

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141543.D
 Acq On : 10 Feb 2025 19:01
 Operator : RC/JU
 Sample : Q1344-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Quant Time: Feb 11 00:07:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

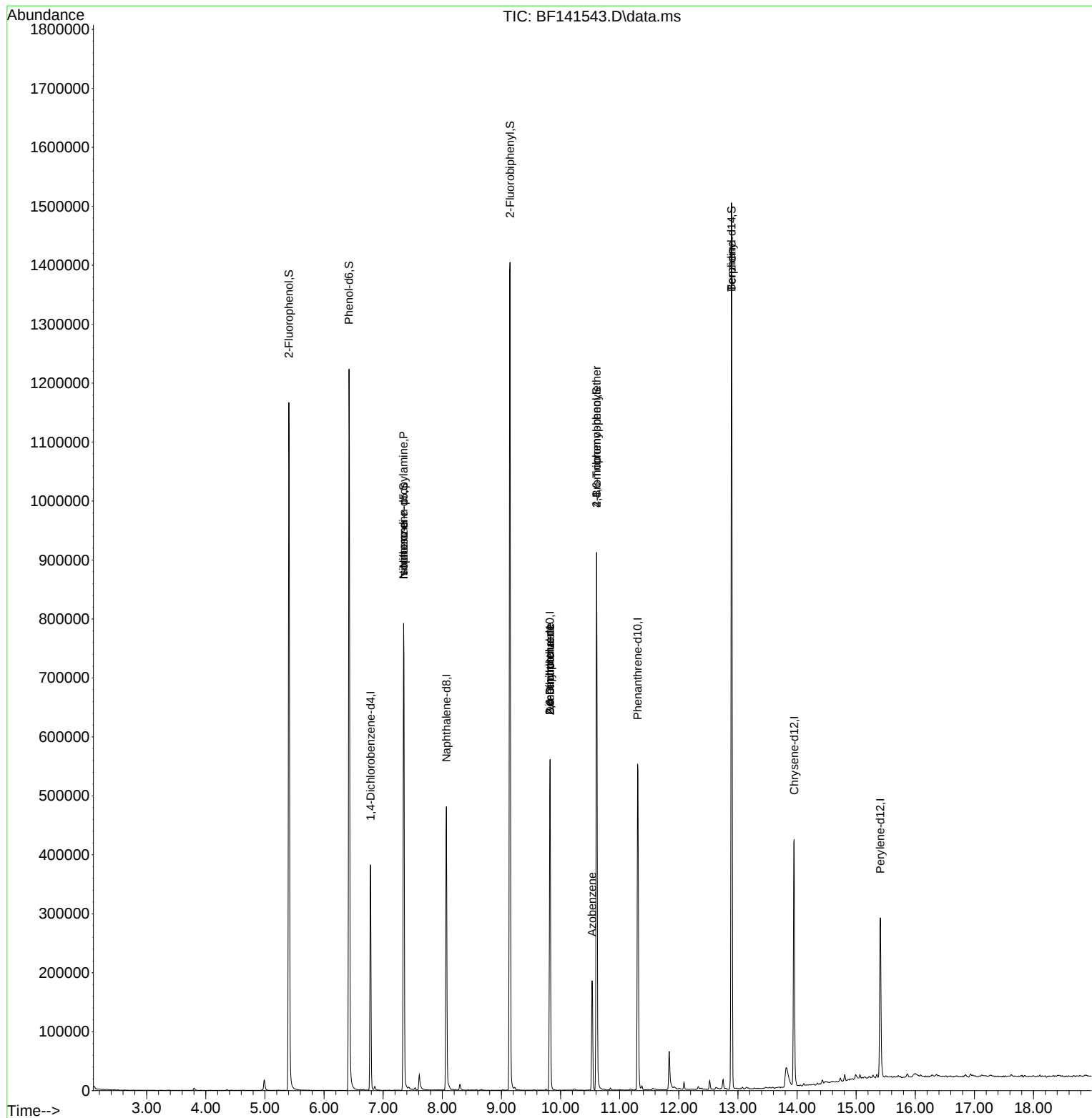
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	77312	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	315193	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	169743	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	304254	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	211666	20.000	ng	-0.01
86) Perylene-d12	15.410	264	163016	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	428051	86.801	ng	0.00
7) Phenol-d6	6.422	99	532817	85.485	ng	-0.02
23) Nitrobenzene-d5	7.345	82	348432	57.659	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	143436	84.120	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	636788	57.797	ng	0.00
79) Terphenyl-d14	12.892	244	726818	57.968	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	46795	12.551	ng	# 77
25) Isophorone	7.345	82	337456	35.022	ng	# 66
50) Dimethylphthalate	9.822	163	26547	2.304	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	21646	8.593	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	21646	6.455	ng	# 18
63) Azobenzene	10.533	77	47120	4.181	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	10346	3.043	ng	# 1
77) Benzidine	12.892	184	9469	2.028	ng	# 91

