

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141001.D
 Acq On : 27 Dec 2024 17:21
 Operator : RC/JU
 Sample : P5362-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 17:48:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	238861	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	951783	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	518878	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	859465	20.000	ng	0.00
76) Chrysene-d12	13.974	240	501333	20.000	ng	-0.01
86) Perylene-d12	15.433	264	533337	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1818075	114.733	ng	0.00
7) Phenol-d6	6.439	99	2322021	113.751	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1428709	96.036	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	642160	127.363	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	2457979	75.473	ng	0.00
79) Terphenyl-d14	12.927	244	2391787	79.244	ng	0.00
Target Compounds						Qvalue
78) Pyrene	12.780	202	112203	2.559	ng	98
88) Benzo(b)fluoranthene	15.010	252	100564m	2.704	ng	
90) Benzo(a)pyrene	15.368	252	115841	4.012	ng	100
92) Benzo(g,h,i)perylene	17.298	276	119214	4.220	ng	99

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

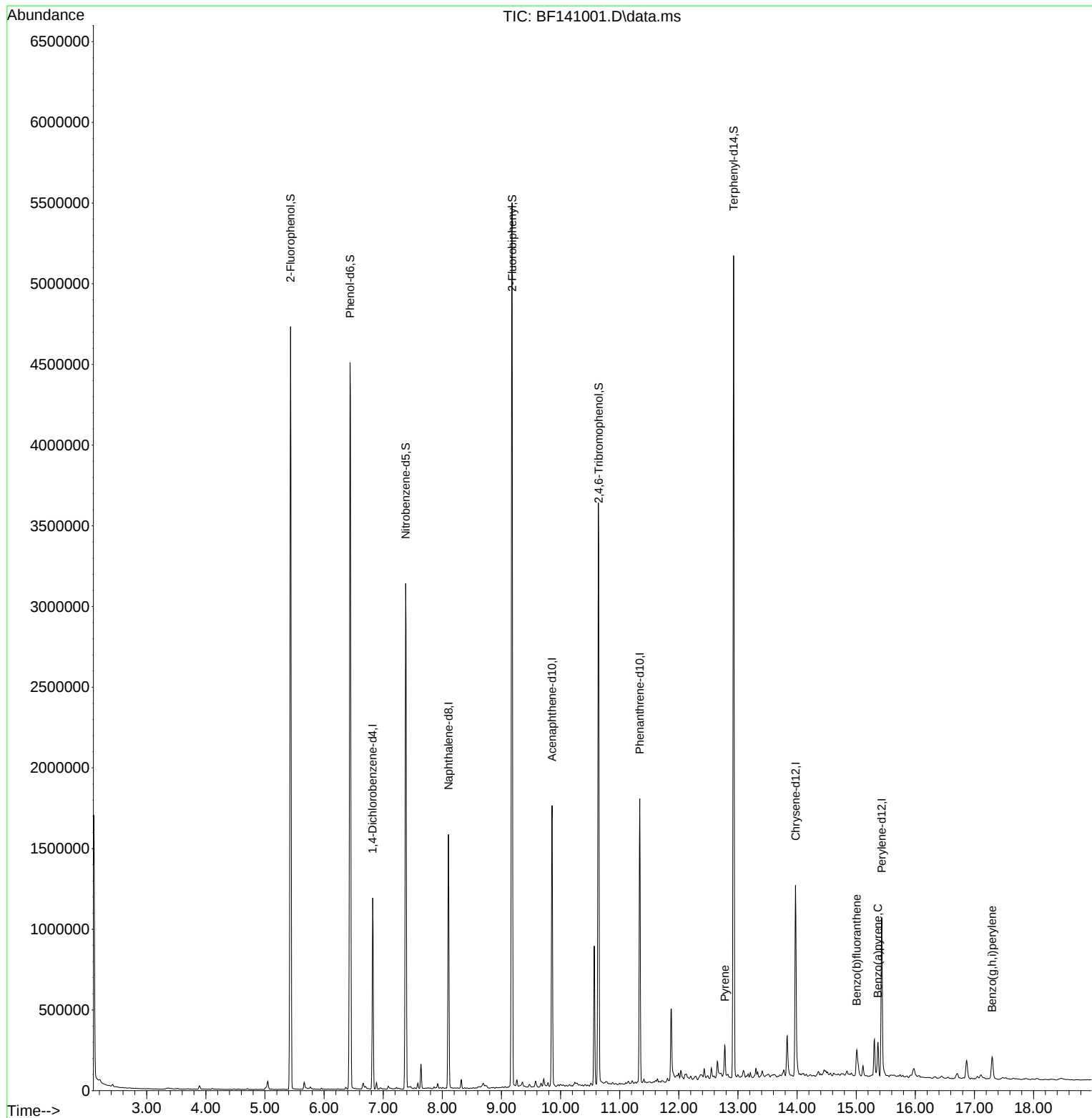
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141001.D
Acq On : 27 Dec 2024 17:21
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ALS Vial : 9 Sample Multiplier: 1

