

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141033.D
 Acq On : 30 Dec 2024 16:20
 Operator : RC/JU
 Sample : P5362-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219

Quant Time: Dec 30 16:40:42 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)

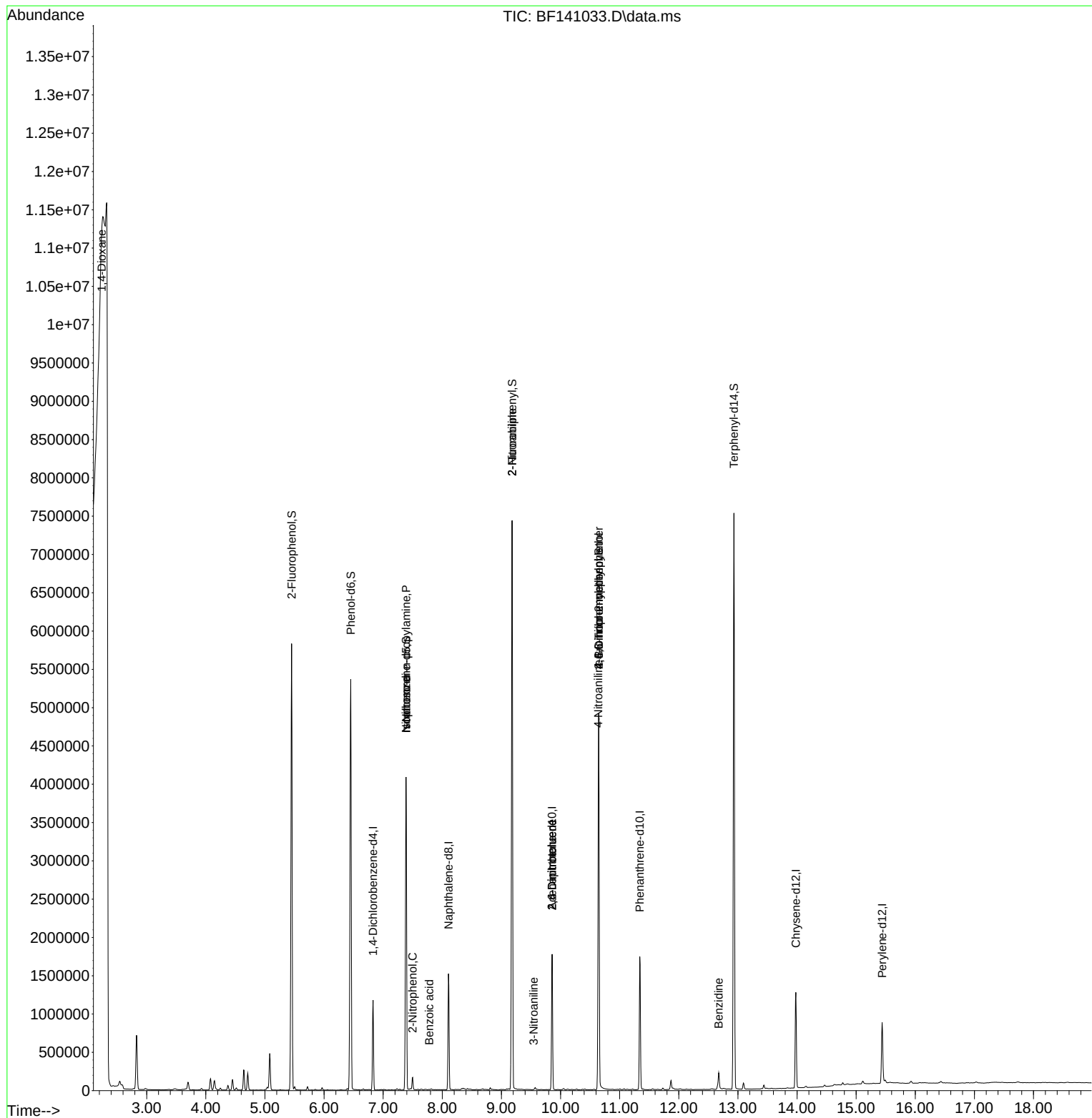
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	234997	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	939786	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	505899	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	867838	20.000	ng	0.00
76) Chrysene-d12	13.980	240	598109	20.000	ng	0.00
86) Perylene-d12	15.439	264	465570	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	2351711	150.849	ng	0.02
7) Phenol-d6	6.451	99	2856863	142.253	ng	0.00
23) Nitrobenzene-d5	7.387	82	1917940	130.568	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	934286	190.056	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	3278771	103.259	ng	0.00
79) Terphenyl-d14	12.933	244	3790460	105.264	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.240	88	28704	4.067	ng	# 24
9) Benzaldehyde	6.375	77	705	Below Cal		88
19) n-Nitroso-di-n-propyla...	7.387	70	260365	21.162	ng	# 79
25) Isophorone	7.387	82	1909280	59.731	ng	# 65
26) 2-Nitrophenol	7.498	139	929	5.424	ng	# 48
32) Benzoic acid	7.781	122	1992	7.867	ng	92
48) 2-Nitroaniline	9.181	65	5861	5.317	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	67232	12.807	ng	# 23
53) 3-Nitroaniline	9.545	138	126	3.281	ng	# 89
57) 2,4-Dinitrotoluene	9.857	165	67233	11.837	ng	# 21
62) 4-Nitroaniline	10.639	138	114	3.360	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.645	198	1670	9.732	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	58722	6.259	ng	# 1
77) Benzidine	12.675	184	114420	9.052	ng	99

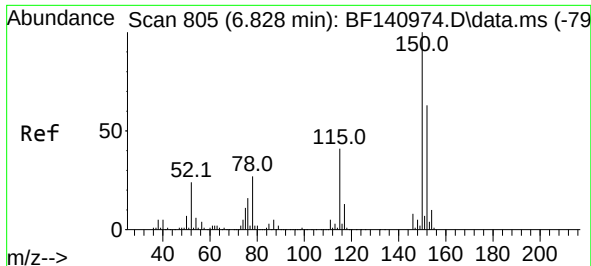
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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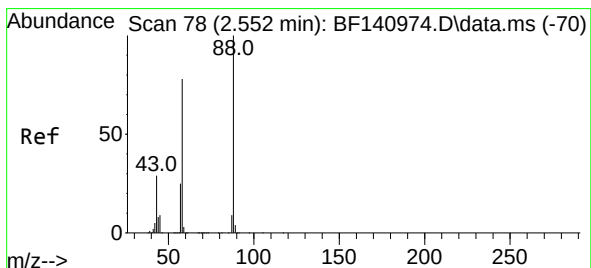
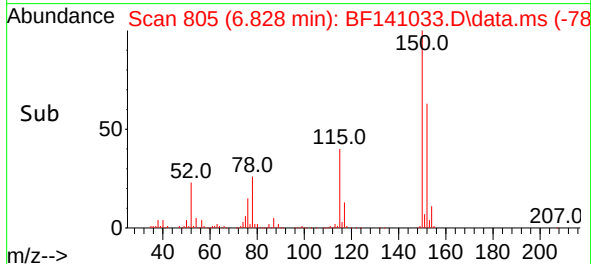
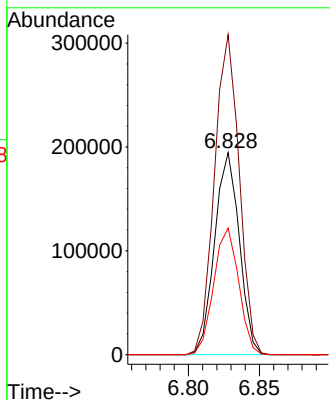
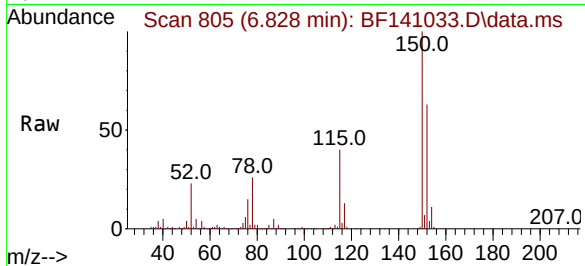




