

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140518.D
 Acq On : 20 Nov 2024 23:32
 Operator : RC/JU
 Sample : P4822-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 00:10:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	66956	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	215841	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	100423	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	192326	20.000	ng	0.00
76) Chrysene-d12	14.045	240	128755	20.000	ng	0.00
86) Perylene-d12	15.539	264	95058	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	313504	79.944	ng	0.01
7) Phenol-d6	6.510	99	377604	71.071	ng	0.00
23) Nitrobenzene-d5	7.434	82	236378	57.060	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	85376	85.493	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	416105	66.609	ng	0.00
79) Terphenyl-d14	12.986	244	465375	62.739	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.616	202	40128	3.959	ng	97
78) Pyrene	12.845	202	50736	4.607	ng	98
81) Benzo(a)anthracene	14.033	228	23033	2.722	ng	# 93
83) Chrysene	14.069	228	21515	2.787	ng	# 96
88) Benzo(b)fluoranthene	15.104	252	27450m	4.414	ng	
90) Benzo(a)pyrene	15.480	252	13177	2.729	ng	# 79

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

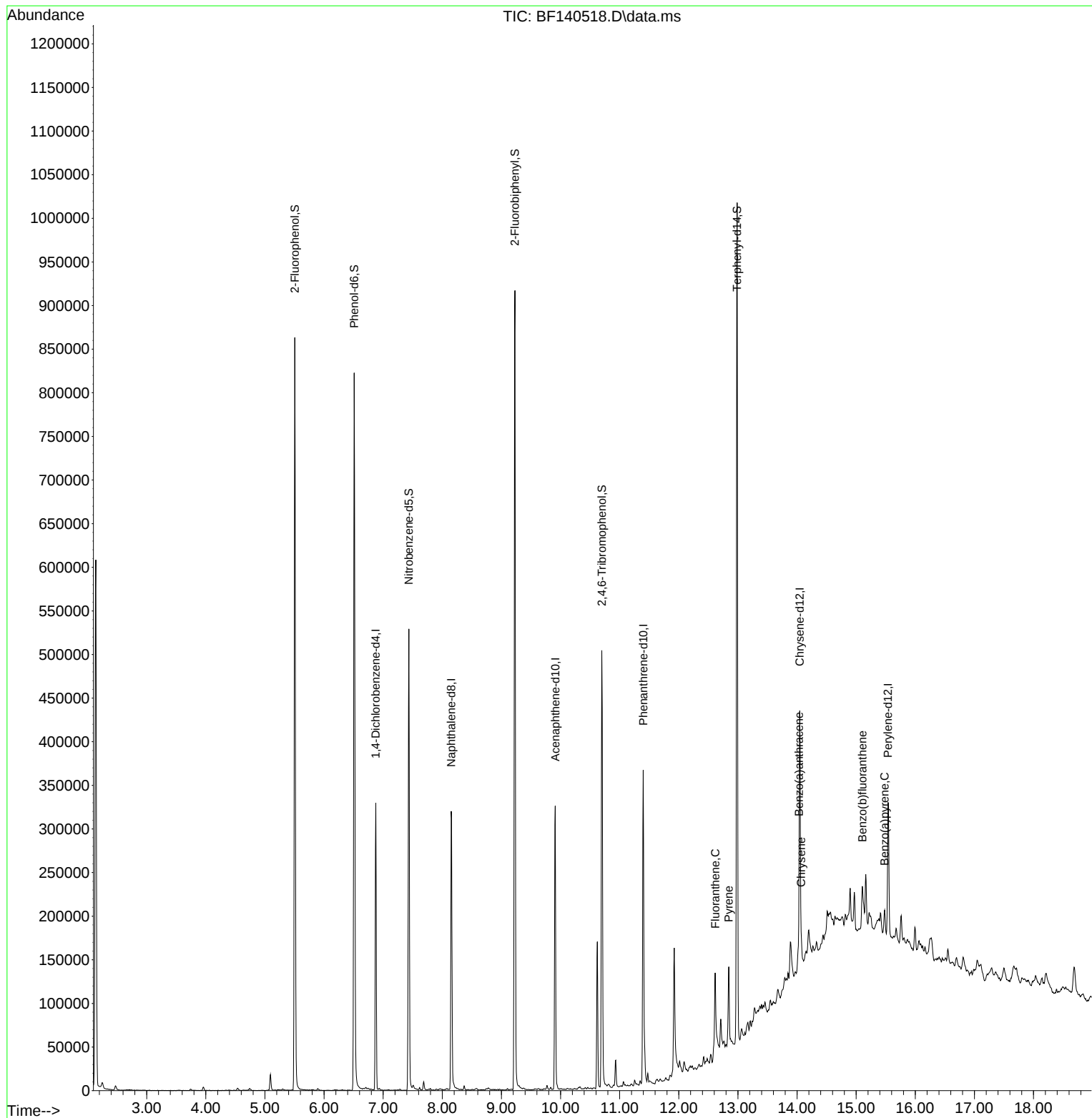
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140518.D
Acq On : 20 Nov 2024 23:32
Operator : RC/JU
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
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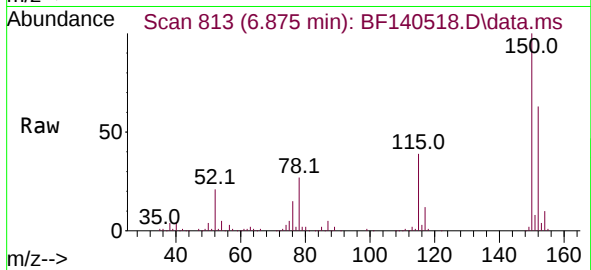
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32

