

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
 Data File : BF141815.D
 Acq On : 03 Mar 2025 16:19
 Operator : RC/JU
 Sample : Q1458-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-SOIL

Quant Time: Mar 03 16:55:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

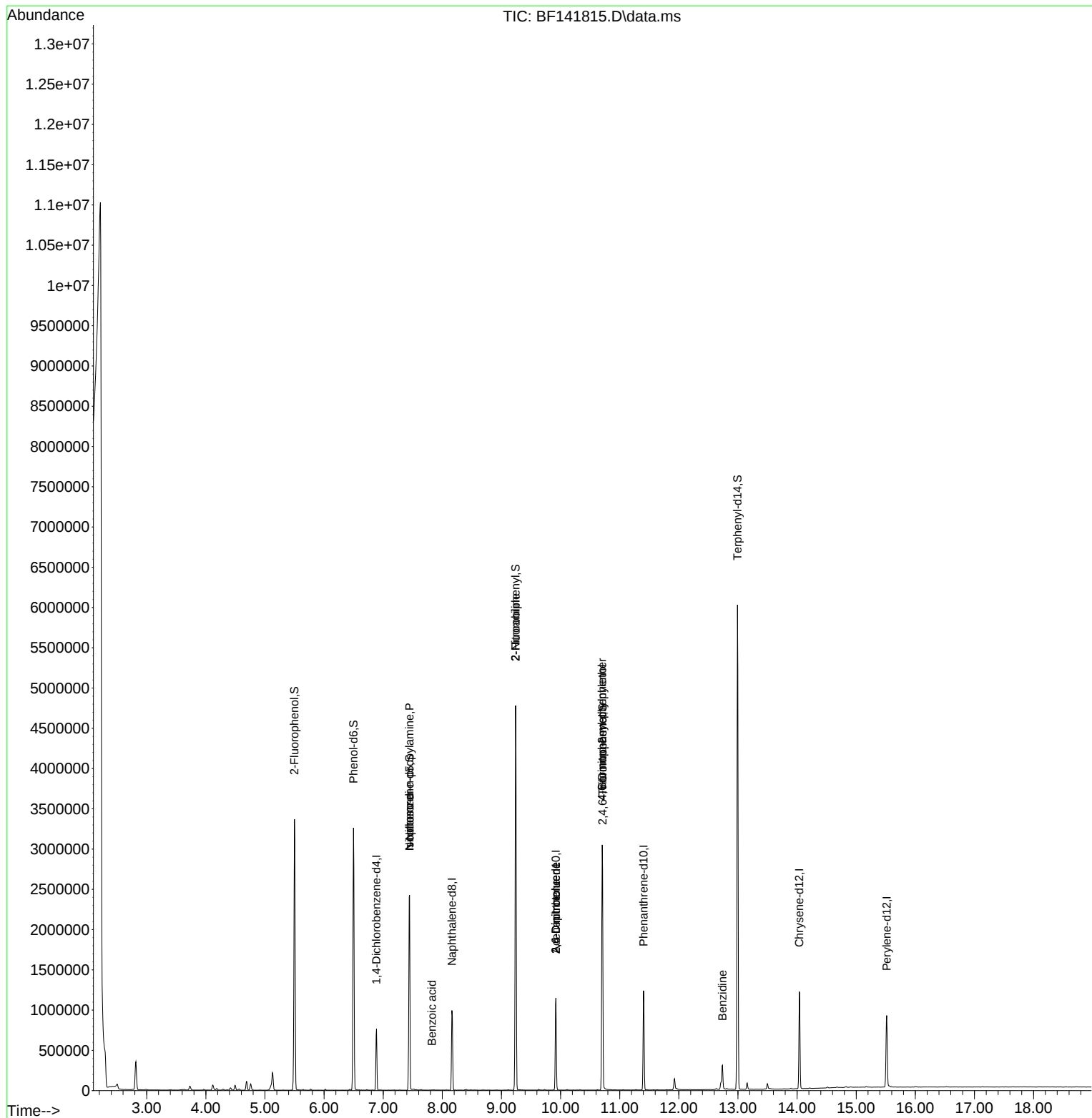
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	153642	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	610205	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	334027	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	604575	20.000	ng	0.00
76) Chrysene-d12	14.039	240	557499	20.000	ng	-0.01
86) Perylene-d12	15.515	264	503326	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1313316	136.509	ng	0.00
7) Phenol-d6	6.498	99	1503294	120.050	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1081957	113.337	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	470830	150.142	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2028551	97.378	ng	0.00
79) Terphenyl-d14	12.992	244	2840985	82.448	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	147878	17.965	ng	# 81
25) Isophorone	7.445	82	1080424	52.680	ng	# 66
32) Benzoic acid	7.822	122	494	7.757	ng	86
48) 2-Nitroaniline	9.239	65	3516	4.962	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	42879	12.258	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	42879	11.126	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.704	198	1245	8.489	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	31899	4.517	ng	# 1
77) Benzidine	12.739	184	161559	23.024	ng	98

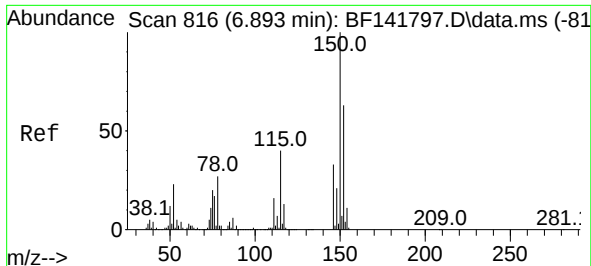
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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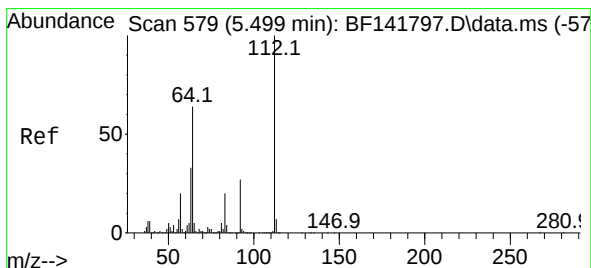
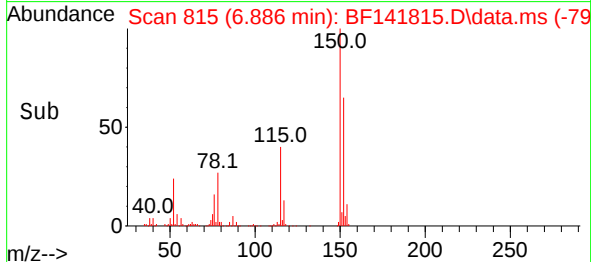
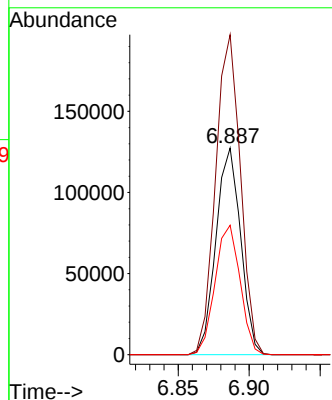
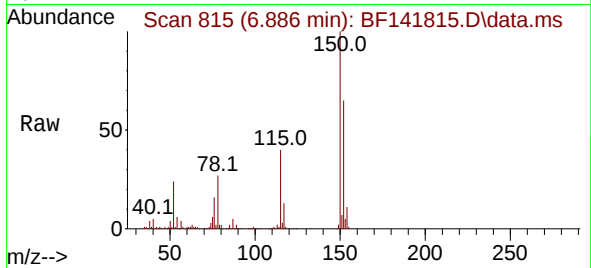




