

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142332.D
 Acq On : 12 May 2025 21:02
 Operator : RC/JU
 Sample : Q2004-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCK

Quant Time: May 13 01:05:36 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)

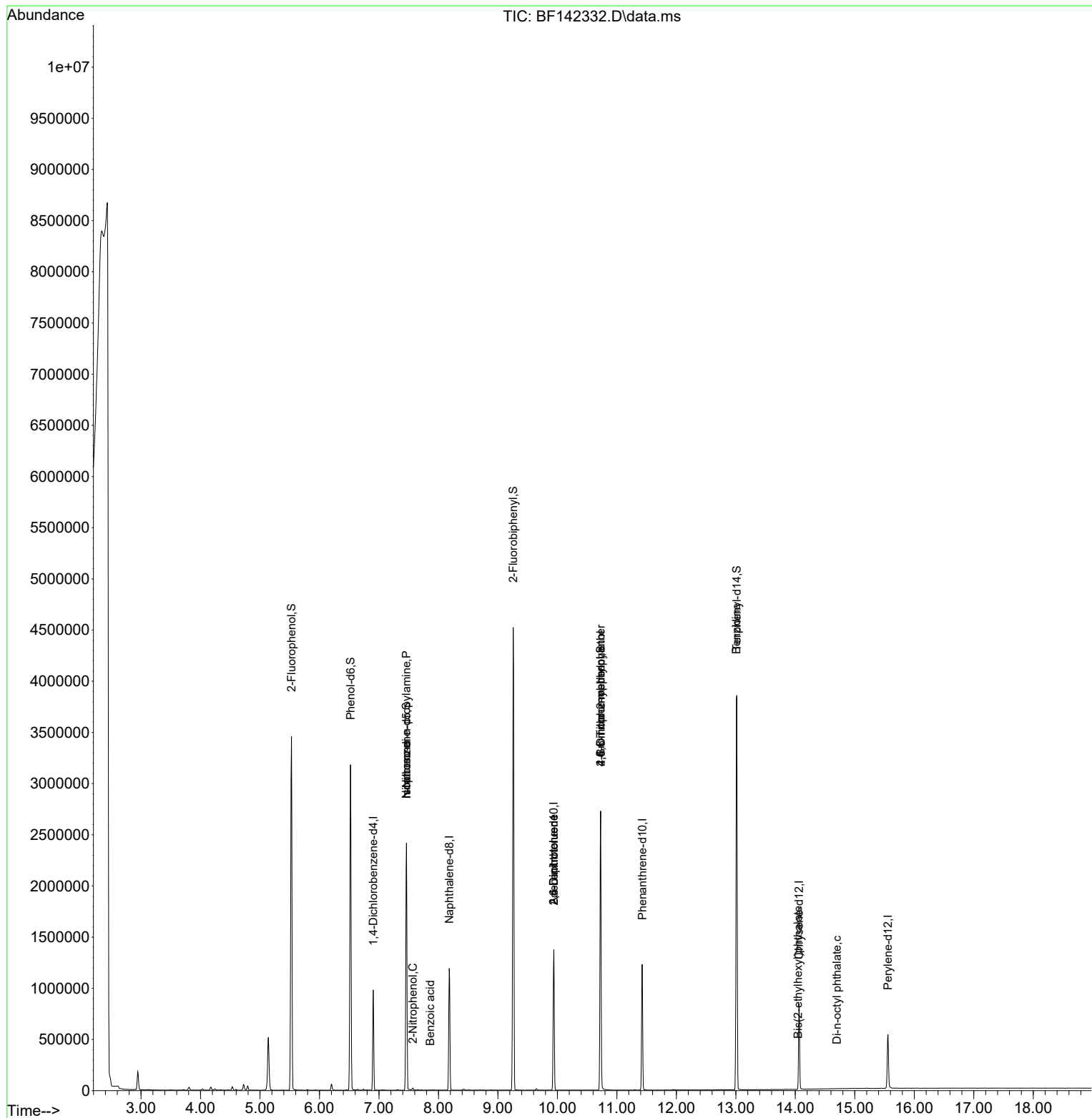
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	205545	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	771721	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	405762	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	652605	20.000	ng	0.00
76) Chrysene-d12	14.063	240	398248	20.000	ng	0.00
86) Perylene-d12	15.557	264	316337	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1371782	113.928	ng	0.02
7) Phenol-d6	6.522	99	1529791	103.300	ng	0.00
23) Nitrobenzene-d5	7.463	82	1025396	81.034	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	497006	126.866	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2142607	75.293	ng	0.00
79) Terphenyl-d14	13.016	244	1968216	73.150	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	137453	15.005	ng	# 79
25) Isophorone	7.463	82	1021777	42.642	ng	# 62
26) 2-Nitrophenol	7.569	139	64	4.098	ng	# 36
32) Benzoic acid	7.863	122	494	6.093	ng	# 67
51) 2,6-Dinitrotoluene	9.939	165	52910	10.849	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	52910	8.458	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.727	198	1049	7.478	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	29911	4.044	ng	# 1
77) Benzidine	13.010	184	23823	3.292	ng	# 96
84) Bis(2-ethylhexyl)phtha...	14.045	149	523	4.272	ng	# 52
85) Di-n-octyl phthalate	14.698	149	55	7.842	ng	# 1

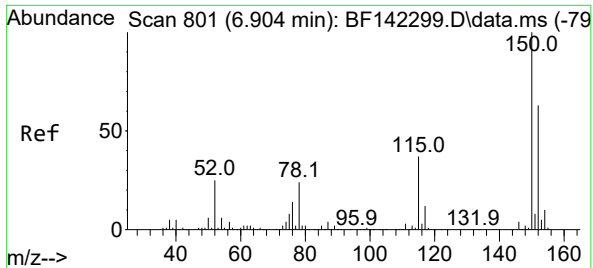
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
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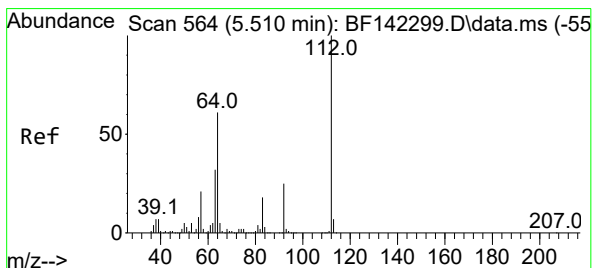
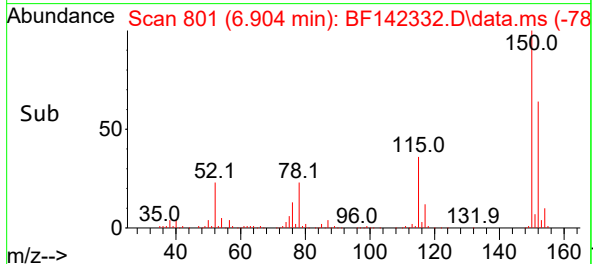
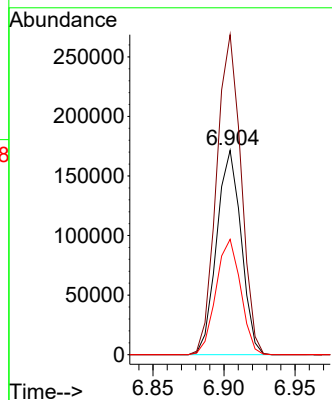
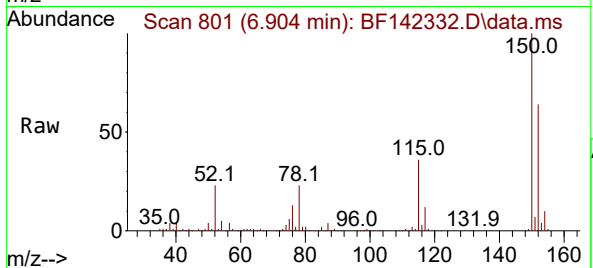