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF141033.D
 Acq: 30 Dec 2024 16:20

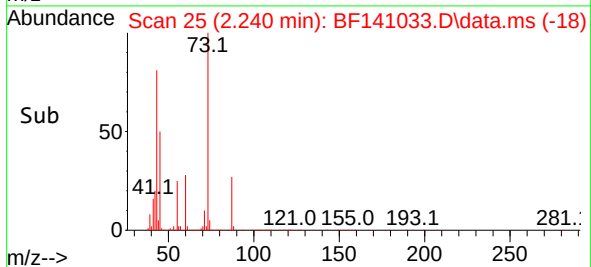
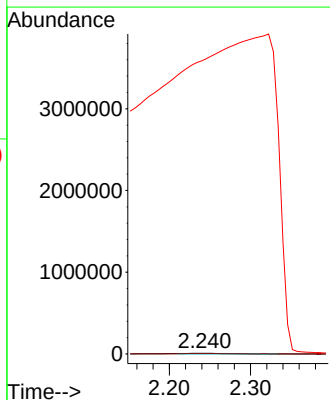
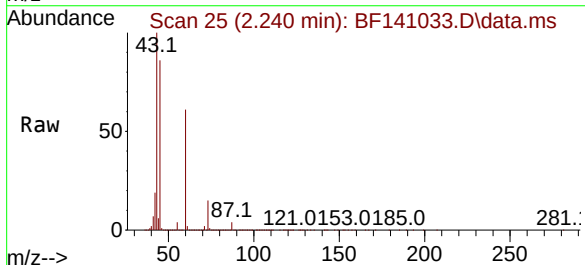
Instrument :
 BNA_F
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 WC-SOIL-20241219

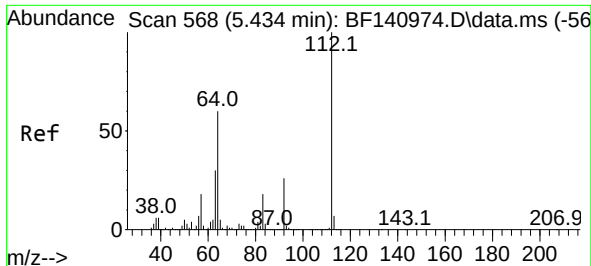
Tgt Ion:152 Resp: 234997
 Ion Ratio Lower Upper
 152 100
 150 158.3 127.0 190.6
 115 62.7 51.7 77.5



#2
 1,4-Dioxane
 Concen: 4.067 ng
 RT: 2.240 min Scan# 25
 Delta R.T. -0.312 min
 Lab File: BF141033.D
 Acq: 30 Dec 2024 16:20

Tgt Ion: 88 Resp: 28704
 Ion Ratio Lower Upper
 88 100
 58 4.9 63.0 94.4#
 43 0.0 23.4 35.2#

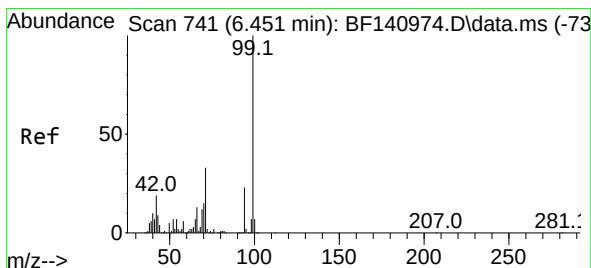
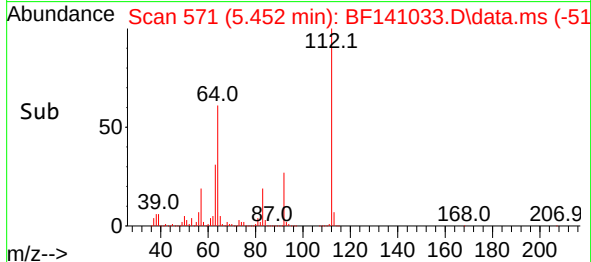
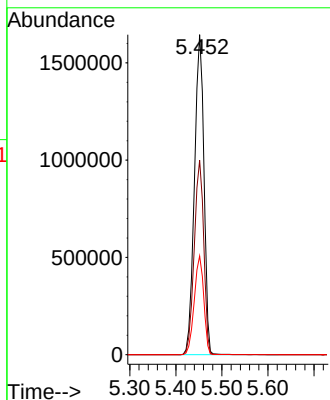
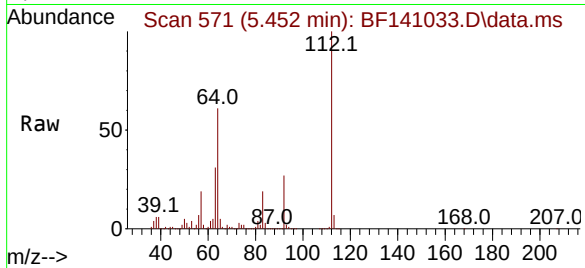




#5
2-Fluorophenol
Concen: 150.849 ng
RT: 5.452 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

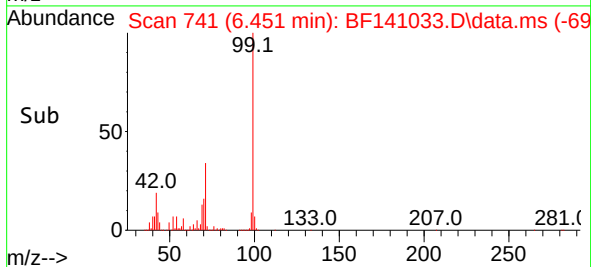
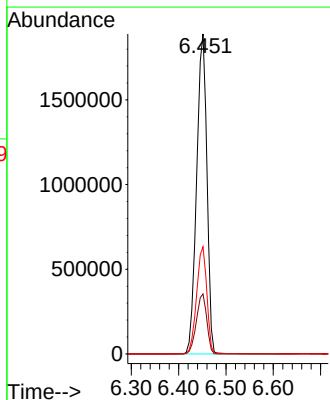
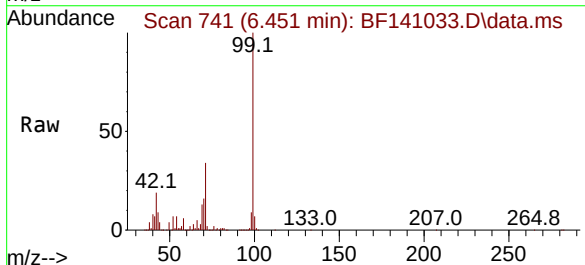
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BNA_F
ClientSampleId :
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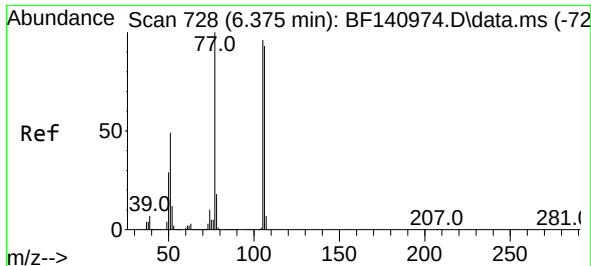
Tgt Ion:112 Resp: 2351711
Ion Ratio Lower Upper
112 100
64 60.8 47.7 71.5
63 30.9 24.2 36.2



#7
Phenol-d6
Concen: 142.253 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Tgt Ion: 99 Resp: 2856863
Ion Ratio Lower Upper
99 100
42 18.7 15.0 22.4
71 33.5 26.2 39.2

