

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031825\
 Data File : BF141990.D
 Acq On : 18 Mar 2025 12:03
 Operator : RC/JU
 Sample : Q1569-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TAP-IDW-SOIL-031325-01

Quant Time: Mar 18 12:31:15 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)

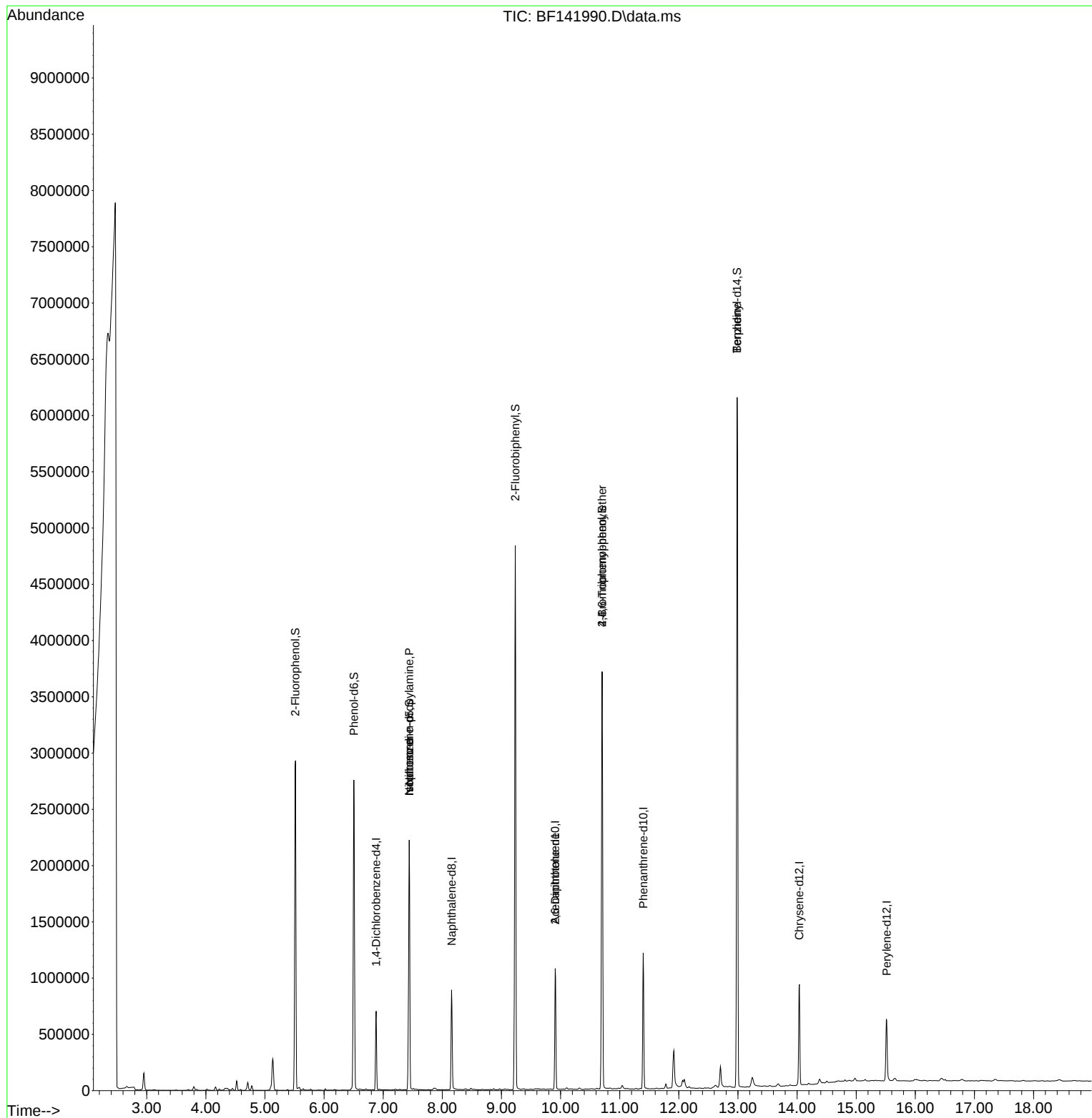
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	146072	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	574336	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	334363	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	612194	20.000	ng	0.00
76) Chrysene-d12	14.039	240	452555	20.000	ng	0.00
86) Perylene-d12	15.515	264	341952	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1207267	137.937	ng	0.02
7) Phenol-d6	6.504	99	1384904	124.278	ng	0.00
23) Nitrobenzene-d5	7.439	82	1058016	103.669	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	737139	173.778	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2206121	100.343	ng	0.00
79) Terphenyl-d14	12.986	244	3155849	103.099	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	147757	20.635	ng	Qvalue
25) Isophorone	7.439	82	1045122	57.933	ng	# 77
51) 2,6-Dinitrotoluene	9.910	165	43432	8.909	ng	# 64
67) 4-Bromophenyl-phenylether	10.704	248	45724	5.947	ng	# 23
77) Benzidine	12.986	184	41827	6.624	ng	# 1

