

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142379.D
 Acq On : 14 May 2025 21:35
 Operator : RC/JU
 Sample : Q2004-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCK

Quant Time: May 15 01:05:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

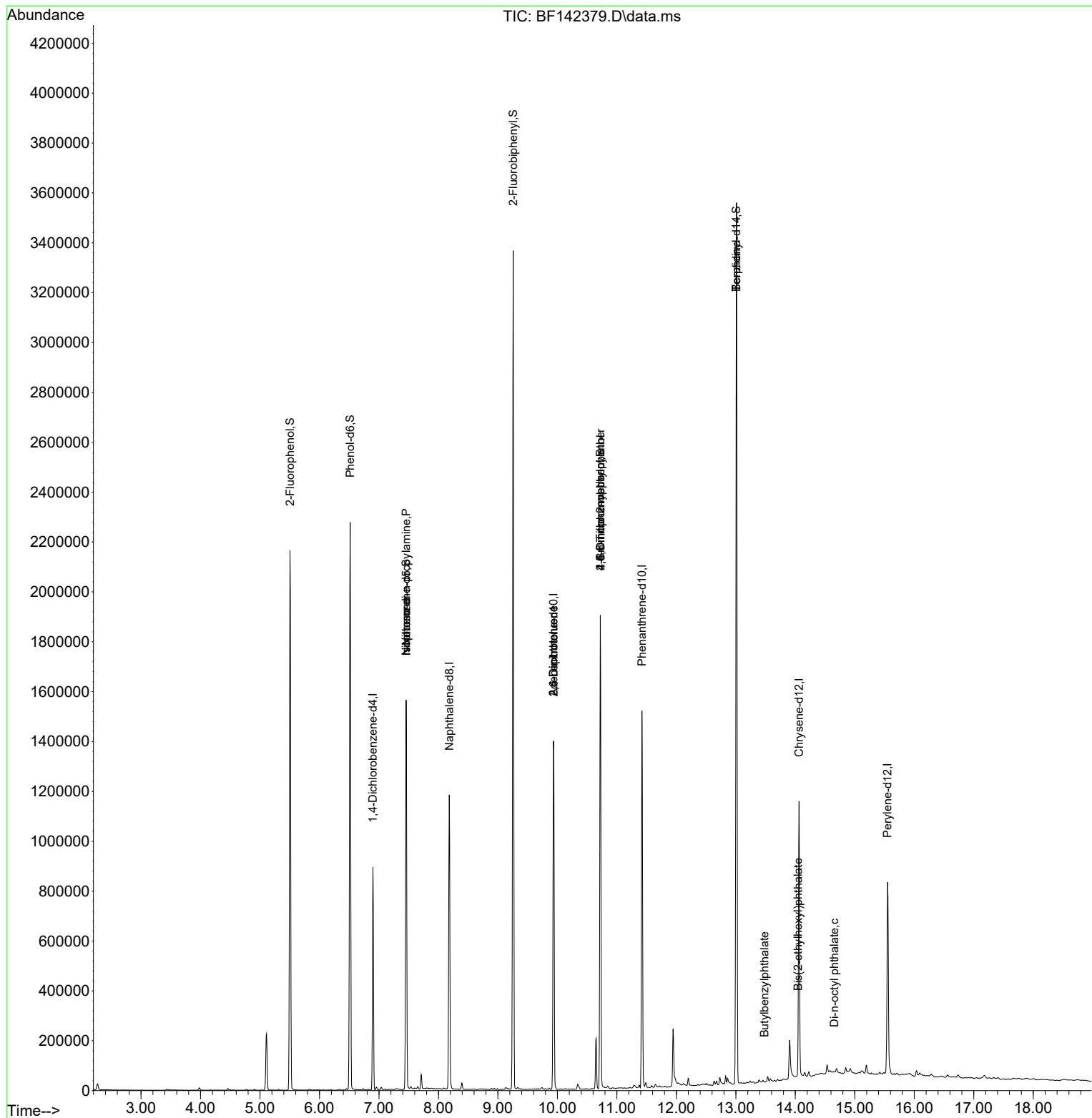
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	190119	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	751594	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	434455	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	777687	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	527172	20.000	ng	0.00
86) Perylene-d12	15.551	264	453790	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	838712	75.308	ng	0.00
7) Phenol-d6	6.516	99	1077900	78.692	ng	0.00
23) Nitrobenzene-d5	7.457	82	658988	53.473	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	338624	80.729	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1524287	50.027	ng	0.00
79) Terphenyl-d14	13.010	244	1754546	49.261	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	87568	10.335	ng	# 78
25) Isophorone	7.457	82	650787	27.887	ng	# 62
51) 2,6-Dinitrotoluene	9.934	165	54489	10.435	ng	# 23
57) 2,4-Dinitrotoluene	9.934	165	54489	8.135	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.722	198	681	7.345	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	20433	2.318	ng	# 1
77) Benzidine	13.010	184	21135	2.206	ng	# 97
80) Butylbenzylphthalate	13.480	149	635	3.702	ng	# 65
84) Bis(2-ethylhexyl)phtha...	14.045	149	4817	4.483	ng	# 96
85) Di-n-octyl phthalate	14.657	149	852	7.862	ng	# 73

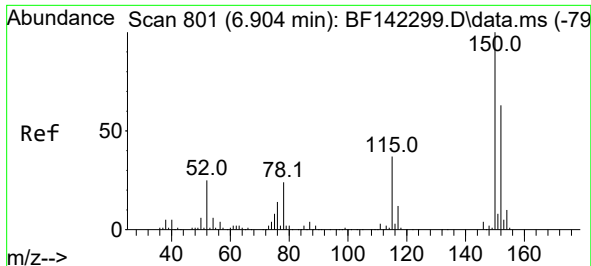
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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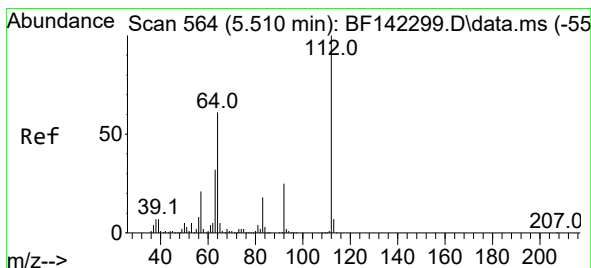
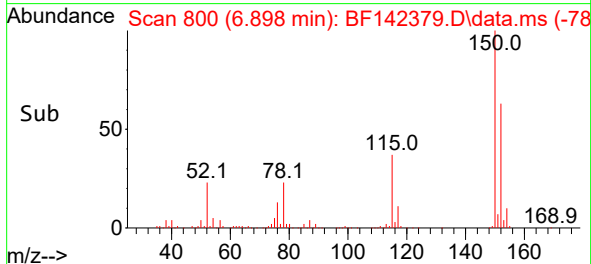
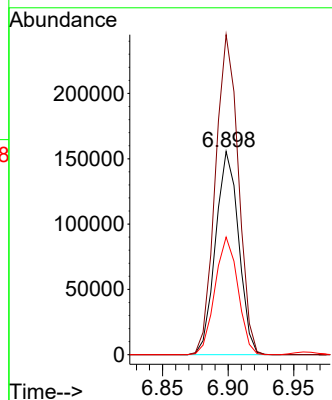
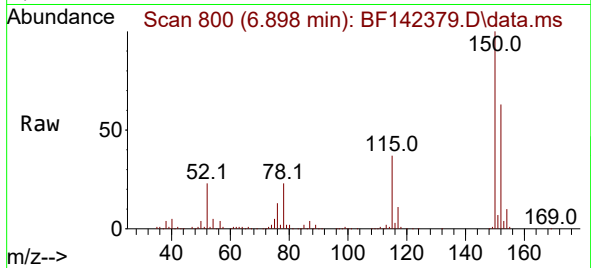




