

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
 Data File : BF144184.D
 Acq On : 06 Nov 2025 13:26
 Operator : RC/JU
 Sample : Q3537-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-17-SOIL

Quant Time: Nov 06 13:48:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

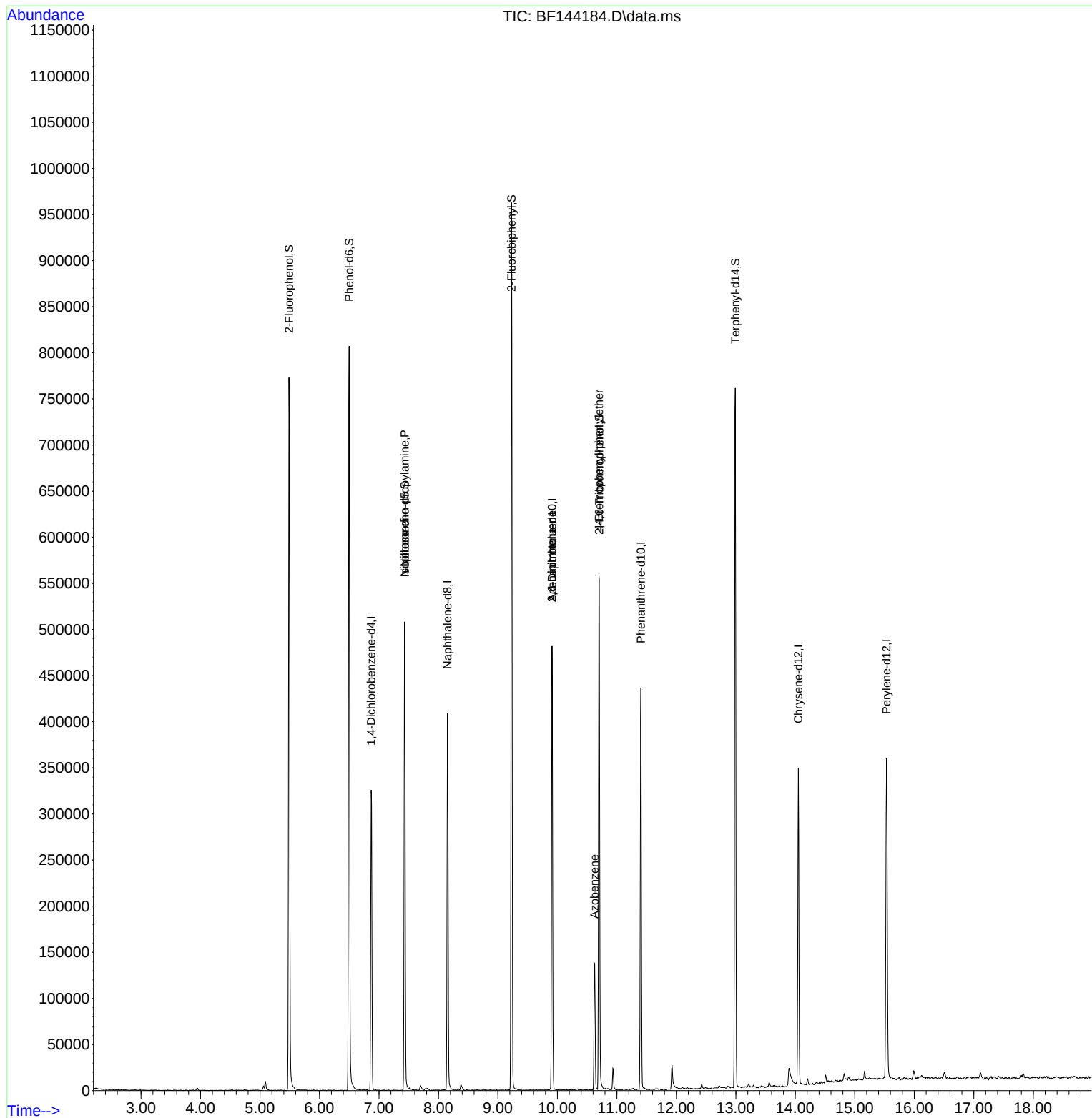
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	72912	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	276675	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	150551	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	245863	20.000	ng	0.00
76) Chrysene-d12	14.051	240	175476	20.000	ng	0.00
86) Perylene-d12	15.533	264	230830	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	312569	67.085	ng	0.00
7) Phenol-d6	6.498	99	351265	66.536	ng	0.00
23) Nitrobenzene-d5	7.434	82	213431	44.553	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	118800	62.882	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	437766	42.946	ng	0.00
79) Terphenyl-d14	12.992	244	413119	37.395	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	29983	8.627	ng	# 77
25) Isophorone	7.434	82	213429	23.554	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	18640	9.232	ng	# 27
57) 2,4-Dinitrotoluene	9.910	165	18640	6.896	ng	# 27
63) Azobenzene	10.622	77	36232	4.234	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	7383	2.353	ng	# 1

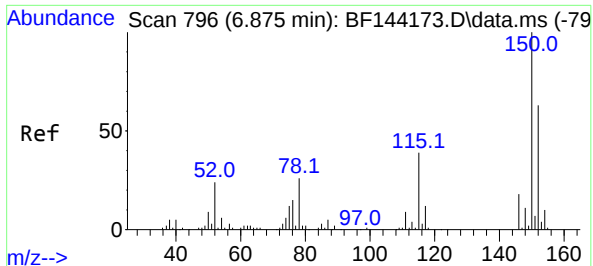
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
Data File : BF144184.D
Acq On : 06 Nov 2025 13:26
Operator : RC/JU
Sample : Q3537-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-17-SOIL