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

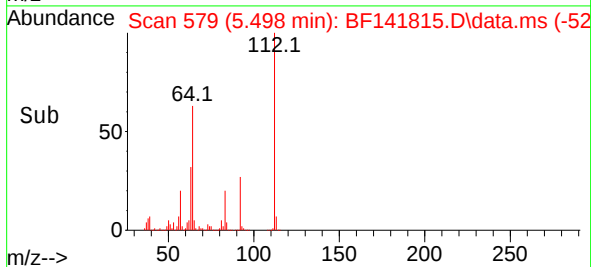
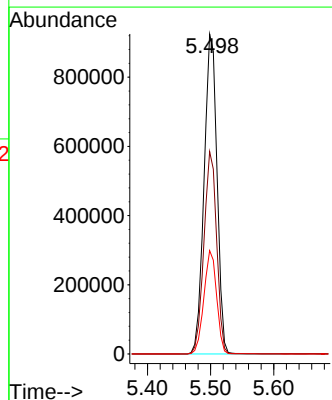
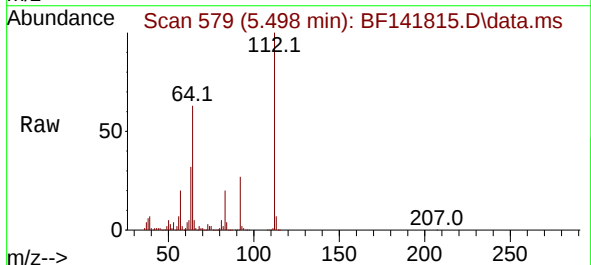
Instrument :
BNA_F
ClientSampleId :
SP-SOIL

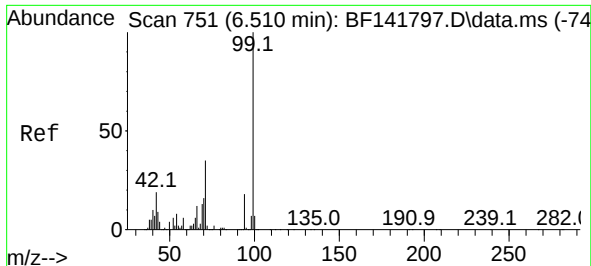
Tgt Ion:152 Resp: 153642
Ion Ratio Lower Upper
152 100
150 154.8 127.5 191.3
115 62.6 51.4 77.2



#5
2-Fluorophenol
Concen: 136.509 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

Tgt Ion:112 Resp: 1313316
Ion Ratio Lower Upper
112 100
64 63.3 51.3 76.9
63 32.3 26.2 39.4

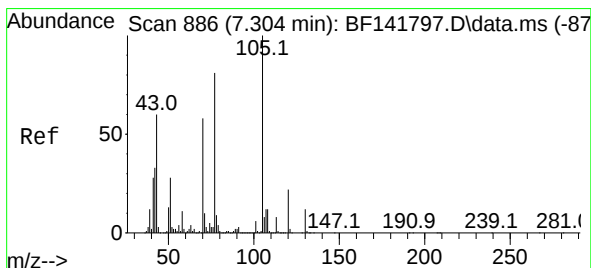
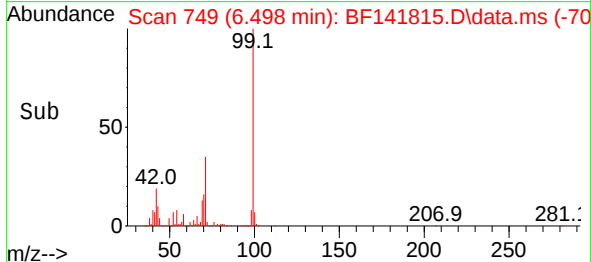
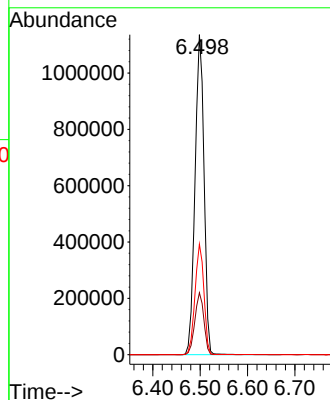
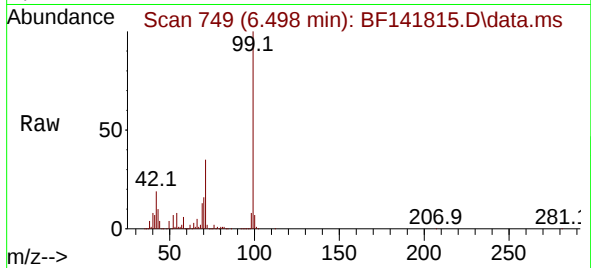




#7
Phenol-d6
Concen: 120.050 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