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

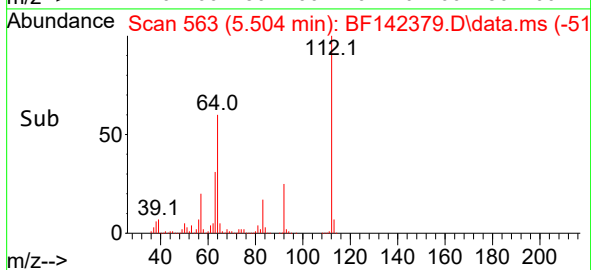
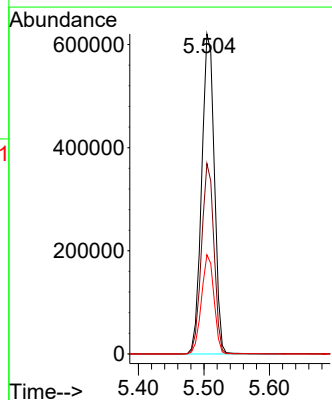
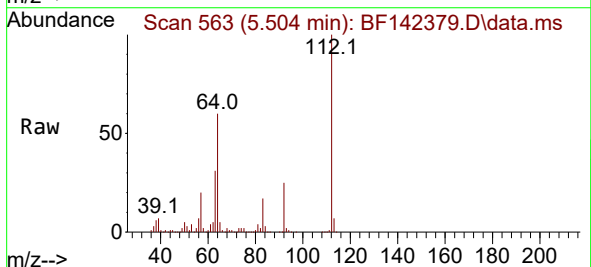
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

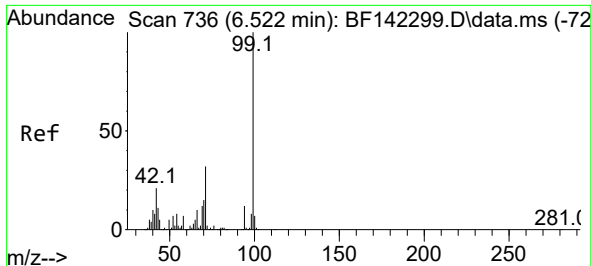
Tgt Ion:152 Resp: 190119
Ion Ratio Lower Upper
152 100
150 157.5 126.6 190.0
115 57.9 47.3 70.9



#5
2-Fluorophenol
Concen: 75.308 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

Tgt Ion:112 Resp: 838712
Ion Ratio Lower Upper
112 100
64 59.5 48.9 73.3
63 31.0 25.6 38.4

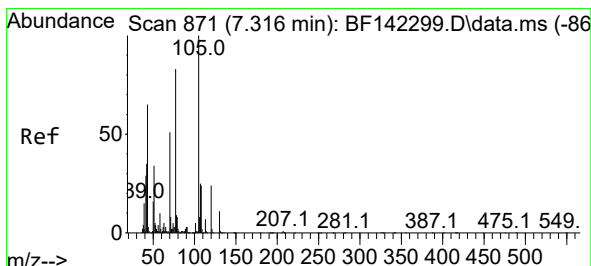
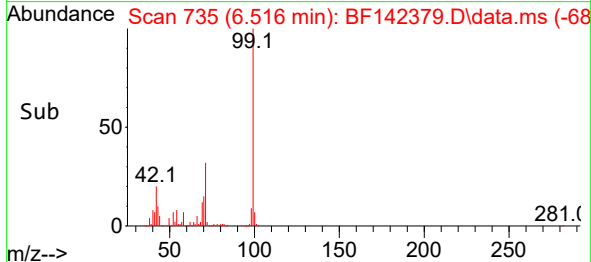
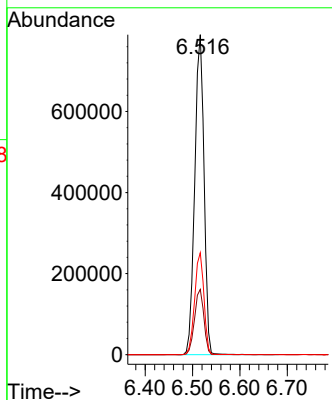
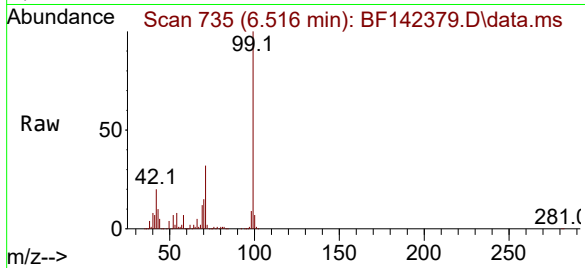




#7
Phenol-d6
Concen: 78.692 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

