

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140720.D
 Acq On : 03 Dec 2024 19:18
 Operator : RC/JU
 Sample : P5025-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-EAST

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 22:15:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	68175	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	243804	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	122377	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	192762	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	126938	20.000	ng	0.00
86) Perylene-d12	15.563	264	140674	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	415087	103.883	ng	0.00
7) Phenol-d6	6.510	99	528421	100.034	ng	0.00
23) Nitrobenzene-d5	7.434	82	344212	72.216	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	121853	93.101	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	651369	79.304	ng	-0.01
79) Terphenyl-d14	12.980	244	474739	58.236	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	12.616	202	40578	4.033	ng	98
78) Pyrene	12.845	202	37935	3.232	ng	98
81) Benzo(a)anthracene	14.039	228	21401	2.547	ng	95
83) Chrysene	14.074	228	17898m	2.329	ng	
88) Benzo(b)fluoranthene	15.127	252	24846m	2.812	ng	
90) Benzo(a)pyrene	15.498	252	18499	2.575	ng	# 88

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

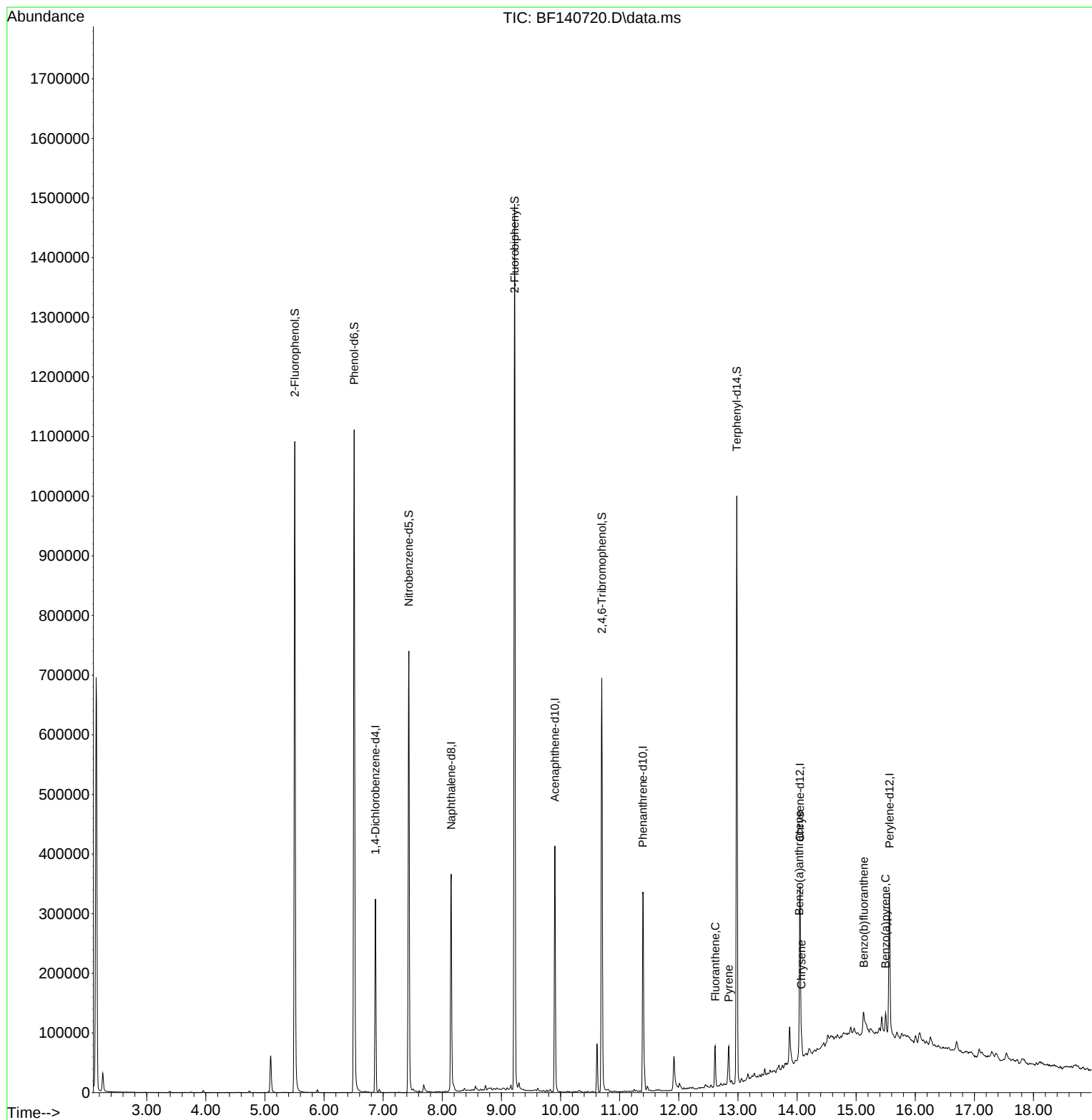
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140720.D
Acq On : 03 Dec 2024 19:18
Operator : RC/JU
Sample : P5025-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-EAST

Quant Time: Dec 03 22:15:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

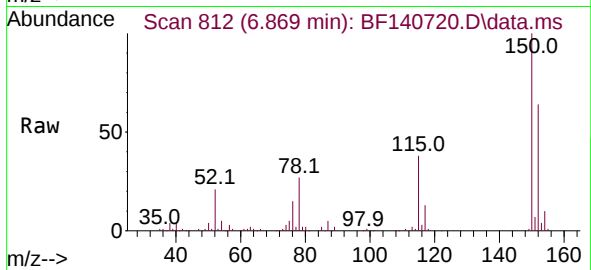
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