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

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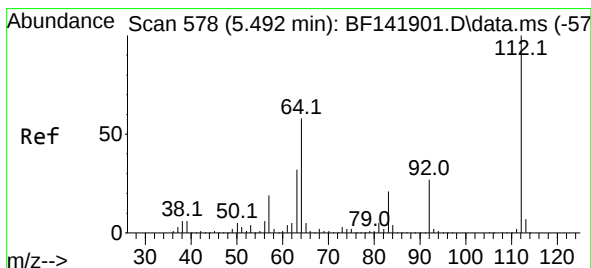
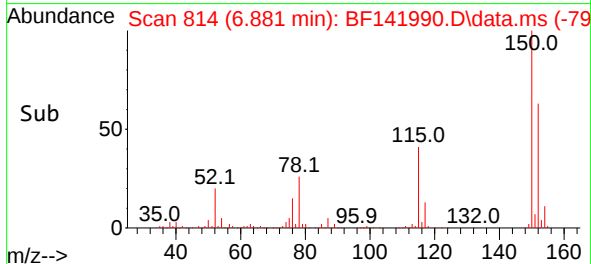
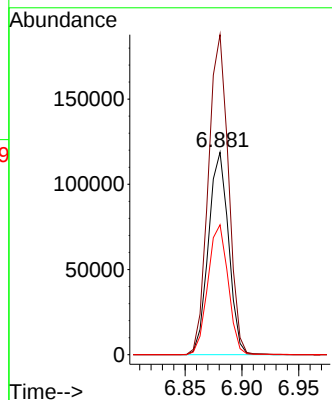
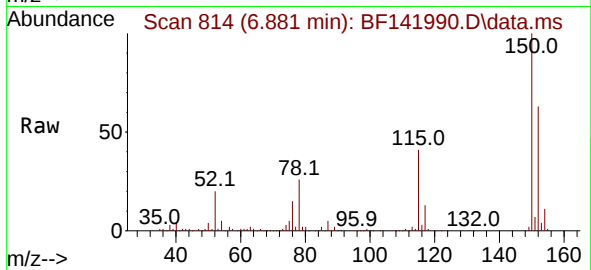




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: BF141990.D
 Acq: 18 Mar 2025 12:03

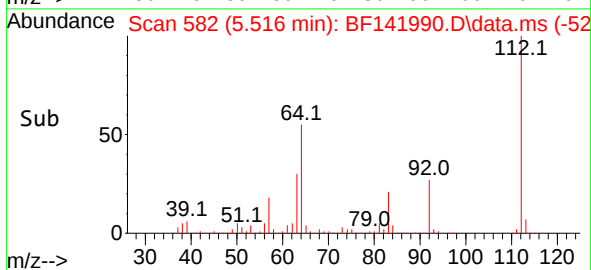
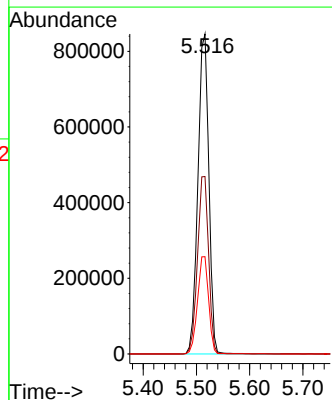
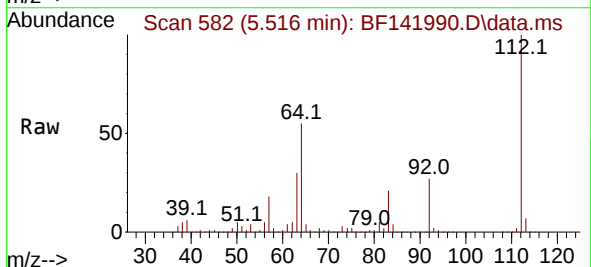
Instrument :
 BNA_F
 ClientSampleId :
 TAP-IDW-SOIL-031325-01

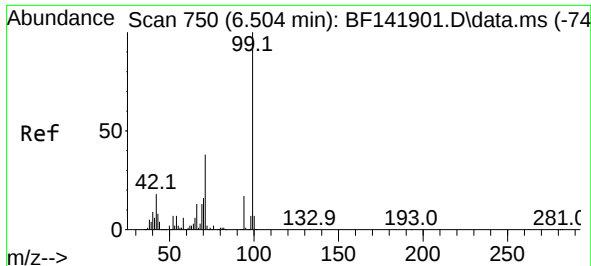
Tgt Ion:152 Resp: 146072
 Ion Ratio Lower Upper
 152 100
 150 158.1 127.4 191.2
 115 64.2 51.9 77.9



#5
 2-Fluorophenol
 Concen: 137.937 ng
 RT: 5.516 min Scan# 582
 Delta R.T. 0.024 min
 Lab File: BF141990.D
 Acq: 18 Mar 2025 12:03

Tgt Ion:112 Resp: 1207267
 Ion Ratio Lower Upper
 112 100
 64 55.5 46.5 69.7
 63 30.4 25.4 38.2



