

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

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)

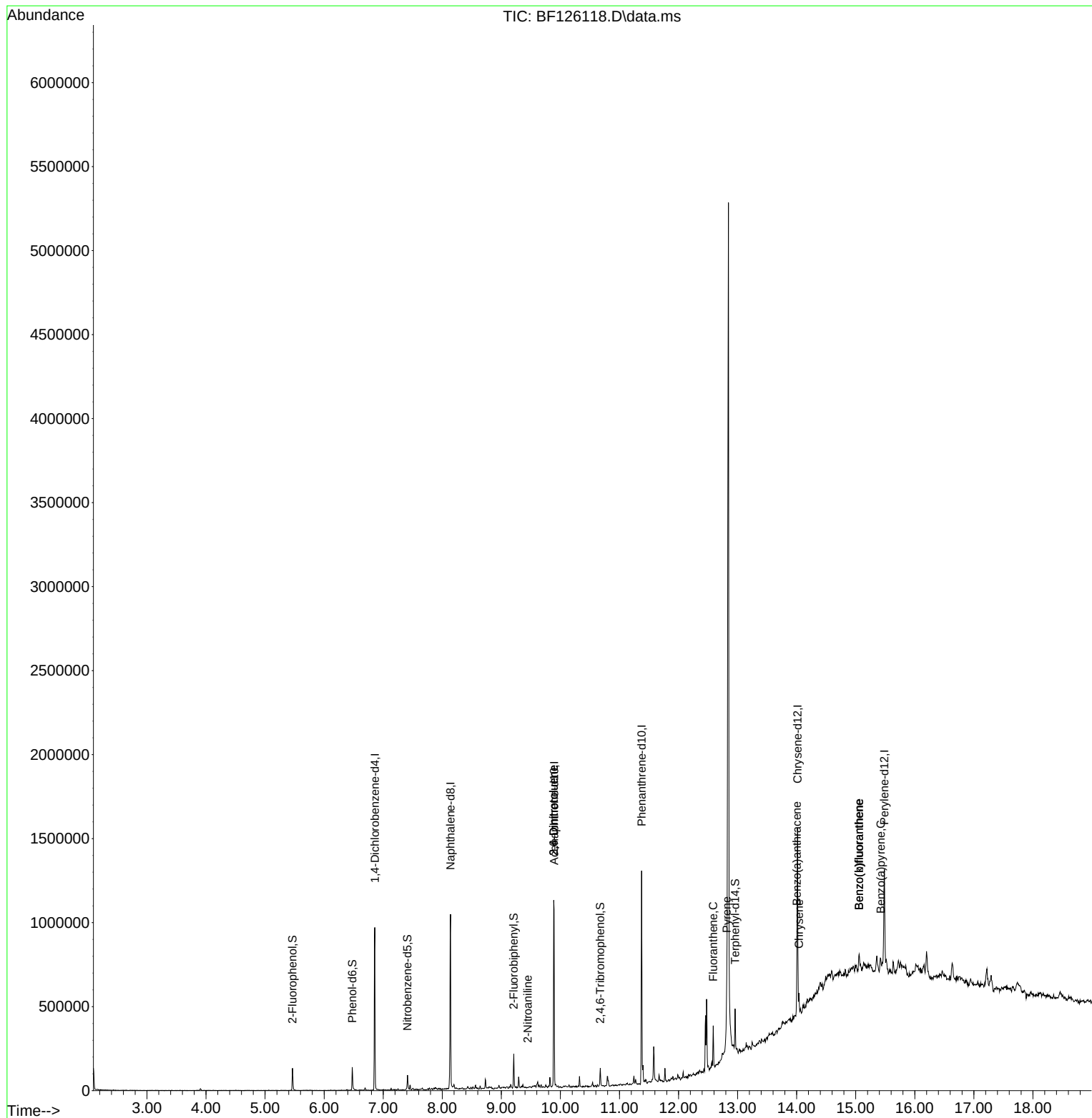
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	131970	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	422712	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	227551	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	412752	20.000	ng	0.00
76) Chrysene-d12	14.016	240	349173	20.000	ng	# 0.00
86) Perylene-d12	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
9) Benzaldehyde	6.381	77	131	Below Cal	#	1
48) 2-Nitroaniline	9.445	65	112	2.873	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	29767	10.483	ng	# 29
57) 2,4-Dinitrotoluene	9.886	165	29767	9.962	ng	# 20
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	80866	4.586	ng	# 91
89) Benzo(k)fluoranthene	15.057	252	80866	4.727	ng	# 90
90) Benzo(a)pyrene	15.421	252	36673	2.640	ng	# 90

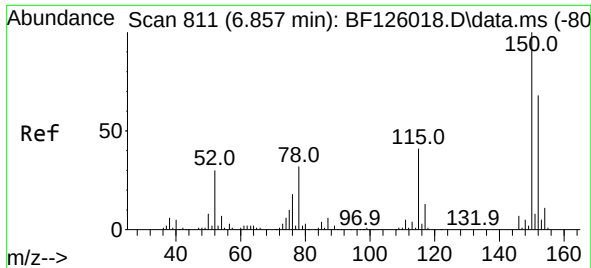
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

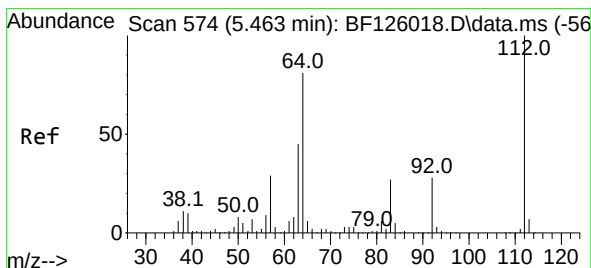
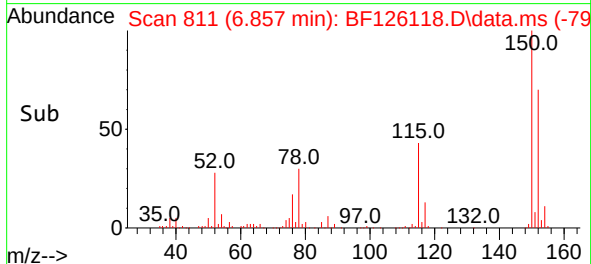
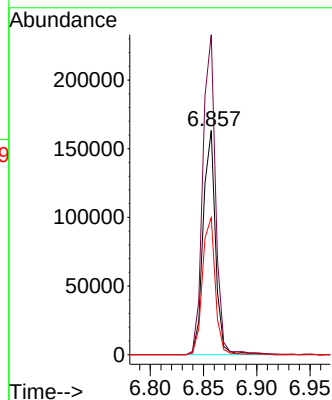
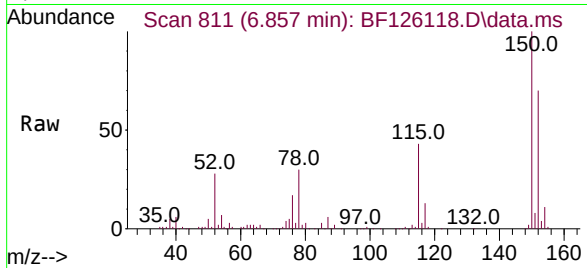




