

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
 Data File : BF127061.D
 Acq On : 24 Feb 2022 17:05
 Operator : CG\JU
 Sample : N1650-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Feb 25 01:45:53 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	69030	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	275594	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	134318	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	192759	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	129593	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	110953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	440572	98.644	ng	0.00
7) Phenol-d6	6.534	99	578329	95.962	ng	0.00
23) Nitrobenzene-d5	7.469	82	436115	71.428	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	147577	95.427	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	674993	73.981	ng	0.00
79) Terphenyl-d14	13.022	244	500893	56.819	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.463	178	56446	5.232	ng	99
75) Fluoranthene	12.651	202	78915	7.703	ng	94
78) Pyrene	12.886	202	80910	7.186	ng	99
81) Benzo(a)anthracene	14.074	228	41185	4.714	ng	94
83) Chrysene	14.110	228	42686	5.196	ng	98
84) Bis(2-ethylhexyl)phtha...	14.051	149	42051	6.009	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.104	276	21291	2.926	ng	# 77
88) Benzo(b)fluoranthene	15.139	252	56917m	7.638	ng	
90) Benzo(a)pyrene	15.521	252	35433m	6.087	ng	
92) Benzo(g,h,i)perylene	17.568	276	20824	3.510	ng	# 85

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

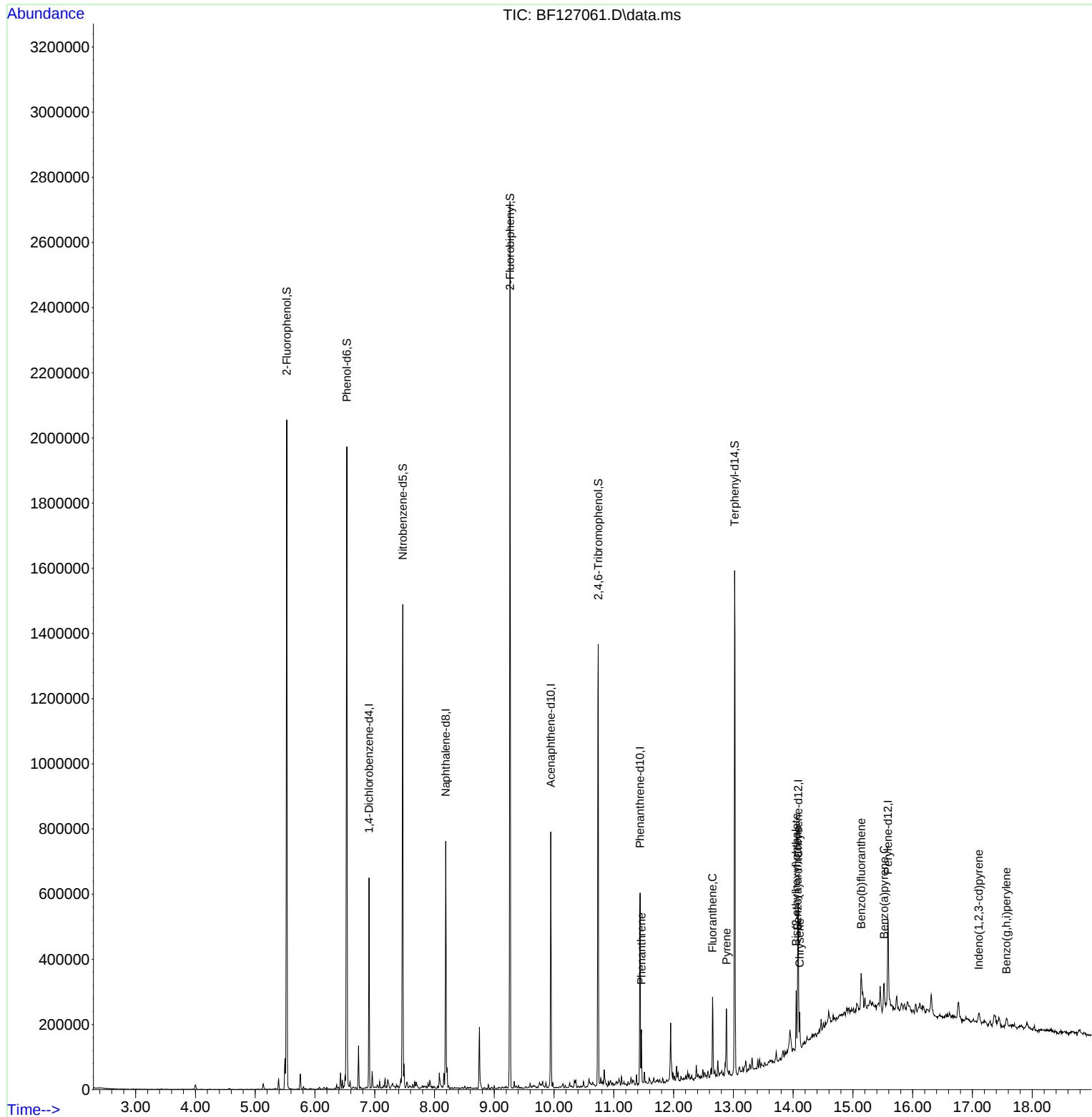
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
Data File : BF127061.D
Acq On : 24 Feb 2022 17:05
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ALS Vial : 8 Sample Multiplier: 1

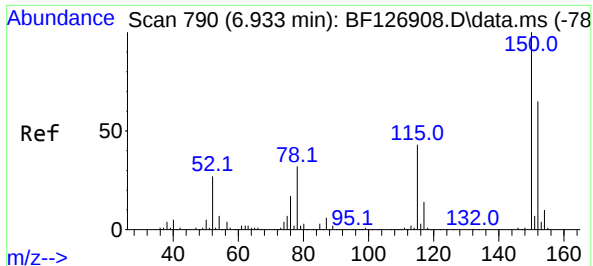
Instrument :
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Quant Time: Feb 25 01:45:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
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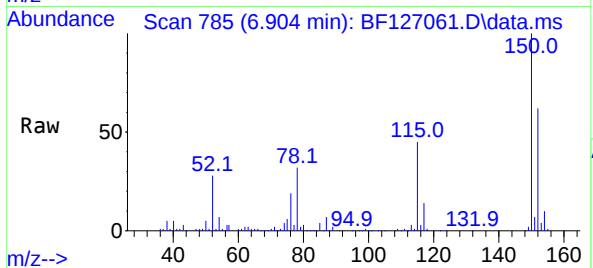
Reviewed By : Christian Giraldo 02/25/2022
Supervised By : Jagrut Upadhyay 02/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

