

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126118.D
 Acq On : 10 Nov 2021 20:58
 Operator : JU/CG
 Sample : M4603-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ISCO-SOIL-IDW-11082021

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/11/2021
 Supervised By :mohammad ahmed 11/11/2021

Quant Time: Nov 11 09:32:48 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	131970	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	422712	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	227551	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	412752	20.000	ng	0.00
76) Chrysene-d12	14.016	240	349173	20.000	ng	# 0.00
86) Perylene-d12	15.486	264	271107	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	29734	3.869	ng	0.00
7) Phenol-d6	6.475	99	36801	3.397	ng	-0.01
23) Nitrobenzene-d5	7.410	82	26942	3.006	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	10893	4.177	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	58066	3.448	ng	0.00
79) Terphenyl-d14	12.957	244	71257	3.291	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	12.586	202	92022	3.692	ng	96
78) Pyrene	12.816	202	93348	3.334	ng	97
81) Benzo(a)anthracene	14.004	228	56939	2.374	ng	96
83) Chrysene	14.039	228	46897	2.101	ng	96
88) Benzo(b)fluoranthene	15.057	252	66590m	3.776	ng	
90) Benzo(a)pyrene	15.421	252	36673	2.640	ng	# 90

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

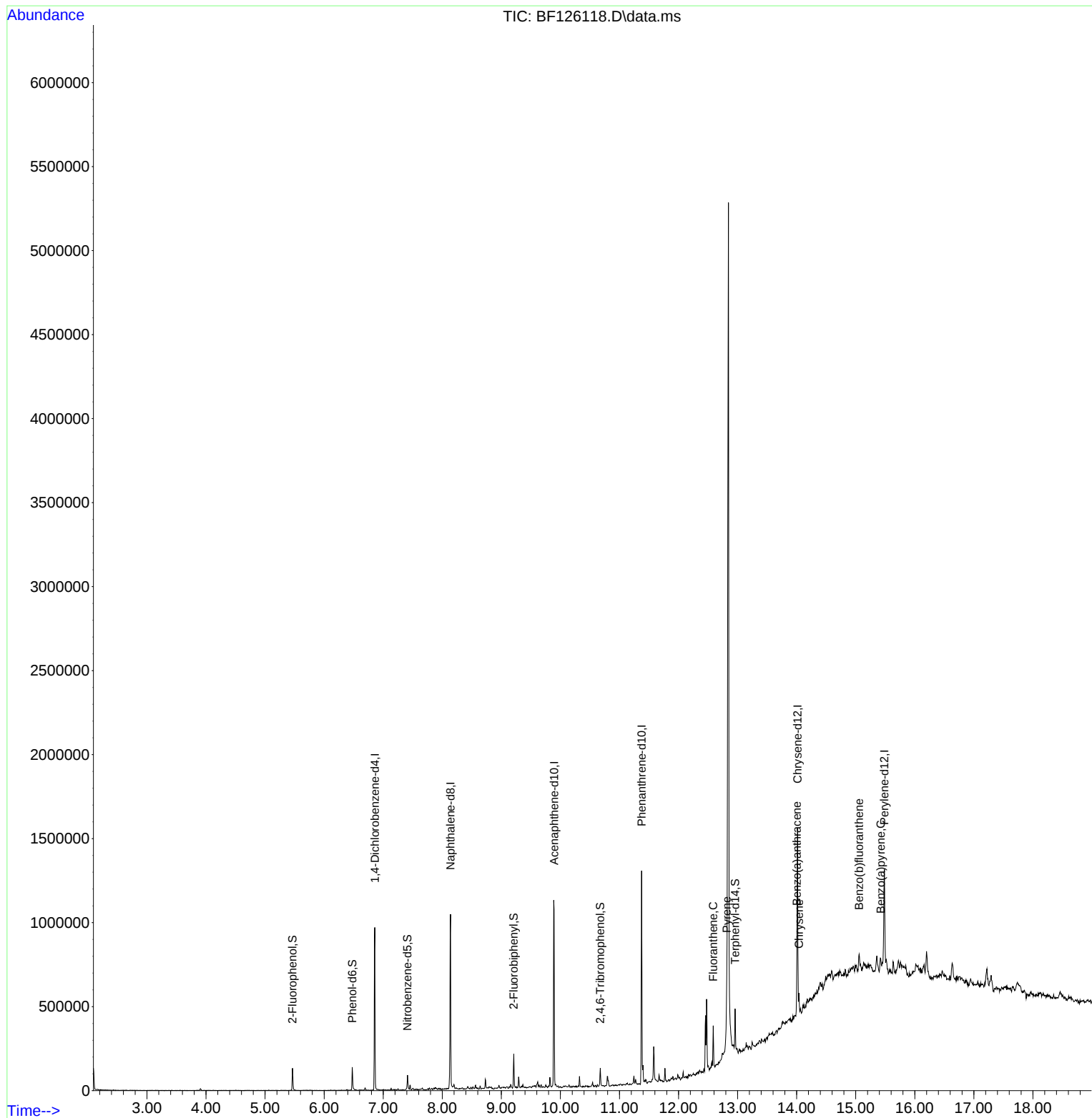
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126118.D
Acq On : 10 Nov 2021 20:58
Operator : JU/CG
Sample : M4603-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

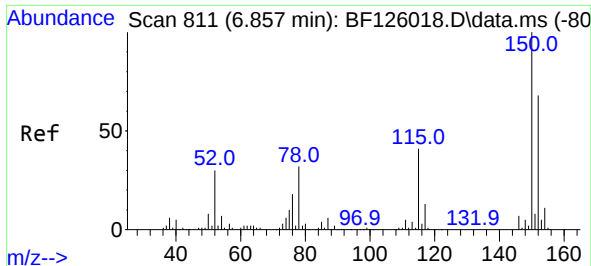
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021

