

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
 Data File : BF138999.D
 Acq On : 14 Aug 2024 17:43
 Operator : RC/JU
 Sample : P3548-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IN-SITU-SOIL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 14 18:12:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	31862	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	120375	20.000	ng	-0.01
39) Acenaphthene-d10	9.863	164	53545	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	71083	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	64025	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	48441	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	150732	73.027	ng	0.00
7) Phenol-d6	6.481	99	217877	78.621	ng	0.00
23) Nitrobenzene-d5	7.398	82	129506	52.600	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	26087	59.477	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	158886	44.584	ng	-0.02
79) Terphenyl-d14	12.933	244	126076	32.969	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	9289	2.538	ng	98
75) Fluoranthene	12.568	202	20873	6.109	ng	97
78) Pyrene	12.798	202	24264	4.025	ng	97
81) Benzo(a)anthracene	13.986	228	14456	3.279	ng	# 95
83) Chrysene	14.021	228	12329	3.100	ng	# 89
88) Benzo(b)fluoranthene	15.039	252	11178m	3.722	ng	
90) Benzo(a)pyrene	15.404	252	8108	3.210	ng	96

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

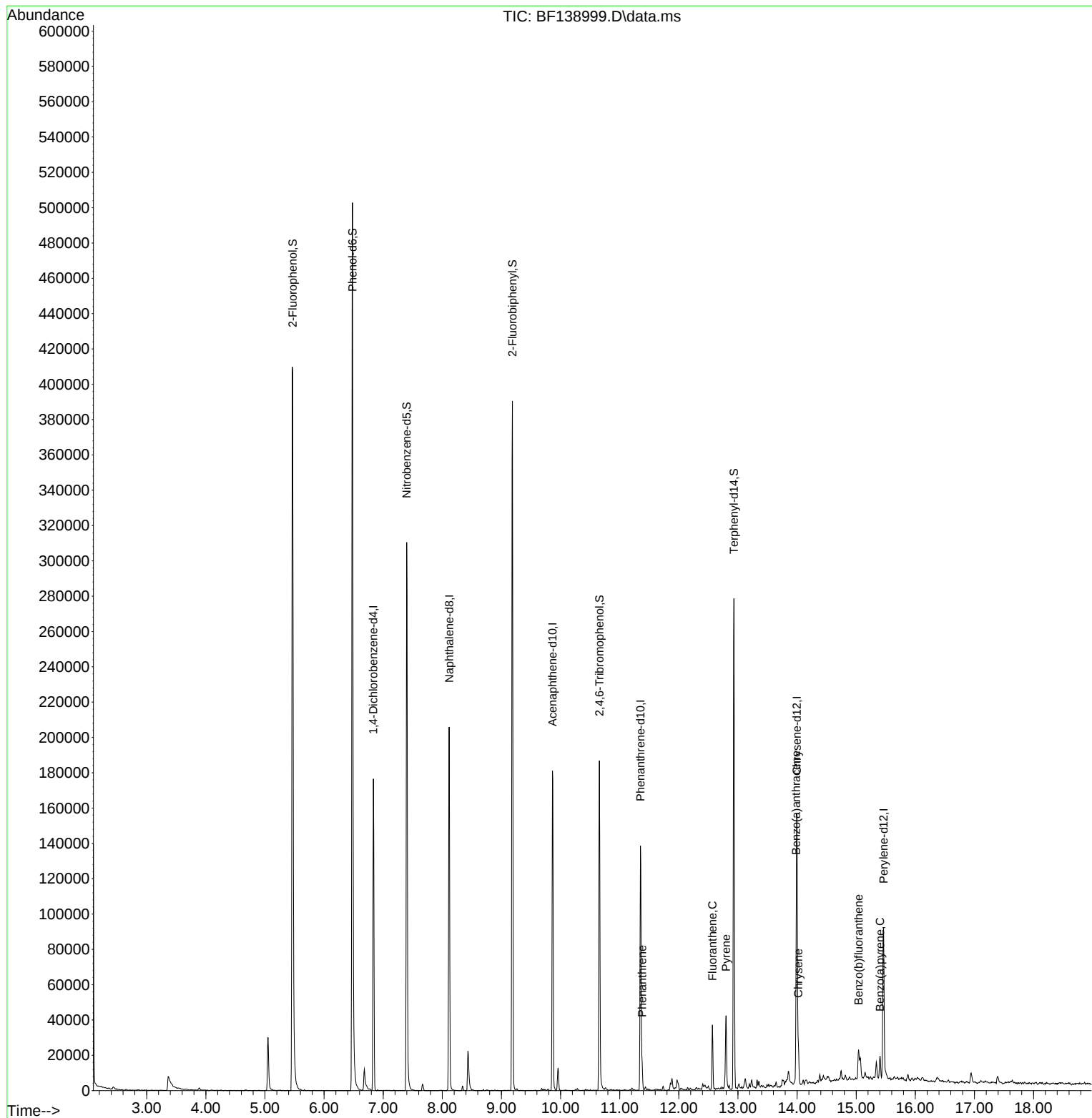
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138999.D
Acq On : 14 Aug 2024 17:43
Operator : RC/JU
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BNA_F
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IN-SITU-SOIL

Quant Time: Aug 14 18:12:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

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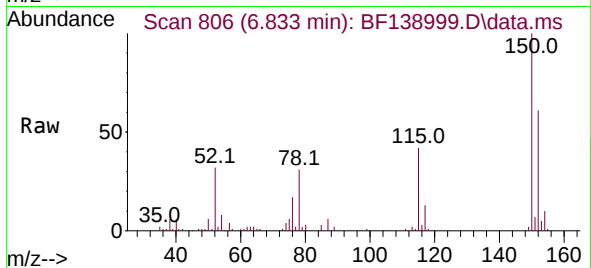
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 808
Delta R.T. -0.012 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOIL



