

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
 Data File : BF138662.D
 Acq On : 25 Jul 2024 19:53
 Operator : RC/JU
 Sample : P3352-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
 Supervised By :mohammad ahmed 07/27/2024

Quant Time: Jul 26 01:13:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	76773	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	296439	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	131576	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	173049	20.000	ng	-0.02
76) Chrysene-d12	14.010	240	140548	20.000	ng	-0.02
86) Perylene-d12	15.474	264	103679	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	657131	135.560	ng	0.00
7) Phenol-d6	6.492	99	883417	136.993	ng	-0.01
23) Nitrobenzene-d5	7.416	82	575267	95.279	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	137977	112.203	ng	-0.02
45) 2-Fluorobiphenyl	9.210	172	899253	106.816	ng	-0.02
79) Terphenyl-d14	12.957	244	678893	78.692	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	83156	9.512	ng	99
72) Anthracene	11.445	178	19987	2.303	ng	98
75) Fluoranthene	12.580	202	112314	12.590	ng	97
78) Pyrene	12.810	202	96645	6.774	ng	98
81) Benzo(a)anthracene	13.998	228	51530	5.464	ng	98
83) Chrysene	14.033	228	43007	4.821	ng	96
88) Benzo(b)fluoranthene	15.045	252	42730m	7.318	ng	
89) Benzo(k)fluoranthene	15.062	252	14198m	2.493	ng	
90) Benzo(a)pyrene	15.410	252	26322	5.132	ng	# 89
92) Benzo(g,h,i)perylene	17.374	276	15847	2.623	ng	# 94

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

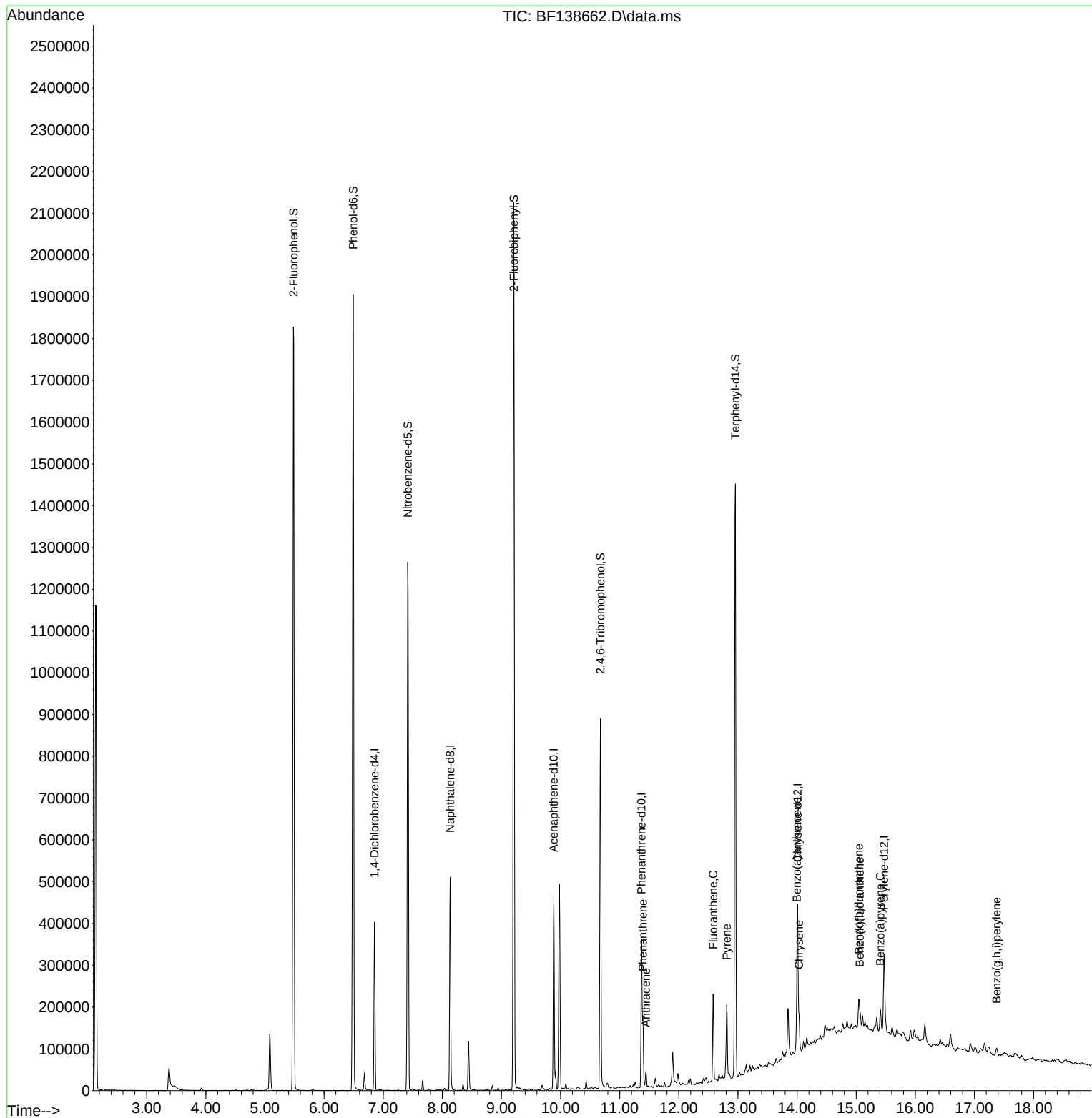
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
Data File : BF138662.D
Acq On : 25 Jul 2024 19:53
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ALS Vial : 16 Sample Multiplier: 1

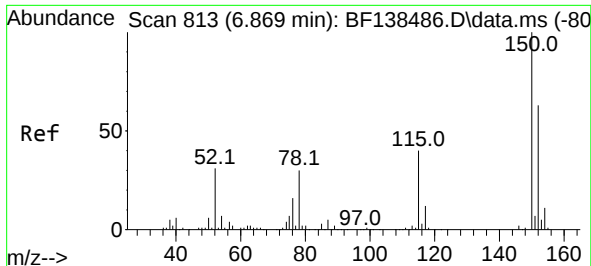
Instrument :
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Quant Time: Jul 26 01:13:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
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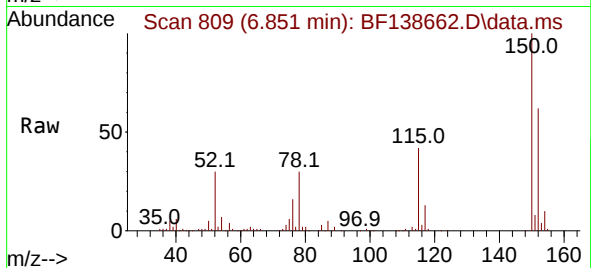
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