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

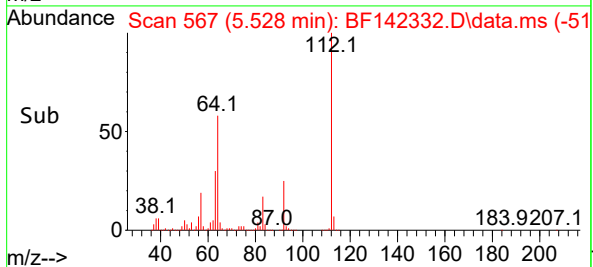
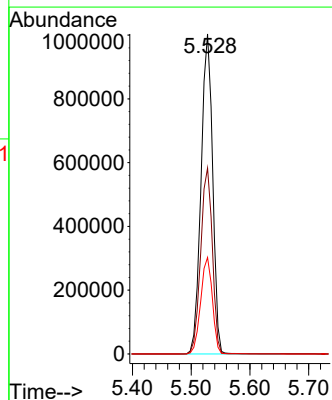
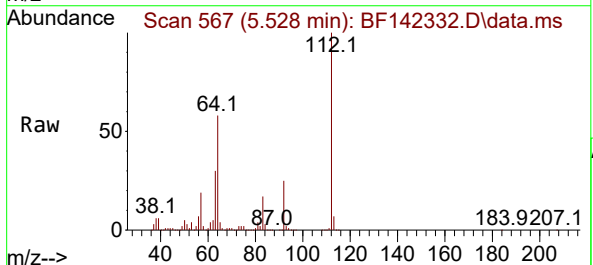
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

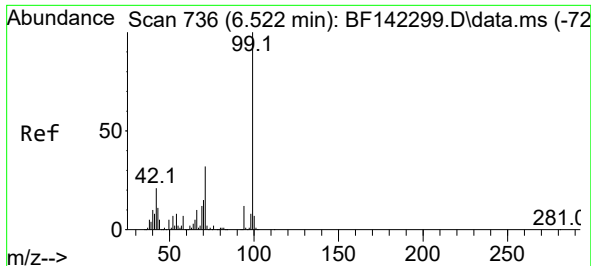
Tgt Ion:152 Resp: 205545
Ion Ratio Lower Upper
152 100
150 156.6 126.6 190.0
115 56.5 47.3 70.9



#5
2-Fluorophenol
Concen: 113.928 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Tgt Ion:112 Resp: 1371782
Ion Ratio Lower Upper
112 100
64 58.1 48.9 73.3
63 30.2 25.6 38.4

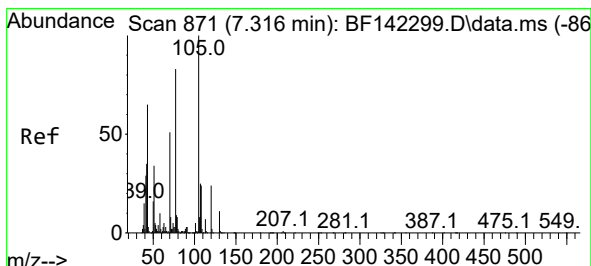
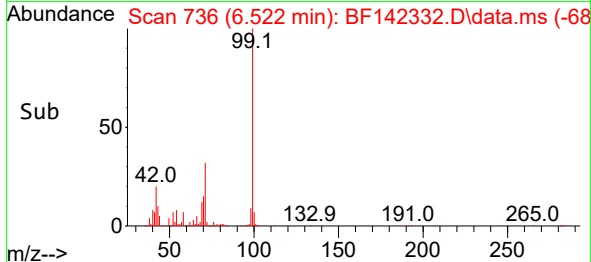
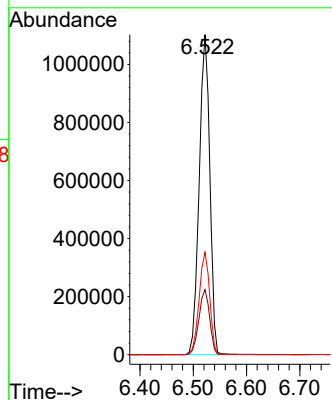
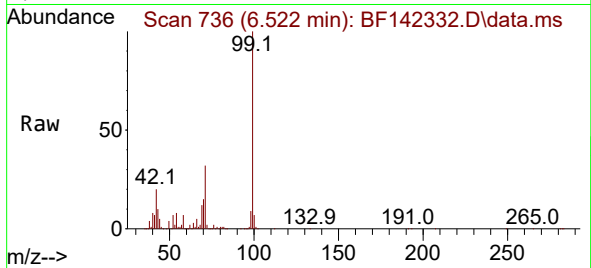




#7
Phenol-d6
Concen: 103.300 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

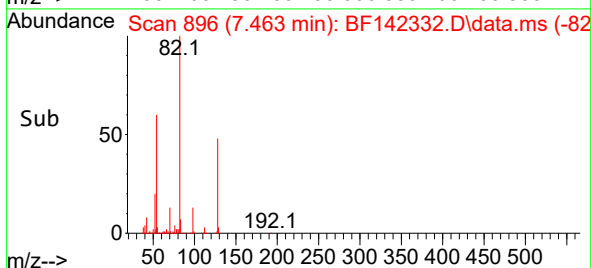
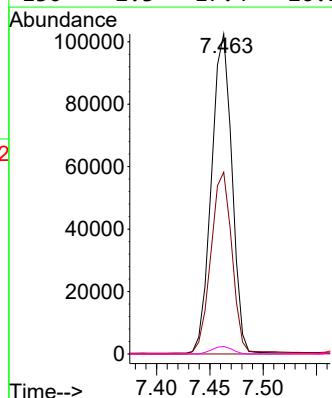
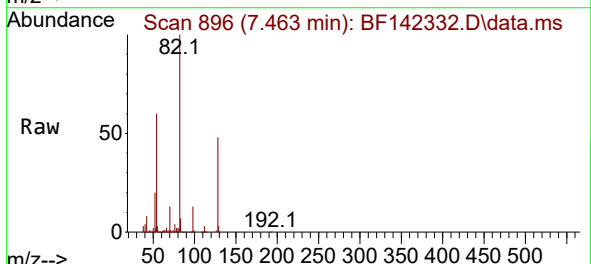
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