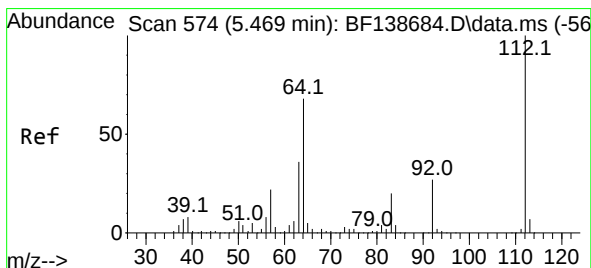
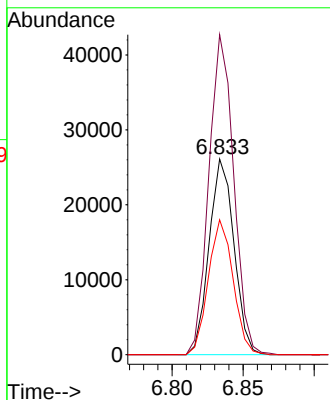
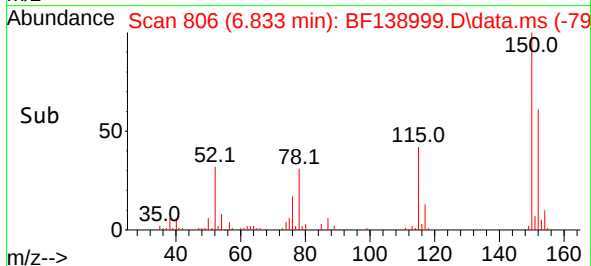
Tgt Ion:152 Resp: 31862
Ion Ratio Lower Upper
152 100
150 163.5 126.0 189.0
115 68.9 51.7 77.5

Manual Integrations

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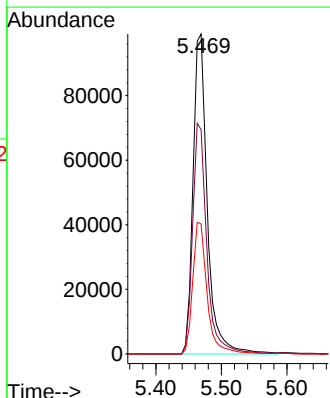
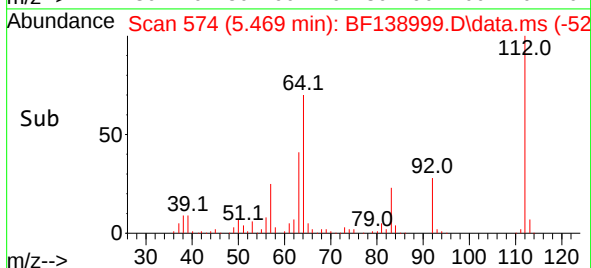
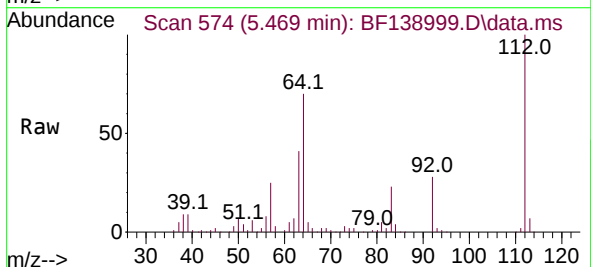
Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#5
2-Fluorophenol
Concen: 73.027 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

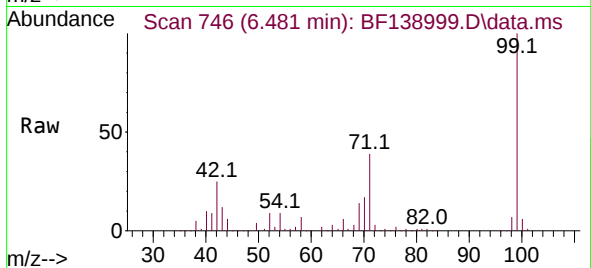
Tgt Ion:112 Resp: 150732
Ion Ratio Lower Upper
112 100
64 70.1 54.2 81.4
63 40.7 28.7 43.1





#7
Phenol-d6
Concen: 78.621 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

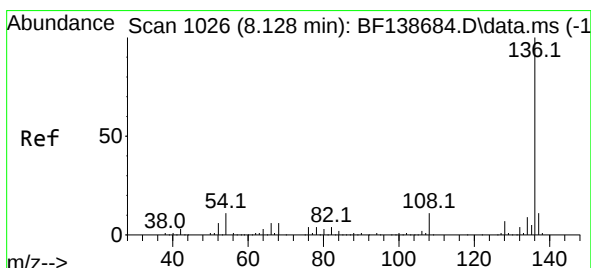
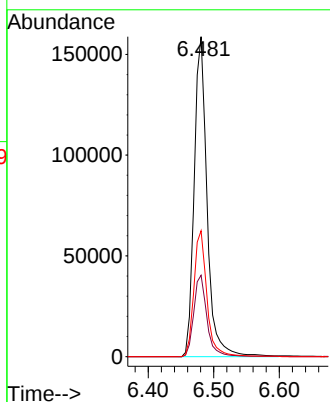
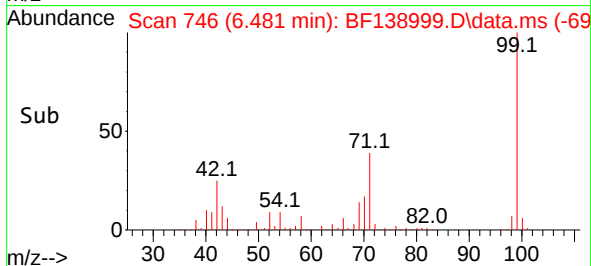
Instrument :
BNA_F
ClientSampleId :
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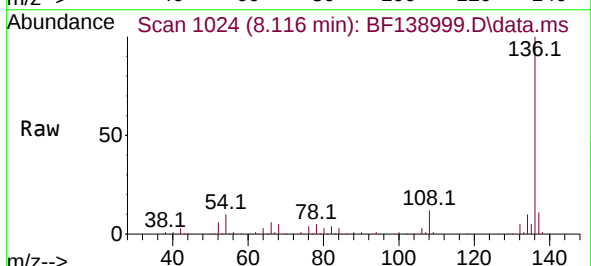
Tgt Ion: 99 Resp: 21787
Ion Ratio Lower Upper
99 100
42 25.4 17.4 26.0
71 39.4 28.1 42.1

