

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136515.D
 Acq On : 12 Dec 2023 14:43
 Operator : CG\JU
 Sample : 05628-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 12 15:19:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	93816	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	381191	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	192552	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	357160	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	209559	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	229491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	693662	109.194	ng	0.00
7) Phenol-d6	6.439	99	871298	109.932	ng	0.00
23) Nitrobenzene-d5	7.357	82	527300	74.781	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	269766	113.625	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1003972	71.145	ng	-0.01
79) Terphenyl-d14	12.915	244	1087020	68.369	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	77101	3.927	ng	98
75) Fluoranthene	12.533	202	96143	4.673	ng	97
78) Pyrene	12.763	202	86138	4.197	ng	98
81) Benzo(a)anthracene	13.962	228	32063	2.197	ng	# 90
83) Chrysene	13.998	228	33453m	2.329	ng	
84) Bis(2-ethylhexyl)phtha...	13.957	149	78420	8.756	ng	99
88) Benzo(b)fluoranthene	15.015	252	35290m	2.249	ng	
90) Benzo(a)pyrene	15.386	252	26889	2.075	ng	98

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

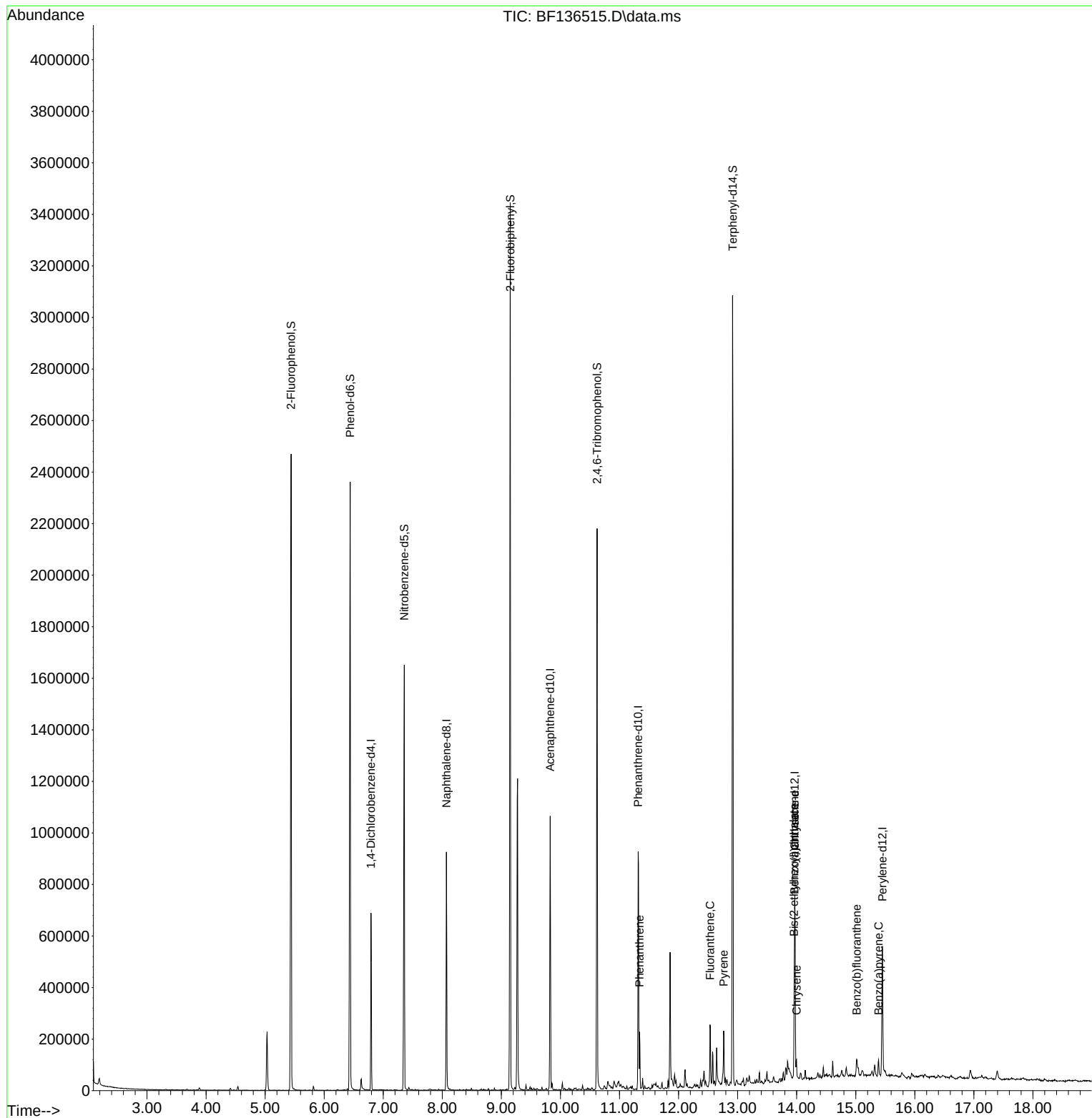
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
Data File : BF136515.D
Acq On : 12 Dec 2023 14:43
Operator : CG\JU
Sample : 05628-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

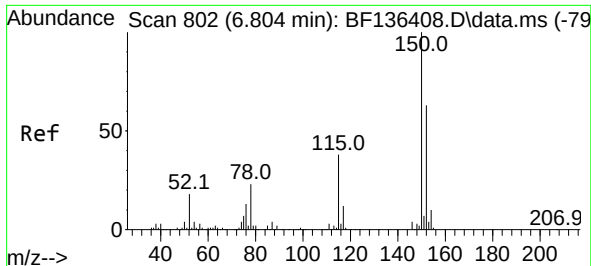
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Quant Time: Dec 12 15:19:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration

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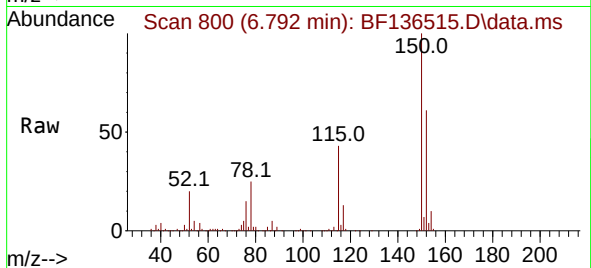
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP



