

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120823\
 Data File : BF136471.D
 Acq On : 08 Dec 2023 17:07
 Operator : CG\JU
 Sample : 05600-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 08 17:28:23 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	6.793	152	130886	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	515921	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	253021	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	407491	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	238734	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	268582	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	766274	86.461	ng	0.00
7) Phenol-d6	6.440	99	949550	85.874	ng	0.00
23) Nitrobenzene-d5	7.357	82	581652	60.948	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	231897	74.331	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1183911	63.846	ng	-0.01
79) Terphenyl-d14	12.916	244	965250	53.291	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.533	202	81397	3.468	ng	96
78) Pyrene	12.763	202	89613	3.833	ng	96
81) Benzo(a)anthracene	13.963	228	49213m	2.959	ng	
83) Chrysene	13.992	228	51094	3.123	ng	98
88) Benzo(b)fluoranthene	15.015	252	75039m	4.086	ng	
90) Benzo(a)pyrene	15.386	252	53725	3.543	ng	98
92) Benzo(g,h,i)perylene	17.398	276	33652	2.145	ng	98

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

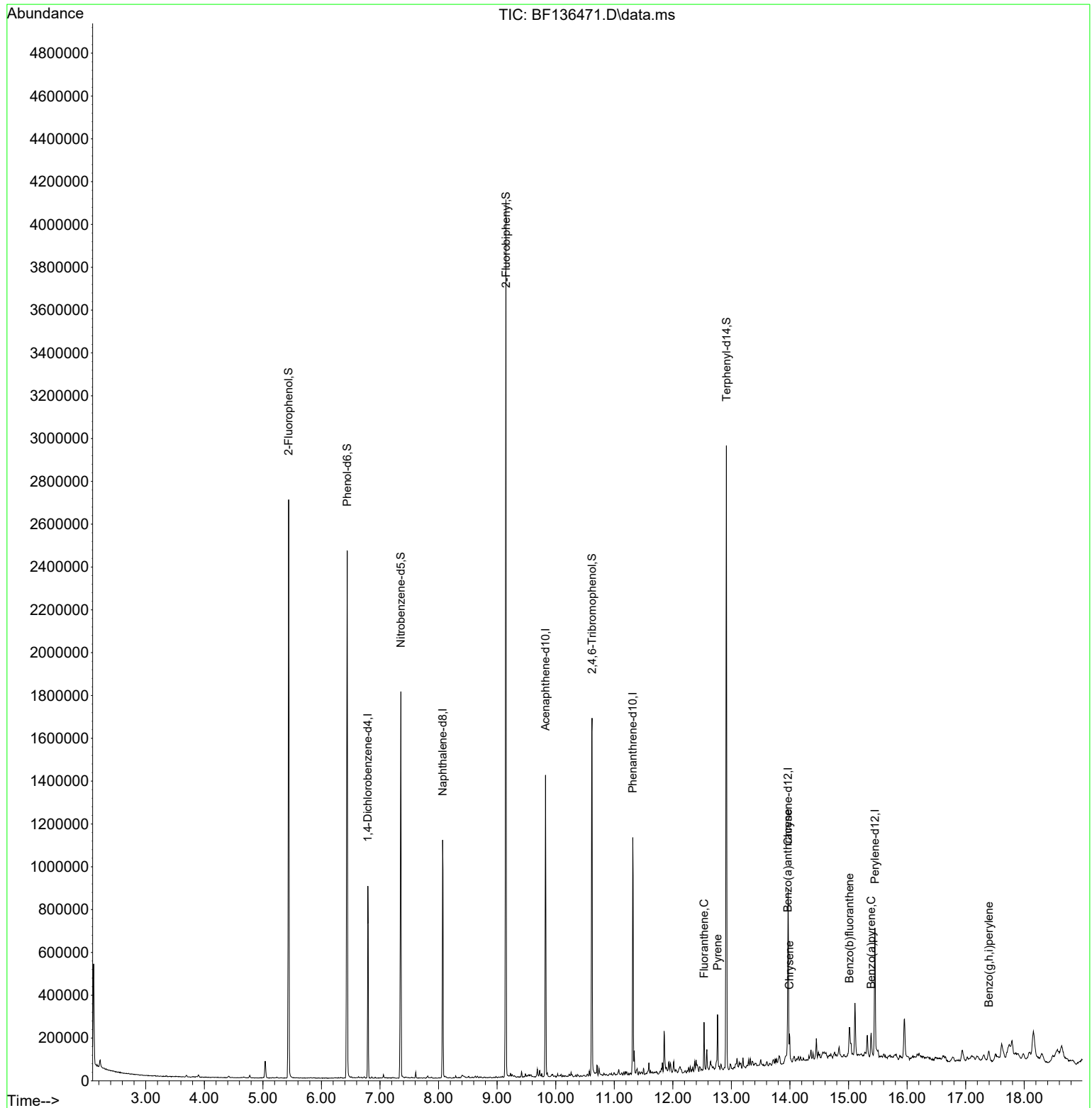
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120823\
Data File : BF136471.D
Acq On : 08 Dec 2023 17:07
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ALS Vial : 9 Sample Multiplier: 1

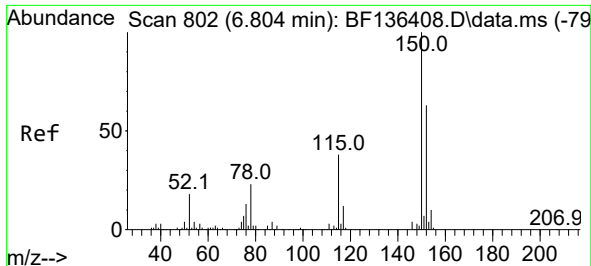
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

Quant Time: Dec 08 17:28:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
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Response via : Initial Calibration

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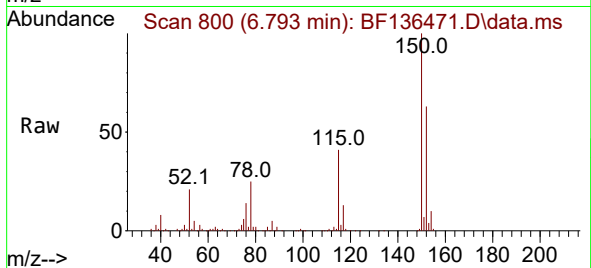
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