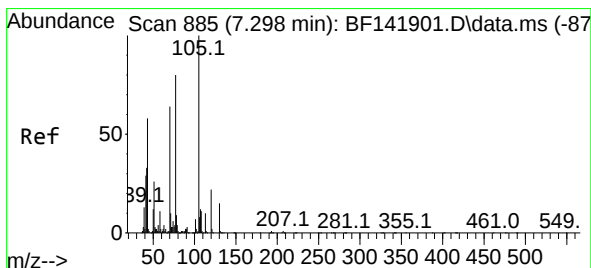
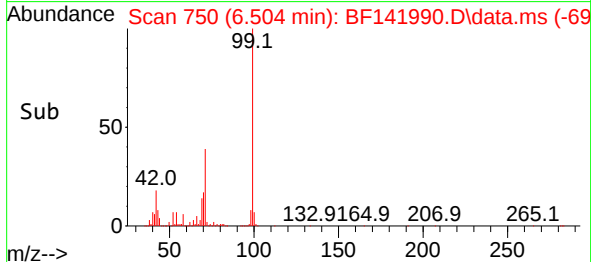
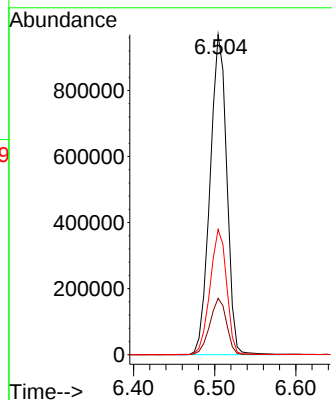
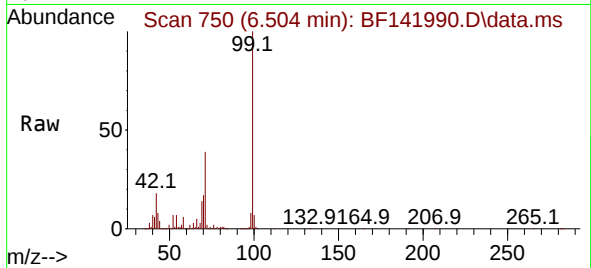


#7
Phenol-d6
Concen: 124.278 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141990.D
Acq: 18 Mar 2025 12:03

Instrument :
BNA_F
ClientSampleId :
TAP-IDW-SOIL-031325-01

Tgt Ion: 99 Resp: 1384904

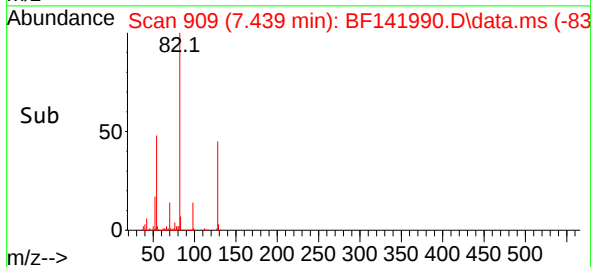
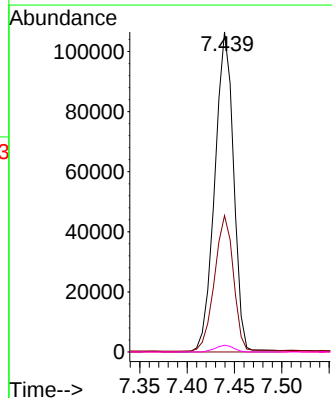
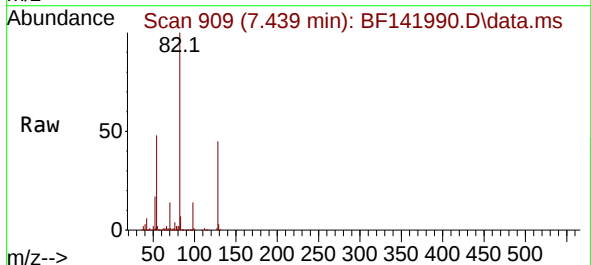
Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	39.1	30.8	46.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.635 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141990.D
Acq: 18 Mar 2025 12:03

Tgt Ion: 70 Resp: 147757

Ion	Ratio	Lower	Upper
70	100		
42	42.6	41.4	62.0
101	0.0	8.2	12.2#
130	2.1	18.2	27.4#

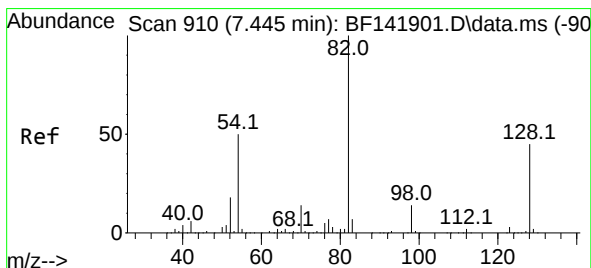
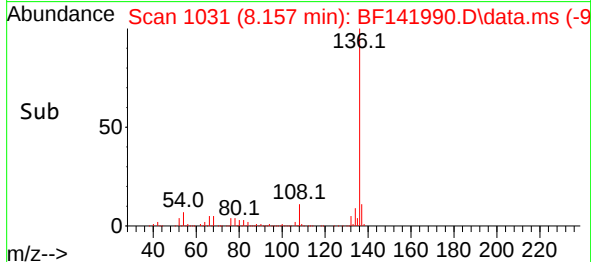
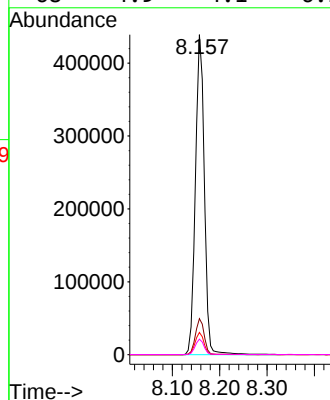
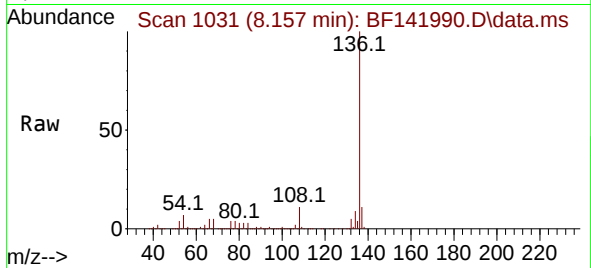




