

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
 Data File : BF130504.D
 Acq On : 03 Oct 2022 18:00
 Operator : CG\JU
 Sample : N4943-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-002-0930

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/04/2022
 Supervised By :mohammad ahmed 10/06/2022

Quant Time: Oct 04 03:17:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.634	152	92152	20.000	ng	-0.01
21) Naphthalene-d8	7.916	136	366523	20.000	ng	-0.01
39) Acenaphthene-d10	9.669	164	179399	20.000	ng	-0.01
64) Phenanthrene-d10	11.151	188	270536	20.000	ng	0.00
76) Chrysene-d12	13.780	240	138575	20.000	ng	-0.01
86) Perylene-d12	15.168	264	163797	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.240	112	510572	96.099	ng	0.00
7) Phenol-d6	6.281	99	656876	98.811	ng	-0.01
23) Nitrobenzene-d5	7.204	82	415276	57.884	ng	-0.01
42) 2,4,6-Tribromophenol	10.457	330	137674	80.090	ng	-0.01
45) 2-Fluorobiphenyl	8.998	172	700961	56.897	ng	-0.01
79) Terphenyl-d14	12.733	244	489155	58.472	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.940	128	726234	38.460	ng	100
37) 2-Methylnaphthalene	8.634	142	369142	30.661	ng	98
38) 1-Methylnaphthalene	8.728	142	177470	15.345	ng	100
46) 1,1'-Biphenyl	9.092	154	91347	6.818	ng	98
52) Acenaphthene	9.704	154	283406	26.543	ng	100
55) Dibenzofuran	9.875	168	446908	30.093	ng	98
58) Fluorene	10.216	166	446356	36.751	ng	100
71) Phenanthrene	11.180	178	1437617	94.648	ng	99
72) Anthracene	11.222	178	125038	8.531	ng	99
73) Carbazole	11.386	167	39184	2.962	ng	98
75) Fluoranthene	12.357	202	583292	39.742	ng	99
78) Pyrene	12.586	202	358509	29.574	ng	99
81) Benzo(a)anthracene	13.769	228	69894	7.582	ng	98
83) Chrysene	13.804	228	55109	6.296	ng	95
88) Benzo(b)fluoranthene	14.780	252	33366m	3.121	ng	
90) Benzo(a)pyrene	15.110	252	22268	2.629	ng	97

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

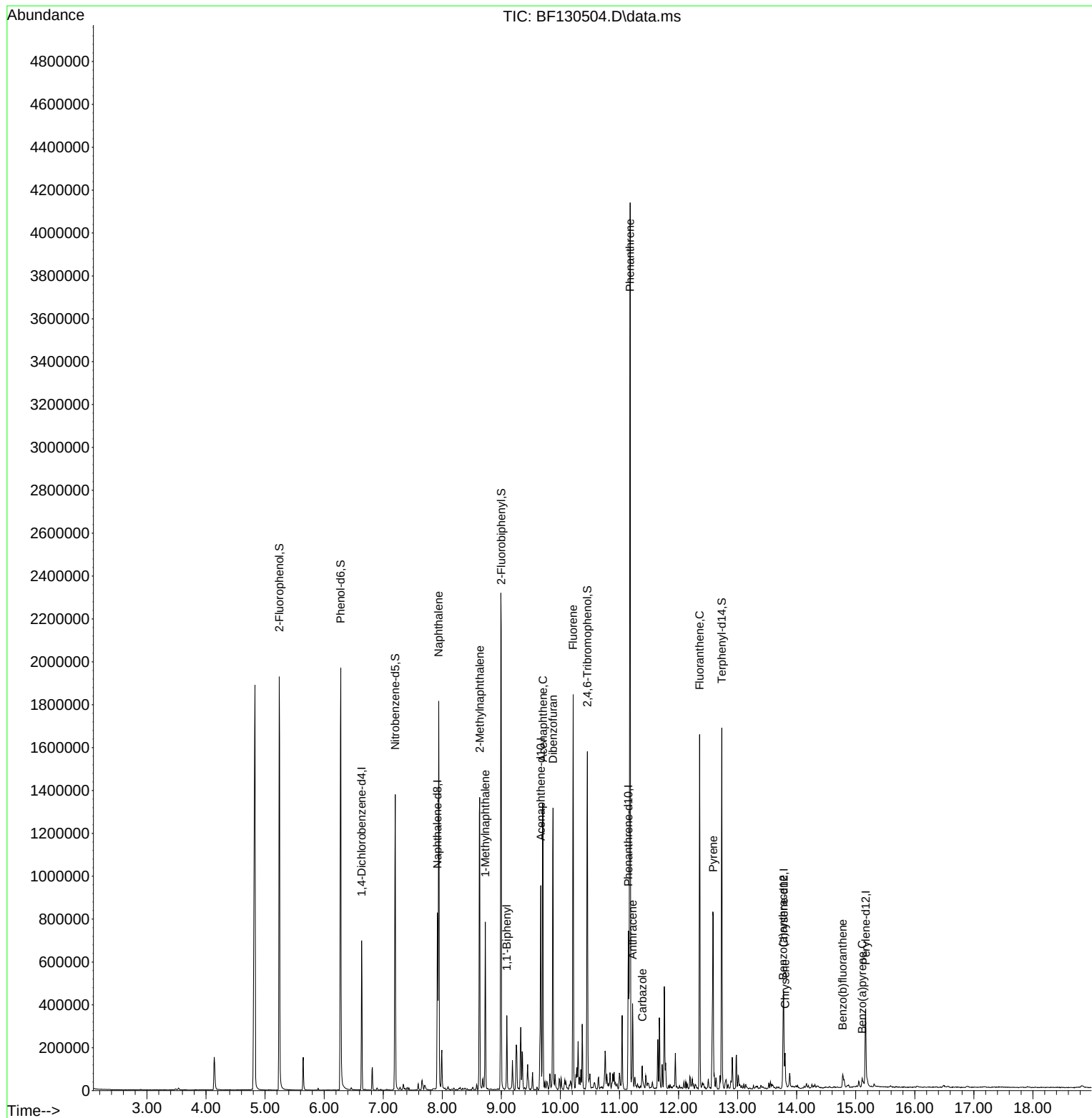
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
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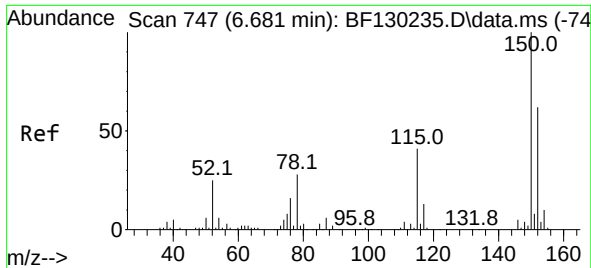
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
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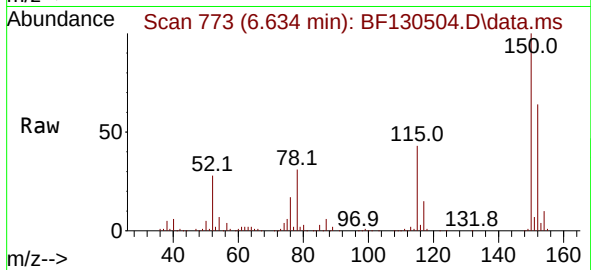
Reviewed By :Jagrut Upadhyay 10/04/2022
Supervised By :mohammad ahmed 10/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.634 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

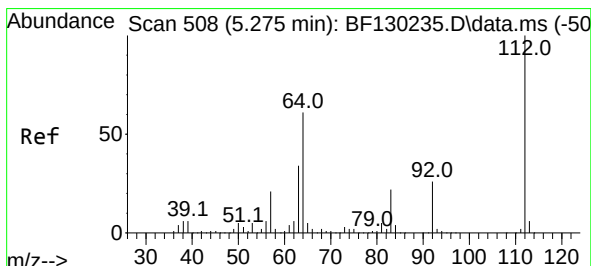
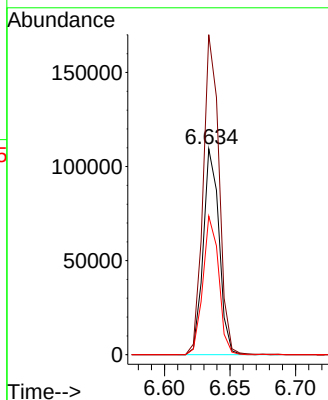
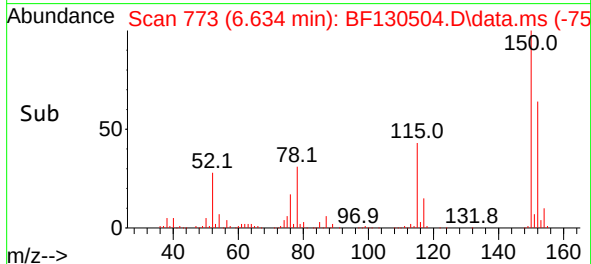
Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930