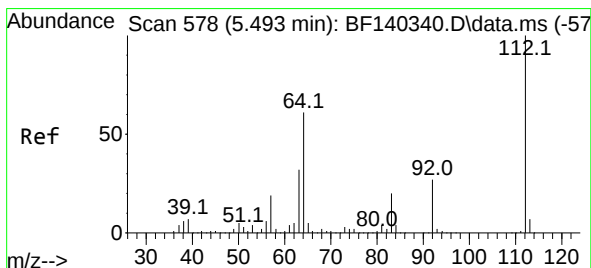
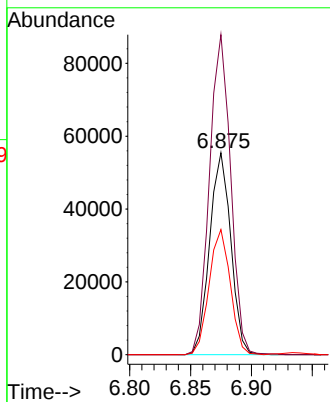
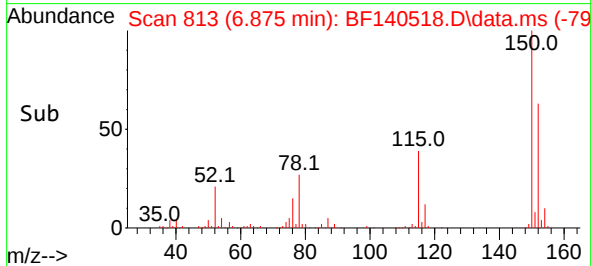
Instrument :
BNA_F
ClientSampleId :
SOIL-1



Tgt Ion:152 Resp: 66950
Ion Ratio Lower Upper
152 100
150 158.5 127.4 191.0
115 62.0 47.4 71.2

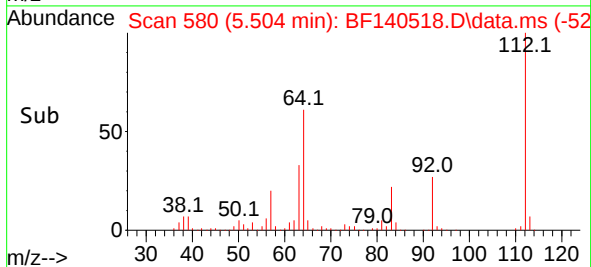
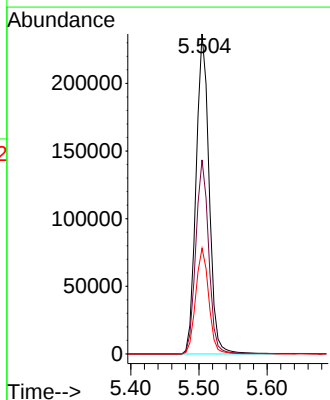
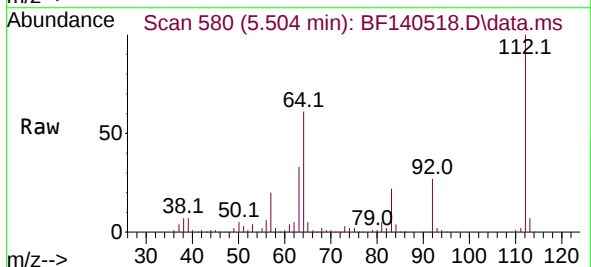
Manual Integrations
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#5
2-Fluorophenol
Concen: 79.944 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32

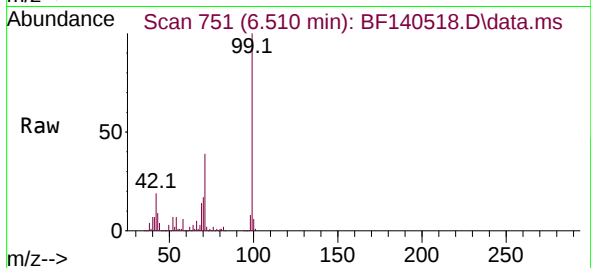
Tgt Ion:112 Resp: 313504
Ion Ratio Lower Upper
112 100
64 60.6 49.2 73.8
63 33.1 25.6 38.4





#7
Phenol-d6
Concen: 71.071 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32

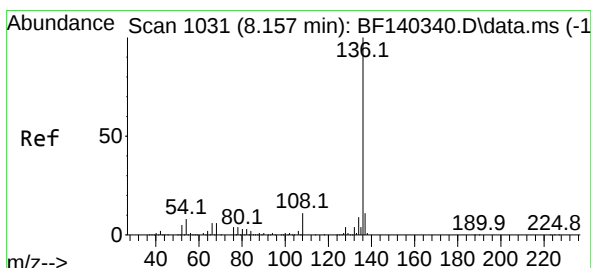
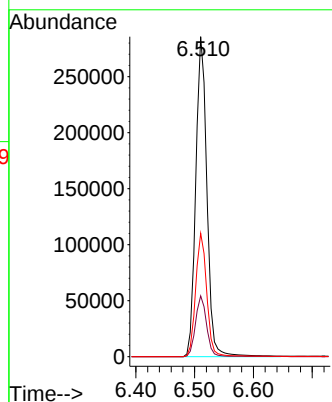
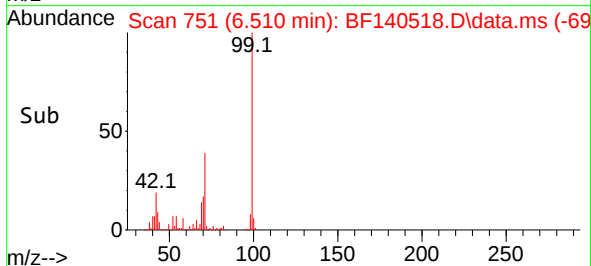
Instrument :
BNA_F
ClientSampleId :
SOIL-1



