

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140514.D
 Acq On : 20 Nov 2024 21:47
 Operator : RC/JU
 Sample : P4822-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5

Manual Integrations
 APPROVED

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

Quant Time: Nov 21 00:08:57 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	107776	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	358604	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	160401	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	277554	20.000	ng	0.00
76) Chrysene-d12	14.045	240	237366	20.000	ng	0.00
86) Perylene-d12	15.527	264	185982	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	493240	78.139	ng	0.01
7) Phenol-d6	6.510	99	600728	70.242	ng	0.00
23) Nitrobenzene-d5	7.434	82	379536	55.144	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	120023	75.247	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	660647	66.210	ng	0.00
79) Terphenyl-d14	12.980	244	681030	49.802	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.616	202	76786	5.249	ng	99
78) Pyrene	12.845	202	70519	3.473	ng	99
81) Benzo(a)anthracene	14.033	228	54516	3.495	ng	97
83) Chrysene	14.068	228	44675	3.139	ng	97
88) Benzo(b)fluoranthene	15.092	252	48096m	3.953	ng	
90) Benzo(a)pyrene	15.462	252	26849	2.842	ng	# 89

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

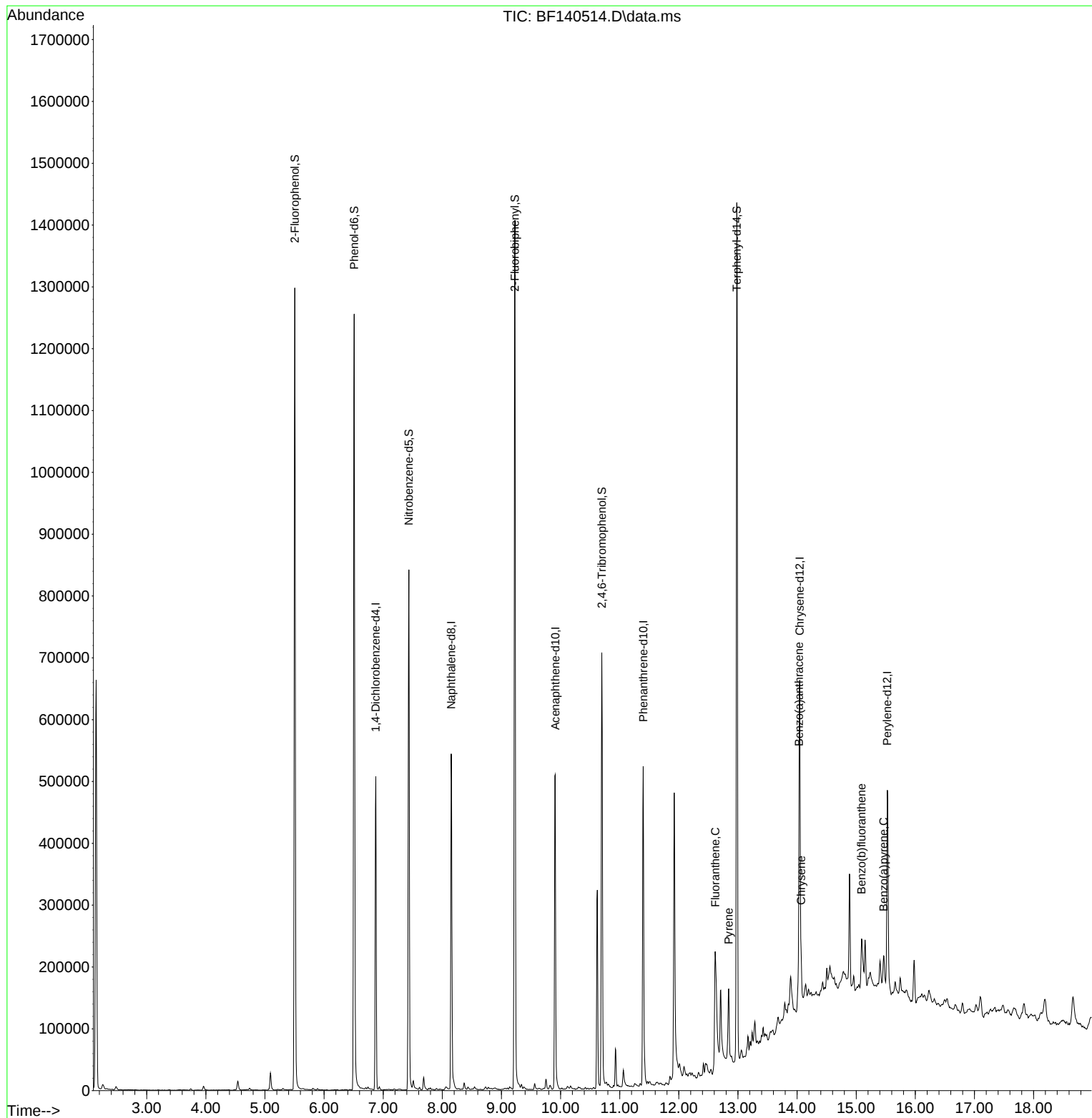
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140514.D
Acq On : 20 Nov 2024 21:47
Operator : RC/JU
Sample : P4822-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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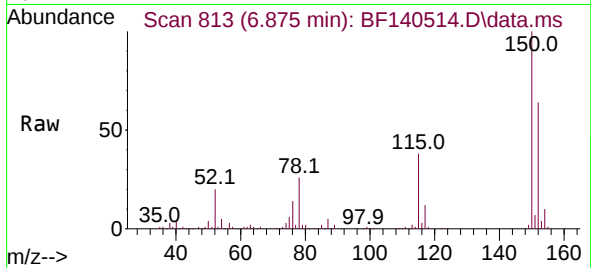
Quant Time: Nov 21 00:08:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

