

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
 Data File : BF127064.D
 Acq On : 24 Feb 2022 18:30
 Operator : CG\JU
 Sample : N1650-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-SURFICIAL-SOIL-(SW-SS)

Quant Time: Feb 25 01:46:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/25/2022
 Supervised By :Jagrut Upadhyay 02/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	79276	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	301896	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	136756	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	203406	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	139928	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	98185	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	162672	31.715	ng	0.00
7) Phenol-d6	6.528	99	212077	30.642	ng	-0.01
23) Nitrobenzene-d5	7.463	82	152163	22.750	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	46003	29.216	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	231950	24.969	ng	0.00
79) Terphenyl-d14	13.021	244	195593	20.548	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.463	178	49706	4.366	ng	98
75) Fluoranthene	12.657	202	78087	7.224	ng	89
78) Pyrene	12.886	202	68465	5.632	ng	99
81) Benzo(a)anthracene	14.074	228	33118	3.511	ng	93
83) Chrysene	14.110	228	28253	3.185	ng	94
87) Indeno(1,2,3-cd)pyrene	17.115	276	15383	2.389	ng	# 66
88) Benzo(b)fluoranthene	15.139	252	36843m	5.587	ng	
90) Benzo(a)pyrene	15.521	252	21199	4.116	ng	# 93
92) Benzo(g,h,i)perylene	17.574	276	15735	2.998	ng	# 89

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

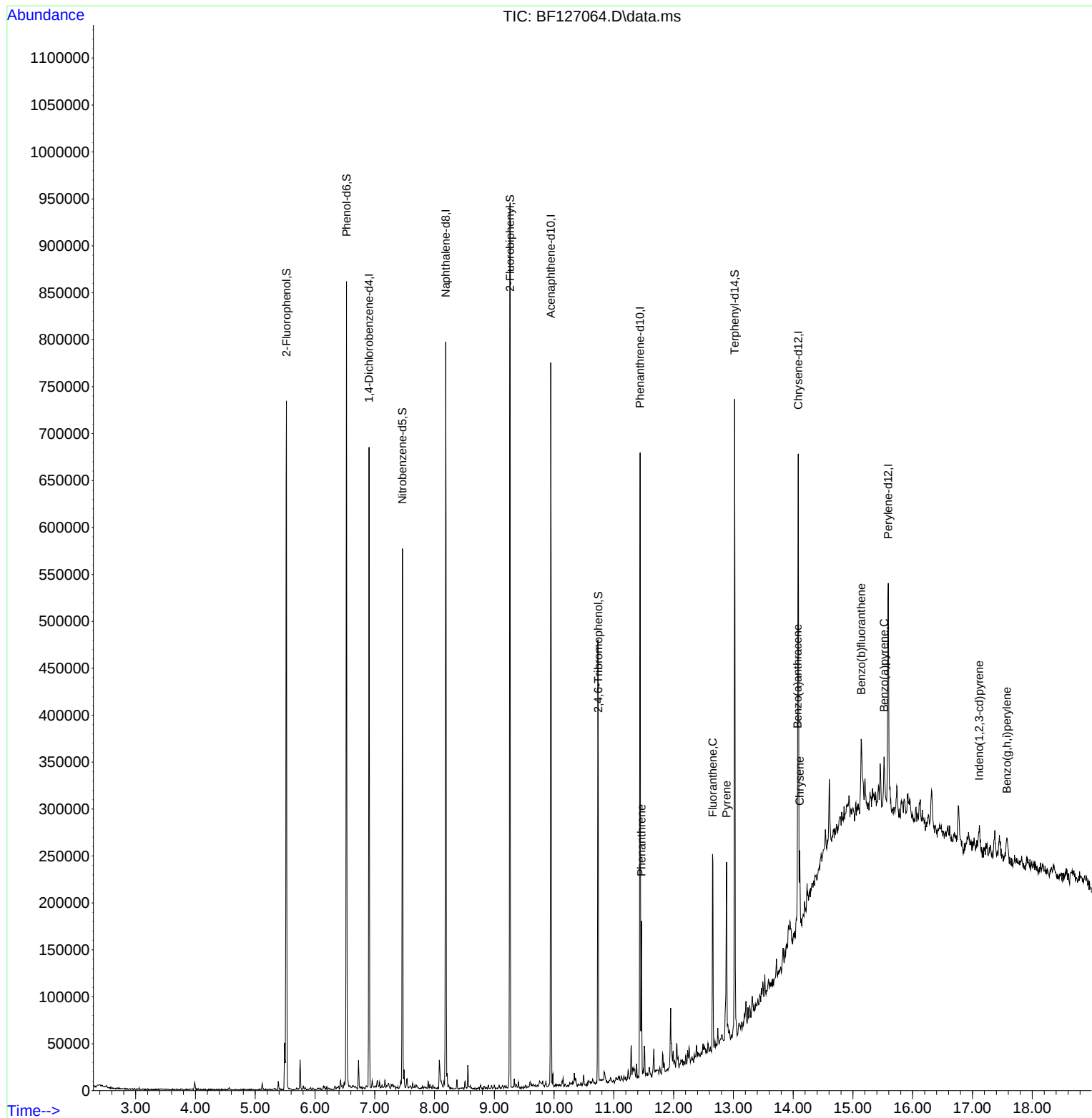
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
Data File : BF127064.D
Acq On : 24 Feb 2022 18:30
Operator : CG\JU
Sample : N1650-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

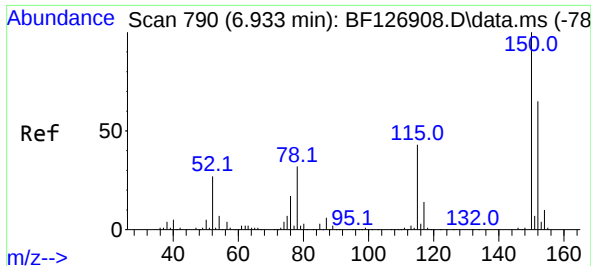
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

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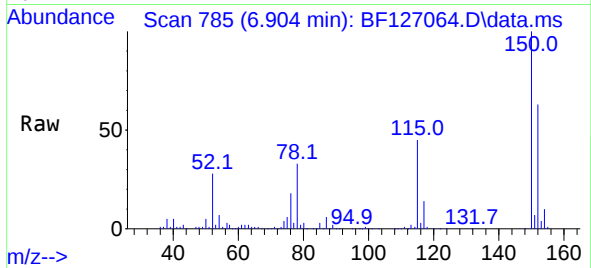
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

