

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141719.D
 Acq On : 21 Feb 2025 14:48
 Operator : RC/JU
 Sample : Q1393-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Quant Time: Feb 21 15:12:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

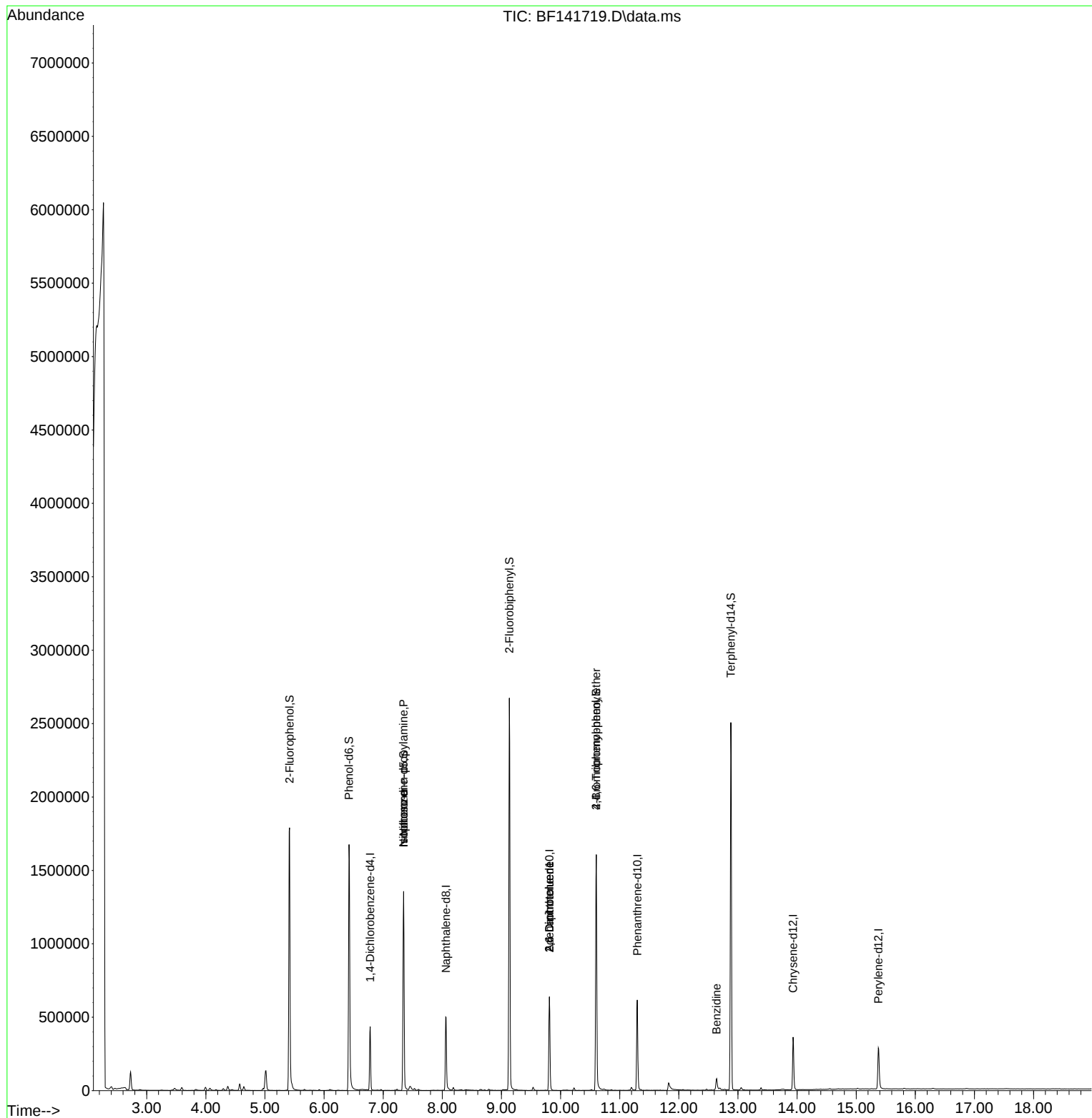
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	90292	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	360044	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	199433	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	339503	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	194684	20.000	ng	-0.03
86) Perylene-d12	15.374	264	187799	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	725991	126.054	ng	0.00
7) Phenol-d6	6.422	99	847663	116.448	ng	-0.02
23) Nitrobenzene-d5	7.345	82	620403	89.875	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	281609	140.566	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	1200931	92.773	ng	-0.02
79) Terphenyl-d14	12.880	244	1267913	109.945	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	83321	19.136	ng	# 72
25) Isophorone	7.345	82	600302	54.541	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	25444	8.597	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	25444	6.458	ng	# 18
67) 4-Bromophenyl-phenylether	10.604	248	19465	5.130	ng	# 1
77) Benzidine	12.639	184	51459	11.985	ng	100

