

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020223\
 Data File : BF132309.D
 Acq On : 03 Feb 2023 00:27
 Operator : CG\JU
 Sample : 01386-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-9-013123

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/03/2023
 Supervised By : Jagrut Upadhyay 02/03/2023

Quant Time: Feb 03 02:20:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 02 01:30:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.066	152	169107	20.000	ng	0.00
21) Naphthalene-d8	8.348	136	646742	20.000	ng	-0.01
39) Acenaphthene-d10	10.113	164	307916	20.000	ng	-0.01
64) Phenanthrene-d10	11.613	188	440773	20.000	ng	-0.01
76) Chrysene-d12	14.283	240	254914	20.000	ng	0.00
86) Perylene-d12	15.871	264	288067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	1116966	106.170	ng	0.00
7) Phenol-d6	6.678	99	1366399	105.348	ng	0.00
23) Nitrobenzene-d5	7.625	82	838126	72.114	ng	-0.01
42) 2,4,6-Tribromophenol	10.907	330	283474	89.523	ng	-0.01
45) 2-Fluorobiphenyl	9.430	172	1491877	74.820	ng	0.00
79) Terphenyl-d14	13.207	244	1047228	79.469	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.372	128	74720	2.347	ng	99
52) Acenaphthene	10.148	154	92427	5.003	ng	96
55) Dibenzofuran	10.319	168	65243	2.514	ng	95
58) Fluorene	10.666	166	75790	3.794	ng	99
71) Phenanthrene	11.642	178	1160120	50.368	ng	99
72) Anthracene	11.689	178	364715	15.559	ng	99
75) Fluoranthene	12.848	202	1910596	81.286	ng	97
78) Pyrene	13.077	202	2221432	108.347	ng	98
81) Benzo(a)anthracene	14.271	228	1281005	71.849	ng	96
83) Chrysene	14.312	228	1122894	67.260	ng	98
87) Indeno(1,2,3-cd)pyrene	17.530	276	909450m	47.513	ng	
88) Benzo(b)fluoranthene	15.401	252	1826759m	99.764	ng	
89) Benzo(k)fluoranthene	15.424	252	553253m	31.654	ng	
90) Benzo(a)pyrene	15.812	252	1520235	89.158	ng	97
91) Dibenzo(a,h)anthracene	17.536	278	223054m	14.494	ng	
92) Benzo(g,h,i)perylene	18.036	276	886509	55.761	ng	98

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

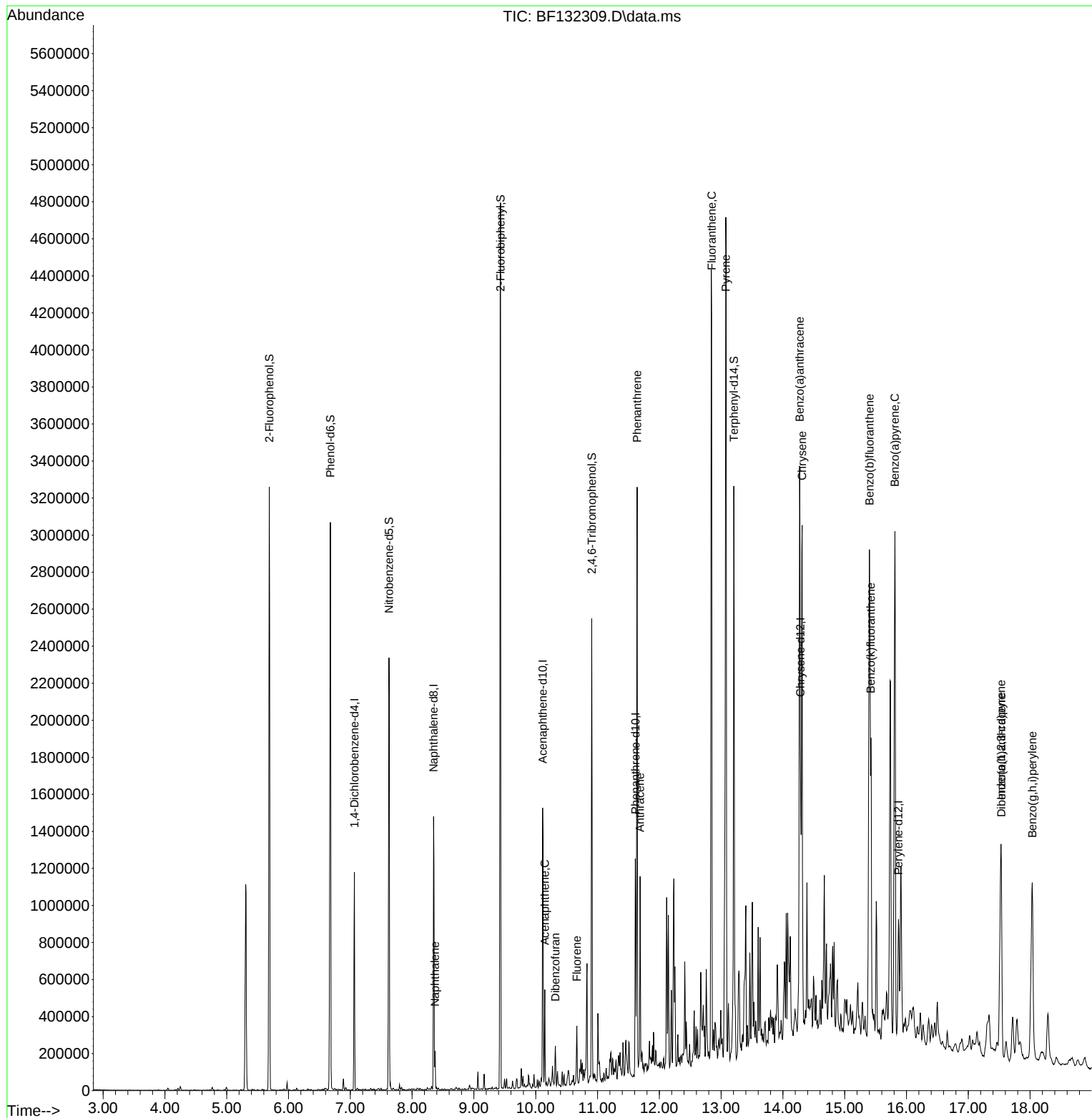
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020223\
Data File : BF132309.D
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Sample : 01386-03
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ALS Vial : 18 Sample Multiplier: 1

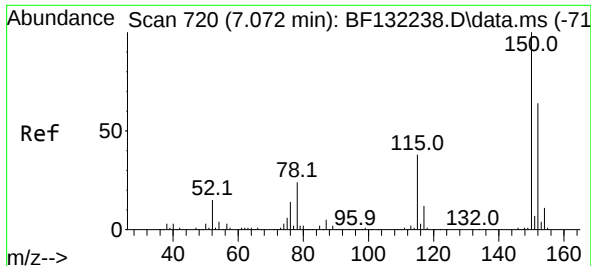
Instrument :
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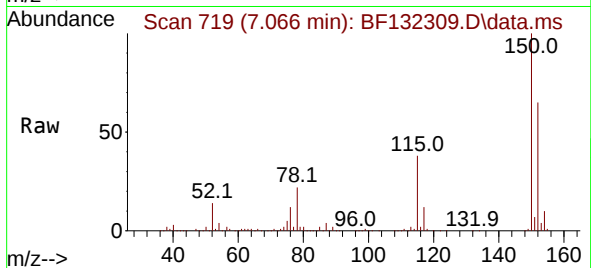
Quant Time: Feb 03 02:20:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 02 01:30:34 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.066 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

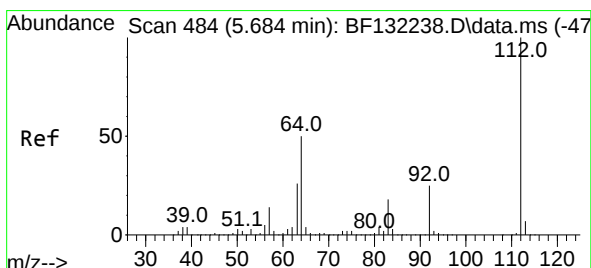
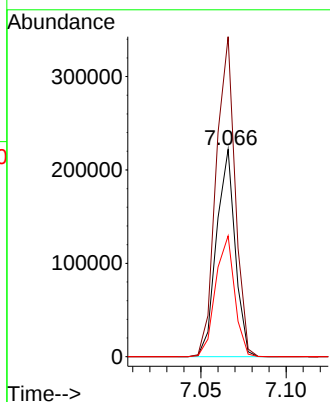
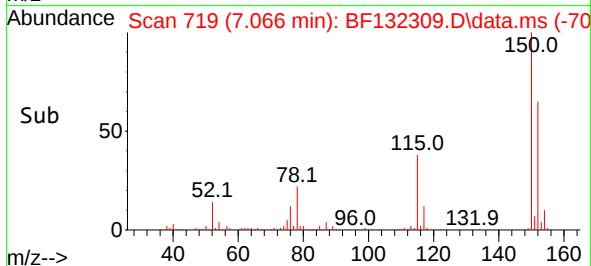
Instrument :
BNA_F
ClientSampleId :
JPP-9-013123