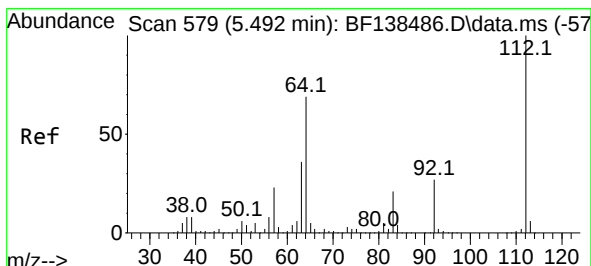
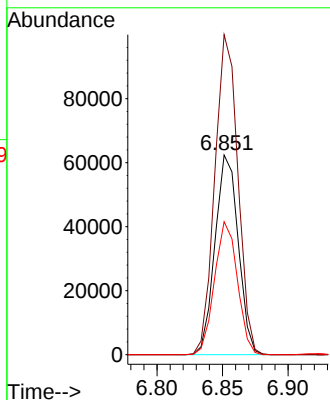
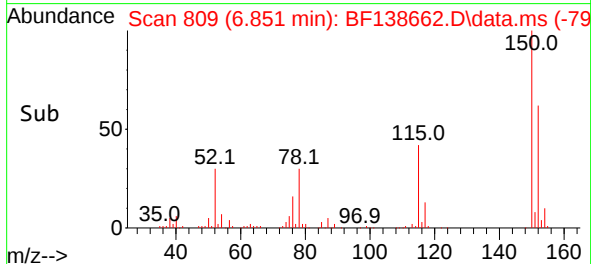
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP



Tgt Ion:152 Resp: 7677
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.4
115 66.6 50.3 75.5

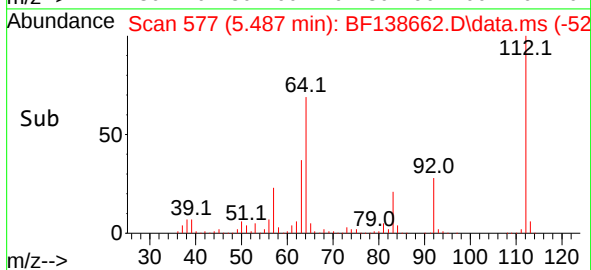
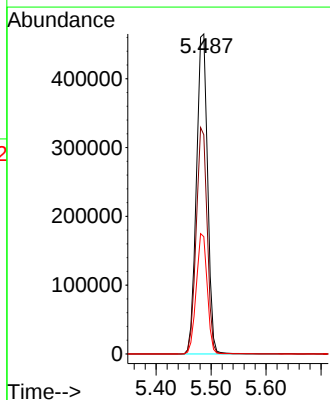
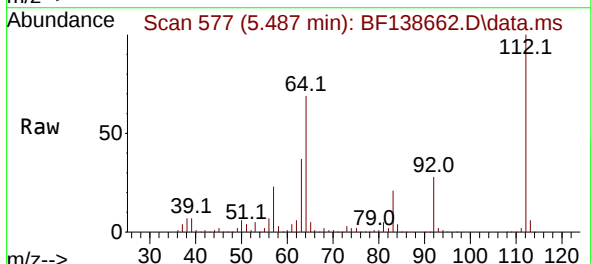
Manual Integrations
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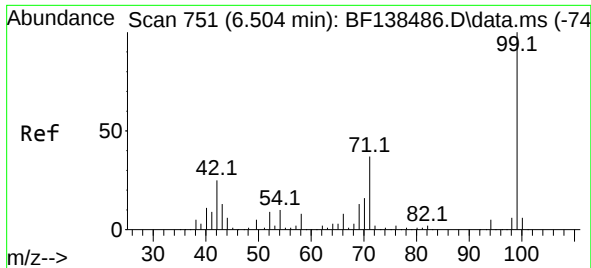
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#5
2-Fluorophenol
Concen: 135.560 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

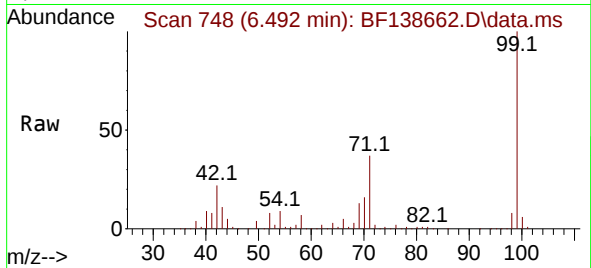
Tgt Ion:112 Resp: 657131
Ion Ratio Lower Upper
112 100
64 68.5 55.1 82.7
63 36.6 29.0 43.6





#7
Phenol-d6
Concen: 136.993 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

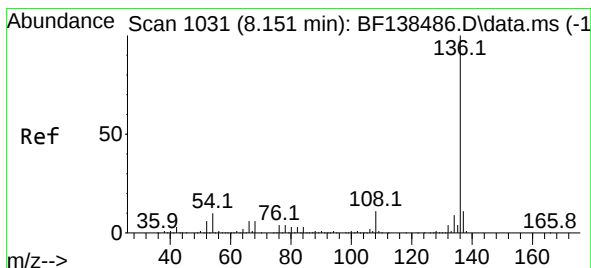
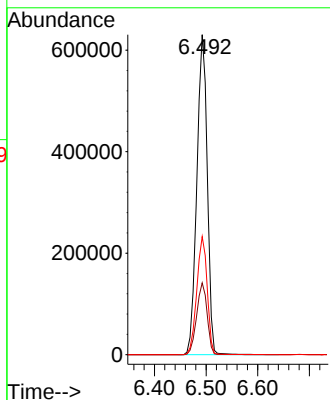
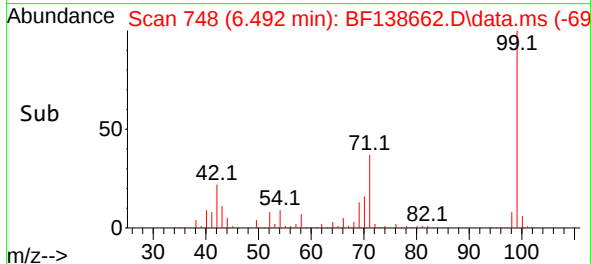
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP



Tgt Ion: 99 Resp: 88341
Ion Ratio Lower Upper
99 100
42 22.4 19.7 29.5
71 36.9 29.9 44.9