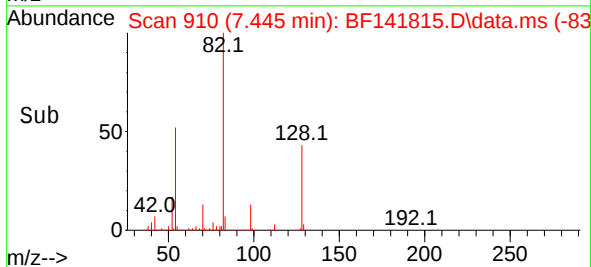
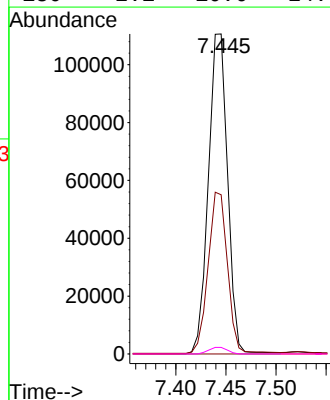
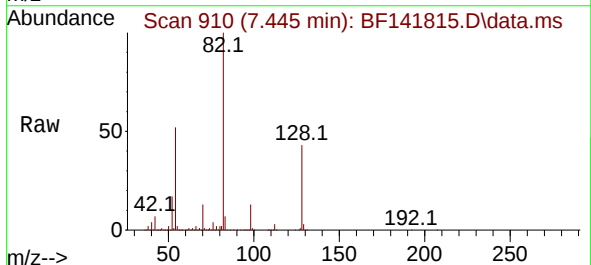
Instrument :
BNA_F
ClientSampleId :
SP-SOIL

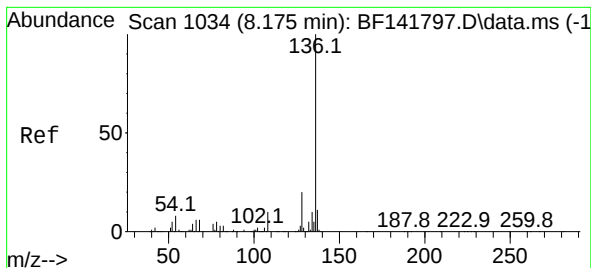
Tgt Ion: 99 Resp: 1503294
Ion Ratio Lower Upper
99 100
42 19.4 15.2 22.8
71 34.5 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.965 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

Tgt Ion: 70 Resp: 147878
Ion Ratio Lower Upper
70 100
42 49.8 45.4 68.0
101 0.0 7.8 11.8#
130 2.1 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

Instrument :

BNA_F

ClientSampleId :

SP-SOIL

Tgt Ion:136 Resp: 610205

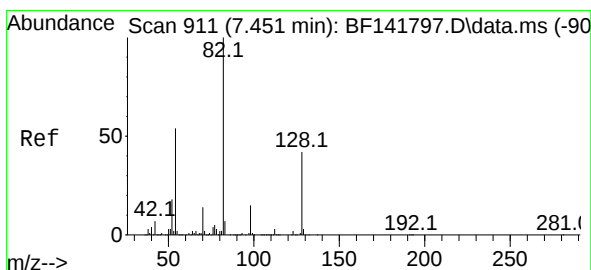
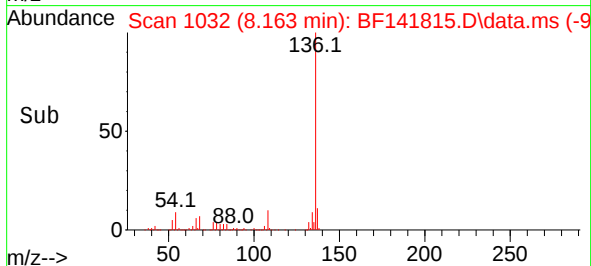
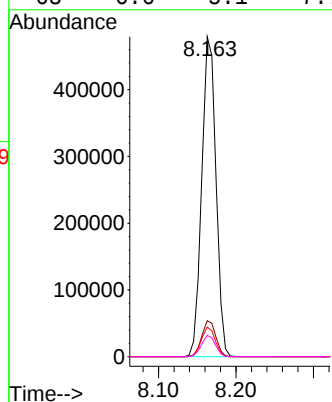
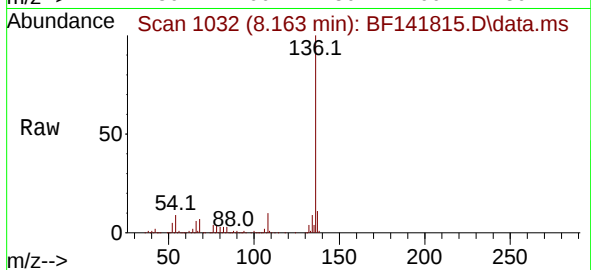
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.3 6.9 10.3

68 6.6 5.1 7.7



#23

Nitrobenzene-d5

Concen: 113.337 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

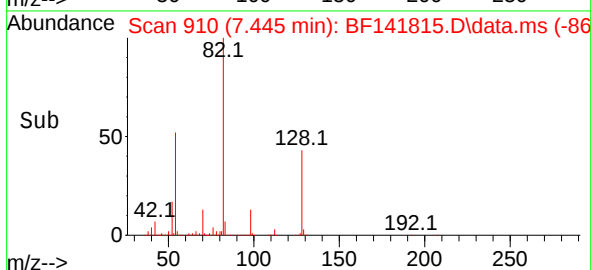
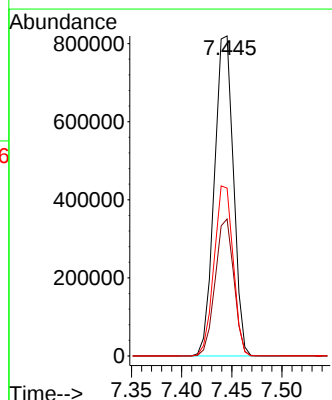
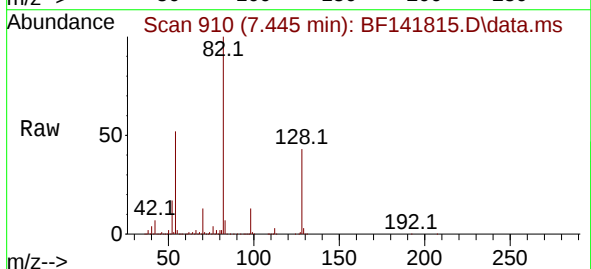
Tgt Ion: 82 Resp: 1081957