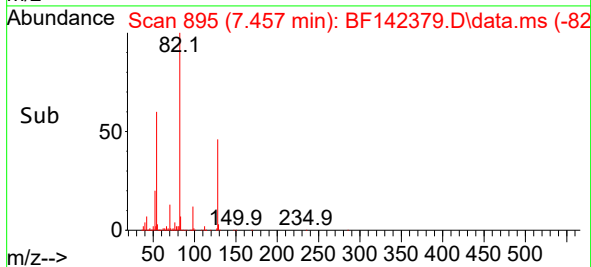
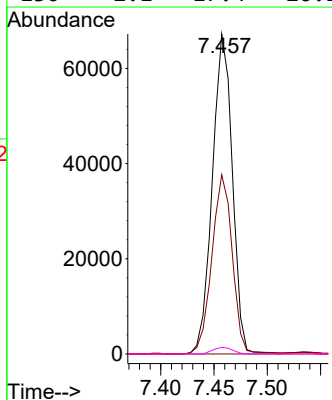
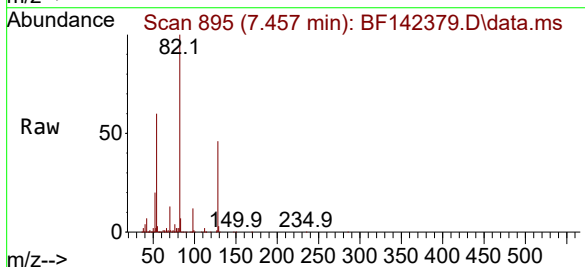
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ClientSampleId :
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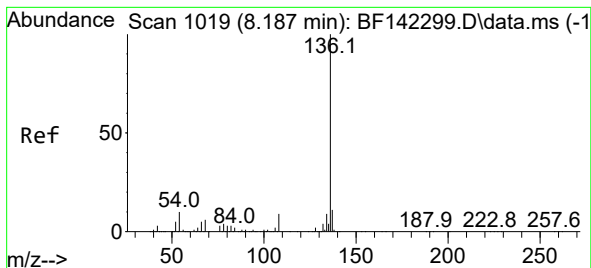
Tgt Ion: 99 Resp: 1077900
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.4
71 31.9 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.335 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

Tgt Ion: 70 Resp: 87568
Ion Ratio Lower Upper
70 100
42 56.0 54.8 82.2
101 0.0 7.7 11.5#
130 2.1 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142379.D

Acq: 14 May 2025 21:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCK

Tgt Ion:136 Resp: 751594

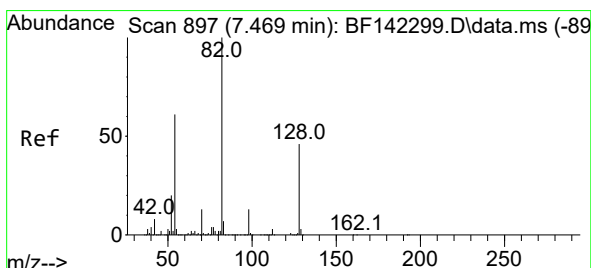
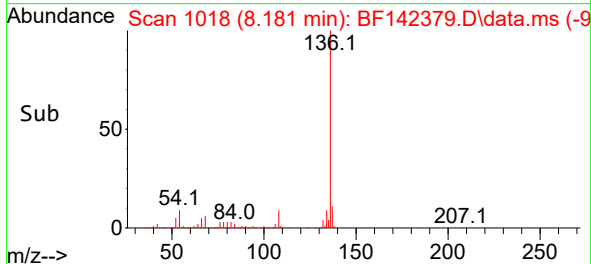
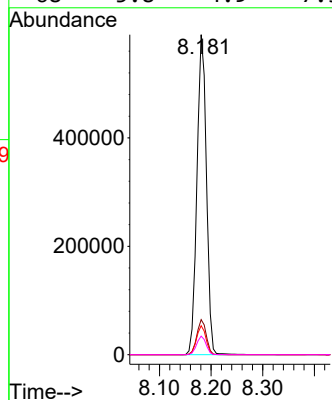
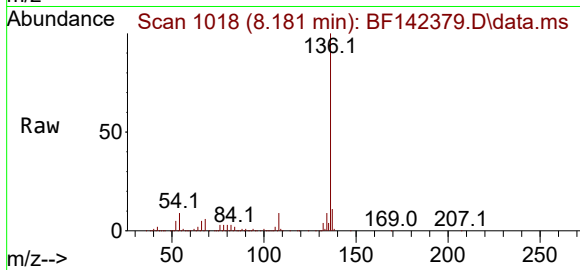
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.1 7.7 11.5

68 5.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 53.473 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142379.D

Acq: 14 May 2025 21:35

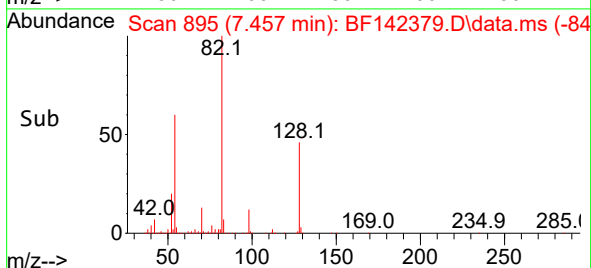
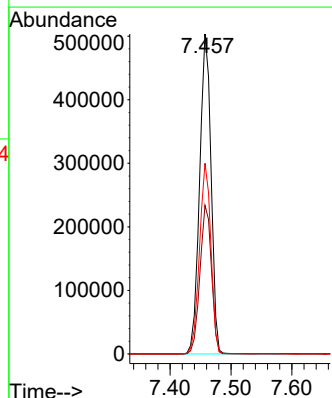
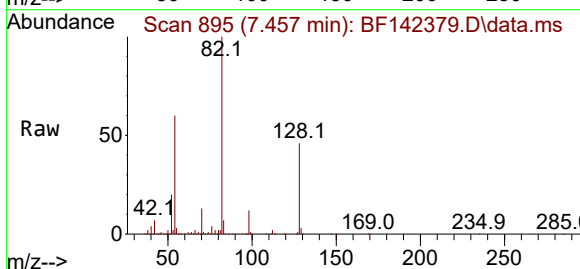
Tgt Ion: 82 Resp: 658988

