

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031825\
 Data File : BF141991.D
 Acq On : 18 Mar 2025 12:32
 Operator : RC/JU
 Sample : Q1569-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TAP-IDW-SOIL-031325-02

Quant Time: Mar 18 12:55:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

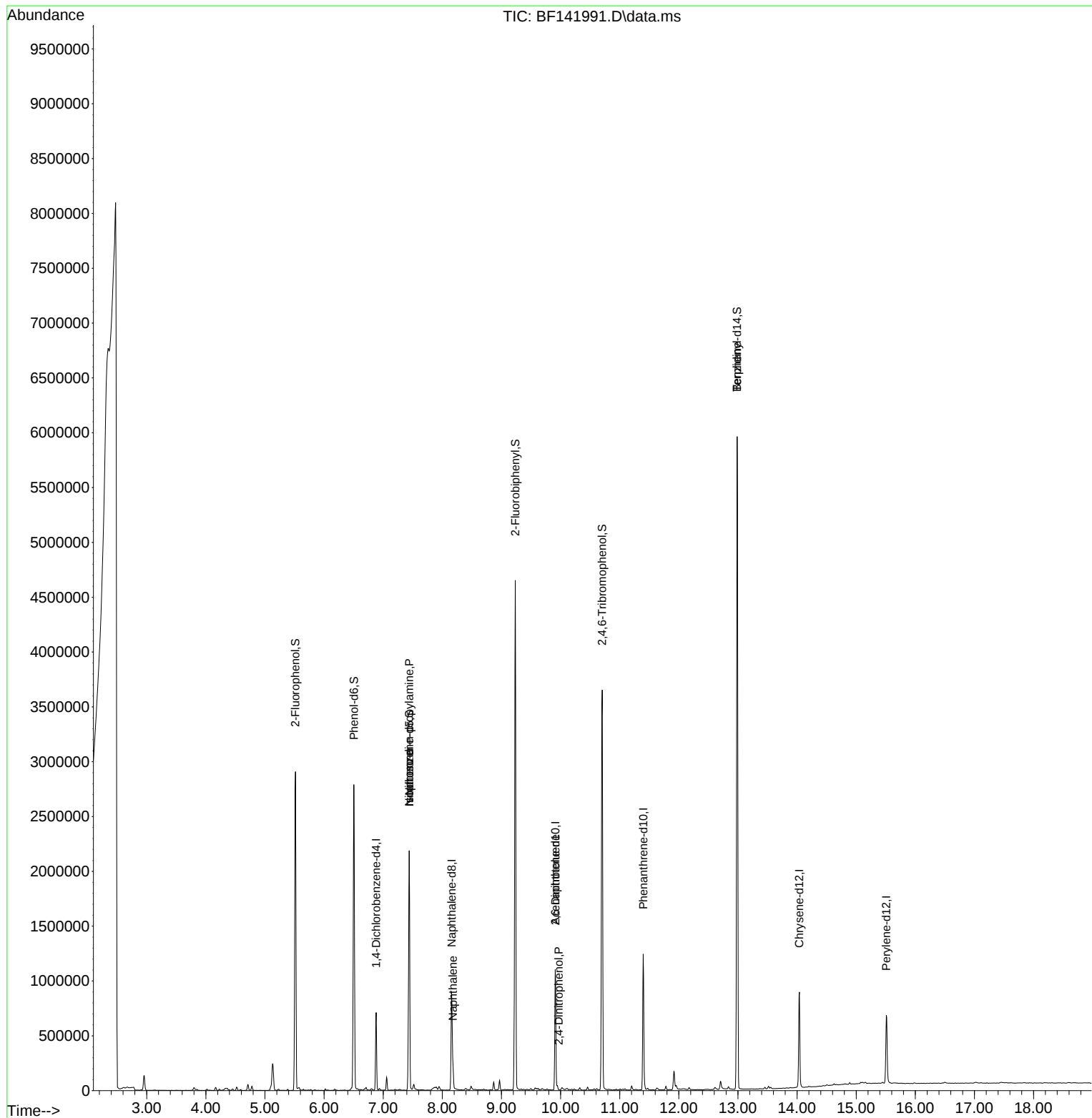
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	148424	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	586714	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	339225	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	629815	20.000	ng	0.00
76) Chrysene-d12	14.039	240	432125	20.000	ng	0.00
86) Perylene-d12	15.509	264	388734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1182616	132.980	ng	0.02
7) Phenol-d6	6.504	99	1393816	123.096	ng	0.00
23) Nitrobenzene-d5	7.439	82	1021763	98.005	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	728811	169.352	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2118296	94.967	ng	0.00
79) Terphenyl-d14	12.986	244	3048268	104.292	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	142337	19.563	ng	Qvalue 77
25) Isophorone	7.439	82	1009668	54.787	ng	# 64
31) Naphthalene	8.181	128	124615	4.135	ng	# 98
51) 2,6-Dinitrotoluene	9.910	165	44688	9.035	ng	# 23
54) 2,4-Dinitrophenol	9.969	184	251	6.655	ng	# 80
77) Benzidine	12.986	184	41072	6.812	ng	# 92

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031825\
Data File : BF141991.D
Acq On : 18 Mar 2025 12:32
Operator : RC/JU
Sample : Q1569-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAP-IDW-SOIL-031325-02