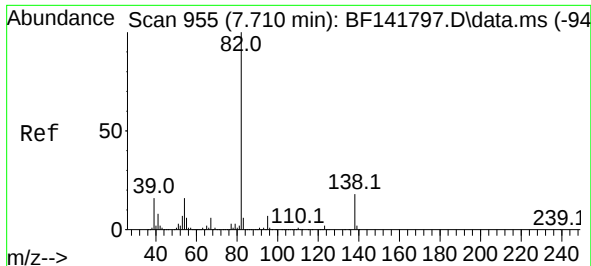
Ion Ratio Lower Upper

82 100

128 42.8 33.5 50.3

54 52.4 42.7 64.1

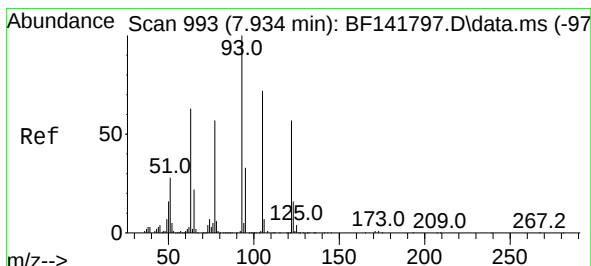
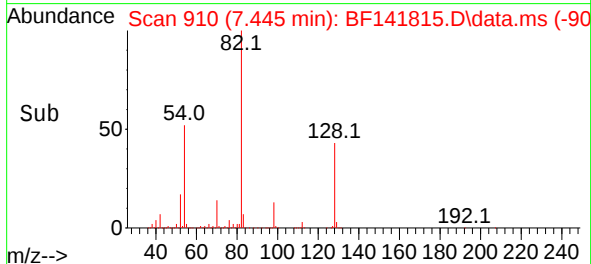
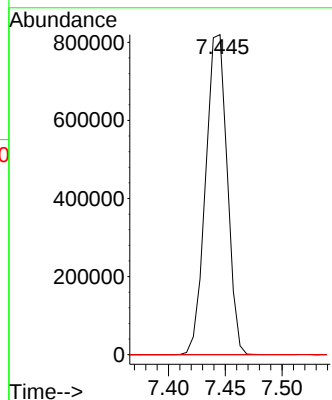
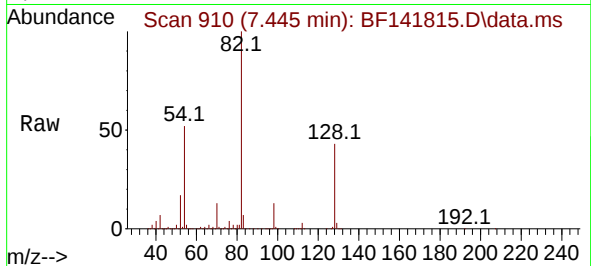




#25
Isophorone
Concen: 52.680 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

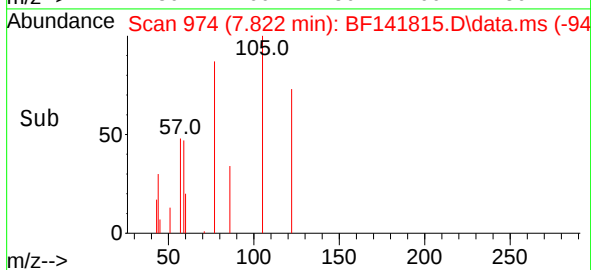
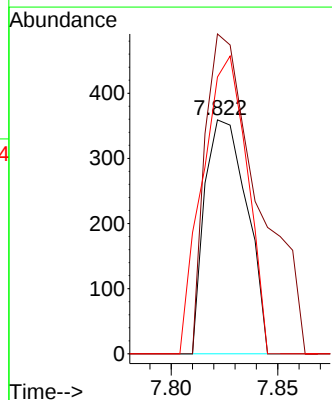
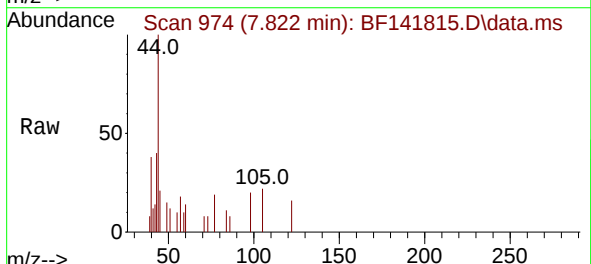
Instrument :
BNA_F
ClientSampleId :
SP-SOIL

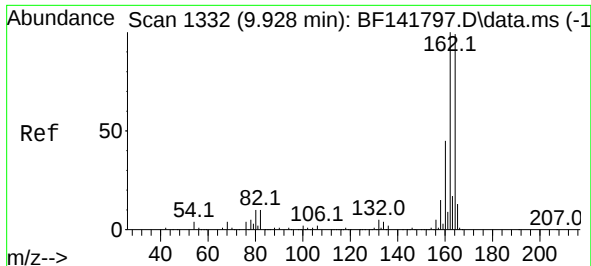
Tgt Ion: 82 Resp: 1080424
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.757 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.112 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

Tgt Ion:122 Resp: 494
Ion Ratio Lower Upper
122 100
105 136.8 105.8 145.8
77 118.4 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

Instrument :

BNA_F

ClientSampleId :

SP-SOIL

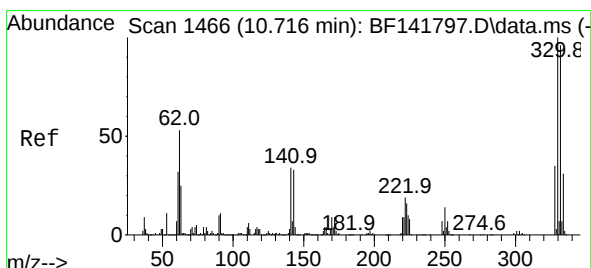
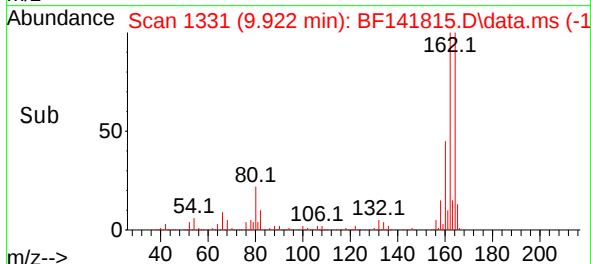
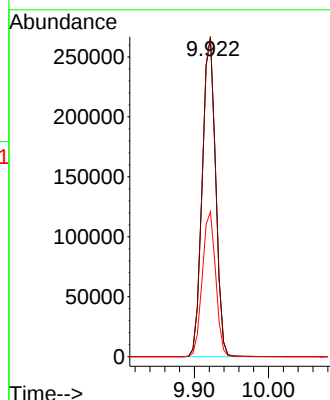
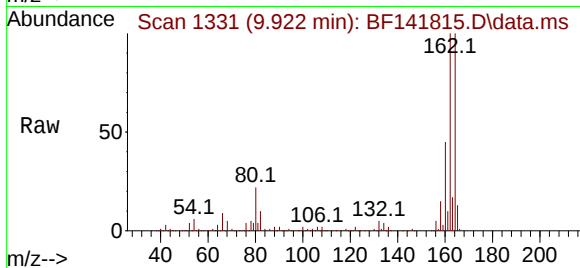
Tgt Ion:164 Resp: 334027