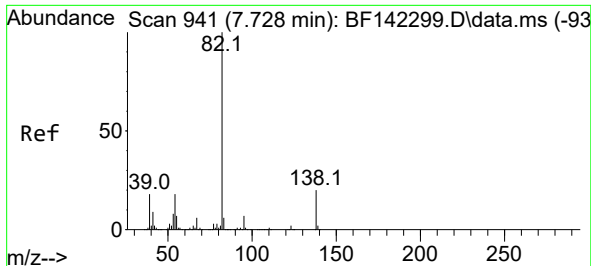
Ion Ratio Lower Upper

82 100

128 46.5 37.0 55.6

54 59.6 48.6 73.0

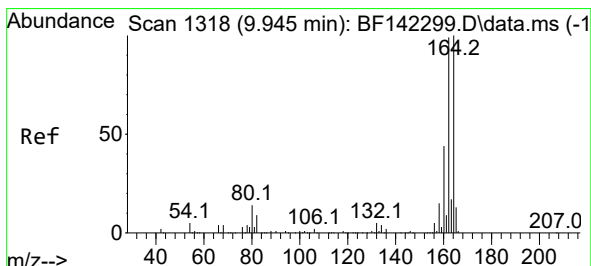
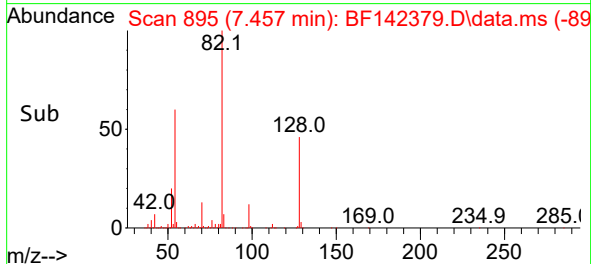
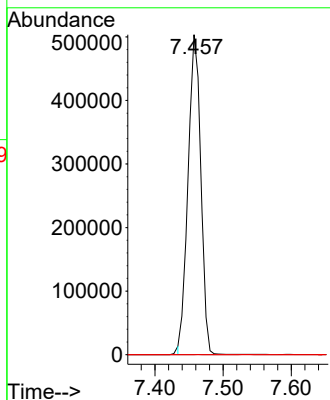
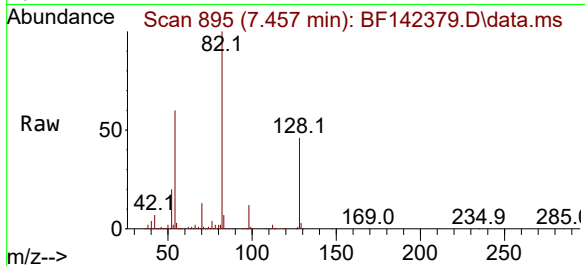




#25
Isophorone
Concen: 27.887 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

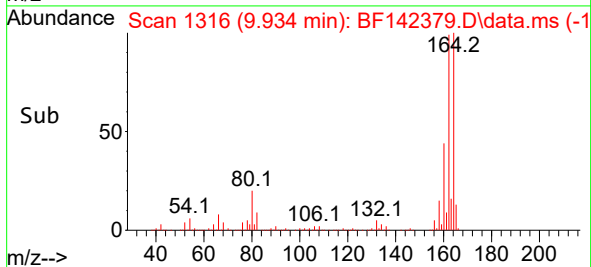
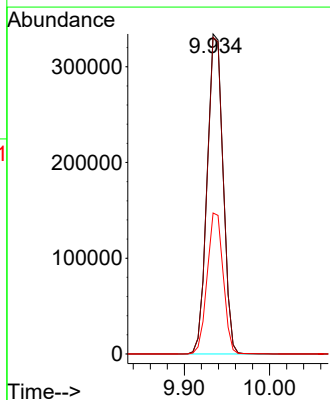
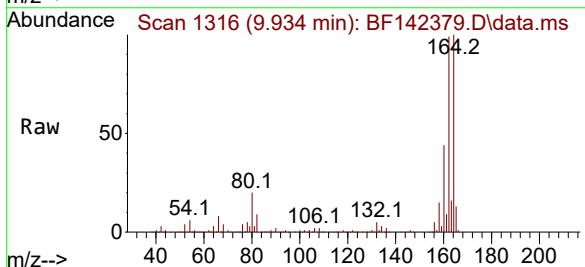
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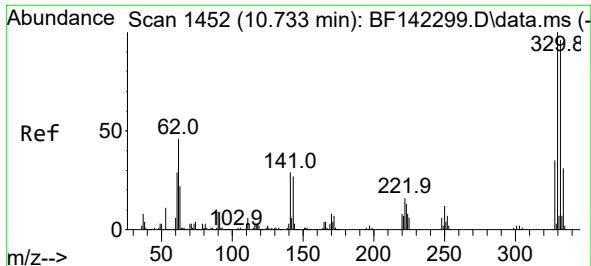
Tgt Ion: 82 Resp: 650787
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

Tgt Ion: 164 Resp: 434455
Ion Ratio Lower Upper
164 100
162 98.9 79.2 118.8
160 44.1 35.3 52.9

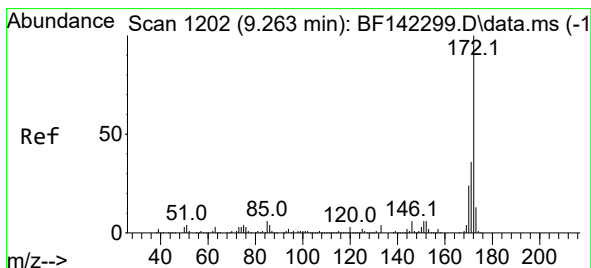
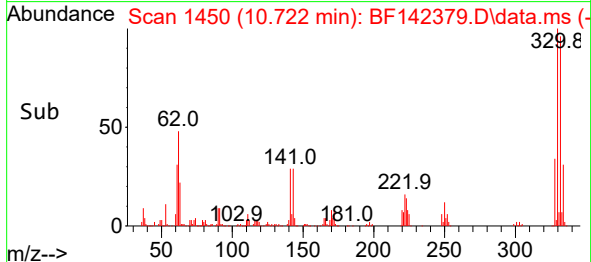
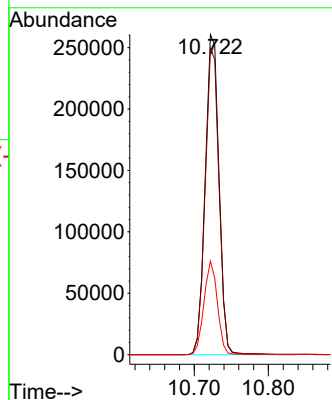
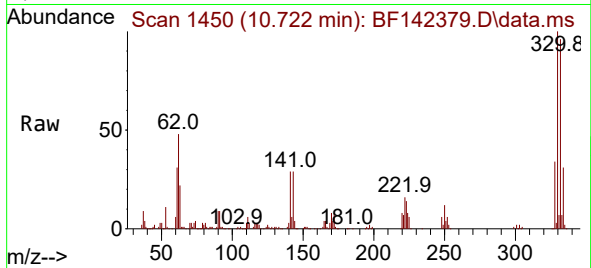




#42
2,4,6-Tribromophenol
Concen: 80.729 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

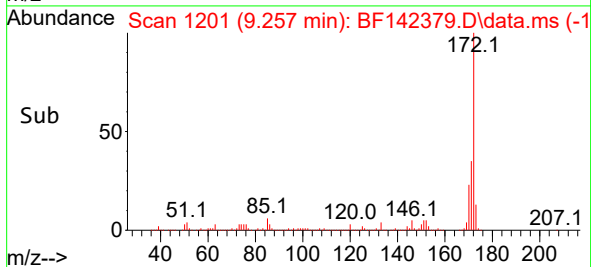
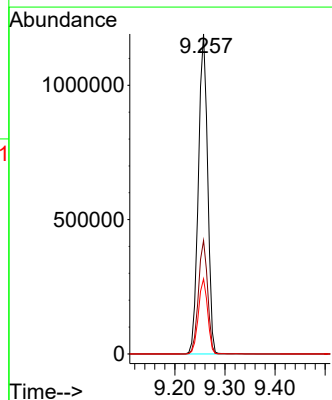
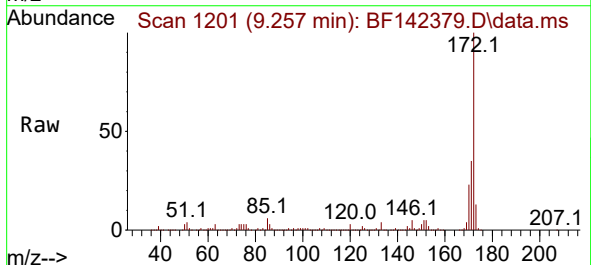
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BNA_F
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SOIL-STOCK

