

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133824.D
 Acq On : 17 Jun 2023 00:48
 Operator : CG\JU
 Sample : 03164-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-001

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/19/2023
 Supervised By :mohammad ahmed 06/20/2023

Quant Time: Jun 17 02:59:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	69976	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	252502	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	109895	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	206343	20.000	ng	0.00
76) Chrysene-d12	14.057	240	117326	20.000	ng	0.00
86) Perylene-d12	15.568	264	94652	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	453145	112.736	ng	0.01
7) Phenol-d6	6.498	99	526251	100.582	ng	0.00
23) Nitrobenzene-d5	7.428	82	338863	73.096	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	131496	94.528	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	549505	71.080	ng	0.00
79) Terphenyl-d14	12.992	244	527673	69.592	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.763	152	30078	2.718	ng	99
71) Phenanthrene	11.416	178	181415	17.329	ng	99
72) Anthracene	11.469	178	43286	3.965	ng	99
75) Fluoranthene	12.616	202	329407	29.630	ng	99
78) Pyrene	12.845	202	373777	34.199	ng	99
81) Benzo(a)anthracene	14.045	228	145238m	17.896	ng	
83) Chrysene	14.080	228	159446m	20.773	ng	
87) Indeno(1,2,3-cd)pyrene	17.121	276	71705	11.012	ng	96
88) Benzo(b)fluoranthene	15.121	252	148375m	25.806	ng	
89) Benzo(k)fluoranthene	15.145	252	43794m	7.819	ng	
90) Benzo(a)pyrene	15.504	252	106946	20.042	ng	97
91) Dibenzo(a,h)anthracene	17.133	278	17618	3.268	ng	# 75
92) Benzo(g,h,i)perylene	17.592	276	76886	14.384	ng	98

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

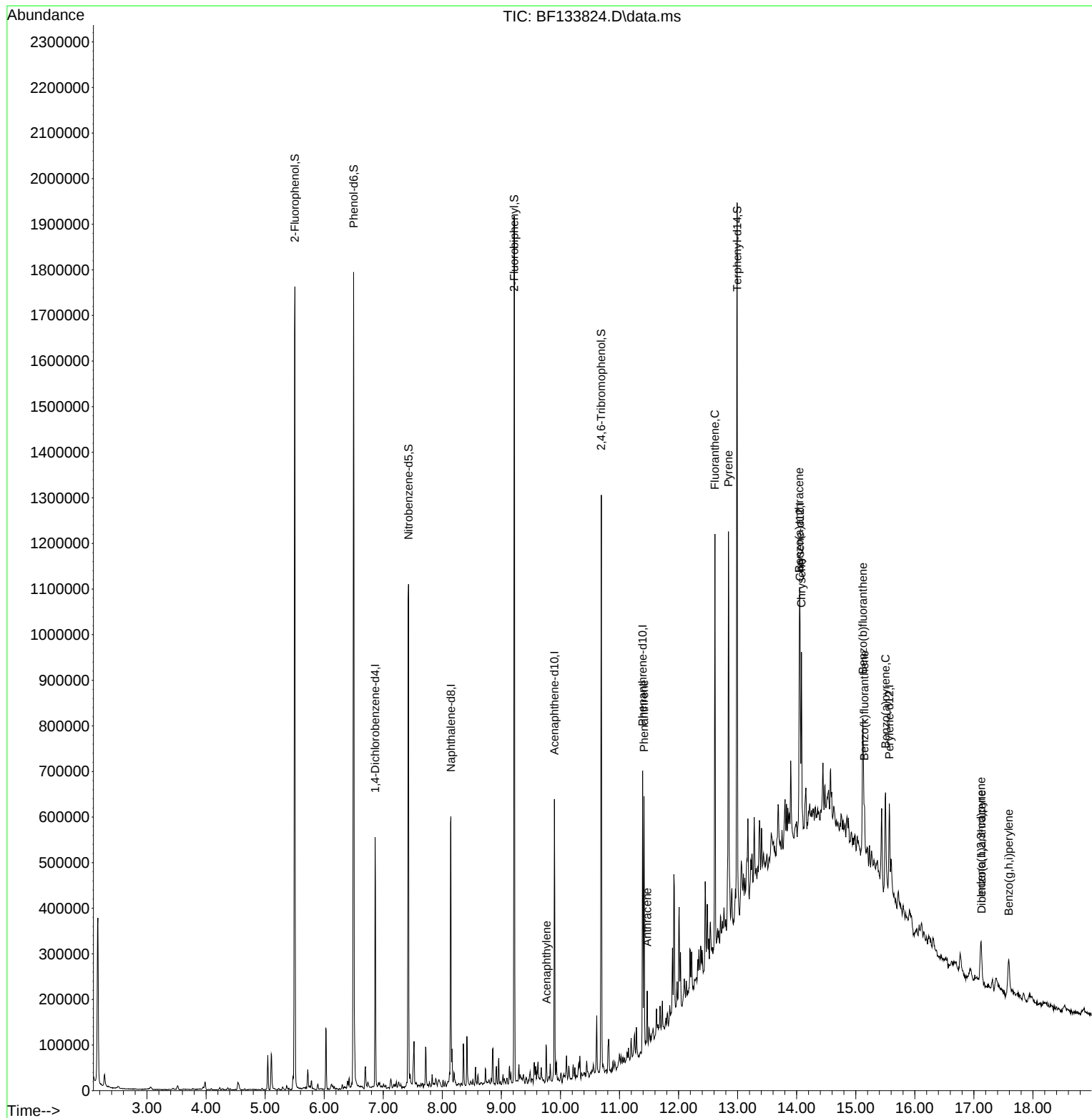
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
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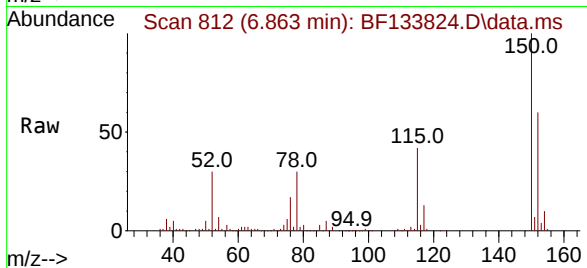
Quant Time: Jun 17 02:59:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 14:54:03 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

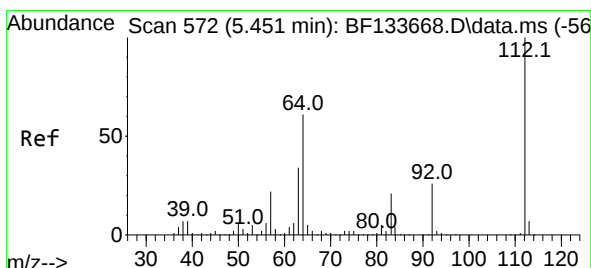
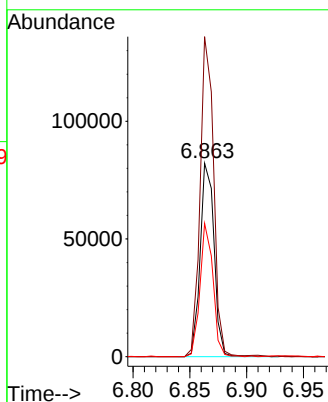
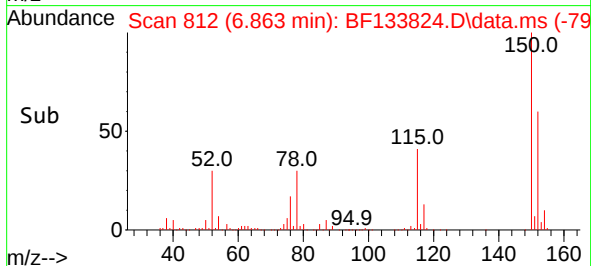
Instrument :
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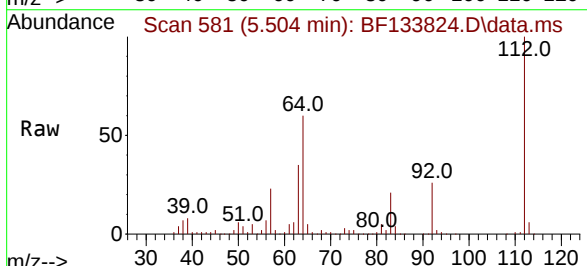
Tgt Ion:152 Resp: 69970
Ion Ratio Lower Upper
152 100
150 165.4 124.3 186.5
115 68.9 48.5 72.7