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

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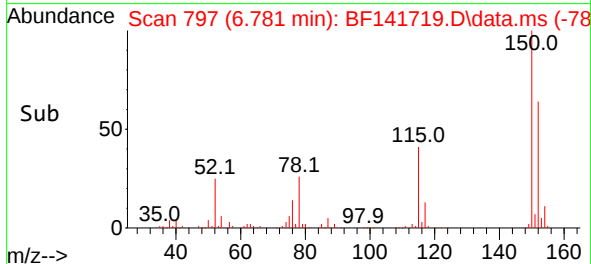
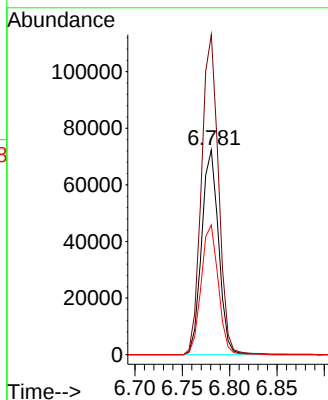
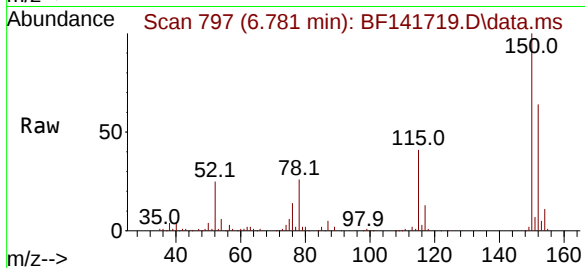




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141719.D
 Acq: 21 Feb 2025 14:48

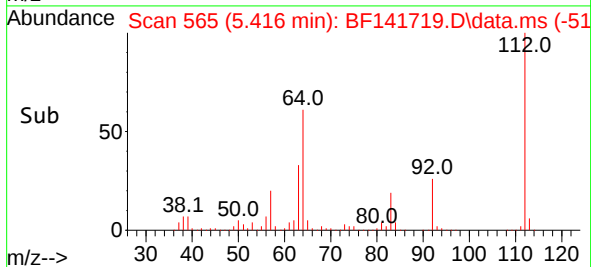
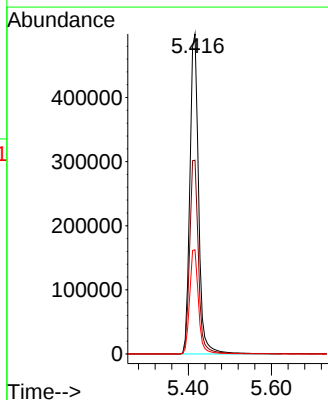
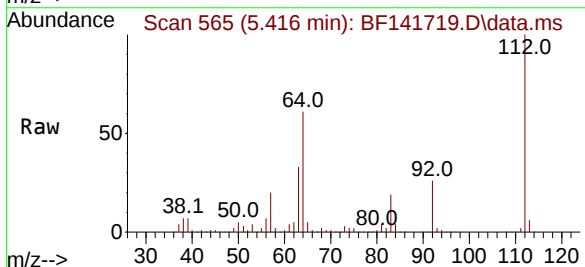
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Tgt Ion:152 Resp: 90292
 Ion Ratio Lower Upper
 152 100
 150 156.2 125.0 187.4
 115 63.4 53.6 80.4



#5
 2-Fluorophenol
 Concen: 126.054 ng
 RT: 5.416 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF141719.D
 Acq: 21 Feb 2025 14:48

Tgt Ion:112 Resp: 725991
 Ion Ratio Lower Upper
 112 100
 64 60.5 51.1 76.7
 63 32.5 28.4 42.6

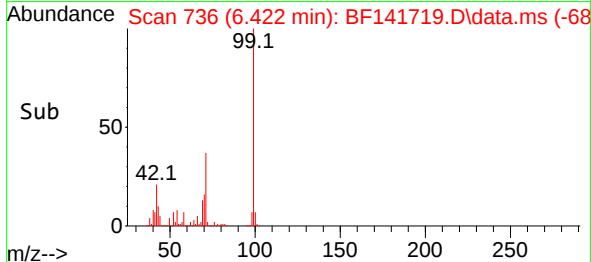
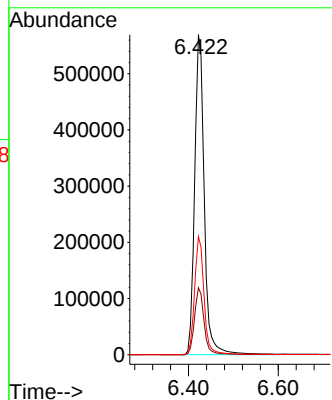
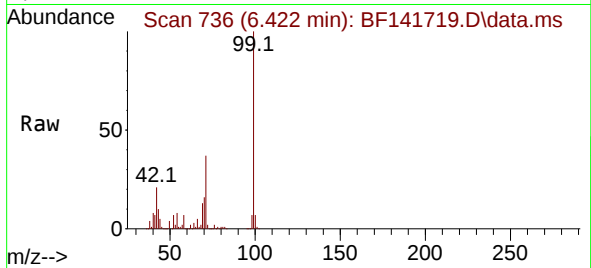




