

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137988.D
 Acq On : 21 May 2024 20:15
 Operator : CG\JU
 Sample : P2538-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POLE-SLEEVE-SOIL

Quant Time: May 22 01:30:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/22/2024
 Supervised By :mohammad ahmed 05/24/2024

Supervised By :mohammad
 ahmed
 05/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	155369	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	609082	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	348567	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	559024	20.000	ng	0.00
76) Chrysene-d12	14.227	240	327326	20.000	ng	0.00
86) Perylene-d12	15.792	264	321847	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.657	112	936369	102.373	ng	0.00
7) Phenol-d6	6.651	99	1188080	105.446	ng	0.00
23) Nitrobenzene-d5	7.592	82	719554	69.524	ng	-0.02
42) 2,4,6-Tribromophenol	10.875	330	386100	109.856	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	1465379	64.758	ng	0.00
79) Terphenyl-d14	13.163	244	1308767	58.928	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.110	154	95886m	5.170	ng	
55) Dibenzofuran	10.281	168	59051	2.188	ng	98
58) Fluorene	10.628	166	117218	5.490	ng	99
71) Phenanthrene	11.604	178	947134	34.381	ng	100
72) Anthracene	11.651	178	260514	9.531	ng	100
73) Carbazole	11.798	167	55518	2.224	ng	99
74) Di-n-butylphthalate	12.122	149	257999	9.311	ng	100
75) Fluoranthene	12.798	202	1132547	40.503	ng	99
78) Pyrene	13.027	202	1032812	36.075	ng	99
80) Butylbenzylphthalate	13.645	149	1964328	227.474	ng	100
81) Benzo(a)anthracene	14.216	228	439234	21.210	ng	97
83) Chrysene	14.251	228	375943	18.982	ng	97
87) Indeno(1,2,3-cd)pyrene	17.404	276	119763	5.792	ng	95
88) Benzo(b)fluoranthene	15.321	252	438031m	23.506	ng	
89) Benzo(k)fluoranthene	15.345	252	129270m	7.061	ng	
90) Benzo(a)pyrene	15.721	252	308370	19.379	ng	97
91) Dibenzo(a,h)anthracene	17.415	278	36382m	2.130	ng	
92) Benzo(g,h,i)perylene	17.898	276	109818	6.119	ng	98

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

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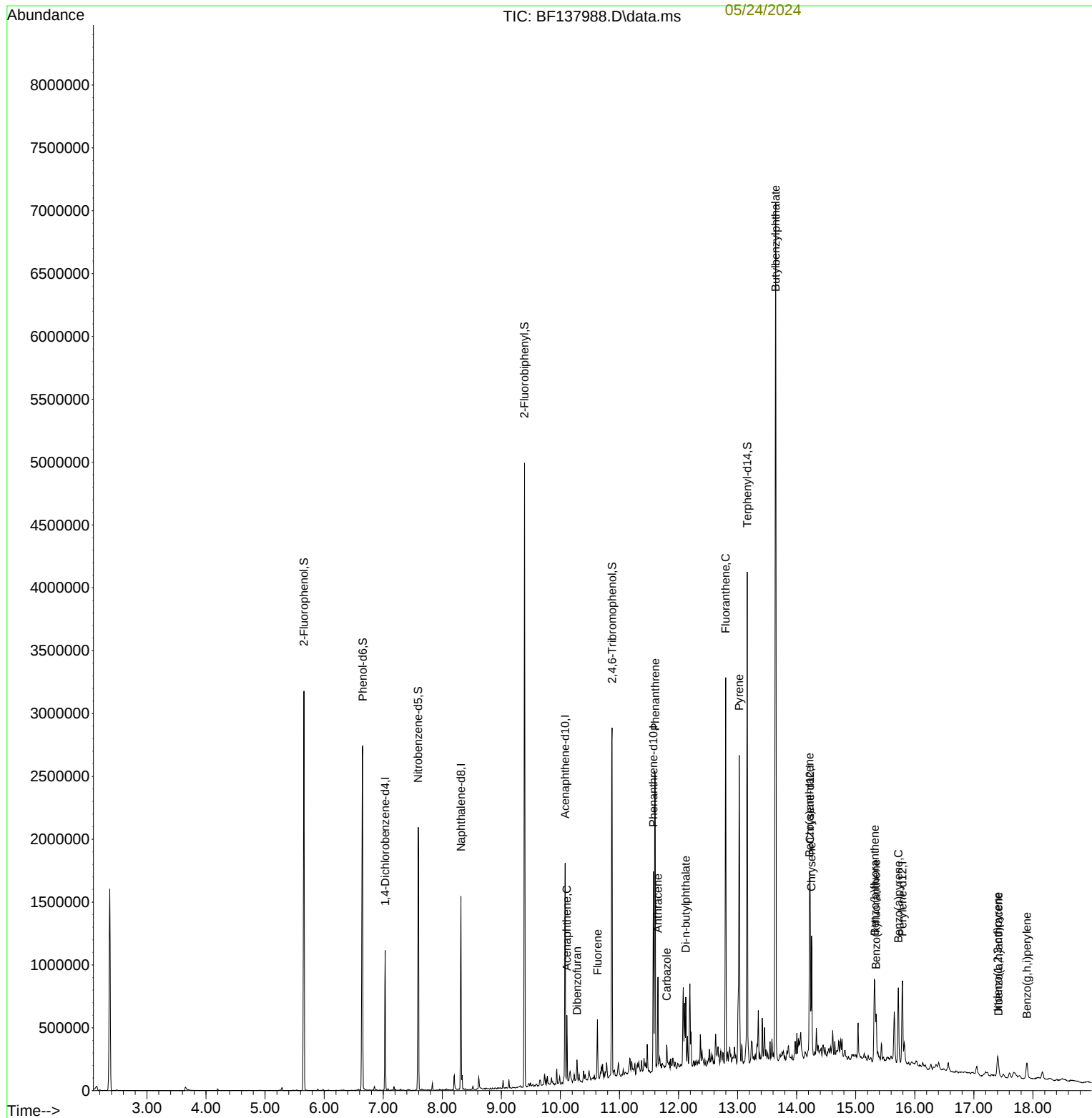
Instrument :
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POLE-SLEEVE-SOIL

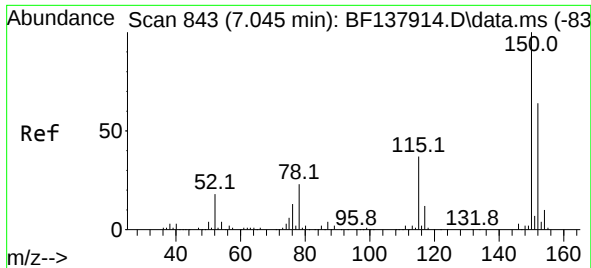
Quant Time: May 22 01:30:50 2024
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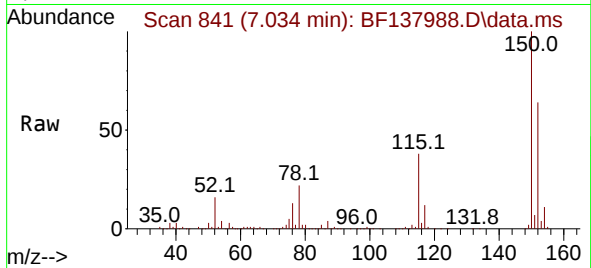
Supervised By :mohammad
ahmed
05/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.011 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

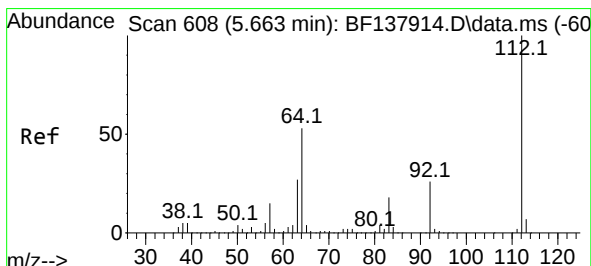
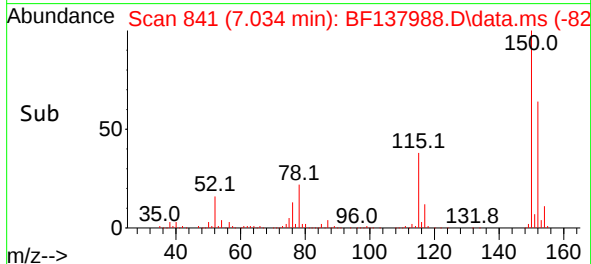
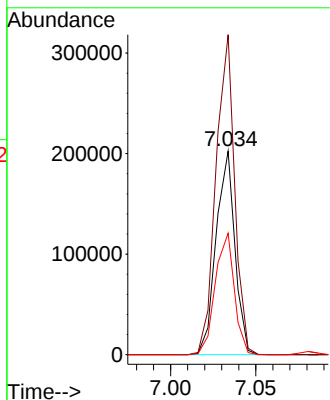


Tgt Ion:152 Resp: 155369
Ion Ratio Lower Upper
152 100
150 157.3 125.7 188.5
115 59.7 47.0 70.6