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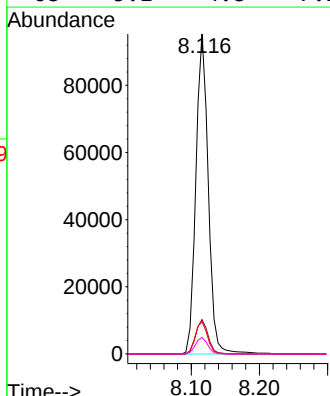
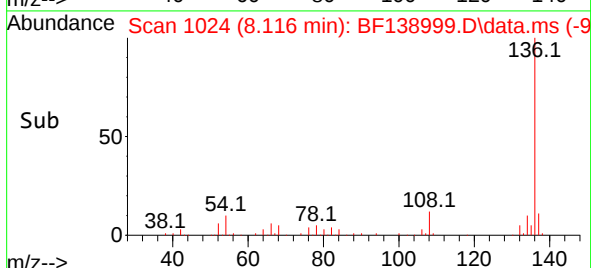
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

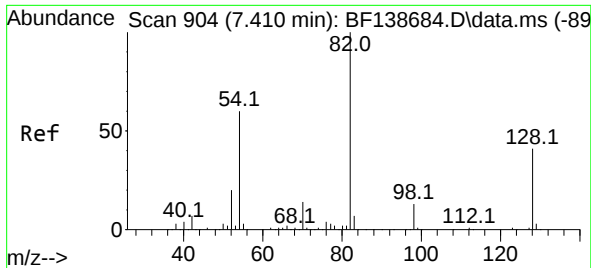


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43



Tgt Ion:136 Resp: 120375
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.1 8.6 12.8
68 5.1 4.8 7.2





#23
Nitrobenzene-d5
Concen: 52.600 ng
RT: 7.398 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

Instrument :

BNA_F

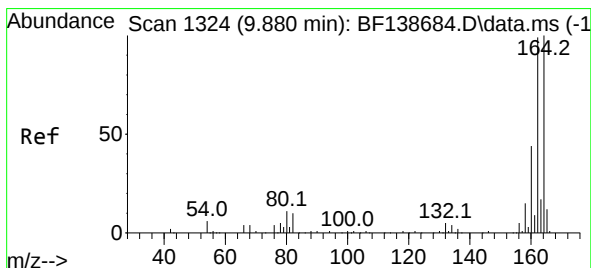
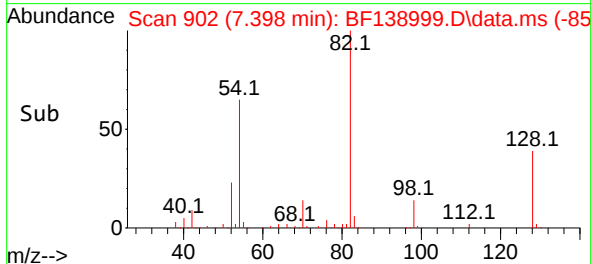
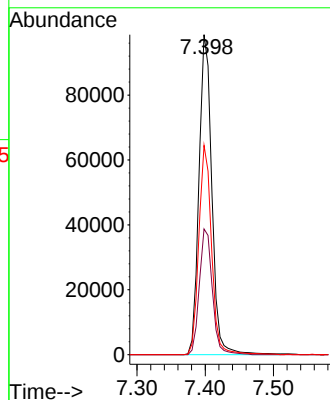
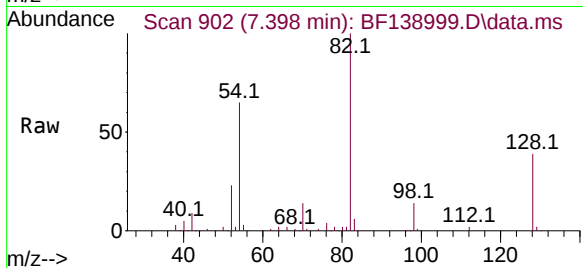
ClientSampleId :

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Tgt Ion: 82 Resp: 129500
Ion Ratio Lower Upper
82 100
128 39.3 32.8 49.2
54 65.4 48.3 72.5

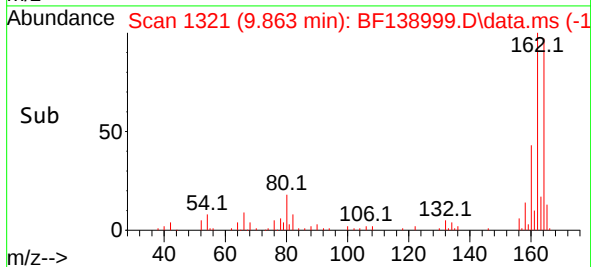
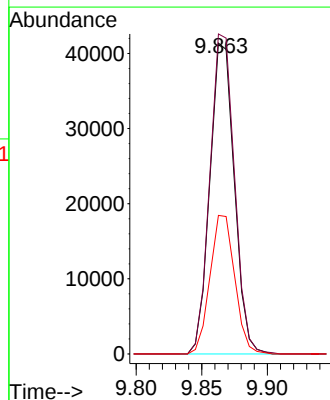
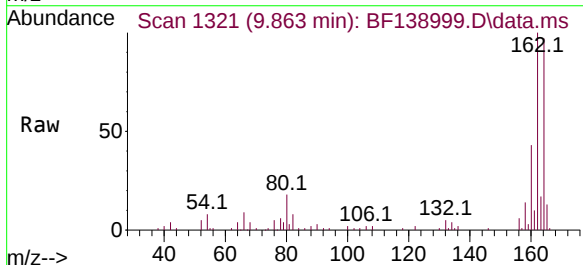
Manual Integrations
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Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