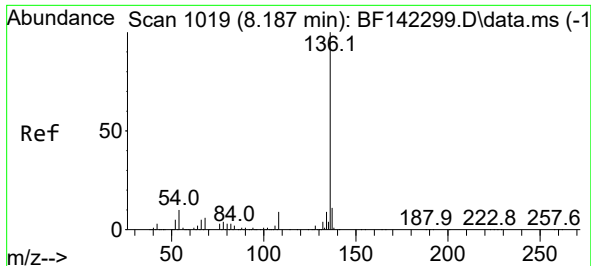
Tgt Ion: 99 Resp: 1529791
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.4
71 32.0 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.005 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Tgt Ion: 70 Resp: 137453
Ion Ratio Lower Upper
70 100
42 56.8 54.8 82.2
101 0.0 7.7 11.5#
130 2.3 17.4 26.2#

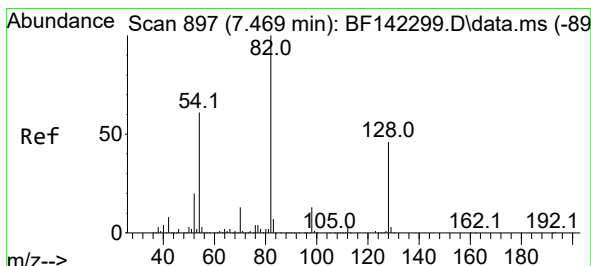
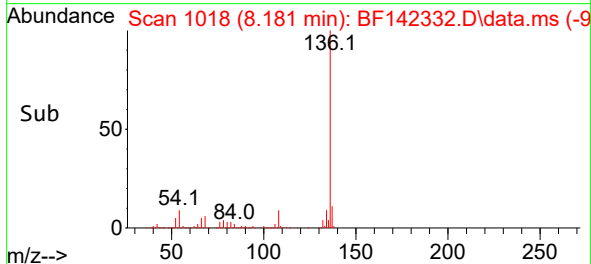
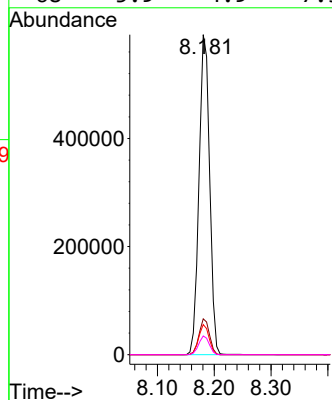
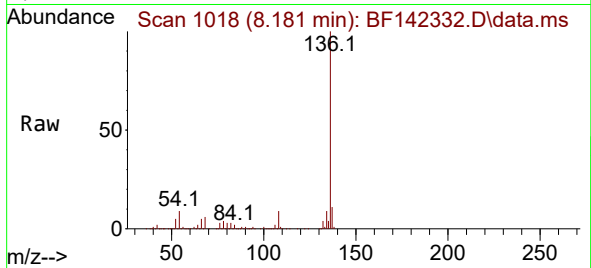




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

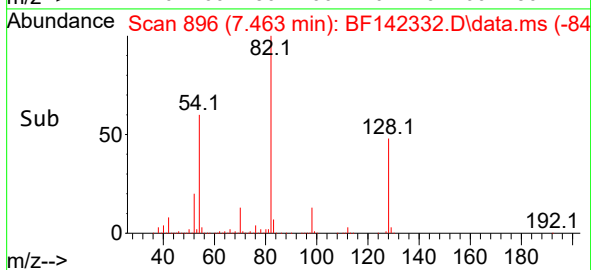
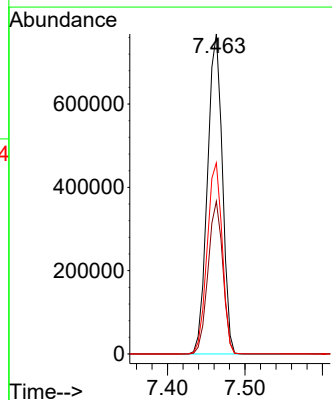
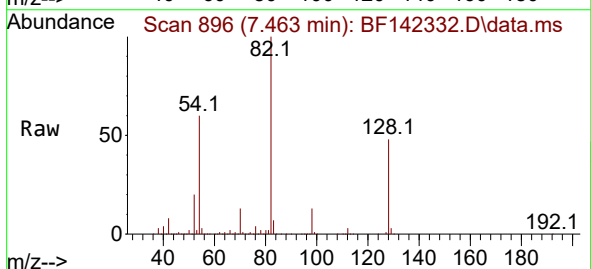
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

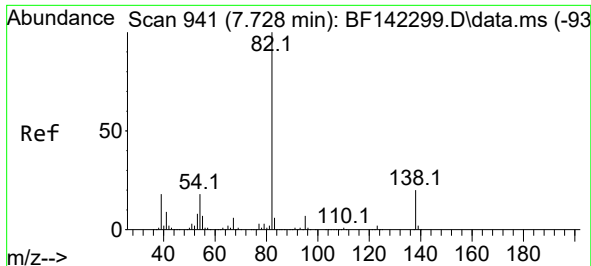
Tgt Ion:136	Resp: 771721
Ion Ratio	Lower Upper
136 100	
137 11.2	8.9 13.3
54 9.4	7.7 11.5
68 5.9	4.9 7.3



#23
Nitrobenzene-d5
Concen: 81.034 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Tgt Ion: 82		Resp: 1025396	
Ion	Ratio	Lower	Upper
82	100		
128	47.7	37.0	55.6
54	59.7	48.6	73.0

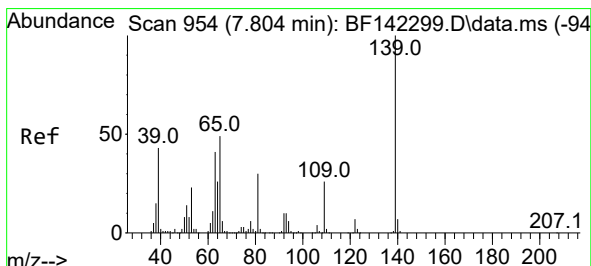
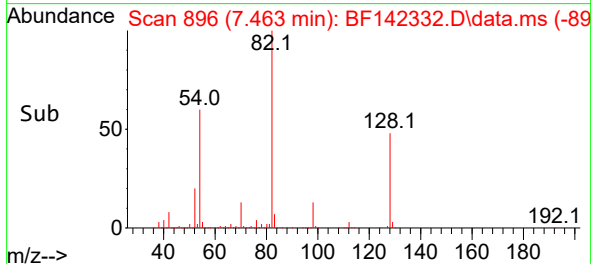
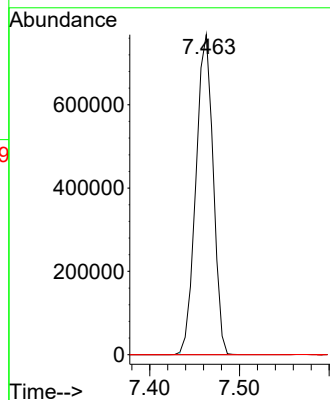
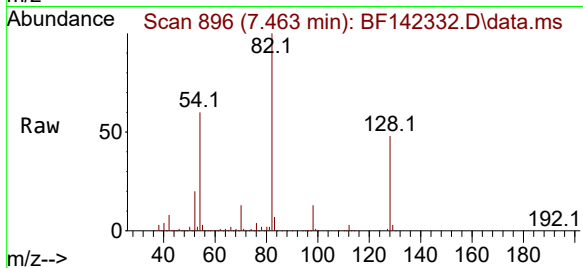