Tgt Ion:152 Resp: 16910
Ion Ratio Lower Upper
152 100
150 154.3 124.2 186.2
115 58.3 47.3 70.9

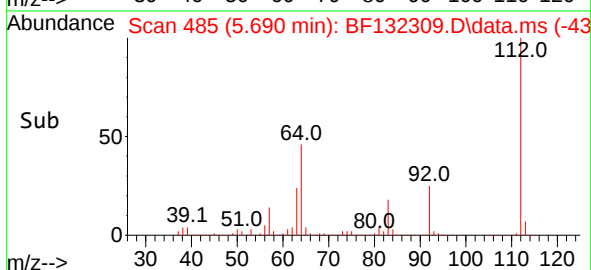
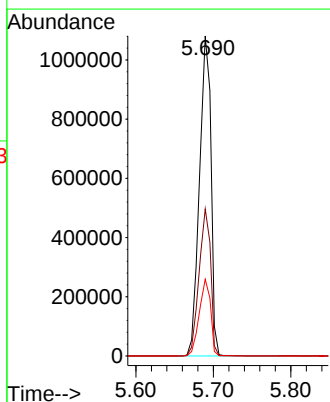
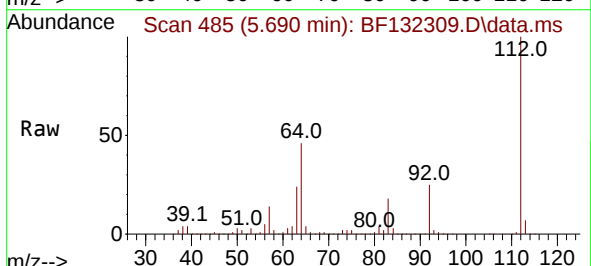
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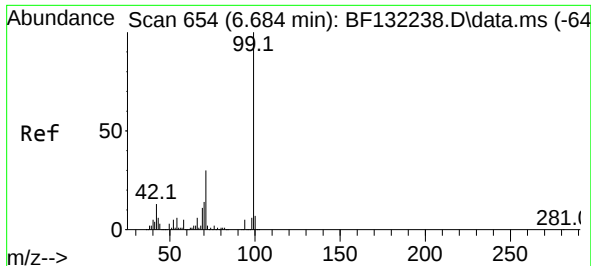
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#5
2-Fluorophenol
Concen: 106.170 ng
RT: 5.690 min Scan# 485
Delta R.T. 0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:112 Resp: 1116966
Ion Ratio Lower Upper
112 100
64 45.9 40.0 60.0
63 24.0 20.5 30.7





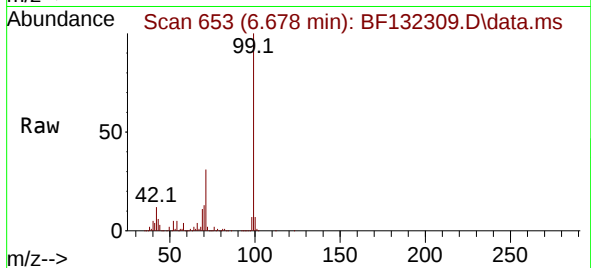
#7
Phenol-d6
Concen: 105.348 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Instrument :

BNA_F

ClientSampleId :

JPP-9-013123

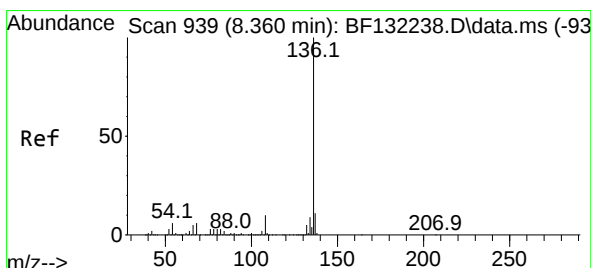
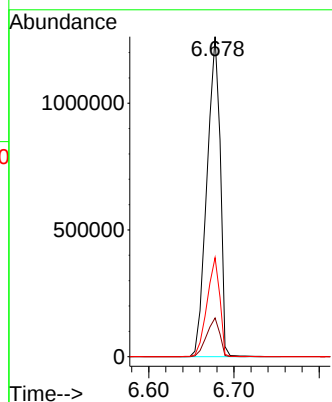
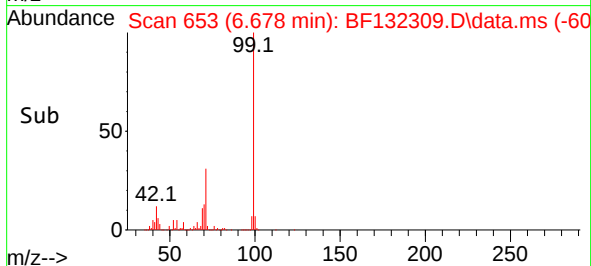


Tgt Ion: 99 Resp: 136639
Ion Ratio Lower Upper
99 100
42 12.1 10.1 15.1
71 31.0 24.2 36.4

Manual Integrations

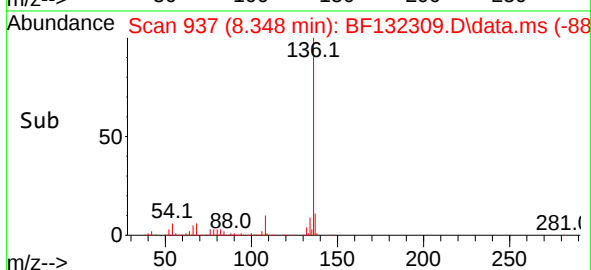
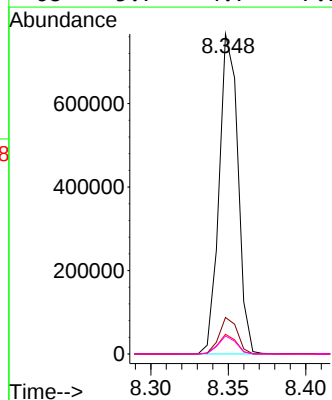
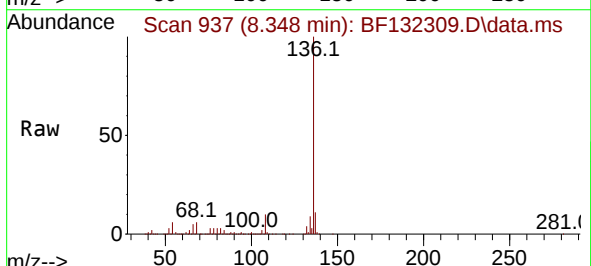
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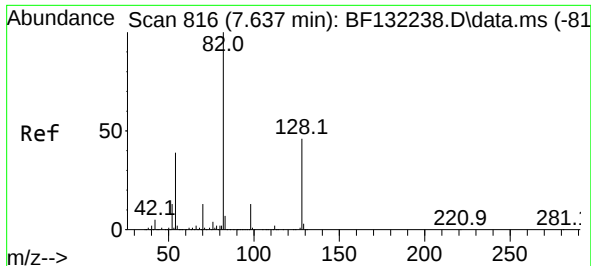
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.348 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

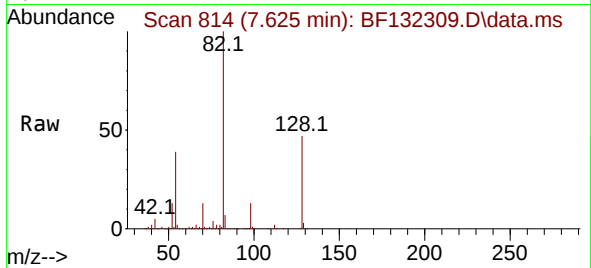
Tgt Ion:136 Resp: 646742
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 6.2 4.9 7.3
68 5.7 4.7 7.1





#23
Nitrobenzene-d5
Concen: 72.114 ng
RT: 7.625 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

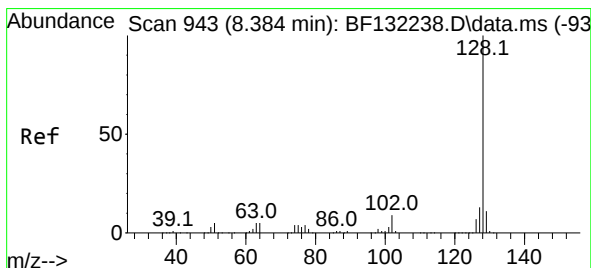
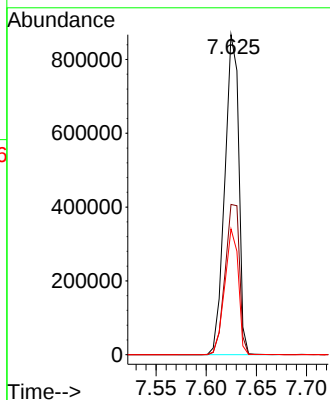
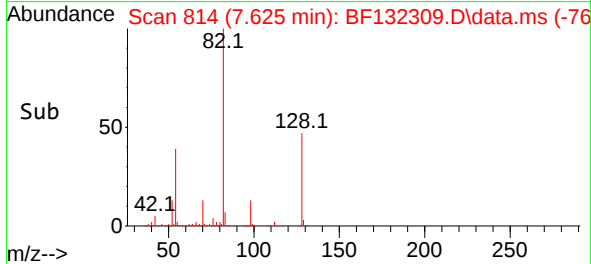
Instrument :
BNA_F
ClientSampleId :
JPP-9-013123