Quant Time: Mar 18 12:55:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

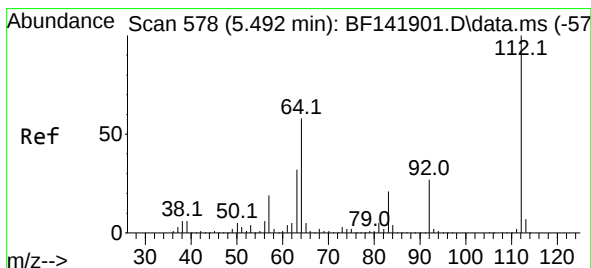
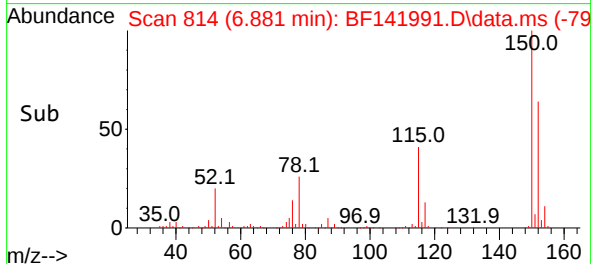
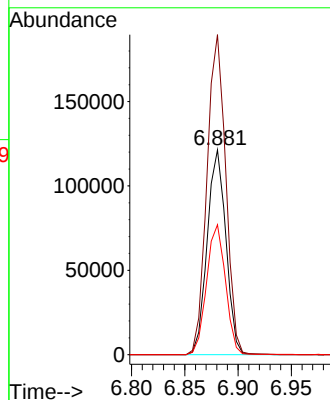
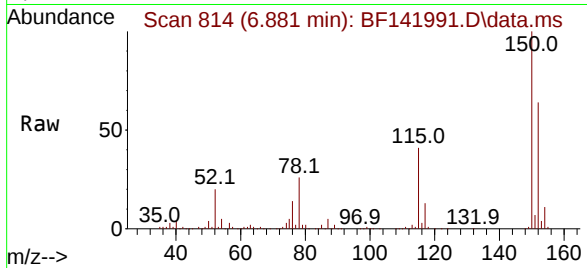




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: BF141991.D
 Acq: 18 Mar 2025 12:32

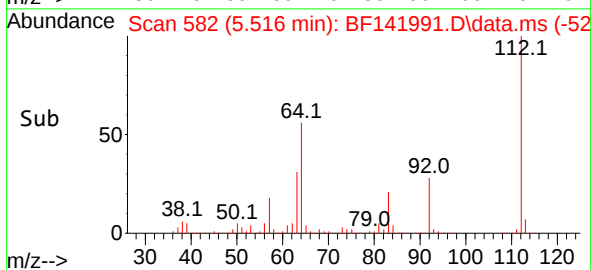
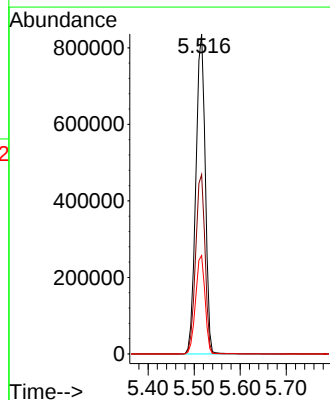
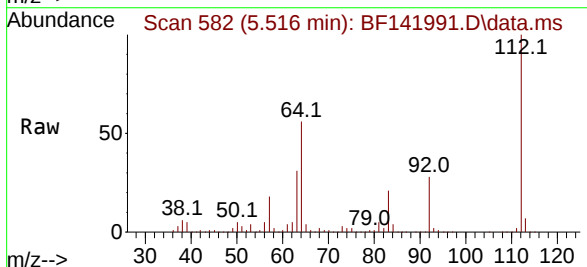
Instrument :
 BNA_F
 ClientSampleId :
 TAP-IDW-SOIL-031325-02

Tgt Ion:152 Resp: 148424
 Ion Ratio Lower Upper
 152 100
 150 156.2 127.4 191.2
 115 63.5 51.9 77.9



#5
 2-Fluorophenol
 Concen: 132.980 ng
 RT: 5.516 min Scan# 582
 Delta R.T. 0.024 min
 Lab File: BF141991.D
 Acq: 18 Mar 2025 12:32

Tgt Ion:112 Resp: 1182616
 Ion Ratio Lower Upper
 112 100
 64 56.0 46.5 69.7
 63 30.8 25.4 38.2



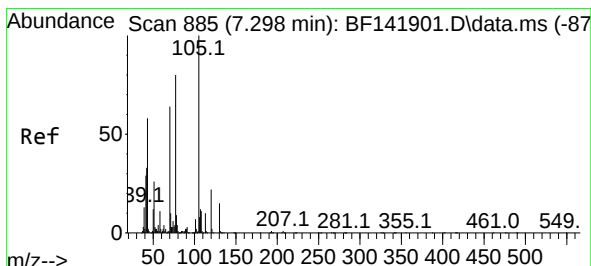
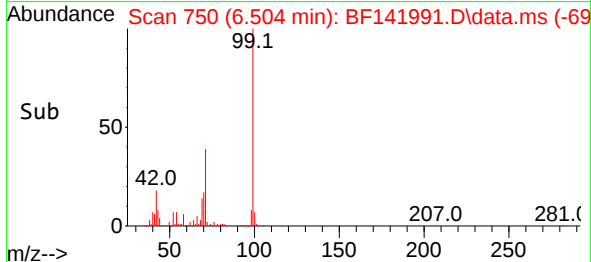
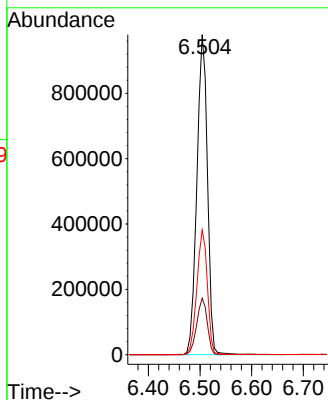
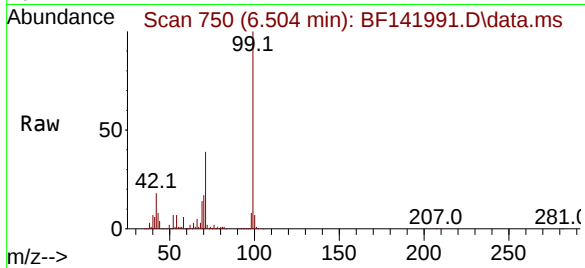