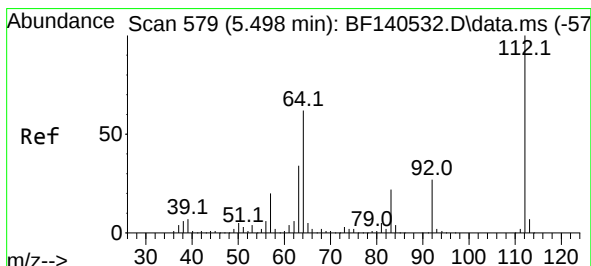
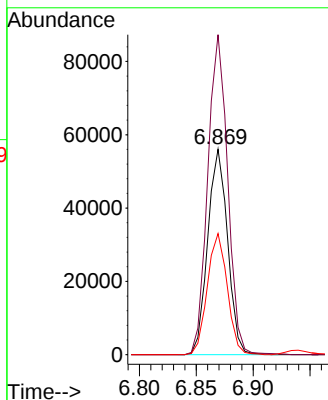
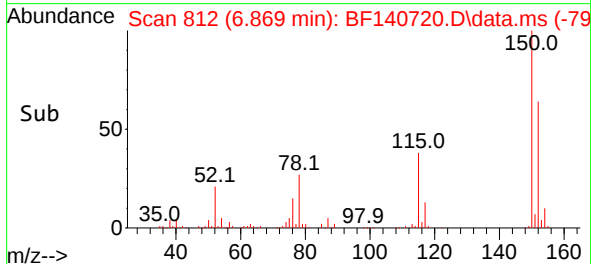
Instrument :
BNA_F
ClientSampleId :
SOIL-EAST



Tgt Ion:152 Resp: 6817
Ion Ratio Lower Upper
152 100
150 155.7 128.5 192.7
115 58.9 50.2 75.4

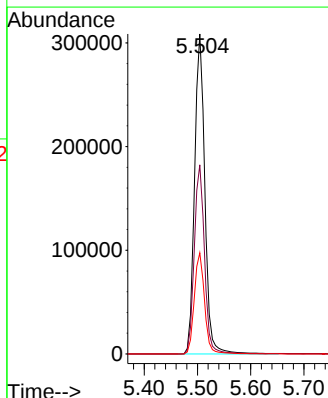
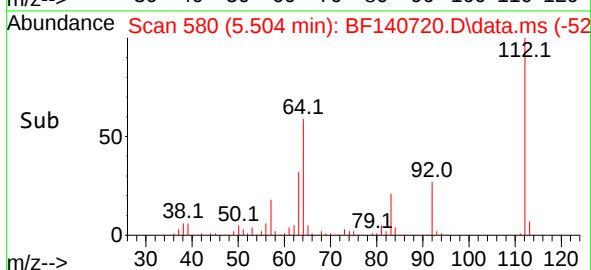
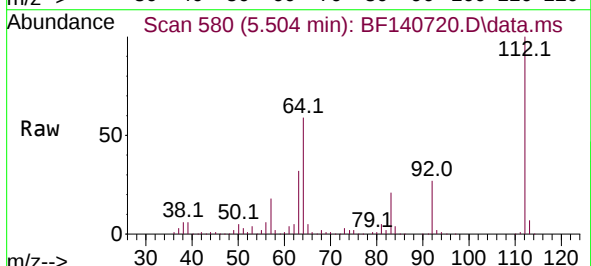
Manual Integrations
APPROVED

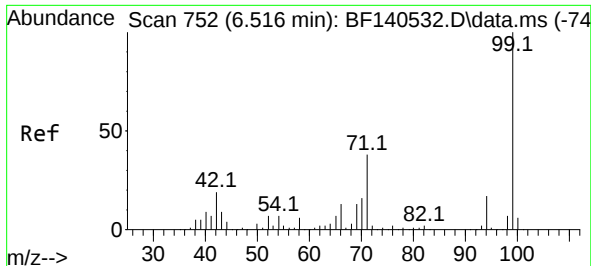
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#5
2-Fluorophenol
Concen: 103.883 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

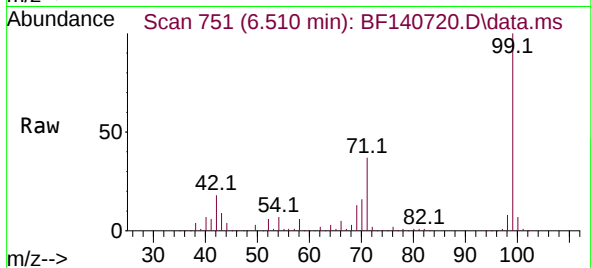
Tgt Ion:112 Resp: 415087
Ion Ratio Lower Upper
112 100
64 59.1 49.2 73.8
63 31.6 27.0 40.4





#7
Phenol-d6
Concen: 100.034 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

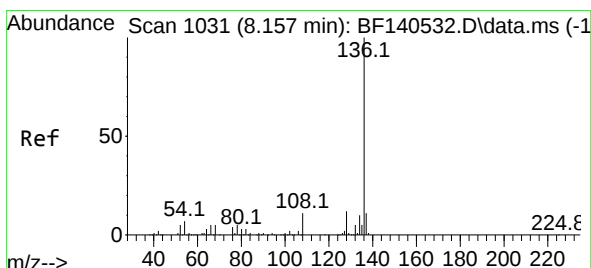
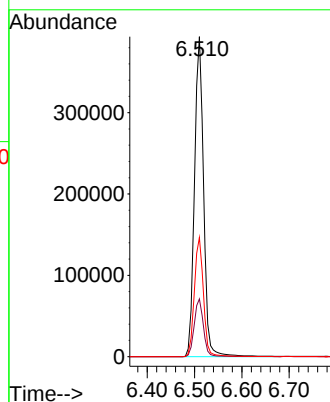
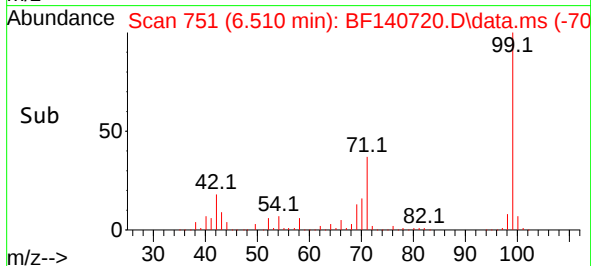
Instrument :
BNA_F
ClientSampleId :
SOIL-EAST



