

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136587.D
 Acq On : 15 Dec 2023 12:09
 Operator : CG\JU
 Sample : 05718-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20231206

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

Quant Time: Dec 15 12:34:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	99363	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	391720	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	192907	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	286914	20.000	ng	0.00
76) Chrysene-d12	13.963	240	192519	20.000	ng	0.00
86) Perylene-d12	15.439	264	237633	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	603297	89.668	ng	0.00
7) Phenol-d6	6.434	99	733096	87.332	ng	0.00
23) Nitrobenzene-d5	7.345	82	452174	62.403	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	178118	74.885	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	917581	64.904	ng	0.00
79) Terphenyl-d14	12.904	244	699916	47.918	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	68848	4.366	ng	95
75) Fluoranthene	12.527	202	81118	4.908	ng	98
78) Pyrene	12.757	202	77031	4.086	ng	96
81) Benzo(a)anthracene	13.951	228	39035	2.911	ng	97
83) Chrysene	13.986	228	36031	2.731	ng	98
88) Benzo(b)fluoranthene	15.004	252	54902m	3.379	ng	
90) Benzo(a)pyrene	15.374	252	39036	2.909	ng	97

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

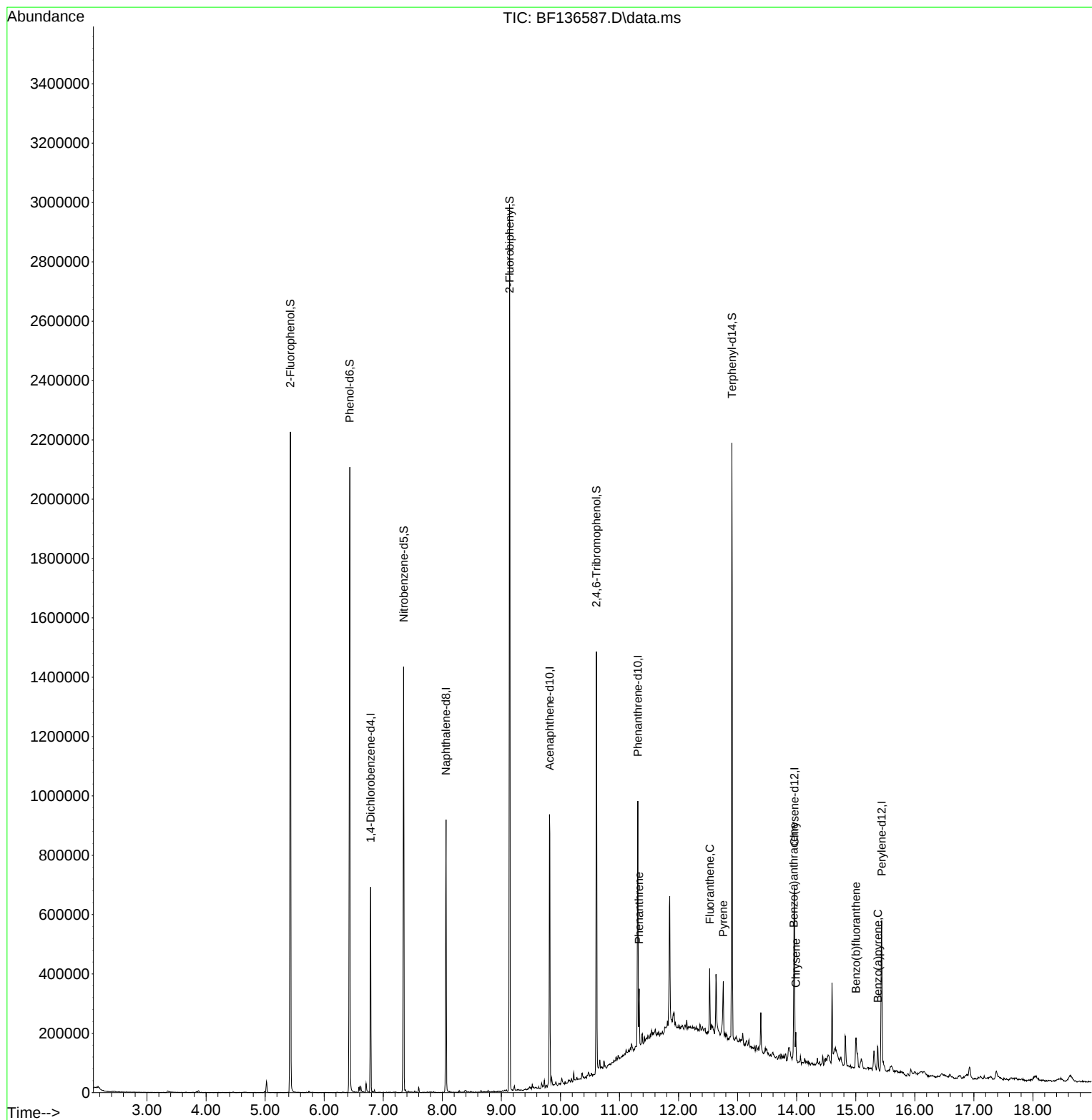
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
Data File : BF136587.D
Acq On : 15 Dec 2023 12:09
Operator : CG\JU
Sample : 05718-01
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ALS Vial : 4 Sample Multiplier: 1

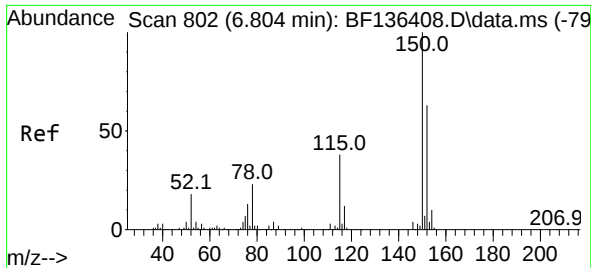
Instrument :
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Quant Time: Dec 15 12:34:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
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QLast Update : Fri Dec 15 00:33:23 2023
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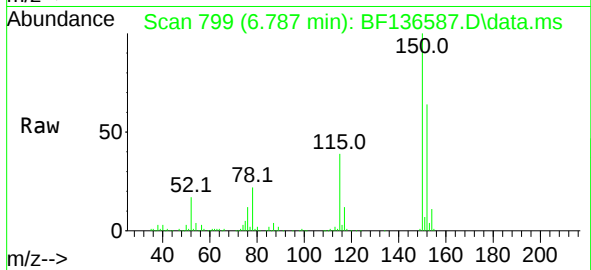
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