#25
Isophorone
Concen: 42.642 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

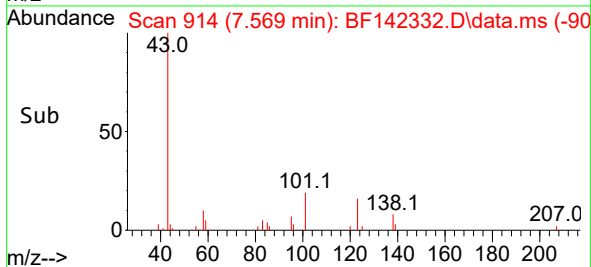
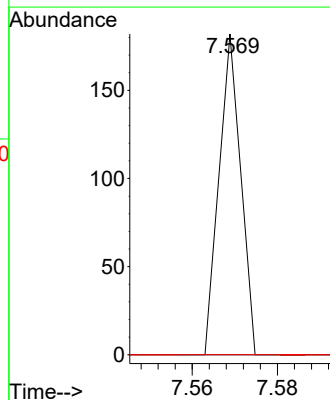
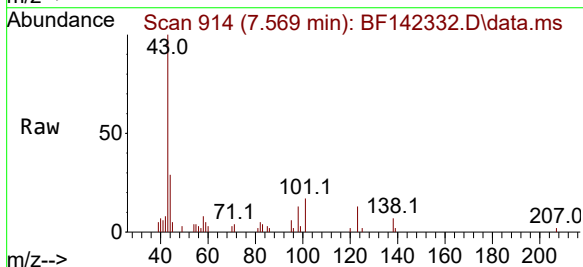
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

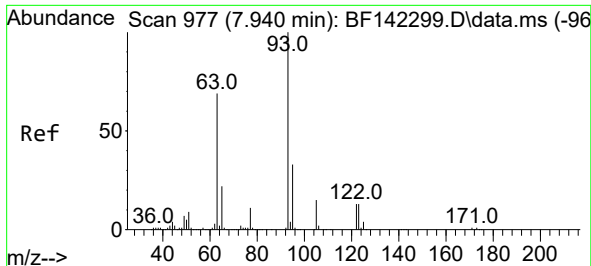
Tgt Ion: 82 Resp: 1021777
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.098 ng
RT: 7.569 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Tgt Ion:139 Resp: 64
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

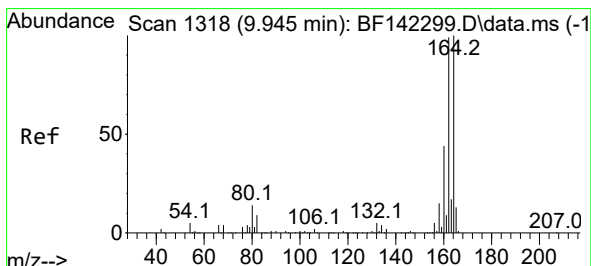
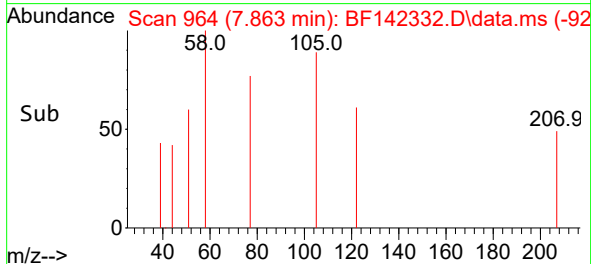
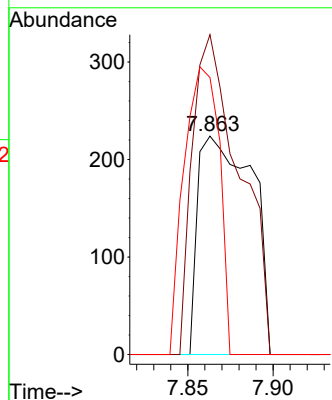
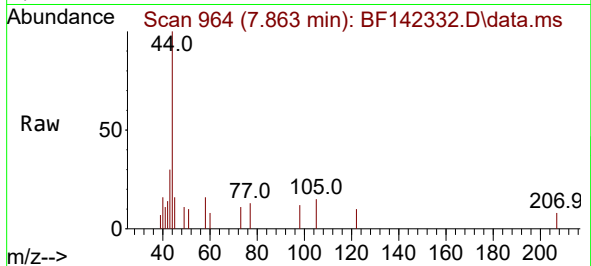




#32
Benzoic acid
Concen: 6.093 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.077 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

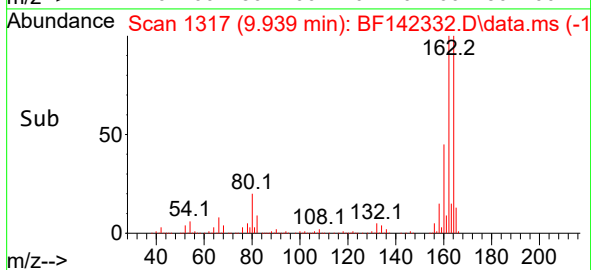
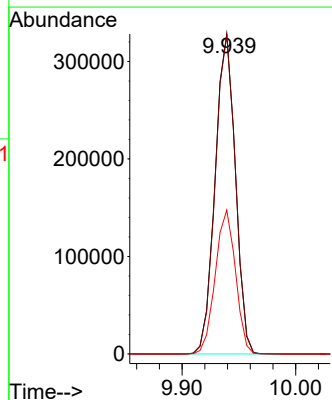
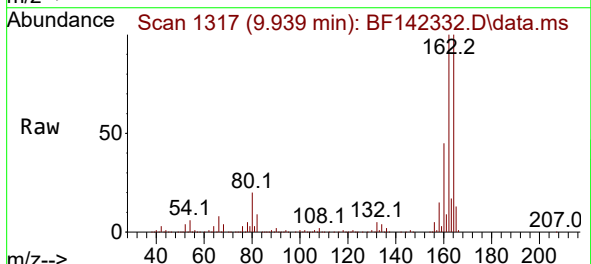
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

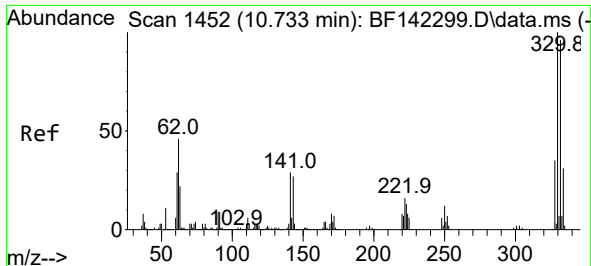
Tgt Ion:122 Resp: 494
Ion Ratio Lower Upper
122 100
105 146.4 97.9 137.9#
77 126.8 67.7 107.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Tgt Ion:164 Resp: 405762
Ion Ratio Lower Upper
164 100
162 99.7 79.2 118.8
160 44.9 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 126.866 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142332.D