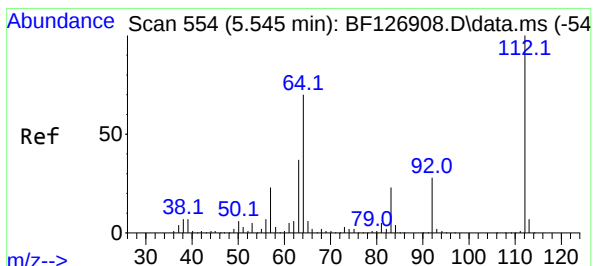
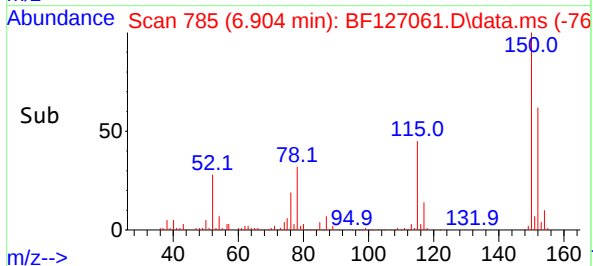
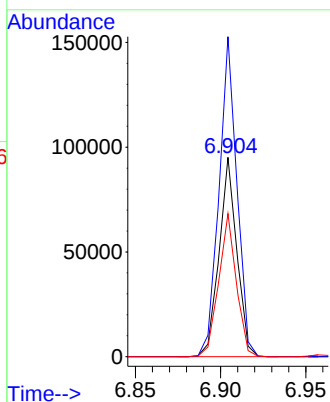
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)



Tgt Ion:152 Resp: 69030
Ion Ratio Lower Upper
152 100
150 160.5 128.1 192.1
115 71.8 56.7 85.1

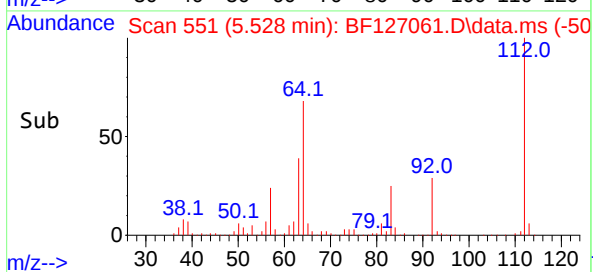
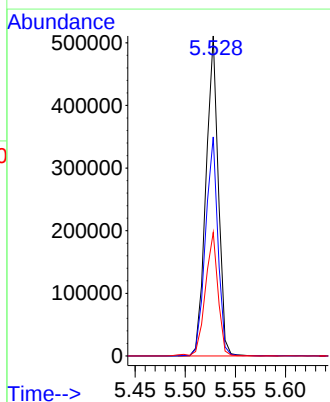
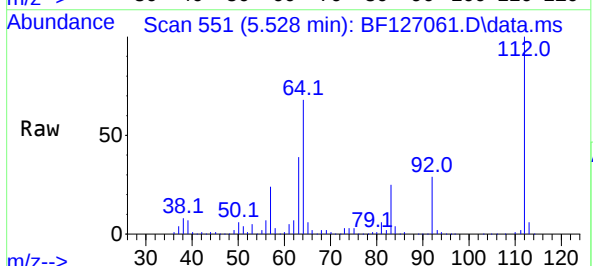
Manual Integrations
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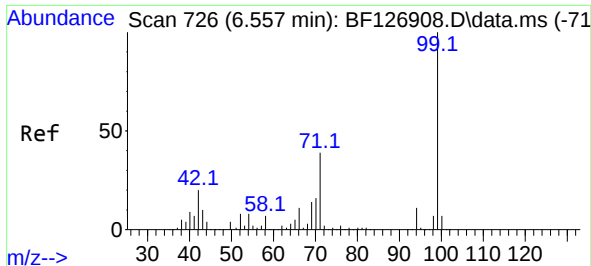
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#5
2-Fluorophenol
Concen: 98.644 ng
RT: 5.528 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

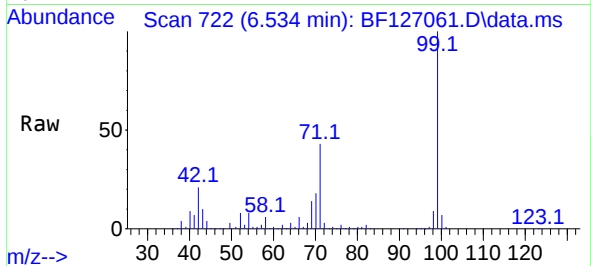
Tgt Ion:112 Resp: 440572
Ion Ratio Lower Upper
112 100
64 68.5 49.5 74.3
63 38.6 23.9 35.9





#7
Phenol-d6
Concen: 95.962 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

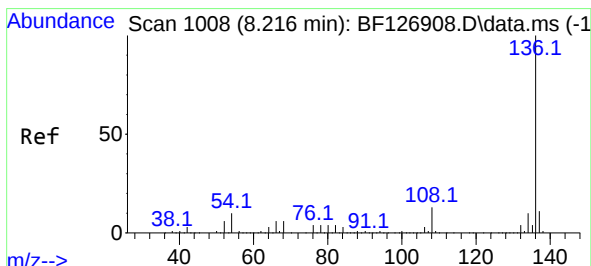
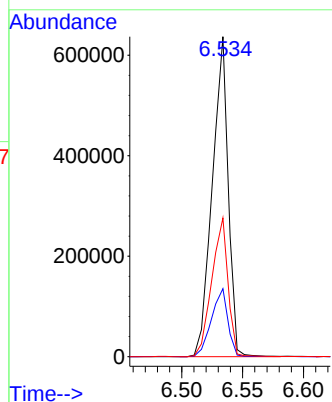
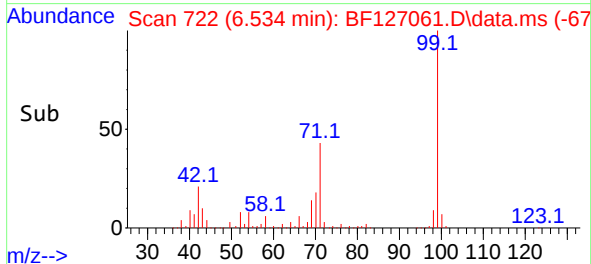
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)



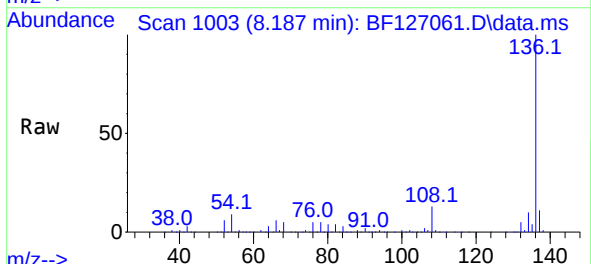
Tgt Ion: 99 Resp: 578329
Ion Ratio Lower Upper
99 100
42 21.2 14.2 21.4
71 43.4 24.3 36.5