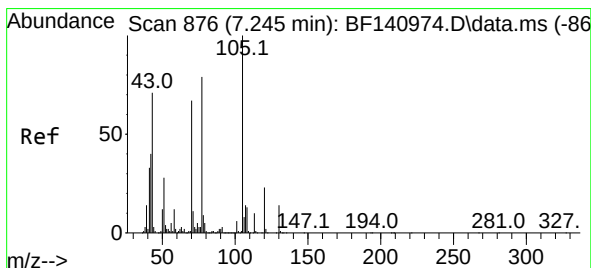
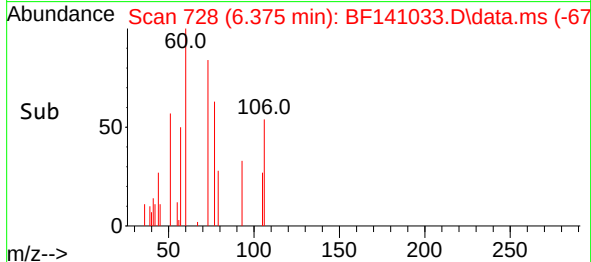
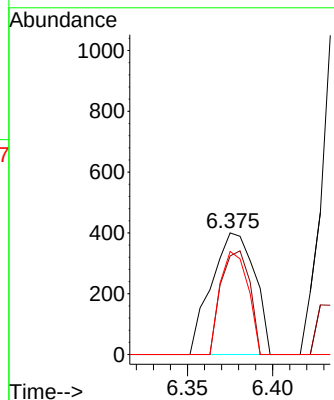
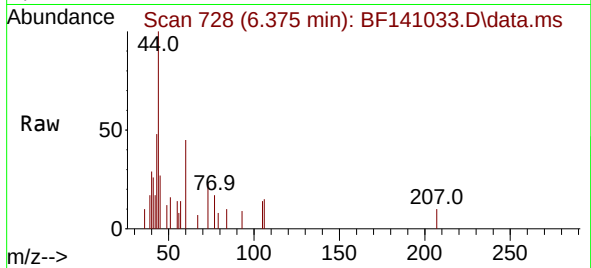




#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 705
Delta R.T. -0.000 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

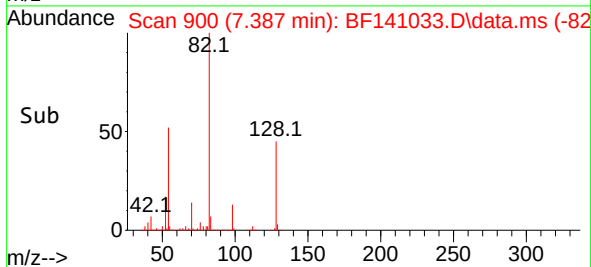
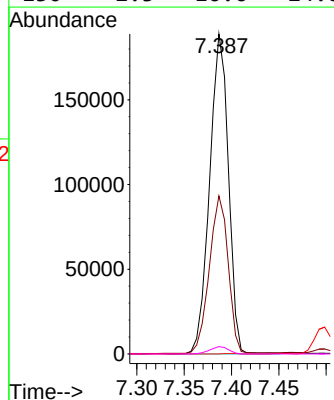
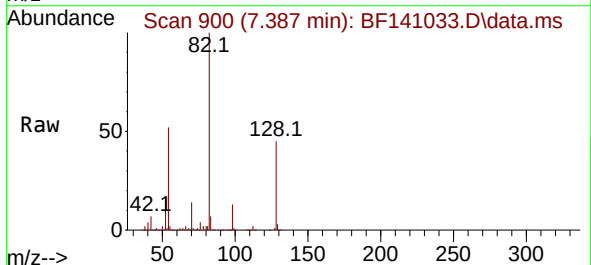
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

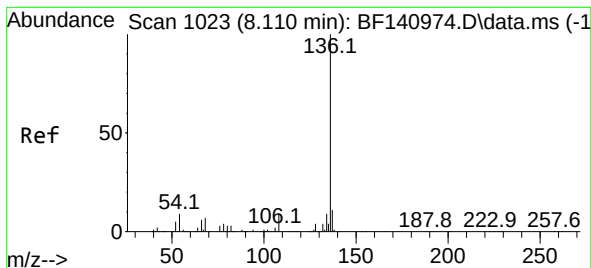
Tgt Ion: 77	Resp: 705		
Ion	Ratio	Lower	Upper
77	100		
105	81.0	76.2	116.2
106	84.7	73.4	113.4



#19
n-Nitroso-di-n-propylamine
Concen: 21.162 ng
RT: 7.387 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Tgt Ion: 70	Resp: 260365
Ion Ratio	Lower Upper
70 100	
42 49.4	48.1 72.1
101 0.0	7.6 11.4#
130 2.3	16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141033.D

Acq: 30 Dec 2024 16:20

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

Tgt Ion:136 Resp: 939786

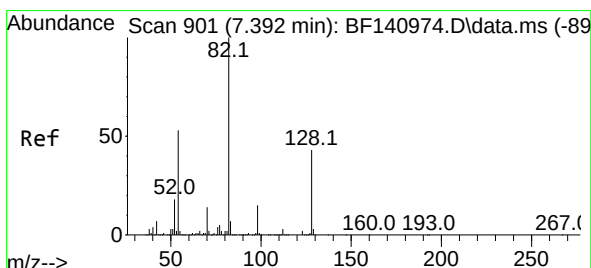
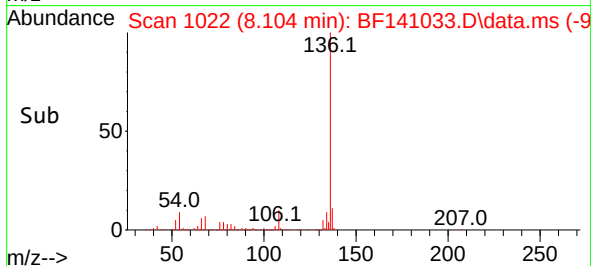
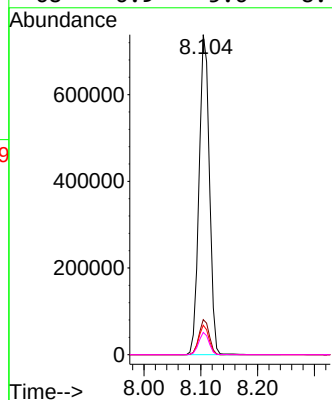
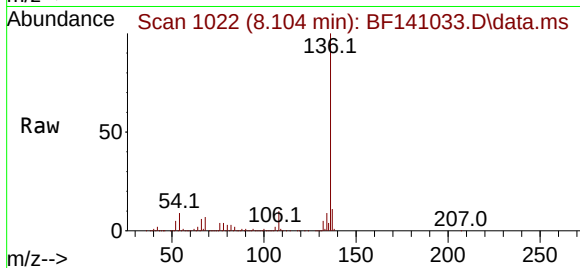
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 9.2 7.6 11.4

68 6.9 5.6 8.4



#23

Nitrobenzene-d5

Concen: 130.568 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141033.D

Acq: 30 Dec 2024 16:20

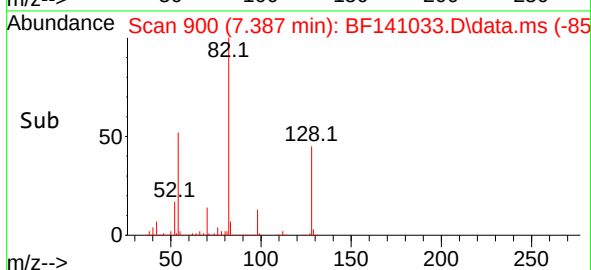
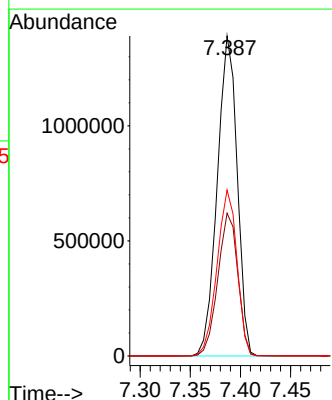
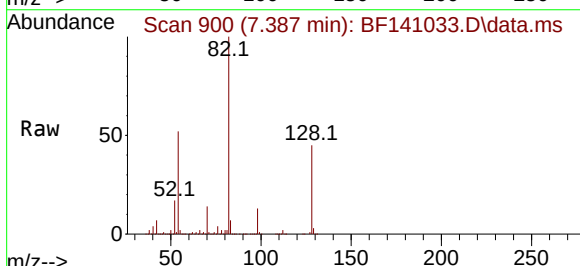
Tgt Ion: 82 Resp: 1917940