Tgt Ion:164 Resp: 53545
Ion Ratio Lower Upper
164 100
162 102.9 79.4 119.0
160 44.6 35.1 52.7





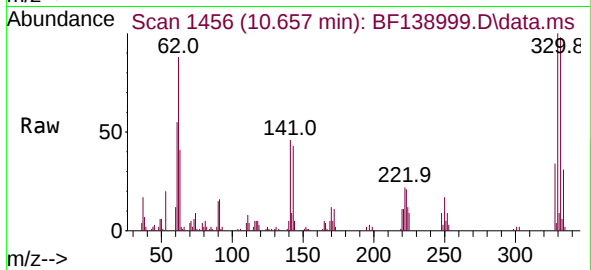
#42
2,4,6-Tribromophenol
Concen: 59.477 ng
RT: 10.657 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

Instrument :

BNA_F

Client Sample Id :

IN-SITU-SOIL



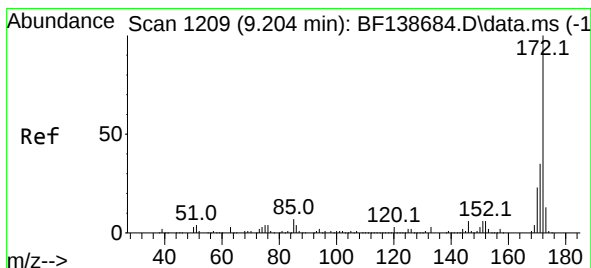
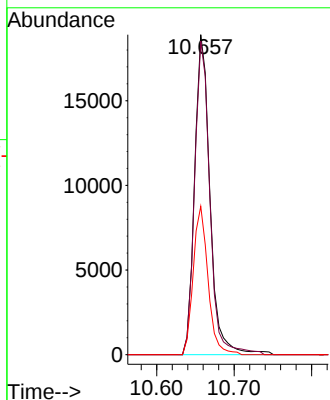
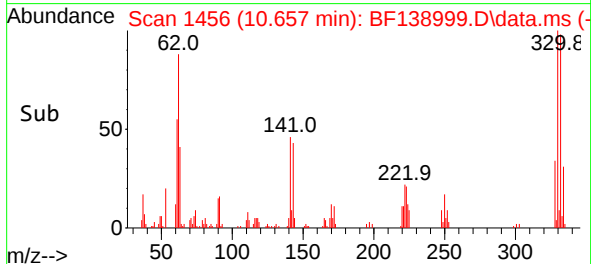
Tgt Ion: 330 Resp: 2608
Ion Ratio Lower Upper
330 100
332 96.9 76.4 114.6
141 44.5 31.1 46.7

Manual Integrations

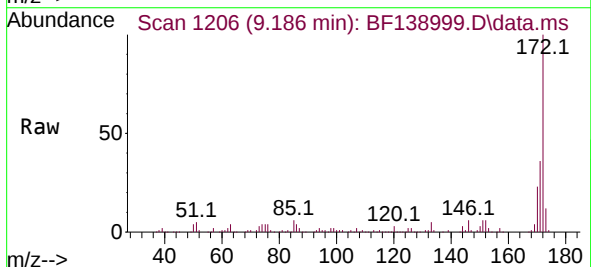
APPROVED

Reviewed By : Yogesh Patel 08/15/2024

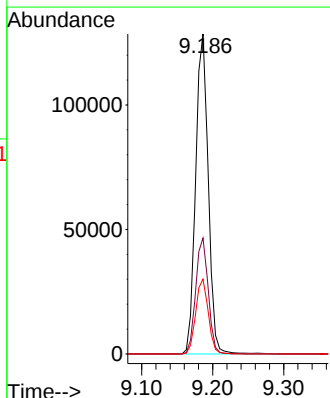
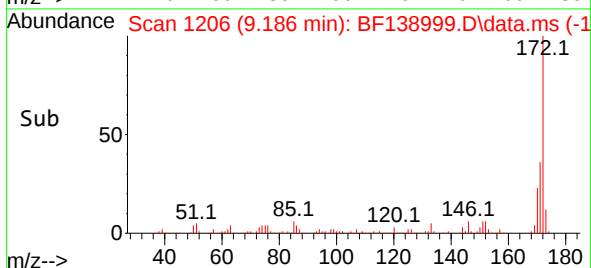
Supervised By : mohammad ahmed 08/16/2024

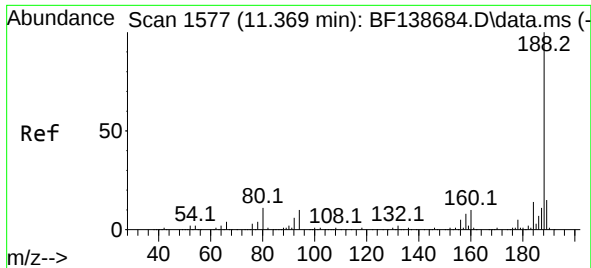


#45
2-Fluorobiphenyl
Concen: 44.584 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43



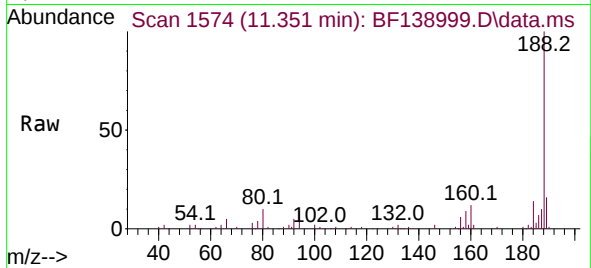
Tgt Ion: 172 Resp: 158886
Ion Ratio Lower Upper
172 100
171 36.3 28.3 42.5
170 23.4 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

