

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
 Data File : BF132231.D
 Acq On : 31 Jan 2023 02:12
 Operator : CG\JU
 Sample : 01270-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-1-012323

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/31/2023
 Supervised By : Jagrut Upadhyay 01/31/2023

Quant Time: Jan 31 02:35:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 02:25:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.084	152	159467	20.000	ng	0.00
21) Naphthalene-d8	8.366	136	499654	20.000	ng	0.00
39) Acenaphthene-d10	10.136	164	241790	20.000	ng	0.00
64) Phenanthrene-d10	11.636	188	496088	20.000	ng	0.00
76) Chrysene-d12	14.301	240	284767	20.000	ng	0.00
86) Perylene-d12	15.901	264	246336	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.701	112	771987	80.546	ng	0.00
7) Phenol-d6	6.690	99	964405	80.250	ng	0.00
23) Nitrobenzene-d5	7.642	82	577823	60.543	ng	0.00
42) 2,4,6-Tribromophenol	10.925	330	185486	82.845	ng	0.00
45) 2-Fluorobiphenyl	9.442	172	941345	57.287	ng	0.00
79) Terphenyl-d14	13.230	244	1066944	58.865	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.166	154	128297	9.286	ng	97
55) Dibenzofuran	10.336	168	88921	4.296	ng	# 95
58) Fluorene	10.683	166	131897	8.343	ng	96
71) Phenanthrene	11.666	178	2309054	91.495	ng	99
72) Anthracene	11.713	178	768533	29.905	ng	99
73) Carbazole	11.860	167	69222	3.136	ng	97
75) Fluoranthene	12.871	202	3718697	144.818	ng	97
78) Pyrene	13.107	202	3464547	129.849	ng	97
81) Benzo(a)anthracene	14.295	228	1512882	75.560	ng	98
83) Chrysene	14.330	228	1295484	69.430	ng	97
87) Indeno(1,2,3-cd)pyrene	17.565	276	506768	31.115	ng	# 92
88) Benzo(b)fluoranthene	15.424	252	1393372m	92.098	ng	
89) Benzo(k)fluoranthene	15.448	252	424038m	27.163	ng	
90) Benzo(a)pyrene	15.836	252	994772	69.669	ng	98
91) Dibenzo(a,h)anthracene	17.571	278	125028	9.389	ng	# 89
92) Benzo(g,h,i)perylene	18.077	276	492402	36.268	ng	97

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

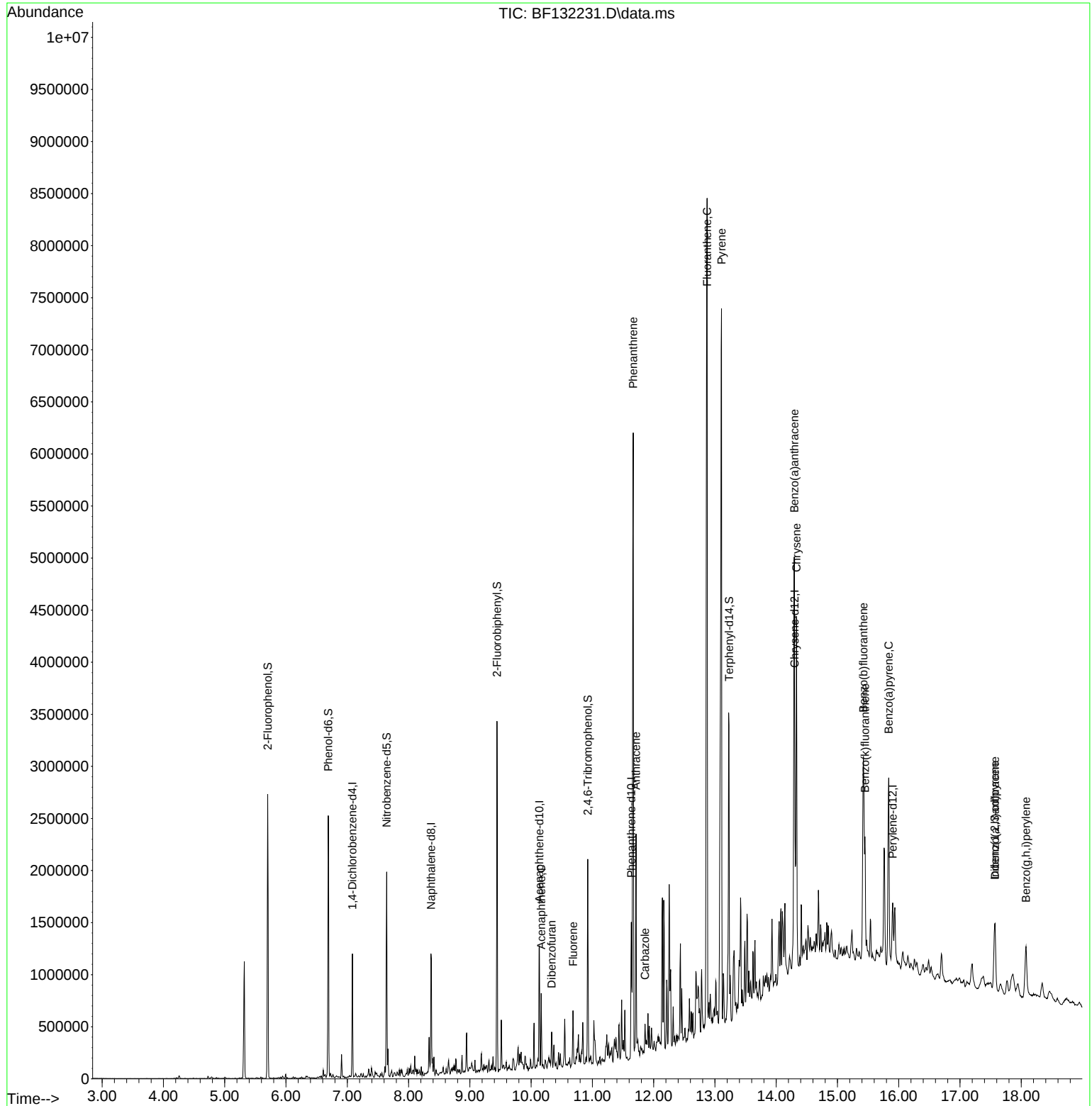
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

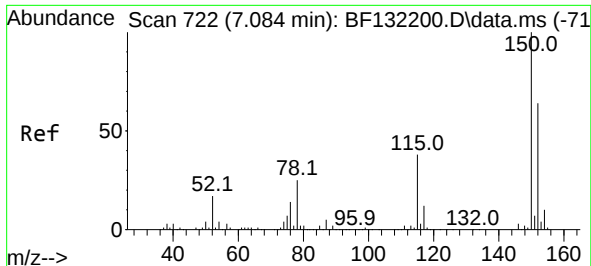
Instrument :
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JC-1-012323

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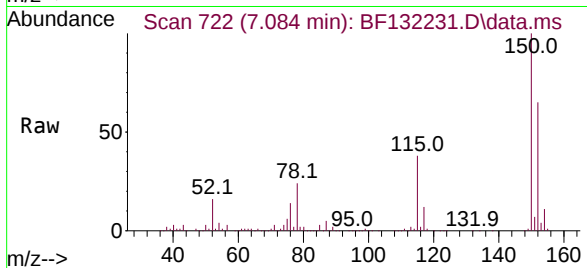
Quant Time: Jan 31 02:35:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 28 02:25:45 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.084 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

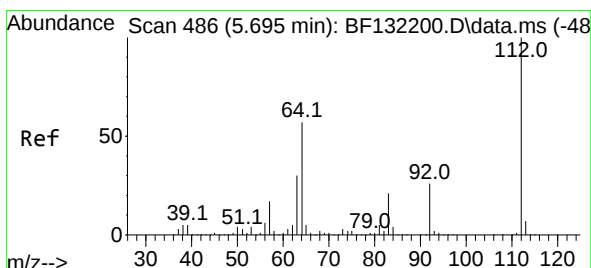
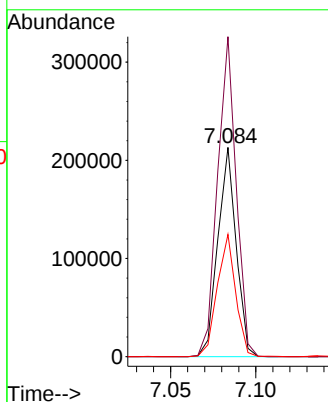
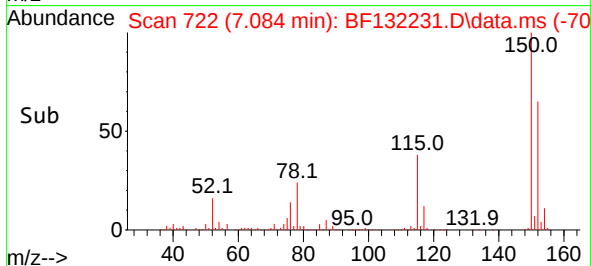
Instrument :
BNA_F
ClientSampleId :
JC-1-012323