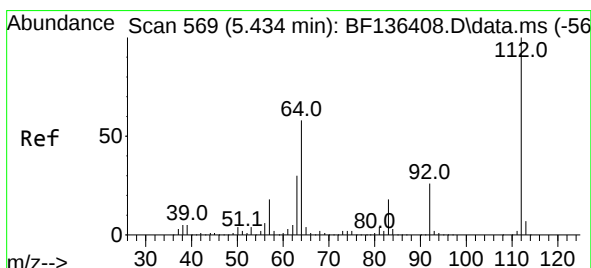
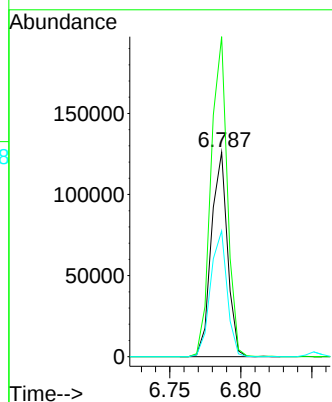
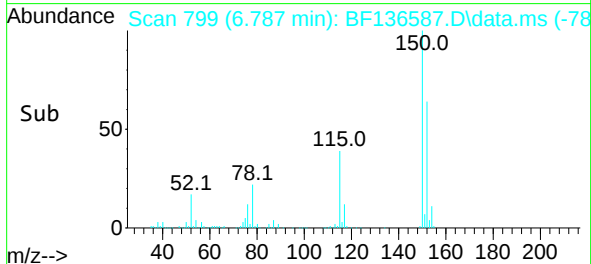
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20231206



Tgt Ion:152 Resp: 9936
Ion Ratio Lower Upper
152 100
150 156.5 126.4 189.6
115 61.5 48.2 72.4

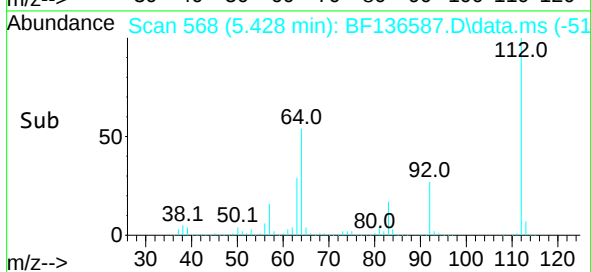
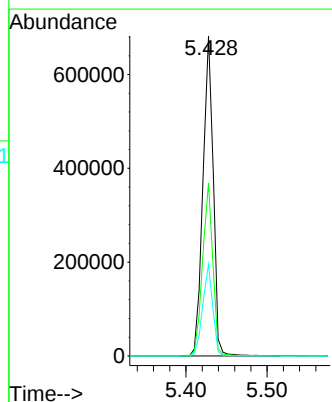
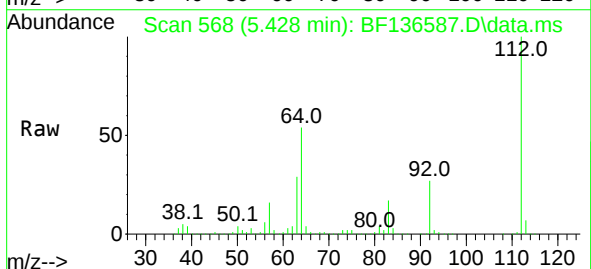
Manual Integrations
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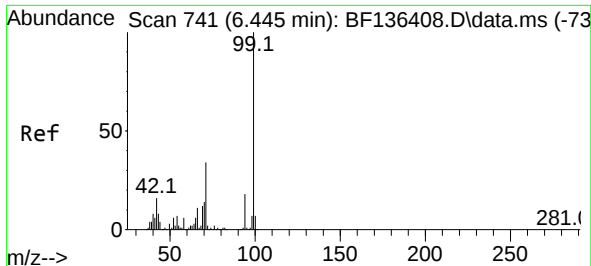
Reviewed By :Yogesh Patel 12/16/2023
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#5
2-Fluorophenol
Concen: 89.668 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

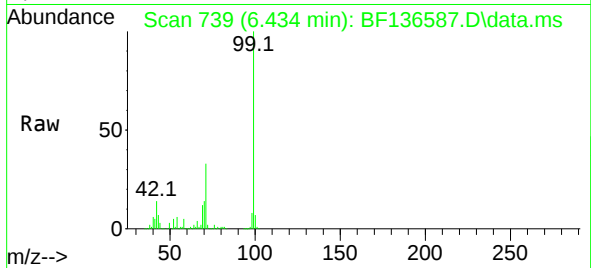
Tgt Ion:112 Resp: 603297
Ion Ratio Lower Upper
112 100
64 54.0 46.5 69.7
63 28.6 23.9 35.9





#7
Phenol-d6
Concen: 87.332 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