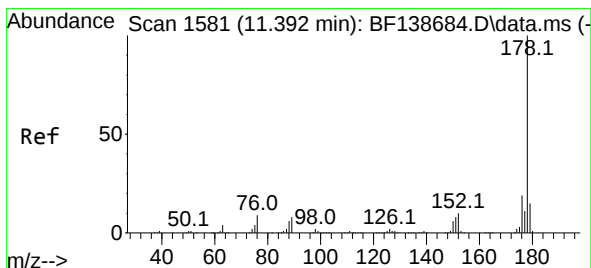
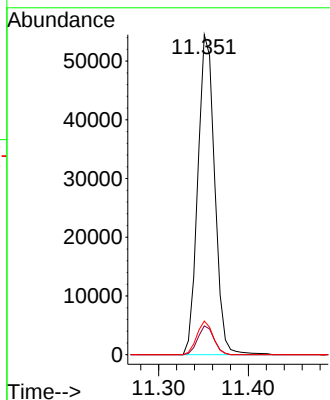
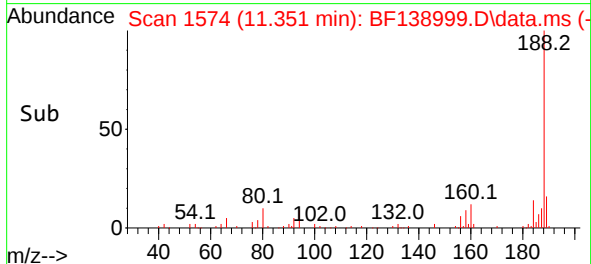
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOIL



Tgt Ion:188 Resp: 7108
Ion Ratio Lower Upper
188 100
94 9.0 7.6 11.4
80 10.5 8.6 12.8

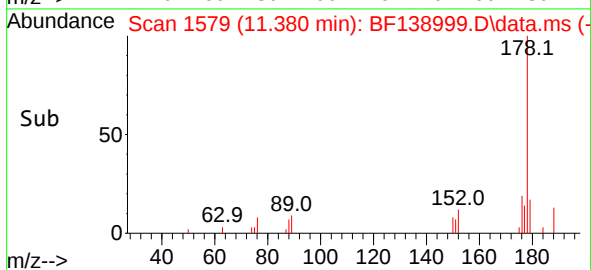
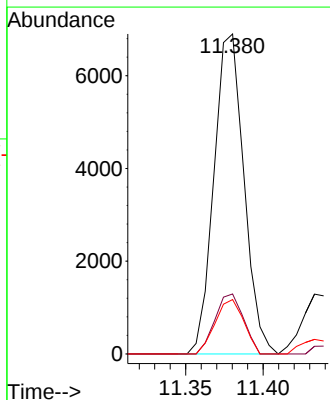
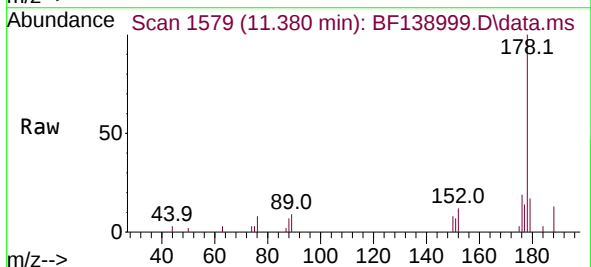
Manual Integrations
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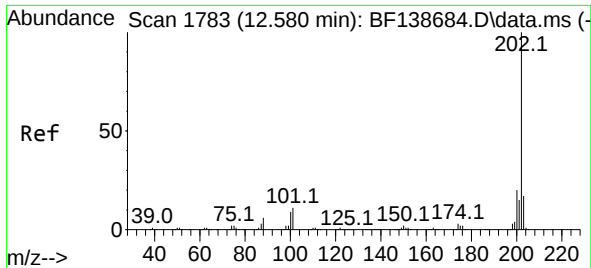
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#71
Phenanthrene
Concen: 2.538 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

Tgt Ion:178 Resp: 9289
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 17.0 12.2 18.2





#75
Fluoranthene
Concen: 6.109 ng
RT: 12.568 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

Instrument :

BNA_F

ClientSampleId :

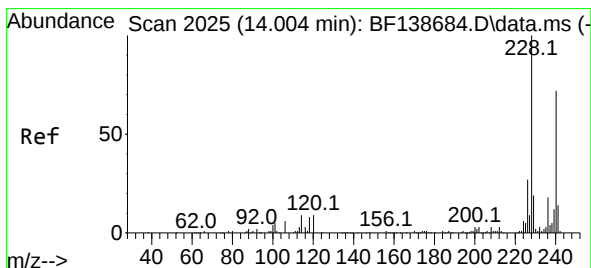
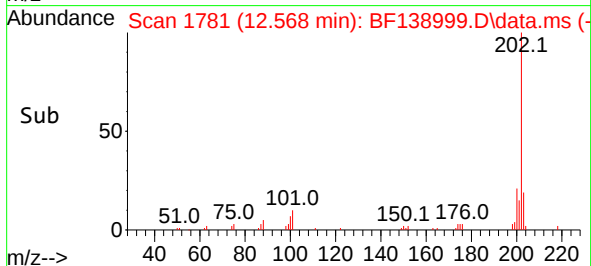
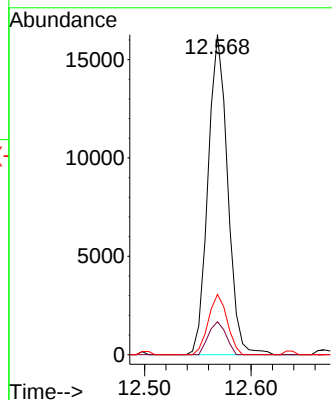
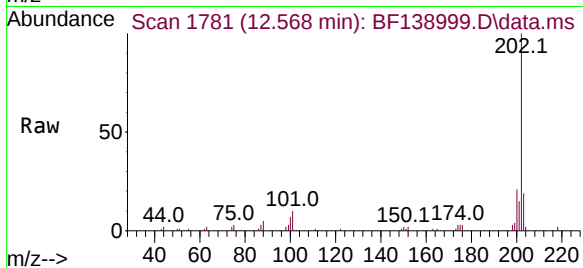
IN-SITU-SOIL