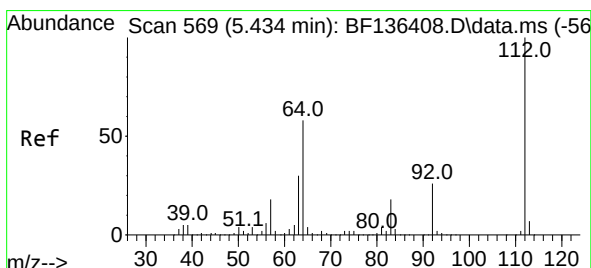
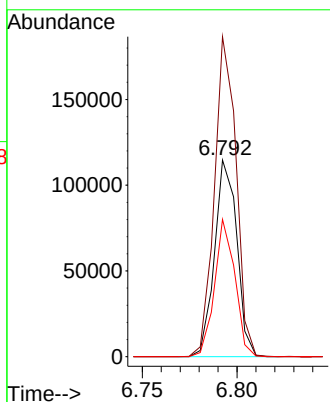
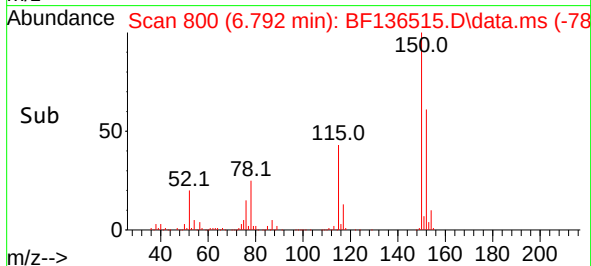
Tgt Ion:152 Resp: 93810
Ion Ratio Lower Upper
152 100
150 162.8 126.4 189.6
115 69.8 48.2 72.4

Manual Integrations

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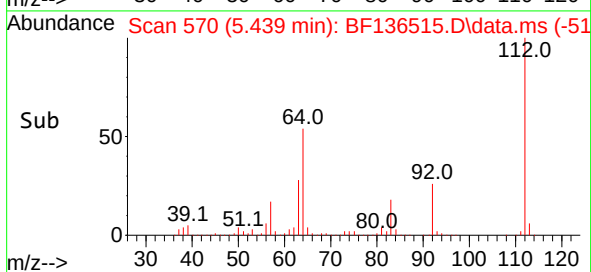
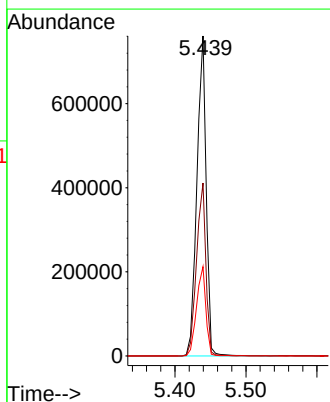
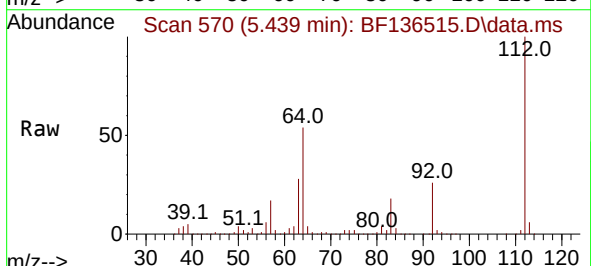
Reviewed By :Yogesh Patel 12/14/2023

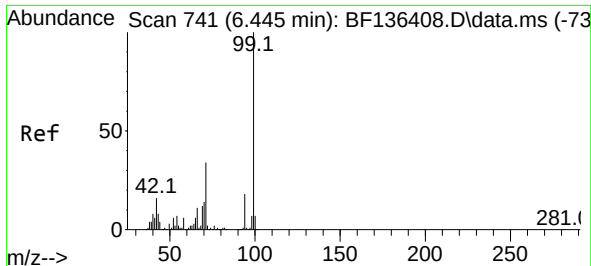
Supervised By :mohammad ahmed 12/14/2023



#5
2-Fluorophenol
Concen: 109.194 ng
RT: 5.439 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

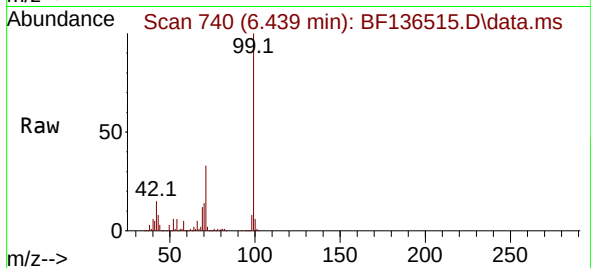
Tgt Ion:112 Resp: 693662
Ion Ratio Lower Upper
112 100
64 54.1 46.5 69.7
63 27.9 23.9 35.9





#7
Phenol-d6
Concen: 109.932 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

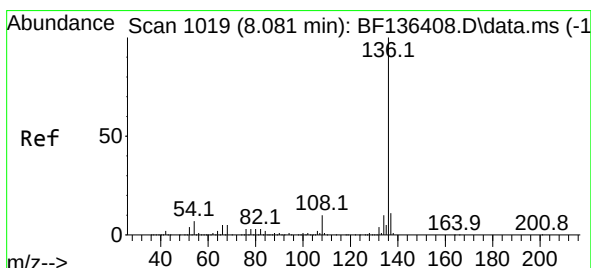
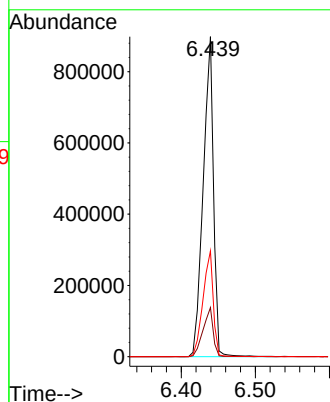
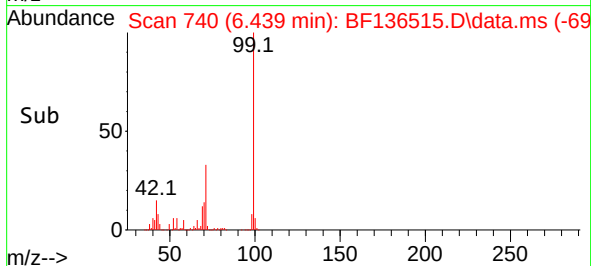
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP