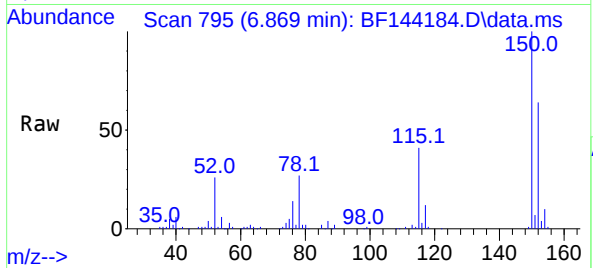
Quant Time: Nov 06 13:48:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



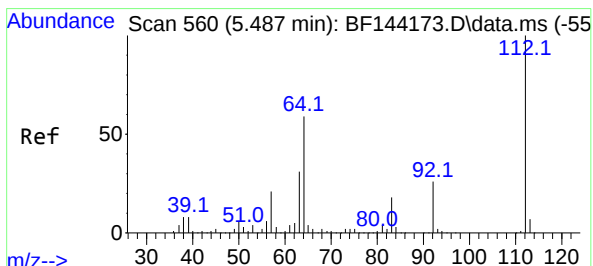
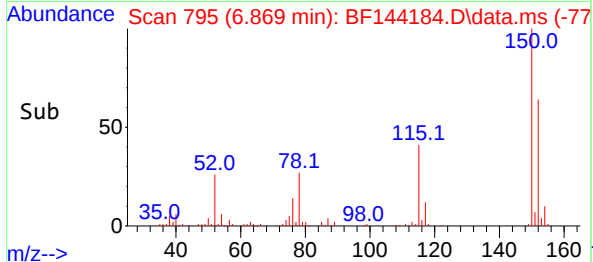
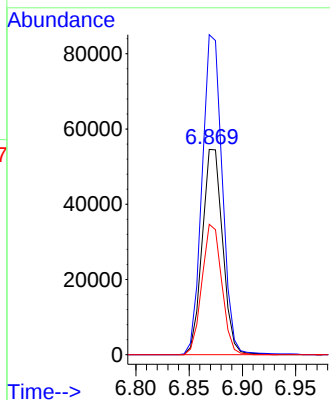


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

Instrument :
BNA_F
ClientSampleId :
MW-17-SOIL

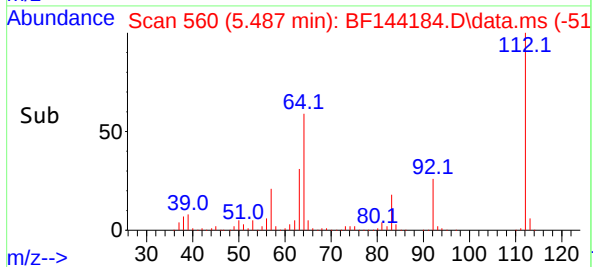
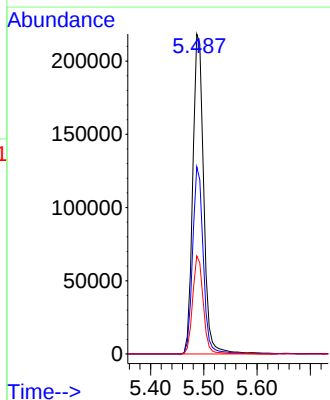
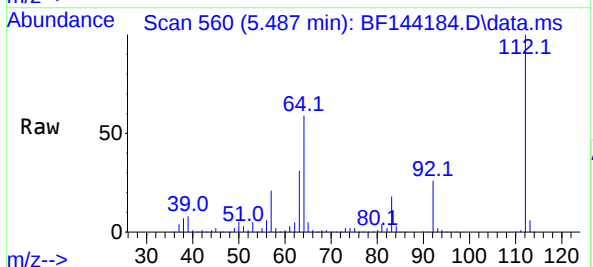


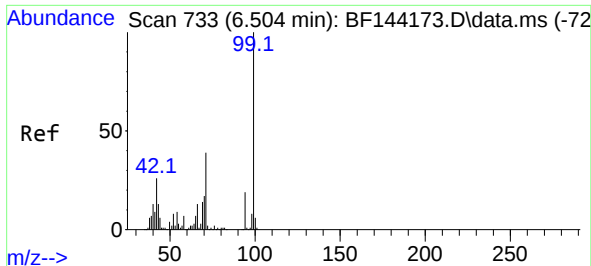
Tgt Ion:152 Resp: 72912
Ion Ratio Lower Upper
152 100
150 155.8 127.4 191.0
115 63.5 49.5 74.3



#5
2-Fluorophenol
Concen: 67.085 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

Tgt Ion:112 Resp: 312569
Ion Ratio Lower Upper
112 100
64 58.5 47.2 70.8
63 30.6 24.4 36.6

