

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
 Data File : BF126724.D
 Acq On : 28 Jan 2022 18:52
 Operator : CG/JU
 Sample : N1298-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPAT-SOIL-CUT

Quant Time: Jan 29 02:28:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 27 03:09:40 2022
 Response via : Initial Calibration

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

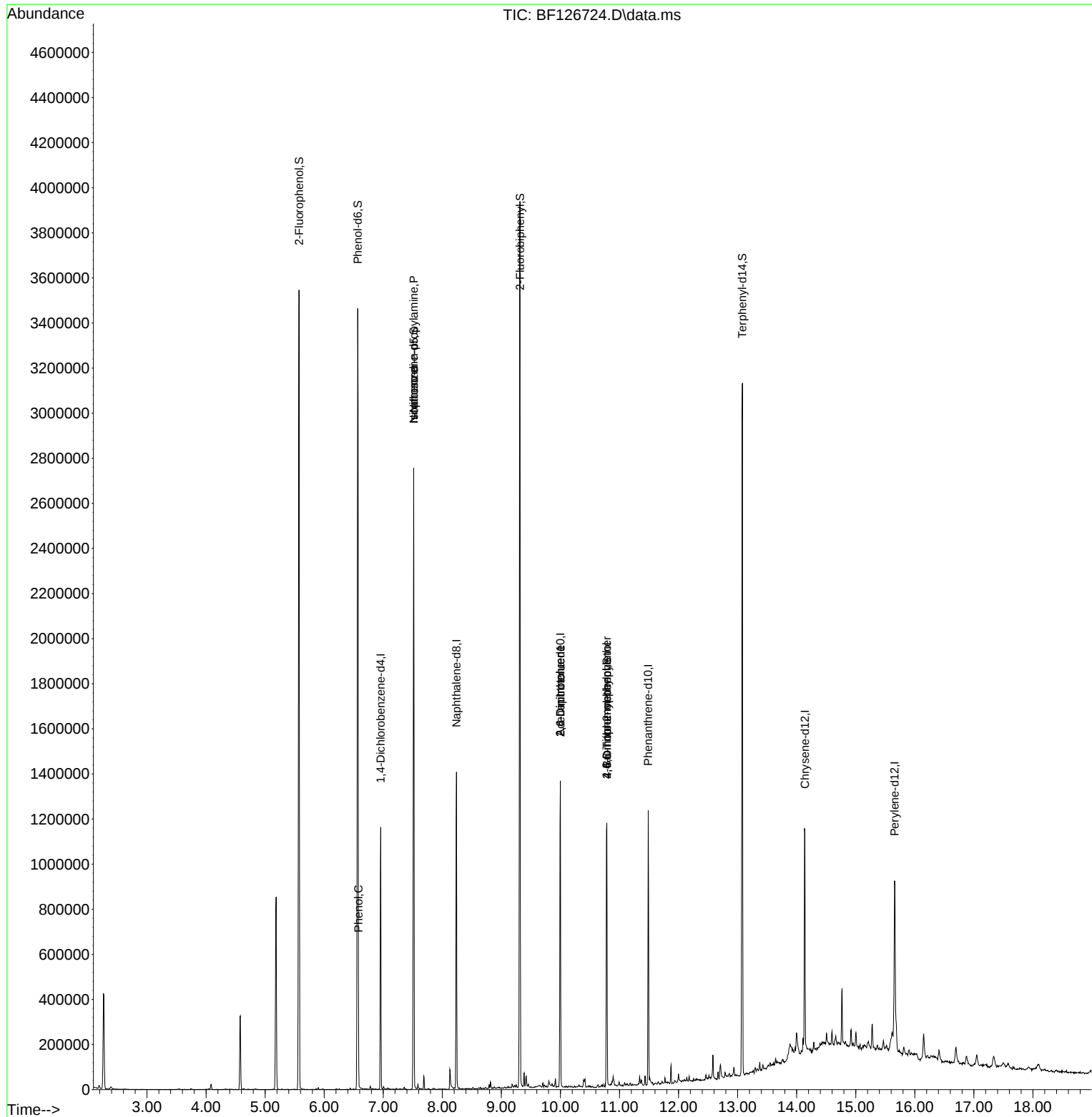
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	149788	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	544746	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	259187	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	371239	20.000	ng	# 0.00
76) Chrysene-d12	14.139	240	337279	20.000	ng	# 0.00
86) Perylene-d12	15.657	264	342068	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	950151	83.472	ng	0.00
7) Phenol-d6	6.569	99	1384601	87.549	ng	0.00
23) Nitrobenzene-d5	7.516	82	979959	70.412	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	127603	52.607	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1180139	69.733	ng	0.00
79) Terphenyl-d14	13.080	244	1052143	52.322	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.504	77	361	Below Cal	#	39
10) Phenol	6.581	94	48529	2.885	ng	95
19) n-Nitroso-di-n-propyla...	7.516	70	127229	11.022	ng	# 69
25) Isophorone	7.516	82	975427	36.139	ng	# 69
51) 2,6-Dinitrotoluene	9.998	165	32029	10.083	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	32029	8.321	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.786	198	153	7.445	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	8811	2.059	ng	# 1