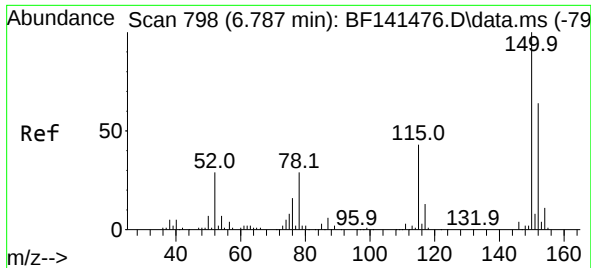
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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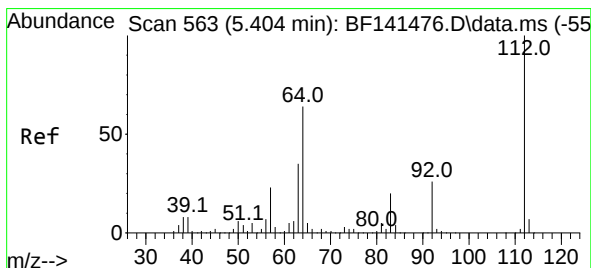
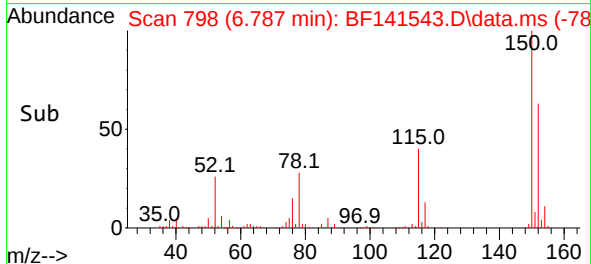
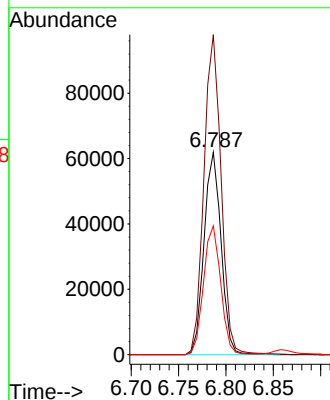
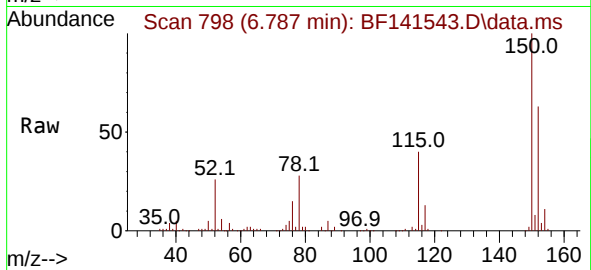




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141543.D
 Acq: 10 Feb 2025 19:01

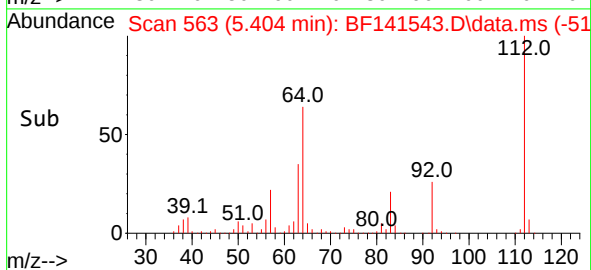
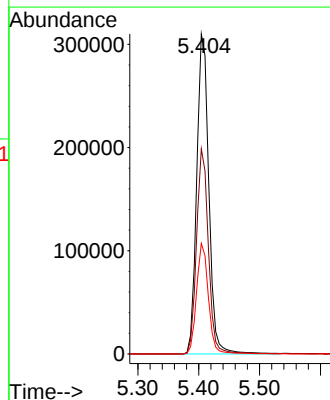
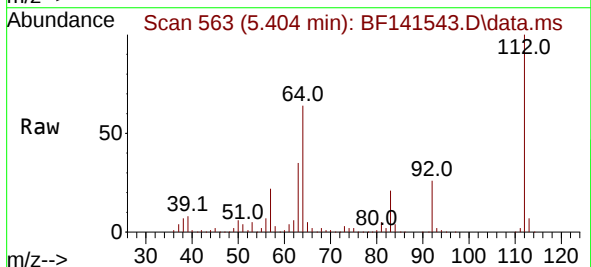
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Tgt Ion:152 Resp: 77312
 Ion Ratio Lower Upper
 152 100
 150 158.1 125.0 187.4
 115 63.6 53.6 80.4



#5
 2-Fluorophenol
 Concen: 86.801 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141543.D
 Acq: 10 Feb 2025 19:01

Tgt Ion:112 Resp: 428051
 Ion Ratio Lower Upper
 112 100
 64 64.1 51.1 76.7
 63 34.6 28.4 42.6





#7
Phenol-d6
Concen: 85.485 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141543.D
Acq: 10 Feb 2025 19:01

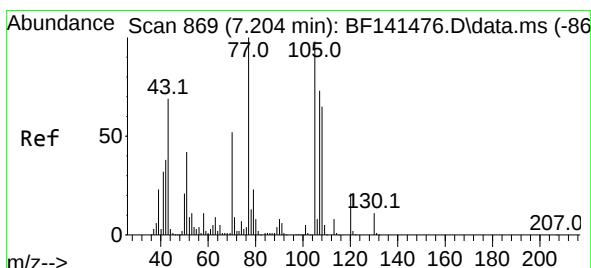
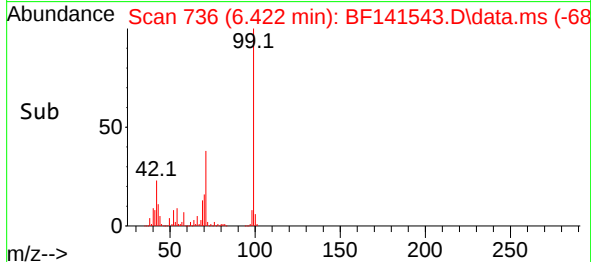
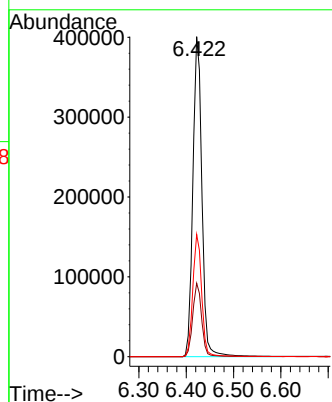
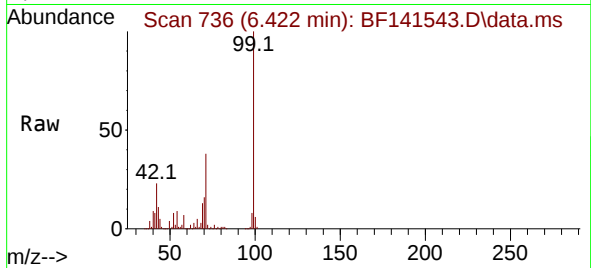
Instrument :

BNA_F

ClientSampleId :