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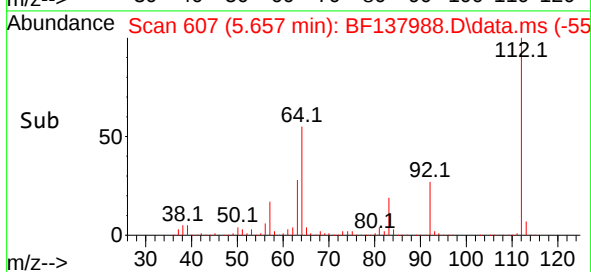
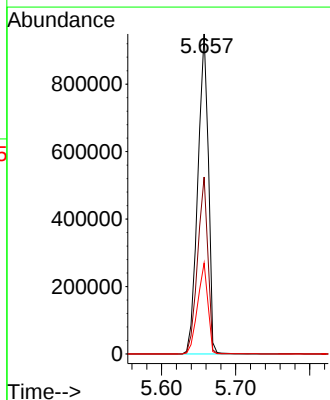
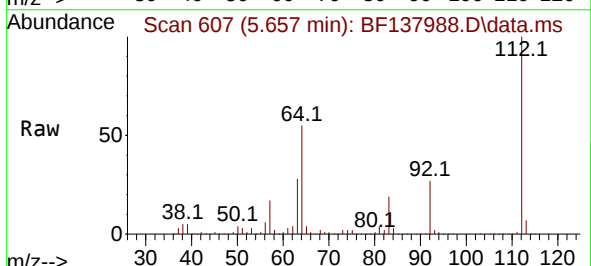
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

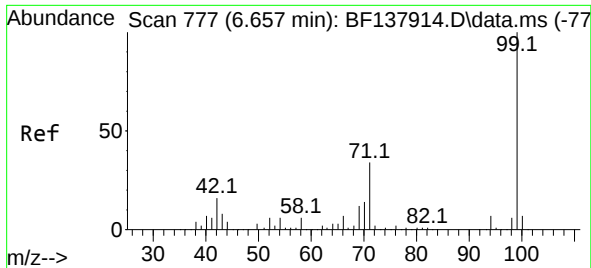
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#5
2-Fluorophenol
Concen: 102.373 ng
RT: 5.657 min Scan# 607
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

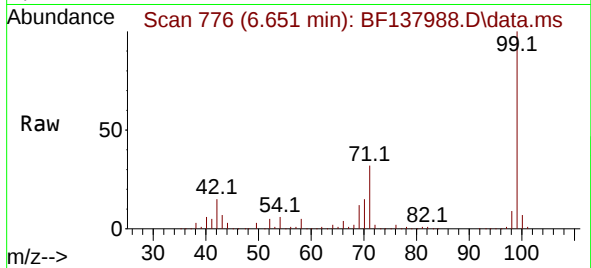
Tgt Ion:112 Resp: 936369
Ion Ratio Lower Upper
112 100
64 55.3 42.4 63.6
63 28.4 21.4 32.2





#7
Phenol-d6
Concen: 105.446 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Instrument :
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ClientSampleId :
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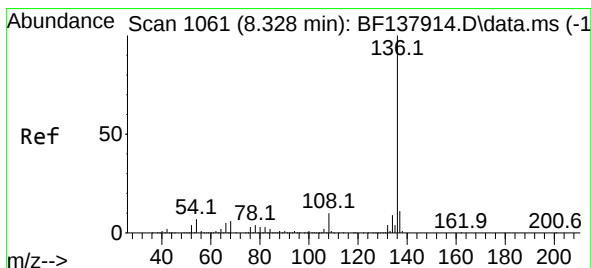
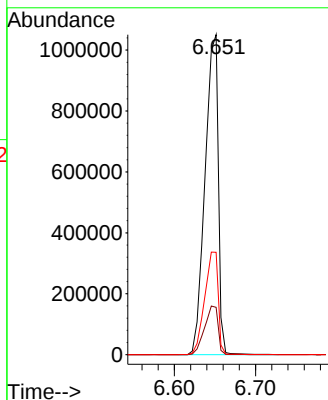
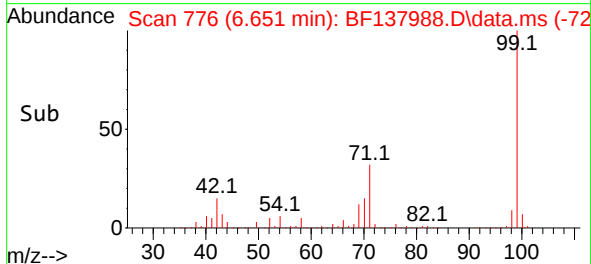


Tgt Ion: 99 Resp: 1188080
Ion Ratio Lower Upper
99 100
42 14.8 12.6 18.8
71 32.0 27.1 40.7

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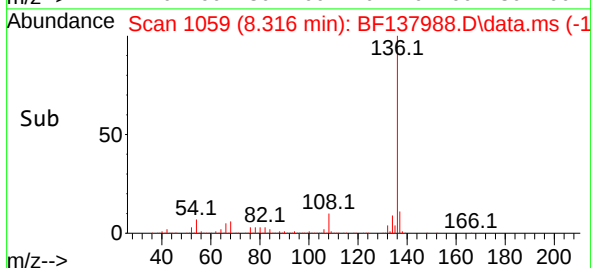
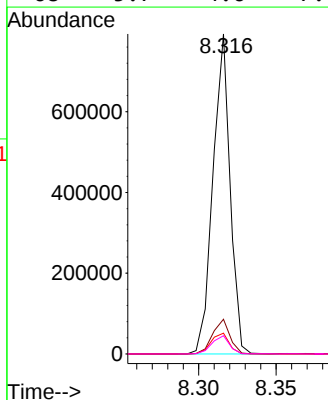
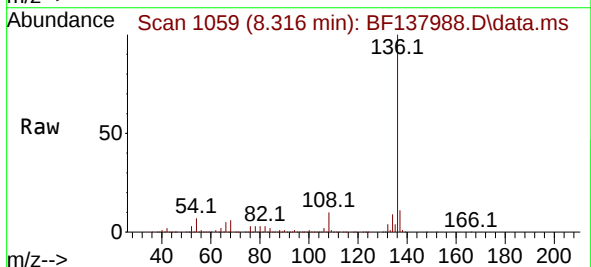
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

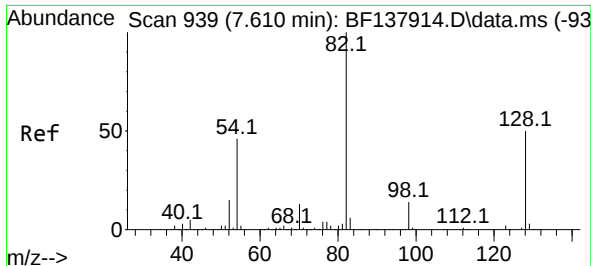
Supervised By :mohammad
ahmed
05/24/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion:136 Resp: 609082
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.5 5.4 8.2
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 69.524 ng

RT: 7.592 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL

Tgt Ion: 82 Resp: 719554

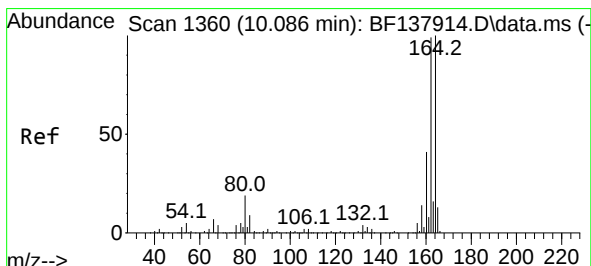
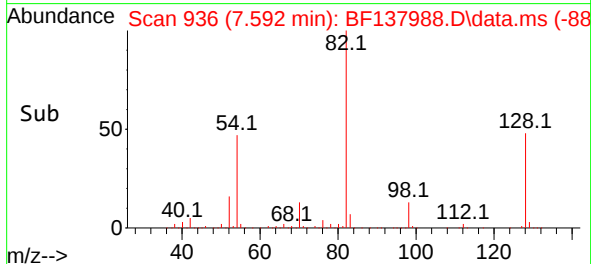
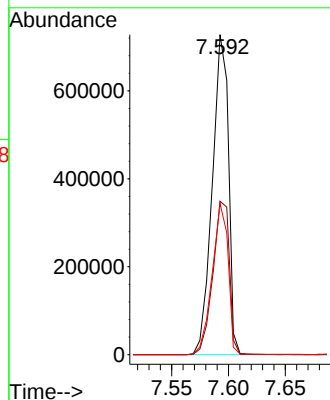
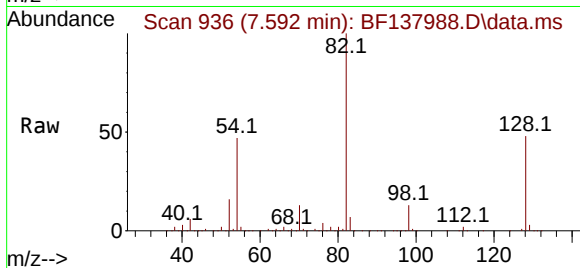
Ion	Ratio	Lower	Upper
82	100		
128	47.9	40.3	60.5
54	47.3	36.8	55.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.081 min Scan# 1359