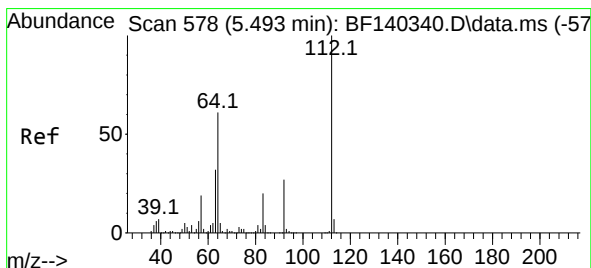
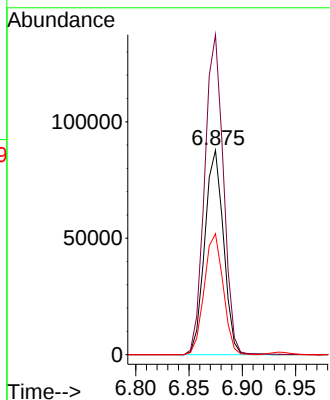
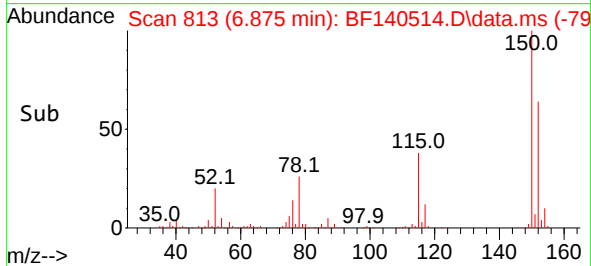
Instrument :
BNA_F
ClientSampleId :
SOIL-5



Tgt Ion:152 Resp: 107770
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.0
115 59.2 47.4 71.2

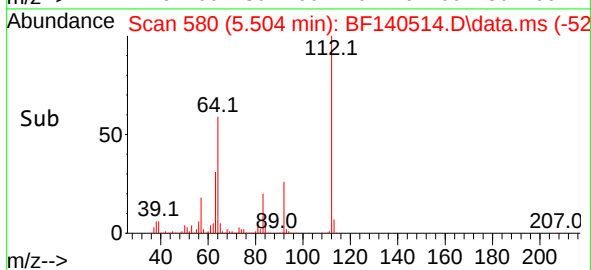
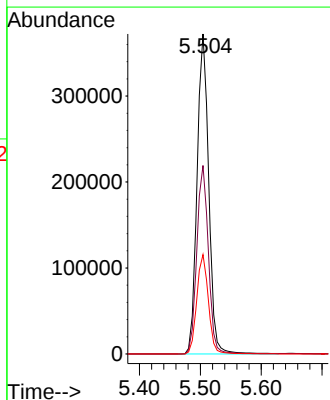
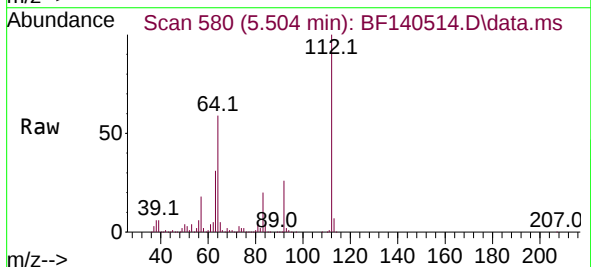
Manual Integrations
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#5
2-Fluorophenol
Concen: 78.139 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

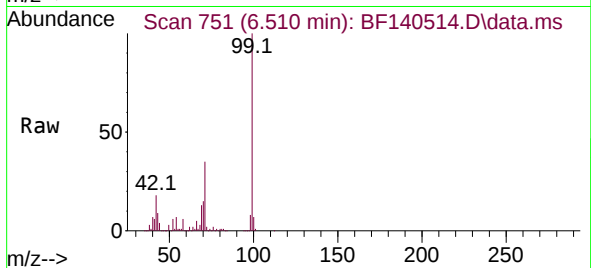
Tgt Ion:112 Resp: 493240
Ion Ratio Lower Upper
112 100
64 58.9 49.2 73.8
63 31.0 25.6 38.4





#7
Phenol-d6
Concen: 70.242 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

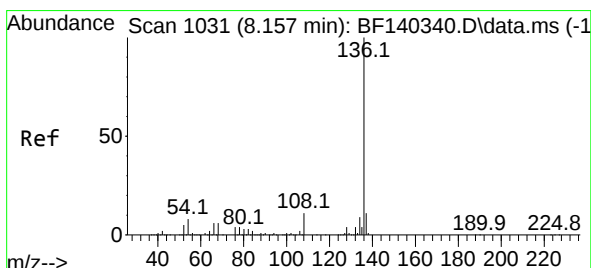
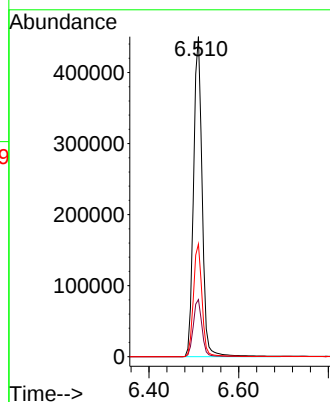
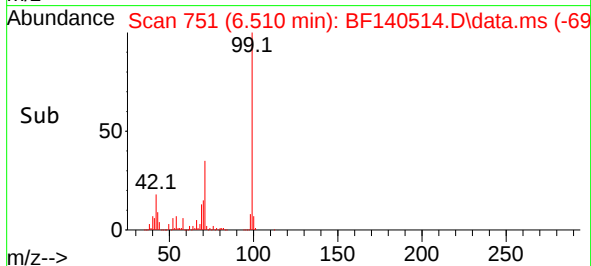
Instrument :
BNA_F
ClientSampleId :
SOIL-5