Ion Ratio Lower Upper

164 100

162 100.0 80.6 120.8

160 45.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 150.142 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

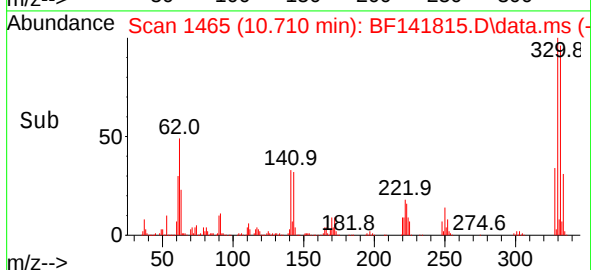
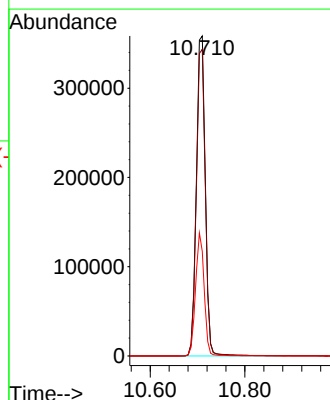
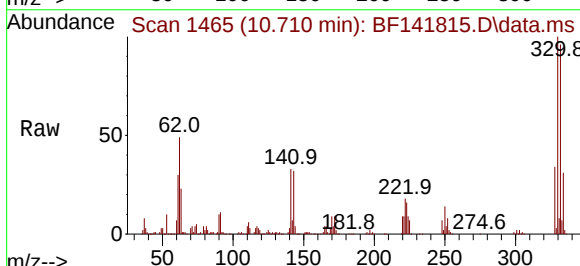
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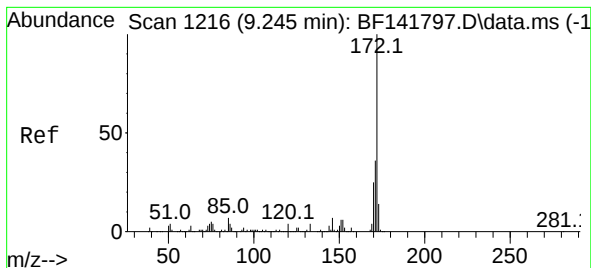
Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

141 37.0 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 97.378 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

Instrument :

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ClientSampleId :

SP-SOIL

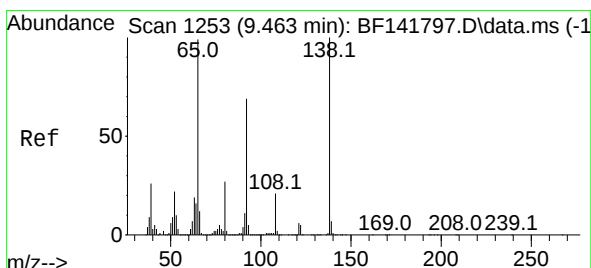
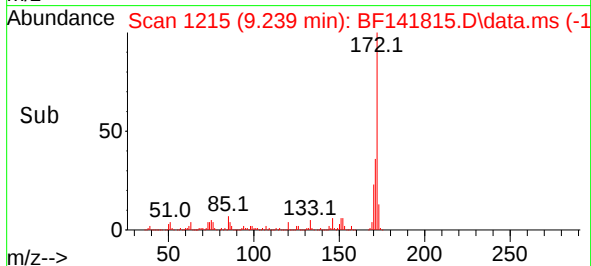
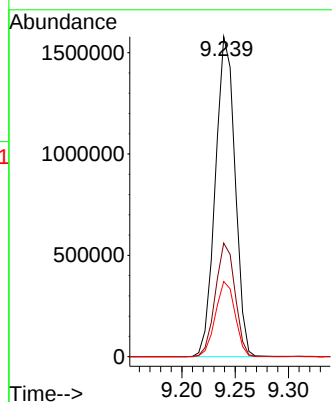
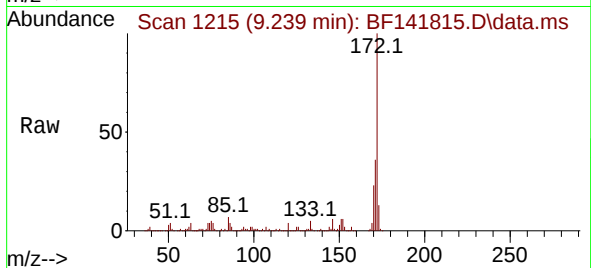
Tgt Ion:172 Resp: 2028551

Ion Ratio Lower Upper

172 100

171 35.5 29.2 43.8

170 23.5 19.7 29.5



#48

2-Nitroaniline

Concen: 4.962 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.224 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

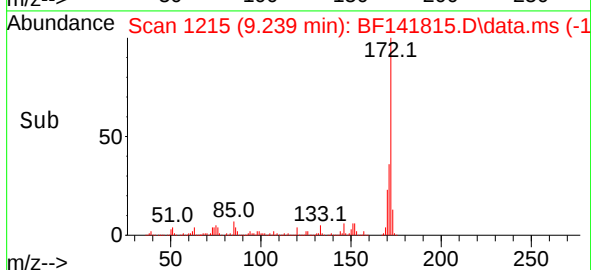
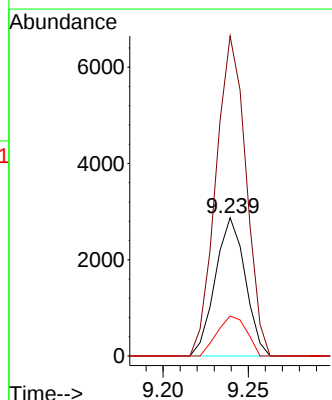
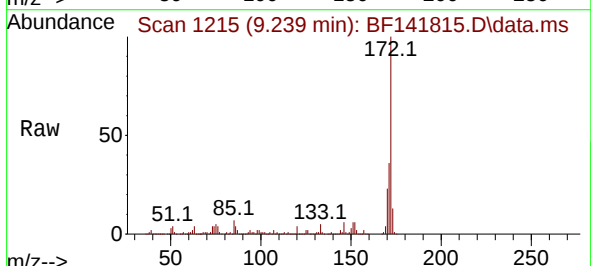
Tgt Ion: 65 Resp: 3516