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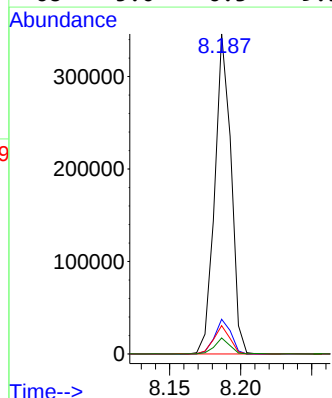
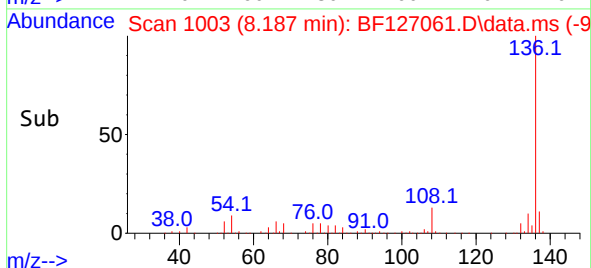
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

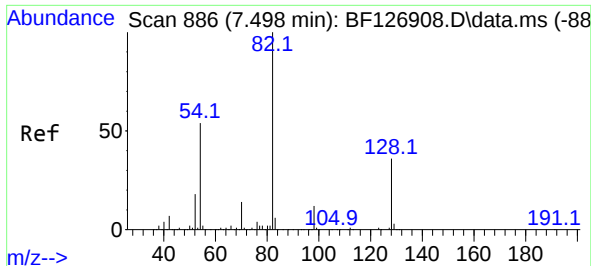


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05



Tgt Ion:136 Resp: 275594
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.9 7.8 11.6
68 5.0 6.3 9.5





#23

Nitrobenzene-d5

Concen: 71.428 ng

RT: 7.469 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127061.D

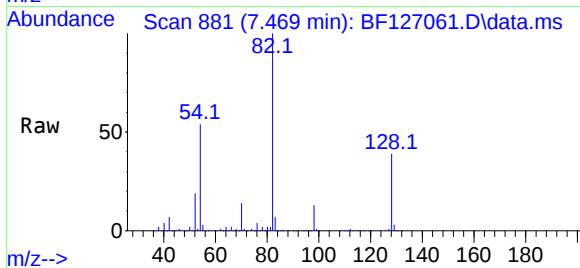
Acq: 24 Feb 2022 17:05

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)



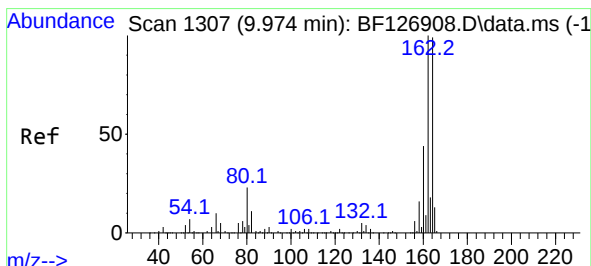
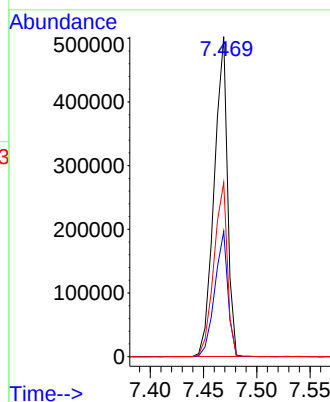
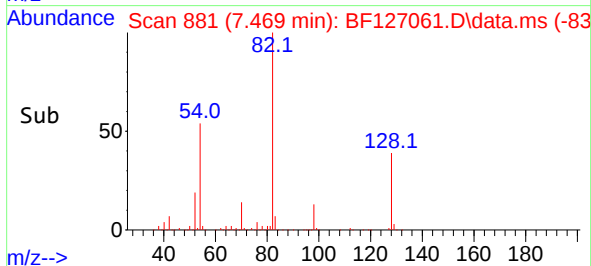
Tgt Ion: 82 Resp: 436115

Ion	Ratio	Lower	Upper
82	100		
128	39.2	32.7	49.1
54	54.5	41.7	62.5

Manual Integrations

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#39

Acenaphthene-d10

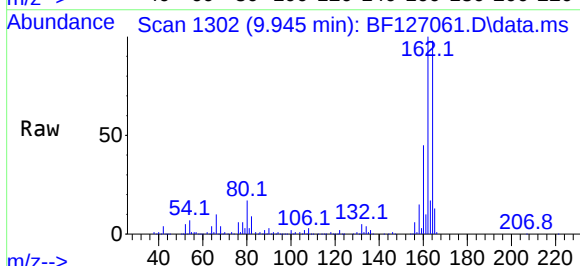
Concen: 20.000 ng

RT: 9.945 min Scan# 1302

Delta R.T. -0.006 min

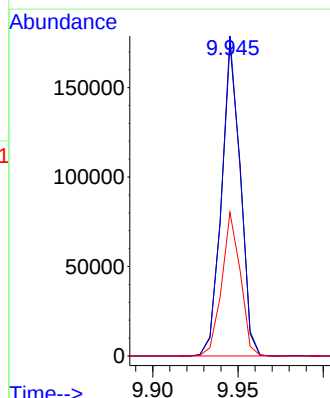
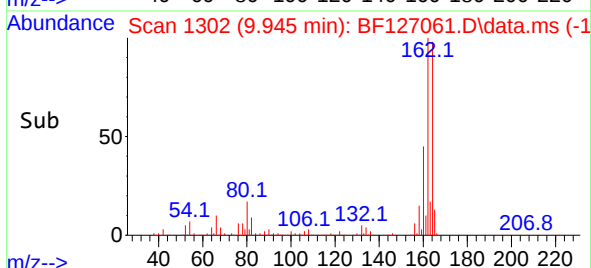
Lab File: BF127061.D

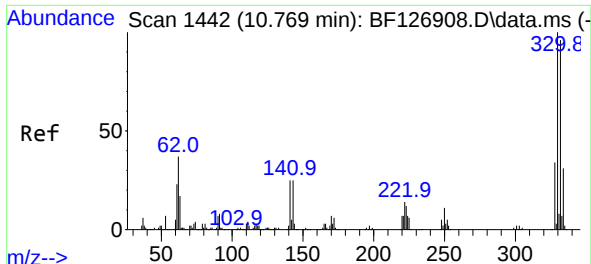
Acq: 24 Feb 2022 17:05



Tgt Ion:164 Resp: 134318

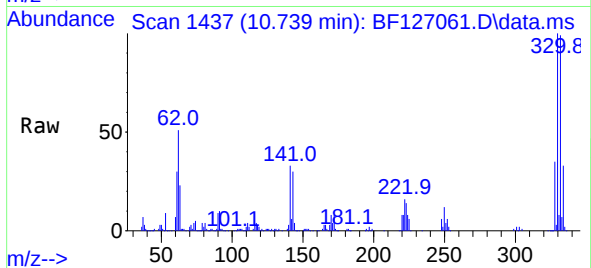
Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.4	122.0
160	45.9	36.6	54.8





#42
2,4,6-Tribromophenol
Concen: 95.427 ng
RT: 10.739 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