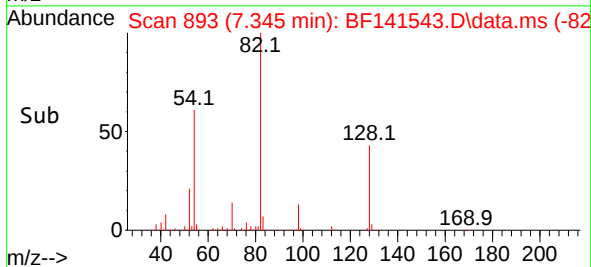
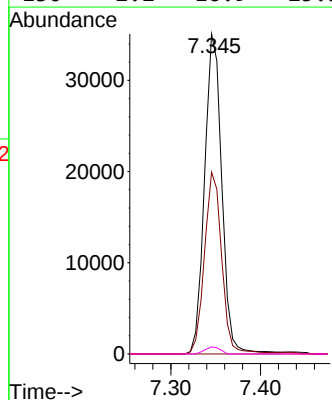
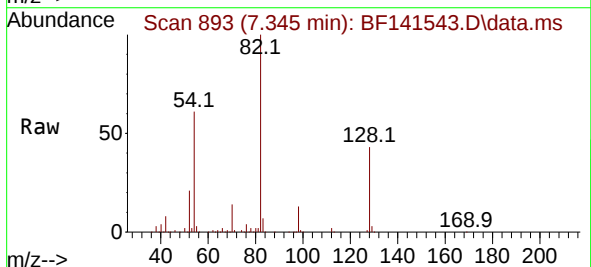
SOIL-2

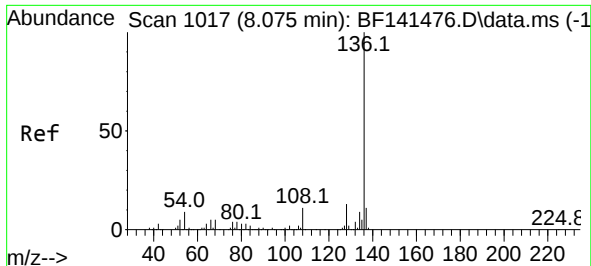
Tgt Ion: 99 Resp: 532817
Ion Ratio Lower Upper
99 100
42 22.9 19.1 28.7
71 38.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.551 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141543.D
Acq: 10 Feb 2025 19:01

Tgt Ion: 70 Resp: 46795
Ion Ratio Lower Upper
70 100
42 56.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#

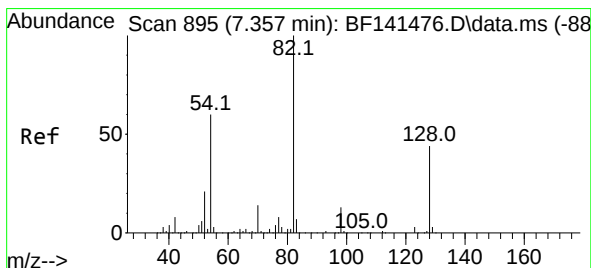
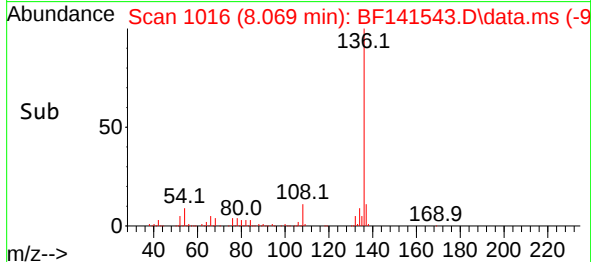
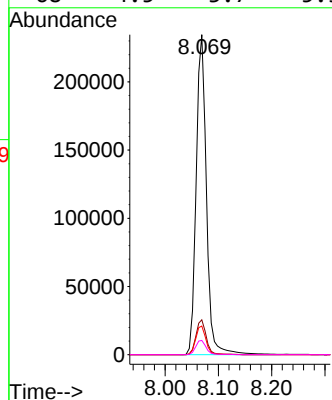
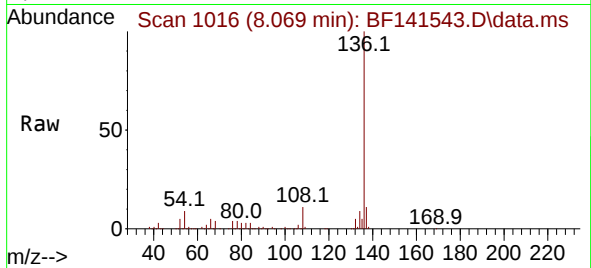




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141543.D
Acq: 10 Feb 2025 19:01

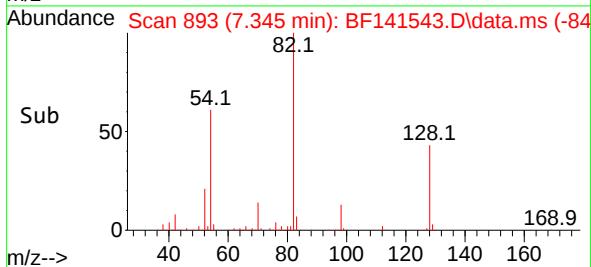
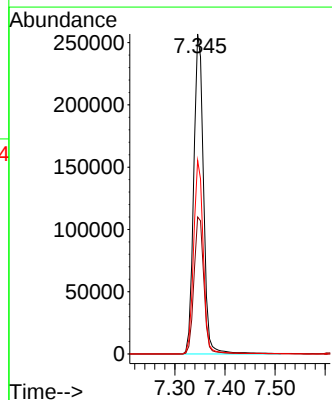
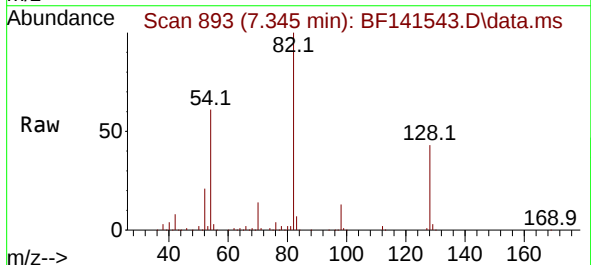
Instrument :
BNA_F
ClientSampleId :
SOIL-2

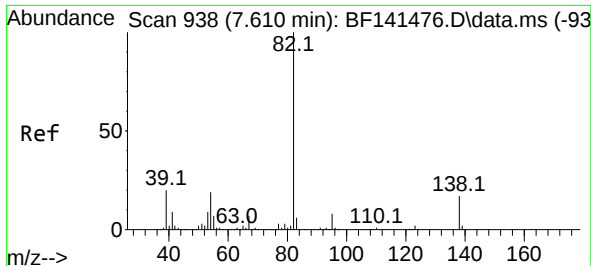
Tgt Ion:	136	Resp:	315193
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.0	7.2	10.8
68	4.5	3.7	5.5