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

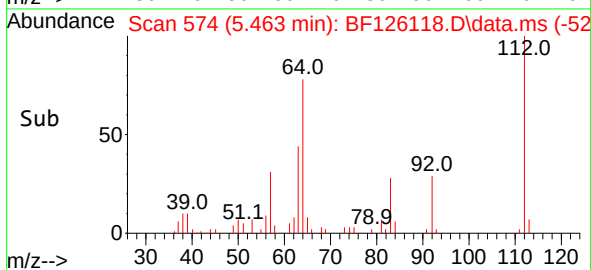
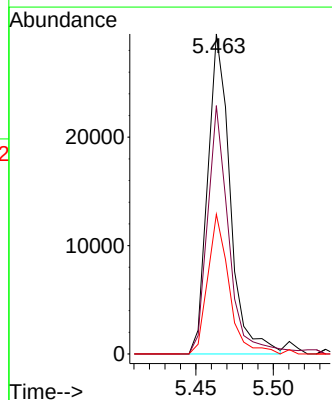
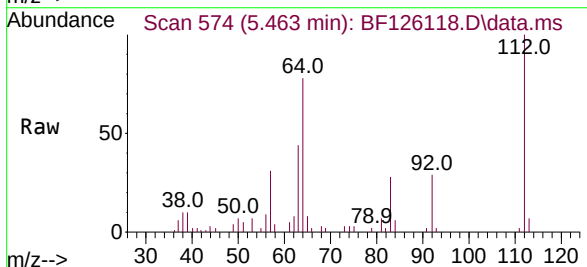
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021

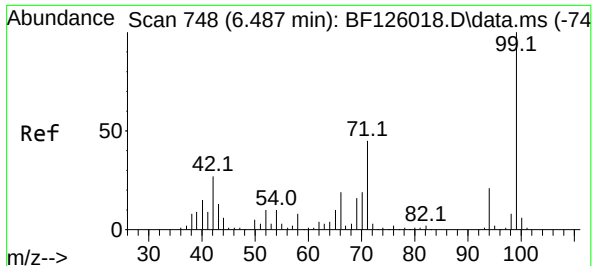
Tgt Ion:152 Resp: 131970
Ion Ratio Lower Upper
152 100
150 142.8 117.6 176.4
115 61.1 47.1 70.7



#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#

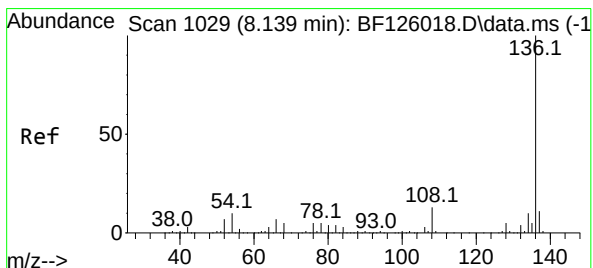
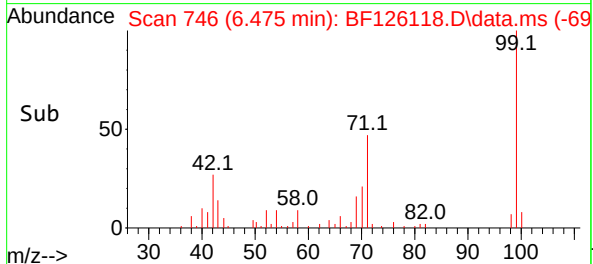
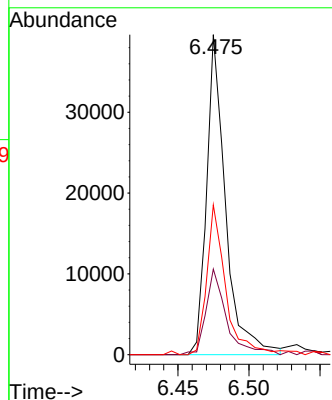
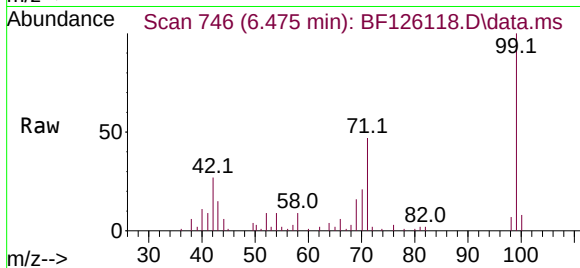




#7
Phenol-d6
Concen: 3.397 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

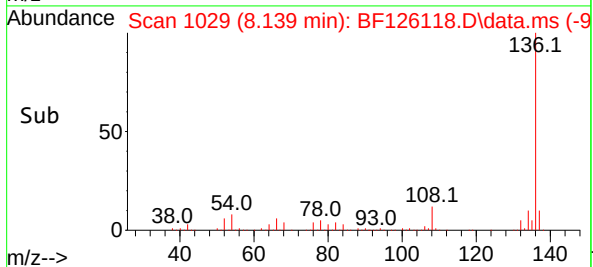
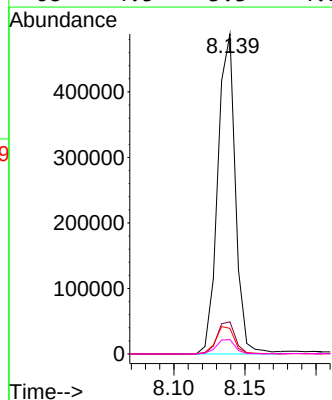
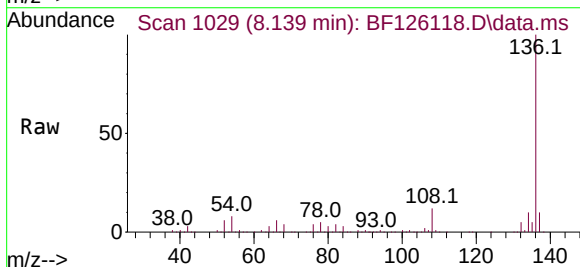
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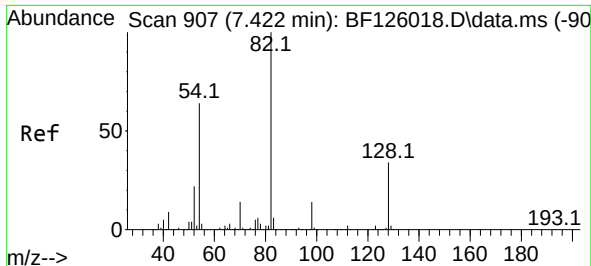
Tgt Ion: 99 Resp: 36801
Ion Ratio Lower Upper
99 100
42 26.7 23.5 35.3
71 46.8 25.6 38.4#