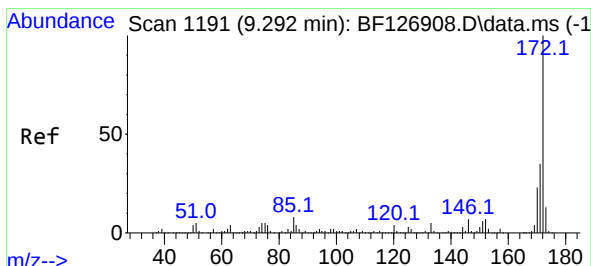
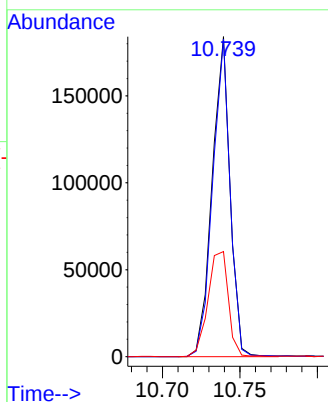
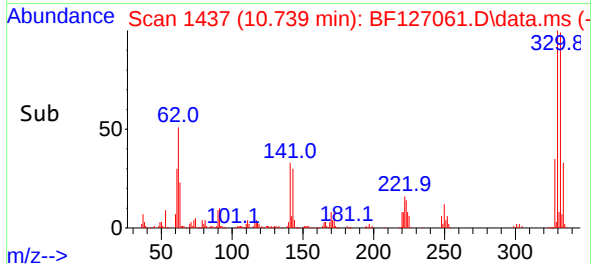
Instrument :
BNA_F
ClientSampleId :
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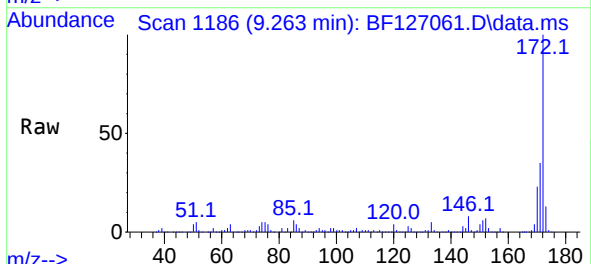
Tgt Ion: 330 Resp: 147572
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 37.8 30.1 45.1

Manual Integrations
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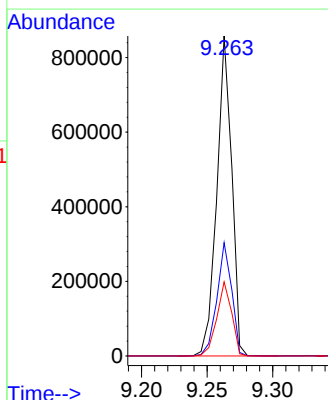
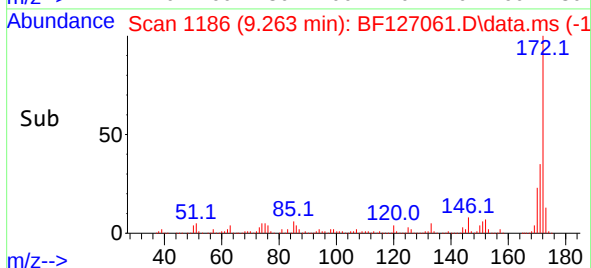
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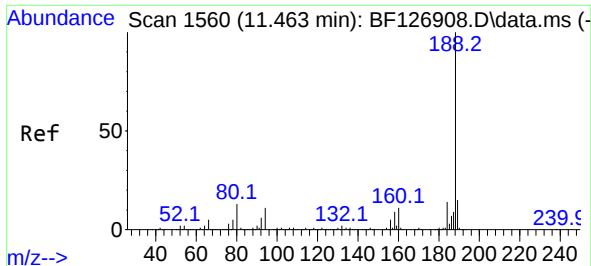


#45
2-Fluorobiphenyl
Concen: 73.981 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05



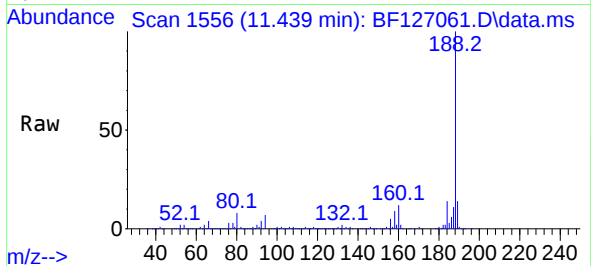
Tgt Ion: 172 Resp: 674993
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

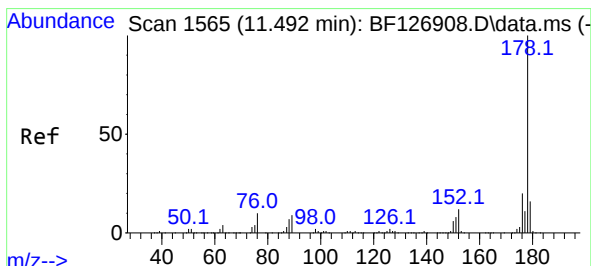
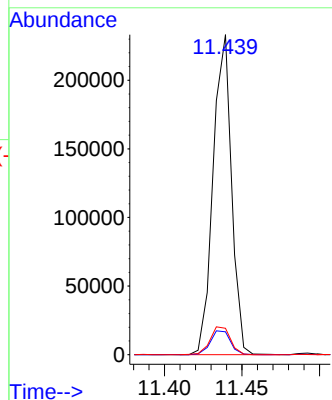
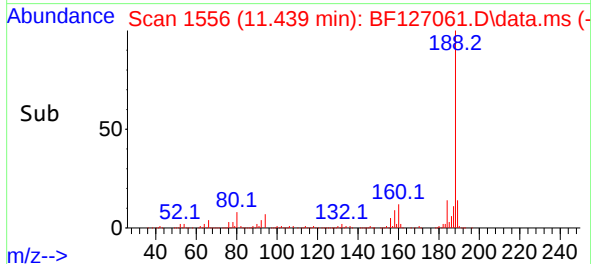
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)



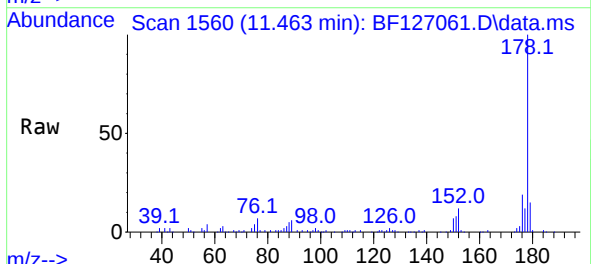
Tgt Ion:188 Resp: 192759
Ion Ratio Lower Upper
188 100
94 7.2 10.1 15.1
80 8.2 11.8 17.6