Tgt Ion:152 Resp: 92152
Ion Ratio Lower Upper
152 100
150 155.4 122.8 184.2
115 67.3 53.8 80.8

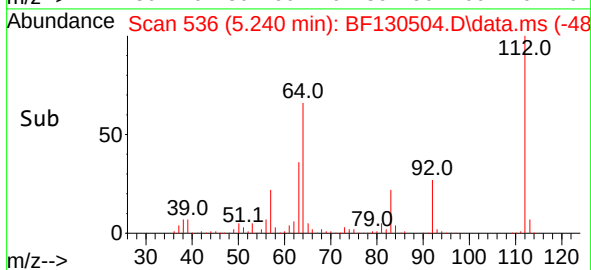
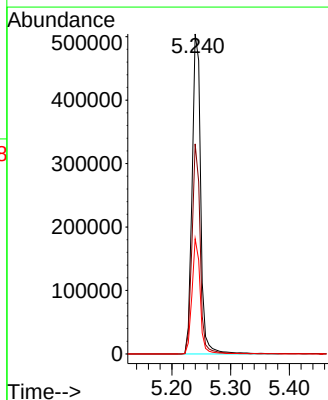
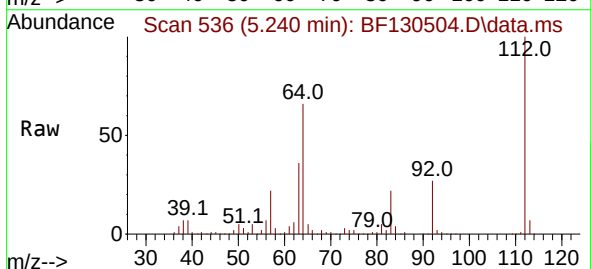
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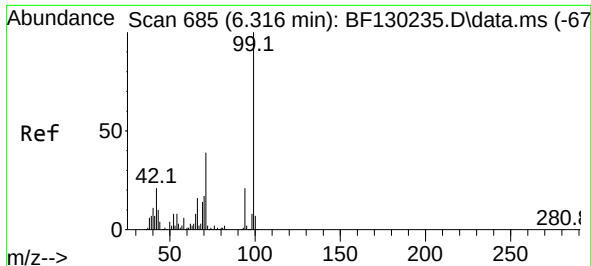
Reviewed By :Jagrut Upadhyay 10/04/2022
Supervised By :mohammad ahmed 10/06/2022



#5
2-Fluorophenol
Concen: 96.099 ng
RT: 5.240 min Scan# 536
Delta R.T. -0.006 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

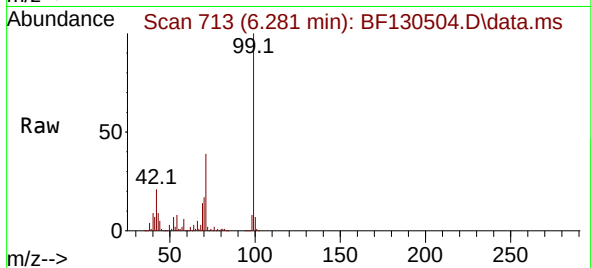
Tgt Ion:112 Resp: 510572
Ion Ratio Lower Upper
112 100
64 65.6 51.4 77.0
63 36.0 28.8 43.2





#7
Phenol-d6
Concen: 98.811 ng
RT: 6.281 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

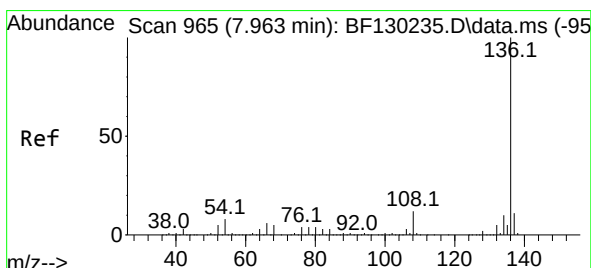
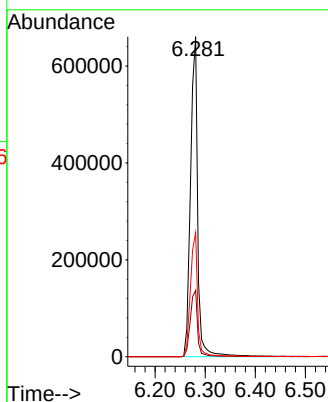
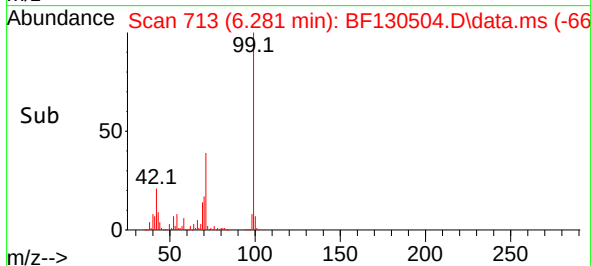
Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930



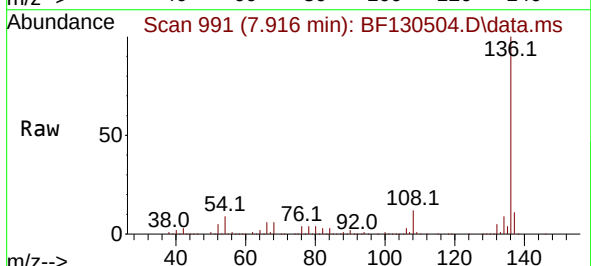
Tgt Ion: 99 Resp: 656870
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 38.7 32.3 48.5

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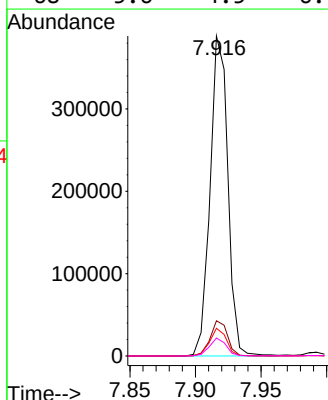
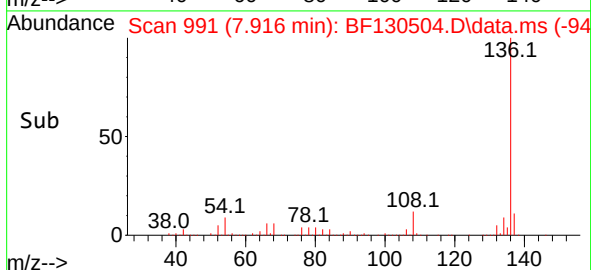
Reviewed By :Jagrut Upadhyay 10/04/2022
Supervised By :mohammad ahmed 10/06/2022

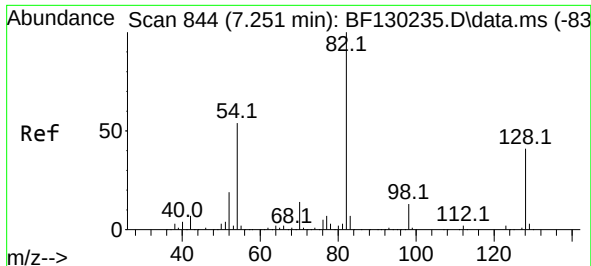


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00



Tgt Ion:136 Resp: 366523
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.7 7.1 10.7
68 5.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 57.884 ng

RT: 7.204 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130504.D

Acq: 03 Oct 2022 18:00

Instrument :

BNA_F

ClientSampleId :

SOIL-002-0930

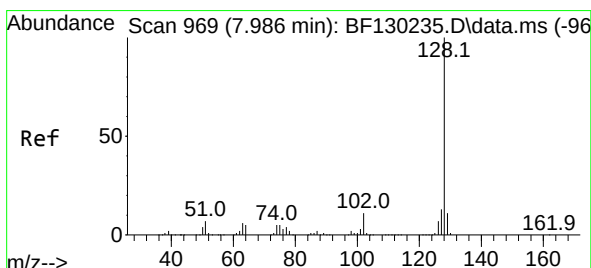
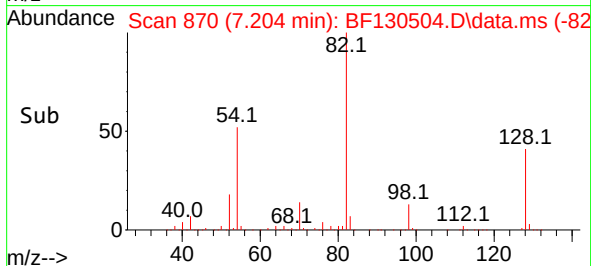
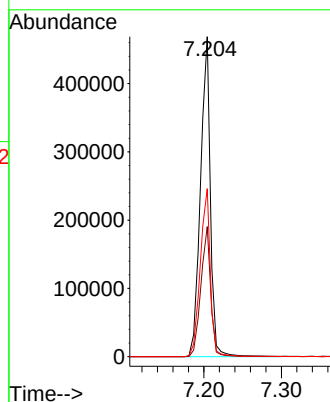
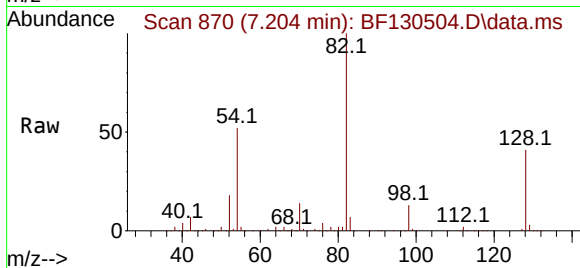
Tgt Ion: 82 Resp: 415270