Tgt Ion: 99 Resp: 871298
Ion Ratio Lower Upper
99 100
42 15.4 12.8 19.2
71 33.0 27.0 40.4

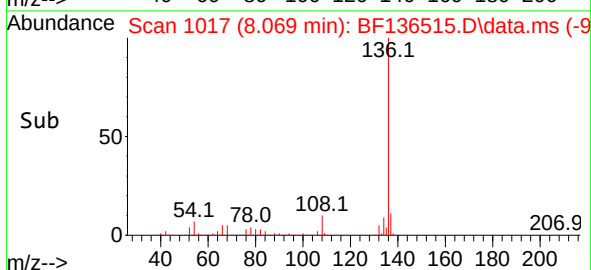
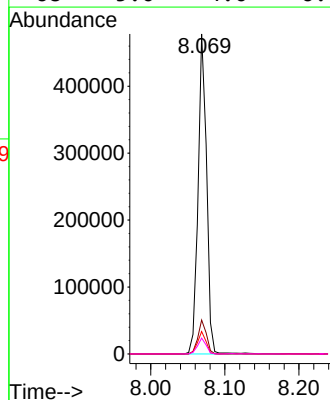
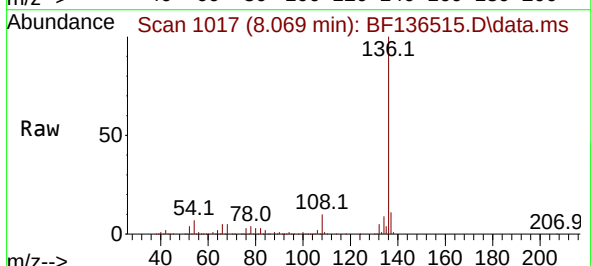
Manual Integrations
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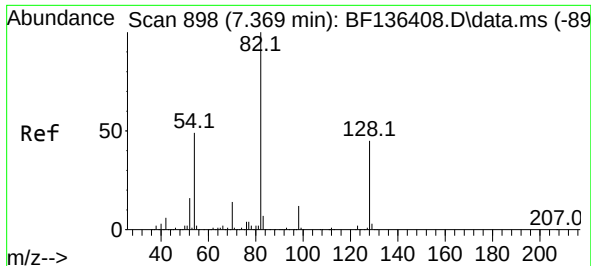
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

Tgt Ion:136 Resp: 381191
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 7.0 5.7 8.5
68 5.0 4.0 6.0





#23

Nitrobenzene-d5

Concen: 74.781 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion: 82 Resp: 527300

Ion Ratio Lower Upper

82 100

128 47.4 36.3 54.5

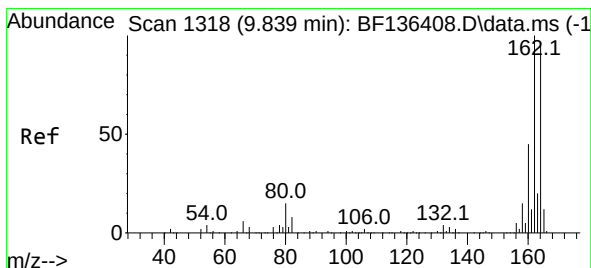
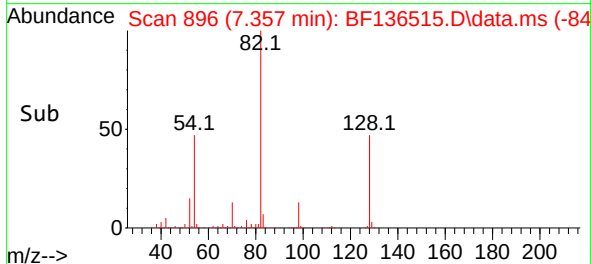
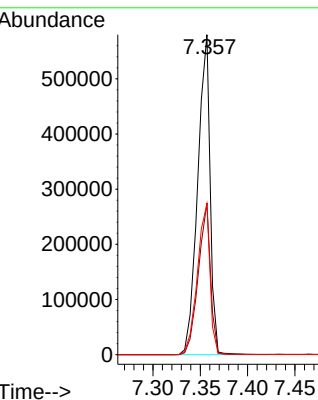
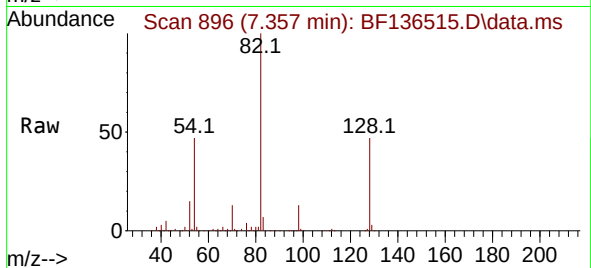
54 47.1 39.0 58.6

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Supervised By :mohammad ahmed 12/14/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

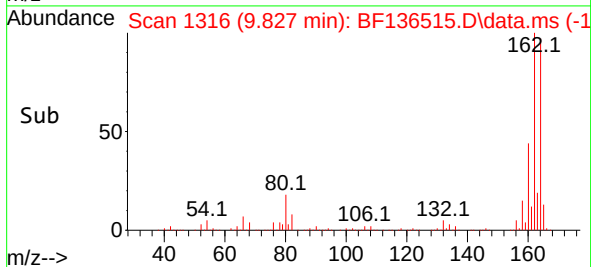
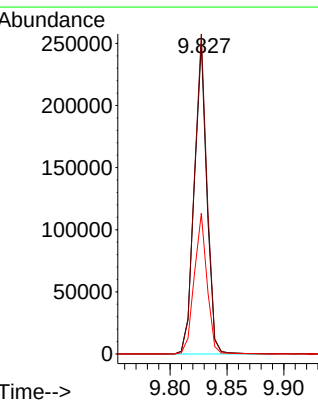
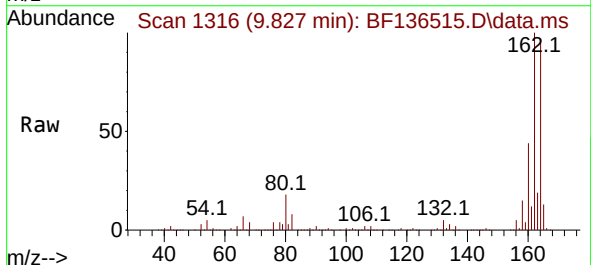
Tgt Ion:164 Resp: 192552