Manual Integrations
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Supervised By :mohammad ahmed 11/11/2021

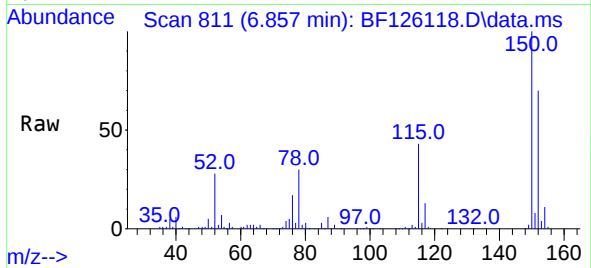
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

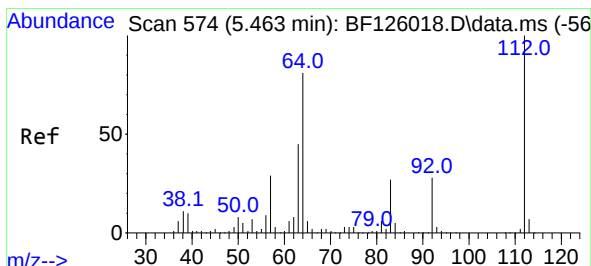
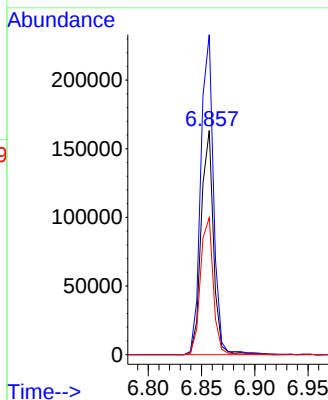
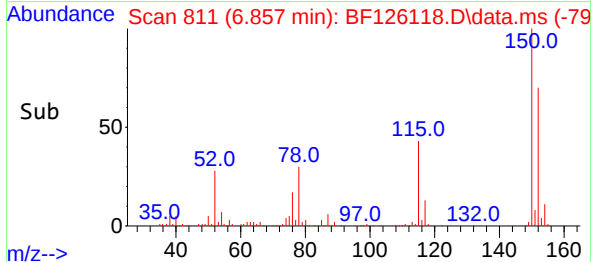
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021



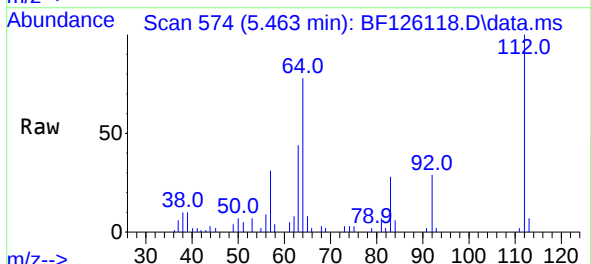
Tgt Ion:152 Resp: 131970
Ion Ratio Lower Upper
152 100
150 142.8 117.6 176.4
115 61.1 47.1 70.7

Manual Integrations
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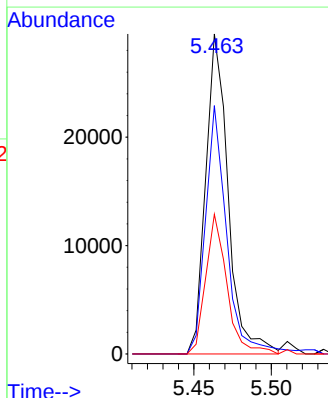
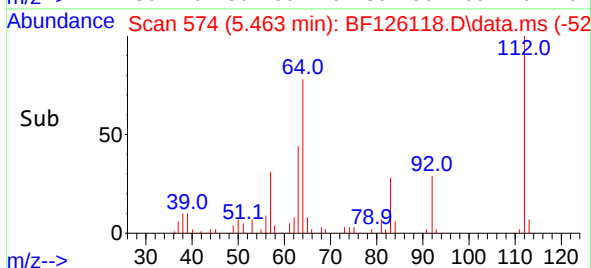
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021

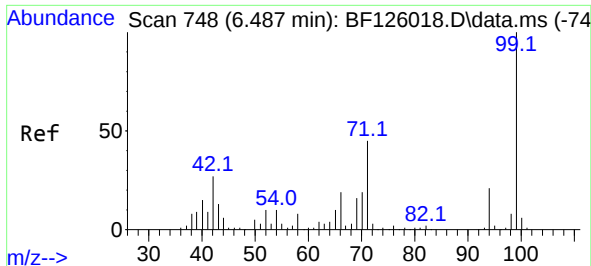


#5
2-Fluorophenol
Concen: 3.869 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58



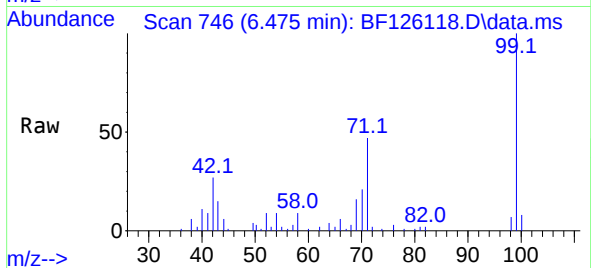
Tgt Ion:112 Resp: 29734
Ion Ratio Lower Upper
112 100
64 77.6 44.2 66.2#
63 43.6 26.2 39.2#