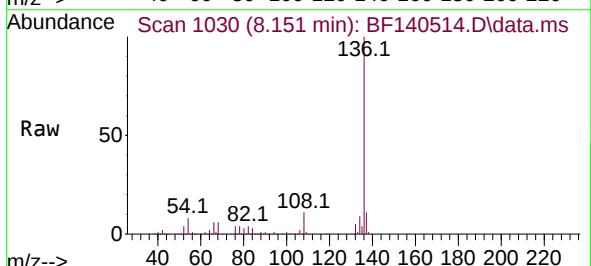
Tgt Ion: 99 Resp: 600728
Ion Ratio Lower Upper
99 100
42 17.8 15.1 22.7
71 35.2 27.9 41.9

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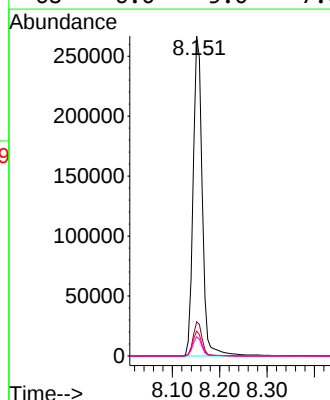
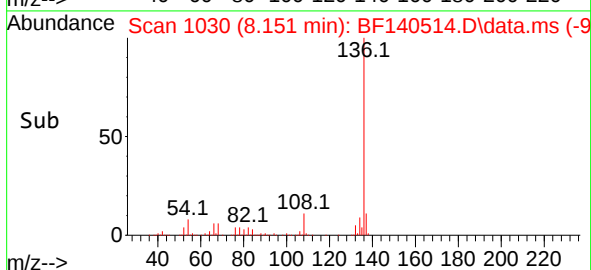
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

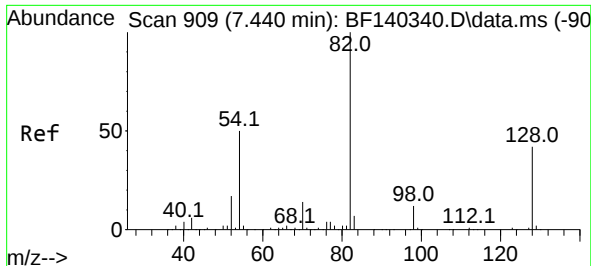


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47



Tgt Ion:136 Resp: 358604
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.8 6.5 9.7
68 6.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 55.144 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

ClientSampleId :

SOIL-5

Tgt Ion: 82 Resp: 379536

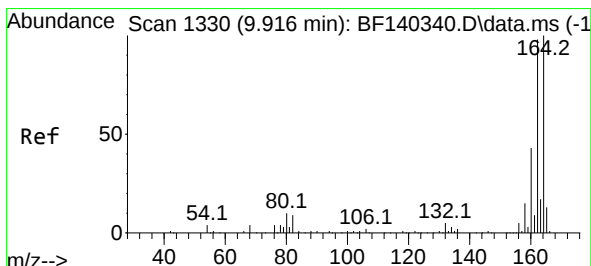
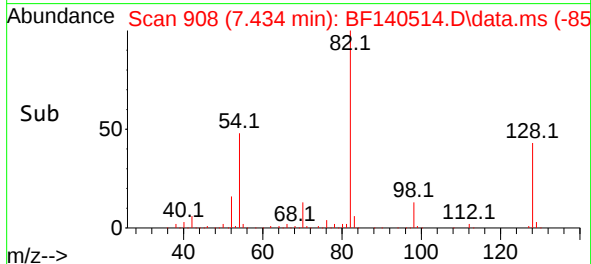
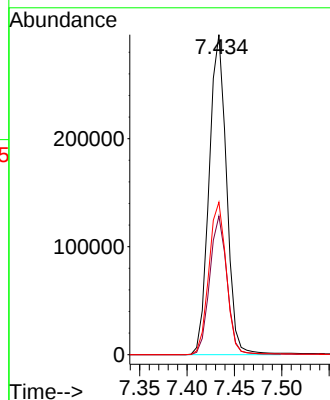
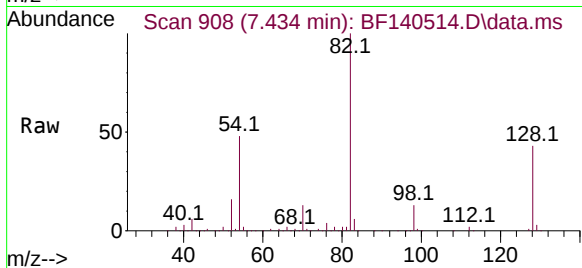
Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.3	49.9
54	47.7	39.8	59.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