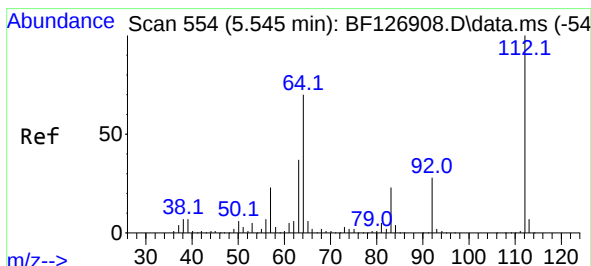
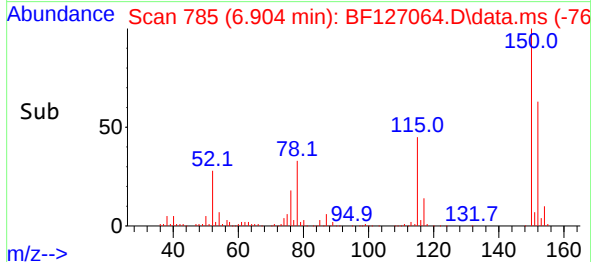
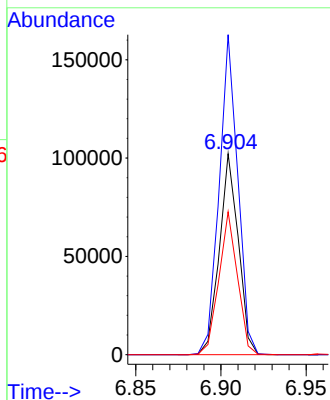
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)



Tgt Ion:152 Resp: 79270
Ion Ratio Lower Upper
152 100
150 159.2 128.1 192.1
115 71.1 56.7 85.1

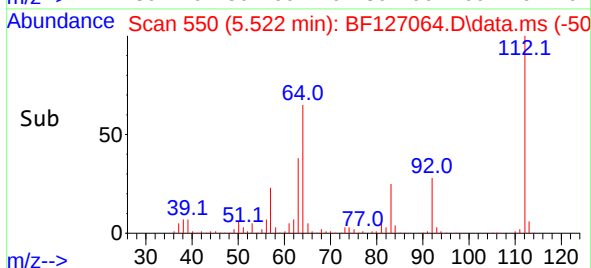
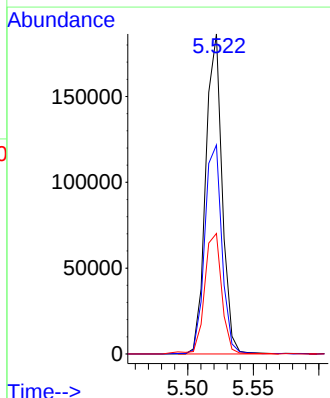
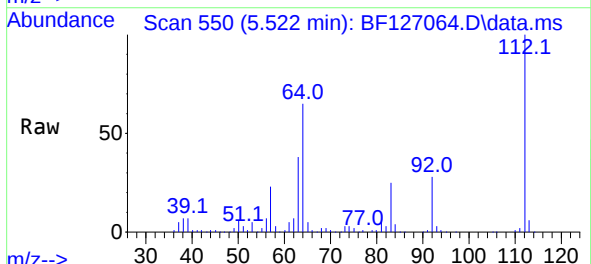
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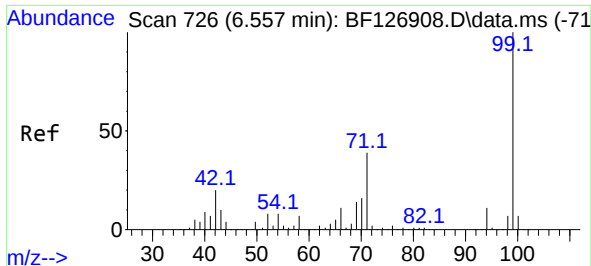
Reviewed By :Christian Giraldo 02/25/2022
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#5
2-Fluorophenol
Concen: 31.715 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Tgt Ion:112 Resp: 162672
Ion Ratio Lower Upper
112 100
64 65.3 49.5 74.3
63 37.6 23.9 35.9





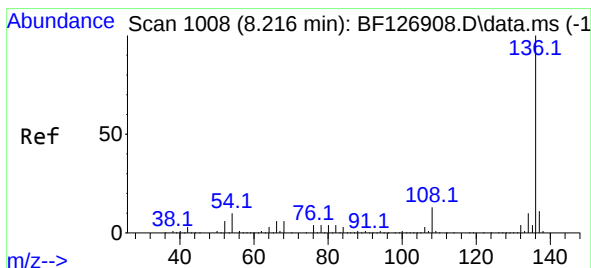
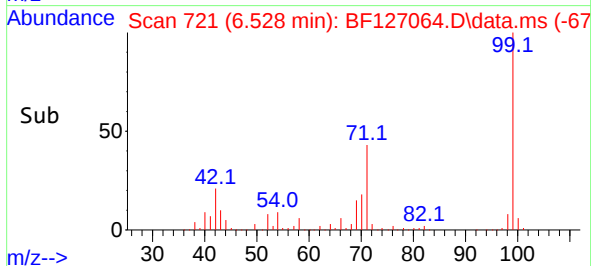
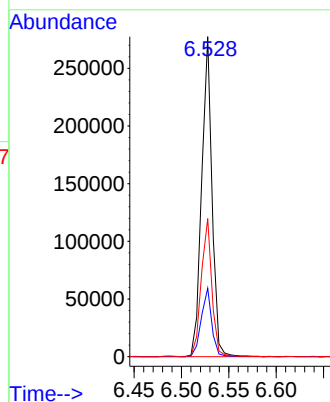
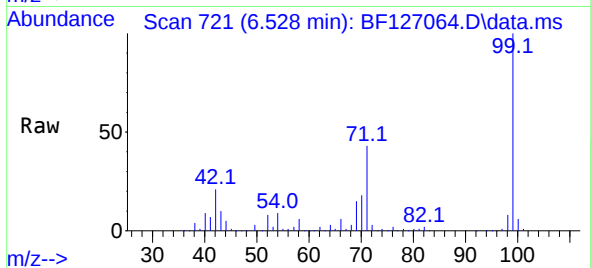
#7
Phenol-d6
Concen: 30.642 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion: 99 Resp: 21207
Ion Ratio Lower Upper
99 100
42 21.4 14.2 21.4
71 43.2 24.3 36.5