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.6	49.0
54	52.5	43.8	65.6

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#31

Naphthalene

Concen: 38.460 ng

RT: 7.940 min Scan# 995

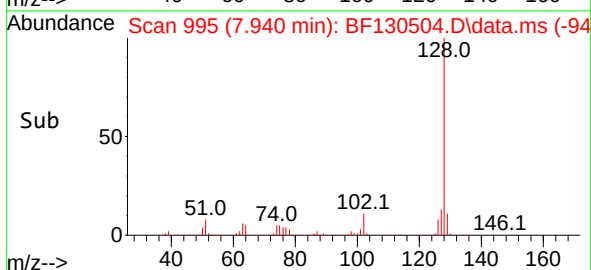
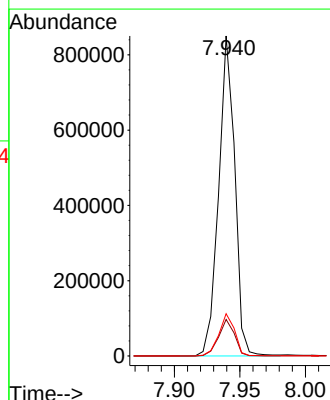
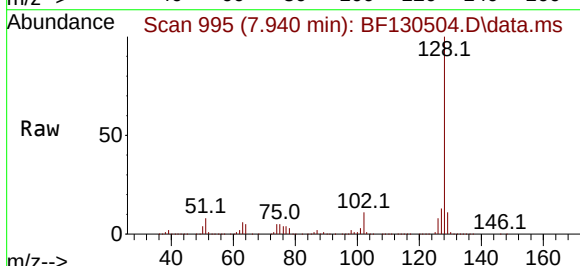
Delta R.T. -0.012 min

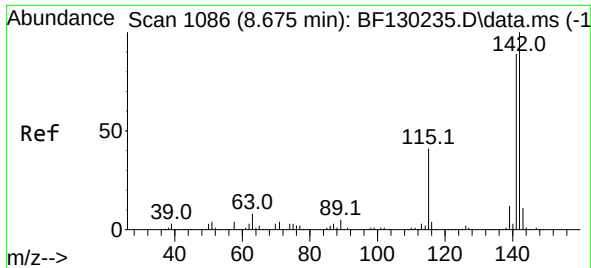
Lab File: BF130504.D

Acq: 03 Oct 2022 18:00

Tgt Ion:128 Resp: 726234

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.2	10.6	16.0





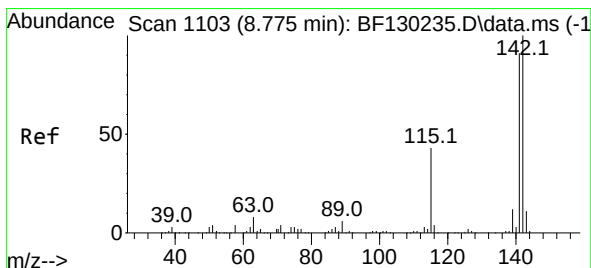
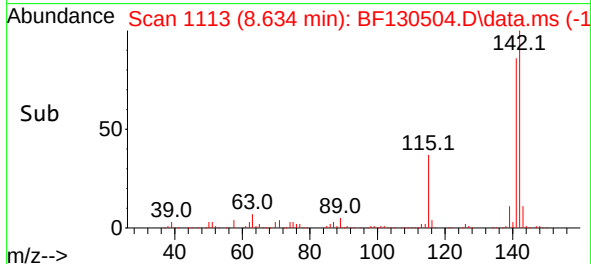
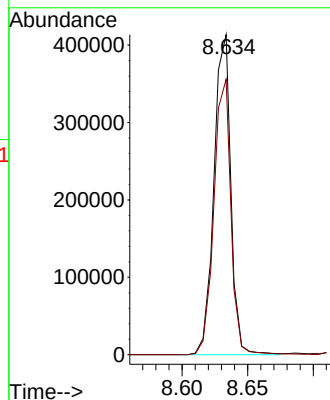
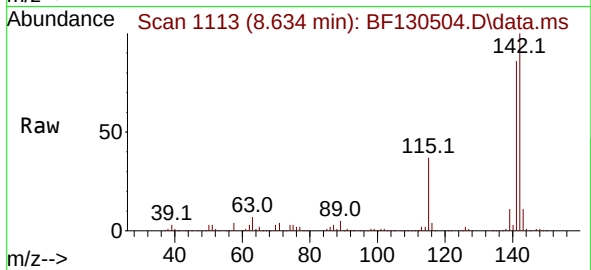
#37
2-Methylnaphthalene
Concen: 30.661 ng
RT: 8.634 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

Instrument :
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ClientSampleId :
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Tgt Ion:142 Resp: 36914
Ion Ratio Lower Upper
142 100
141 86.1 70.0 105.0

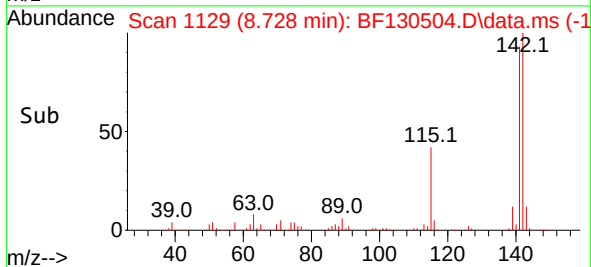
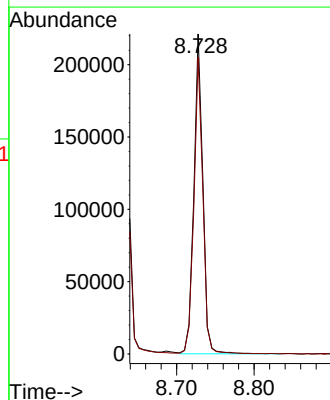
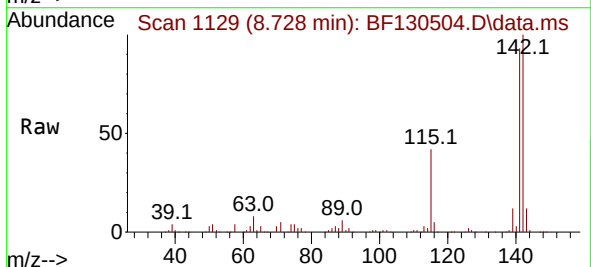
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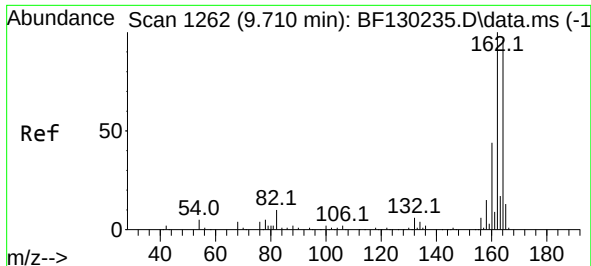
Reviewed By :Jagrut Upadhyay 10/04/2022
Supervised By :mohammad ahmed 10/06/2022



#38
1-Methylnaphthalene
Concen: 15.345 ng
RT: 8.728 min Scan# 1129
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

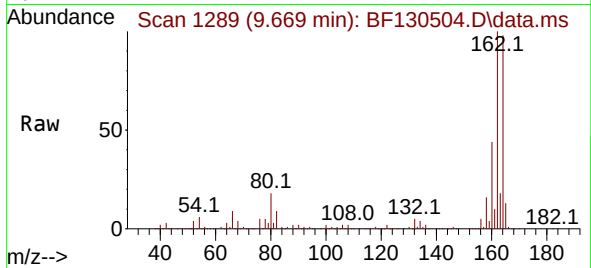
Tgt Ion:142 Resp: 177470
Ion Ratio Lower Upper
142 100
141 92.7 73.8 110.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