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141990.D
Acq: 18 Mar 2025 12:03

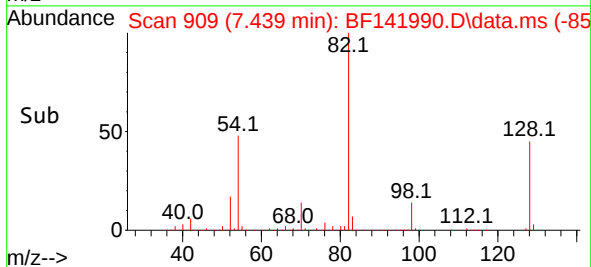
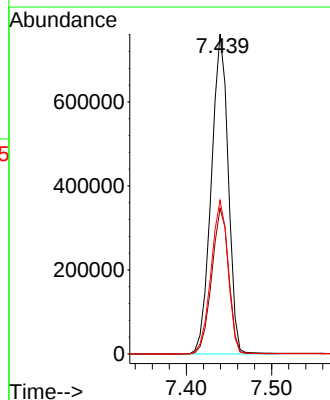
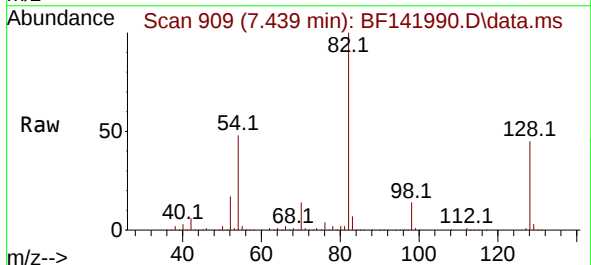
Instrument :
BNA_F
ClientSampleId :
TAP-IDW-SOIL-031325-01

Tgt Ion:	136	Resp:	574336
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.8	13.2
54	7.0	5.8	8.8
68	4.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 103.669 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141990.D
Acq: 18 Mar 2025 12:03

Tgt Ion:	82	Resp:	1058016
Ion Ratio	Lower	Upper	
82	100		
128	45.5	36.0	54.0
54	48.0	39.6	59.4

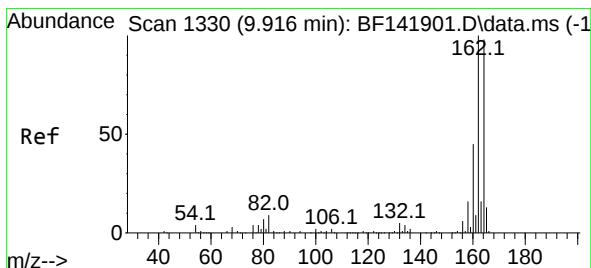
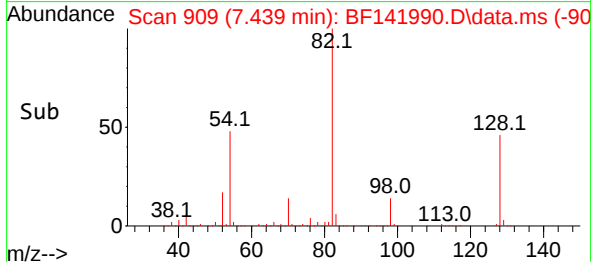
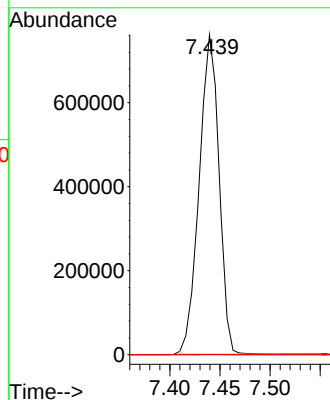
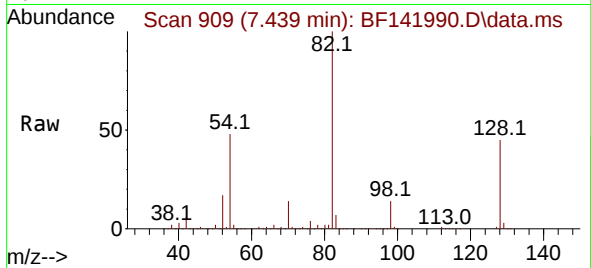




#25
Isophorone
Concen: 57.933 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF141990.D
Acq: 18 Mar 2025 12:03