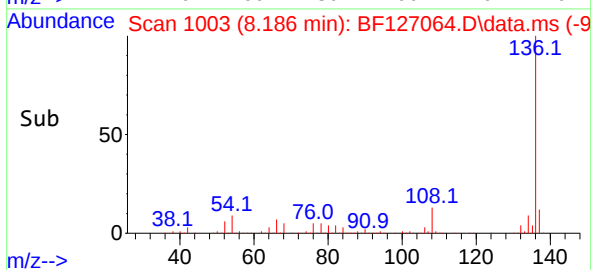
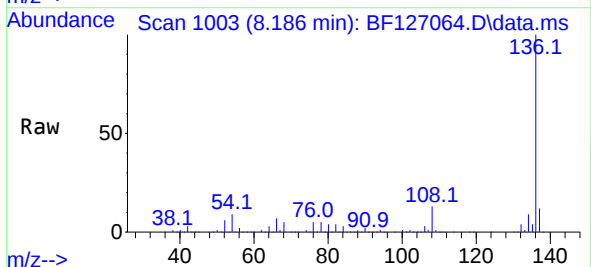
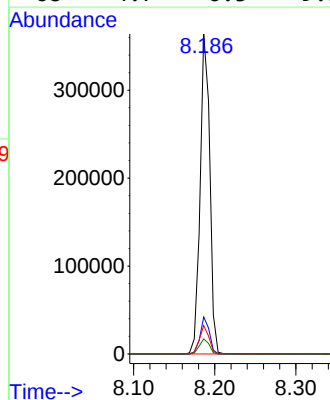
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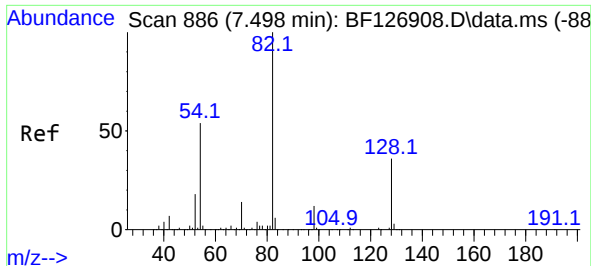
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Tgt Ion:136 Resp: 301896
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 8.9 7.8 11.6
68 4.7 6.3 9.5





#23

Nitrobenzene-d5

Concen: 22.750 ng

RT: 7.463 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

Instrument :

BNA_F

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)

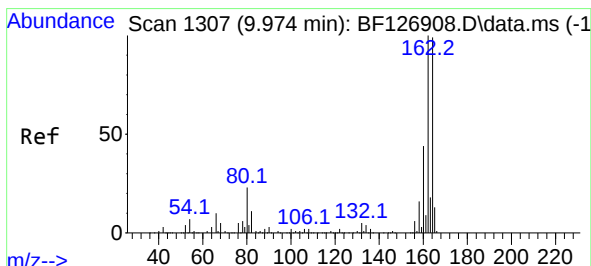
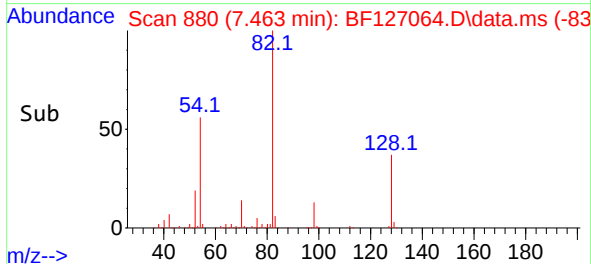
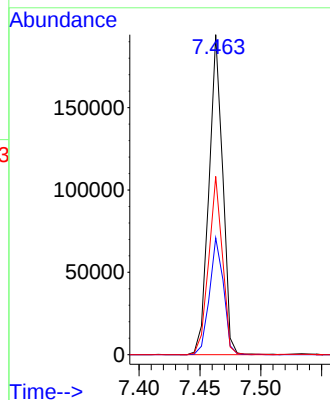
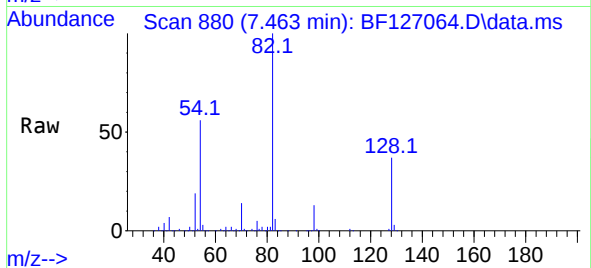
Tgt Ion: 82 Resp: 15216

Ion	Ratio	Lower	Upper
82	100		
128	36.5	32.7	49.1
54	55.7	41.7	62.5

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1302

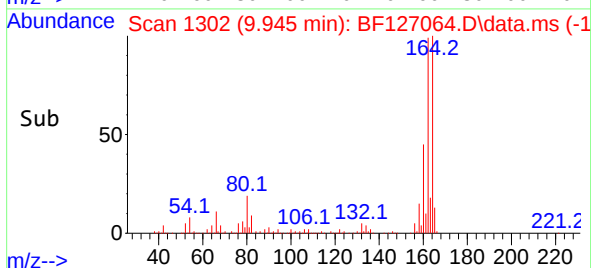
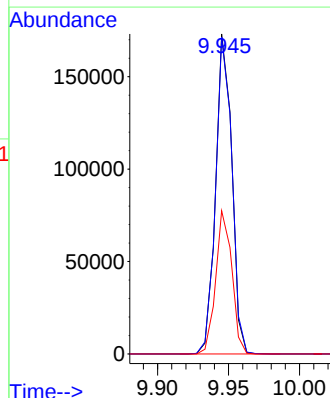
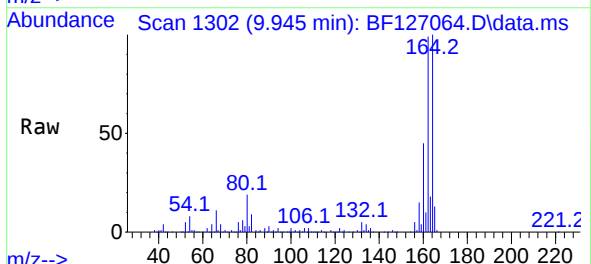
Delta R.T. -0.006 min

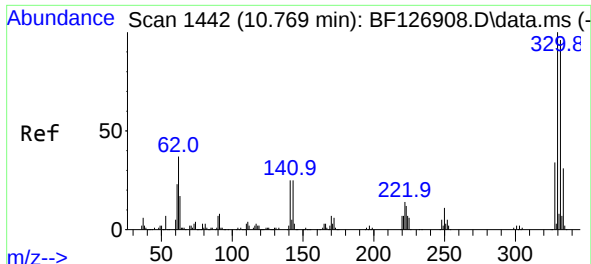
Lab File: BF127064.D

Acq: 24 Feb 2022 18:30

Tgt Ion:164 Resp: 136756

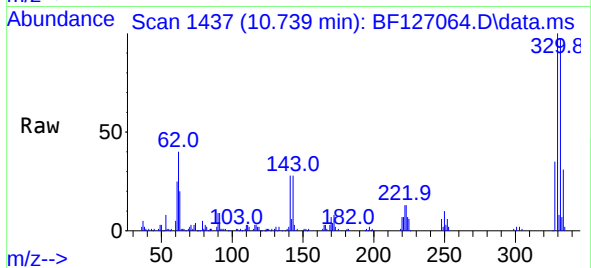
Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.4	122.0
160	44.8	36.6	54.8