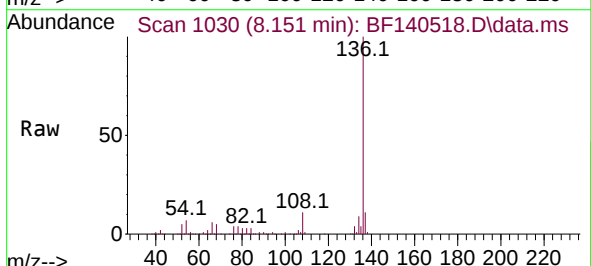
Tgt Ion: 99 Resp: 377604
Ion Ratio Lower Upper
99 100
42 19.0 15.1 22.7
71 38.5 27.9 41.9

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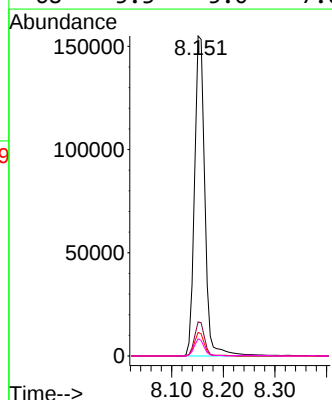
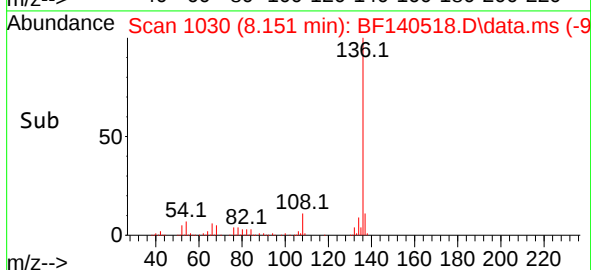
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

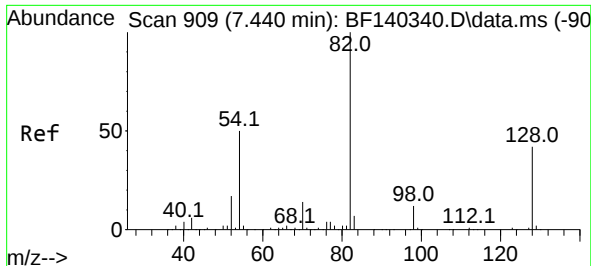


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32



Tgt Ion:136 Resp: 215841
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 7.3 6.5 9.7
68 5.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 57.060 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140518.D

Acq: 20 Nov 2024 23:32

Instrument :

BNA_F

ClientSampleId :

SOIL-1

Tgt Ion: 82 Resp: 236378

Ion Ratio Lower Upper

82 100

128 43.1 33.3 49.9

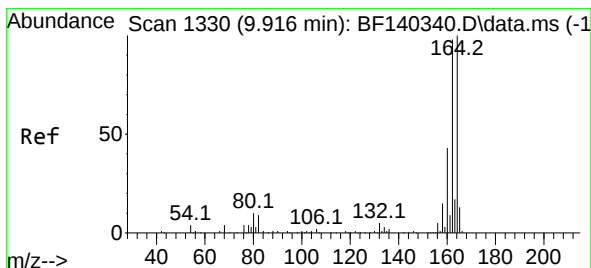
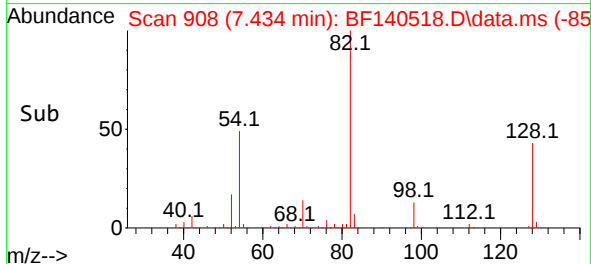
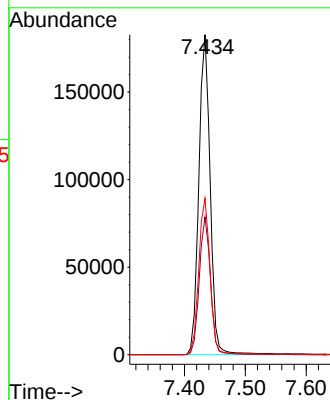
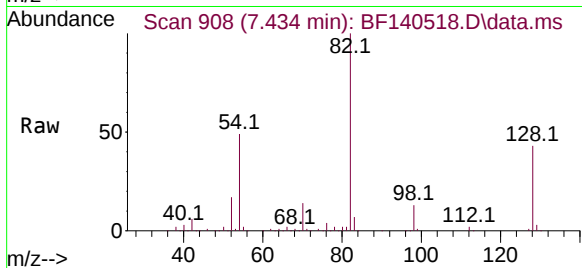
54 48.9 39.8 59.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140518.D

