

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141028.D
 Acq On : 30 Dec 2024 13:29
 Operator : RC/JU
 Sample : P5380-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TAPIAL3-IDW-SOIL-122024-T1

Quant Time: Dec 30 13:50:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

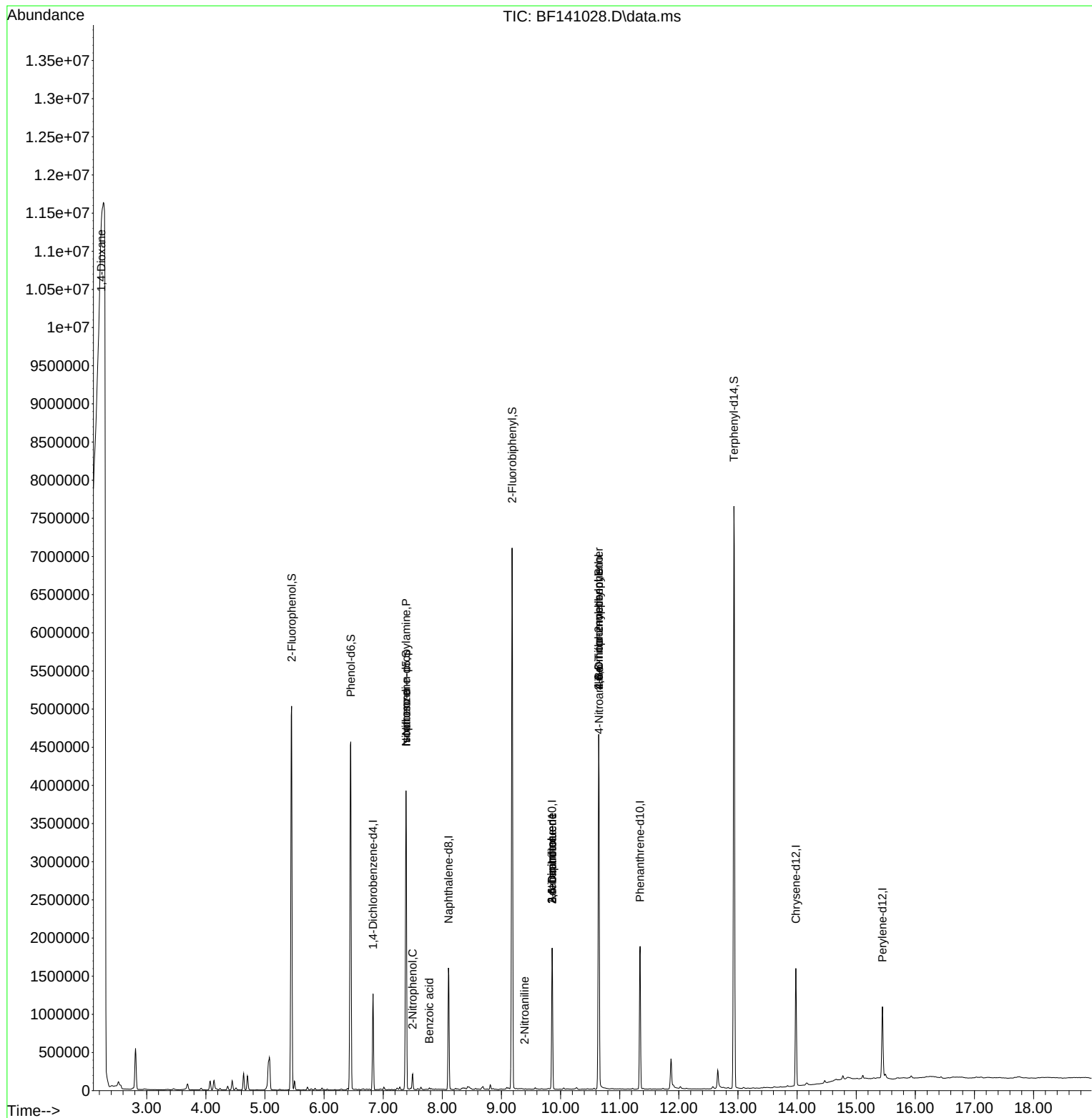
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	253415	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1011771	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	540531	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	938430	20.000	ng	0.00
76) Chrysene-d12	13.980	240	714431	20.000	ng	0.00
86) Perylene-d12	15.445	264	541596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	2055953	122.293	ng	0.02
7) Phenol-d6	6.451	99	2386295	110.186	ng	0.00
23) Nitrobenzene-d5	7.386	82	1821161	115.159	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	871475	165.920	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	3144167	92.676	ng	0.00
79) Terphenyl-d14	12.933	244	3899798	90.667	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.234	88	26949	3.541 ng	#	30
9) Benzaldehyde	6.375	77	990	Below Cal	#	67
19) n-Nitroso-di-n-propyla...	7.386	70	244666	18.441 ng	#	79
25) Isophorone	7.386	82	1813614	52.702 ng	#	65
26) 2-Nitrophenol	7.498	139	1976	5.544 ng	#	59
32) Benzoic acid	7.781	122	6637	8.231 ng	#	97
48) 2-Nitroaniline	9.392	65	214	4.667 ng	#	6
51) 2,6-Dinitrotoluene	9.857	165	70623	12.653 ng	#	23
53) 3-Nitroaniline	9.857	138	127	3.280 ng	#	1
57) 2,4-Dinitrotoluene	9.857	165	70623	11.713 ng	#	21
62) 4-Nitroaniline	10.651	138	72	3.355 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.645	198	1897	9.752 ng	#	1
67) 4-Bromophenyl-phenylether	10.645	248	53338	5.258 ng	#	1

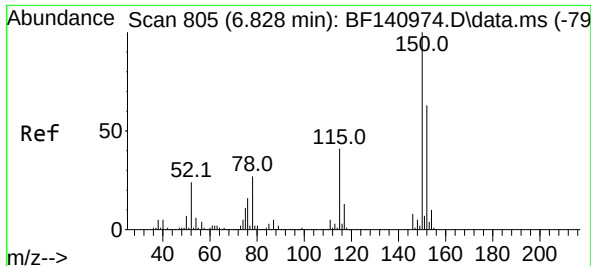
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
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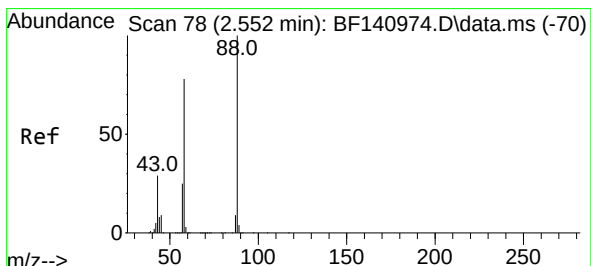
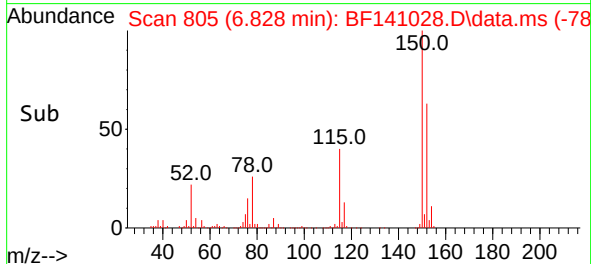
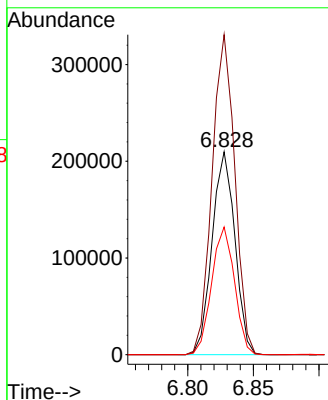
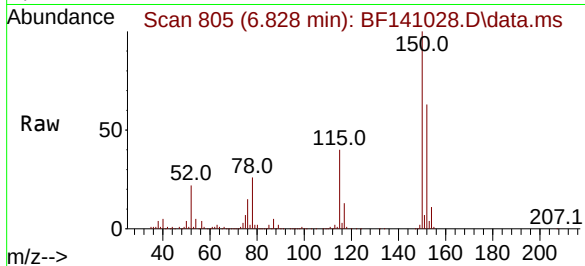