#42
2,4,6-Tribromophenol
Concen: 29.216 ng
RT: 10.739 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

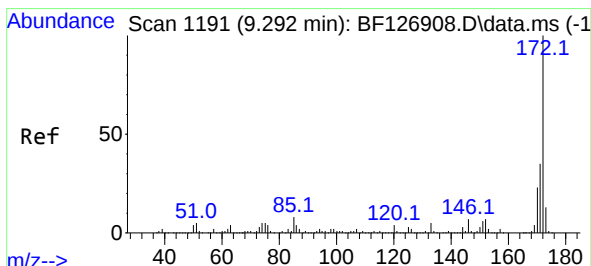
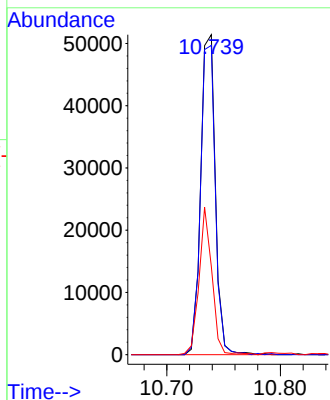
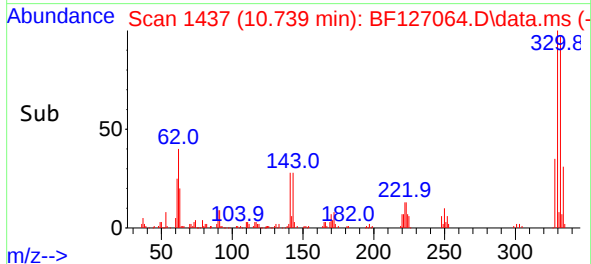
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)



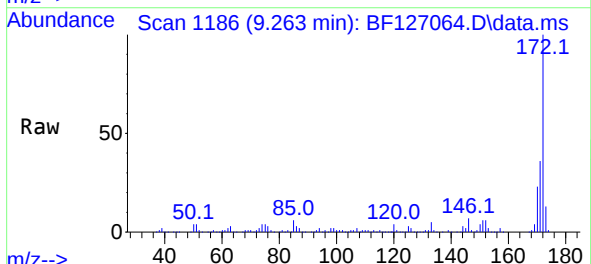
Tgt Ion: 330 Resp: 46000
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 40.8 30.1 45.1

Manual Integrations
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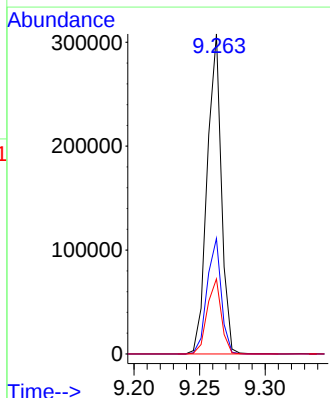
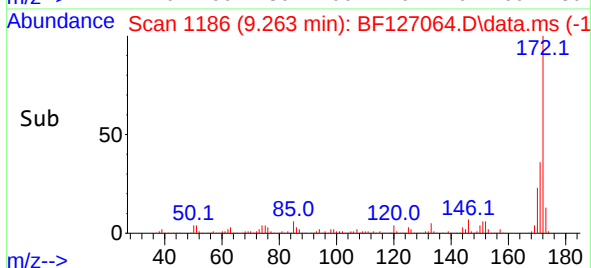
Reviewed By : Christian Giraldo 02/25/2022
Supervised By : Jagrut Upadhyay 02/25/2022

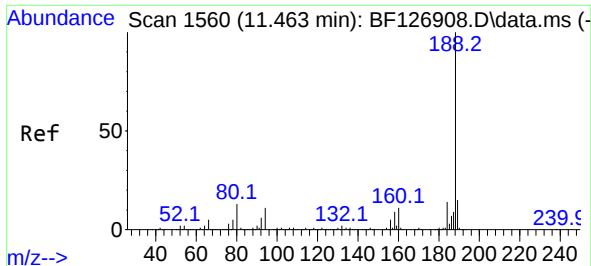


#45
2-Fluorobiphenyl
Concen: 24.969 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30



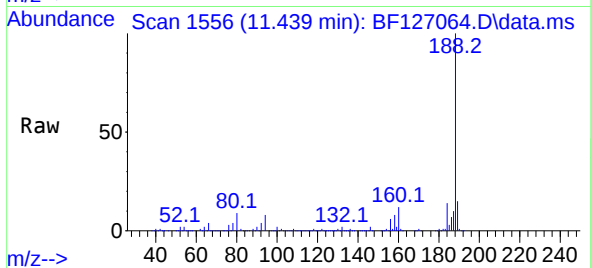
Tgt Ion: 172 Resp: 231950
Ion Ratio Lower Upper
172 100
171 36.1 28.3 42.5
170 23.4 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

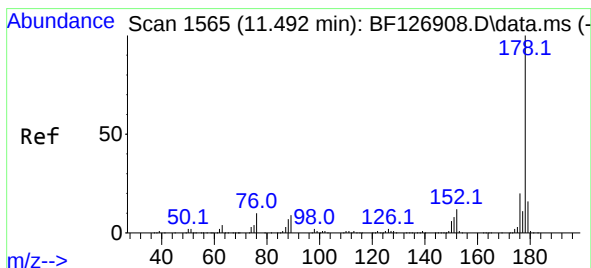
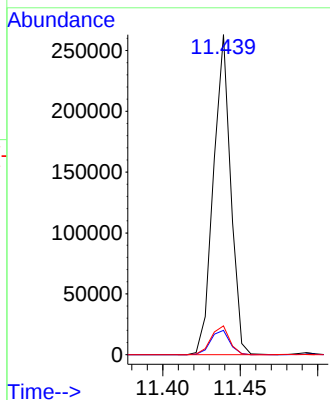
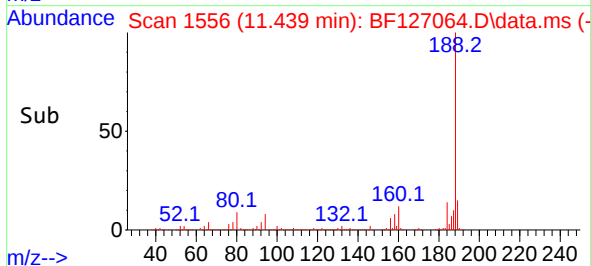
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)



