

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
 Data File : BF136088.D
 Acq On : 01 Nov 2023 21:06
 Operator : CG\JU
 Sample : 05005-02 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N-4(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

Quant Time: Nov 01 22:43:55 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	128670	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	493389	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	233650	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	344640	20.000	ng	0.00
76) Chrysene-d12	14.010	240	262096	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	225844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	436494	53.308	ng	0.00
7) Phenol-d6	6.451	99	535955	52.534	ng	0.00
23) Nitrobenzene-d5	7.381	82	310894	37.985	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	120996	48.516	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	625822	42.697	ng	0.00
79) Terphenyl-d14	12.951	244	528516	31.337	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	172198	7.238	ng	99
37) 2-Methylnaphthalene	8.816	142	56063	3.514	ng	100
38) 1-Methylnaphthalene	8.916	142	59222	3.989	ng	98
49) Acenaphthylene	9.722	152	107073	5.227	ng	98
52) Acenaphthene	9.892	154	38547	2.960	ng	98
58) Fluorene	10.410	166	29615	2.083	ng	97
71) Phenanthrene	11.380	178	507330	29.236	ng	98
72) Anthracene	11.427	178	135543	7.623	ng	99
75) Fluoranthene	12.574	202	530803	29.776	ng	100
78) Pyrene	12.804	202	654978	28.345	ng	100
81) Benzo(a)anthracene	14.004	228	318792m	18.373	ng	
83) Chrysene	14.039	228	307955	18.022	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	109394	7.411	ng	96
88) Benzo(b)fluoranthene	15.068	252	310275m	23.218	ng	
89) Benzo(k)fluoranthene	15.092	252	76859m	5.813	ng	
90) Benzo(a)pyrene	15.439	252	231422	18.638	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	30453	2.519	ng	# 92
92) Benzo(g,h,i)perylene	17.474	276	113373	10.634	ng	99

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

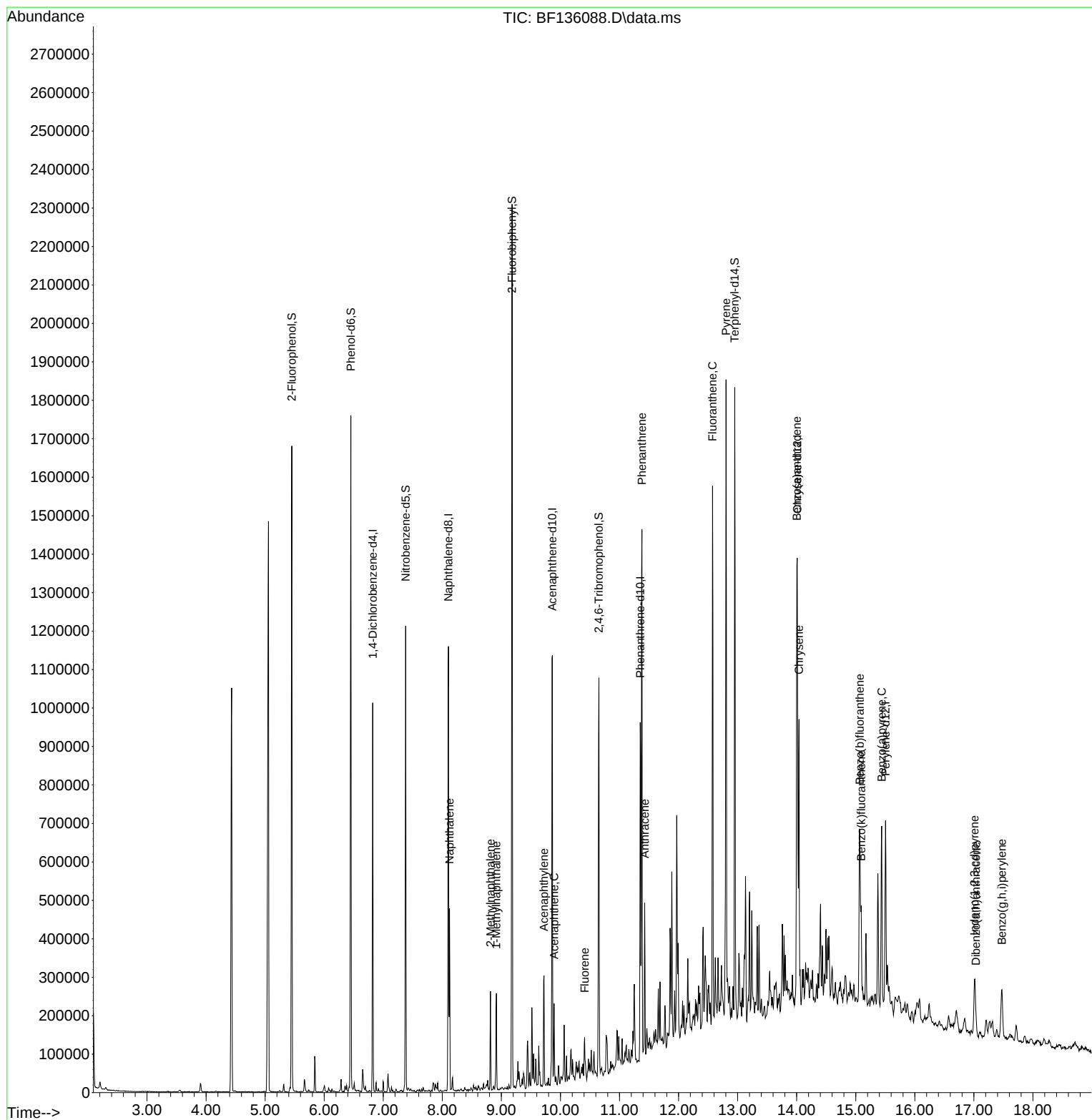
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
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Quant Time: Nov 01 22:43:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
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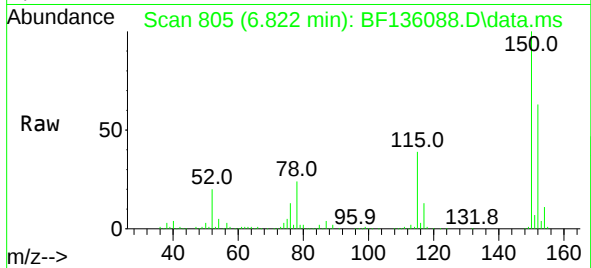
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

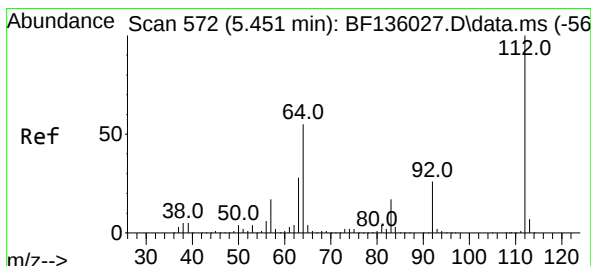
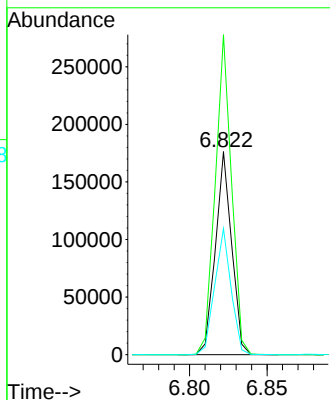
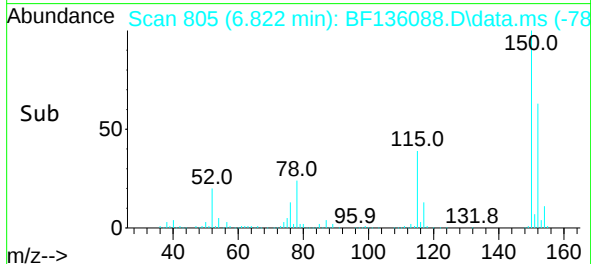
Instrument :
BNA_F
ClientSampleId :
N-4(0-5)



Tgt Ion:152 Resp: 128670
Ion Ratio Lower Upper
152 100
150 157.7 126.4 189.6
115 62.1 47.0 70.4

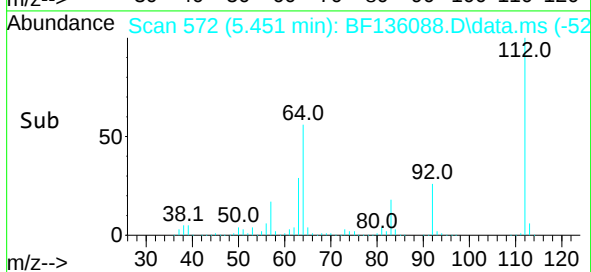
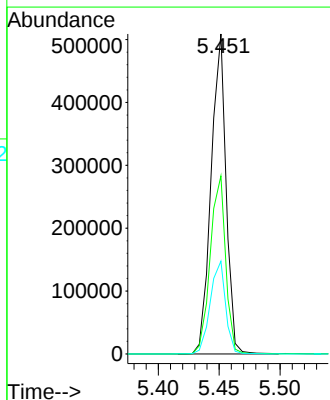
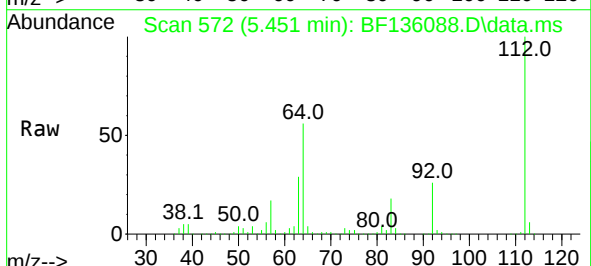
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Supervised By :mohammad ahmed 11/02/2023