#7
Phenol-d6
Concen: 116.448 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

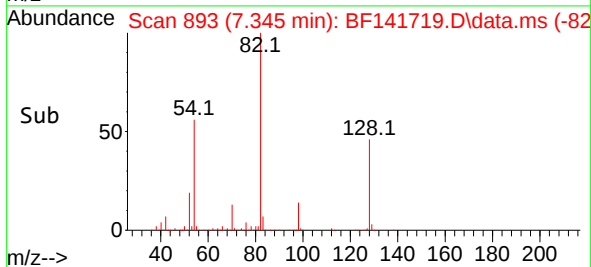
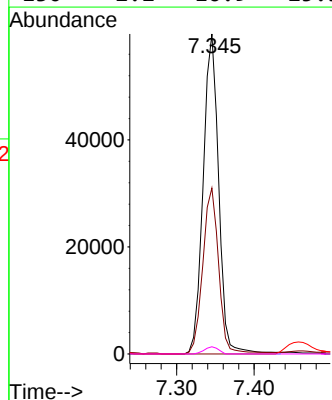
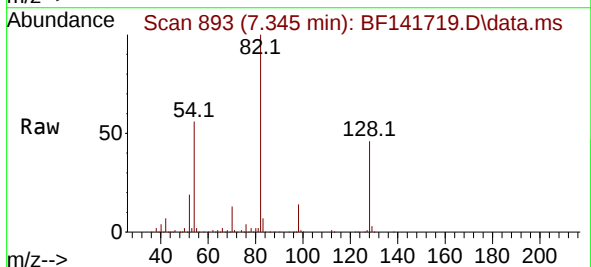
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion: 99 Resp: 847663
Ion Ratio Lower Upper
99 100
42 20.9 19.1 28.7
71 36.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 19.136 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

Tgt Ion: 70 Resp: 83321
Ion Ratio Lower Upper
70 100
42 51.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#

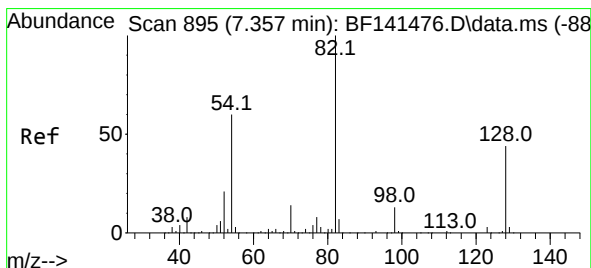
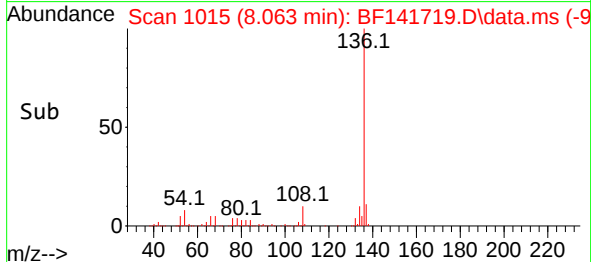
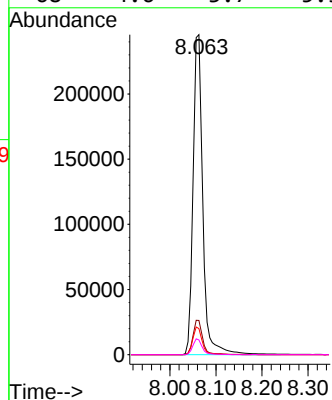
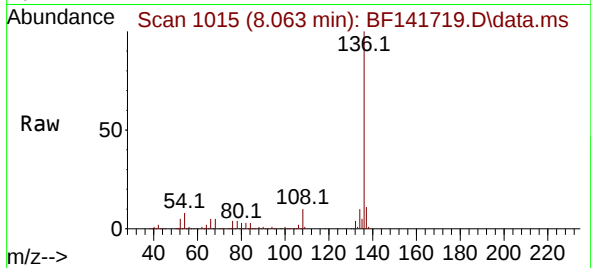