Manual Integrations
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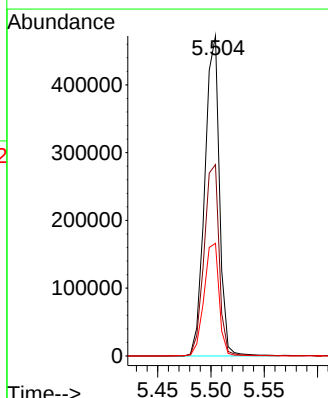
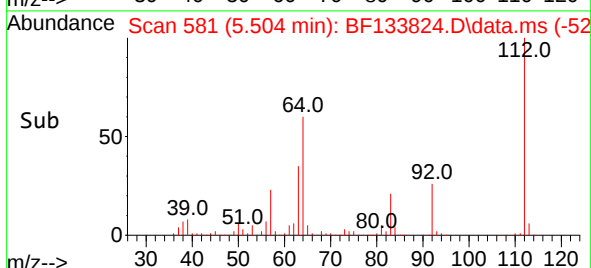
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

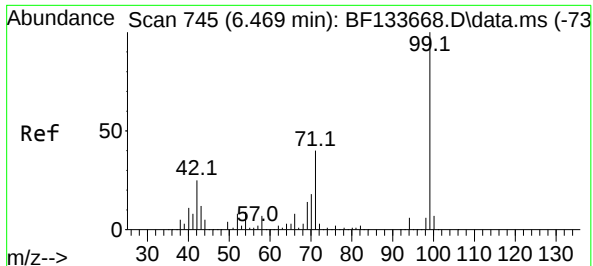


#5
2-Fluorophenol
Concen: 112.736 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48



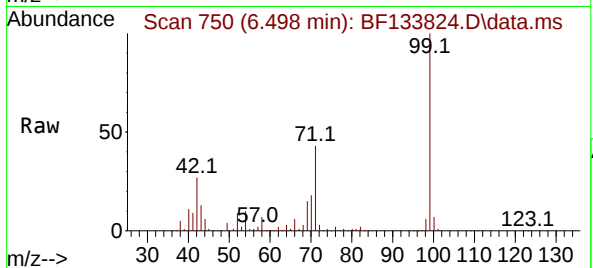
Tgt Ion:112 Resp: 453145
Ion Ratio Lower Upper
112 100
64 59.8 49.0 73.4
63 35.2 26.8 40.2





#7
Phenol-d6
Concen: 100.582 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

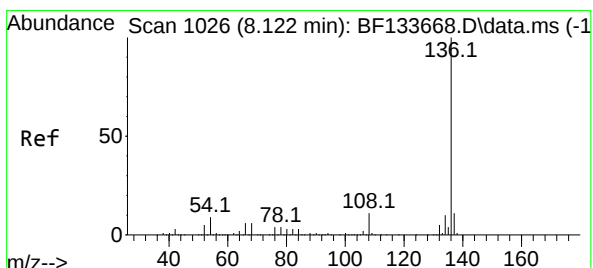
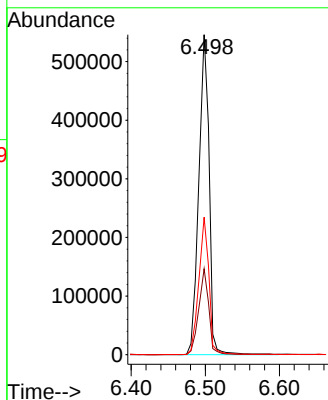
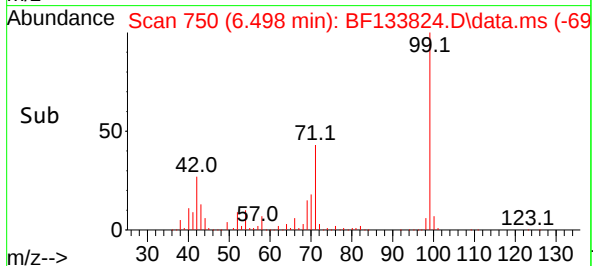
Instrument :
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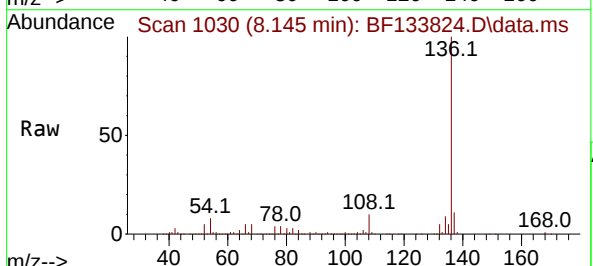
Tgt Ion: 99 Resp: 52625
Ion Ratio Lower Upper
99 100
42 26.9 19.9 29.9
71 42.9 32.2 48.4

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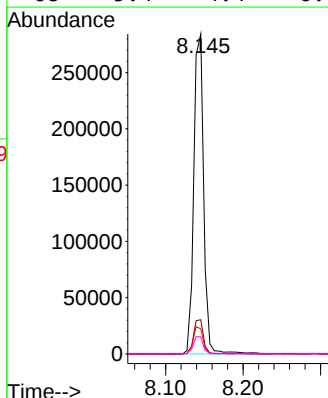
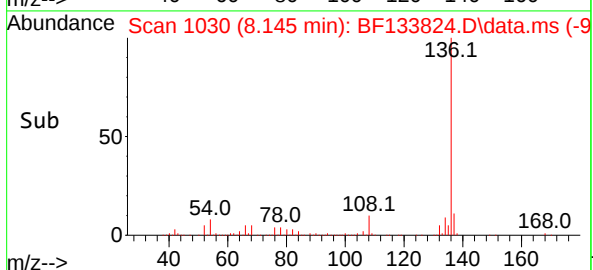
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

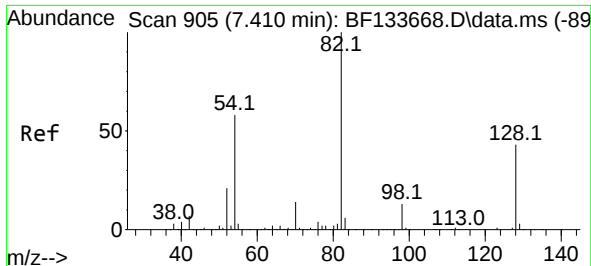


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48



Tgt Ion:136 Resp: 252502
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.9 7.4 11.0
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 73.096 ng