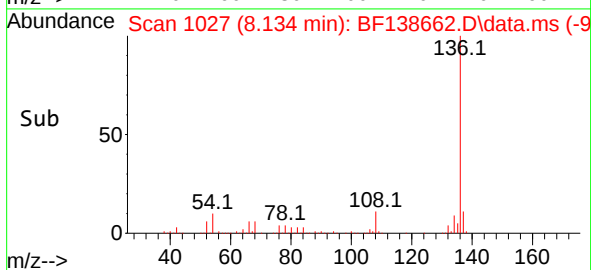
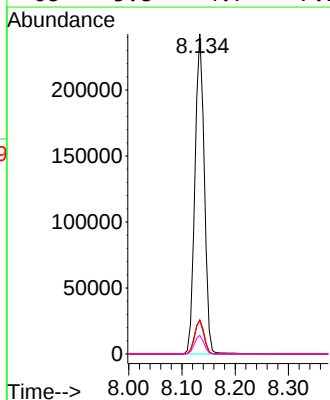
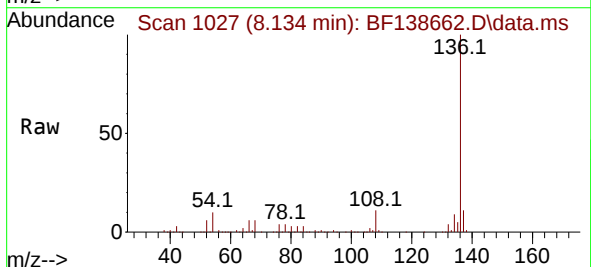
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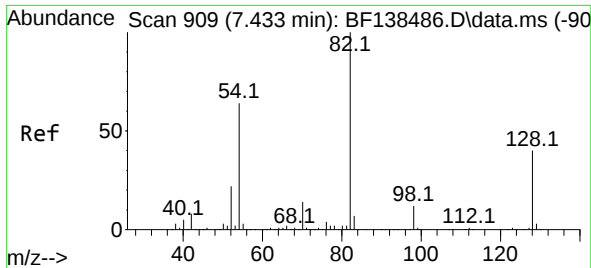
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Tgt Ion:136 Resp: 296439
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.4 8.1 12.1
68 5.8 4.7 7.1





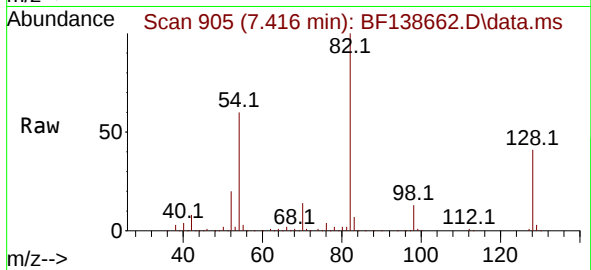
#23
Nitrobenzene-d5
Concen: 95.279 ng
RT: 7.416 min Scan# 909
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

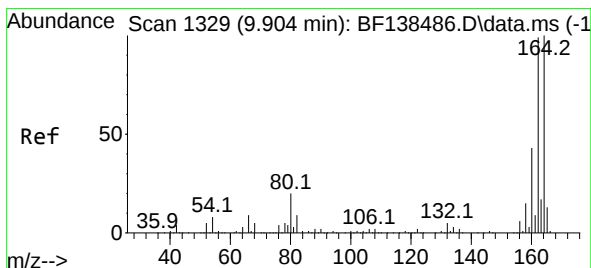
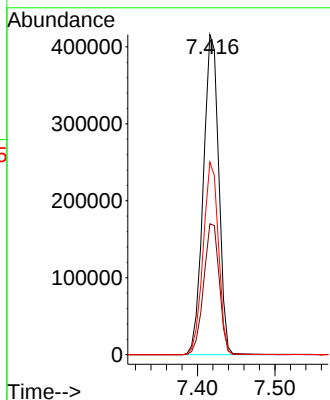
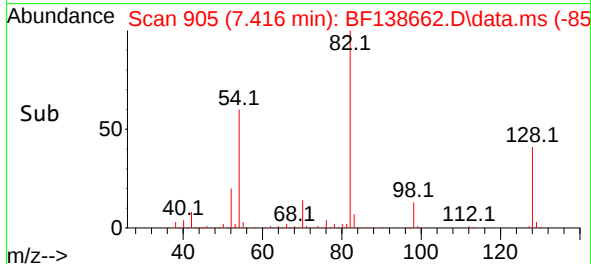


Tgt Ion: 82 Resp: 57526
Ion Ratio Lower Upper
82 100
128 40.9 32.3 48.5
54 60.1 51.4 77.0

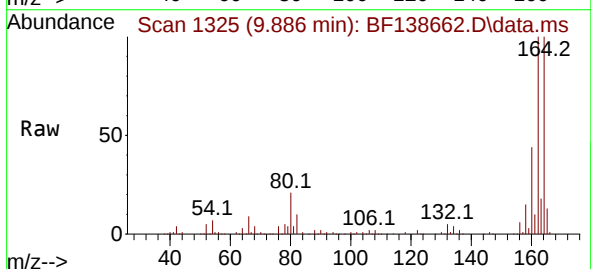
Manual Integrations

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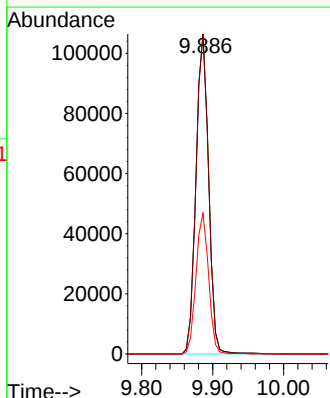
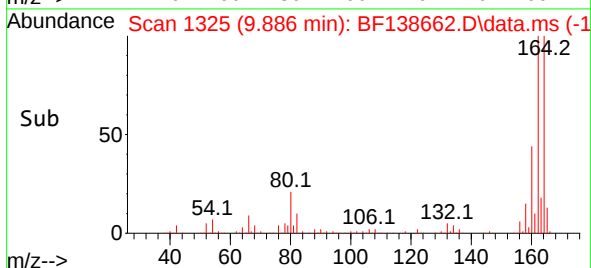
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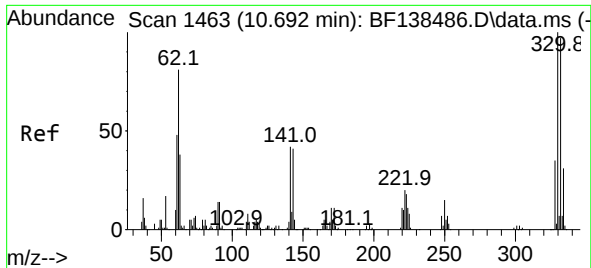


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53



Tgt Ion:164 Resp: 131576
Ion Ratio Lower Upper
164 100
162 100.0 79.0 118.6
160 43.9 34.4 51.6





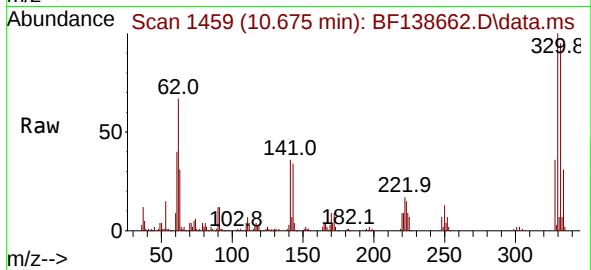
#42
2,4,6-Tribromophenol
Concen: 112.203 ng
RT: 10.675 min Scan# 1463
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