#7
Phenol-d6
Concen: 3.397 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

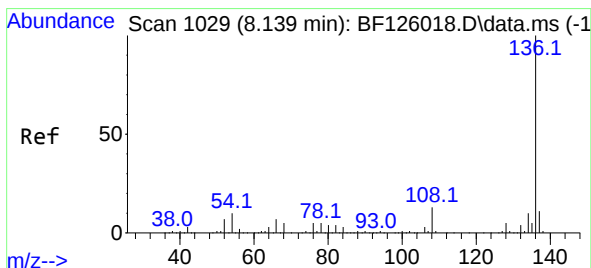
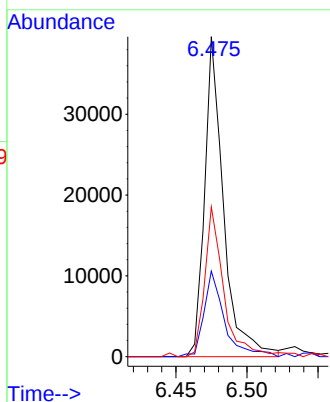
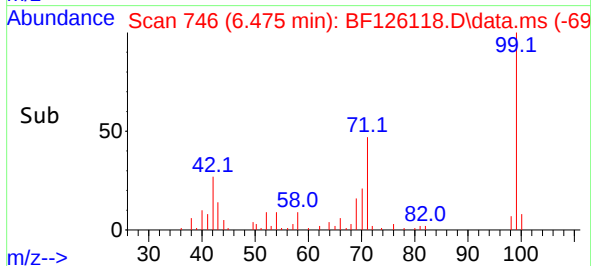
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021



Tgt Ion: 99 Resp: 3680
Ion Ratio Lower Upper
99 100
42 26.7 23.5 35.3
71 46.8 25.6 38.4

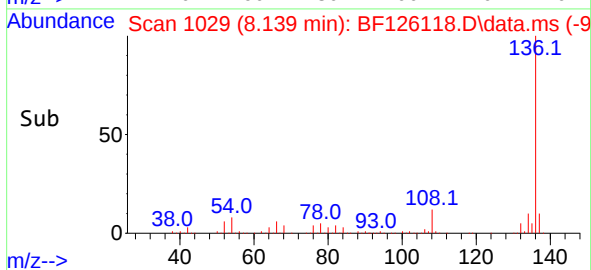
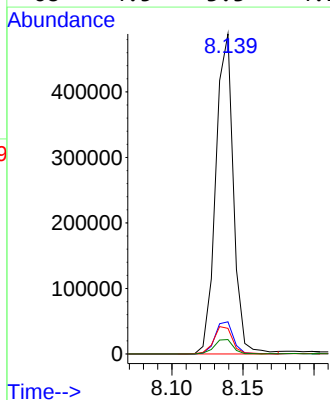
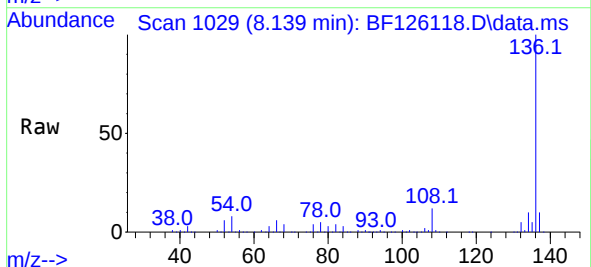
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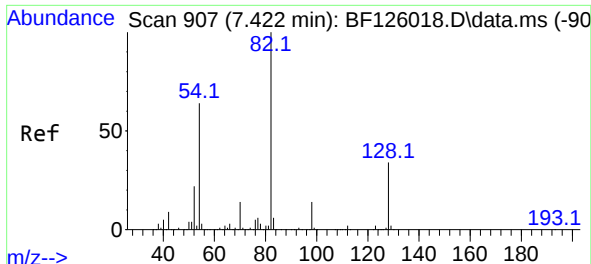
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

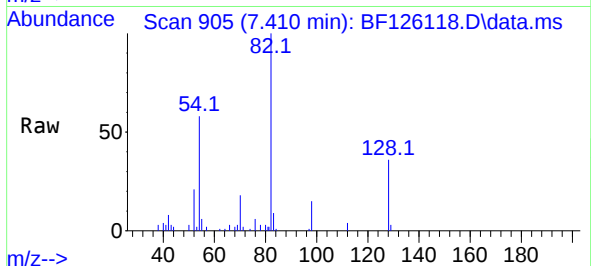
Tgt Ion:136 Resp: 422712
Ion Ratio Lower Upper
136 100
137 10.1 9.8 14.6
54 8.0 6.4 9.6
68 4.5 3.3 4.9





#23
Nitrobenzene-d5
Concen: 3.006 ng
RT: 7.410 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

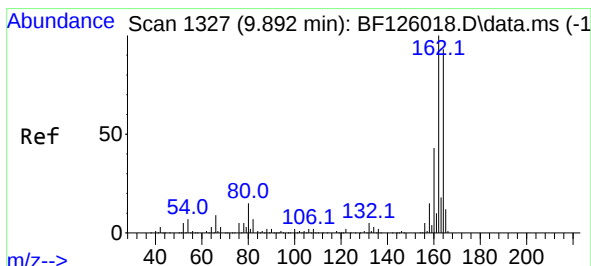
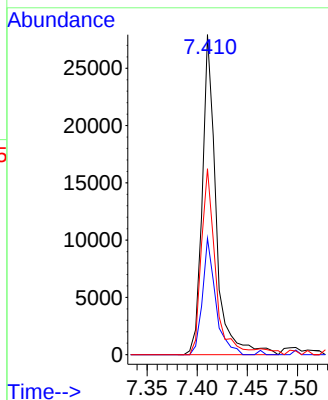
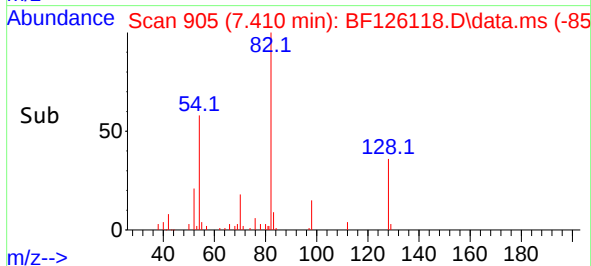
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021



