

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139442.D
 Acq On : 18 Sep 2024 23:07
 Operator : RC/JU
 Sample : P4086-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

Quant Time: Sep 19 01:31:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	61101	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	215197	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	96090	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	153645	20.000	ng	0.00
76) Chrysene-d12	14.033	240	103125	20.000	ng	0.00
86) Perylene-d12	15.504	264	77805	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	380819	101.676	ng	0.00
7) Phenol-d6	6.504	99	496611	101.017	ng	0.00
23) Nitrobenzene-d5	7.440	82	340471	74.379	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	85489	83.567	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	538619	78.616	ng	0.00
79) Terphenyl-d14	12.980	244	427189	67.994	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	59969	8.090	ng	99
72) Anthracene	11.469	178	15191	2.096	ng	96
75) Fluoranthene	12.610	202	141645	17.893	ng	99
78) Pyrene	12.839	202	140257	15.840	ng	99
81) Benzo(a)anthracene	14.022	228	87408	12.796	ng	96
83) Chrysene	14.057	228	72345	11.512	ng	96
87) Indeno(1,2,3-cd)pyrene	16.962	276	25330	5.475	ng	98
88) Benzo(b)fluoranthene	15.074	252	71426m	14.885	ng	
89) Benzo(k)fluoranthene	15.086	252	29401m	6.645	ng	
90) Benzo(a)pyrene	15.439	252	52555	13.206	ng	99
92) Benzo(g,h,i)perylene	17.410	276	25888	6.839	ng	95

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

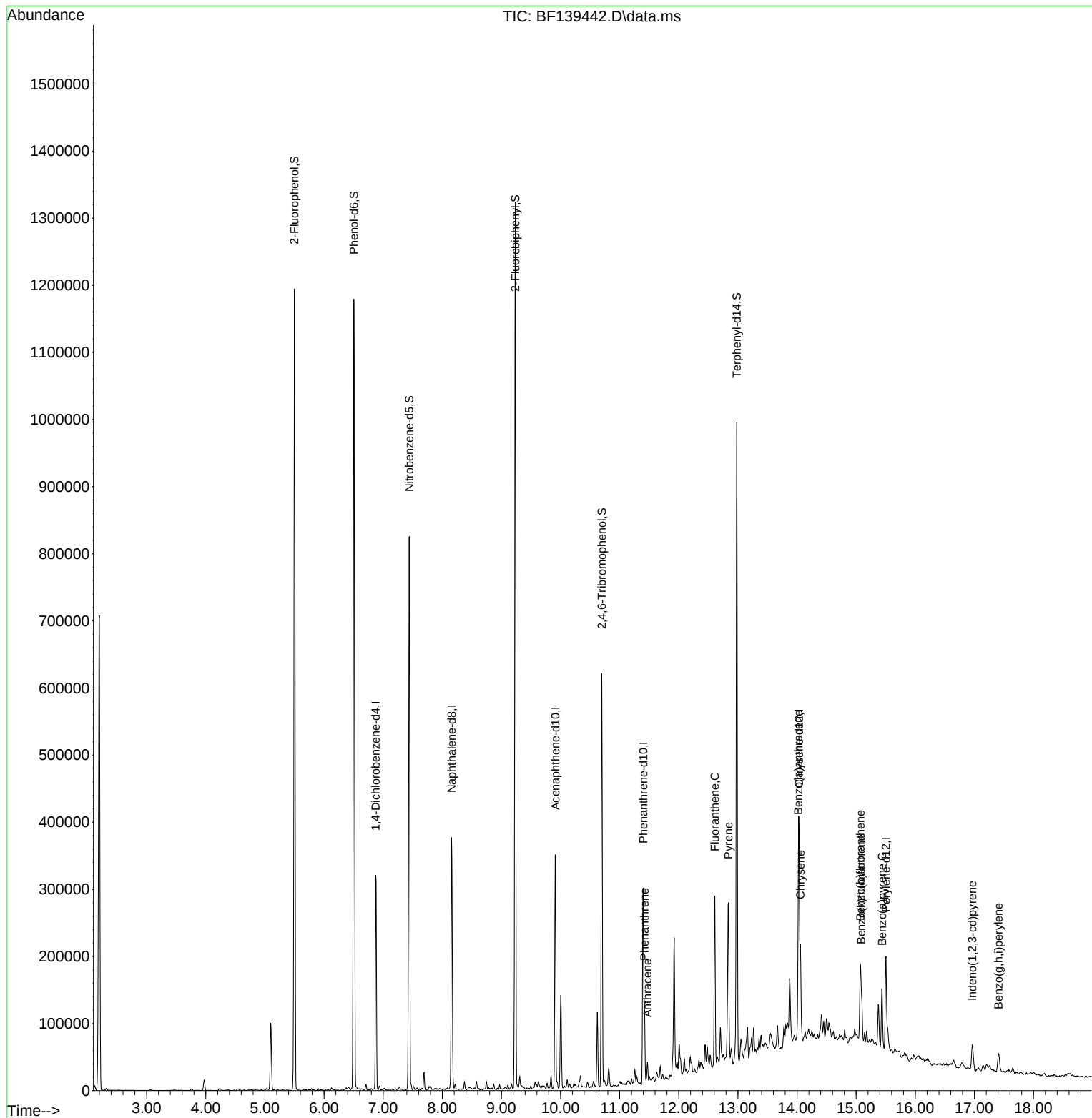
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
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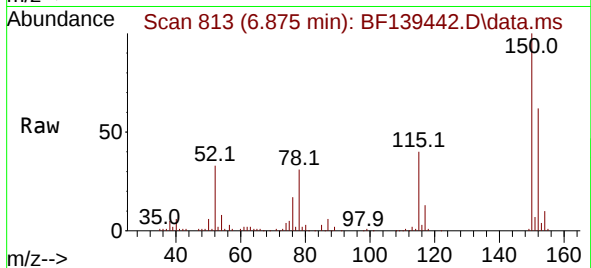
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07

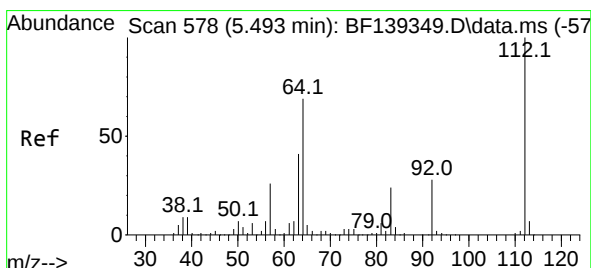
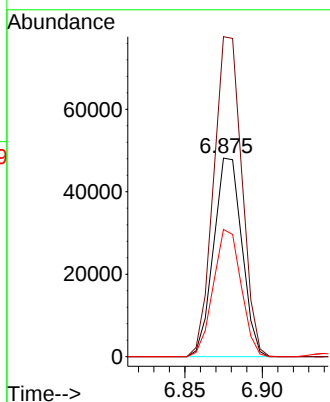
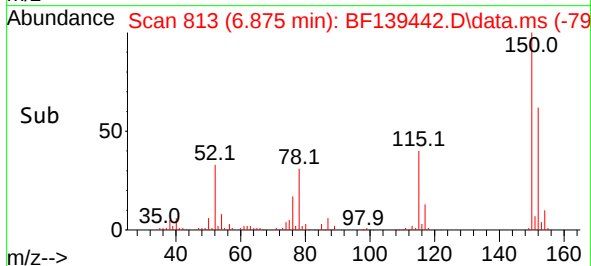
Instrument :
BNA_F
ClientSampleId :
SOIL