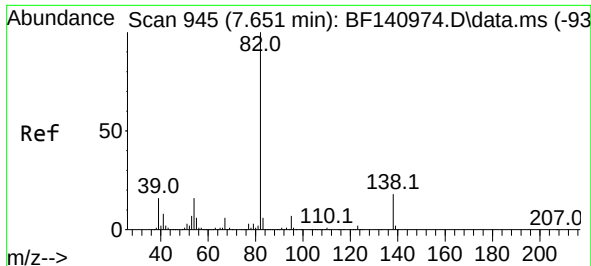
Ion Ratio Lower Upper

82 100

128 44.6 34.4 51.6

54 51.9 42.4 63.6

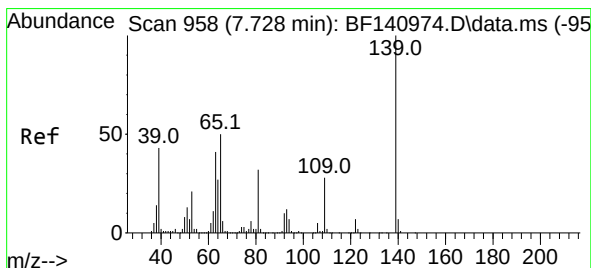
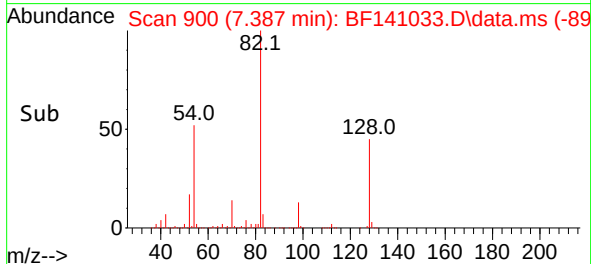
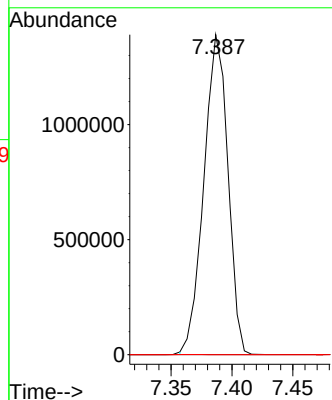
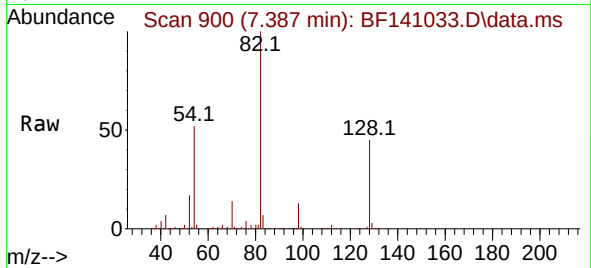




#25
Isophorone
Concen: 59.731 ng
RT: 7.387 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

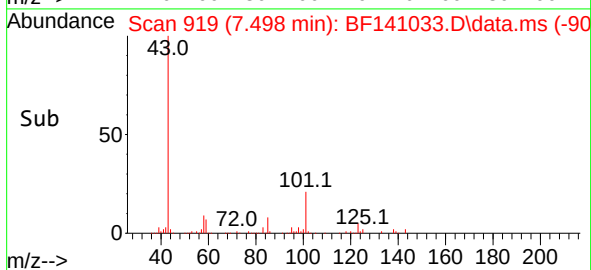
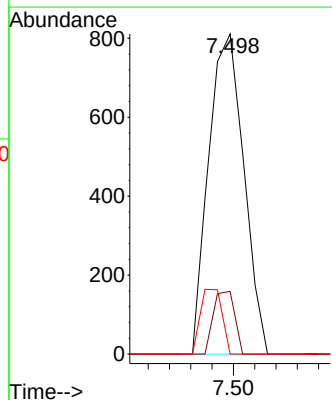
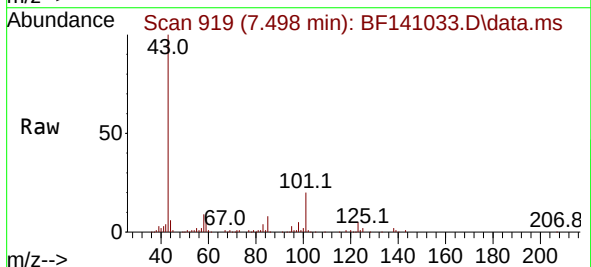
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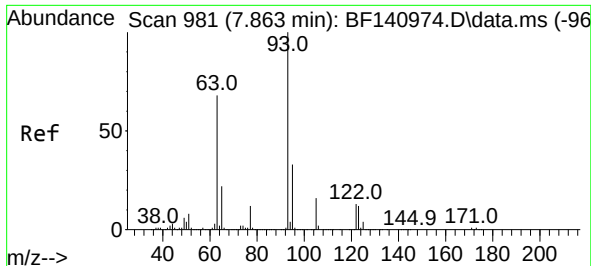
Tgt Ion: 82 Resp: 1909280
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#



#26
2-Nitrophenol
Concen: 5.424 ng
RT: 7.498 min Scan# 919
Delta R.T. -0.230 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Tgt Ion:139 Resp: 929
Ion Ratio Lower Upper
139 100
109 19.6 22.2 33.4#
65 0.0 40.2 60.4#

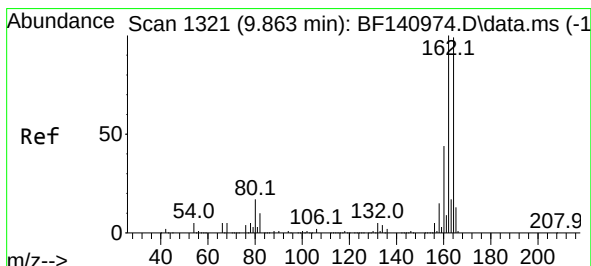
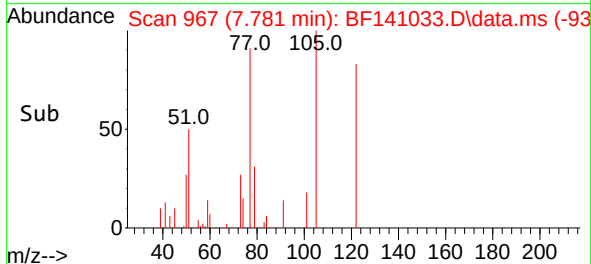
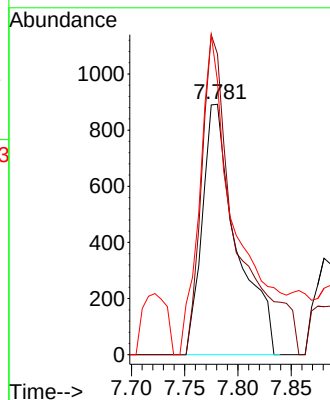
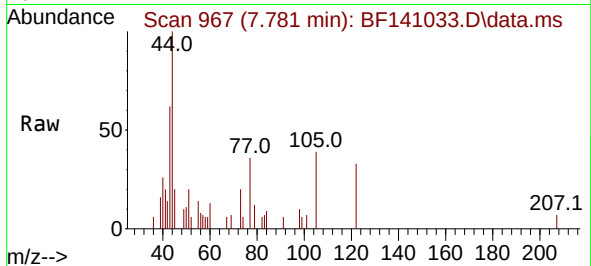




#32
Benzoic acid
Concen: 7.867 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.082 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

