

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136064.D
 Acq On : 31 Oct 2023 21:44
 Operator : CG\JU
 Sample : 04878-01RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11995RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

Quant Time: Nov 01 00:38:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	110920	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	375713	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	174284	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	327361	20.000	ng	0.00
76) Chrysene-d12	14.016	240	292337	20.000	ng	0.00
86) Perylene-d12	15.510	264	225414	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	656871	93.059	ng	0.00
7) Phenol-d6	6.451	99	742576	84.435	ng	0.00
23) Nitrobenzene-d5	7.381	82	419245	67.267	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	187656	100.876	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	720059	65.861	ng	0.00
79) Terphenyl-d14	12.957	244	928447	49.355	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.381	178	417526	25.331	ng	99
72) Anthracene	11.433	178	53445m	3.164	ng	
73) Carbazole	11.586	167	57400	3.911	ng	# 92
75) Fluoranthene	12.580	202	1099930	64.958	ng	99
78) Pyrene	12.810	202	889678	34.519	ng	100
81) Benzo(a)anthracene	14.004	228	493878	25.519	ng	97
83) Chrysene	14.039	228	562088	29.491	ng	99
87) Indeno(1,2,3-cd)pyrene	17.021	276	222426	15.098	ng	94
88) Benzo(b)fluoranthene	15.069	252	595501m	44.646	ng	
89) Benzo(k)fluoranthene	15.098	252	218133m	16.529	ng	
90) Benzo(a)pyrene	15.445	252	329475	26.585	ng	98
91) Dibenzo(a,h)anthracene	17.039	278	56588	4.689	ng	95
92) Benzo(g,h,i)perylene	17.480	276	203267	16.797	ng	99

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

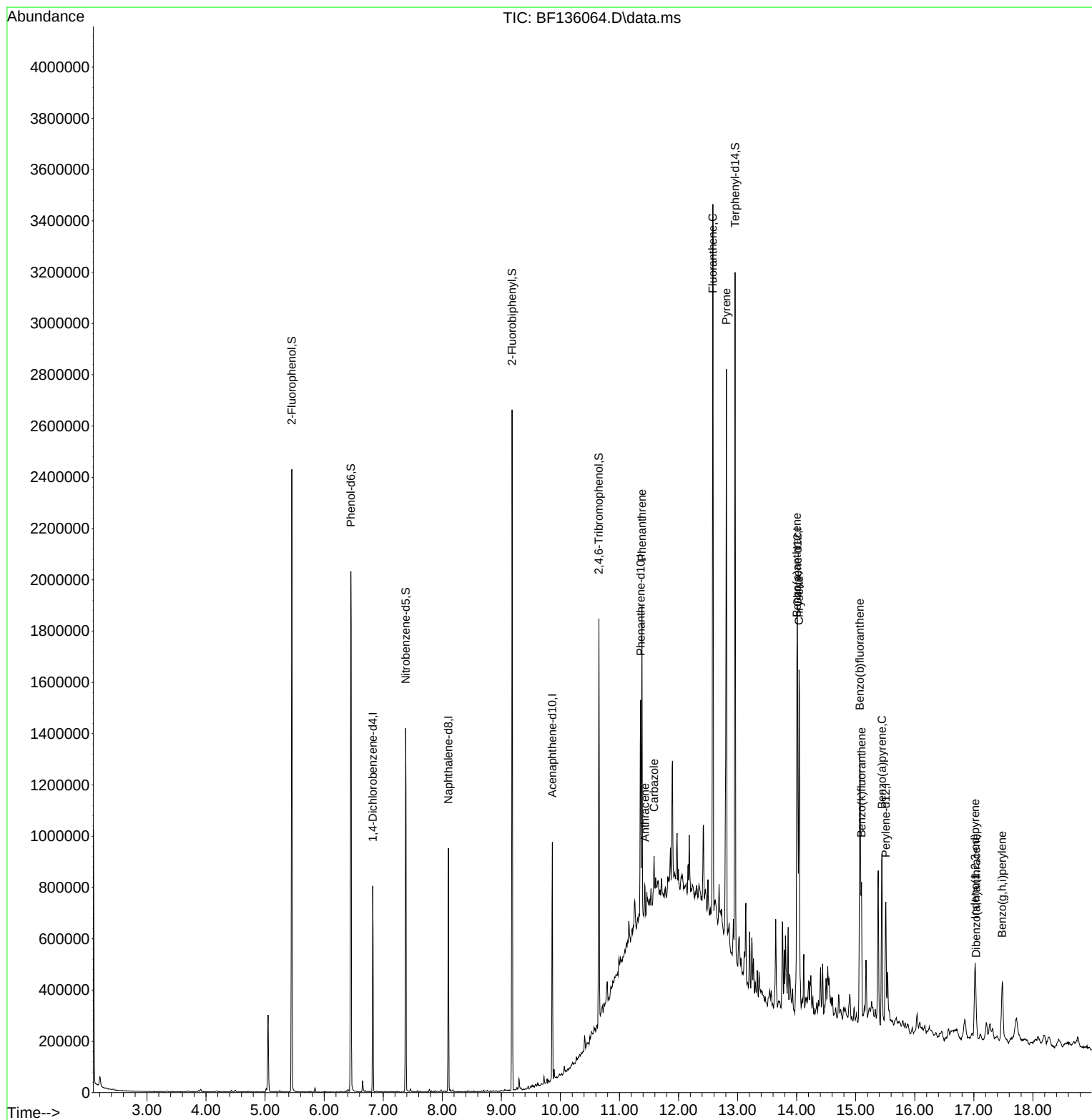
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136064.D
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ALS Vial : 22 Sample Multiplier: 1

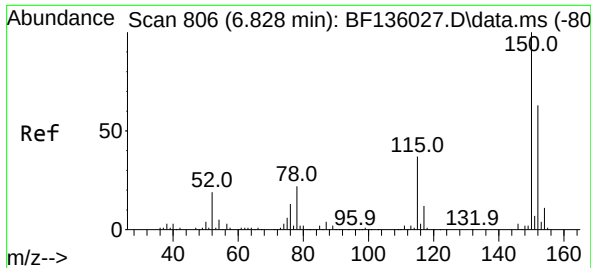
Instrument :
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72-11995RE

Quant Time: Nov 01 00:38:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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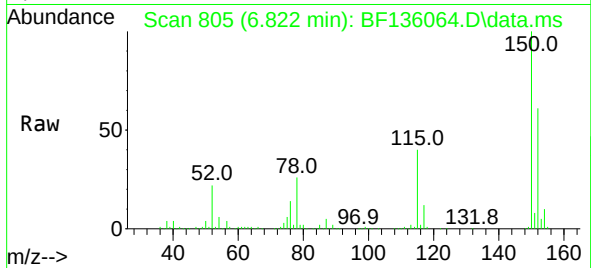
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

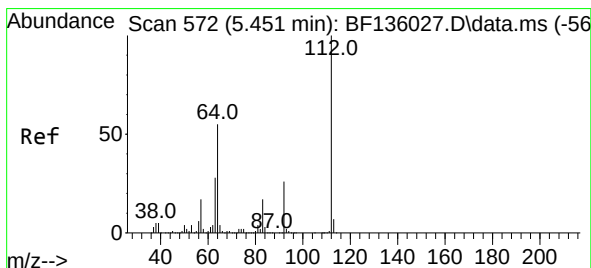
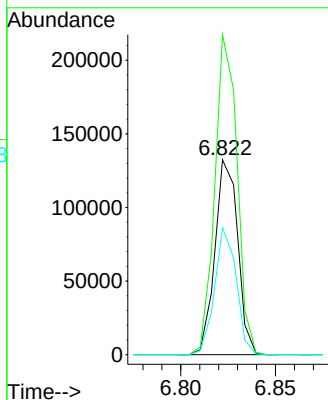
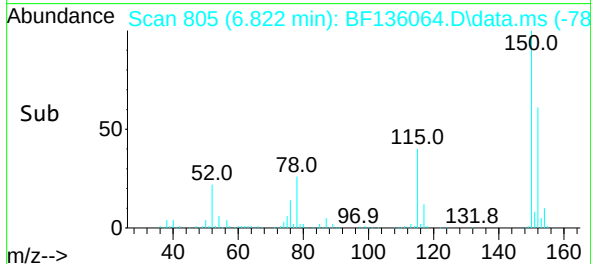
Instrument :
BNA_F
ClientSampleId :
72-11995RE