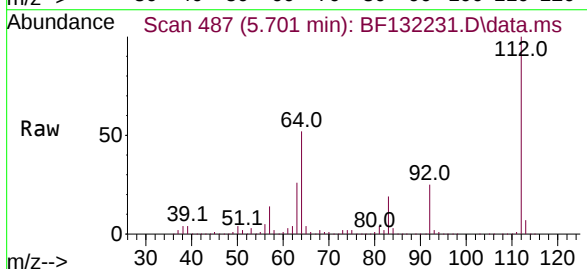
Tgt Ion:152 Resp: 159462
Ion Ratio Lower Upper
152 100
150 153.0 124.5 186.7
115 58.4 47.0 70.6

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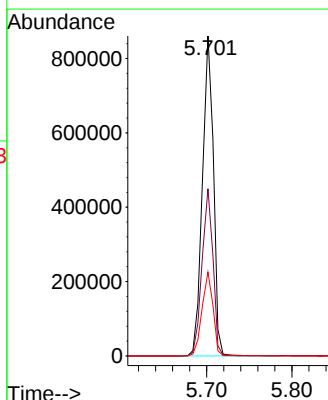
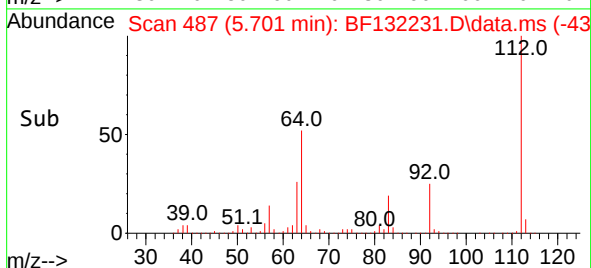
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

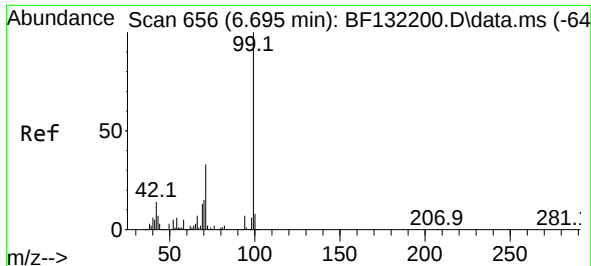


#5
2-Fluorophenol
Concen: 80.546 ng
RT: 5.701 min Scan# 487
Delta R.T. 0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12



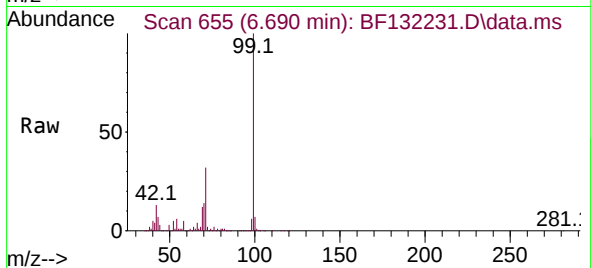
Tgt Ion:112 Resp: 771987
Ion Ratio Lower Upper
112 100
64 52.2 45.5 68.3
63 26.2 23.7 35.5





#7
Phenol-d6
Concen: 80.250 ng
RT: 6.690 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

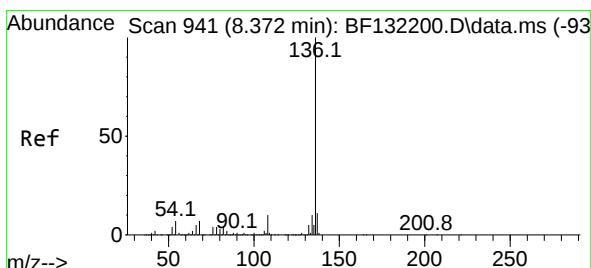
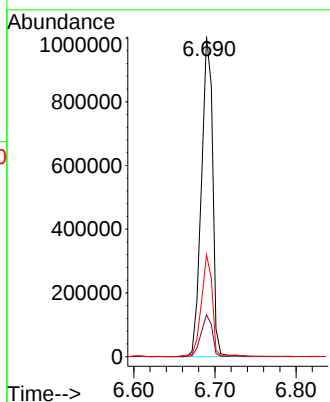
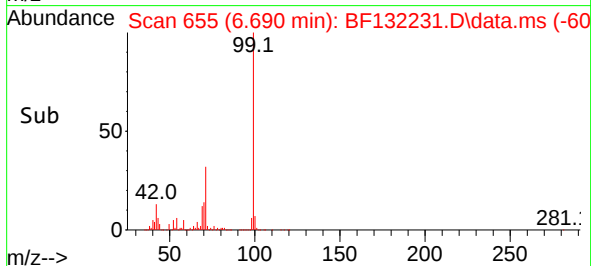
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Tgt Ion: 99 Resp: 964405
Ion Ratio Lower Upper
99 100
42 13.1 11.3 16.9
71 31.9 26.3 39.5

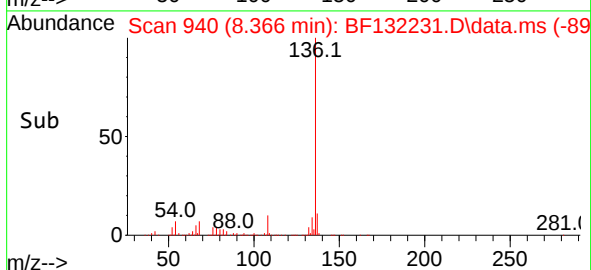
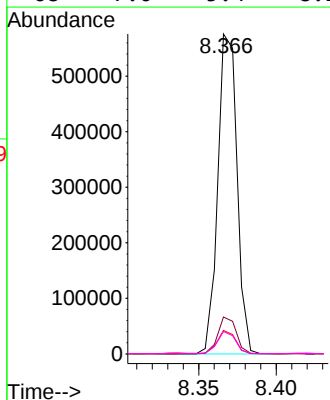
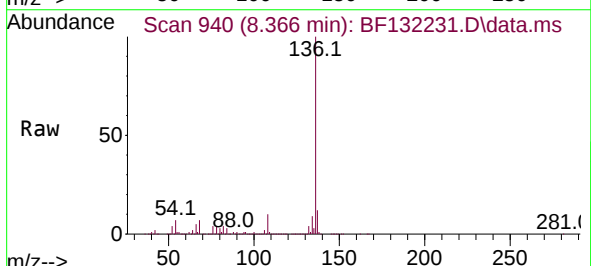
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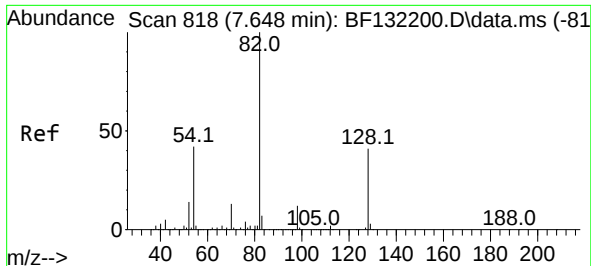
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.366 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Tgt Ion:136 Resp: 499654
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 7.3 5.4 8.2
68 7.0 5.4 8.2





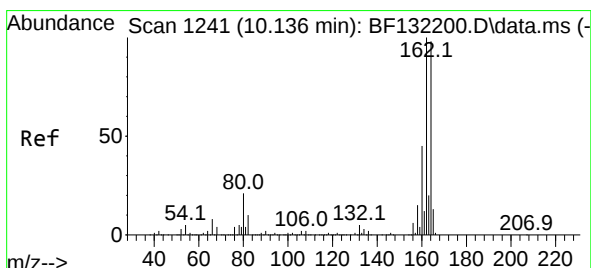
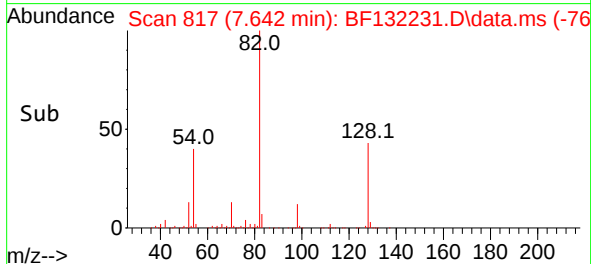
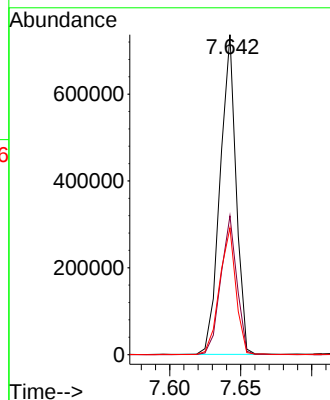
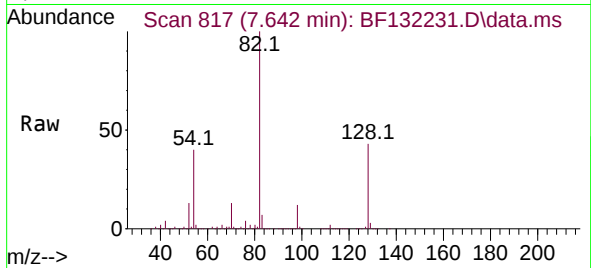
#23
Nitrobenzene-d5
Concen: 60.543 ng
RT: 7.642 min Scan# 818
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Instrument :
BNA_F
ClientSampleId :
JC-1-012323