RT: 7.428 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF133824.D

Acq: 17 Jun 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SOIL-001

Tgt Ion: 82 Resp: 33886

Ion Ratio Lower Upper

82 100

128 43.0 34.2 51.2

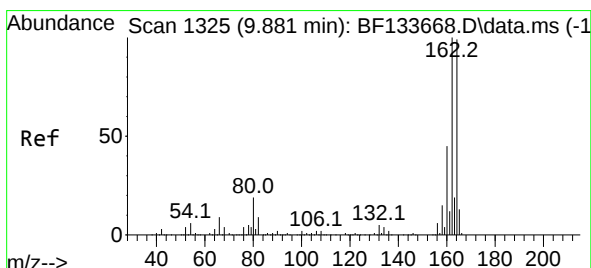
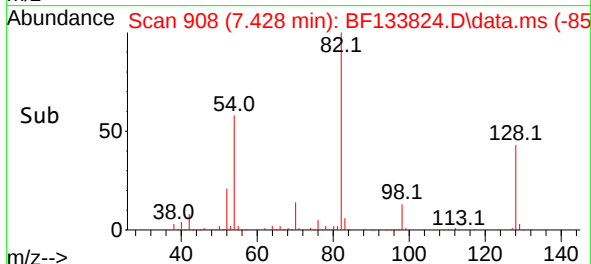
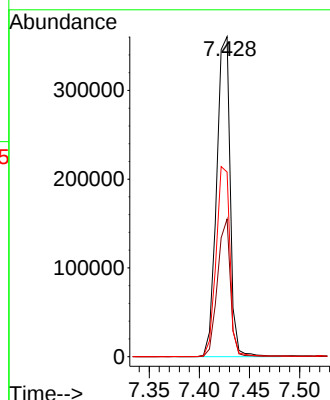
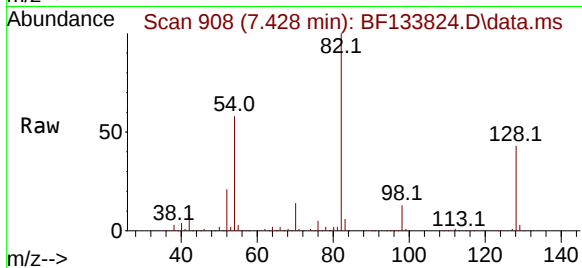
54 57.7 46.5 69.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF133824.D

Acq: 17 Jun 2023 00:48

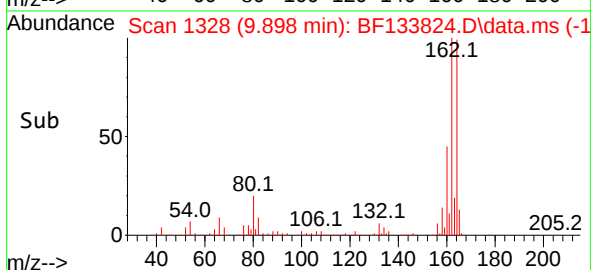
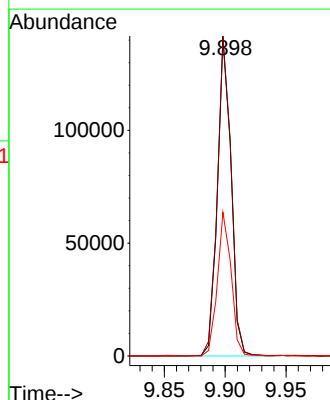
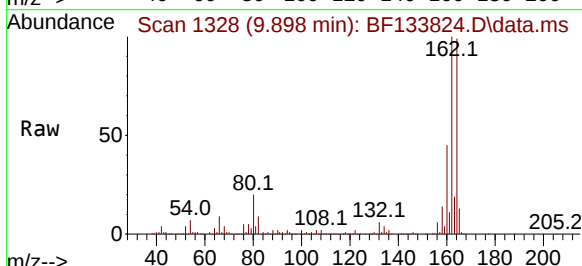
Tgt Ion:164 Resp: 109895

Ion Ratio Lower Upper

164 100

162 100.9 80.8 121.2

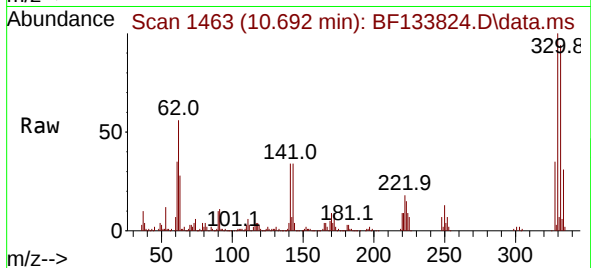
160 45.3 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 94.528 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

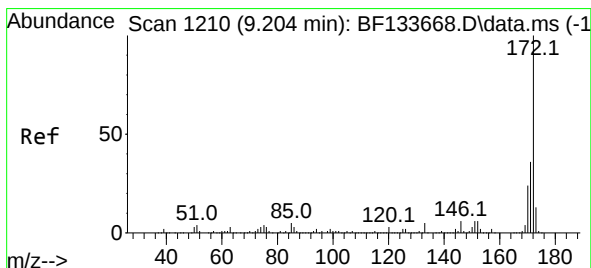
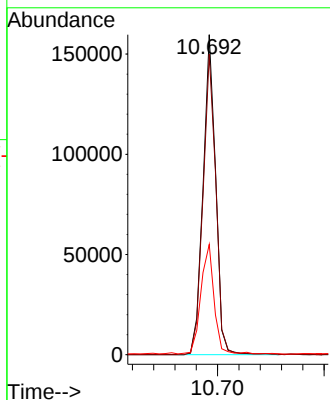
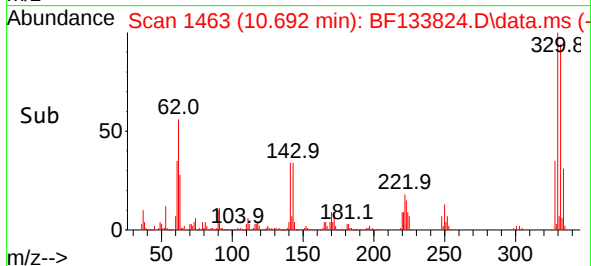
Instrument :
BNA_F
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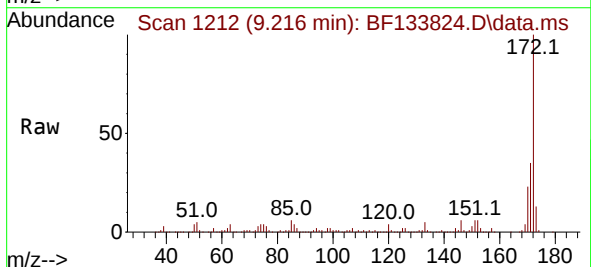
Tgt Ion: 330 Resp: 131490
Ion Ratio Lower Upper
330 100
332 95.9 77.2 115.8
141 35.5 24.9 37.3

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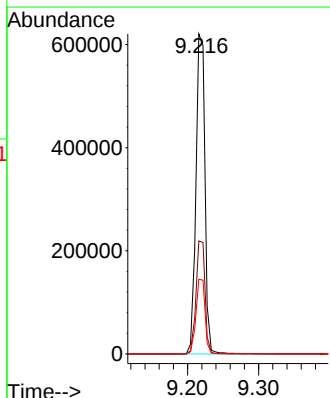
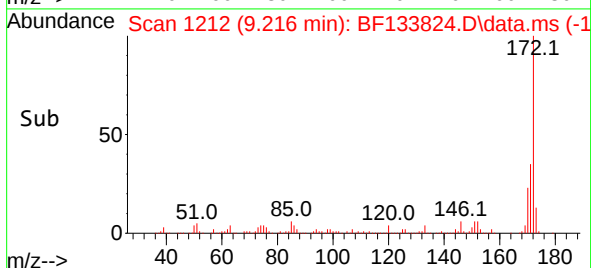
Reviewed By : Yogesh Patel 06/19/2023
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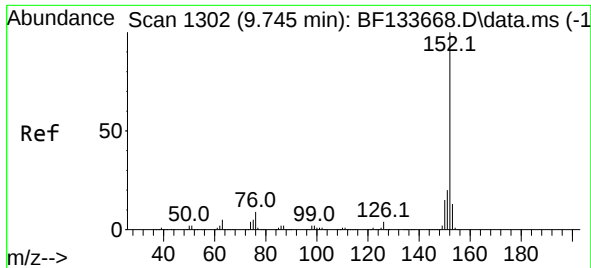