#5
2-Fluorophenol
Concen: 53.308 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

Tgt Ion:112 Resp: 436494
Ion Ratio Lower Upper
112 100
64 55.6 43.9 65.9
63 29.0 22.4 33.6





#7

Phenol-d6

Concen: 52.534 ng

RT: 6.451 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF136088.D

Acq: 01 Nov 2023 21:06

Instrument :

BNA_F

ClientSampleId :

N-4(0-5)

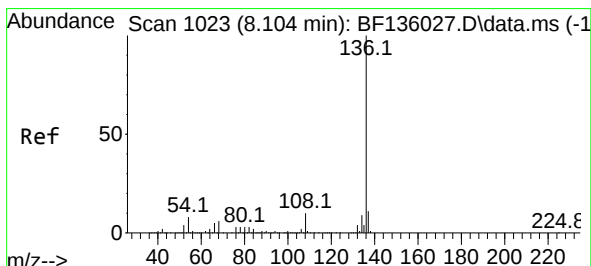
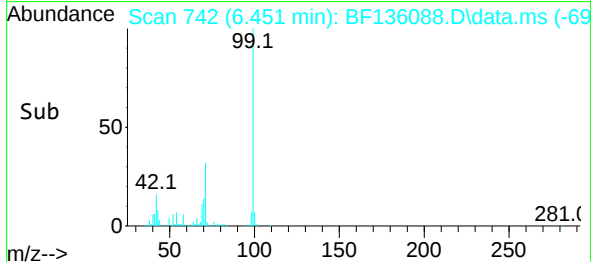
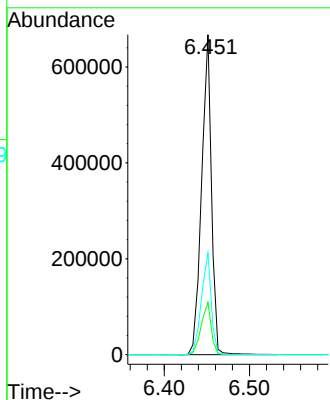
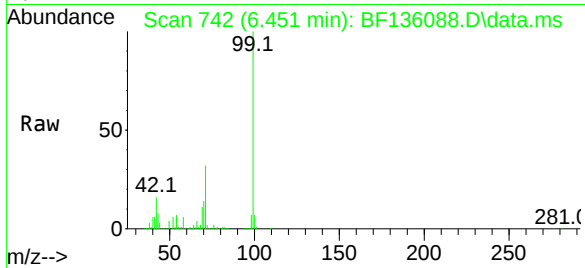
Tgt Ion:	99	Resp:	53595
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.7	20.5
71	31.8	25.9	38.9

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Supervised By :mohammad ahmed 11/02/2023



#21

Naphthalene-d8

Concen: 20.000 ng

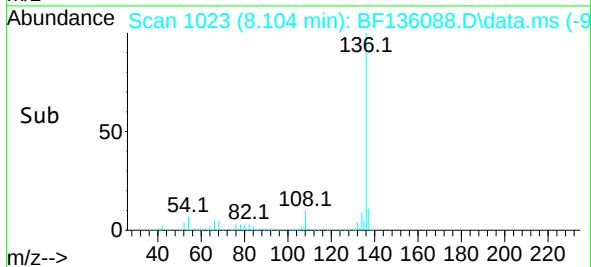
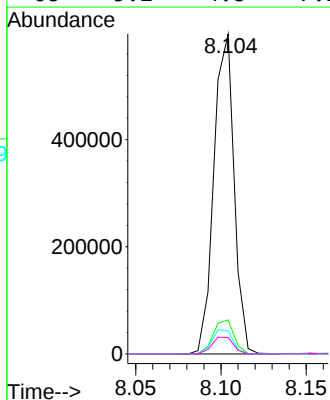
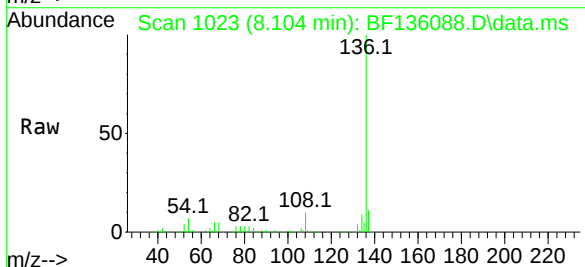
RT: 8.104 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF136088.D

Acq: 01 Nov 2023 21:06

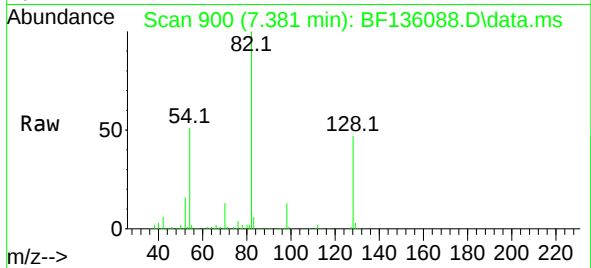
Tgt Ion:	136	Resp:	493389
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	7.1	6.6	9.8
68	5.2	4.8	7.2





#23
Nitrobenzene-d5
Concen: 37.985 ng
RT: 7.381 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

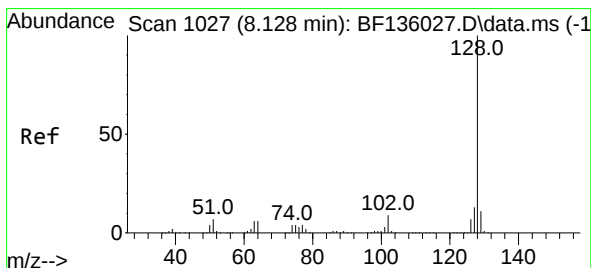
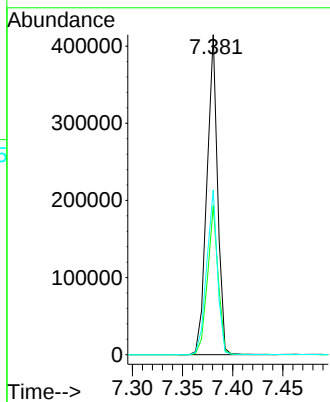
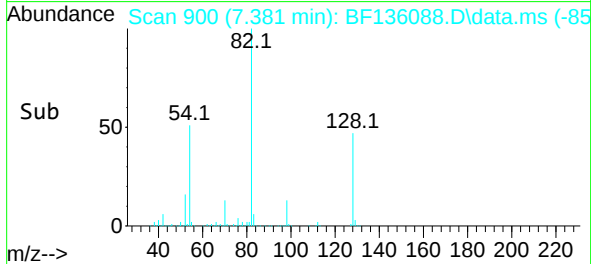
Instrument :
BNA_F
ClientSampleId :
N-4(0-5)



Tgt Ion: 82 Resp: 310894
Ion Ratio Lower Upper
82 100
128 46.5 38.6 57.8
54 51.5 40.8 61.2

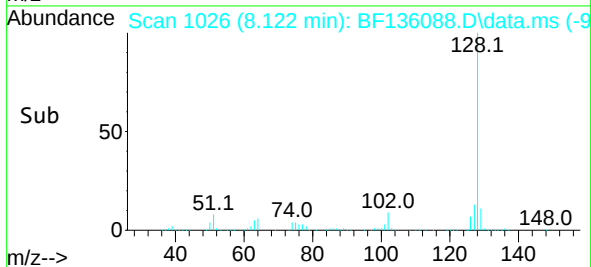
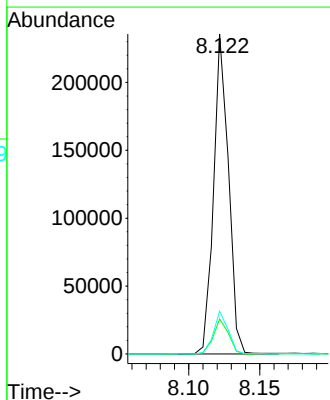
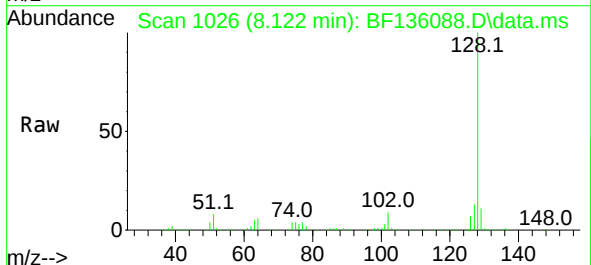
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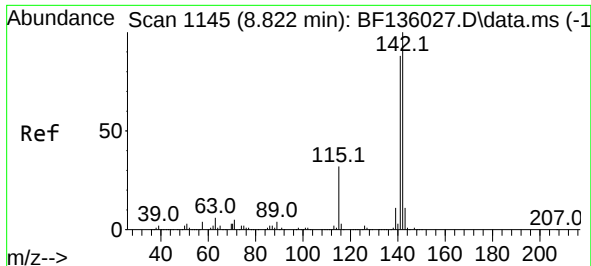
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#31
Naphthalene
Concen: 7.238 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