#7
Phenol-d6
Concen: 123.096 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141991.D
Acq: 18 Mar 2025 12:32

Instrument :
BNA_F
ClientSampleId :
TAP-IDW-SOIL-031325-02

Tgt Ion: 99 Resp: 1393816

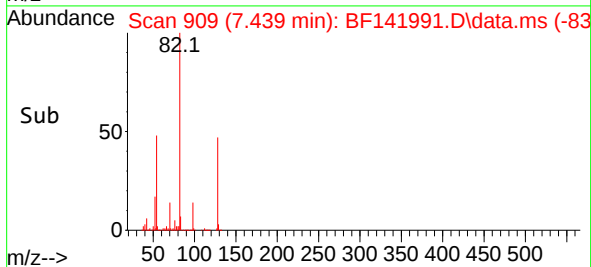
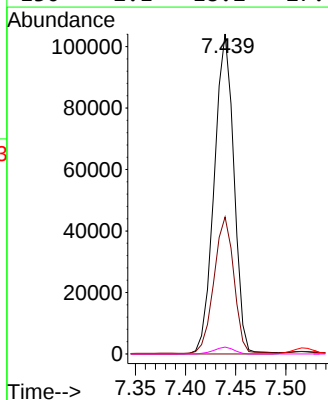
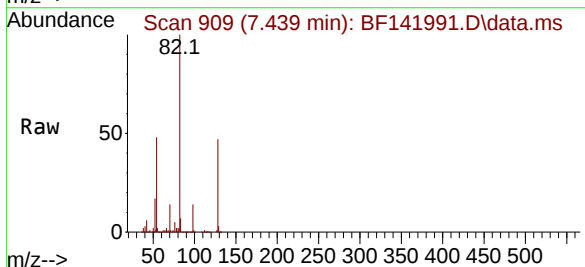
Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.6	21.8
71	39.0	30.8	46.2

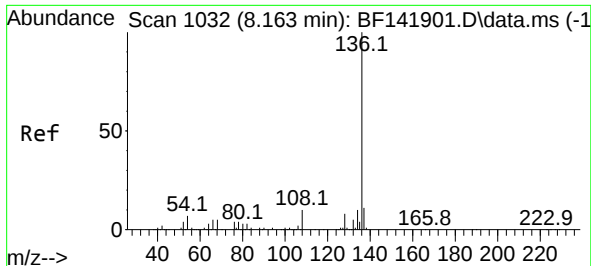


#19
n-Nitroso-di-n-propylamine
Concen: 19.563 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141991.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 70 Resp: 142337

Ion	Ratio	Lower	Upper
70	100		
42	42.8	41.4	62.0
101	0.0	8.2	12.2#
130	2.1	18.2	27.4#



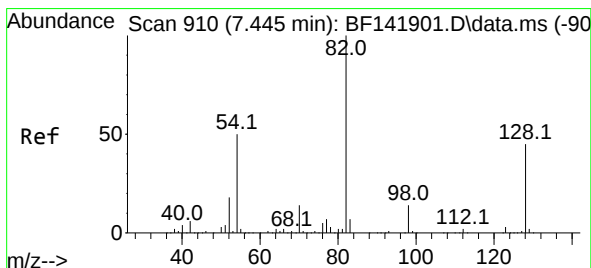
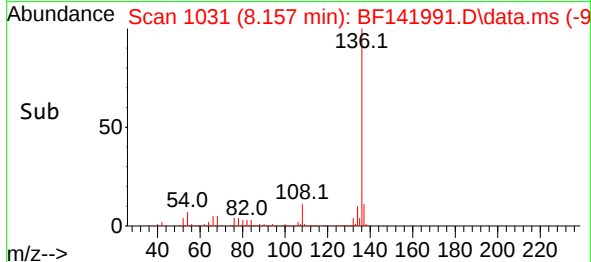
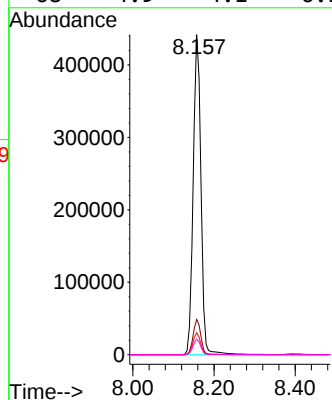
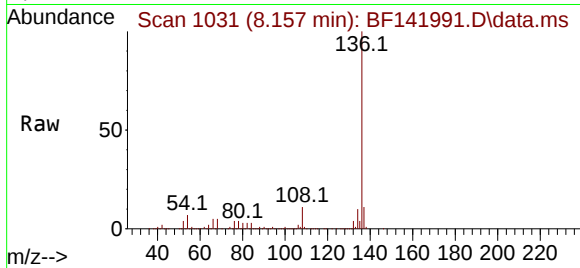


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF141991.D
Acq: 18 Mar 2025 12:32