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

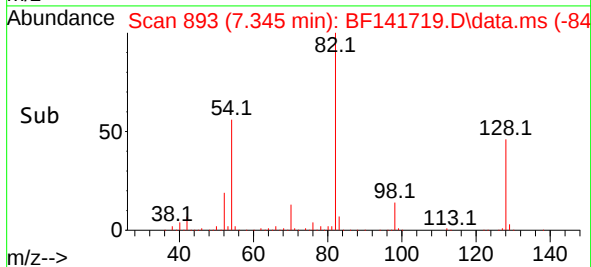
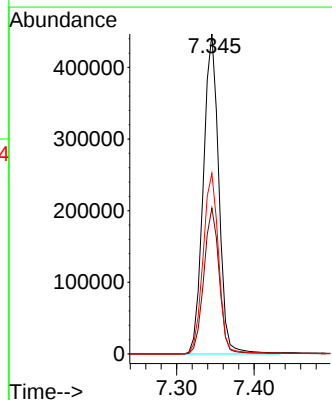
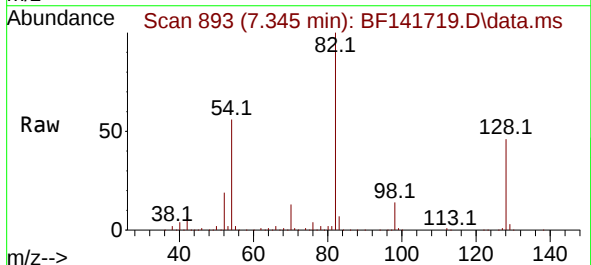
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt	Ion:136	Resp:	360044
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.1	7.2	10.8
68	4.6	3.7	5.5



#23
Nitrobenzene-d5
Concen: 89.875 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

Tgt Ion: 82	Resp: 620403
Ion Ratio	Lower Upper
82 100	
128 45.6	34.8 52.2
54 56.5	48.2 72.4

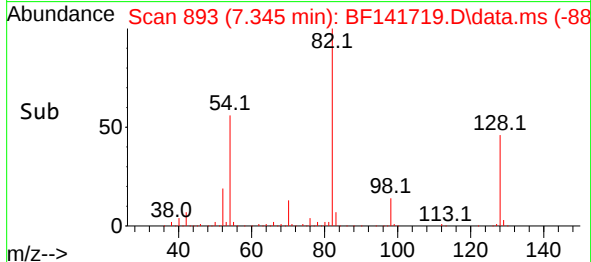
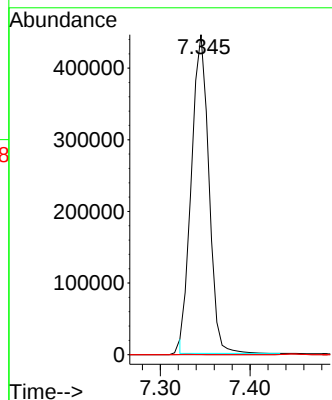
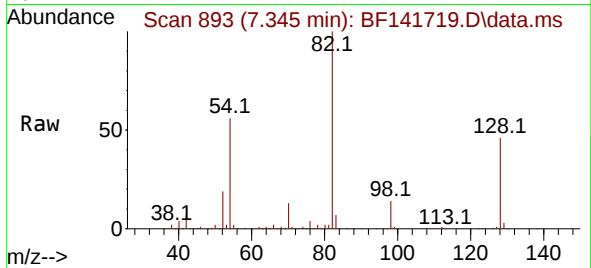




#25
Isophorone
Concen: 54.541 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

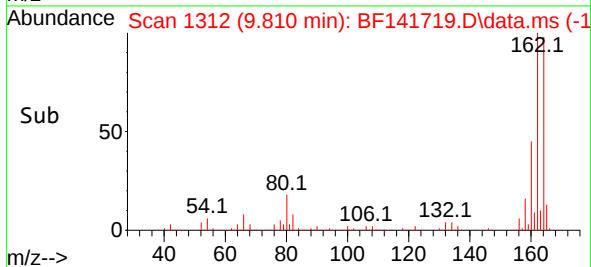
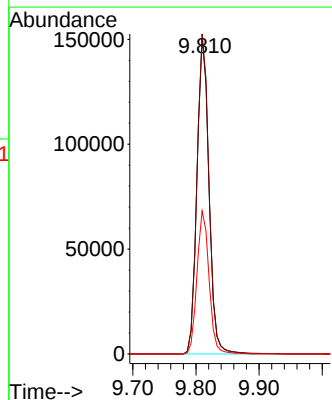
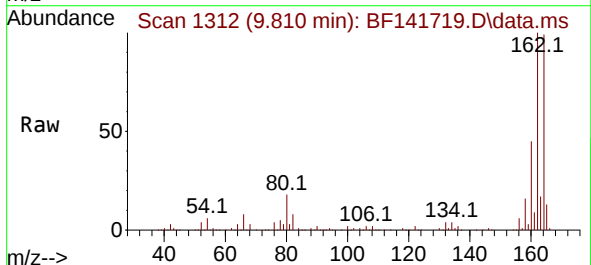
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion: 82 Resp: 600302
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

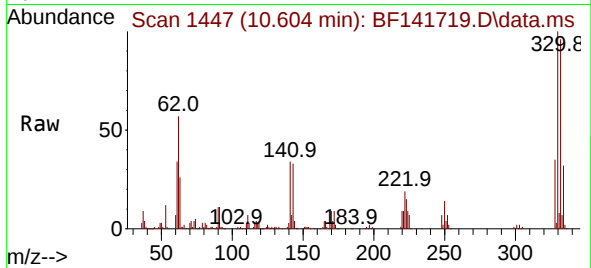
Tgt Ion:164 Resp: 199433
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 45.2 35.9 53.9