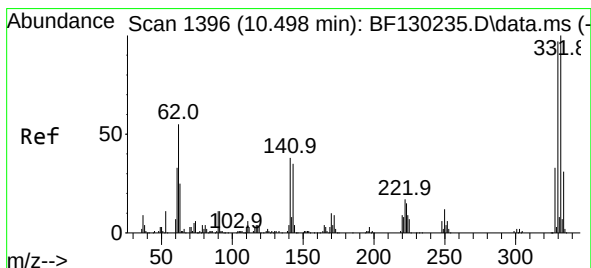
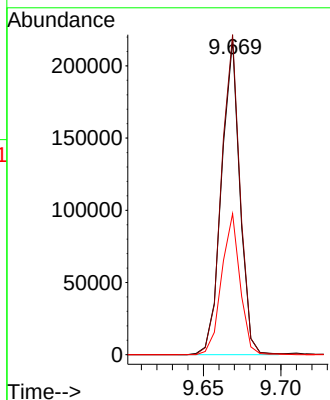
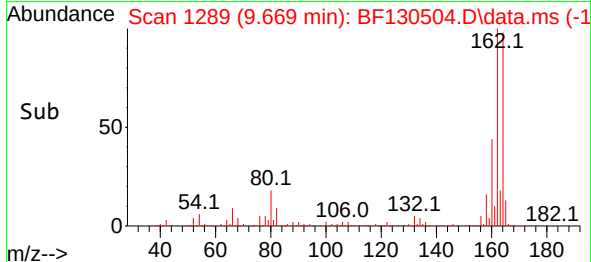
Instrument :
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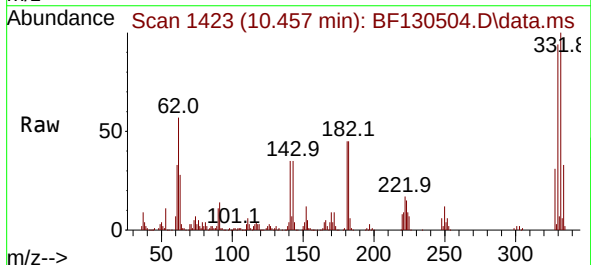
Tgt Ion:164 Resp: 179399
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 44.8 36.2 54.4

Manual Integrations
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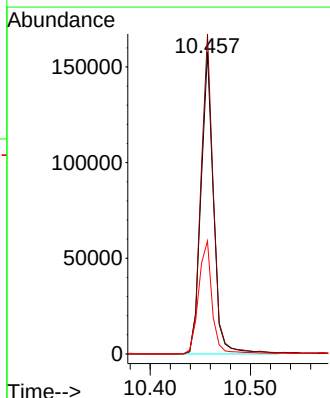
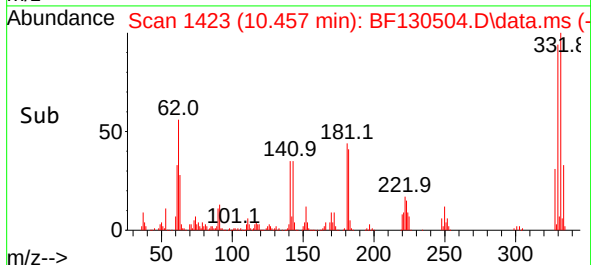
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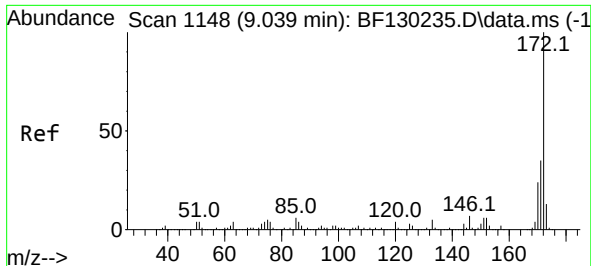


#42
2,4,6-Tribromophenol
Concen: 80.090 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00



Tgt Ion:330 Resp: 137674
Ion Ratio Lower Upper
330 100
332 106.9 83.4 125.2
141 40.7 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 56.897 ng

RT: 8.998 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF130504.D

Acq: 03 Oct 2022 18:00

Instrument :

BNA_F

ClientSampleId :

SOIL-002-0930

Tgt Ion:172 Resp: 70096

Ion Ratio Lower Upper

172 100

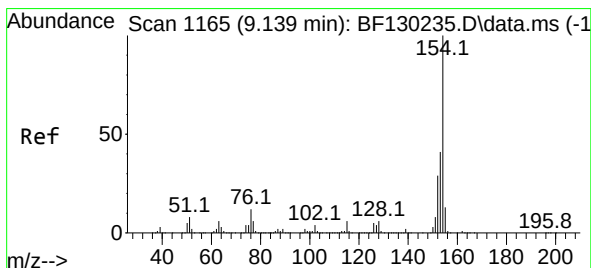
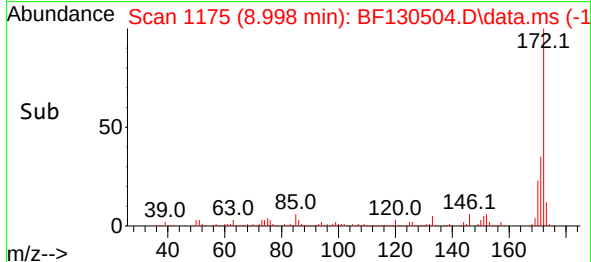
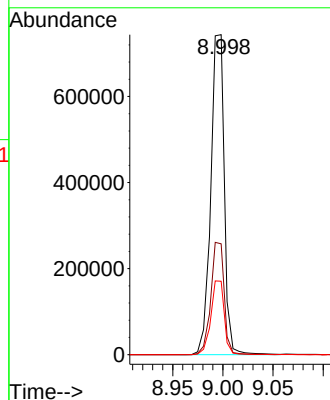
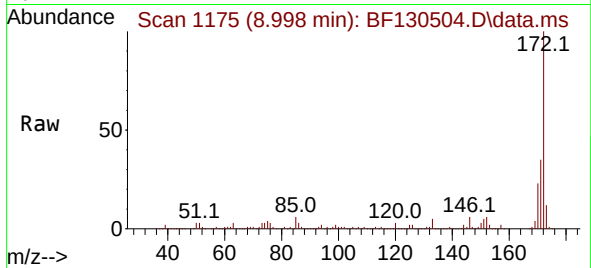
171 34.6 28.3 42.5

170 22.9 18.7 28.1

Manual Integrations

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#46

1,1'-Biphenyl

Concen: 6.818 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF130504.D

Acq: 03 Oct 2022 18:00

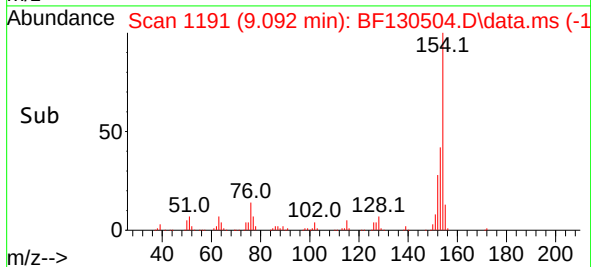
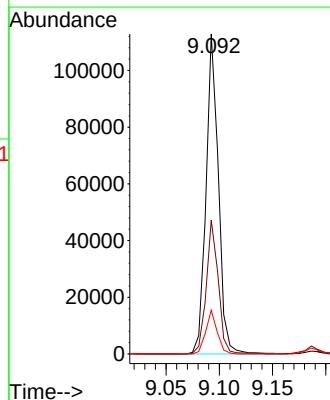
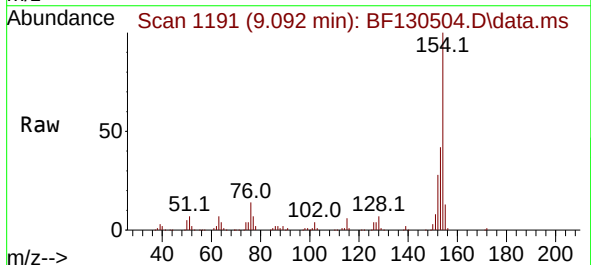
Tgt Ion:154 Resp: 91347

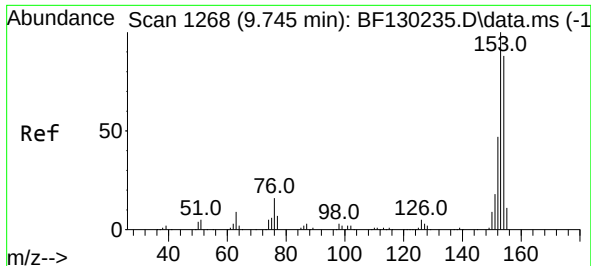
Ion Ratio Lower Upper

154 100

153 41.8 20.0 60.0

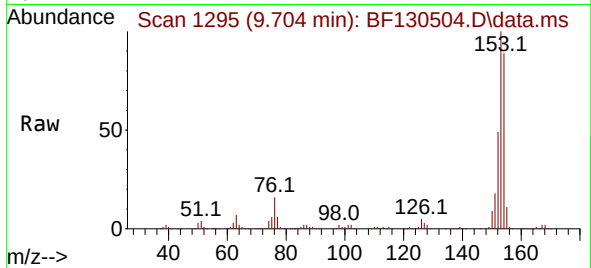
76 13.7 0.0 33.3





#52
Acenaphthene
Concen: 26.543 ng
RT: 9.704 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