Tgt Ion:128 Resp: 172198
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.3 10.5 15.7





#37

2-Methylnaphthalene

Concen: 3.514 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF136088.D

Acq: 01 Nov 2023 21:06

Instrument :

BNA_F

ClientSampleId :

N-4(0-5)

Tgt Ion:142 Resp: 5606

Ion Ratio Lower Upper

142 100

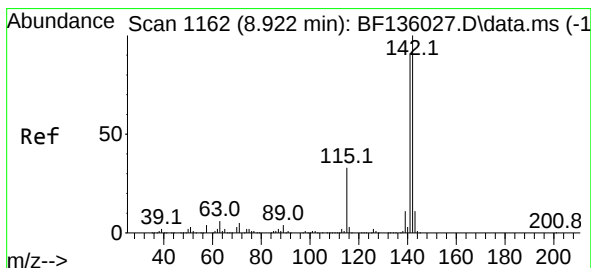
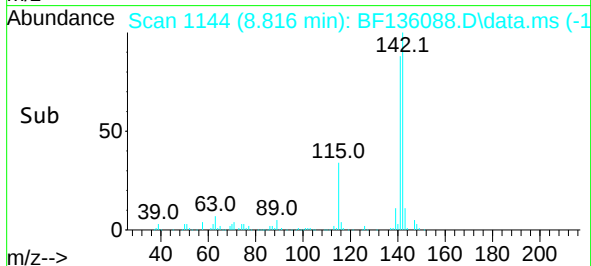
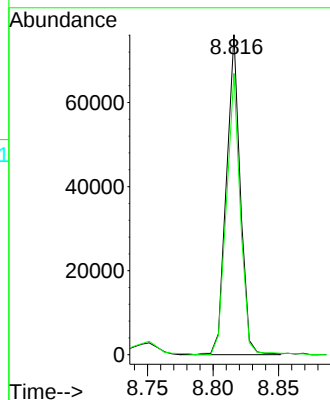
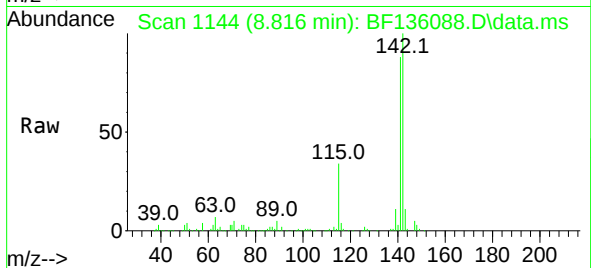
141 87.9 70.4 105.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#38

1-Methylnaphthalene

Concen: 3.989 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF136088.D

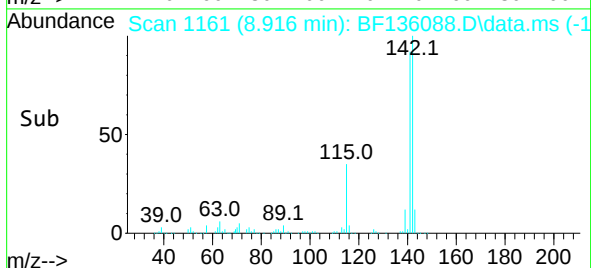
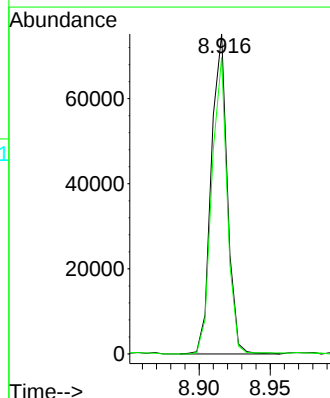
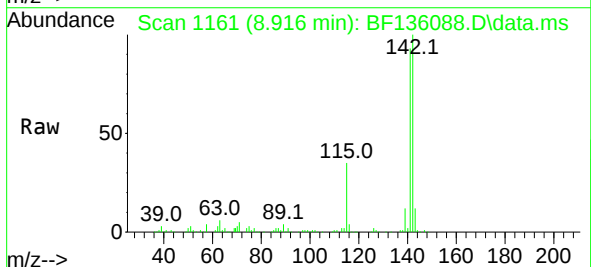
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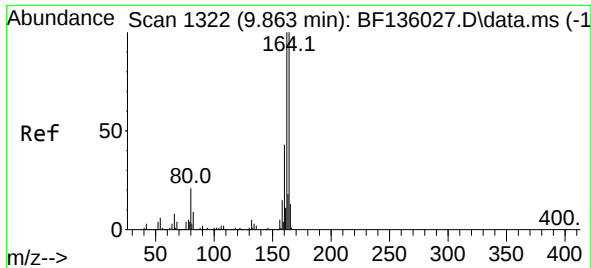
Tgt Ion:142 Resp: 59222

Ion Ratio Lower Upper

142 100

141 92.7 72.6 109.0





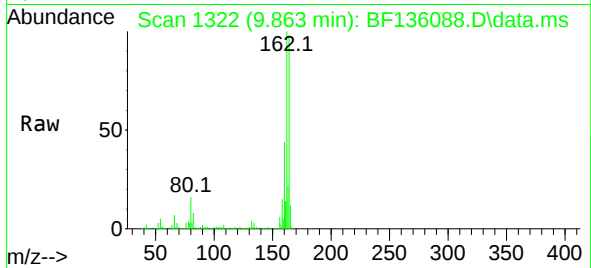
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

Instrument :

BNA_F

ClientSampleId :

N-4(0-5)



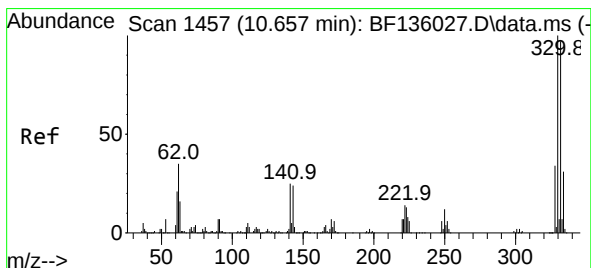
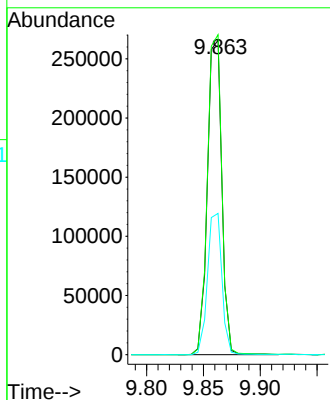
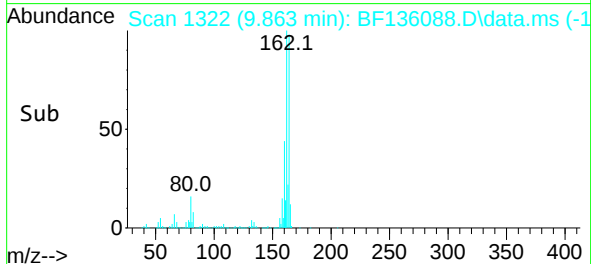
Tgt Ion:164 Resp: 233650
Ion Ratio Lower Upper
164 100
162 101.8 80.1 120.1
160 45.0 34.8 52.2

Manual Integrations

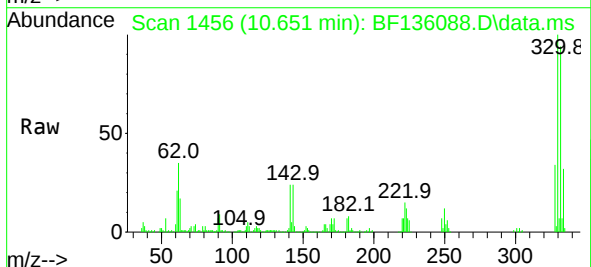
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Reviewed By :Yogesh Patel 11/02/2023

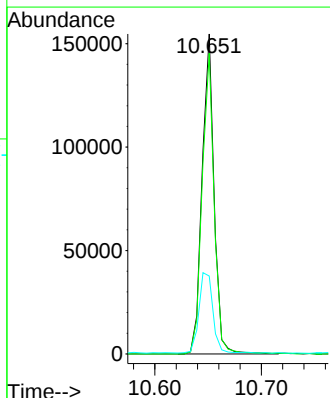
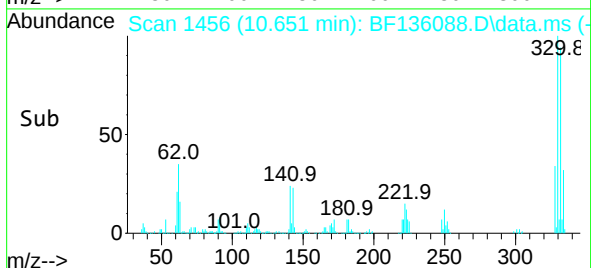
Supervised By :mohammad ahmed 11/02/2023