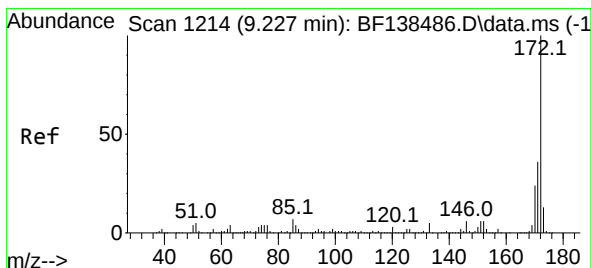
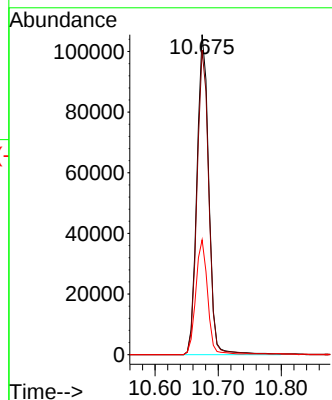
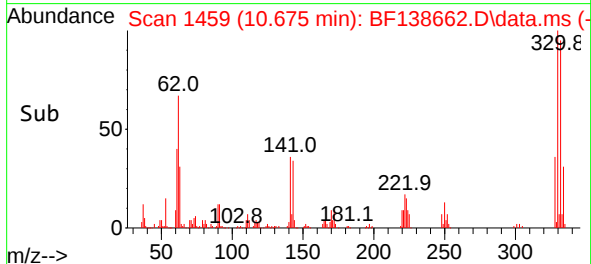


Tgt Ion:330 Resp: 13797
Ion Ratio Lower Upper
330 100
332 95.0 76.8 115.2
141 35.6 29.4 44.2

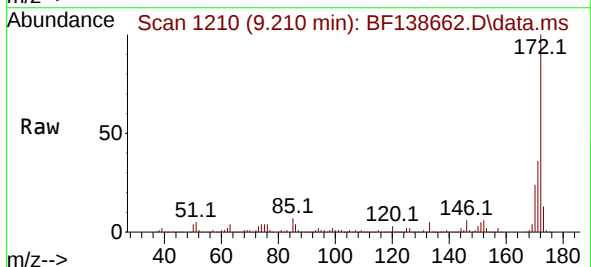
Manual Integrations

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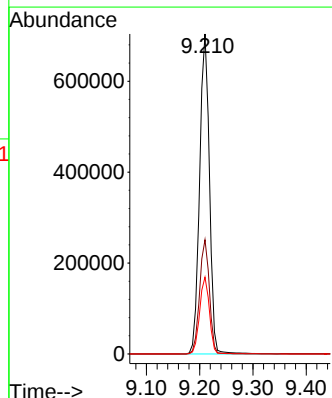
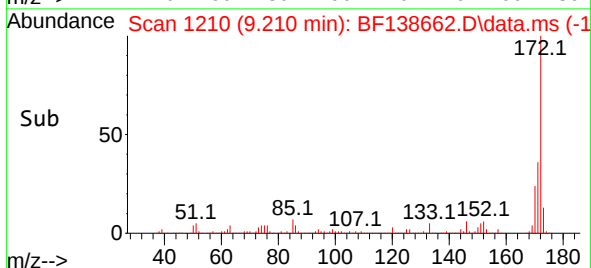
Reviewed By :Jagrut Upadhyay 07/26/2024
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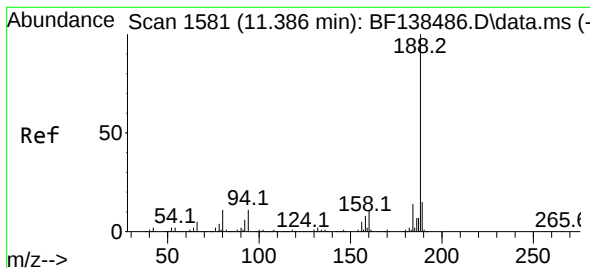


#45
2-Fluorobiphenyl
Concen: 106.816 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53



Tgt Ion:172 Resp: 899253
Ion Ratio Lower Upper
172 100
171 35.7 28.9 43.3
170 24.0 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

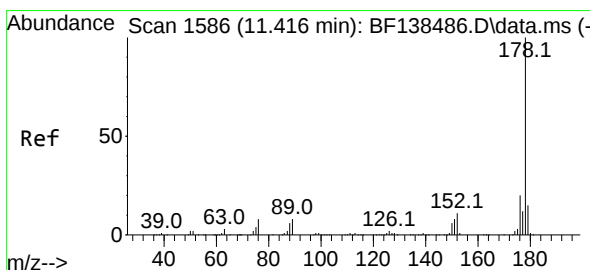
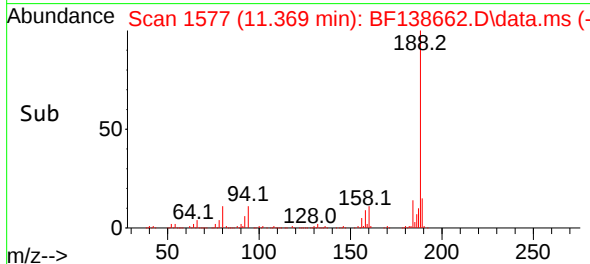
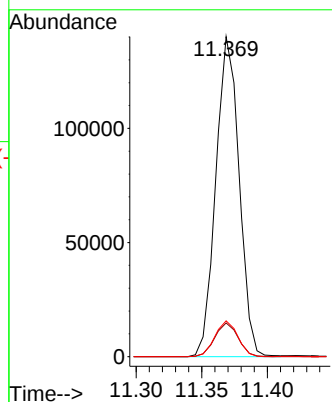
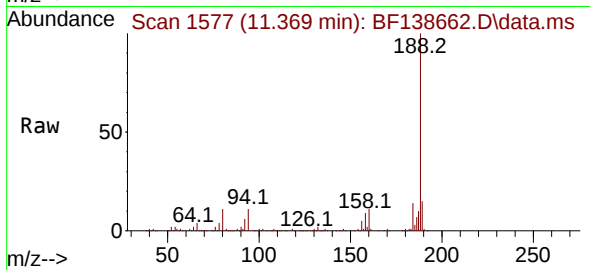
SOIL-COMP

Tgt Ion:188 Resp: 173049
Ion Ratio Lower Upper
188 100
94 10.5 8.7 13.1
80 11.2 9.0 13.4