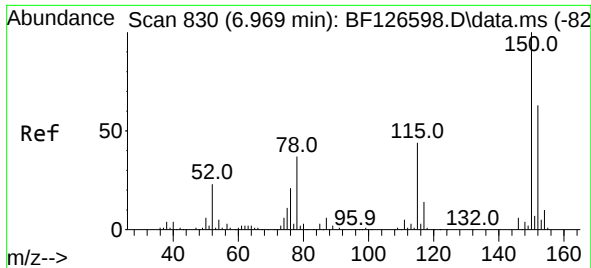
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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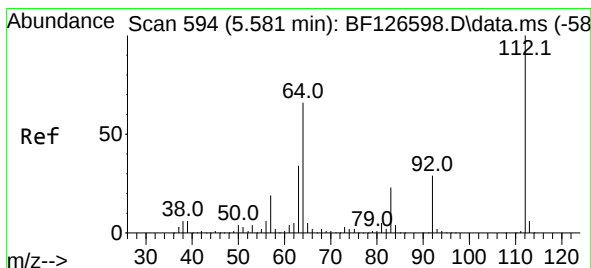
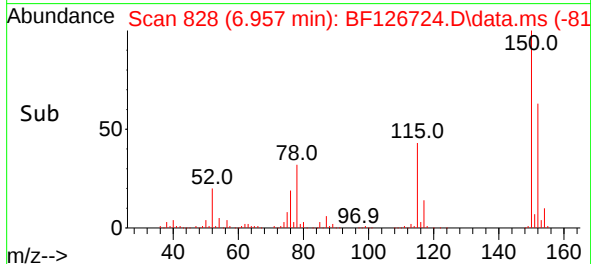
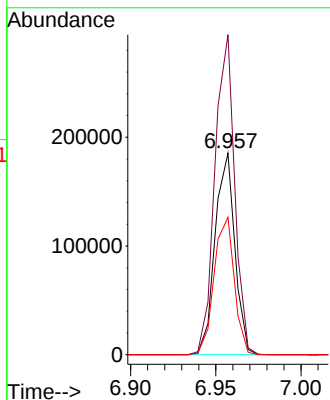
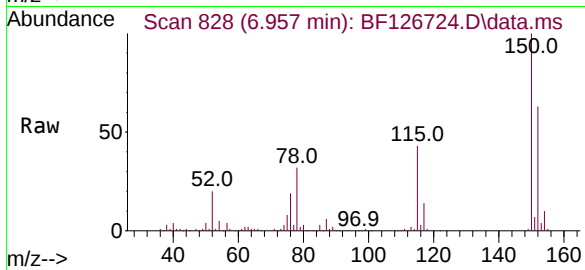




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

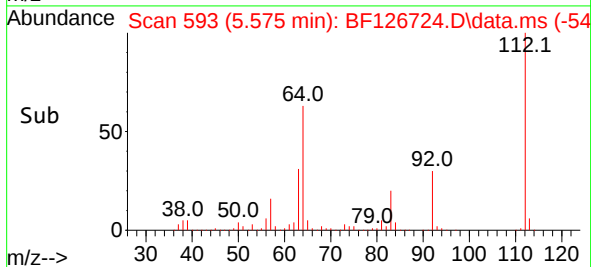
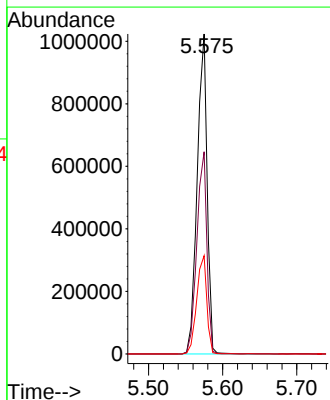
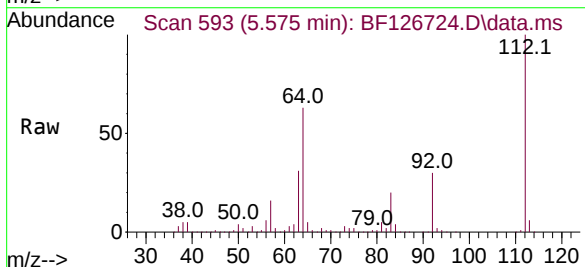
Instrument :
BNA_F
ClientSampleId :
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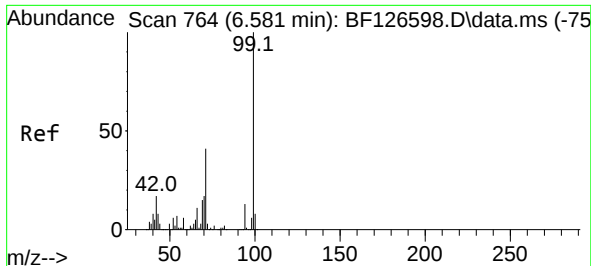
Tgt Ion:152 Resp: 149788
Ion Ratio Lower Upper
152 100
150 158.9 128.1 192.1
115 68.2 56.7 85.1



#5
2-Fluorophenol
Concen: 83.472 ng
RT: 5.575 min Scan# 593
Delta R.T. 0.006 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

Tgt Ion:112 Resp: 950151
Ion Ratio Lower Upper
112 100
64 63.2 49.5 74.3
63 30.7 23.9 35.9





#7

Phenol-d6

Concen: 87.549 ng

RT: 6.569 min Scan# 70

Delta R.T. -0.006 min

Lab File: BF126724.D

Acq: 28 Jan 2022 18:52

Instrument :

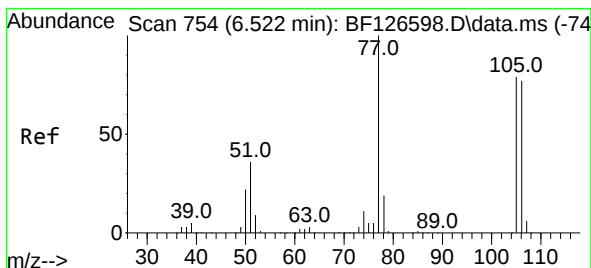
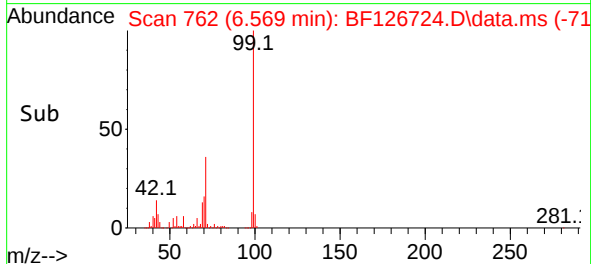
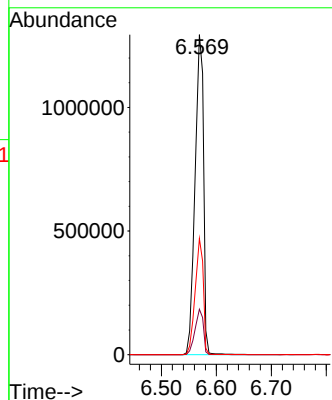
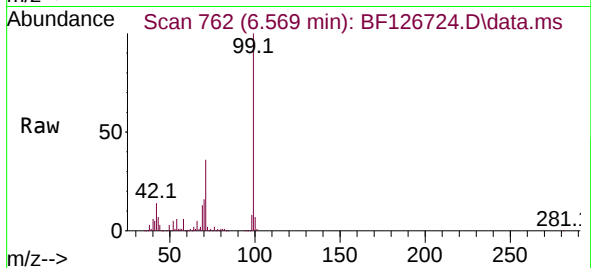
BNA_F

ClientSampleId :

