

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143126.D
 Acq On : 17 Jul 2025 00:07
 Operator : RC/JU
 Sample : Q2600-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 END-OF-TRENCH

Quant Time: Jul 17 03:47:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

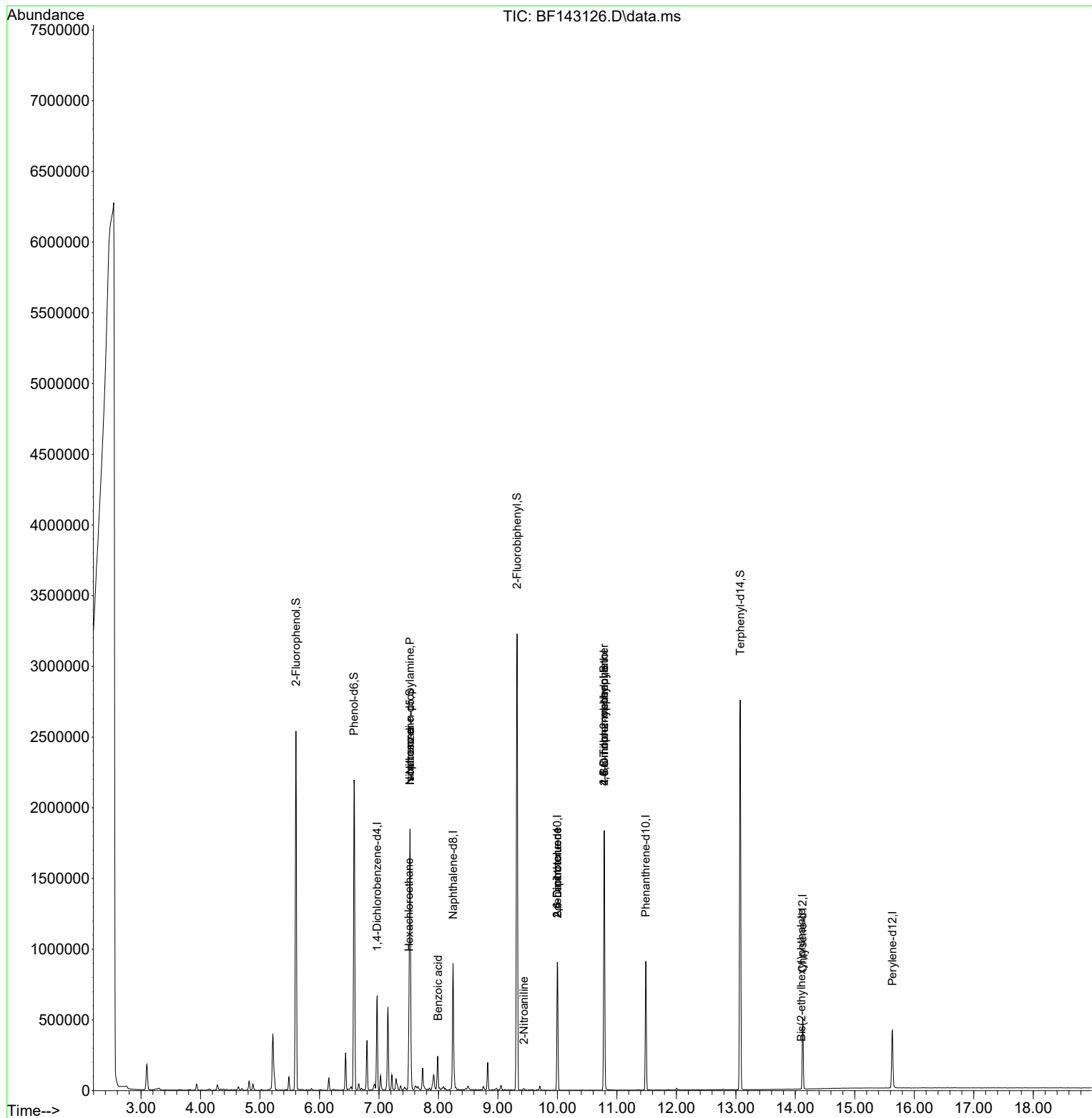
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	135635	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	524876	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	266724	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	444795	20.000	ng	0.00
76) Chrysene-d12	14.121	240	246117	20.000	ng	0.00
86) Perylene-d12	15.633	264	243269	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	930384	108.375	ng	0.02
7) Phenol-d6	6.581	99	1069499	99.109	ng	0.00
23) Nitrobenzene-d5	7.522	82	788771	84.303	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	316136	132.928	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1441167	71.824	ng	0.00
79) Terphenyl-d14	13.074	244	1343330	79.787	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.504	117	30756	9.637	ng	# 1
19) n-Nitroso-di-n-propyla...	7.522	70	108115	16.353	ng	# 78
25) Isophorone	7.522	82	786060	43.466	ng	# 65
32) Benzoic acid	7.992	122	657	6.657	ng	# 1
48) 2-Nitroaniline	9.439	65	198	3.215	ng	# 8
51) 2,6-Dinitrotoluene	9.998	165	34281	12.533	ng	# 17
57) 2,4-Dinitrotoluene	9.998	165	34281	11.092	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	643	5.868	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	18868	3.730	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.104	149	273	3.448	ng	# 53