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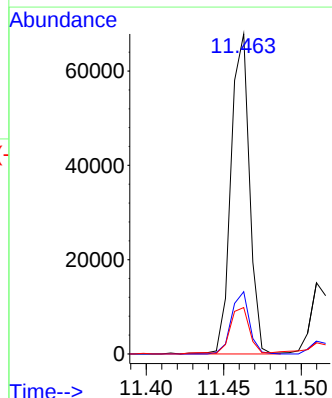
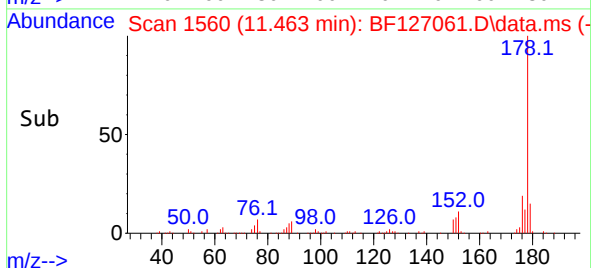
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

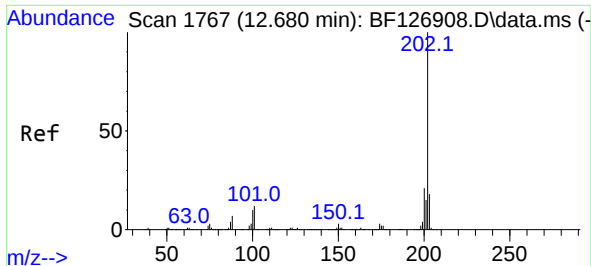


#71
Phenanthrene
Concen: 5.232 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05



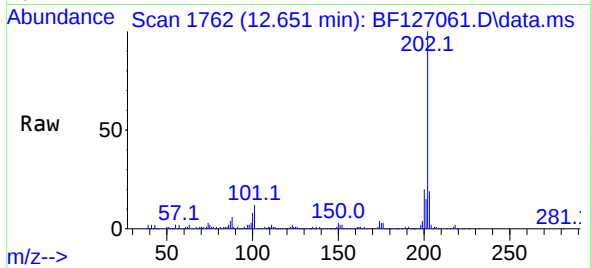
Tgt Ion:178 Resp: 56446
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 14.5 12.3 18.5





#75
Fluoranthene
Concen: 7.703 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

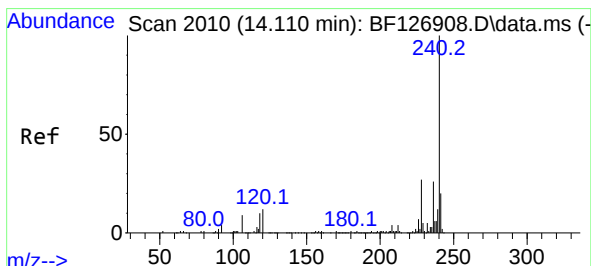
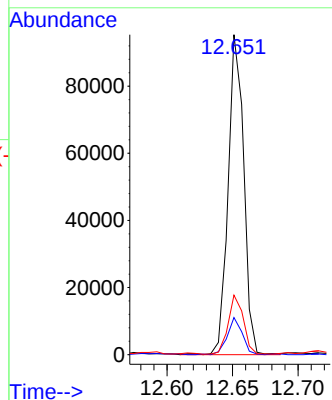
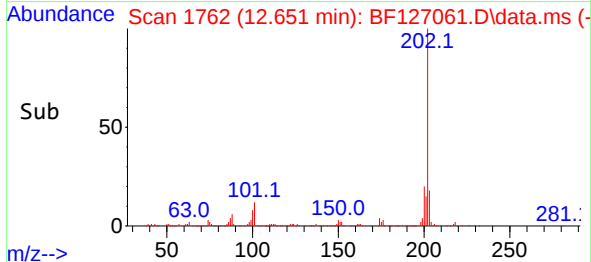
Instrument :
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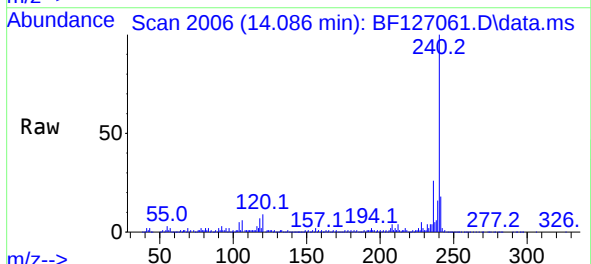
Tgt Ion:202 Resp: 78915
Ion Ratio Lower Upper
202 100
101 11.6 0.0 35.7
203 18.6 0.0 37.1

Manual Integrations
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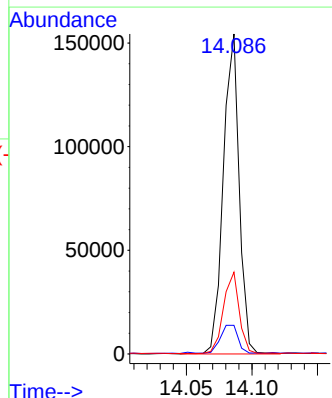
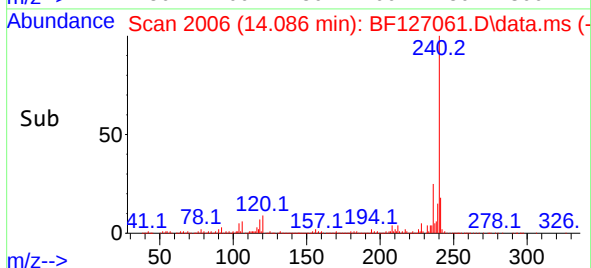
Reviewed By :Christian Giraldo 02/25/2022
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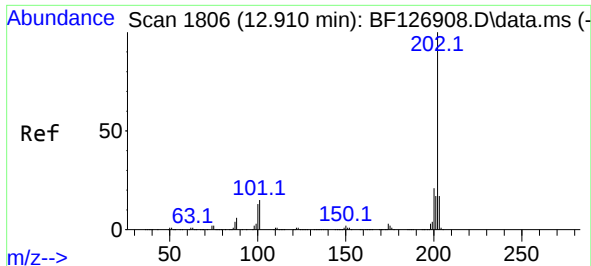


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05



Tgt Ion:240 Resp: 129593
Ion Ratio Lower Upper
240 100
120 8.9 14.4 21.6#
236 25.5 20.5 30.7