SPAT-SOIL-CUT

Tgt Ion: 99 Resp: 1384601

Ion	Ratio	Lower	Upper
99	100		
42	14.2	14.2	21.4#
71	36.3	24.3	36.5



#9

Benzaldehyde

Concen: Below Cal

RT: 6.504 min Scan# 751

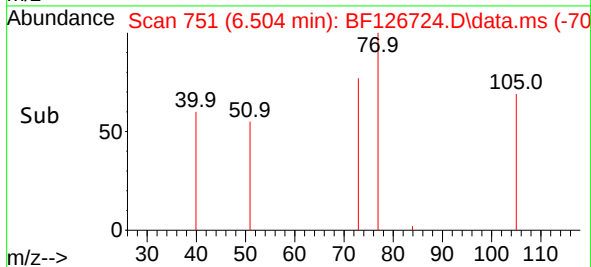
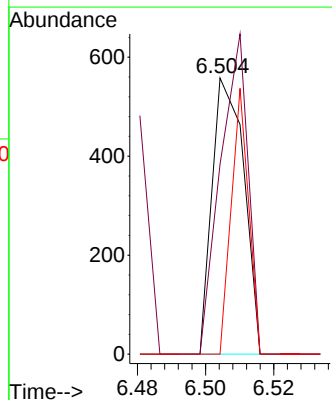
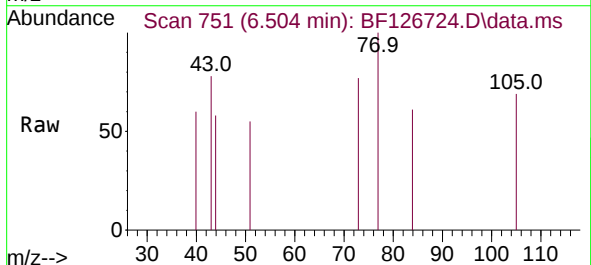
Delta R.T. -0.006 min

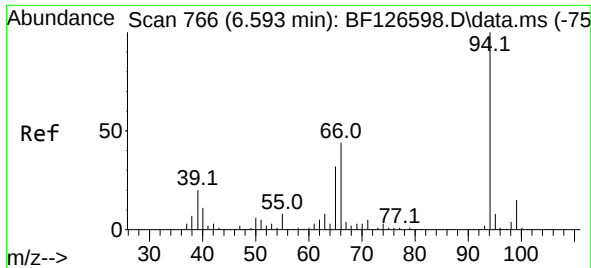
Lab File: BF126724.D

Acq: 28 Jan 2022 18:52

Tgt Ion: 77 Resp: 361

Ion	Ratio	Lower	Upper
77	100		
105	68.8	74.9	114.9#
106	0.0	72.4	112.4#

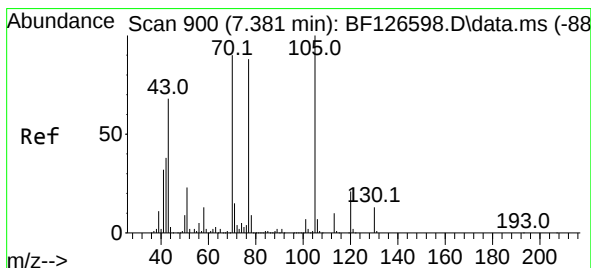
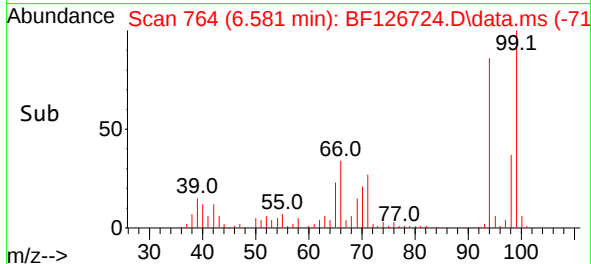
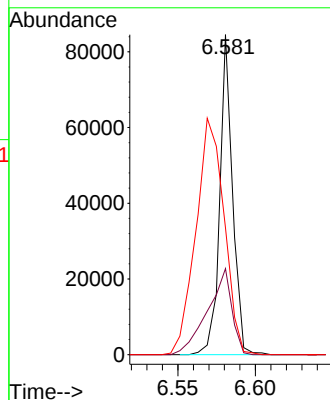
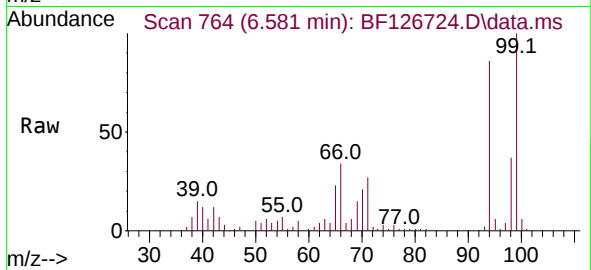




#10
Phenol
Concen: 2.885 ng
RT: 6.581 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

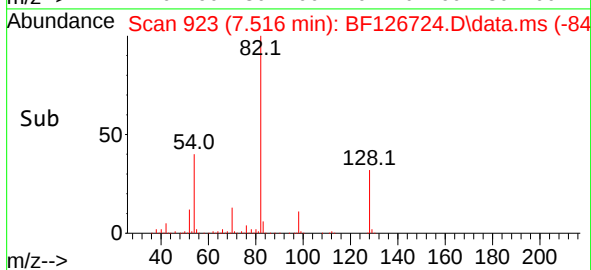
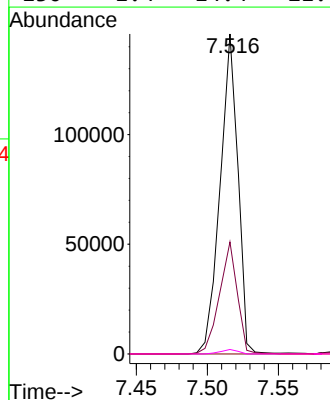
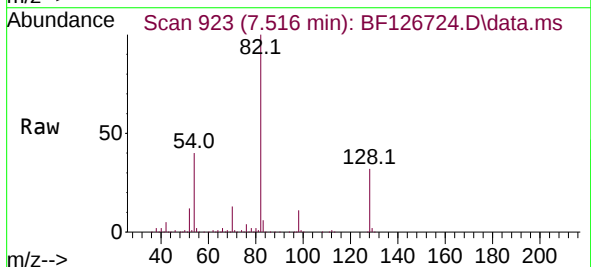
Instrument :
BNA_F
ClientSampleId :
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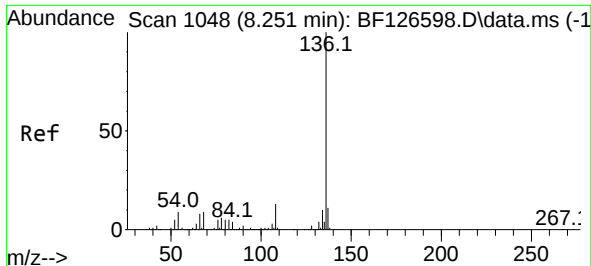
Tgt Ion: 94 Resp: 48529
Ion Ratio Lower Upper
94 100
65 26.9 7.2 47.2
66 39.6 14.5 54.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.022 ng
RT: 7.516 min Scan# 923
Delta R.T. 0.147 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