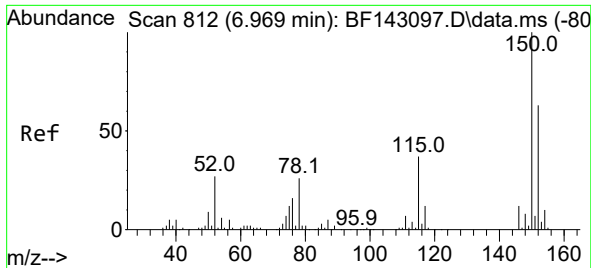
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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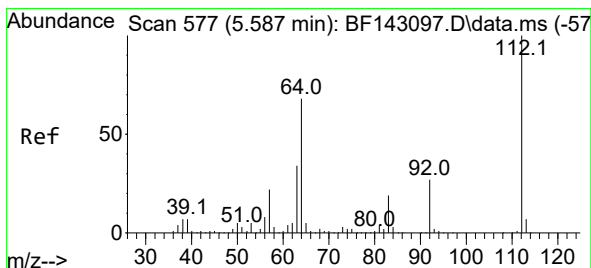
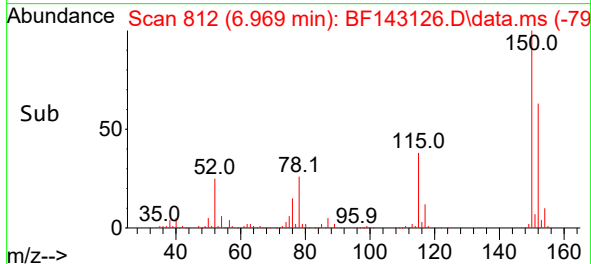
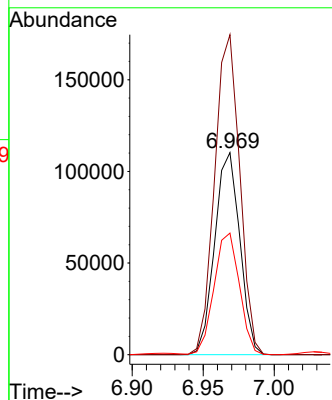
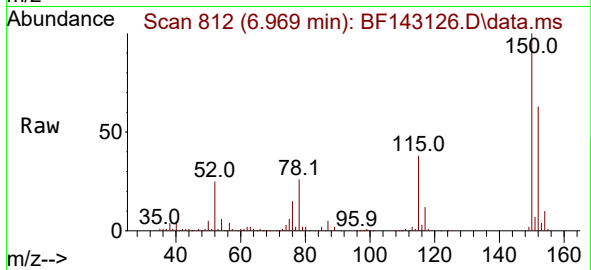




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

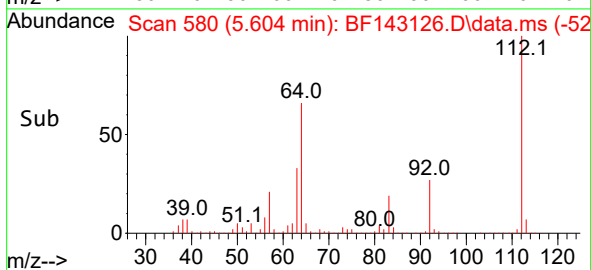
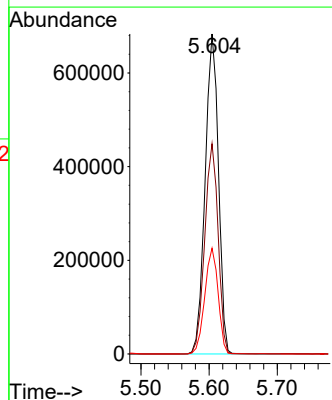
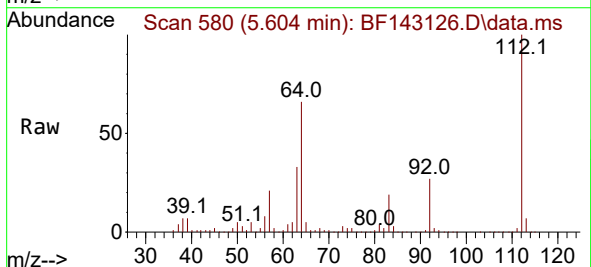
Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

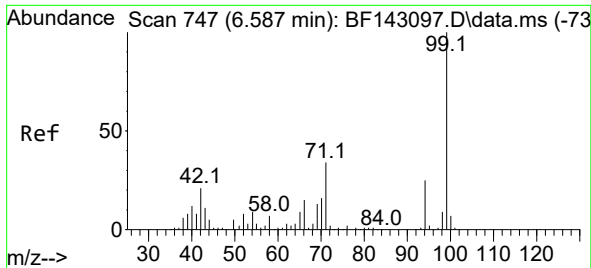
Tgt Ion:152 Resp: 135635
Ion Ratio Lower Upper
152 100
150 158.3 126.5 189.7
115 60.2 47.0 70.6