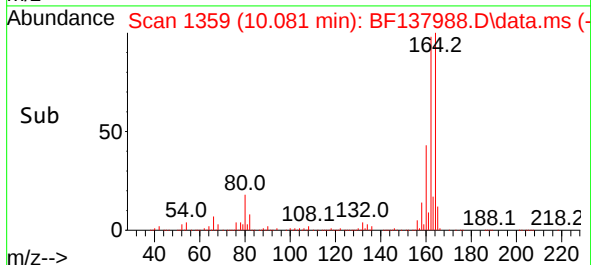
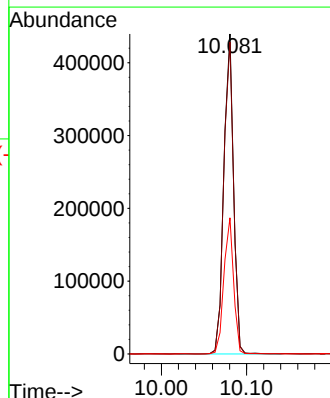
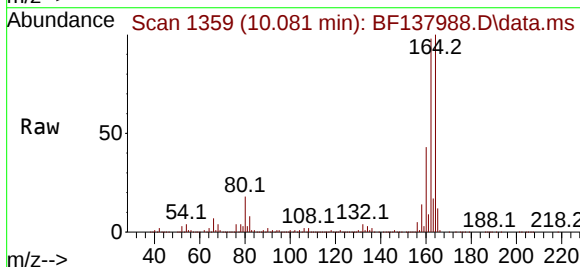
Delta R.T. -0.005 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Tgt Ion:164 Resp: 348567

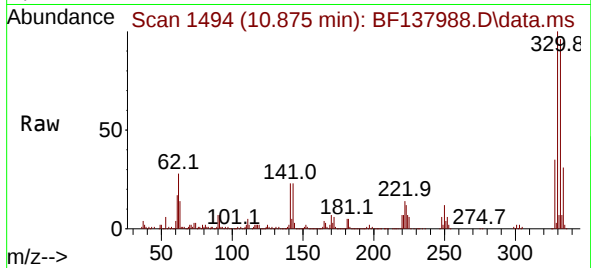
Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.4	119.2
160	42.5	33.1	49.7





#42
2,4,6-Tribromophenol
Concen: 109.856 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Instrument :
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ClientSampleId :
POLE-SLEEVE-SOIL

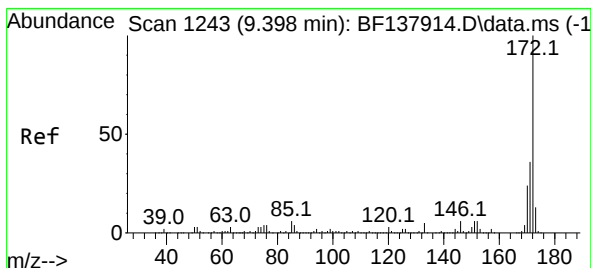
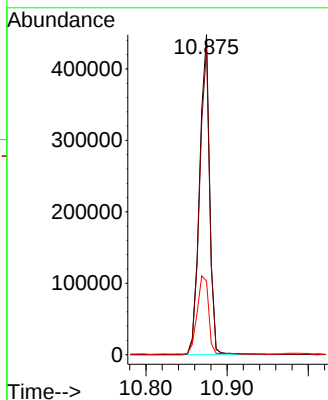
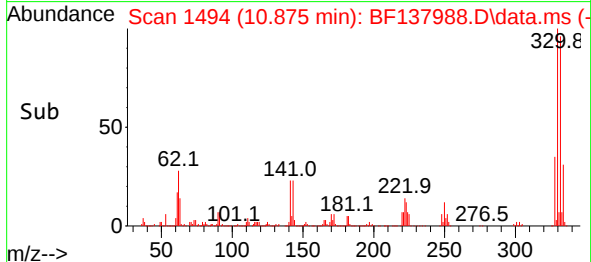


Tgt Ion: 330 Resp: 386100
Ion Ratio Lower Upper
330 100
332 95.6 75.8 113.8
141 28.5 23.8 35.6

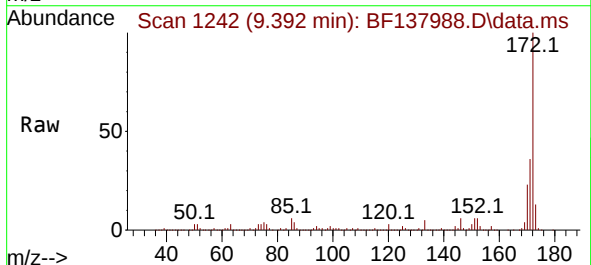
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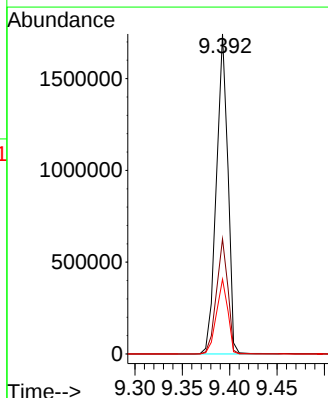
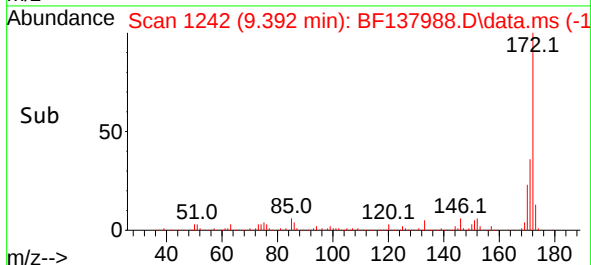
Supervised By : mohammad
ahmed
05/24/2024

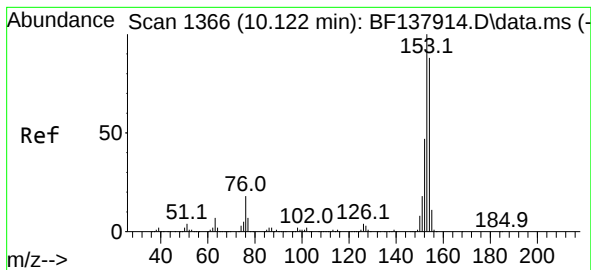


#45
2-Fluorobiphenyl
Concen: 64.758 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15



Tgt Ion: 172 Resp: 1465379
Ion Ratio Lower Upper
172 100
171 35.9 28.9 43.3
170 23.3 18.9 28.3





#52

Acenaphthene

Concen: 5.170 ng m

RT: 10.110 min Scan# 1366

Delta R.T. -0.012 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL

Tgt Ion:154 Resp: 95880

Ion Ratio Lower Upper

154 100

153 115.5 90.4 135.6

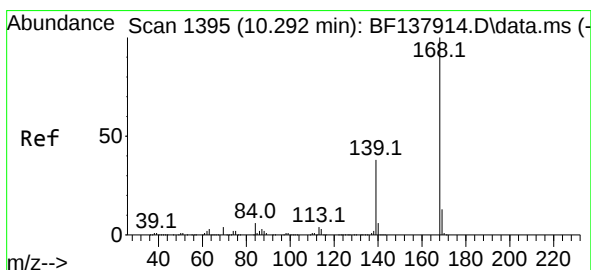
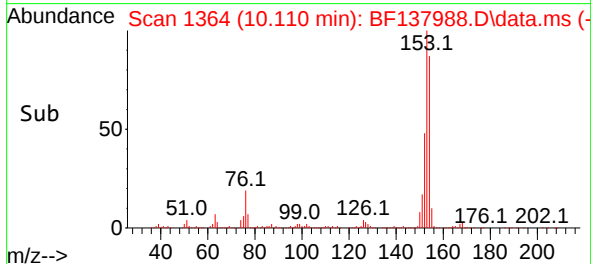
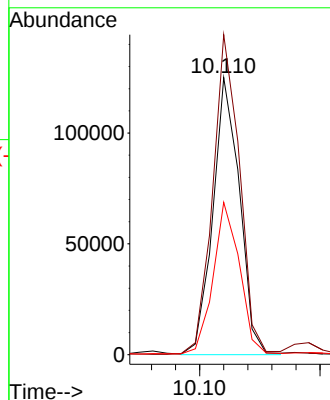
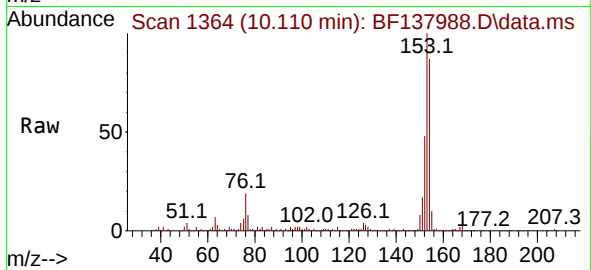
152 54.9 42.3 63.5

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05/24/2024



#55

Dibenzofuran

Concen: 2.188 ng

RT: 10.281 min Scan# 1393

Delta R.T. -0.012 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

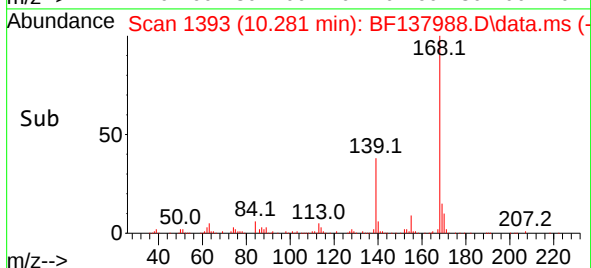
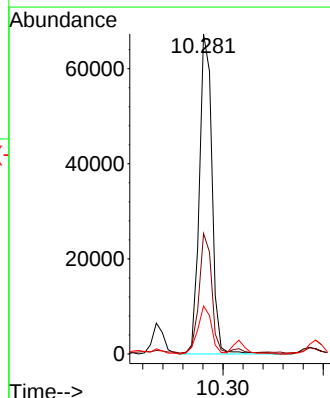
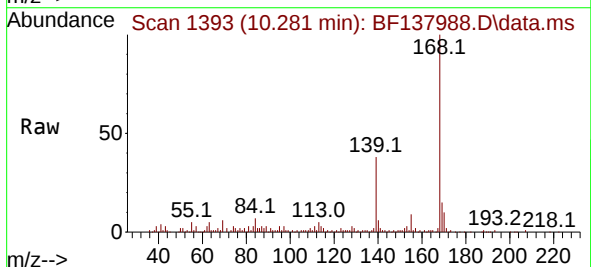
Tgt Ion:168 Resp: 59051