Tgt Ion: 82 Resp: 838120
Ion Ratio Lower Upper
82 100
128 47.0 37.0 55.4
54 39.3 31.5 47.3

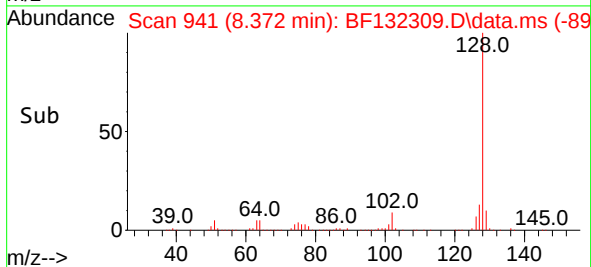
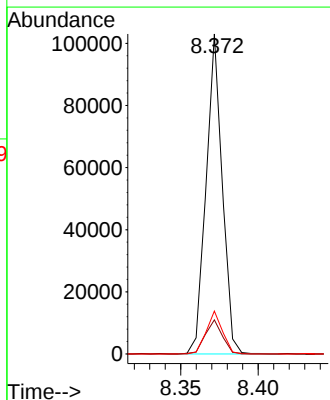
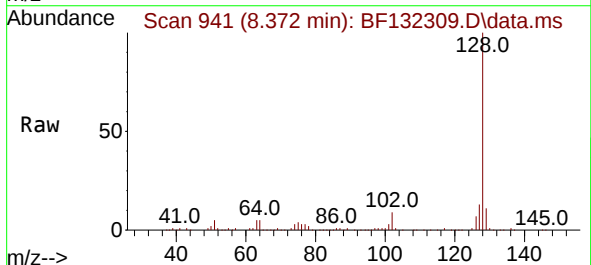
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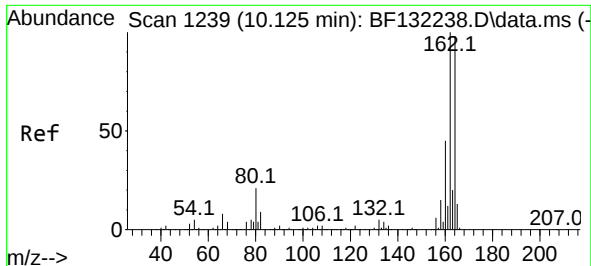
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#31
Naphthalene
Concen: 2.347 ng
RT: 8.372 min Scan# 941
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:128 Resp: 74720
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 13.4 10.5 15.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.113 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF132309.D

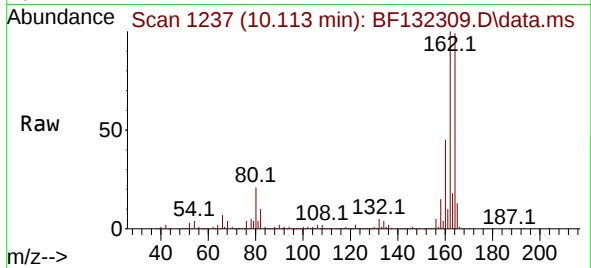
Acq: 03 Feb 2023 00:27

Instrument :

BNA_F

ClientSampleId :

JPP-9-013123



Tgt Ion:164 Resp: 307910

Ion Ratio Lower Upper

164 100

162 101.2 82.0 123.0

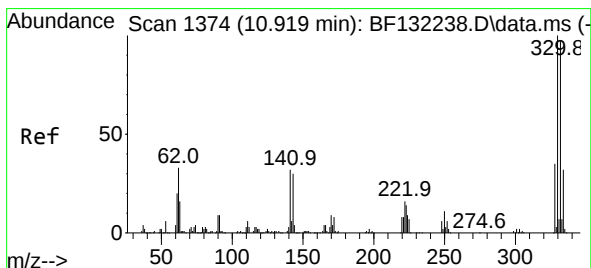
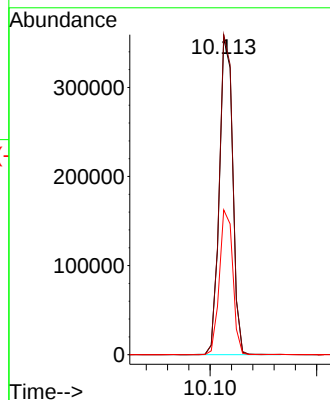
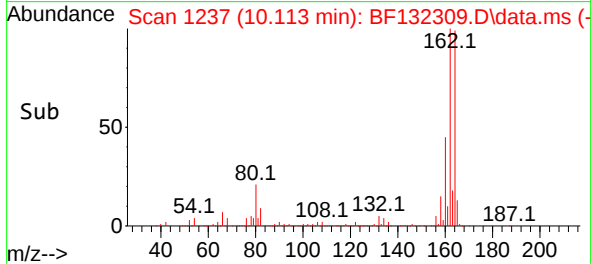
160 45.8 37.1 55.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/03/2023



#42

2,4,6-Tribromophenol

Concen: 89.523 ng

RT: 10.907 min Scan# 1372

Delta R.T. -0.012 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

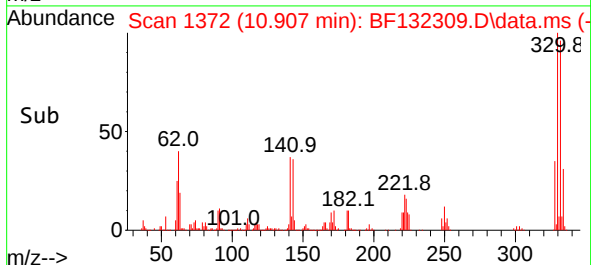
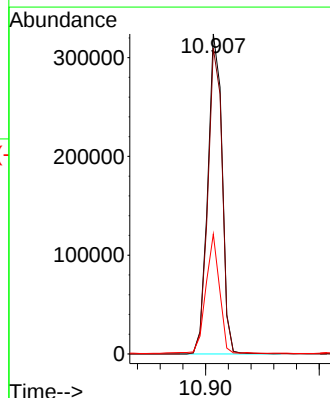
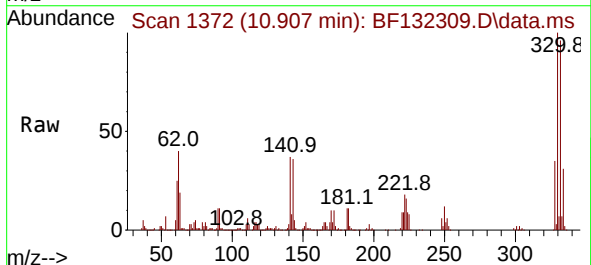
Tgt Ion:330 Resp: 283474

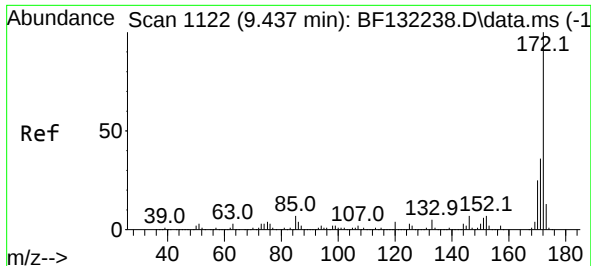
Ion Ratio Lower Upper

330 100

332 96.0 77.9 116.9

141 35.4 31.0 46.4





#45
2-Fluorobiphenyl
Concen: 74.820 ng
RT: 9.430 min Scan# 1122
Delta R.T. -0.007 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Instrument :

BNA_F

ClientSampleId :