Manual Integrations

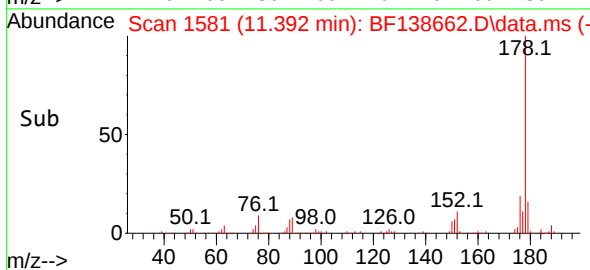
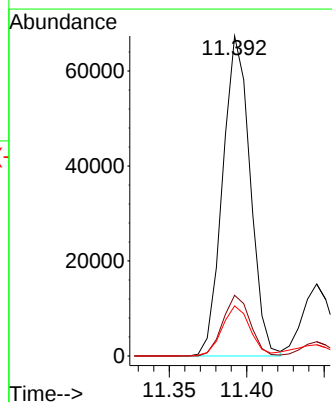
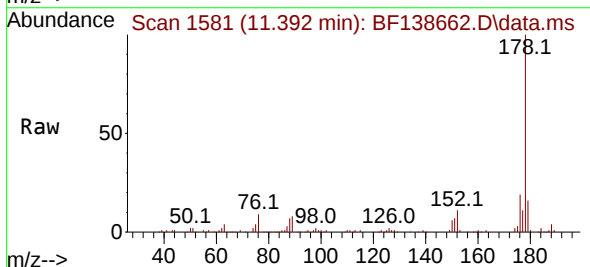
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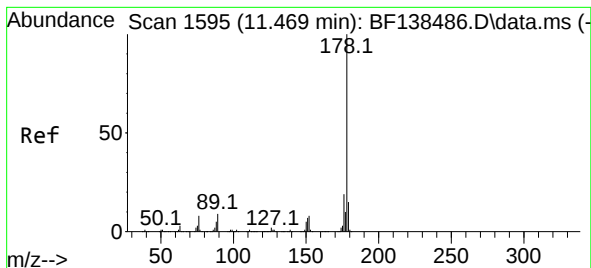
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#71
Phenanthrene
Concen: 9.512 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.023 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

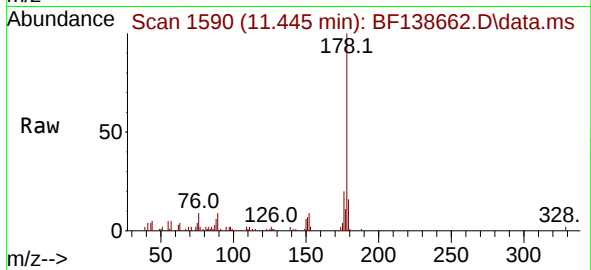
Tgt Ion:178 Resp: 83156
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.7 12.2 18.2





#72
Anthracene
Concen: 2.303 ng
RT: 11.445 min Scan# 11445
Delta R.T. -0.023 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

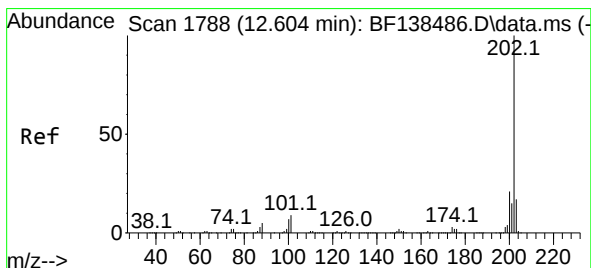
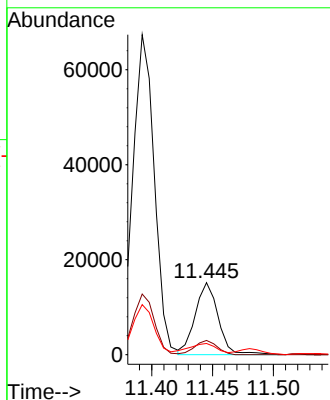
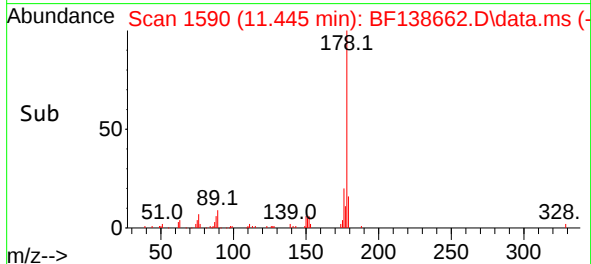
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP



Tgt Ion:178 Resp: 1998
Ion Ratio Lower Upper
178 100
176 19.8 14.8 22.2
179 15.5 12.2 18.4

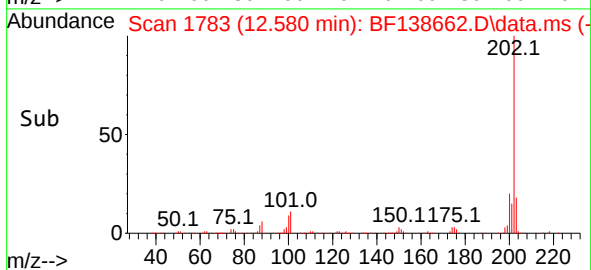
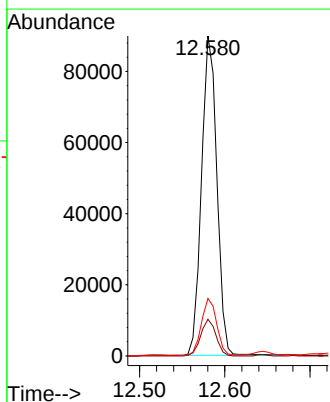
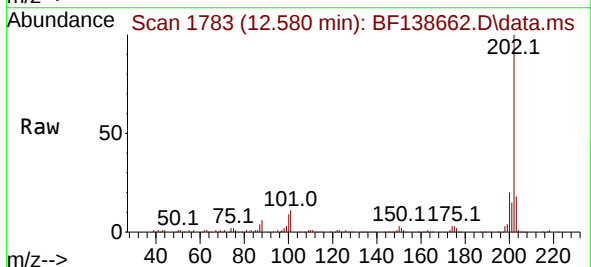
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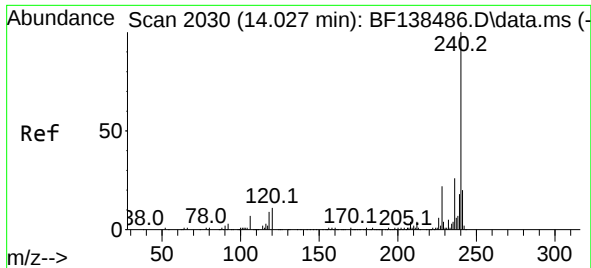
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#75
Fluoranthene
Concen: 12.590 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.023 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Tgt Ion:202 Resp: 112314
Ion Ratio Lower Upper
202 100
101 11.5 0.0 29.2
203 17.9 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2030
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