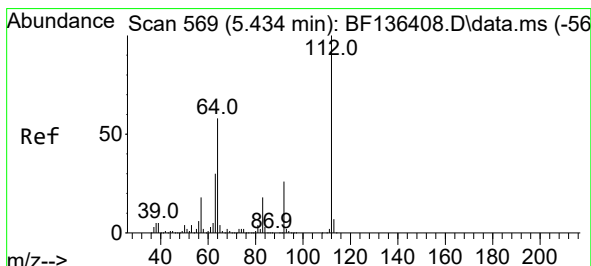
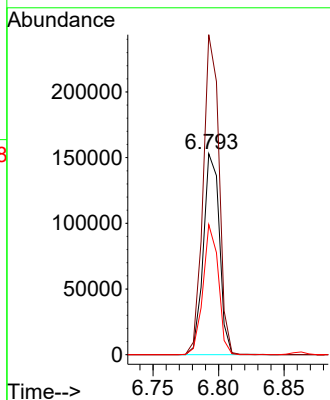
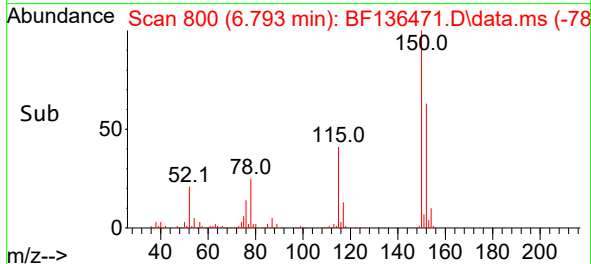
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-LKWD-DENALI-3



Tgt Ion:152 Resp: 130880
Ion Ratio Lower Upper
152 100
150 159.2 126.4 189.6
115 64.7 48.2 72.4

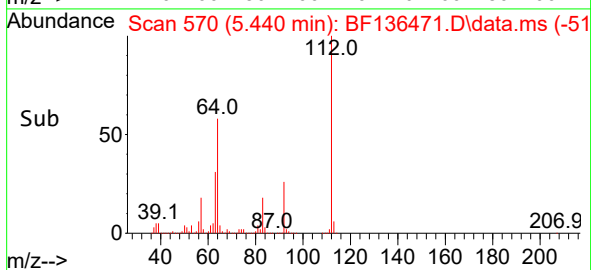
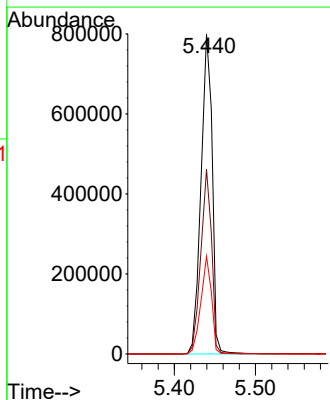
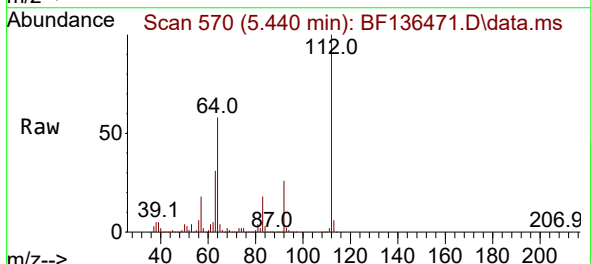
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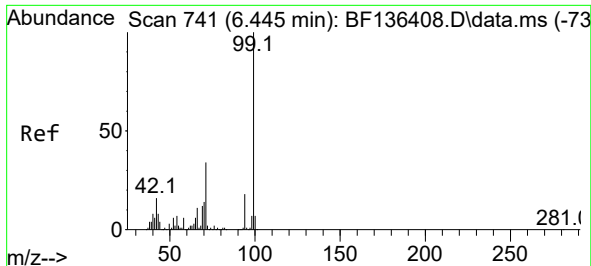
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/14/2023



#5
2-Fluorophenol
Concen: 86.461 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

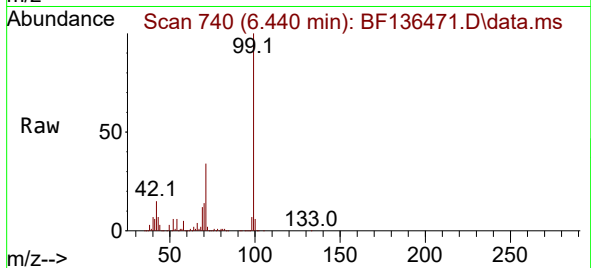
Tgt Ion:112 Resp: 766274
Ion Ratio Lower Upper
112 100
64 57.7 46.5 69.7
63 30.5 23.9 35.9





#7
Phenol-d6
Concen: 85.874 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

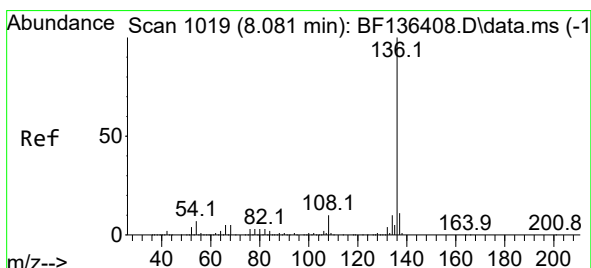
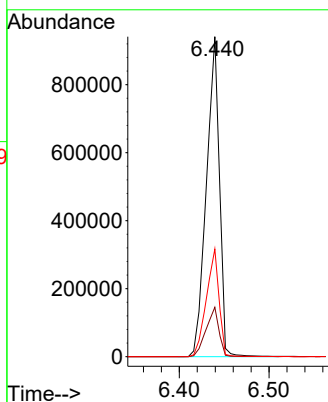
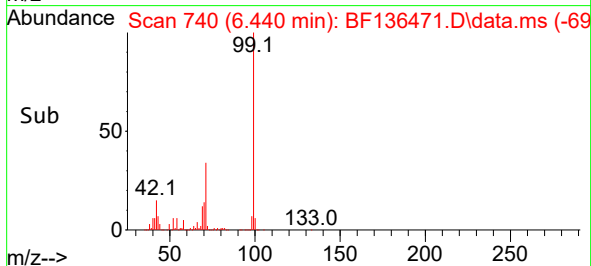
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 949550
Ion Ratio Lower Upper
99 100
42 15.4 12.8 19.2
71 33.6 27.0 40.4