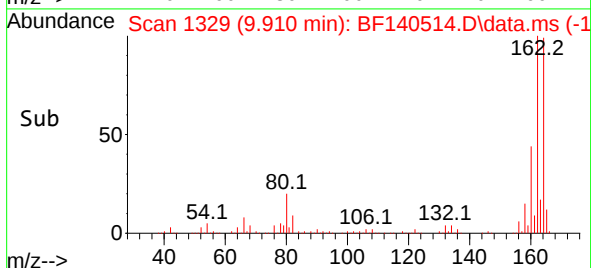
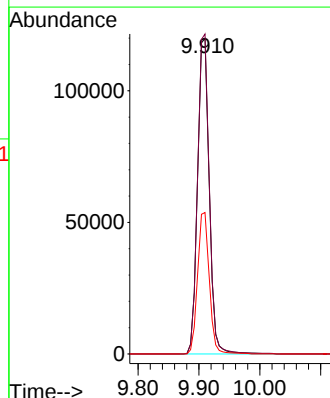
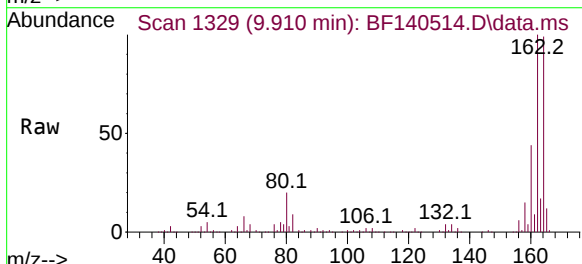
Delta R.T. -0.006 min

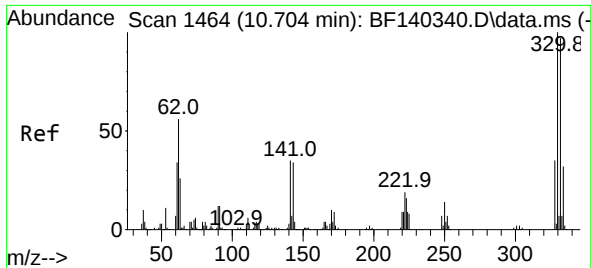
Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Tgt Ion:164 Resp: 160401

Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.8	119.8
160	44.8	35.4	53.0





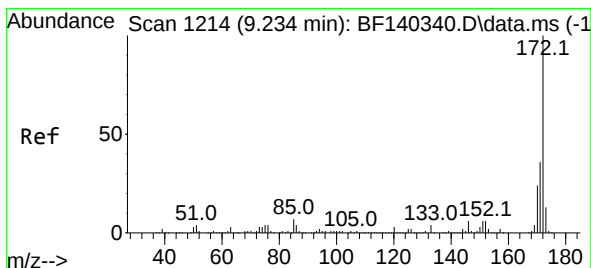
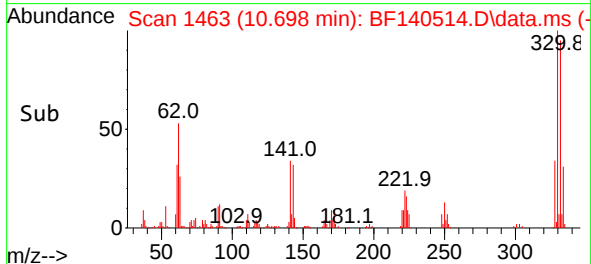
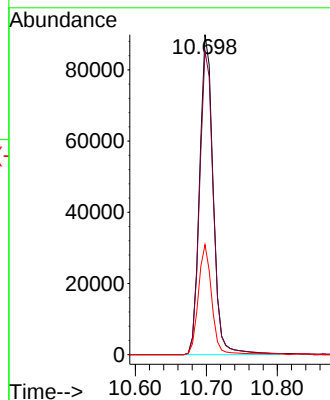
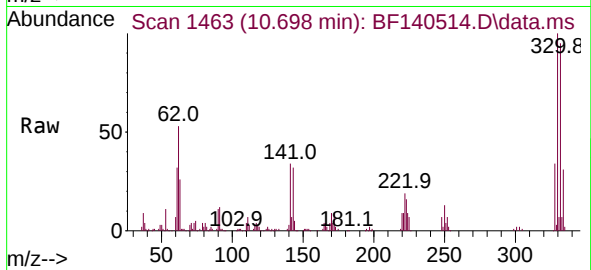
#42
2,4,6-Tribromophenol
Concen: 75.247 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Instrument :
BNA_F
ClientSampleId :
SOIL-5

Tgt Ion:330 Resp: 12002
Ion Ratio Lower Upper
330 100
332 96.5 75.9 113.9
141 33.7 26.9 40.3

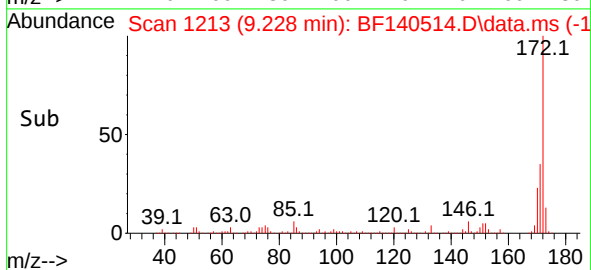
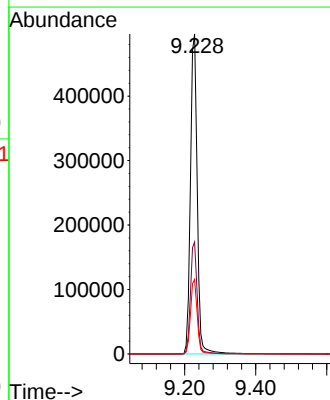
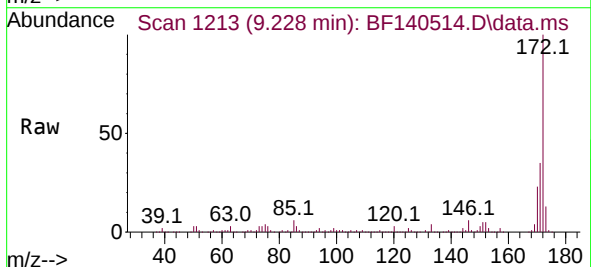
Manual Integrations
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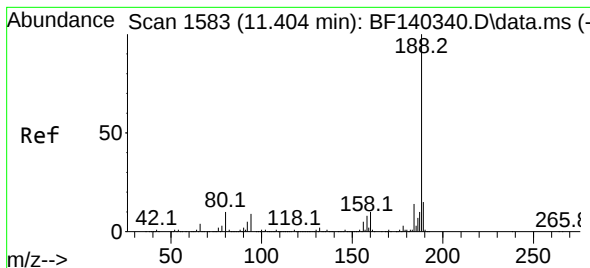
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#45
2-Fluorobiphenyl
Concen: 66.210 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Tgt Ion:172 Resp: 660647
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.3 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: BF140514.D

Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

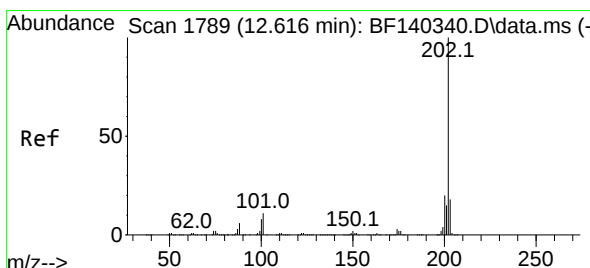
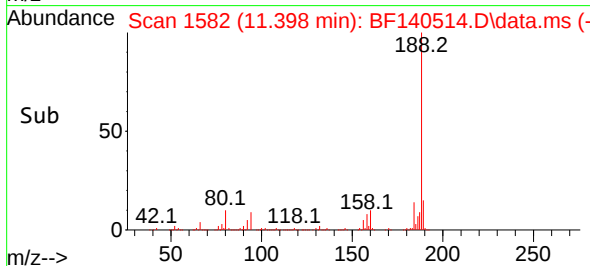
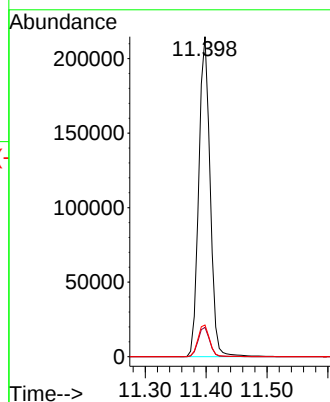
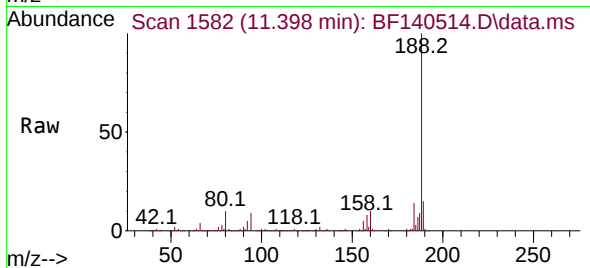
ClientSampleId :

SOIL-5

Tgt Ion:188 Resp: 277554
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.6 11.4
 80 9.9 8.0 12.0

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



#75

Fluoranthene

Concen: 5.249 ng

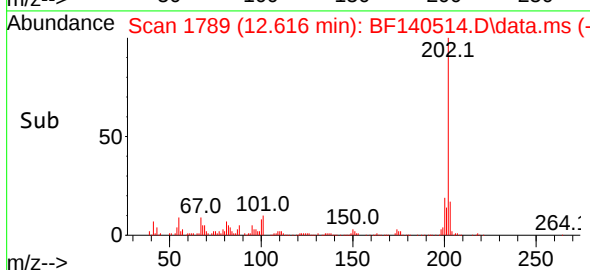
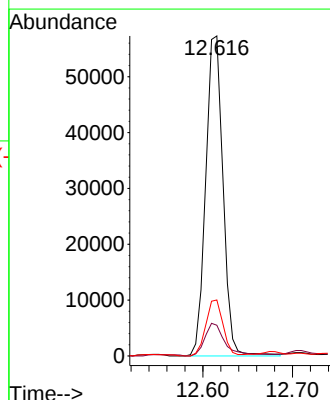
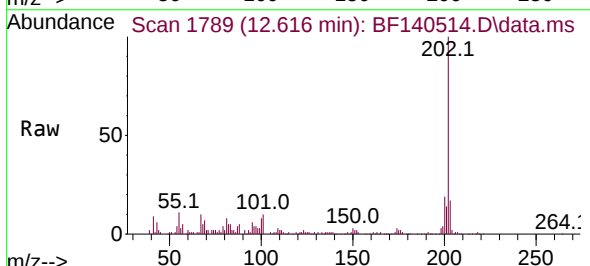
RT: 12.616 min Scan# 1789

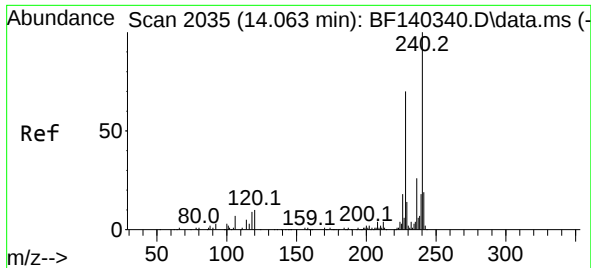
Delta R.T. -0.000 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