Tgt Ion: 70 Resp: 127229
Ion Ratio Lower Upper
70 100
42 35.0 45.8 68.8#
101 0.0 6.9 10.3#
130 1.4 14.4 21.6#

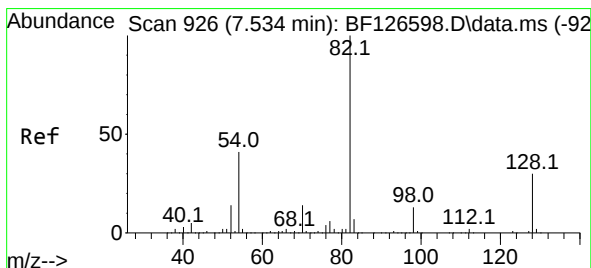
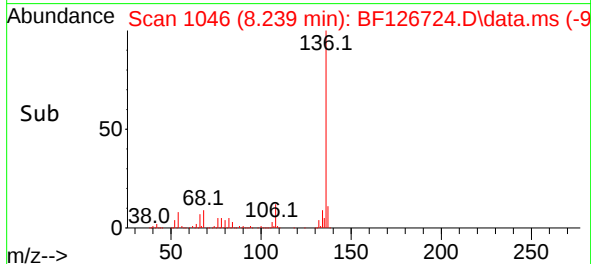
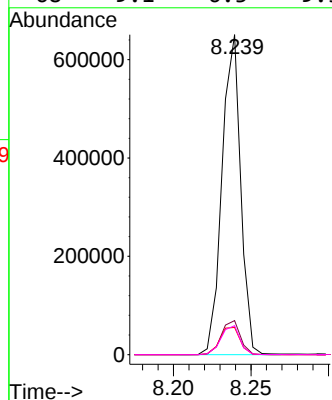
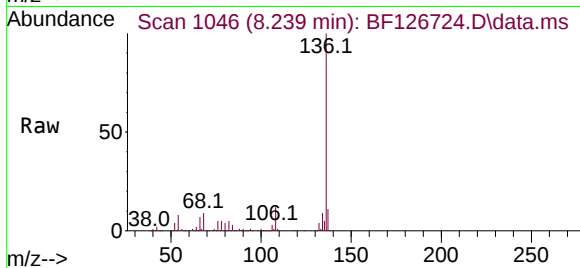




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

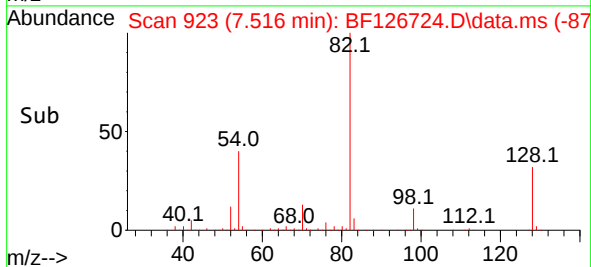
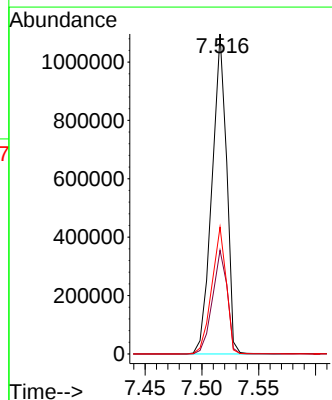
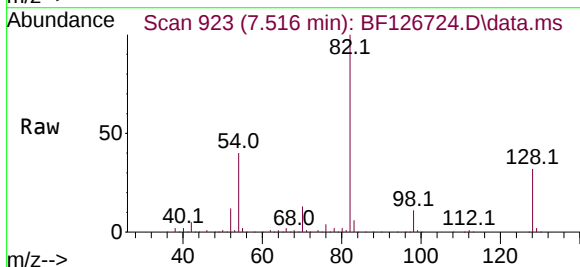
Instrument :
BNA_F
ClientSampleId :
SPAT-SOIL-CUT

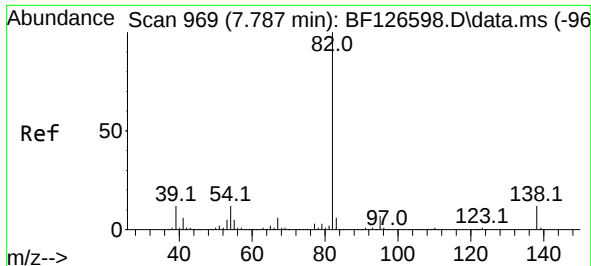
Tgt Ion:	136	Resp:	544746
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	8.5	7.8	11.6
68	9.1	6.3	9.5



#23
Nitrobenzene-d5
Concen: 70.412 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.006 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

Tgt Ion:	82	Resp:	979959
Ion Ratio	Lower	Upper	
82	100		
128	32.4	32.7	49.1#
54	39.6	41.7	62.5#

