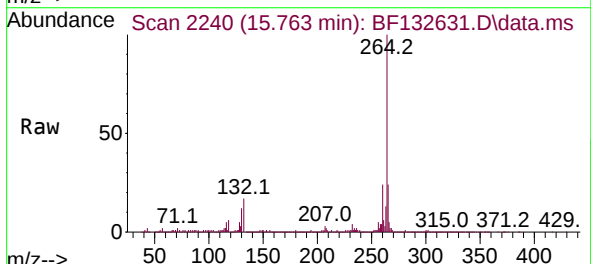
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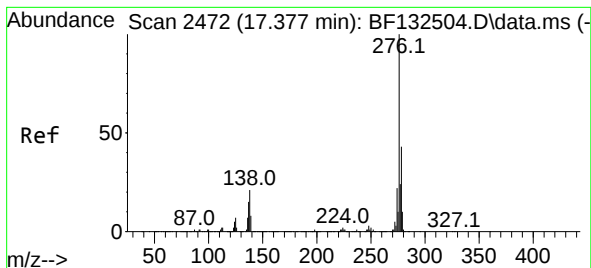
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.763 min Scan# 2240
Delta R.T. 0.009 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:264 Resp: 456200
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 24.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 21.428 ng

RT: 17.362 min Scan# 2162

Delta R.T. 0.003 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

Instrument :

BNA_F

ClientSampleId :

CE-63-030123

Tgt Ion:276 Resp: 640539

Ion Ratio Lower Upper

276 100

138 20.8 19.0 28.4

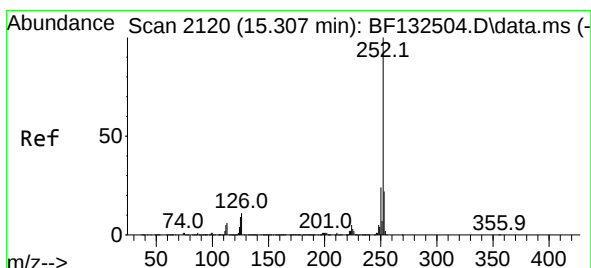
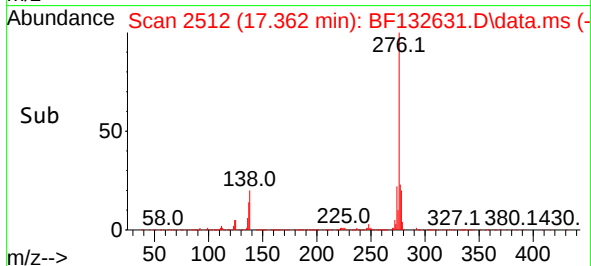
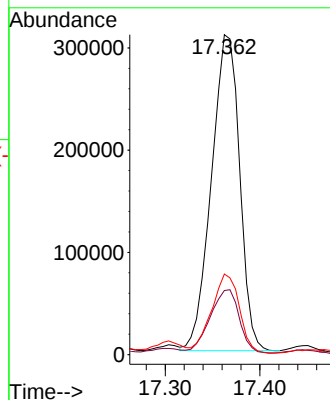
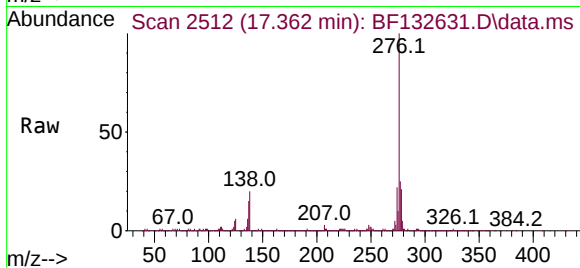
277 24.4 20.0 30.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#88