Acq: 12 May 2025 21:02

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCK

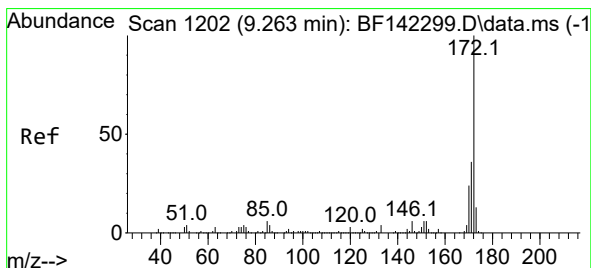
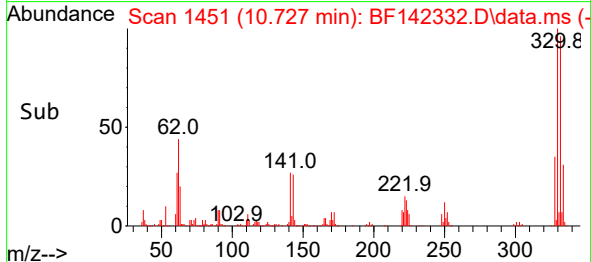
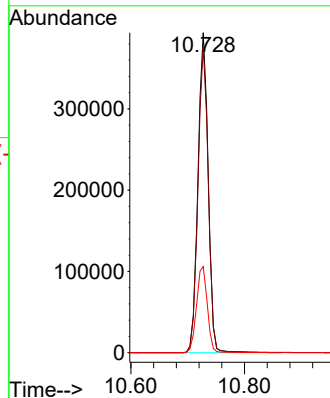
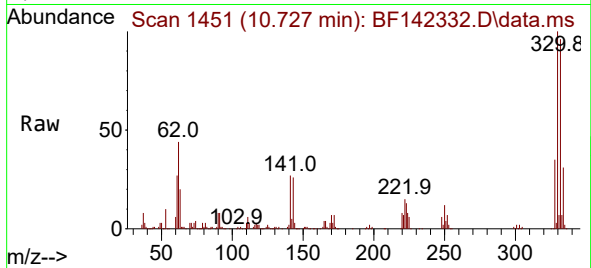
Tgt Ion:330 Resp: 497006

Ion Ratio Lower Upper

330 100

332 95.9 76.8 115.2

141 28.4 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 75.293 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142332.D

Acq: 12 May 2025 21:02

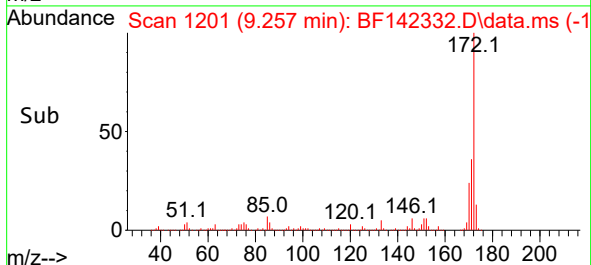
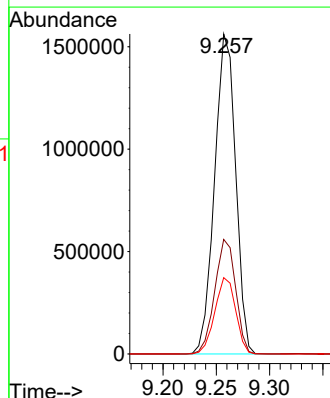
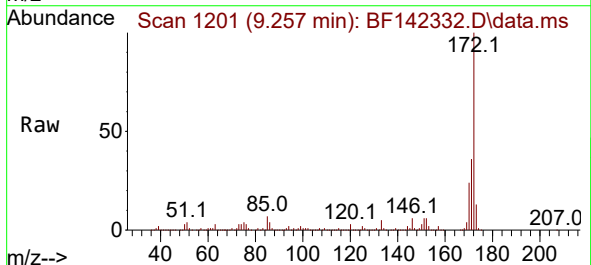
Tgt Ion:172 Resp: 2142607

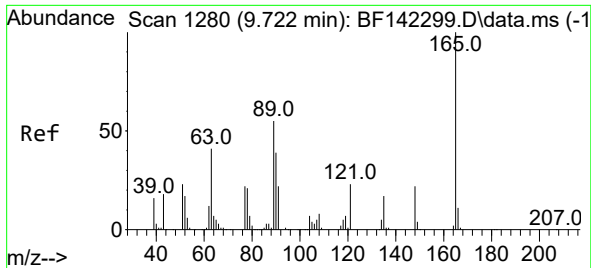
Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.9 19.0 28.4

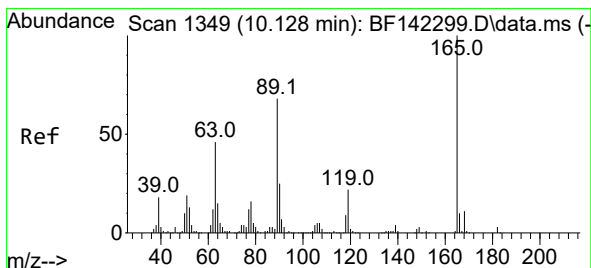
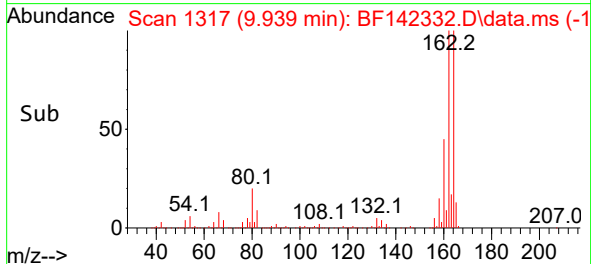
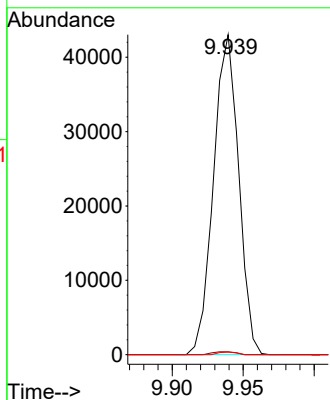
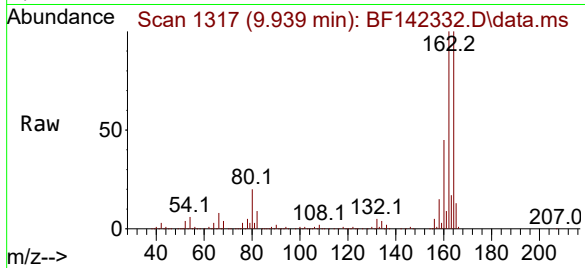




#51
2,6-Dinitrotoluene
Concen: 10.849 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