#45
2-Fluorobiphenyl
Concen: 71.080 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48



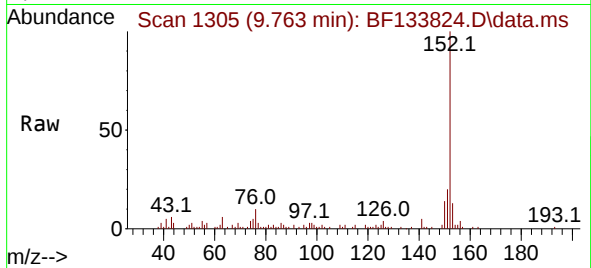
Tgt Ion: 172 Resp: 549505
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.3 19.1 28.7





#49
Acenaphthylene
Concen: 2.718 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

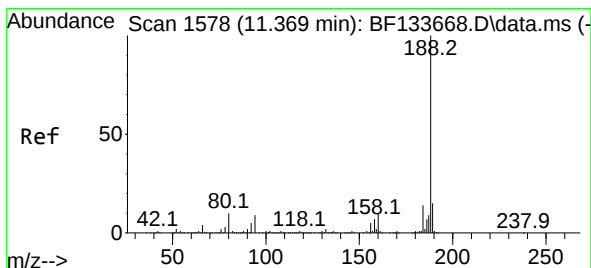
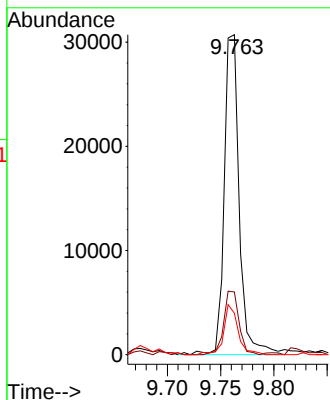
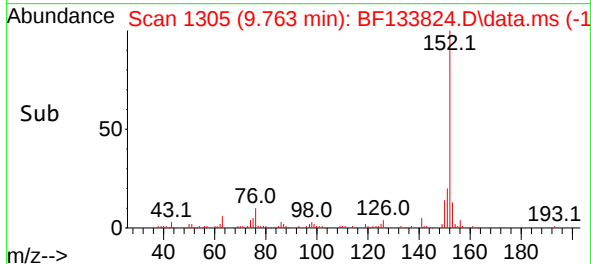
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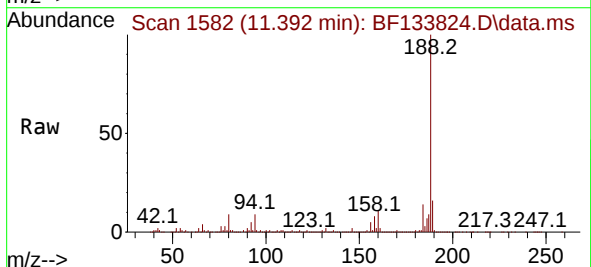
Tgt Ion:152 Resp: 30078
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.4
153 13.0 10.4 15.6

Manual Integrations
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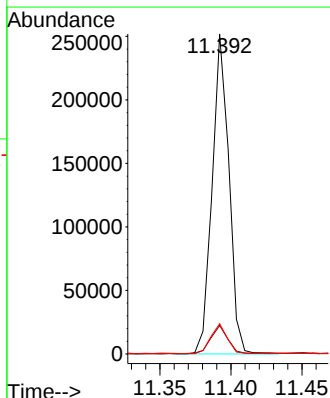
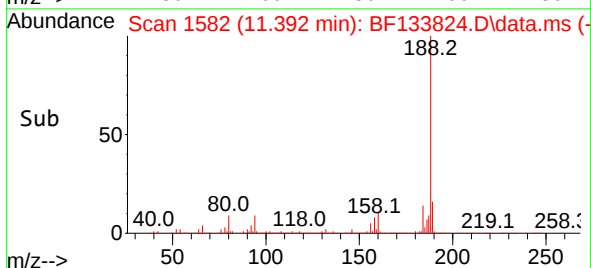
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

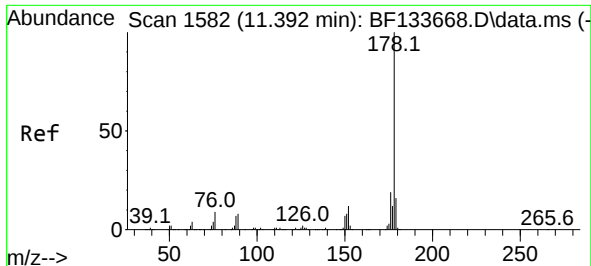


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48



Tgt Ion:188 Resp: 206343
Ion Ratio Lower Upper
188 100
94 8.9 6.8 10.2
80 9.4 7.8 11.6





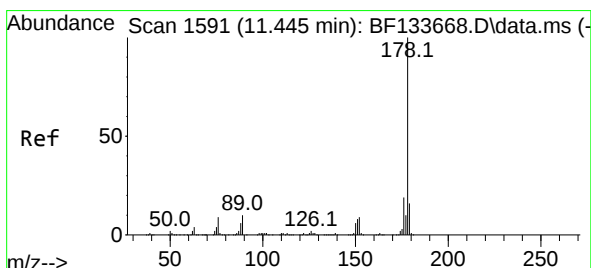
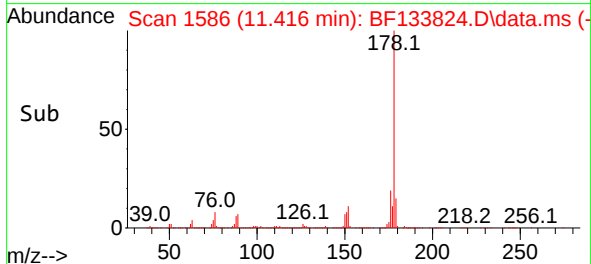
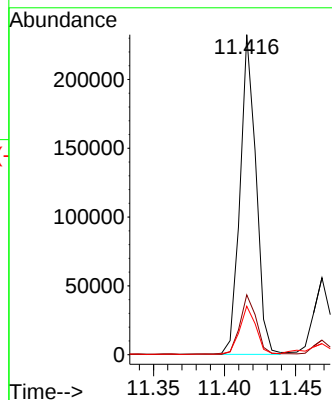
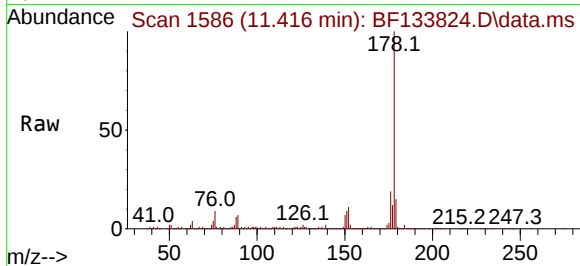
#71
Phenanthrene
Concen: 17.329 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

Instrument :
BNA_F
ClientSampleId :
SOIL-001

Tgt Ion:178 Resp: 181415
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.2 12.4 18.6