Acq: 20 Nov 2024 23:32

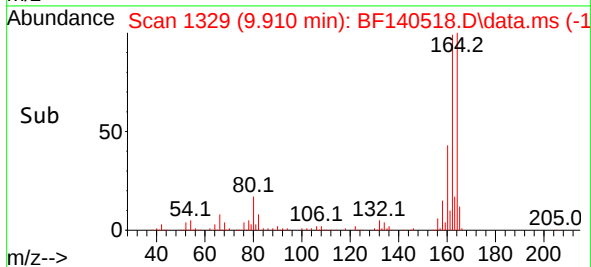
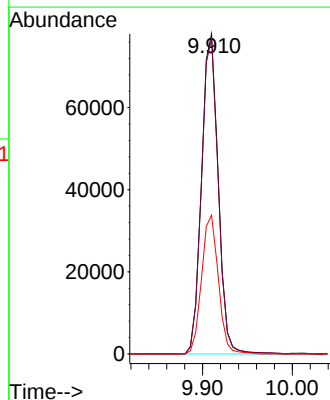
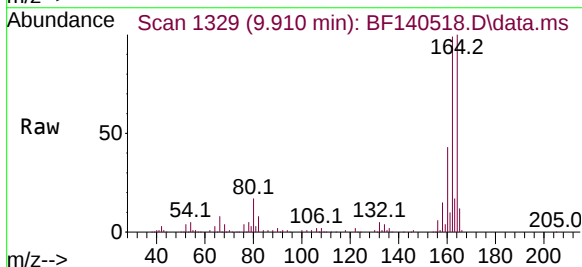
Tgt Ion:164 Resp: 100423

Ion Ratio Lower Upper

164 100

162 98.6 79.8 119.8

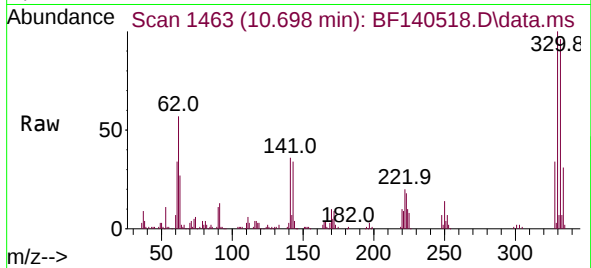
160 43.4 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 85.493 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32

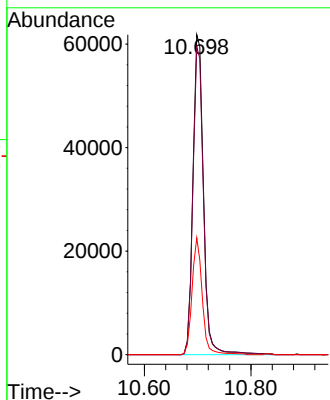
Instrument :
BNA_F
ClientSampleId :
SOIL-1



Tgt Ion: 330 Resp: 85370
Ion Ratio Lower Upper
330 100
332 96.2 75.9 113.9
141 35.3 26.9 40.3

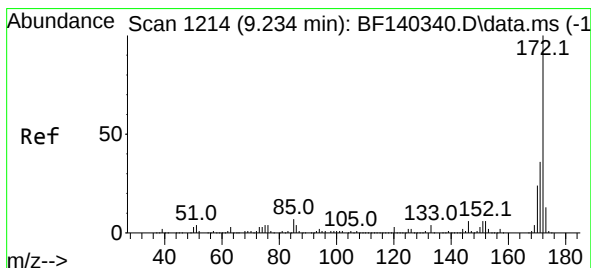
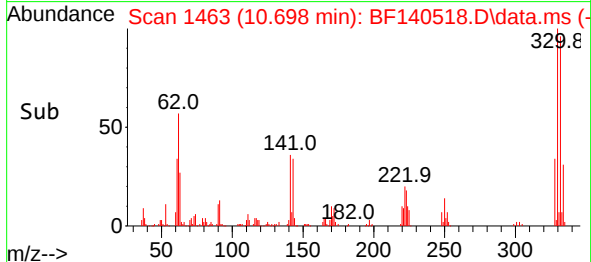
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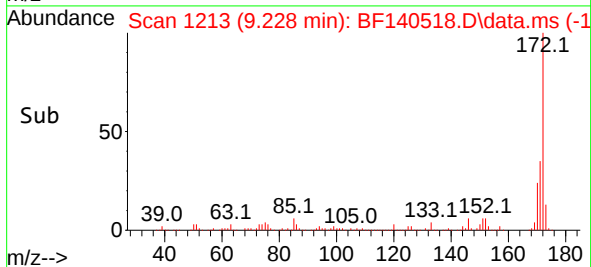
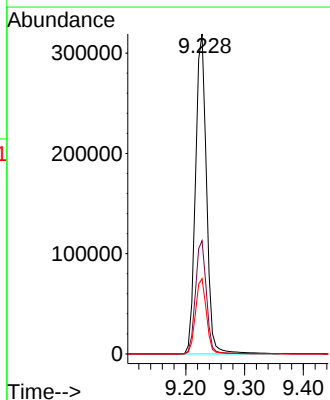
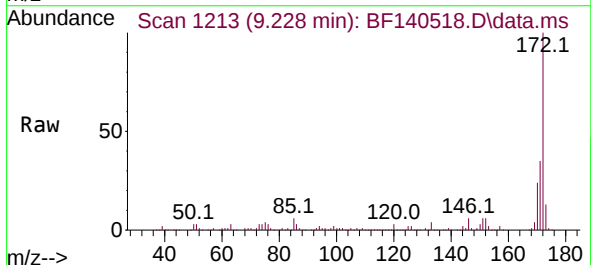
11/22/2024
Supervised By :mohammad
ahmed