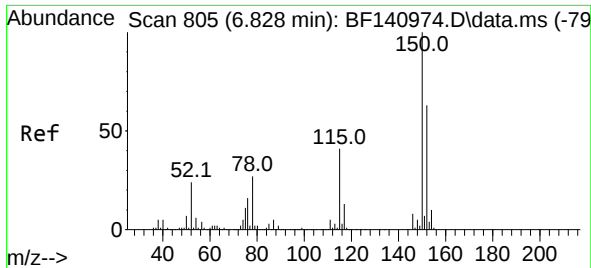
Instrument :
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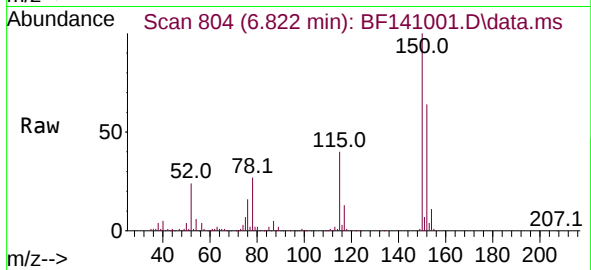
Quant Time: Dec 27 17:48:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

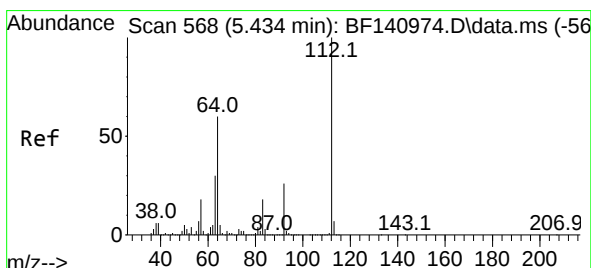
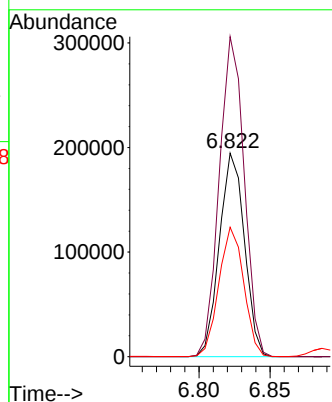
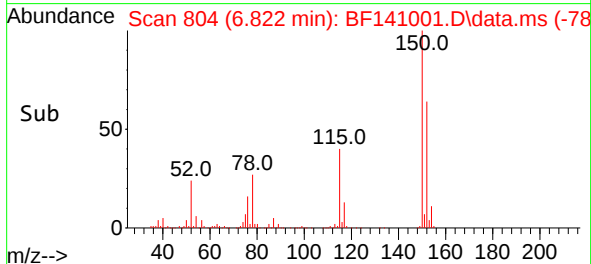
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219



Tgt Ion:152 Resp: 23886
Ion Ratio Lower Upper
152 100
150 157.2 127.0 190.6
115 63.6 51.7 77.5

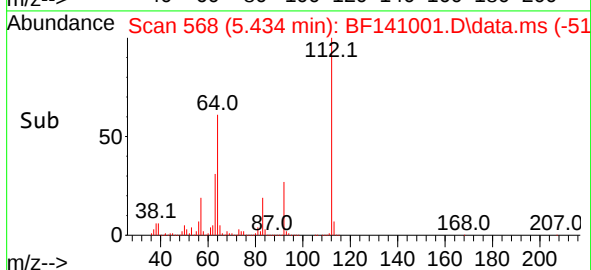
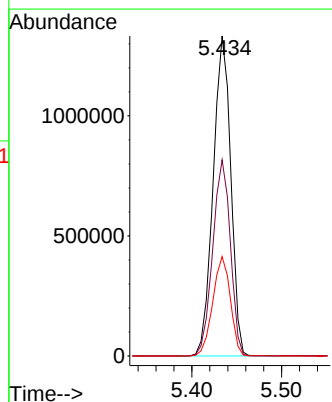
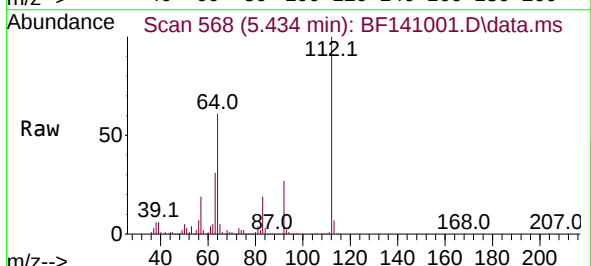
Manual Integrations
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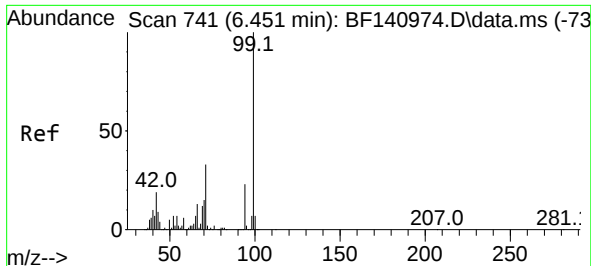
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#5
2-Fluorophenol
Concen: 114.733 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