Tgt Ion: 82 Resp: 2694
Ion Ratio Lower Upper
82 100
128 36.4 40.6 60.8
54 58.1 49.6 74.4

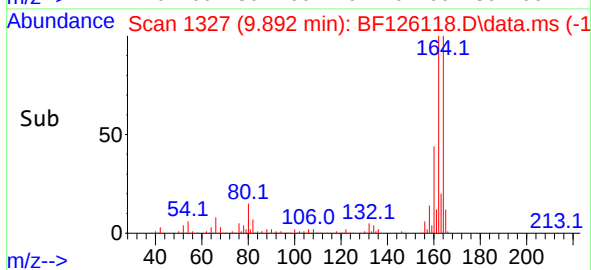
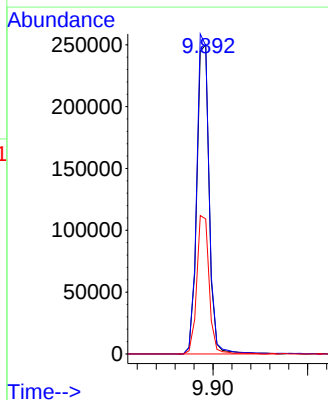
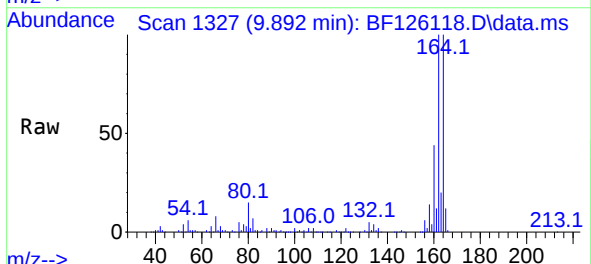
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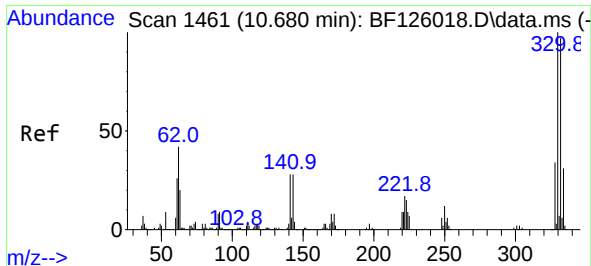
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

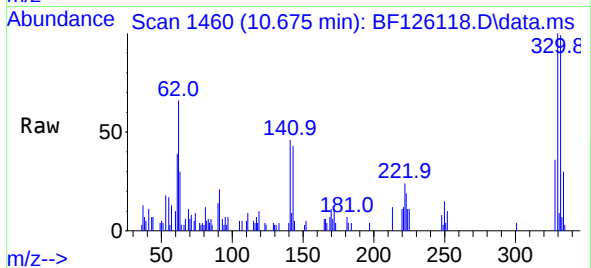
Tgt Ion:164 Resp: 227551
Ion Ratio Lower Upper
164 100
162 99.7 81.3 121.9
160 43.7 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 4.177 ng
RT: 10.675 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

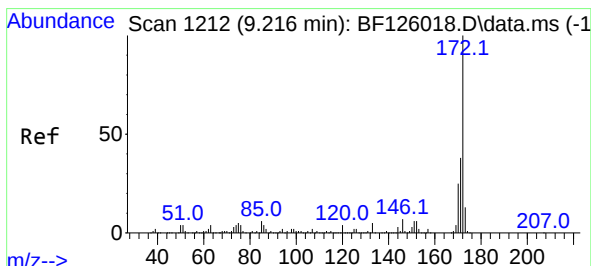
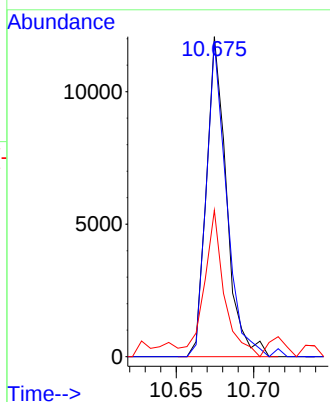
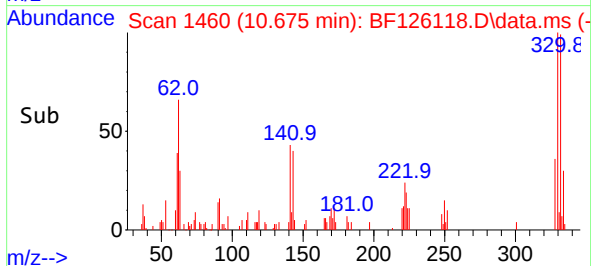
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021



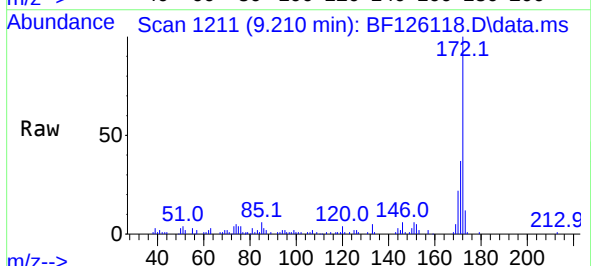
Tgt Ion: 330 Resp: 1089
Ion Ratio Lower Upper
330 100
332 99.8 76.2 114.4
141 45.2 44.6 66.8