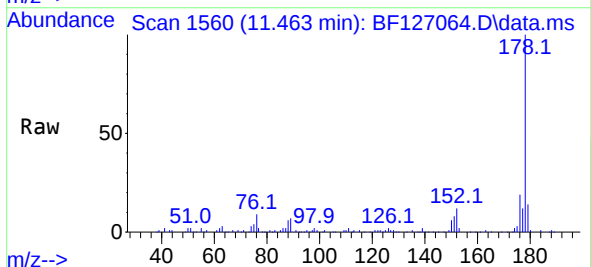
Tgt Ion:188 Resp: 203400
Ion Ratio Lower Upper
188 100
94 7.6 10.1 15.1
80 9.0 11.8 17.6

Manual Integrations
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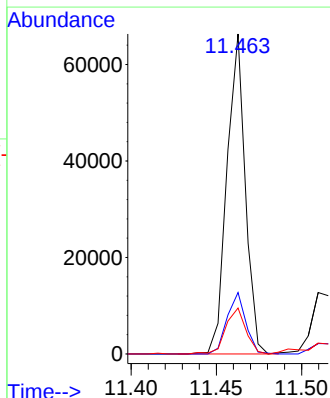
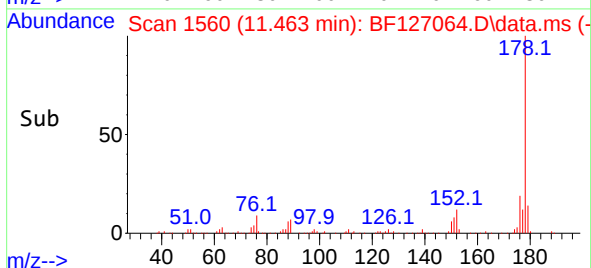
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

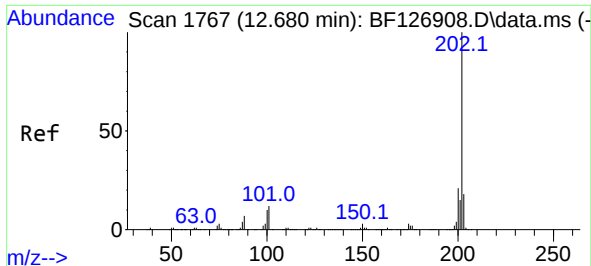


#71
Phenanthrene
Concen: 4.366 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30



Tgt Ion:178 Resp: 49706
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 14.3 12.3 18.5





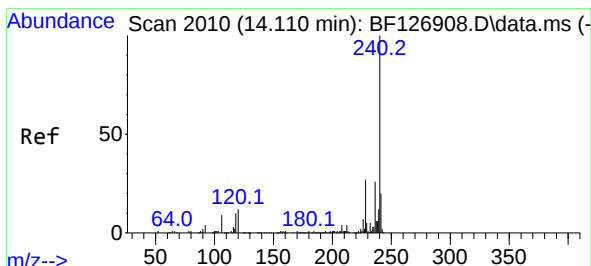
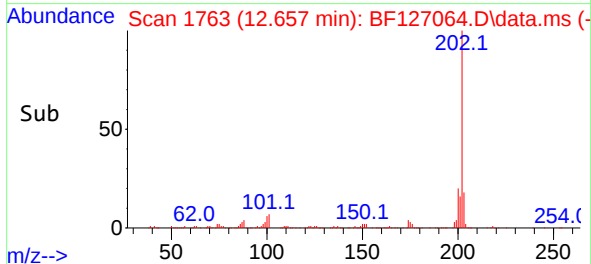
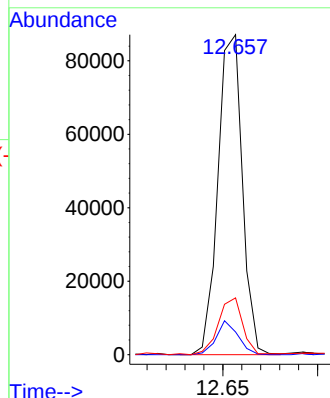
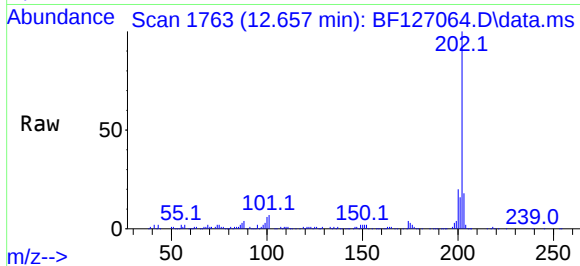
#75
Fluoranthene
Concen: 7.224 ng
RT: 12.657 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion:202 Resp: 7808
Ion Ratio Lower Upper
202 100
101 7.1 0.0 35.7
203 17.8 0.0 37.1

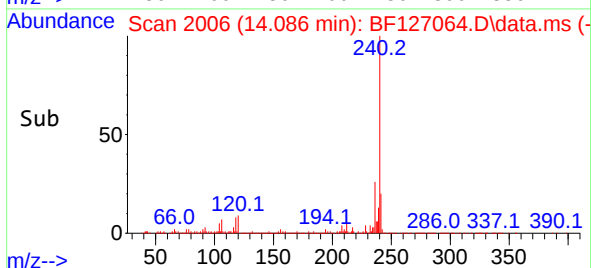
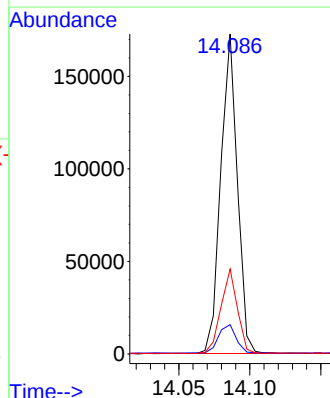
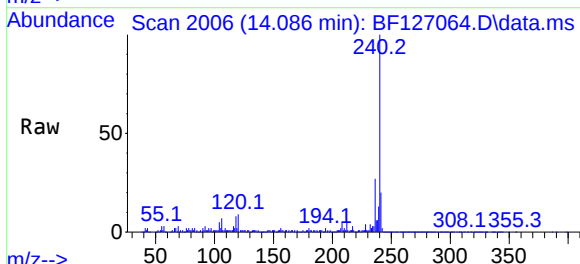
Manual Integrations
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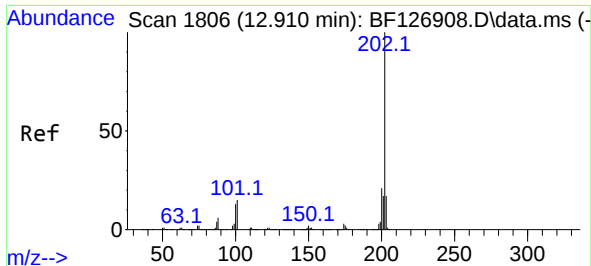
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