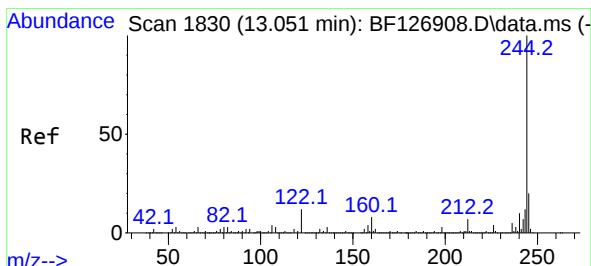
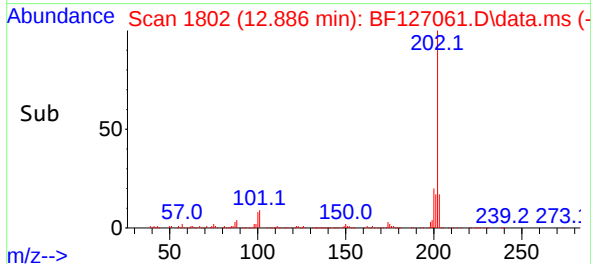
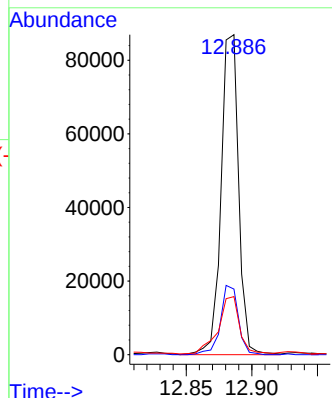
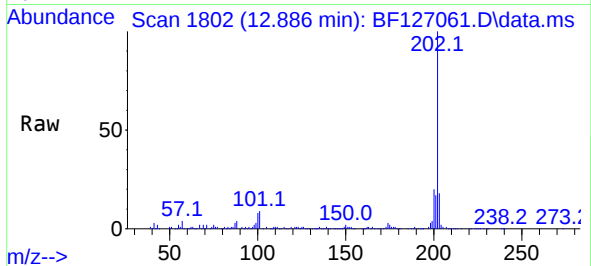
#78
Pyrene
Concen: 7.186 ng
RT: 12.886 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

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

Tgt Ion:202 Resp: 80910
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 18.1 13.8 20.8

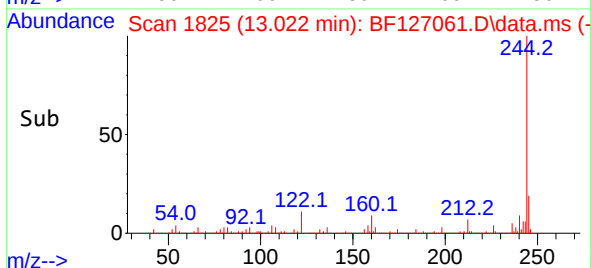
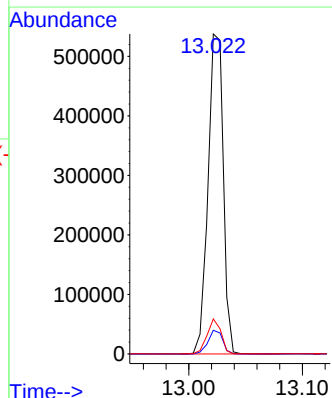
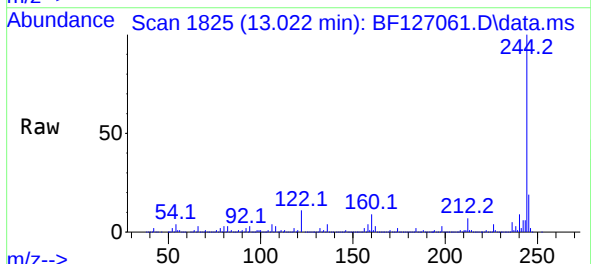
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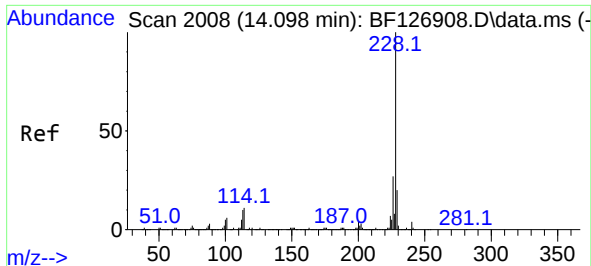
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#79
Terphenyl-d14
Concen: 56.819 ng
RT: 13.022 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion:244 Resp: 500893
Ion Ratio Lower Upper
244 100
212 7.4 5.0 7.4
122 11.0 13.3 19.9





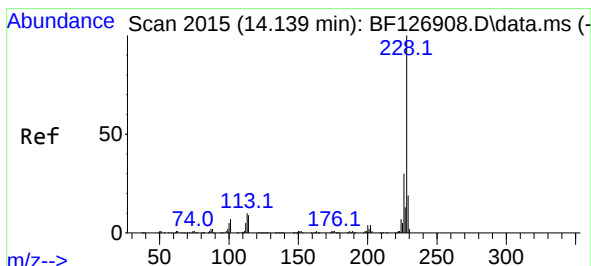
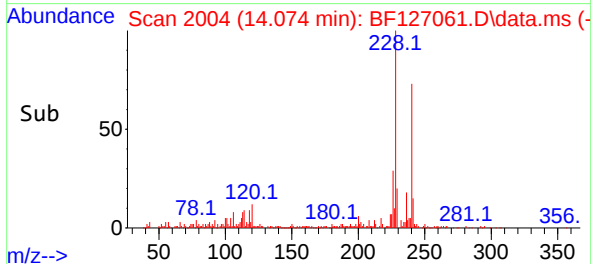
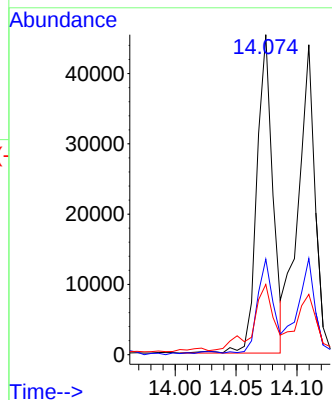
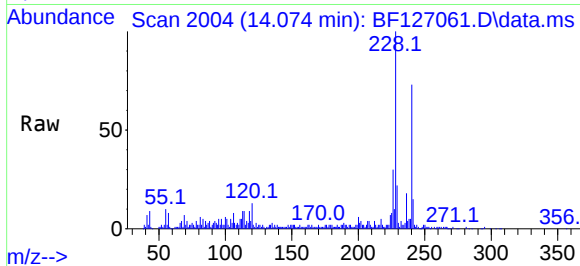
#81
Benzo(a)anthracene
Concen: 4.714 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

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

Tgt Ion:228 Resp: 41185
Ion Ratio Lower Upper
228 100
226 29.9 21.4 32.0
229 21.9 15.4 23.2