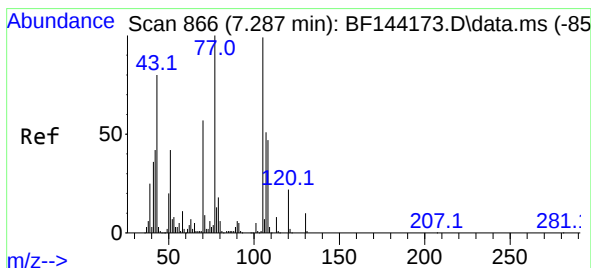
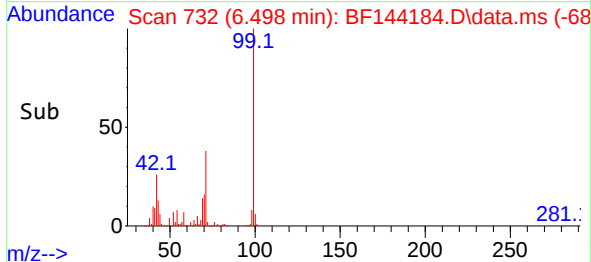
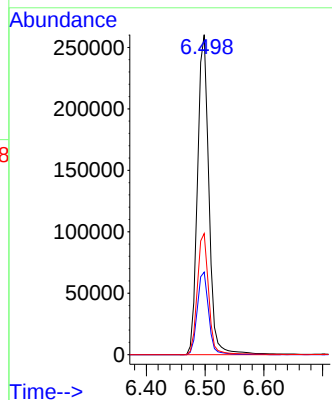
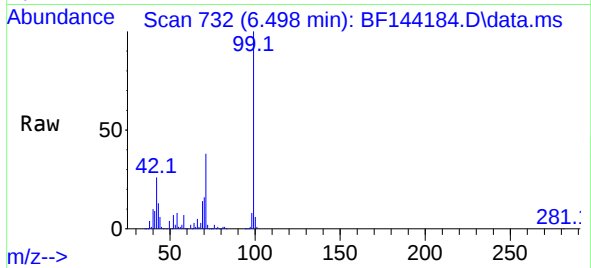




#7
Phenol-d6
Concen: 66.536 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

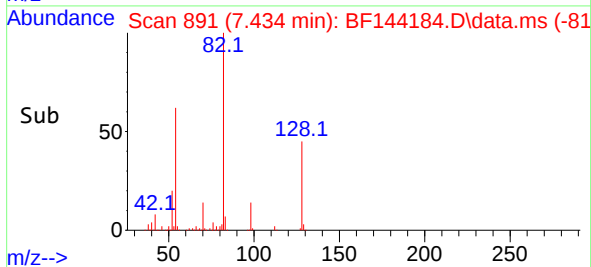
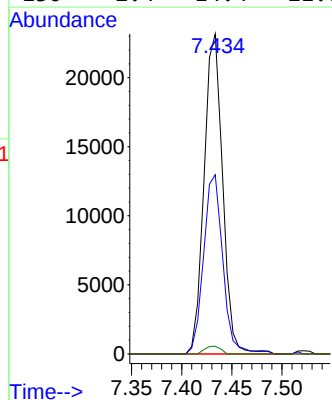
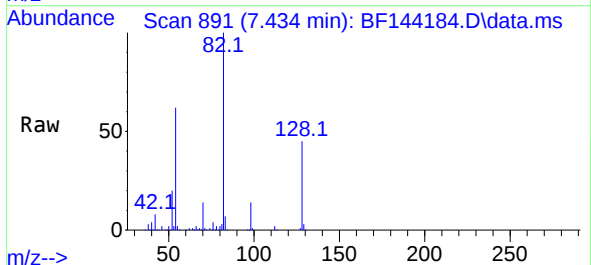
Instrument :
BNA_F
ClientSampleId :
MW-17-SOIL

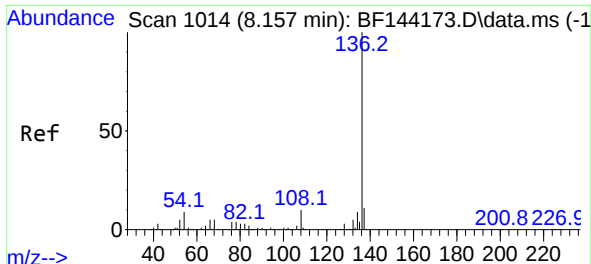
Tgt Ion: 99 Resp: 351265
Ion Ratio Lower Upper
99 100
42 25.8 20.9 31.3
71 37.8 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.627 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

Tgt Ion: 70 Resp: 29983
Ion Ratio Lower Upper
70 100
42 56.0 58.3 87.5#
101 0.0 7.0 10.6#
130 2.4 14.4 21.6#



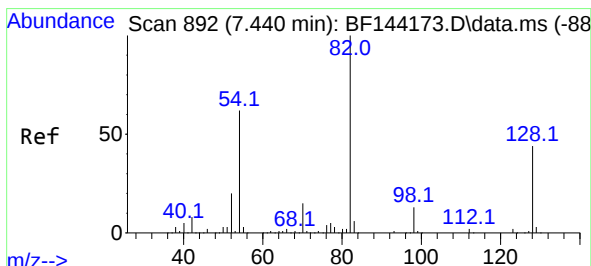
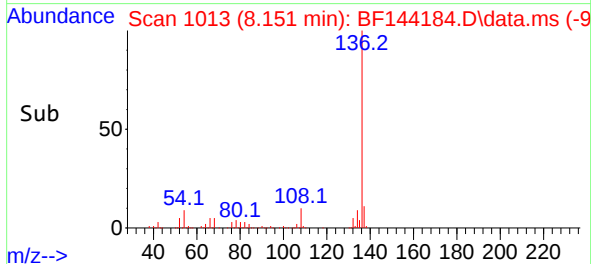
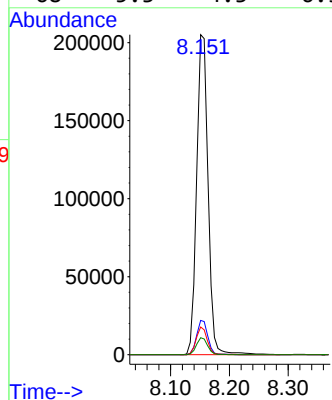
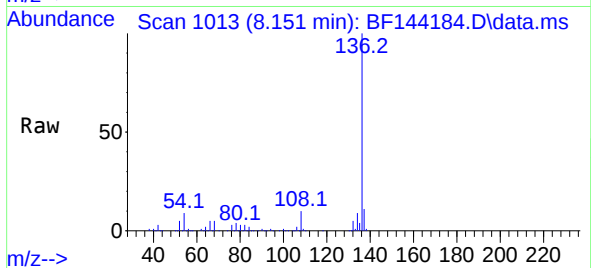