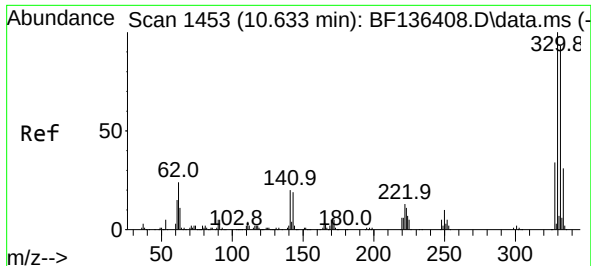
Ion Ratio Lower Upper

164 100

162 103.1 84.4 126.6

160 45.3 37.6 56.4





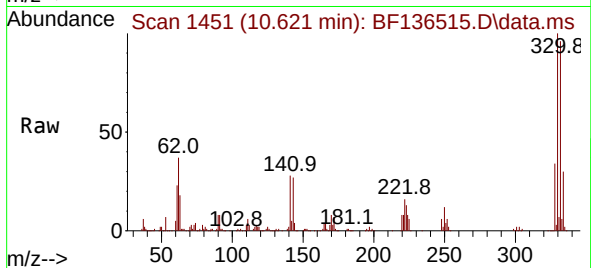
#42
2,4,6-Tribromophenol
Concen: 113.625 ng
RT: 10.621 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

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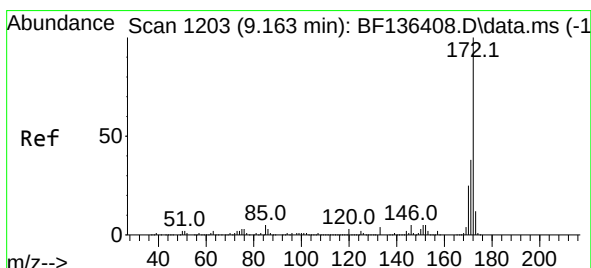
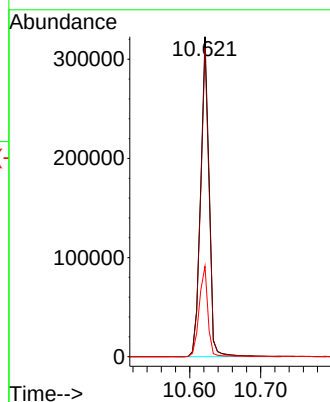
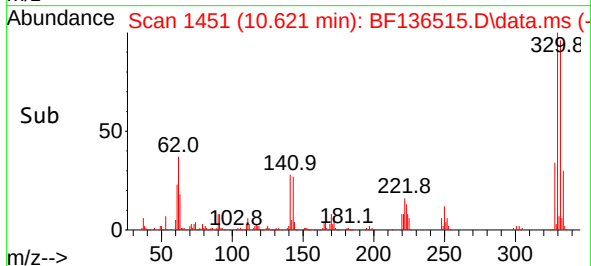
Tgt Ion:330 Resp: 269760
Ion Ratio Lower Upper
330 100
332 96.3 76.4 114.6
141 28.9 23.4 35.2

Manual Integrations

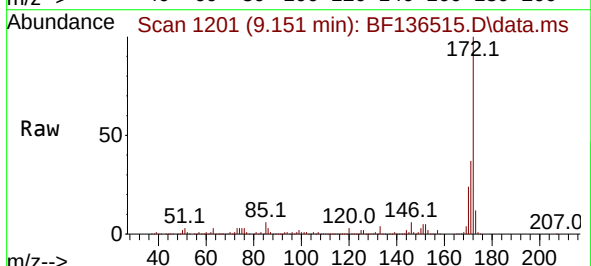
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

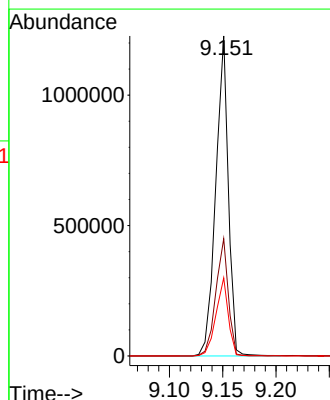
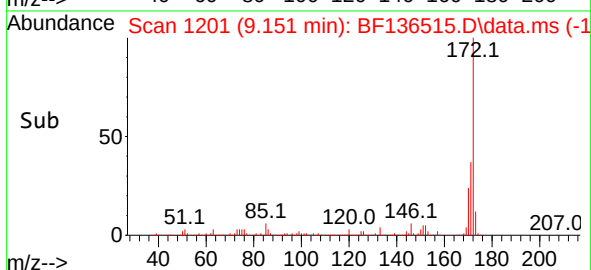
Supervised By :mohammad ahmed 12/14/2023

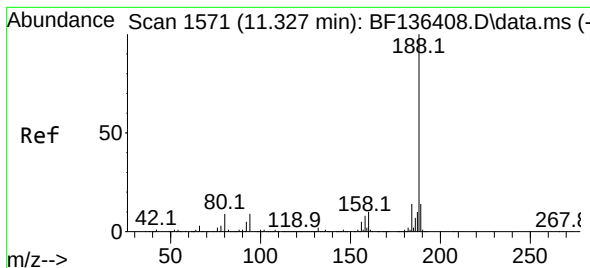


#45
2-Fluorobiphenyl
Concen: 71.145 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43



Tgt Ion:172 Resp: 1003972
Ion Ratio Lower Upper
172 100
171 36.6 30.5 45.7
170 24.4 19.9 29.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:188 Resp: 357160