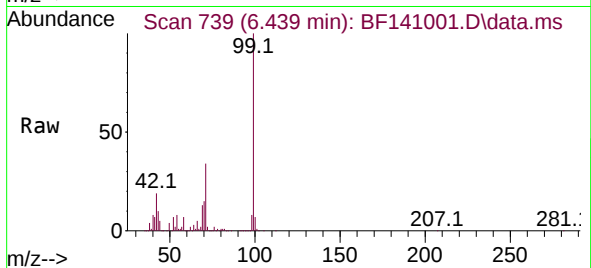
Tgt Ion:112 Resp: 1818075
Ion Ratio Lower Upper
112 100
64 61.3 47.7 71.5
63 31.1 24.2 36.2





#7
Phenol-d6
Concen: 113.751 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

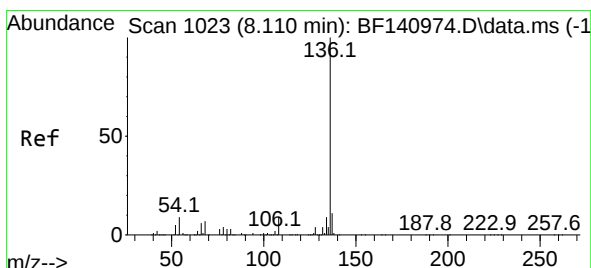
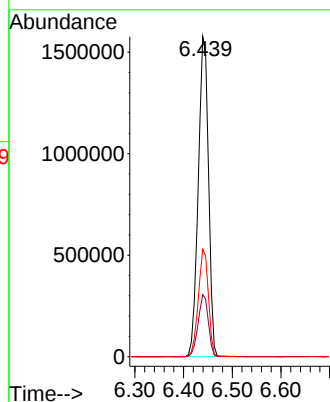
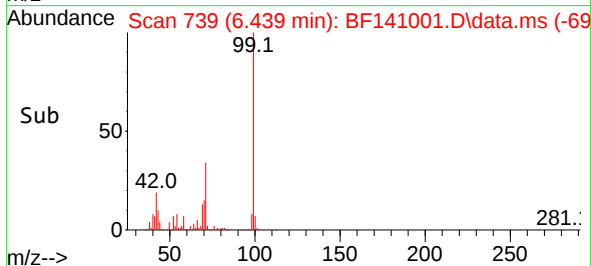
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219



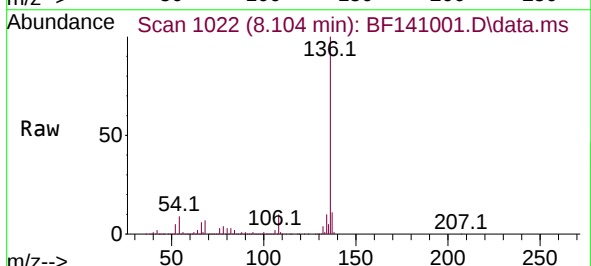
Tgt Ion: 99 Resp: 232202
Ion Ratio Lower Upper
99 100
42 19.4 15.0 22.4
71 33.6 26.2 39.2

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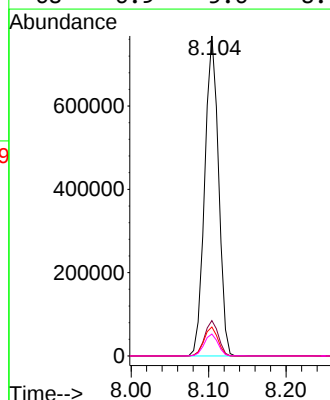
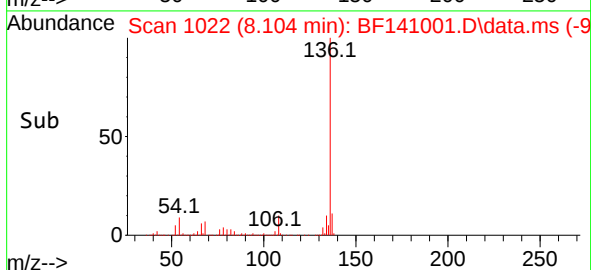
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

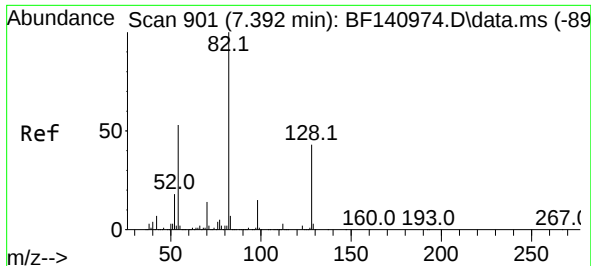


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21



Tgt Ion:136 Resp: 951783
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.0 7.6 11.4
68 6.9 5.6 8.4