Tgt Ion: 82 Resp: 577823
Ion Ratio Lower Upper
82 100
128 43.4 32.7 49.1
54 39.6 33.3 49.9

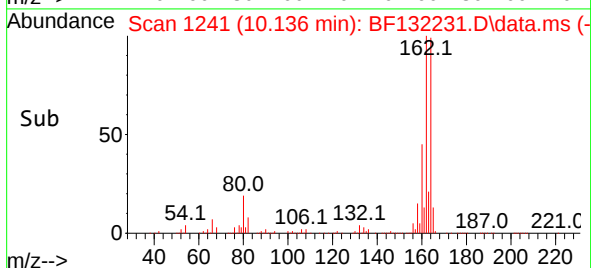
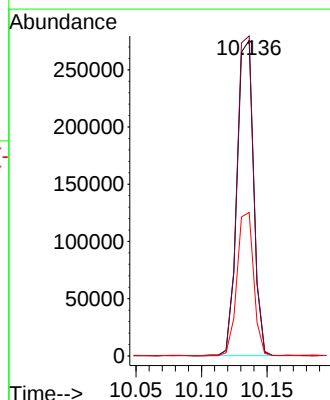
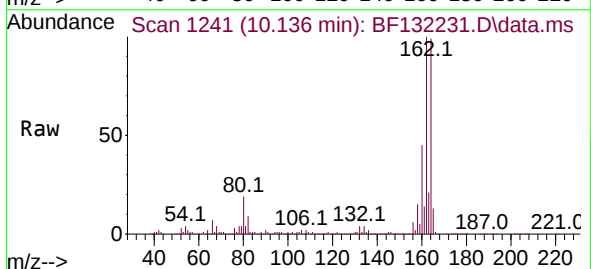
Manual Integrations
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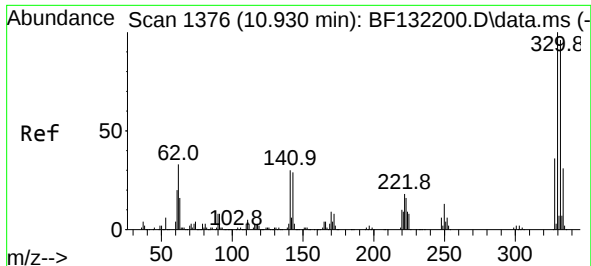
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.136 min Scan# 1241
Delta R.T. 0.000 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

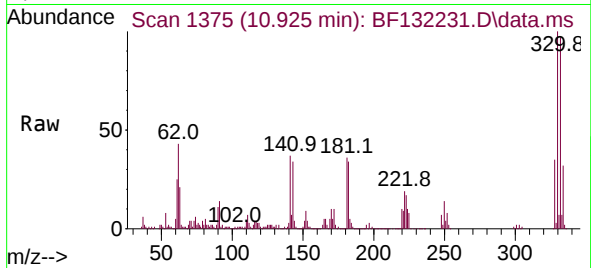
Tgt Ion:164 Resp: 241790
Ion Ratio Lower Upper
164 100
162 101.5 81.5 122.3
160 45.5 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 82.845 ng
RT: 10.925 min Scan# 1375
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

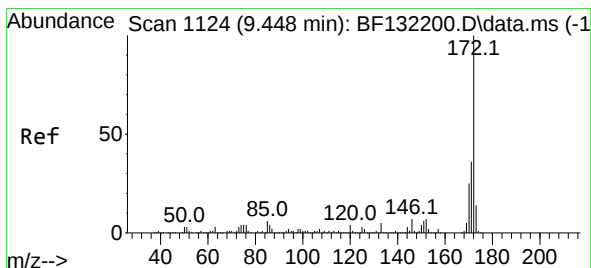
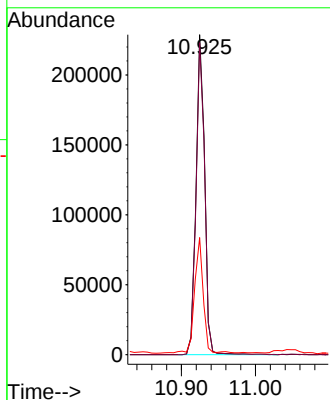
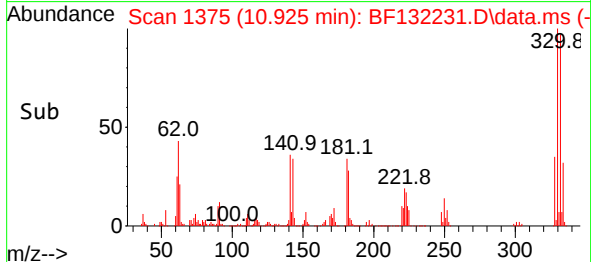
Instrument :
BNA_F
ClientSampleId :
JC-1-012323



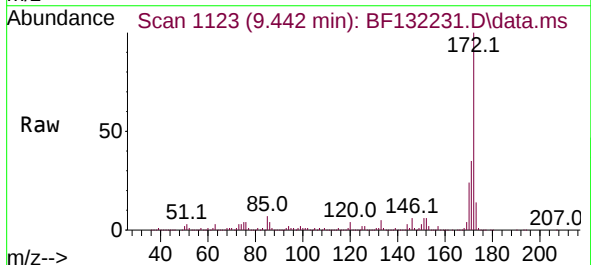
Tgt Ion: 330 Resp: 185486
Ion Ratio Lower Upper
330 100
332 97.2 75.7 113.5
141 36.1 30.7 46.1

Manual Integrations
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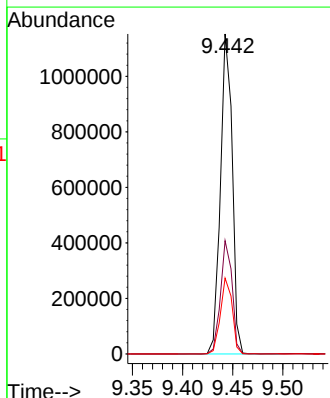
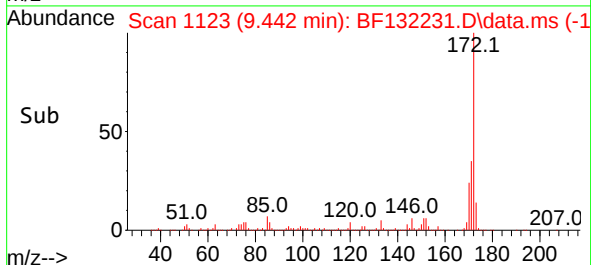
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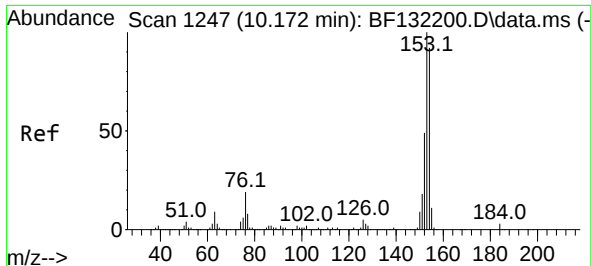


#45
2-Fluorobiphenyl
Concen: 57.287 ng
RT: 9.442 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12



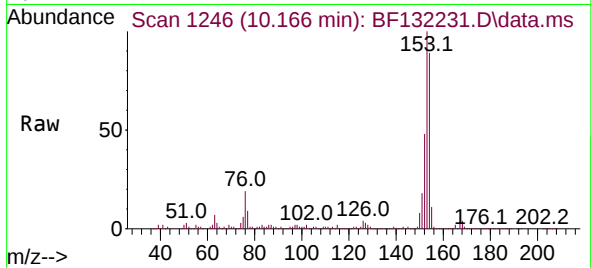
Tgt Ion: 172 Resp: 941345
Ion Ratio Lower Upper
172 100
171 35.4 29.0 43.6
170 23.7 20.2 30.4





#52
Acenaphthene
Concen: 9.286 ng
RT: 10.166 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