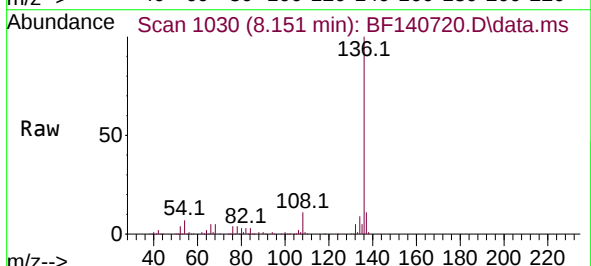
Tgt Ion: 99 Resp: 52842
Ion Ratio Lower Upper
99 100
42 18.1 15.4 23.0
71 37.2 30.6 46.0

Manual Integrations
APPROVED

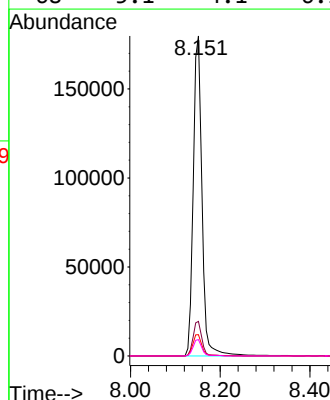
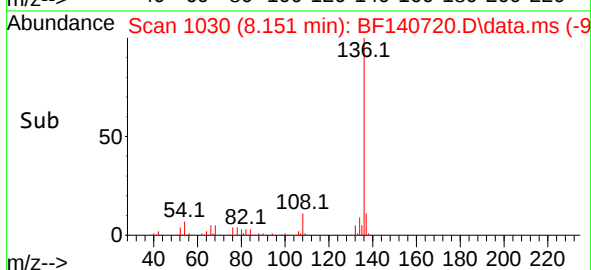
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024

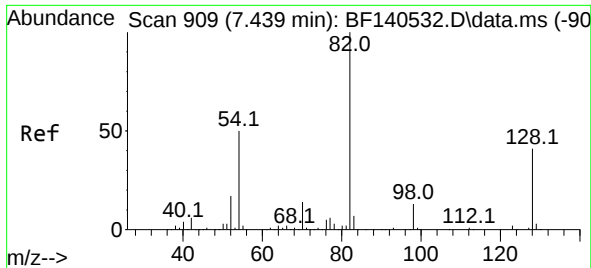


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18



Tgt Ion:136 Resp: 243804
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 6.7 5.8 8.8
68 5.1 4.1 6.1





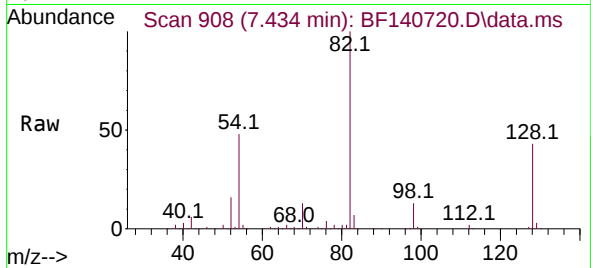
#23
Nitrobenzene-d5
Concen: 72.216 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

Instrument :

BNA_F

ClientSampleId :

SOIL-EAST

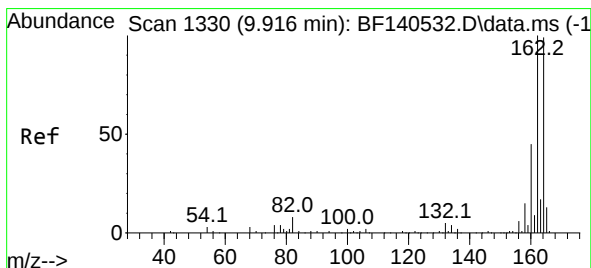
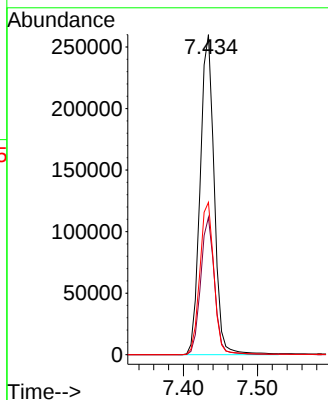
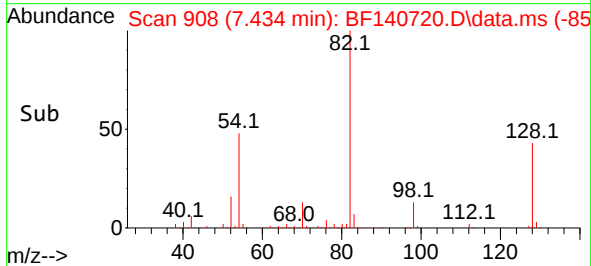


Tgt Ion: 82 Resp: 344212
Ion Ratio Lower Upper
82 100
128 42.9 33.0 49.4
54 47.6 39.5 59.3