Instrument :
BNA_F
ClientSampleId :
TAP-IDW-SOIL-031325-02

Tgt Ion:136 Resp: 586714

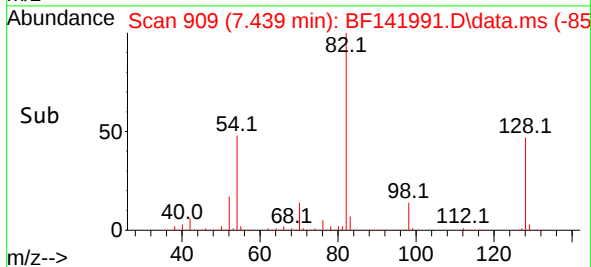
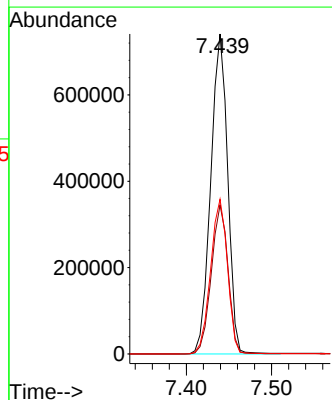
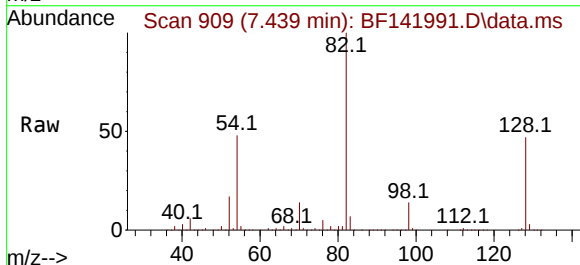
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.9	5.8	8.8
68	4.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 98.005 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141991.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 82 Resp: 1021763

Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.0	54.0
54	48.4	39.6	59.4

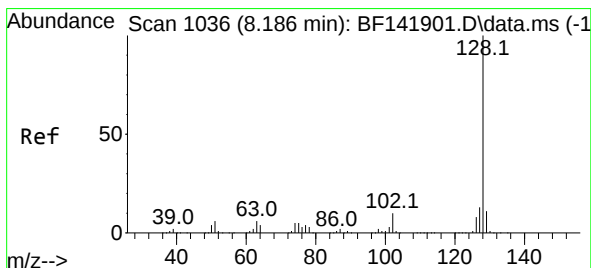
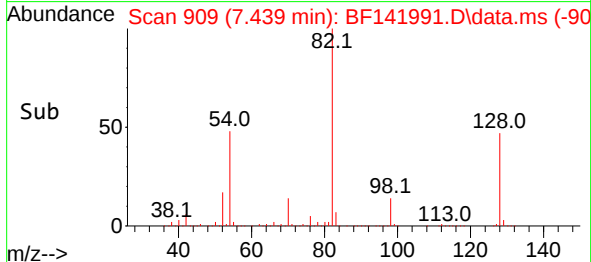
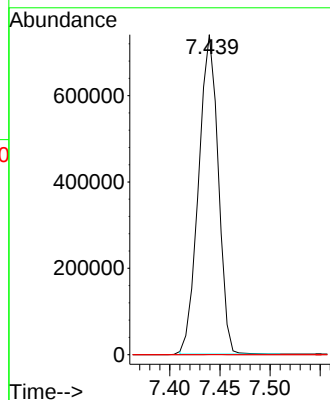
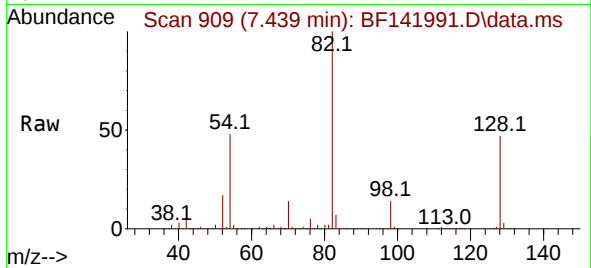




#25
Isophorone
Concen: 54.787 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF141991.D
Acq: 18 Mar 2025 12:32

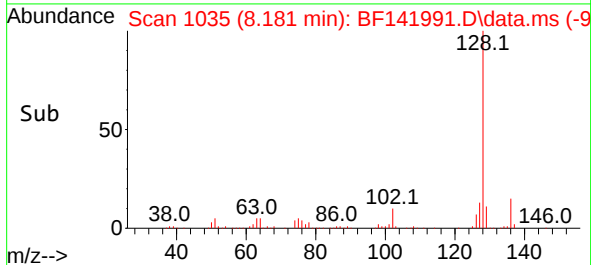
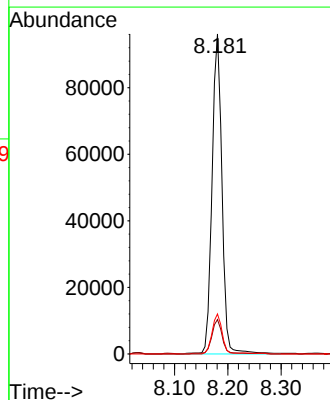
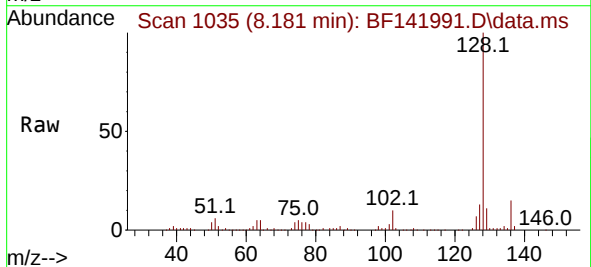
Instrument :
BNA_F
ClientSampleId :
TAP-IDW-SOIL-031325-02