Tgt Ion:152 Resp: 110920
Ion Ratio Lower Upper
152 100
150 164.2 126.4 189.6
115 65.1 47.0 70.4

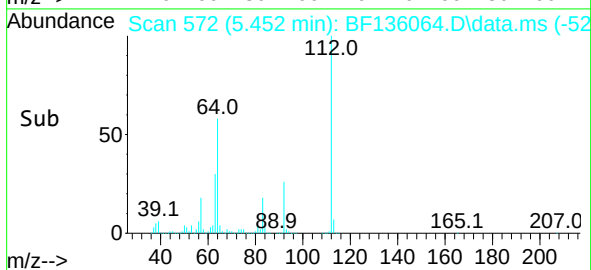
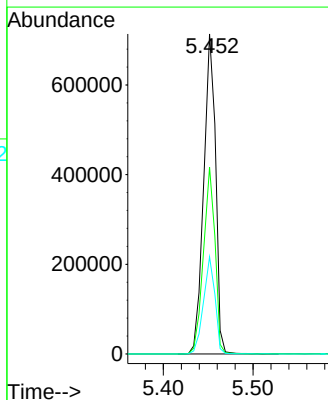
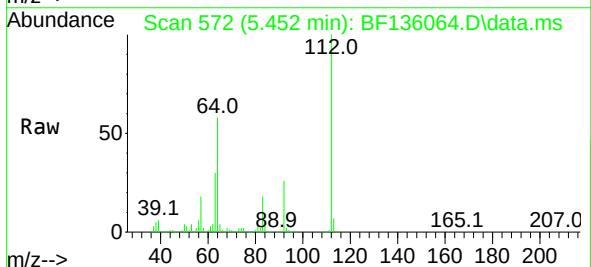
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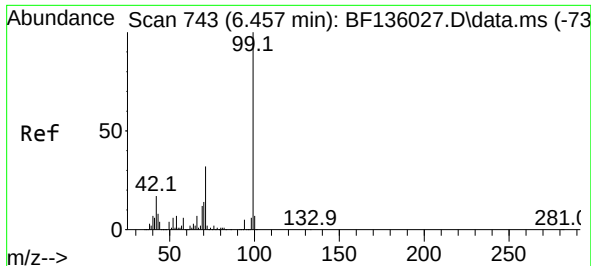
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#5
2-Fluorophenol
Concen: 93.059 ng
RT: 5.452 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion:112 Resp: 656871
Ion Ratio Lower Upper
112 100
64 58.4 43.9 65.9
63 30.4 22.4 33.6





#7

Phenol-d6

Concen: 84.435 ng

RT: 6.451 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF136064.D

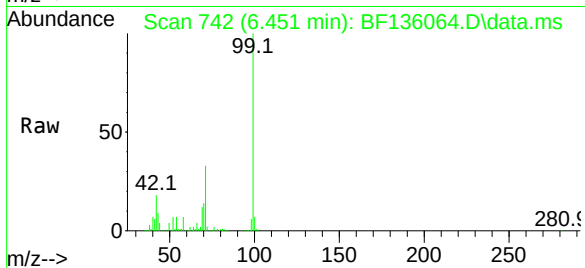
Acq: 31 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

72-11995RE



Tgt Ion: 99 Resp: 742570

Ion Ratio Lower Upper

99 100

42 17.8 13.7 20.5

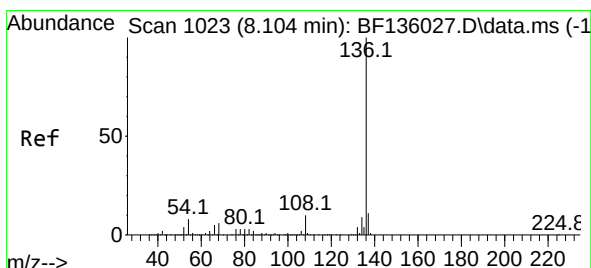
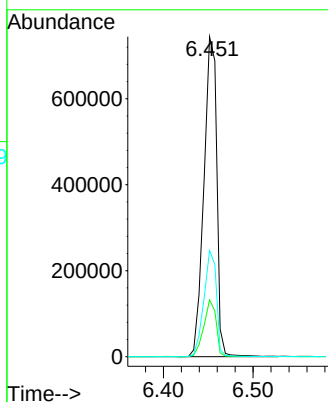
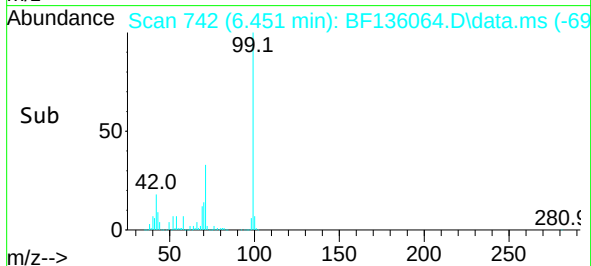
71 33.2 25.9 38.9

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

Tgt Ion:136 Resp: 375713

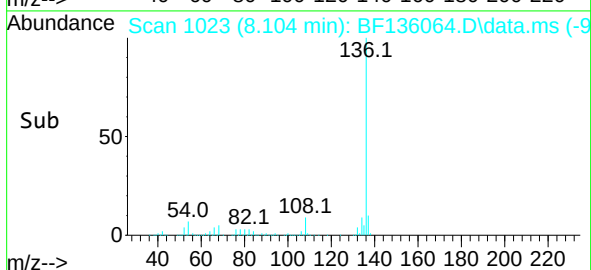
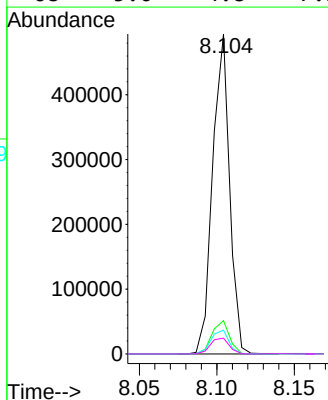
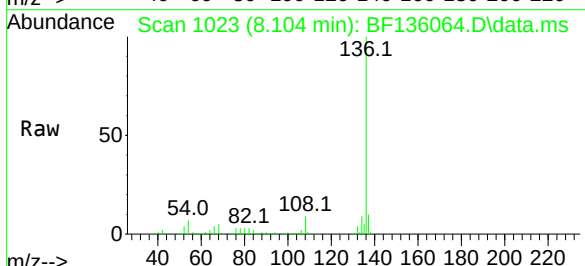
Ion Ratio Lower Upper

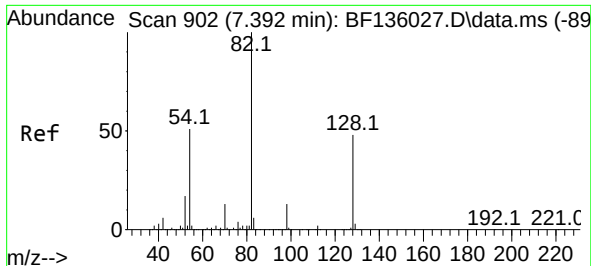
136 100

137 10.4 8.6 13.0

54 7.4 6.6 9.8

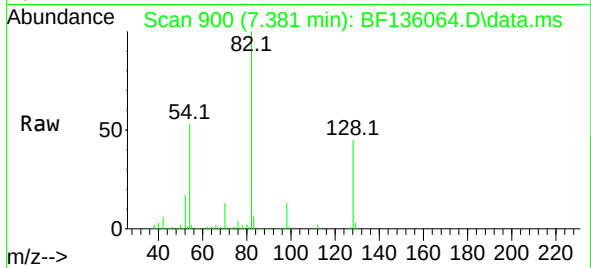
68 5.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 67.267 ng
RT: 7.381 min Scan# 902
Delta R.T. -0.011 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