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF141028.D
 Acq: 30 Dec 2024 13:29

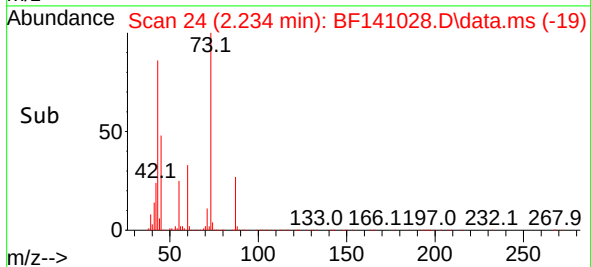
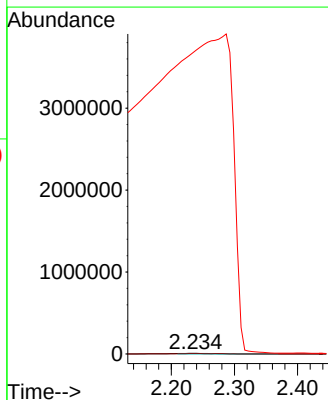
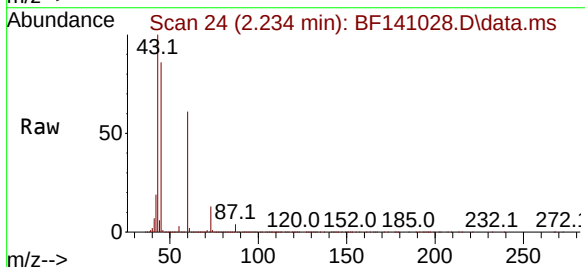
Instrument :
 BNA_F
 ClientSampleId :
 TAPIAL3-IDW-SOIL-122024-T1

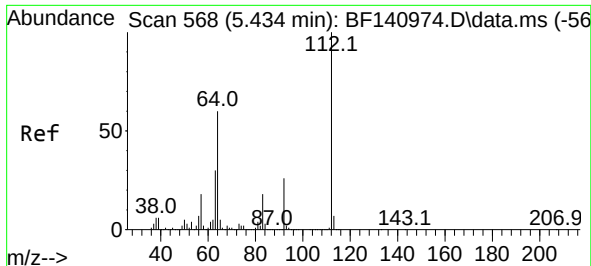
Tgt Ion:152 Resp: 253415
 Ion Ratio Lower Upper
 152 100
 150 157.8 127.0 190.6
 115 63.0 51.7 77.5



#2
 1,4-Dioxane
 Concen: 3.541 ng
 RT: 2.234 min Scan# 24
 Delta R.T. -0.318 min
 Lab File: BF141028.D
 Acq: 30 Dec 2024 13:29

Tgt Ion: 88 Resp: 26949
 Ion Ratio Lower Upper
 88 100
 58 13.0 63.0 94.4#
 43 0.0 23.4 35.2#

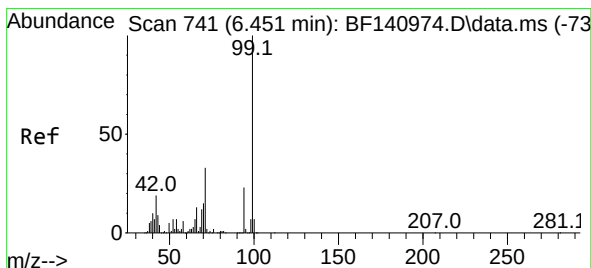
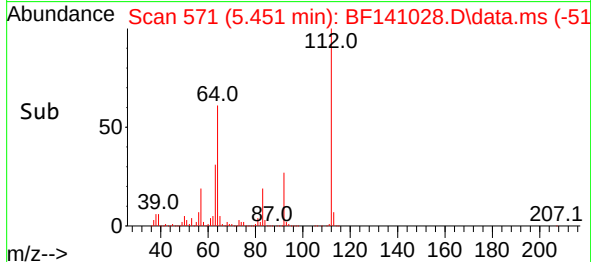
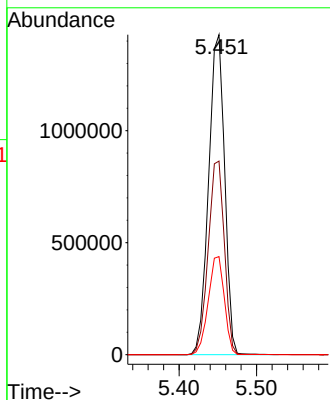
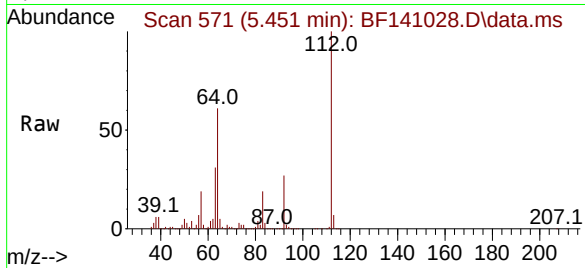




#5
2-Fluorophenol
Concen: 122.293 ng
RT: 5.451 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

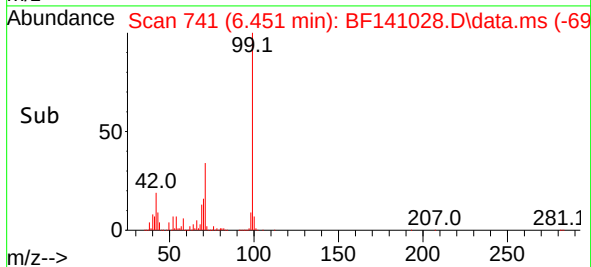
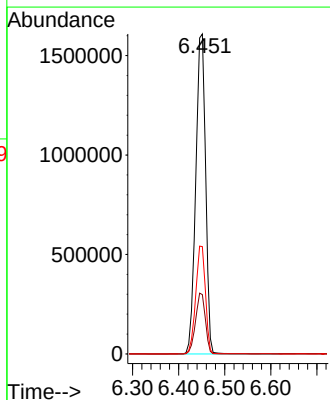
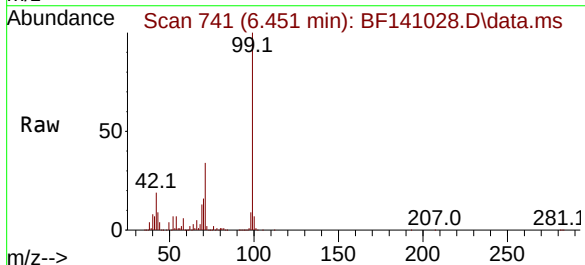
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

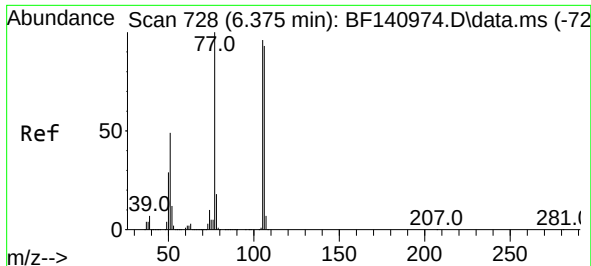
Tgt Ion:112 Resp: 2055953
Ion Ratio Lower Upper
112 100
64 60.5 47.7 71.5
63 30.6 24.2 36.2



#7
Phenol-d6
Concen: 110.186 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion: 99 Resp: 2386295
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.4
71 33.5 26.2 39.2