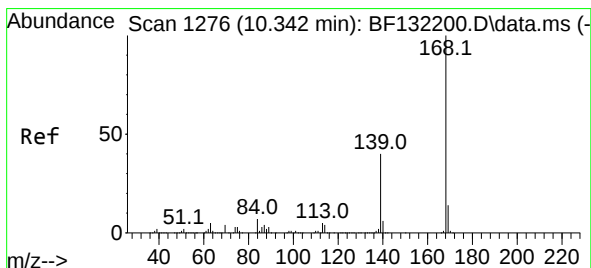
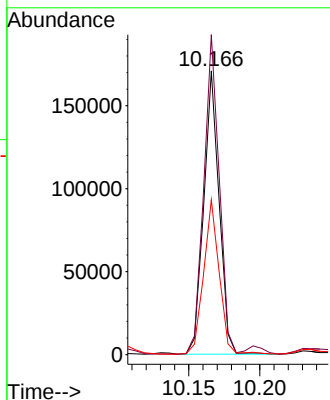
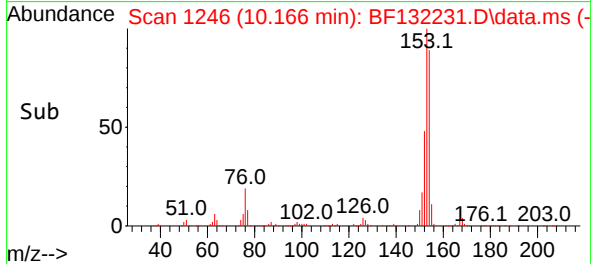
Instrument :
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JC-1-012323



Tgt Ion:154 Resp: 128297
Ion Ratio Lower Upper
154 100
153 112.8 87.3 130.9
152 54.5 43.2 64.8

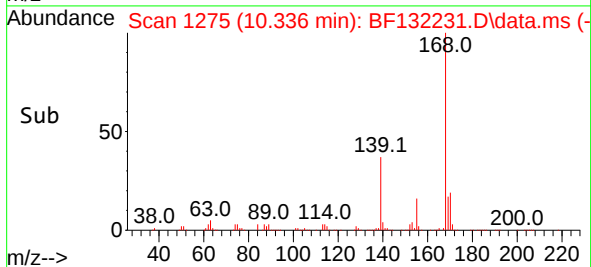
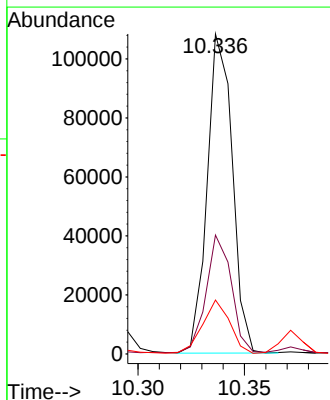
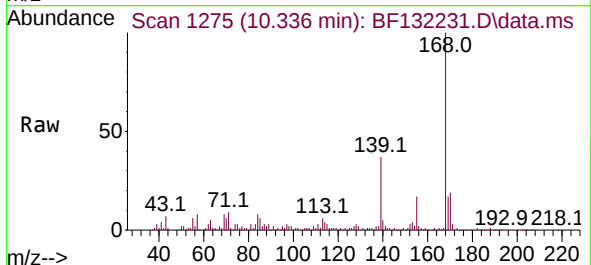
Manual Integrations
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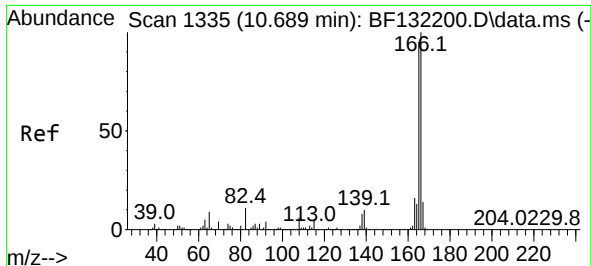
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#55
Dibenzofuran
Concen: 4.296 ng
RT: 10.336 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

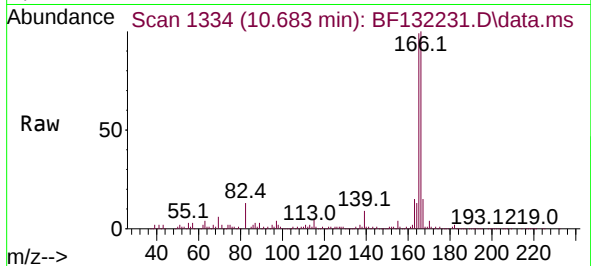
Tgt Ion:168 Resp: 88921
Ion Ratio Lower Upper
168 100
139 37.1 31.7 47.5
169 16.8 11.1 16.7#





#58
Fluorene
Concen: 8.343 ng
RT: 10.683 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

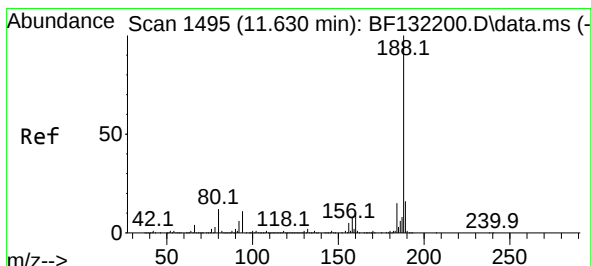
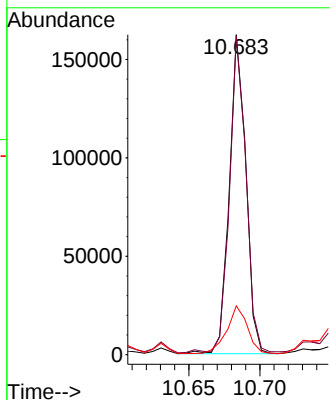
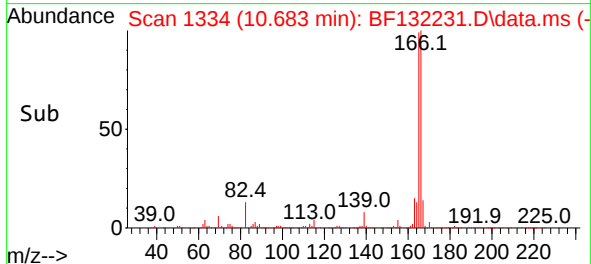
Instrument :
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Tgt Ion:166 Resp: 131897
Ion Ratio Lower Upper
166 100
165 99.5 76.3 114.5
167 15.2 10.9 16.3

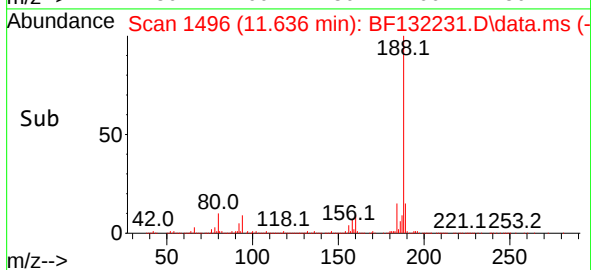
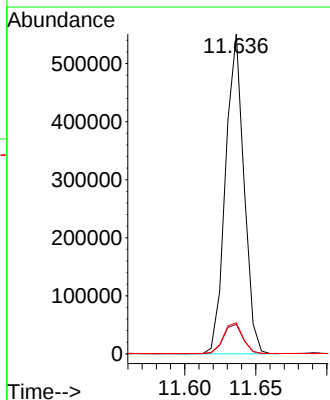
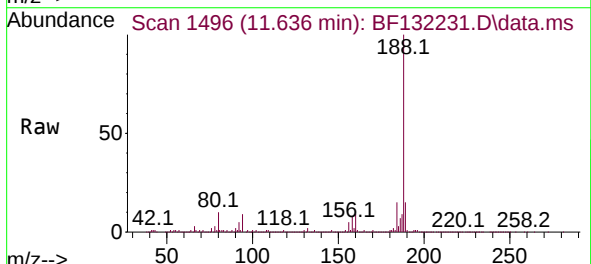
Manual Integrations
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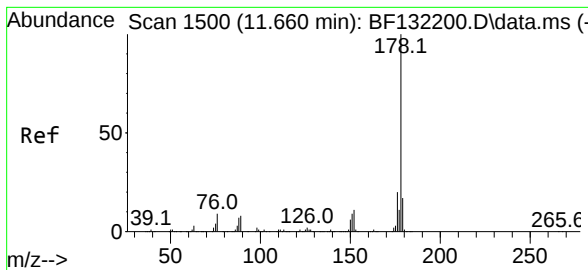
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.636 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

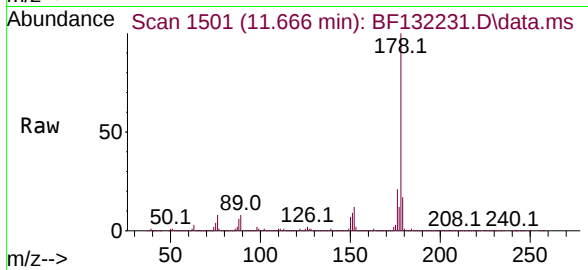
Tgt Ion:188 Resp: 496088
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 9.8 9.2 13.8