Manual Integrations

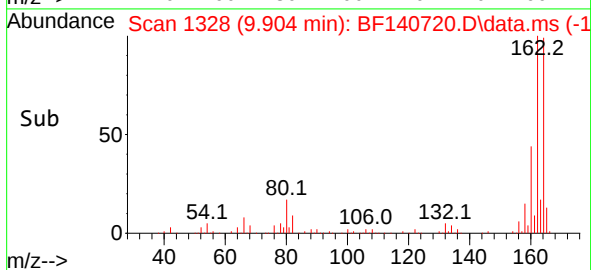
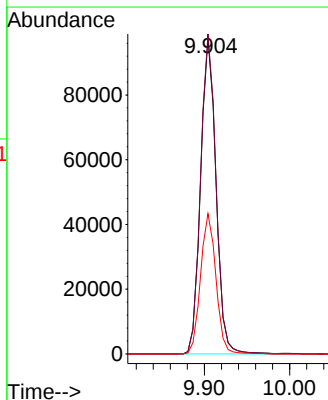
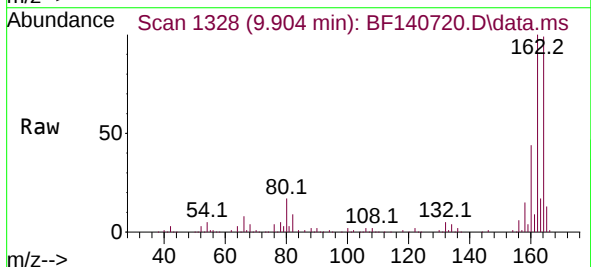
APPROVED

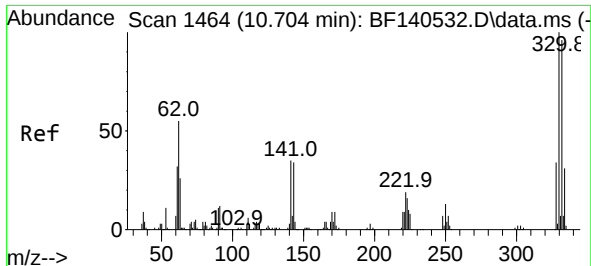
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

Tgt Ion:164 Resp: 122377
Ion Ratio Lower Upper
164 100
162 101.4 80.6 120.8
160 44.5 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 93.101 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

Instrument :

BNA_F

ClientSampleId :

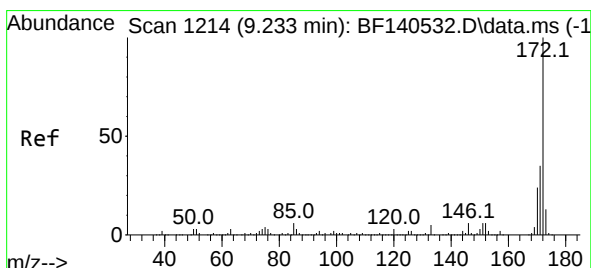
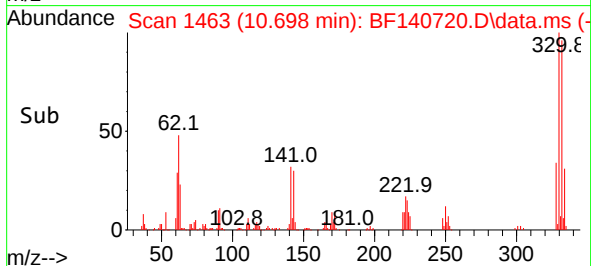
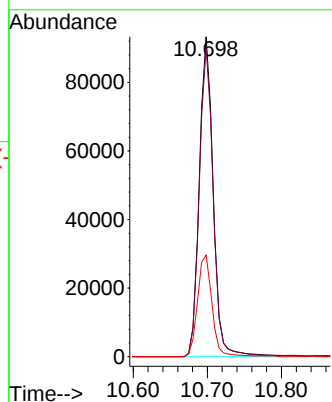
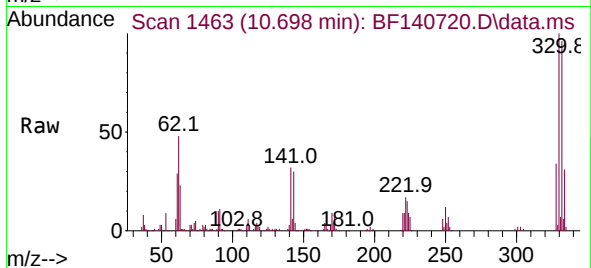
SOIL-EAST

Tgt Ion:330 Resp: 12185
Ion Ratio Lower Upper
330 100
332 97.1 76.9 115.3
141 33.2 26.7 40.1

Manual Integrations

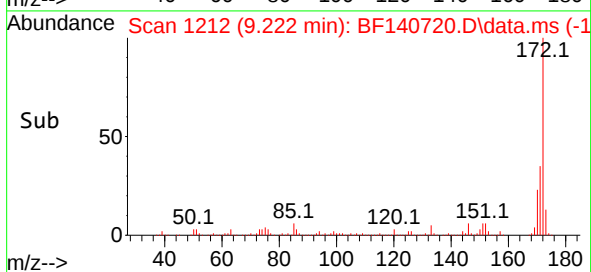
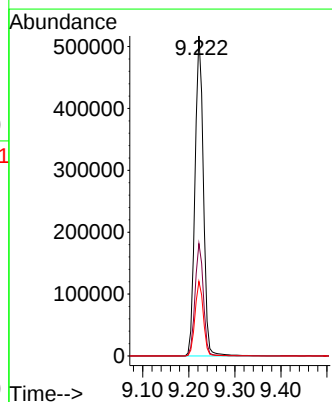
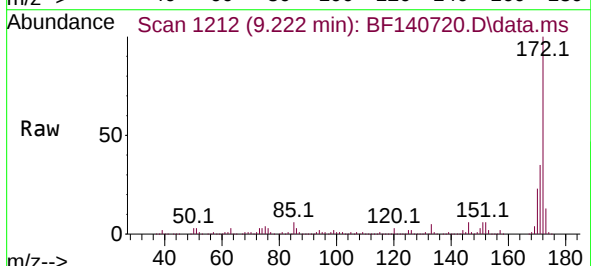
APPROVED