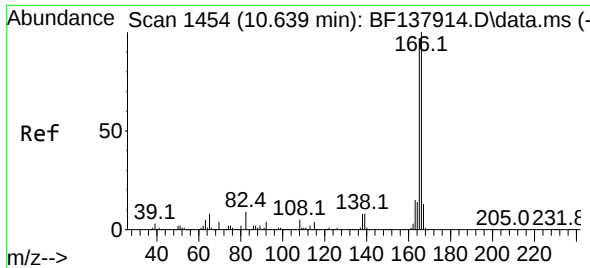
Ion Ratio Lower Upper

168 100

139 37.7 30.4 45.6

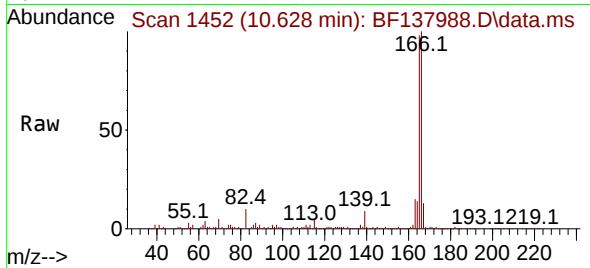
169 15.0 10.5 15.7





#58
Fluorene
Concen: 5.490 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Instrument :
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ClientSampleId :
POLE-SLEEVE-SOIL

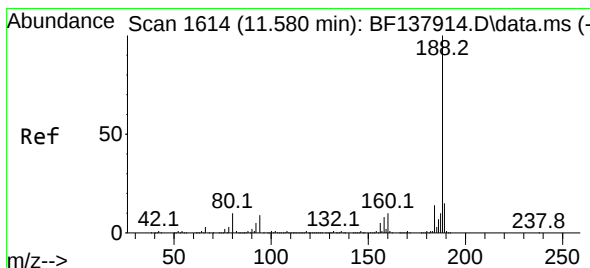
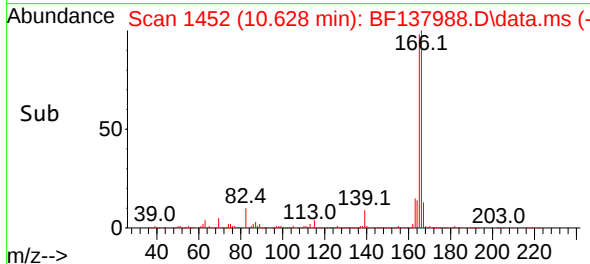
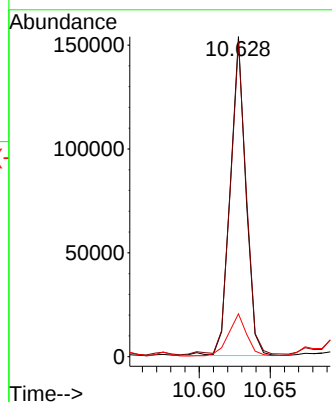


Tgt Ion:166 Resp: 117218
Ion Ratio Lower Upper
166 100
165 98.5 77.8 116.8
167 13.4 10.4 15.6

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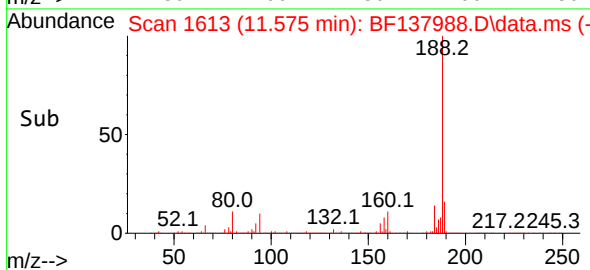
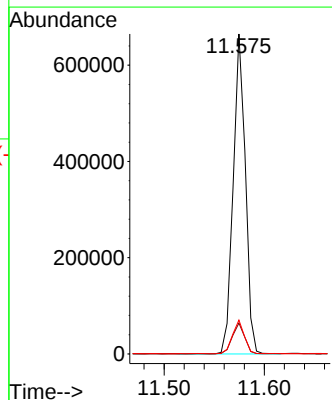
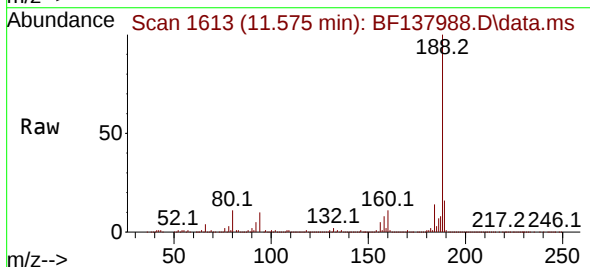
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

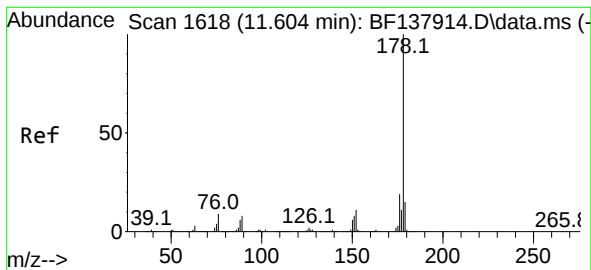
Supervised By :mohammad
ahmed
05/24/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

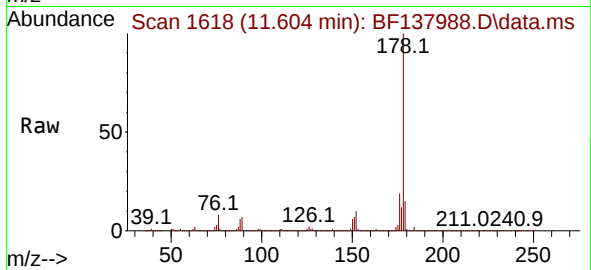
Tgt Ion:188 Resp: 559024
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.4
80 10.6 7.7 11.5





#71
Phenanthrene
Concen: 34.381 ng
RT: 11.604 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

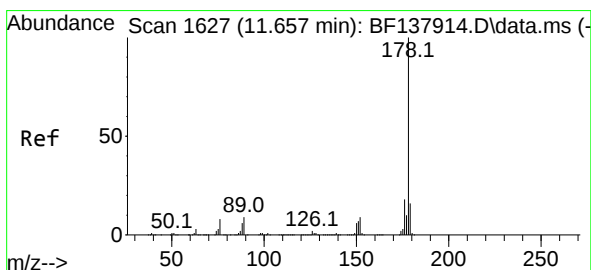
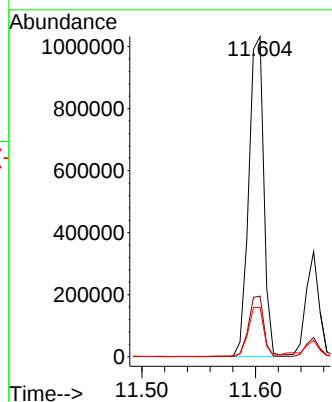
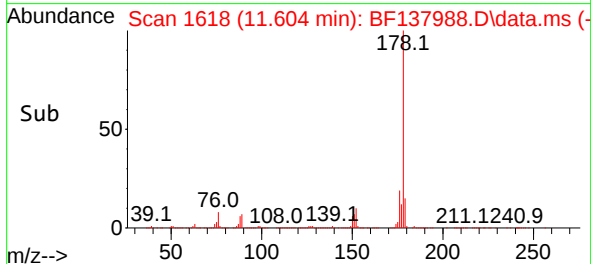


Tgt Ion:178 Resp: 947134
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.4 12.2 18.4

Manual Integrations
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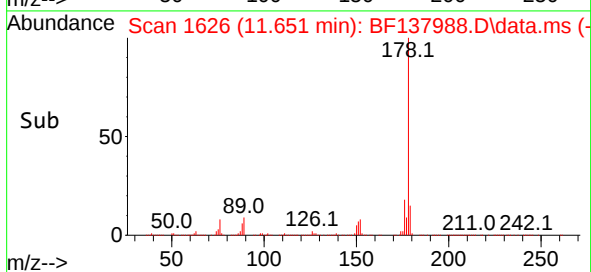
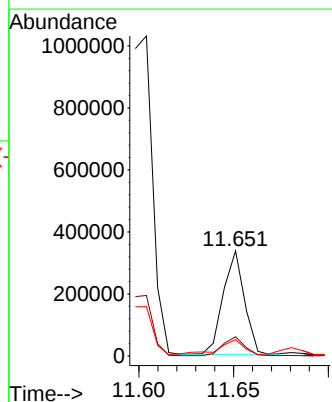
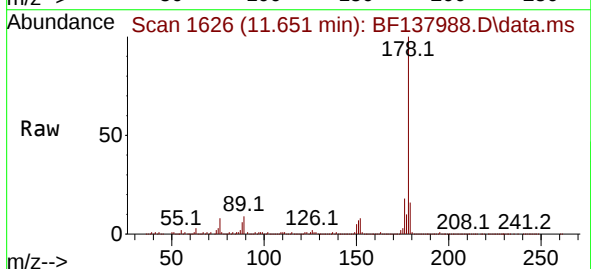
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