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

Instrument :
BNA_F
ClientSampleId :
MW-17-SOIL

Tgt Ion:136 Resp: 276675

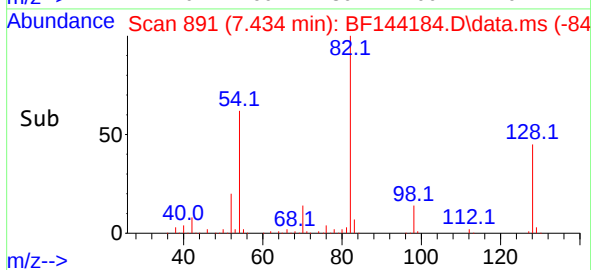
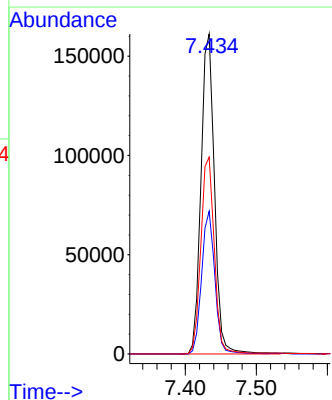
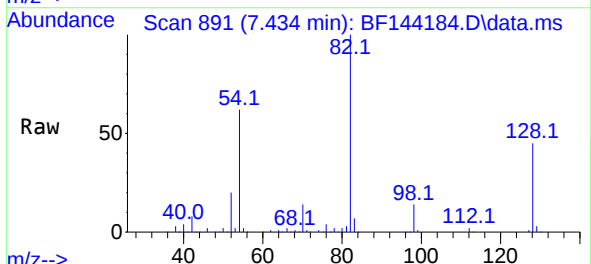
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.7	7.0	10.6
68	5.3	4.3	6.5

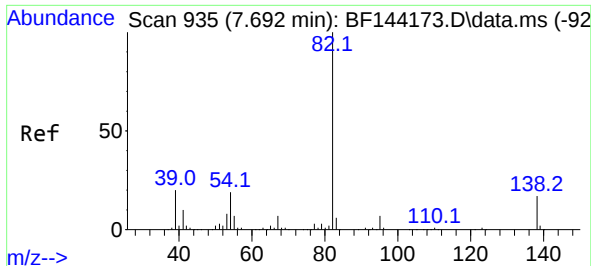


#23
Nitrobenzene-d5
Concen: 44.553 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

Tgt Ion: 82 Resp: 213431

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.7	52.1
54	61.5	49.5	74.3

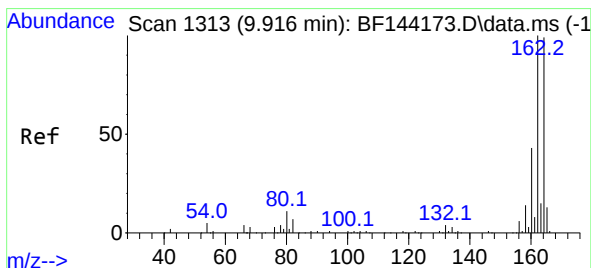
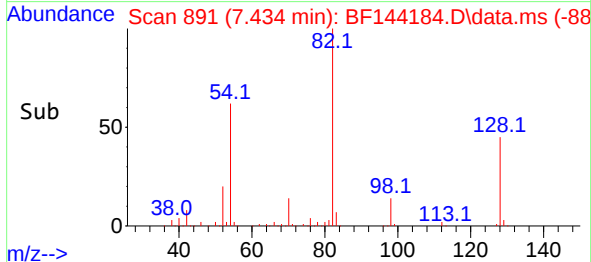
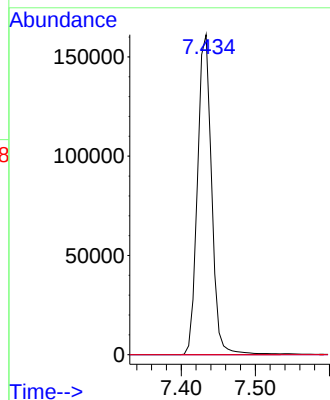
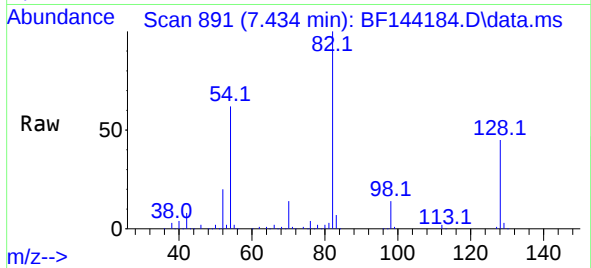




#25
Isophorone
Concen: 23.554 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.253 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

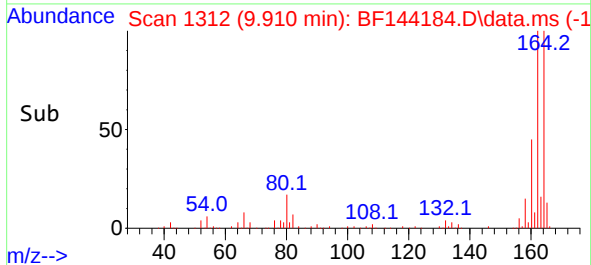
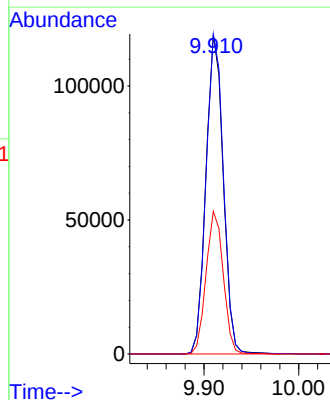
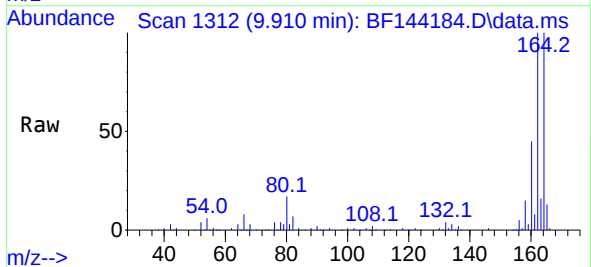
Instrument :
BNA_F
ClientSampleId :
MW-17-SOIL