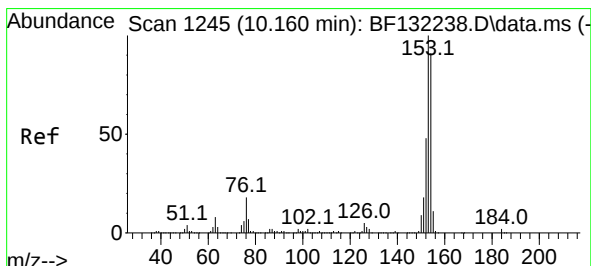
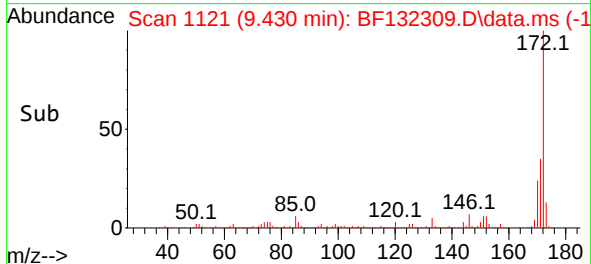
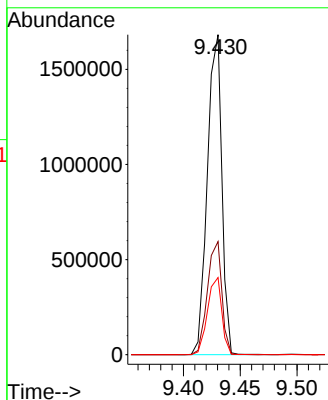
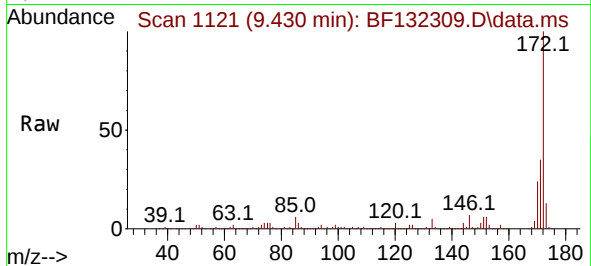
JPP-9-013123

Tgt Ion:172 Resp: 149187
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 24.1 19.7 29.5

Manual Integrations

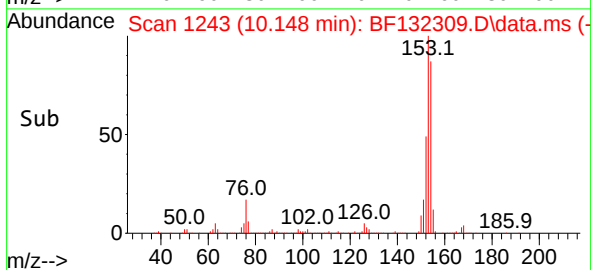
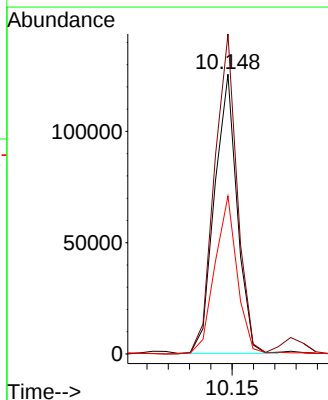
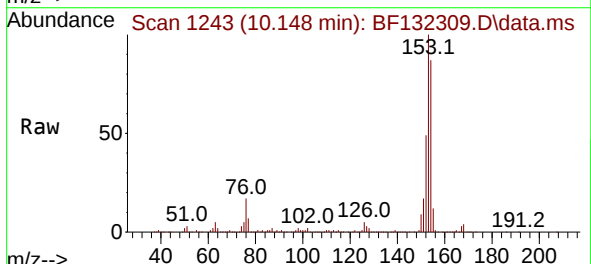
APPROVED

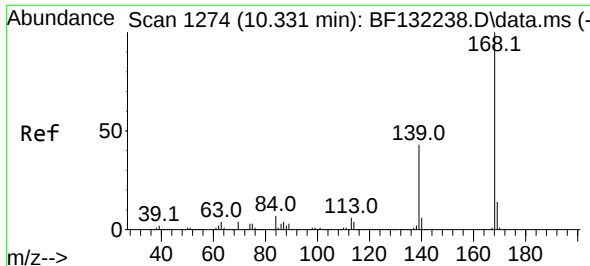
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#52
Acenaphthene
Concen: 5.003 ng
RT: 10.148 min Scan# 1243
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

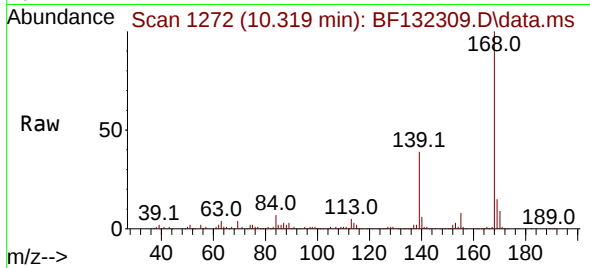
Tgt Ion:154 Resp: 92427
Ion Ratio Lower Upper
154 100
153 114.4 88.3 132.5
152 56.5 42.7 64.1





#55
Dibenzenofuran
Concen: 2.514 ng
RT: 10.319 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

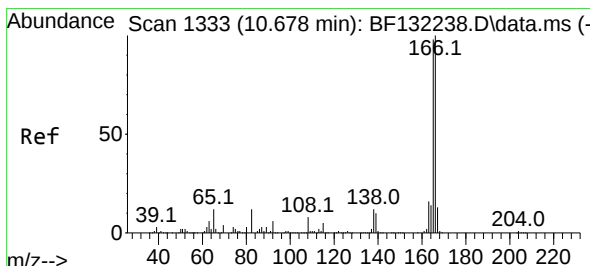
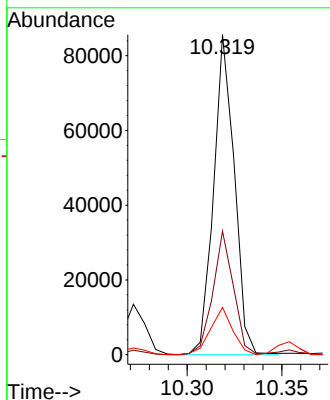
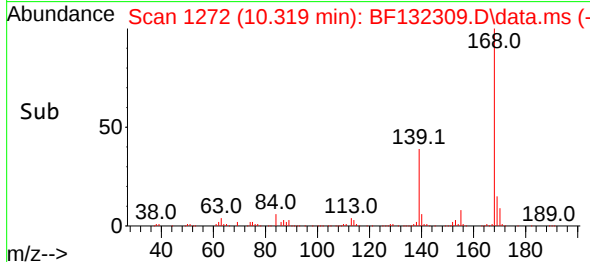
Instrument :
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JPP-9-013123



Tgt Ion:168 Resp: 6524
Ion Ratio Lower Upper
168 100
139 38.6 34.2 51.4
169 14.8 11.2 16.8

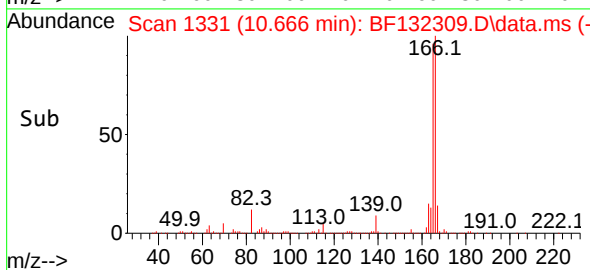
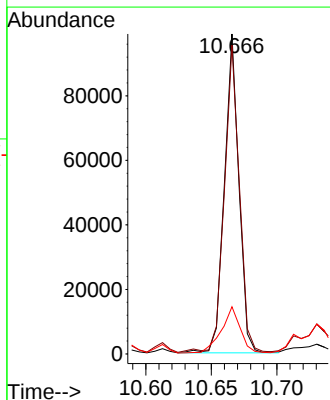
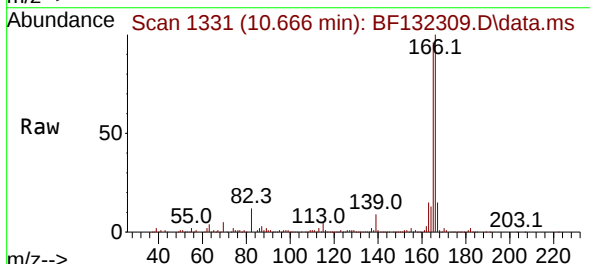
Manual Integrations
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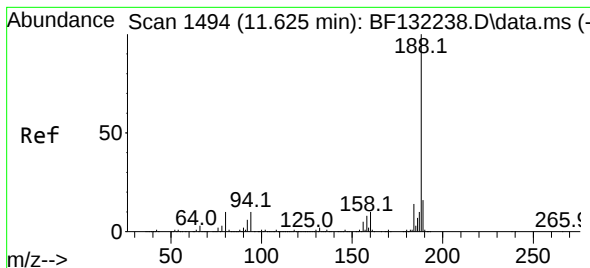
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#58
Fluorene
Concen: 3.794 ng
RT: 10.666 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:166 Resp: 75790
Ion Ratio Lower Upper
166 100
165 96.5 78.0 117.0
167 14.8 10.8 16.2