Manual Integrations
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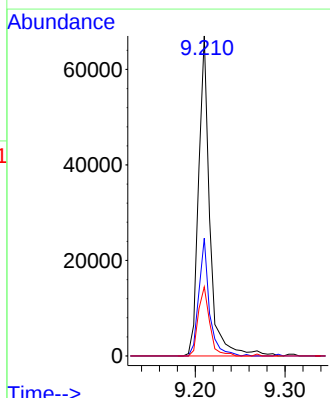
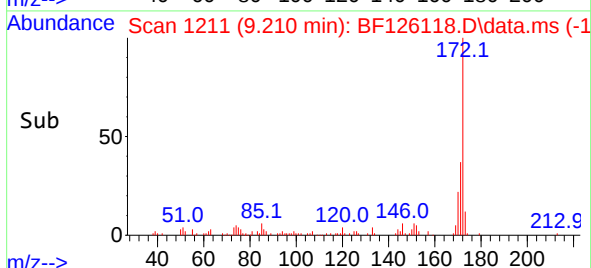
Reviewed By : Jagrut Upadhyay 11/11/2021
Supervised By : mohammad ahmed 11/11/2021

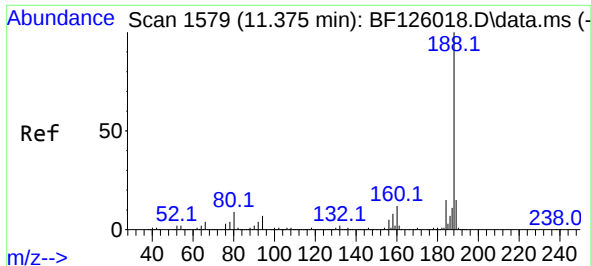


#45
2-Fluorobiphenyl
Concen: 3.448 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58



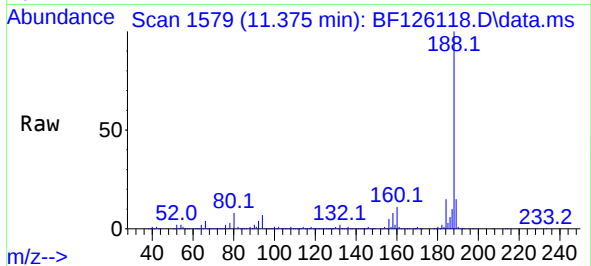
Tgt Ion: 172 Resp: 58066
Ion Ratio Lower Upper
172 100
171 36.8 26.5 39.7
170 21.6 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

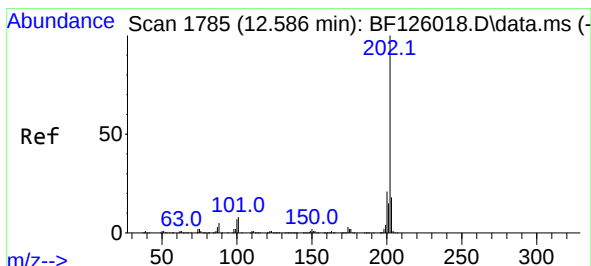
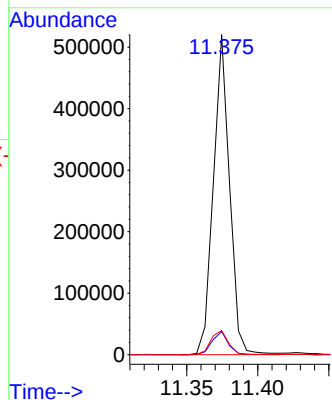
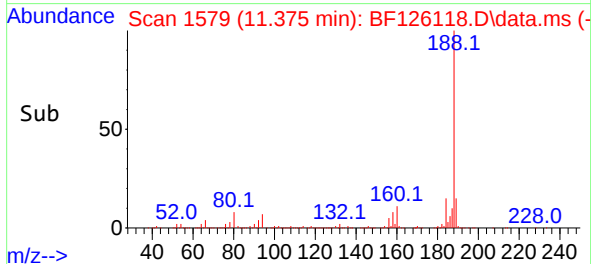
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021



Tgt Ion:188 Resp: 412752
Ion Ratio Lower Upper
188 100
94 7.2 6.7 10.1
80 7.6 7.5 11.3

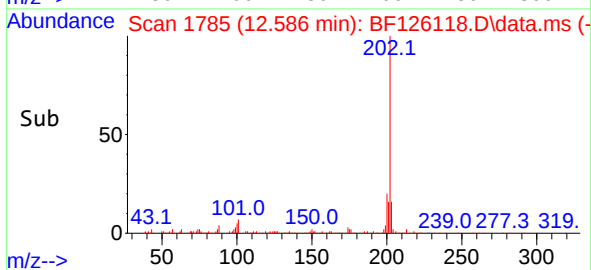
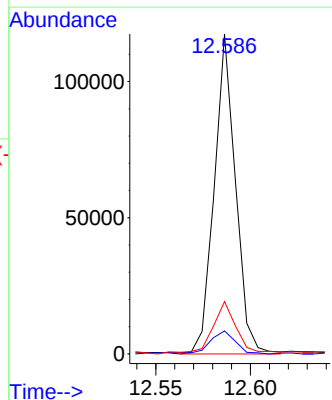
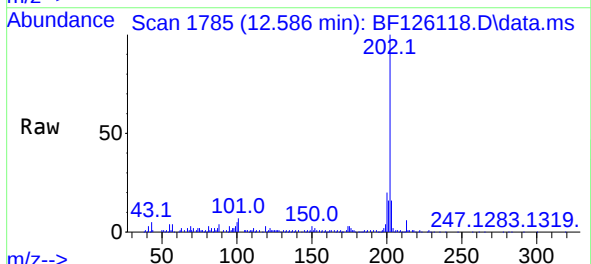
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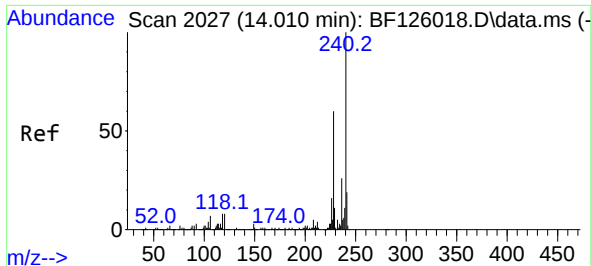
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#75
Fluoranthene
Concen: 3.692 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