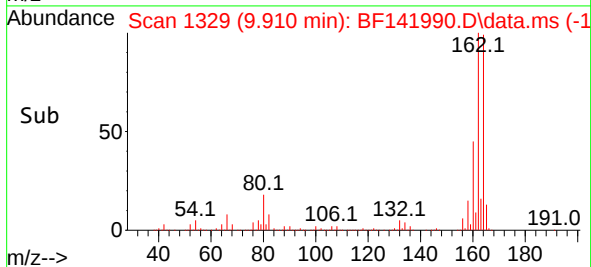
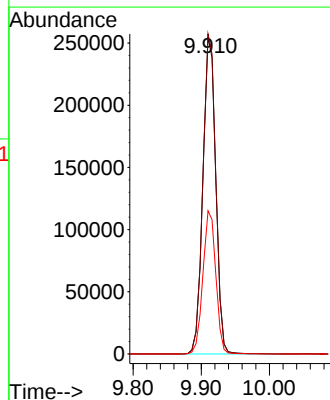
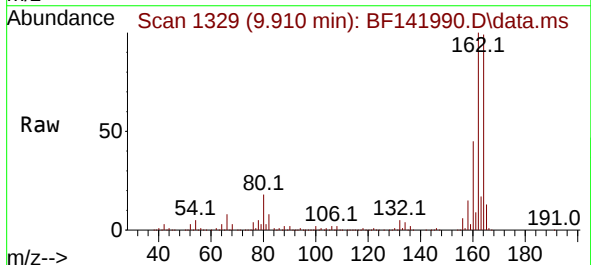
Instrument :
BNA_F
ClientSampleId :
TAP-IDW-SOIL-031325-01

Tgt Ion: 82 Resp: 1045122
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141990.D
Acq: 18 Mar 2025 12:03

Tgt Ion:164 Resp: 334363
Ion Ratio Lower Upper
164 100
162 101.0 81.8 122.6
160 45.2 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 173.778 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF141990.D

Acq: 18 Mar 2025 12:03

Instrument :

BNA_F

ClientSampleId :

TAP-IDW-SOIL-031325-01

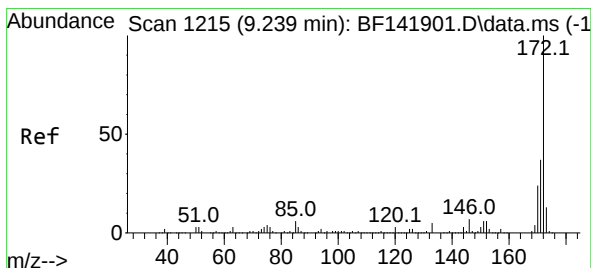
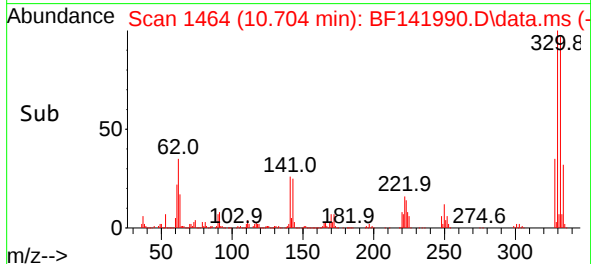
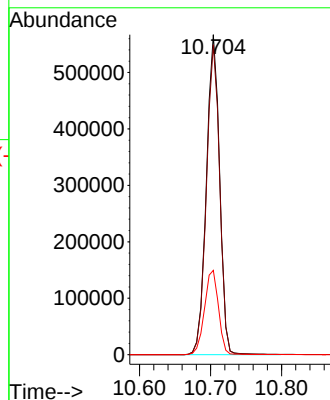
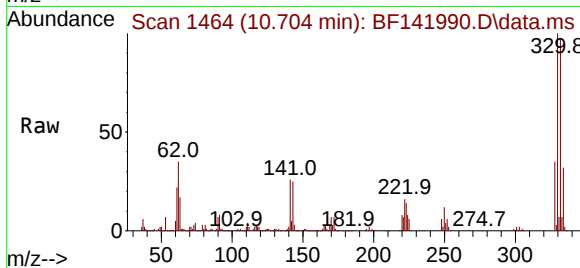
Tgt Ion:330 Resp: 737139

Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

141 27.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 100.343 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141990.D

Acq: 18 Mar 2025 12:03

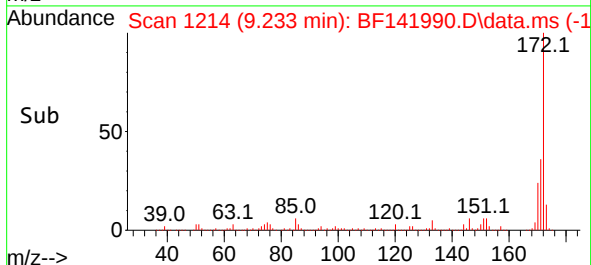
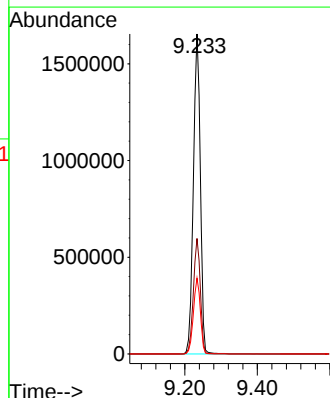
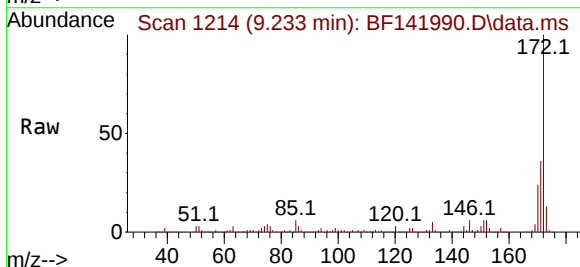
Tgt Ion:172 Resp: 2206121

