

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136389.D
 Acq On : 04 Dec 2023 19:03
 Operator : CG\JU
 Sample : 05521-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 05 00:35:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:30:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	128427	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	482916	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	215526	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	348138	20.000	ng	0.00
76) Chrysene-d12	13.980	240	285485	20.000	ng	0.00
86) Perylene-d12	15.468	264	225728	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	580003	62.859	ng	0.00
7) Phenol-d6	6.440	99	700279	60.697	ng	0.00
23) Nitrobenzene-d5	7.363	82	426556	46.676	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	152336	57.813	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	787119	46.648	ng	0.00
79) Terphenyl-d14	12.922	244	764011	30.869	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.545	202	82156	4.136	ng	96
78) Pyrene	12.774	202	74124	2.371	ng	94
81) Benzo(a)anthracene	13.969	228	45012	2.123	ng	97
83) Chrysene	14.004	228	42841	2.092	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.962	276	20325	3.817	ng	96
88) Benzo(b)fluoranthene	15.027	252	50796m	3.207	ng	
90) Benzo(a)pyrene	15.398	252	31491	2.432	ng	# 85
91) Dibenzo(a,h)anthracene	16.980	278	5270	3.081	ng	# 56
92) Benzo(g,h,i)perylene	17.421	276	19072	3.249	ng	96

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

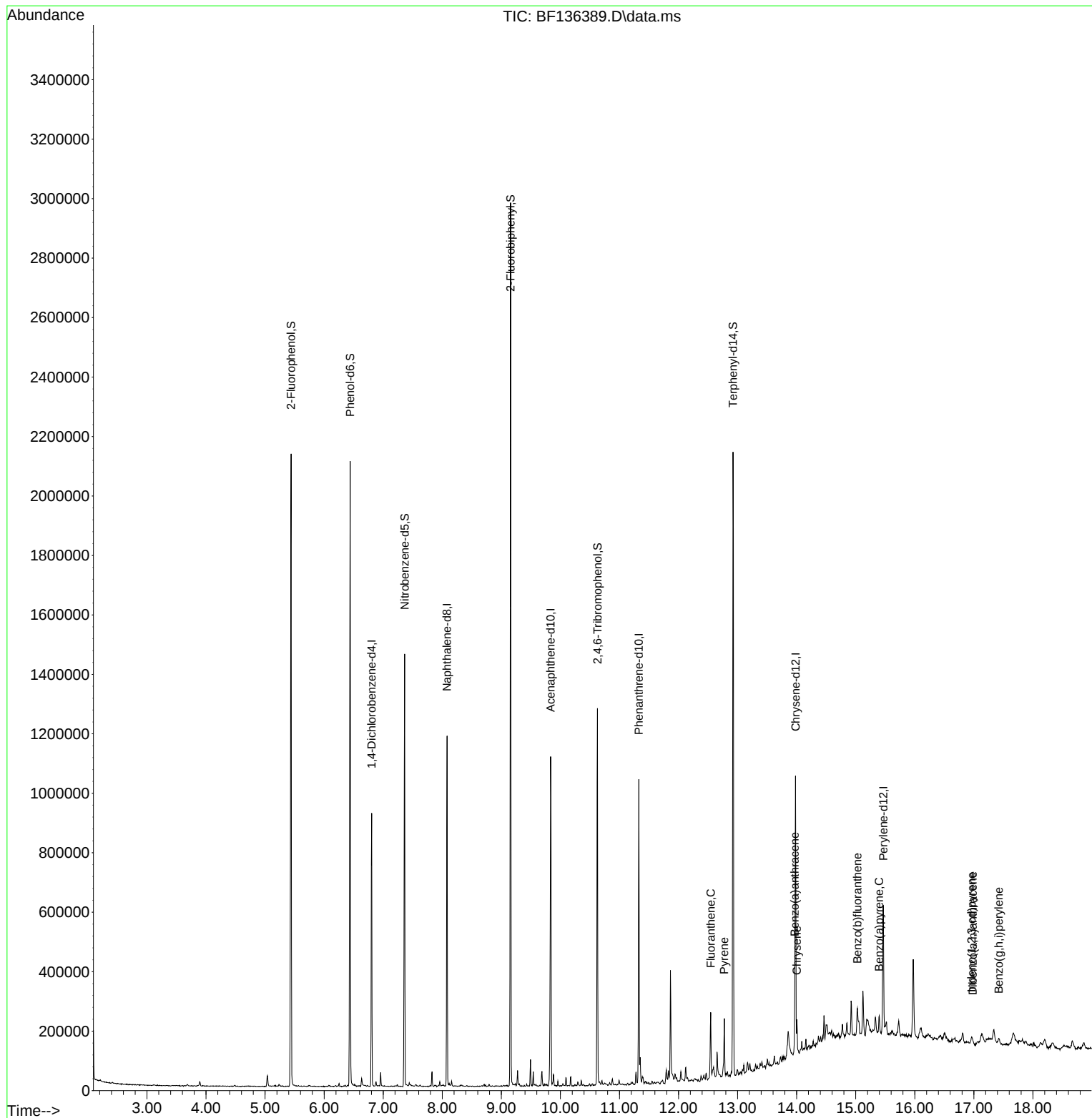
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136389.D
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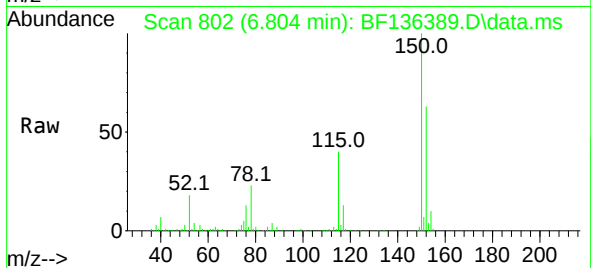
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