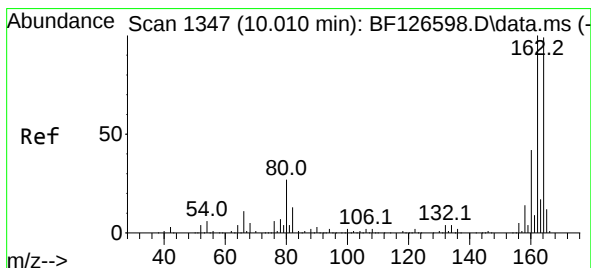
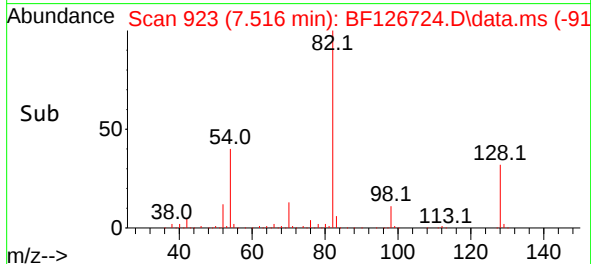
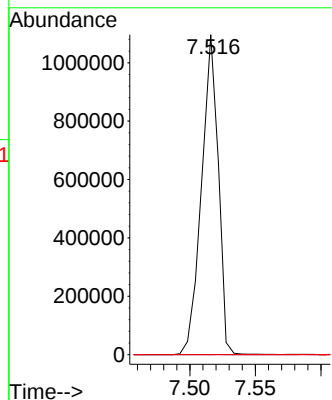
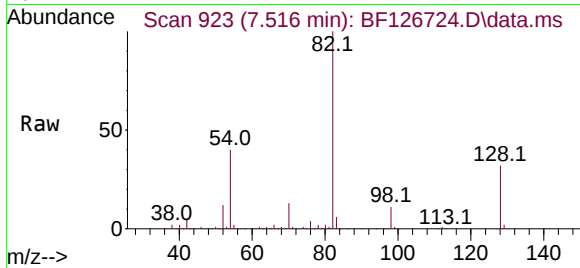




#25
Isophorone
Concen: 36.139 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

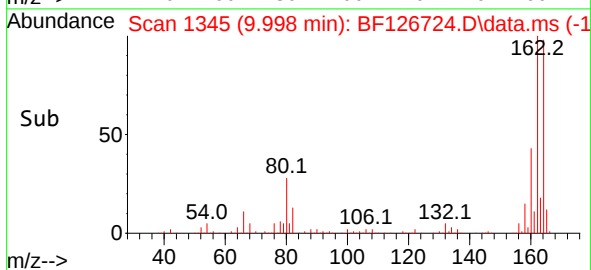
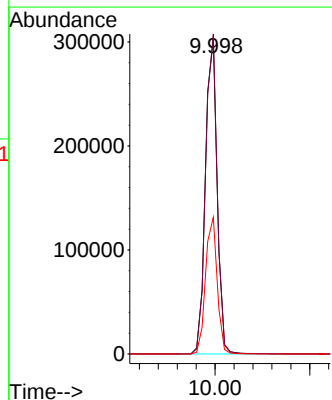
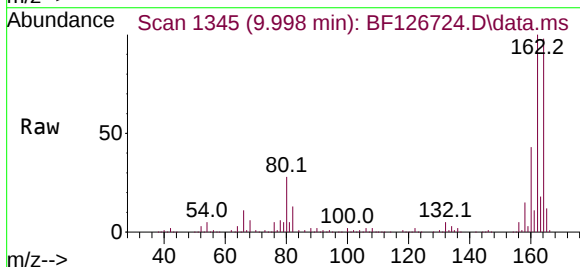
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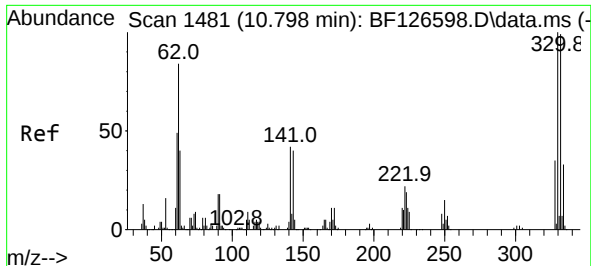
Tgt Ion: 82 Resp: 975427
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

Tgt Ion: 164 Resp: 259187
Ion Ratio Lower Upper
164 100
162 101.8 81.4 122.0
160 43.5 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 52.607 ng

RT: 10.786 min Scan# 1481

Delta R.T. -0.006 min

Lab File: BF126724.D

Acq: 28 Jan 2022 18:52

Instrument :

BNA_F

ClientSampleId :

SPAT-SOIL-CUT

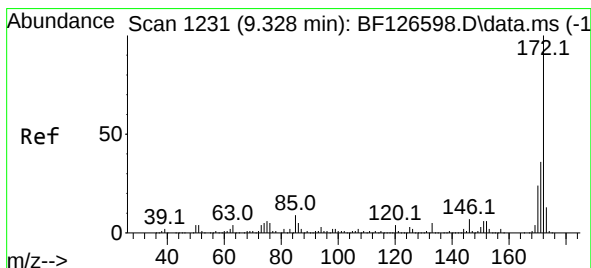
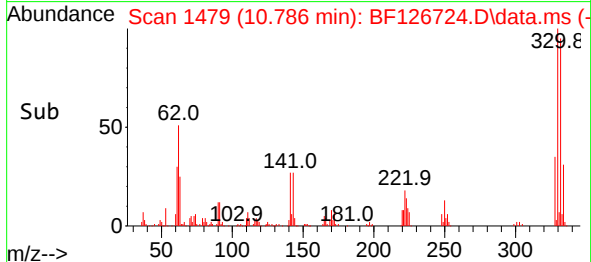
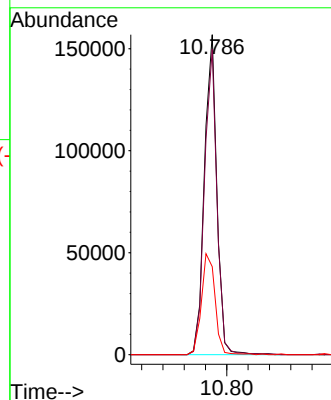
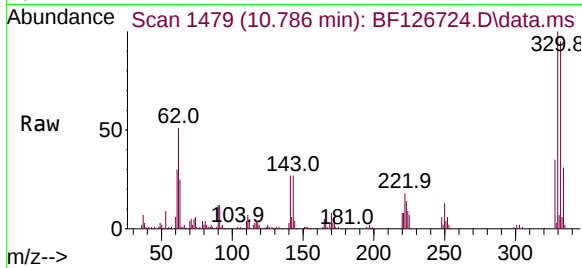
Tgt Ion:330 Resp: 127603