#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

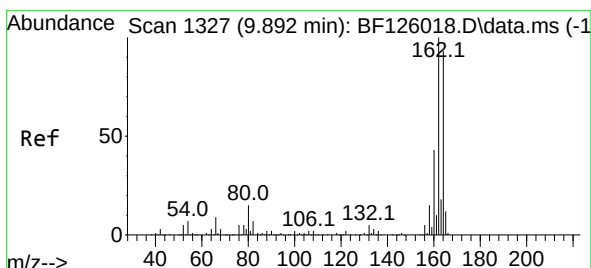
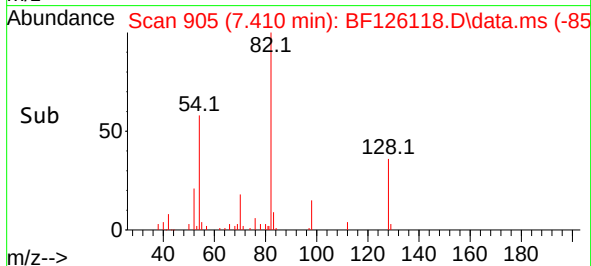
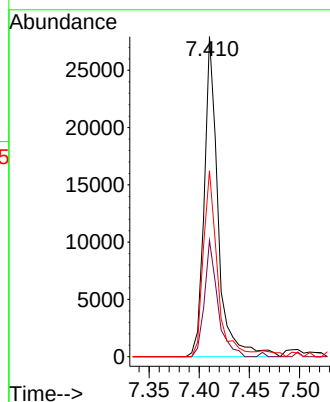
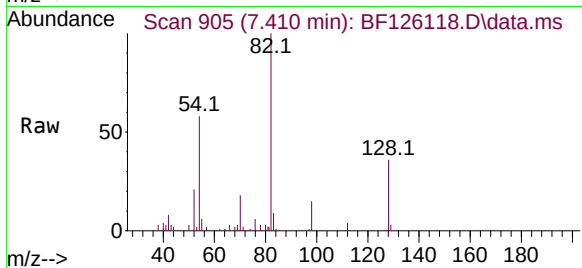
Tgt Ion: 82 Resp: 26942

Ion Ratio Lower Upper

82 100

128 36.4 40.6 60.8#

54 58.1 49.6 74.4



#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

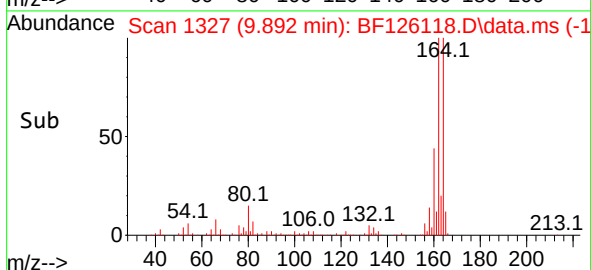
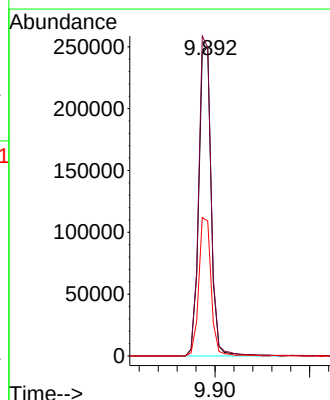
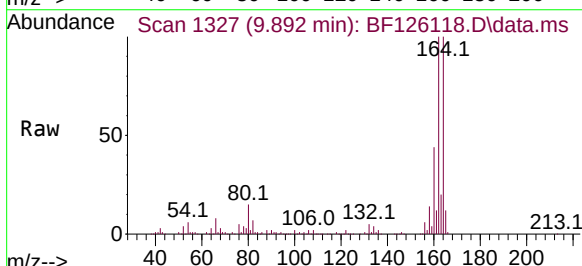
Tgt Ion: 164 Resp: 227551

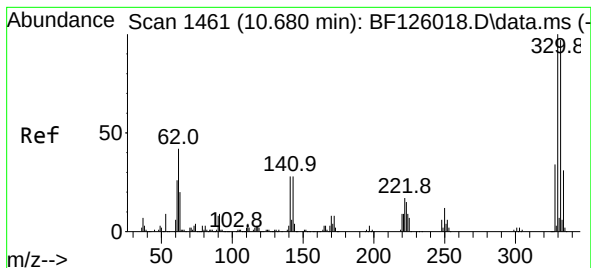
Ion Ratio Lower Upper

164 100

162 99.7 81.3 121.9

160 43.7 38.0 57.0

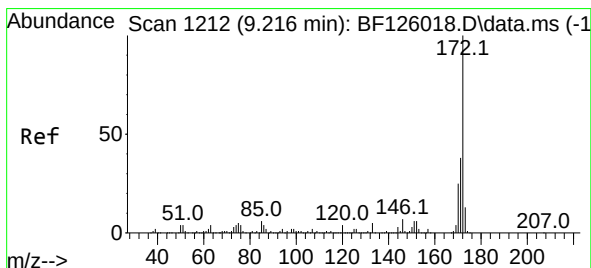
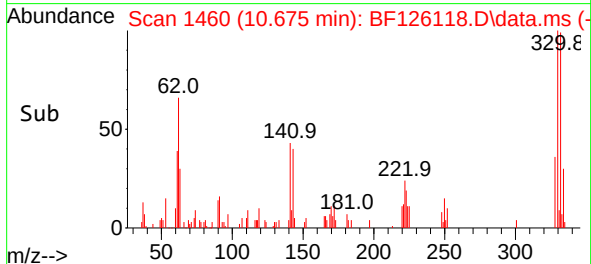
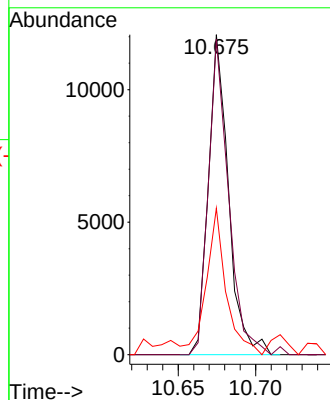
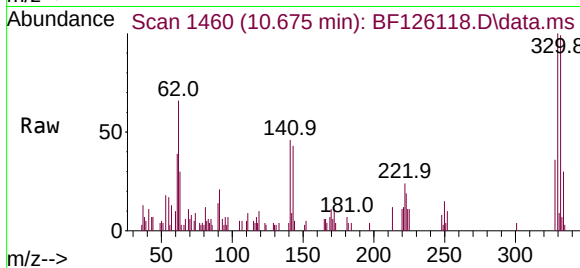