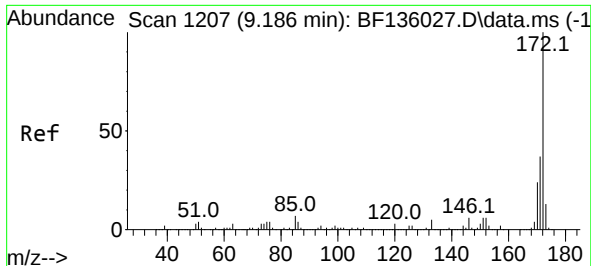


#42
2,4,6-Tribromophenol
Concen: 48.516 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06



Tgt Ion:330 Resp: 120996
Ion Ratio Lower Upper
330 100
332 94.9 76.9 115.3
141 29.6 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 42.697 ng

RT: 9.181 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF136088.D

Acq: 01 Nov 2023 21:06

Instrument :

BNA_F

ClientSampleId :

N-4(0-5)

Tgt Ion:172 Resp: 62582

Ion Ratio Lower Upper

172 100

171 35.5 29.4 44.0

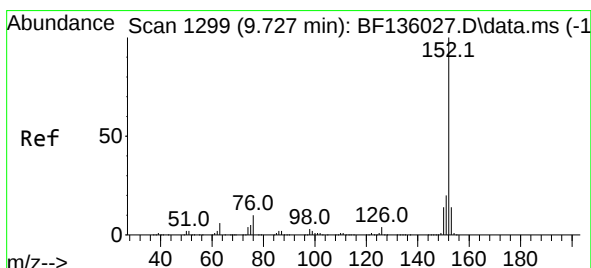
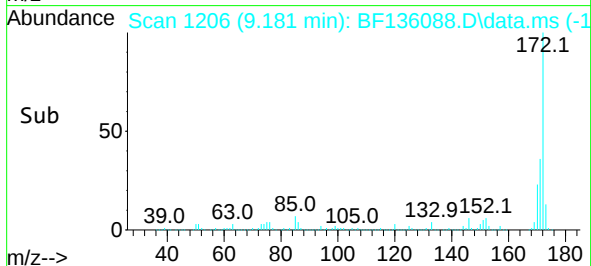
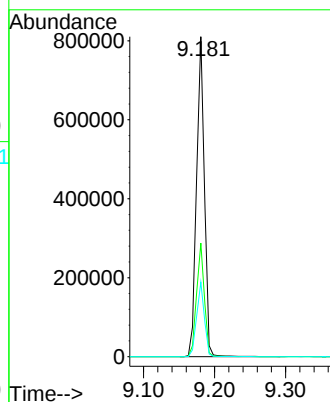
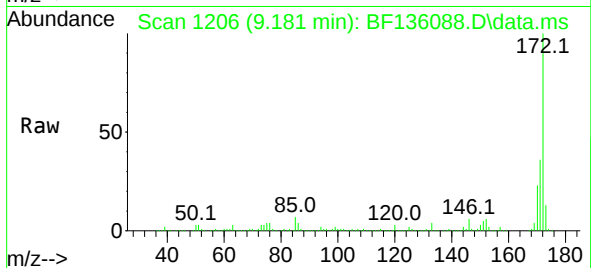
170 23.3 19.3 28.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#49

Acenaphthylene

Concen: 5.227 ng

RT: 9.722 min Scan# 1298

Delta R.T. -0.006 min

Lab File: BF136088.D

Acq: 01 Nov 2023 21:06

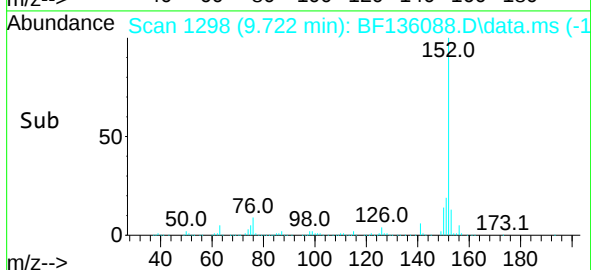
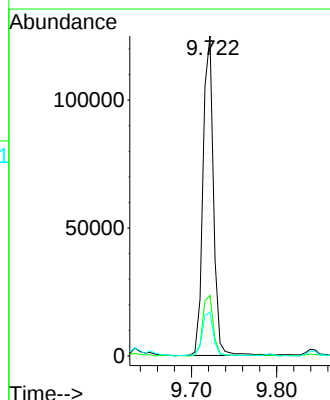
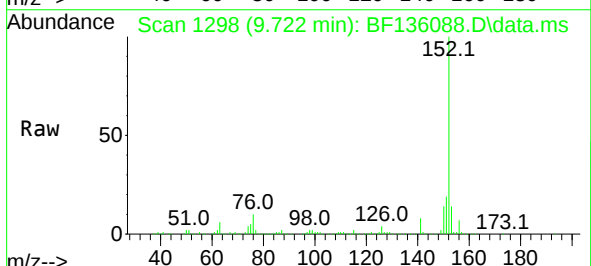
Tgt Ion:152 Resp: 107073

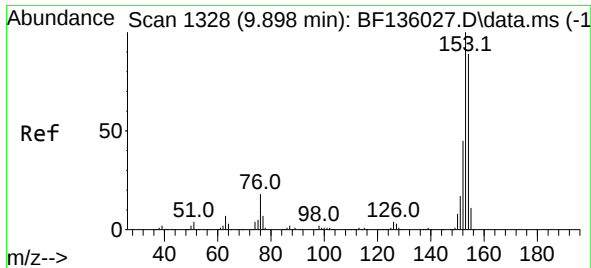
Ion Ratio Lower Upper

152 100

151 18.9 16.1 24.1

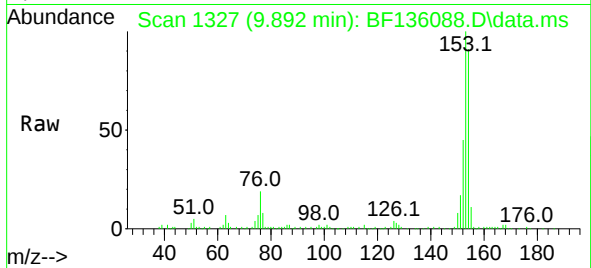
153 13.7 11.4 17.2





#52
Acenaphthene
Concen: 2.960 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

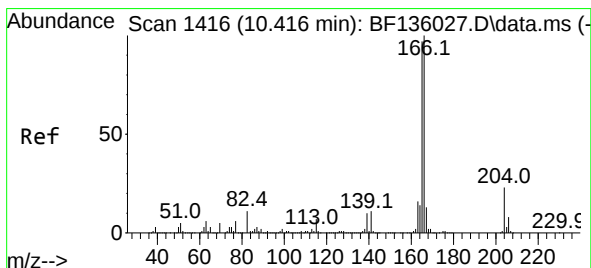
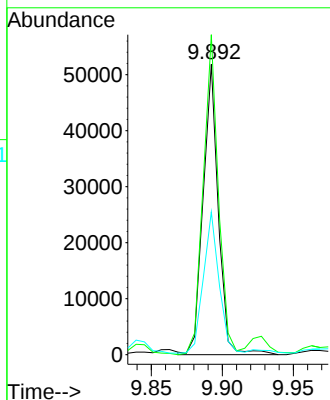
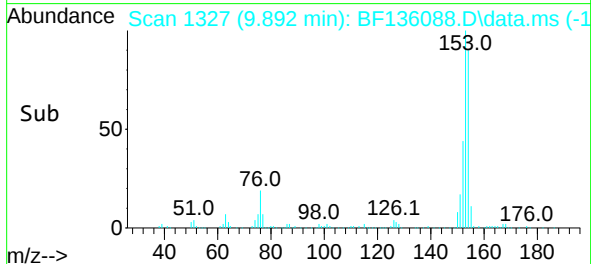
Instrument :
BNA_F
ClientSampleId :
N-4(0-5)



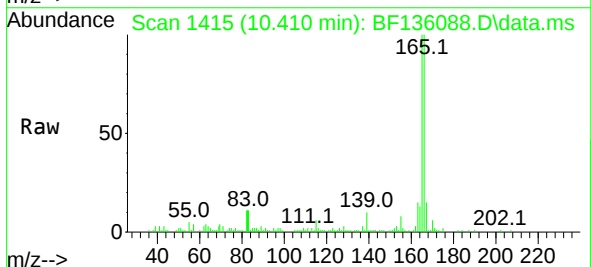
Tgt Ion:154 Resp: 3854
Ion Ratio Lower Upper
154 100
153 110.2 89.9 134.9
152 49.1 40.2 60.2