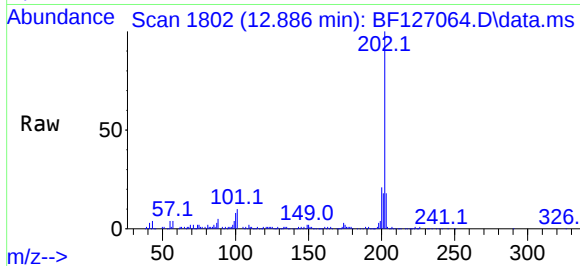
Tgt Ion:240 Resp: 139928
Ion Ratio Lower Upper
240 100
120 9.2 14.4 21.6#
236 26.6 20.5 30.7





#78
Pyrene
Concen: 5.632 ng
RT: 12.886 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

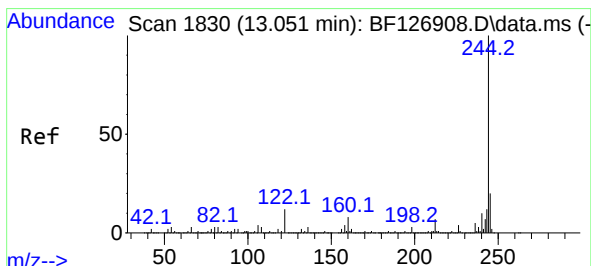
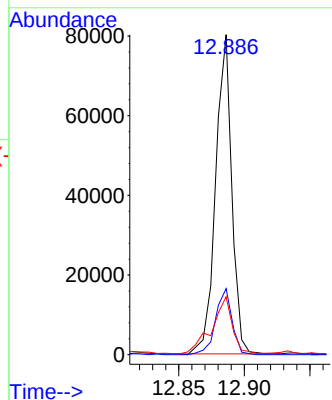
Instrument :
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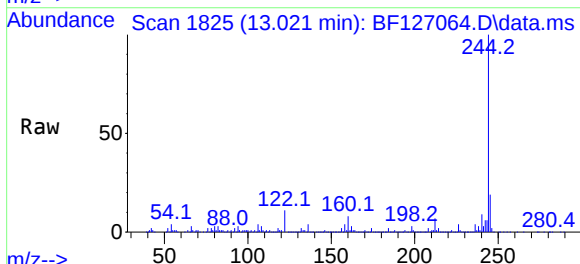
Tgt Ion:202 Resp: 6846
Ion Ratio Lower Upper
202 100
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203 18.1 13.8 20.8

Manual Integrations
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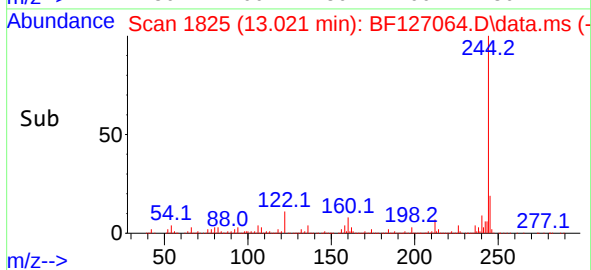
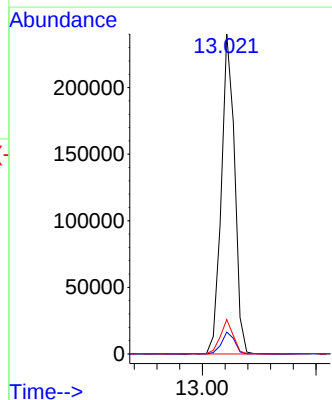
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

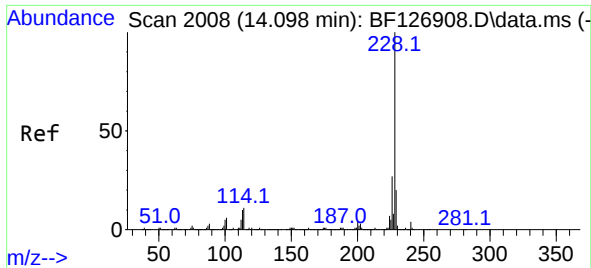


#79
Terphenyl-d14
Concen: 20.548 ng
RT: 13.021 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30



Tgt Ion:244 Resp: 195593
Ion Ratio Lower Upper
244 100
212 6.9 5.0 7.4
122 10.7 13.3 19.9





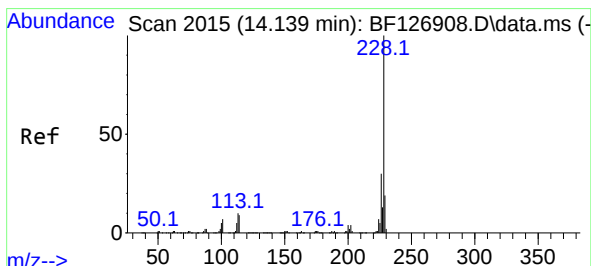
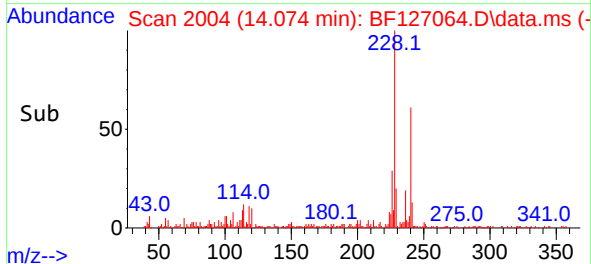
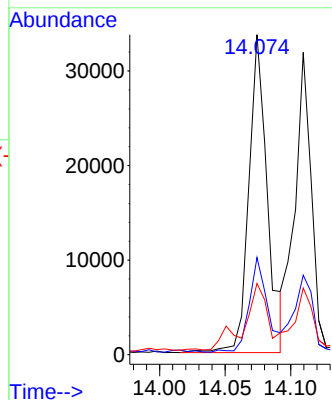
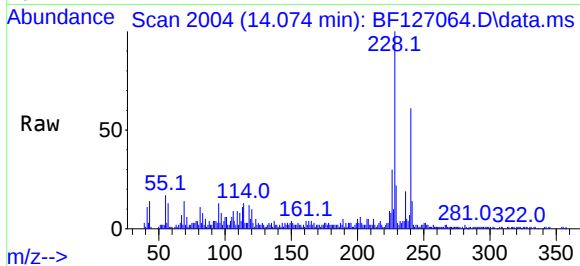
#81
Benzo(a)anthracene
Concen: 3.511 ng
RT: 14.074 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Instrument : BNA_F
Client Sample Id : SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion:228 Resp: 33118
Ion Ratio Lower Upper
228 100
226 30.4 21.4 32.0
229 22.3 15.4 23.2