#42
2,4,6-Tribromophenol
Concen: 4.177 ng
RT: 10.675 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

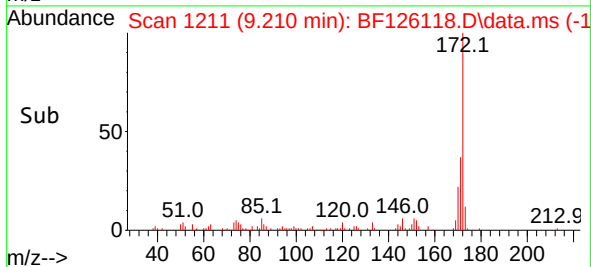
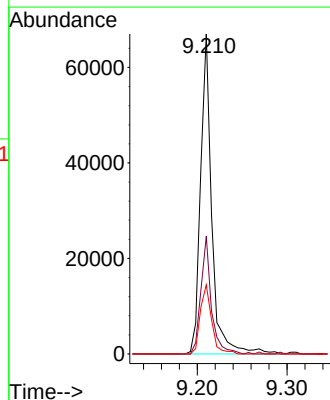
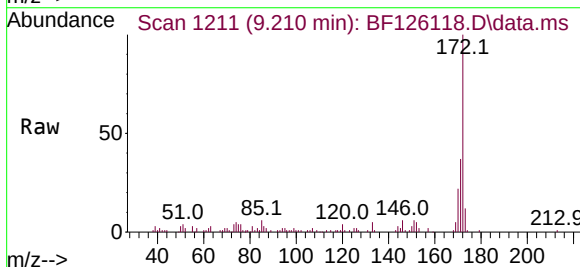
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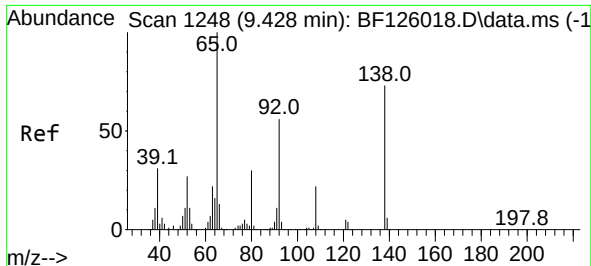
Tgt Ion:330 Resp: 10893
Ion Ratio Lower Upper
330 100
332 99.8 76.2 114.4
141 45.2 44.6 66.8



#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

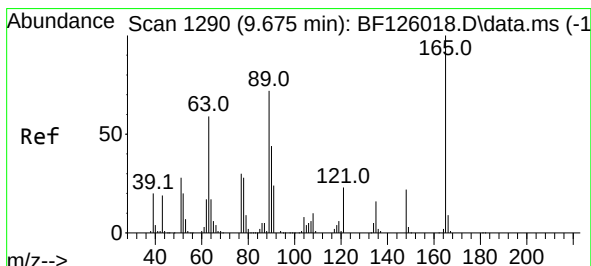
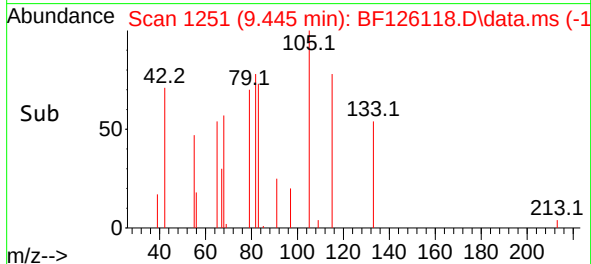
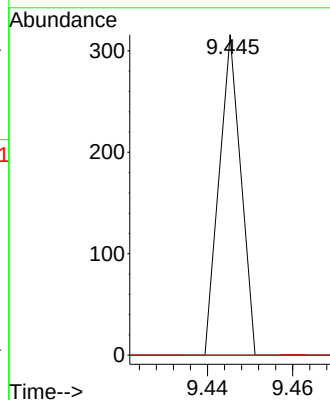
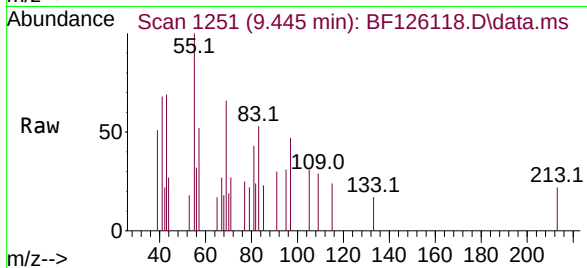




#48
2-Nitroaniline
Concen: 2.873 ng
RT: 9.445 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

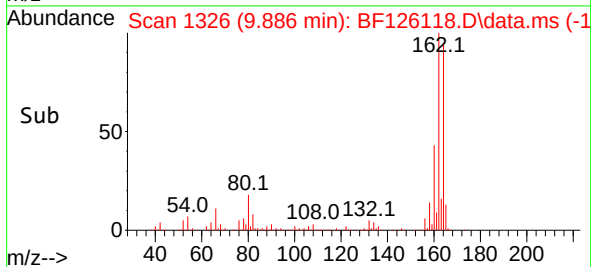
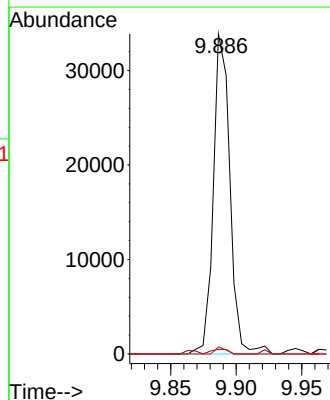
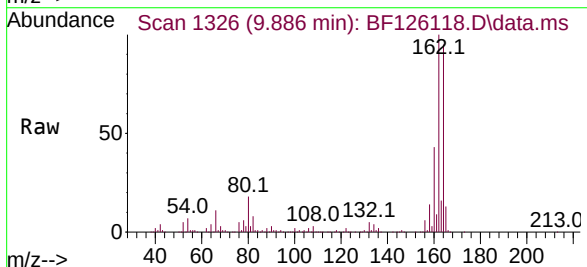
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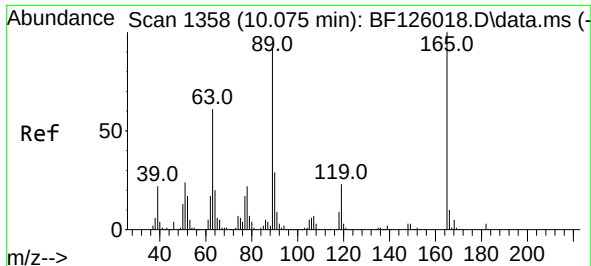
Tgt Ion: 65 Resp: 112
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 10.483 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.211 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