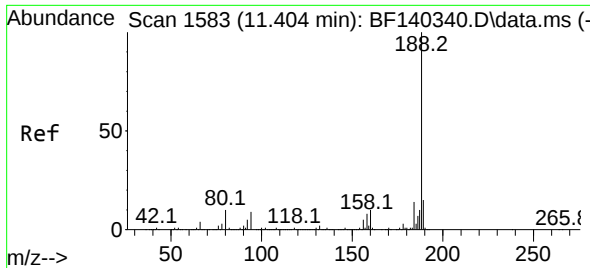
11/22/2024



#45
2-Fluorobiphenyl
Concen: 66.609 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32

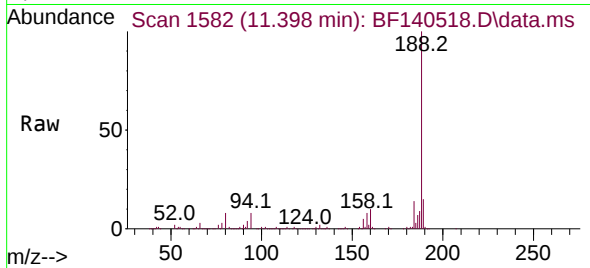
Tgt Ion: 172 Resp: 416105
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.5 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32

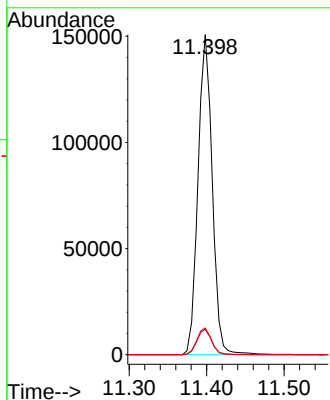
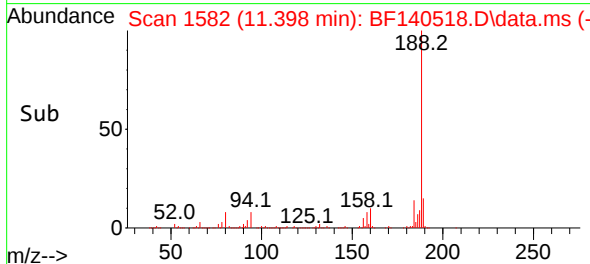
Instrument :
BNA_F
ClientSampleId :
SOIL-1



Tgt Ion:188 Resp: 192320
Ion Ratio Lower Upper
188 100
94 7.9 7.6 11.4
80 8.4 8.0 12.0

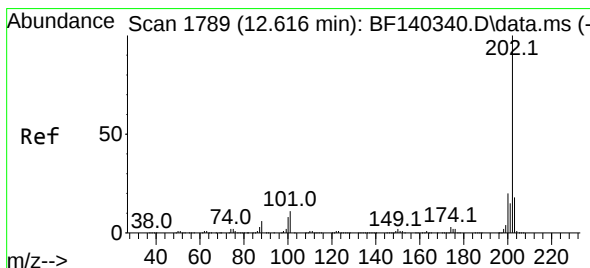
Manual Integrations
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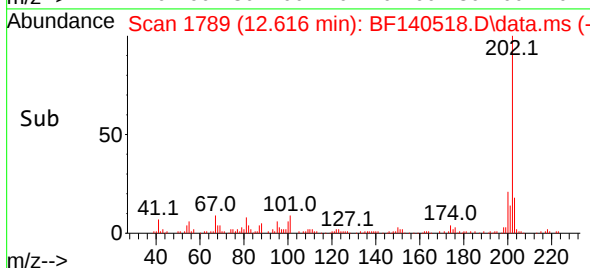
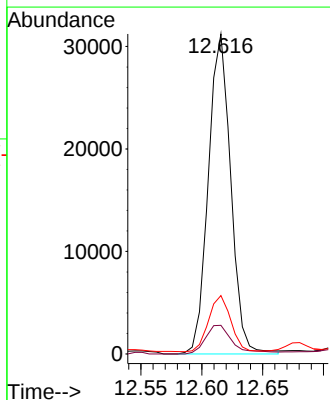
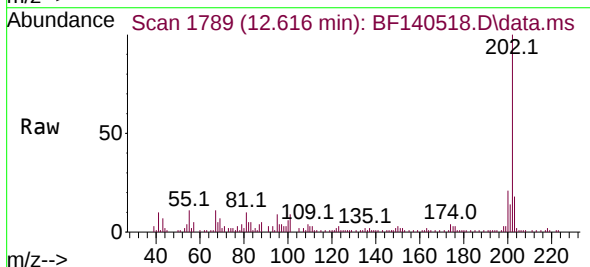
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Supervised By :mohammad
ahmed

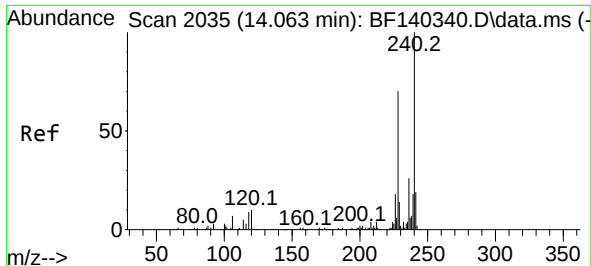
11/22/2024



#75
Fluoranthene
Concen: 3.959 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32

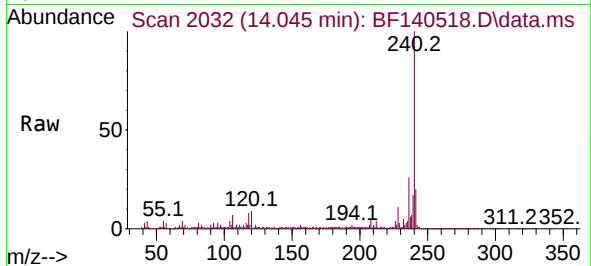
Tgt Ion:202 Resp: 40128
Ion Ratio Lower Upper
202 100
101 8.9 0.0 30.7
203 18.2 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32