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

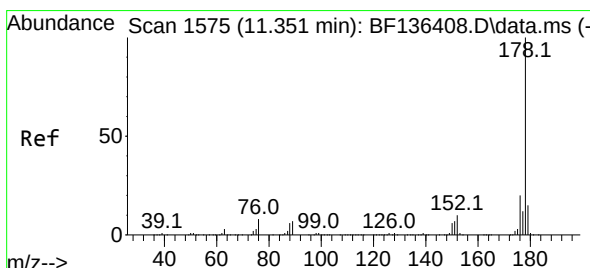
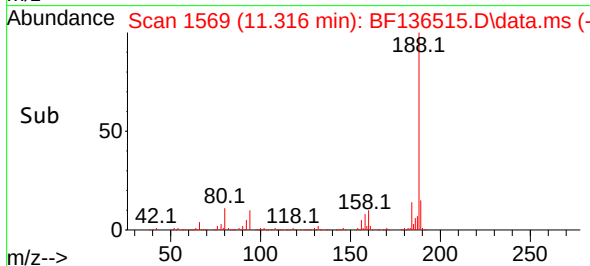
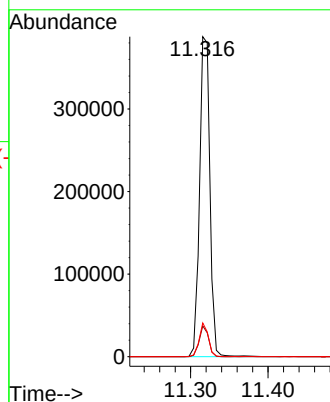
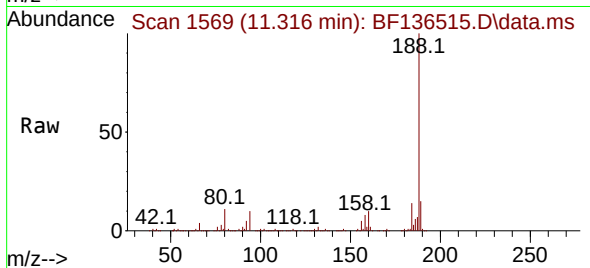
80 10.5 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#71

Phenanthrene

Concen: 3.927 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

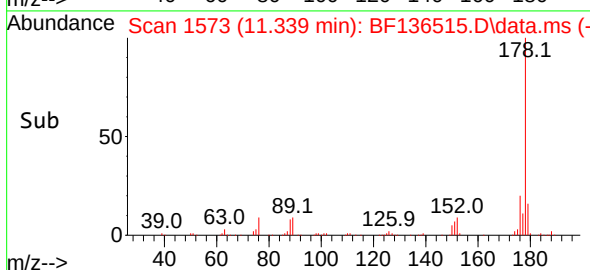
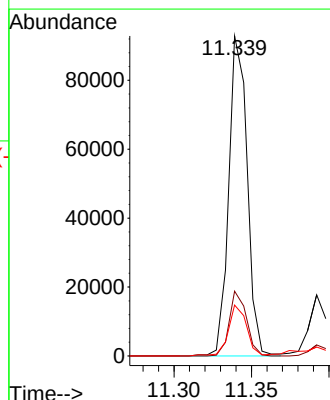
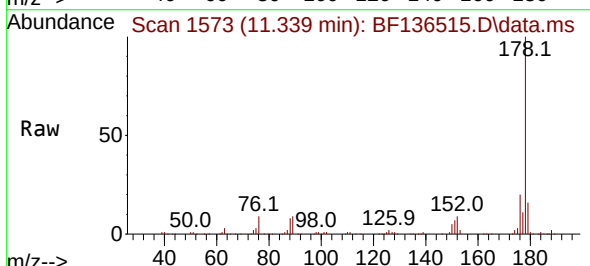
Tgt Ion:178 Resp: 77101

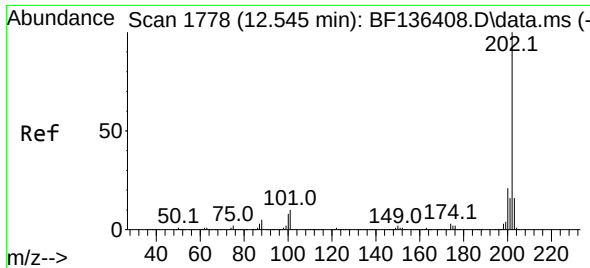
Ion Ratio Lower Upper

178 100

176 20.3 15.9 23.9

179 15.9 11.8 17.6





#75
Fluoranthene
Concen: 4.673 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

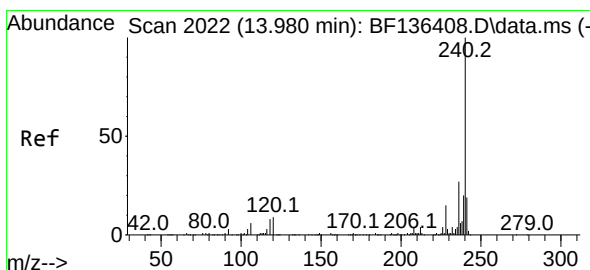
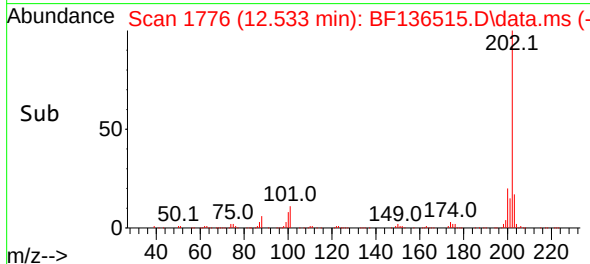
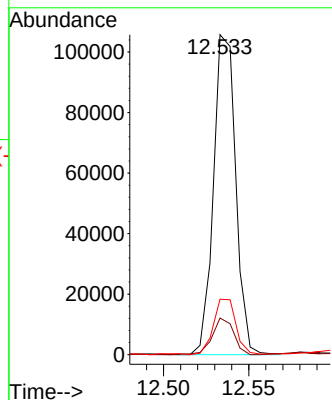
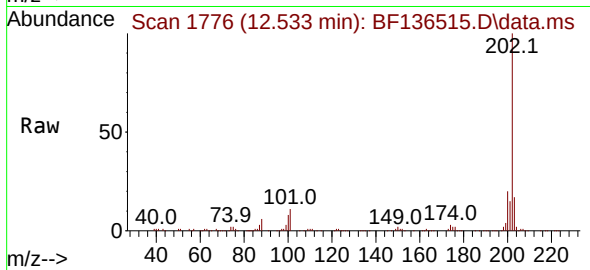
SB-02-COMP

Tgt Ion:202 Resp: 9614
Ion Ratio Lower Upper
202 100
101 11.5 0.0 29.9
203 17.3 0.0 36.3