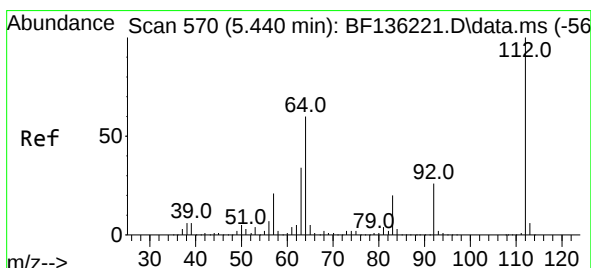
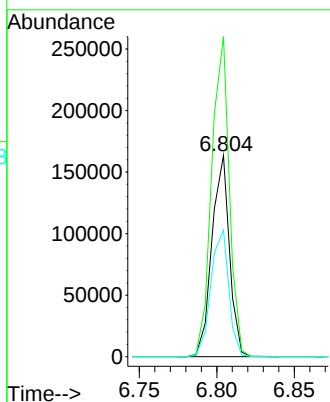
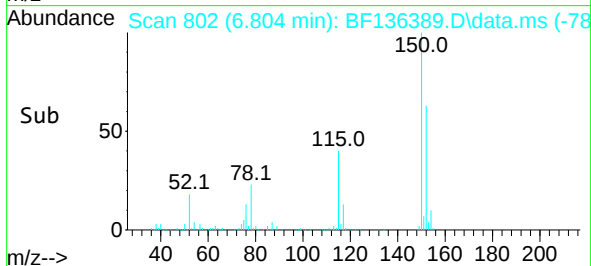
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP



Tgt Ion:152 Resp: 12842
Ion Ratio Lower Upper
152 100
150 159.0 137.8 206.8
115 62.9 52.7 79.1

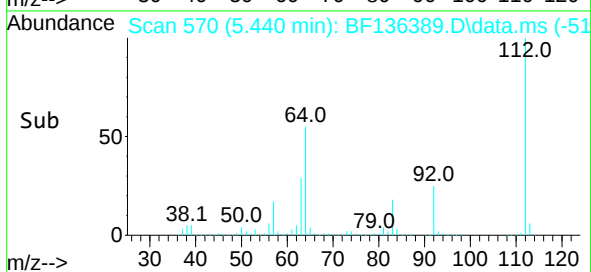
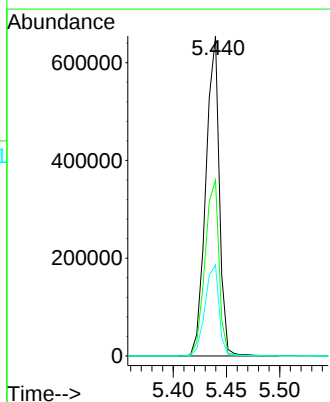
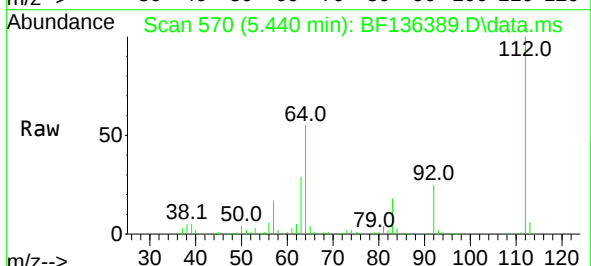
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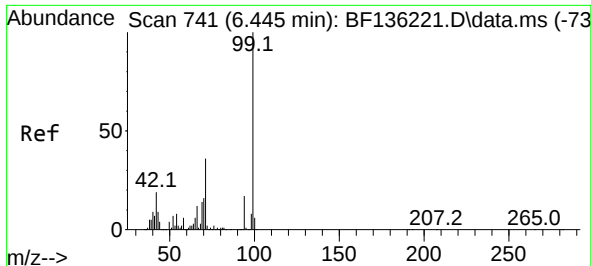
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#5
2-Fluorophenol
Concen: 62.859 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

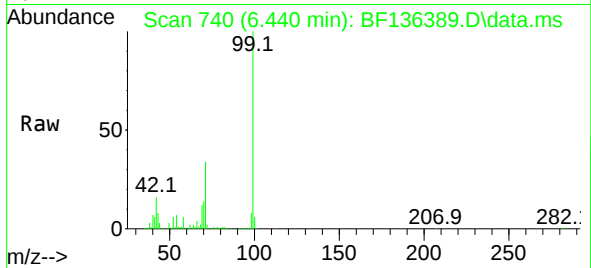
Tgt Ion:112 Resp: 580003
Ion Ratio Lower Upper
112 100
64 55.0 48.2 72.4
63 28.5 27.0 40.6





#7
Phenol-d6
Concen: 60.697 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

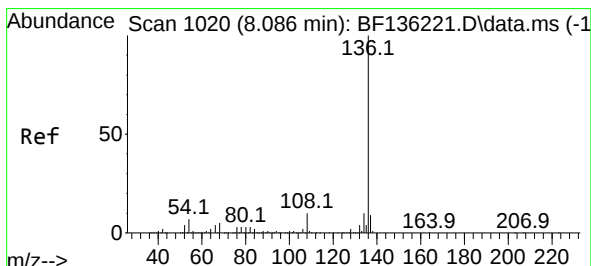
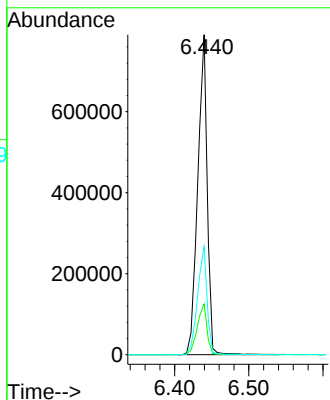
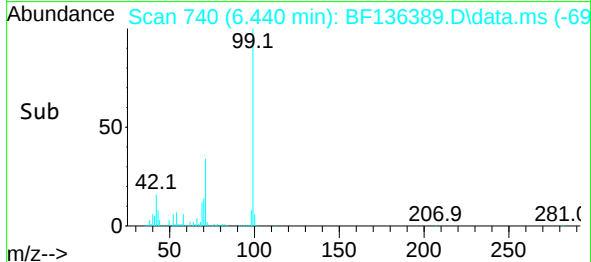
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP



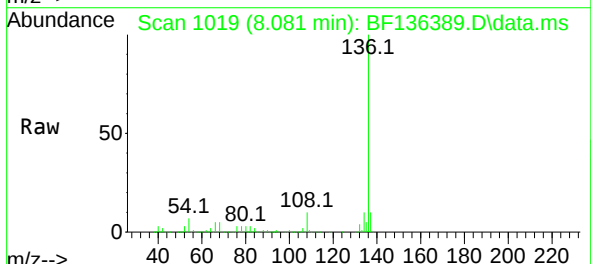
Tgt Ion: 99 Resp: 700279
Ion Ratio Lower Upper
99 100
42 15.8 15.0 22.6
71 33.7 28.9 43.3