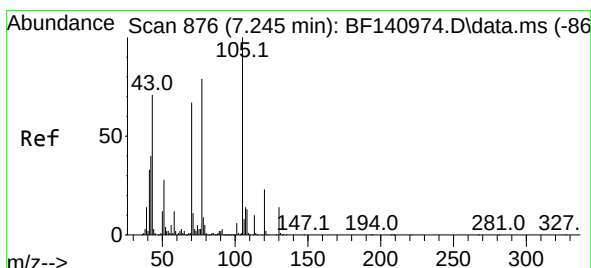
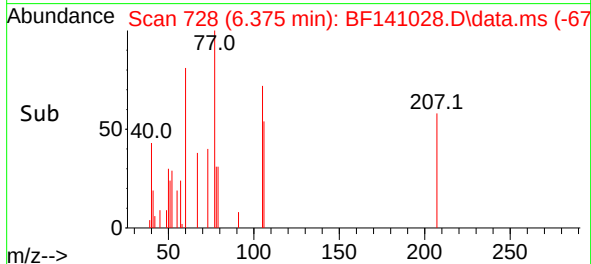
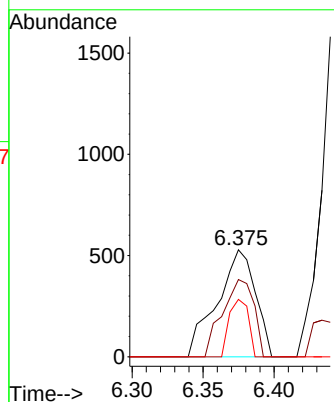
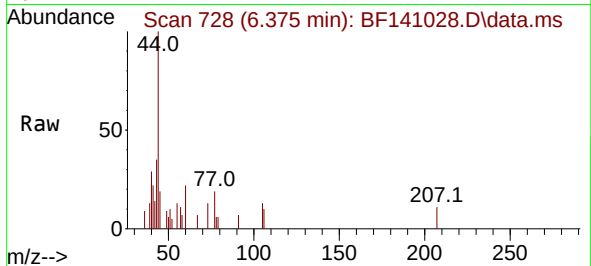




#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

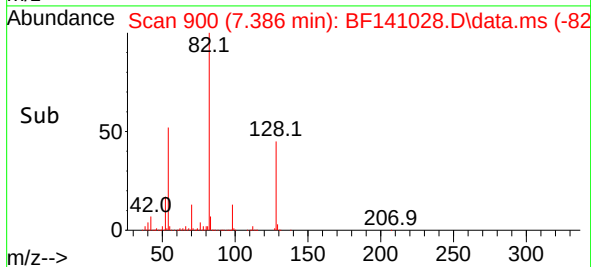
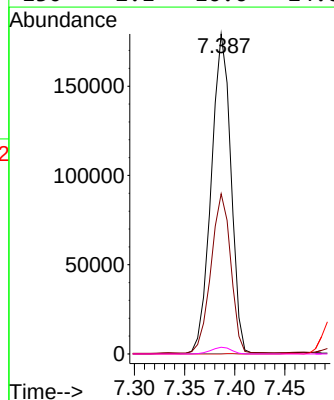
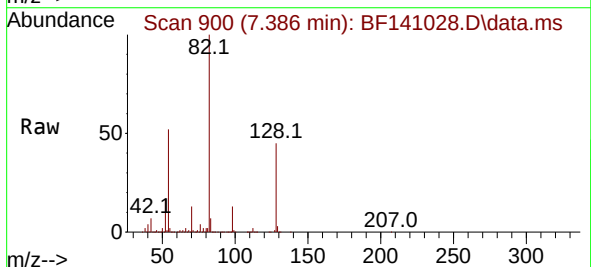
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

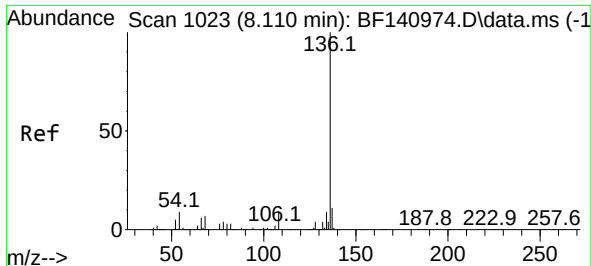
Tgt Ion: 77 Resp: 990
Ion Ratio Lower Upper
77 100
105 72.2 76.2 116.2#
106 53.6 73.4 113.4#



#19
n-Nitroso-di-n-propylamine
Concen: 18.441 ng
RT: 7.386 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion: 70 Resp: 244666
Ion Ratio Lower Upper
70 100
42 50.1 48.1 72.1
101 0.0 7.6 11.4#
130 2.1 16.6 24.8#

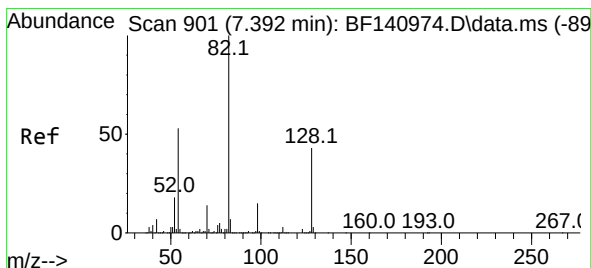
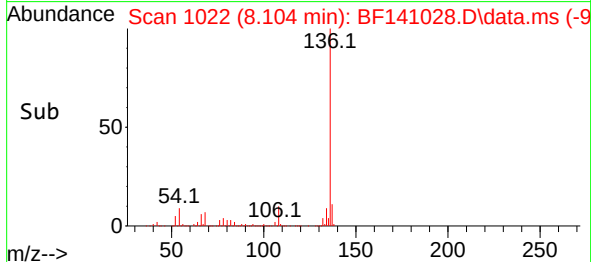
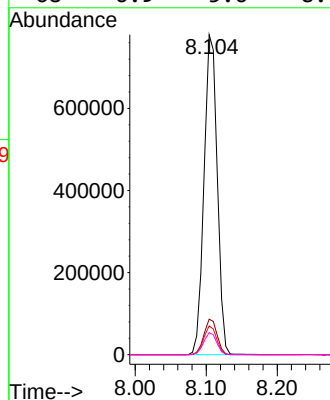
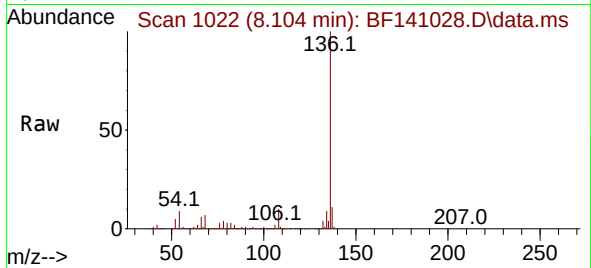




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

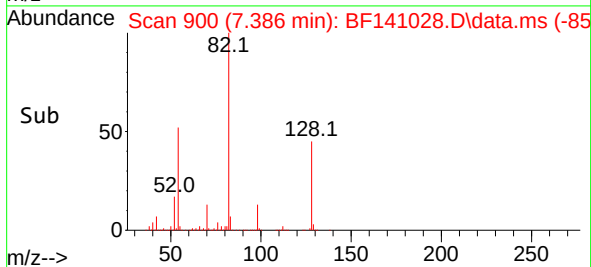
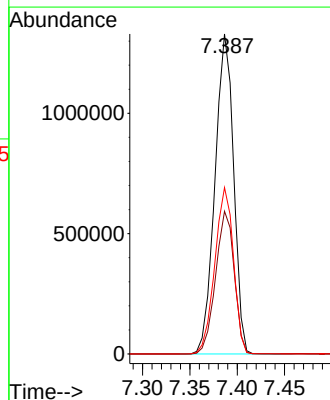
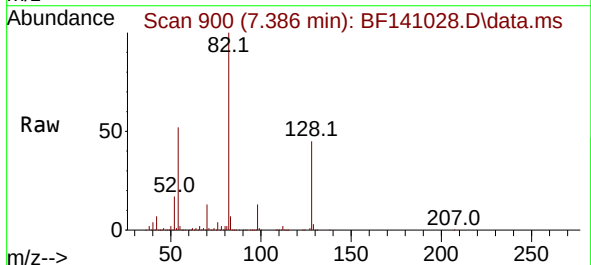
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