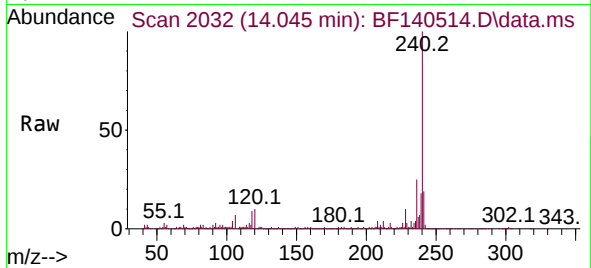
Tgt Ion:202 Resp: 76786
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 30.7
 203 17.5 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

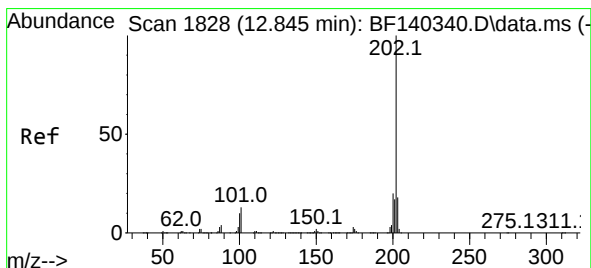
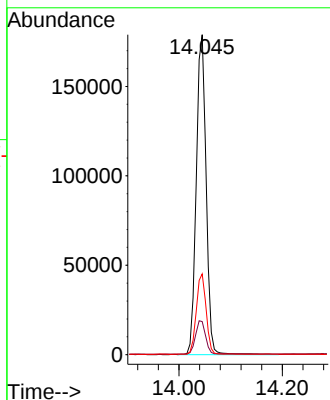
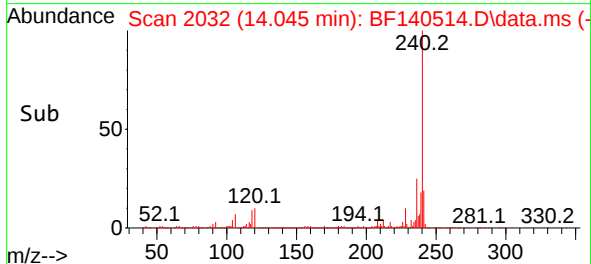
Instrument :
BNA_F
ClientSampleId :
SOIL-5



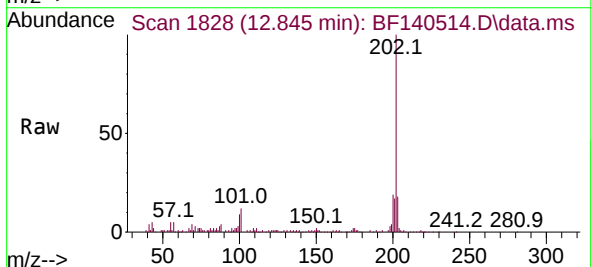
Tgt Ion:240 Resp: 237360
Ion Ratio Lower Upper
240 100
120 10.3 8.8 13.2
236 25.3 20.9 31.3

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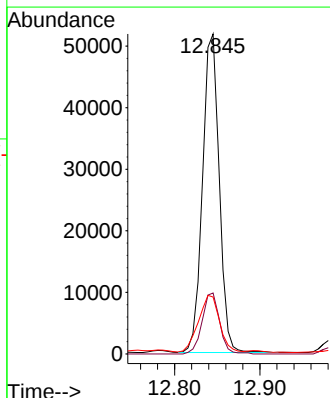
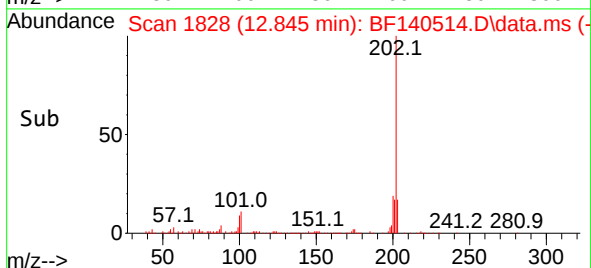
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

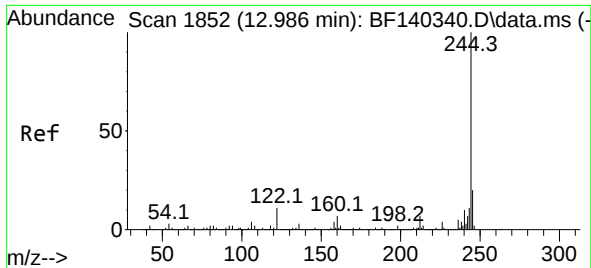


#78
Pyrene
Concen: 3.473 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47



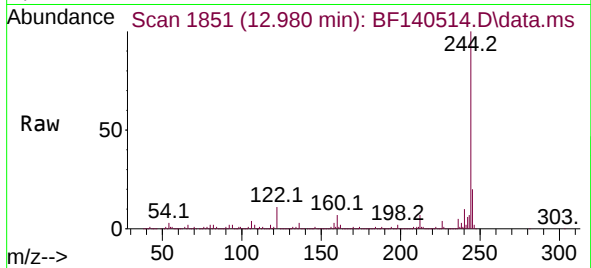
Tgt Ion:202 Resp: 70519
Ion Ratio Lower Upper
202 100
200 19.1 16.2 24.2
203 17.8 14.2 21.4





#79
 Terphenyl-d14
 Concen: 49.802 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF140514.D
 Acq: 20 Nov 2024 21:47