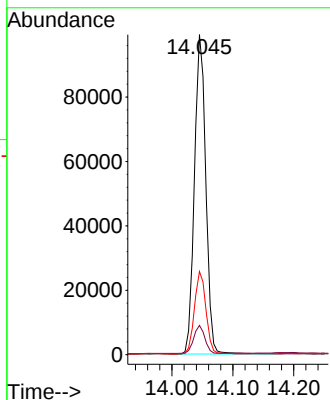
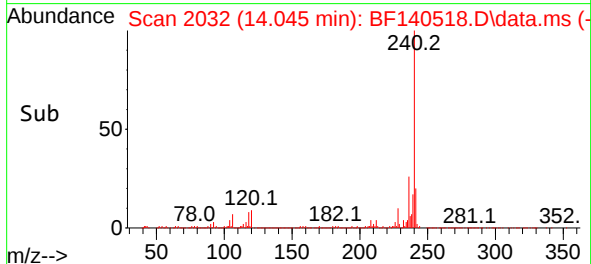
Instrument :
BNA_F
ClientSampleId :
SOIL-1



Tgt Ion:240 Resp: 12875
Ion Ratio Lower Upper
240 100
120 9.1 8.8 13.2
236 26.0 20.9 31.3

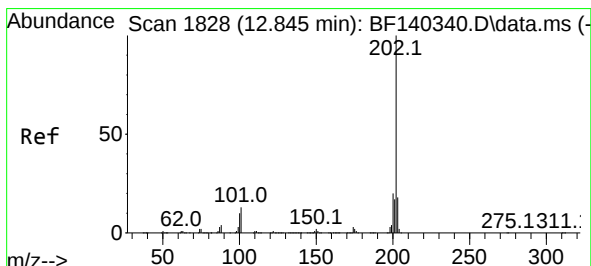
Manual Integrations
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Reviewed By :Yogesh
Patel

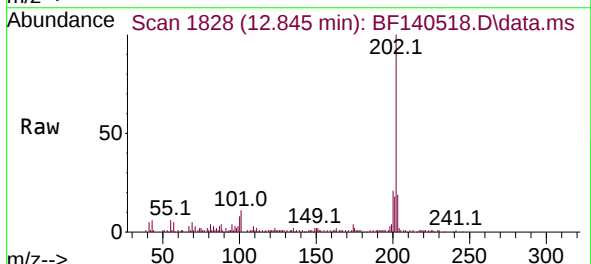


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Supervised By :mohammad
ahmed

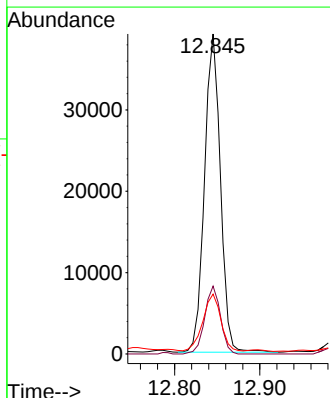
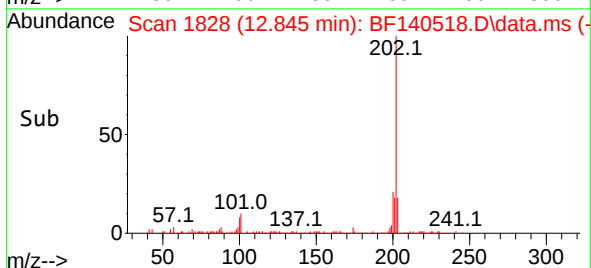
11/22/2024

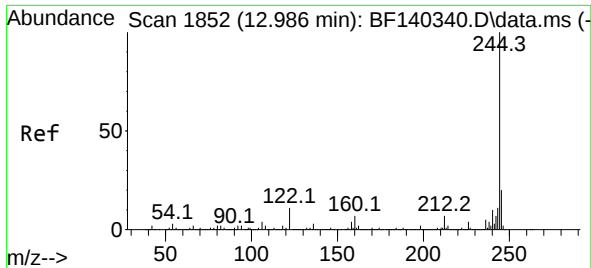


#78
Pyrene
Concen: 4.607 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32



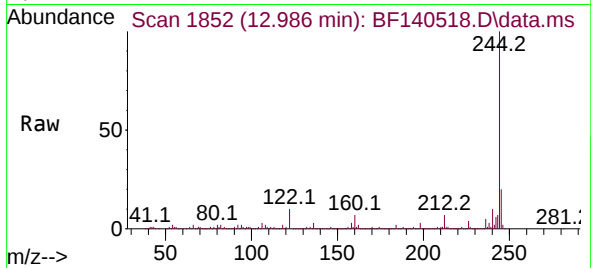
Tgt Ion:202 Resp: 50736
Ion Ratio Lower Upper
202 100
200 21.2 16.2 24.2
203 18.7 14.2 21.4





#79
 Terphenyl-d14
 Concen: 62.739 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF140518.D
 Acq: 20 Nov 2024 23:32