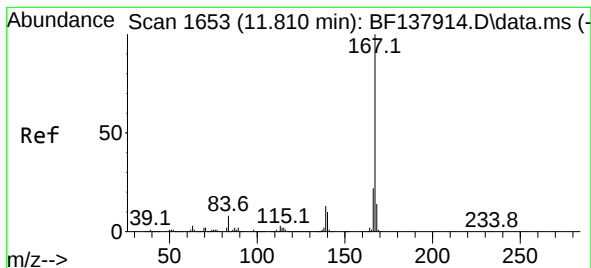
Supervised By :mohammad
ahmed
05/24/2024



#72
Anthracene
Concen: 9.531 ng
RT: 11.651 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

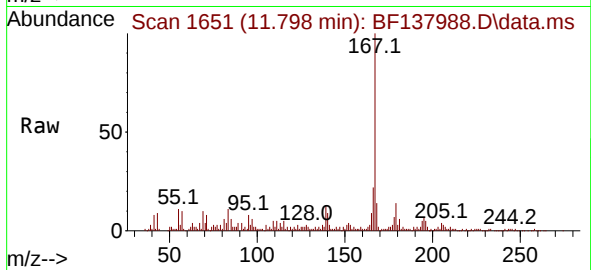
Tgt Ion:178 Resp: 260514
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 2.224 ng
 RT: 11.798 min Scan# 1651
 Delta R.T. -0.012 min
 Lab File: BF137988.D
 Acq: 21 May 2024 20:15

Instrument : BNA_F
 ClientSampleId : POLE-SLEEVE-SOIL

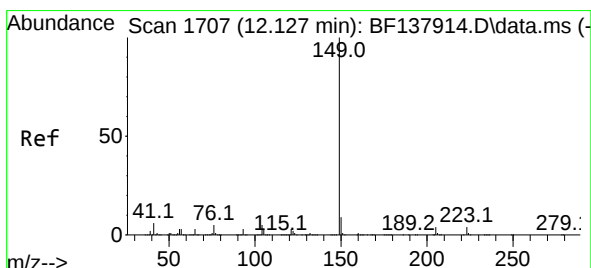
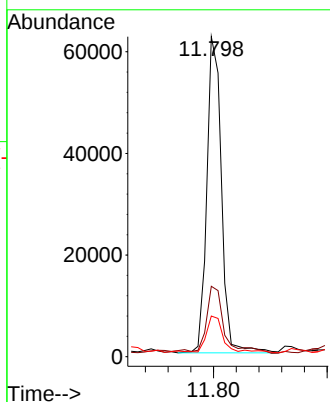
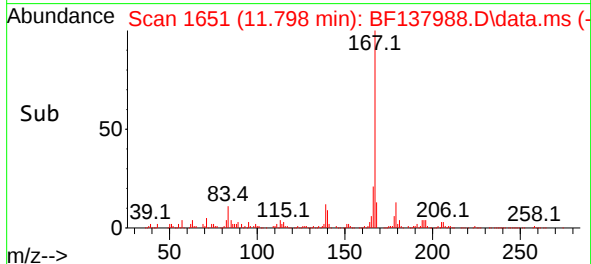


Tgt Ion:167 Resp: 55518
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.3 25.9
 139 12.7 10.3 15.5

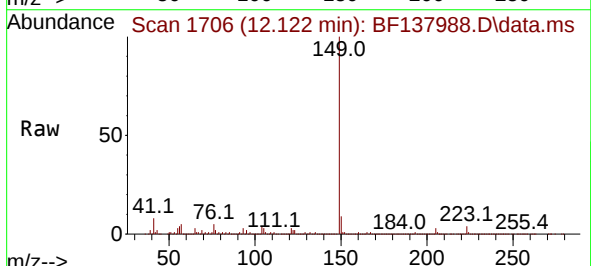
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 Supervised By :mohammad ahmed 05/24/2024

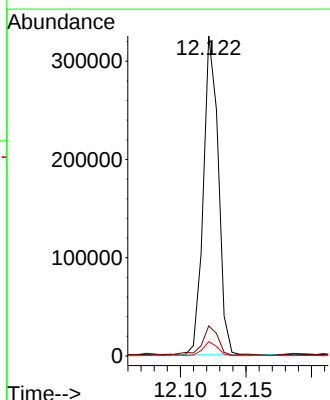
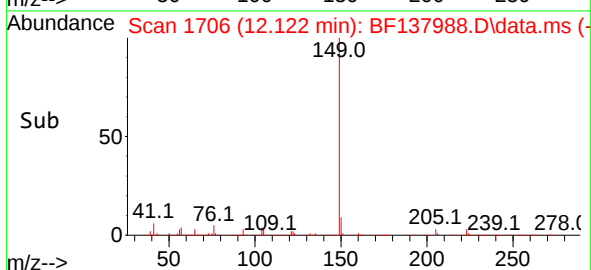
Supervised By :mohammad
 ahmed
 05/24/2024

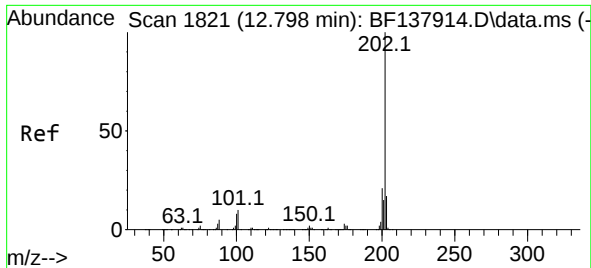


#74
 Di-n-butylphthalate
 Concen: 9.311 ng
 RT: 12.122 min Scan# 1706
 Delta R.T. -0.006 min
 Lab File: BF137988.D
 Acq: 21 May 2024 20:15



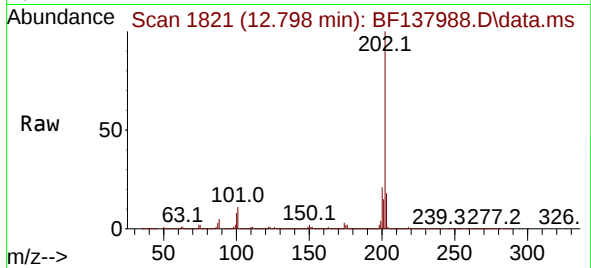
Tgt Ion:149 Resp: 257999
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 4.5 3.6 5.4





#75
Fluoranthene
Concen: 40.503 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

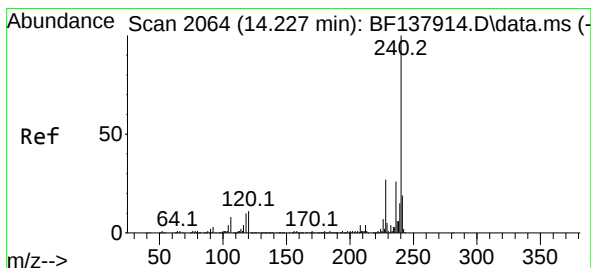
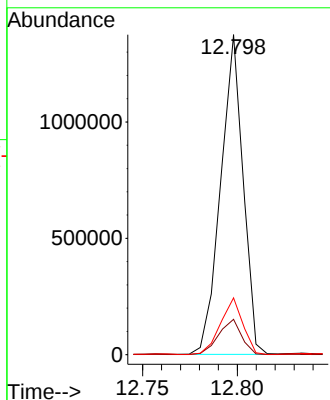
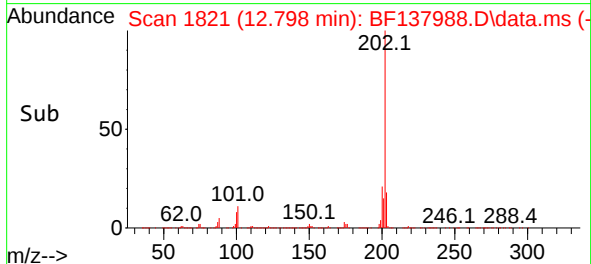


Tgt Ion:202 Resp: 113254
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.5
203 17.8 0.0 37.3

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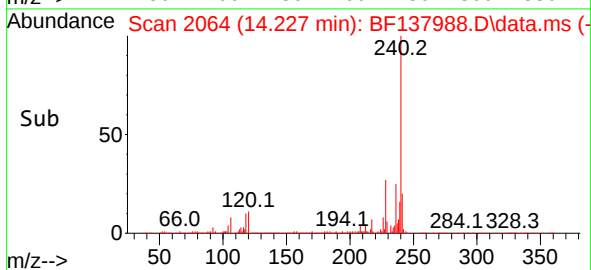
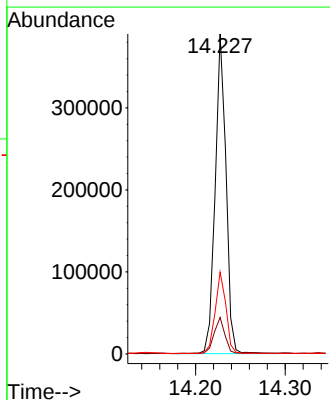
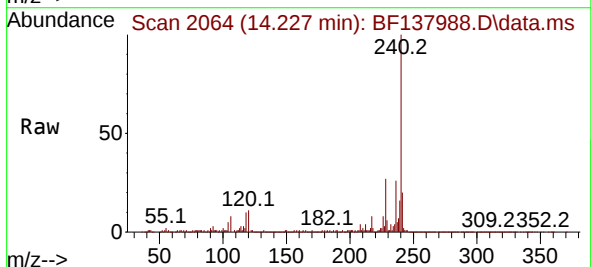
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