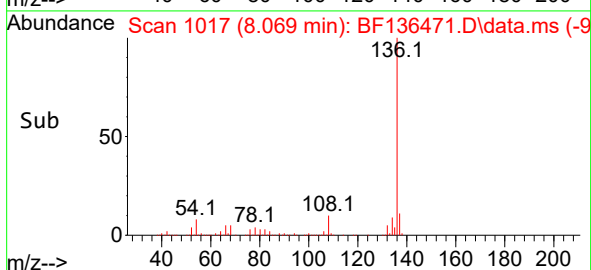
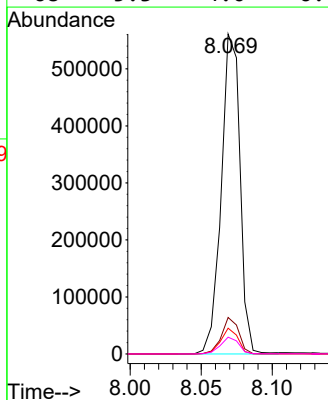
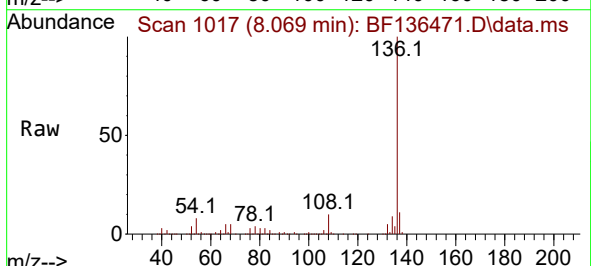
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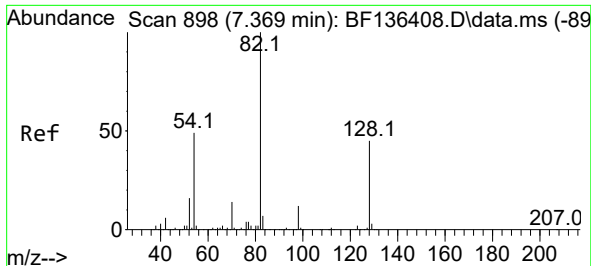
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

Tgt Ion:136 Resp: 515921
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 8.1 5.7 8.5
68 5.3 4.0 6.0





#23

Nitrobenzene-d5

Concen: 60.948 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136471.D

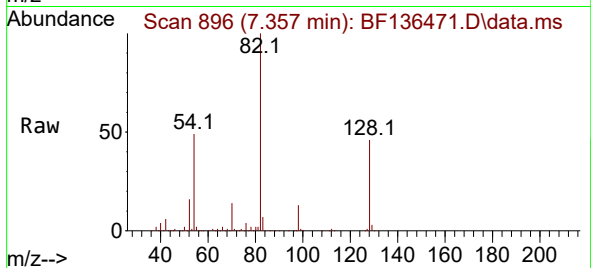
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Instrument :

BNA_F

ClientSampleId :

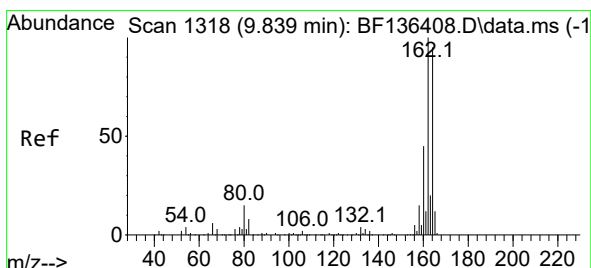
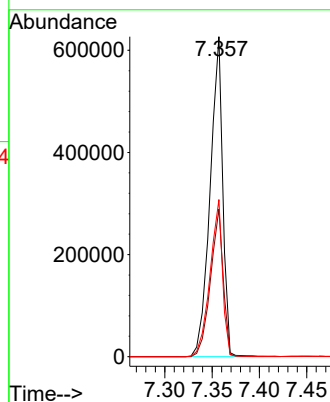
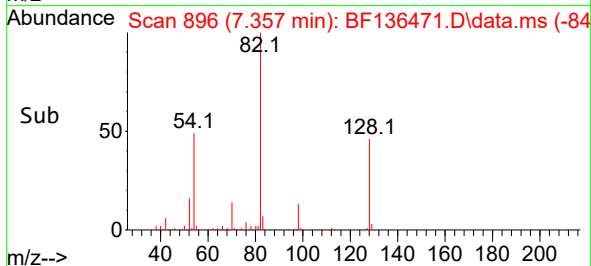
TOPSOIL-LKWD-DENALI-3



Tgt Ion:	82	Resp:	581652
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.3	54.5
54	49.1	39.0	58.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

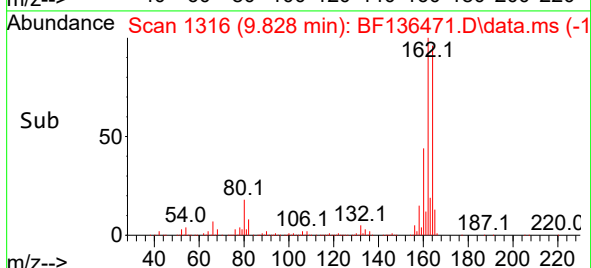
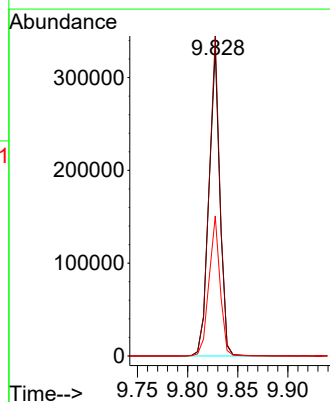
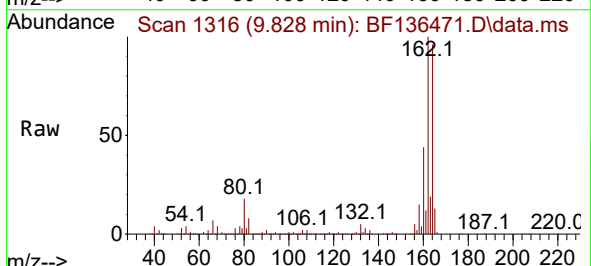
RT: 9.828 min Scan# 1316