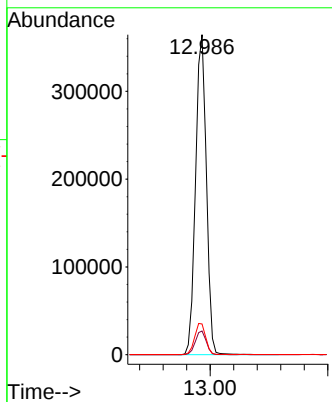
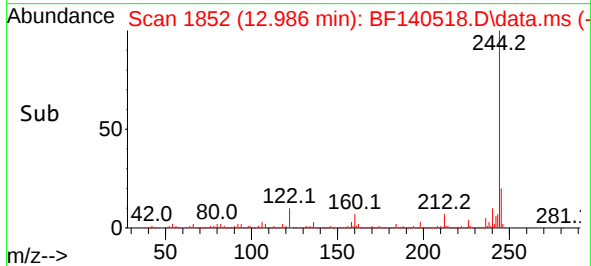
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1



Tgt Ion:244 Resp: 465379
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 9.6 8.8 13.2

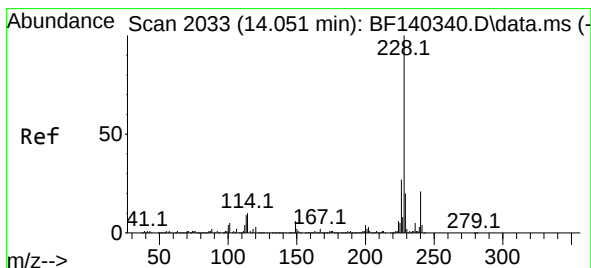
Manual Integrations
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Reviewed By :Yogesh
 Patel

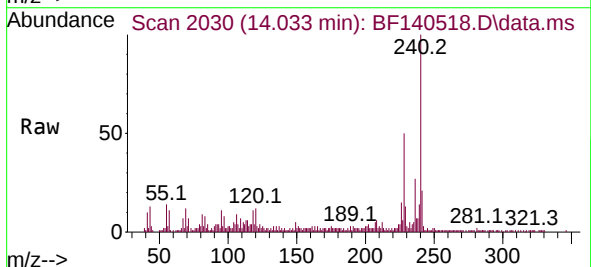


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 ahmed

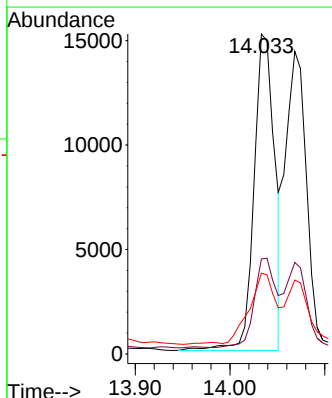
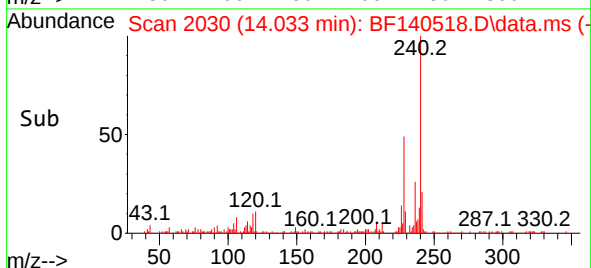
11/22/2024

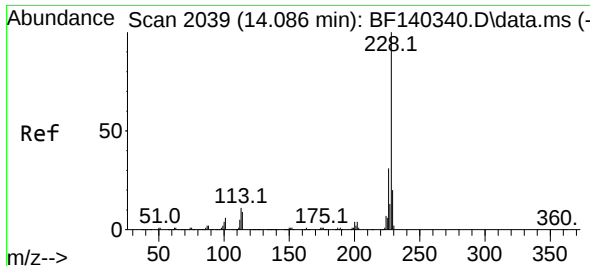


#81
 Benzo(a)anthracene
 Concen: 2.722 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140518.D
 Acq: 20 Nov 2024 23:32



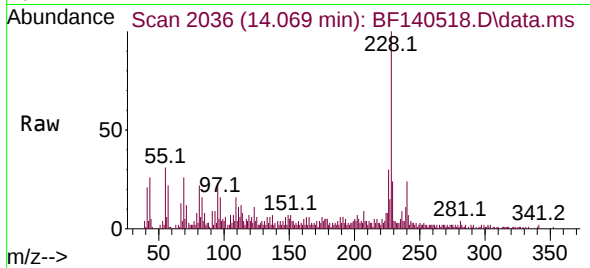
Tgt Ion:228 Resp: 23033
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.2 33.4
 229 25.2 15.8 23.6#





#83
Chrysene
Concen: 2.787 ng
RT: 14.069 min Scan# 2039
Delta R.T. -0.012 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32

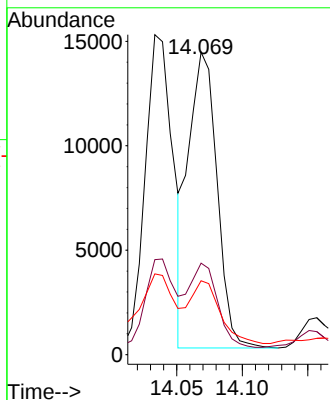
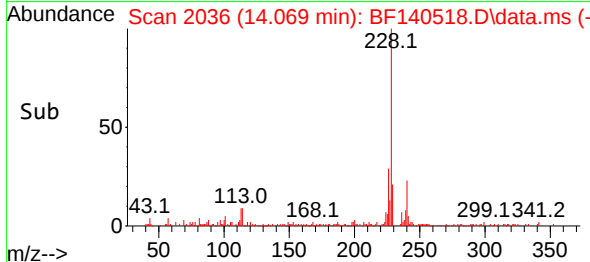
Instrument :
BNA_F
ClientSampleId :
SOIL-1



Tgt Ion:228 Resp: 2151
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 24.4 16.0 24.0