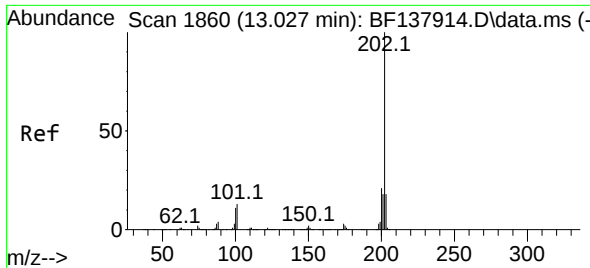
Supervised By :mohammad
ahmed
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

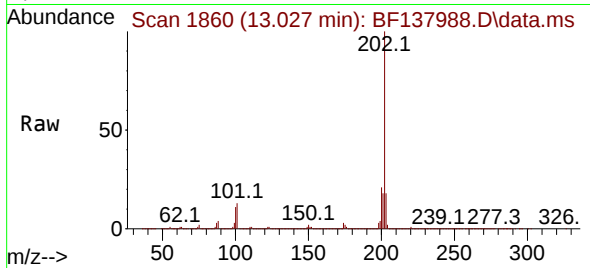
Tgt Ion:240 Resp: 327326
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 25.6 21.0 31.4





#78
 Pyrene
 Concen: 36.075 ng
 RT: 13.027 min Scan# 1860
 Delta R.T. 0.000 min
 Lab File: BF137988.D
 Acq: 21 May 2024 20:15

Instrument :
 BNA_F
 ClientSampleId :
 POLE-SLEEVE-SOIL

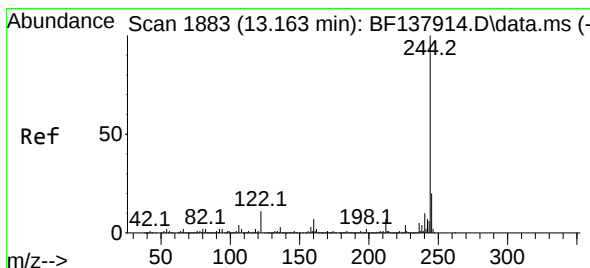
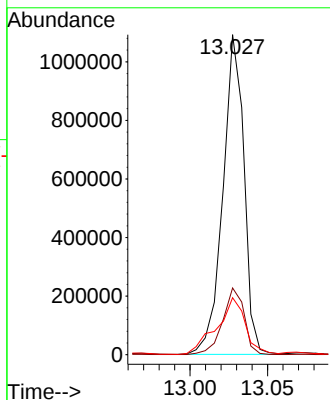
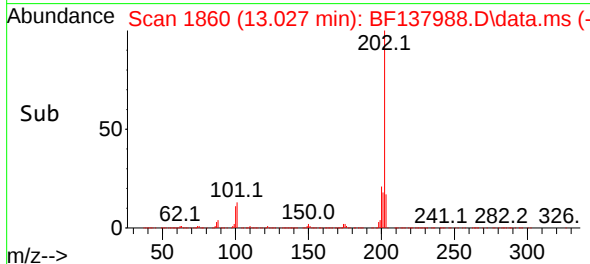


Tgt Ion:202 Resp: 103281
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.0 25.4
 203 17.8 14.1 21.1

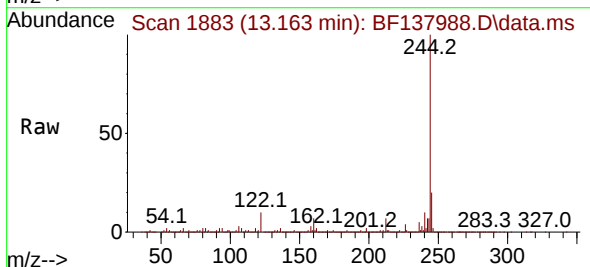
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Reviewed By :Jagrut Upadhyay 05/22/2024
 Supervised By :mohammad ahmed 05/24/2024

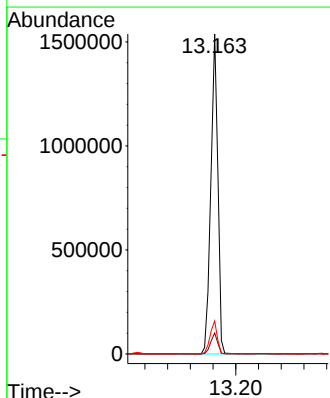
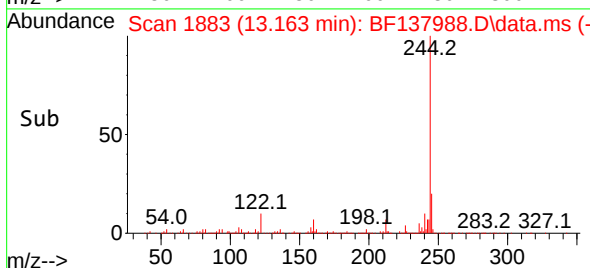
Supervised By :mohammad
 ahmed
 05/24/2024

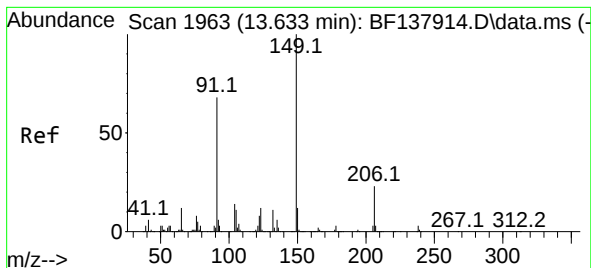


#79
 Terphenyl-d14
 Concen: 58.928 ng
 RT: 13.163 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: BF137988.D
 Acq: 21 May 2024 20:15



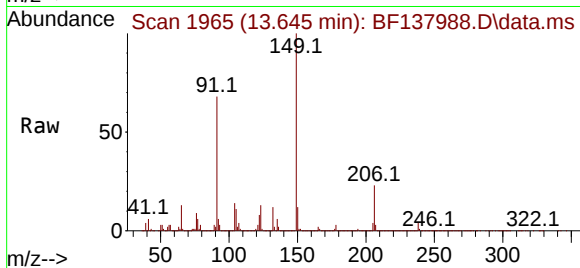
Tgt Ion:244 Resp: 1308767
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.3 8.8 13.2





#80
Butylbenzylphthalate
Concen: 227.474 ng
RT: 13.645 min Scan# 1963
Delta R.T. 0.012 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

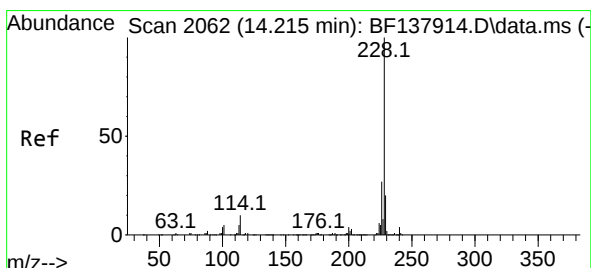
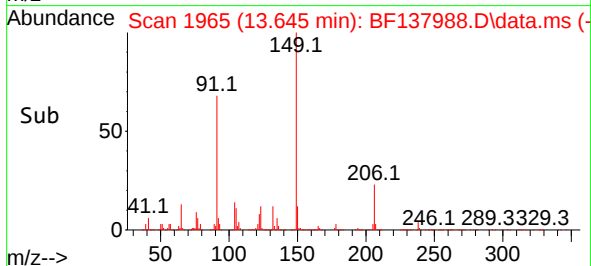
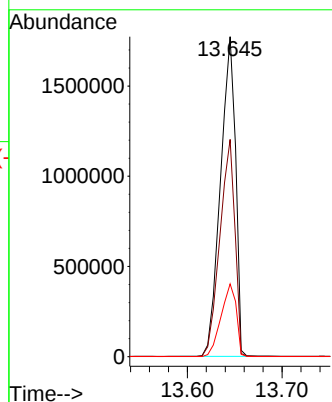


Tgt Ion:149 Resp: 1964328
Ion Ratio Lower Upper
149 100
91 67.9 54.2 81.4
206 22.8 18.1 27.1