#23

Nitrobenzene-d5

Concen: 96.036 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

Tgt Ion: 82 Resp: 1428709

Ion Ratio Lower Upper

82 100

128 43.6 34.4 51.6

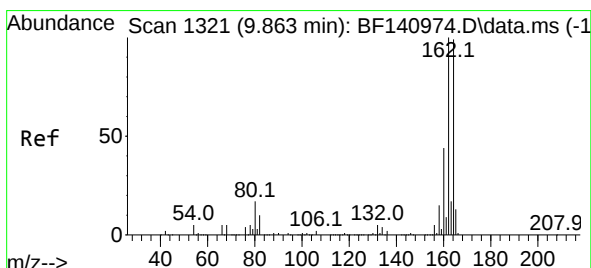
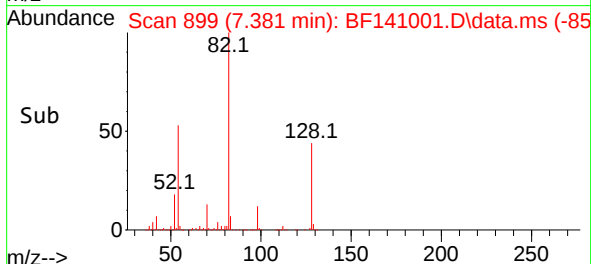
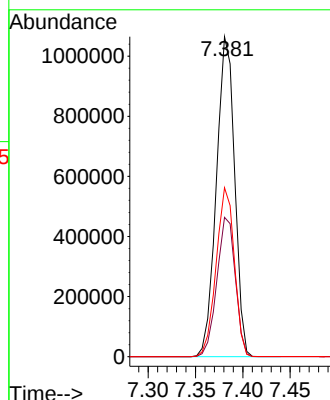
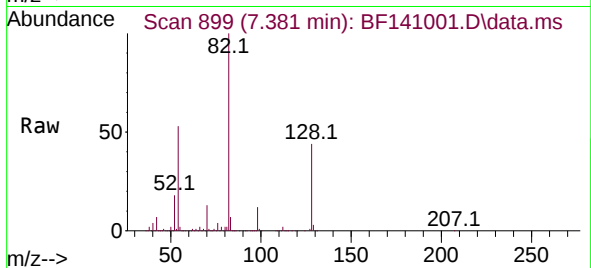
54 52.8 42.4 63.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF141001.D

Acq: 27 Dec 2024 17:21

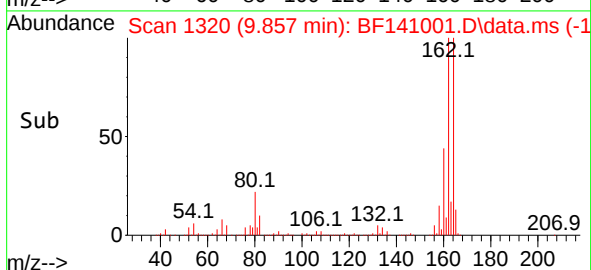
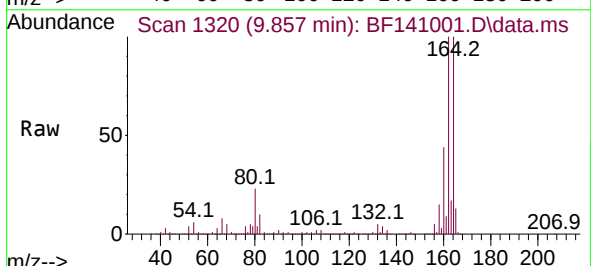
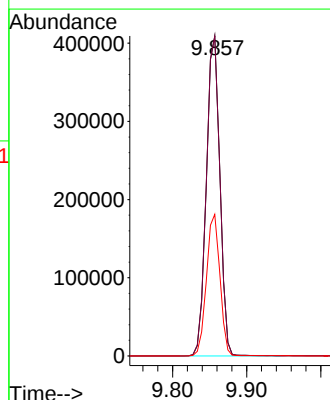
Tgt Ion:164 Resp: 518878

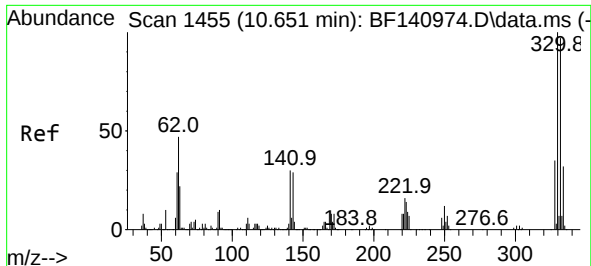
Ion Ratio Lower Upper

164 100

162 99.8 80.6 120.8

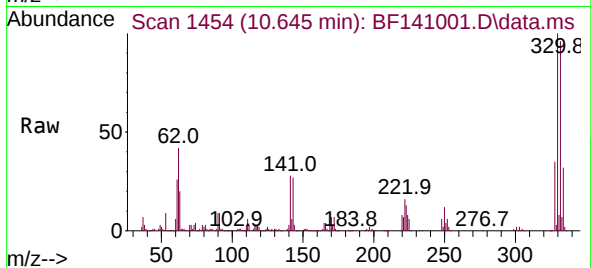
160 44.3 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 127.363 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