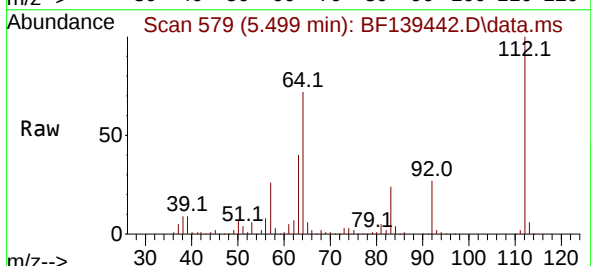
Tgt Ion:152 Resp: 6110
Ion Ratio Lower Upper
152 100
150 161.2 124.1 186.1
115 64.1 48.1 72.1

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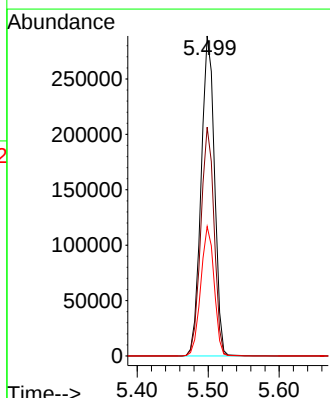
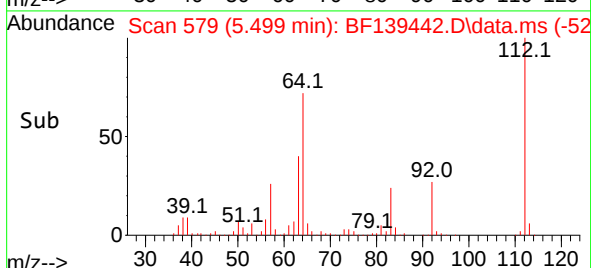
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

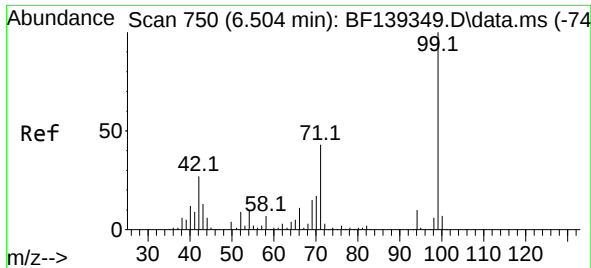


#5
2-Fluorophenol
Concen: 101.676 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07



Tgt Ion:112 Resp: 380819
Ion Ratio Lower Upper
112 100
64 71.5 54.8 82.2
63 40.5 33.0 49.4





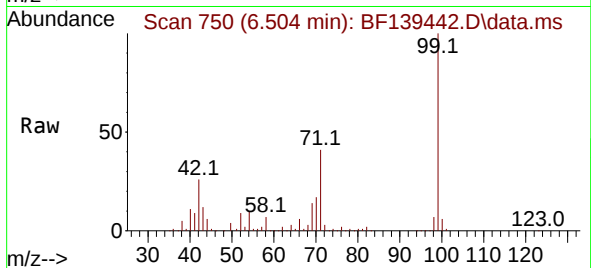
#7
Phenol-d6
Concen: 101.017 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07

Instrument :

BNA_F

ClientSampleId :

SOIL

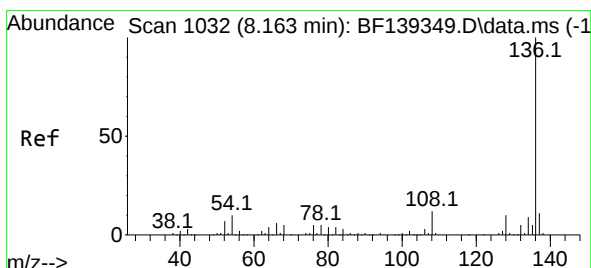
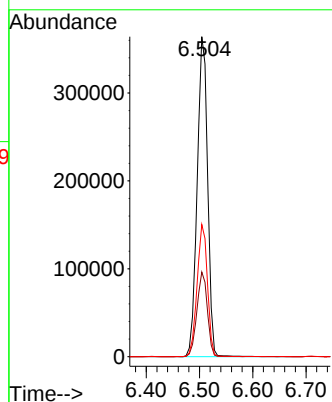
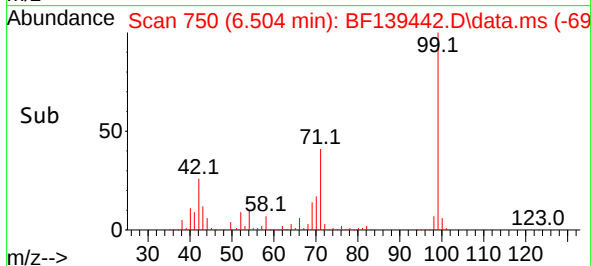


Tgt Ion: 99 Resp: 49661
Ion Ratio Lower Upper
99 100
42 26.4 21.9 32.9
71 41.3 34.6 52.0

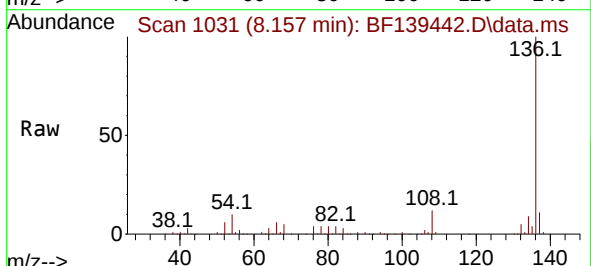
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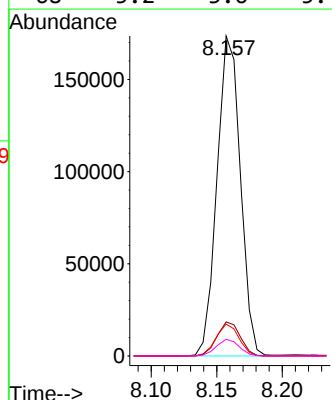
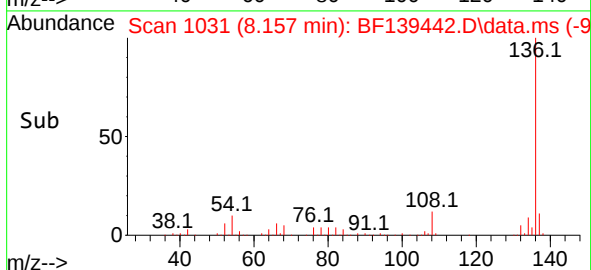
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07



Tgt Ion:136 Resp: 215197
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 10.0 7.8 11.8
68 5.2 3.6 5.4





#23

Nitrobenzene-d5

Concen: 74.379 ng

RT: 7.440 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF139442.D

Acq: 18 Sep 2024 23:07

Instrument :