Tgt Ion:202 Resp: 2087
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.2
203 18.8 0.0 37.3

Manual Integrations

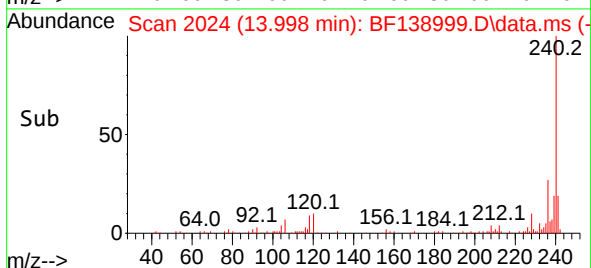
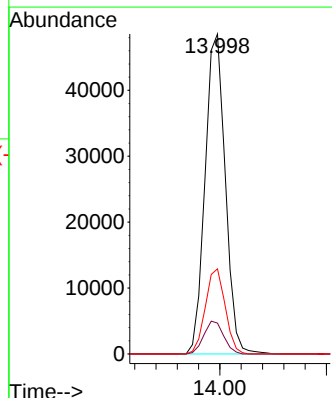
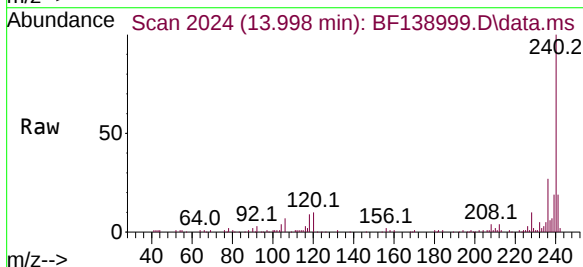
APPROVED

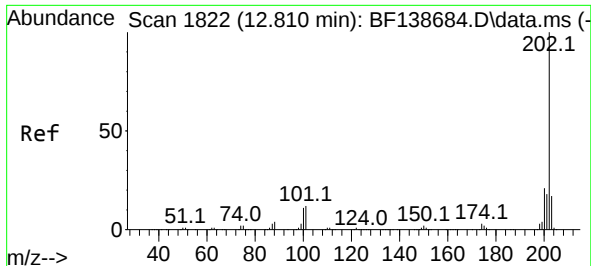
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

Tgt Ion:240 Resp: 64025
Ion Ratio Lower Upper
240 100
120 9.6 10.2 15.4#
236 26.6 19.8 29.8





#78
Pyrene
Concen: 4.025 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

Instrument :

BNA_F

ClientSampleId :

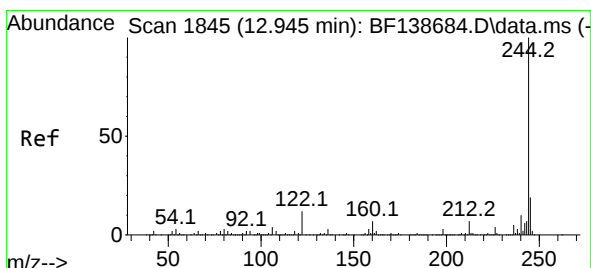
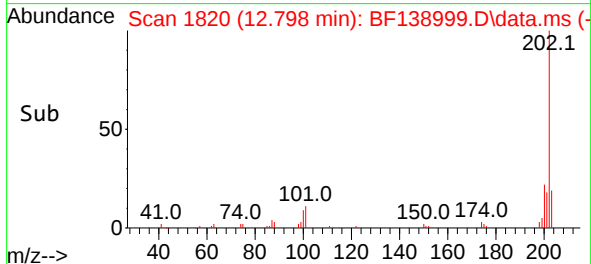
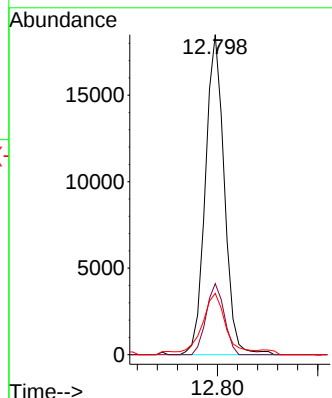
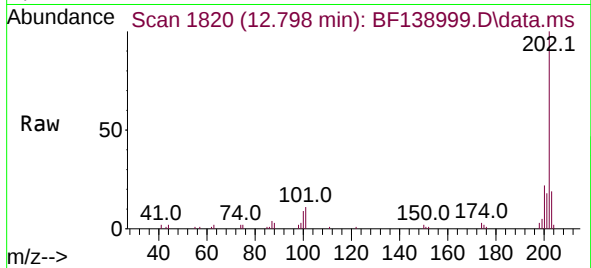
IN-SITU-SOIL

Tgt Ion:202 Resp: 24264
Ion Ratio Lower Upper
202 100
200 22.2 16.8 25.2
203 19.1 13.8 20.6

Manual Integrations

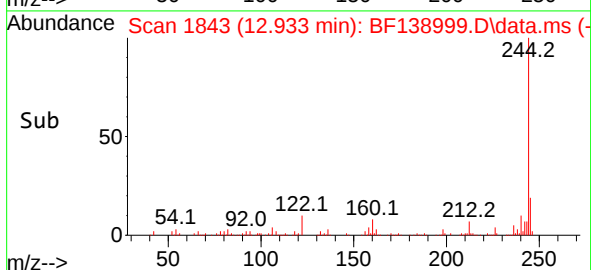
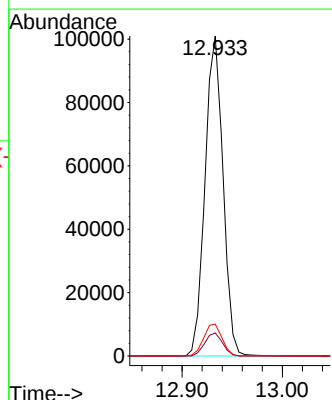
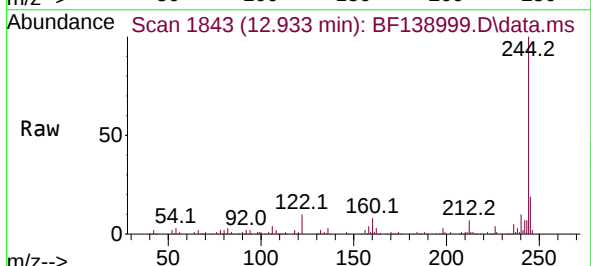
APPROVED