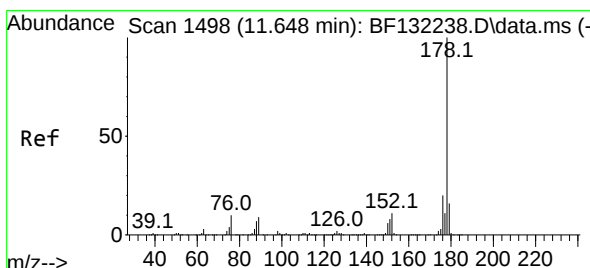
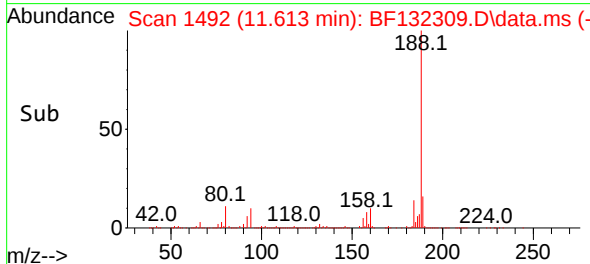
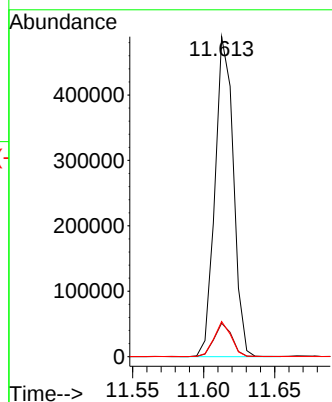
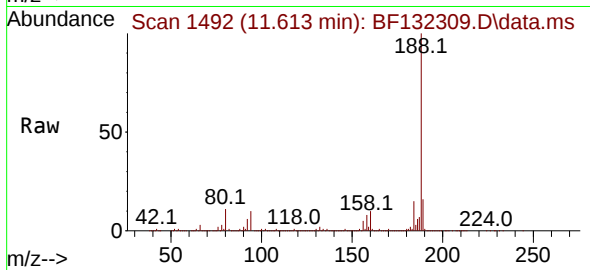
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.613 min Scan# 1492
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Instrument :
BNA_F
ClientSampleId :
JPP-9-013123

Tgt Ion:188 Resp: 44077
Ion Ratio Lower Upper
188 100
94 10.4 8.2 12.2
80 11.0 8.3 12.5

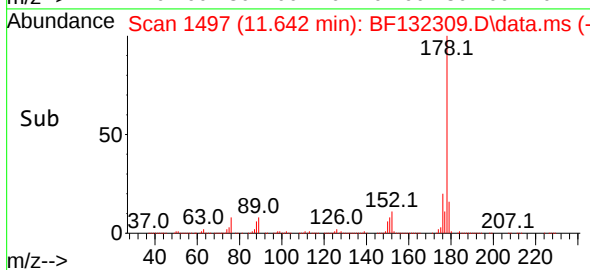
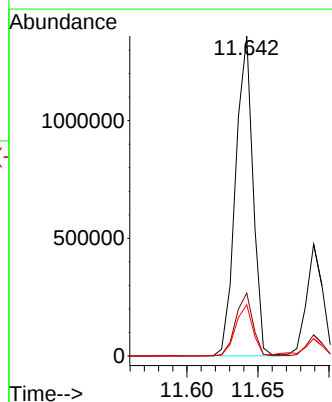
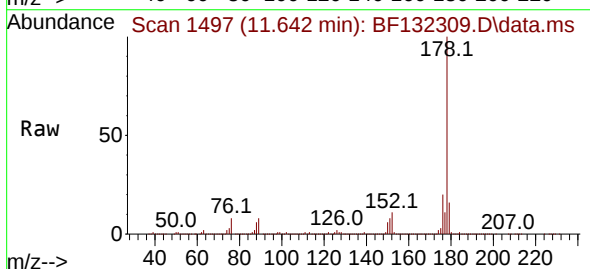
Manual Integrations
APPROVED

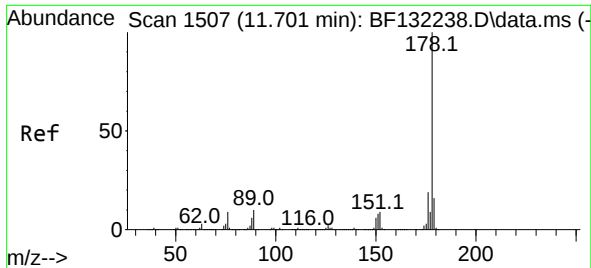
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#71
Phenanthrene
Concen: 50.368 ng
RT: 11.642 min Scan# 1497
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

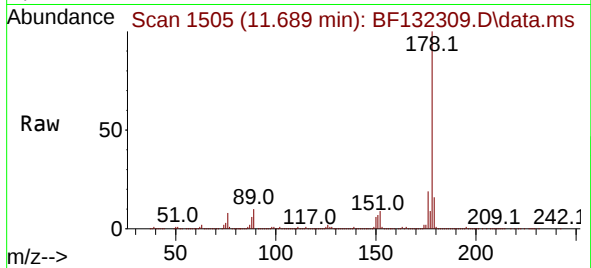
Tgt Ion:178 Resp: 1160120
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 16.0 12.8 19.2





#72
 Anthracene
 Concen: 15.559 ng
 RT: 11.689 min Scan# 11689
 Delta R.T. -0.012 min
 Lab File: BF132309.D
 Acq: 03 Feb 2023 00:27

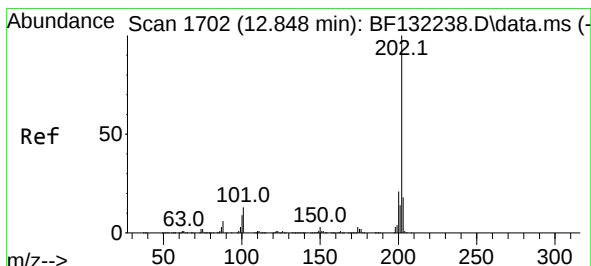
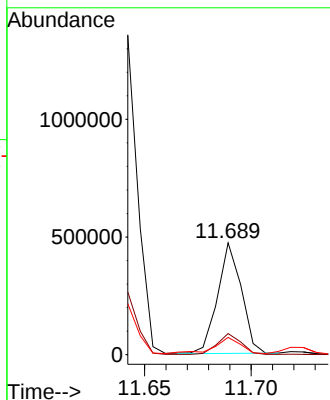
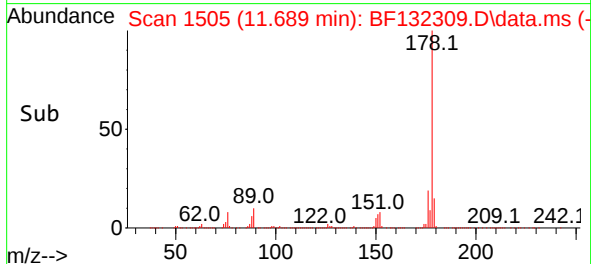
Instrument :
 BNA_F
 ClientSampleId :
 JPP-9-013123



Tgt Ion:178 Resp: 364715
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.5 12.8 19.2

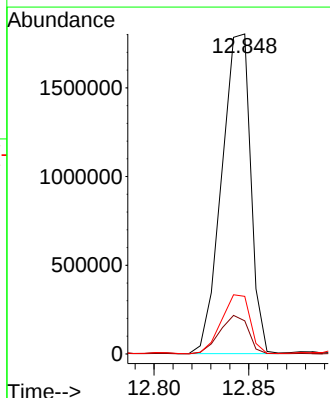
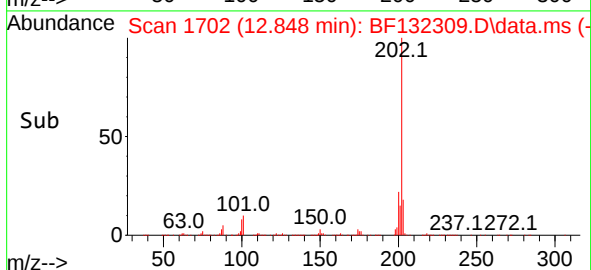
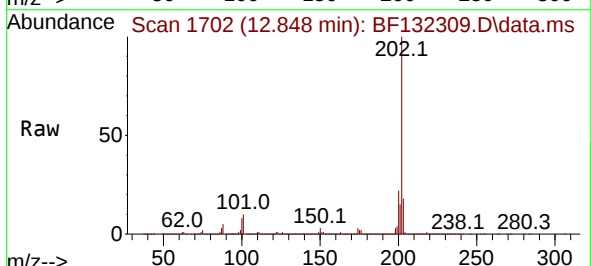
Manual Integrations
 APPROVED

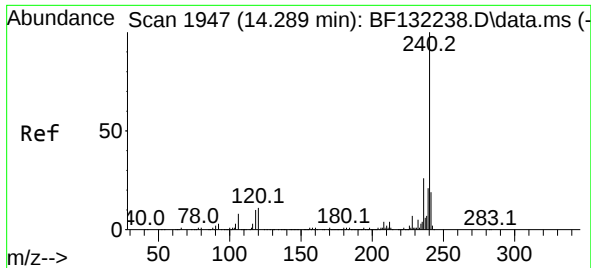
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#75
 Fluoranthene
 Concen: 81.286 ng
 RT: 12.848 min Scan# 1702
 Delta R.T. -0.000 min
 Lab File: BF132309.D
 Acq: 03 Feb 2023 00:27