BNA_F

ClientSampleId :

SOIL

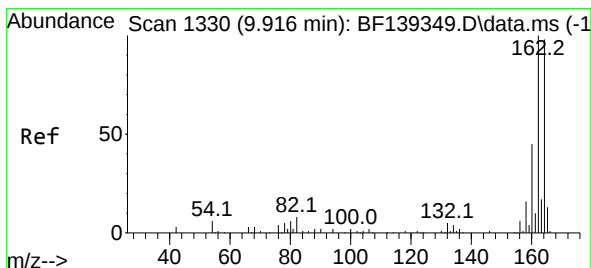
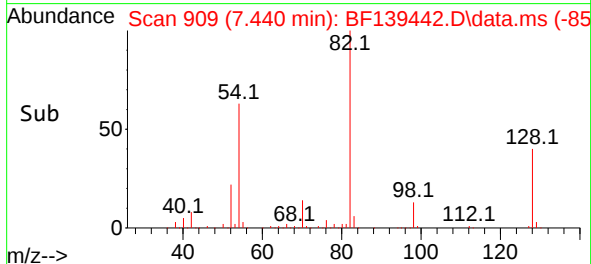
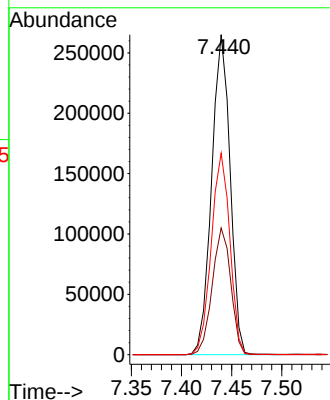
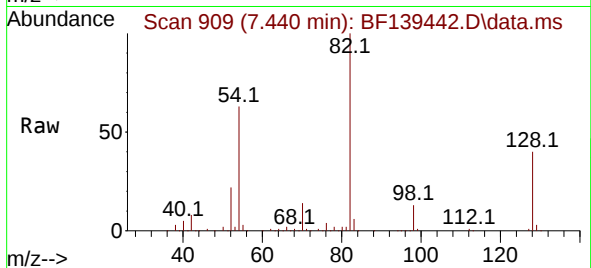
Tgt Ion: 82 Resp: 34047

Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.8	47.6
54	62.9	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

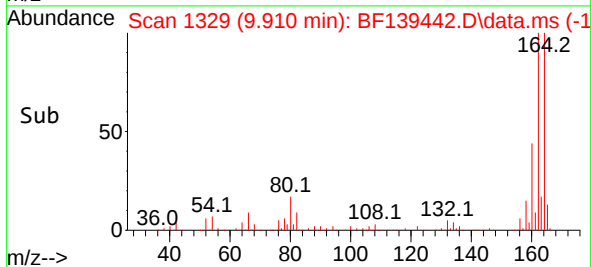
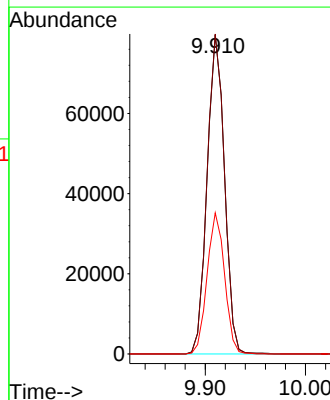
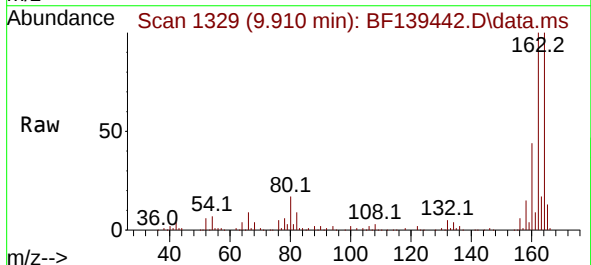
Delta R.T. -0.006 min

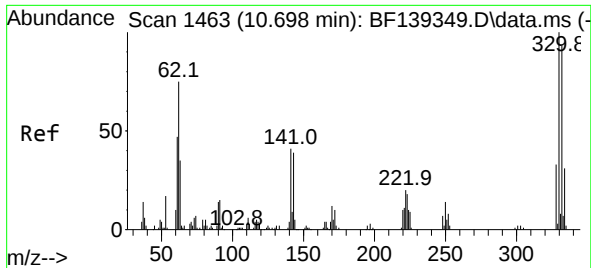
Lab File: BF139442.D

Acq: 18 Sep 2024 23:07

Tgt Ion:164 Resp: 96090

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.3	121.9
160	44.2	36.4	54.6





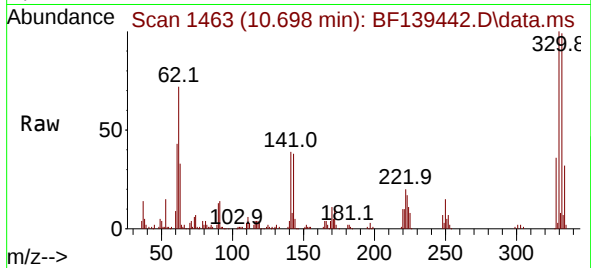
#42
2,4,6-Tribromophenol
Concen: 83.567 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07

Instrument :

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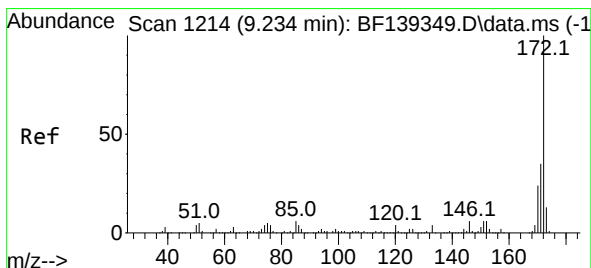
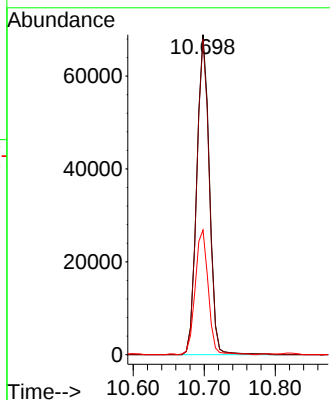
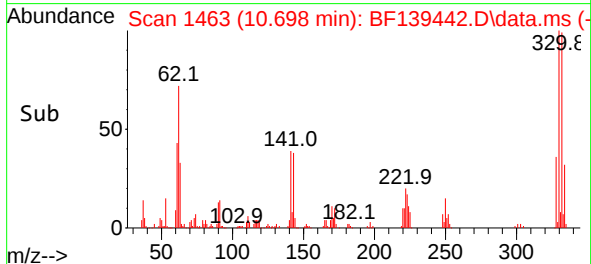


Tgt Ion:330 Resp: 85489
Ion Ratio Lower Upper
330 100
332 98.0 75.2 112.8
141 40.3 31.2 46.8