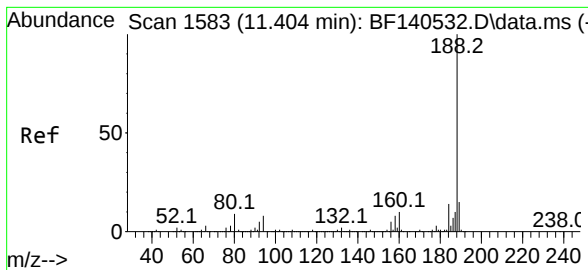
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#45
2-Fluorobiphenyl
Concen: 79.304 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

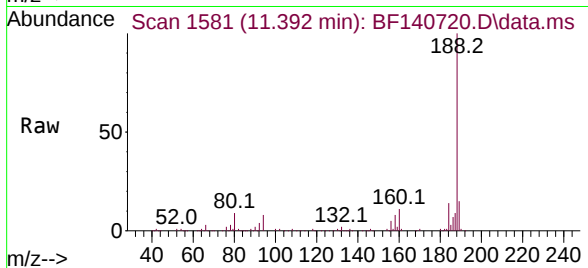
Tgt Ion:172 Resp: 651369
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.3 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

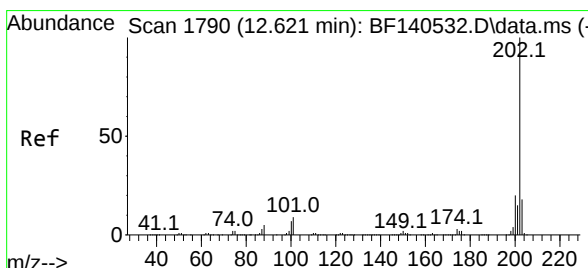
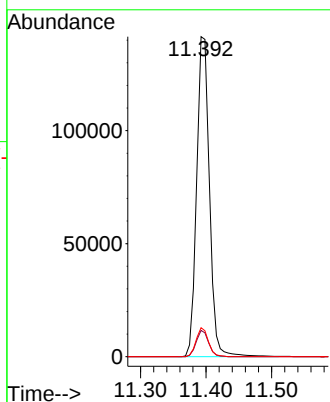
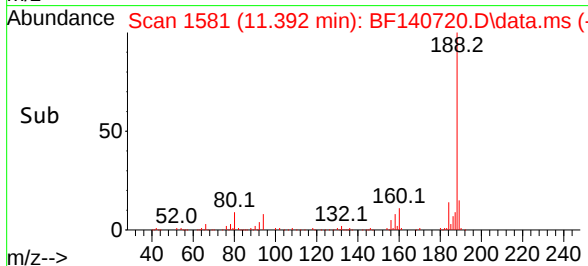
Instrument :
BNA_F
ClientSampleId :
SOIL-EAST



Tgt Ion:188 Resp: 192762
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 9.1 6.9 10.3

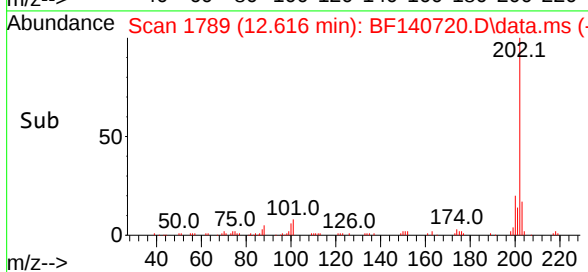
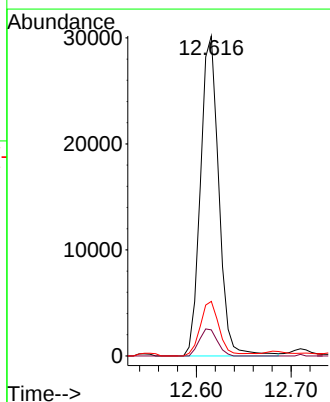
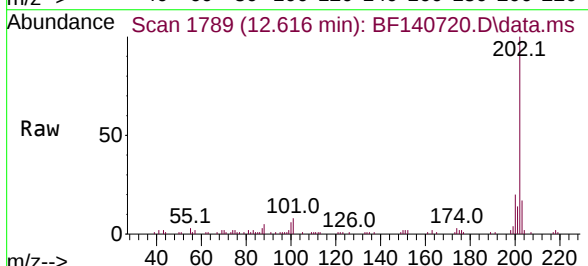
Manual Integrations
APPROVED

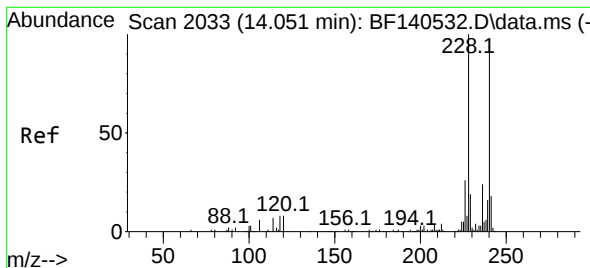
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#75
Fluoranthene
Concen: 4.033 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

Tgt Ion:202 Resp: 40578
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.9
203 17.1 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

Instrument :

BNA_F

ClientSampleId :