#23
Nitrobenzene-d5
Concen: 57.659 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141543.D
Acq: 10 Feb 2025 19:01

Tgt Ion:	82	Resp:	348432
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.8	52.2
54	60.5	48.2	72.4

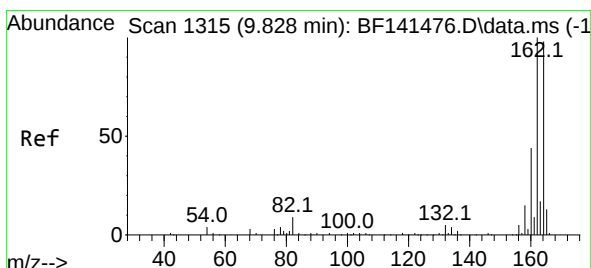
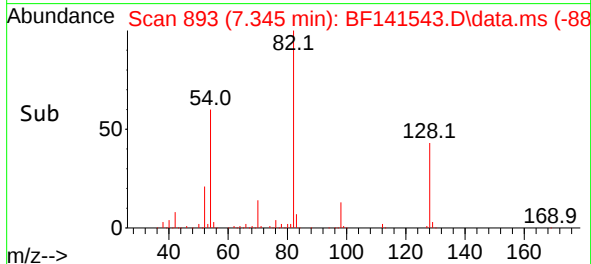
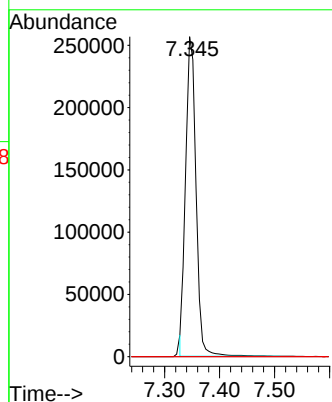
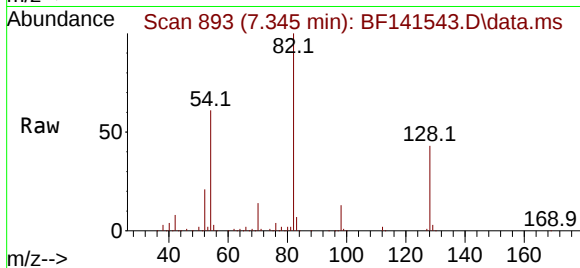




#25
Isophorone
Concen: 35.022 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141543.D
Acq: 10 Feb 2025 19:01

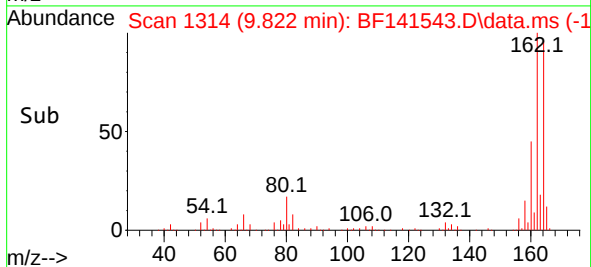
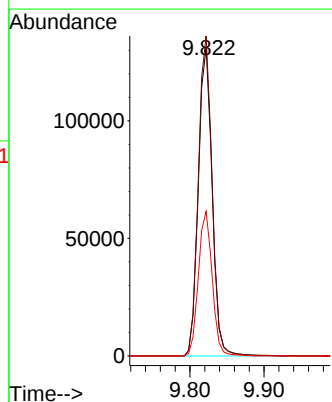
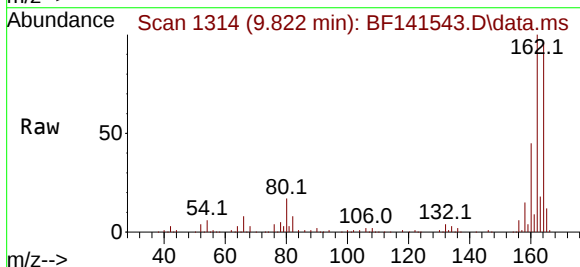
Instrument :
BNA_F
ClientSampleId :
SOIL-2

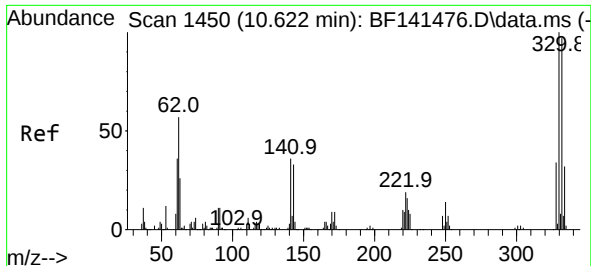
Tgt Ion: 82 Resp: 337456
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141543.D
Acq: 10 Feb 2025 19:01

Tgt Ion:164 Resp: 169743
Ion Ratio Lower Upper
164 100
162 103.8 81.3 121.9
160 46.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 84.120 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.017 min

Lab File: BF141543.D

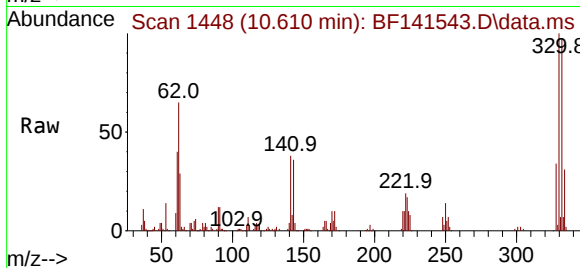
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Instrument :

BNA_F

ClientSampleId :