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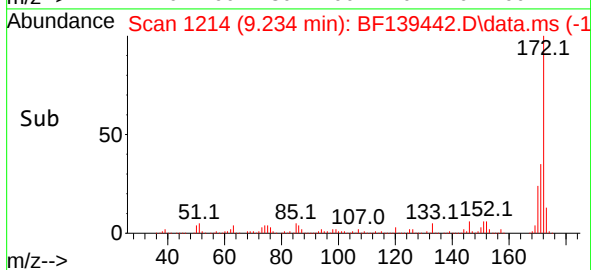
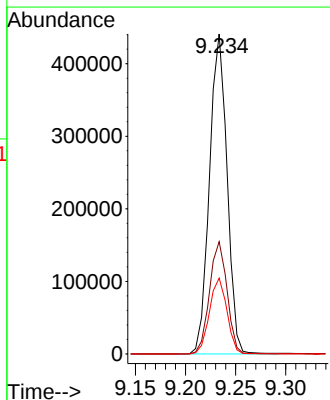
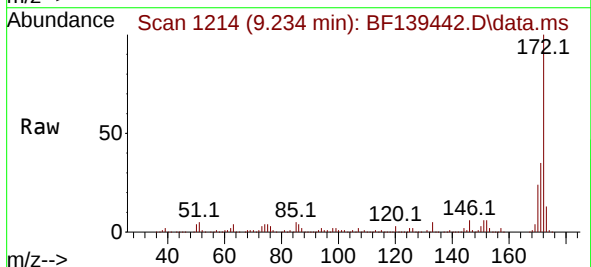
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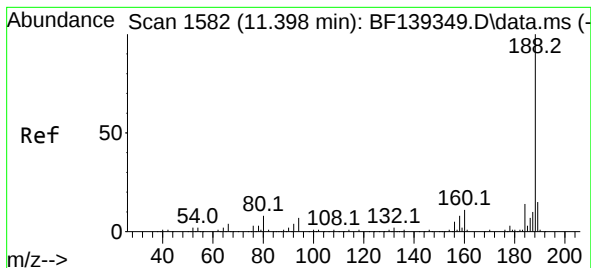
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#45
2-Fluorobiphenyl
Concen: 78.616 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07

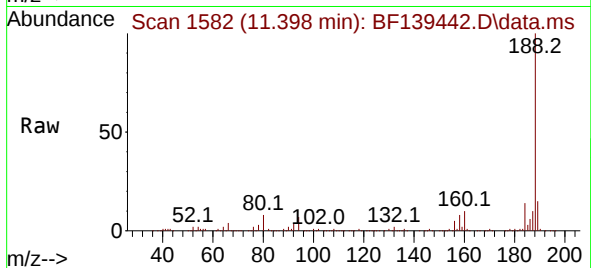
Tgt Ion:172 Resp: 538619
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.7 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07

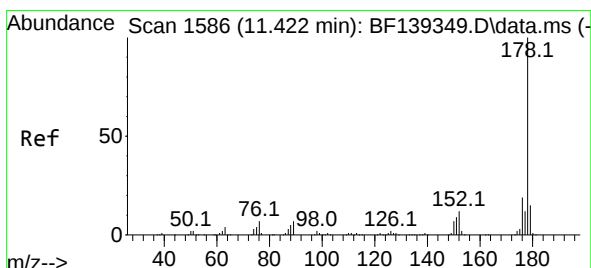
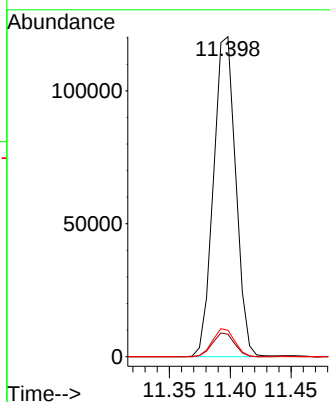
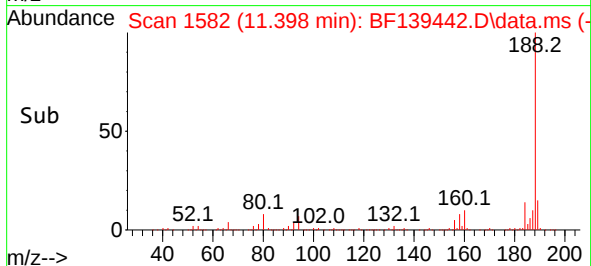
Instrument :
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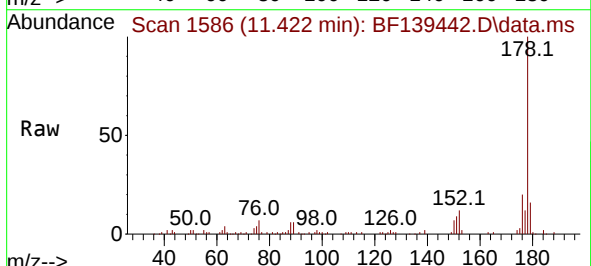
Tgt Ion:188 Resp: 153649
Ion Ratio Lower Upper
188 100
94 7.0 5.5 8.3
80 8.3 6.6 9.8

Manual Integrations
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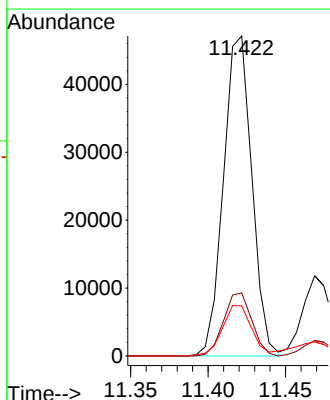
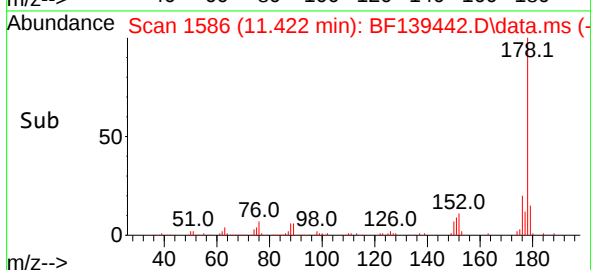
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

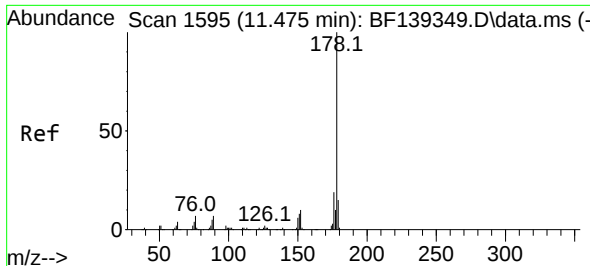


#71
Phenanthrene
Concen: 8.090 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07



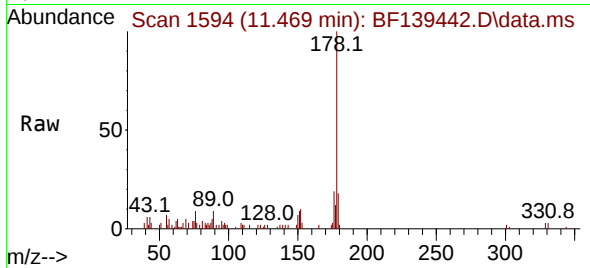
Tgt Ion:178 Resp: 59969
Ion Ratio Lower Upper
178 100
176 19.7 15.2 22.8
179 15.7 12.2 18.4