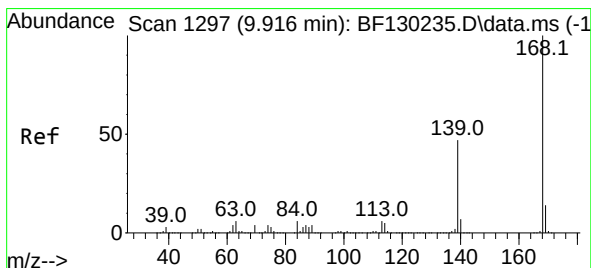
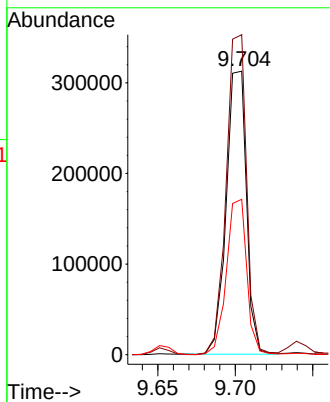
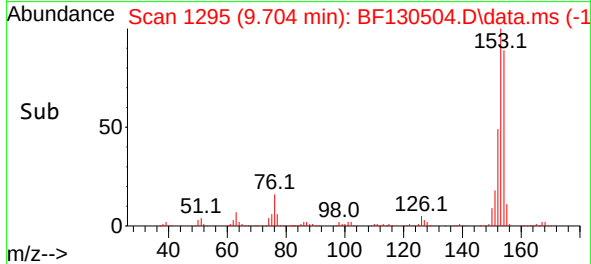
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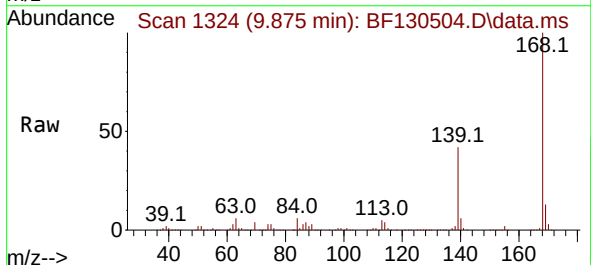
Tgt Ion:154 Resp: 283400
Ion Ratio Lower Upper
154 100
153 112.8 90.6 136.0
152 54.8 43.8 65.6

Manual Integrations
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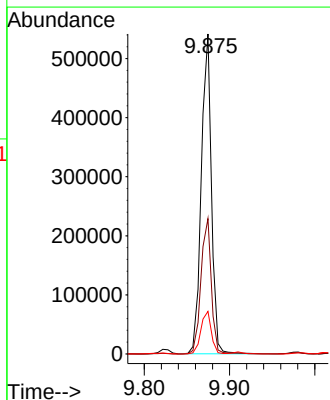
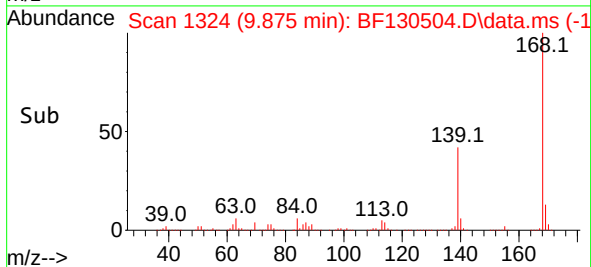
Reviewed By :Jagrut Upadhyay 10/04/2022
Supervised By :mohammad ahmed 10/06/2022

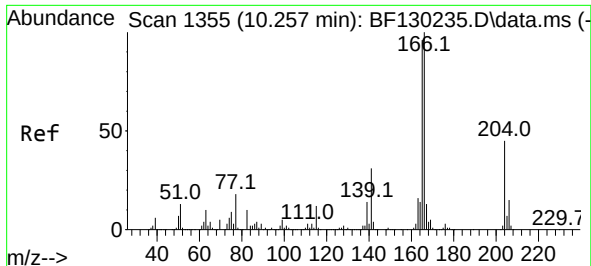


#55
Dibenzofuran
Concen: 30.093 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00



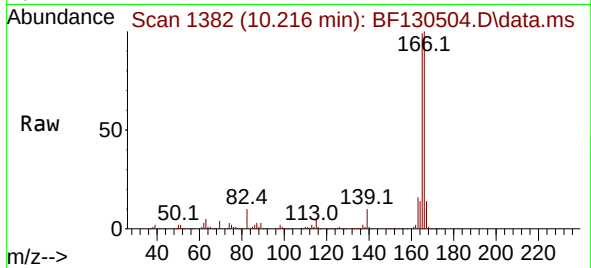
Tgt Ion:168 Resp: 446908
Ion Ratio Lower Upper
168 100
139 42.3 35.0 52.4
169 13.3 10.9 16.3





#58
Fluorene
Concen: 36.751 ng
RT: 10.216 min Scan# 1382
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

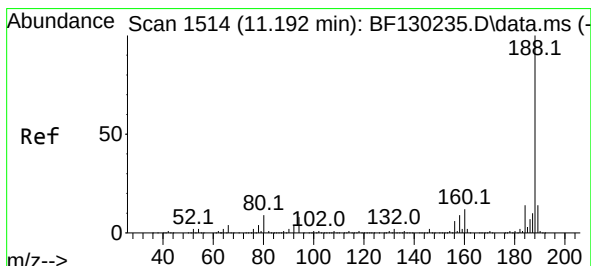
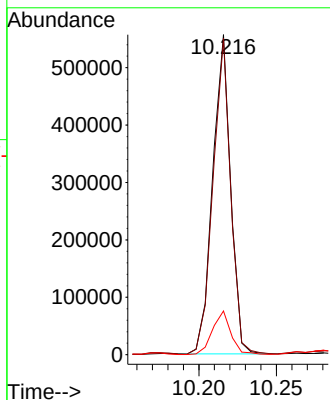
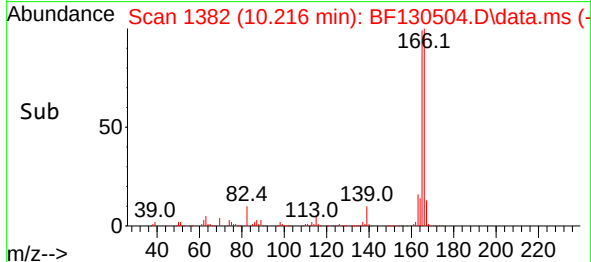
Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930



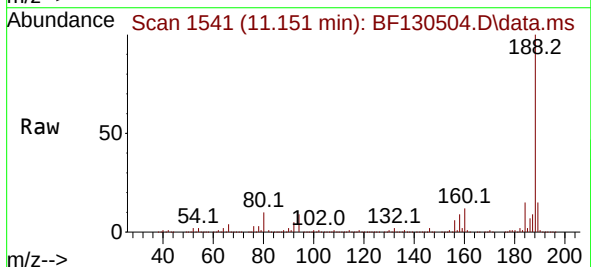
Tgt Ion:166 Resp: 446350
Ion Ratio Lower Upper
166 100
165 98.9 78.8 118.2
167 13.7 10.6 15.8

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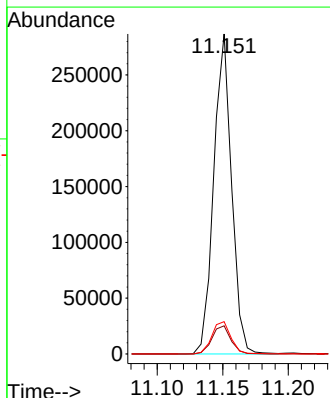
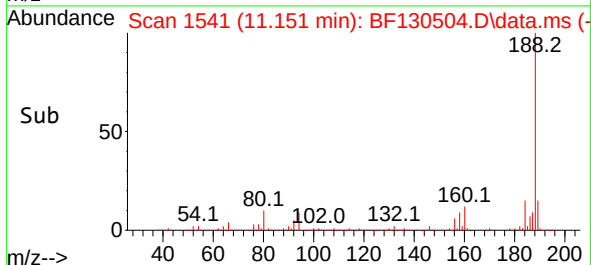
Reviewed By :Jagrut Upadhyay 10/04/2022
Supervised By :mohammad ahmed 10/06/2022

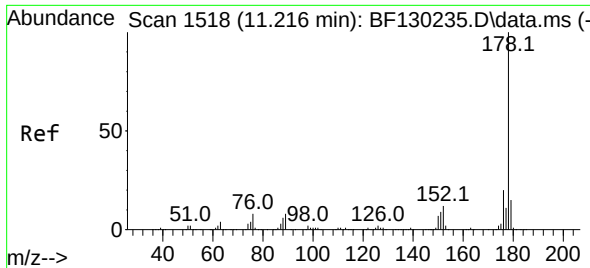


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.151 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00



Tgt Ion:188 Resp: 270536
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 10.1 7.9 11.9