Manual Integrations

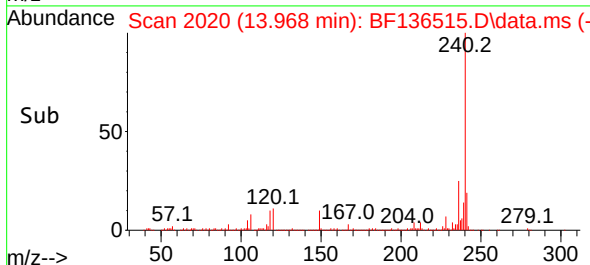
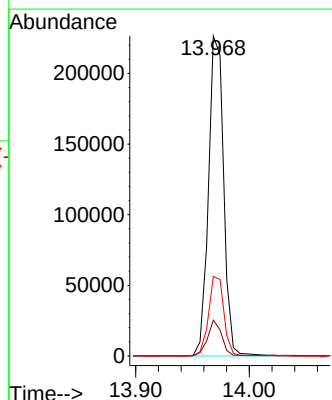
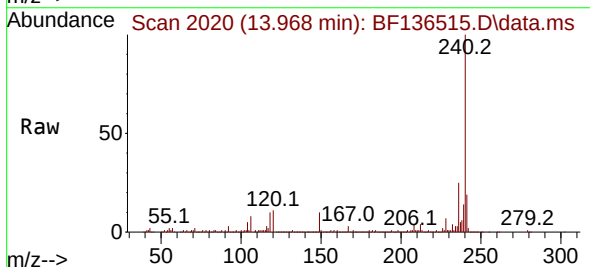
APPROVED

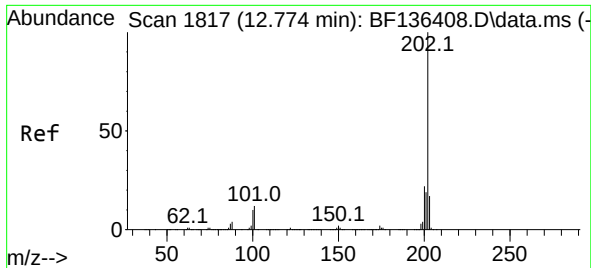
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

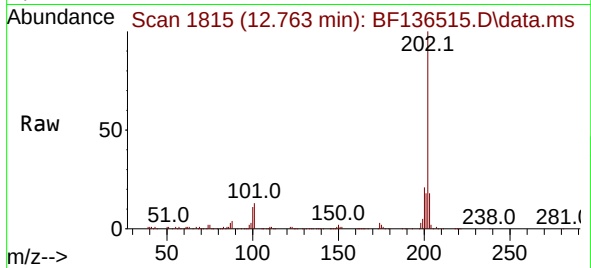
Tgt Ion:240 Resp: 209559
Ion Ratio Lower Upper
240 100
120 11.2 7.3 10.9#
236 24.9 21.3 31.9





#78
Pyrene
Concen: 4.197 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

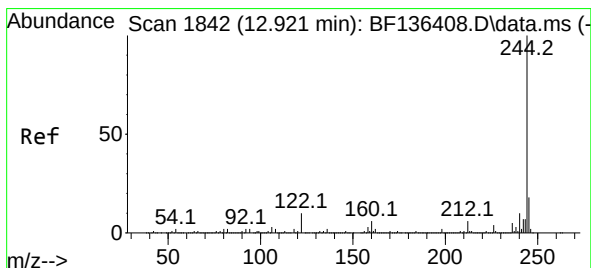
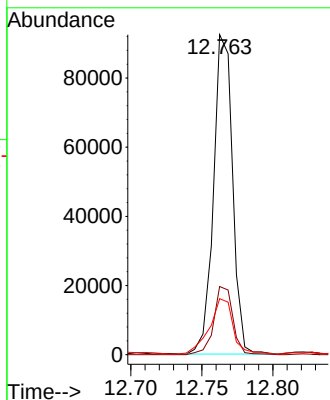
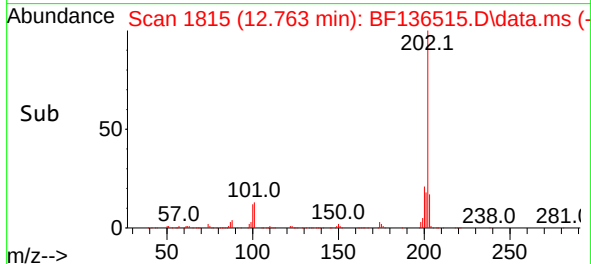
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP



Tgt Ion:202 Resp: 86138
Ion Ratio Lower Upper
202 100
200 21.3 18.0 27.0
203 17.5 13.5 20.3

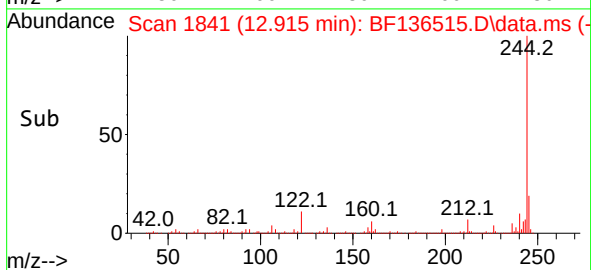
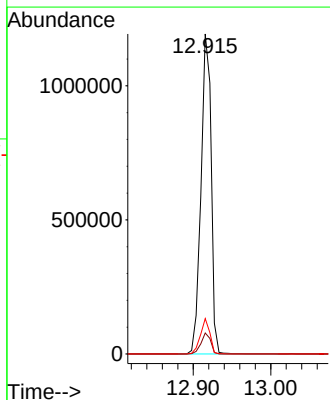
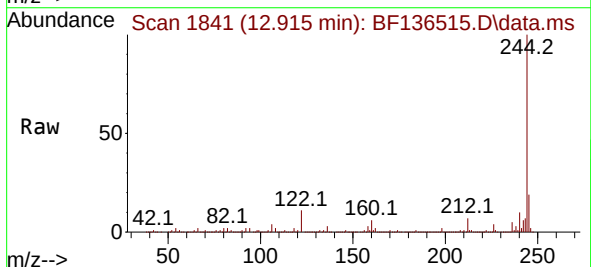
Manual Integrations
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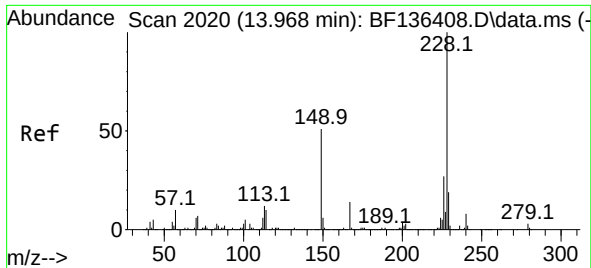
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#79
Terphenyl-d14
Concen: 68.369 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