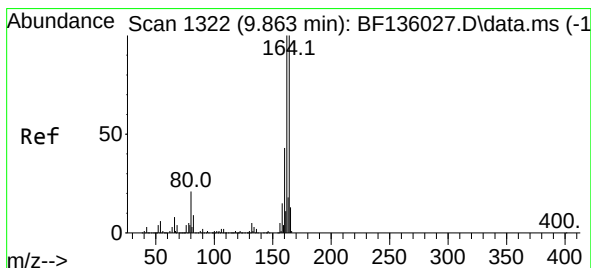
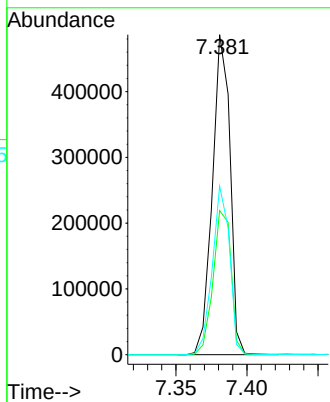
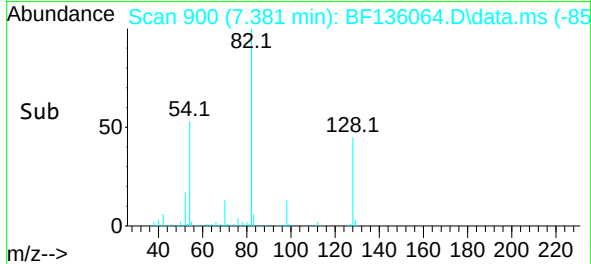
Instrument :
BNA_F
ClientSampleId :
72-11995RE



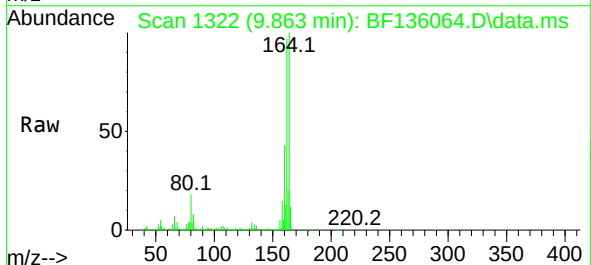
Tgt Ion: 82 Resp: 419245
Ion Ratio Lower Upper
82 100
128 45.0 38.6 57.8
54 52.7 40.8 61.2

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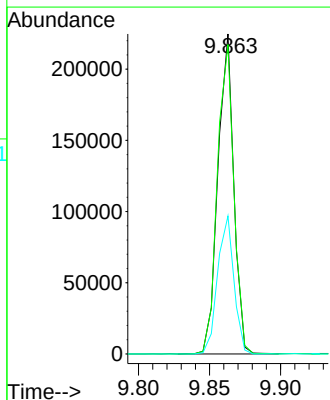
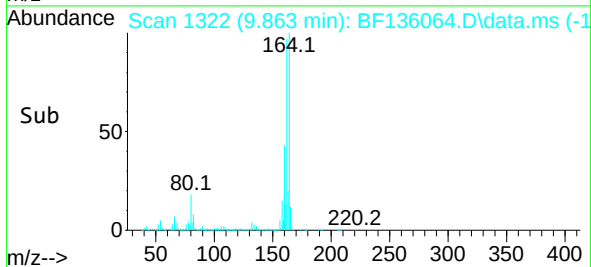
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

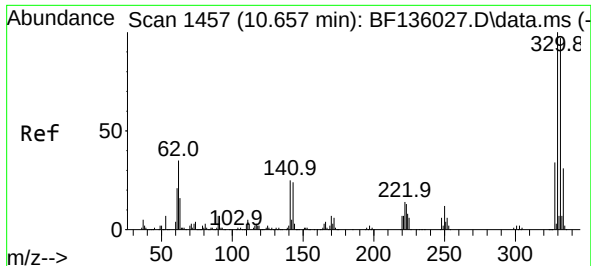


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44



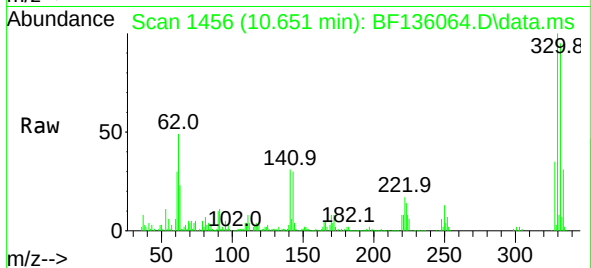
Tgt Ion:164 Resp: 174284
Ion Ratio Lower Upper
164 100
162 96.7 80.1 120.1
160 43.1 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 100.876 ng
RT: 10.651 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

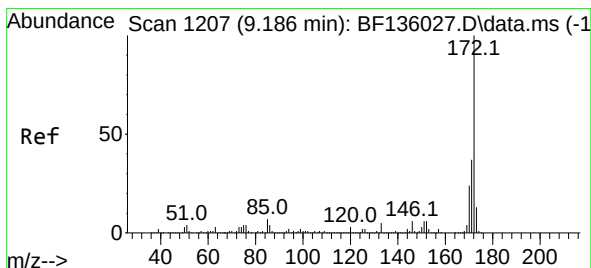
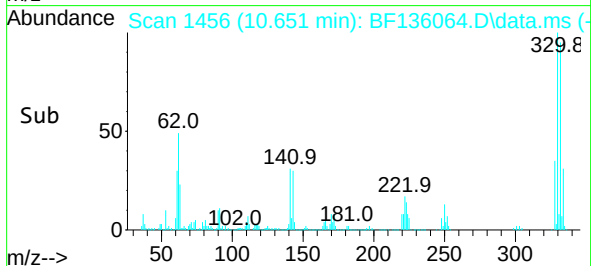
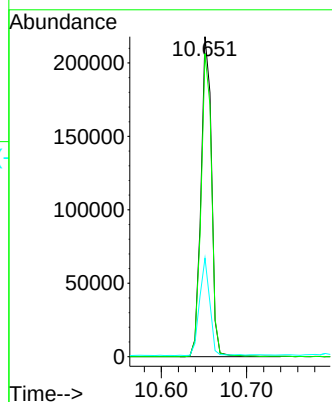
Instrument :
BNA_F
ClientSampleId :
72-11995RE



Tgt Ion: 330 Resp: 187650
Ion Ratio Lower Upper
330 100
332 95.2 76.9 115.3
141 29.5 23.2 34.8