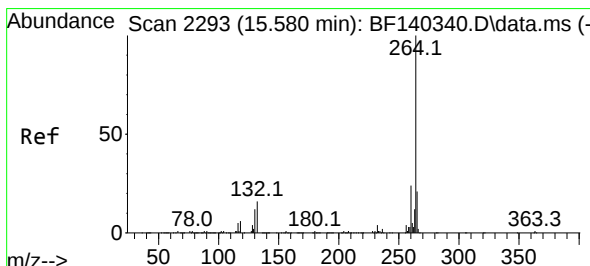
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

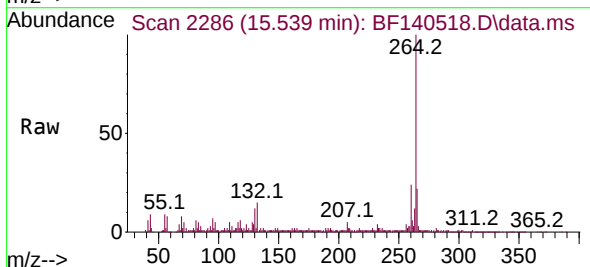


11/22/2024
Supervised By :mohammad
ahmed

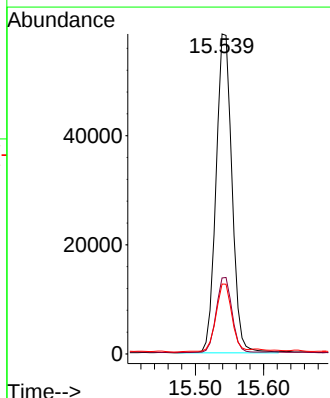
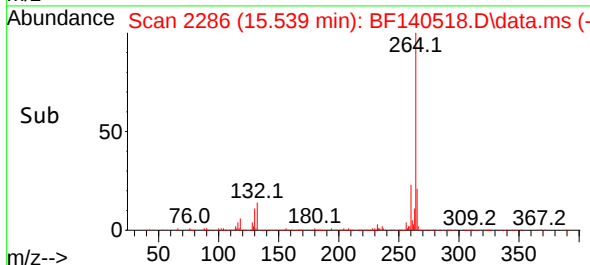
11/22/2024

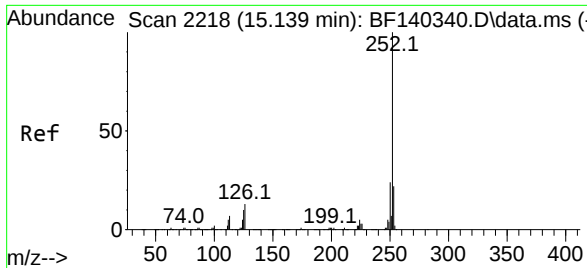


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.018 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32



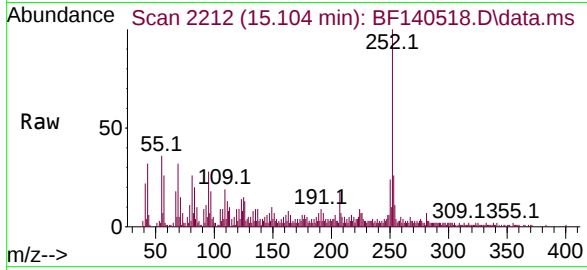
Tgt Ion:264 Resp: 95058
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.8 17.1 25.7





#88
Benzo(b)fluoranthene
Concen: 4.414 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32

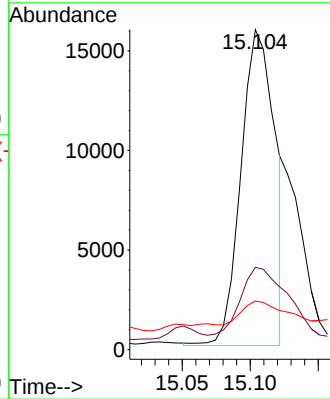
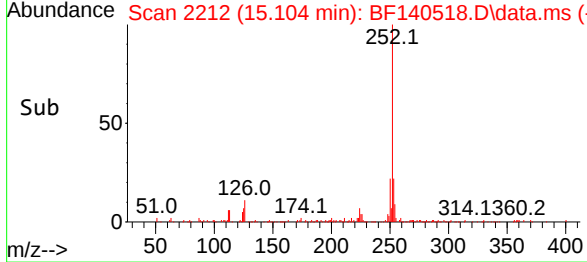
Instrument :
BNA_F
ClientSampleId :
SOIL-1



Tgt Ion:252 Resp: 27450
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 15.2 8.0 12.0

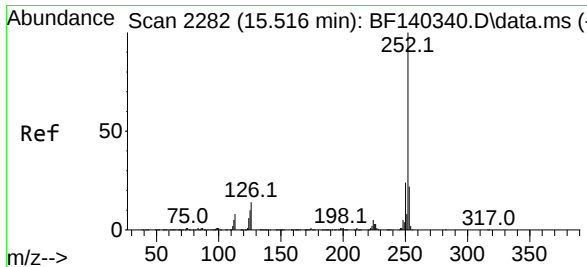
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



11/22/2024
Supervised By :mohammad
ahmed

11/22/2024



#90
Benzo(a)pyrene
Concen: 2.729 ng
RT: 15.480 min Scan# 2276
Delta R.T. -0.012 min
Lab File: BF140518.D
Acq: 20 Nov 2024 23:32

Tgt Ion:252 Resp: 13177
Ion Ratio Lower Upper
252 100
253 29.7 17.8 26.6#
125 22.9 8.4 12.6#