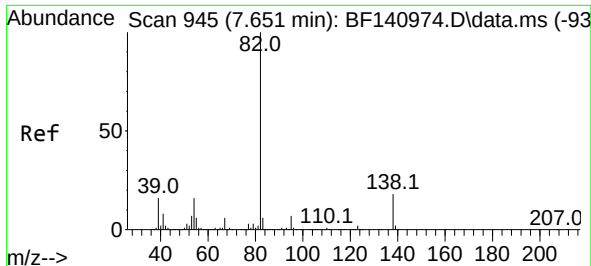
Tgt Ion:136 Resp: 1011771
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.0 7.6 11.4
68 6.9 5.6 8.4



#23
Nitrobenzene-d5
Concen: 115.159 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion: 82 Resp: 1821161
Ion Ratio Lower Upper
82 100
128 44.6 34.4 51.6
54 52.0 42.4 63.6

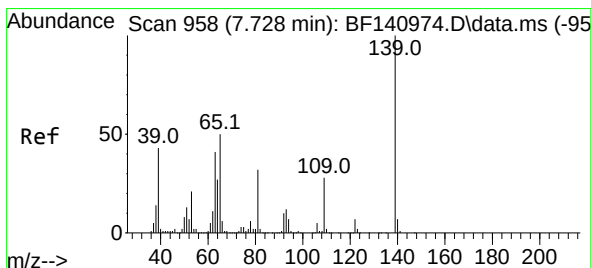
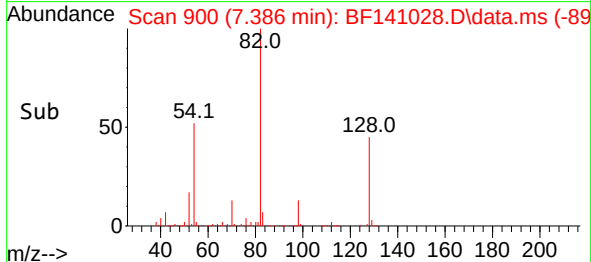
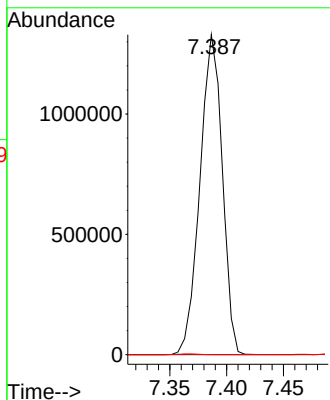
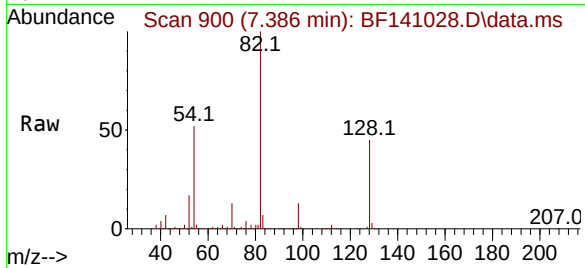




#25
Isophorone
Concen: 52.702 ng
RT: 7.386 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

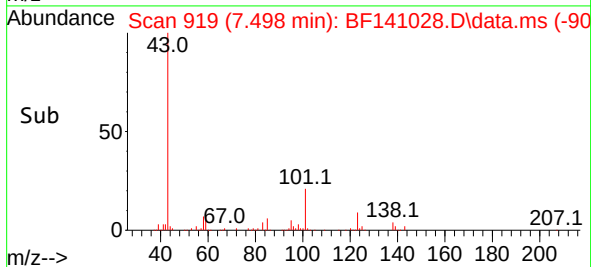
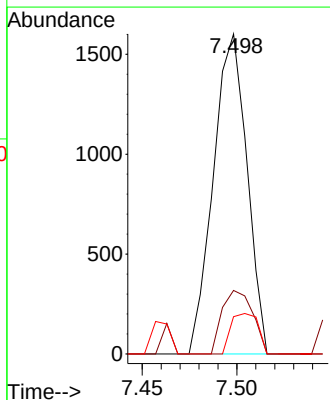
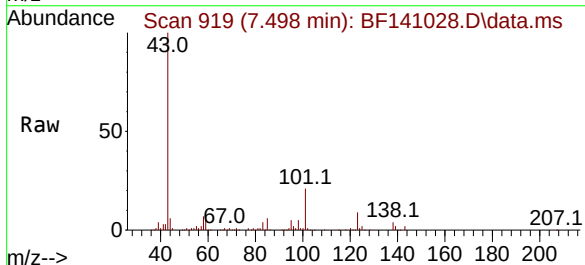
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

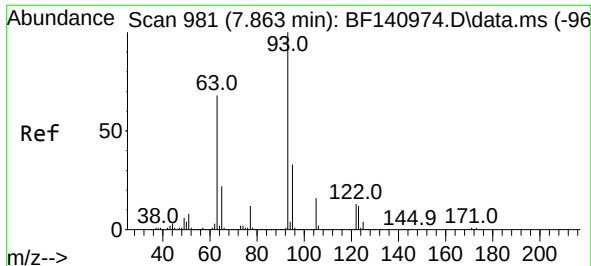
Tgt Ion: 82 Resp: 1813614
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#



#26
2-Nitrophenol
Concen: 5.544 ng
RT: 7.498 min Scan# 919
Delta R.T. -0.230 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion:139 Resp: 1976
Ion Ratio Lower Upper
139 100
109 19.9 22.2 33.4#
65 11.7 40.2 60.4#

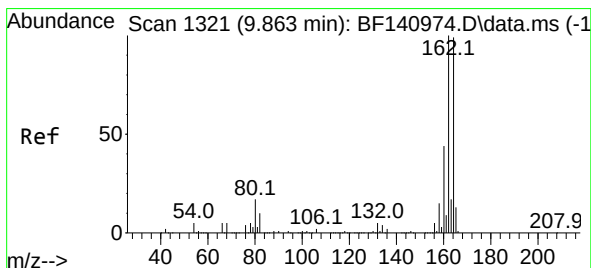
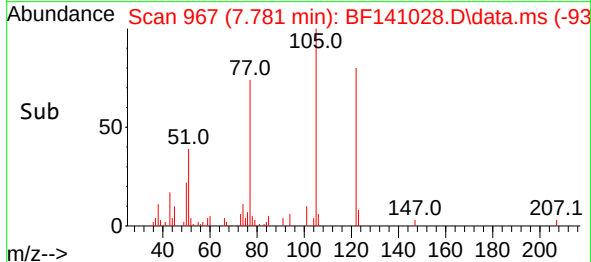
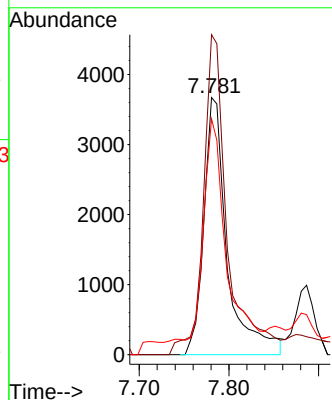
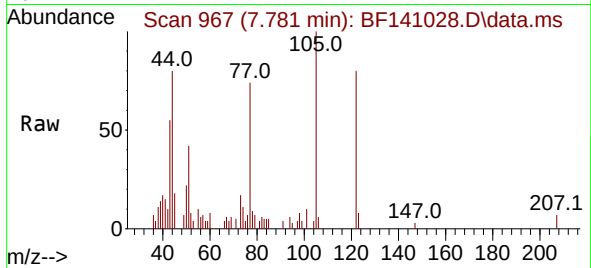