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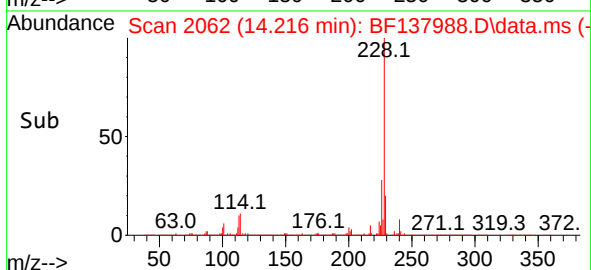
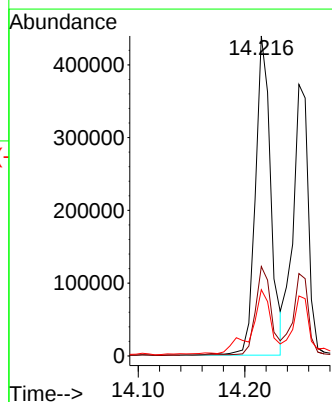
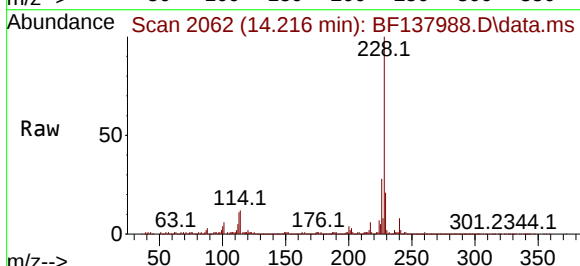
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

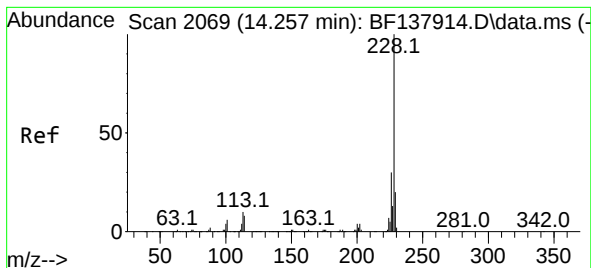
Supervised By :mohammad
ahmed
05/24/2024



#81
Benzo(a)anthracene
Concen: 21.210 ng
RT: 14.216 min Scan# 2062
Delta R.T. 0.000 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion:228 Resp: 439234
Ion Ratio Lower Upper
228 100
226 27.9 21.3 31.9
229 20.7 15.7 23.5





#83

Chrysene

Concen: 18.982 ng

RT: 14.251 min Scan# 2068

Delta R.T. -0.006 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL

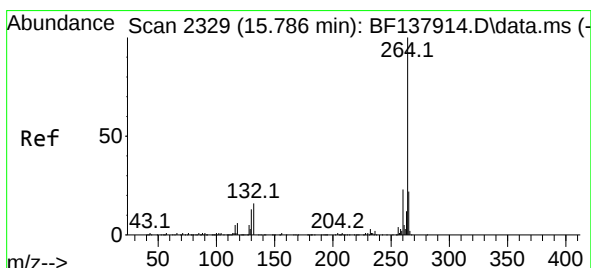
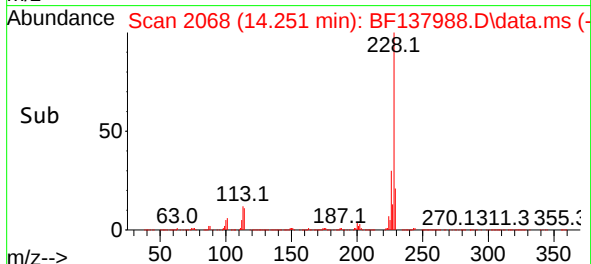
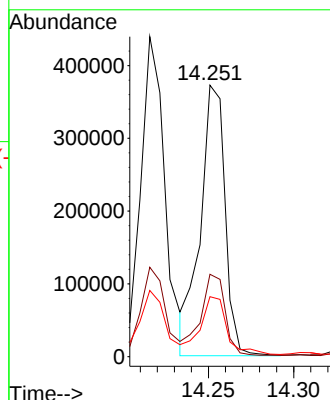
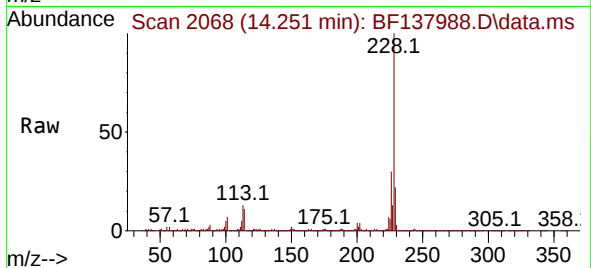
Tgt Ion:	228	Resp:	37594
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.8	35.8
229	22.1	15.6	23.4

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Supervised By :mohammad
ahmed
05/24/2024



#86

Perylene-d12

Concen: 20.000 ng

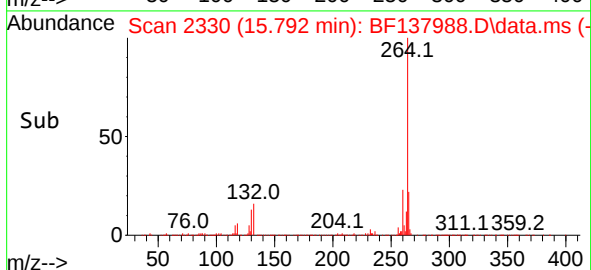
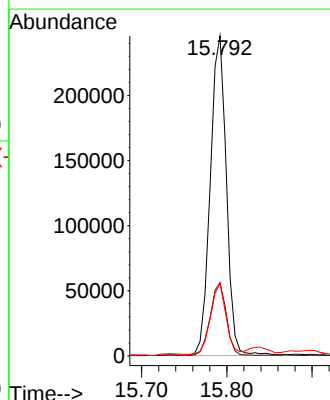
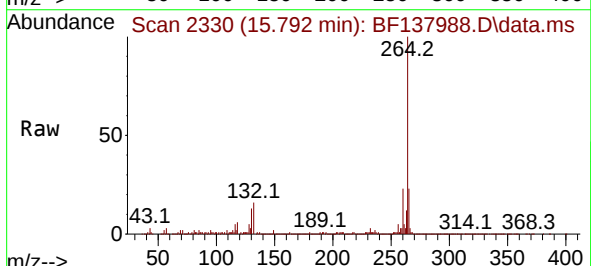
RT: 15.792 min Scan# 2330

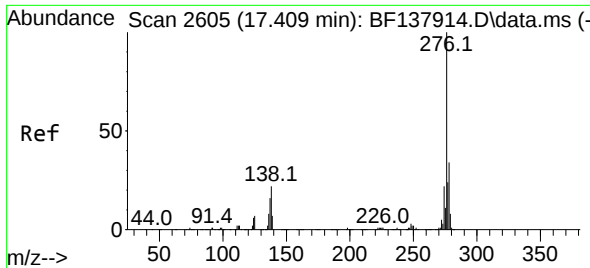
Delta R.T. 0.006 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

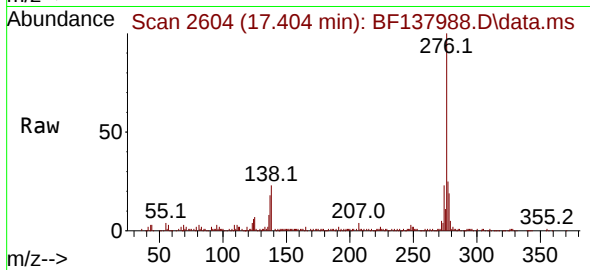
Tgt Ion:	264	Resp:	321847
Ion Ratio	Lower	Upper	
264	100		
260	22.9	18.3	27.5
265	22.6	17.6	26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.792 ng
RT: 17.404 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

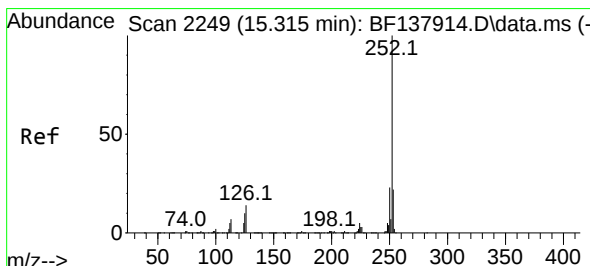
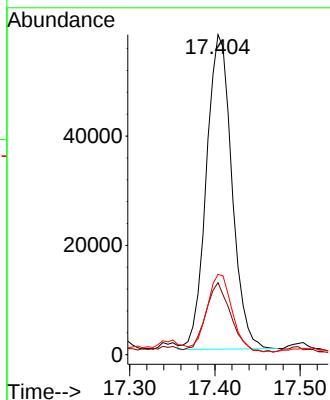
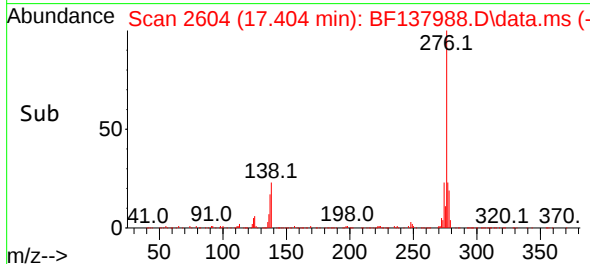


Tgt Ion:276 Resp: 11976
Ion Ratio Lower Upper
276 100
138 22.0 20.6 30.8
277 24.3 20.2 30.2