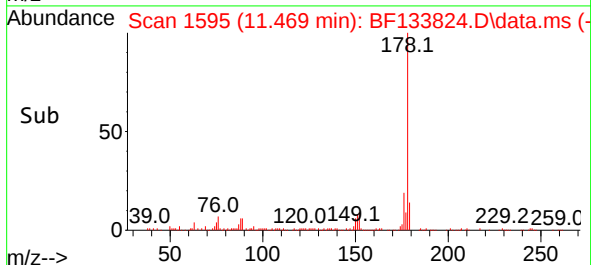
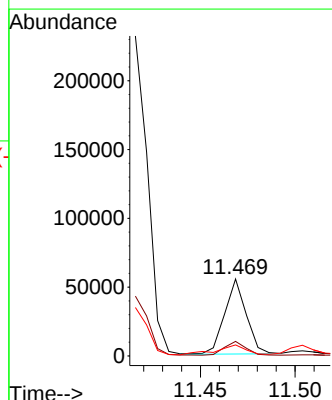
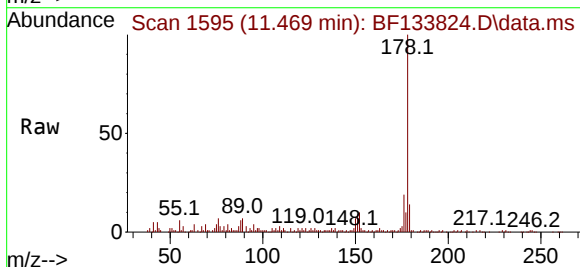
Manual Integrations
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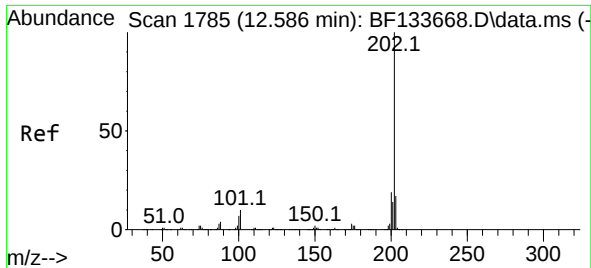
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#72
Anthracene
Concen: 3.965 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

Tgt Ion:178 Resp: 43286
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 14.4 12.6 18.8





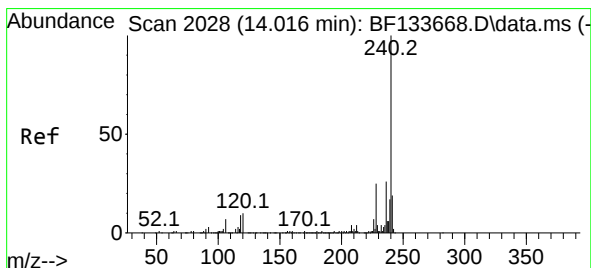
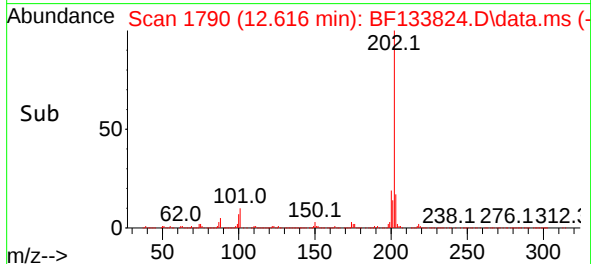
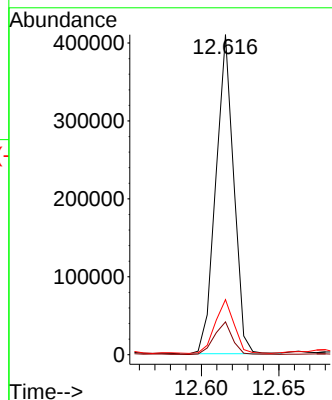
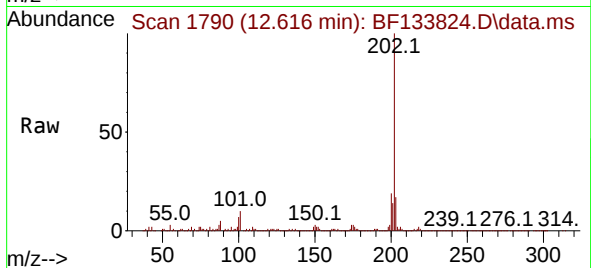
#75
Fluoranthene
Concen: 29.630 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

Instrument :
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ClientSampleId :
SOIL-001

Tgt Ion:202 Resp: 32940
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.6
203 17.2 0.0 37.4

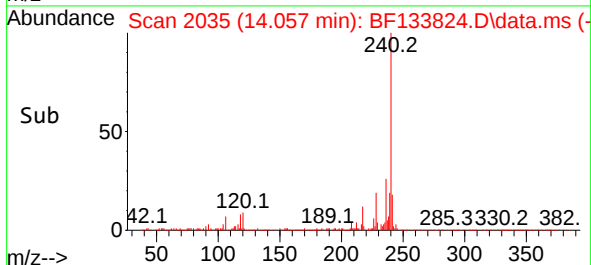
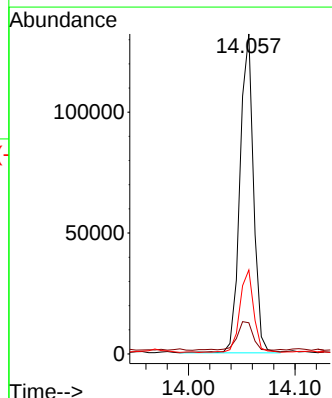
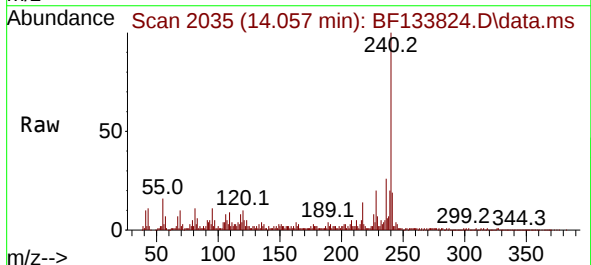
Manual Integrations
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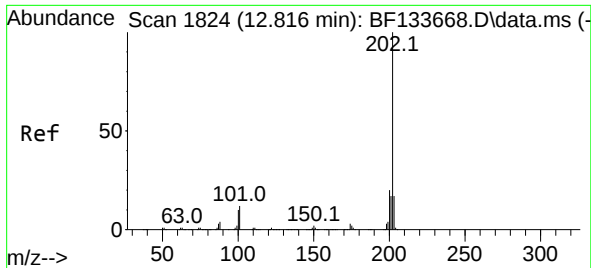
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

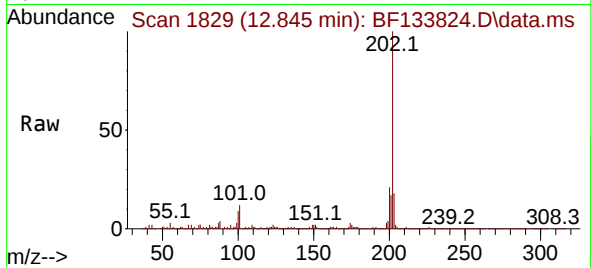
Tgt Ion:240 Resp: 117326
Ion Ratio Lower Upper
240 100
120 9.7 8.1 12.1
236 26.2 20.5 30.7





#78
Pyrene
Concen: 34.199 ng
RT: 12.845 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