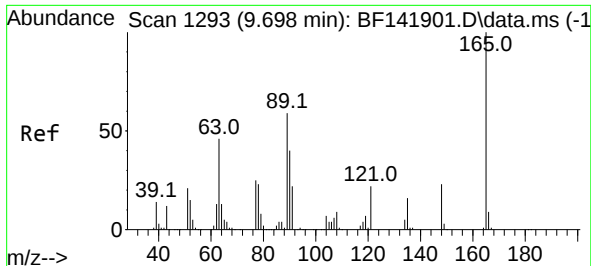
Ion Ratio Lower Upper

172 100

171 36.1 29.3 43.9

170 23.7 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.909 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF141990.D

Acq: 18 Mar 2025 12:03

Instrument :

BNA_F

ClientSampleId :

TAP-IDW-SOIL-031325-01

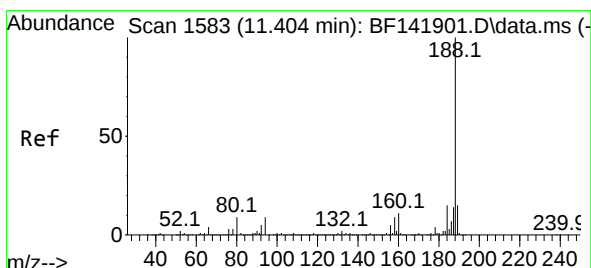
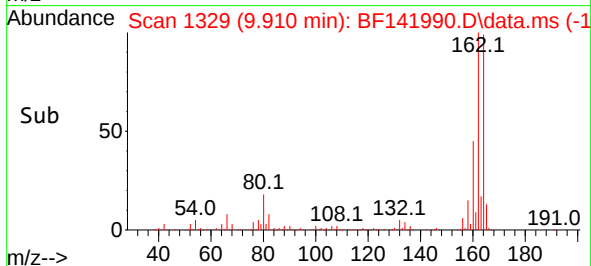
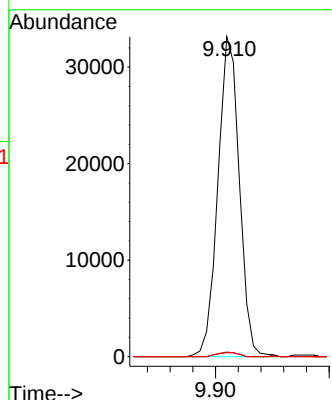
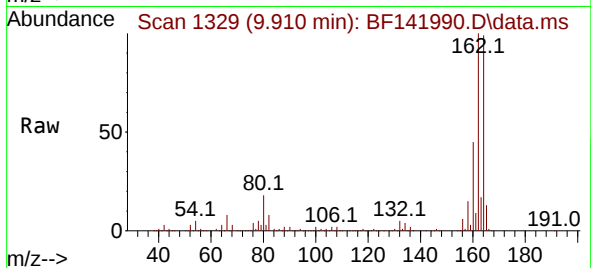
Tgt Ion:165 Resp: 43432

Ion Ratio Lower Upper

165 100

63 1.3 47.0 70.4#

89 1.4 47.4 71.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF141990.D

Acq: 18 Mar 2025 12:03

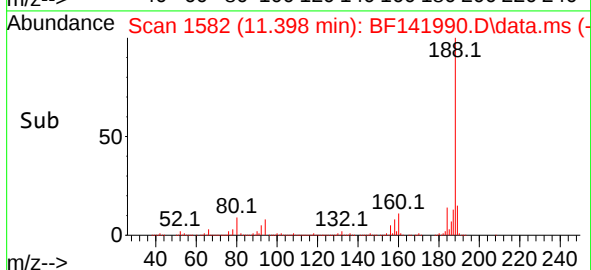
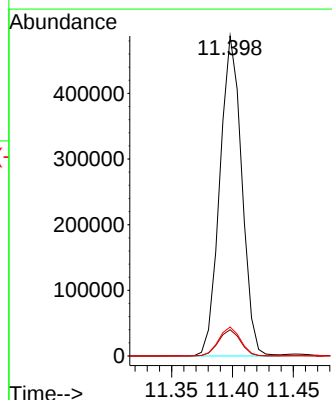
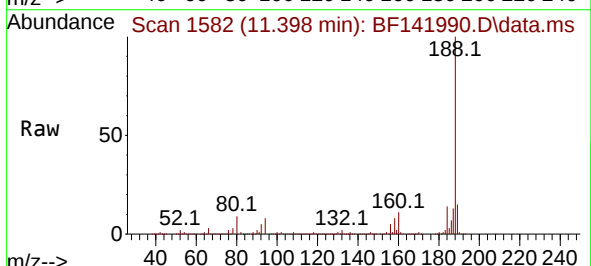
Tgt Ion:188 Resp: 612194

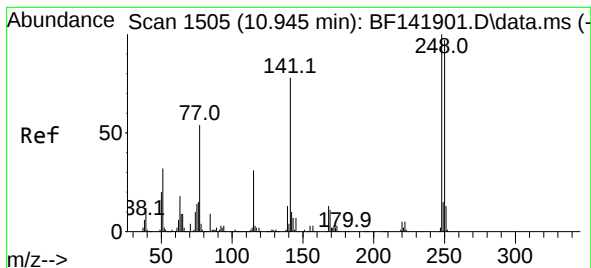
Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 9.1 7.6 11.4