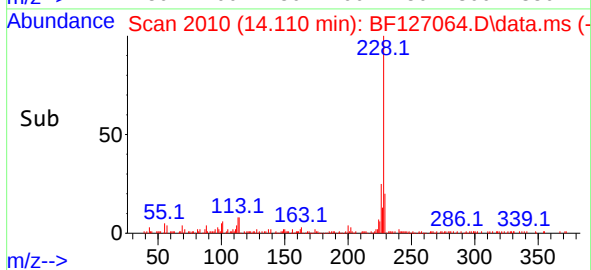
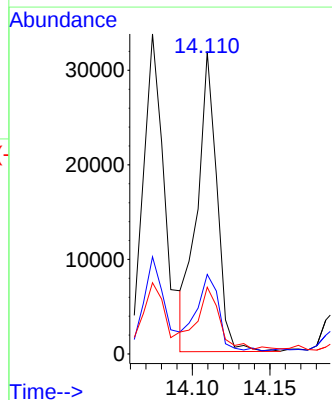
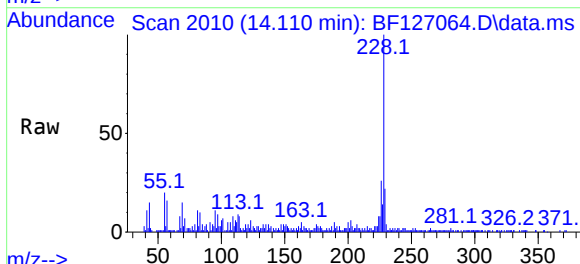
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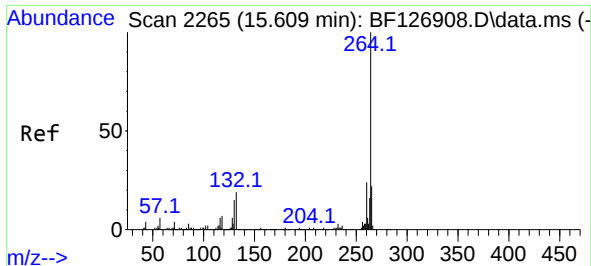
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#83
Chrysene
Concen: 3.185 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

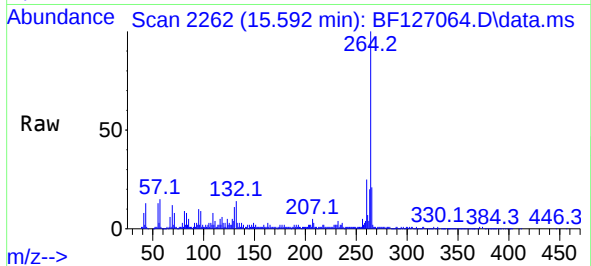
Tgt Ion:228 Resp: 28253
Ion Ratio Lower Upper
228 100
226 26.3 23.7 35.5
229 22.1 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

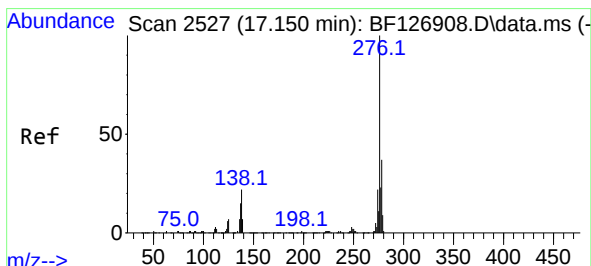
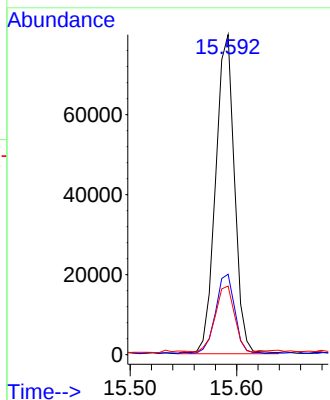
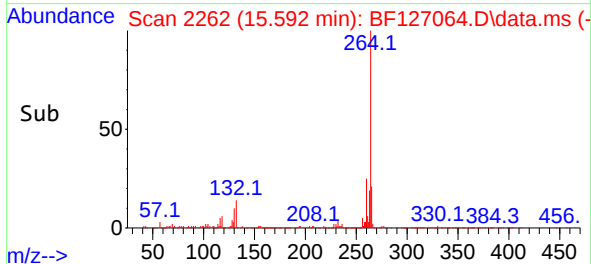
Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)



Tgt Ion:264 Resp: 9818
Ion Ratio Lower Upper
264 100
260 25.2 19.2 28.8
265 21.5 17.4 26.2

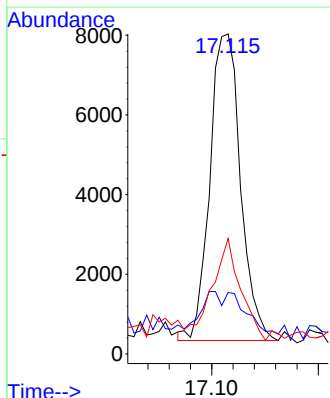
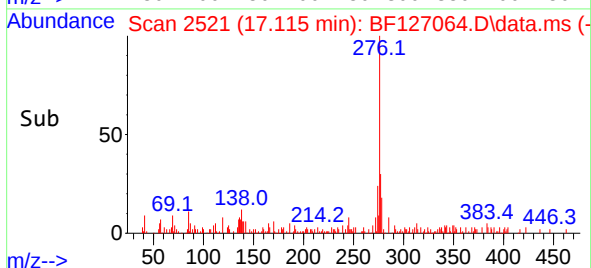
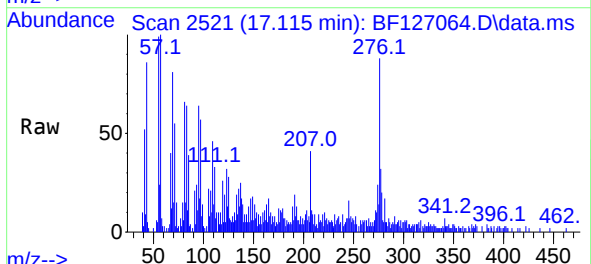
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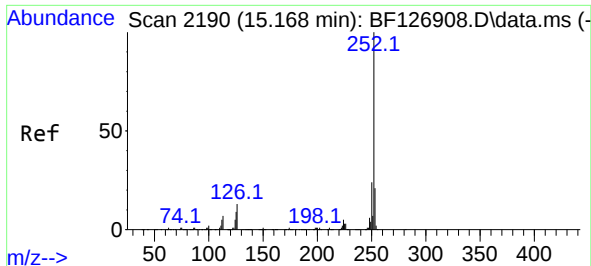
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.389 ng
RT: 17.115 min Scan# 2521
Delta R.T. 0.000 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Tgt Ion:276 Resp: 15383
Ion Ratio Lower Upper
276 100
138 8.1 29.2 43.8#
277 31.1 19.8 29.8#