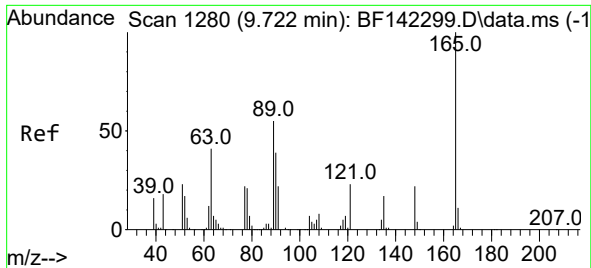
Tgt Ion:330 Resp: 338624
Ion Ratio Lower Upper
330 100
332 95.6 76.8 115.2
141 28.5 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 50.027 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

Tgt Ion:172 Resp: 1524287
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.4 19.0 28.4

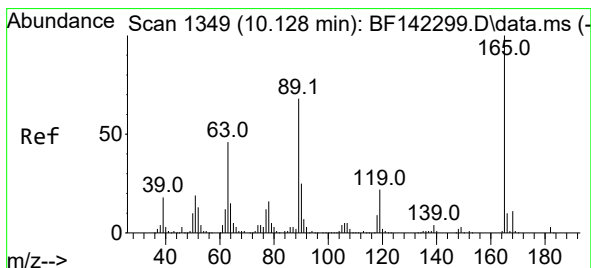
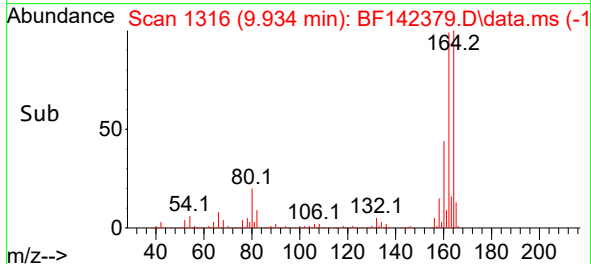
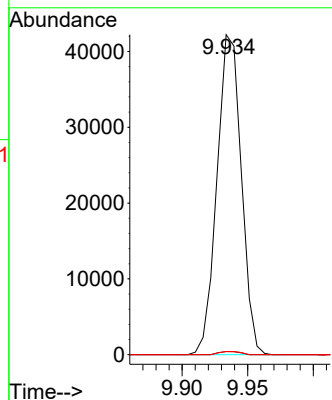
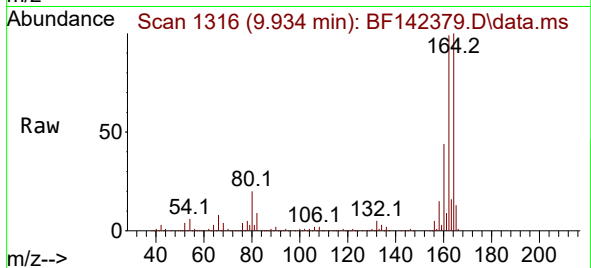




#51
2,6-Dinitrotoluene
Concen: 10.435 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

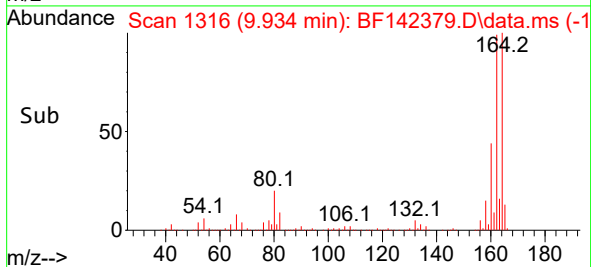
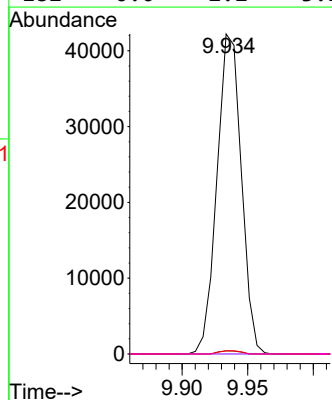
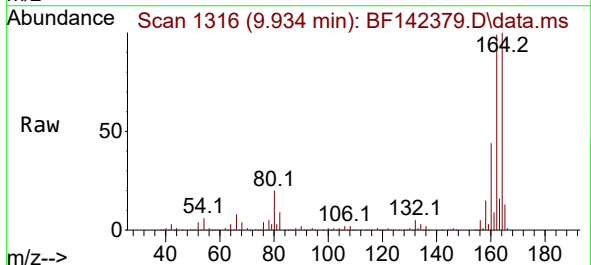
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SOIL-STOCK

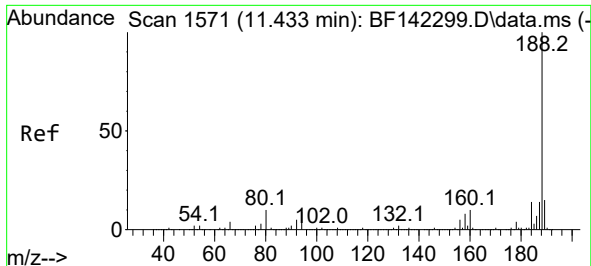
Tgt Ion:165 Resp: 54489
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 1.0 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.135 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.194 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