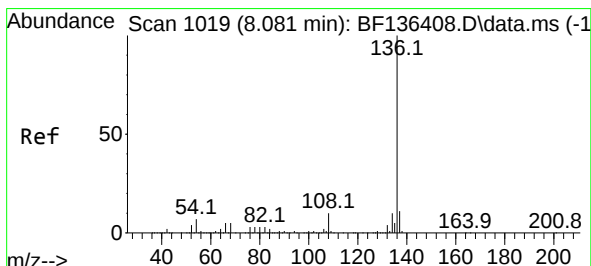
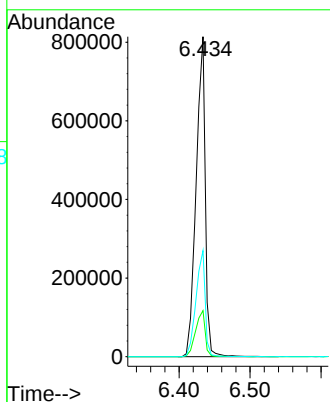
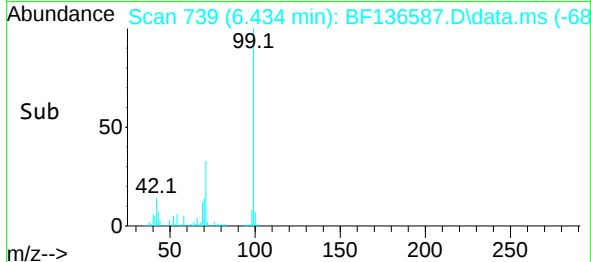
Instrument :
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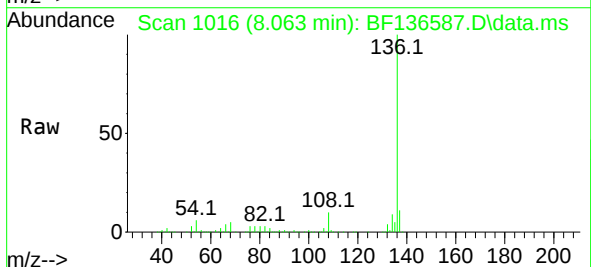
Tgt Ion: 99 Resp: 733090
Ion Ratio Lower Upper
99 100
42 14.4 12.8 19.2
71 33.1 27.0 40.4

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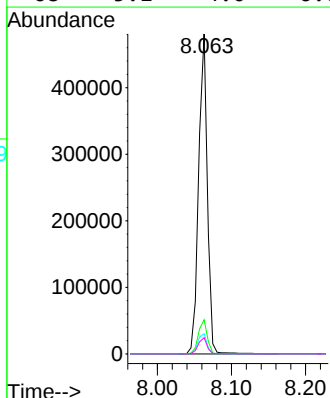
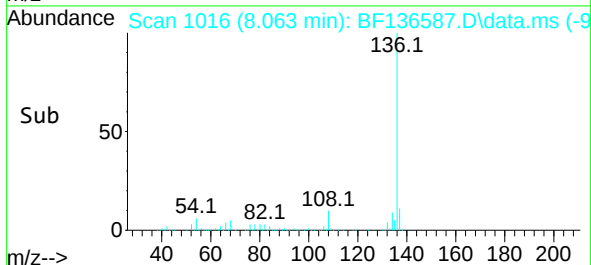
Reviewed By :Yogesh Patel 12/16/2023
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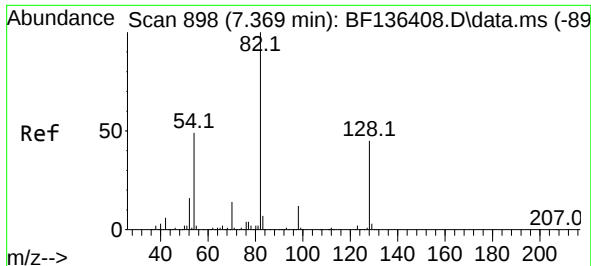


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09



Tgt Ion:136 Resp: 391720
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.4 5.7 8.5
68 5.1 4.0 6.0





#23

Nitrobenzene-d5

Concen: 62.403 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20231206

Tgt Ion: 82 Resp: 452174

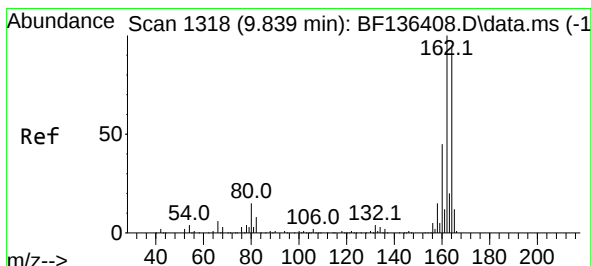
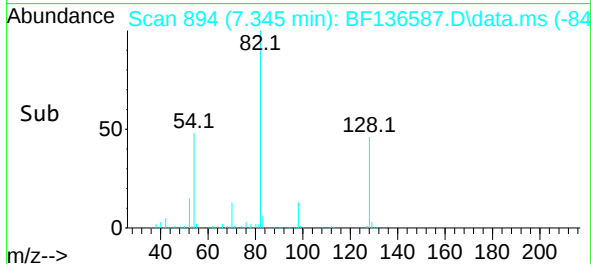
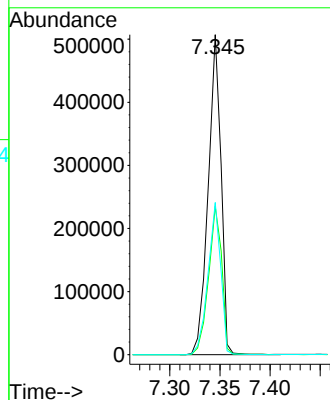
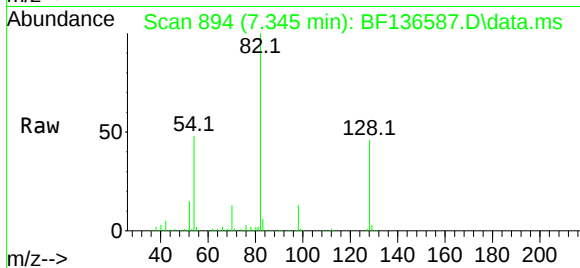
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.3	54.5
54	47.6	39.0	58.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