SOIL-2



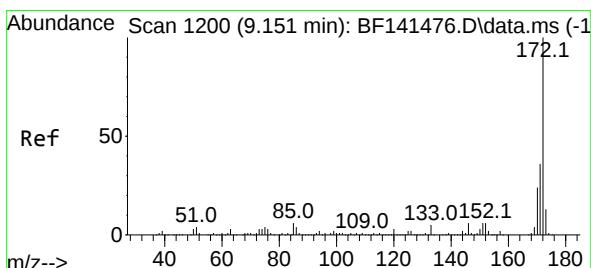
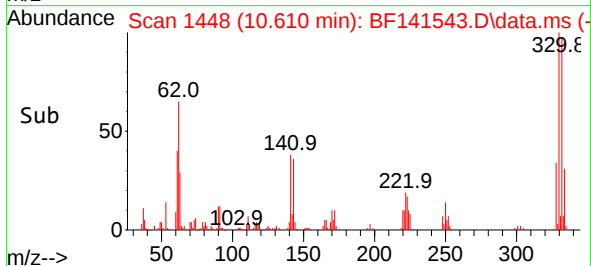
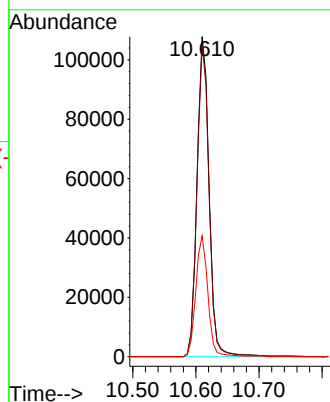
Tgt Ion:330 Resp: 143436

Ion Ratio Lower Upper

330 100

332 97.2 78.5 117.7

141 37.8 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 57.797 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141543.D

Acq: 10 Feb 2025 19:01

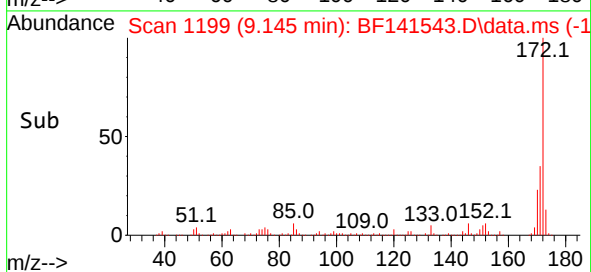
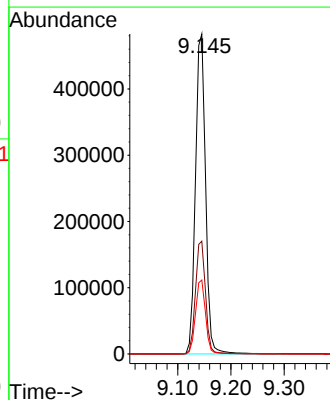
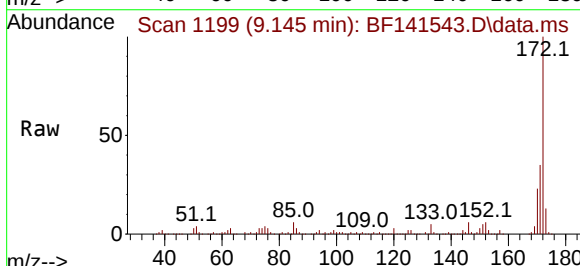
Tgt Ion:172 Resp: 636788

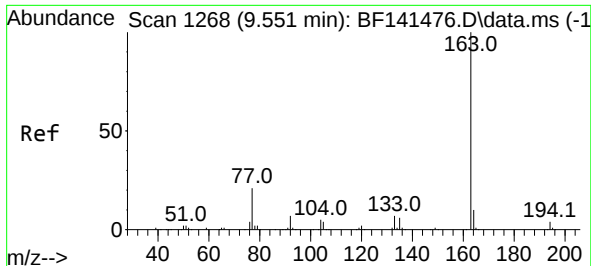
Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 23.1 18.9 28.3

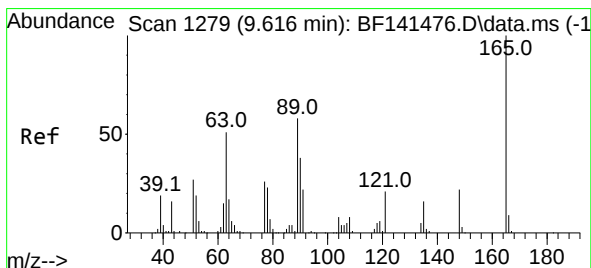
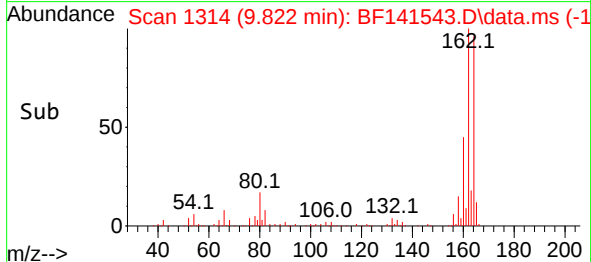
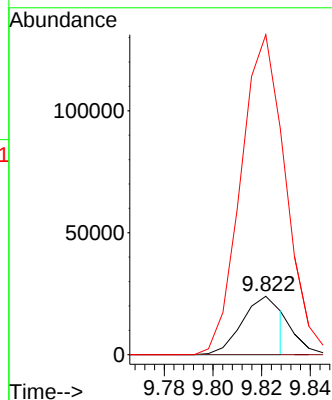
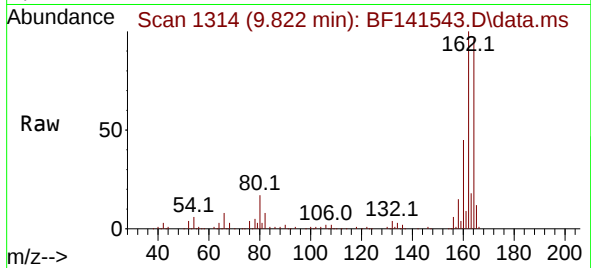




#50
Dimethylphthalate
Concen: 2.304 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141543.D
Acq: 10 Feb 2025 19:01