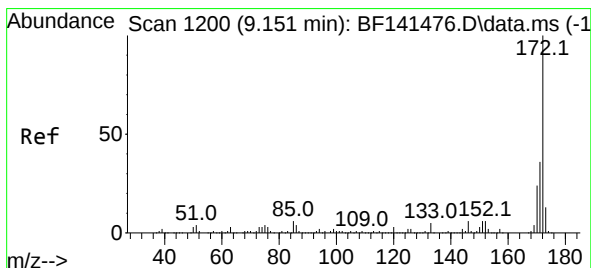
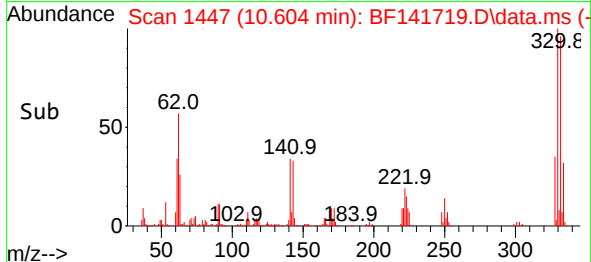
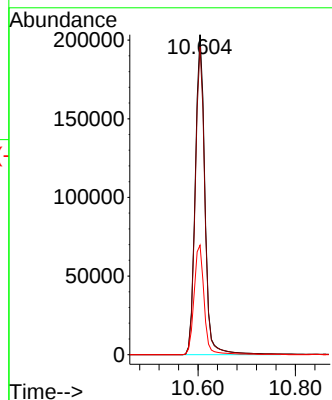


#42
2,4,6-Tribromophenol
Concen: 140.566 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

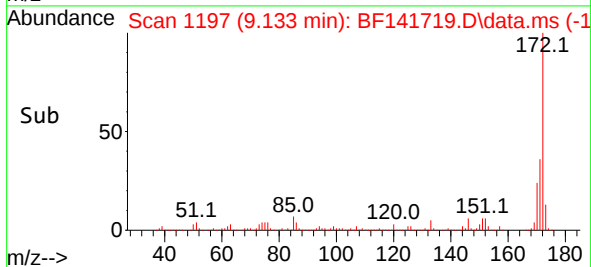
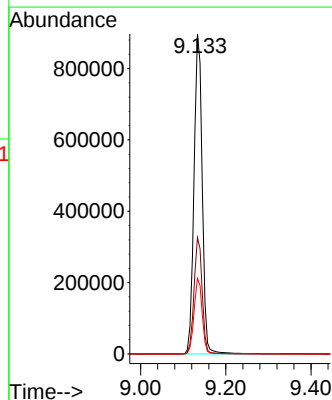
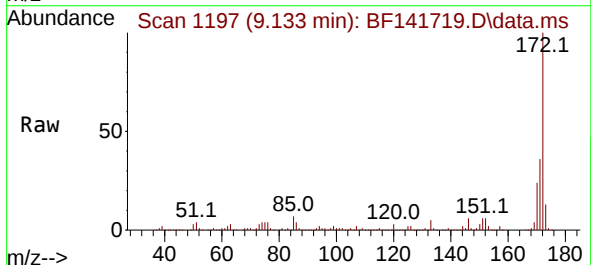


Tgt Ion:330 Resp: 281609
Ion Ratio Lower Upper
330 100
332 95.6 78.5 117.7
141 35.6 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 92.773 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

Tgt Ion:172 Resp: 1200931
Ion Ratio Lower Upper
172 100
171 36.3 28.7 43.1
170 23.6 18.9 28.3

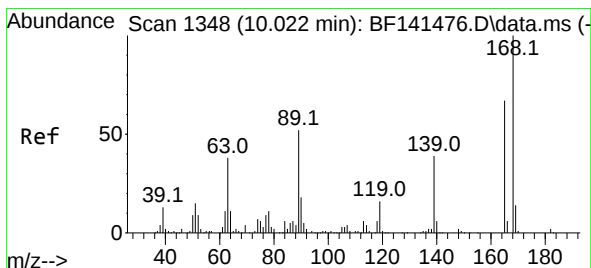
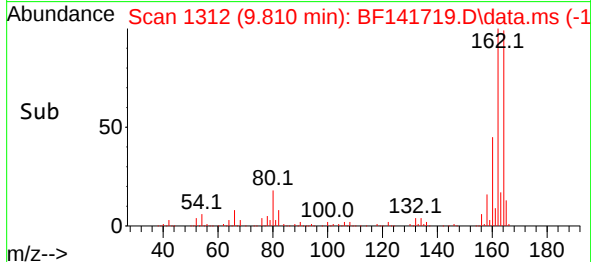
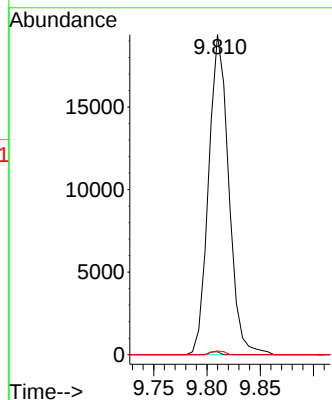
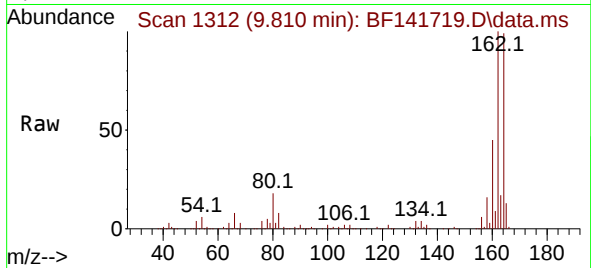