#32
Benzoic acid
Concen: 8.231 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.082 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

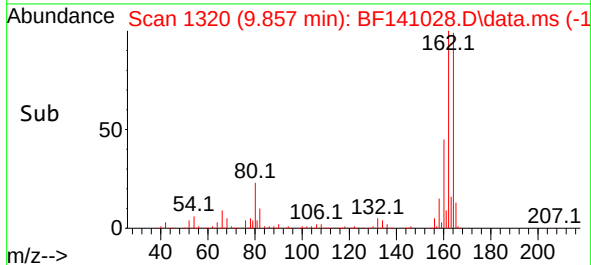
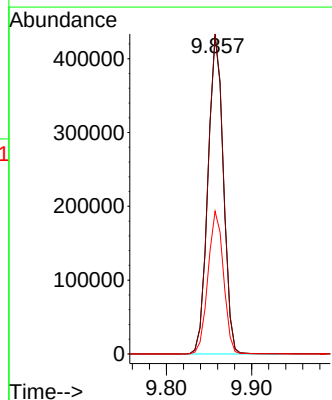
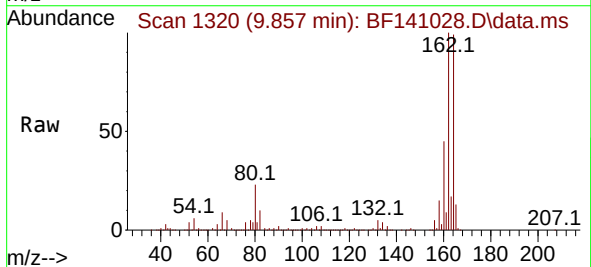
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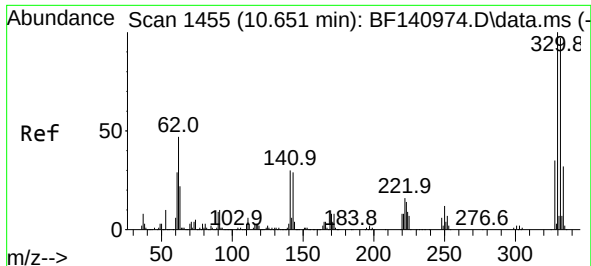
Tgt Ion:122 Resp: 6637
Ion Ratio Lower Upper
122 100
105 124.5 105.4 145.4
77 91.7 76.4 116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion:164 Resp: 540531
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 44.9 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 165.920 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141028.D

Acq: 30 Dec 2024 13:29

Instrument :

BNA_F

ClientSampleId :

TAPIAL3-IDW-SOIL-122024-T1

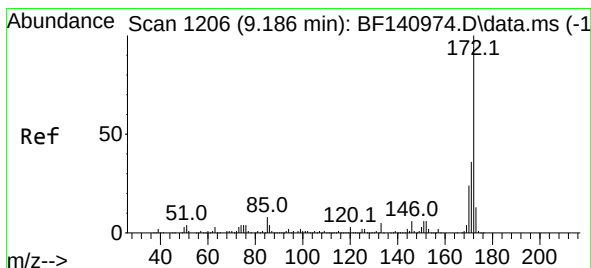
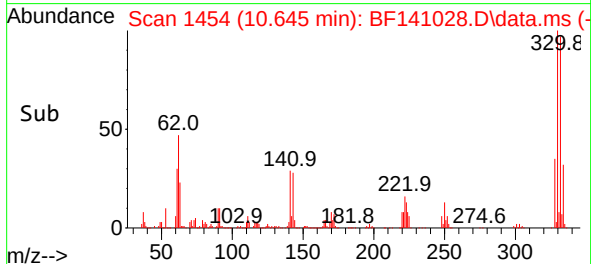
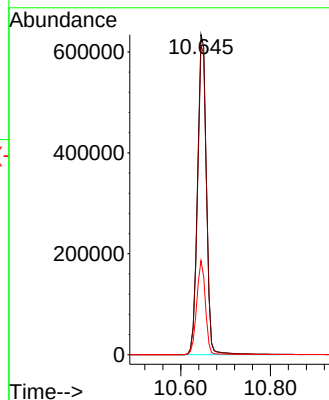
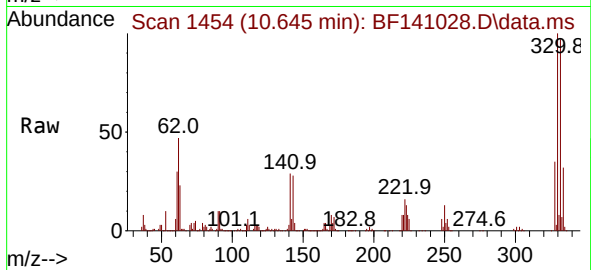
Tgt Ion:330 Resp: 871475

Ion Ratio Lower Upper

330 100

332 97.2 78.0 117.0

141 29.3 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 92.676 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141028.D

Acq: 30 Dec 2024 13:29

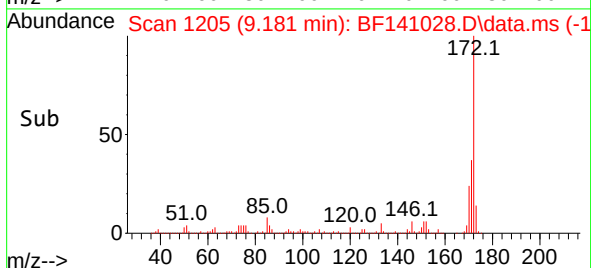
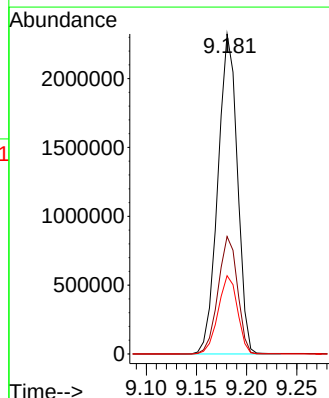
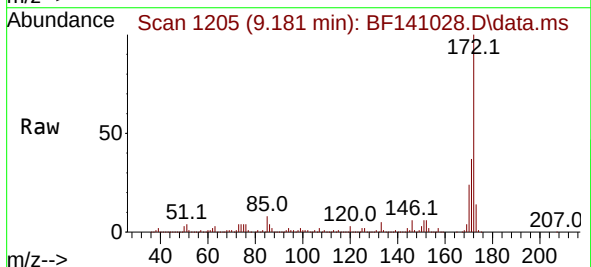
Tgt Ion:172 Resp: 3144167

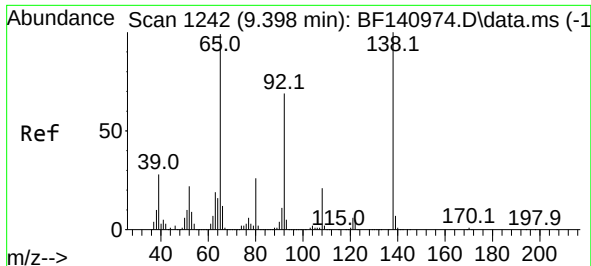
Ion Ratio Lower Upper

172 100

171 36.7 29.0 43.4

170 24.5 19.6 29.4





#48

2-Nitroaniline

Concen: 4.667 ng

RT: 9.392 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141028.D

Acq: 30 Dec 2024 13:29

Instrument :