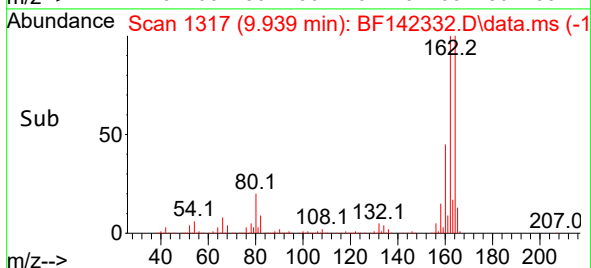
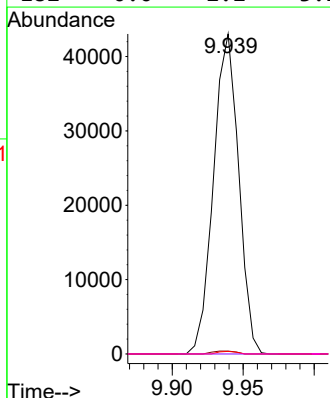
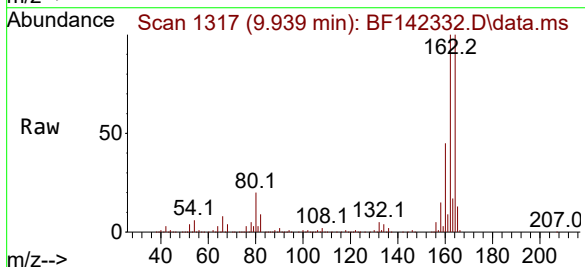
Instrument :
BNA_F
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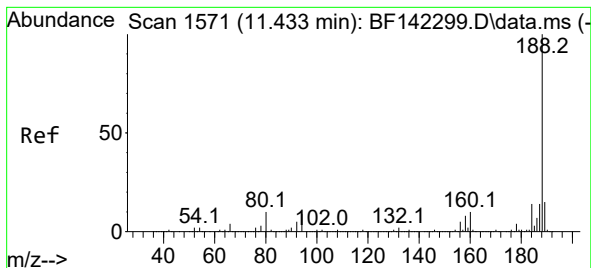
Tgt Ion:165 Resp: 52910
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 0.8 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.458 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Tgt Ion:165 Resp: 52910
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 0.8 54.4 81.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142332.D

Acq: 12 May 2025 21:02

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCK

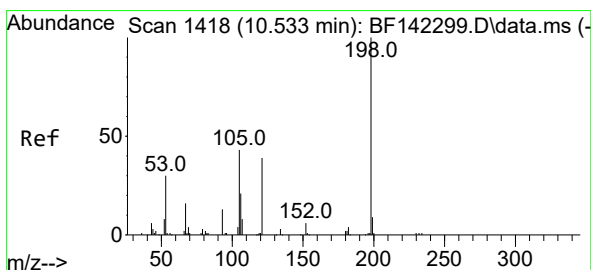
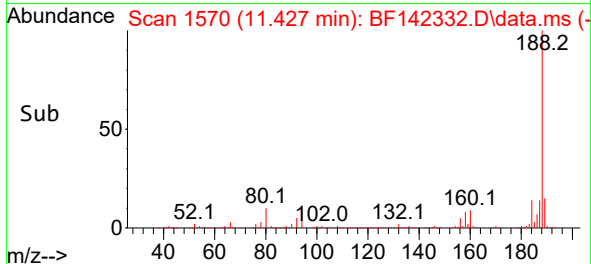
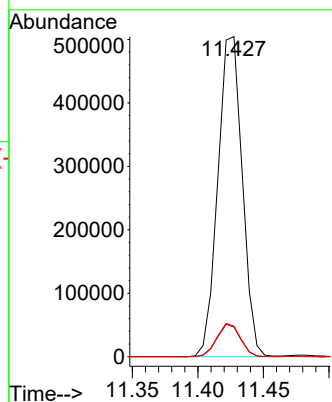
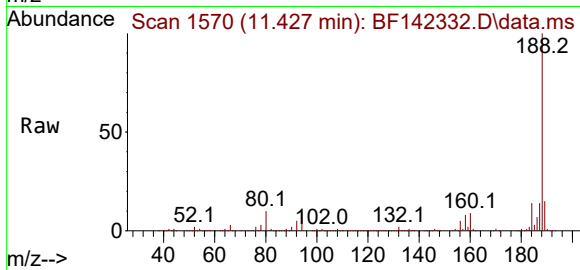
Tgt Ion:188 Resp: 652605

Ion Ratio Lower Upper

188 100

94 9.2 7.5 11.3

80 9.5 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.478 ng

RT: 10.727 min Scan# 1451

Delta R.T. 0.194 min

Lab File: BF142332.D

Acq: 12 May 2025 21:02

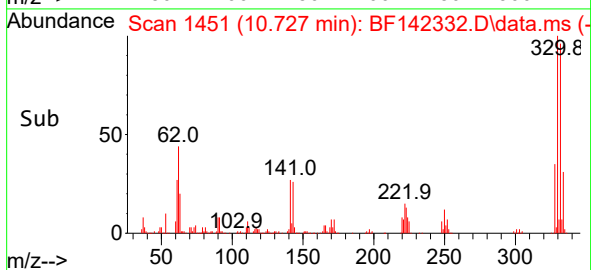
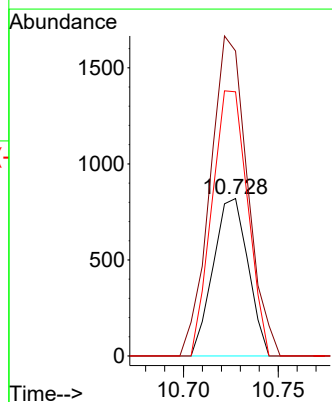
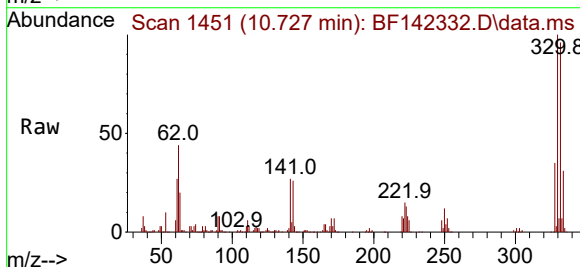
Tgt Ion:198 Resp: 1049