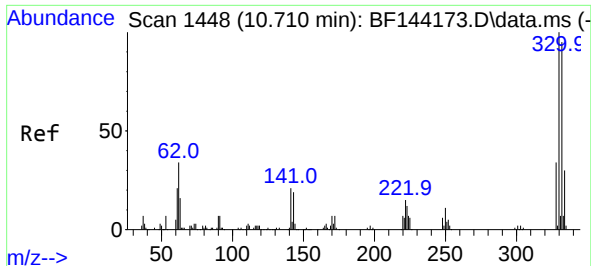
Tgt Ion: 82 Resp: 213429
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

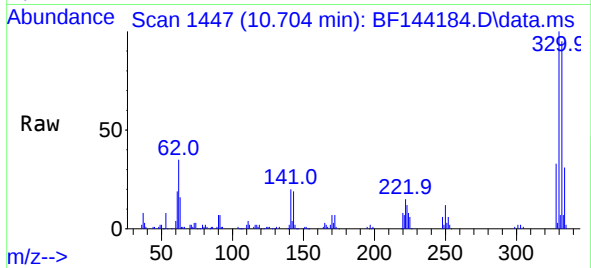
Tgt Ion:164 Resp: 150551
Ion Ratio Lower Upper
164 100
162 100.3 81.1 121.7
160 44.7 34.5 51.7



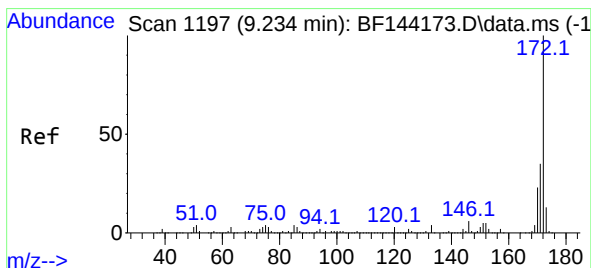
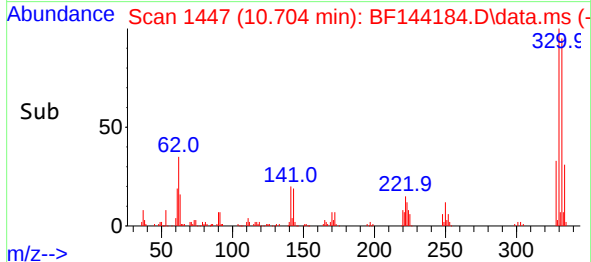
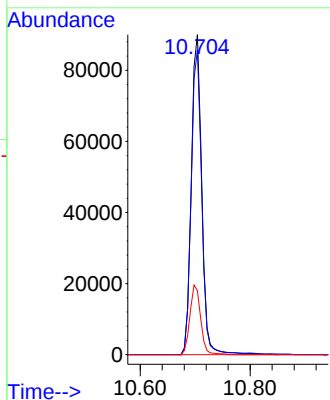


#42
2,4,6-Tribromophenol
Concen: 62.882 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

Instrument :
BNA_F
ClientSampleId :
MW-17-SOIL

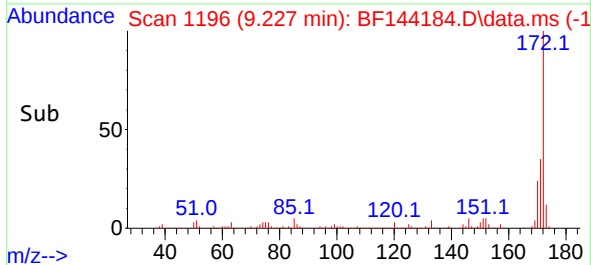
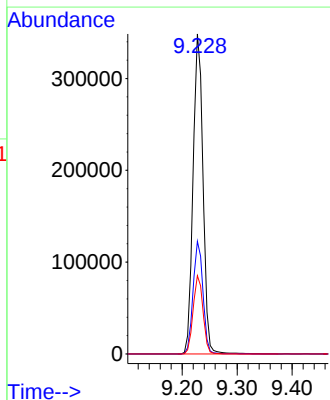
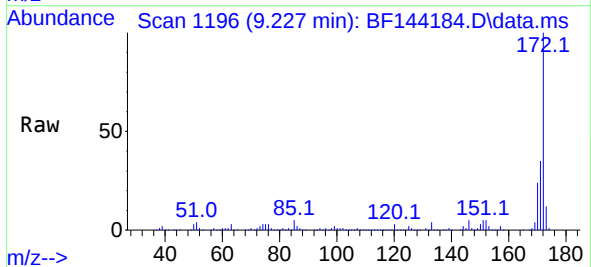