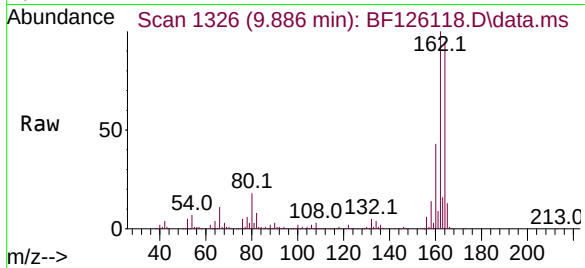
Tgt Ion: 165 Resp: 29767
Ion Ratio Lower Upper
165 100
63 1.5 42.6 63.8#
89 2.2 40.6 60.8#



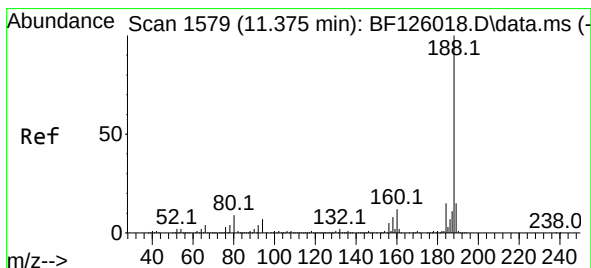
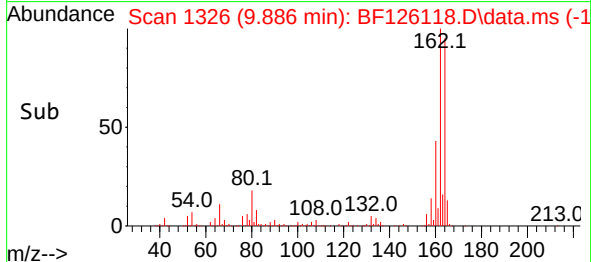
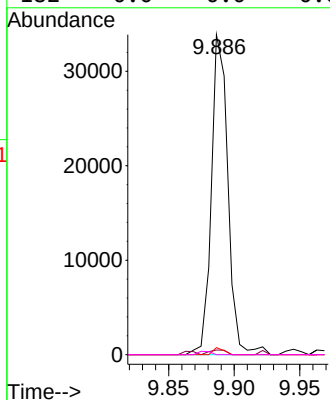


#57
2,4-Dinitrotoluene
Concen: 9.962 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

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

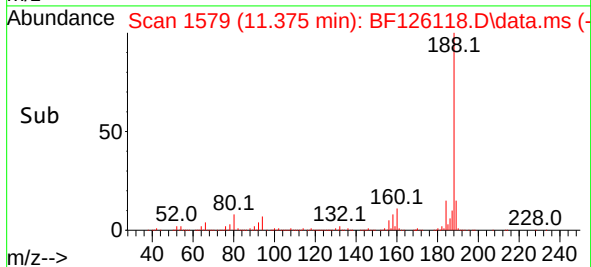
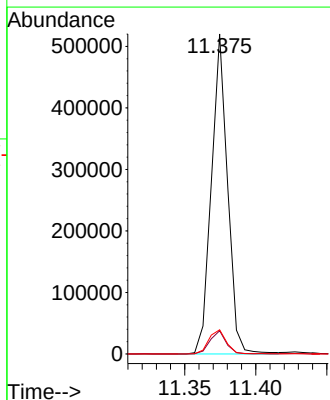
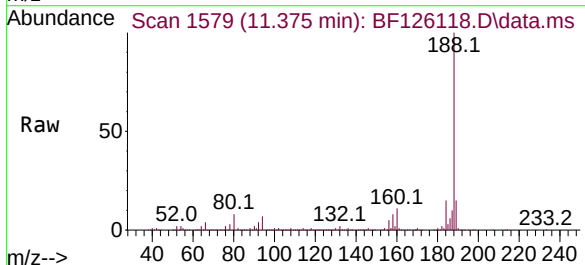


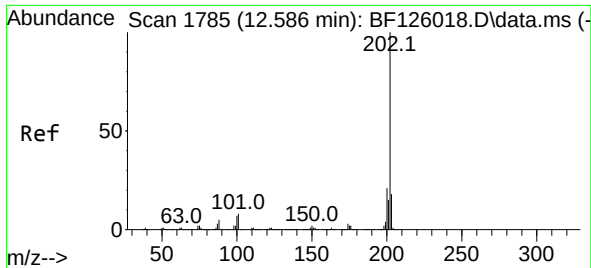
Tgt Ion:165 Resp: 29767
Ion Ratio Lower Upper
165 100
63 1.5 40.9 61.3#
89 2.2 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

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

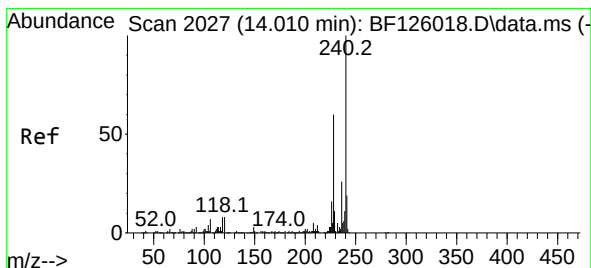
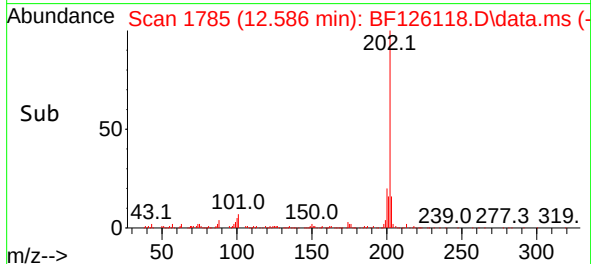
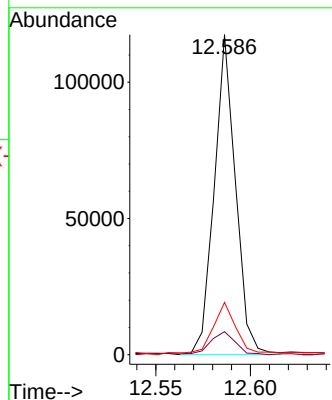
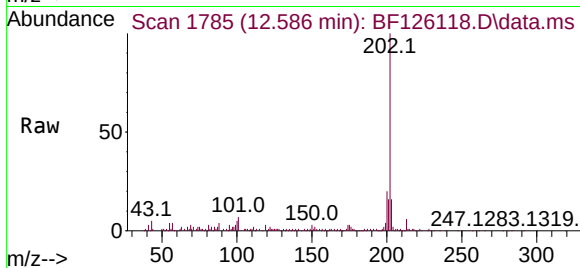