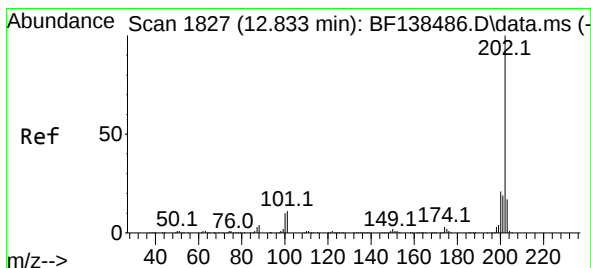
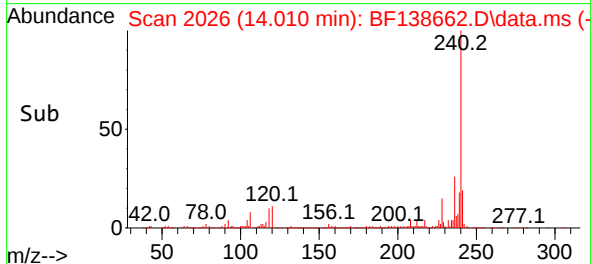
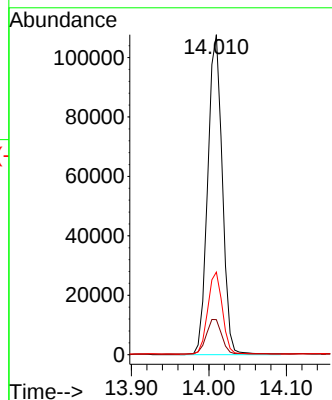
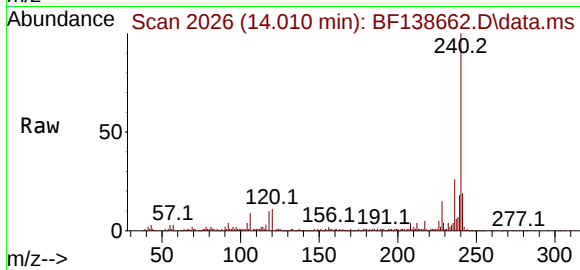
SOIL-COMP

Tgt Ion:240 Resp: 140548
Ion Ratio Lower Upper
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120 10.9 8.6 12.8
236 25.8 21.0 31.6

Manual Integrations

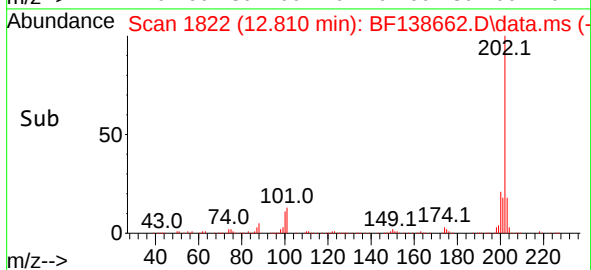
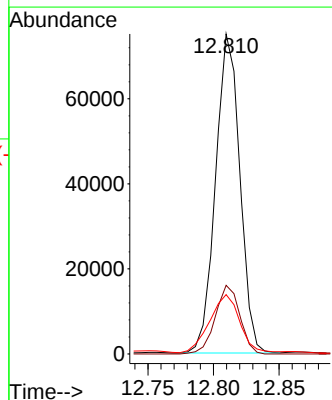
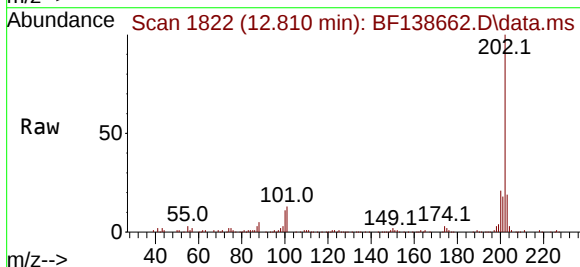
APPROVED

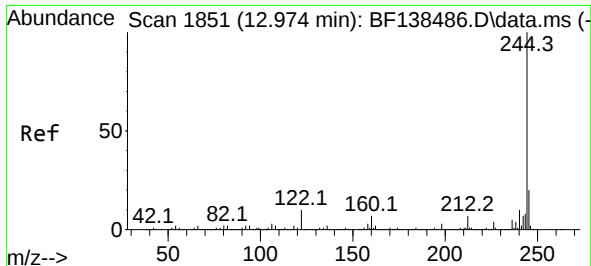
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#78
Pyrene
Concen: 6.774 ng
RT: 12.810 min Scan# 1822
Delta R.T. -0.023 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

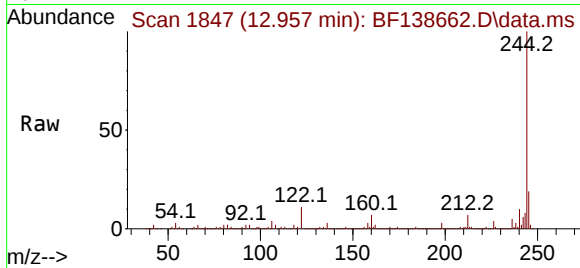
Tgt Ion:202 Resp: 96645
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 18.5 13.7 20.5





#79
Terphenyl-d14
Concen: 78.692 ng
RT: 12.957 min Scan# 1847
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

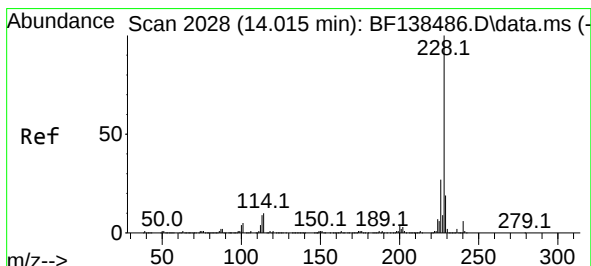
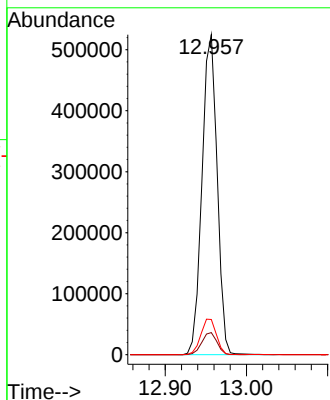
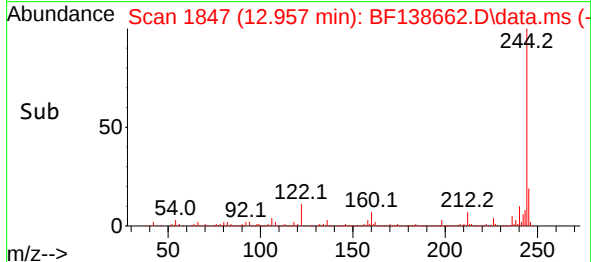
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP



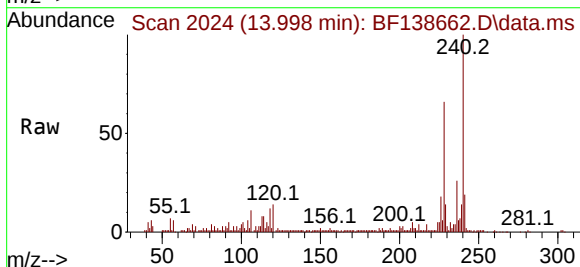
Tgt Ion:244 Resp: 67889
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 11.0 7.8 11.8