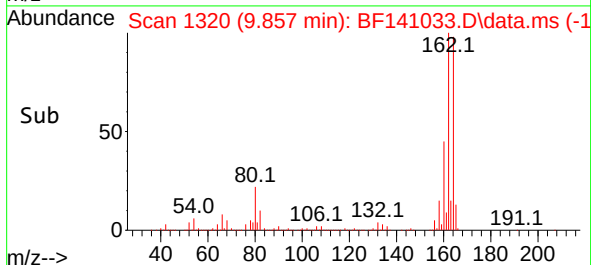
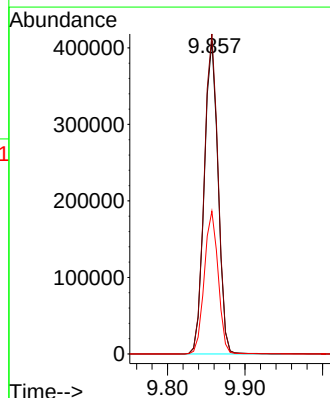
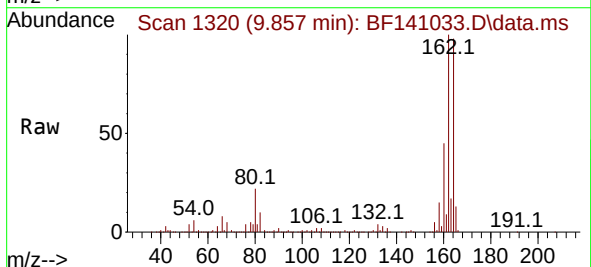
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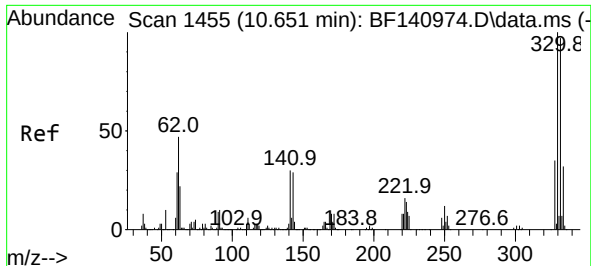
Tgt Ion:122 Resp: 1992
Ion Ratio Lower Upper
122 100
105 120.1 105.4 145.4
77 109.2 76.4 116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Tgt Ion:164 Resp: 505899
Ion Ratio Lower Upper
164 100
162 102.2 80.6 120.8
160 45.6 35.7 53.5

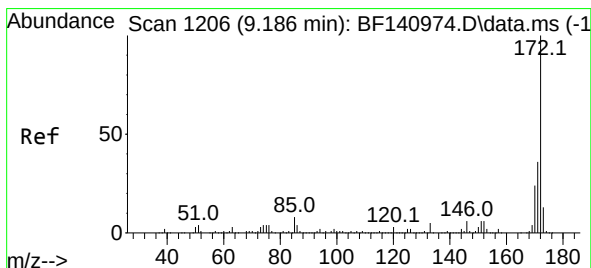
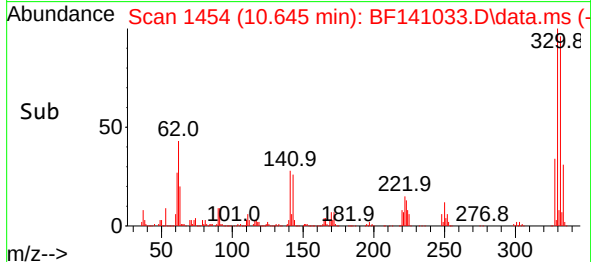
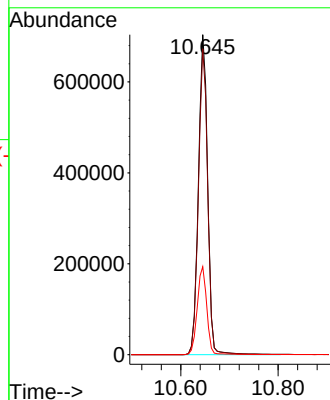
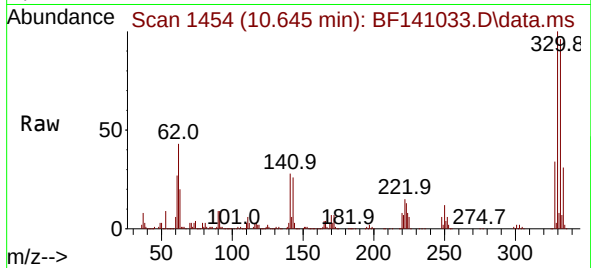




#42
2,4,6-Tribromophenol
Concen: 190.056 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

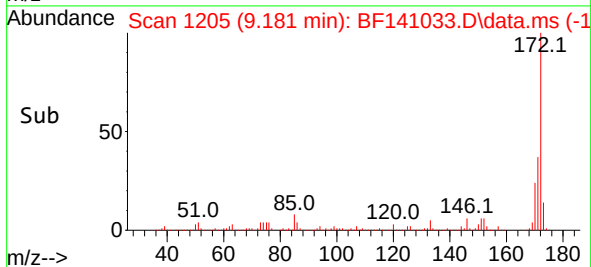
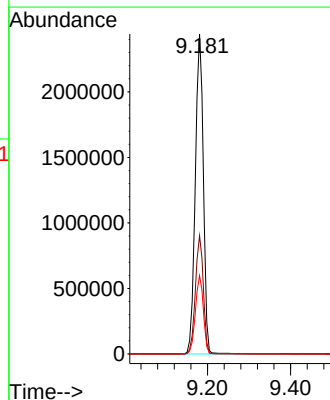
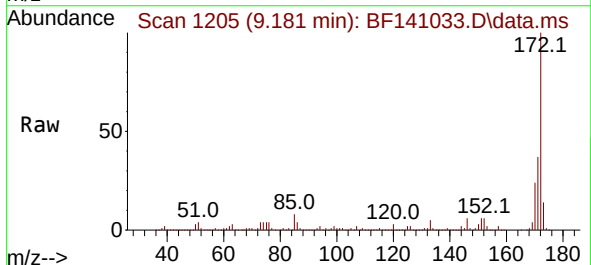
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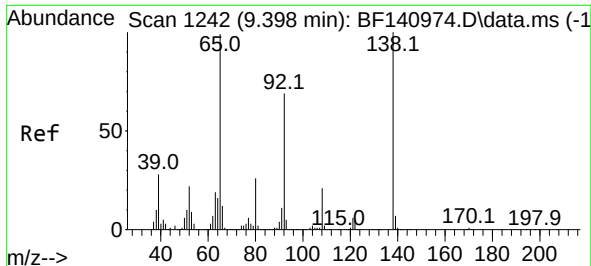
Tgt Ion:330 Resp: 934286
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 28.5 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 103.259 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Tgt Ion:172 Resp: 3278771
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.4
170 24.5 19.6 29.4





#48

2-Nitroaniline

Concen: 5.317 ng

RT: 9.181 min Scan# 11

Delta R.T. -0.217 min

Lab File: BF141033.D

Acq: 30 Dec 2024 16:20

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

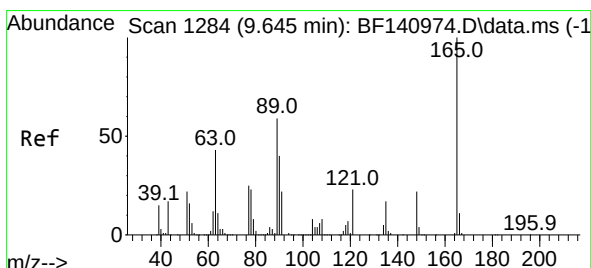
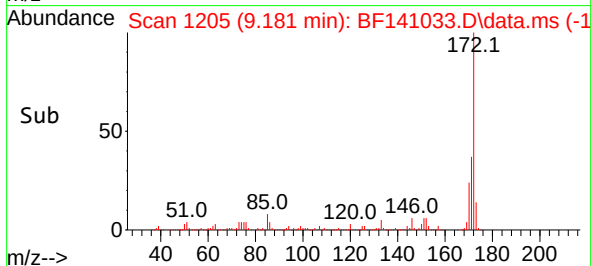
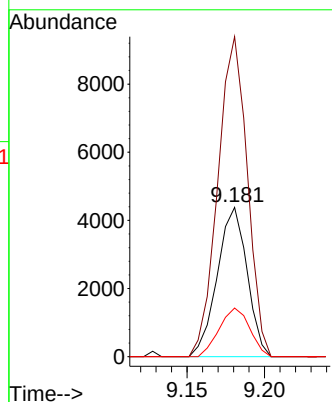
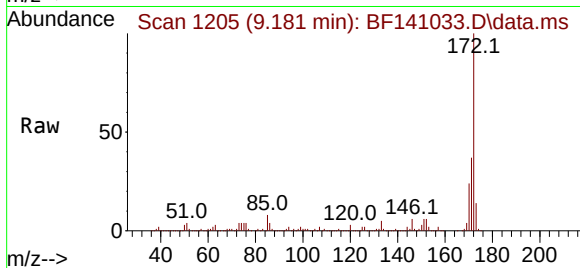
Tgt Ion: 65 Resp: 5861