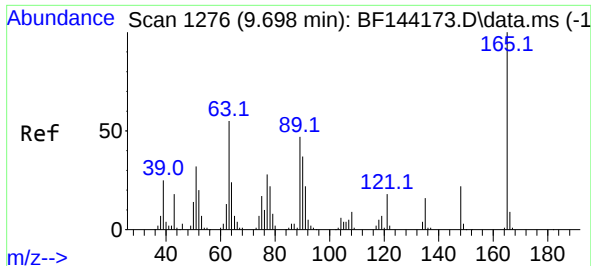
Tgt Ion:330 Resp: 118800
Ion Ratio Lower Upper
330 100
332 95.2 76.7 115.1
141 22.2 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 42.946 ng
RT: 9.227 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

Tgt Ion:172 Resp: 437766
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 24.4 18.6 28.0

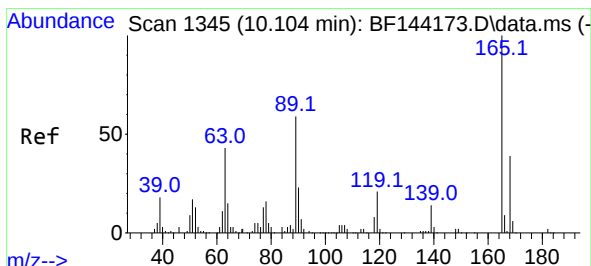
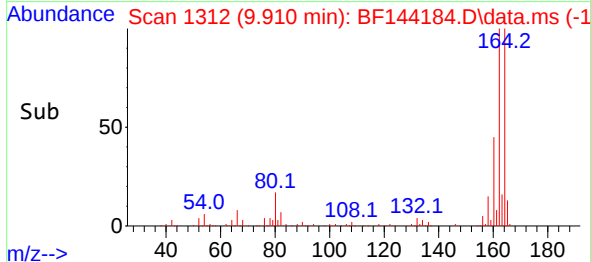
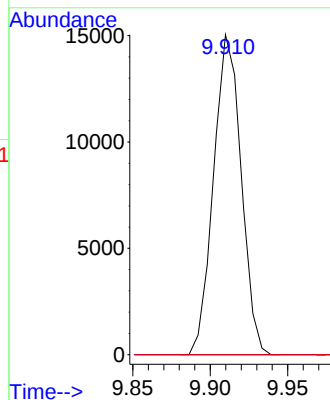
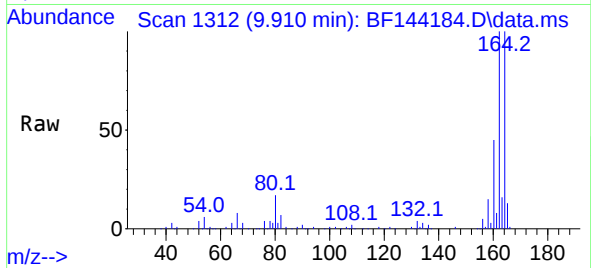




#51
2,6-Dinitrotoluene
Concen: 9.232 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

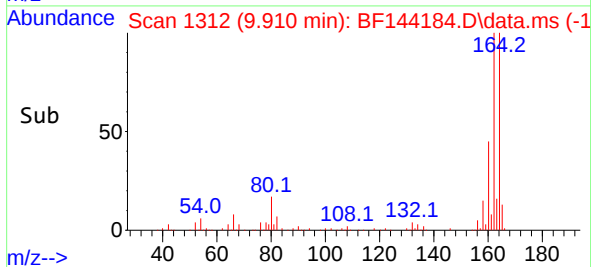
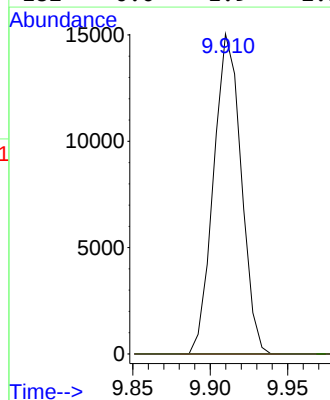
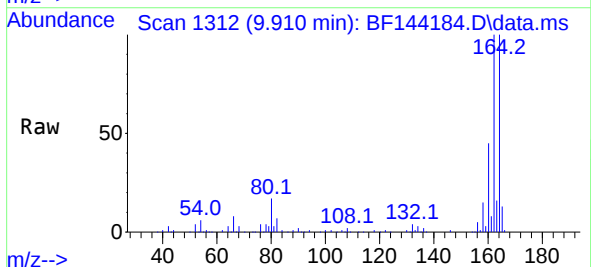
Instrument :
BNA_F
ClientSampleId :
MW-17-SOIL

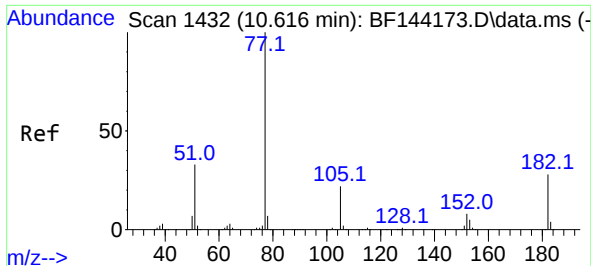
Tgt Ion:165 Resp: 18640
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 6.896 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.188 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