Manual Integrations
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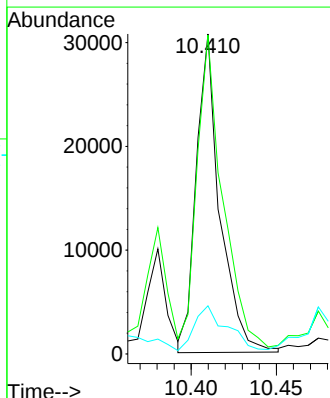
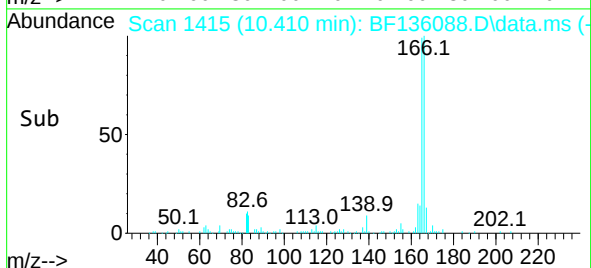
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

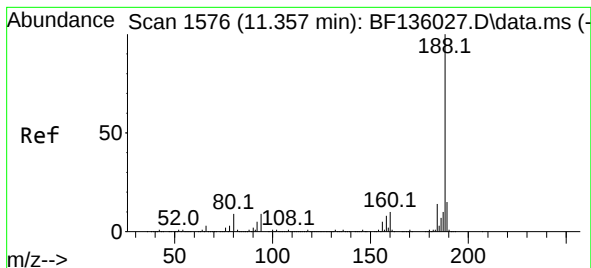


#58
Fluorene
Concen: 2.083 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06



Tgt Ion:166 Resp: 29615
Ion Ratio Lower Upper
166 100
165 99.7 77.7 116.5
167 15.1 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136088.D

Acq: 01 Nov 2023 21:06

Instrument :

BNA_F

ClientSampleId :

N-4(0-5)

Tgt Ion:188 Resp: 344640

Ion Ratio Lower Upper

188 100

94 10.6 7.2 10.8

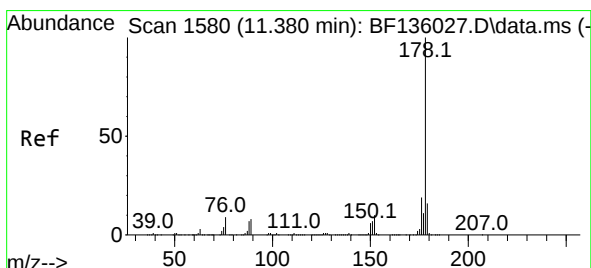
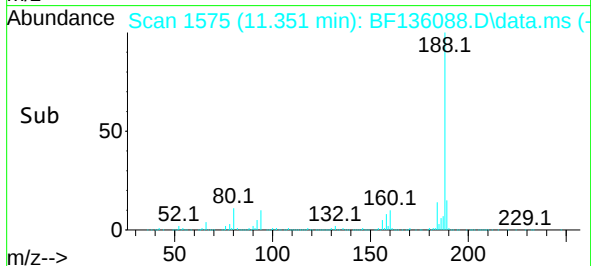
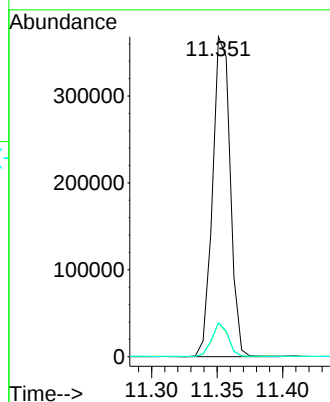
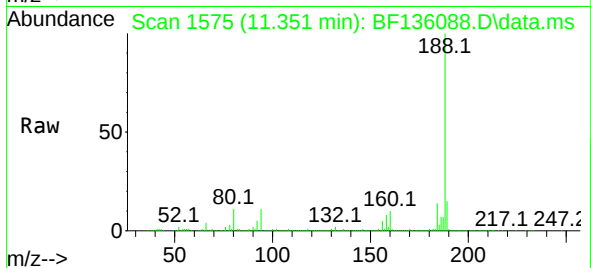
80 10.6 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#71

Phenanthrene

Concen: 29.236 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF136088.D

Acq: 01 Nov 2023 21:06

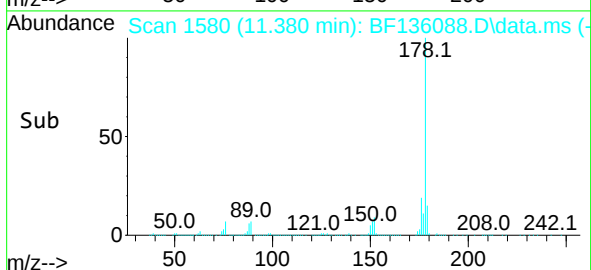
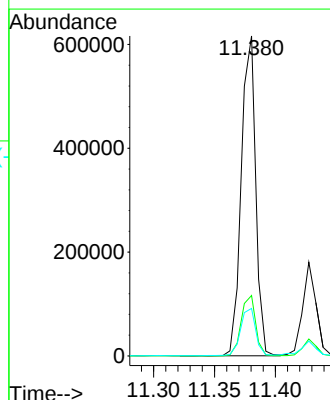
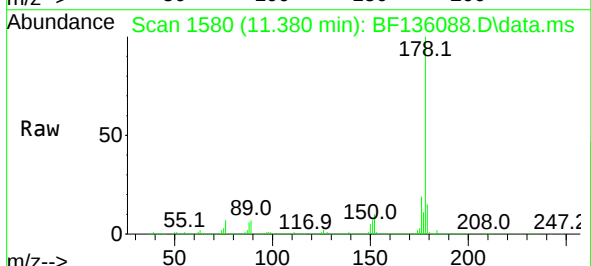
Tgt Ion:178 Resp: 507330

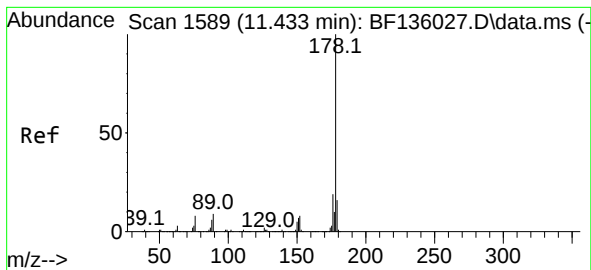
Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 14.9 12.9 19.3





#72

Anthracene

Concen: 7.623 ng

RT: 11.427 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF136088.D

Acq: 01 Nov 2023 21:06

Instrument :

BNA_F

ClientSampleId :

N-4(0-5)

Tgt Ion:178 Resp: 13554

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

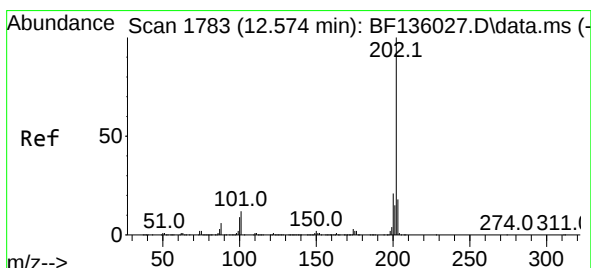
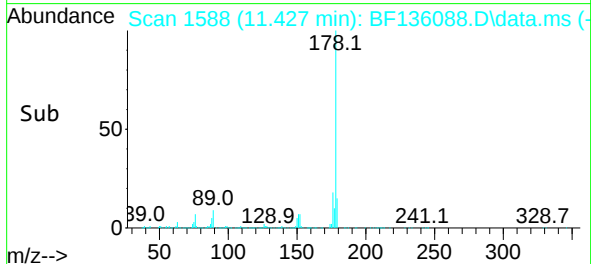
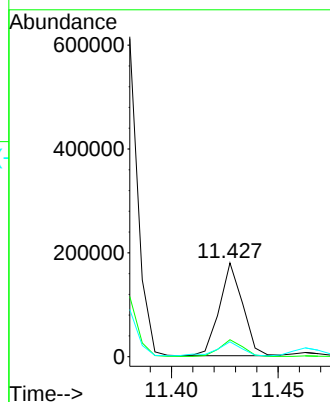
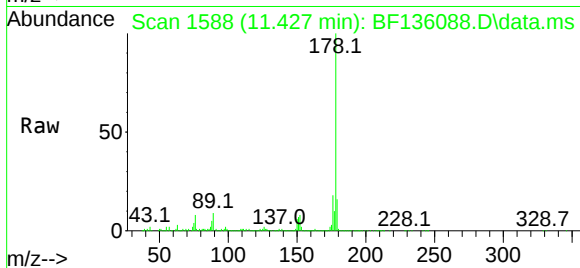
179 15.9 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#75