Ion Ratio Lower Upper

65 100

92 214.3 55.6 83.4#

138 32.6 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 12.807 ng

RT: 9.857 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF141033.D

Acq: 30 Dec 2024 16:20

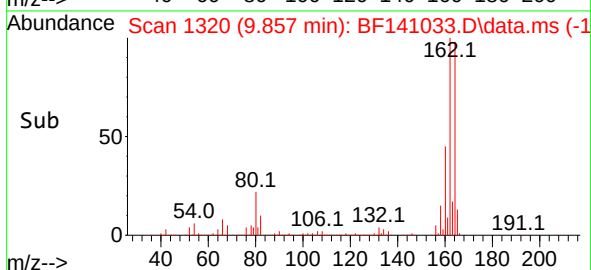
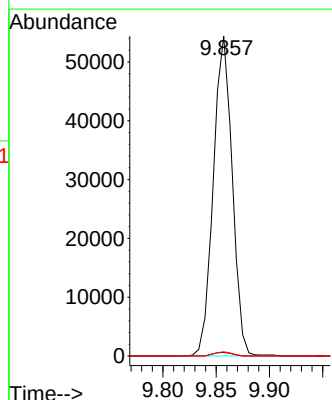
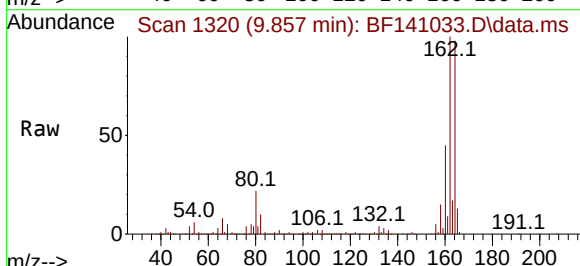
Tgt Ion: 165 Resp: 67232

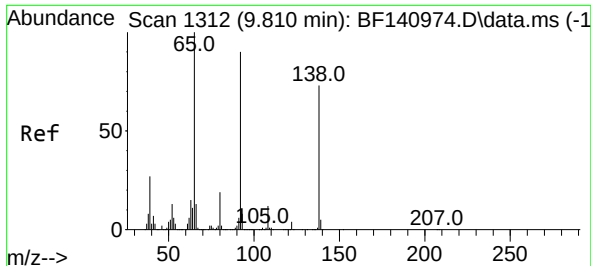
Ion Ratio Lower Upper

165 100

63 1.1 47.1 70.7#

89 1.3 47.0 70.4#

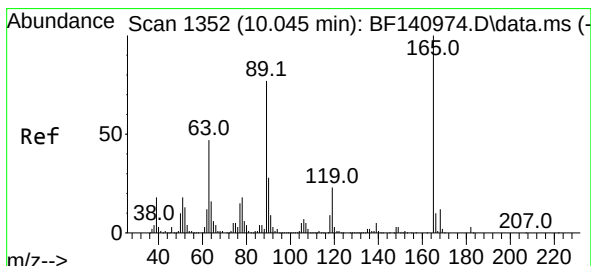
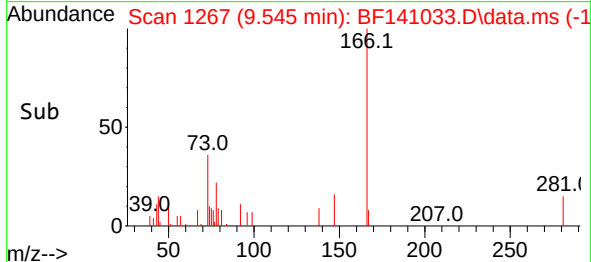
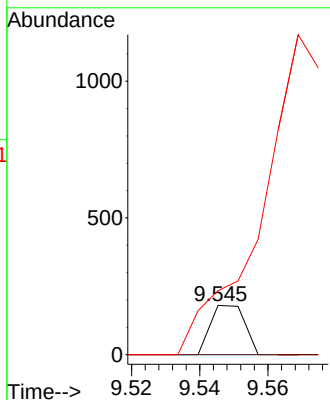
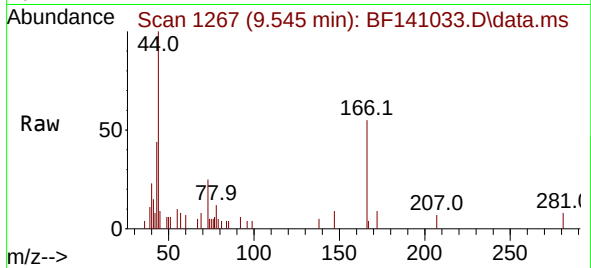




#53
3-Nitroaniline
Concen: 3.281 ng
RT: 9.545 min Scan# 11
Delta R.T. -0.265 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

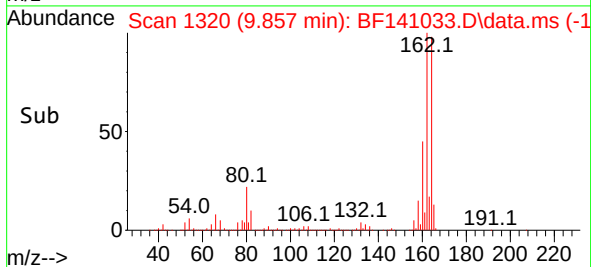
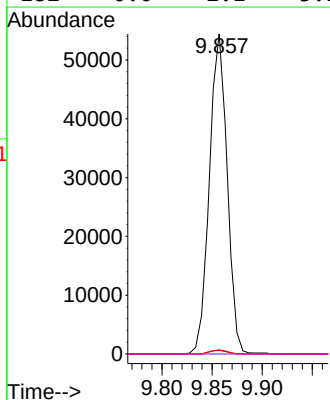
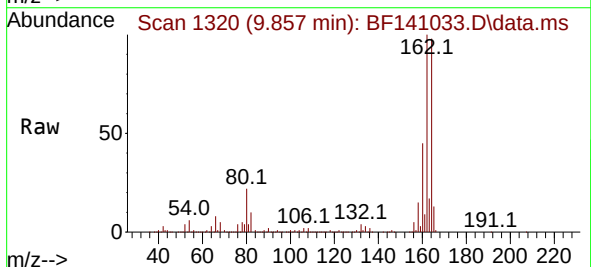
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

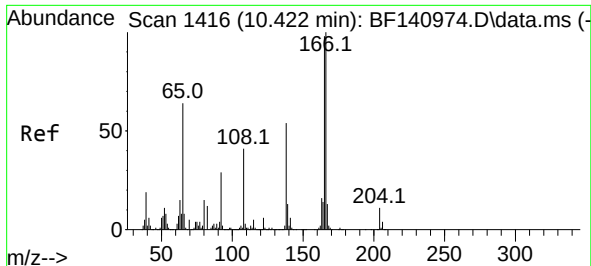
Tgt Ion:138 Resp: 126
Ion Ratio Lower Upper
138 100
108 0.0 13.5 20.3#
92 130.0 97.7 146.5



#57
2,4-Dinitrotoluene
Concen: 11.837 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Tgt Ion:165 Resp: 67233
Ion Ratio Lower Upper
165 100
63 1.1 38.1 57.1#
89 1.3 61.4 92.2#
182 0.0 2.1 3.1#