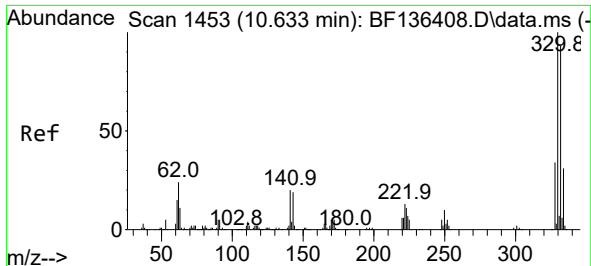
Delta R.T. -0.012 min

Lab File: BF136471.D

Acq: 08 Dec 2023 17:07

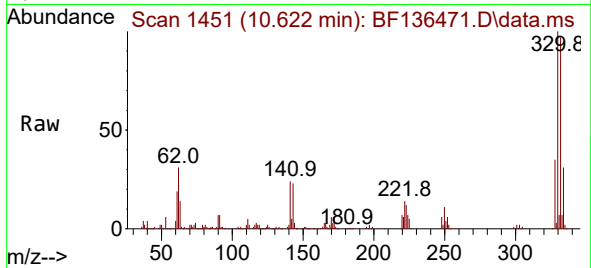
Tgt Ion:	164	Resp:	253021
Ion Ratio	Lower	Upper	
164	100		
162	104.4	84.4	126.6
160	45.7	37.6	56.4





#42
2,4,6-Tribromophenol
Concen: 74.331 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

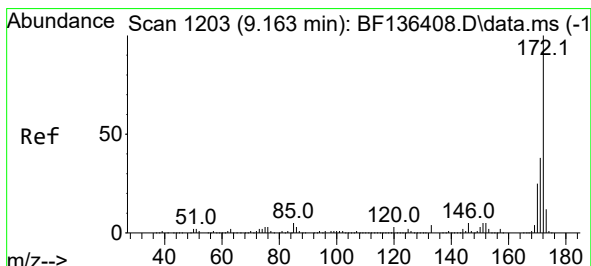
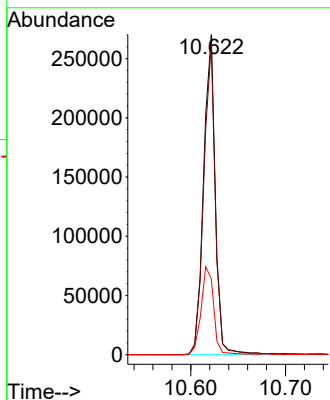
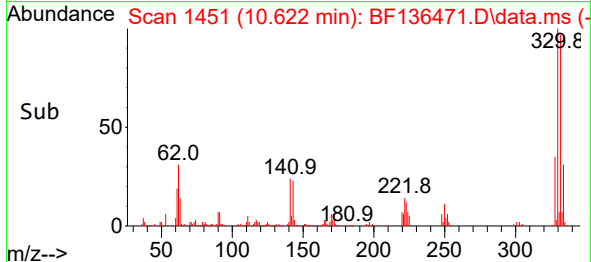
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-LKWD-DENALI-3



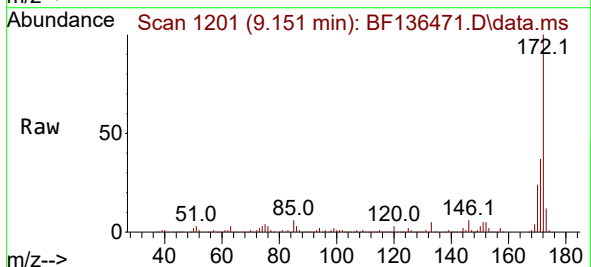
Tgt Ion:330 Resp: 23189
Ion Ratio Lower Upper
330 100
332 96.3 76.4 114.6
141 29.5 23.4 35.2

Manual Integrations
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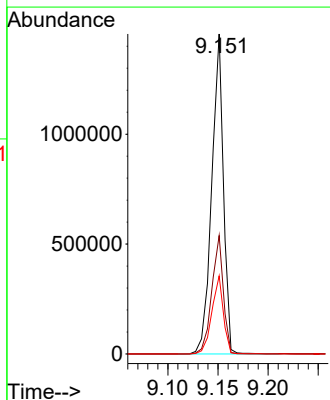
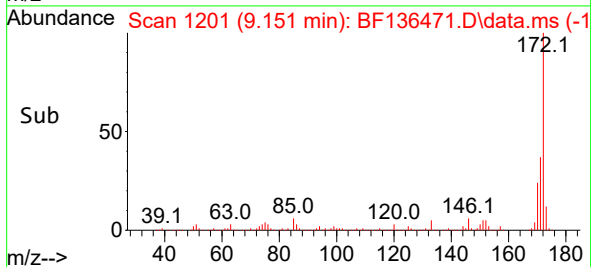
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/14/2023

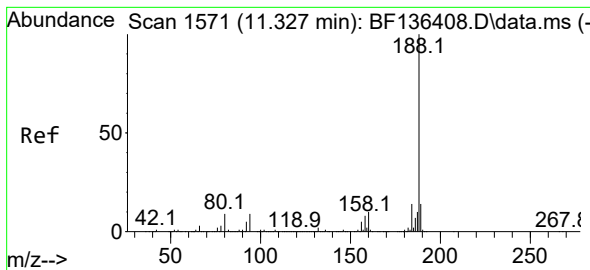


#45
2-Fluorobiphenyl
Concen: 63.846 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07