#72
 Anthracene
 Concen: 2.096 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF139442.D
 Acq: 18 Sep 2024 23:07

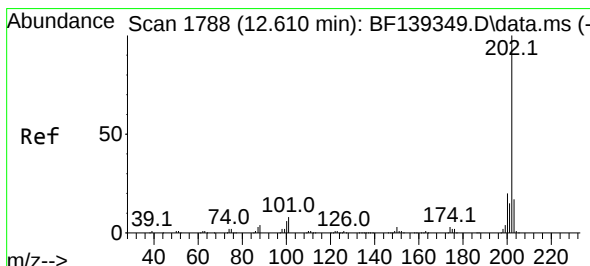
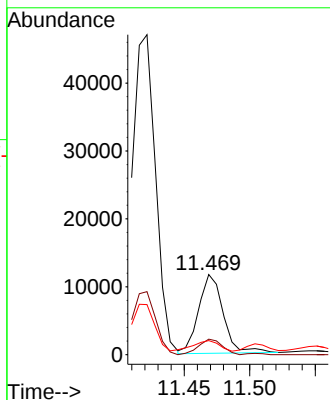
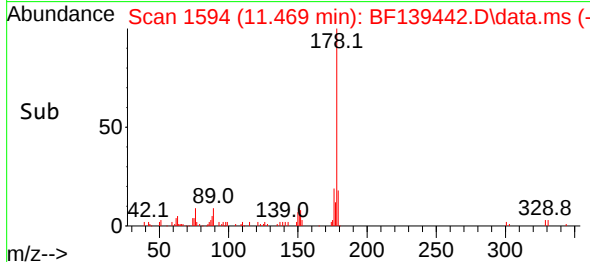
Instrument :
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Tgt Ion:178 Resp: 1519
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.0 22.6
 179 17.6 12.0 18.0

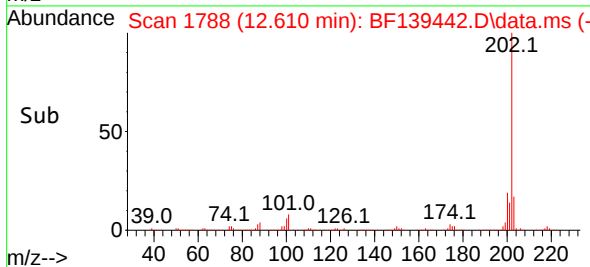
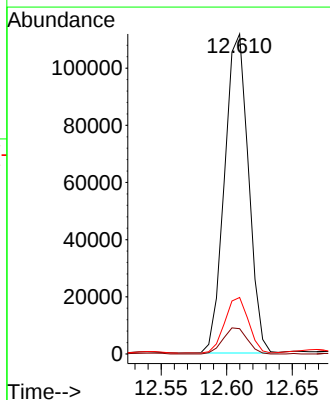
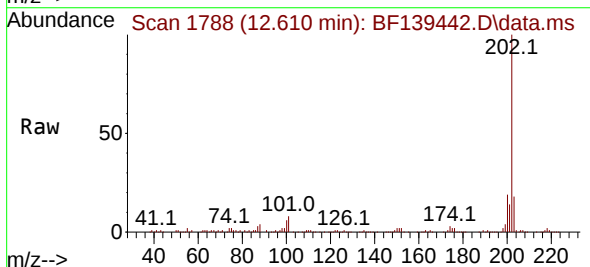
Manual Integrations
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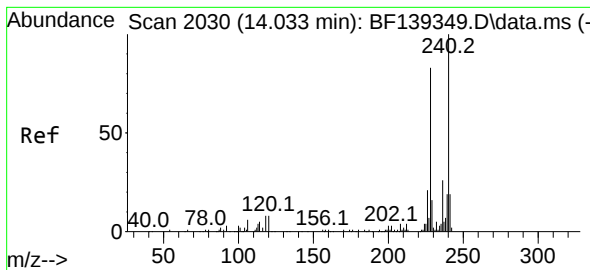
Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024



#75
 Fluoranthene
 Concen: 17.893 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.000 min
 Lab File: BF139442.D
 Acq: 18 Sep 2024 23:07

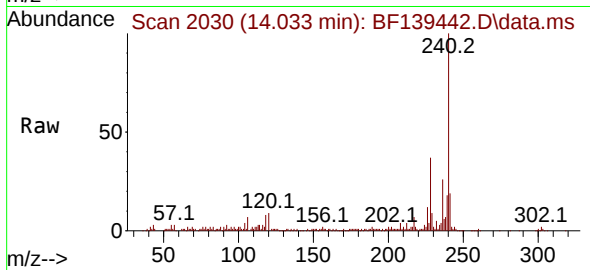
Tgt Ion:202 Resp: 141645
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 27.7
 203 17.6 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07

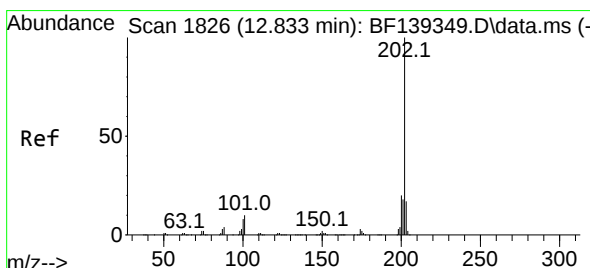
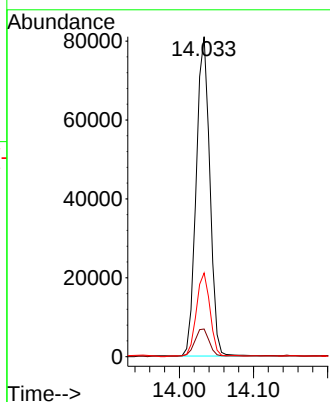
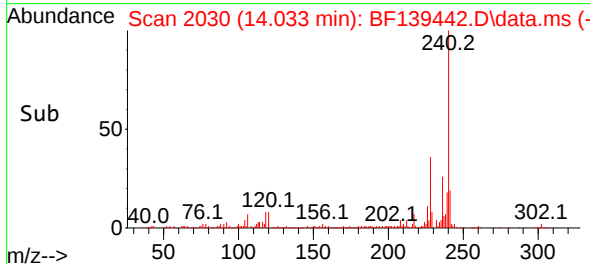
Instrument :
BNA_F
ClientSampleId :
SOIL



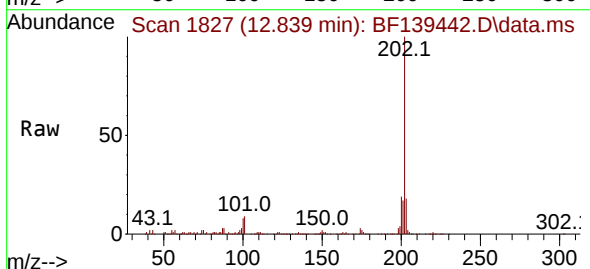
Tgt Ion:240 Resp: 103125
Ion Ratio Lower Upper
240 100
120 8.6 6.2 9.2
236 26.2 20.9 31.3