Fluoranthene

Concen: 29.776 ng

RT: 12.574 min Scan# 1783

Delta R.T. 0.000 min

Lab File: BF136088.D

Acq: 01 Nov 2023 21:06

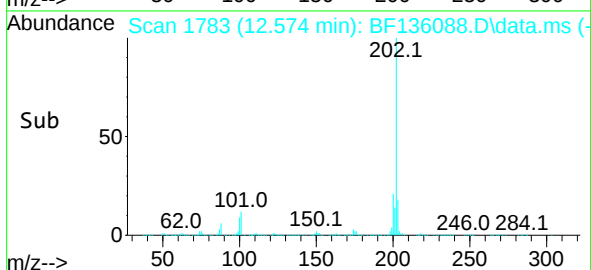
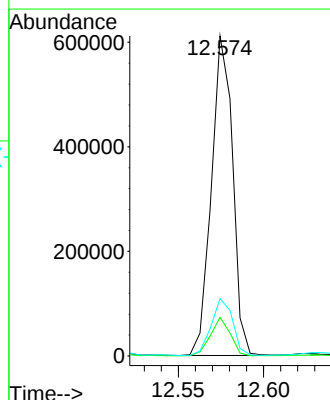
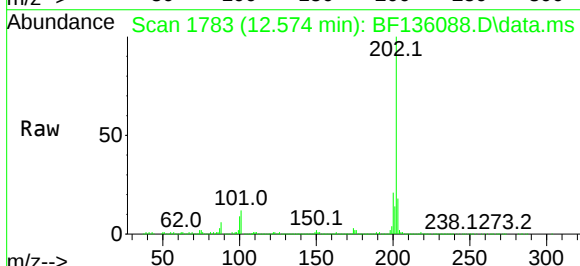
Tgt Ion:202 Resp: 530803

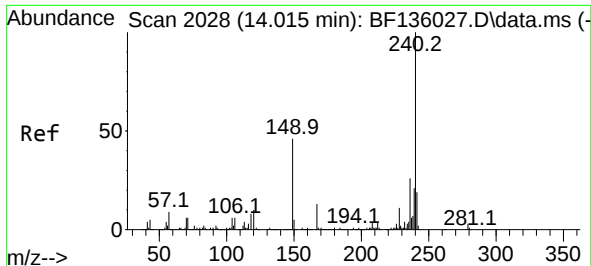
Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.8

203 18.0 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

Instrument :

BNA_F

ClientSampleId :

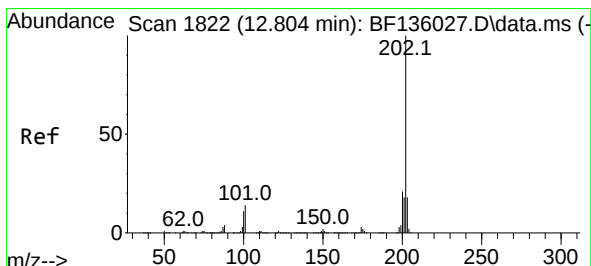
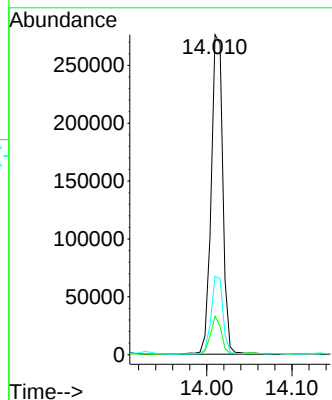
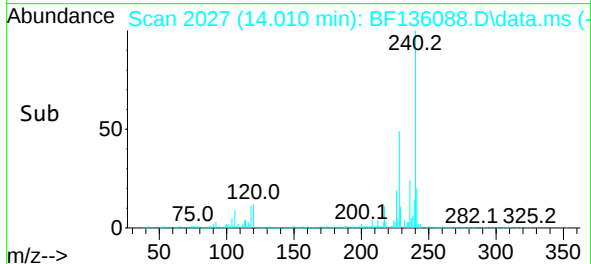
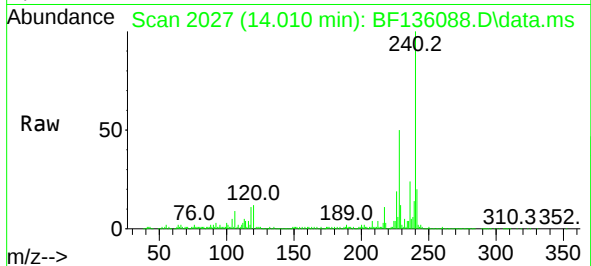
N-4(0-5)

Tgt Ion:240 Resp: 262090
Ion Ratio Lower Upper
240 100
120 12.0 7.6 11.4
236 24.5 20.6 31.0

Manual Integrations

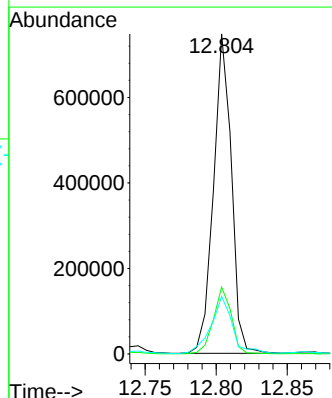
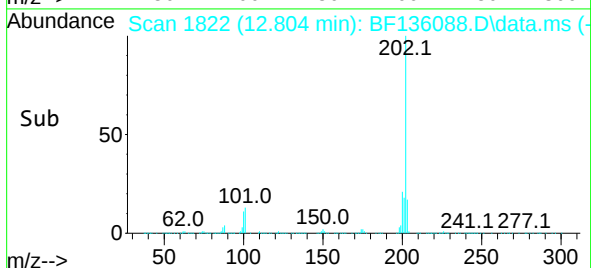
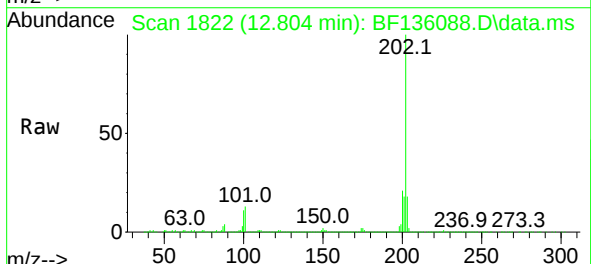
APPROVED

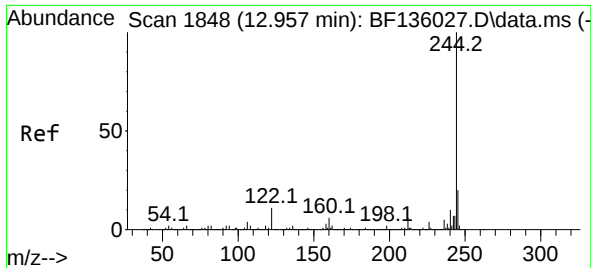
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#78
Pyrene
Concen: 28.345 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

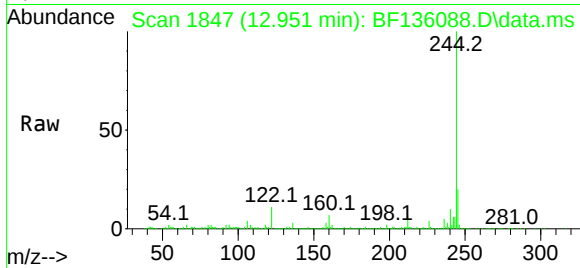
Tgt Ion:202 Resp: 654978
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 18.0 14.4 21.6





#79
Terphenyl-d14
Concen: 31.337 ng
RT: 12.951 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

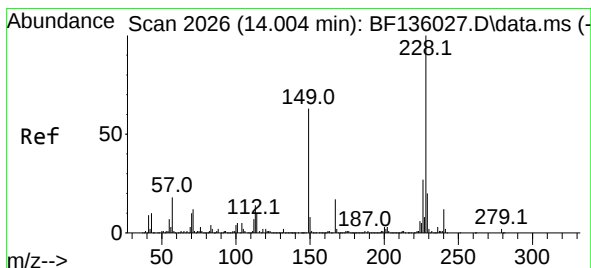
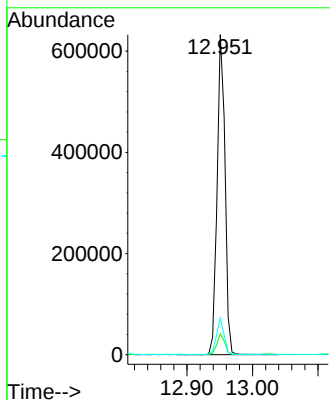
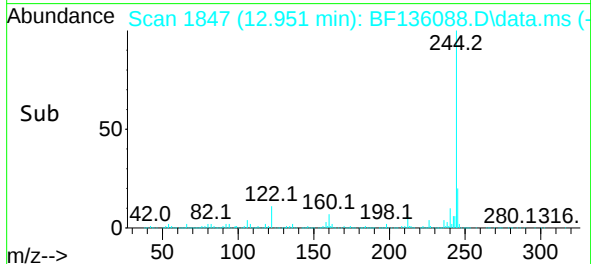
Instrument :
BNA_F
ClientSampleId :
N-4(0-5)



Tgt Ion:244 Resp: 528510
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 11.5 8.6 12.8