#75
Fluoranthene
Concen: 3.692 ng
RT: 12.586 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

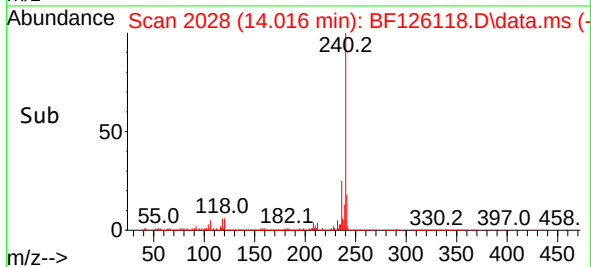
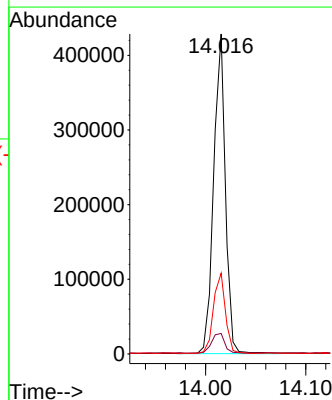
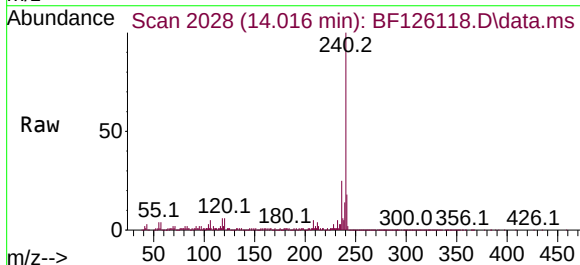
Instrument :
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ISCO-SOIL-IDW-11082021

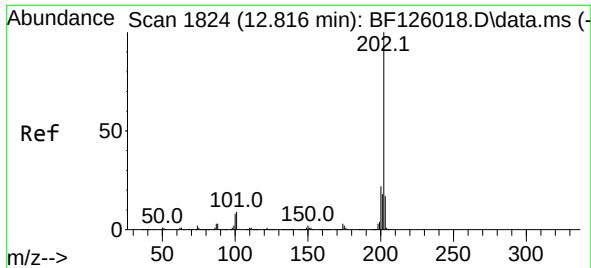
Tgt Ion:	202	Resp:	92022
Ion Ratio	Lower	Upper	
202	100		
101	7.2	0.0	30.7
203	16.3	0.0	36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

Tgt Ion:	240	Resp:	349173
Ion Ratio	Lower	Upper	
240	100		
120	6.4	10.8	16.2#
236	25.3	21.6	32.4

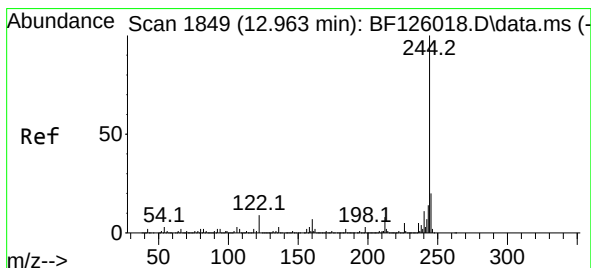
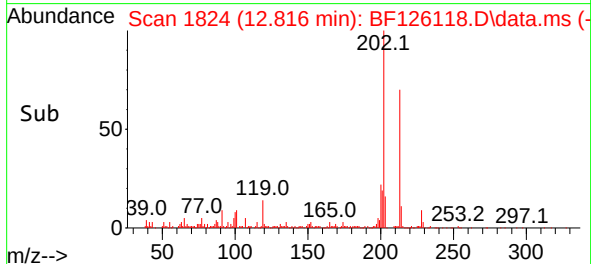
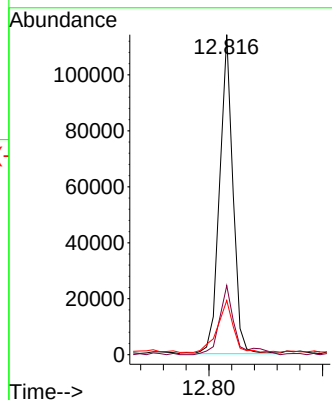
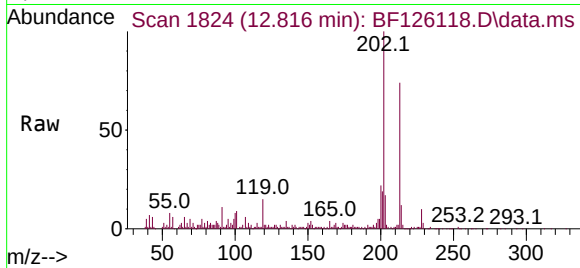




#78
 Pyrene
 Concen: 3.334 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: BF126118.D
 Acq: 10 Nov 2021 20:58

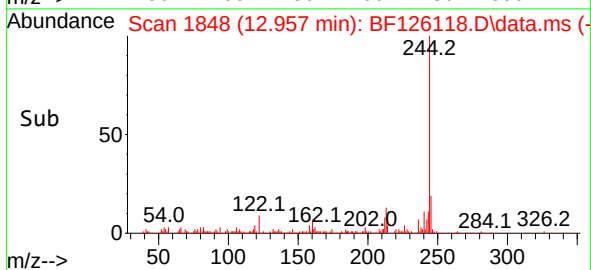
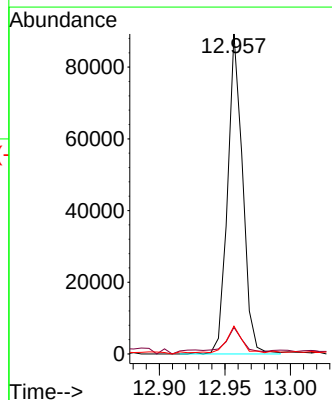
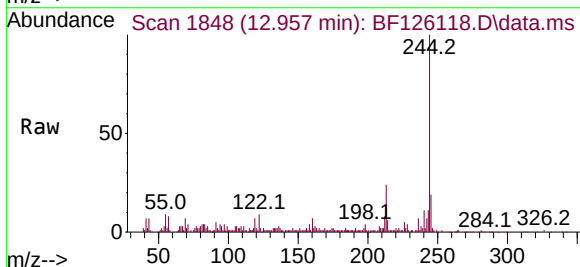
Instrument :
 BNA_F
 ClientSampleId :
 ISCO-SOIL-IDW-11082021