Tgt Ion:202 Resp: 1910596
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 32.7
 203 18.0 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.283 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Instrument :

BNA_F

ClientSampleId :

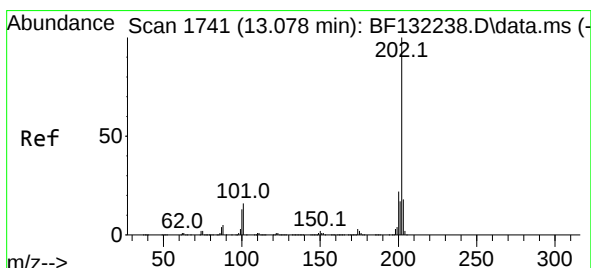
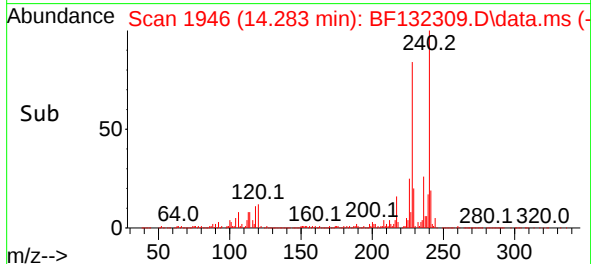
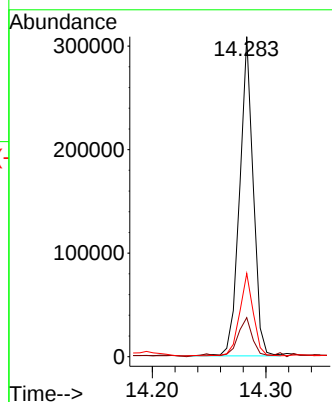
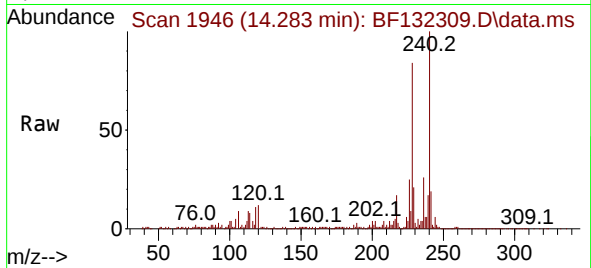
JPP-9-013123

Tgt Ion:240 Resp: 254914
Ion Ratio Lower Upper
240 100
120 12.2 8.8 13.2
236 26.0 21.0 31.6

Manual Integrations

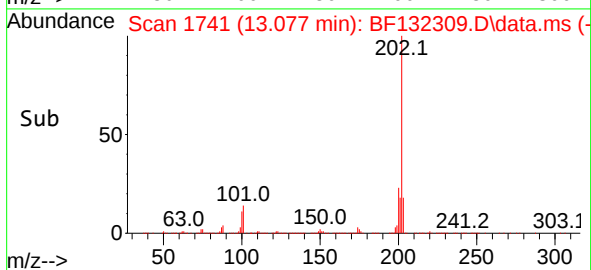
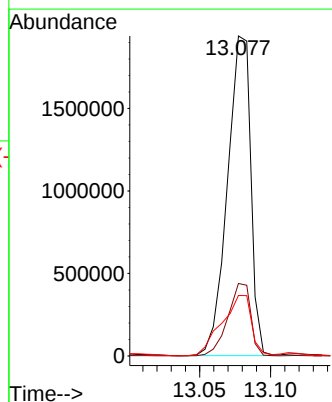
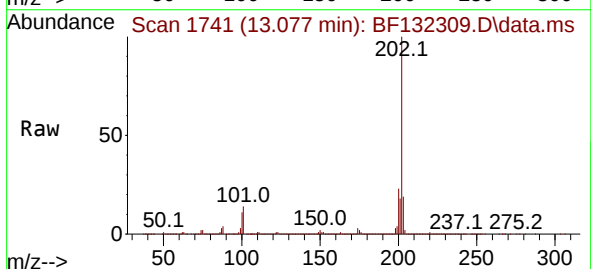
APPROVED

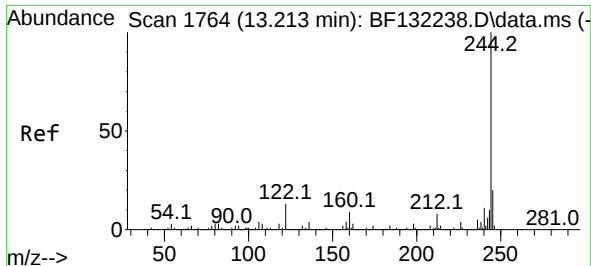
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#78
Pyrene
Concen: 108.347 ng
RT: 13.077 min Scan# 1741
Delta R.T. -0.000 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:202 Resp: 2221432
Ion Ratio Lower Upper
202 100
200 22.7 17.3 25.9
203 18.9 14.4 21.6





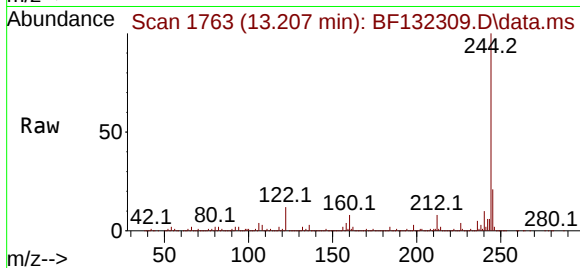
#79
Terphenyl-d14
Concen: 79.469 ng
RT: 13.207 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Instrument :

BNA_F

ClientSampleId :

JPP-9-013123

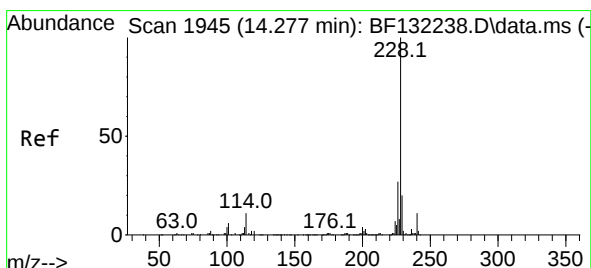
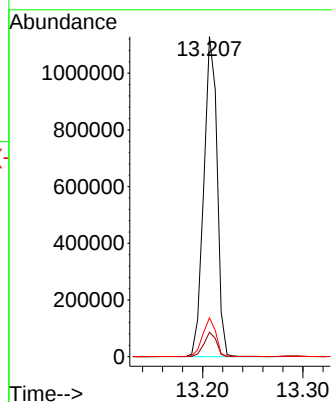
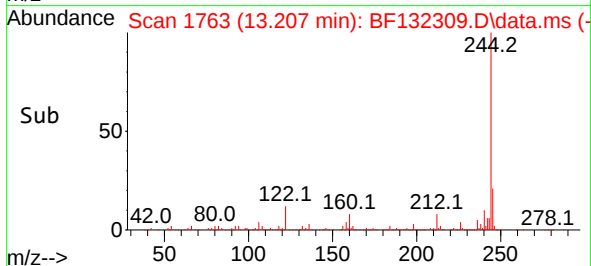


Tgt Ion:244 Resp: 1047228
Ion Ratio Lower Upper
244 100
212 7.7 6.4 9.6
122 12.1 10.5 15.7

Manual Integrations

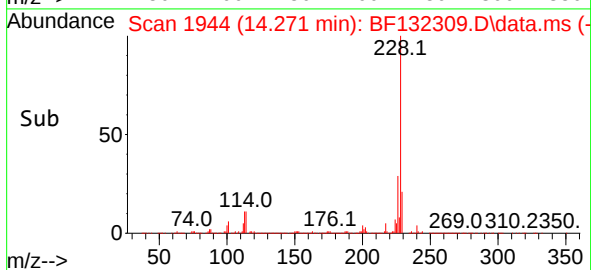
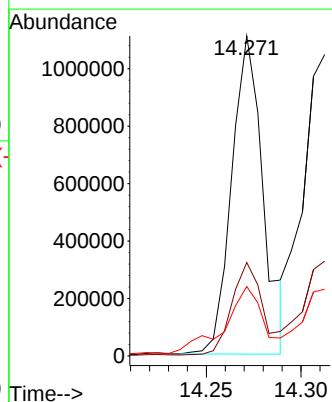
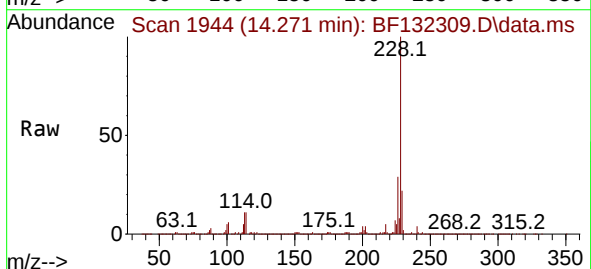
APPROVED