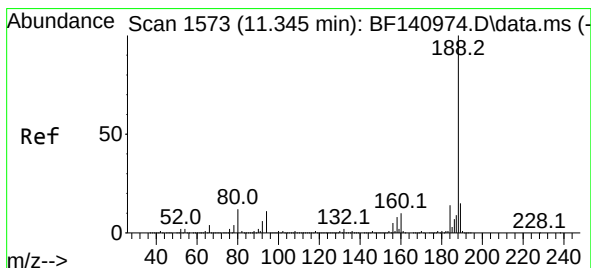
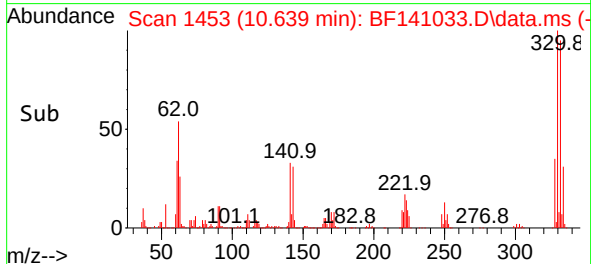
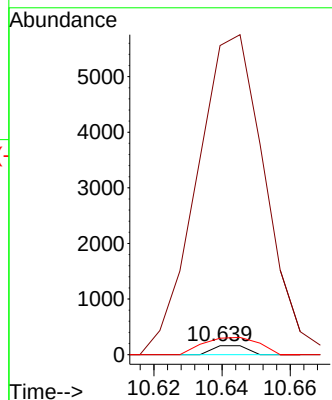
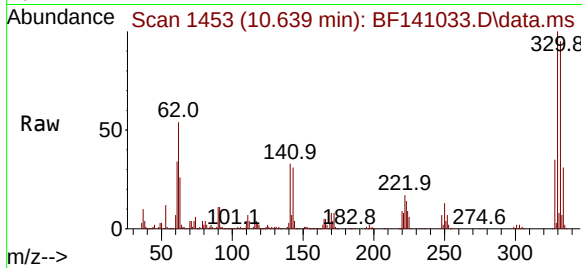




#62
4-Nitroaniline
Concen: 3.360 ng
RT: 10.639 min Scan# 1416
Delta R.T. 0.217 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

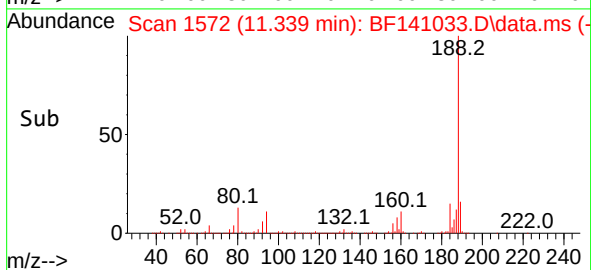
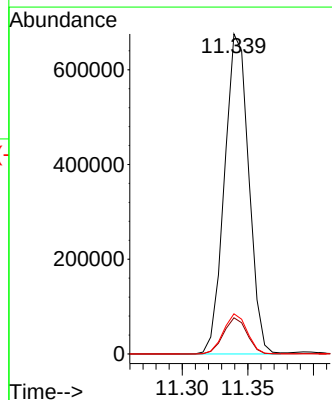
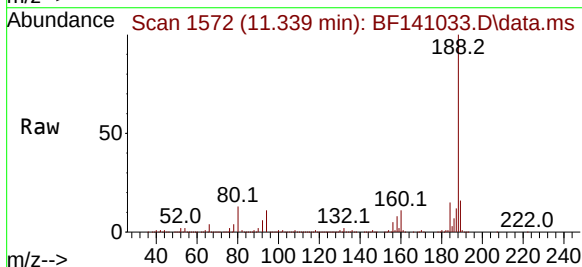
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

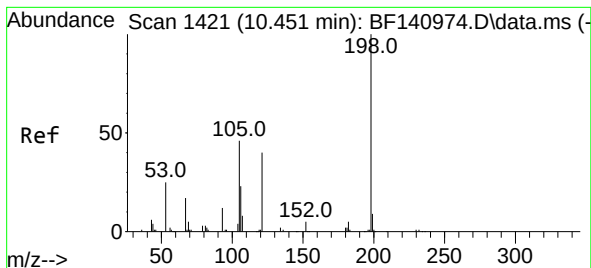
Tgt Ion:138 Resp: 114
Ion Ratio Lower Upper
138 100
92 3453.4 34.8 74.8#
108 183.9 55.9 95.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Tgt Ion:188 Resp: 867838
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 12.5 9.8 14.6

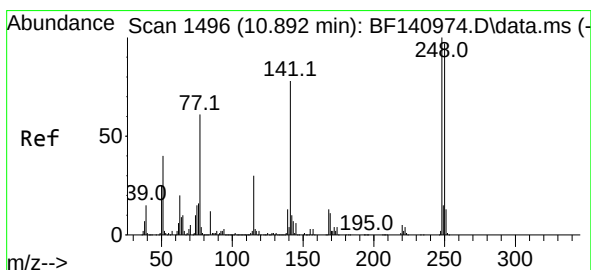
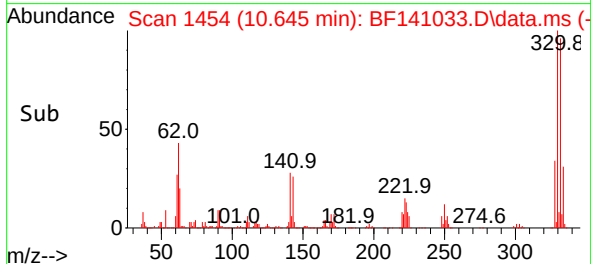
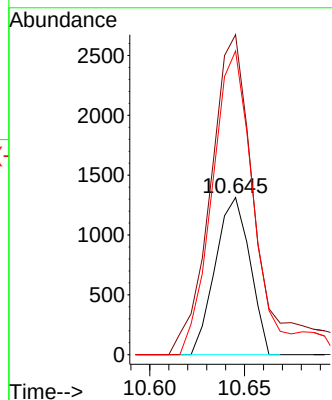
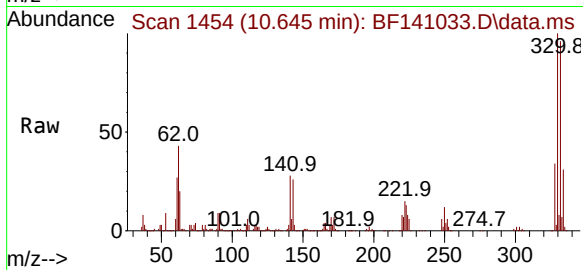




#65
4,6-Dinitro-2-methylphenol
Concen: 9.732 ng
RT: 10.645 min Scan# 1454
Delta R.T. 0.194 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

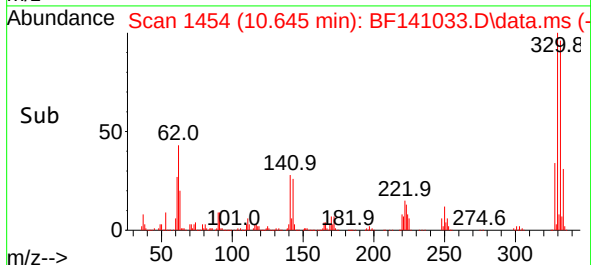
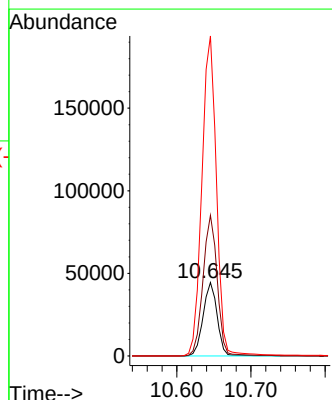
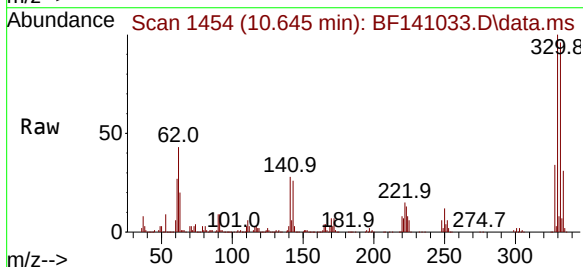
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