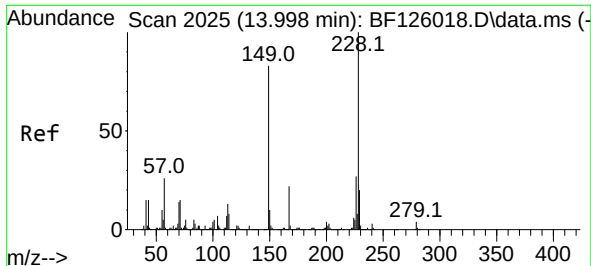
Tgt Ion:	202	Resp:	93348
Ion	Ratio	Lower	Upper
202	100		
200	21.6	15.3	22.9
203	17.0	13.4	20.0



#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

Tgt Ion:	244	Resp:	71257
Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.9	8.9
122	8.7	9.0	13.4#

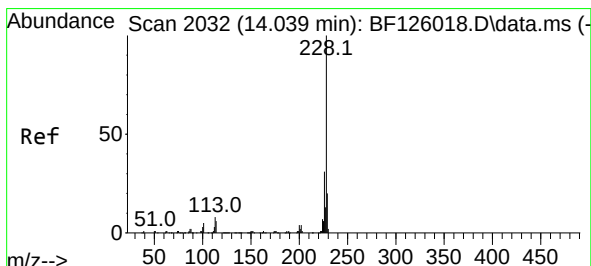
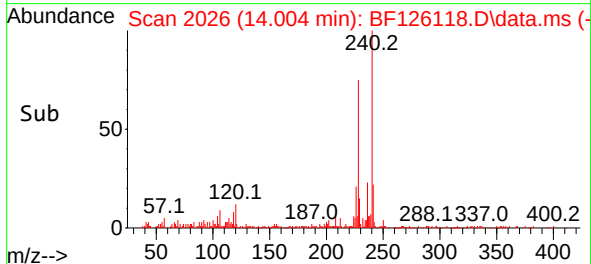
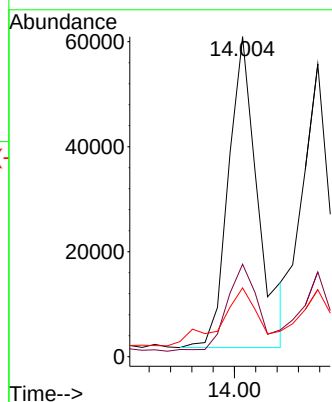
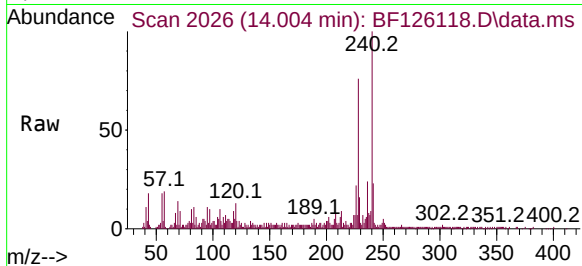




#81
Benzo(a)anthracene
Concen: 2.374 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126118.D
Acq: 10 Nov 2021 20:58

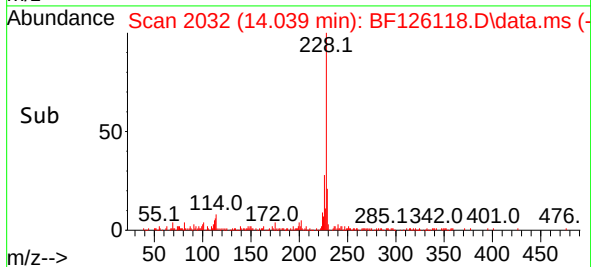
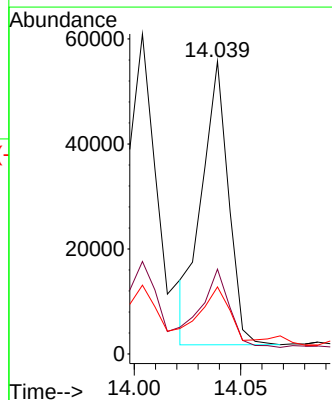
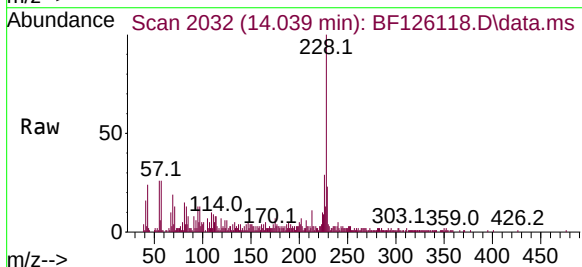
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021

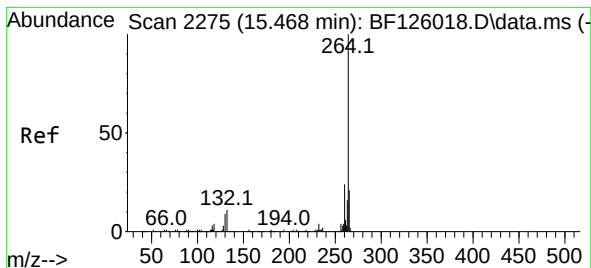
Tgt Ion:228 Resp: 56939
Ion Ratio Lower Upper
228 100
226 28.9 21.6 32.4
229 21.5 15.6 23.4



#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

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





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF126118.D

Acq: 10 Nov 2021 20:58

Instrument :

BNA_F

ClientSampleId :