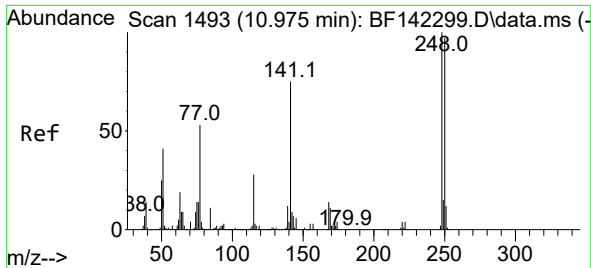
Ion Ratio Lower Upper

198 100

51 193.7 32.9 72.9#

105 167.7 23.7 63.7#

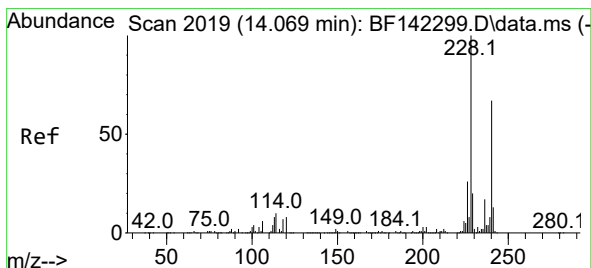
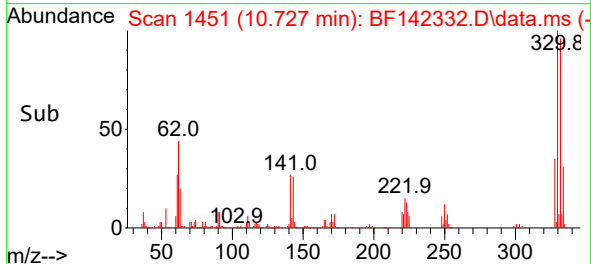
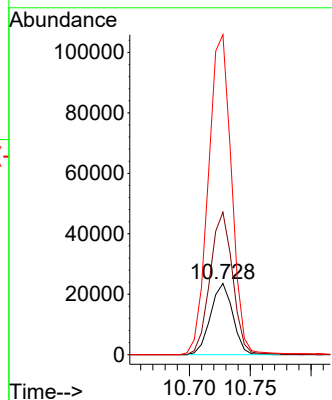
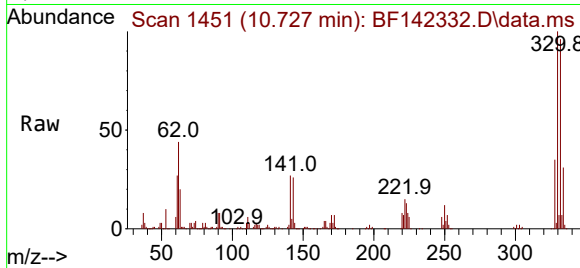




#67
4-Bromophenyl-phenylether
Concen: 4.044 ng
RT: 10.727 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

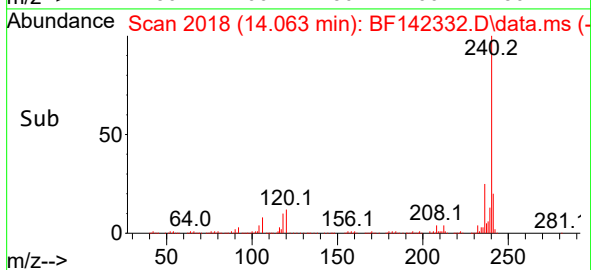
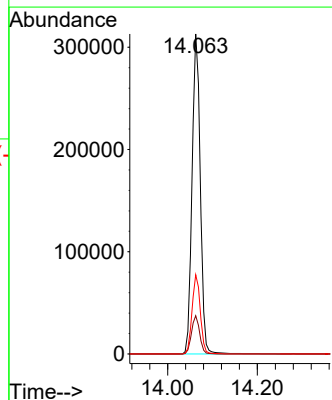
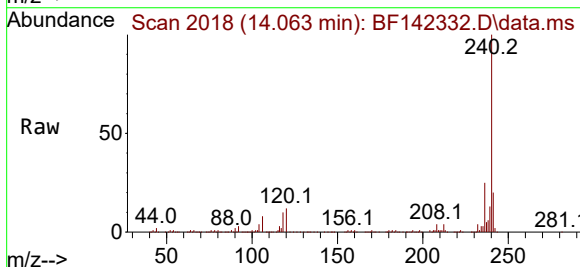
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

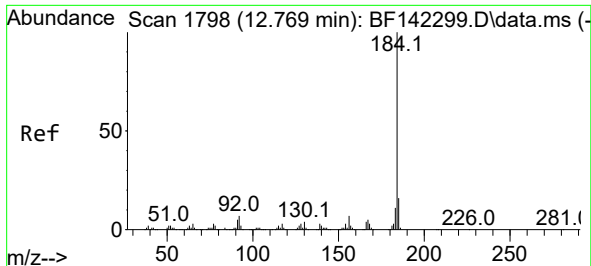
Tgt Ion:248 Resp: 29911
Ion Ratio Lower Upper
248 100
250 200.2 77.9 116.9#
141 449.8 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Tgt Ion:240 Resp: 398248
Ion Ratio Lower Upper
240 100
120 11.9 9.7 14.5
236 24.8 20.0 30.0

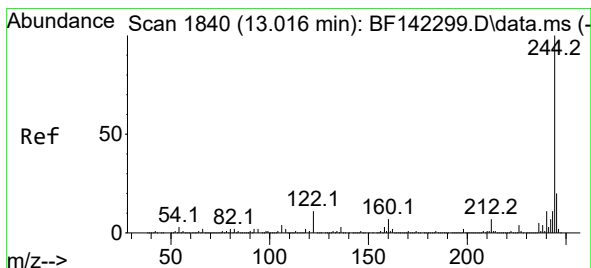
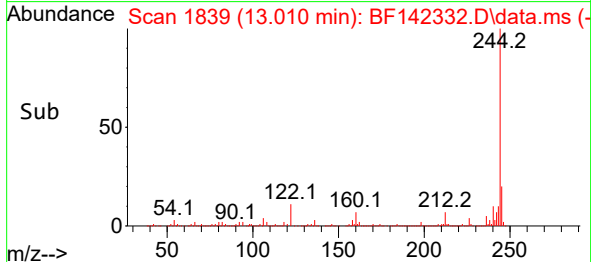
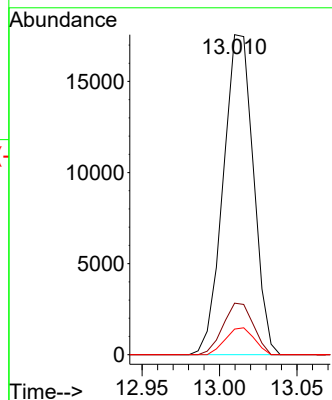
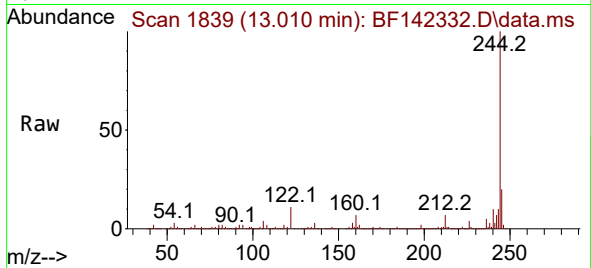




#77
Benzidine
Concen: 3.292 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.241 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