#71
Phenanthrene
Concen: 91.495 ng
RT: 11.666 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

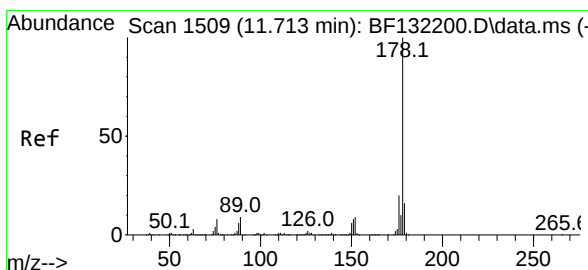
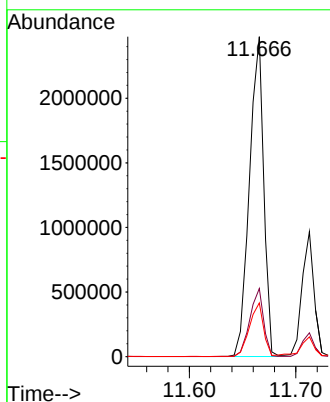
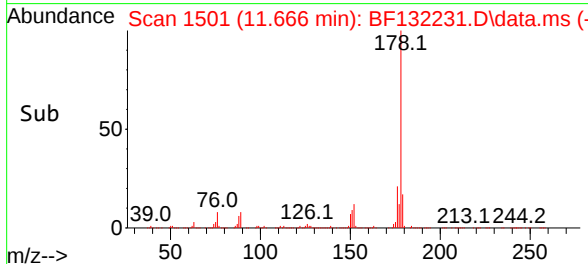
Instrument :
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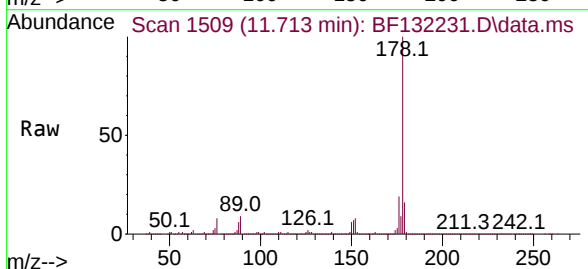
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Ion Ratio Lower Upper
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176 21.3 16.4 24.6
179 16.8 13.3 19.9

Manual Integrations
APPROVED

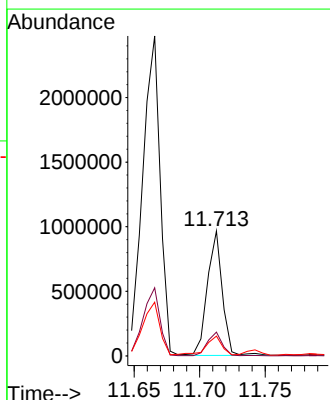
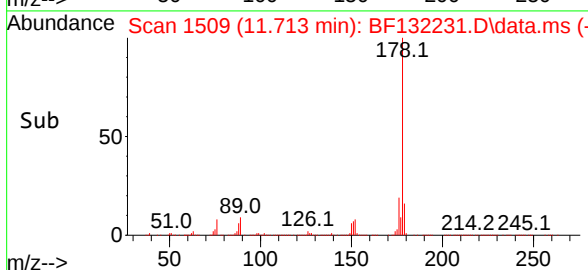
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

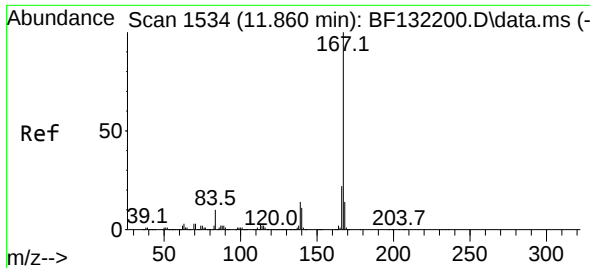


#72
Anthracene
Concen: 29.905 ng
RT: 11.713 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12



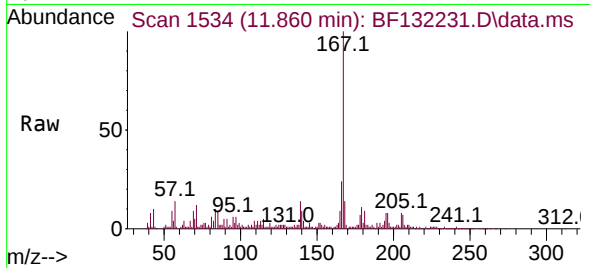
Tgt Ion:178 Resp: 768533
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.8 13.0 19.6





#73
 Carbazole
 Concen: 3.136 ng
 RT: 11.860 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF132231.D
 Acq: 31 Jan 2023 02:12

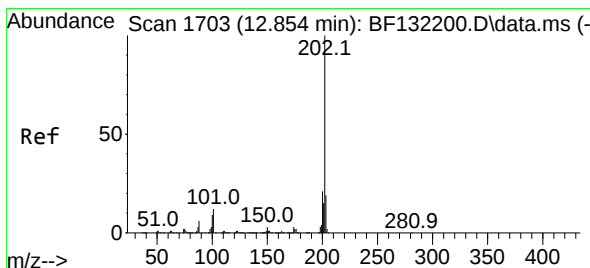
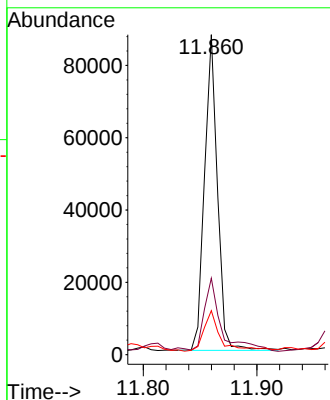
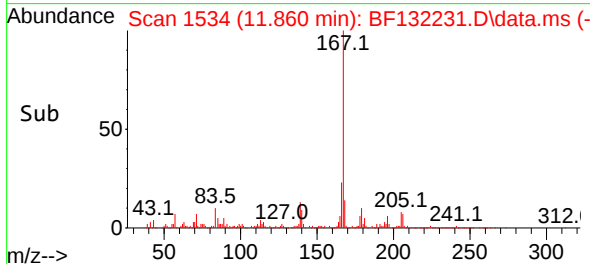
Instrument :
 BNA_F
 ClientSampleId :
 JC-1-012323



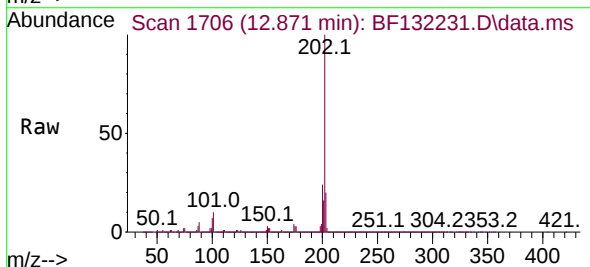
Tgt Ion:167 Resp: 6922
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.5 26.3
 139 13.7 10.8 16.2

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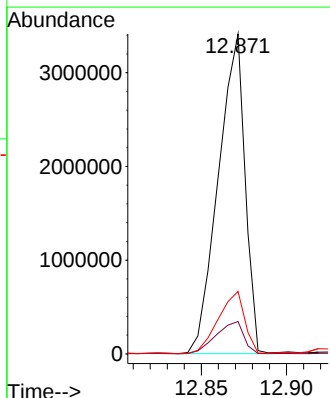
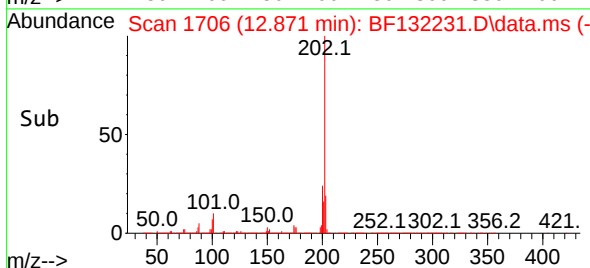
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

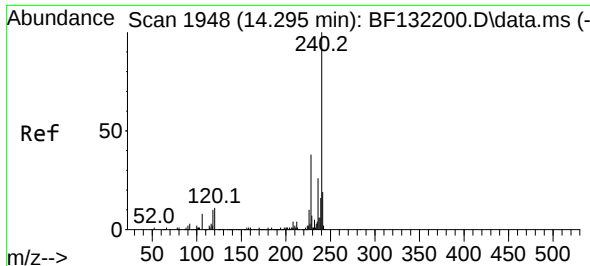


#75
 Fluoranthene
 Concen: 144.818 ng
 RT: 12.871 min Scan# 1706
 Delta R.T. 0.017 min
 Lab File: BF132231.D
 Acq: 31 Jan 2023 02:12