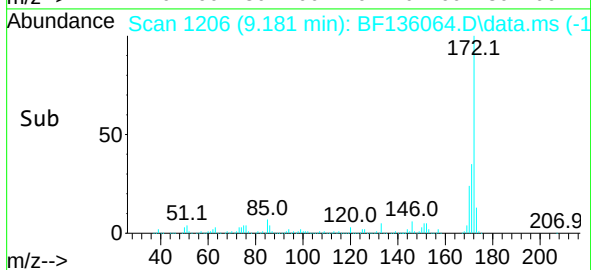
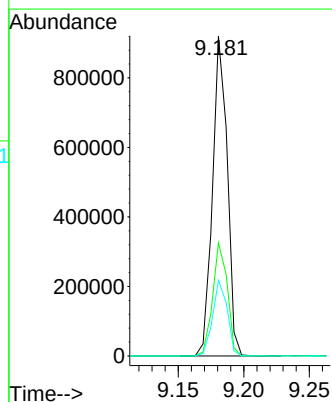
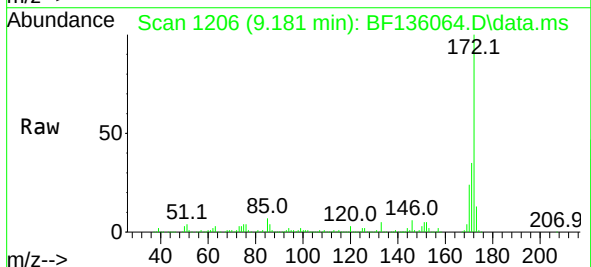
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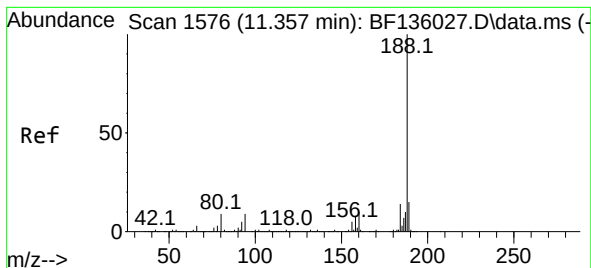
Reviewed By : Yogesh Patel 11/01/2023
Supervised By : mohammad ahmed 11/01/2023



#45
2-Fluorobiphenyl
Concen: 65.861 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion: 172 Resp: 720059
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.0
170 23.6 19.3 28.9





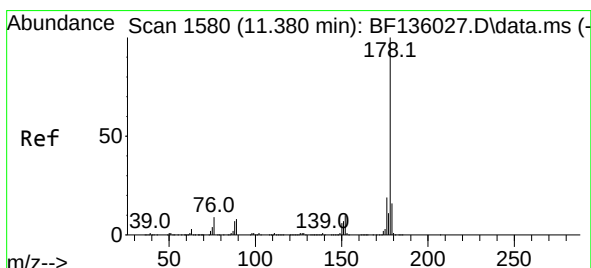
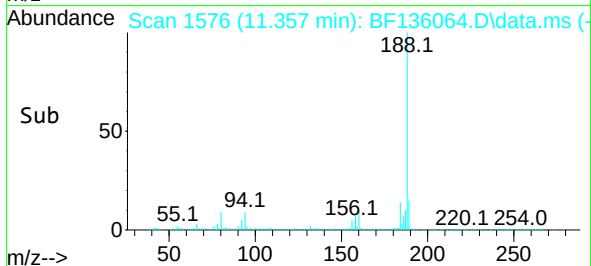
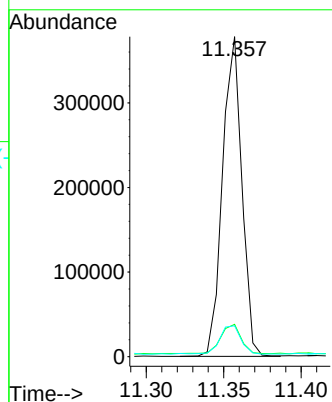
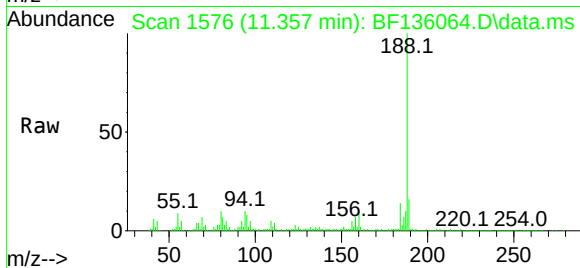
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Instrument :
BNA_F
ClientSampleId :
72-11995RE

Tgt Ion:188 Resp: 32736
Ion Ratio Lower Upper
188 100
94 10.1 7.2 10.8
80 9.7 7.4 11.0

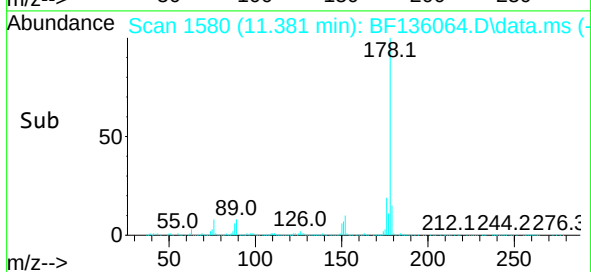
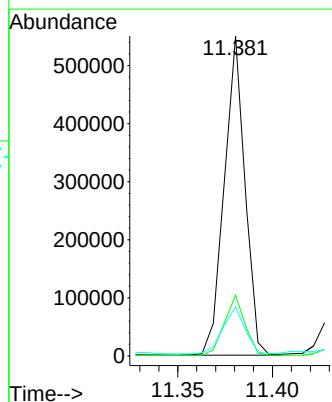
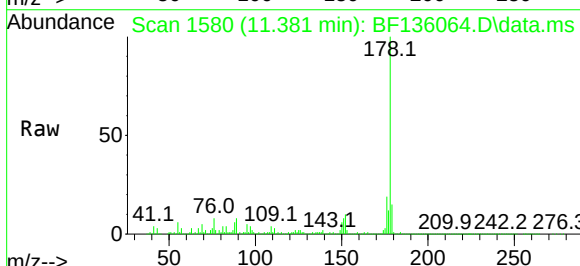
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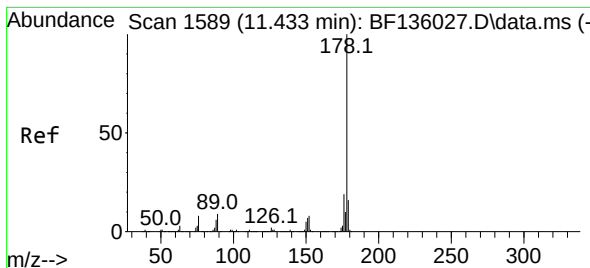
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#71
Phenanthrene
Concen: 25.331 ng
RT: 11.381 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

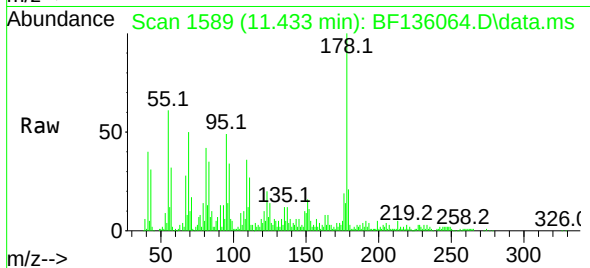
Tgt Ion:178 Resp: 417526
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.3 12.9 19.3





#72
 Anthracene
 Concen: 3.164 ng m
 RT: 11.433 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF136064.D
 Acq: 31 Oct 2023 21:44

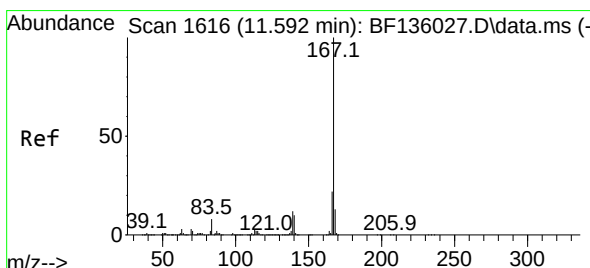
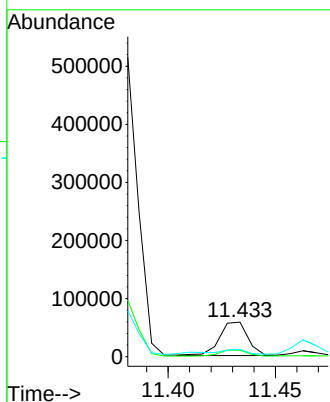
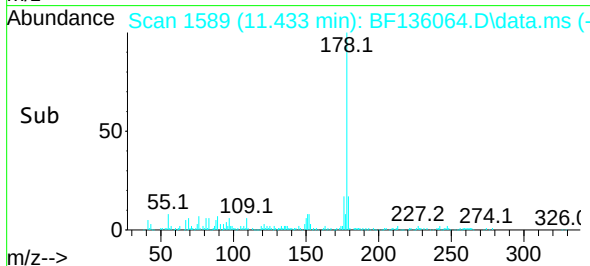
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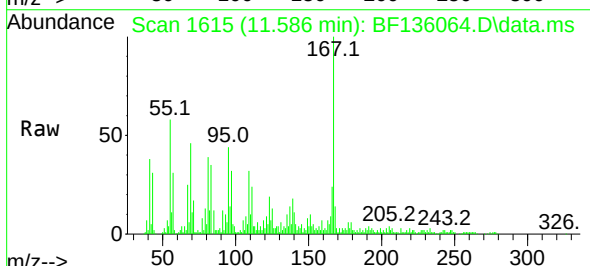
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 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.4
 179 21.5 12.6 18.8