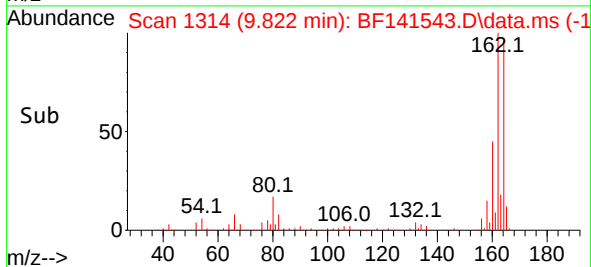
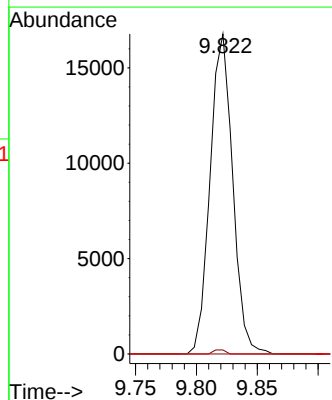
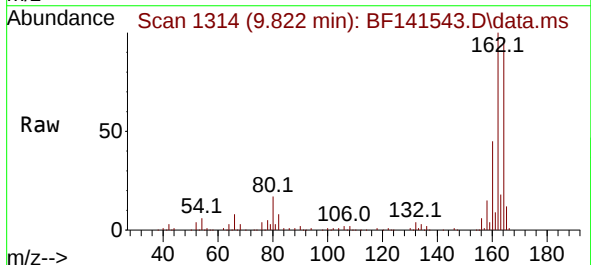
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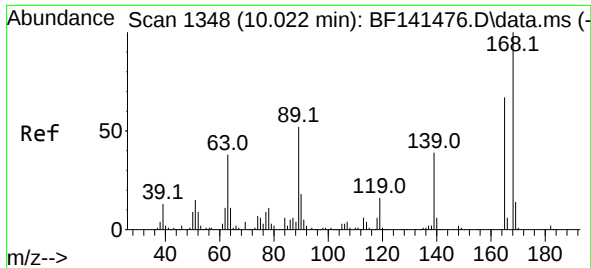
Tgt Ion:163 Resp: 26547
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 548.1 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.593 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141543.D
Acq: 10 Feb 2025 19:01

Tgt Ion:165 Resp: 21646
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.0#
89 0.0 46.5 69.7#

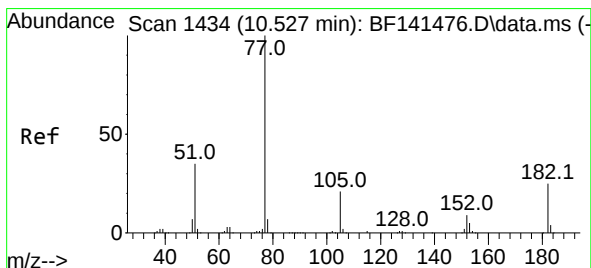
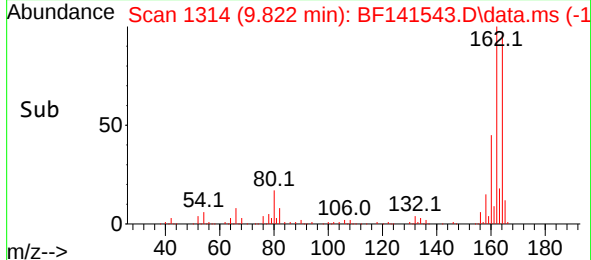
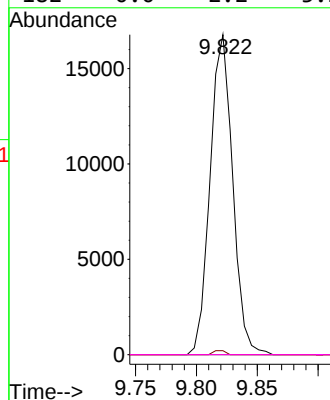
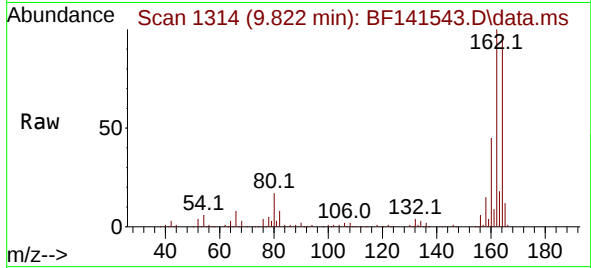




#57
2,4-Dinitrotoluene
Concen: 6.455 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141543.D
Acq: 10 Feb 2025 19:01

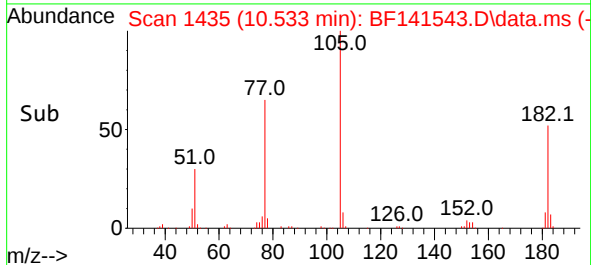
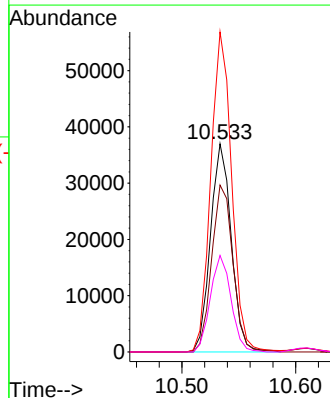
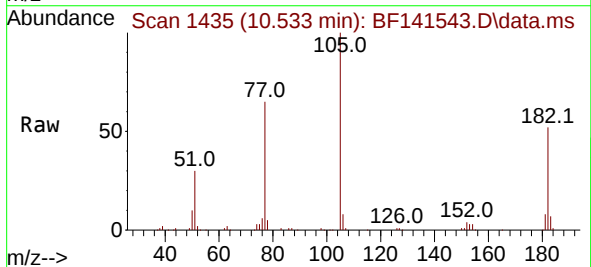
Instrument :
BNA_F
ClientSampleId :
SOIL-2

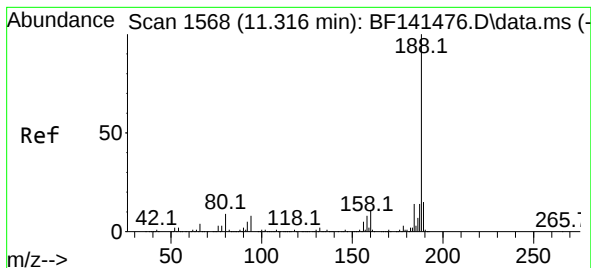
Tgt Ion:165 Resp: 21646
Ion Ratio Lower Upper
165 100
63 1.3 46.4 69.6#
89 0.0 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 4.181 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141543.D
Acq: 10 Feb 2025 19:01