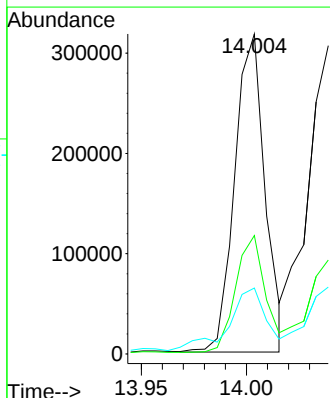
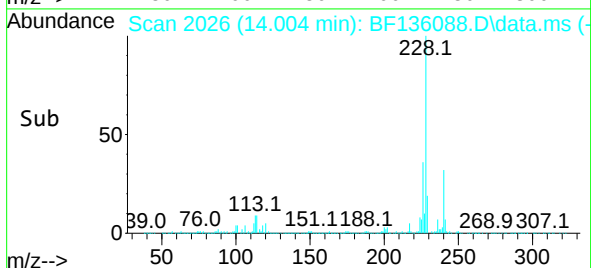
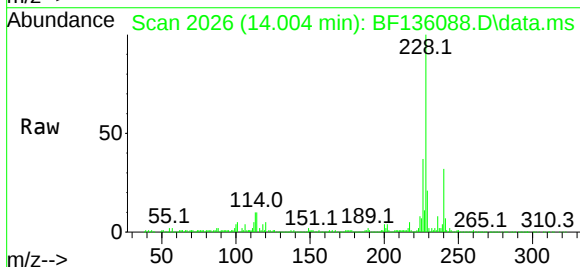
Manual Integrations
APPROVED

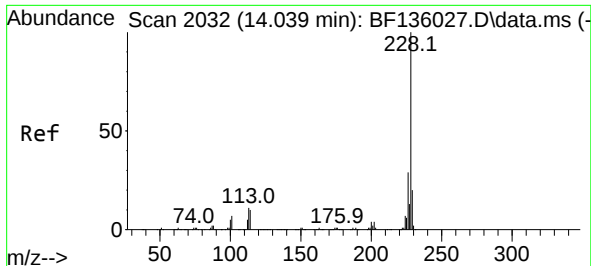
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#81
Benzo(a)anthracene
Concen: 18.373 ng m
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

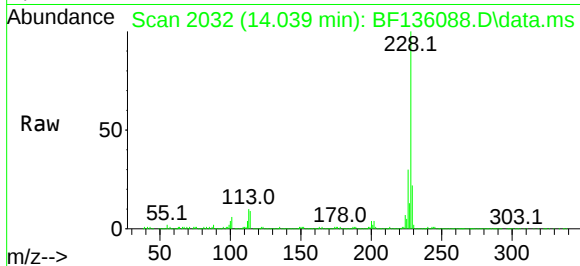
Tgt Ion:228 Resp: 318792
Ion Ratio Lower Upper
228 100
226 37.0 21.5 32.3#
229 20.6 15.8 23.6





#83
Chrysene
Concen: 18.022 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

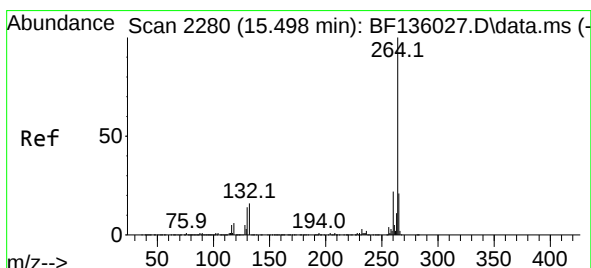
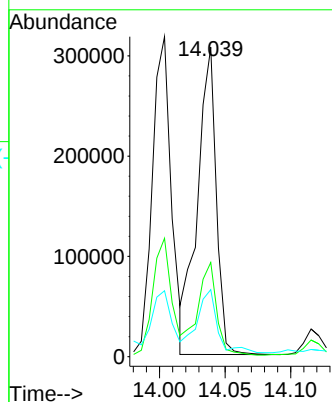
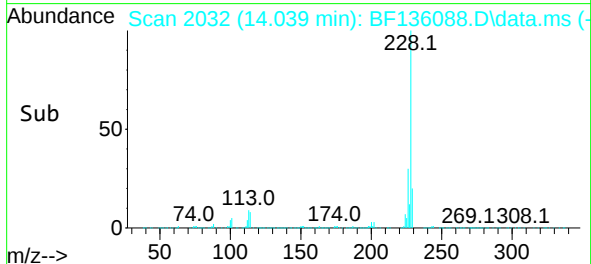
Instrument :
BNA_F
Client SampleId :
N-4(0-5)



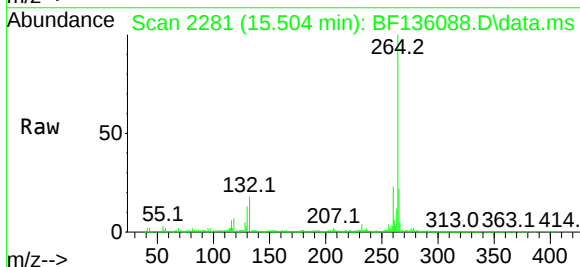
Tgt Ion:228 Resp: 307958
Ion Ratio Lower Upper
228 100
226 30.4 23.5 35.3
229 21.7 16.0 24.0

Manual Integrations
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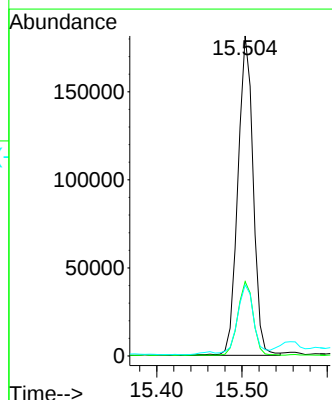
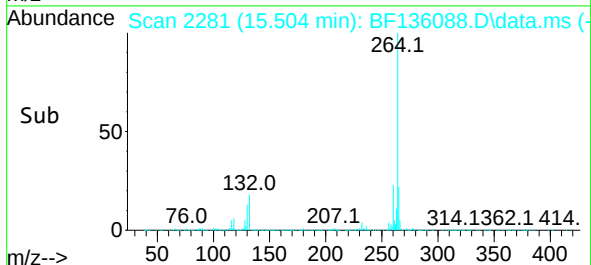
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

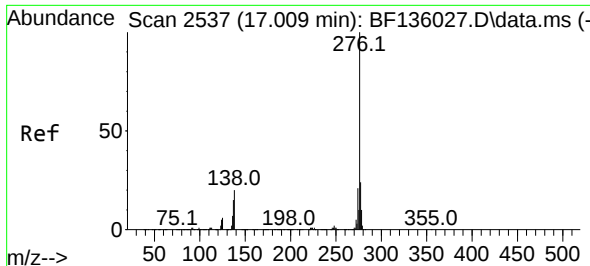


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06



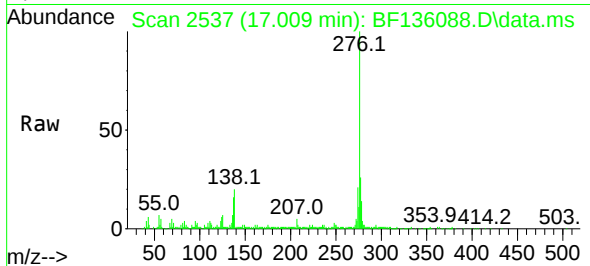
Tgt Ion:264 Resp: 225844
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 22.2 16.8 25.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.411 ng
RT: 17.009 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

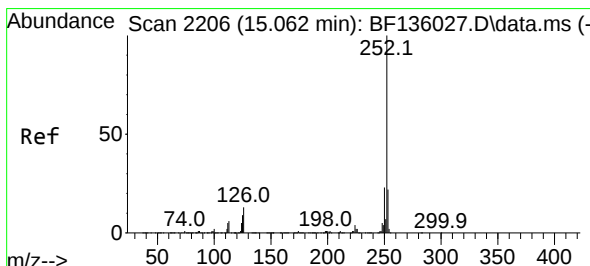
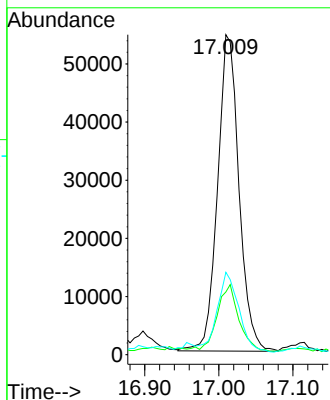
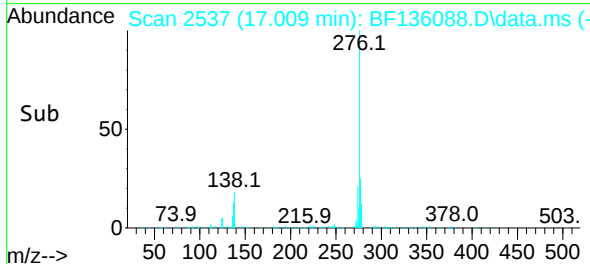
Instrument :
BNA_F
ClientSampleId :
N-4(0-5)



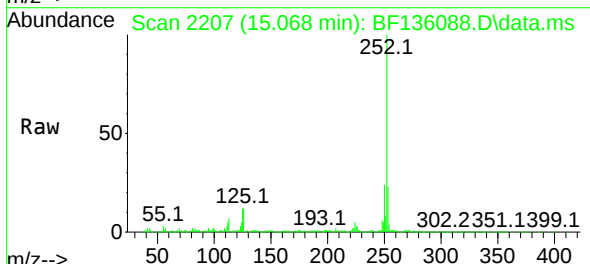
Tgt Ion:276 Resp: 109394
Ion Ratio Lower Upper
276 100
138 21.6 20.4 30.6
277 25.8 20.2 30.2