Ion Ratio Lower Upper

330 100

332 95.6 76.0 114.0

141 34.7 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 69.733 ng

RT: 9.316 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF126724.D

Acq: 28 Jan 2022 18:52

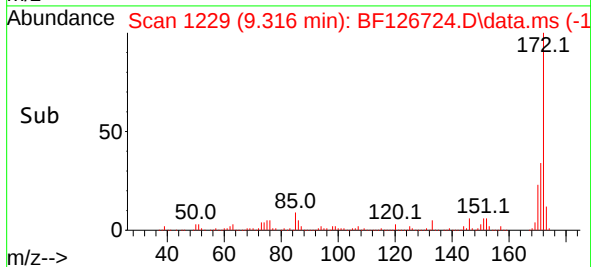
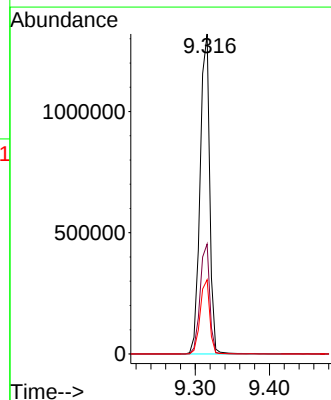
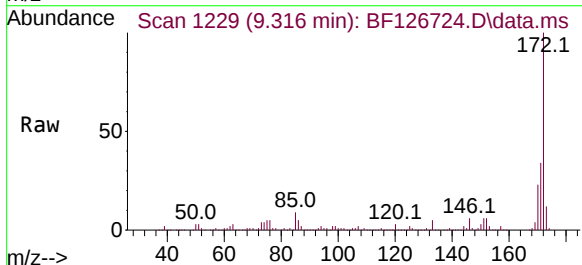
Tgt Ion:172 Resp: 1180139

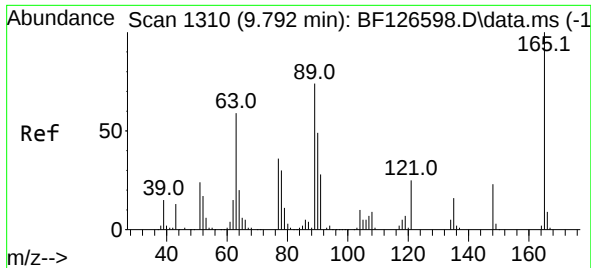
Ion Ratio Lower Upper

172 100

171 34.4 28.3 42.5

170 23.2 19.0 28.6

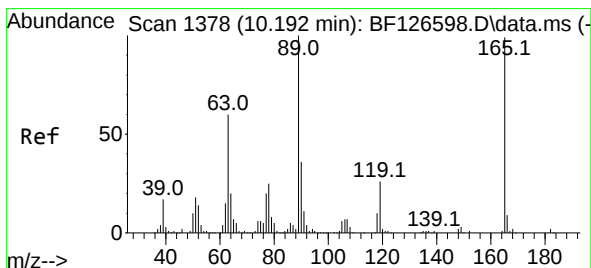
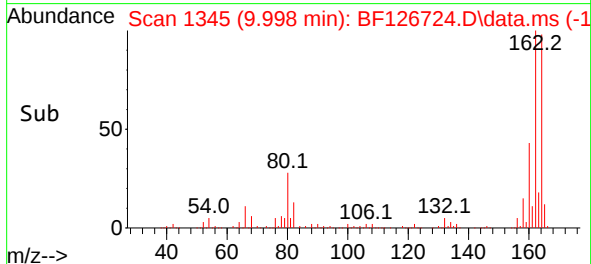
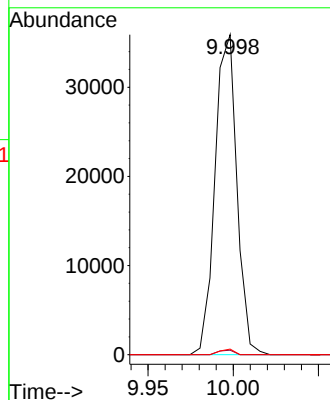
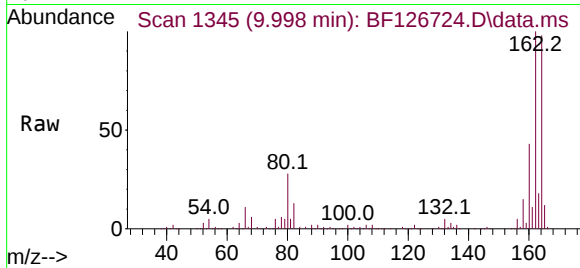




#51
2,6-Dinitrotoluene
Concen: 10.083 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

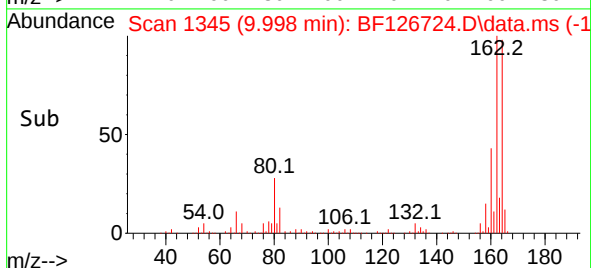
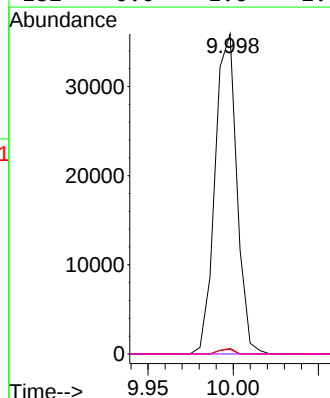
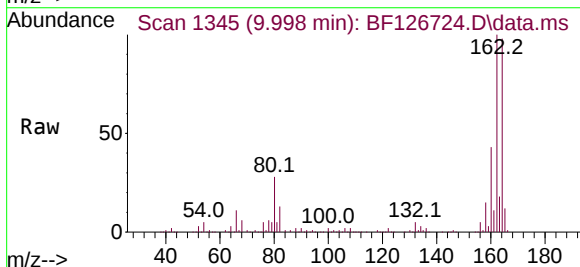
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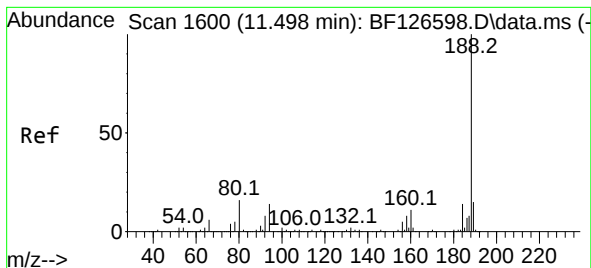
Tgt Ion:165 Resp: 32029
Ion Ratio Lower Upper
165 100
63 1.4 48.4 72.6#
89 1.7 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 8.321 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.188 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