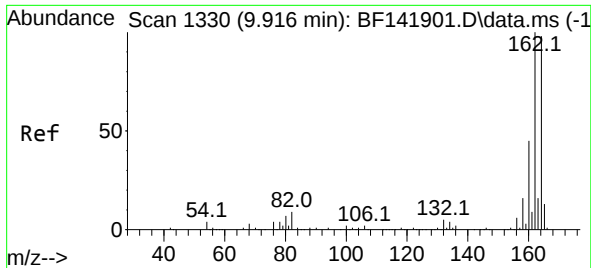
Tgt Ion: 82 Resp: 1009668
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 4.135 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141991.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 128 Resp: 124615
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 12.5 10.8 16.2

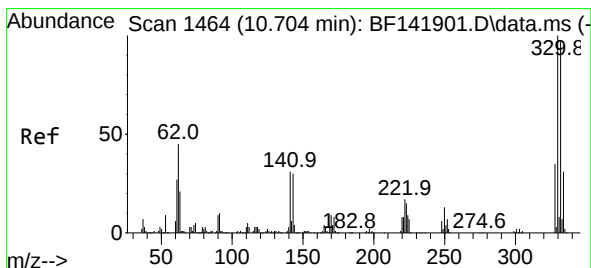
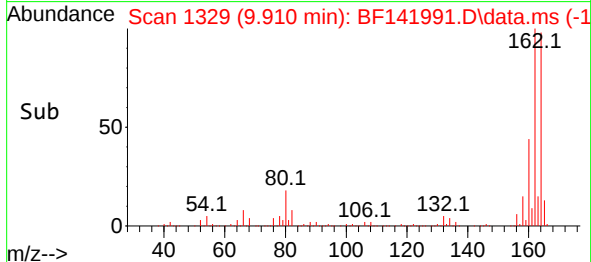
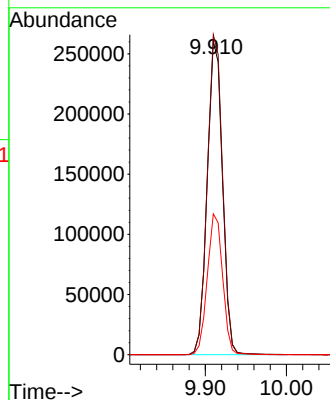
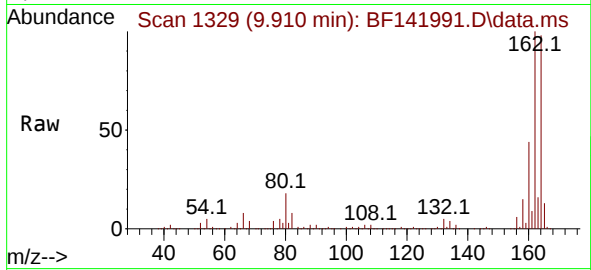




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF141991.D
Acq: 18 Mar 2025 12:32

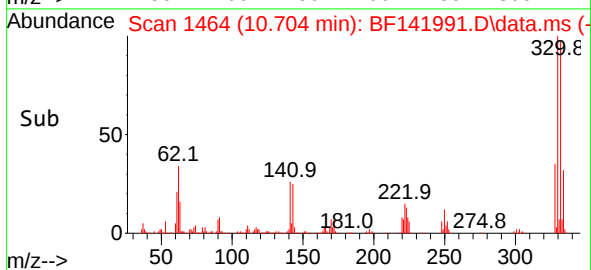
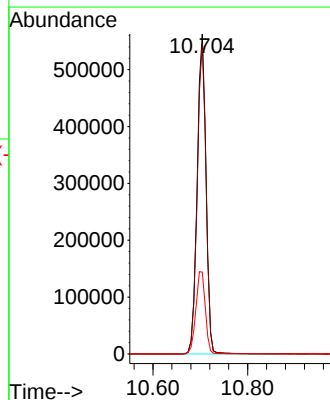
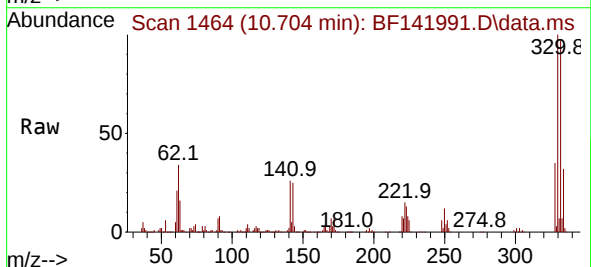
Instrument :
BNA_F
ClientSampleId :
TAP-IDW-SOIL-031325-02

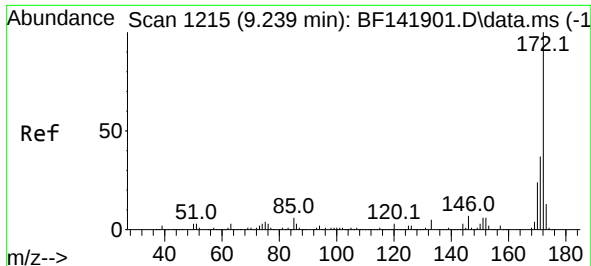
Tgt Ion:164 Resp: 339225
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 44.9 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 169.352 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141991.D
Acq: 18 Mar 2025 12:32

Tgt Ion:330 Resp: 728811
Ion Ratio Lower Upper
330 100
332 97.0 77.6 116.4
141 27.7 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 94.967 ng

RT: 9.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141991.D

Acq: 18 Mar 2025 12:32

Instrument :

BNA_F

ClientSampleId :