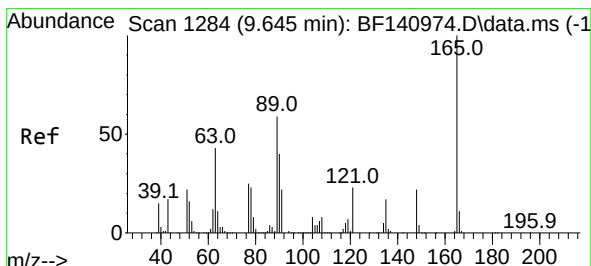
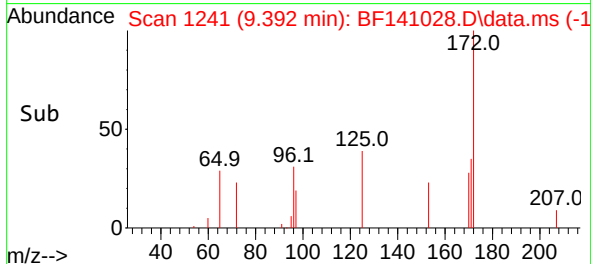
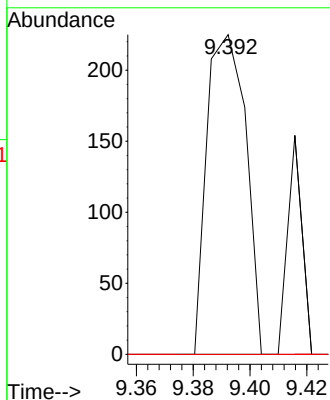
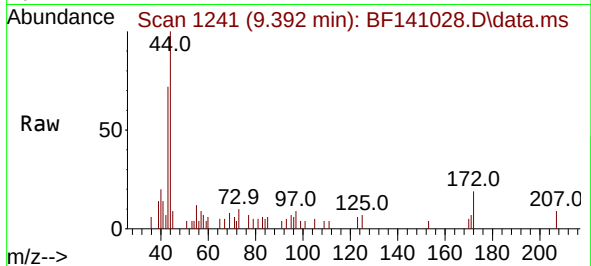
BNA_F

ClientSampleId :

TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion: 65 Resp: 214

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.6	83.4#
138	0.0	80.5	120.7#



#51

2,6-Dinitrotoluene

Concen: 12.653 ng

RT: 9.857 min Scan# 1320

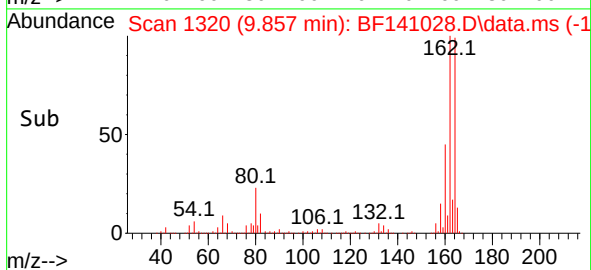
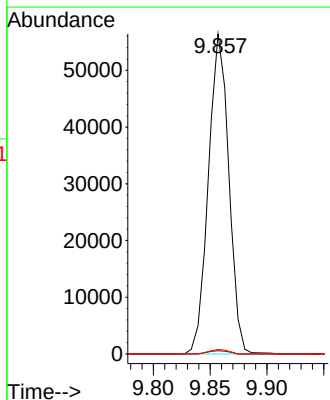
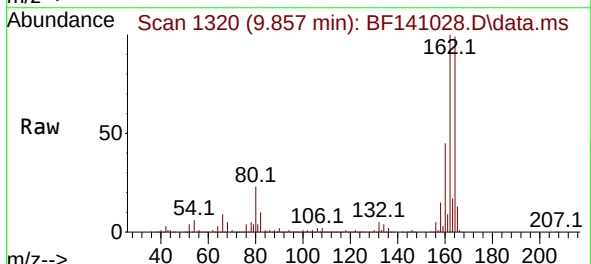
Delta R.T. 0.212 min

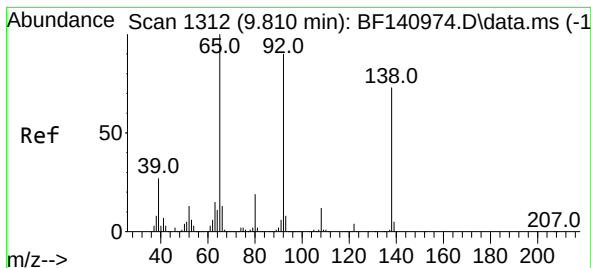
Lab File: BF141028.D

Acq: 30 Dec 2024 13:29

Tgt Ion: 165 Resp: 70623

Ion	Ratio	Lower	Upper
165	100		
63	1.0	47.1	70.7#
89	1.4	47.0	70.4#





#53

3-Nitroaniline

Concen: 3.280 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.047 min

Lab File: BF141028.D

Acq: 30 Dec 2024 13:29

Instrument :

BNA_F

ClientSampleId :

TAPIAL3-IDW-SOIL-122024-T1

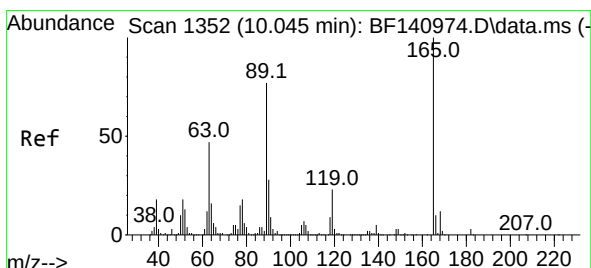
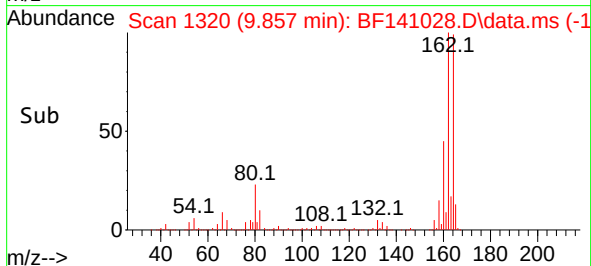
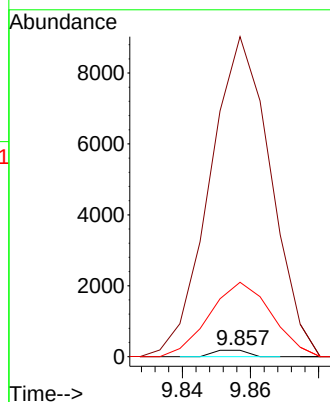
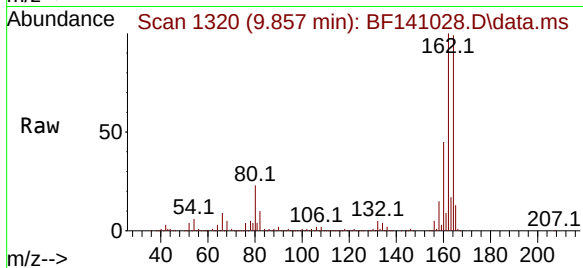
Tgt Ion:138 Resp: 127

Ion Ratio Lower Upper

138 100

108 5013.9 13.5 20.3#

92 1165.0 97.7 146.5#



#57

2,4-Dinitrotoluene

Concen: 11.713 ng

RT: 9.857 min Scan# 1320

Delta R.T. -0.188 min

Lab File: BF141028.D

Acq: 30 Dec 2024 13:29

Tgt Ion:165 Resp: 70623

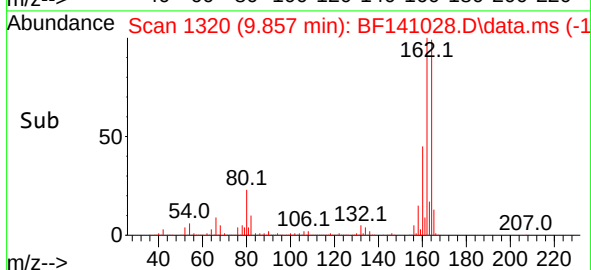
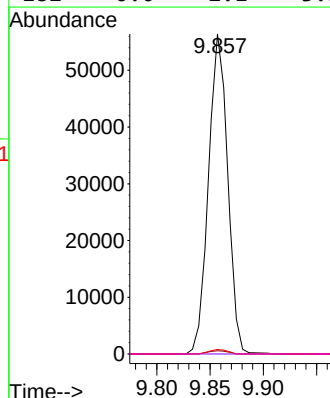
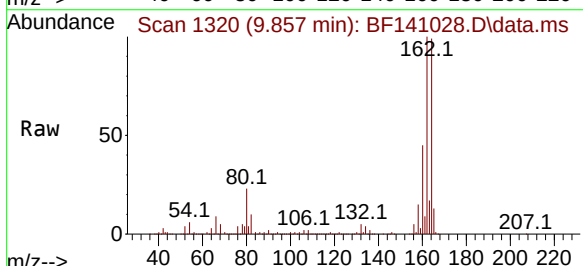
Ion Ratio Lower Upper