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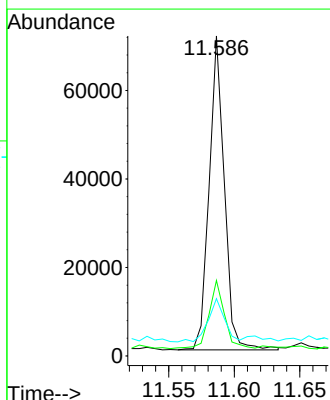
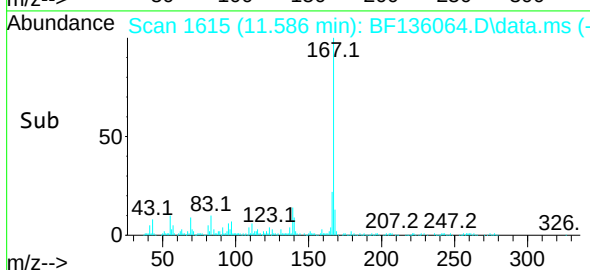
Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

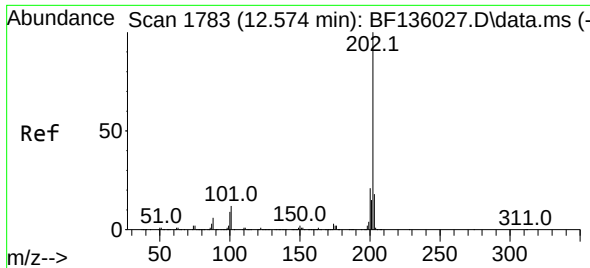


#73
 Carbazole
 Concen: 3.911 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.006 min
 Lab File: BF136064.D
 Acq: 31 Oct 2023 21:44



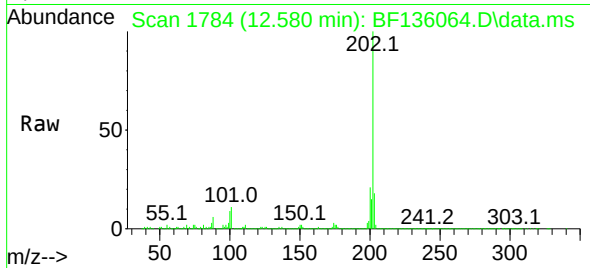
Tgt Ion:167 Resp: 57400
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.2 25.8
 139 17.9 9.9 14.9





#75
Fluoranthene
Concen: 64.958 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.006 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

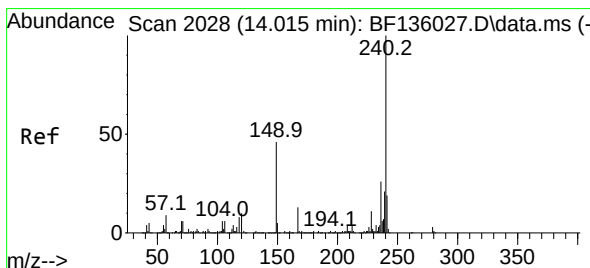
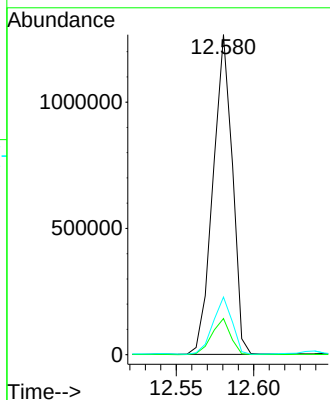
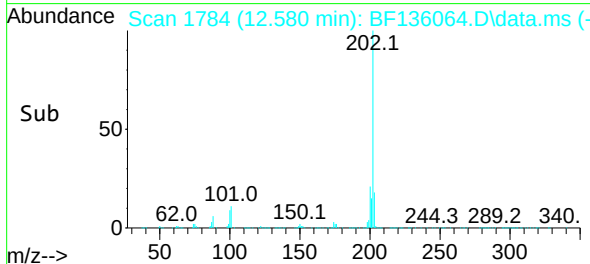
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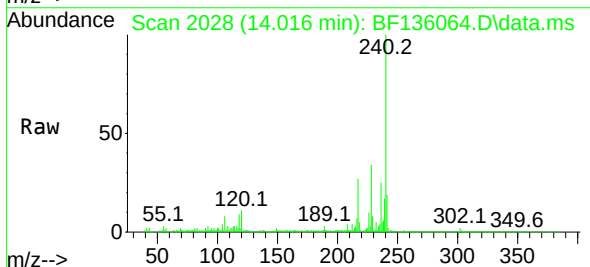
Tgt Ion:202 Resp: 1099930
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.8
203 18.0 0.0 37.9

Manual Integrations
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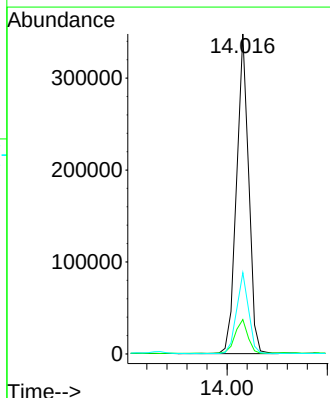
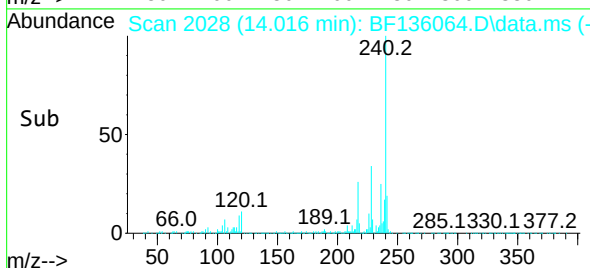
Reviewed By :Yogesh Patel 11/01/2023
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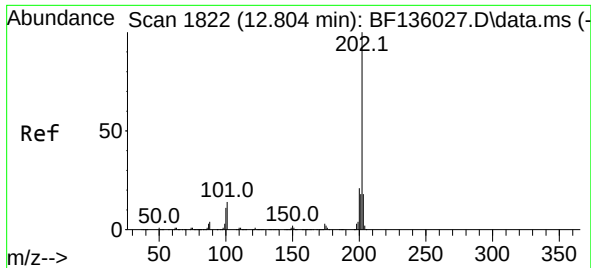


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44



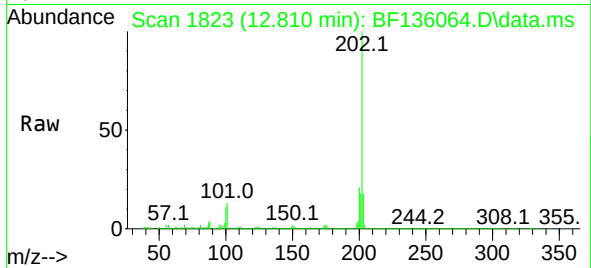
Tgt Ion:240 Resp: 292337
Ion Ratio Lower Upper
240 100
120 10.8 7.6 11.4
236 25.4 20.6 31.0