SOIL-EAST

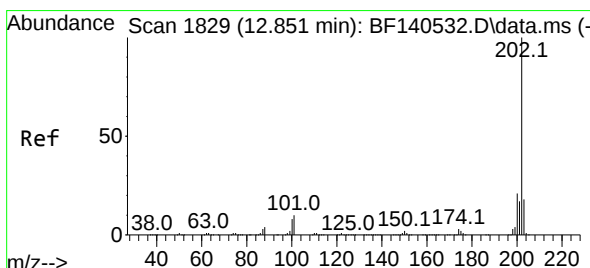
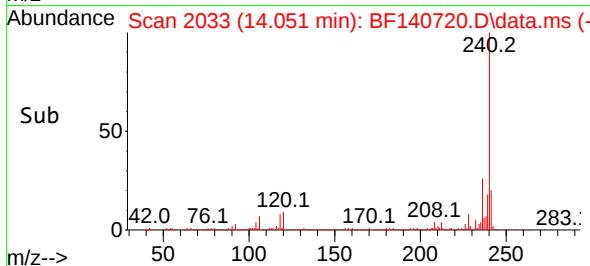
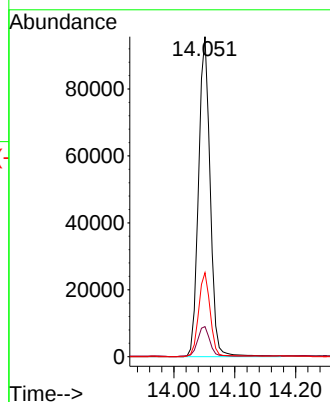
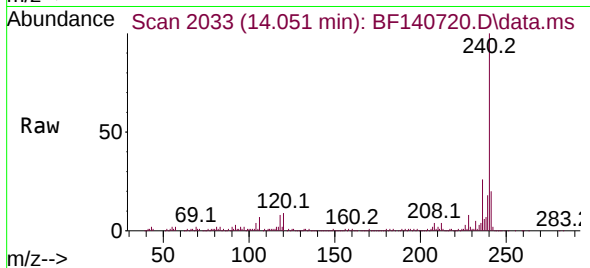
Tgt Ion:240 Resp: 126938

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.3	10.9
236	26.2	20.6	31.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#78

Pyrene

Concen: 3.232 ng

RT: 12.845 min Scan# 1828

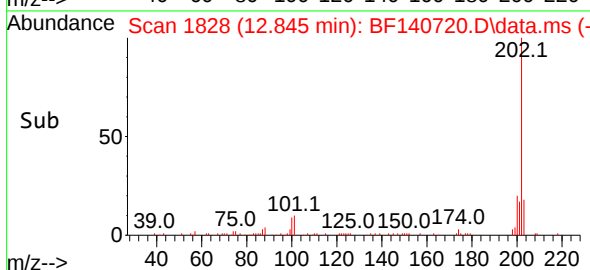
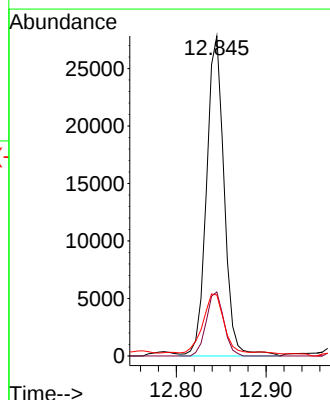
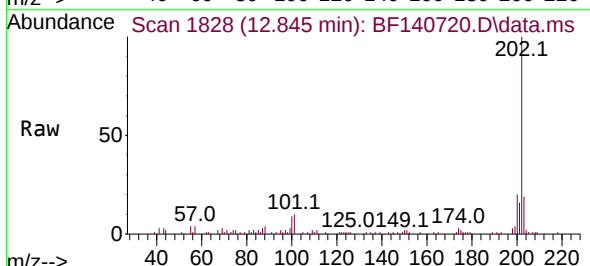
Delta R.T. -0.006 min

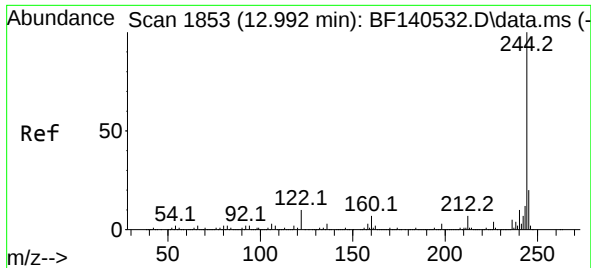
Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

Tgt Ion:202 Resp: 37935

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.5	24.7
203	19.0	14.2	21.4





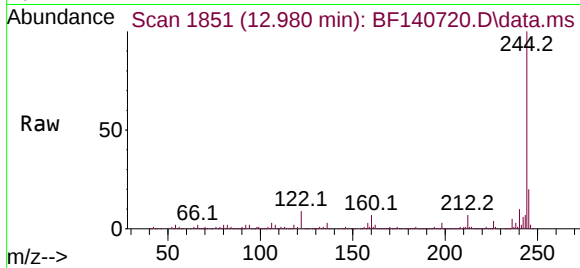
#79
 Terphenyl-d14
 Concen: 58.236 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF140720.D
 Acq: 03 Dec 2024 19:18

Instrument :

BNA_F

ClientSampleId :