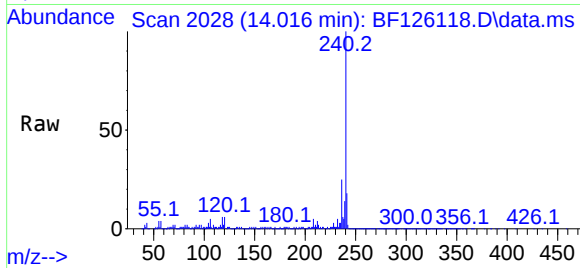
Tgt Ion:202 Resp: 92022
Ion Ratio Lower Upper
202 100
101 7.2 0.0 30.7
203 16.3 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

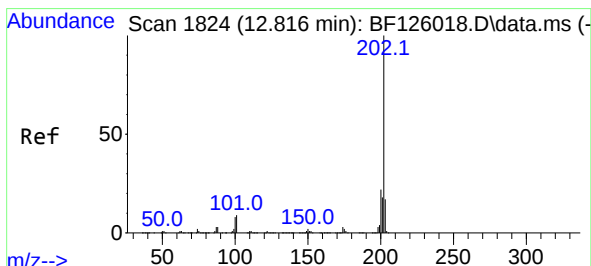
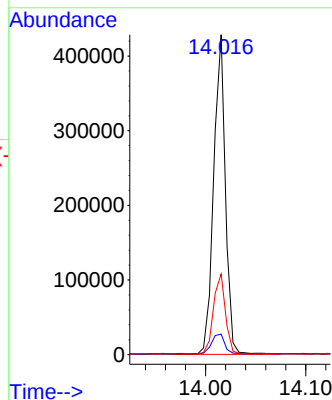
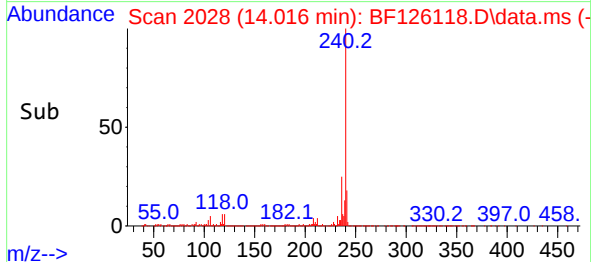
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021



Tgt Ion:240 Resp: 34917
Ion Ratio Lower Upper
240 100
120 6.4 10.8 16.2
236 25.3 21.6 32.4

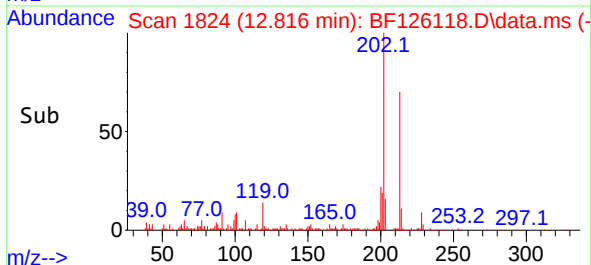
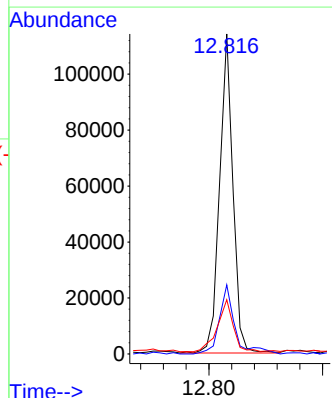
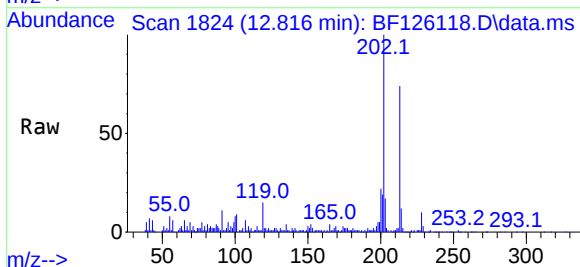
Manual Integrations
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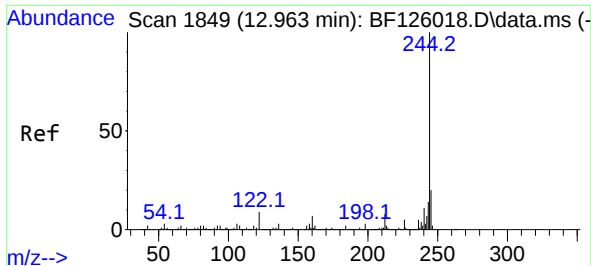
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#78
Pyrene
Concen: 3.334 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

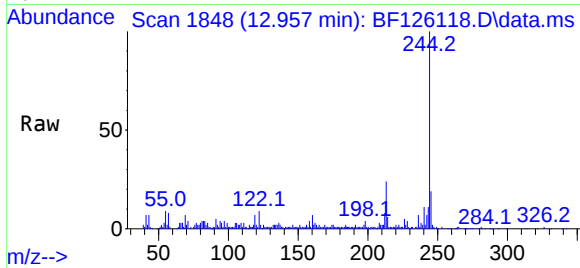
Tgt Ion:202 Resp: 93348
Ion Ratio Lower Upper
202 100
200 21.6 15.3 22.9
203 17.0 13.4 20.0





#79
 Terphenyl-d14
 Concen: 3.291 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126118.D
 Acq: 10 Nov 2021 20:58