#78
Pyrene
Concen: 34.519 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.006 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

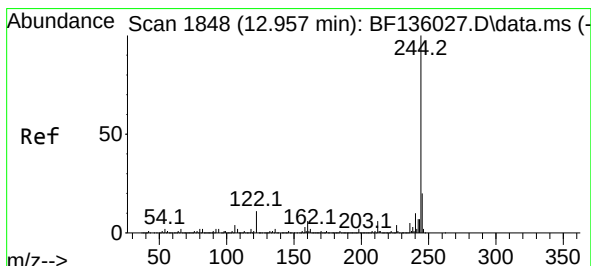
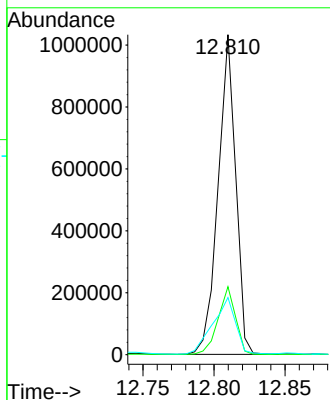
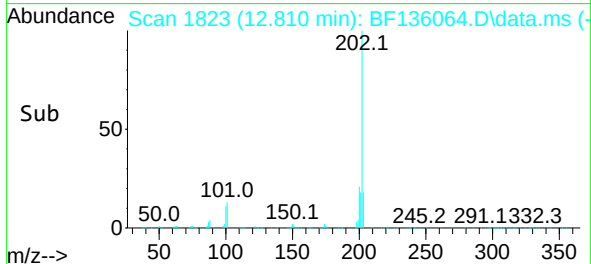
Instrument :
BNA_F
ClientSampleId :
72-11995RE



Tgt Ion:202 Resp: 889678
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.9 14.4 21.6

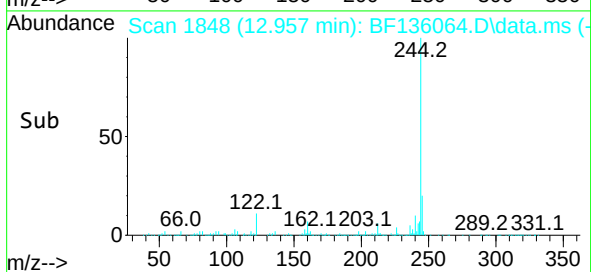
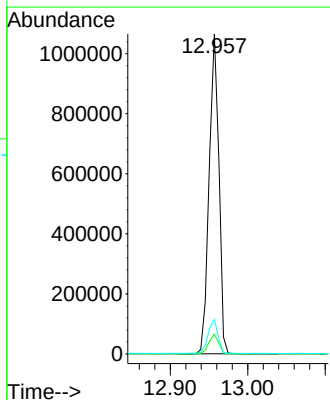
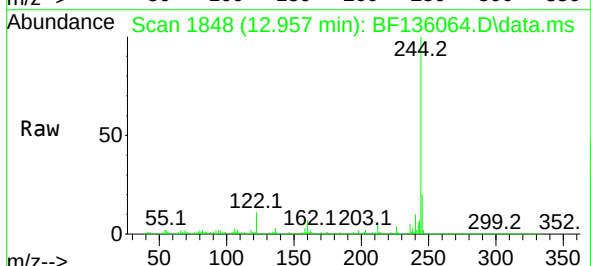
Manual Integrations
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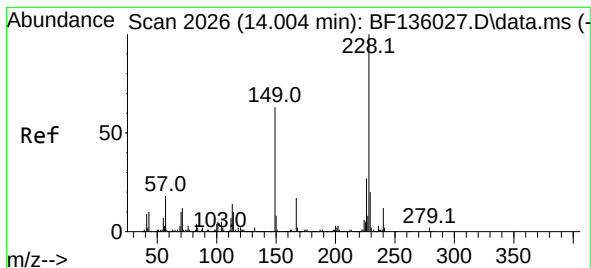
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#79
Terphenyl-d14
Concen: 49.355 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.000 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion:244 Resp: 928447
Ion Ratio Lower Upper
244 100
212 6.2 5.1 7.7
122 10.8 8.6 12.8





#81

Benzo(a)anthracene

Concen: 25.519 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

Instrument :

BNF

ClientSampleId :

72-11995RE

Tgt Ion:228 Resp: 493878

Ion Ratio Lower Upper

228 100

226 28.9 21.5 32.3

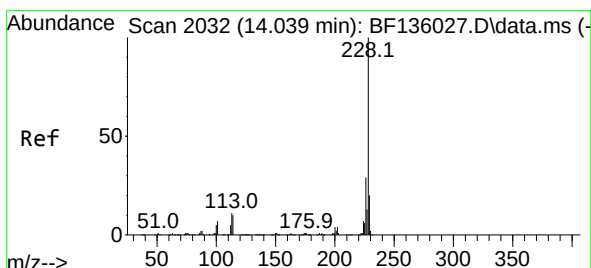
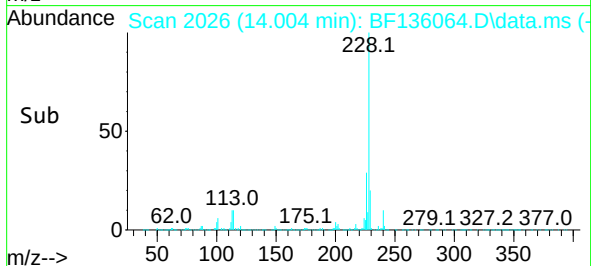
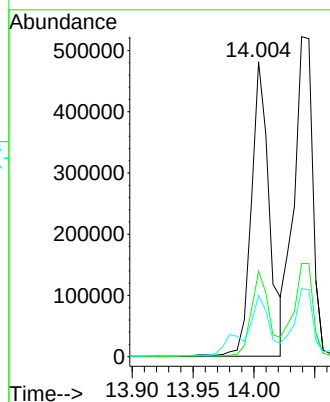
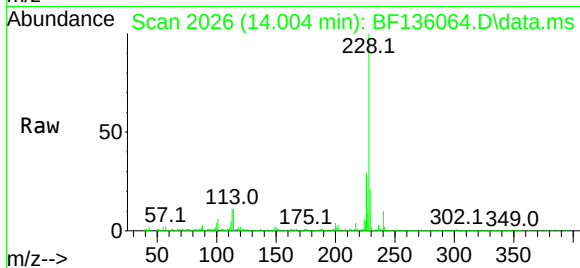
229 20.7 15.8 23.6

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Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#83

Chrysene

Concen: 29.491 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

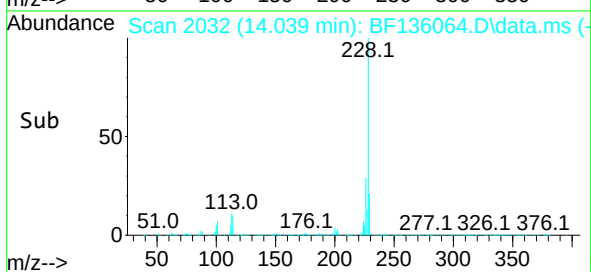
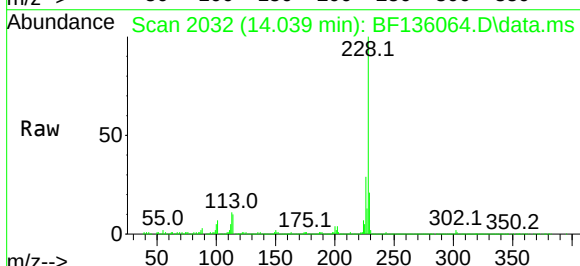
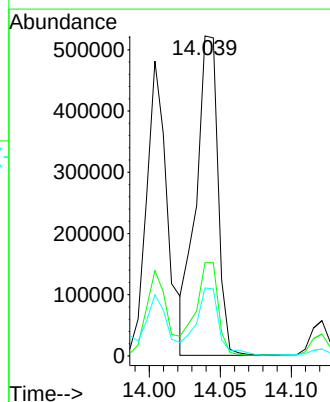
Tgt Ion:228 Resp: 562088