#51
2,6-Dinitrotoluene
Concen: 8.597 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.188 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

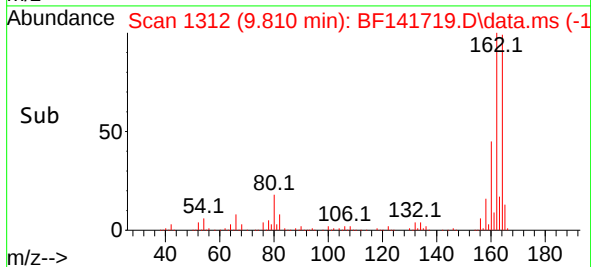
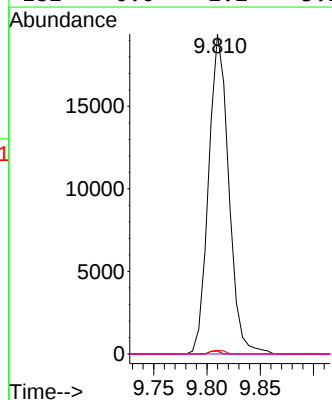
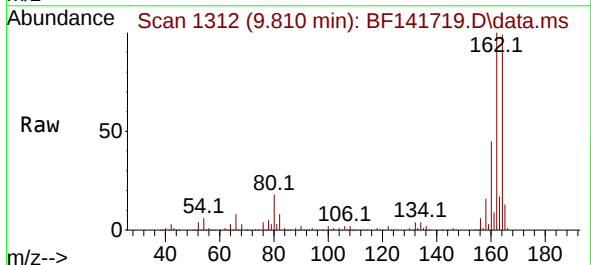
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

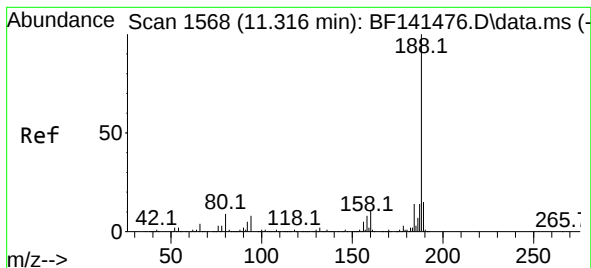
Tgt Ion:165 Resp: 25444
Ion Ratio Lower Upper
165 100
63 0.9 49.4 74.0#
89 1.1 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.458 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.218 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

Tgt Ion:165 Resp: 25444
Ion Ratio Lower Upper
165 100
63 0.9 46.4 69.6#
89 1.1 61.8 92.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141719.D

Acq: 21 Feb 2025 14:48

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

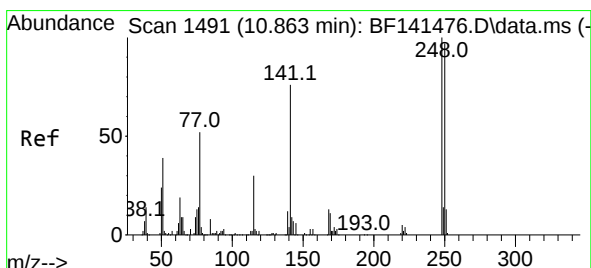
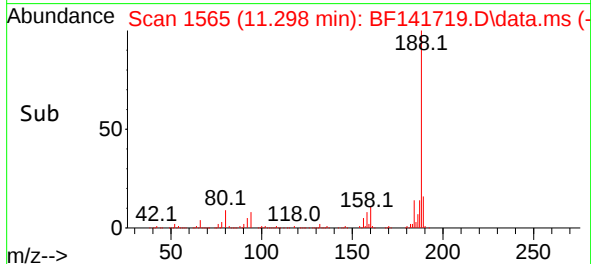
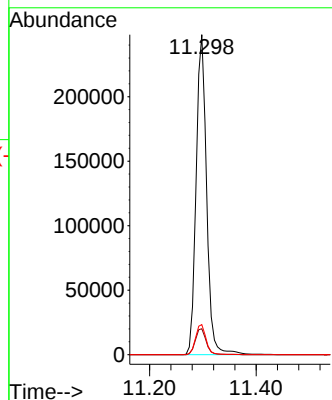
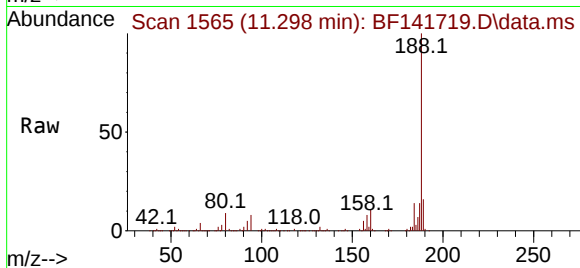
Tgt Ion:188 Resp: 339503