Tgt Ion:165 Resp: 32029
Ion Ratio Lower Upper
165 100
63 1.4 43.0 64.6#
89 1.7 71.0 106.4#
182 0.0 1.6 2.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126724.D

Acq: 28 Jan 2022 18:52

Instrument :

BNA_F

ClientSampleId :

SPAT-SOIL-CUT

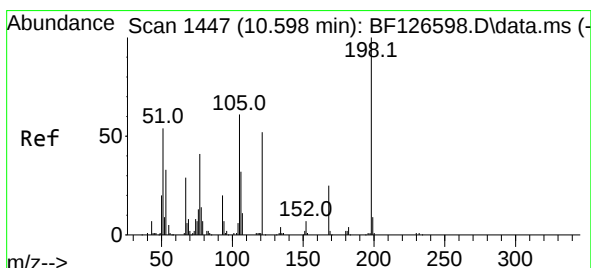
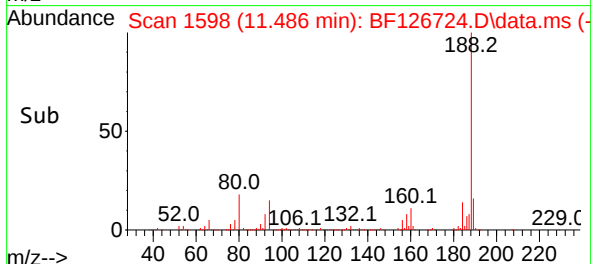
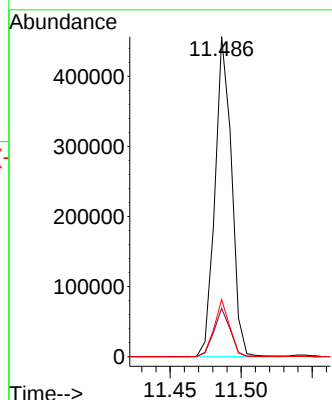
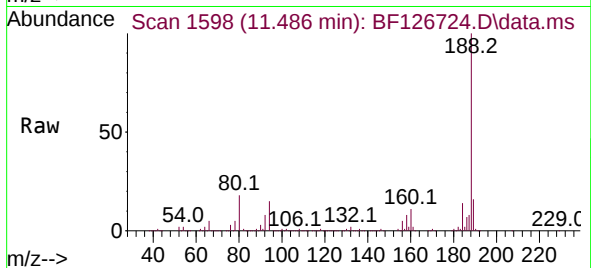
Tgt Ion:188 Resp: 371239

Ion Ratio Lower Upper

188 100

94 15.1 10.1 15.1#

80 17.9 11.8 17.6#



#65

4,6-Dinitro-2-methylphenol

Concen: 7.445 ng

RT: 10.786 min Scan# 1479

Delta R.T. 0.194 min

Lab File: BF126724.D

Acq: 28 Jan 2022 18:52

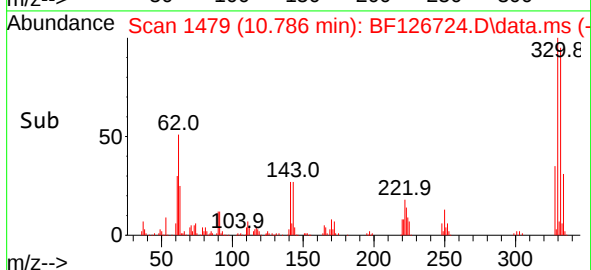
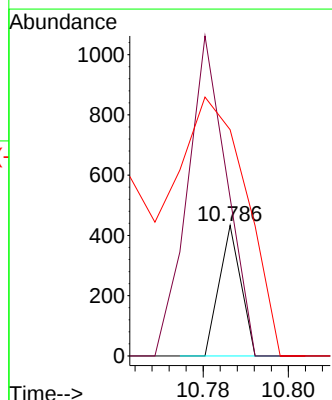
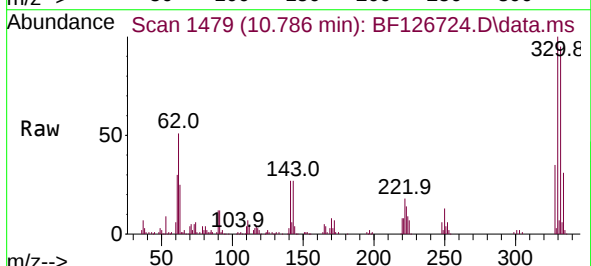
Tgt Ion:198 Resp: 153