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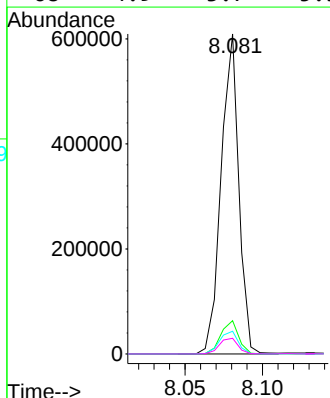
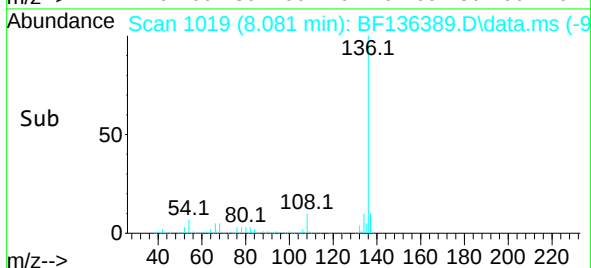
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023

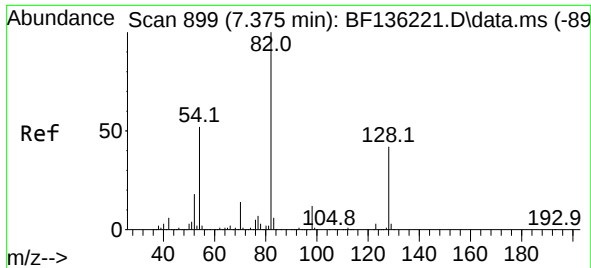


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03



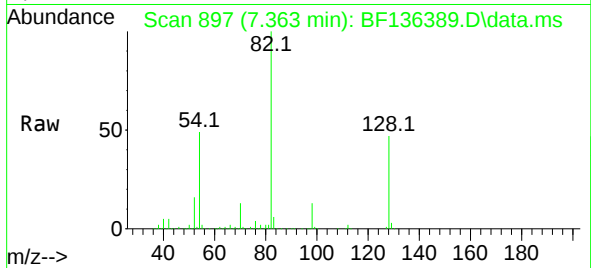
Tgt Ion:136 Resp: 482916
Ion Ratio Lower Upper
136 100
137 10.4 7.4 11.2
54 7.1 5.5 8.3
68 4.9 3.7 5.5





#23
Nitrobenzene-d5
Concen: 46.676 ng
RT: 7.363 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

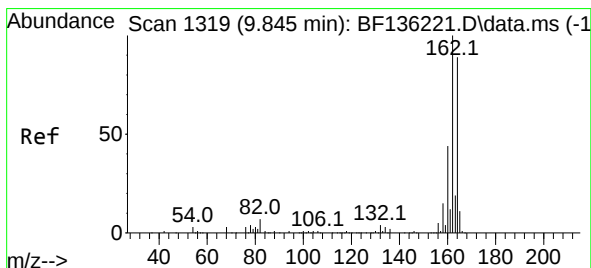
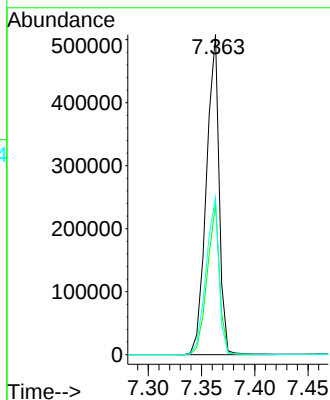
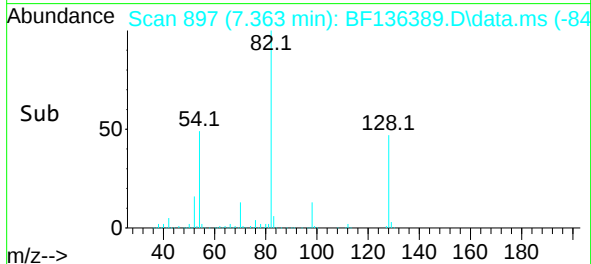
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP



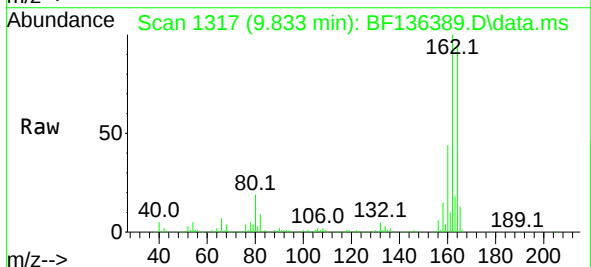
Tgt Ion: 82 Resp: 426550
Ion Ratio Lower Upper
82 100
128 47.0 33.4 50.2
54 49.2 41.7 62.5

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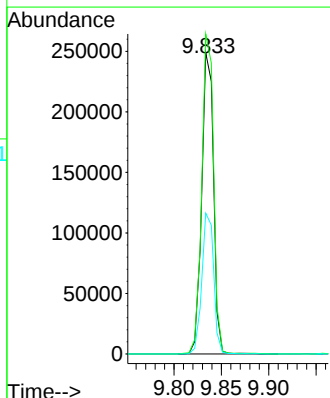
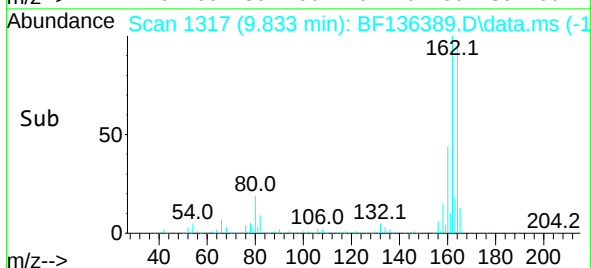
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03



Tgt Ion:164 Resp: 215526
Ion Ratio Lower Upper
164 100
162 106.2 89.5 134.3
160 46.7 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 57.813 ng

RT: 10.628 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF136389.D

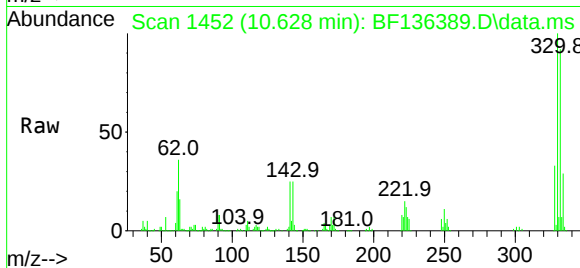
Acq: 04 Dec 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP