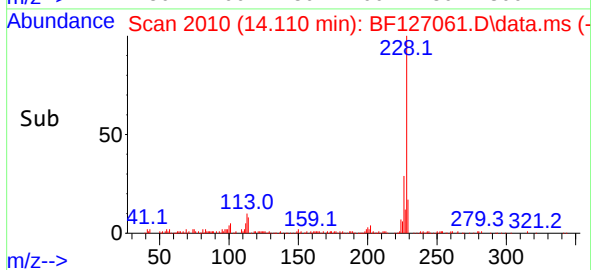
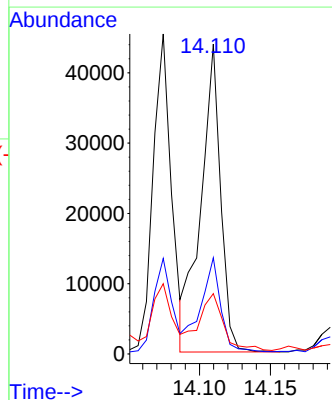
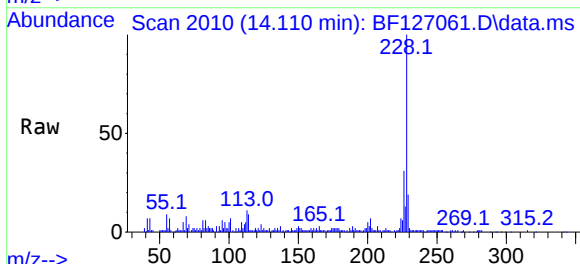
Manual Integrations
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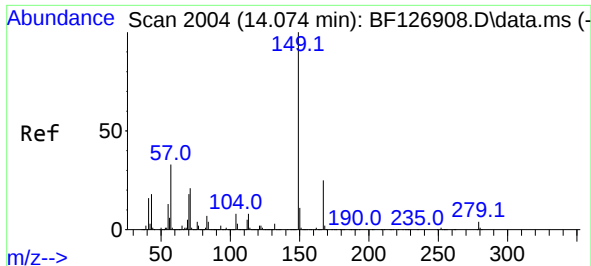
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#83
Chrysene
Concen: 5.196 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

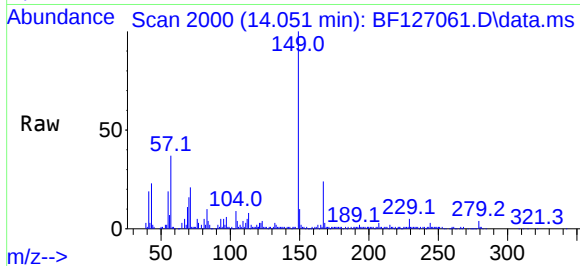
Tgt Ion:228 Resp: 42686
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 19.5 15.5 23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 6.009 ng
RT: 14.051 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

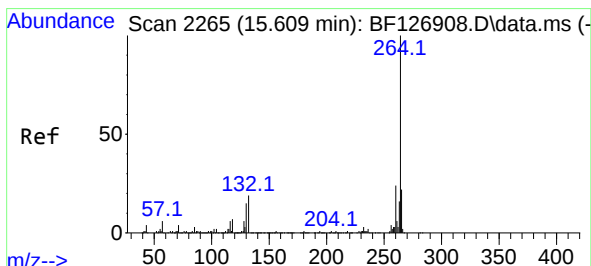
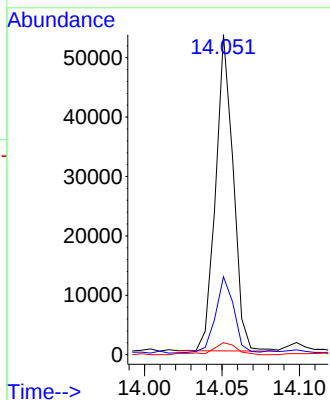
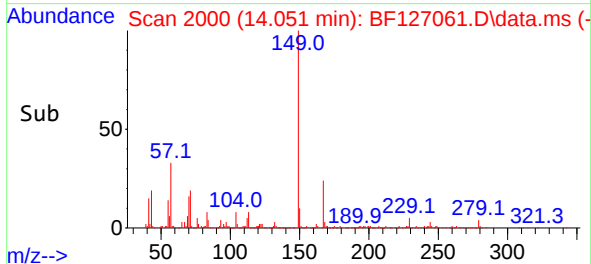
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)



Tgt Ion:149 Resp: 4205
Ion Ratio Lower Upper
149 100
167 24.4 21.4 32.2
279 3.7 2.4 3.6

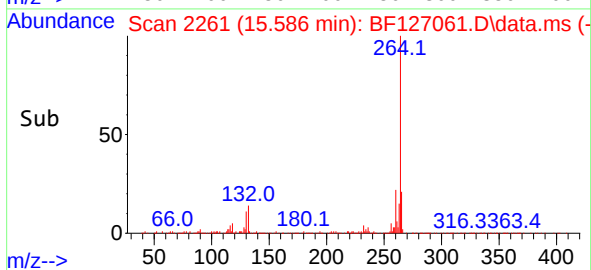
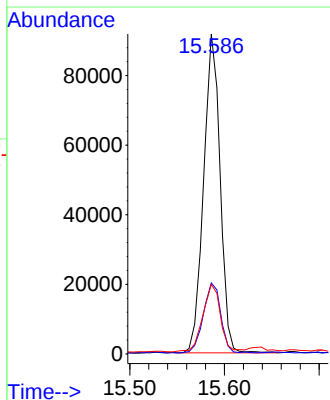
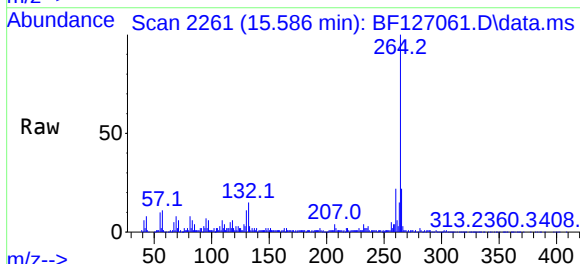
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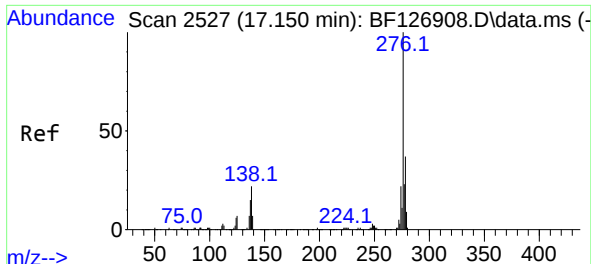
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

Tgt Ion:264 Resp: 110953
Ion Ratio Lower Upper
264 100
260 22.2 19.2 28.8
265 21.8 17.4 26.2