Ion Ratio Lower Upper

188 100

94 8.1 6.6 10.0

80 9.4 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.130 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141719.D

Acq: 21 Feb 2025 14:48

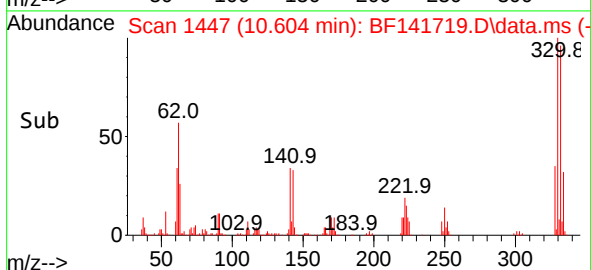
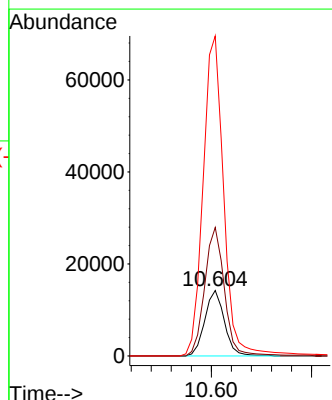
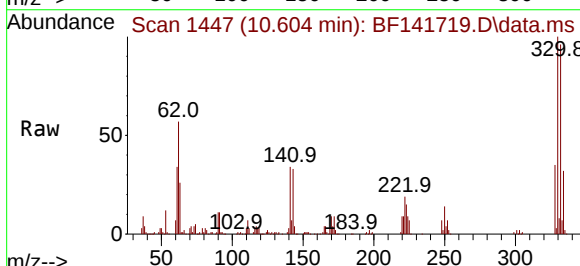
Tgt Ion:248 Resp: 19465

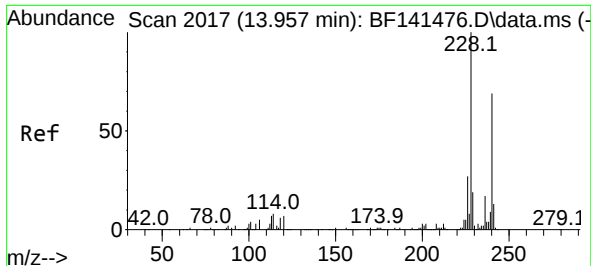
Ion Ratio Lower Upper

248 100

250 196.6 77.8 116.6#

141 489.5 60.6 90.8#

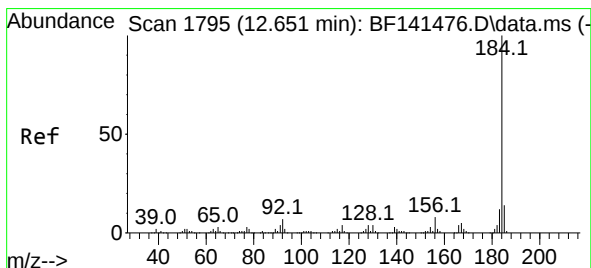
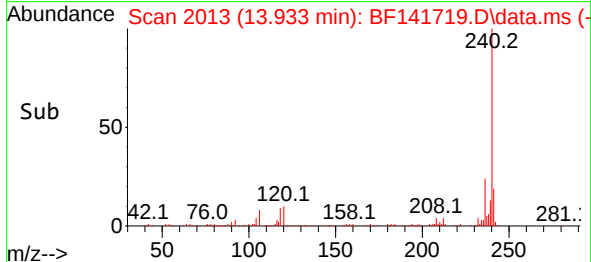
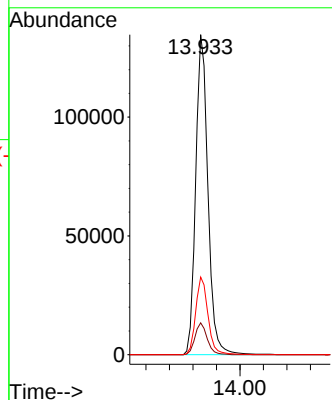
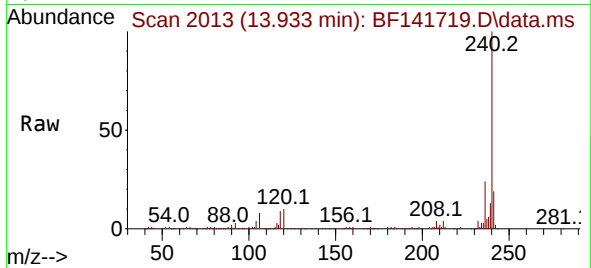