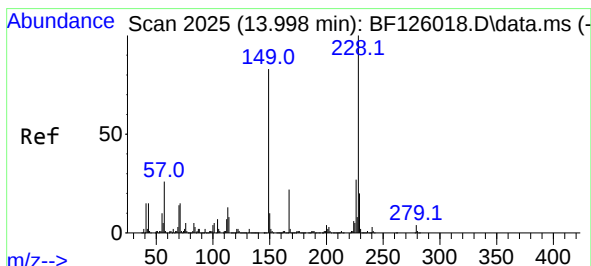
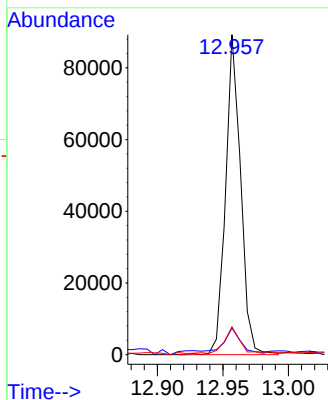
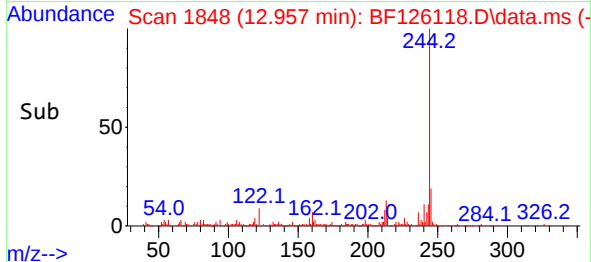
Instrument : BNA_F
 ClientSampleId : ISCO-SOIL-IDW-11082021



Tgt Ion:244 Resp: 7125
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.9 8.9
 122 8.7 9.0 13.4

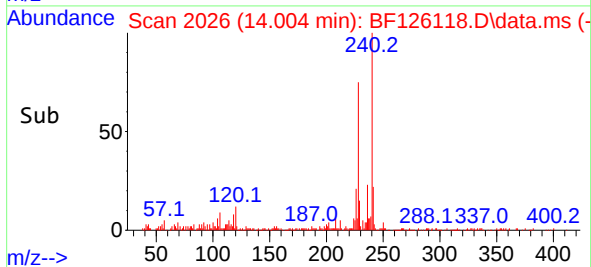
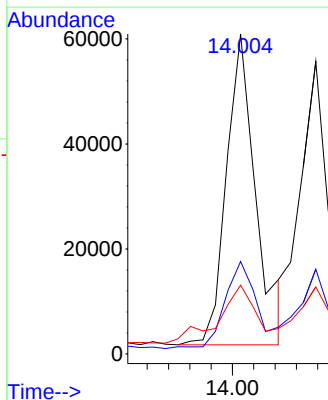
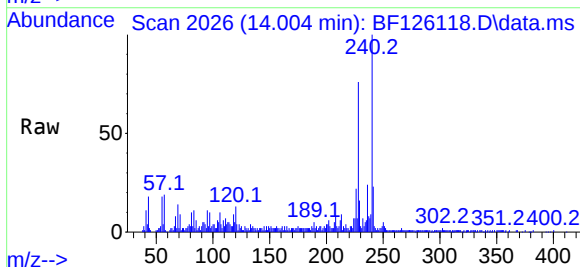
Manual Integrations
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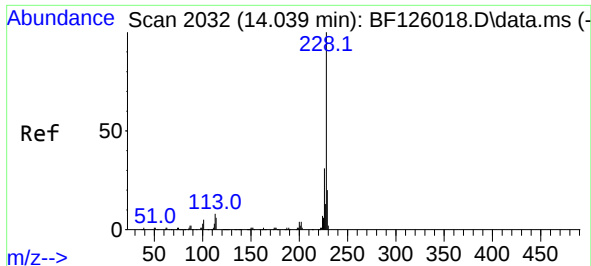
Reviewed By :Jagrut Upadhyay 11/11/2021
 Supervised By :mohammad ahmed 11/11/2021



#81
 Benzo(a)anthracene
 Concen: 2.374 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.006 min
 Lab File: BF126118.D
 Acq: 10 Nov 2021 20:58

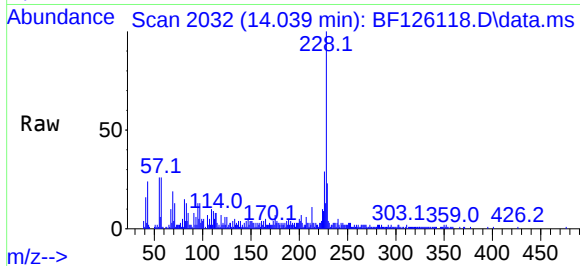
Tgt Ion:228 Resp: 56939
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.6 32.4
 229 21.5 15.6 23.4





#83
Chrysene
Concen: 2.101 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

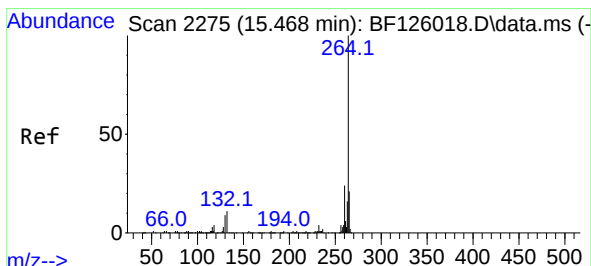
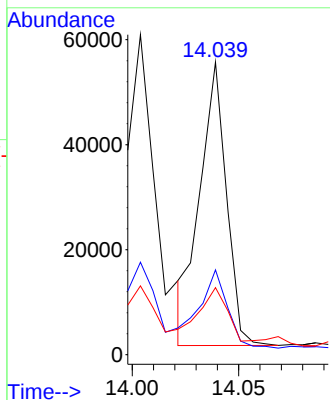
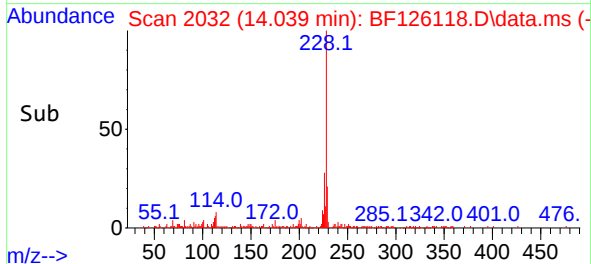
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021