Manual Integrations
APPROVED

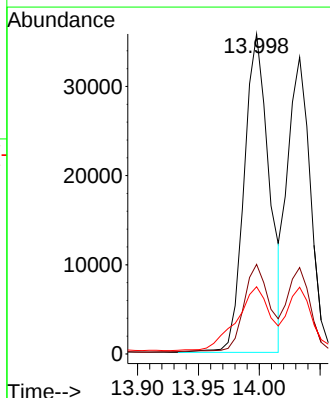
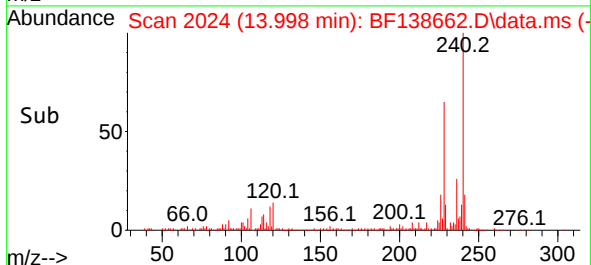
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024

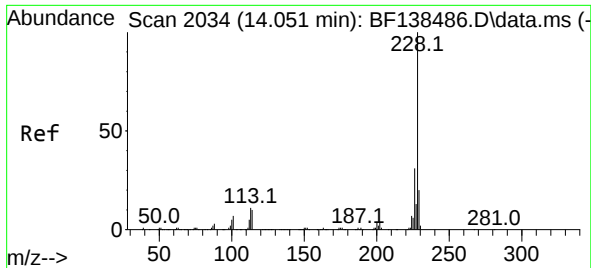


#81
Benzo(a)anthracene
Concen: 5.464 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53



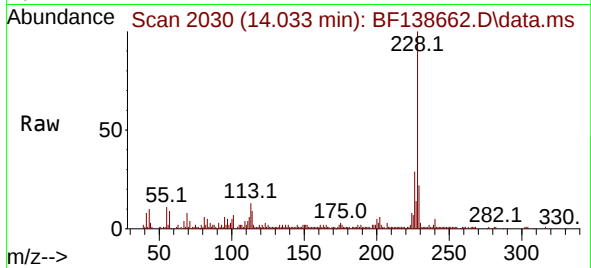
Tgt Ion:228 Resp: 51530
Ion Ratio Lower Upper
228 100
226 28.0 21.9 32.9
229 21.0 15.5 23.3





#83
Chrysene
Concen: 4.821 ng
RT: 14.033 min Scan# 2034
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

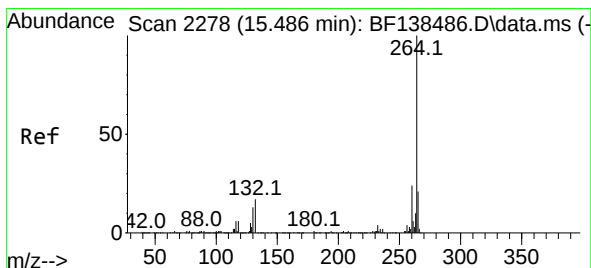
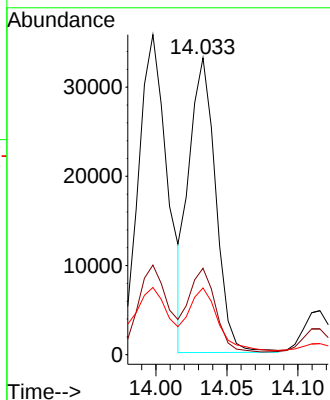
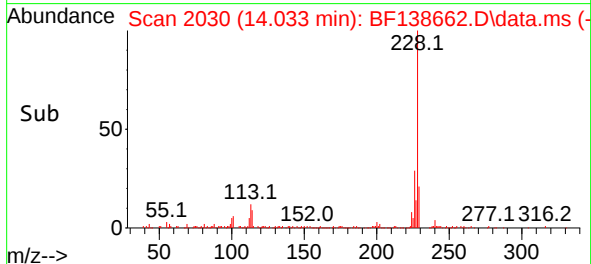
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP



Tgt Ion:228 Resp: 43000
Ion Ratio Lower Upper
228 100
226 29.1 24.4 36.6
229 22.5 16.0 24.0

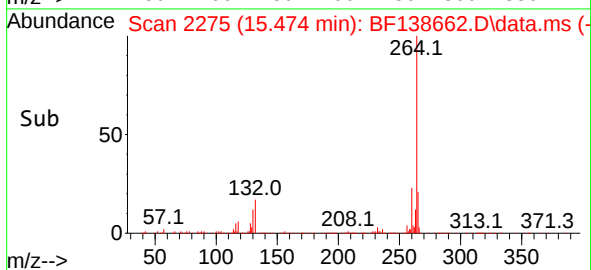
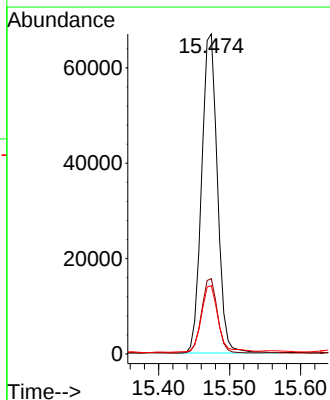
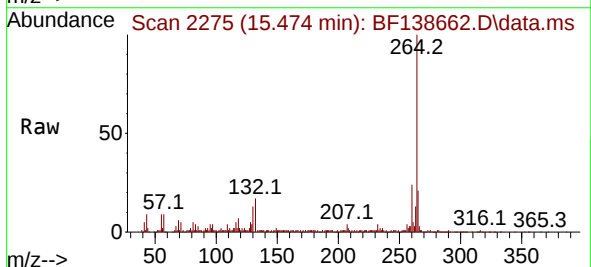
Manual Integrations
APPROVED

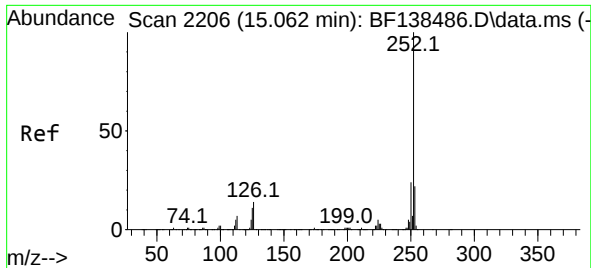
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

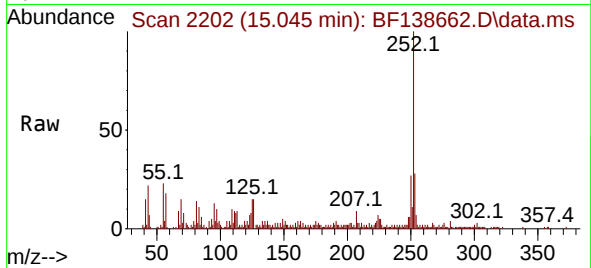
Tgt Ion:264 Resp: 103679
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 21.3 17.0 25.4