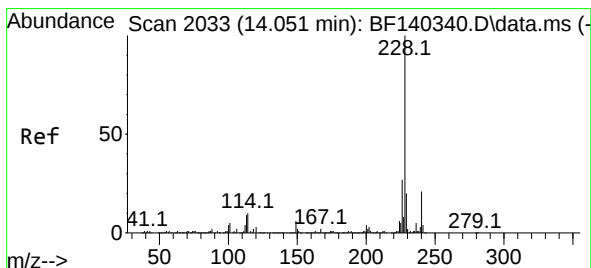
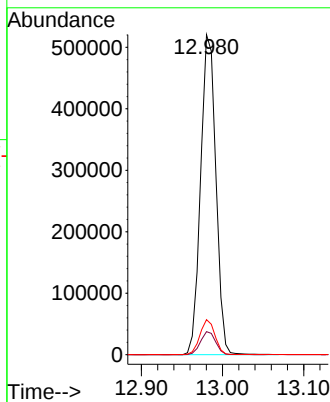
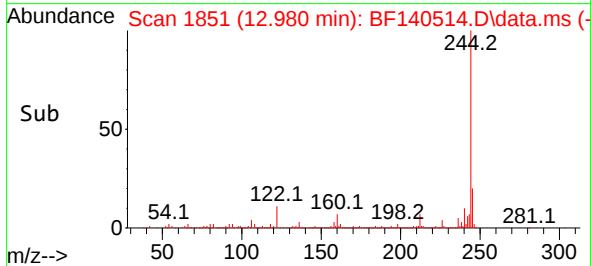
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5



Tgt Ion:244 Resp: 681030
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 10.9 8.8 13.2

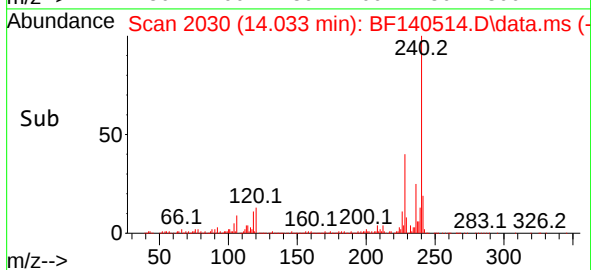
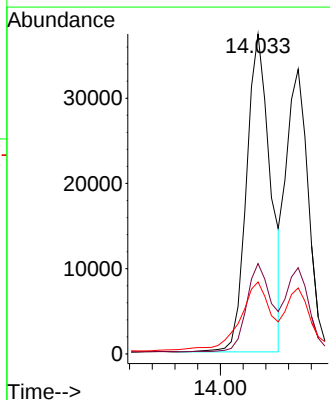
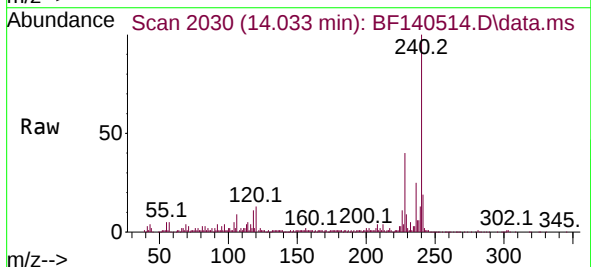
Manual Integrations
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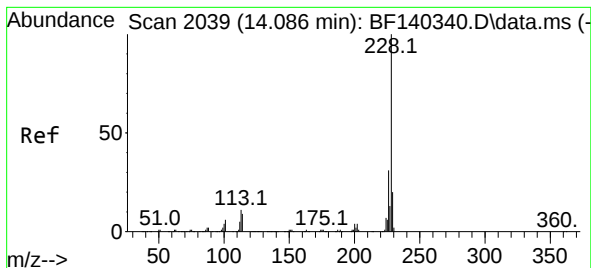
Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024



#81
 Benzo(a)anthracene
 Concen: 3.495 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140514.D
 Acq: 20 Nov 2024 21:47

Tgt Ion:228 Resp: 54516
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.2 33.4
 229 22.5 15.8 23.6





#83

Chrysene

Concen: 3.139 ng

RT: 14.068 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

ClientSampleId :

SOIL-5

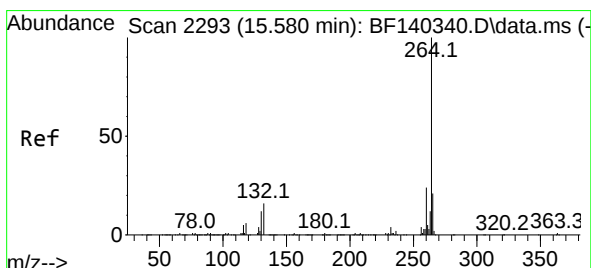
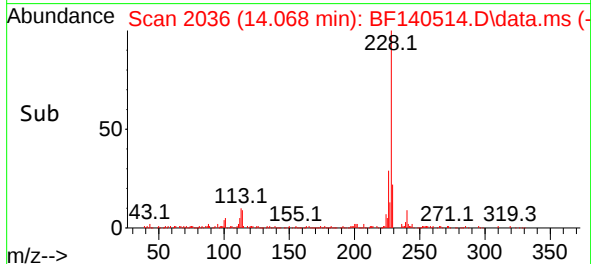
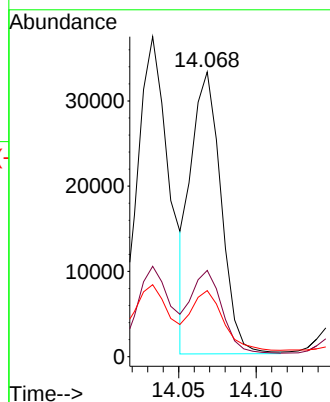
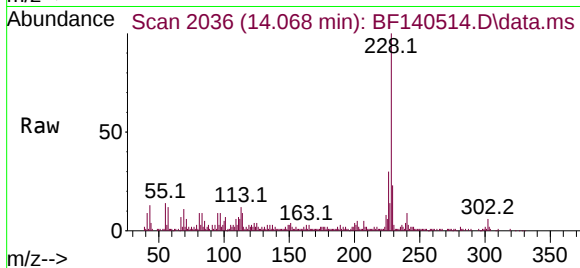
Tgt Ion:	228	Resp:	44679
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.5	36.7
229	23.2	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#86