SOIL-EAST

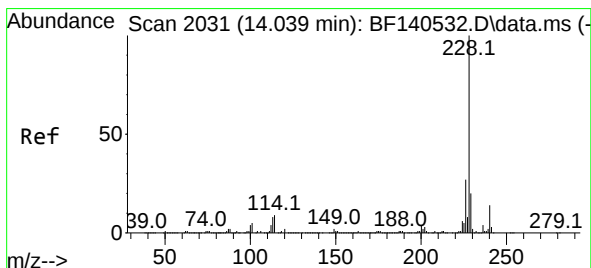
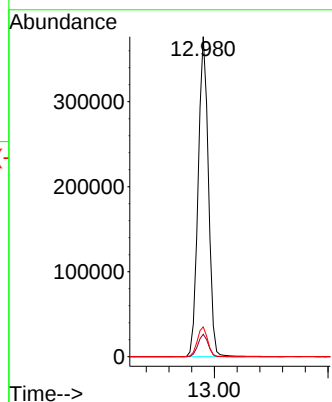
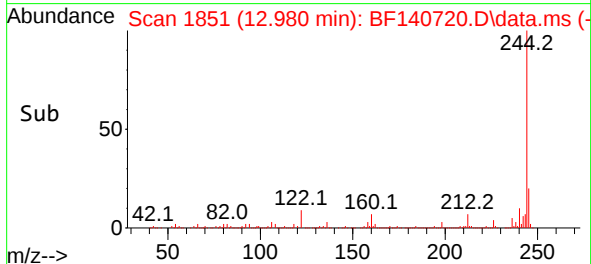


Tgt Ion:244 Resp: 474739
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 9.3 8.0 12.0

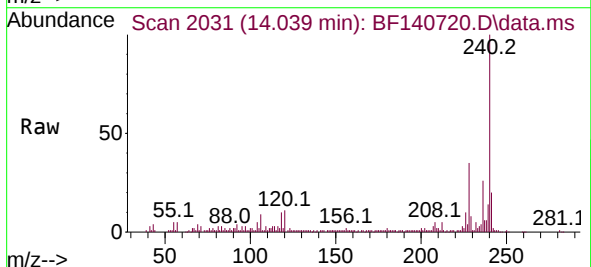
Manual Integrations

APPROVED

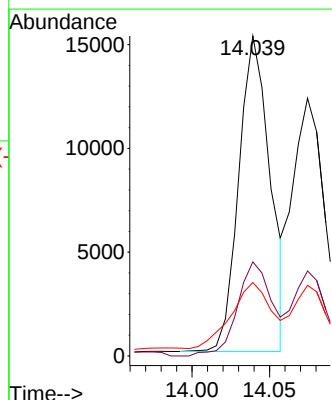
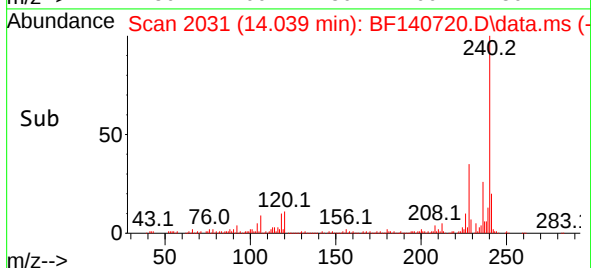
Reviewed By :Jagrut Upadhyay 12/04/2024
 Supervised By :mohammad ahmed 12/05/2024

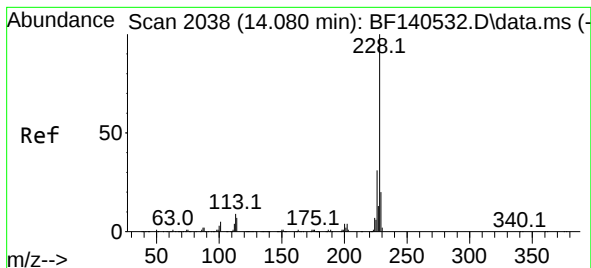


#81
 Benzo(a)anthracene
 Concen: 2.547 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF140720.D
 Acq: 03 Dec 2024 19:18



Tgt Ion:228 Resp: 21401
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.8 32.8
 229 22.9 15.8 23.6





#83

Chrysene

Concen: 2.329 ng m

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

Instrument :

BNA_F

ClientSampleId :

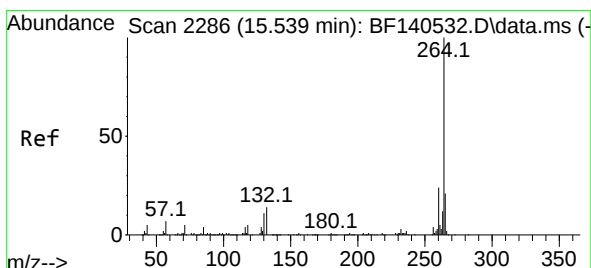
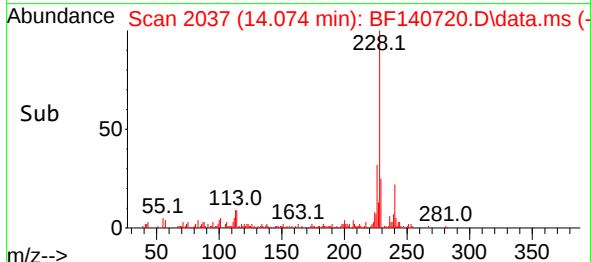
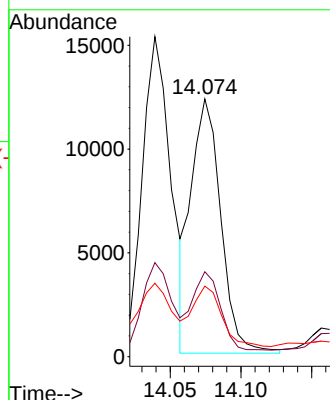
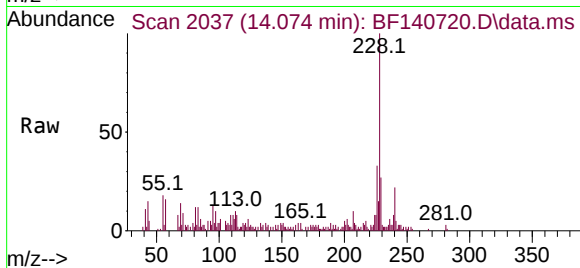
SOIL-EAST