Tgt Ion:330 Resp: 152330

Ion Ratio Lower Upper

330 100

332 94.3 73.0 109.6

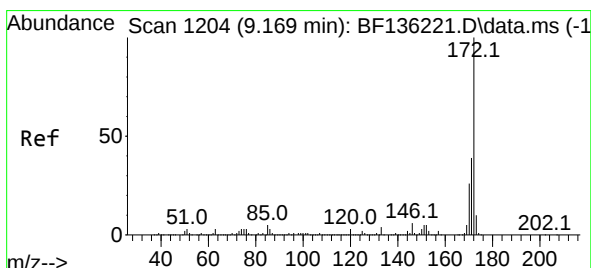
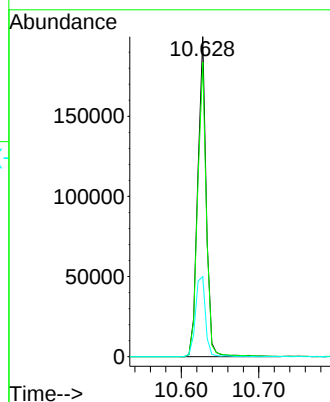
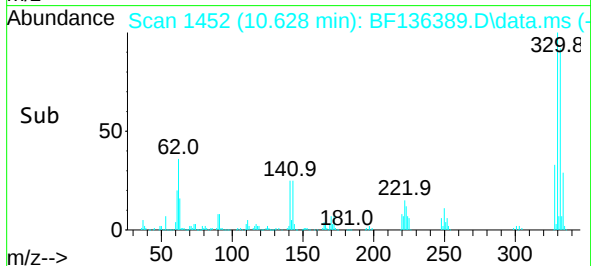
141 29.7 24.2 36.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023



#45

2-Fluorobiphenyl

Concen: 46.648 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

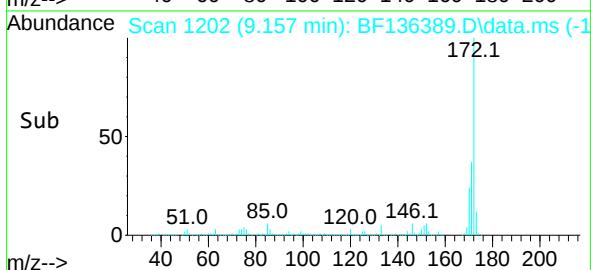
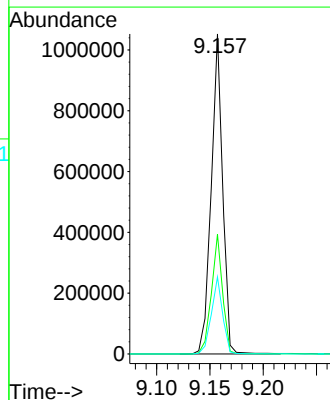
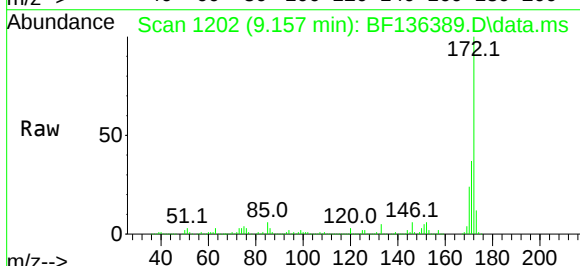
Tgt Ion:172 Resp: 787119

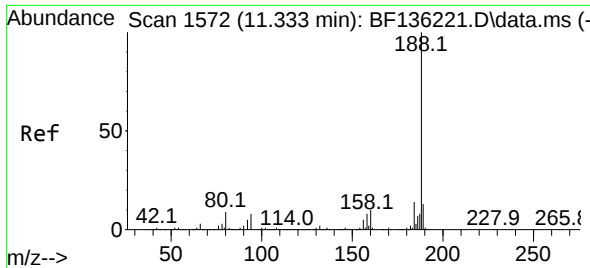
Ion Ratio Lower Upper

172 100

171 37.4 31.5 47.3

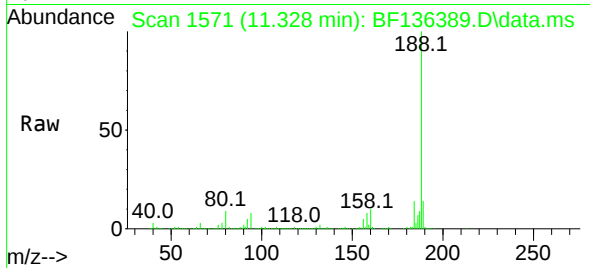
170 24.0 20.8 31.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

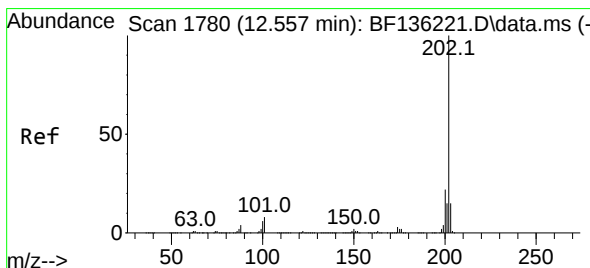
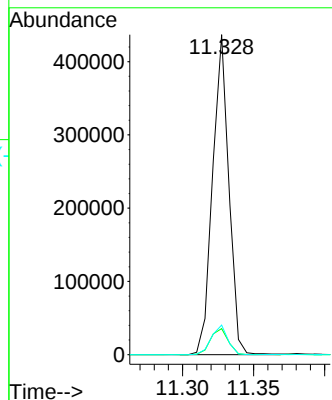
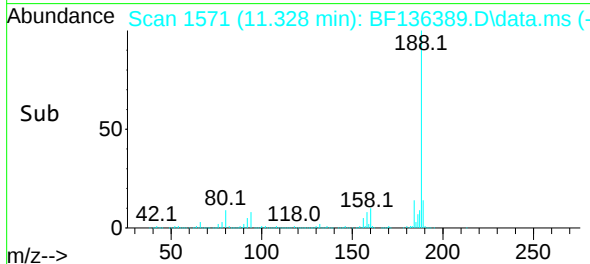
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP



Tgt Ion:188 Resp: 348138
Ion Ratio Lower Upper
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94 8.2 6.7 10.1
80 9.3 7.2 10.8