#88
Benzo(b)fluoranthene
Concen: 7.318 ng m
RT: 15.045 min Scan# 2205
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

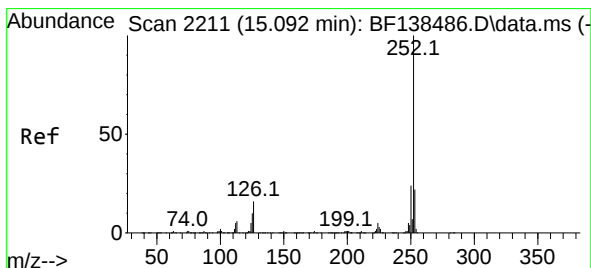
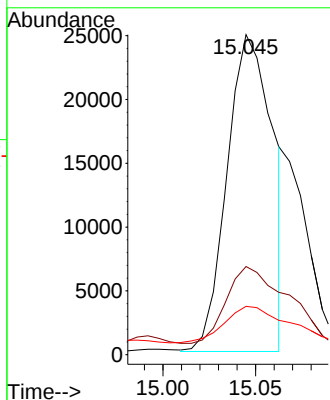
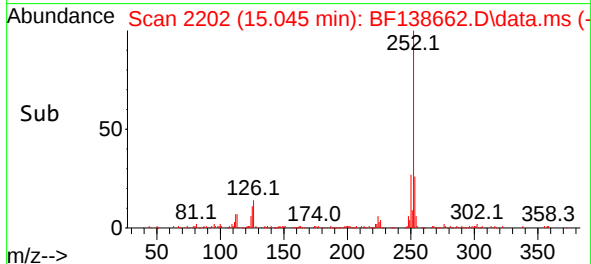
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP



Tgt Ion:252 Resp: 42730
Ion Ratio Lower Upper
252 100
253 27.6 17.3 25.9#
125 15.1 8.6 13.0#

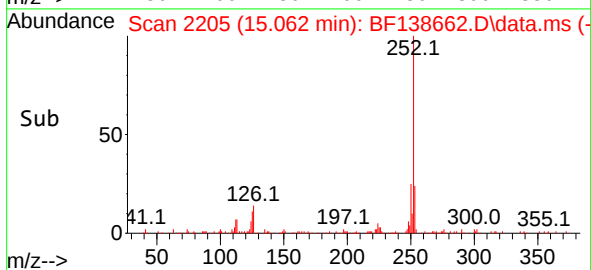
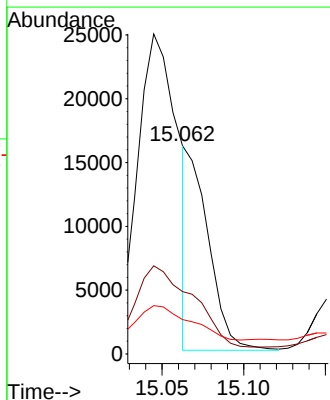
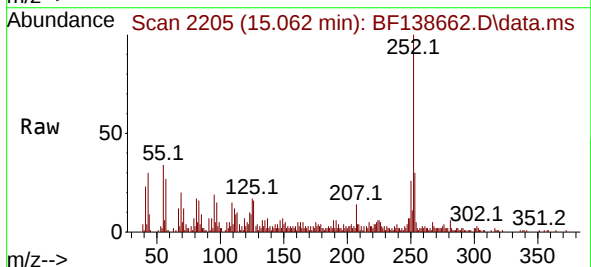
Manual Integrations
APPROVED

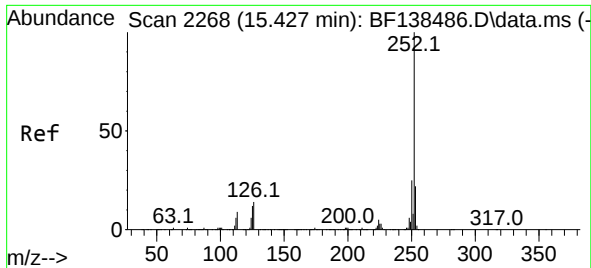
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#89
Benzo(k)fluoranthene
Concen: 2.493 ng m
RT: 15.062 min Scan# 2205
Delta R.T. -0.029 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Tgt Ion:252 Resp: 14198
Ion Ratio Lower Upper
252 100
253 30.0 17.7 26.5#
125 16.5 8.1 12.1#





#90
Benzo(a)pyrene
Concen: 5.132 ng
RT: 15.410 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

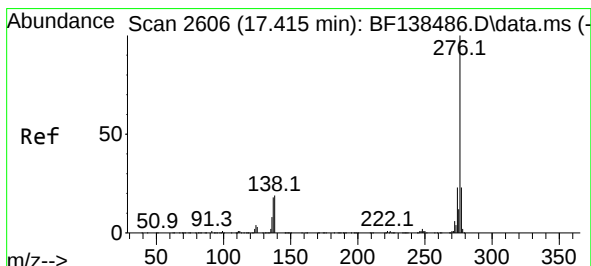
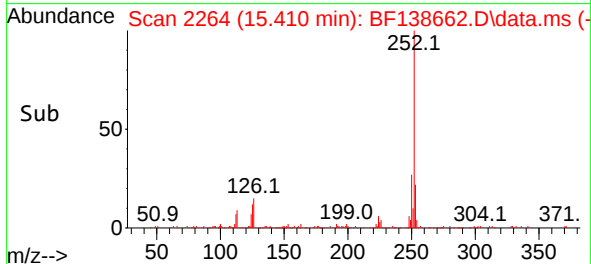
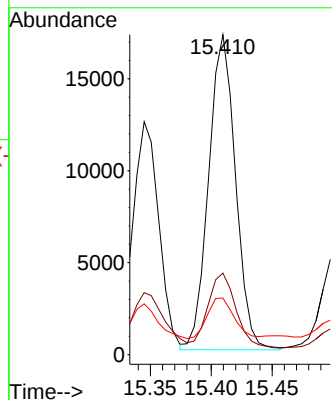
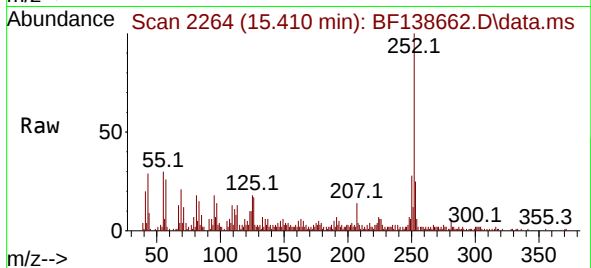
SOIL-COMP

Tgt Ion:252 Resp: 2632
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.0
125 17.7 9.4 14.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#92
Benzo(g,h,i)perylene
Concen: 2.623 ng
RT: 17.374 min Scan# 2598
Delta R.T. -0.041 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Tgt Ion:276 Resp: 15847
Ion Ratio Lower Upper
276 100
277 24.1 18.0 27.0
138 23.3 15.5 23.3