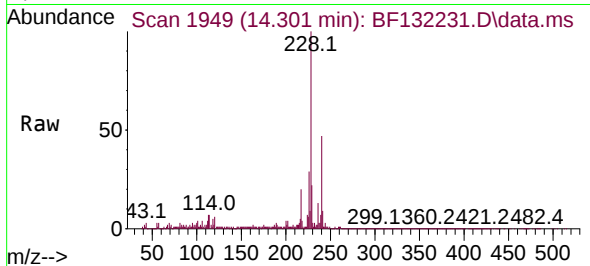
Tgt Ion:202 Resp: 3718697
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 32.5
 203 19.5 0.0 38.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.301 min Scan# 1948
Delta R.T. 0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

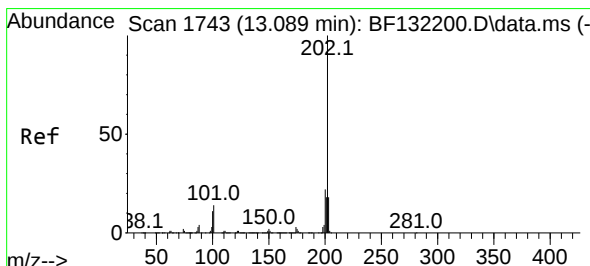
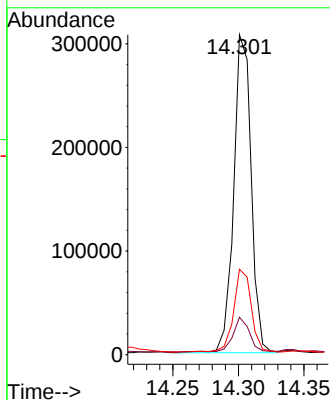
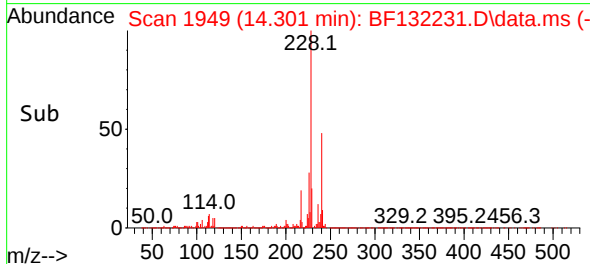
Instrument :
BNA_F
ClientSampleId :
JC-1-012323



Tgt Ion:240 Resp: 284762
Ion Ratio Lower Upper
240 100
120 11.7 9.0 13.4
236 26.7 20.8 31.2

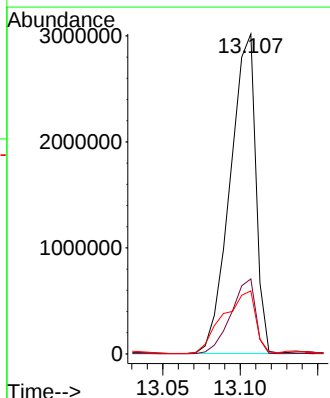
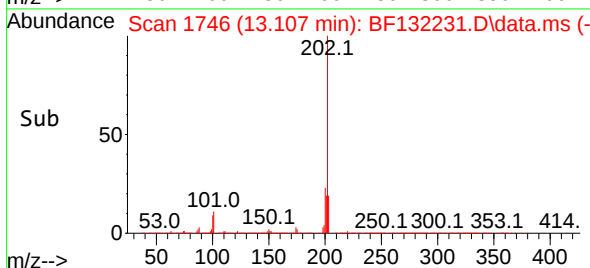
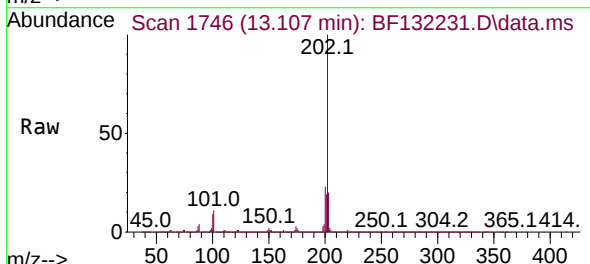
Manual Integrations
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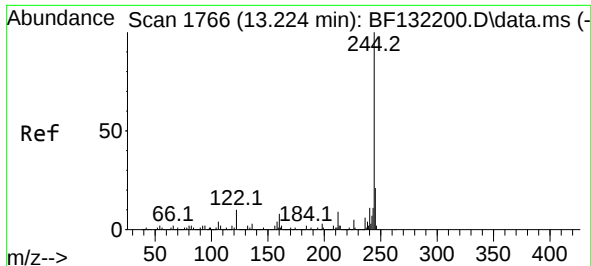
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#78
Pyrene
Concen: 129.849 ng
RT: 13.107 min Scan# 1746
Delta R.T. 0.018 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

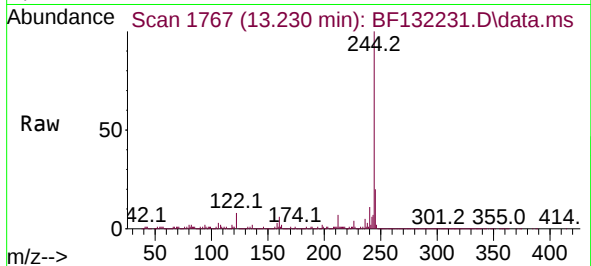
Tgt Ion:202 Resp: 3464547
Ion Ratio Lower Upper
202 100
200 23.4 17.4 26.2
203 19.7 14.7 22.1





#79
 Terphenyl-d14
 Concen: 58.865 ng
 RT: 13.230 min Scan# 1767
 Delta R.T. 0.006 min
 Lab File: BF132231.D
 Acq: 31 Jan 2023 02:12

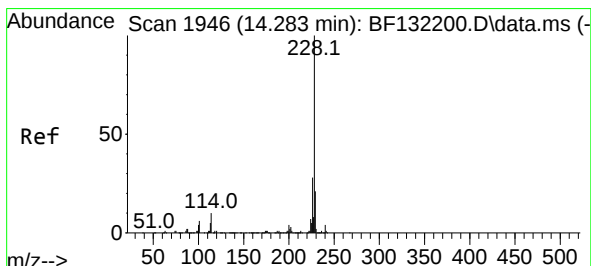
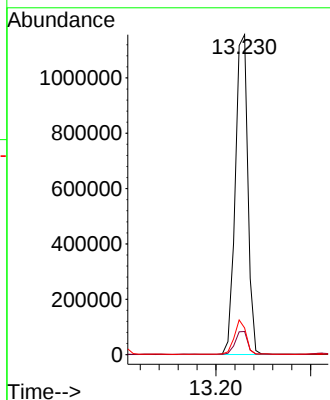
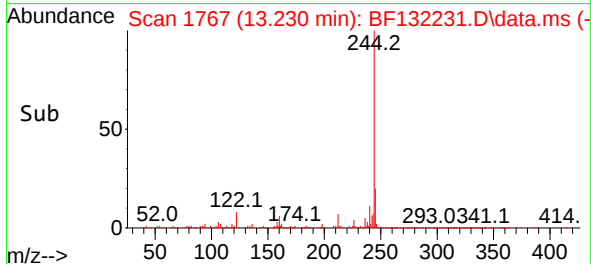
Instrument :
 BNA_F
 ClientSampleId :
 JC-1-012323



Tgt Ion:244 Resp: 1066944
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.8 10.2
 122 8.3 8.3 12.5

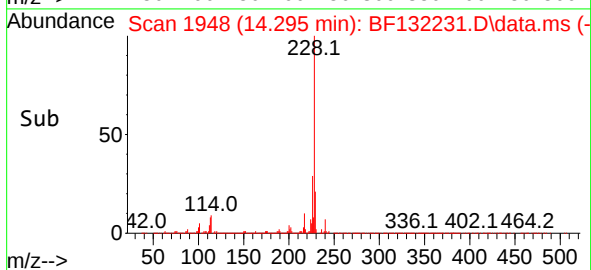
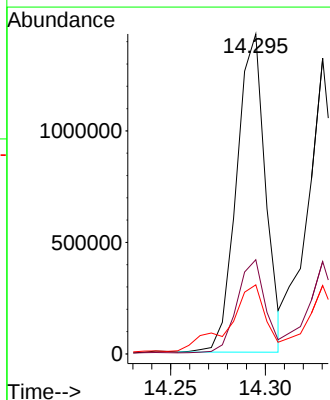
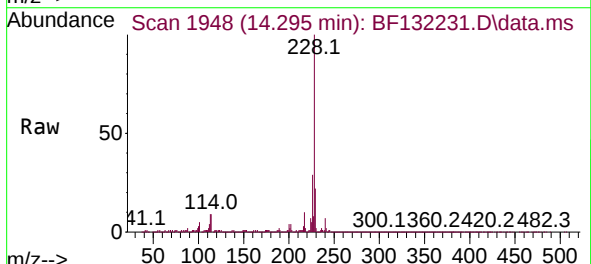
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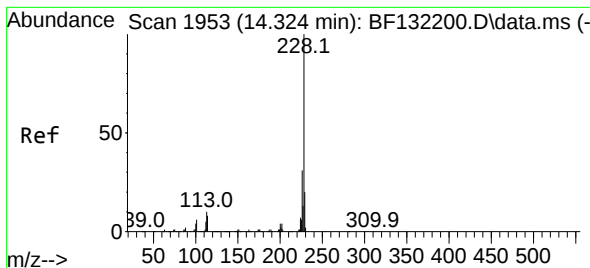
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023