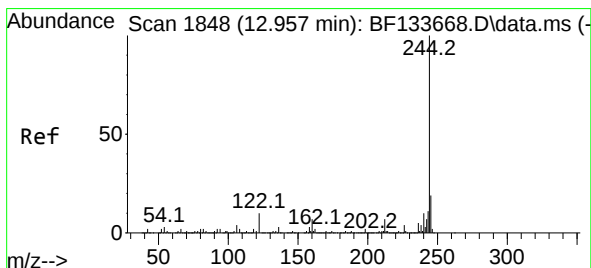
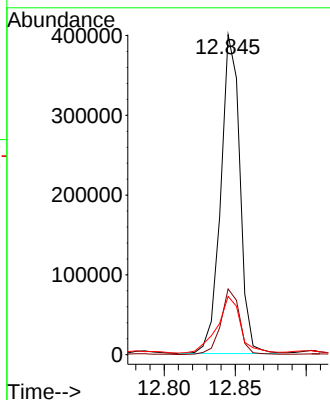
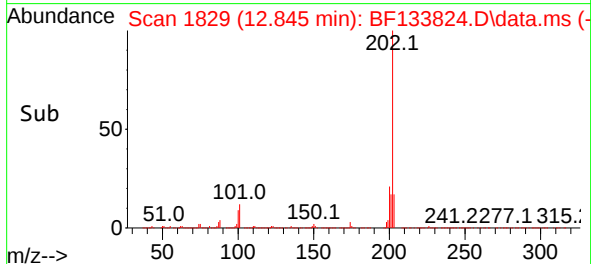
Instrument :
BNA_F
ClientSampleId :
SOIL-001



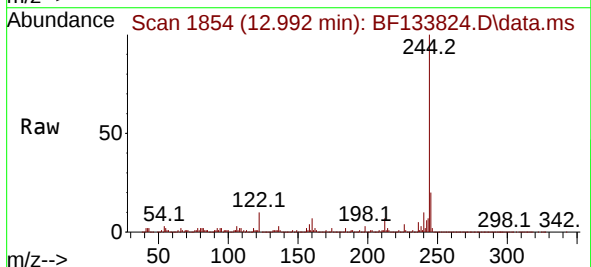
Tgt Ion:202 Resp: 373777
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.2
203 18.2 13.9 20.9

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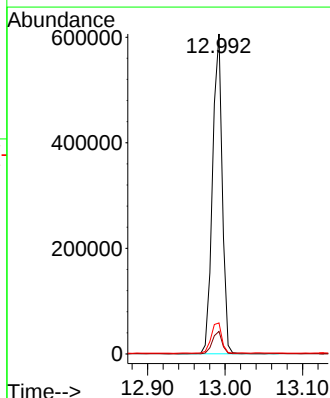
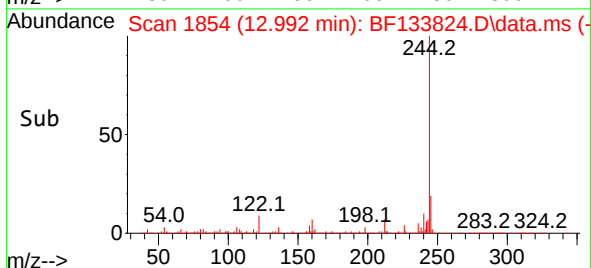
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023

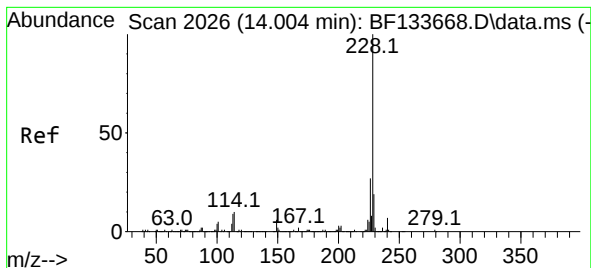


#79
Terphenyl-d14
Concen: 69.592 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48



Tgt Ion:244 Resp: 527673
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 9.7 8.1 12.1





#81

Benzo(a)anthracene

Concen: 17.896 ng m

RT: 14.045 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF133824.D

Acq: 17 Jun 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SOIL-001

Tgt Ion:228 Resp: 145238

Ion Ratio Lower Upper

228 100

226 28.8 21.7 32.5

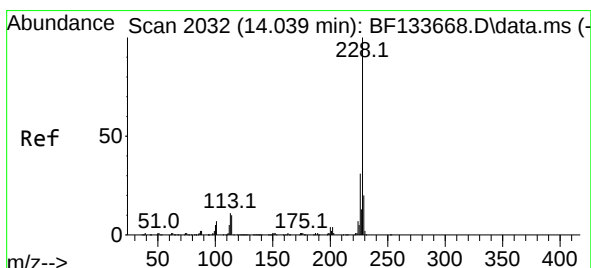
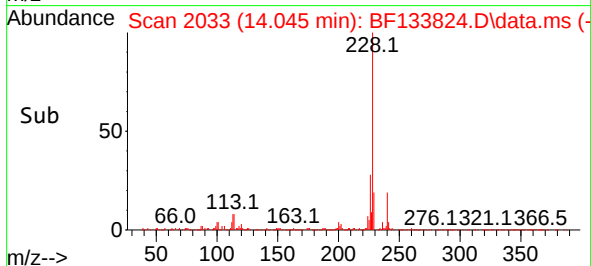
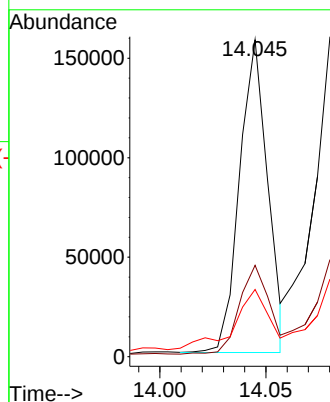
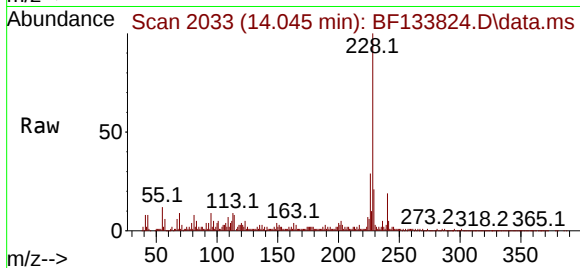
229 21.2 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#83

Chrysene

Concen: 20.773 ng m

RT: 14.080 min Scan# 2039

Delta R.T. -0.000 min

Lab File: BF133824.D

Acq: 17 Jun 2023 00:48

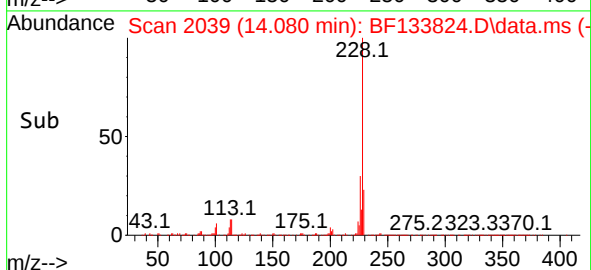
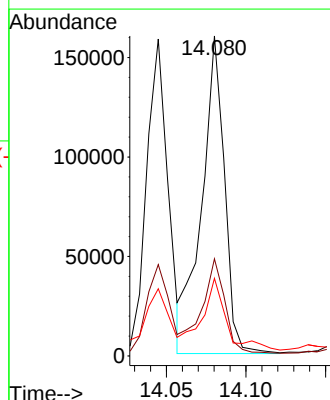
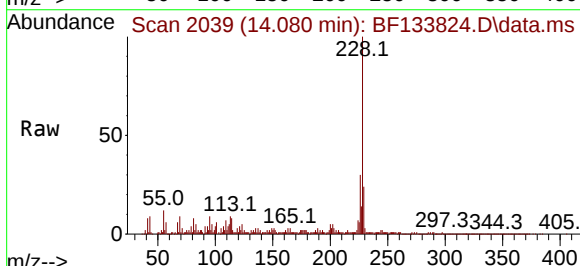
Tgt Ion:228 Resp: 159446

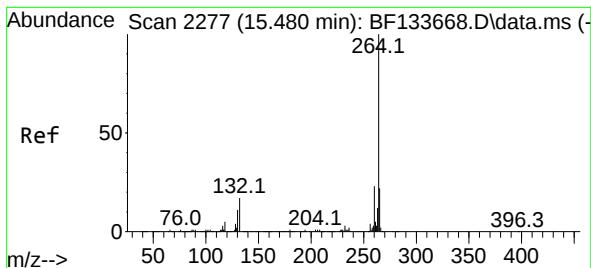
Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