Tgt Ion:228	Resp:	17898
Ion Ratio	Lower	Upper
228	100	
226	32.9	24.4 36.6
229	27.4	15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#86

Perylene-d12

Concen: 20.000 ng

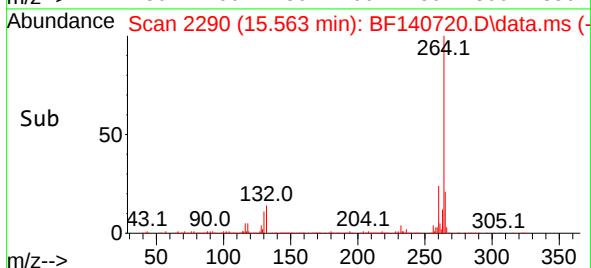
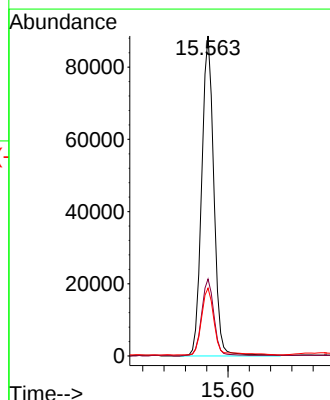
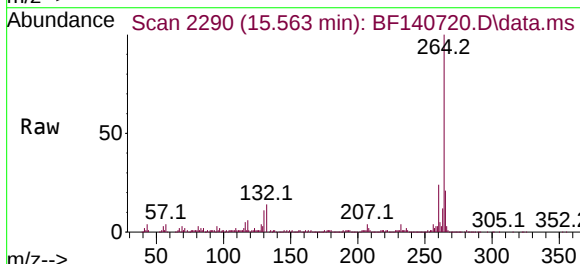
RT: 15.563 min Scan# 2290

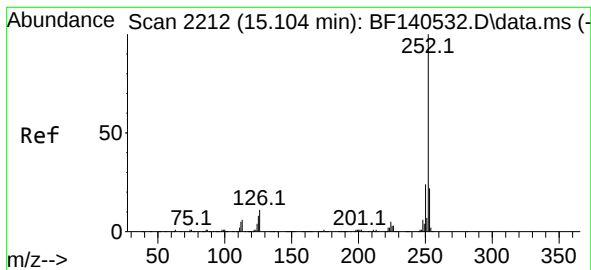
Delta R.T. 0.024 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

Tgt Ion:264	Resp:	140674
Ion Ratio	Lower	Upper
264	100	
260	24.1	19.0 28.6
265	21.2	16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 2.812 ng m

RT: 15.127 min Scan# 2216

Delta R.T. 0.024 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

Instrument :

BNA_F

ClientSampleId :

SOIL-EAST

Tgt Ion:252 Resp: 24840

Ion Ratio Lower Upper

252 100

253 25.2 17.2 25.8

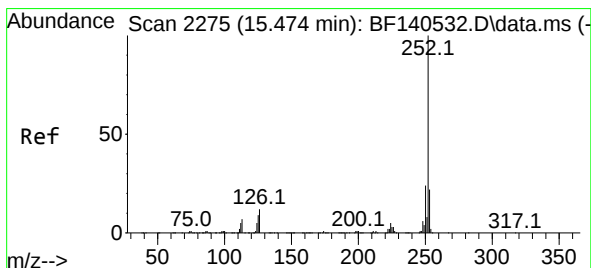
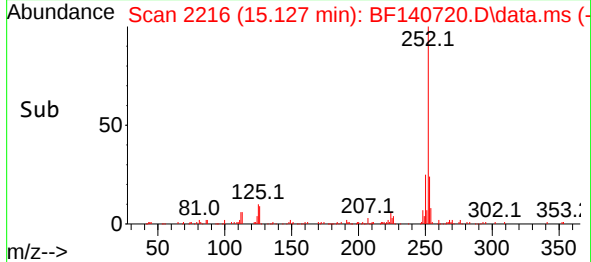
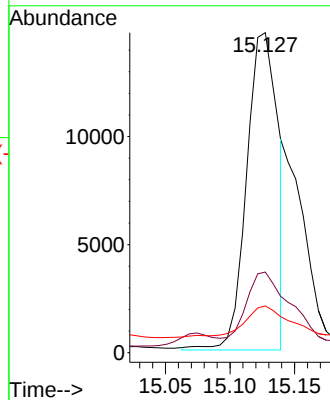
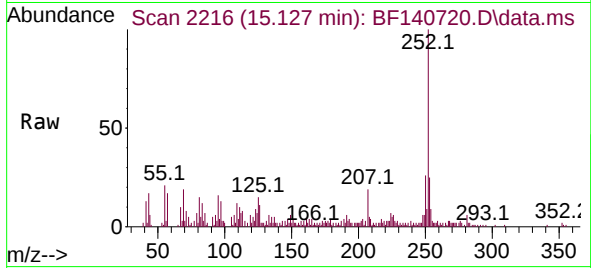
125 14.6 6.7 10.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024

Supervised By :mohammad ahmed 12/05/2024



#90

Benzo(a)pyrene

Concen: 2.575 ng

RT: 15.498 min Scan# 2279

Delta R.T. 0.024 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

Tgt Ion:252 Resp: 18499

Ion Ratio Lower Upper

252 100

253 26.5 17.3 25.9#

125 14.4 7.0 10.6#