#81
 Benzo(a)anthracene
 Concen: 75.560 ng
 RT: 14.295 min Scan# 1948
 Delta R.T. 0.012 min
 Lab File: BF132231.D
 Acq: 31 Jan 2023 02:12

Tgt Ion:228 Resp: 1512882
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.6 33.8
 229 21.6 16.5 24.7





#83

Chrysene

Concen: 69.430 ng

RT: 14.330 min Scan# 1953

Delta R.T. 0.006 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Instrument :

BNA_F

ClientSampleId :

JC-1-012323

Tgt Ion:228 Resp: 1295484

Ion Ratio Lower Upper

228 100

226 31.3 24.9 37.3

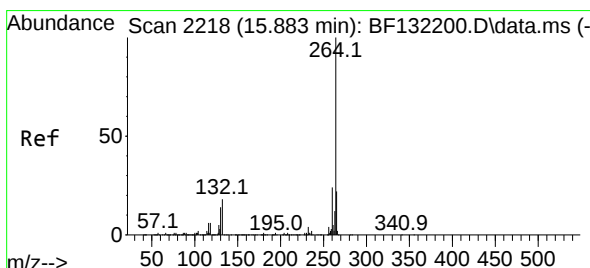
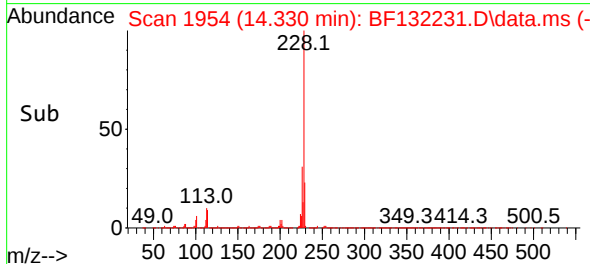
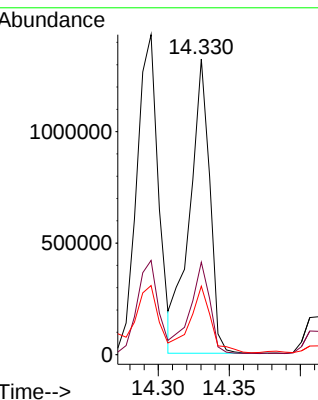
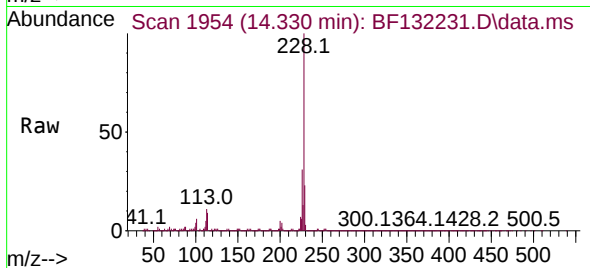
229 23.2 16.2 24.4

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.901 min Scan# 2221

Delta R.T. 0.018 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

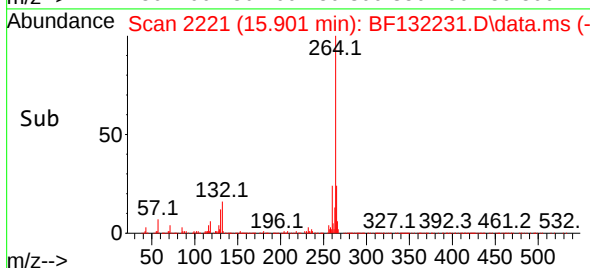
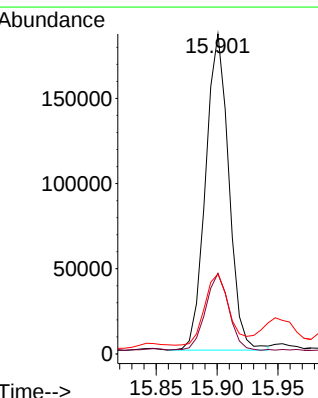
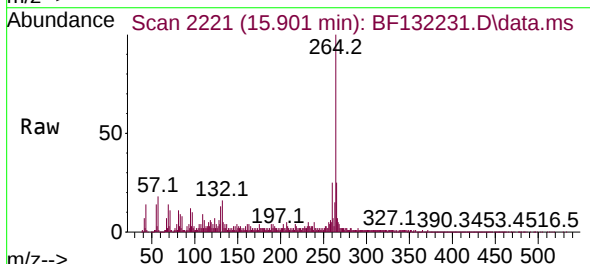
Tgt Ion:264 Resp: 246336

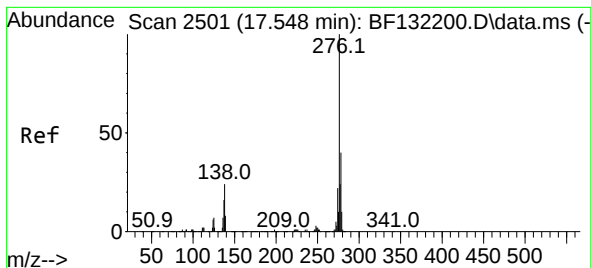
Ion Ratio Lower Upper

264 100

260 25.2 18.8 28.2

265 25.0 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 31.115 ng

RT: 17.565 min Scan# 2140

Delta R.T. 0.018 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Instrument :

BNA_F

ClientSampleId :

JC-1-012323

Tgt Ion:276 Resp: 506768

Ion Ratio Lower Upper

276 100

138 19.6 21.0 31.6

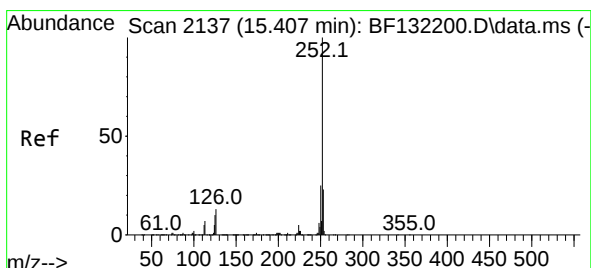
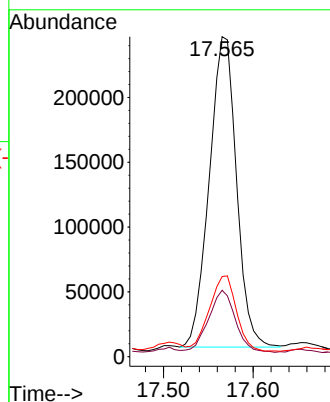
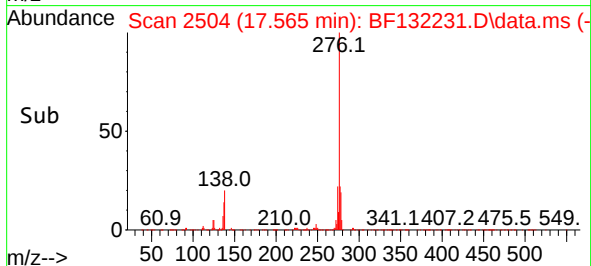
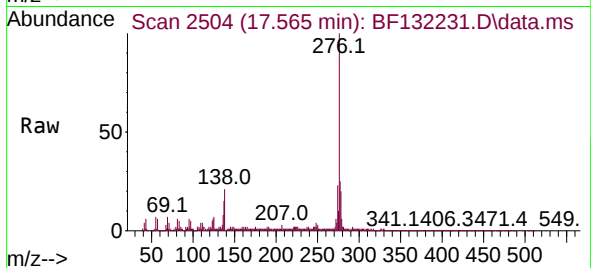
277 24.1 20.0 30.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#88