229 24.2 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133824.D

Acq: 17 Jun 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SOIL-001

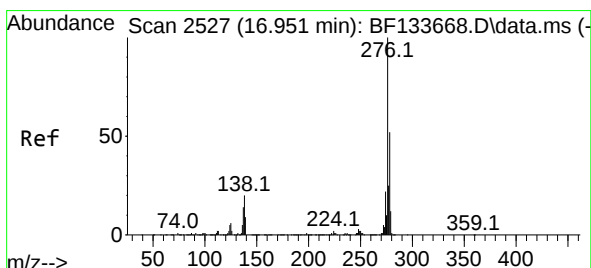
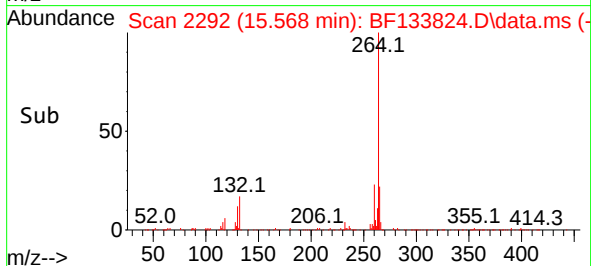
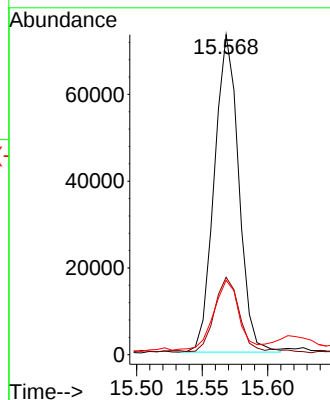
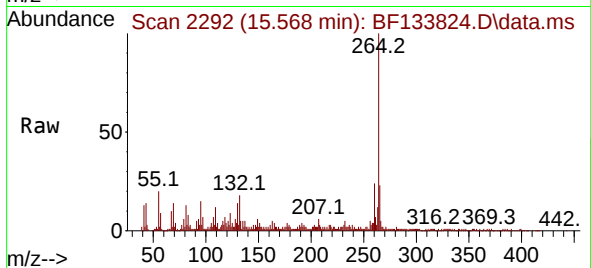
Tgt Ion:264	Resp:	9465
Ion Ratio	Lower	Upper
264	100	
260	24.2	18.2 27.2
265	23.2	17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.012 ng

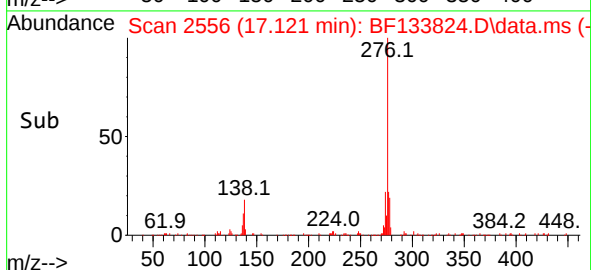
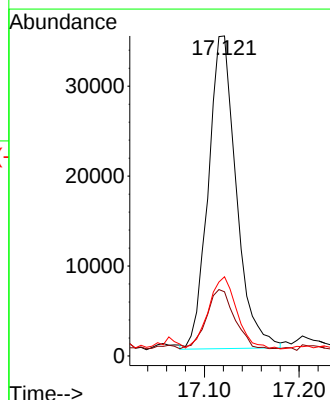
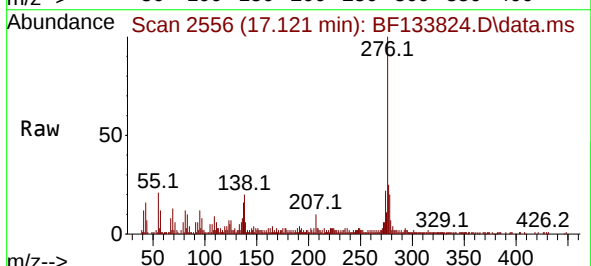
RT: 17.121 min Scan# 2556

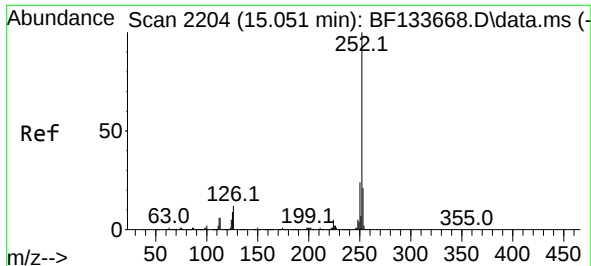
Delta R.T. 0.006 min

Lab File: BF133824.D

Acq: 17 Jun 2023 00:48

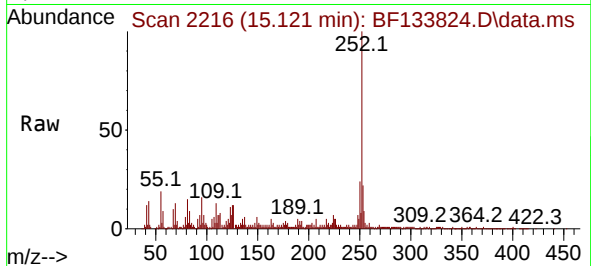
Tgt Ion:276	Resp:	71705
Ion Ratio	Lower	Upper
276	100	
138	20.3	17.9 26.9
277	23.3	20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 25.806 ng m
RT: 15.121 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

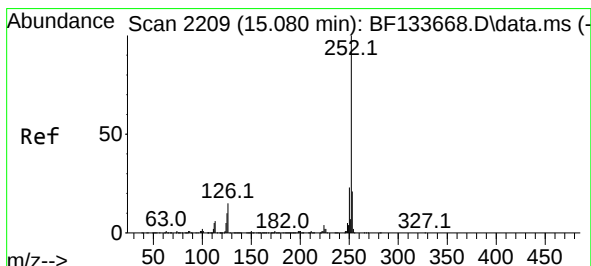
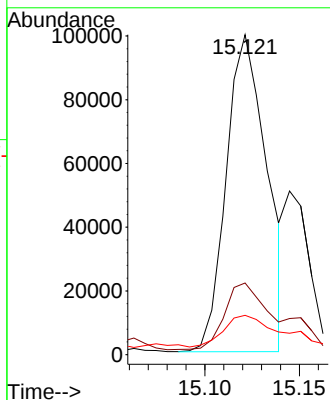
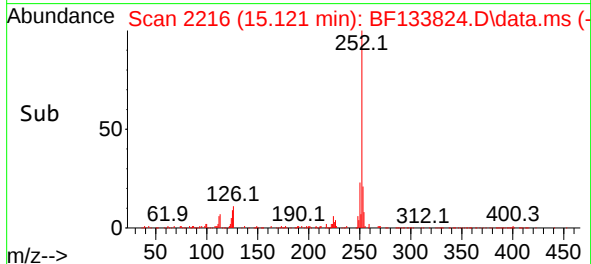
Instrument :
BNA_F
ClientSampleId :
SOIL-001



Tgt Ion:252 Resp: 148379
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 12.3 7.3 10.9