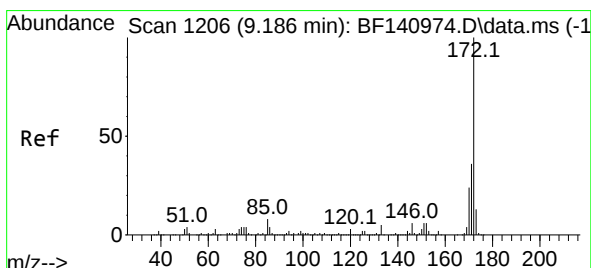
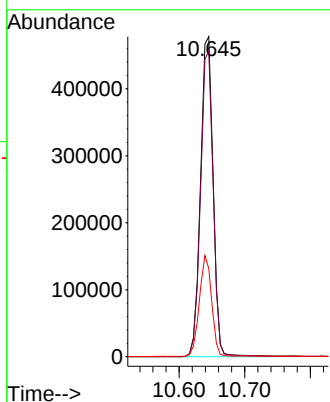
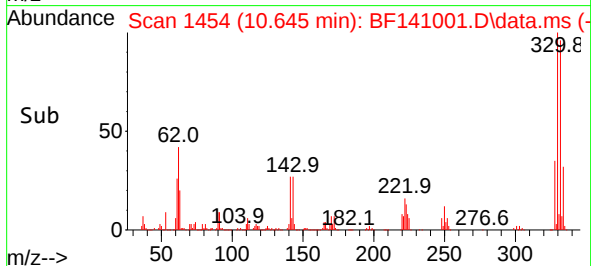
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219



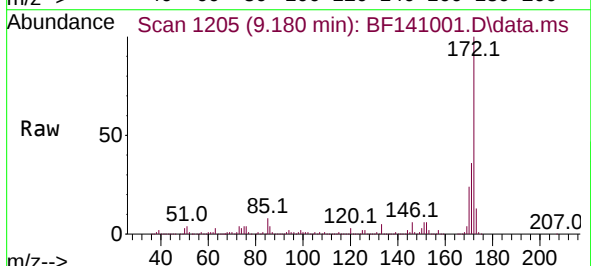
Tgt Ion:330 Resp: 642160
Ion Ratio Lower Upper
330 100
332 95.3 78.0 117.0
141 30.7 26.4 39.6

Manual Integrations
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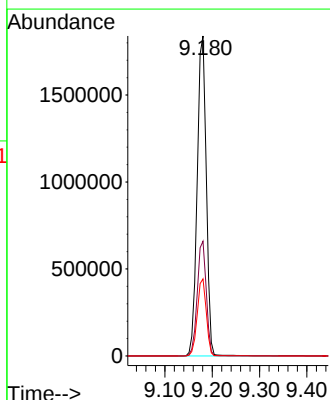
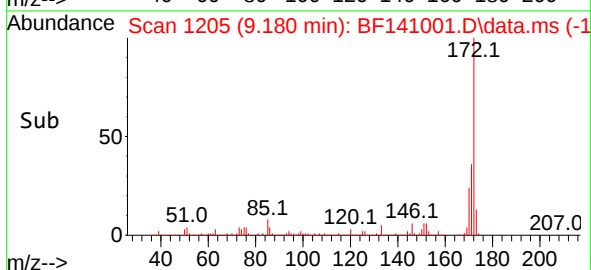
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

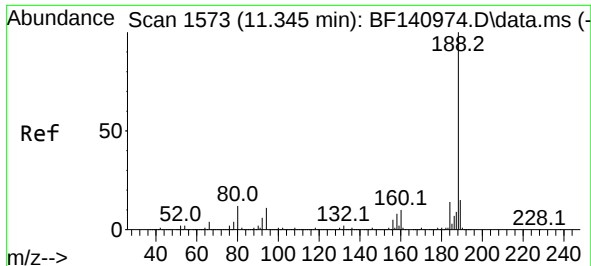


#45
2-Fluorobiphenyl
Concen: 75.473 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21



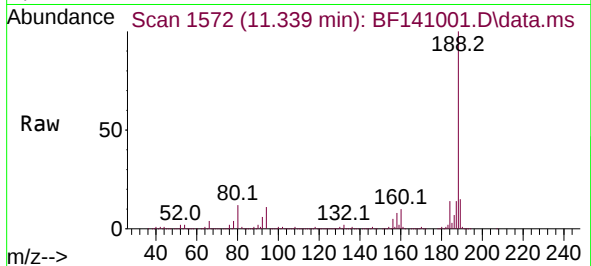
Tgt Ion:172 Resp: 2457979
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 24.1 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