Tgt Ion:244 Resp: 1087020
Ion Ratio Lower Upper
244 100
212 6.6 5.0 7.4
122 11.1 8.3 12.5





#81
Benzo(a)anthracene
Concen: 2.197 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

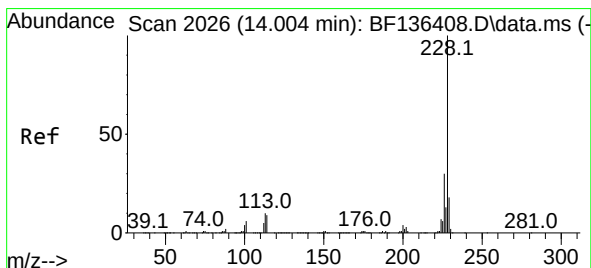
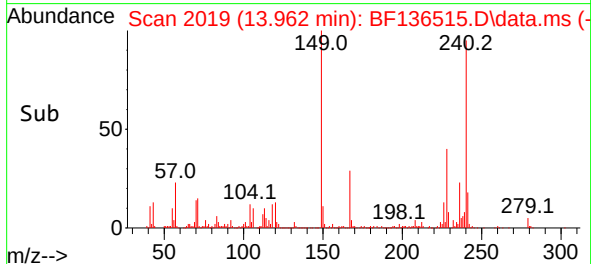
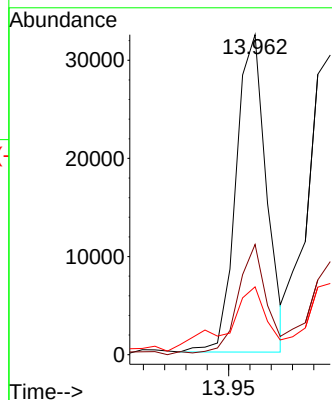
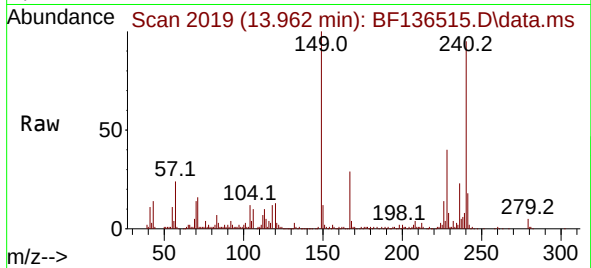
SB-02-COMP

Tgt Ion:228 Resp: 3206
Ion Ratio Lower Upper
228 100
226 34.4 21.8 32.8
229 21.2 15.0 22.4

Manual Integrations

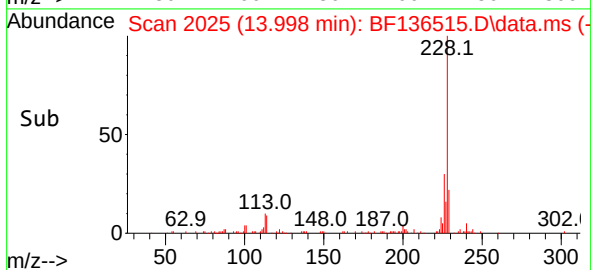
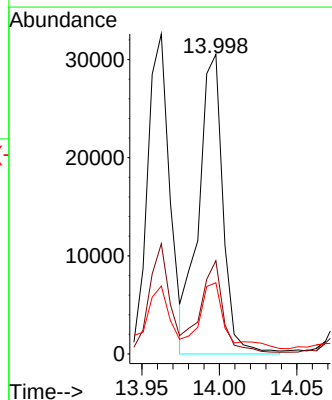
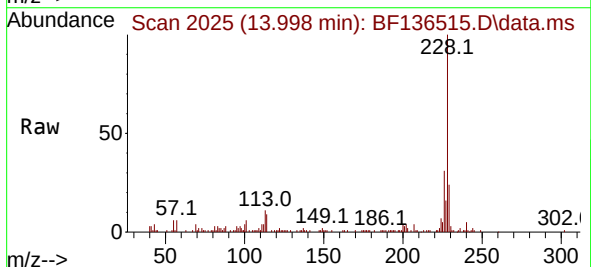
APPROVED

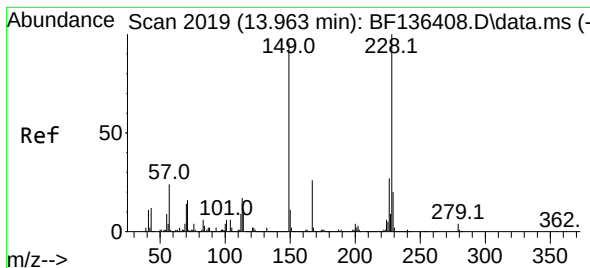
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#83
Chrysene
Concen: 2.329 ng m
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

Tgt Ion:228 Resp: 33453
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.6
229 23.7 14.8 22.2#