Perylene-d12

Concen: 20.000 ng

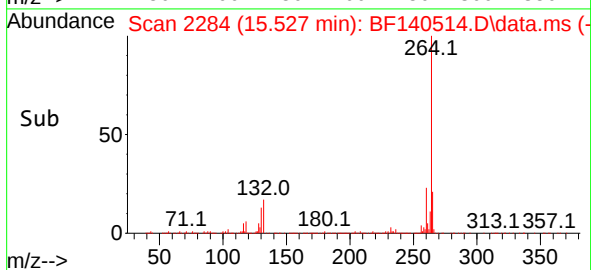
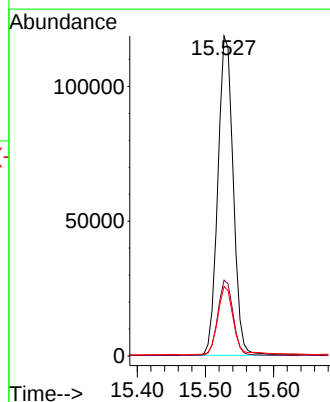
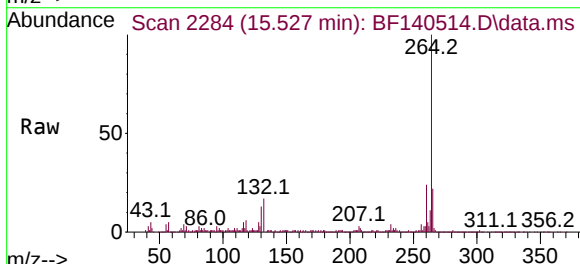
RT: 15.527 min Scan# 2284

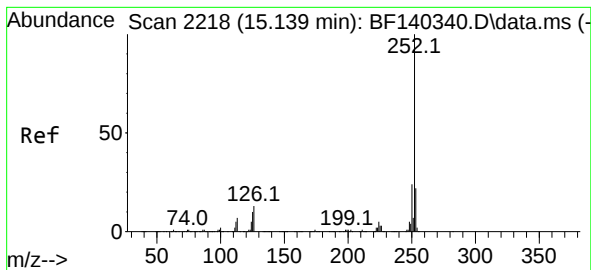
Delta R.T. -0.030 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Tgt Ion:	264	Resp:	185982
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.7	17.1	25.7





#88

Benzo(b)fluoranthene

Concen: 3.953 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

ClientSampleId :

SOIL-5

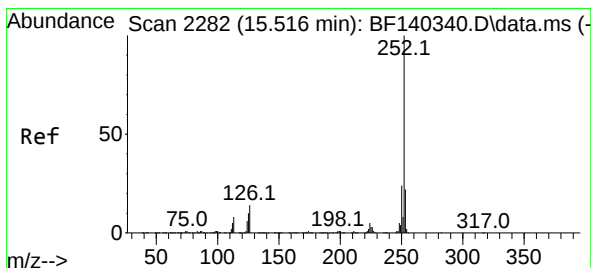
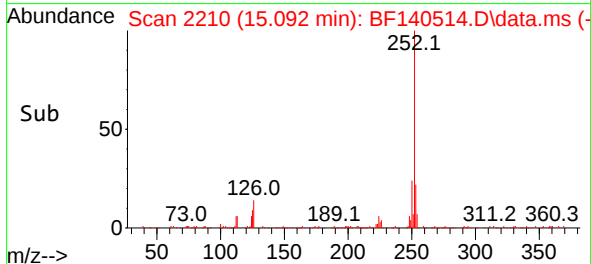
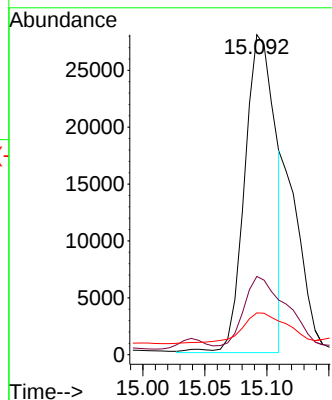
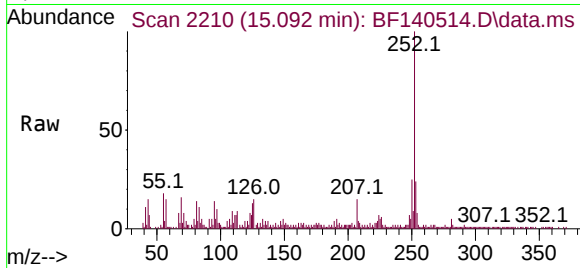
Tgt Ion:	252	Resp:	48090
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.5	26.3
125	13.0	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#90

Benzo(a)pyrene

Concen: 2.842 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.030 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Tgt Ion:	252	Resp:	26849
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.8	26.6
125	17.2	8.4	12.6