Tgt Ion:228 Resp: 46897
Ion Ratio Lower Upper
228 100
226 29.0 22.6 34.0
229 22.9 15.9 23.9

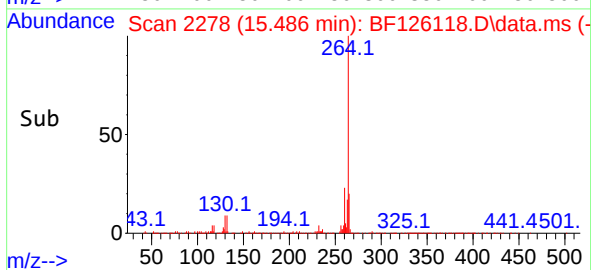
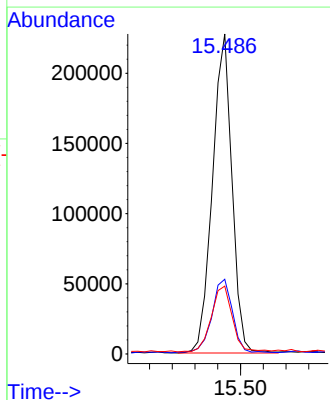
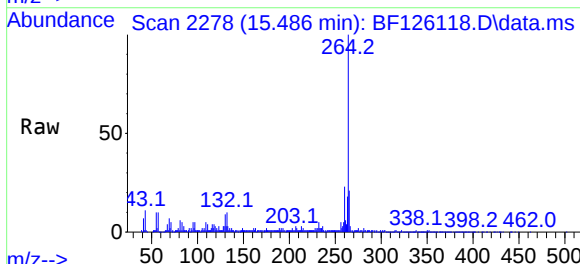
Manual Integrations
APPROVED

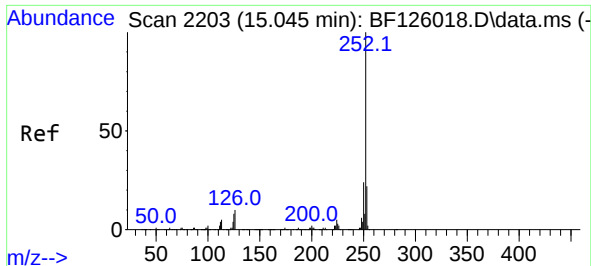
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.018 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

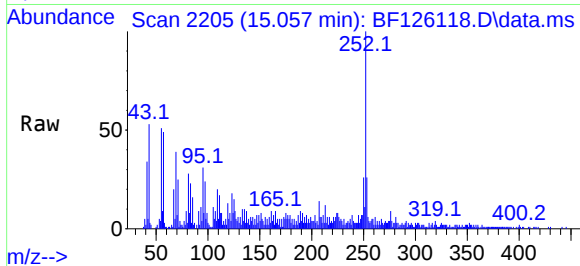
Tgt Ion:264 Resp: 271107
Ion Ratio Lower Upper
264 100
260 23.3 19.6 29.4
265 21.2 17.2 25.8





#88
Benzo(b)fluoranthene
Concen: 3.776 ng m
RT: 15.057 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

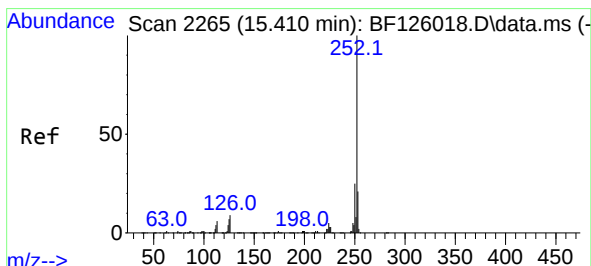
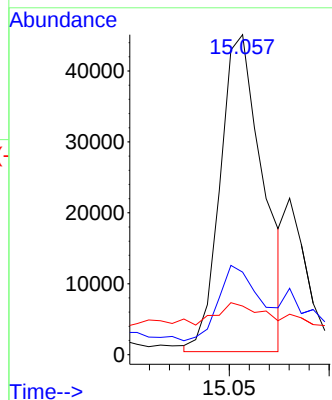
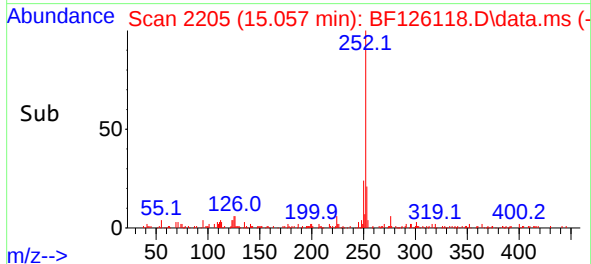
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021



Tgt Ion:252 Resp: 66590
Ion Ratio Lower Upper
252 100
253 25.8 16.8 25.2
125 15.2 9.8 14.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#90
Benzo(a)pyrene
Concen: 2.640 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.011 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

Tgt Ion:252 Resp: 36673
Ion Ratio Lower Upper
252 100
253 27.3 18.4 27.6
125 17.7 9.9 14.9