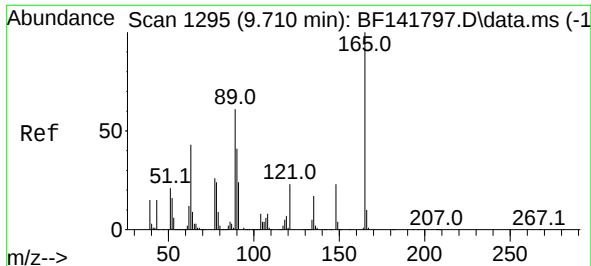
Ion Ratio Lower Upper

65 100

92 231.5 55.7 83.5#

138 28.9 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 12.258 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.212 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

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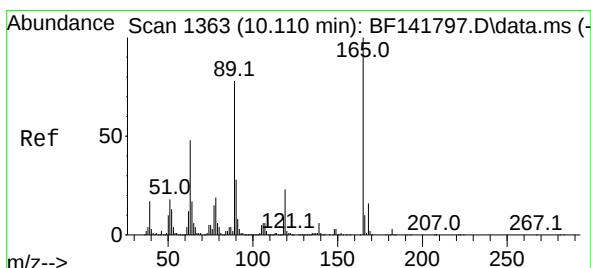
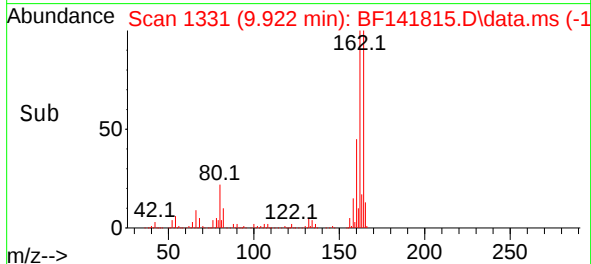
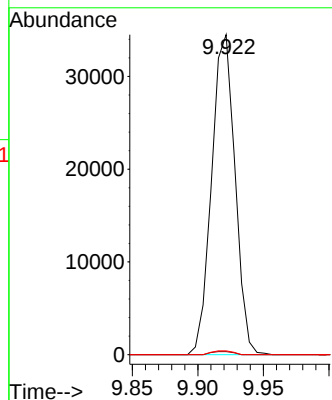
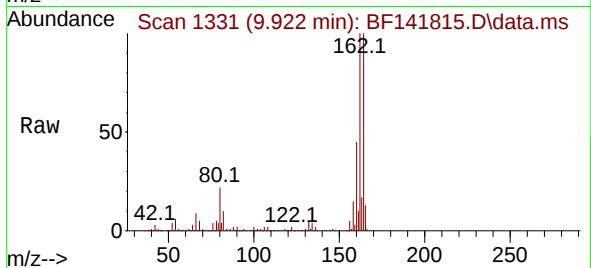
Tgt Ion:165 Resp: 42879

Ion Ratio Lower Upper

165 100

63 0.9 49.5 74.3#

89 1.2 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 11.126 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.188 min

Lab File: BF141815.D

Acq: 03 Mar 2025 16:19

Tgt Ion:165 Resp: 42879

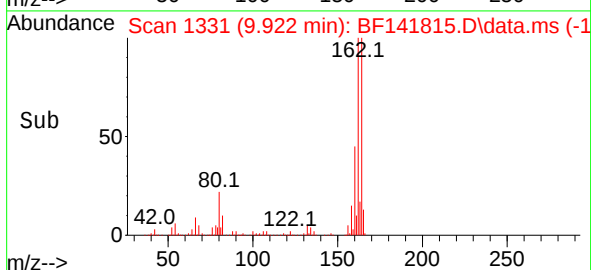
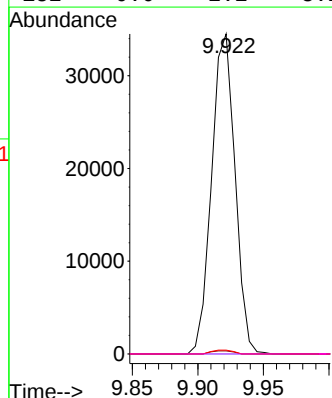
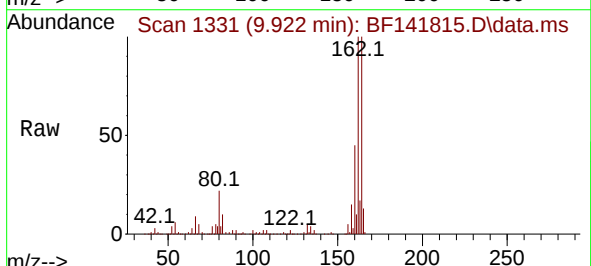
Ion Ratio Lower Upper

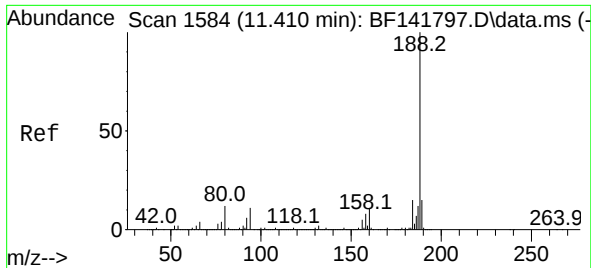
165 100

63 0.9 38.8 58.2#

89 1.2 62.6 94.0#

182 0.0 2.2 3.2#

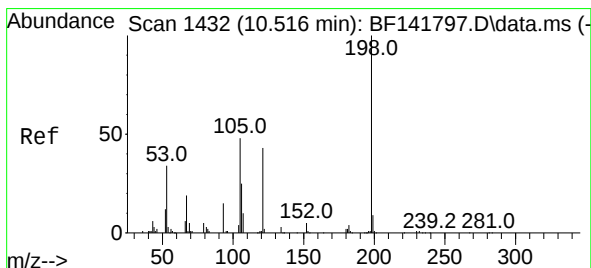
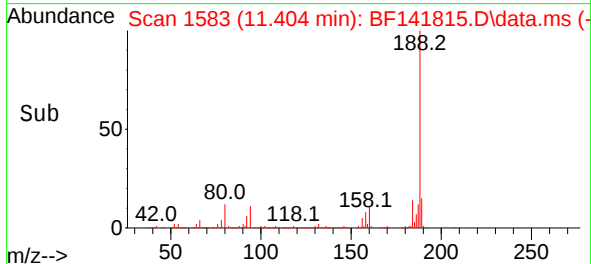
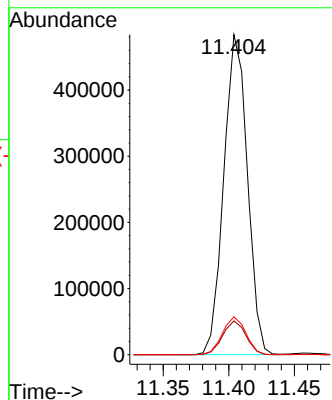
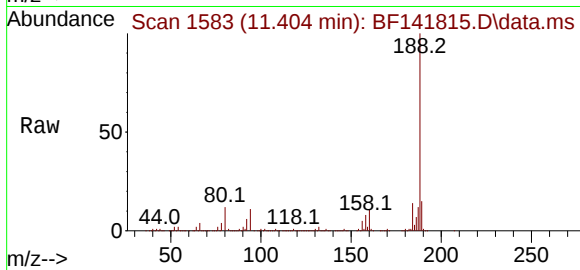