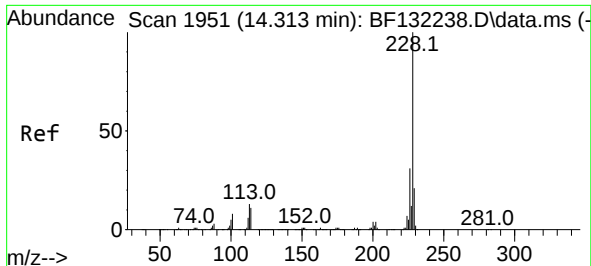
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#81
Benzo(a)anthracene
Concen: 71.849 ng
RT: 14.271 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

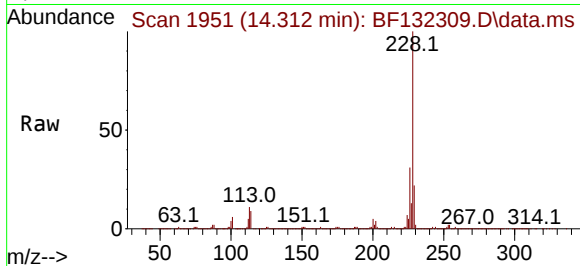
Tgt Ion:228 Resp: 1281005
Ion Ratio Lower Upper
228 100
226 29.2 22.0 33.0
229 21.7 15.8 23.6





#83
Chrysene
Concen: 67.260 ng
RT: 14.312 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

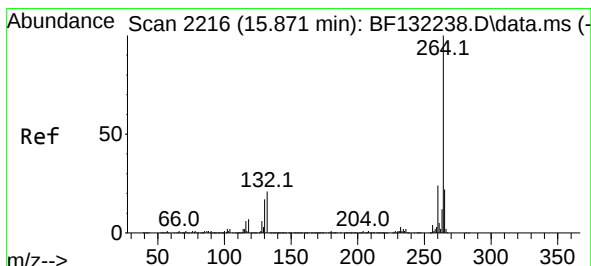
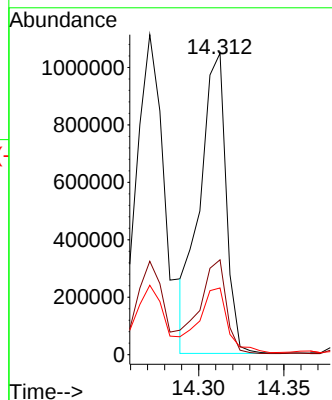
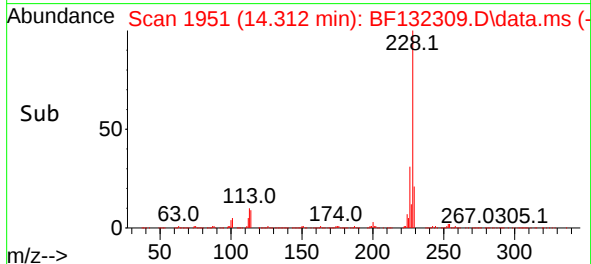
Instrument :
BNA_F
ClientSampleId :
JPP-9-013123



Tgt Ion:228 Resp: 1122894
Ion Ratio Lower Upper
228 100
226 31.5 24.9 37.3
229 22.1 16.4 24.6

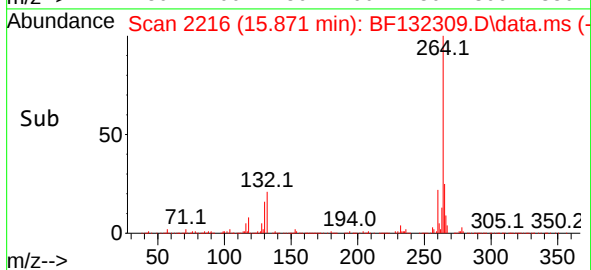
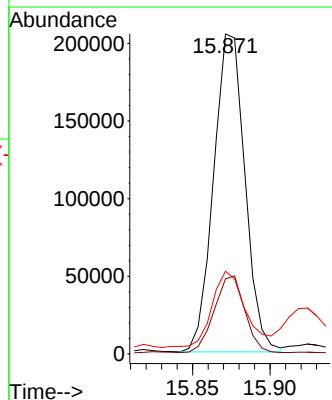
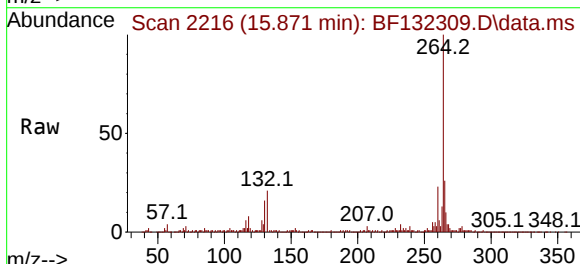
Manual Integrations
APPROVED

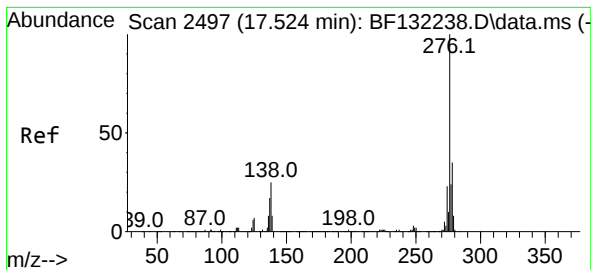
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.871 min Scan# 2216
Delta R.T. -0.000 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:264 Resp: 288067
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.4
265 25.9 17.4 26.2





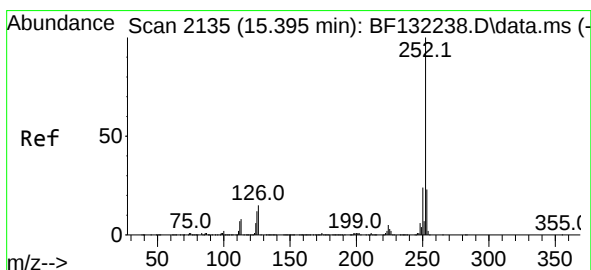
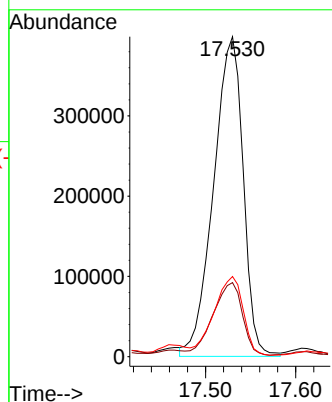
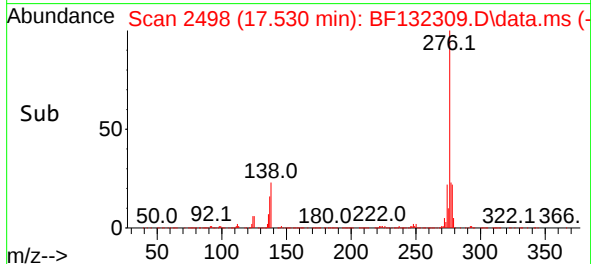
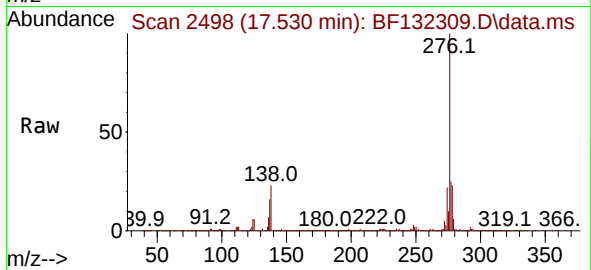
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.513 ng m
RT: 17.530 min Scan# 2497
Delta R.T. 0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Instrument :
BNA_F
ClientSampleId :
JPP-9-013123

Tgt Ion:276 Resp: 909450
Ion Ratio Lower Upper
276 100
138 4.6 23.3 34.9
277 4.5 20.0 30.0

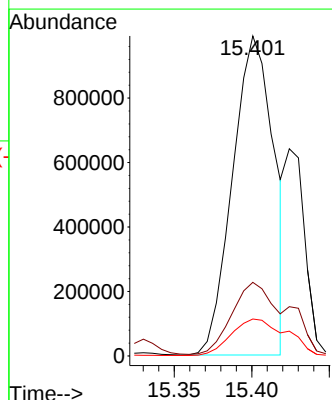
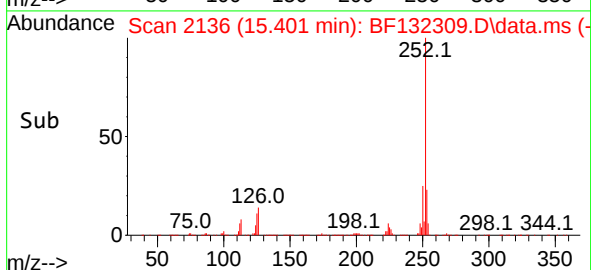
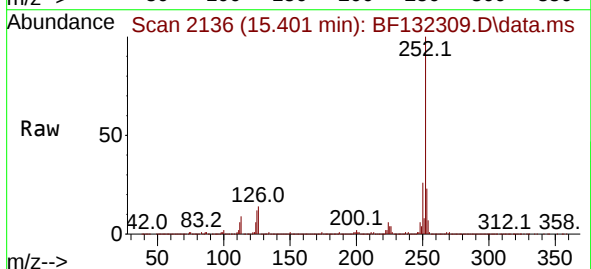
Manual Integrations
APPROVED