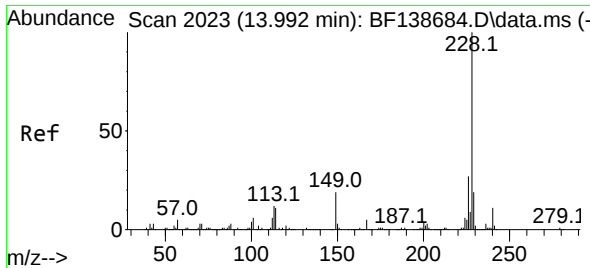
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#79
Terphenyl-d14
Concen: 32.969 ng
RT: 12.933 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

Tgt Ion:244 Resp: 126076
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 9.9 9.6 14.4





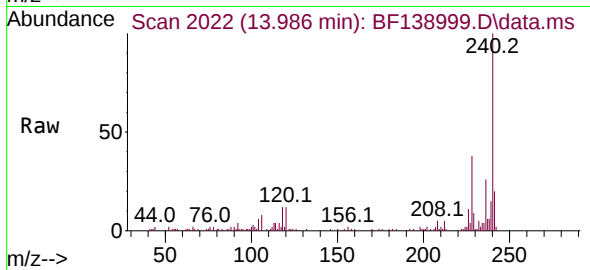
#81
Benzo(a)anthracene
Concen: 3.279 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOIL

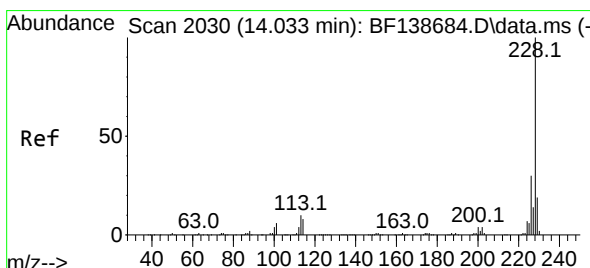
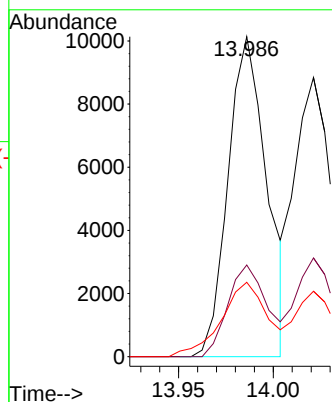
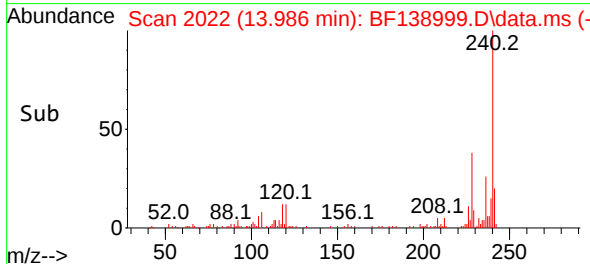


Tgt Ion:228 Resp: 14450
Ion Ratio Lower Upper
228 100
226 28.7 22.1 33.1
229 23.2 15.4 23.0

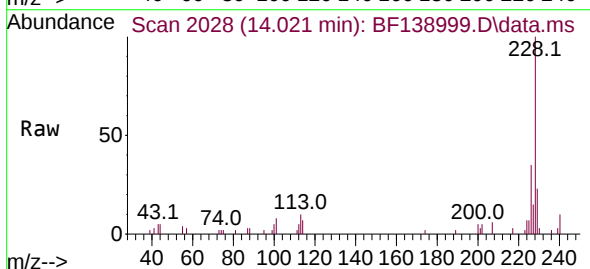
Manual Integrations

APPROVED

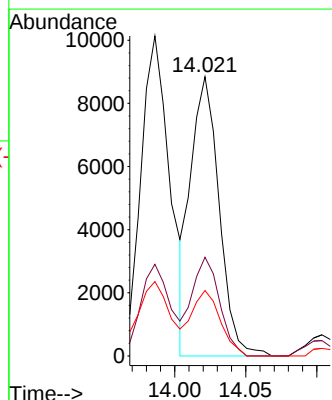
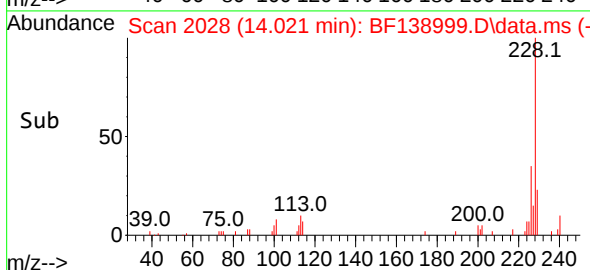
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

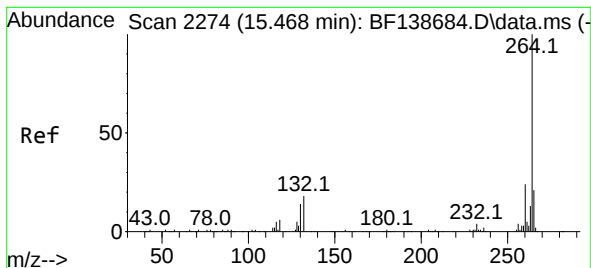


#83
Chrysene
Concen: 3.100 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43