Tgt Ion:165 Resp: 54489
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#

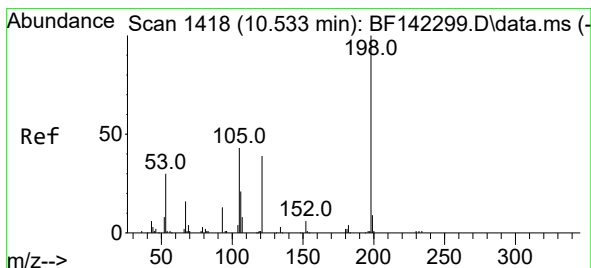
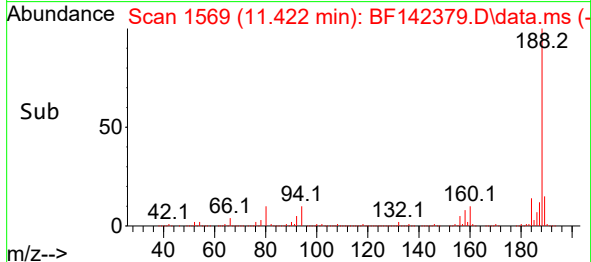
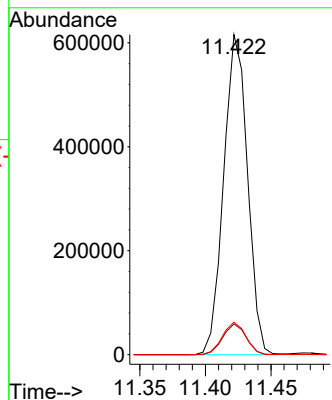
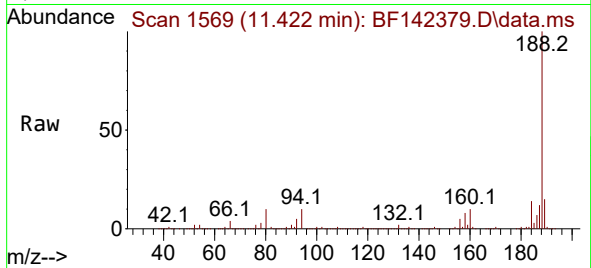




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

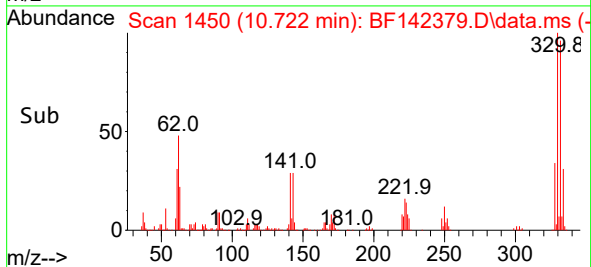
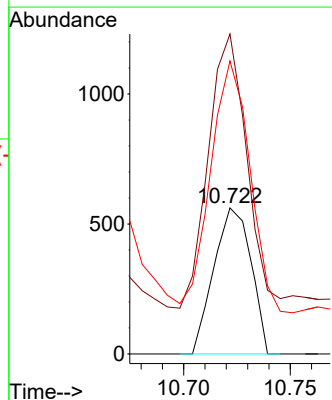
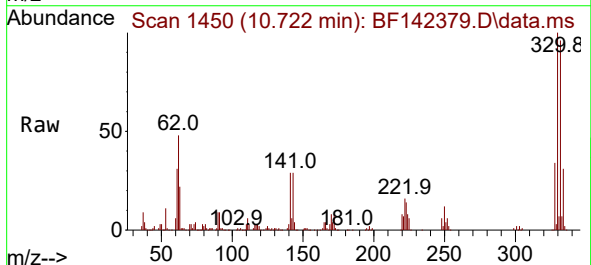
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

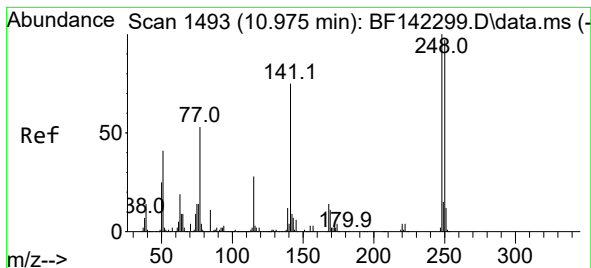
Tgt Ion:188 Resp: 777687
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.2 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.345 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.189 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

Tgt Ion:198 Resp: 681
Ion Ratio Lower Upper
198 100
51 219.0 32.9 72.9#
105 200.5 23.7 63.7#

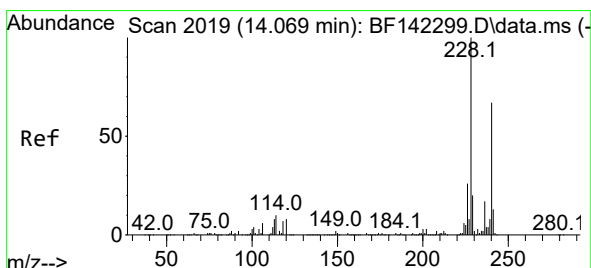
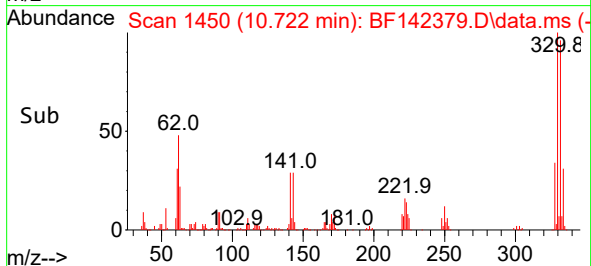
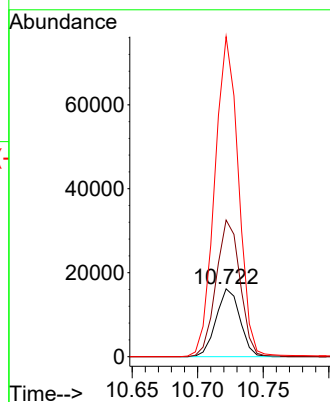
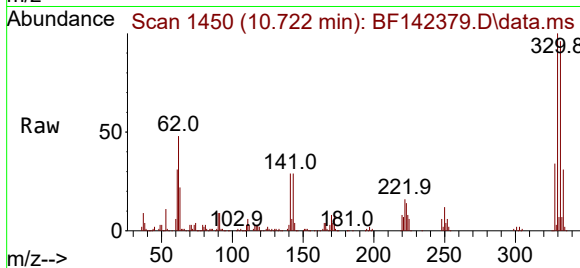




#67
4-Bromophenyl-phenylether
Concen: 2.318 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

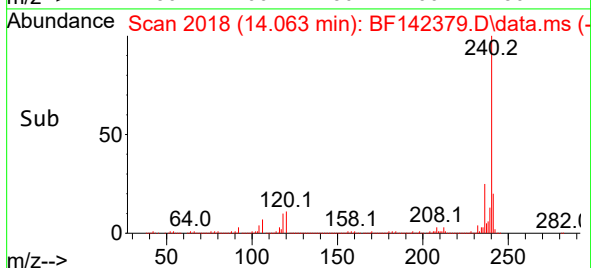
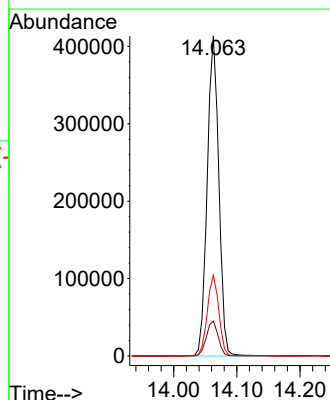
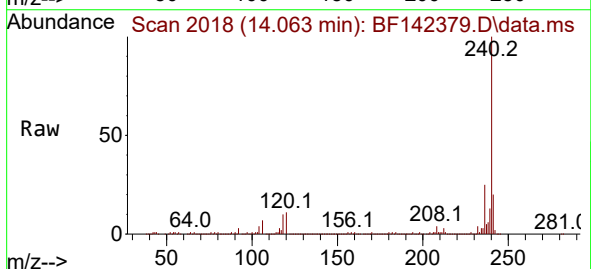
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