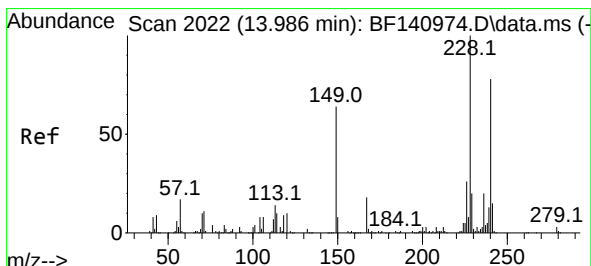
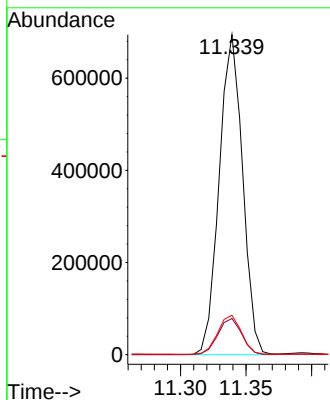
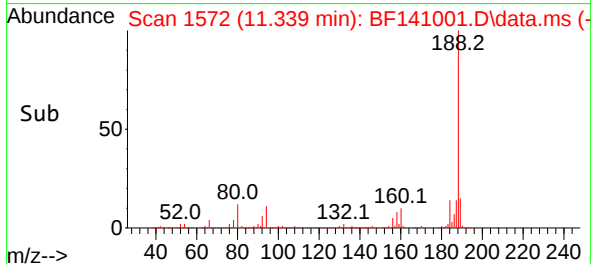
Instrument :
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ClientSampleId :
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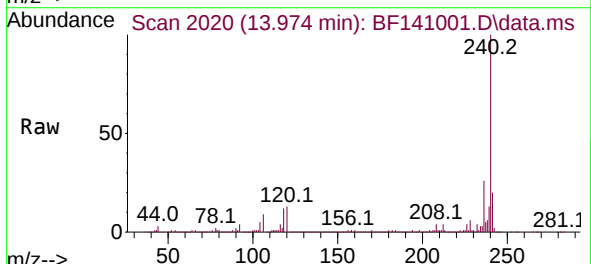
Tgt Ion:188 Resp: 85946
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 12.3 9.8 14.6

Manual Integrations
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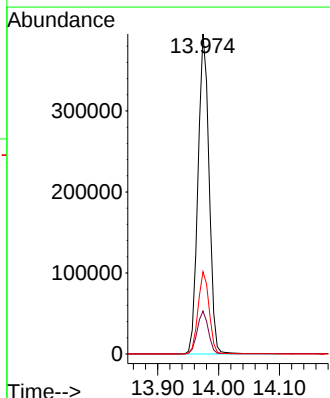
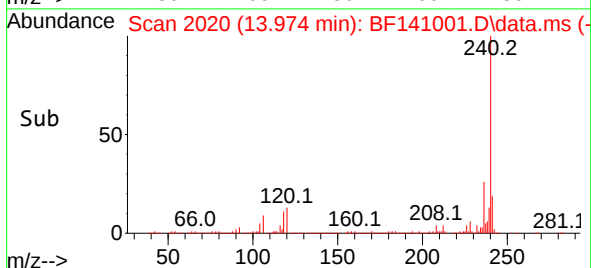
Reviewed By :Yogesh Patel 12/30/2024
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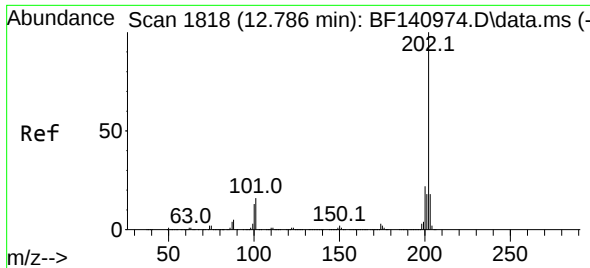


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21



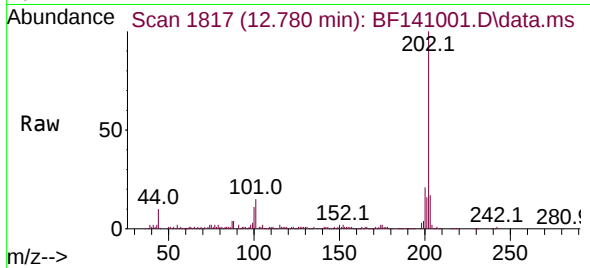
Tgt Ion:240 Resp: 501333
Ion Ratio Lower Upper
240 100
120 13.4 10.7 16.1
236 25.7 20.6 31.0





#78
Pyrene
Concen: 2.559 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

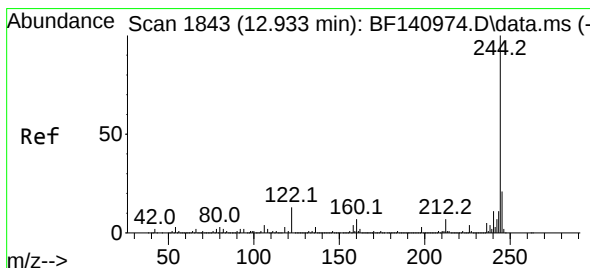
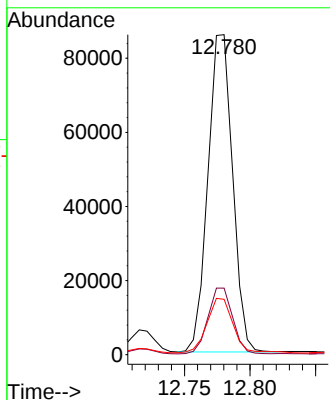
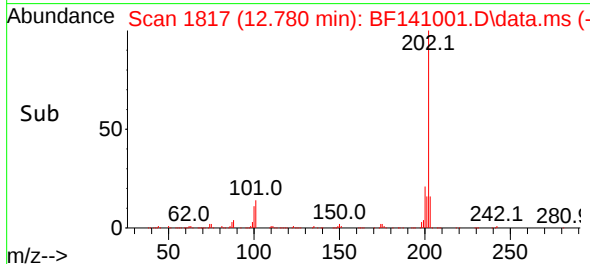
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219