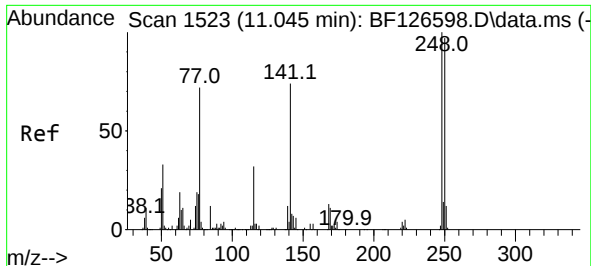
Ion Ratio Lower Upper

198 100

51 121.2 32.0 72.0#

105 173.4 32.7 72.7#

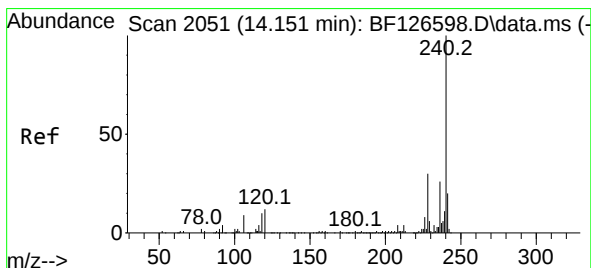
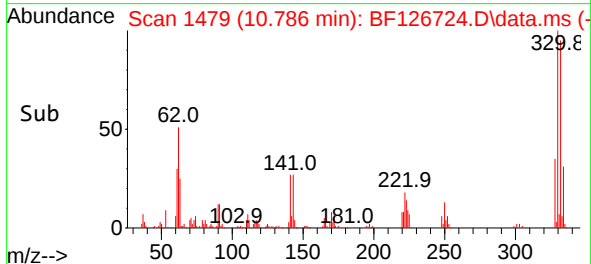
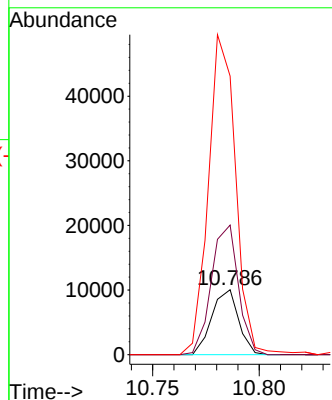
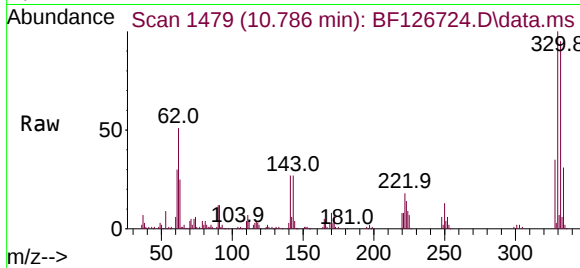




#67
4-Bromophenyl-phenylether
Concen: 2.059 ng
RT: 10.786 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

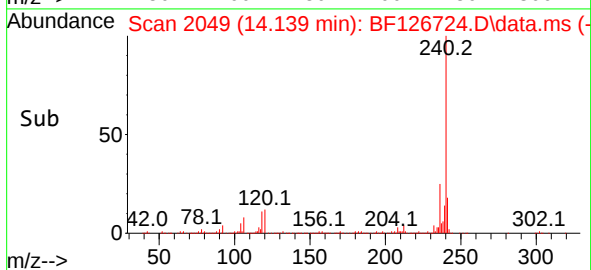
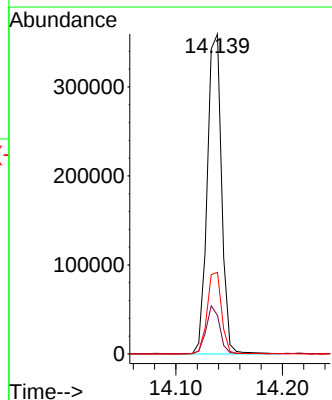
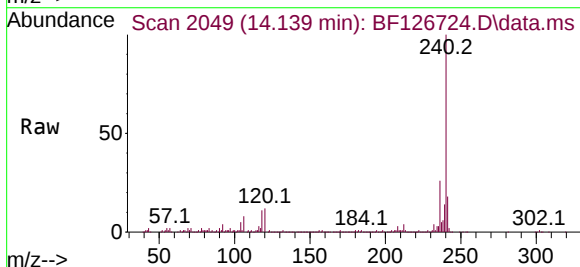
Instrument :
BNA_F
ClientSampleId :
SPAT-SOIL-CUT

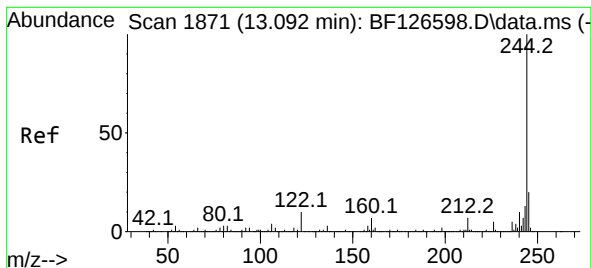
Tgt Ion:248 Resp: 8811
Ion Ratio Lower Upper
248 100
250 199.3 76.2 114.4#
141 428.7 66.2 99.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BF126724.D
Acq: 28 Jan 2022 18:52

Tgt Ion:240 Resp: 337279
Ion Ratio Lower Upper
240 100
120 12.1 14.4 21.6#
236 25.5 20.5 30.7





#79

Terphenyl-d14

Concen: 52.322 ng

RT: 13.080 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF126724.D

Acq: 28 Jan 2022 18:52

Instrument :

BNA_F

ClientSampleId :

SPAT-SOIL-CUT

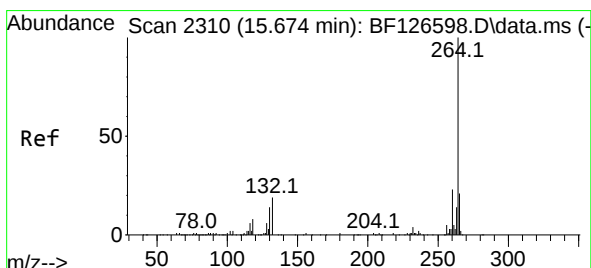
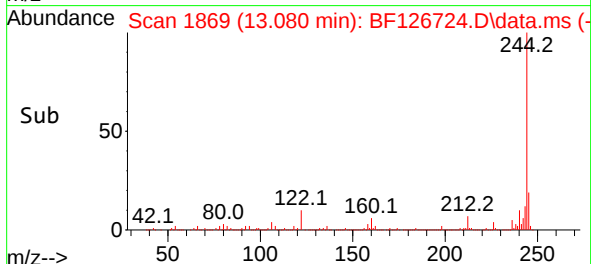
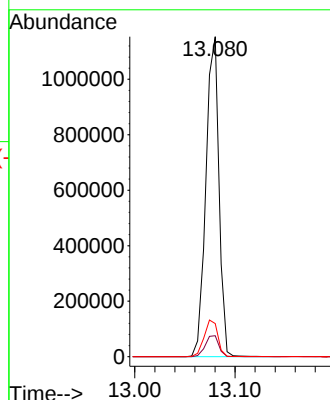
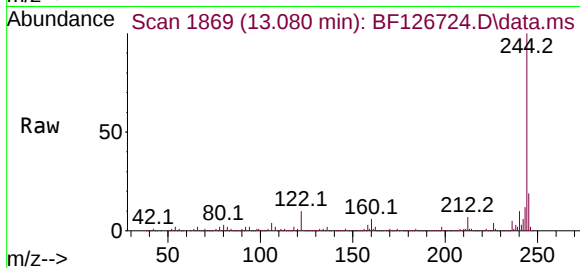
Tgt Ion:244 Resp: 1052143

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

122 10.3 13.3 19.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.657 min Scan# 2307

Delta R.T. -0.006 min

Lab File: BF126724.D

Acq: 28 Jan 2022 18:52

Tgt Ion:264 Resp: 342068

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.6 17.4 26.2