Manual Integrations
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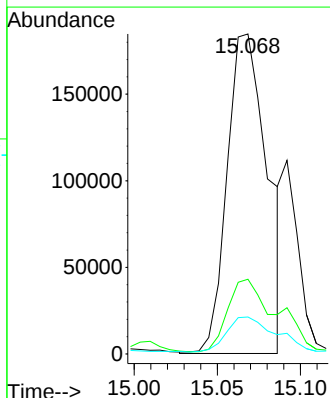
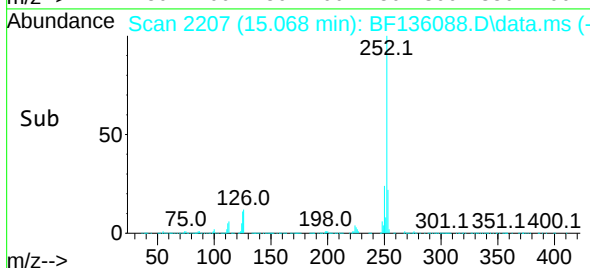
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

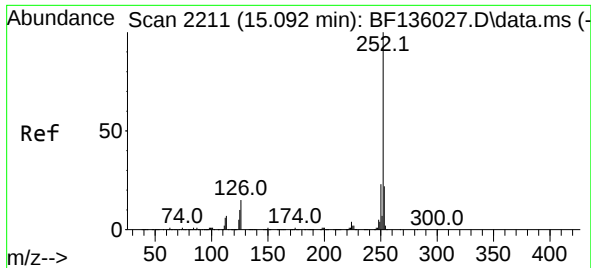


#88
Benzo(b)fluoranthene
Concen: 23.218 ng m
RT: 15.068 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06



Tgt Ion:252 Resp: 310275
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 11.5 7.5 11.3#





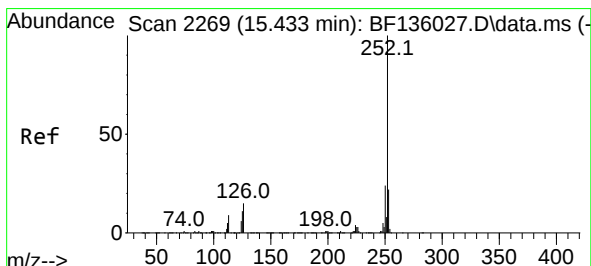
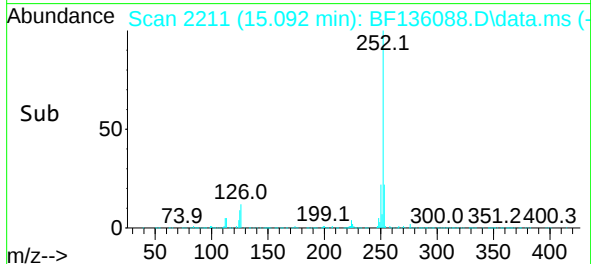
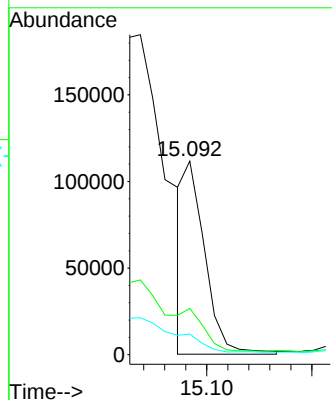
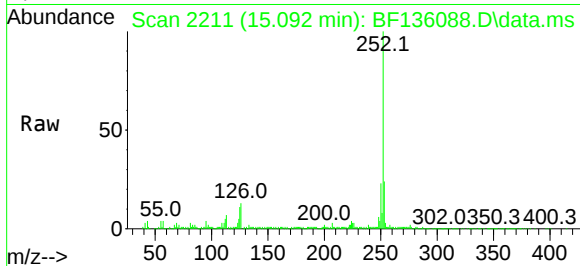
#89
Benzo(k)fluoranthene
Concen: 5.813 ng m
RT: 15.092 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Tgt Ion:252 Resp: 76859
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 10.7 8.0 12.0

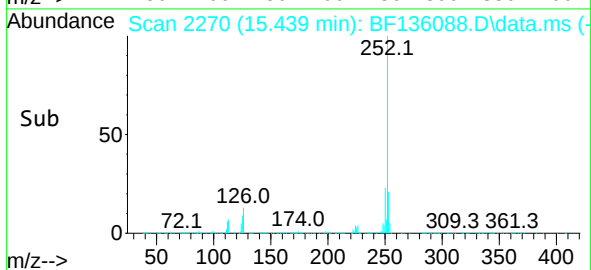
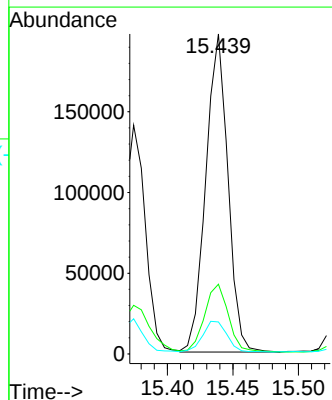
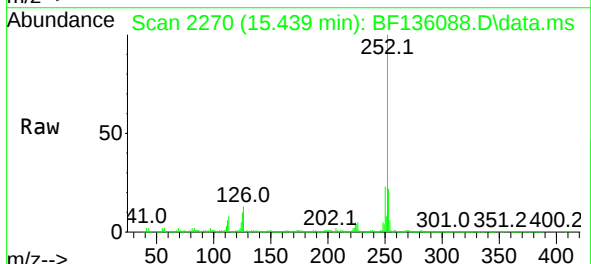
Manual Integrations
APPROVED

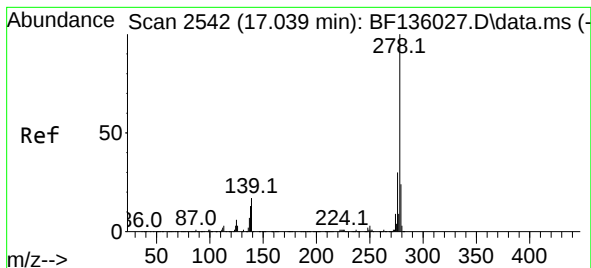
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#90
Benzo(a)pyrene
Concen: 18.638 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF136088.D
Acq: 01 Nov 2023 21:06

Tgt Ion:252 Resp: 231422
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 10.0 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 2.519 ng

RT: 17.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136088.D

Acq: 01 Nov 2023 21:06

Instrument :

BNA_F

ClientSampleId :

N-4(0-5)

Tgt Ion:278 Resp: 3045

Ion Ratio Lower Upper

278 100

139 18.2 13.7 20.5

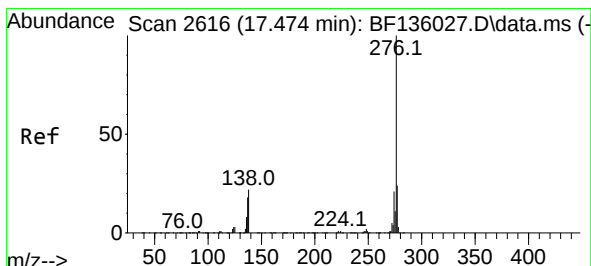
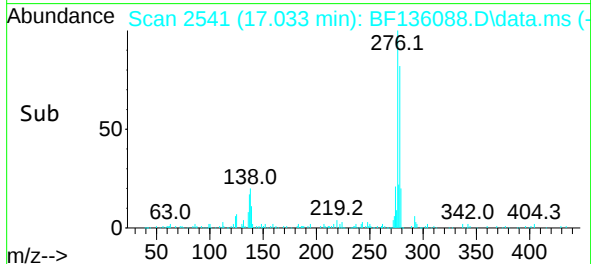
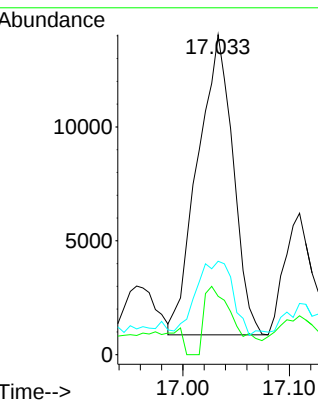
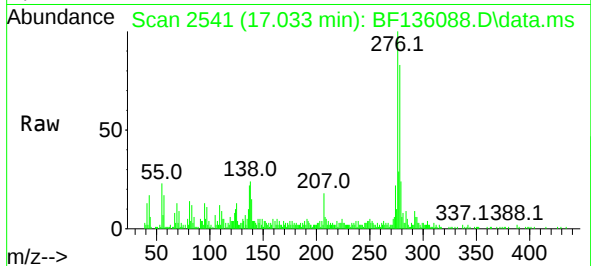
279 29.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#92

Benzo(g,h,i)perylene

Concen: 10.634 ng

RT: 17.474 min Scan# 2616

Delta R.T. 0.000 min

Lab File: BF136088.D

Acq: 01 Nov 2023 21:06

Tgt Ion:276 Resp: 113373

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 20.5 17.4 26.2