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

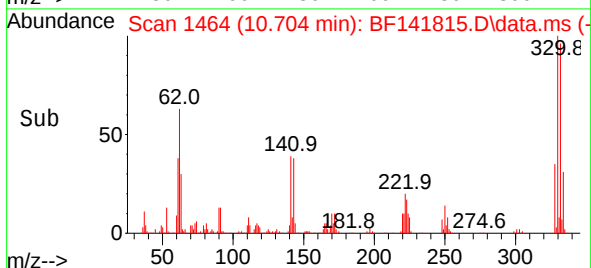
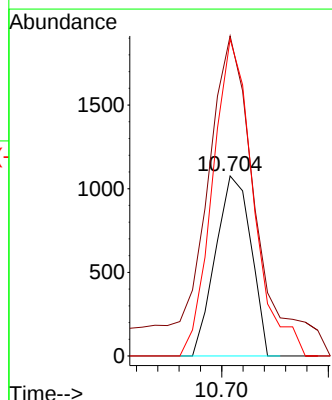
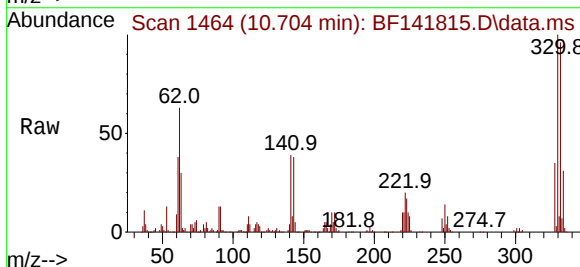
Instrument :
BNA_F
ClientSampleId :
SP-SOIL

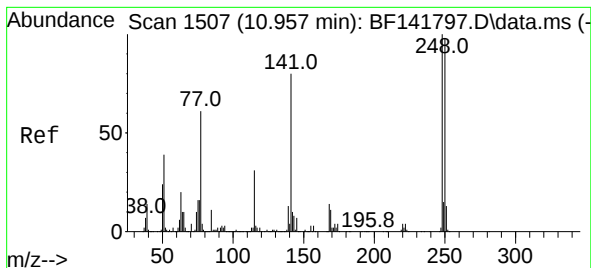
Tgt Ion:188 Resp: 604575
Ion Ratio Lower Upper
188 100
94 10.6 8.9 13.3
80 11.9 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.489 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

Tgt Ion:198 Resp: 1245
Ion Ratio Lower Upper
198 100
51 177.8 32.1 72.1#
105 176.1 28.5 68.5#

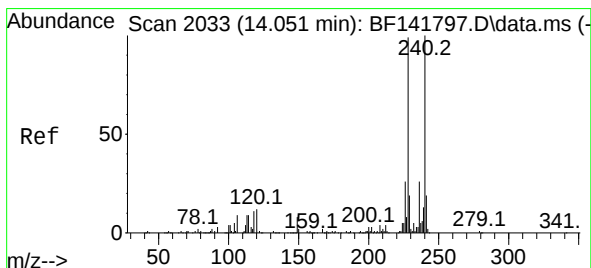
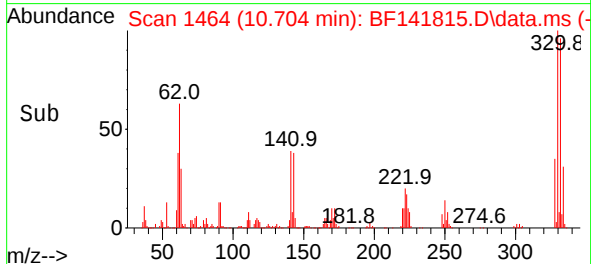
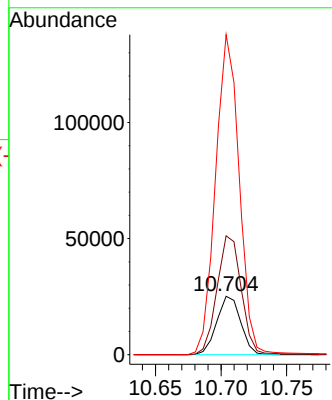
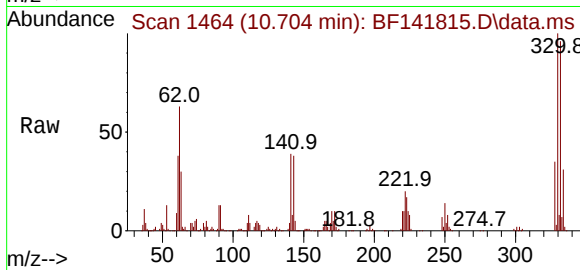




#67
4-Bromophenyl-phenylether
Concen: 4.517 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

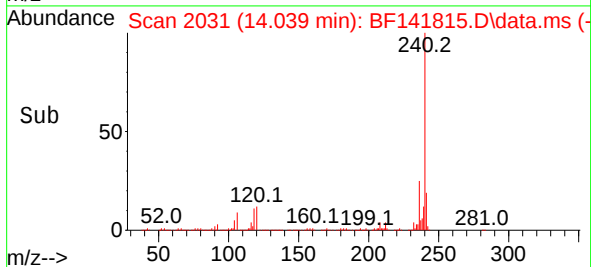
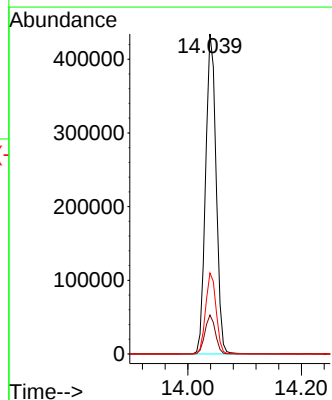
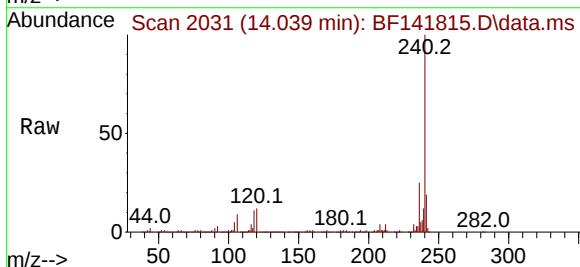
Instrument :
BNA_F
ClientSampleId :
SP-SOIL