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2017
Delta R.T. -0.029 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

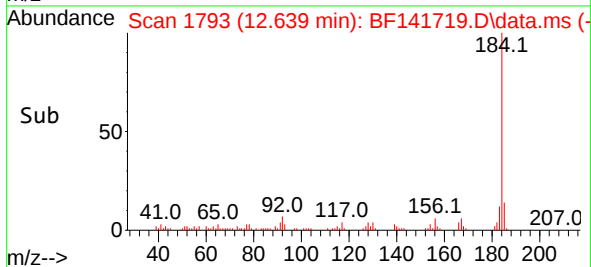
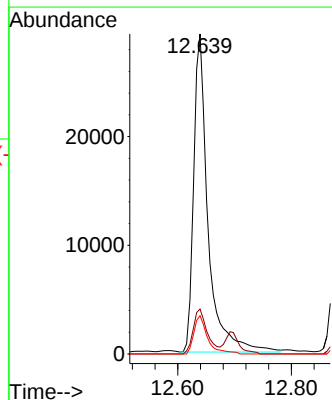
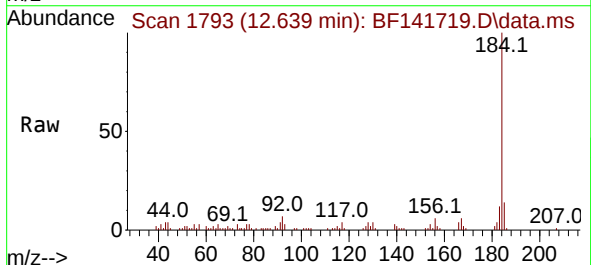
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:240 Resp: 194684
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 24.3 19.8 29.8



#77
Benzidine
Concen: 11.985 ng
RT: 12.639 min Scan# 1793
Delta R.T. -0.018 min
Lab File: BF141719.D
Acq: 21 Feb 2025 14:48

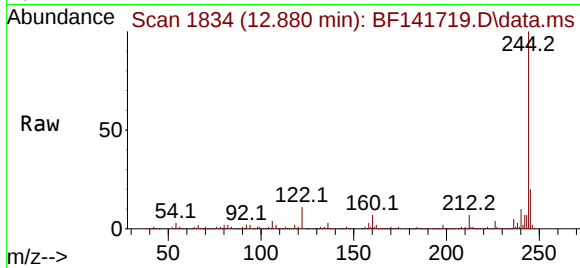
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Ion Ratio Lower Upper
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185 14.0 11.3 16.9
183 11.9 9.3 13.9



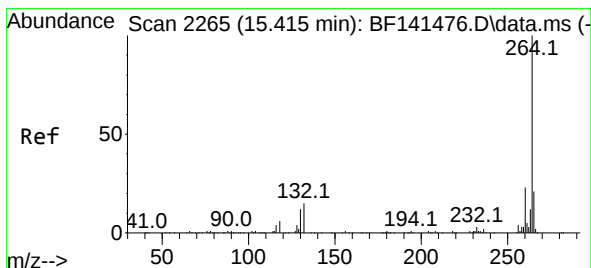
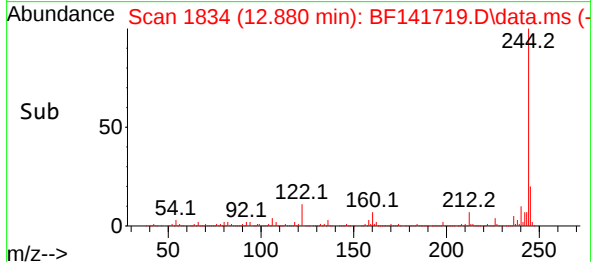
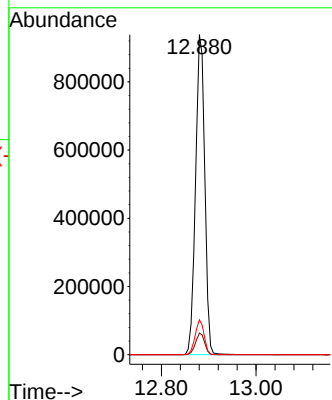


#79
 Terphenyl-d14
 Concen: 109.945 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141719.D
 Acq: 21 Feb 2025 14:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP



Tgt Ion:244 Resp: 1267913
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.9 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.374 min Scan# 2258
 Delta R.T. -0.041 min
 Lab File: BF141719.D
 Acq: 21 Feb 2025 14:48

Tgt Ion:264 Resp: 187799
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 22.1 17.0 25.4