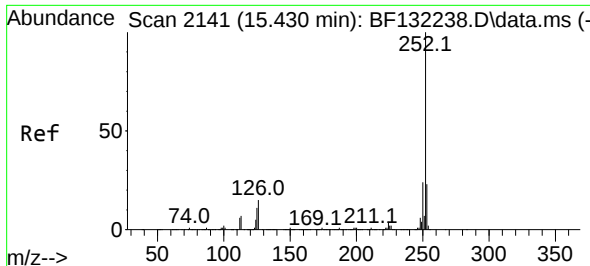
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#88
Benzo(b)fluoranthene
Concen: 99.764 ng m
RT: 15.401 min Scan# 2136
Delta R.T. 0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

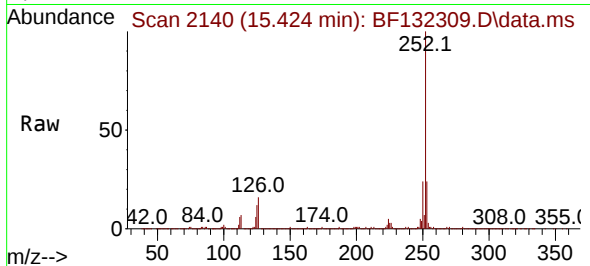
Tgt Ion:252 Resp: 1826759
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.5 9.6 14.4





#89
Benzo(k)fluoranthene
Concen: 31.654 ng m
RT: 15.424 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

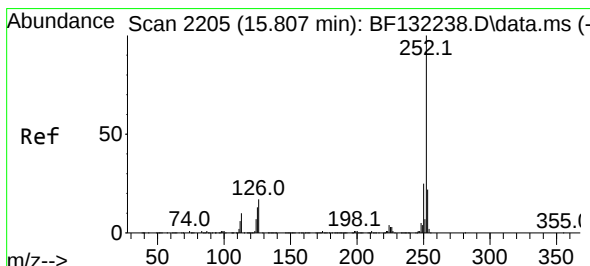
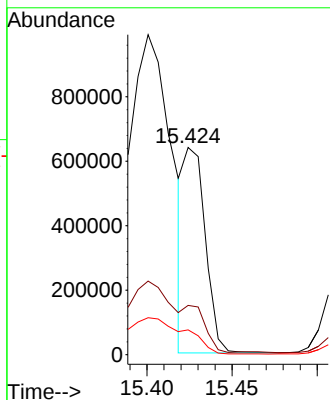
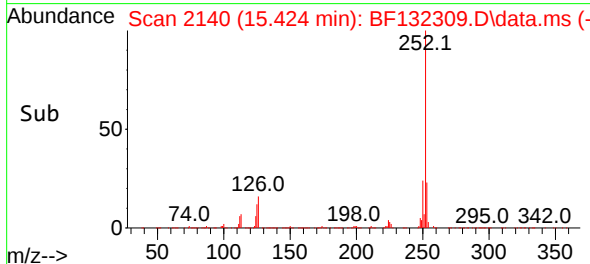
Instrument :
BNA_F
ClientSampleId :
JPP-9-013123



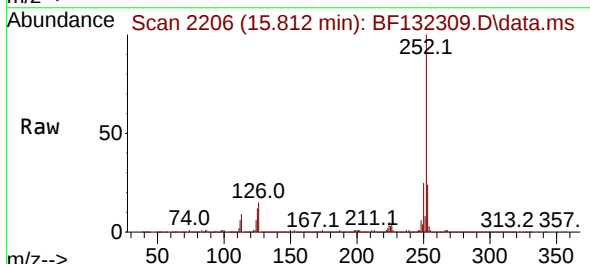
Tgt Ion:252 Resp: 55325
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 11.9 9.0 13.6

Manual Integrations
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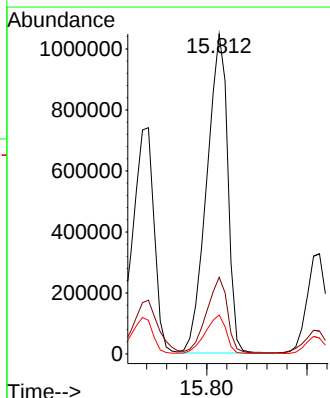
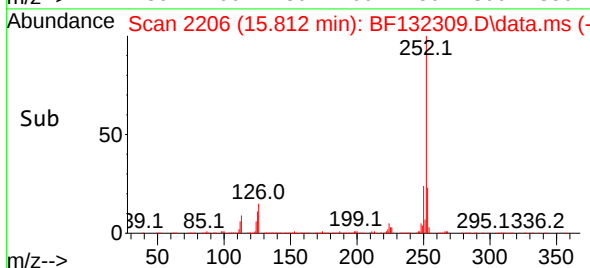
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

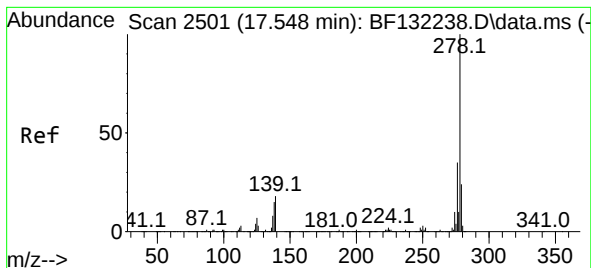


#90
Benzo(a)pyrene
Concen: 89.158 ng
RT: 15.812 min Scan# 2206
Delta R.T. 0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27



Tgt Ion:252 Resp: 1520235
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 12.2 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 14.494 ng m

RT: 17.536 min Scan# 2499

Delta R.T. -0.012 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

Instrument :

BNA_F

ClientSampleId :

JPP-9-013123

Tgt Ion:278 Resp: 223054

Ion Ratio Lower Upper

278 100

139 0.0 14.2 21.2

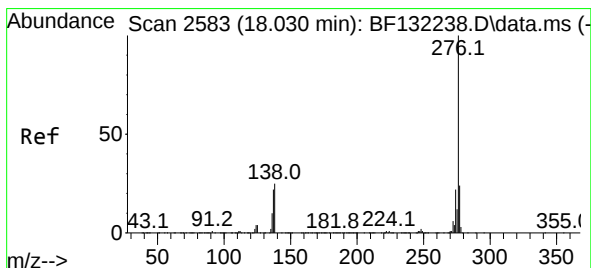
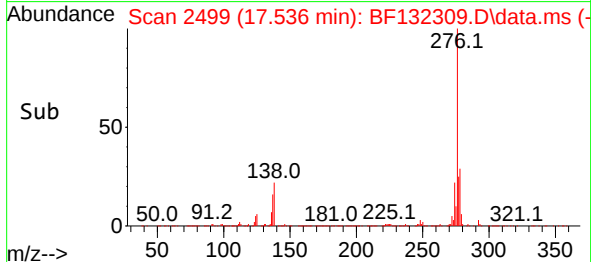
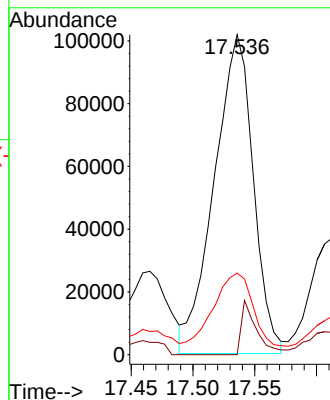
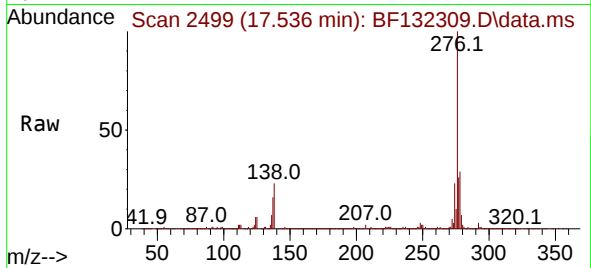
279 25.5 19.6 29.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#92

Benzo(g,h,i)perylene

Concen: 55.761 ng

RT: 18.036 min Scan# 2584

Delta R.T. 0.006 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

Tgt Ion:276 Resp: 886509

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.2

138 23.7 20.3 30.5