Benzo(b)fluoranthene

Concen: 55.926 ng m

RT: 15.304 min Scan# 2162

Delta R.T. 0.009 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

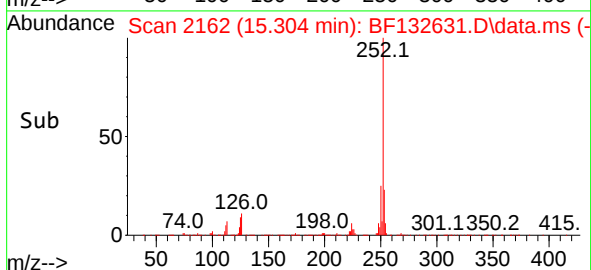
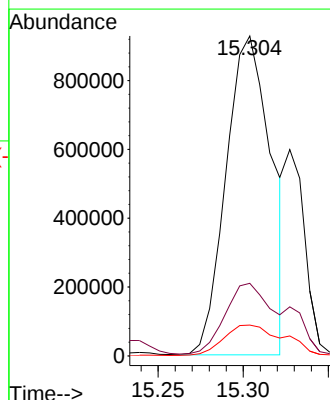
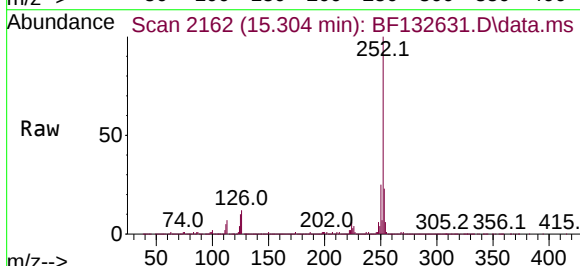
Tgt Ion:252 Resp: 1709773

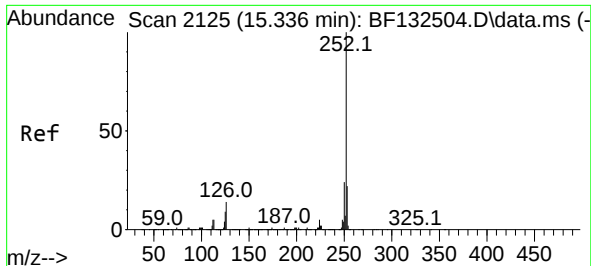
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 9.6 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 15.897 ng m
RT: 15.327 min Scan# 2125
Delta R.T. 0.003 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Instrument :

BNA_F

ClientSampleId :

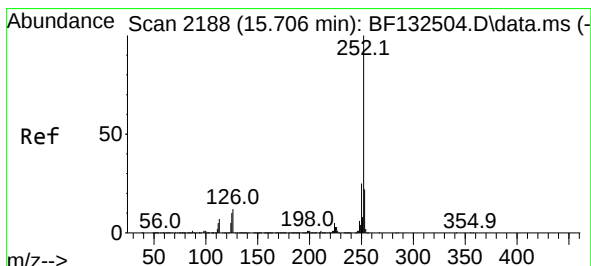
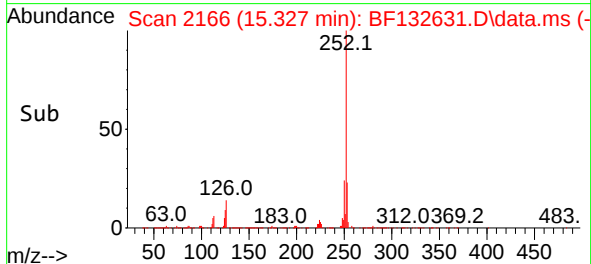
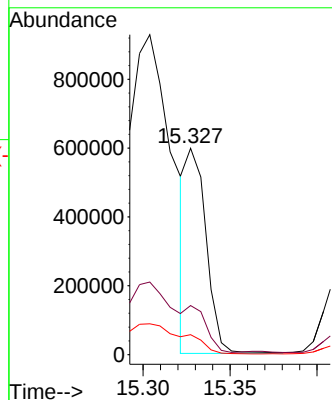
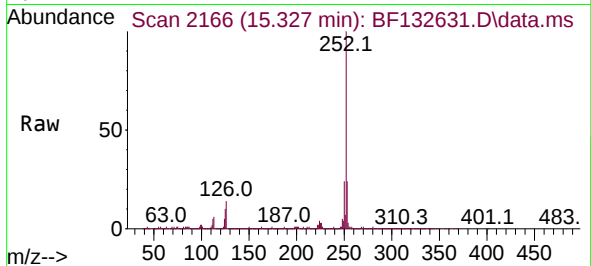
CE-63-030123

Tgt Ion:252 Resp: 475650
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 9.7 7.2 10.8