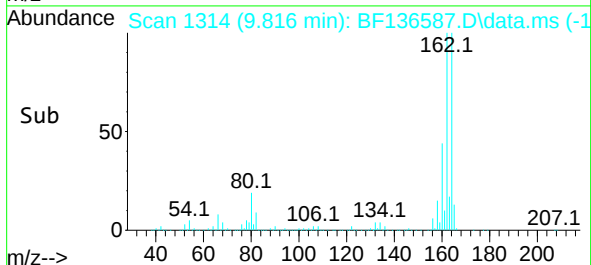
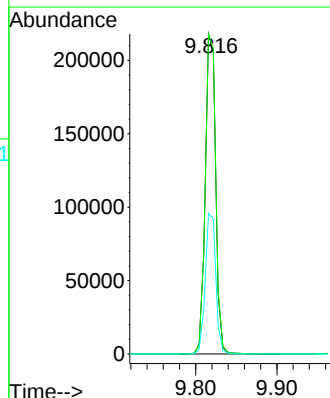
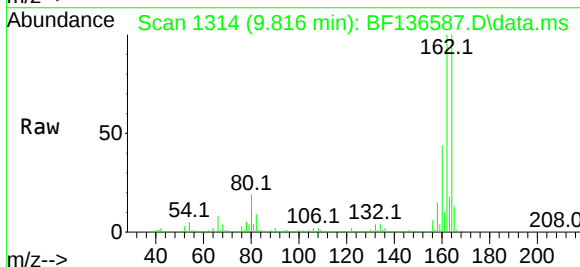
Delta R.T. -0.012 min

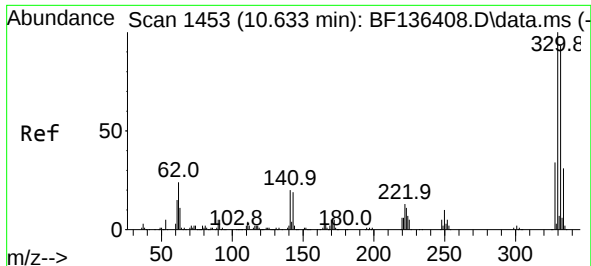
Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

Tgt Ion:164 Resp: 192907

Ion	Ratio	Lower	Upper
164	100		
162	99.9	84.4	126.6
160	44.0	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 74.885 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20231206

Tgt Ion:330 Resp: 178118

Ion Ratio Lower Upper

330 100

332 94.9 76.4 114.6

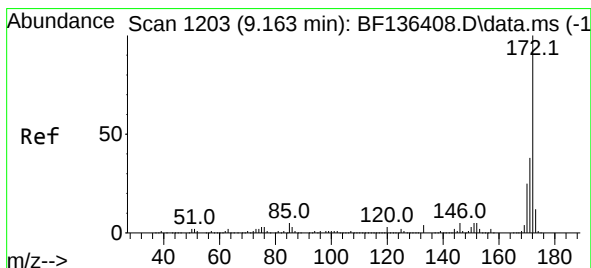
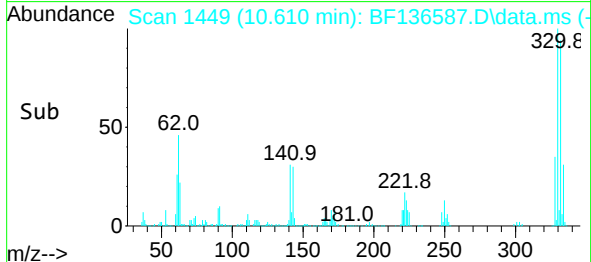
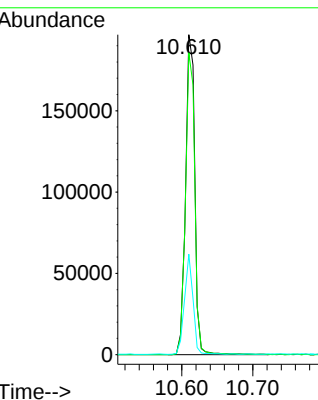
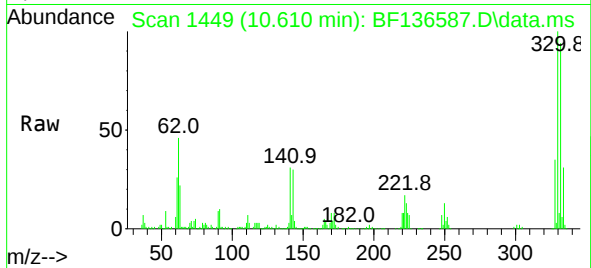
141 29.0 23.4 35.2

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 64.904 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

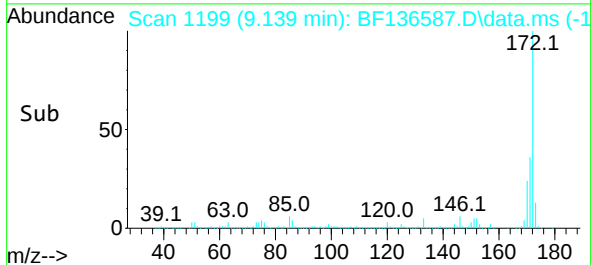
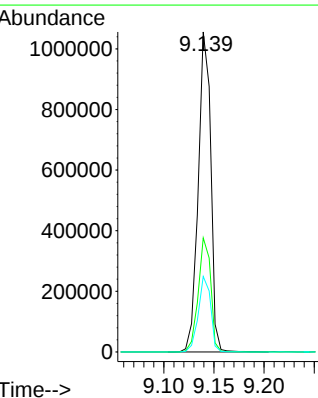
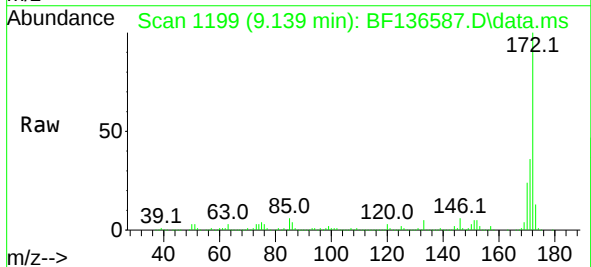
Tgt Ion:172 Resp: 917581

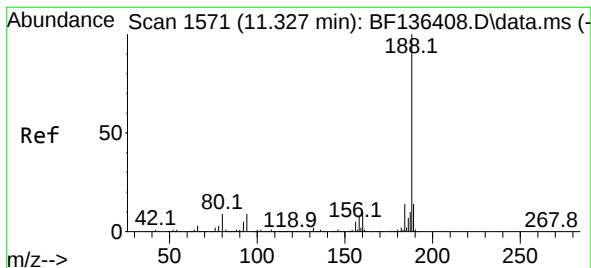
Ion Ratio Lower Upper

172 100

171 35.7 30.5 45.7

170 23.6 19.9 29.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

Instrument :