Tgt Ion: 77 Resp: 47120
Ion Ratio Lower Upper
77 100
182 80.2 4.7 44.7#
105 153.7 0.4 40.4#
51 46.3 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141543.D

Acq: 10 Feb 2025 19:01

Instrument :

BNA_F

ClientSampleId :

SOIL-2

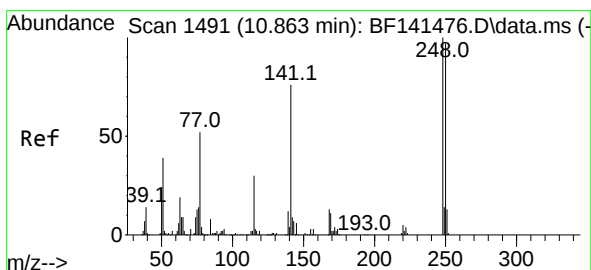
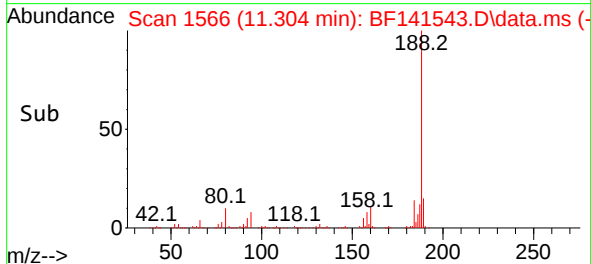
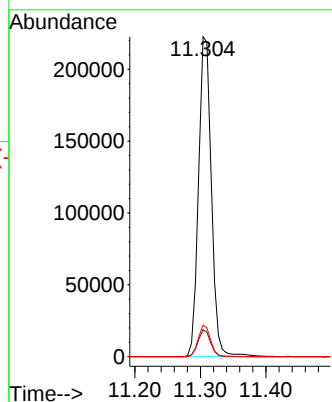
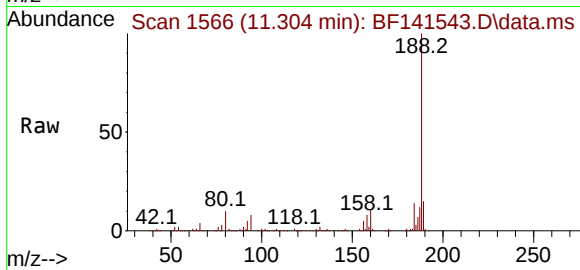
Tgt Ion:188 Resp: 304254

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.8 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.043 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141543.D

Acq: 10 Feb 2025 19:01

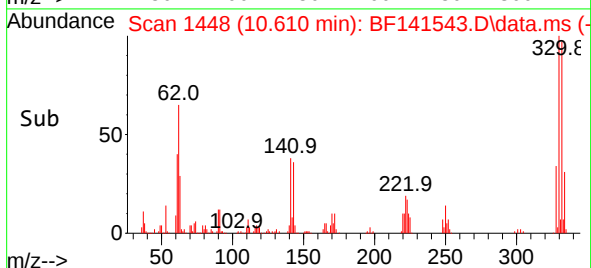
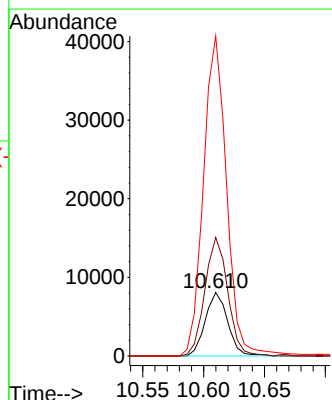
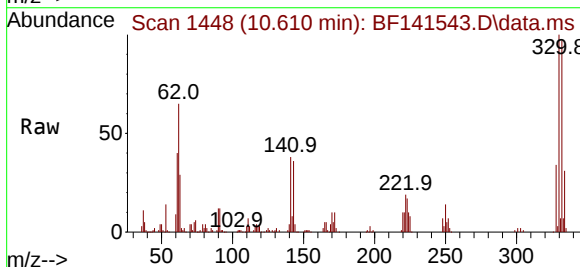
Tgt Ion:248 Resp: 10346

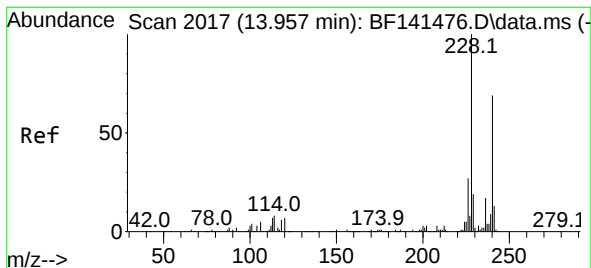
Ion Ratio Lower Upper

248 100

250 187.3 77.8 116.6#

141 505.3 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141543.D

Acq: 10 Feb 2025 19:01

Instrument :

BNA_F

ClientSampleId :