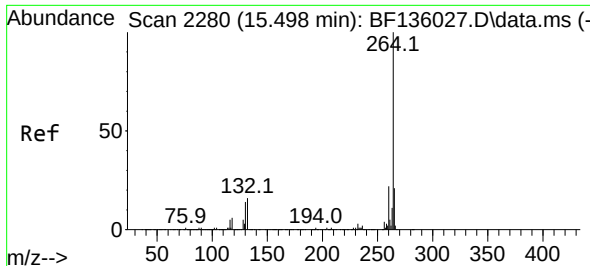
Ion Ratio Lower Upper

228 100

226 29.1 23.5 35.3

229 21.3 16.0 24.0





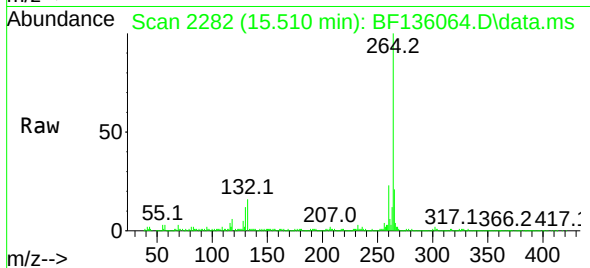
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

72-11995RE

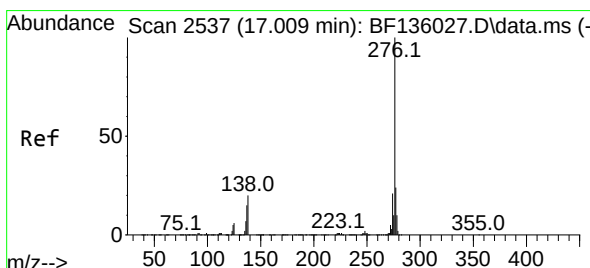
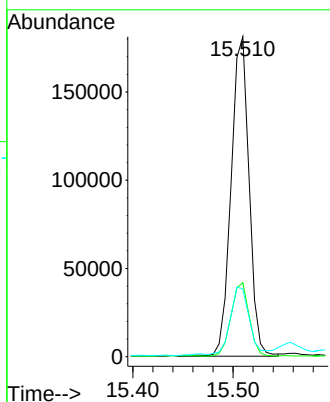
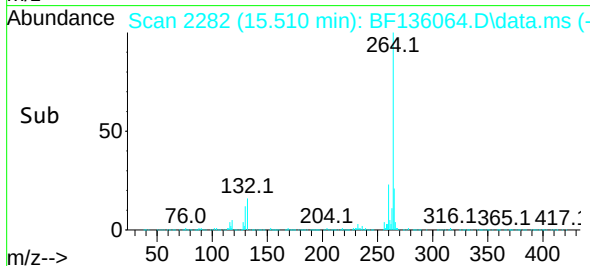


Tgt Ion:264 Resp: 225414
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 21.1 16.8 25.2

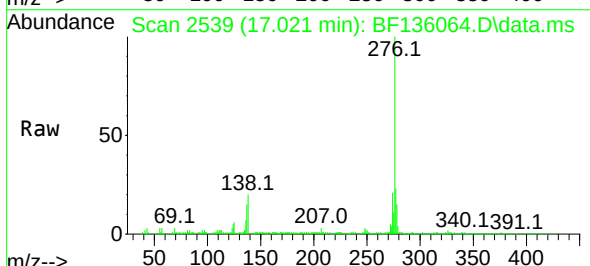
Manual Integrations

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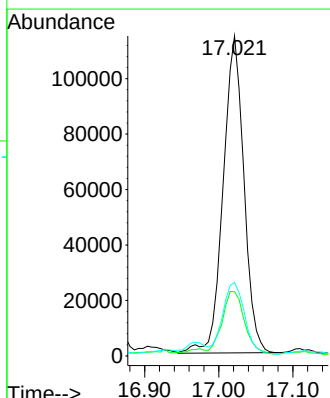
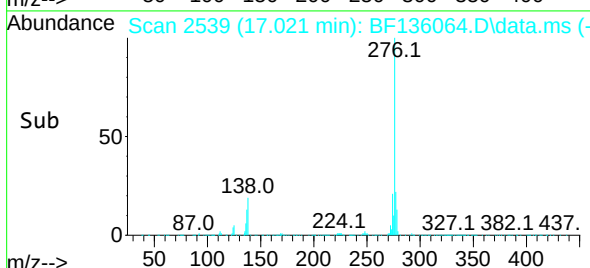
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

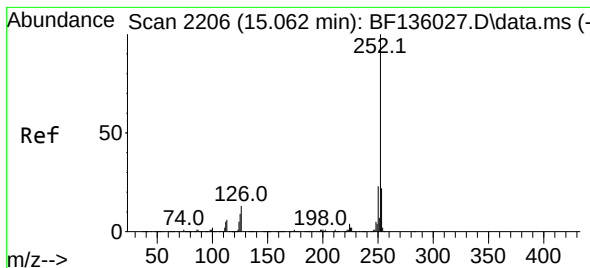


#87
Indeno(1,2,3-cd)pyrene
Concen: 15.098 ng
RT: 17.021 min Scan# 2539
Delta R.T. 0.012 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44



Tgt Ion:276 Resp: 222426
Ion Ratio Lower Upper
276 100
138 21.1 20.4 30.6
277 23.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 44.646 ng m

RT: 15.069 min Scan# 2112

Delta R.T. 0.006 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

72-11995RE

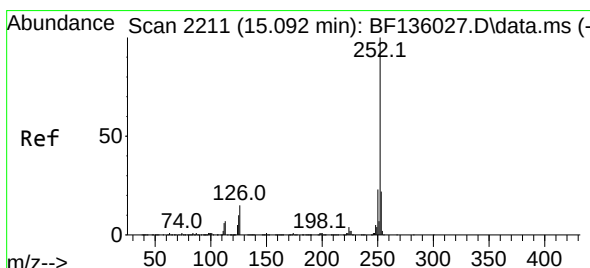
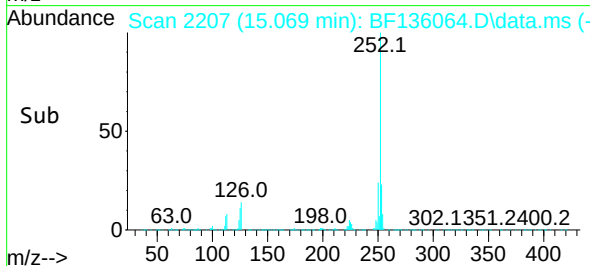
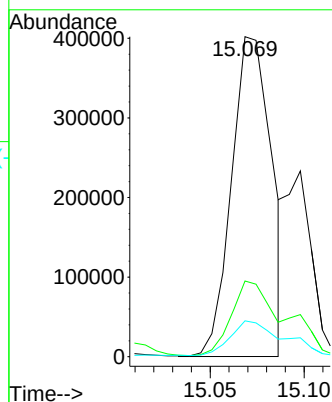
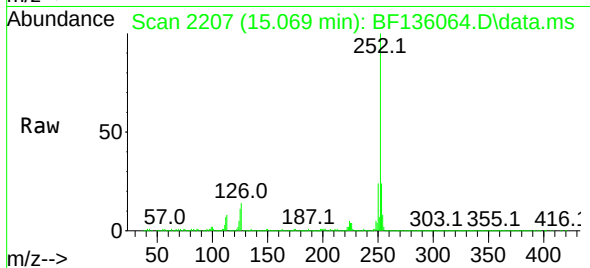
Tgt Ion:252 Resp: 59550
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.7 26.5
 125 11.2 7.5 11.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#89