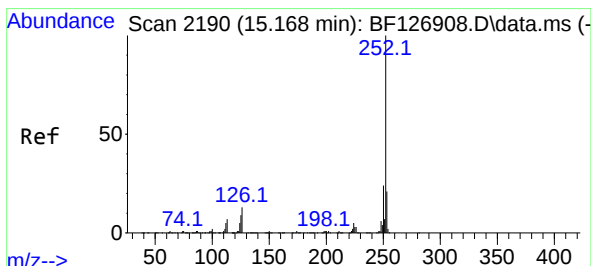
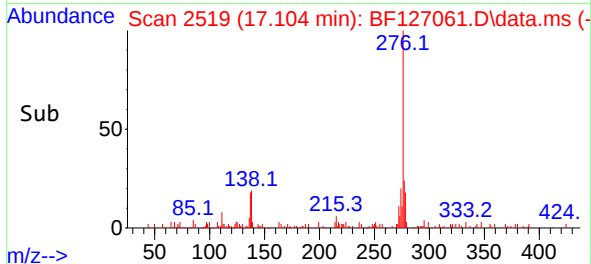
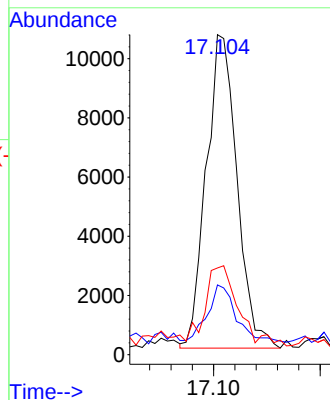
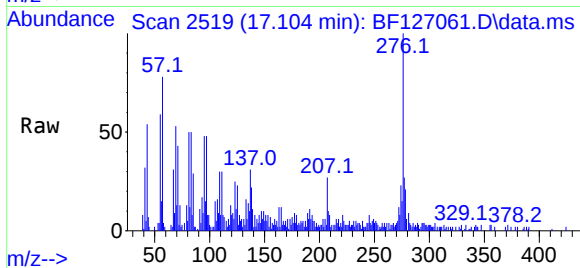
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.926 ng
RT: 17.104 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

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

Tgt Ion: 276 Resp: 2129
Ion Ratio Lower Upper
276 100
138 17.0 29.2 43.8
277 28.4 19.8 29.8

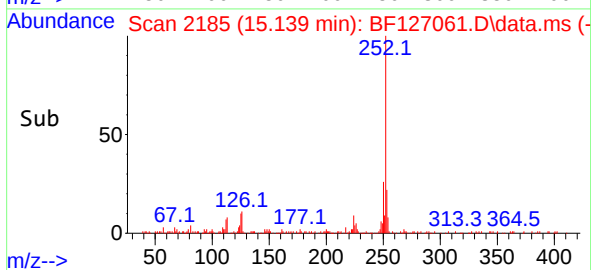
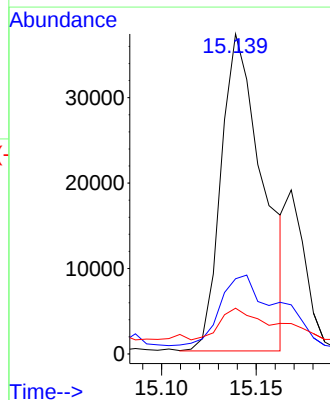
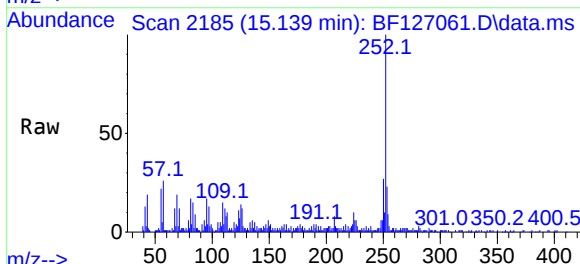
Manual Integrations
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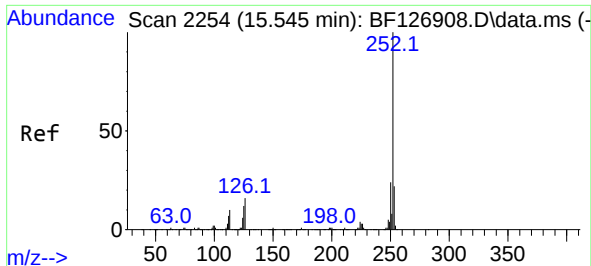
Reviewed By : Christian Giraldo 02/25/2022
Supervised By : Jagrut Upadhyay 02/25/2022



#88
Benzo(b)fluoranthene
Concen: 7.638 ng m
RT: 15.139 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

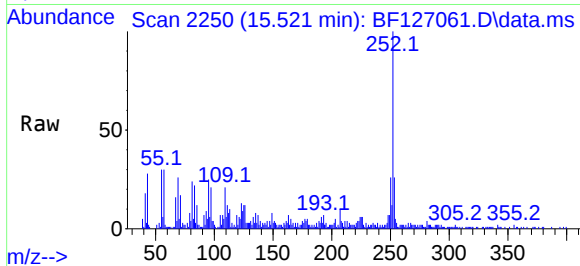
Tgt Ion: 252 Resp: 56917
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 14.3 12.4 18.6





#90
Benzo(a)pyrene
Concen: 6.087 ng m
RT: 15.521 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05

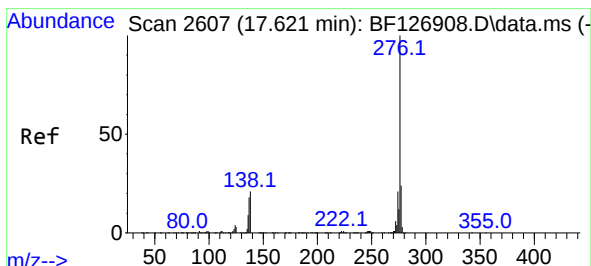
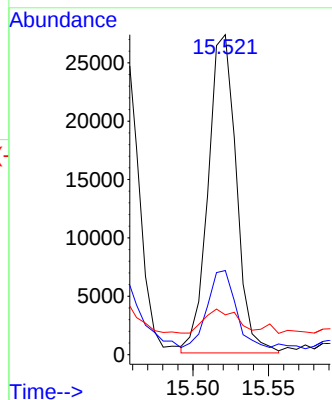
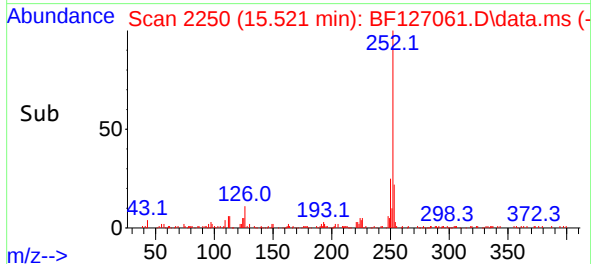
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)



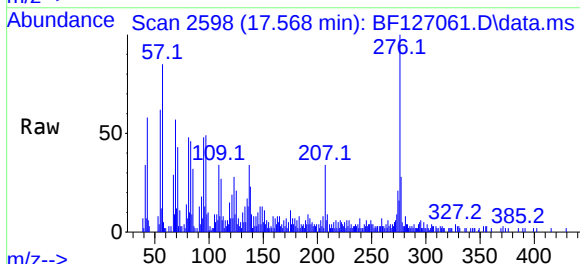
Tgt Ion:252 Resp: 3543
Ion Ratio Lower Upper
252 100
253 26.3 17.1 25.7#
125 12.5 13.0 19.6#

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



#92
Benzo(g,h,i)perylene
Concen: 3.510 ng
RT: 17.568 min Scan# 2598
Delta R.T. -0.012 min
Lab File: BF127061.D
Acq: 24 Feb 2022 17:05



Tgt Ion:276 Resp: 20824
Ion Ratio Lower Upper
276 100
277 28.4 18.5 27.7#
138 22.7 25.9 38.9#