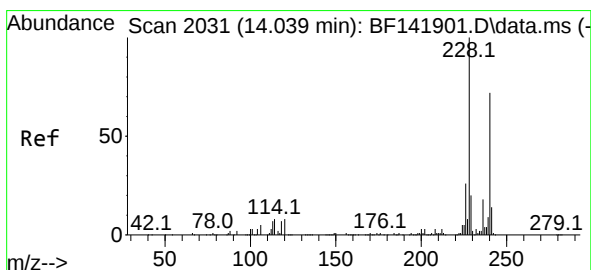
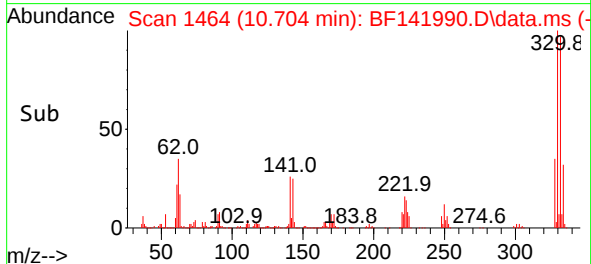
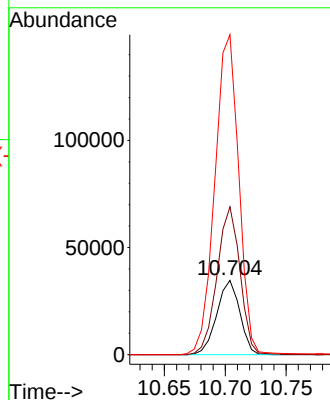
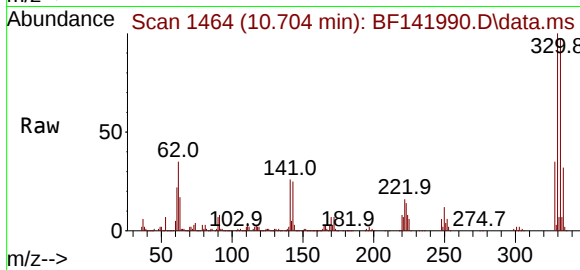




#67
4-Bromophenyl-phenylether
Concen: 5.947 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF141990.D
Acq: 18 Mar 2025 12:03

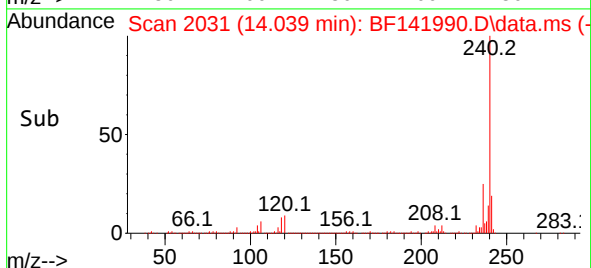
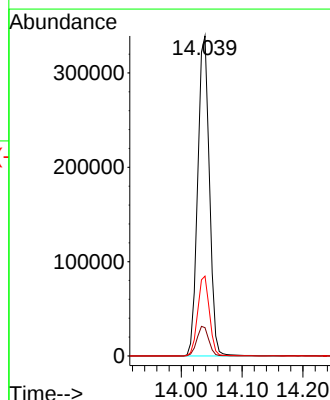
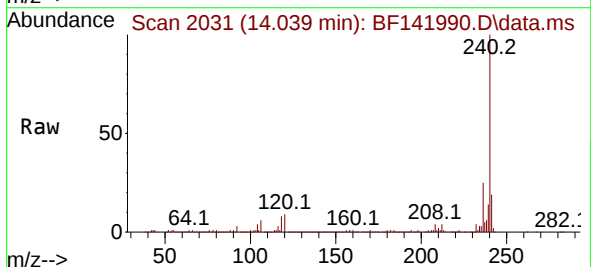
Instrument :
BNA_F
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TAP-IDW-SOIL-031325-01

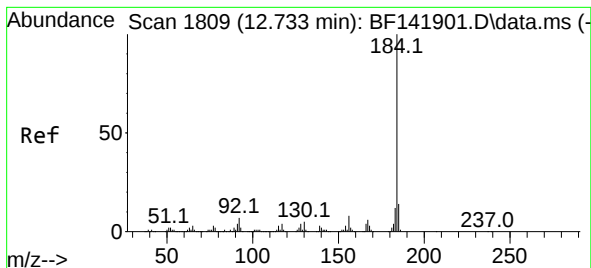
Tgt Ion:248 Resp: 45724
Ion Ratio Lower Upper
248 100
250 199.1 77.8 116.8#
141 430.9 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141990.D
Acq: 18 Mar 2025 12:03

Tgt Ion:240 Resp: 452555
Ion Ratio Lower Upper
240 100
120 8.8 8.4 12.6
236 25.0 20.5 30.7





#77

Benzidine

Concen: 6.624 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.253 min

Lab File: BF141990.D

Acq: 18 Mar 2025 12:03

Instrument :

BNA_F

ClientSampleId :