Benzo(k)fluoranthene

Concen: 16.529 ng m

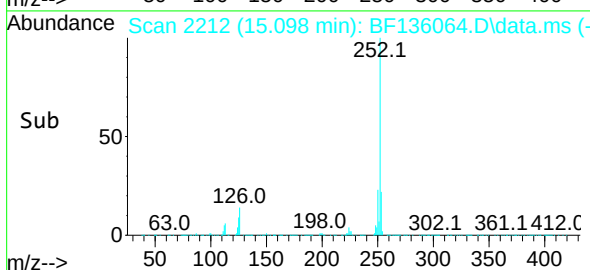
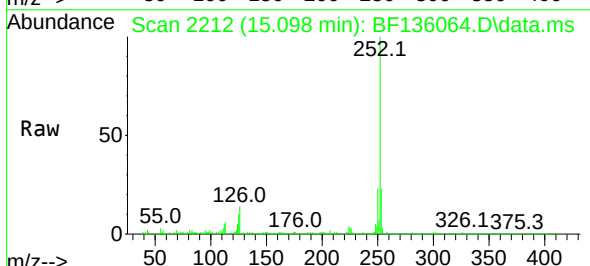
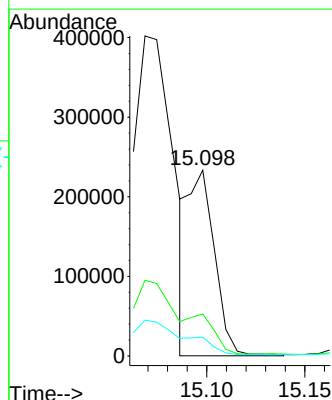
RT: 15.098 min Scan# 2212

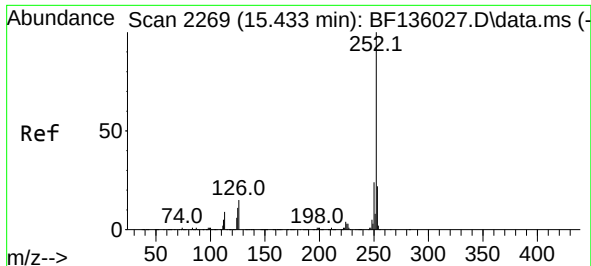
Delta R.T. 0.006 min

Lab File: BF136064.D

Acq: 31 Oct 2023 21:44

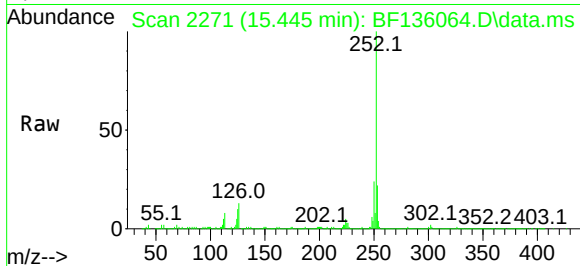
Tgt Ion:252 Resp: 218133
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.4 26.0
 125 10.2 8.0 12.0





#90
Benzo(a)pyrene
Concen: 26.585 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

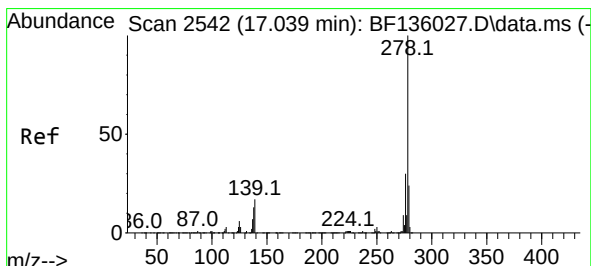
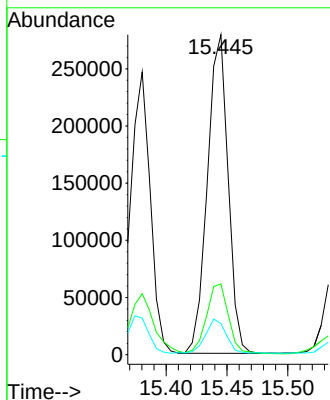
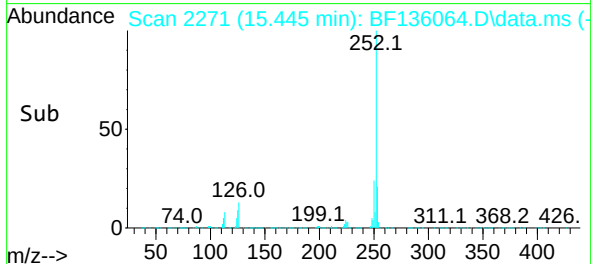
Instrument :
BNA_F
ClientSampleId :
72-11995RE



Tgt Ion:252 Resp: 32947
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 9.7 9.0 13.6

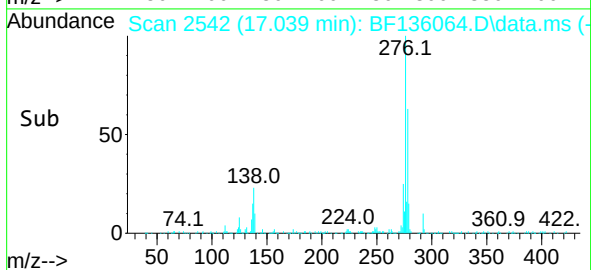
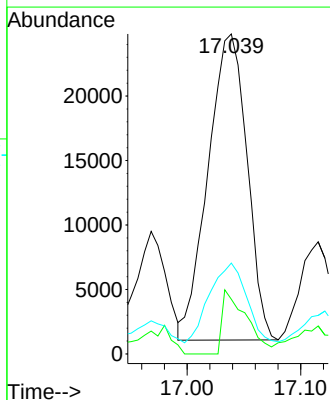
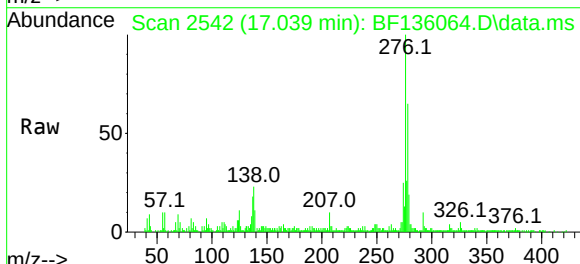
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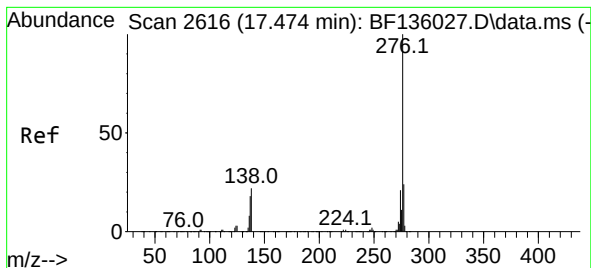
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#91
Dibenzo(a,h)anthracene
Concen: 4.689 ng
RT: 17.039 min Scan# 2542
Delta R.T. 0.000 min
Lab File: BF136064.D
Acq: 31 Oct 2023 21:44

Tgt Ion:278 Resp: 56588
Ion Ratio Lower Upper
278 100
139 17.1 13.7 20.5
279 28.4 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 16.797 ng

RT: 17.480 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF136064.D

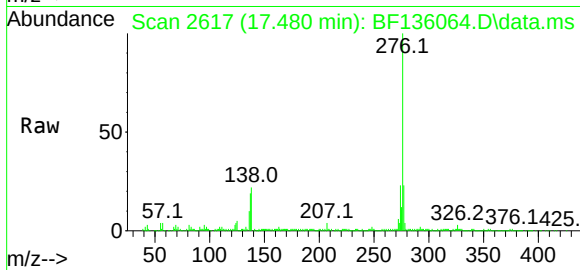
Acq: 31 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

72-11995RE



Tgt Ion:276 Resp: 20326

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 21.8 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023