BNA_F

ClientSampleId :

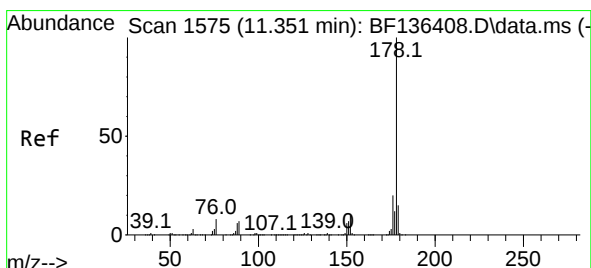
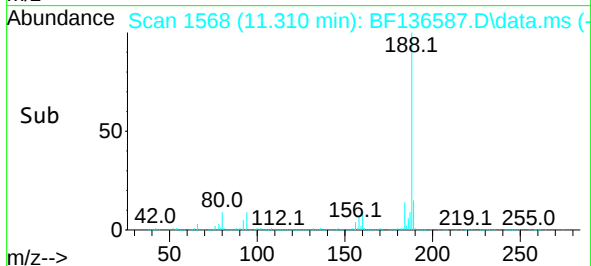
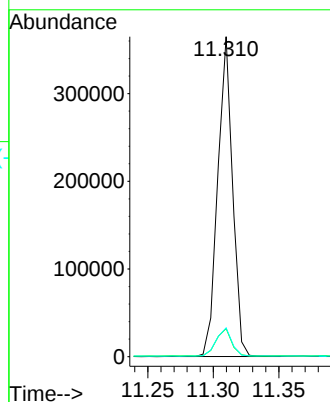
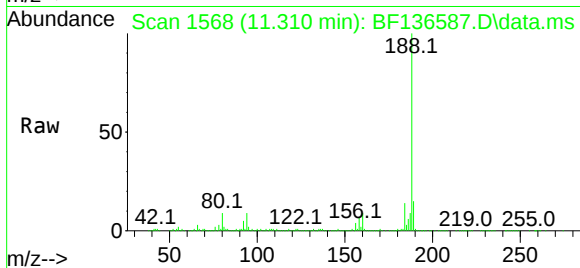
WC-SOIL-20231206

Tgt Ion:188 Resp: 286914
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.2 10.8
 80 9.0 7.2 10.8

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 Supervised By :mohammad ahmed 12/16/2023



#71

Phenanthrene

Concen: 4.366 ng

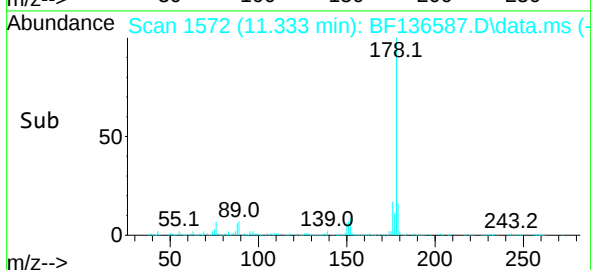
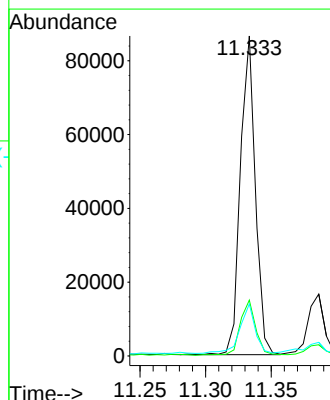
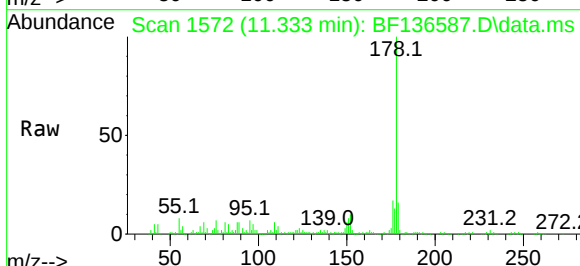
RT: 11.333 min Scan# 1572

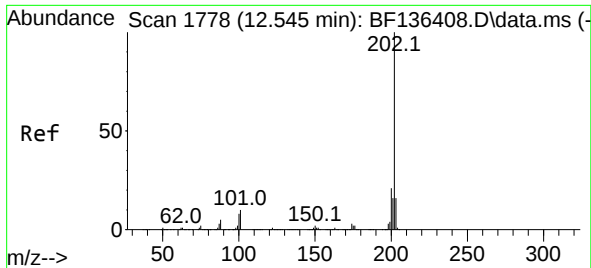
Delta R.T. -0.006 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

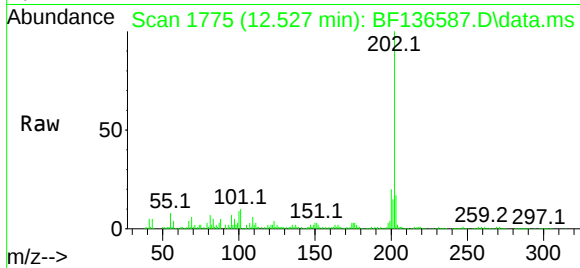
Tgt Ion:178 Resp: 68848
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.9 23.9
 179 16.3 11.8 17.6





#75
Fluoranthene
Concen: 4.908 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