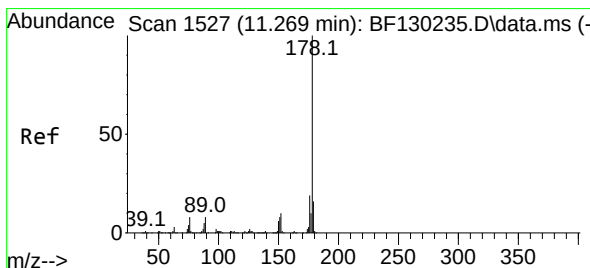
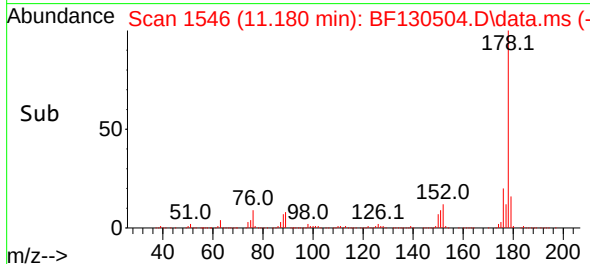
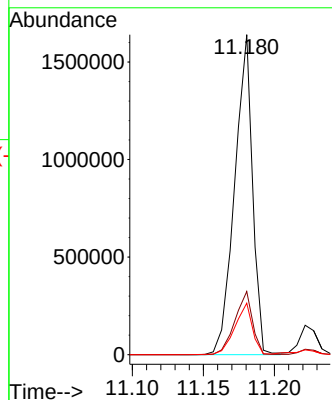
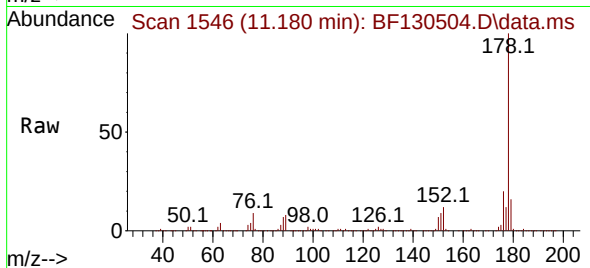
#71
Phenanthrene
Concen: 94.648 ng
RT: 11.180 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930

Tgt Ion:178 Resp: 143761
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 16.1 12.4 18.6

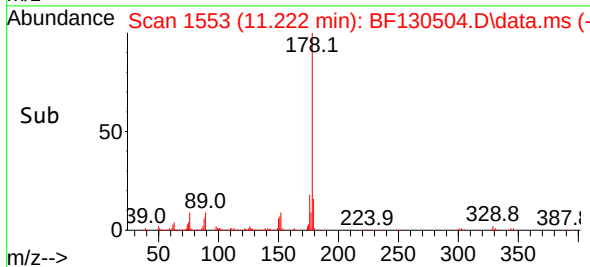
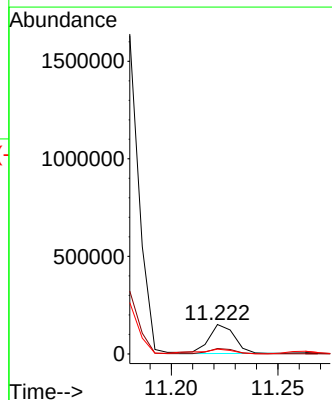
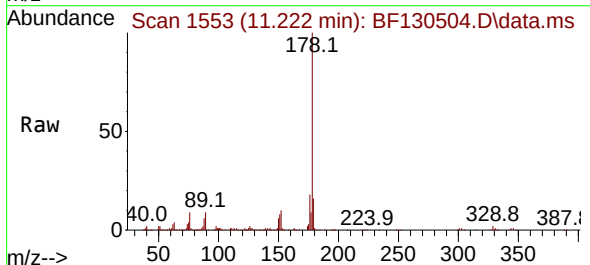
Manual Integrations
APPROVED

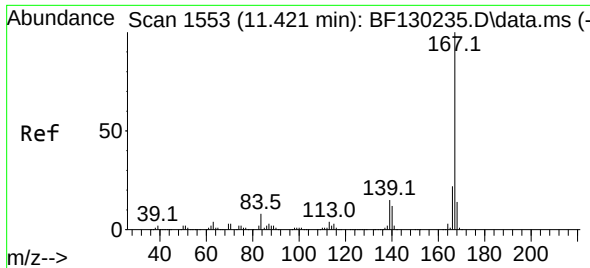
Reviewed By :Jagrut Upadhyay 10/04/2022
Supervised By :mohammad ahmed 10/06/2022



#72
Anthracene
Concen: 8.531 ng
RT: 11.222 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

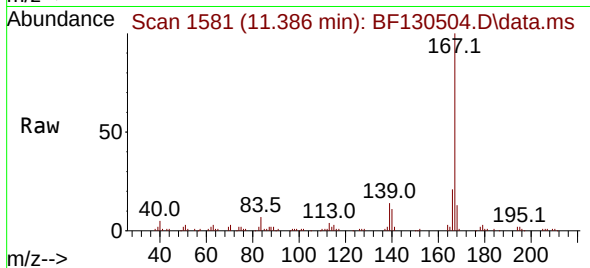
Tgt Ion:178 Resp: 125038
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 16.3 12.7 19.1





#73
 Carbazole
 Concen: 2.962 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130504.D
 Acq: 03 Oct 2022 18:00

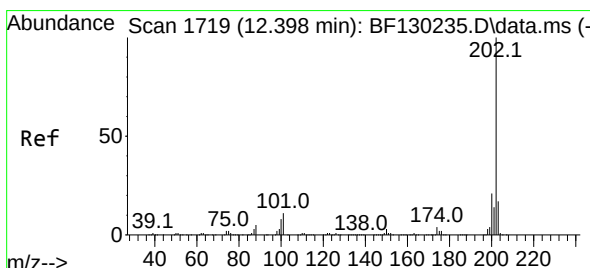
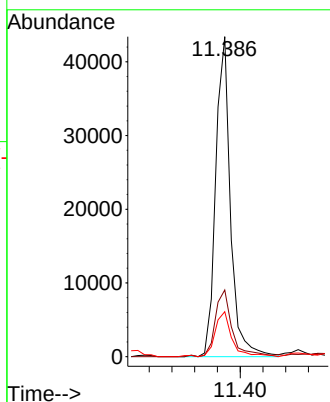
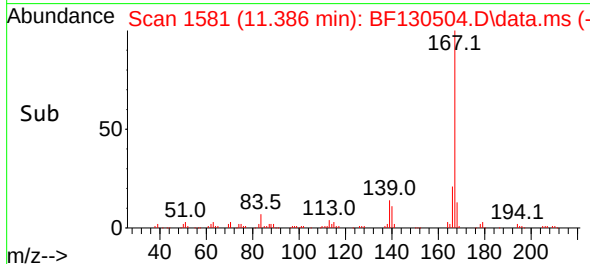
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-002-0930



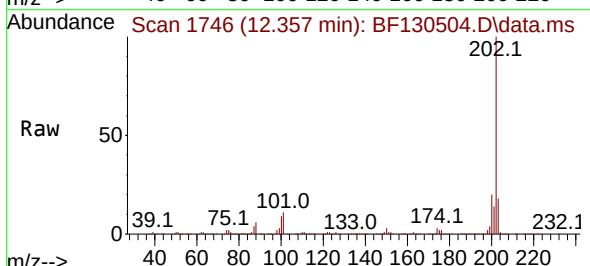
Tgt Ion:167 Resp: 39184
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.4 26.2
 139 14.1 11.6 17.4

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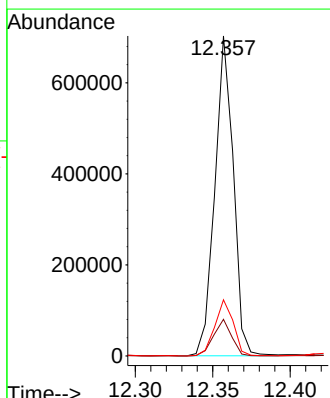
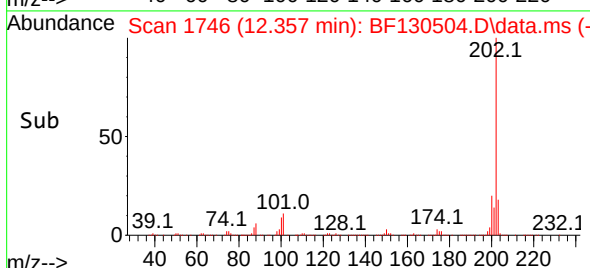
Reviewed By :Jagrut Upadhyay 10/04/2022
 Supervised By :mohammad ahmed 10/06/2022