Tgt Ion:165 Resp: 18640
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#

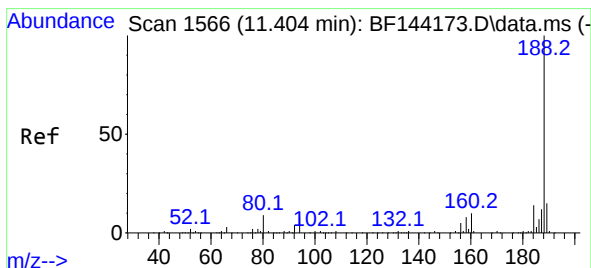
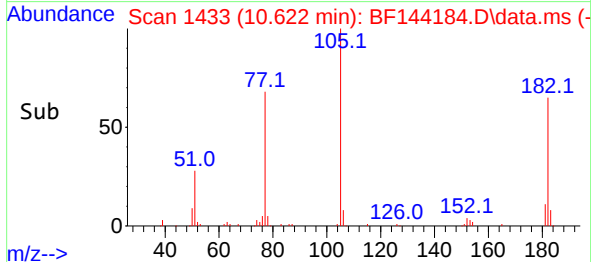
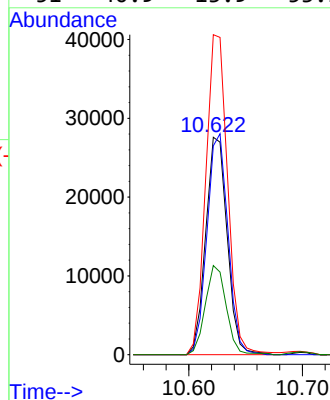
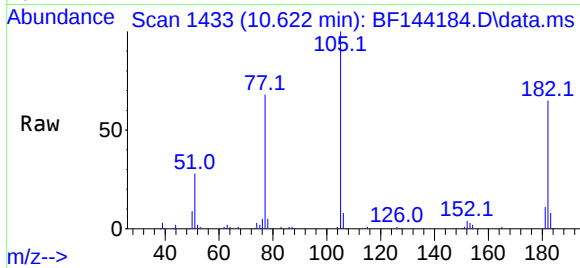




#63
Azobenzene
Concen: 4.234 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

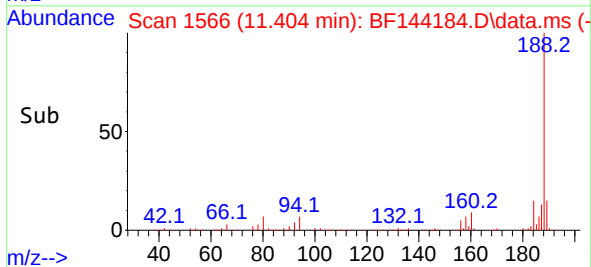
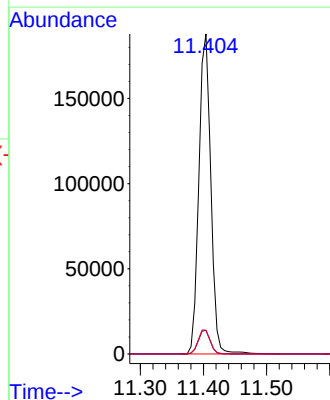
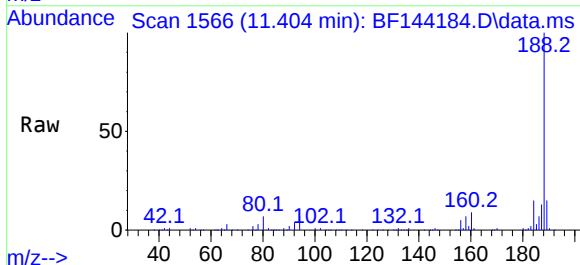
Instrument :
BNA_F
ClientSampleId :
MW-17-SOIL

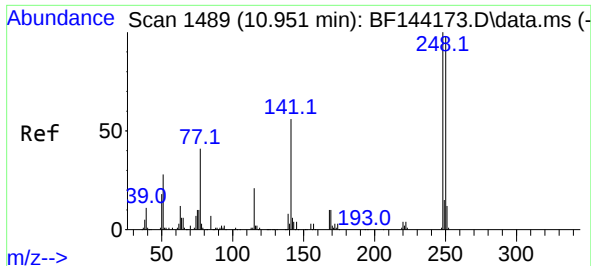
Tgt Ion: 77 Resp: 36232
Ion Ratio Lower Upper
77 100
182 96.0 8.1 48.1#
105 147.1 2.0 42.0#
51 40.9 13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

Tgt Ion:188 Resp: 245863
Ion Ratio Lower Upper
188 100
94 7.4 6.2 9.2
80 7.5 6.9 10.3

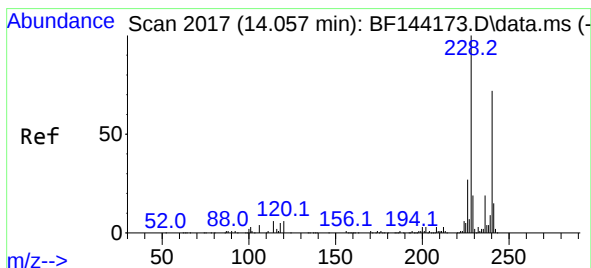
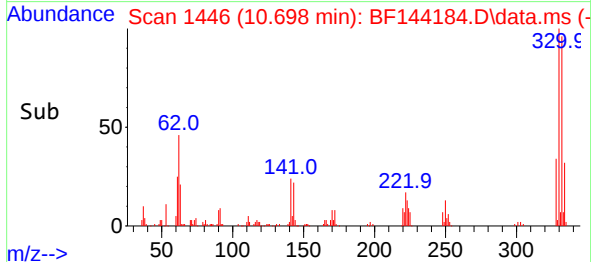
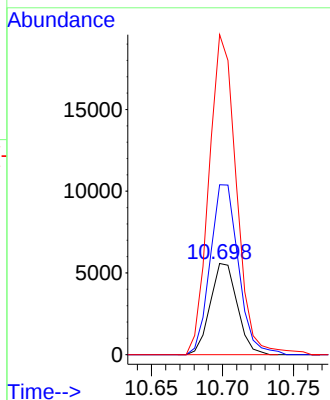
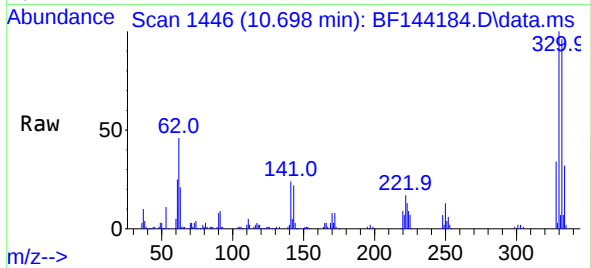