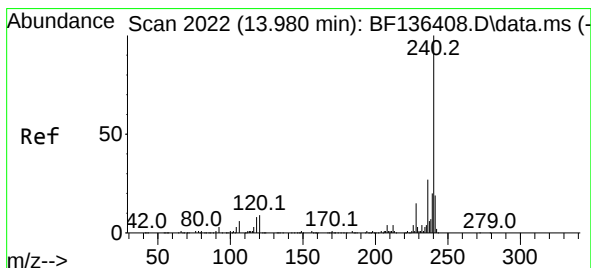
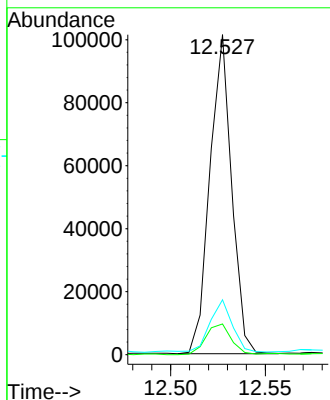
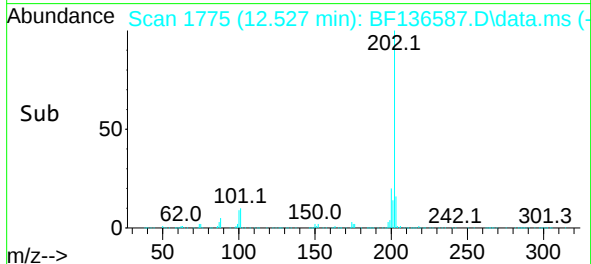
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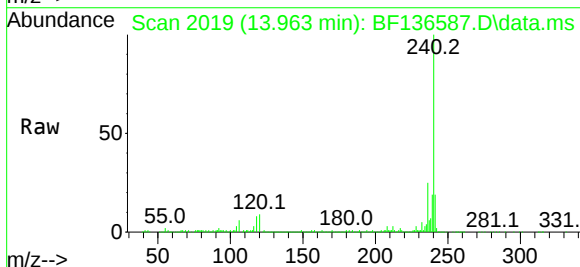
Tgt Ion:202 Resp: 81118
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.9
203 17.1 0.0 36.3

Manual Integrations
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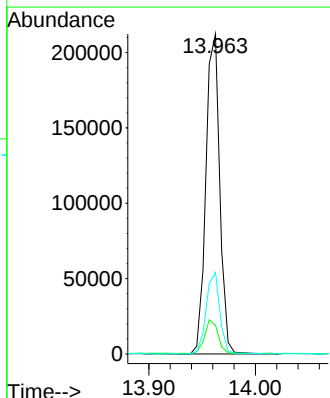
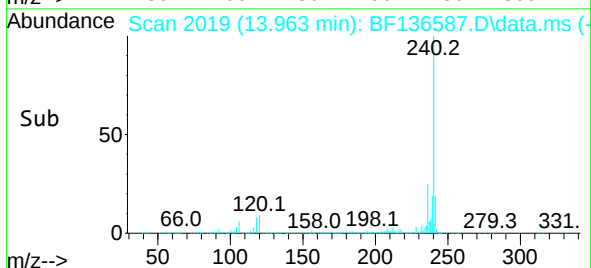
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

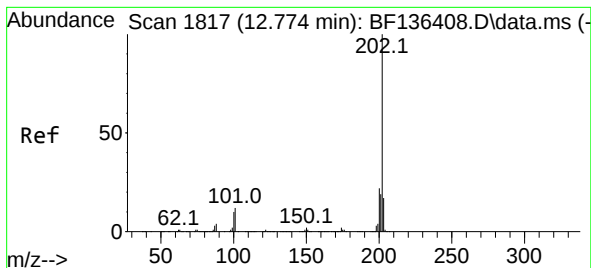


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09



Tgt Ion:240 Resp: 192519
Ion Ratio Lower Upper
240 100
120 9.0 7.3 10.9
236 25.5 21.3 31.9





#78

Pyrene

Concen: 4.086 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20231206

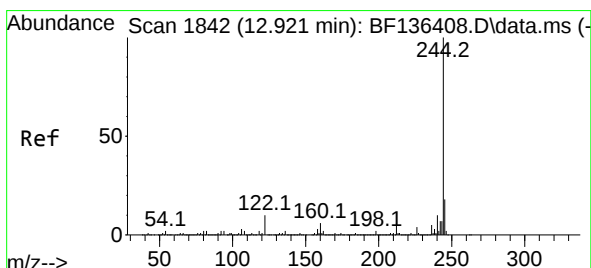
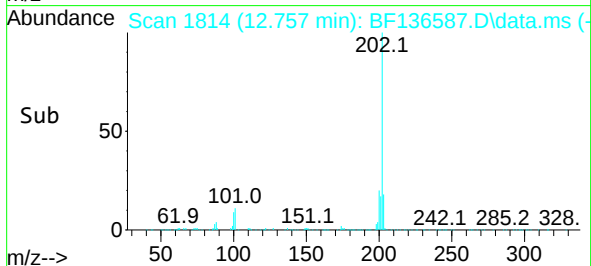
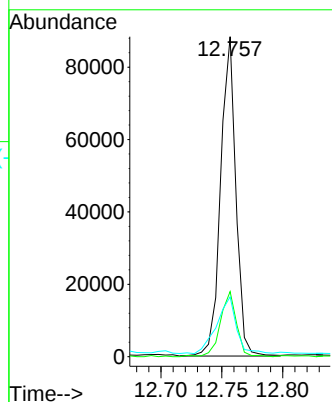
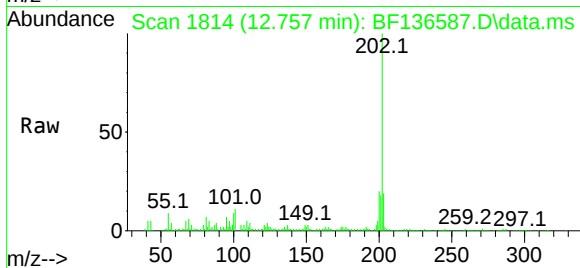
Tgt Ion:202 Resp: 7703
 Ion Ratio Lower Upper
 202 100
 200 20.4 18.0 27.0
 203 18.7 13.5 20.3