Tgt Ion:202 Resp: 11220
Ion Ratio Lower Upper
202 100
200 20.8 17.3 25.9
203 17.3 14.6 21.8

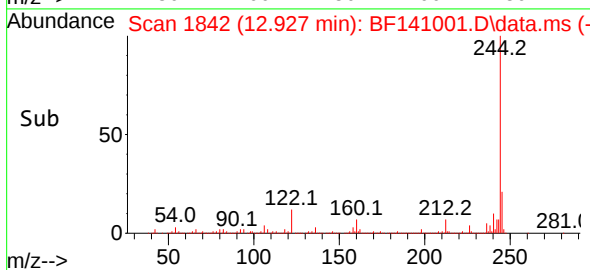
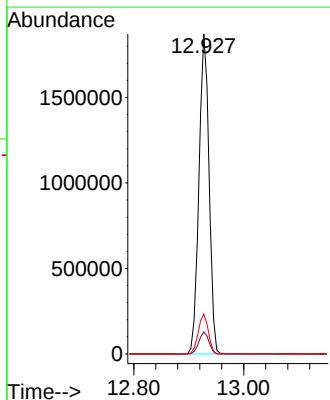
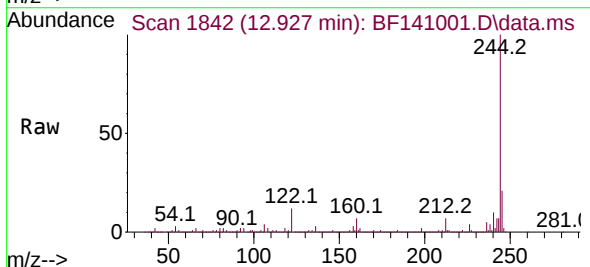
Manual Integrations
APPROVED

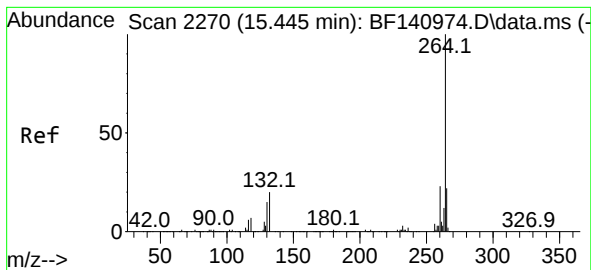
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#79
Terphenyl-d14
Concen: 79.244 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

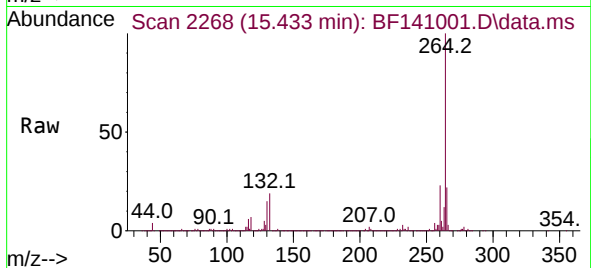
Tgt Ion:244 Resp: 2391787
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 12.4 10.2 15.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

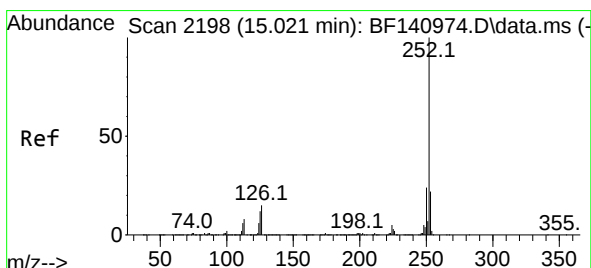
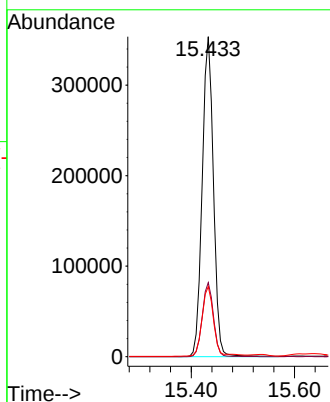
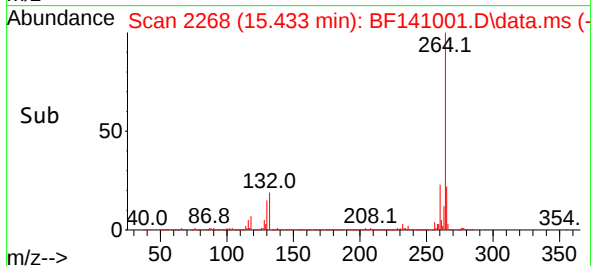
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219