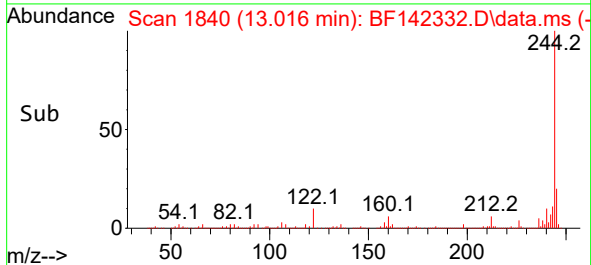
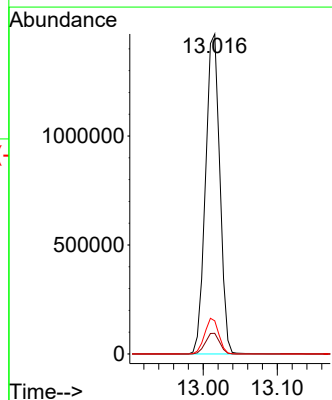
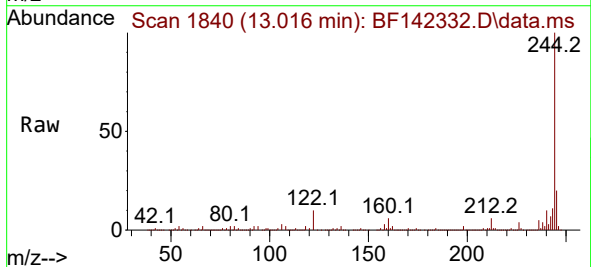
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK

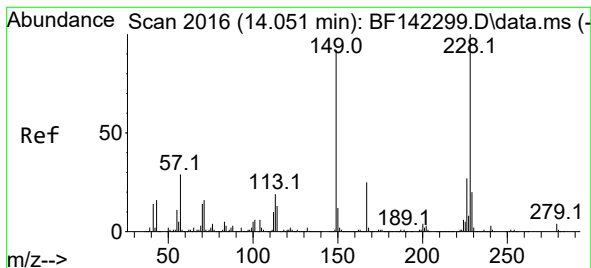
Tgt Ion:184 Resp: 23823
Ion Ratio Lower Upper
184 100
185 16.1 12.6 18.8
183 8.0 8.6 12.8#



#79
Terphenyl-d14
Concen: 73.150 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Tgt Ion:244 Resp: 1968216
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.4 9.0 13.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.272 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142332.D

Acq: 12 May 2025 21:02

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCK

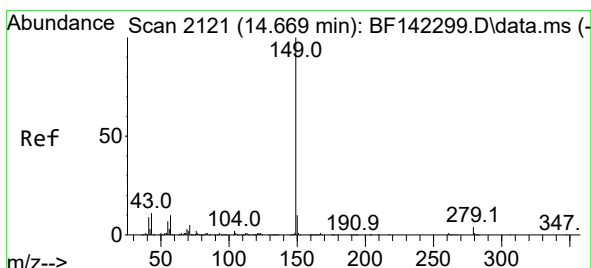
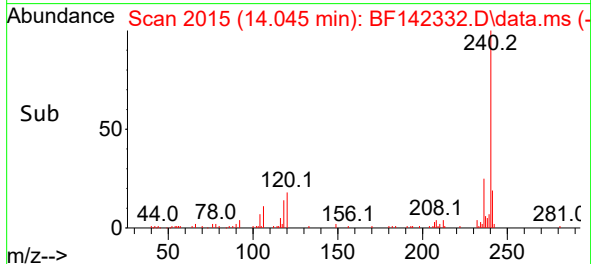
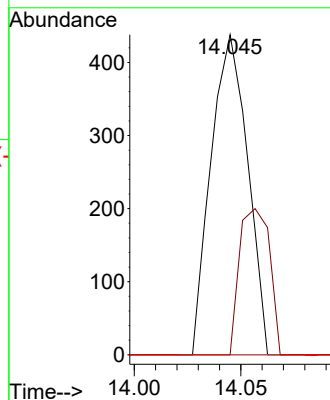
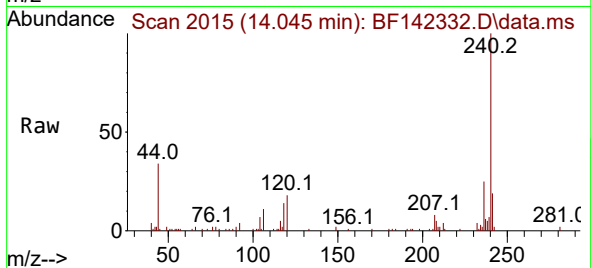
Tgt Ion:149 Resp: 523

Ion Ratio Lower Upper

149 100

167 0.0 22.0 33.0#

279 0.0 3.0 4.6#



#85

Di-n-octyl phthalate

Concen: 7.842 ng

RT: 14.698 min Scan# 2126

Delta R.T. 0.029 min

Lab File: BF142332.D

Acq: 12 May 2025 21:02

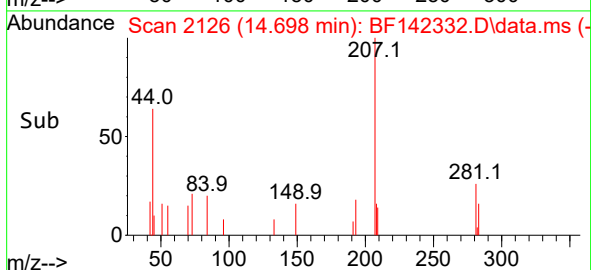
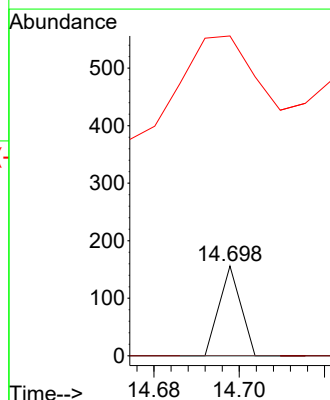
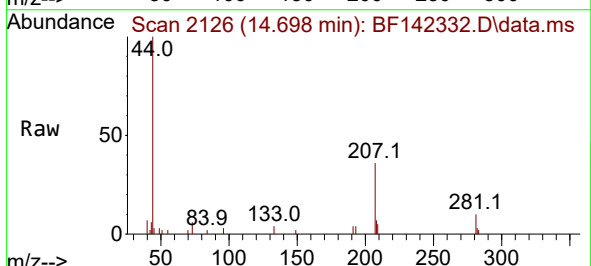
Tgt Ion:149 Resp: 55

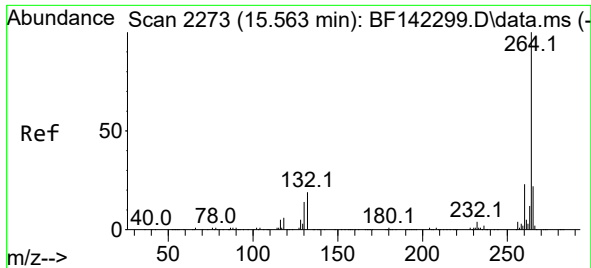
Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

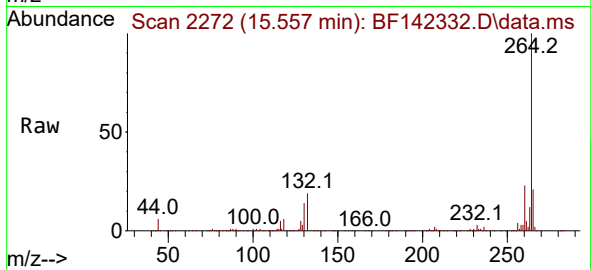
43 407.3 9.2 13.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142332.D
Acq: 12 May 2025 21:02

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCK



Tgt Ion:264 Resp: 316337
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 20.9 17.5 26.3