Benzo(b)fluoranthene

Concen: 92.098 ng m

RT: 15.424 min Scan# 2140

Delta R.T. 0.018 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

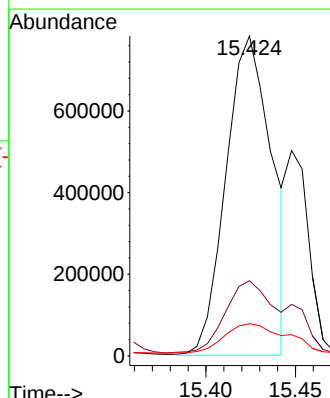
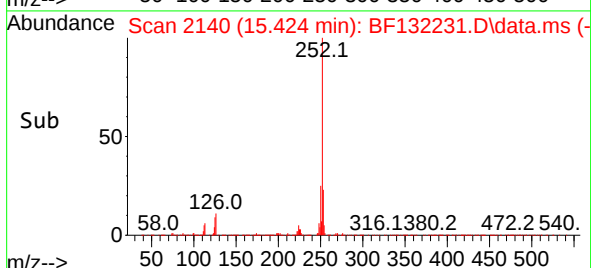
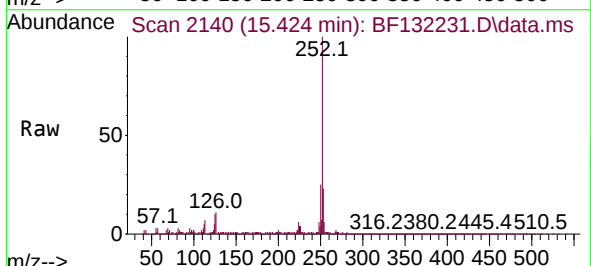
Tgt Ion:252 Resp: 1393372

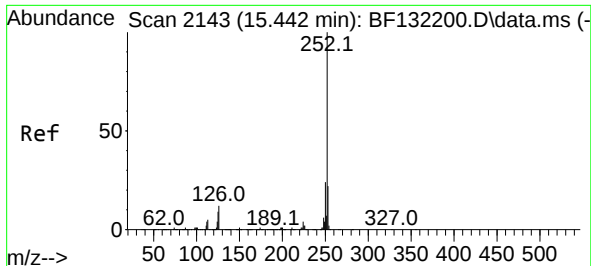
Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

125 10.0 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 27.163 ng m

RT: 15.448 min Scan# 2143

Delta R.T. 0.006 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Instrument :

BNF

ClientSampleId :

JC-1-012323

Tgt Ion:252 Resp: 424038

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.6

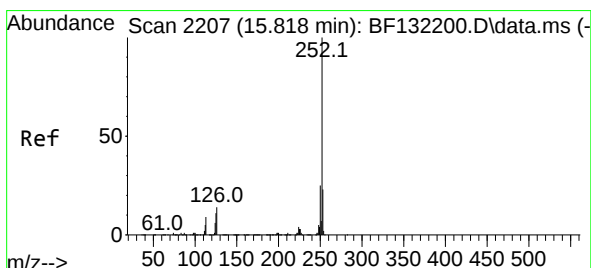
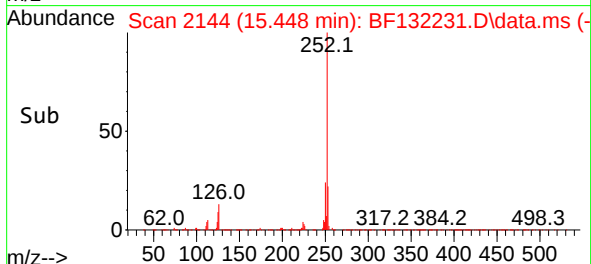
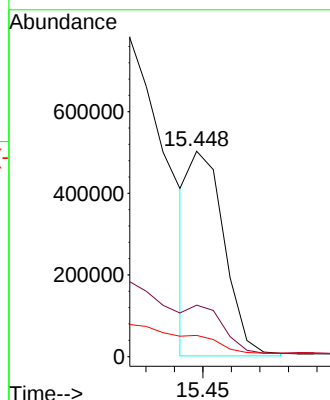
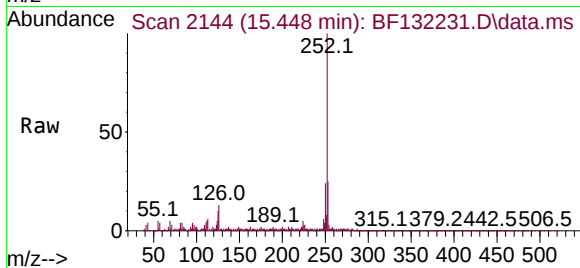
125 10.3 7.7 11.5

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#90

Benzo(a)pyrene

Concen: 69.669 ng

RT: 15.836 min Scan# 2210

Delta R.T. 0.018 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

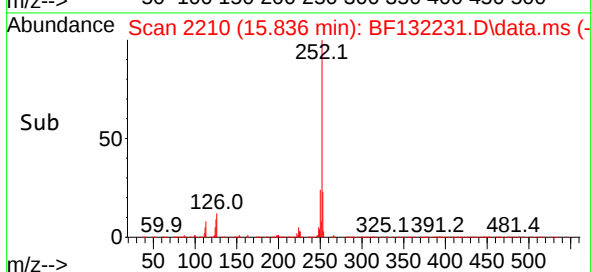
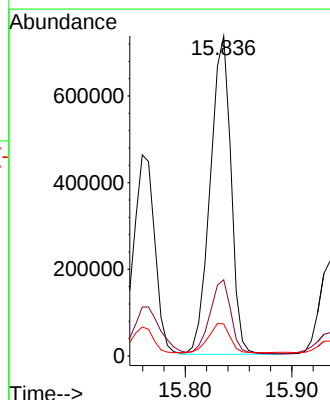
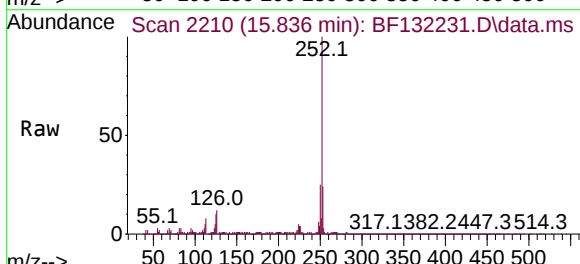
Tgt Ion:252 Resp: 994772

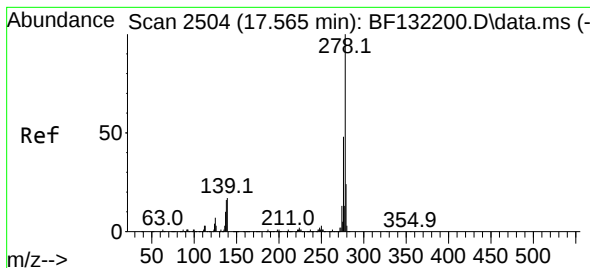
Ion Ratio Lower Upper

252 100

253 23.8 18.3 27.5

125 10.0 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 9.389 ng

RT: 17.571 min Scan# 2504

Delta R.T. 0.006 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Instrument :

BNA_F

ClientSampleId :

JC-1-012323

Tgt Ion:278 Resp: 125028

Ion Ratio Lower Upper

278 100

139 21.3 13.2 19.8

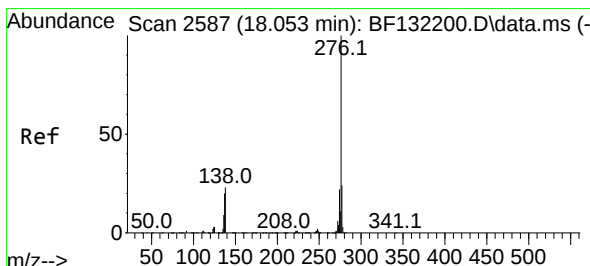
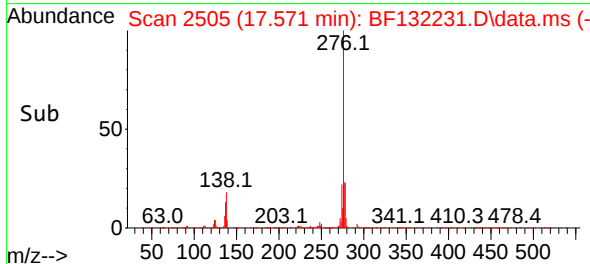
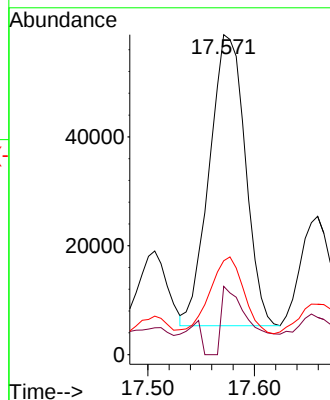
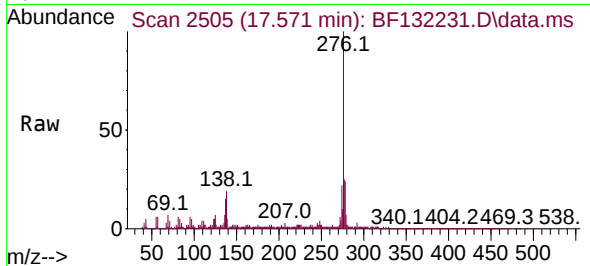
279 29.3 19.1 28.7

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#92

Benzo(g,h,i)perylene

Concen: 36.268 ng

RT: 18.077 min Scan# 2591

Delta R.T. 0.024 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Tgt Ion:276 Resp: 492402

Ion Ratio Lower Upper

276 100

277 24.8 19.1 28.7

138 21.1 18.3 27.5