TAP-IDW-SOIL-031325-02

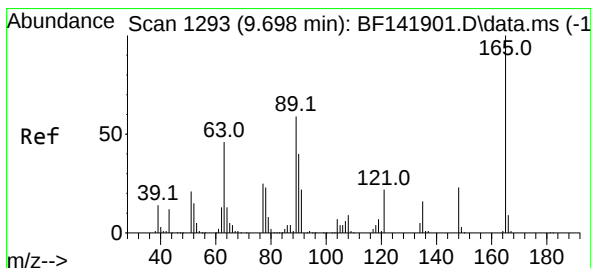
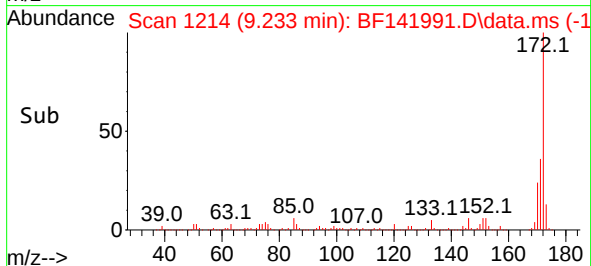
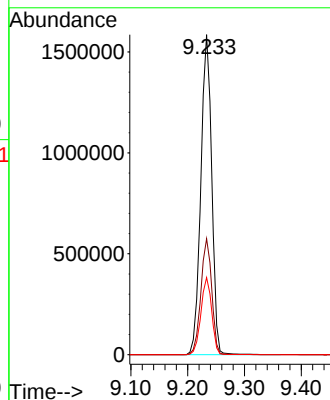
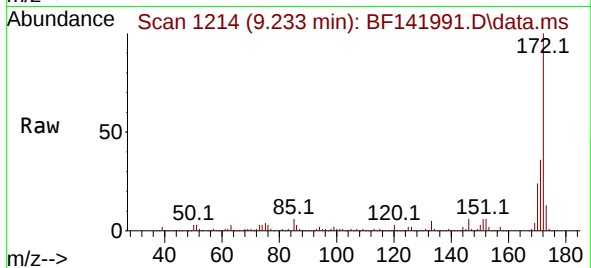
Tgt Ion:172 Resp: 2118296

Ion Ratio Lower Upper

172 100

171 36.2 29.3 43.9

170 24.1 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 9.035 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF141991.D

Acq: 18 Mar 2025 12:32

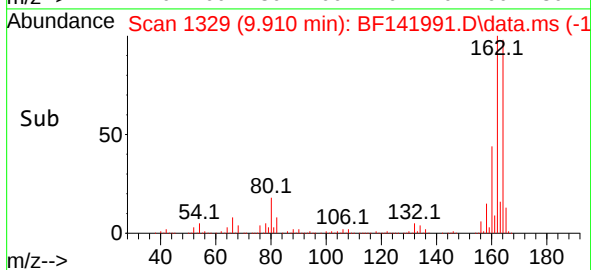
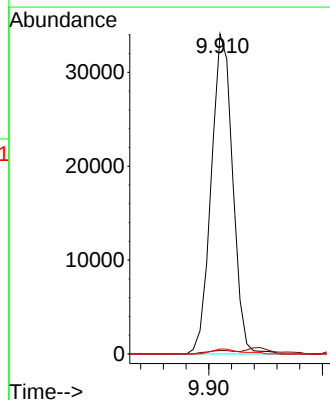
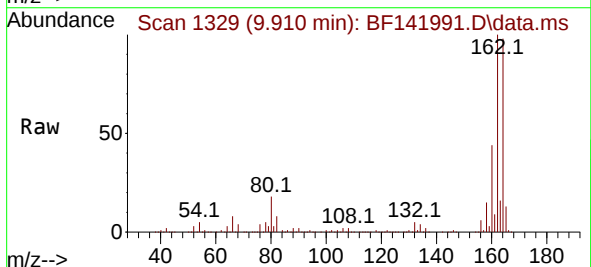
Tgt Ion:165 Resp: 44688