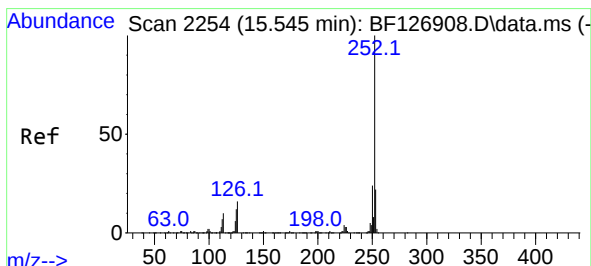
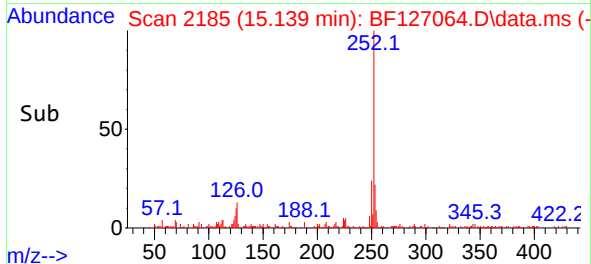
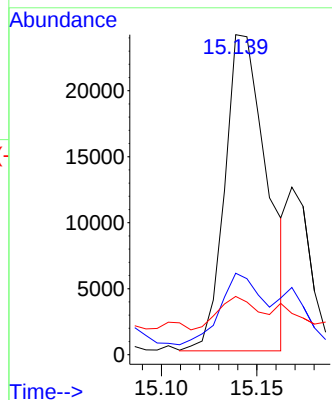
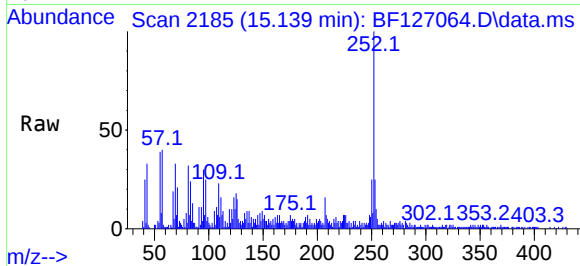
#88
Benzo(b)fluoranthene
Concen: 5.587 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion:252 Resp: 3684
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.8
125 18.2 12.4 18.6

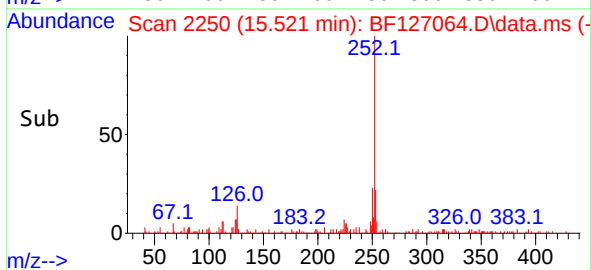
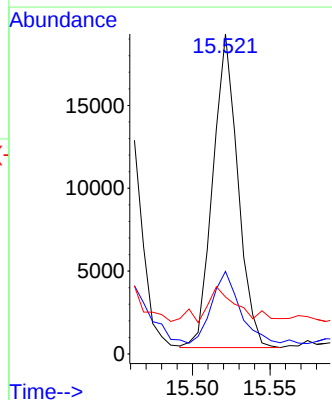
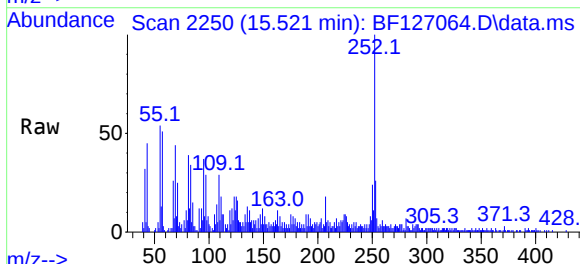
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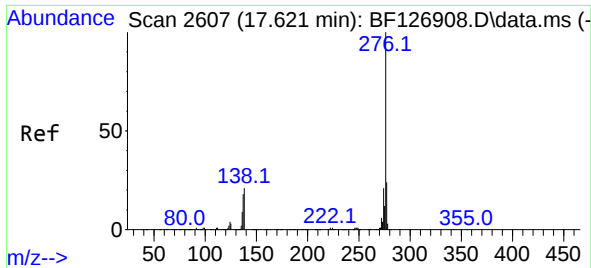
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#90
Benzo(a)pyrene
Concen: 4.116 ng
RT: 15.521 min Scan# 2250
Delta R.T. 0.000 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

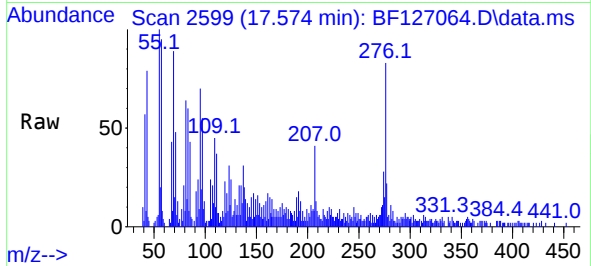
Tgt Ion:252 Resp: 21199
Ion Ratio Lower Upper
252 100
253 25.8 17.1 25.7#
125 17.8 13.0 19.6





#92
Benzo(g,h,i)perylene
Concen: 2.998 ng
RT: 17.574 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF127064.D
Acq: 24 Feb 2022 18:30

Instrument :
BNA_F
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)



Tgt Ion: 276 Resp: 1573

Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.5	27.7
138	24.7	25.9	38.9

Manual Integrations
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Reviewed By : Christian Giraldo 02/25/2022
Supervised By : Jagrut Upadhyay 02/25/2022