Tgt Ion:264 Resp: 53333
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.9 17.4 26.2

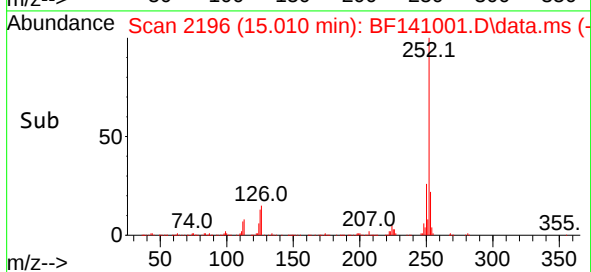
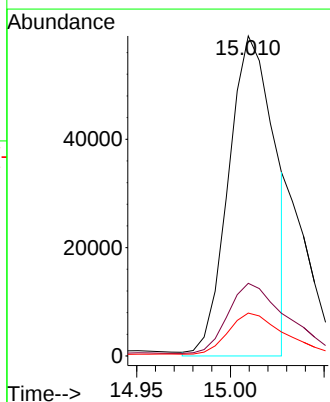
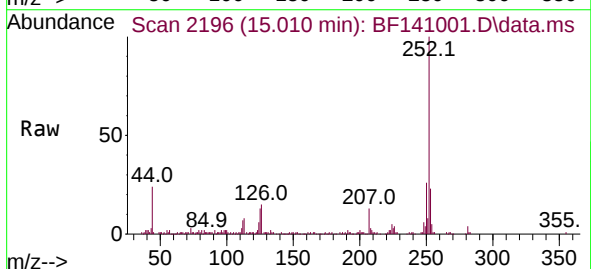
Manual Integrations
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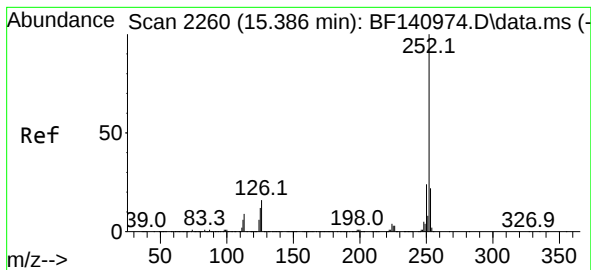
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#88
Benzo(b)fluoranthene
Concen: 2.704 ng m
RT: 15.010 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

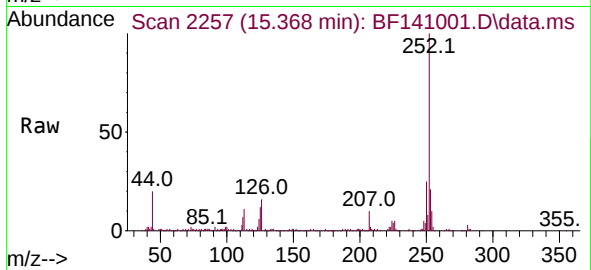
Tgt Ion:252 Resp: 100564
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 13.4 9.3 13.9





#90
Benzo(a)pyrene
Concen: 4.012 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

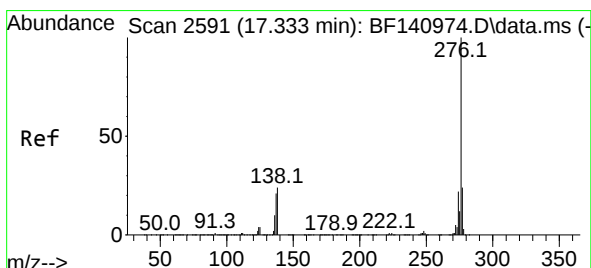
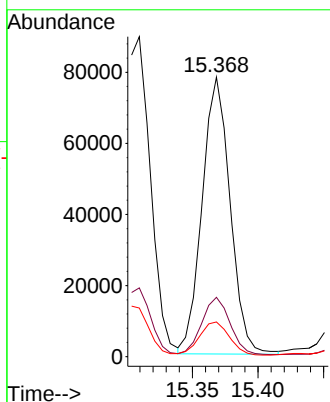
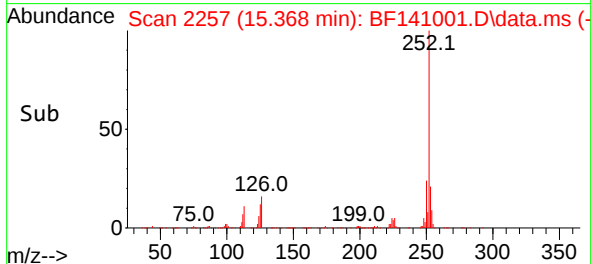
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219



Tgt Ion:252 Resp: 11584
Ion Ratio Lower Upper
252 100
253 21.2 17.2 25.8
125 12.4 9.8 14.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#92
Benzo(g,h,i)perylene
Concen: 4.220 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.035 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:276 Resp: 119214
Ion Ratio Lower Upper
276 100
277 23.2 19.0 28.4
138 24.2 19.4 29.2