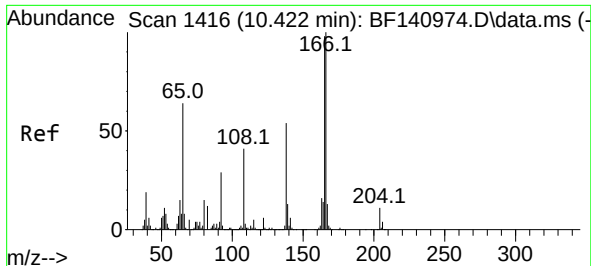
165 100

63 1.0 38.1 57.1#

89 1.4 61.4 92.2#

182 0.0 2.1 3.1#

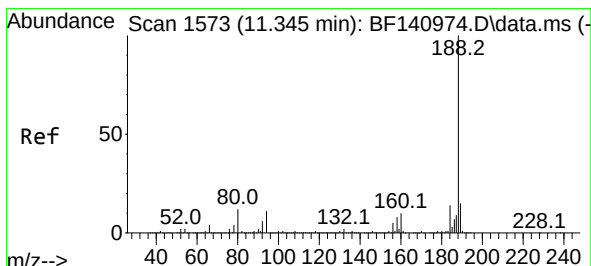
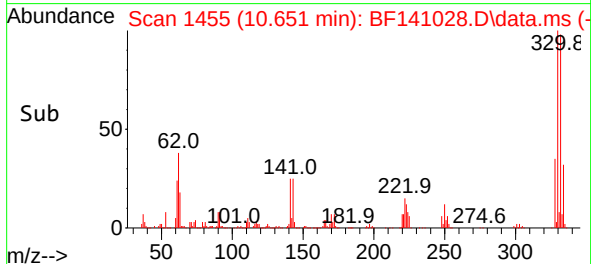
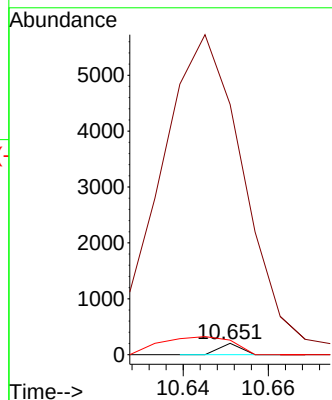
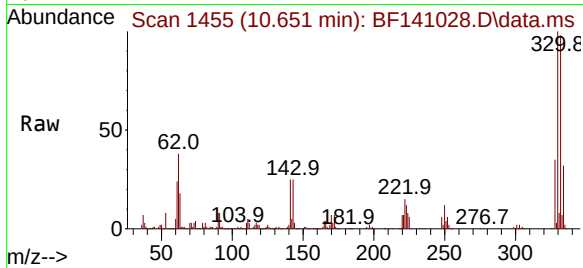




#62
4-Nitroaniline
Concen: 3.355 ng
RT: 10.651 min Scan# 1416
Delta R.T. 0.229 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

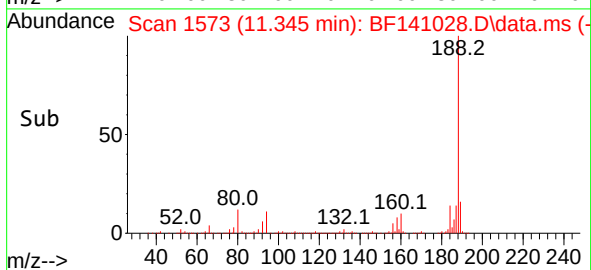
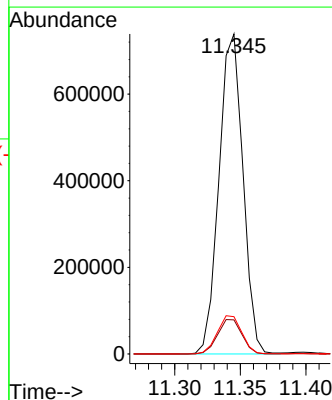
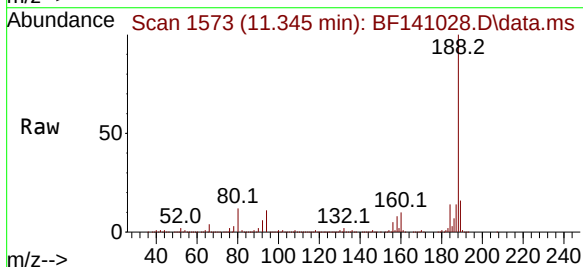
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

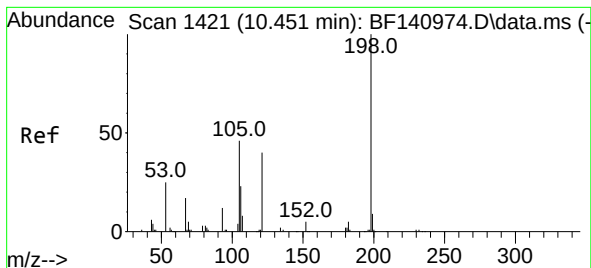
Tgt Ion:138 Resp: 72
Ion Ratio Lower Upper
138 100
92 2206.4 34.8 74.8#
108 127.6 55.9 95.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion:188 Resp: 938430
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.6
80 11.7 9.8 14.6

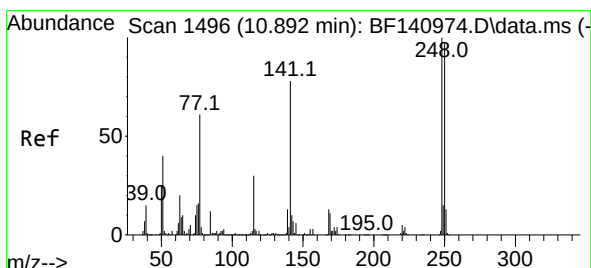
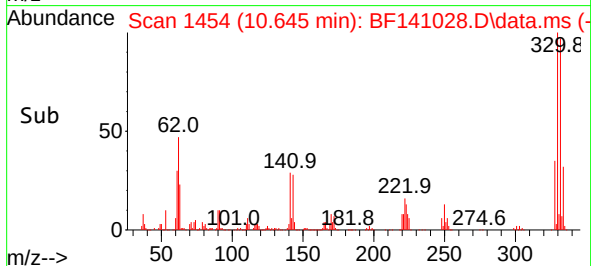
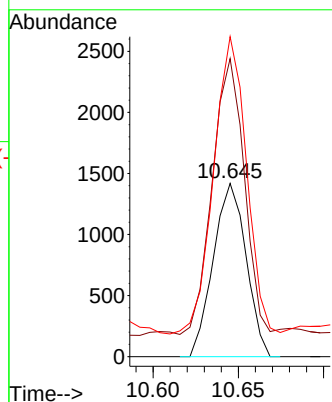
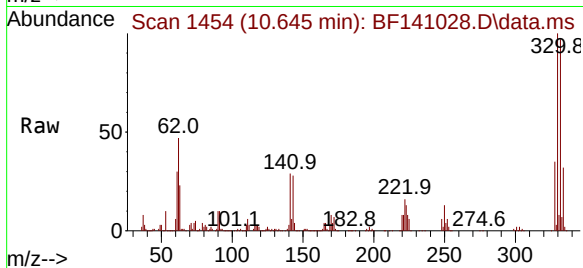