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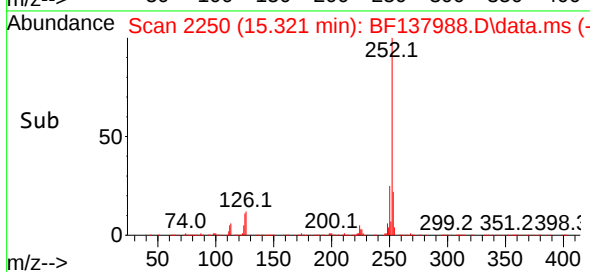
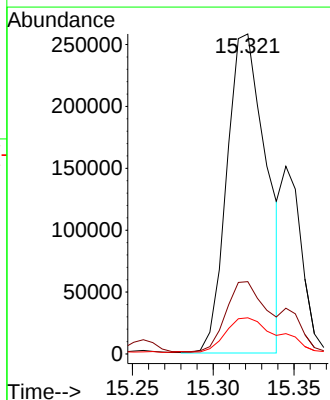
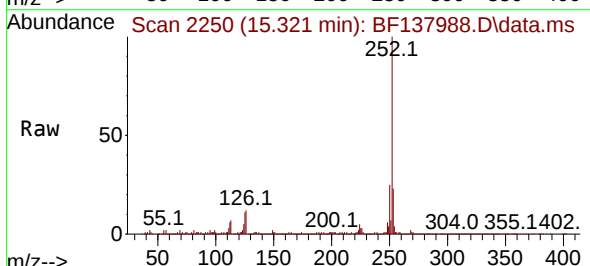
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

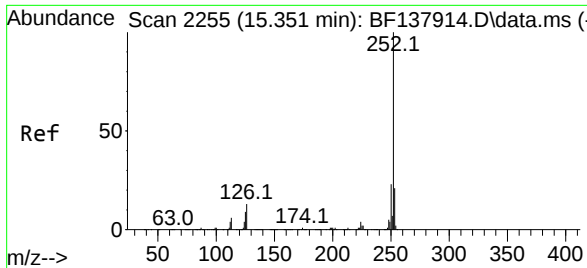
Supervised By :mohammad
ahmed
05/24/2024



#88
Benzo(b)fluoranthene
Concen: 23.506 ng m
RT: 15.321 min Scan# 2250
Delta R.T. 0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion:252 Resp: 438031
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.3 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 7.061 ng m

RT: 15.345 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137988.D

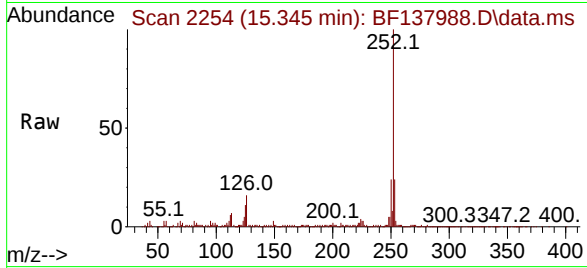
Acq: 21 May 2024 20:15

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL



Tgt Ion:252 Resp: 129270

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.0
125	10.8	7.7	11.5

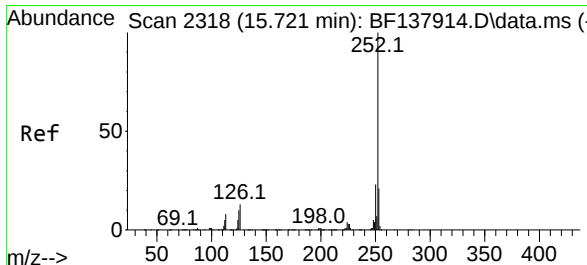
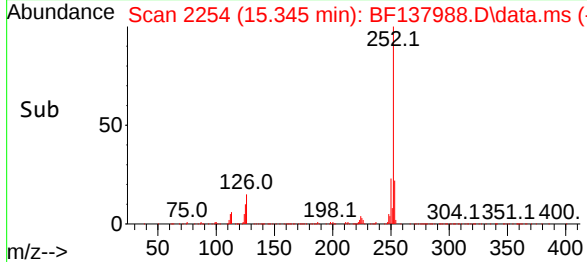
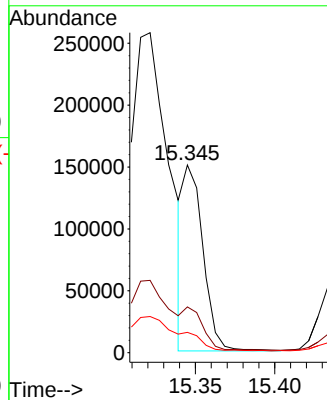
Manual Integrations

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Supervised By :mohammad ahmed 05/24/2024

Supervised By :mohammad
ahmed
05/24/2024



#90

Benzo(a)pyrene

Concen: 19.379 ng

RT: 15.721 min Scan# 2318

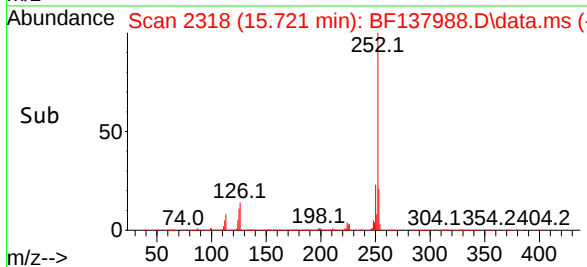
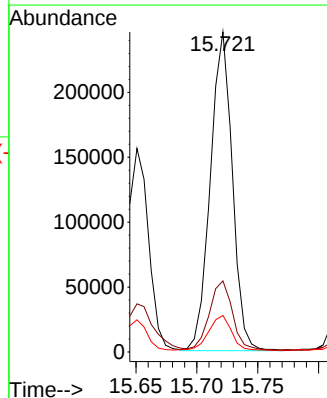
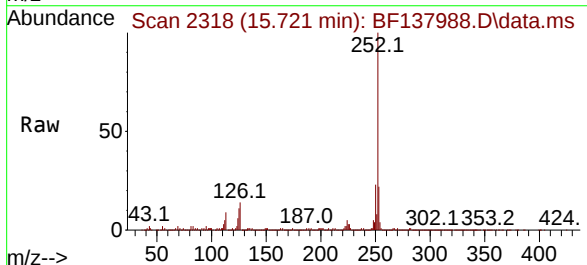
Delta R.T. 0.000 min

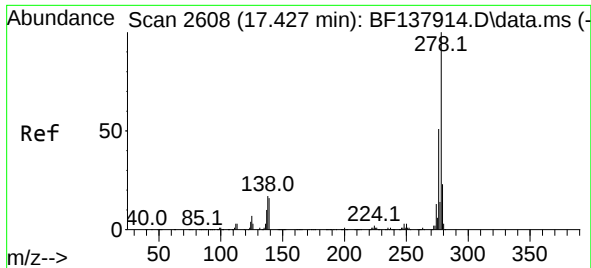
Lab File: BF137988.D

Acq: 21 May 2024 20:15

Tgt Ion:252 Resp: 308370

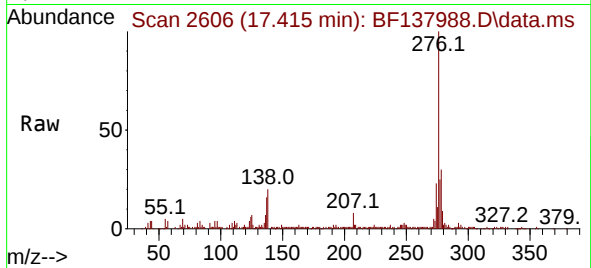
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	11.4	7.8	11.8





#91
Dibenzo(a,h)anthracene
Concen: 2.130 ng m
RT: 17.415 min Scan# 2606
Delta R.T. -0.012 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

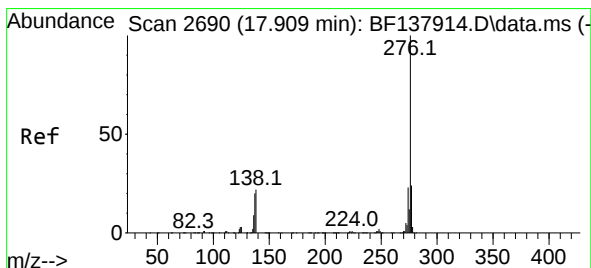
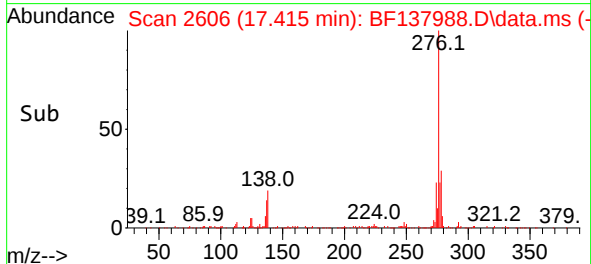
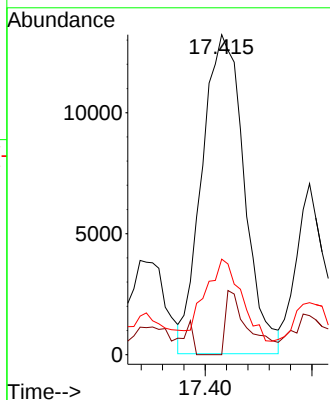


Tgt Ion:278 Resp: 3638
Ion Ratio Lower Upper
278 100
139 0.0 13.1 19.7
279 29.8 18.5 27.7

Manual Integrations
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Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

Supervised By :mohammad
ahmed
05/24/2024



#92
Benzo(g,h,i)perylene
Concen: 6.119 ng
RT: 17.898 min Scan# 2688
Delta R.T. -0.012 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion:276 Resp: 109818
Ion Ratio Lower Upper
276 100
277 23.5 18.9 28.3
138 20.4 17.6 26.4