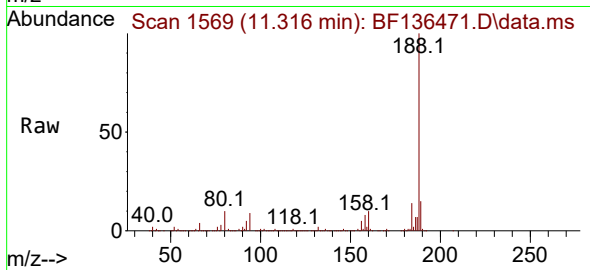
Tgt Ion:172 Resp: 1183911
Ion Ratio Lower Upper
172 100
171 37.0 30.5 45.7
170 24.4 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

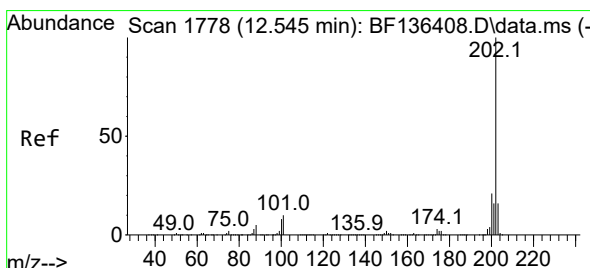
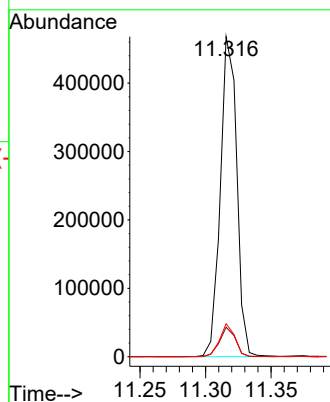
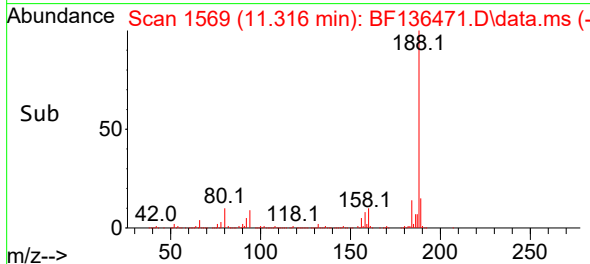
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-LKWD-DENALI-3



Tgt Ion:188 Resp: 40749
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 10.3 7.2 10.8

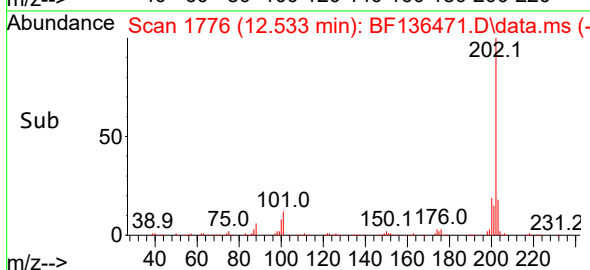
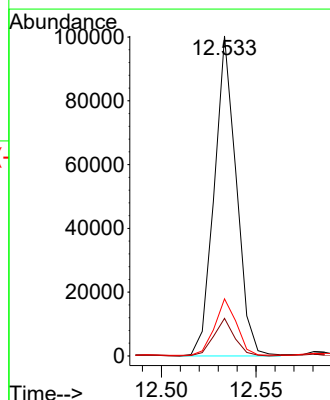
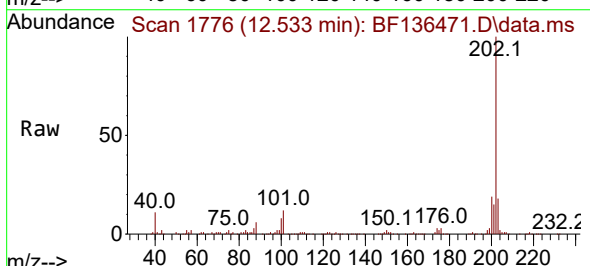
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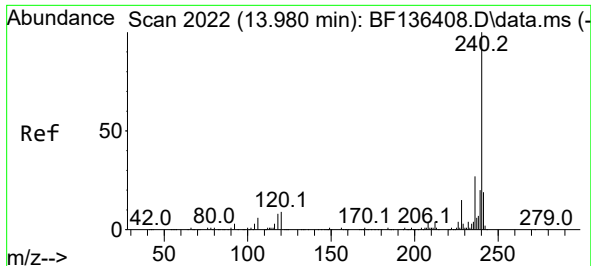
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/14/2023



#75
Fluoranthene
Concen: 3.468 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

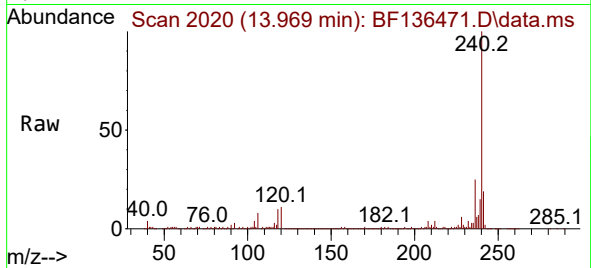
Tgt Ion:202 Resp: 81397
Ion Ratio Lower Upper
202 100
101 11.8 0.0 29.9
203 17.8 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

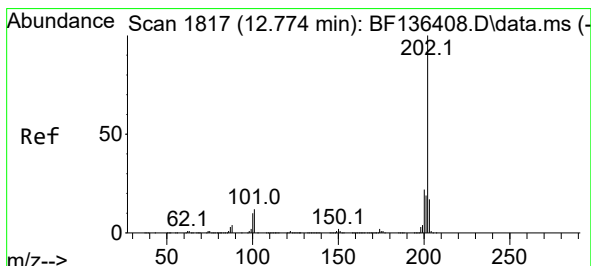
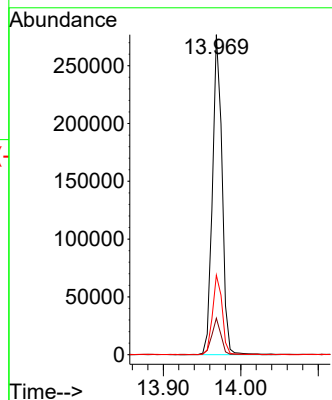
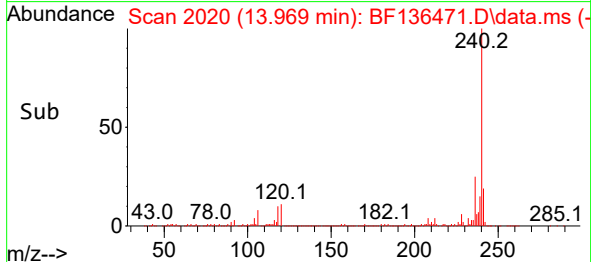
Instrument :
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TOPSOIL-LKWD-DENALI-3