Tgt Ion:228 Resp: 12329
Ion Ratio Lower Upper
228 100
226 35.4 23.7 35.5
229 23.5 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138999.D

Acq: 14 Aug 2024 17:43

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOIL

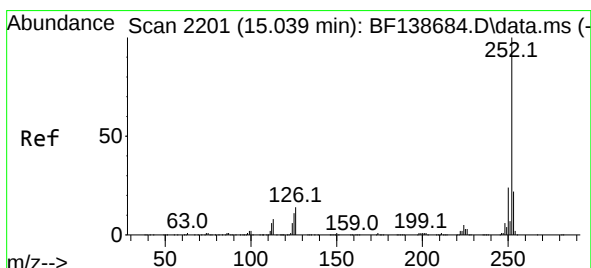
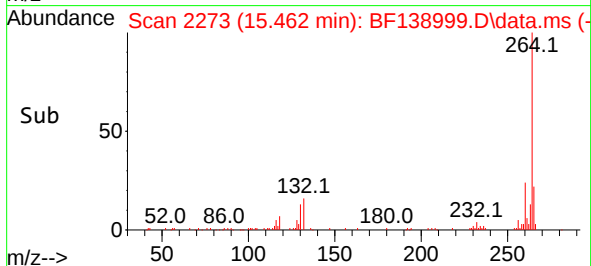
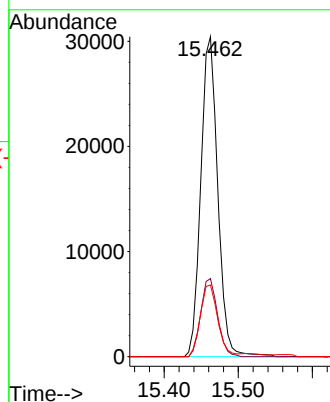
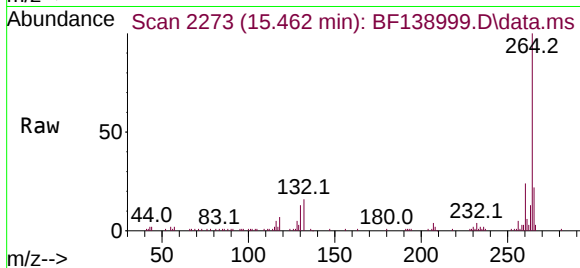
Tgt Ion:264	Resp:	4844
Ion Ratio	Lower	Upper
264	100	
260	24.4	19.0 28.6
265	22.4	17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#88

Benzo(b)fluoranthene

Concen: 3.722 ng m

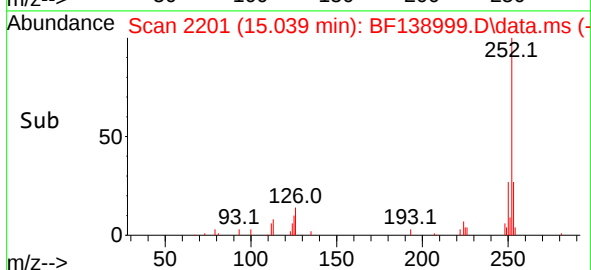
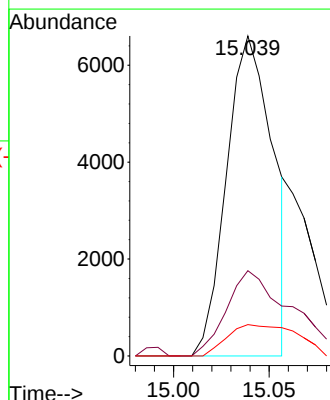
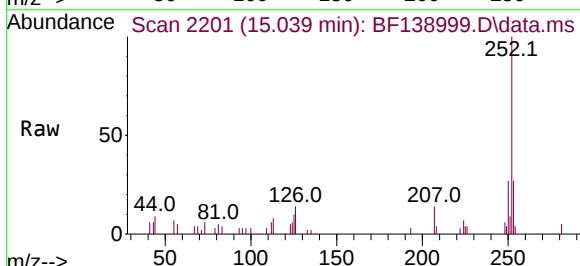
RT: 15.039 min Scan# 2201

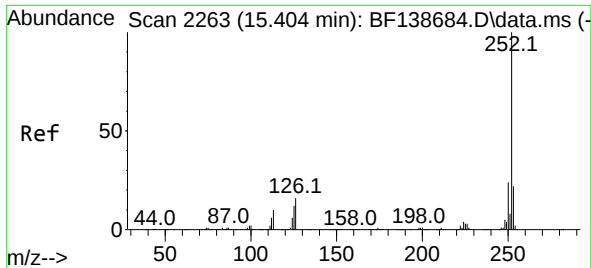
Delta R.T. -0.000 min

Lab File: BF138999.D

Acq: 14 Aug 2024 17:43

Tgt Ion:252	Resp:	11178
Ion Ratio	Lower	Upper
252	100	
253	26.7	17.5 26.3#
125	9.8	8.9 13.3





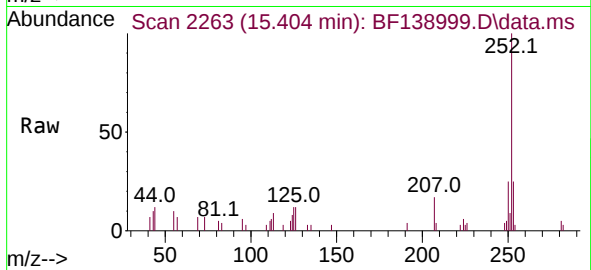
#90
Benzo(a)pyrene
Concen: 3.210 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138999.D
Acq: 14 Aug 2024 17:43

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOIL



Tgt Ion:252 Resp: 810
Ion Ratio Lower Upper
252 100
253 24.5 17.3 25.9
125 11.7 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024