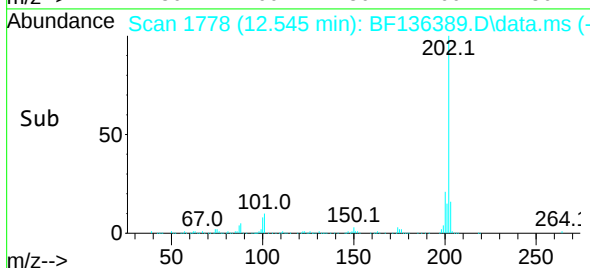
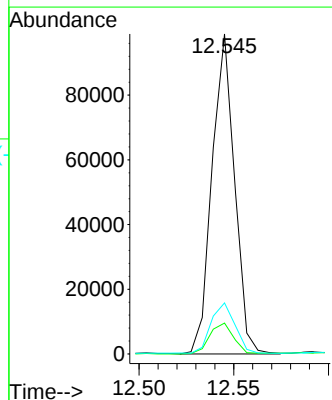
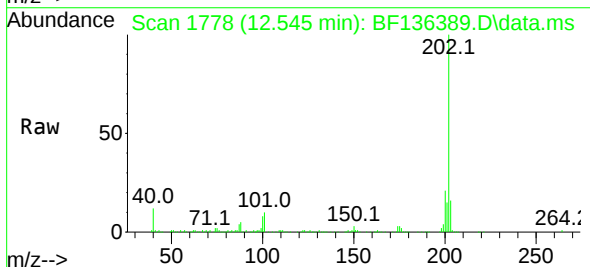
Manual Integrations
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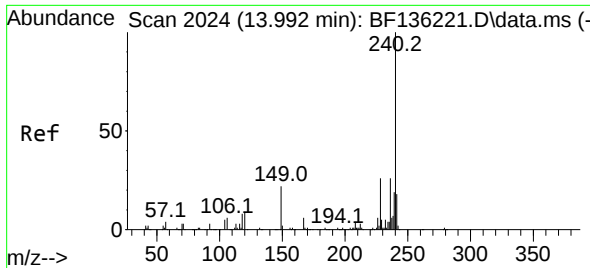
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#75
Fluoranthene
Concen: 4.136 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Tgt Ion:202 Resp: 82156
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.8
203 16.0 0.0 34.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Instrument :

BNA_F

ClientSampleId :

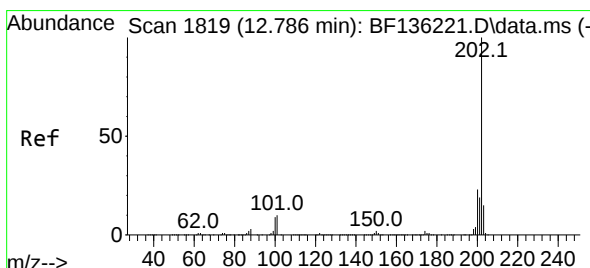
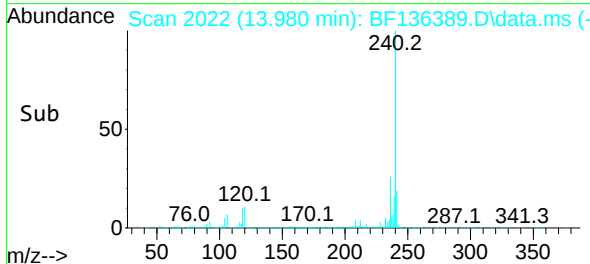
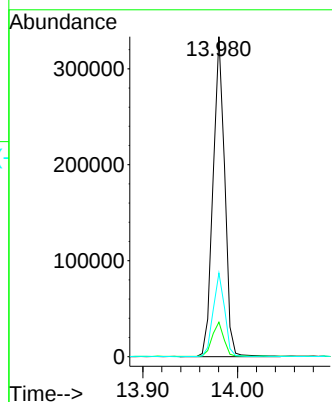
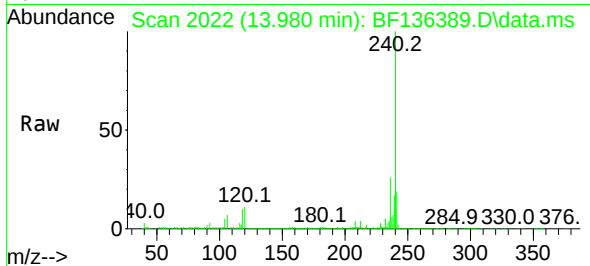
SP-2-COMP

Tgt Ion:240 Resp: 28548
Ion Ratio Lower Upper
240 100
120 10.8 7.4 11.2
236 26.2 21.1 31.7

Manual Integrations

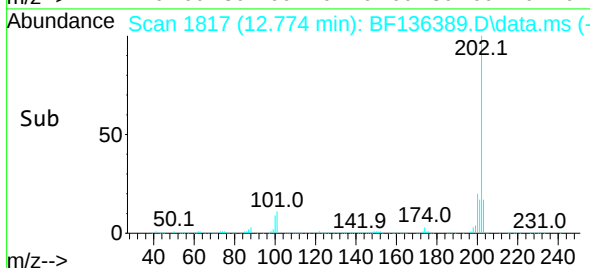
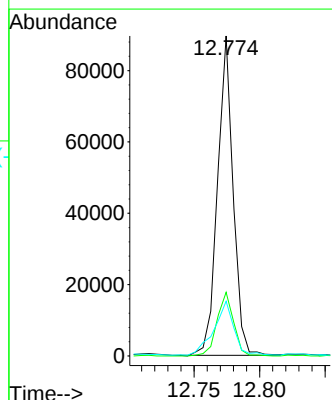
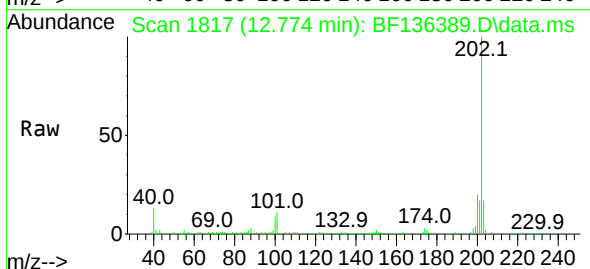
APPROVED

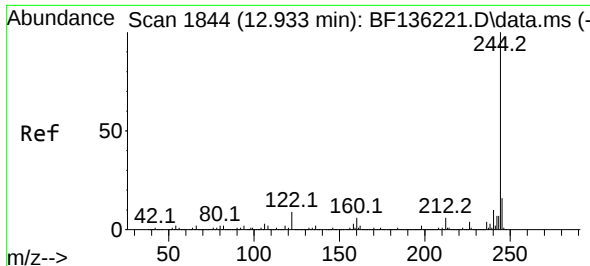
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#78
Pyrene
Concen: 2.371 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Tgt Ion:202 Resp: 74124
Ion Ratio Lower Upper
202 100
200 19.9 18.4 27.6
203 17.1 11.8 17.6