Tgt Ion:240 Resp: 238734
Ion Ratio Lower Upper
240 100
120 11.4 7.3 10.9
236 24.9 21.3 31.9

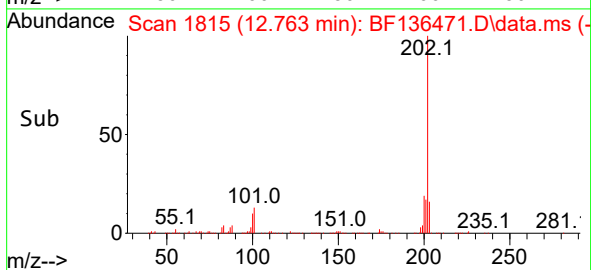
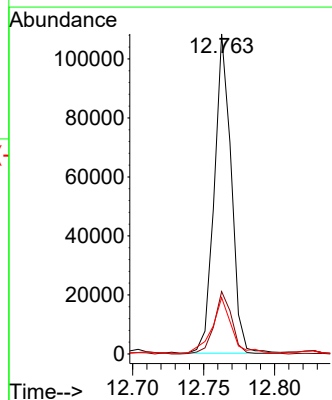
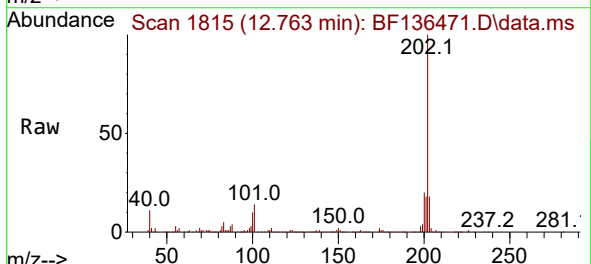
Manual Integrations
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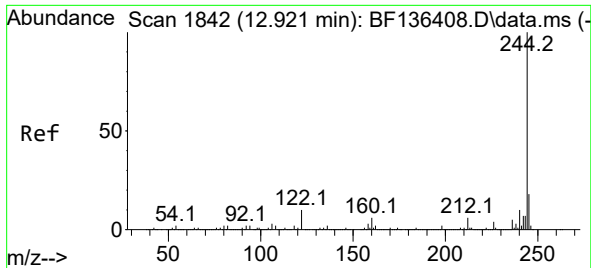
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/14/2023



#78
Pyrene
Concen: 3.833 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

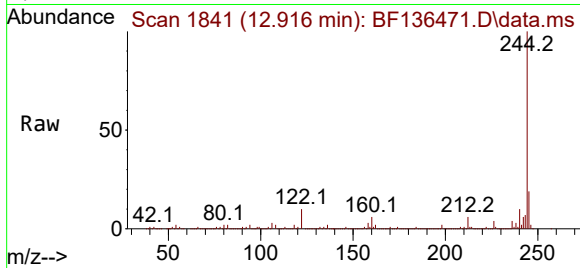
Tgt Ion:202 Resp: 89613
Ion Ratio Lower Upper
202 100
200 19.5 18.0 27.0
203 17.6 13.5 20.3





#79
 Terphenyl-d14
 Concen: 53.291 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF136471.D
 Acq: 08 Dec 2023 17:07

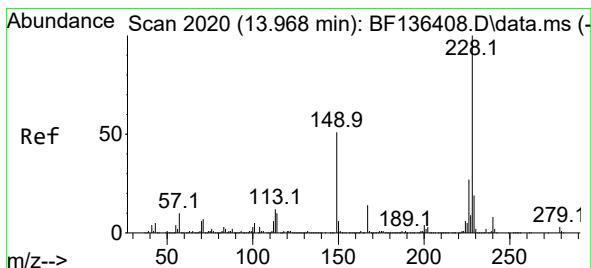
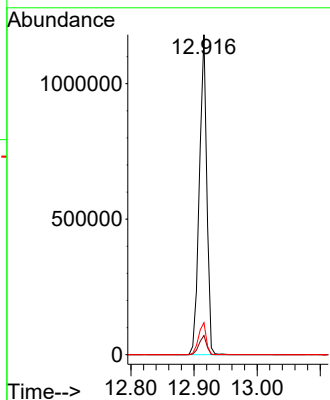
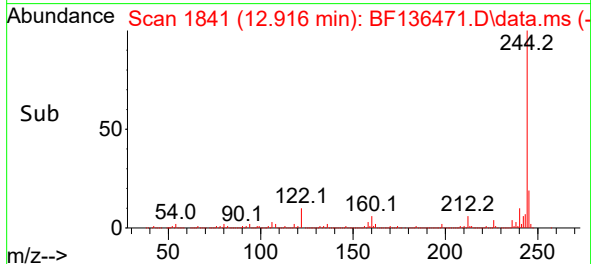
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-3



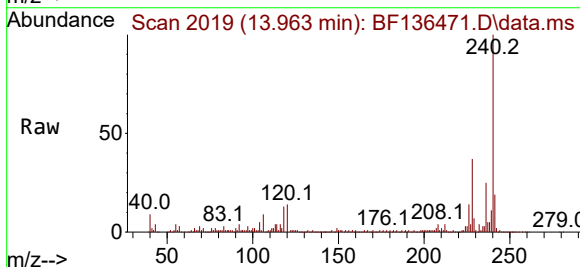
Tgt Ion:244 Resp: 965250
 Ion Ratio Lower Upper
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 212 6.0 5.0 7.4
 122 10.0 8.3 12.5