Manual Integrations
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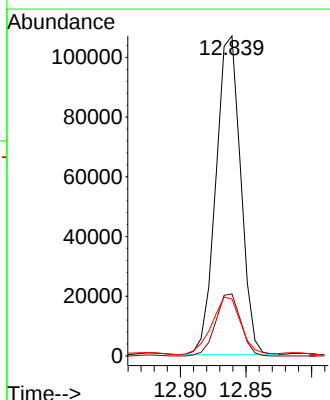
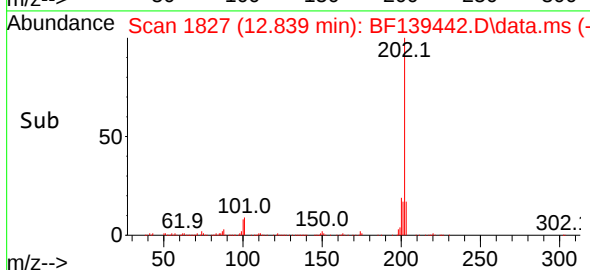
Reviewed By :Jagrut Upadhyay 09/19/2024
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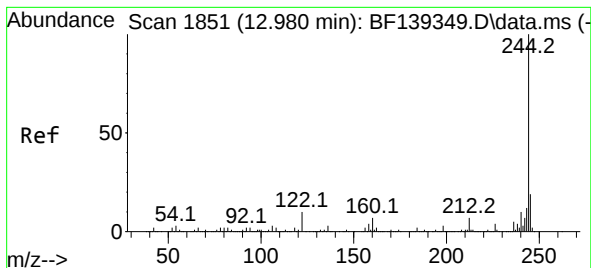


#78
Pyrene
Concen: 15.840 ng
RT: 12.839 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07



Tgt Ion:202 Resp: 140257
Ion Ratio Lower Upper
202 100
200 19.4 16.2 24.2
203 17.8 13.9 20.9





#79

Terphenyl-d14

Concen: 67.994 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139442.D

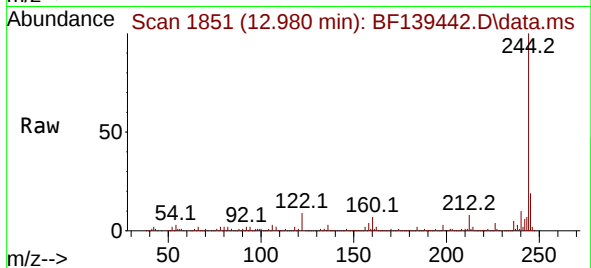
Acq: 18 Sep 2024 23:07

Instrument :

BNA_F

ClientSampleId :

SOIL



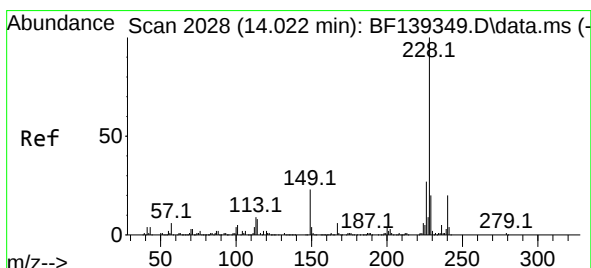
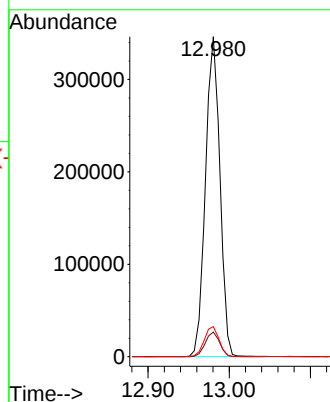
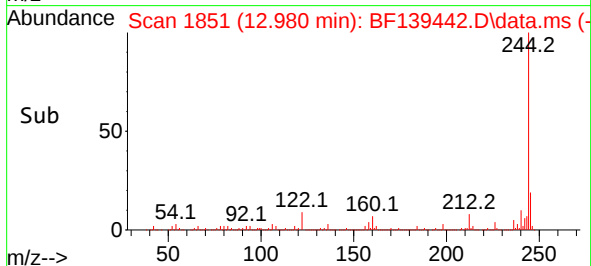
Tgt Ion:244 Resp: 427189

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	9.4	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#81

Benzo(a)anthracene

Concen: 12.796 ng

RT: 14.022 min Scan# 2028

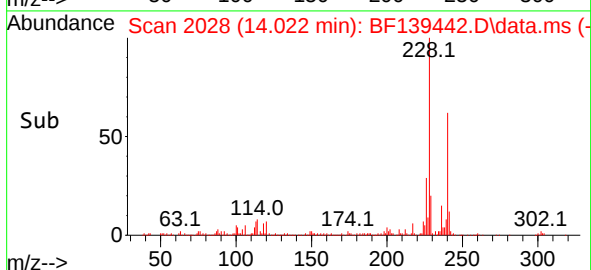
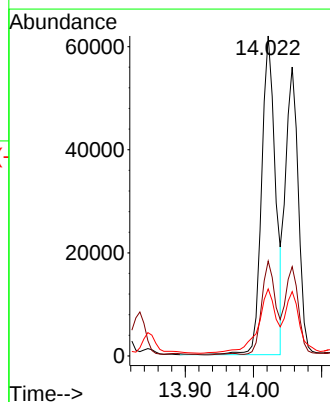
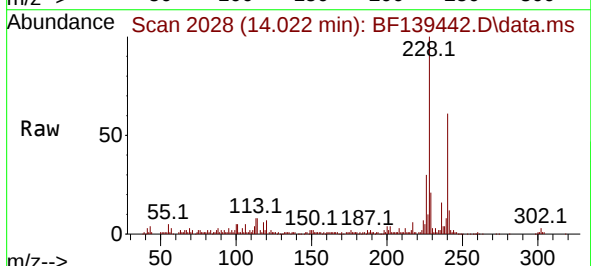
Delta R.T. -0.000 min

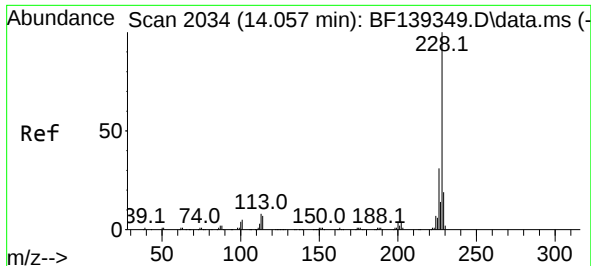
Lab File: BF139442.D

Acq: 18 Sep 2024 23:07

Tgt Ion:228 Resp: 87408

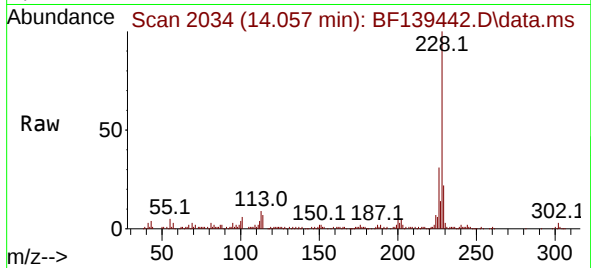
Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.6	32.4
229	20.9	15.7	23.5