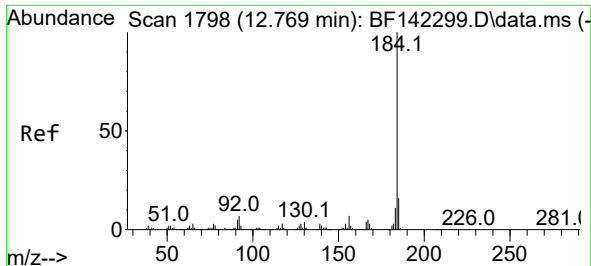
Tgt Ion:248 Resp: 20433
Ion Ratio Lower Upper
248 100
250 201.4 77.9 116.9#
141 471.8 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

Tgt Ion:240 Resp: 527172
Ion Ratio Lower Upper
240 100
120 10.9 9.7 14.5
236 25.2 20.0 30.0

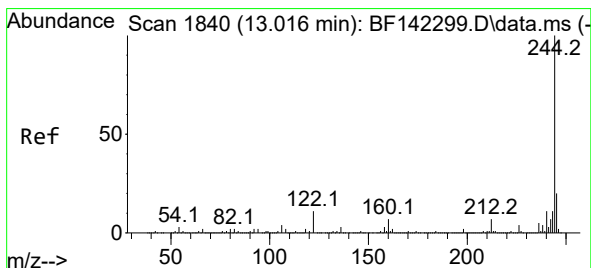
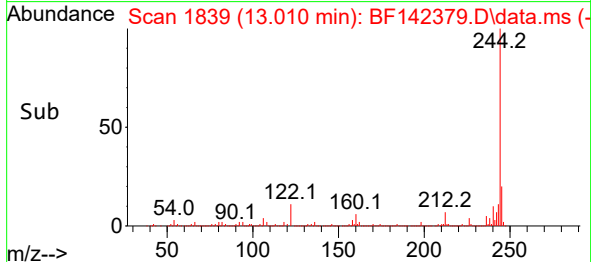
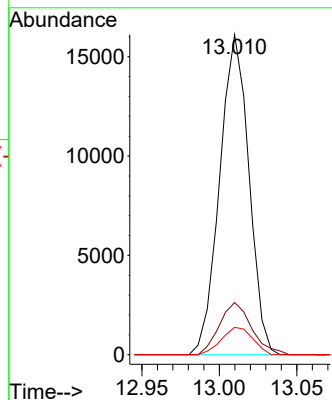
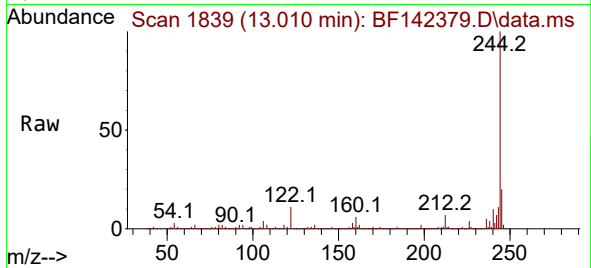




#77
Benzidine
Concen: 2.206 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.241 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

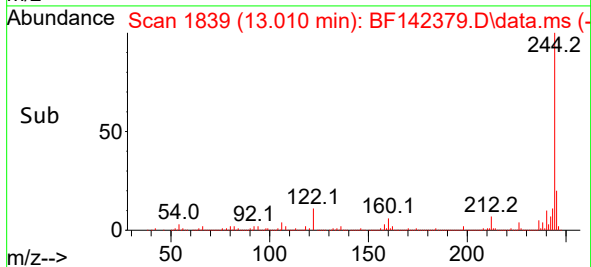
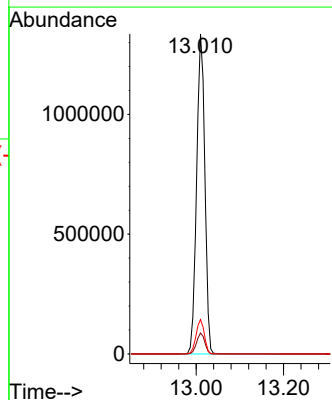
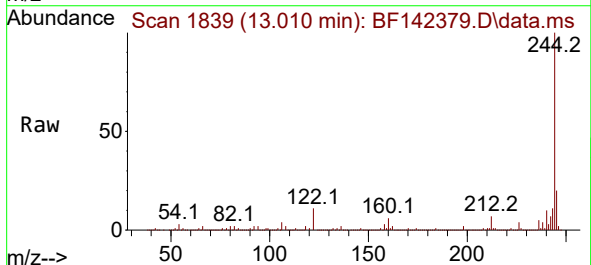
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

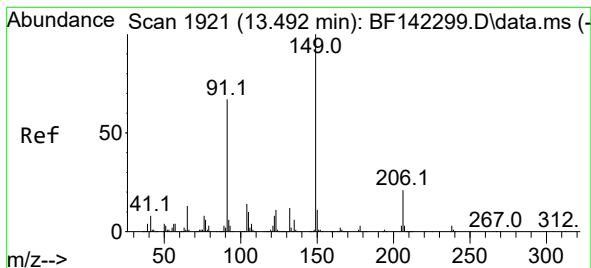
Tgt Ion:184 Resp: 21135
Ion Ratio Lower Upper
184 100
185 16.3 12.6 18.8
183 8.5 8.6 12.8#



#79
Terphenyl-d14
Concen: 49.261 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142379.D
Acq: 14 May 2025 21:35

Tgt Ion:244 Resp: 1754546
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 10.8 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.702 ng