Manual Integrations
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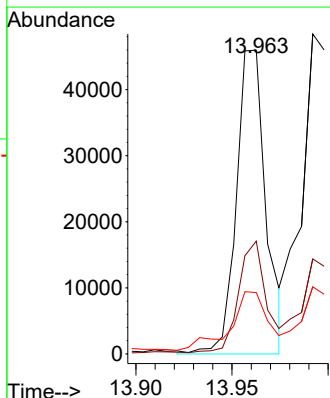
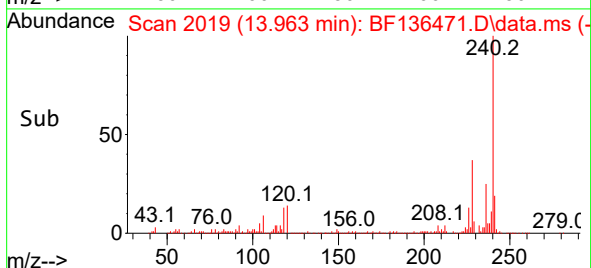
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 Supervised By :mohammad ahmed 12/14/2023

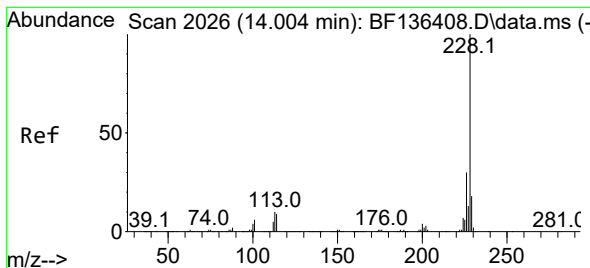


#81
 Benzo(a)anthracene
 Concen: 2.959 ng m
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136471.D
 Acq: 08 Dec 2023 17:07



Tgt Ion:228 Resp: 49213
 Ion Ratio Lower Upper
 228 100
 226 37.1 21.8 32.8#
 229 20.2 15.0 22.4





#83

Chrysene

Concen: 3.123 ng

RT: 13.992 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF136471.D

Acq: 08 Dec 2023 17:07

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-LKWD-DENALI-3

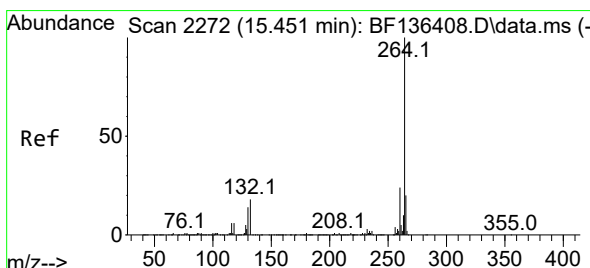
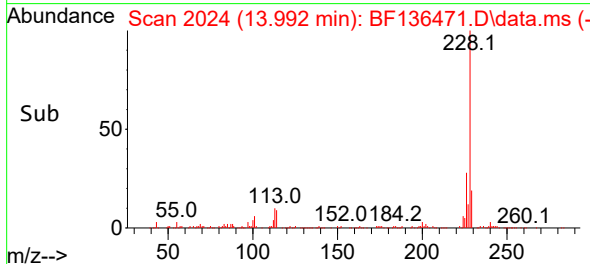
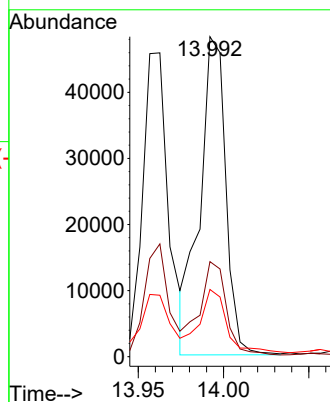
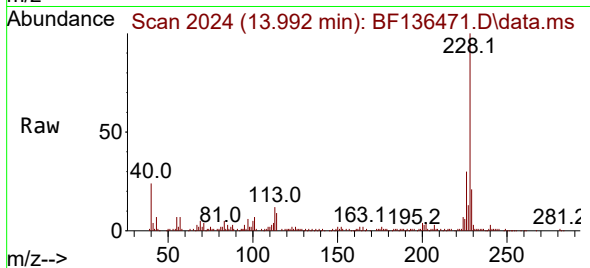
Tgt Ion:228	Resp: 51094
Ion Ratio	Lower Upper
228 100	
226 29.7	23.8 35.6
229 21.0	14.8 22.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/08/2023

Supervised By :mohammad ahmed 12/14/2023



#86

Perylene-d12

Concen: 20.000 ng

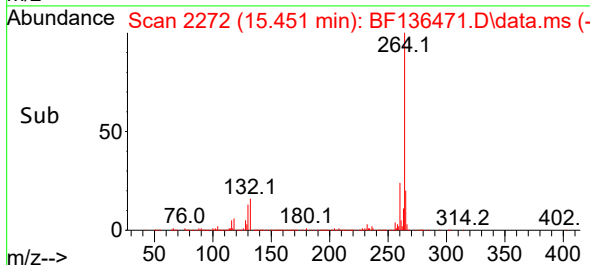
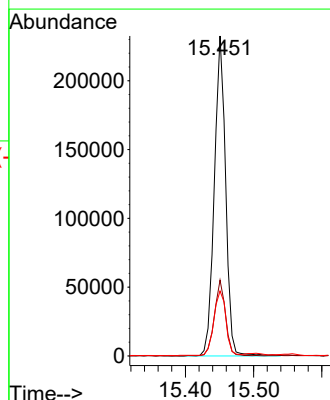
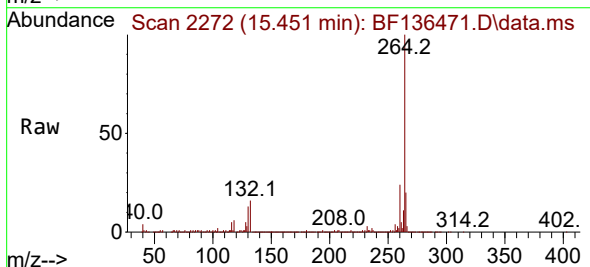
RT: 15.451 min Scan# 2272