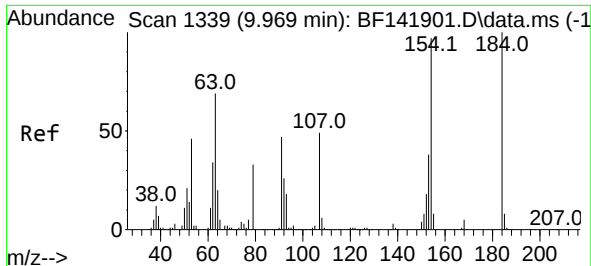
Ion Ratio Lower Upper

165 100

63 1.1 47.0 70.4#

89 1.5 47.4 71.2#

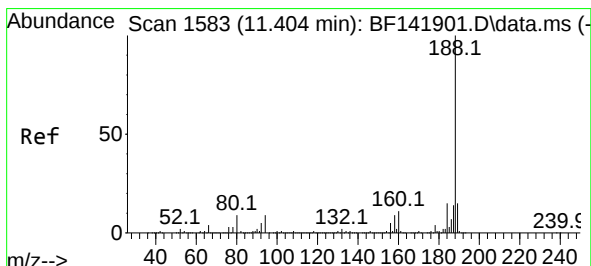
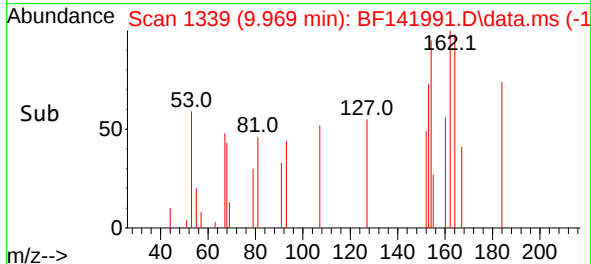
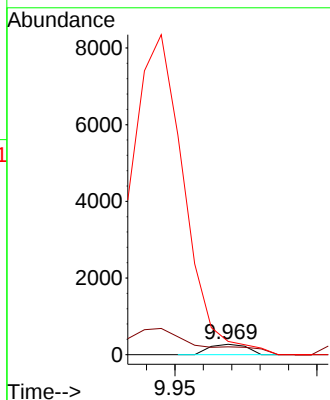
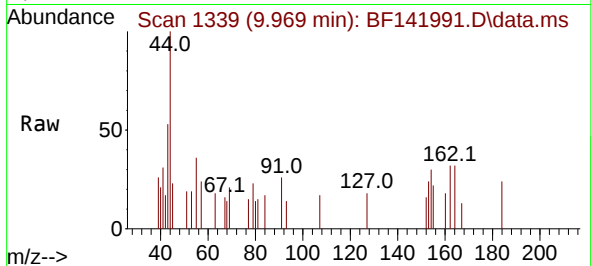




#54
 2,4-Dinitrophenol
 Concen: 6.655 ng
 RT: 9.969 min Scan# 1339
 Delta R.T. -0.000 min
 Lab File: BF141991.D
 Acq: 18 Mar 2025 12:32

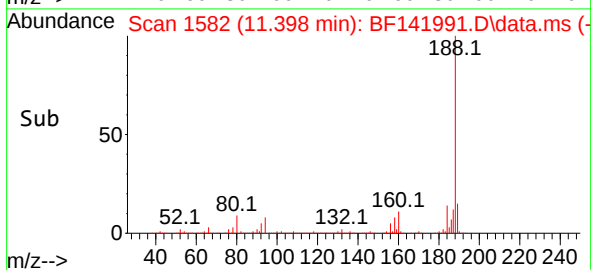
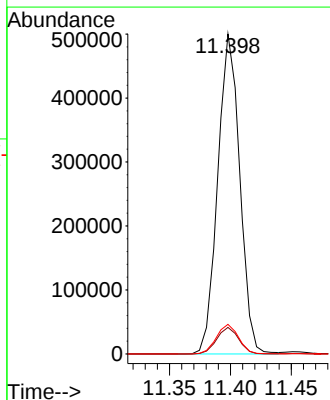
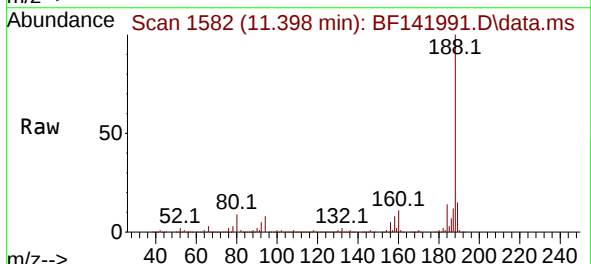
Instrument :
 BNA_F
 ClientSampleId :
 TAP-IDW-SOIL-031325-02

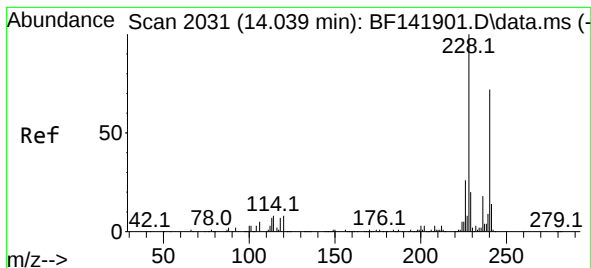
Tgt Ion:184 Resp: 251
 Ion Ratio Lower Upper
 184 100
 63 76.0 60.2 90.4
 154 128.0 132.9 199.3#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF141991.D
 Acq: 18 Mar 2025 12:32

Tgt Ion:188 Resp: 629815
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.8 10.2
 80 9.3 7.6 11.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF141991.D

Acq: 18 Mar 2025 12:32

Instrument :

BNA_F

ClientSampleId :

TAP-IDW-SOIL-031325-02

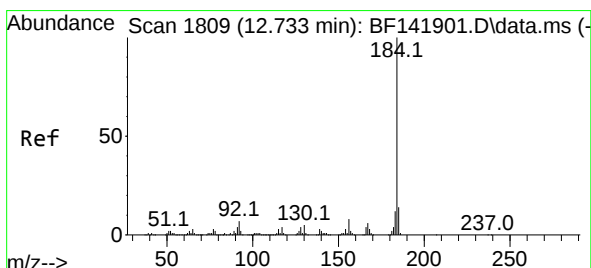
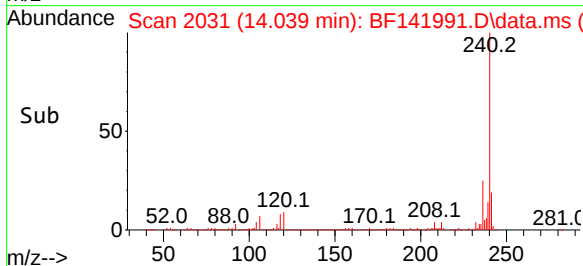
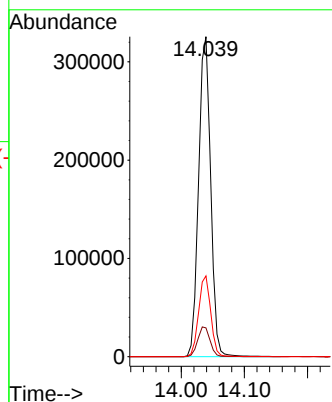
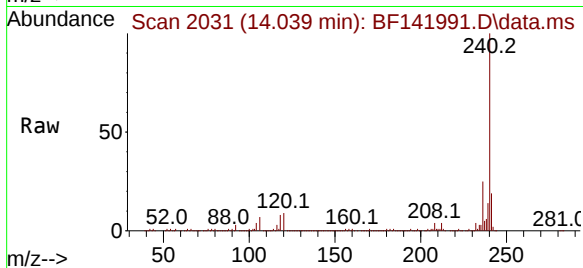
Tgt Ion:240 Resp: 432125

Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 25.3 20.5 30.7



#77

Benzidine

Concen: 6.812 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.253 min

Lab File: BF141991.D

Acq: 18 Mar 2025 12:32

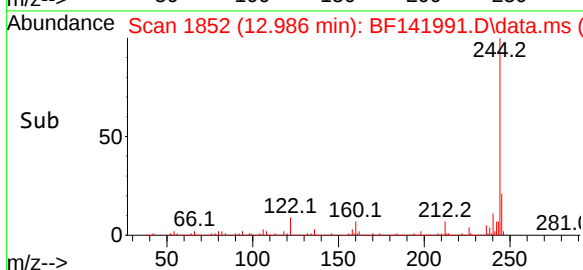
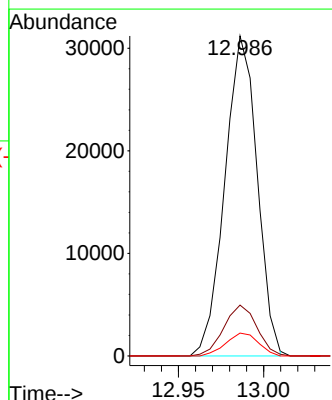
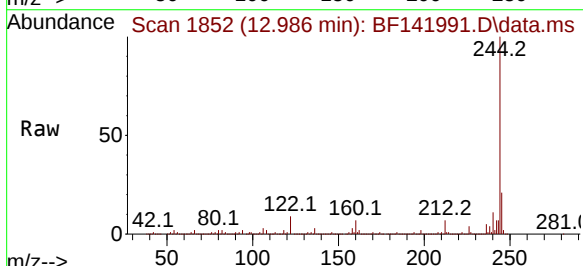
Tgt Ion:184 Resp: 41072

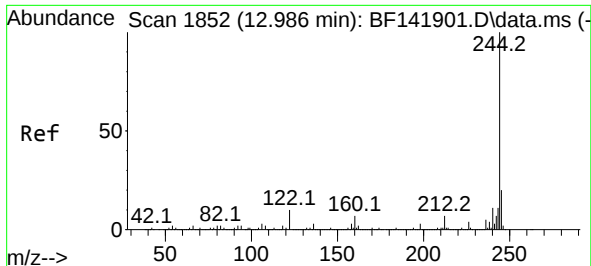
Ion Ratio Lower Upper

184 100

185 15.9 11.5 17.3

183 7.2 9.7 14.5#

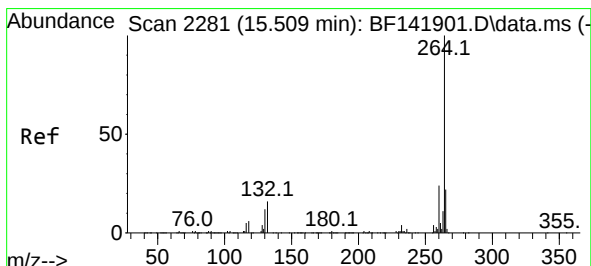
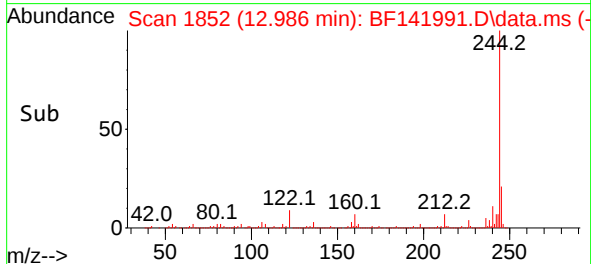
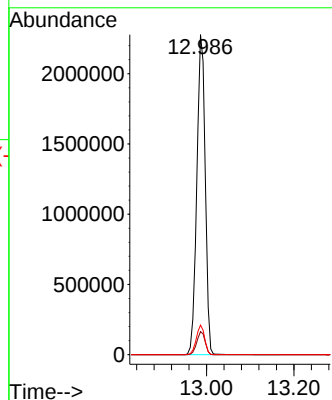
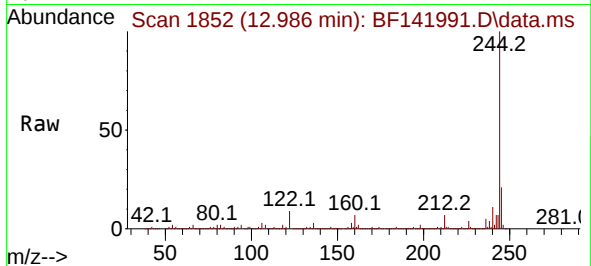




#79
 Terphenyl-d14
 Concen: 104.292 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF141991.D
 Acq: 18 Mar 2025 12:32

Instrument :
 BNA_F
 ClientSampleId :
 TAP-IDW-SOIL-031325-02

Tgt Ion:244 Resp: 3048268
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 9.3 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF141991.D
 Acq: 18 Mar 2025 12:32

Tgt Ion:264 Resp: 388734
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.1 28.7
 265 21.8 17.5 26.3