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.756 ng

RT: 13.957 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:149 Resp: 78420

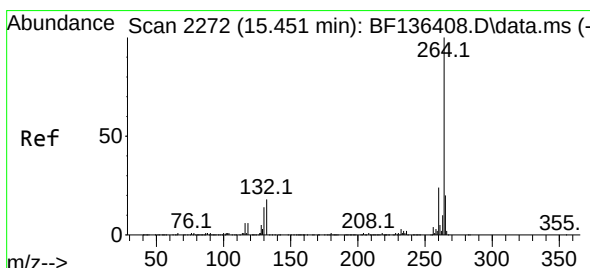
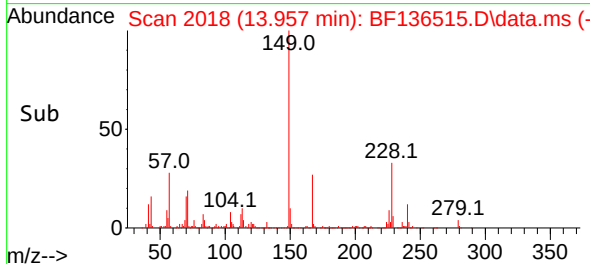
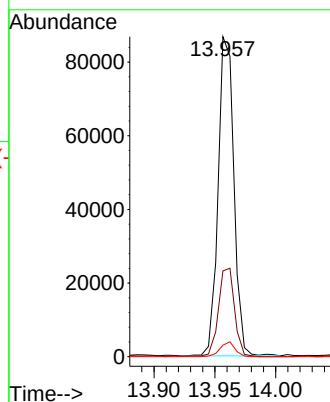
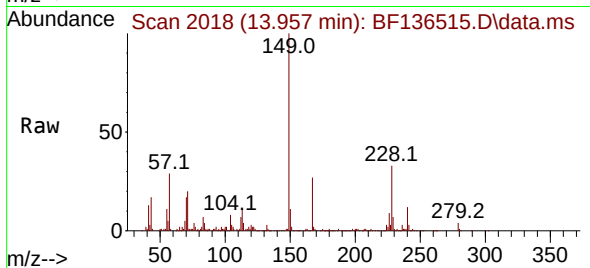
Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.2	31.8
279	3.6	3.1	4.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

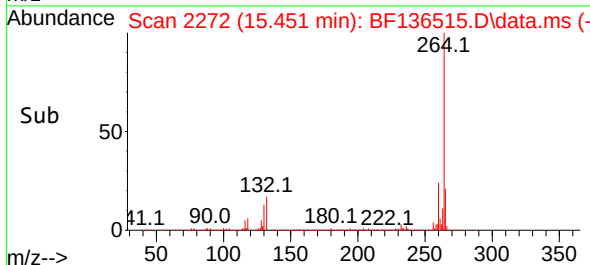
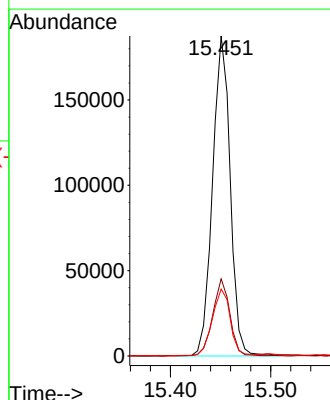
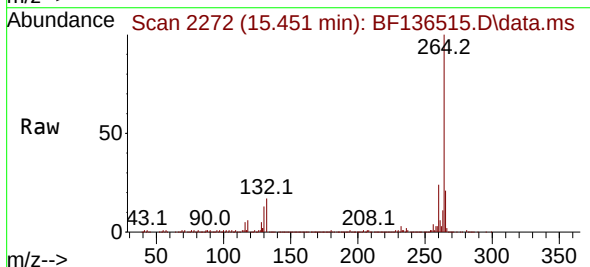
Delta R.T. -0.000 min

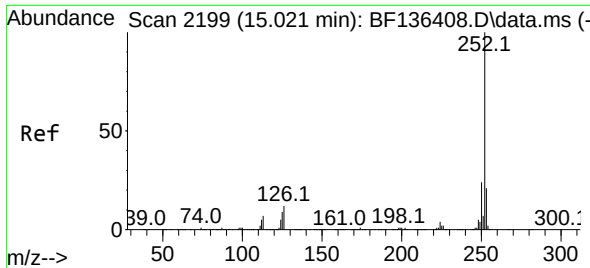
Lab File: BF136515.D

Acq: 12 Dec 2023 14:43

Tgt Ion:264 Resp: 229491

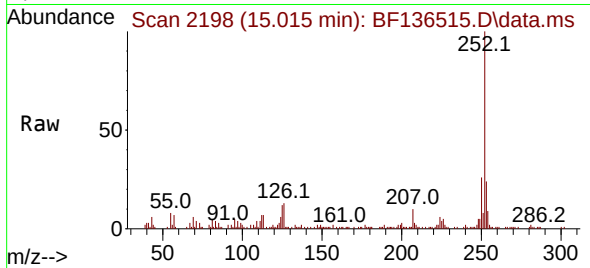
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	20.9	15.9	23.9





#88
Benzo(b)fluoranthene
Concen: 2.249 ng m
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

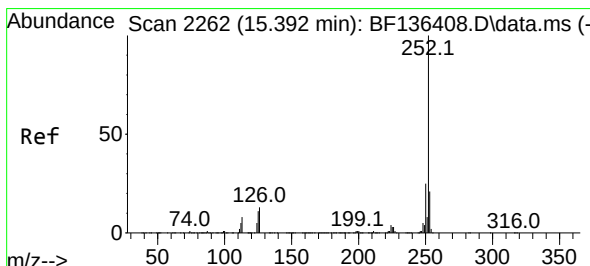
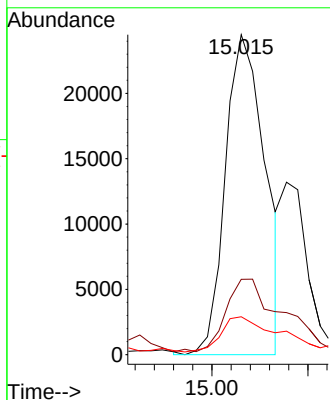
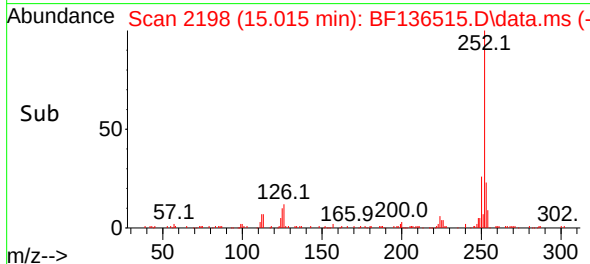
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP



Tgt Ion:252 Resp: 35290
Ion Ratio Lower Upper
252 100
253 23.6 16.9 25.3
125 11.9 7.4 11.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#90
Benzo(a)pyrene
Concen: 2.075 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF136515.D
Acq: 12 Dec 2023 14:43

Tgt Ion:252 Resp: 26889
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.4
125 10.0 8.6 13.0