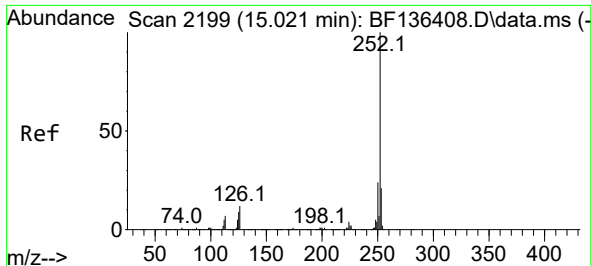
Delta R.T. 0.000 min

Lab File: BF136471.D

Acq: 08 Dec 2023 17:07

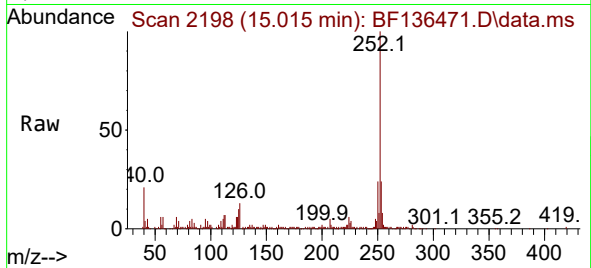
Tgt Ion:264	Resp: 268582
Ion Ratio	Lower Upper
264 100	
260 23.7	19.2 28.8
265 20.3	15.9 23.9





#88
Benzo(b)fluoranthene
Concen: 4.086 ng m
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

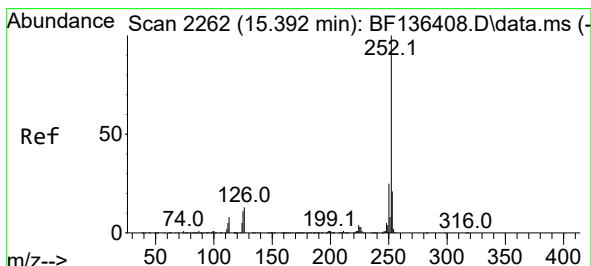
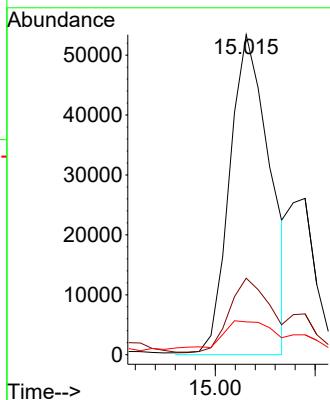
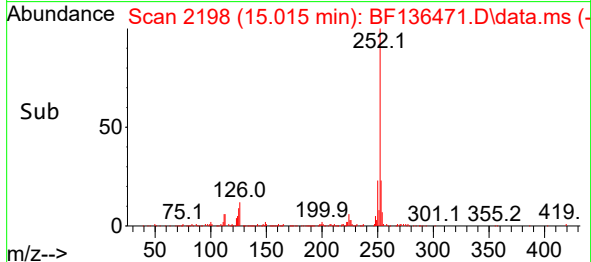
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-LKWD-DENALI-3



Tgt Ion:252 Resp: 75039
Ion Ratio Lower Upper
252 100
253 23.9 16.9 25.3
125 10.3 7.4 11.2

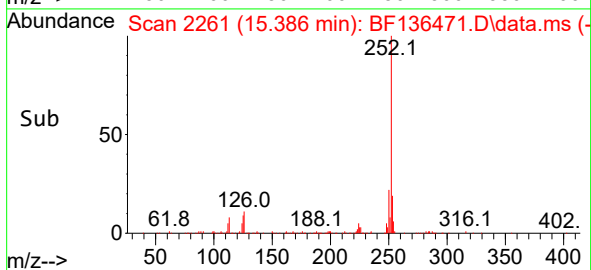
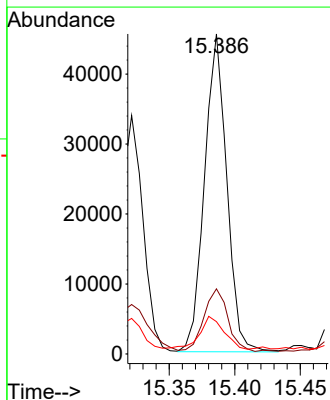
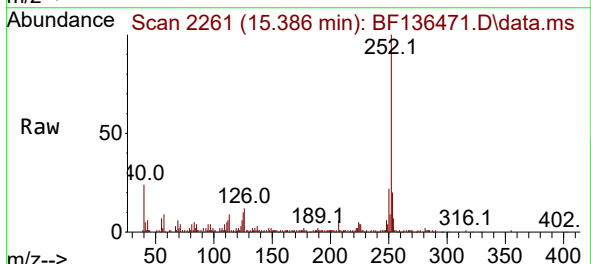
Manual Integrations
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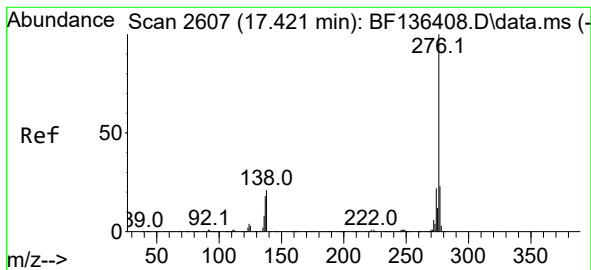
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/14/2023



#90
Benzo(a)pyrene
Concen: 3.543 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

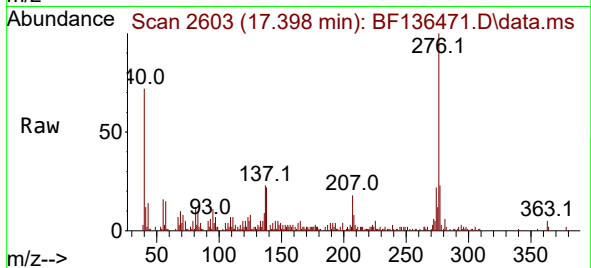
Tgt Ion:252 Resp: 53725
Ion Ratio Lower Upper
252 100
253 20.4 17.0 25.4
125 10.1 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 2.145 ng
 RT: 17.398 min Scan# 20
 Delta R.T. -0.023 min
 Lab File: BF136471.D
 Acq: 08 Dec 2023 17:07

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-3



Tgt Ion: 276 Resp: 3365

Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.7	28.1
138	21.7	16.6	25.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/14/2023