TAP-IDW-SOIL-031325-01

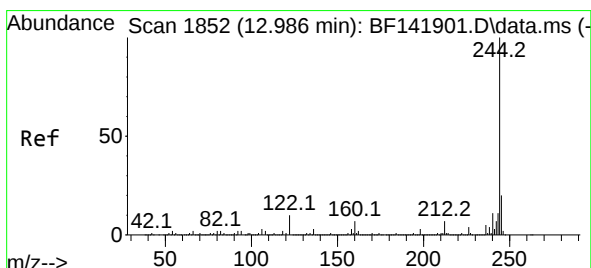
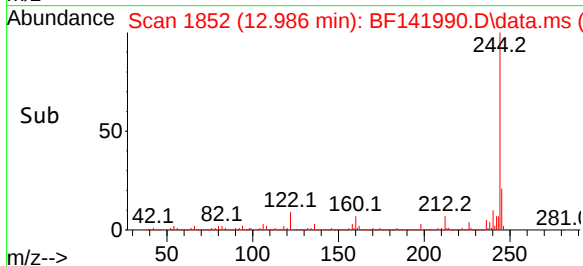
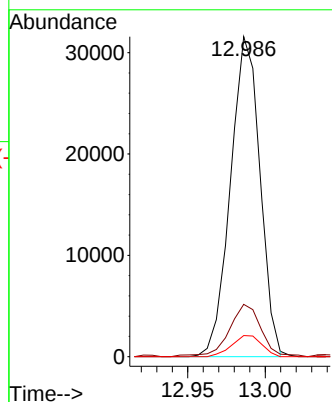
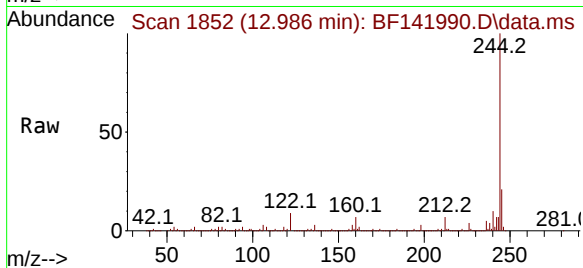
Tgt Ion:184 Resp: 41827

Ion Ratio Lower Upper

184 100

185 16.3 11.5 17.3

183 6.6 9.7 14.5#



#79

Terphenyl-d14

Concen: 103.099 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141990.D

Acq: 18 Mar 2025 12:03

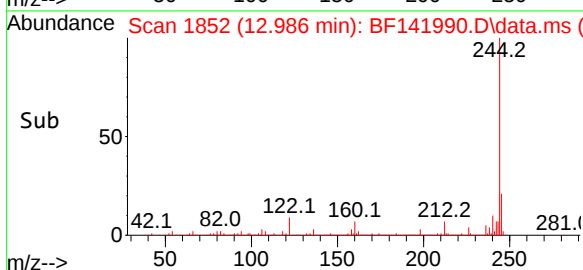
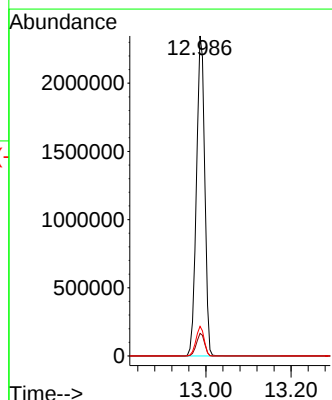
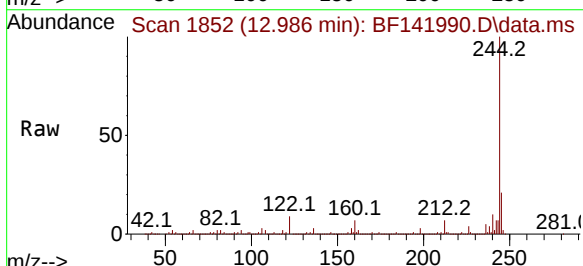
Tgt Ion:244 Resp: 3155849

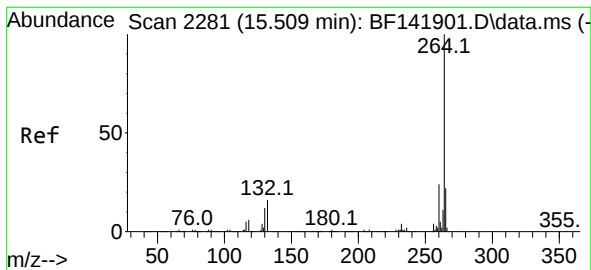
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.2 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141990.D

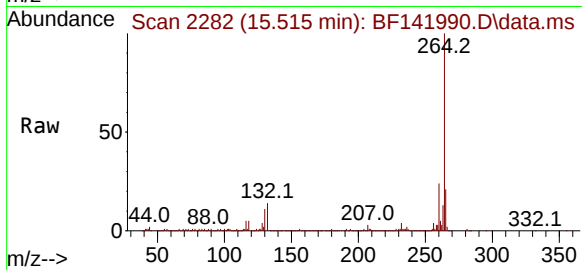
Acq: 18 Mar 2025 12:03

Instrument :

BNA_F

ClientSampleId :

TAP-IDW-SOIL-031325-01



Tgt Ion:264 Resp: 341952

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

265 21.1 17.5 26.3