RT: 13.480 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF142379.D

Acq: 14 May 2025 21:35

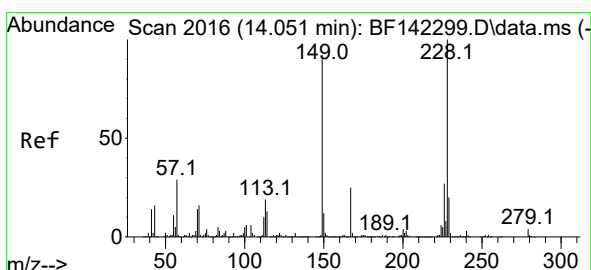
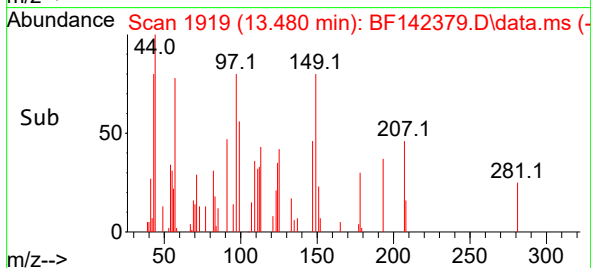
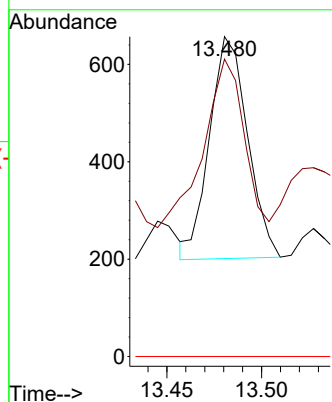
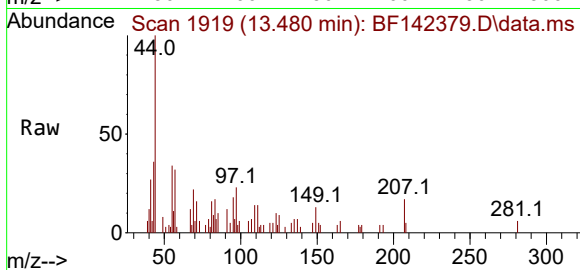
Instrument :

BNA_F

ClientSampleId :

SOIL-STOCK

Tgt Ion:149	Resp:	635
Ion Ratio	Lower	Upper
149	100	
91	93.0	53.8 80.6#
206	0.0	16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.483 ng

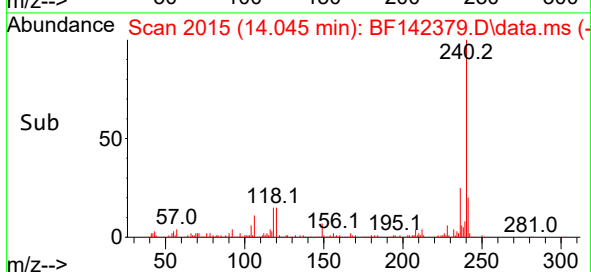
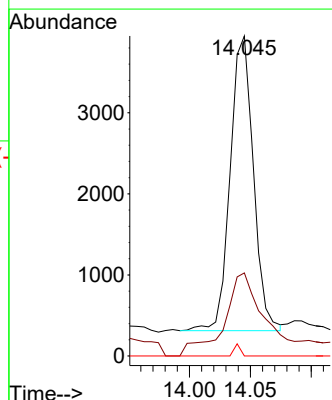
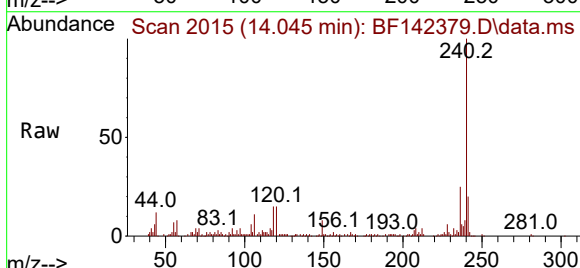
RT: 14.045 min Scan# 2015

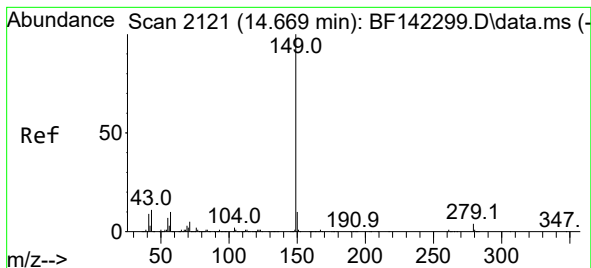
Delta R.T. -0.006 min

Lab File: BF142379.D

Acq: 14 May 2025 21:35

Tgt Ion:149	Resp:	4817
Ion Ratio	Lower	Upper
149	100	
167	26.0	22.0 33.0
279	0.0	3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.862 ng

RT: 14.657 min Scan# 2119

Delta R.T. -0.012 min

Lab File: BF142379.D

Acq: 14 May 2025 21:35

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCK

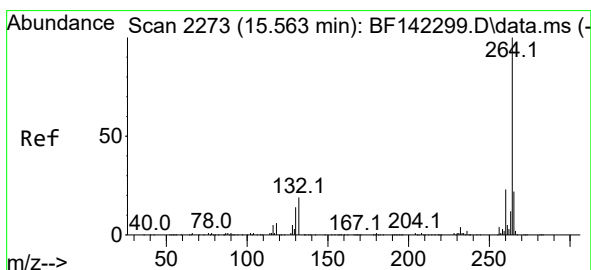
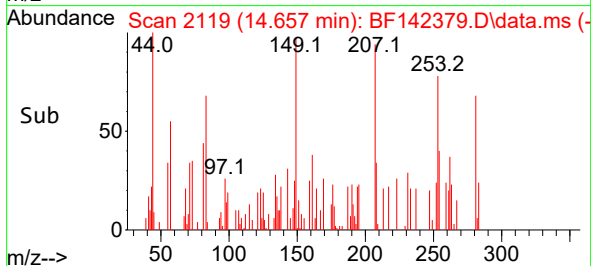
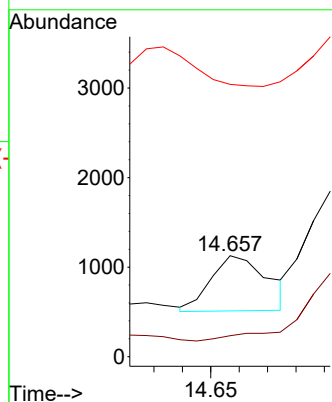
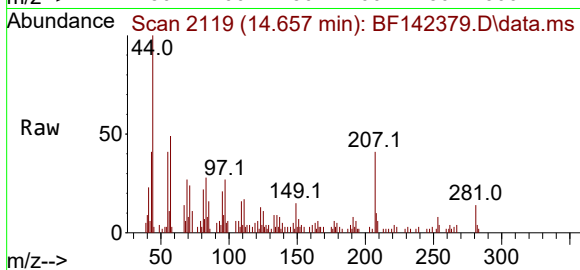
Tgt Ion:149 Resp: 852

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF142379.D

Acq: 14 May 2025 21:35

Tgt Ion:264 Resp: 453790

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.3 17.5 26.3