#65
4,6-Dinitro-2-methylphenol
Concen: 9.752 ng
RT: 10.645 min Scan# 1421
Delta R.T. 0.194 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

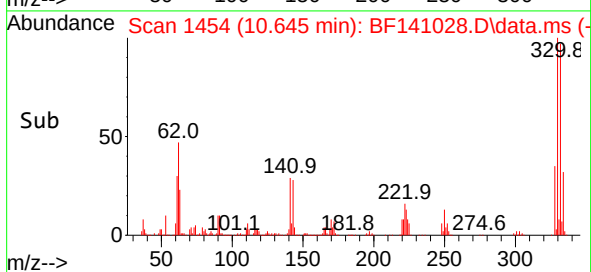
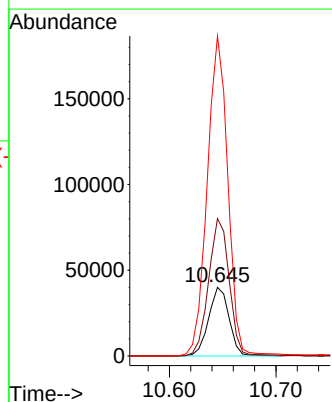
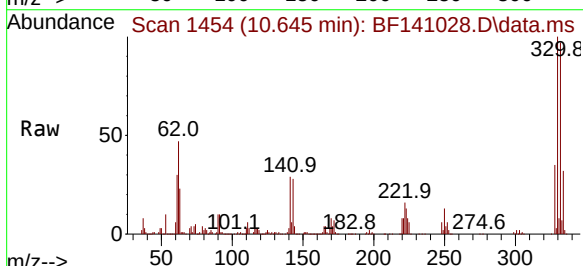
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

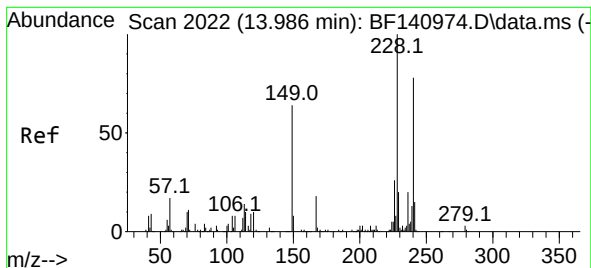
Tgt Ion:198 Resp: 1897
Ion Ratio Lower Upper
198 100
51 172.0 32.3 72.3#
105 184.6 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 5.258 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion:248 Resp: 53338
Ion Ratio Lower Upper
248 100
250 200.2 77.7 116.5#
141 465.8 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141028.D

Acq: 30 Dec 2024 13:29

Instrument :

BNA_F

ClientSampleId :

TAPIAL3-IDW-SOIL-122024-T1

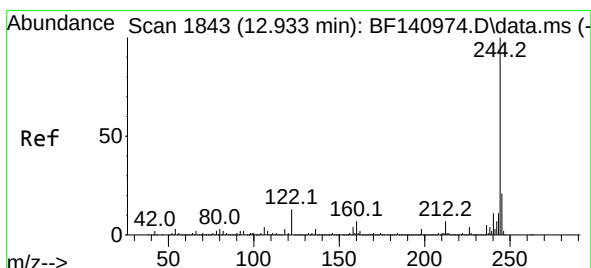
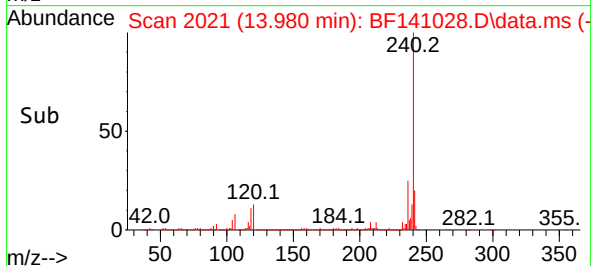
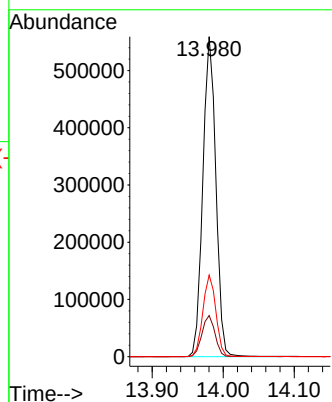
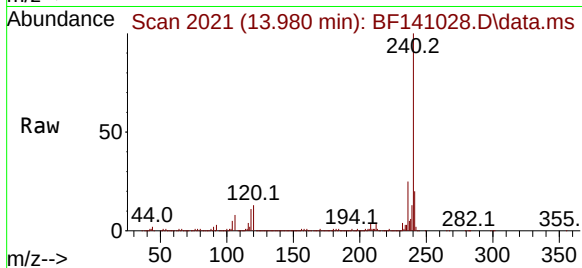
Tgt Ion:240 Resp: 714431

Ion Ratio Lower Upper

240 100

120 12.9 10.7 16.1

236 25.5 20.6 31.0



#79

Terphenyl-d14

Concen: 90.667 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141028.D

Acq: 30 Dec 2024 13:29

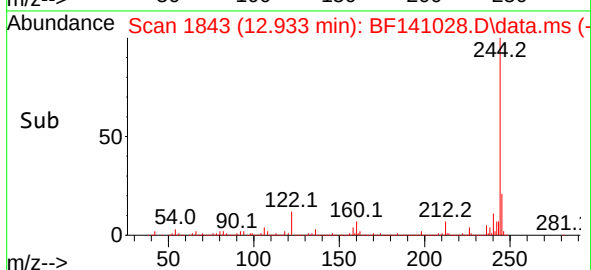
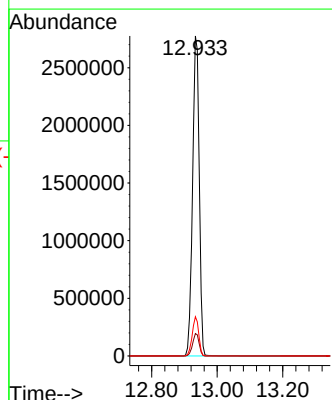
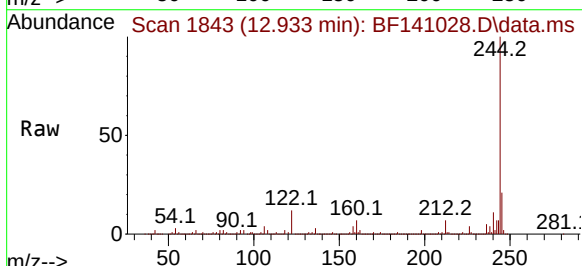
Tgt Ion:244 Resp: 3899798

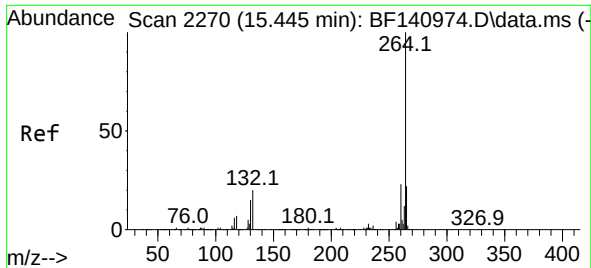
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

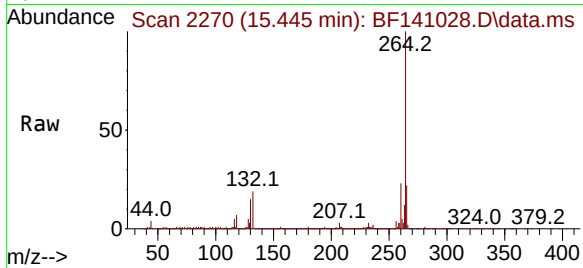
122 12.3 10.2 15.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



Tgt Ion:264 Resp: 541596
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 21.6 17.4 26.2