#83
Chrysene
Concen: 11.512 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07

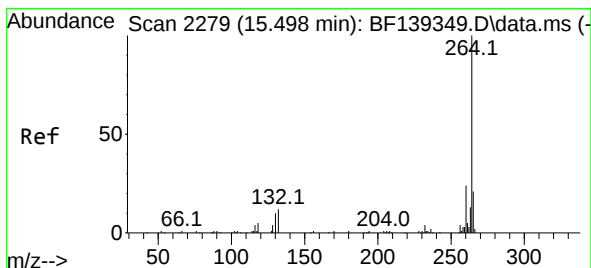
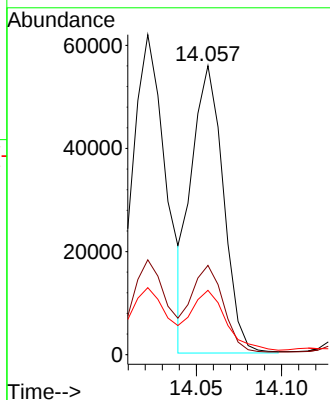
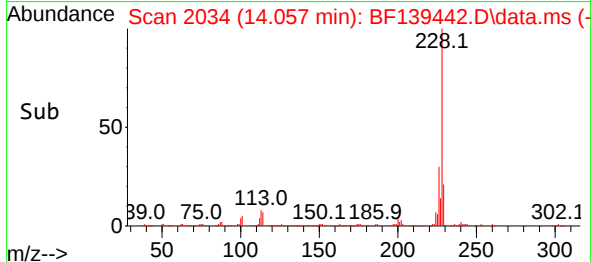
Instrument :
BNA_F
Client Sample Id :
SOIL



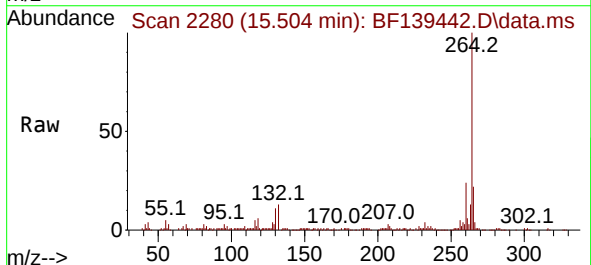
Tgt Ion: 228 Resp: 72345
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 22.3 15.4 23.0

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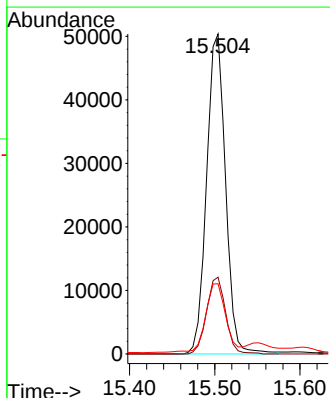
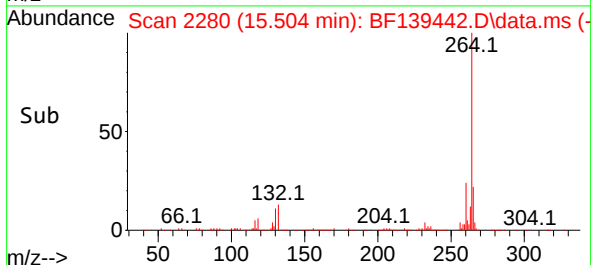
Reviewed By : Jagrut Upadhyay 09/19/2024
Supervised By : mohammad ahmed 09/20/2024

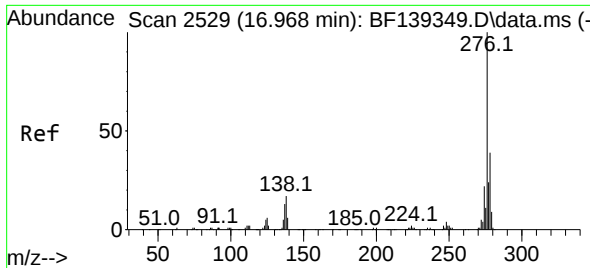


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF139442.D
Acq: 18 Sep 2024 23:07



Tgt Ion: 264 Resp: 77805
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 21.9 16.6 25.0





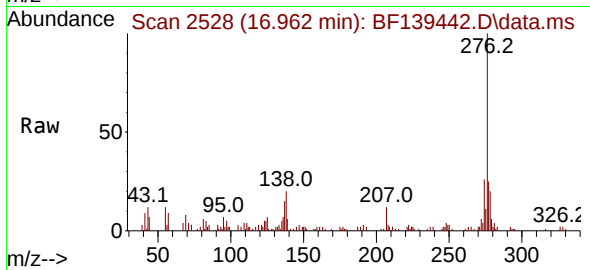
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.475 ng
 RT: 16.962 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF139442.D
 Acq: 18 Sep 2024 23:07

Instrument :

BNA_F

ClientSampleId :

SOIL

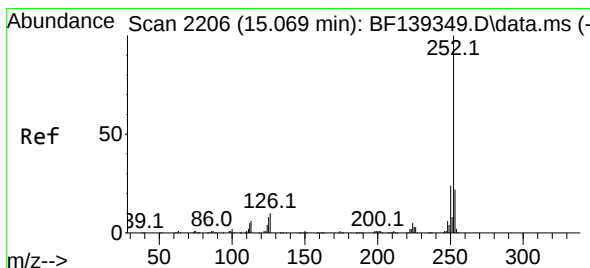
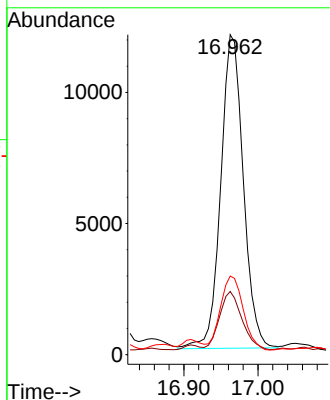
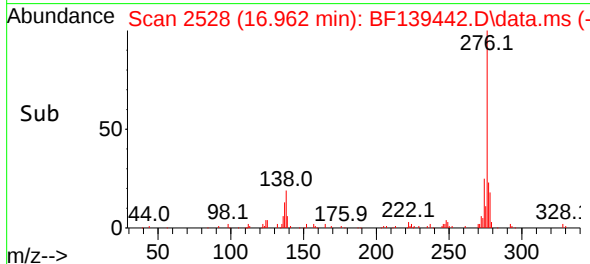


Tgt Ion:276 Resp: 25330
 Ion Ratio Lower Upper
 276 100
 138 18.3 15.4 23.2
 277 24.6 20.4 30.6