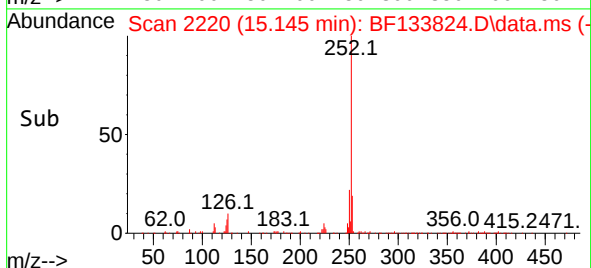
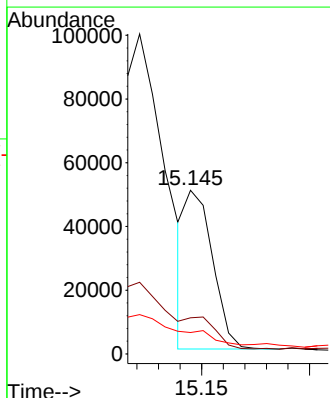
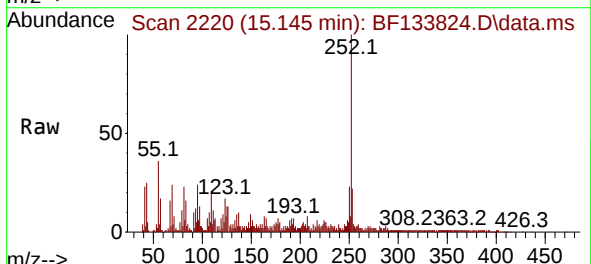
Manual Integrations
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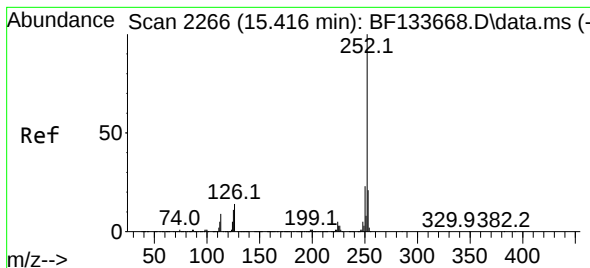
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#89
Benzo(k)fluoranthene
Concen: 7.819 ng m
RT: 15.145 min Scan# 2220
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

Tgt Ion:252 Resp: 43794
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.4
125 13.1 7.8 11.6





#90
Benzo(a)pyrene
Concen: 20.042 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

Instrument :

BNA_F

ClientSampleId :

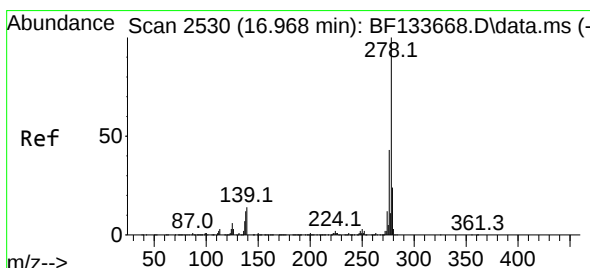
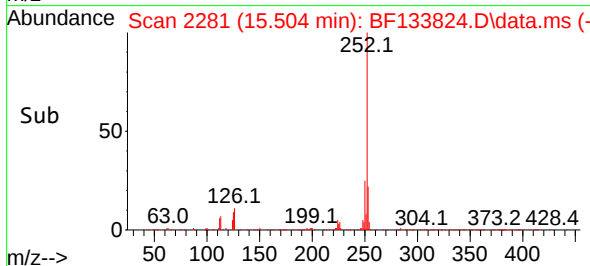
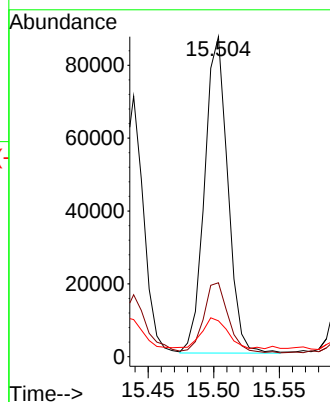
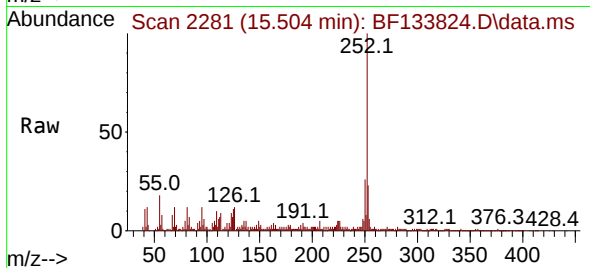
SOIL-001

Tgt Ion:252 Resp: 106940
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 11.2 8.6 13.0

Manual Integrations

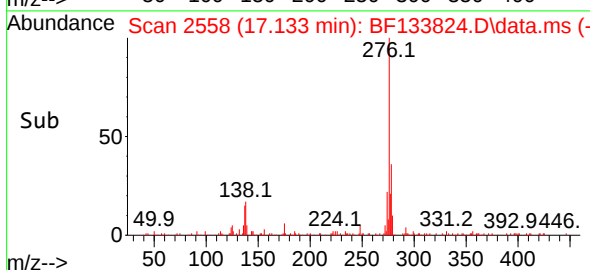
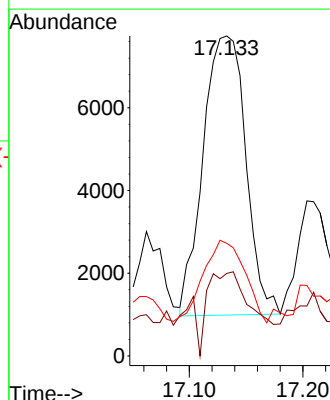
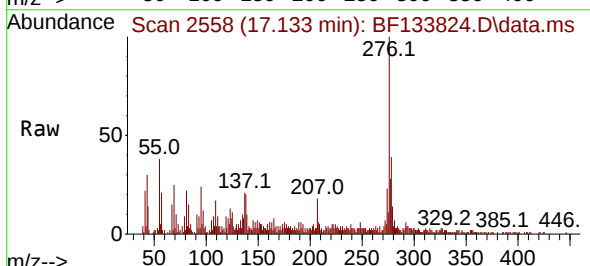
APPROVED

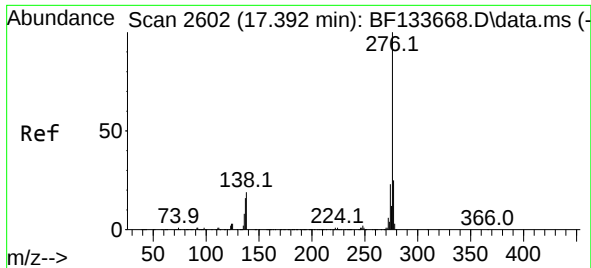
Reviewed By :Yogesh Patel 06/19/2023
Supervised By :mohammad ahmed 06/20/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.268 ng
RT: 17.133 min Scan# 2558
Delta R.T. -0.006 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

Tgt Ion:278 Resp: 17618
Ion Ratio Lower Upper
278 100
139 25.8 11.4 17.2#
279 35.2 19.0 28.4#





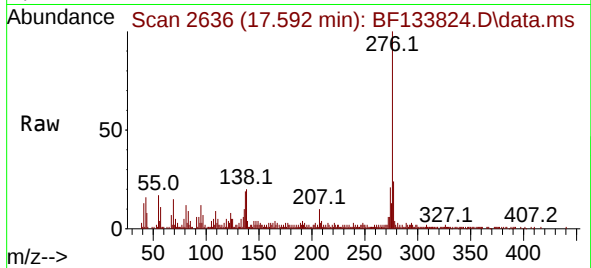
#92
Benzo(g,h,i)perylene
Concen: 14.384 ng
RT: 17.592 min Scan# 2636
Delta R.T. -0.000 min
Lab File: BF133824.D
Acq: 17 Jun 2023 00:48

Instrument :

BNA_F

ClientSampleId :

SOIL-001



Tgt Ion:276 Resp: 76880
Ion Ratio Lower Upper
276 100
277 24.3 19.8 29.8
138 19.8 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023