#67
4-Bromophenyl-phenylether
Concen: 2.353 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

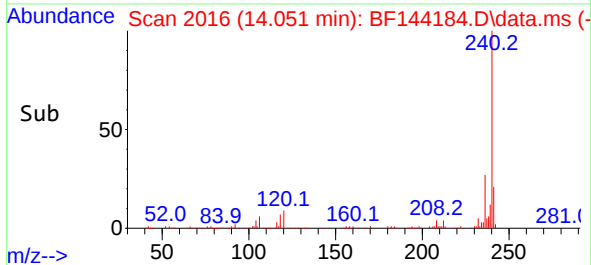
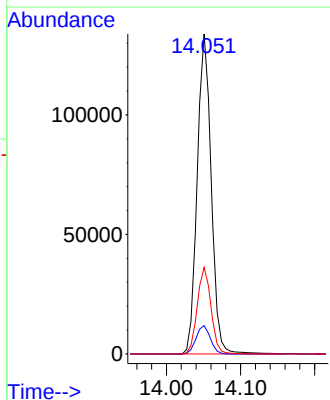
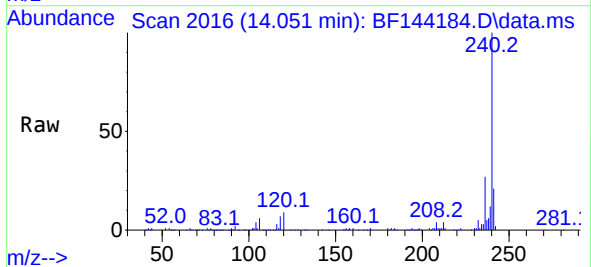
Instrument :
BNA_F
ClientSampleId :
MW-17-SOIL

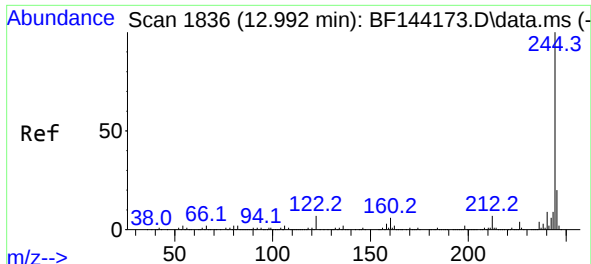
Tgt Ion:248 Resp: 7383
Ion Ratio Lower Upper
248 100
250 186.3 78.4 117.6#
141 350.9 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144184.D
Acq: 06 Nov 2025 13:26

Tgt Ion:240 Resp: 175476
Ion Ratio Lower Upper
240 100
120 8.8 6.6 10.0
236 27.0 21.4 32.2

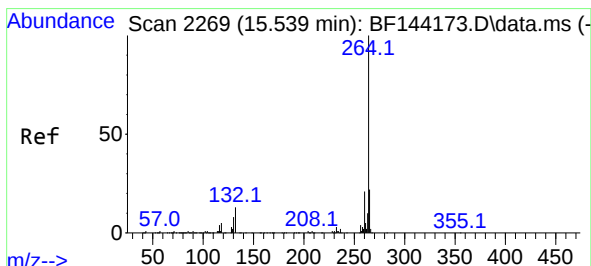
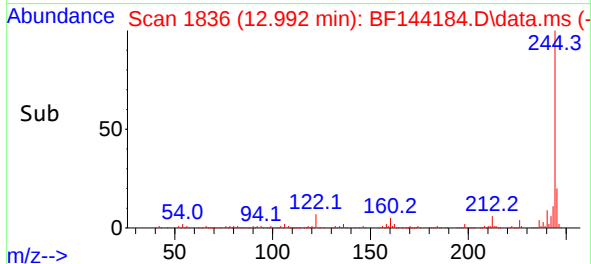
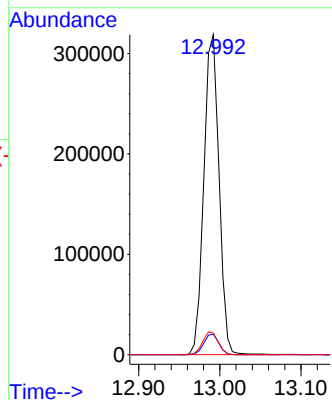
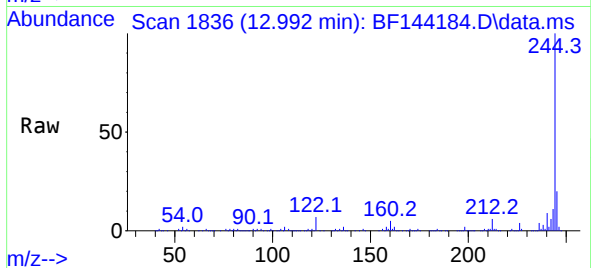




#79
 Terphenyl-d14
 Concen: 37.395 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF144184.D
 Acq: 06 Nov 2025 13:26

Instrument :
 BNA_F
 ClientSampleId :
 MW-17-SOIL

Tgt Ion:244 Resp: 413119
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 6.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2268
 Delta R.T. -0.006 min
 Lab File: BF144184.D
 Acq: 06 Nov 2025 13:26

Tgt Ion:264 Resp: 230830
 Ion Ratio Lower Upper
 264 100
 260 21.3 17.1 25.7
 265 21.1 17.4 26.0