SOIL-2

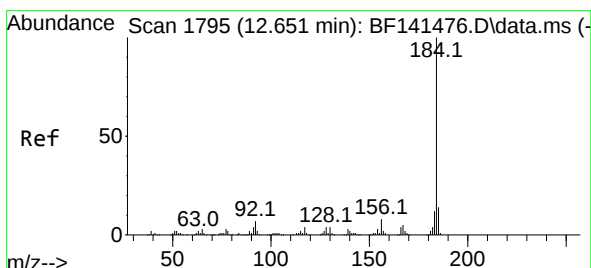
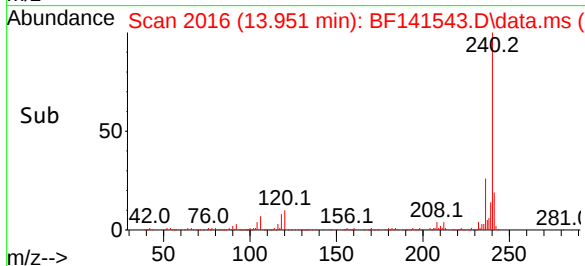
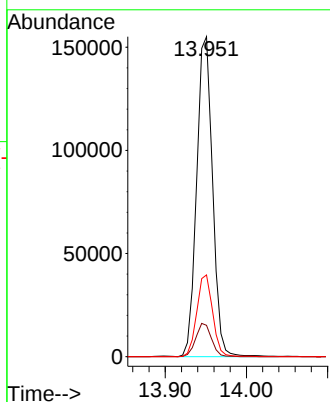
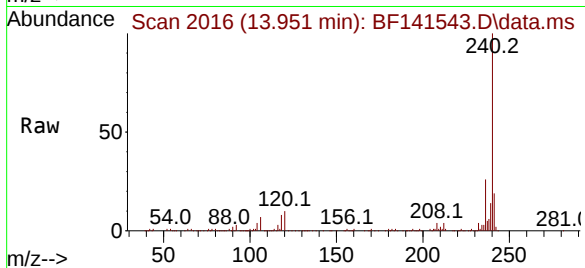
Tgt Ion:240 Resp: 211666

Ion Ratio Lower Upper

240 100

120 9.8 8.0 12.0

236 25.5 19.8 29.8



#77

Benzidine

Concen: 2.028 ng

RT: 12.892 min Scan# 1836

Delta R.T. 0.235 min

Lab File: BF141543.D

Acq: 10 Feb 2025 19:01

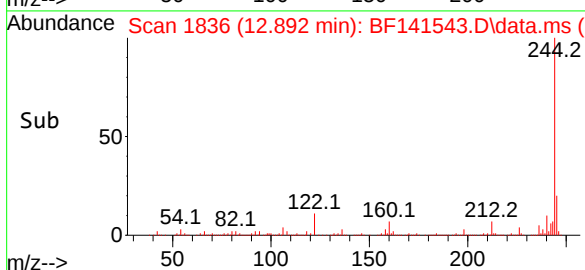
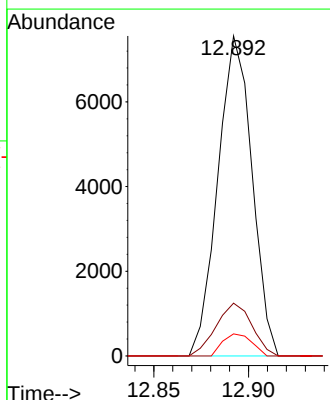
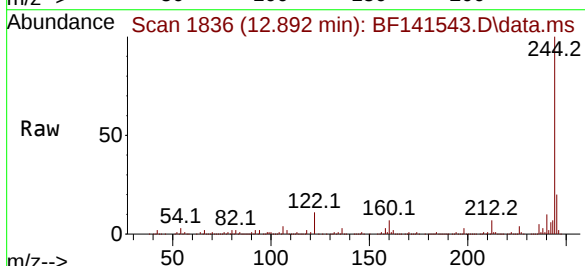
Tgt Ion:184 Resp: 9469

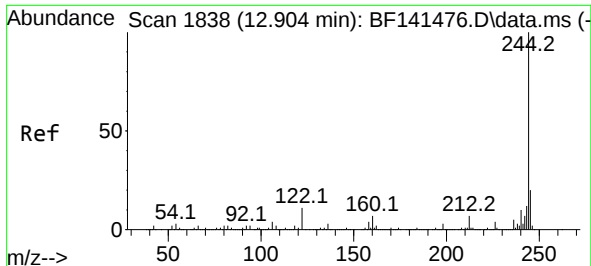
Ion Ratio Lower Upper

184 100

185 16.5 11.3 16.9

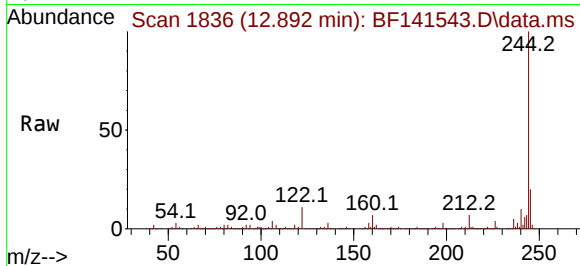
183 6.9 9.3 13.9#



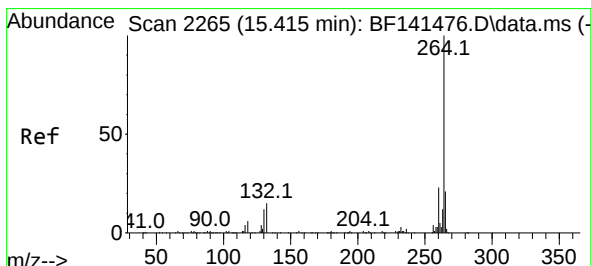
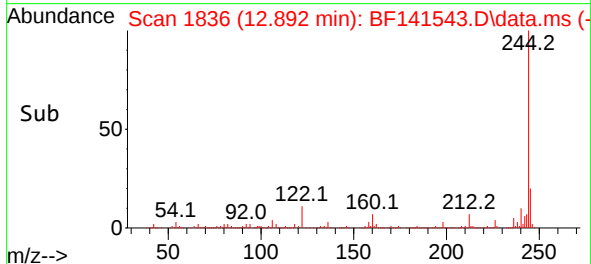
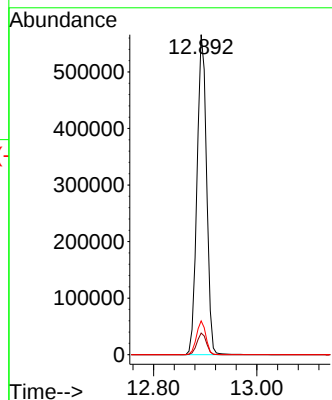


#79
 Terphenyl-d14
 Concen: 57.968 ng
 RT: 12.892 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF141543.D
 Acq: 10 Feb 2025 19:01

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2



Tgt Ion:244 Resp: 726818
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.5 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2264
 Delta R.T. -0.006 min
 Lab File: BF141543.D
 Acq: 10 Feb 2025 19:01

Tgt Ion:264 Resp: 163016
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.6 28.0
 265 21.2 17.0 25.4