ISCO-SOIL-IDW-11082021

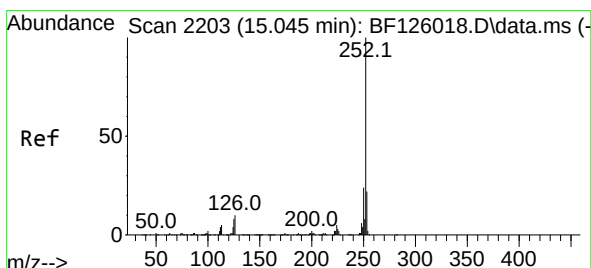
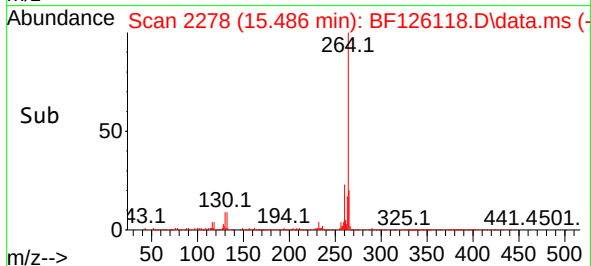
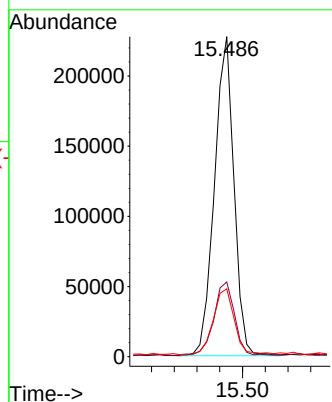
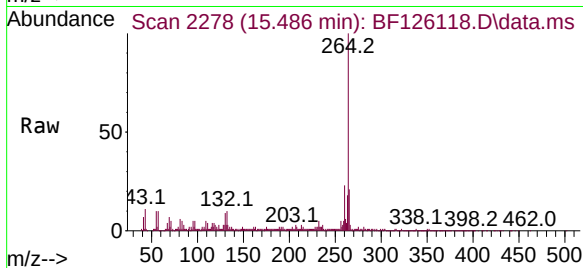
Tgt Ion:264 Resp: 271107

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: 4.586 ng

RT: 15.057 min Scan# 2205

Delta R.T. 0.012 min

Lab File: BF126118.D

Acq: 10 Nov 2021 20:58

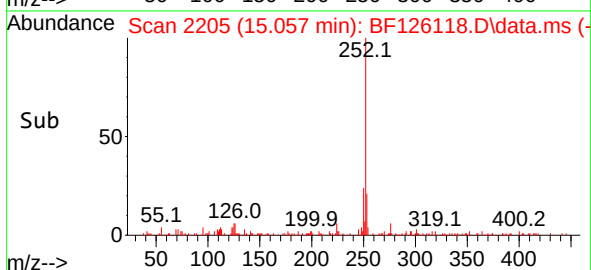
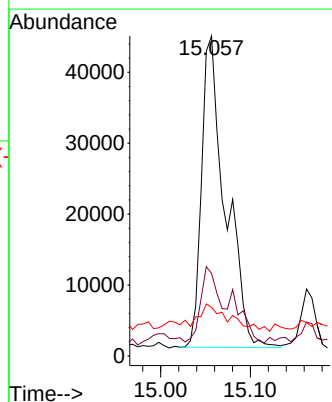
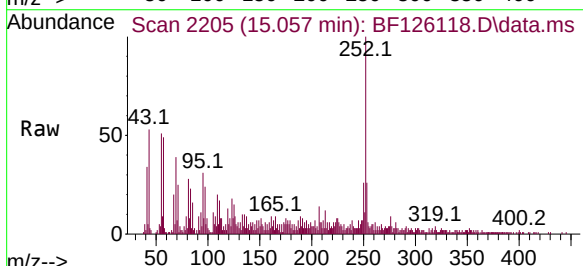
Tgt Ion:252 Resp: 80866

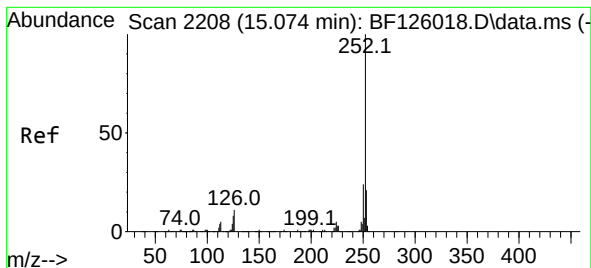
Ion Ratio Lower Upper

252 100

253 25.8 16.8 25.2#

125 15.2 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 4.727 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.018 min

Lab File: BF126118.D

Acq: 10 Nov 2021 20:58

Instrument :

BNA_F

ClientSampleId :

ISCO-SOIL-IDW-11082021

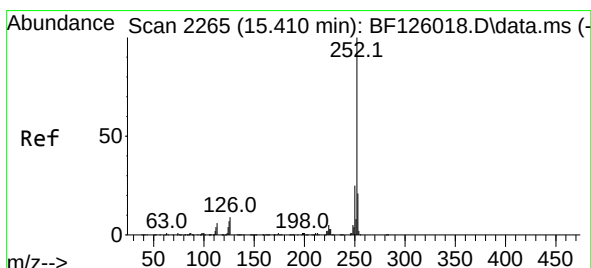
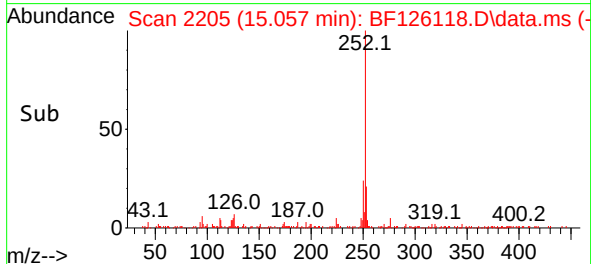
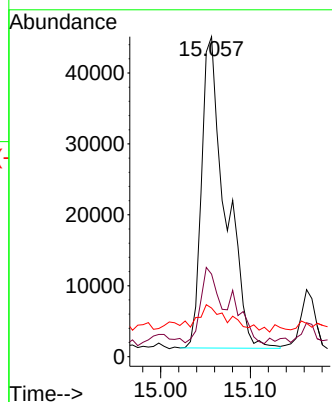
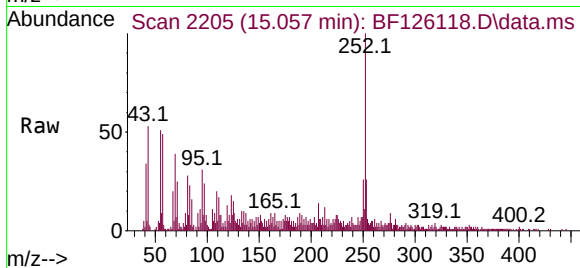
Tgt Ion:252 Resp: 80866

Ion Ratio Lower Upper

252 100

253 25.8 17.8 26.8

125 15.2 7.2 10.8#



#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#