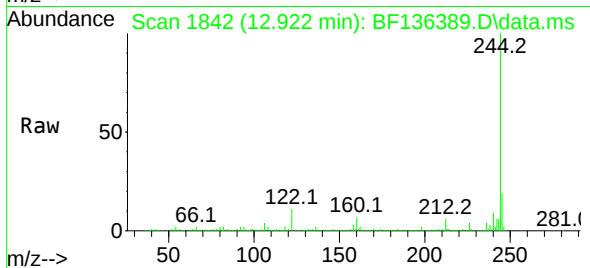
#79
 Terphenyl-d14
 Concen: 30.869 ng
 RT: 12.922 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136389.D
 Acq: 04 Dec 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP

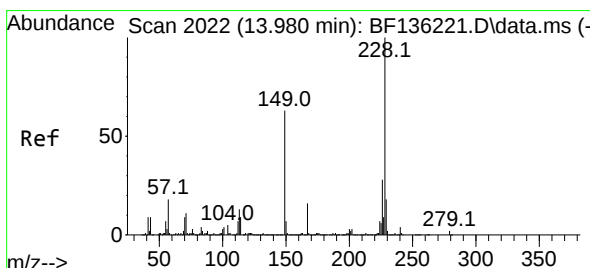
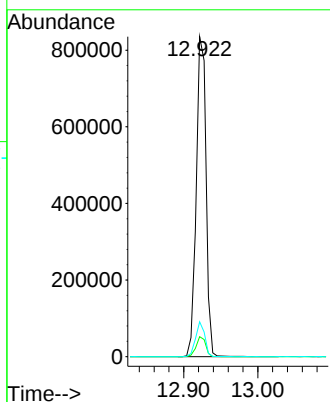
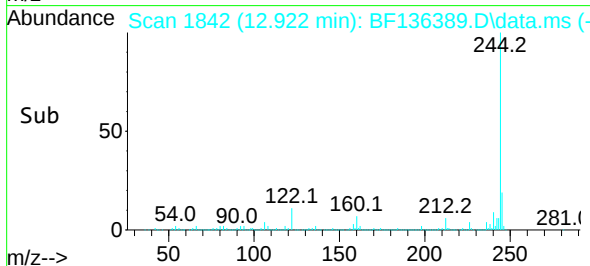


Tgt Ion:244 Resp: 764011
 Ion Ratio Lower Upper
 244 100
 212 6.2 4.6 7.0
 122 10.9 7.3 10.9

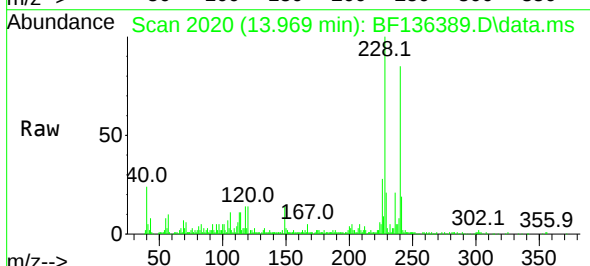
Manual Integrations

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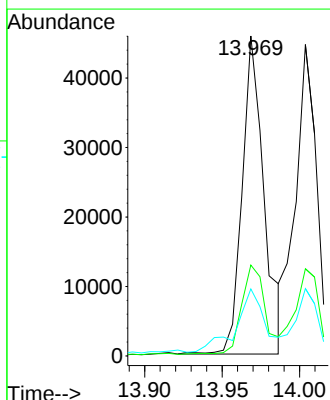
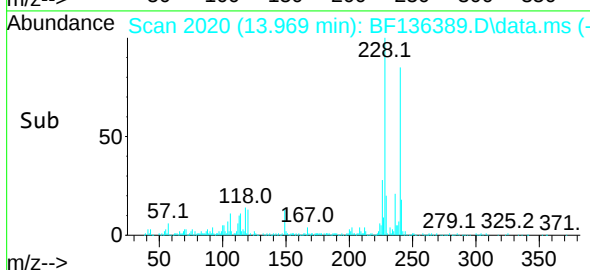
Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023

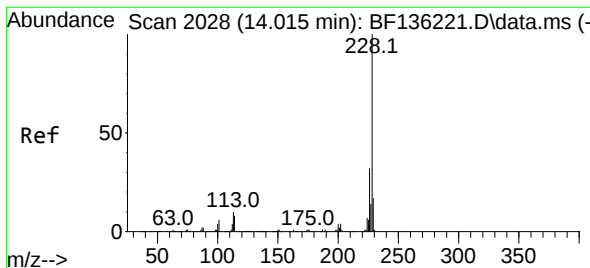


#81
 Benzo(a)anthracene
 Concen: 2.123 ng
 RT: 13.969 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: BF136389.D
 Acq: 04 Dec 2023 19:03



Tgt Ion:228 Resp: 45012
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.6 34.0
 229 21.0 14.0 21.0





#83

Chrysene

Concen: 2.092 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP

Tgt Ion:228 Resp: 4284

Ion Ratio Lower Upper

228 100

226 28.0 25.5 38.3

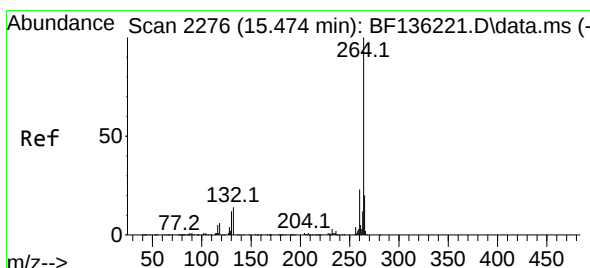
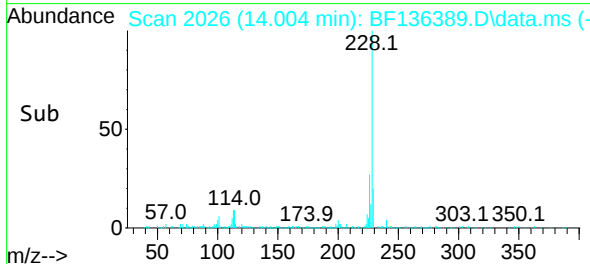
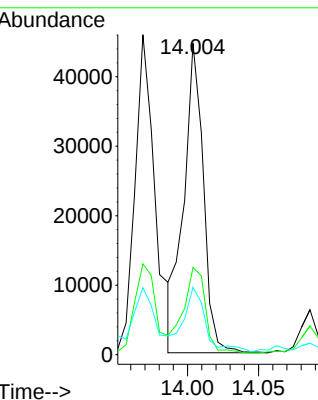
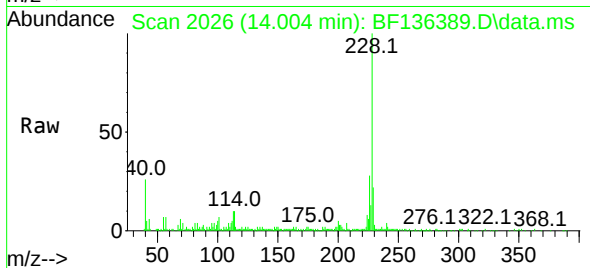
229 21.6 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. 0.012 min

Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

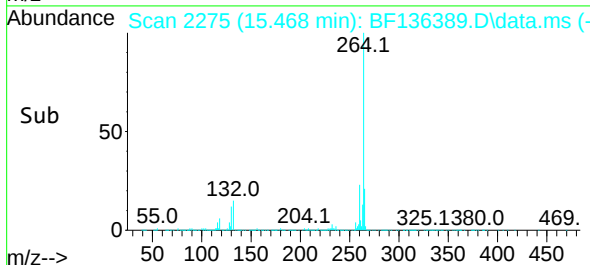
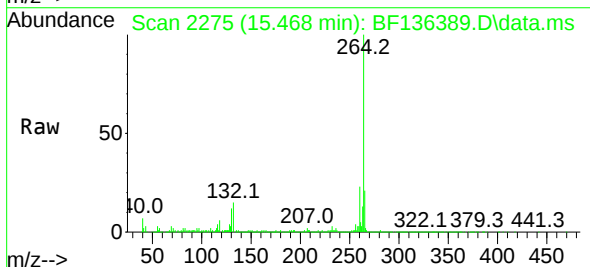
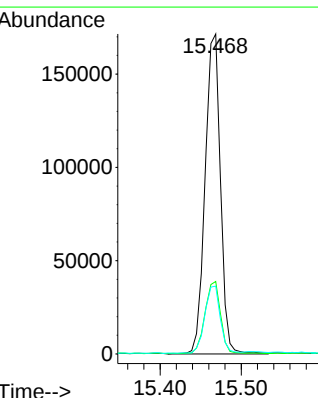
Tgt Ion:264 Resp: 225728

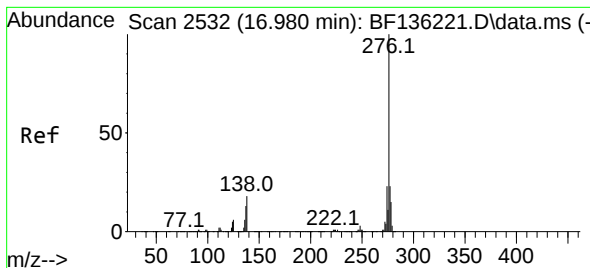
Ion Ratio Lower Upper

264 100

260 22.6 18.6 27.8

265 21.2 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.817 ng

RT: 16.962 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP

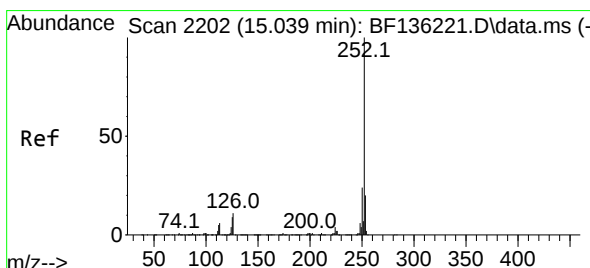
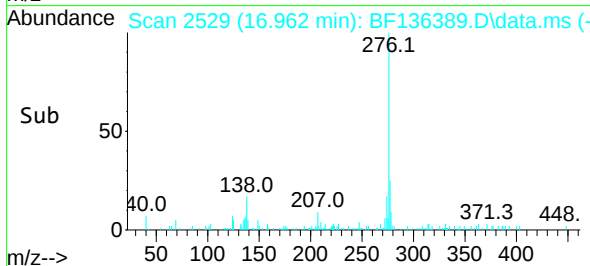
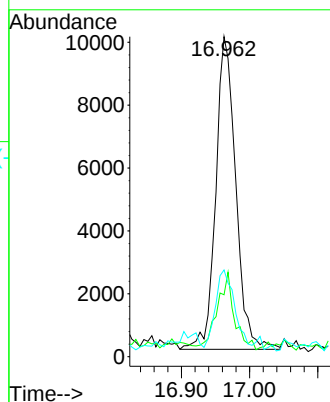
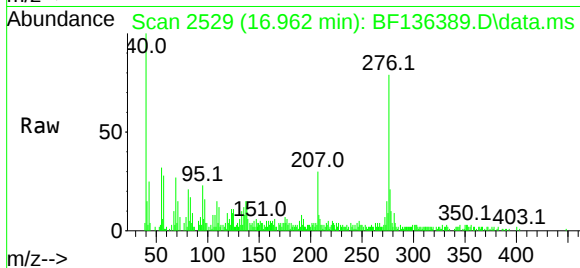
Tgt Ion:	276	Resp:	2032
Ion Ratio	Lower	Upper	
276	100		
138	19.4	17.7	26.5
277	23.3	19.6	29.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023



#88

Benzo(b)fluoranthene

Concen: 3.207 ng m

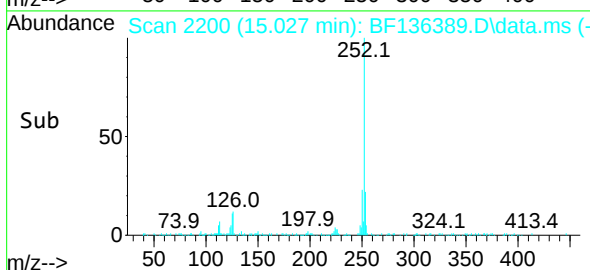
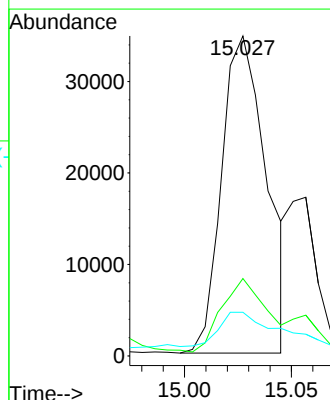
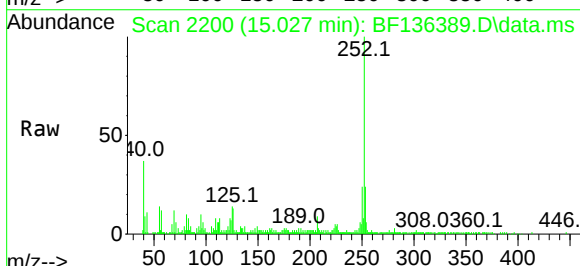
RT: 15.027 min Scan# 2200