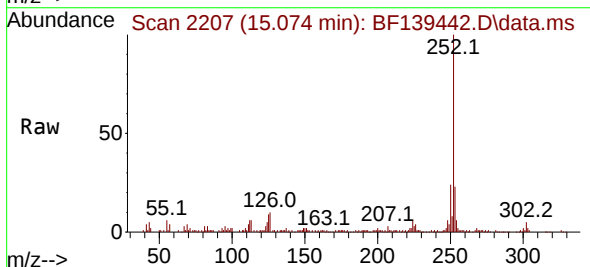
Manual Integrations

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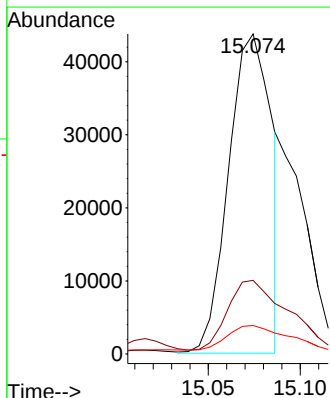
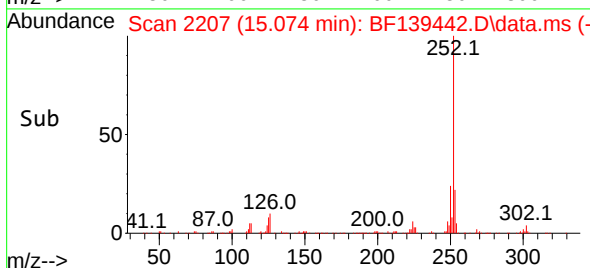
Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

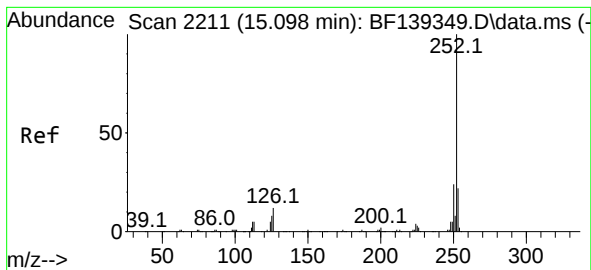


#88
 Benzo(b)fluoranthene
 Concen: 14.885 ng m
 RT: 15.074 min Scan# 2207
 Delta R.T. 0.006 min
 Lab File: BF139442.D
 Acq: 18 Sep 2024 23:07



Tgt Ion:252 Resp: 71426
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.6 26.4
 125 8.9 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 6.645 ng m

RT: 15.086 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139442.D

Acq: 18 Sep 2024 23:07

Instrument :

BNA_F

ClientSampleId :

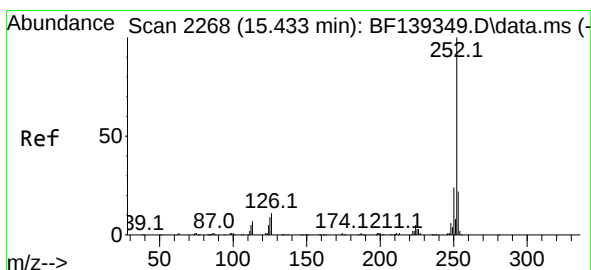
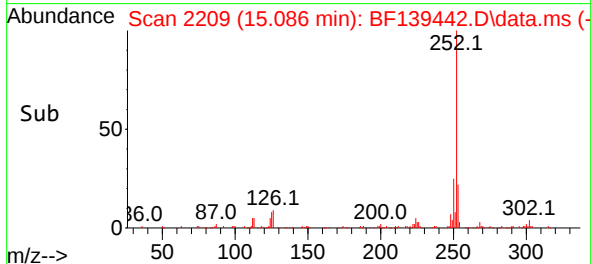
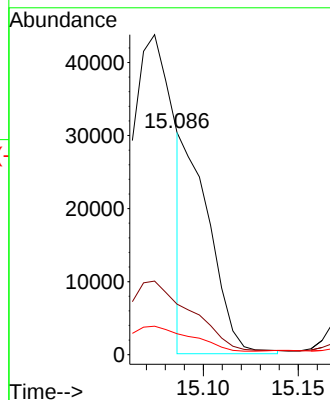
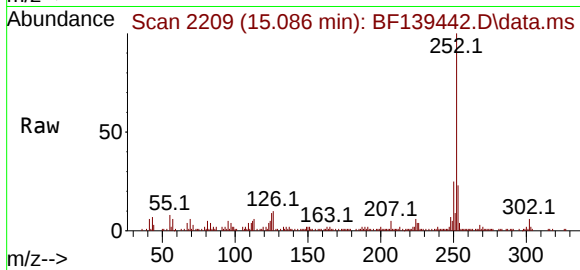
SOIL

Tgt Ion:	252	Resp:	2940
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.3	25.9
125	9.4	5.9	8.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#90

Benzo(a)pyrene

Concen: 13.206 ng

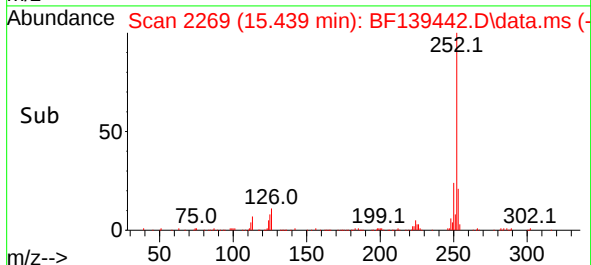
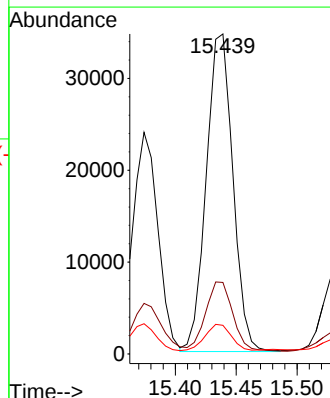
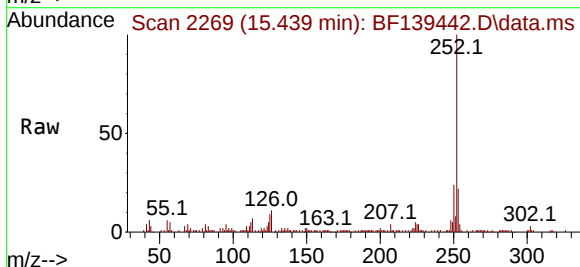
RT: 15.439 min Scan# 2269

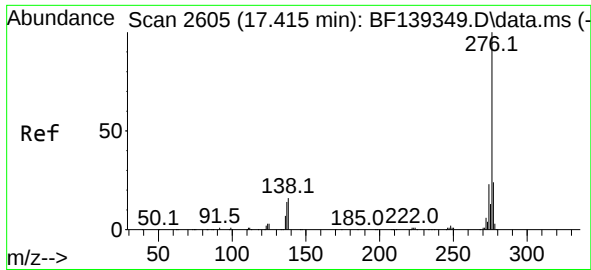
Delta R.T. 0.006 min

Lab File: BF139442.D

Acq: 18 Sep 2024 23:07

Tgt Ion:	252	Resp:	52555
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.3	25.9
125	8.9	6.8	10.2





#92

Benzo(g,h,i)perylene

Concen: 6.839 ng

RT: 17.410 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139442.D

Acq: 18 Sep 2024 23:07

Instrument :

BNA_F

ClientSampleId :

SOIL

Tgt Ion:276 Resp: 2588

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 19.5 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024

Supervised By :mohammad ahmed 09/20/2024