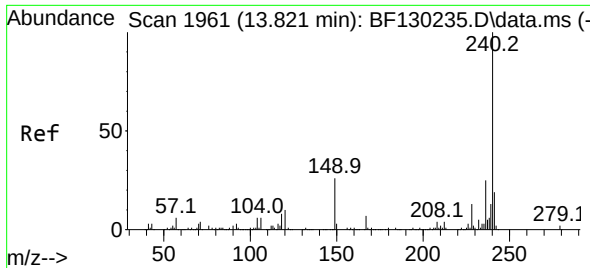


#75
 Fluoranthene
 Concen: 39.742 ng
 RT: 12.357 min Scan# 1746
 Delta R.T. -0.012 min
 Lab File: BF130504.D
 Acq: 03 Oct 2022 18:00



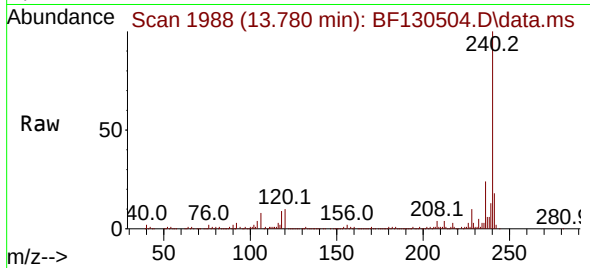
Tgt Ion:202 Resp: 583292
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 31.8
 203 17.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.780 min Scan# 1961
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

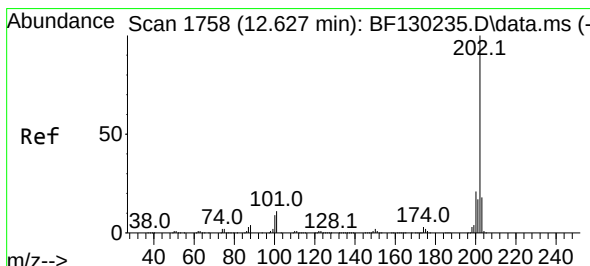
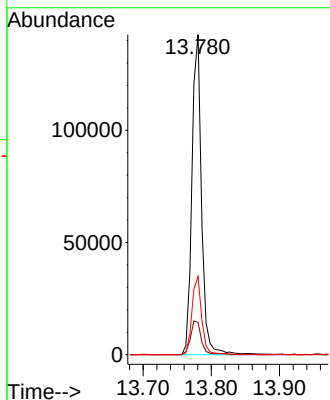
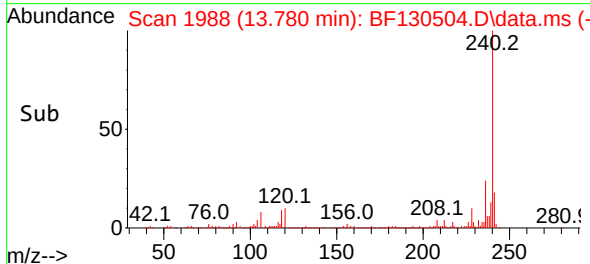
Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930



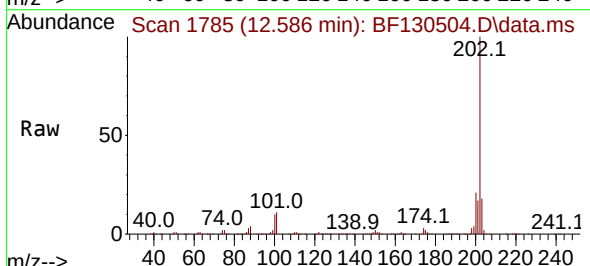
Tgt Ion:240 Resp: 138579
Ion Ratio Lower Upper
240 100
120 10.2 8.7 13.1
236 24.5 20.9 31.3

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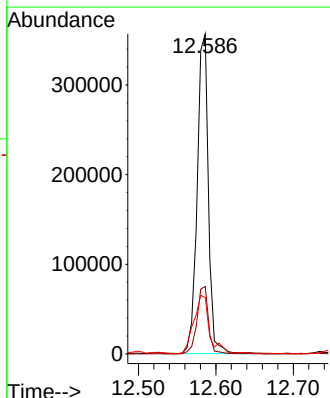
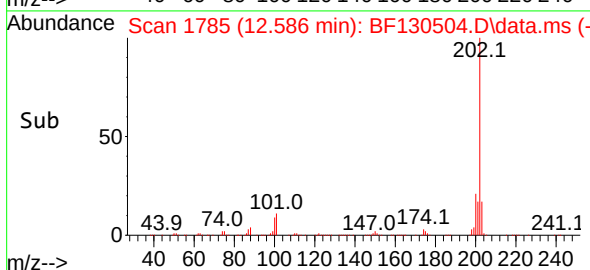
Reviewed By :Jagrut Upadhyay 10/04/2022
Supervised By :mohammad ahmed 10/06/2022

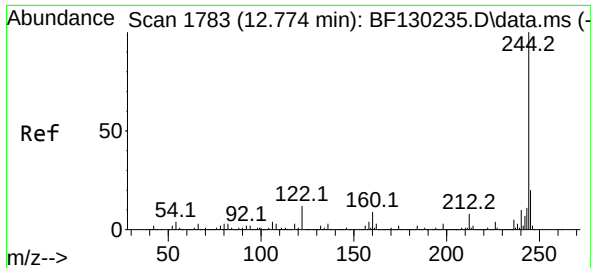


#78
Pyrene
Concen: 29.574 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00



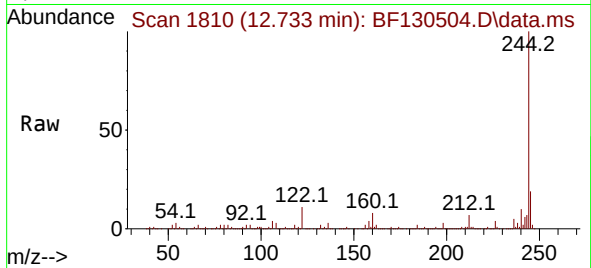
Tgt Ion:202 Resp: 358509
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.6 14.3 21.5





#79
Terphenyl-d14
Concen: 58.472 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

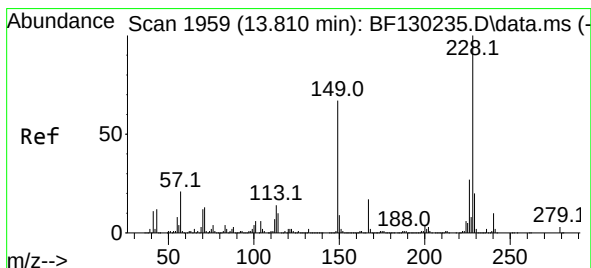
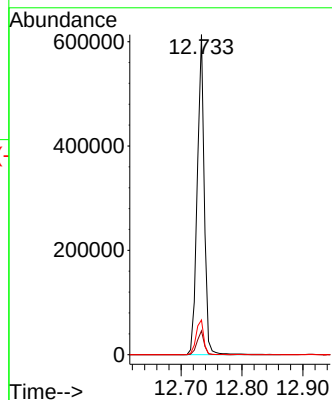
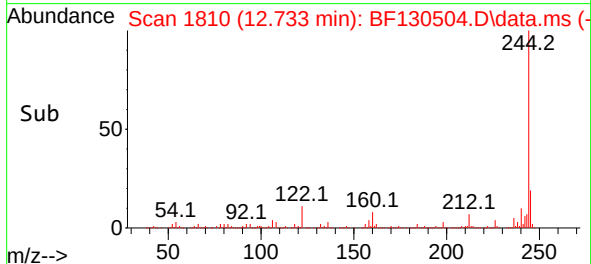
Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930



Tgt Ion:244 Resp: 48915
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 10.9 8.5 12.7

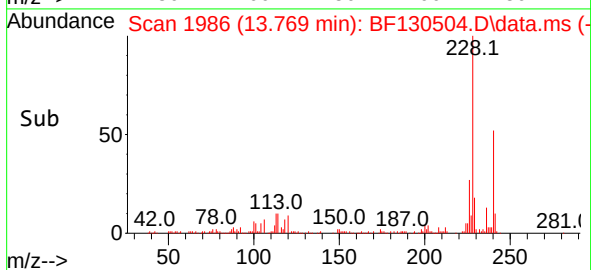
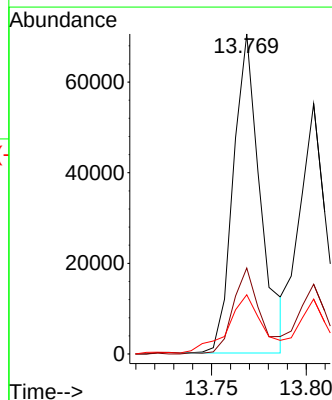
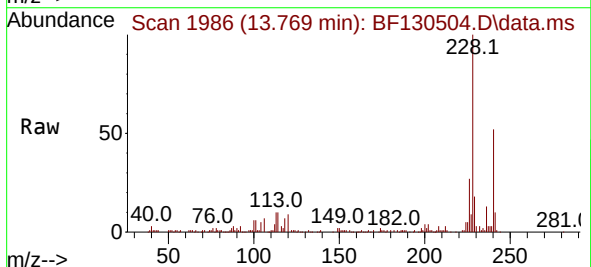
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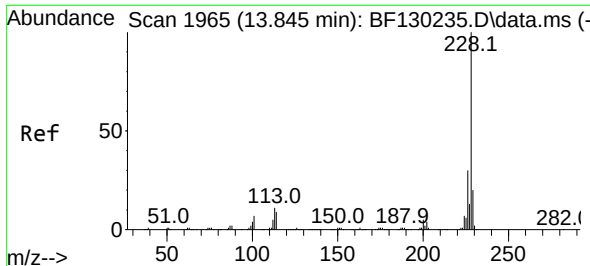
Reviewed By :Jagrut Upadhyay 10/04/2022
Supervised By :mohammad ahmed 10/06/2022