Manual Integrations

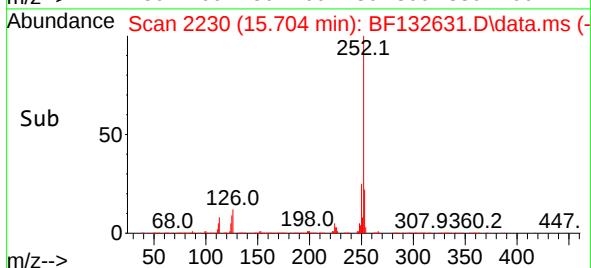
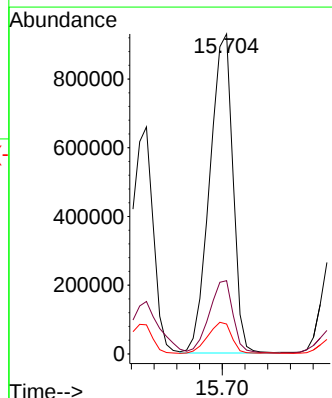
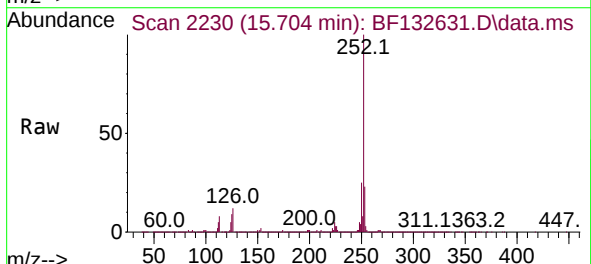
APPROVED

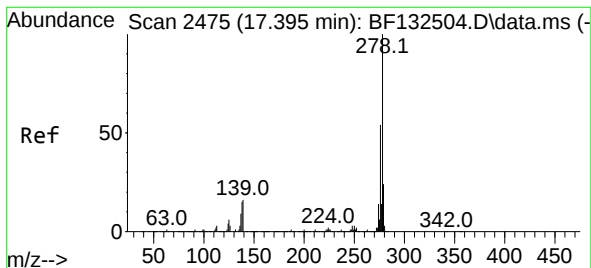
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#90
Benzo(a)pyrene
Concen: 45.938 ng
RT: 15.704 min Scan# 2230
Delta R.T. 0.015 min
Lab File: BF132631.D
Acq: 03 Mar 2023 16:28

Tgt Ion:252 Resp: 1314418
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 9.3 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 6.501 ng

RT: 17.374 min Scan# 2514

Delta R.T. -0.003 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

Instrument :

BNA_F

ClientSampleId :

CE-63-030123

Tgt Ion:278 Resp: 158336

Ion Ratio Lower Upper

278 100

139 17.6 13.0 19.4

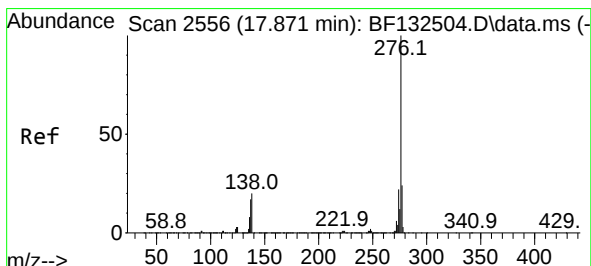
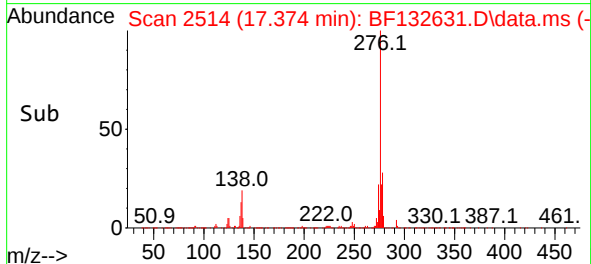
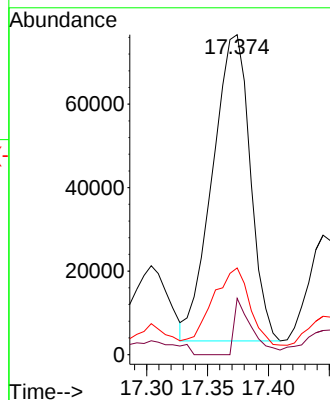
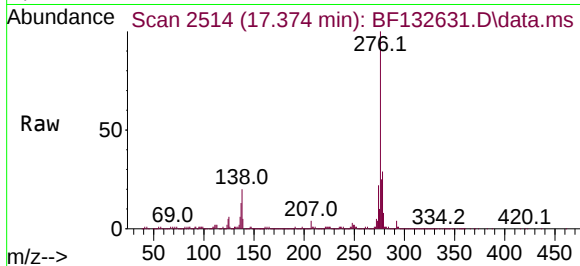
279 27.1 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#92

Benzo(g,h,i)perylene

Concen: 23.255 ng

RT: 17.857 min Scan# 2596

Delta R.T. 0.003 min

Lab File: BF132631.D

Acq: 03 Mar 2023 16:28

Tgt Ion:276 Resp: 616372

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 21.7 16.2 24.4