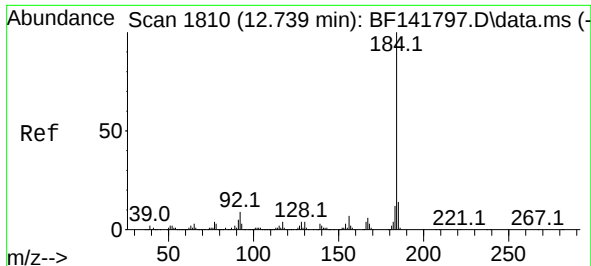
Tgt Ion:248 Resp: 31899
Ion Ratio Lower Upper
248 100
250 203.5 78.1 117.1#
141 547.7 64.3 96.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

Tgt Ion:240 Resp: 557499
Ion Ratio Lower Upper
240 100
120 12.2 9.7 14.5
236 25.3 21.0 31.4

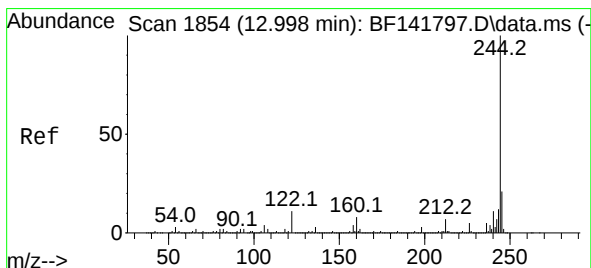
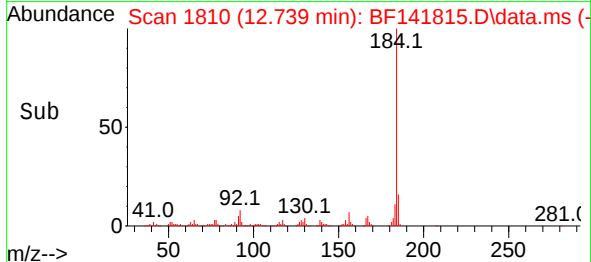
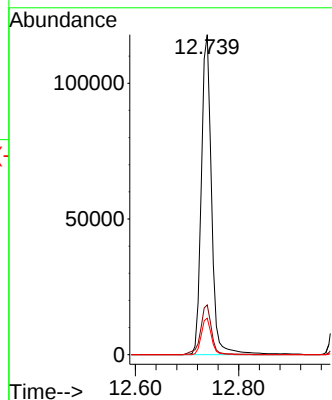
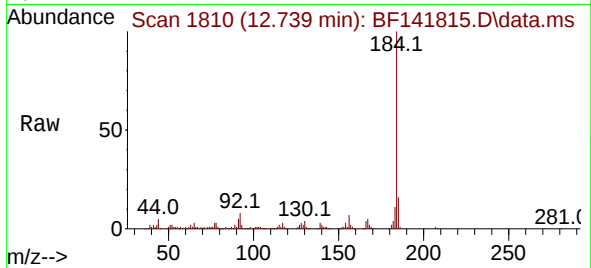




#77
Benzidine
Concen: 23.024 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

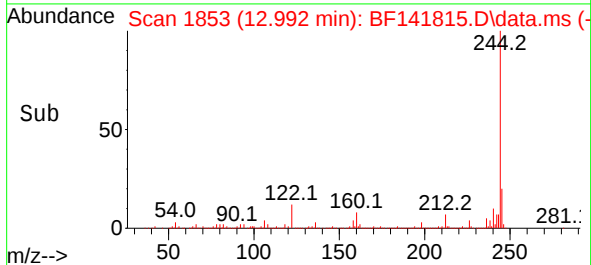
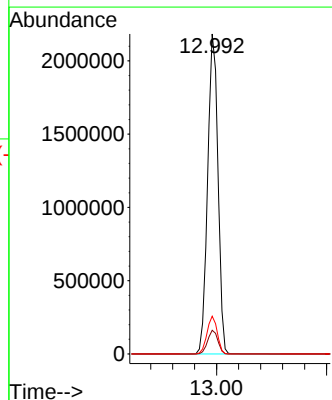
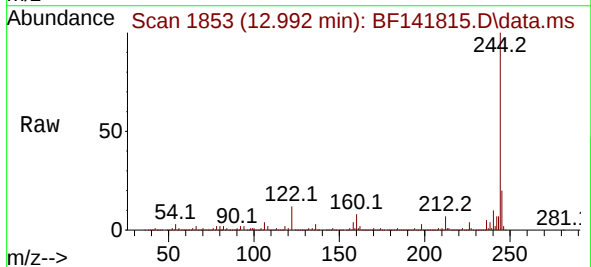
Instrument :
BNA_F
ClientSampleId :
SP-SOIL

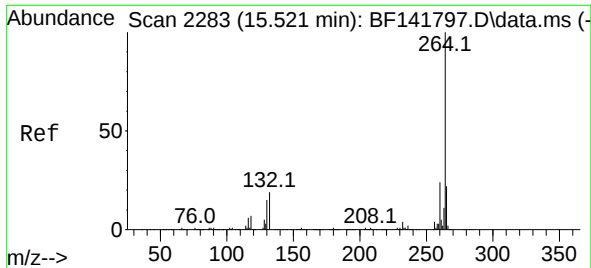
Tgt Ion:184 Resp: 161559
Ion Ratio Lower Upper
184 100
185 15.5 11.6 17.4
183 11.4 9.4 14.0



#79
Terphenyl-d14
Concen: 82.448 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141815.D
Acq: 03 Mar 2025 16:19

Tgt Ion:244 Resp: 2840985
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 11.8 9.0 13.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141815.D
 Acq: 03 Mar 2025 16:19

Instrument :
 BNA_F
 ClientSampleId :
 SP-SOIL

Tgt Ion:264 Resp: 503326
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 21.4 17.4 26.0