#81
Benzo(a)anthracene
Concen: 7.582 ng
RT: 13.769 min Scan# 1986
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

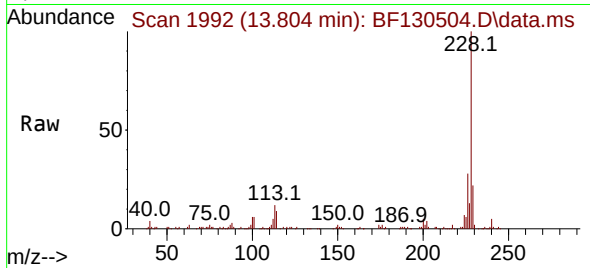
Tgt Ion:228 Resp: 69894
Ion Ratio Lower Upper
228 100
226 26.9 21.9 32.9
229 18.5 16.1 24.1





#83
Chrysene
Concen: 6.296 ng
RT: 13.804 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

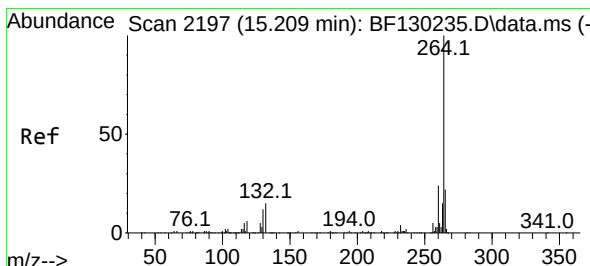
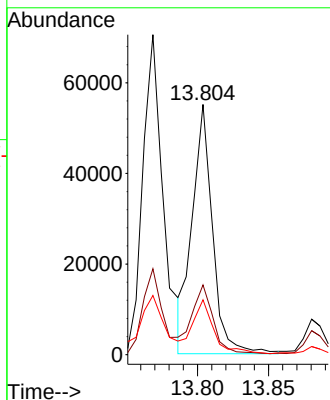
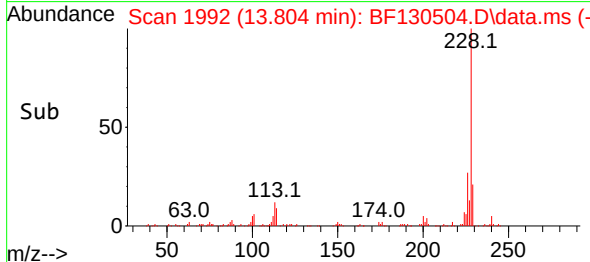
Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930



Tgt Ion:228 Resp: 55109
Ion Ratio Lower Upper
228 100
226 27.9 23.8 35.8
229 21.9 15.3 22.9

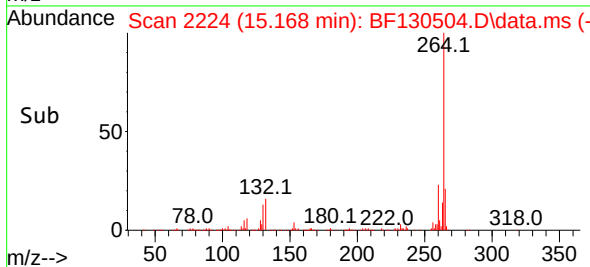
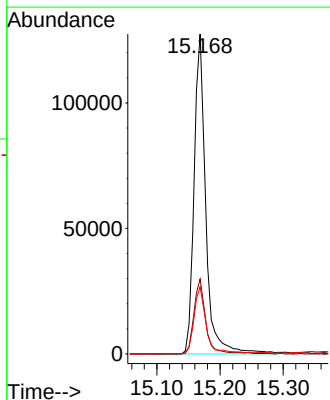
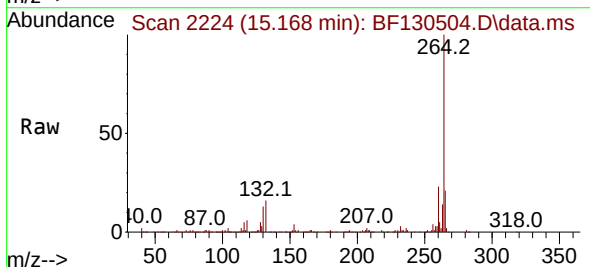
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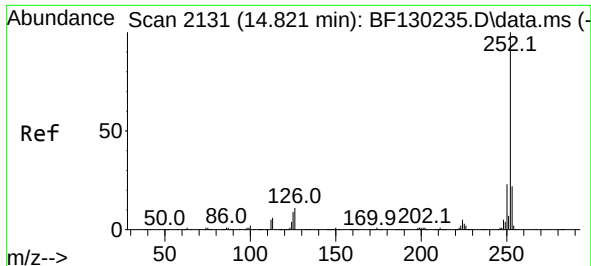
Reviewed By :Jagrut Upadhyay 10/04/2022
Supervised By :mohammad ahmed 10/06/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.168 min Scan# 2224
Delta R.T. -0.006 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

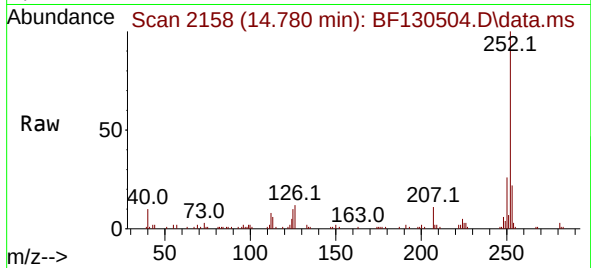
Tgt Ion:264 Resp: 163797
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 21.0 17.0 25.4





#88
Benzo(b)fluoranthene
Concen: 3.121 ng m
RT: 14.780 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00

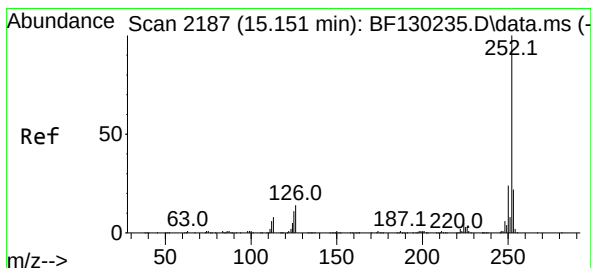
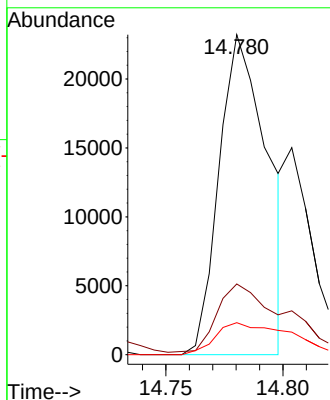
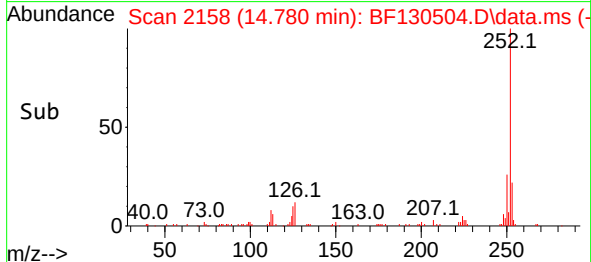
Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930



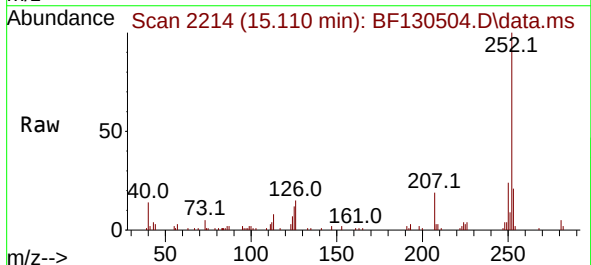
Tgt Ion:252 Resp: 33360
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 10.0 8.1 12.1

Manual Integrations
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Reviewed By :Jagrut Upadhyay 10/04/2022
Supervised By :mohammad ahmed 10/06/2022



#90
Benzo(a)pyrene
Concen: 2.629 ng
RT: 15.110 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF130504.D
Acq: 03 Oct 2022 18:00



Tgt Ion:252 Resp: 22268
Ion Ratio Lower Upper
252 100
253 20.6 17.8 26.6
125 11.7 9.0 13.6