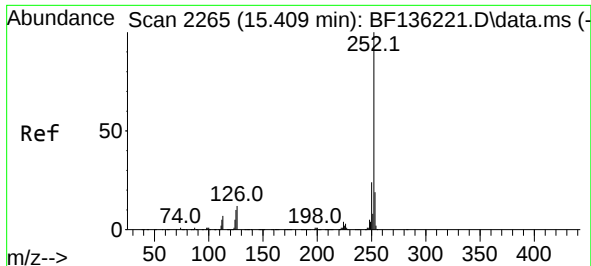
Delta R.T. 0.000 min

Lab File: BF136389.D

Acq: 04 Dec 2023 19:03

Tgt Ion:	252	Resp:	50796
Ion Ratio	Lower	Upper	
252	100		
253	24.2	16.2	24.2
125	13.6	6.9	10.3





#90
Benzo(a)pyrene
Concen: 2.432 ng
RT: 15.398 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Instrument :

BNA_F

ClientSampleId :

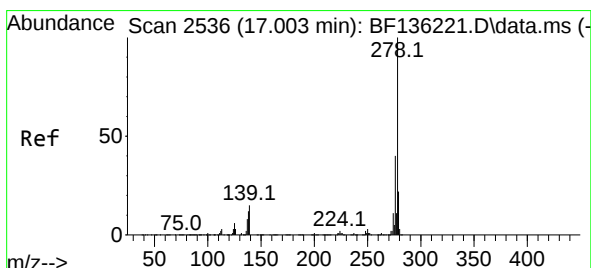
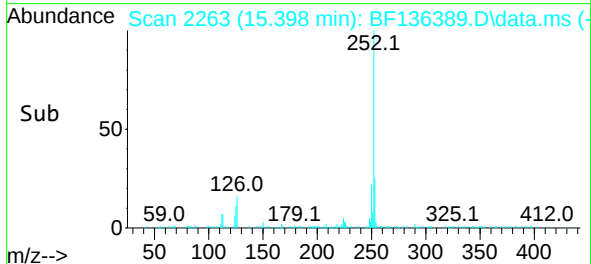
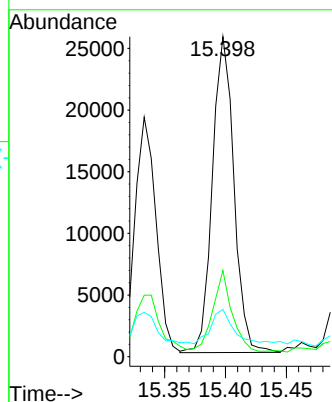
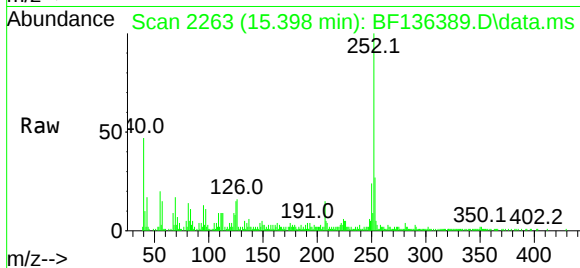
SP-2-COMP

Tgt Ion:252 Resp: 3149
Ion Ratio Lower Upper
252 100
253 26.9 15.5 23.3#
125 14.7 7.9 11.9#

Manual Integrations

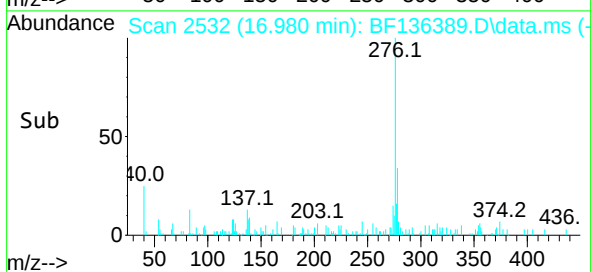
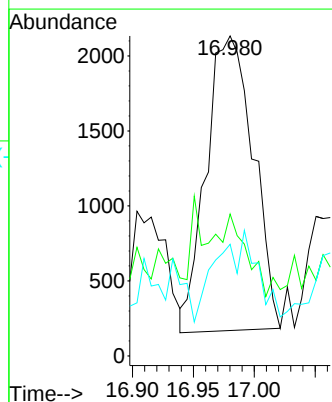
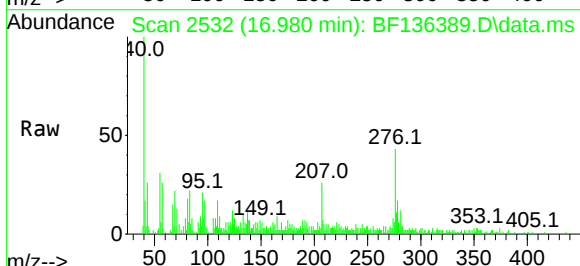
APPROVED

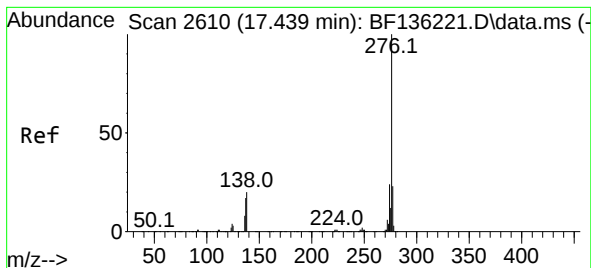
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.081 ng
RT: 16.980 min Scan# 2532
Delta R.T. -0.012 min
Lab File: BF136389.D
Acq: 04 Dec 2023 19:03

Tgt Ion:278 Resp: 5270
Ion Ratio Lower Upper
278 100
139 44.4 11.7 17.5#
279 34.9 17.8 26.8#





#92

Benzo(g,h,i)perylene

Concen: 3.249 ng

RT: 17.421 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136389.D

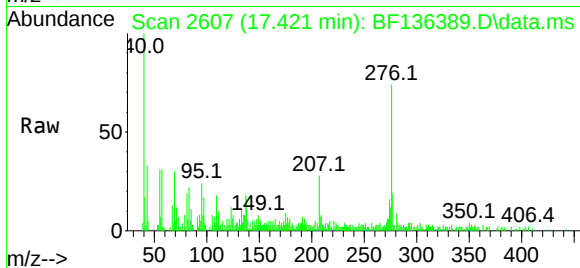
Acq: 04 Dec 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP



Tgt Ion:	276	Resp:	1907
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.6	27.8
138	22.0	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023