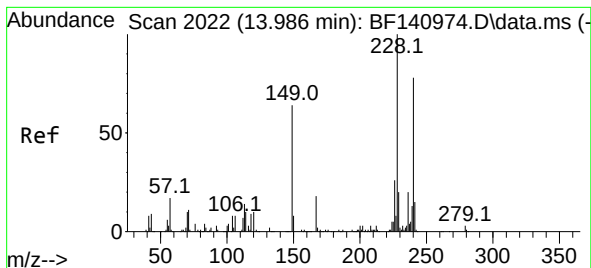
Tgt Ion:198 Resp: 1670
Ion Ratio Lower Upper
198 100
51 203.7 32.3 72.3#
105 193.3 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 6.259 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141033.D
Acq: 30 Dec 2024 16:20

Tgt Ion:248 Resp: 58722
Ion Ratio Lower Upper
248 100
250 191.7 77.7 116.5#
141 436.0 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: BF141033.D

Acq: 30 Dec 2024 16:20

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

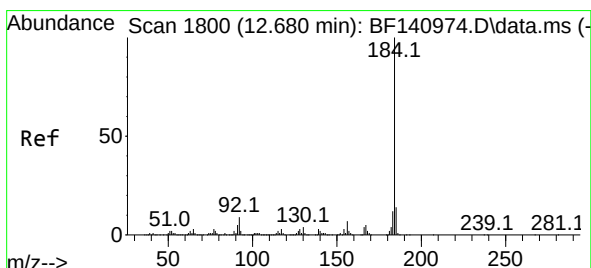
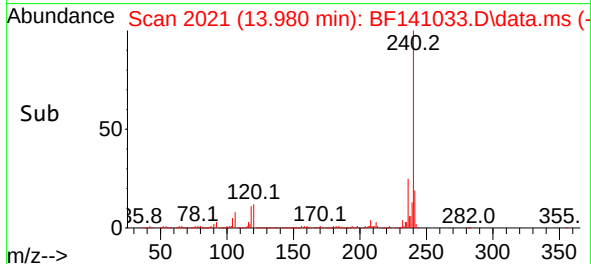
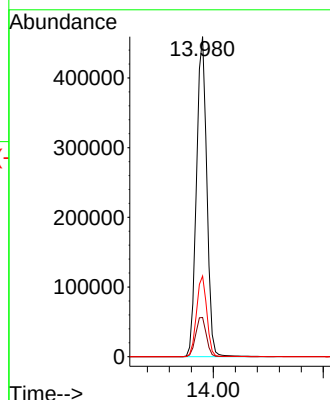
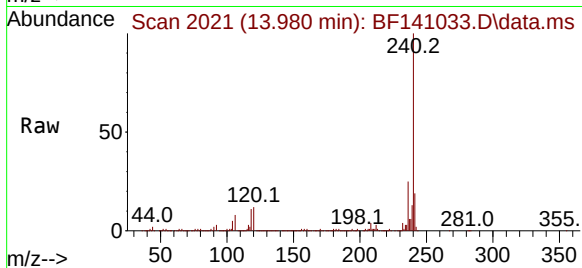
Tgt Ion:240 Resp: 598109

Ion Ratio Lower Upper

240 100

120 12.3 10.7 16.1

236 25.2 20.6 31.0



#77

Benzidine

Concen: 9.052 ng

RT: 12.675 min Scan# 1799

Delta R.T. -0.006 min

Lab File: BF141033.D

Acq: 30 Dec 2024 16:20

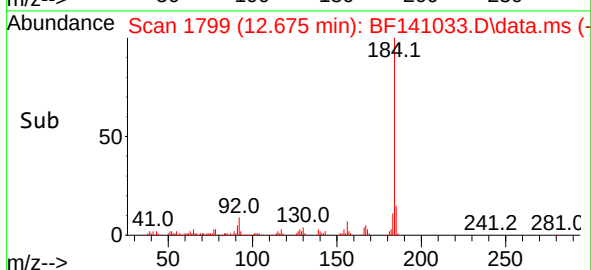
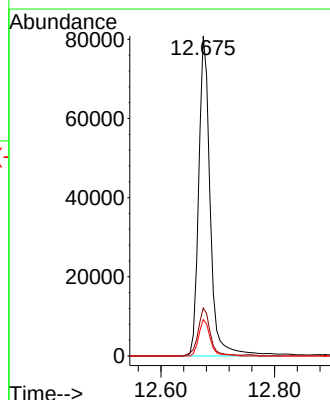
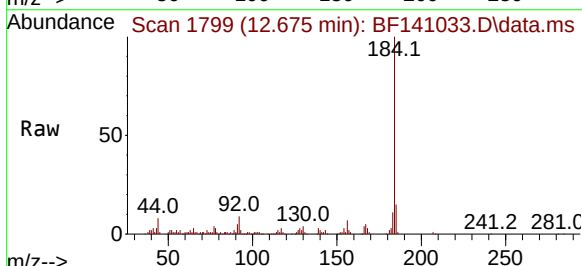
Tgt Ion:184 Resp: 114420

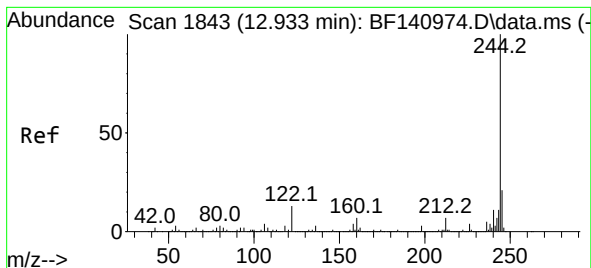
Ion Ratio Lower Upper

184 100

185 15.0 11.4 17.2

183 11.4 9.4 14.0





#79

Terphenyl-d14

Concen: 105.264 ng

RT: 12.933 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141033.D

Acq: 30 Dec 2024 16:20

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219

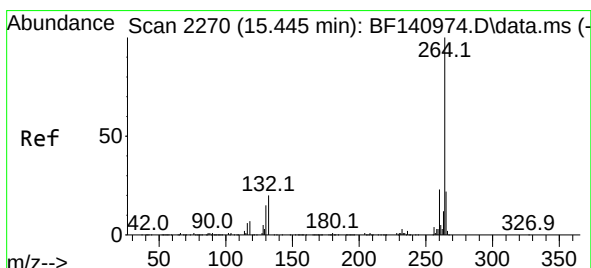
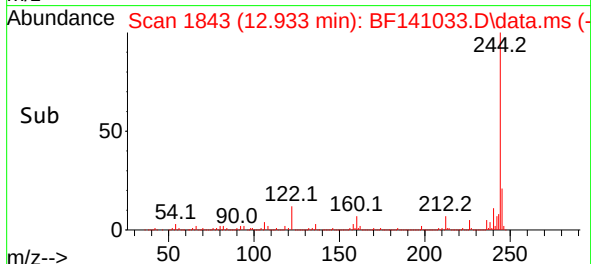
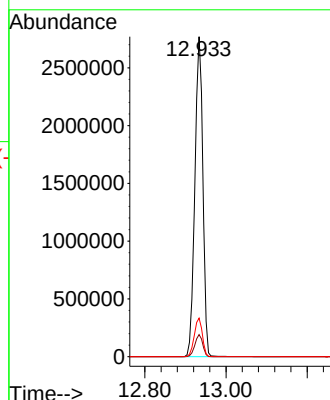
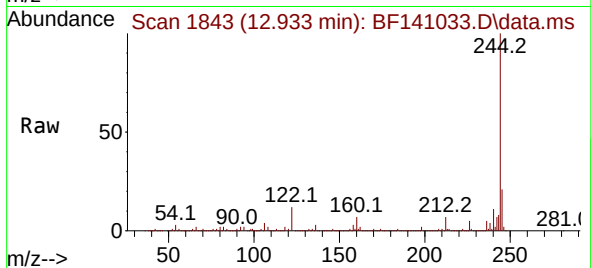
Tgt Ion:244 Resp: 3790460

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 12.0 10.2 15.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF141033.D

Acq: 30 Dec 2024 16:20

Tgt Ion:264 Resp: 465570

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.7 17.4 26.2