Manual Integrations

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#79

Terphenyl-d14

Concen: 47.918 ng

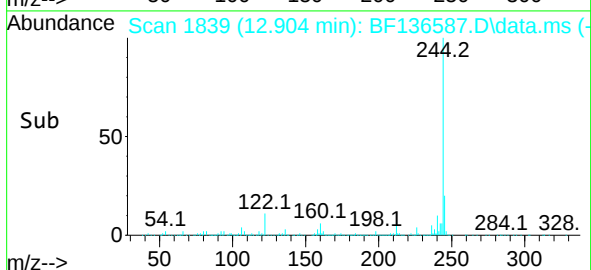
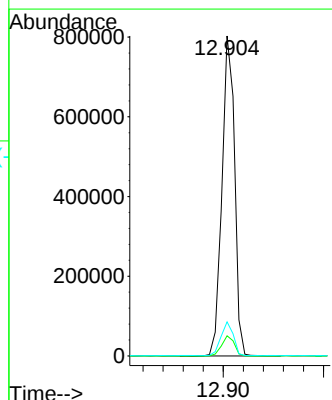
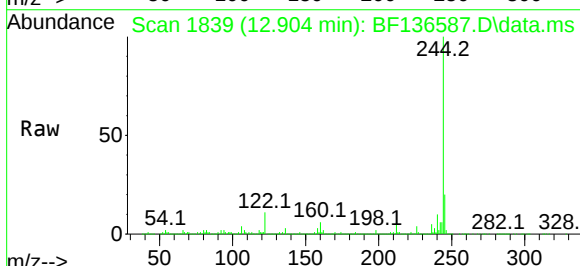
RT: 12.904 min Scan# 1839

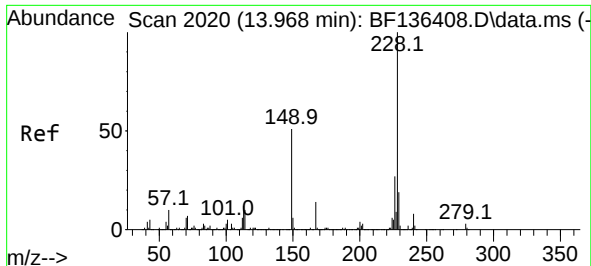
Delta R.T. -0.006 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

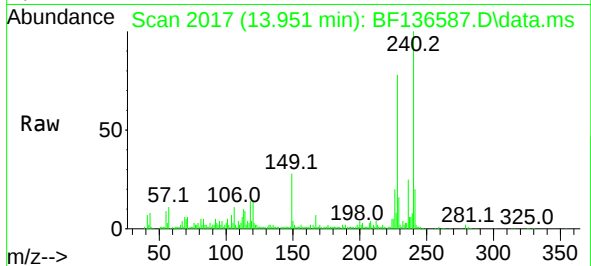
Tgt Ion:244 Resp: 699916
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 10.7 8.3 12.5





#81
Benzo(a)anthracene
Concen: 2.911 ng
RT: 13.951 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

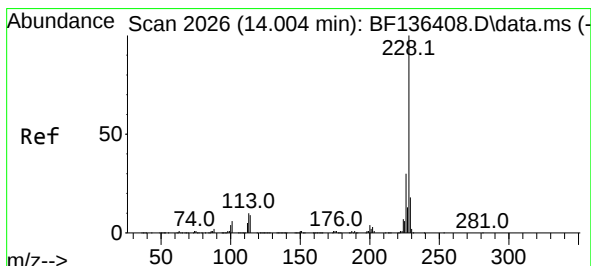
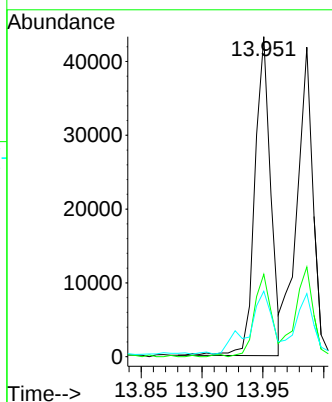
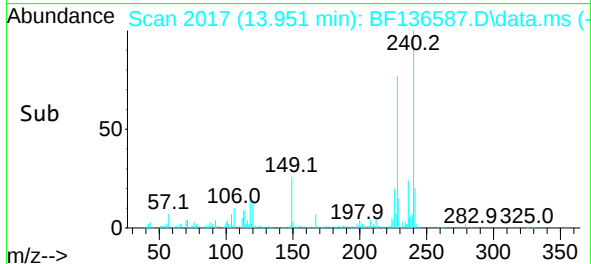
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20231206



Tgt Ion:228 Resp: 3903
Ion Ratio Lower Upper
228 100
226 25.7 21.8 32.8
229 20.5 15.0 22.4

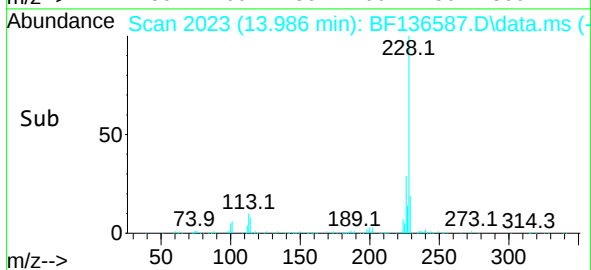
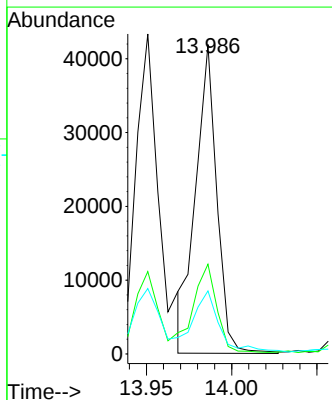
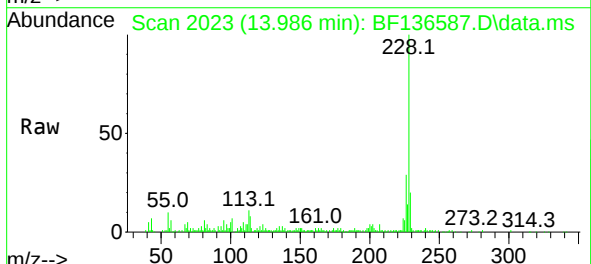
Manual Integrations
APPROVED

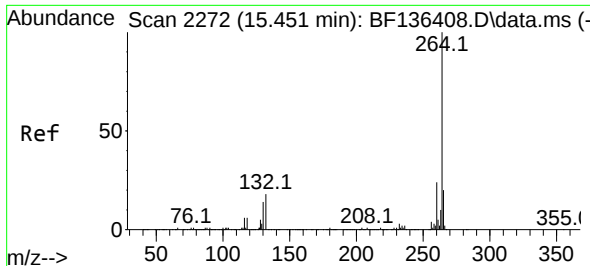
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#83
Chrysene
Concen: 2.731 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Tgt Ion:228 Resp: 36031
Ion Ratio Lower Upper
228 100
226 29.0 23.8 35.6
229 20.4 14.8 22.2





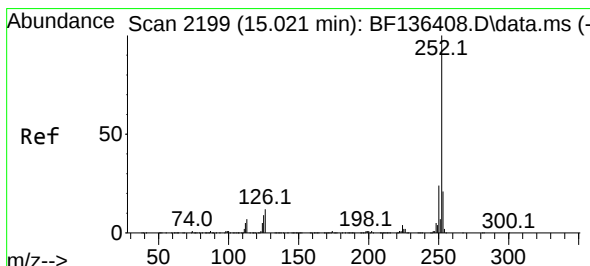
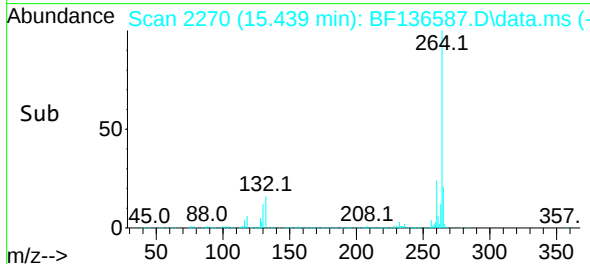
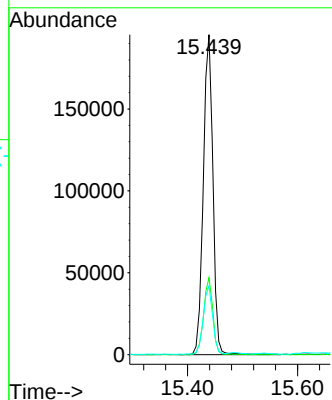
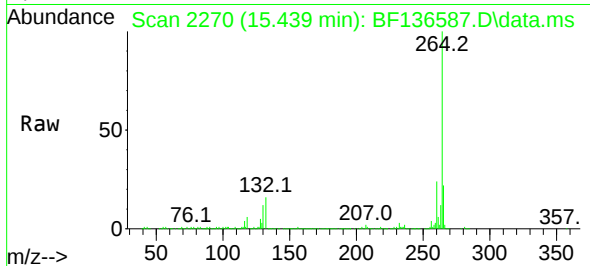
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20231206

Tgt Ion:264 Resp: 23763
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.5 15.9 23.9

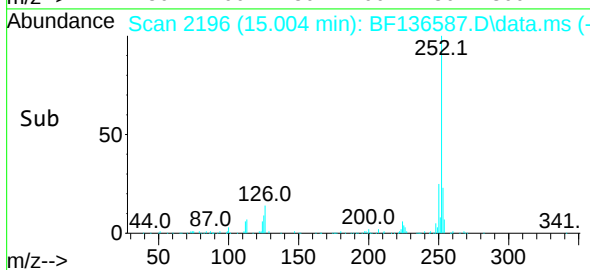
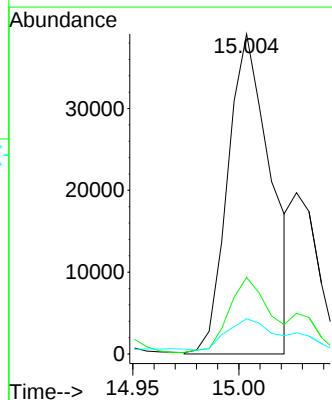
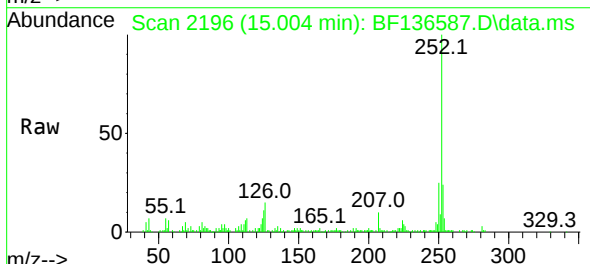
Manual Integrations
APPROVED

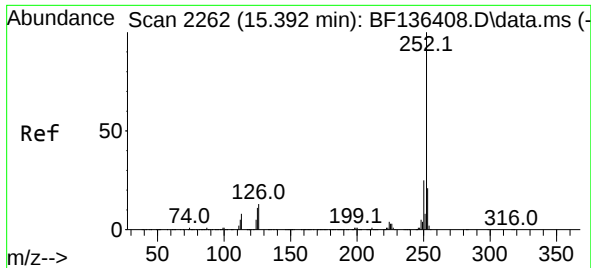
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#88
Benzo(b)fluoranthene
Concen: 3.379 ng m
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Tgt Ion:252 Resp: 54902
Ion Ratio Lower Upper
252 100
253 23.9 16.9 25.3
125 11.0 7.4 11.2





#90

Benzo(a)pyrene

Concen: 2.909 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136587.D

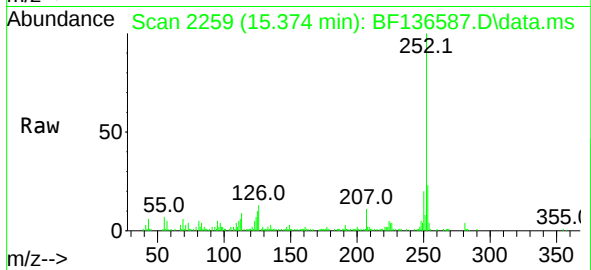
Acq: 15 Dec 2023 12:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20231206



Tgt Ion:252 Resp: 39030

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.4

125 10.2 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023