#5
2-Fluorophenol
Concen: 108.375 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:112 Resp: 930384
Ion Ratio Lower Upper
112 100
64 65.7 54.6 82.0
63 33.1 27.3 40.9

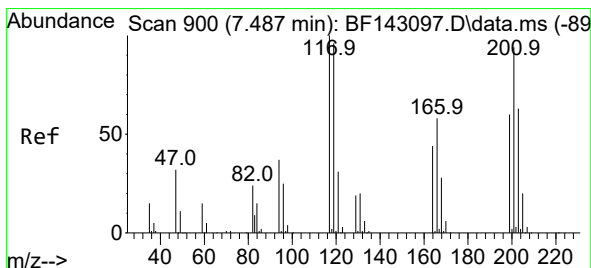
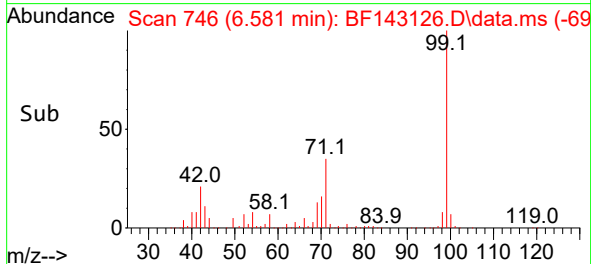
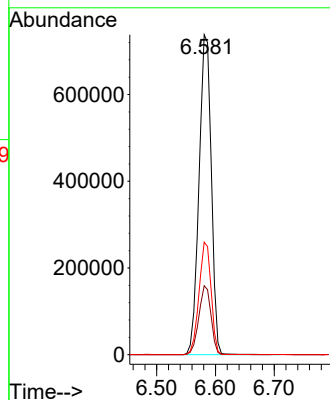
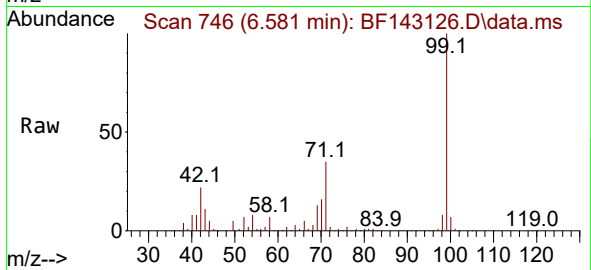




#7
Phenol-d6
Concen: 99.109 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

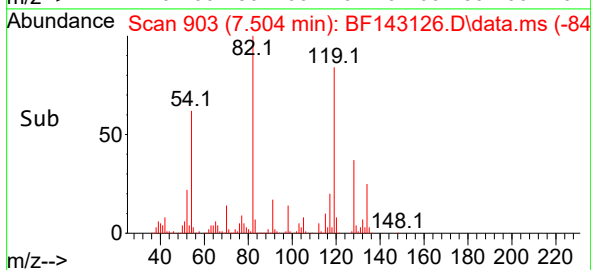
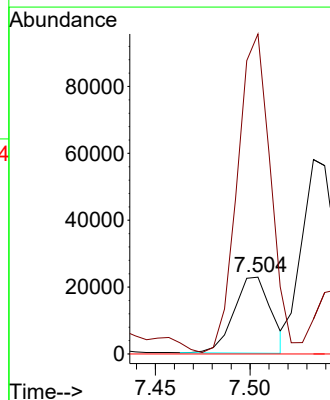
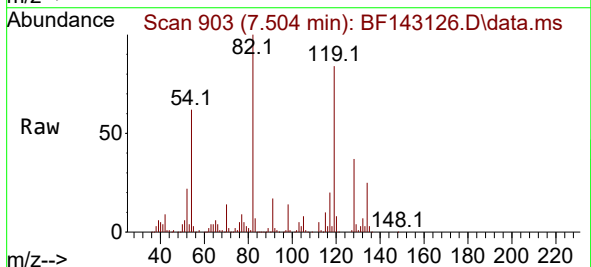
Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

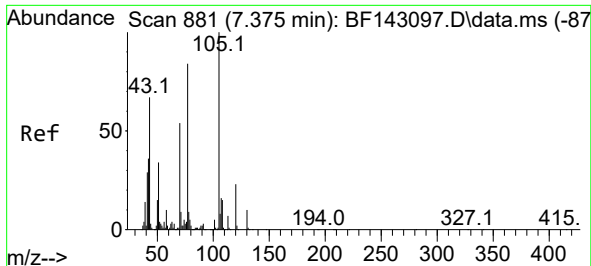
Tgt Ion: 99 Resp: 1069499
Ion Ratio Lower Upper
99 100
42 21.5 17.2 25.8
71 35.2 27.4 41.0



#18
Hexachloroethane
Concen: 9.637 ng
RT: 7.504 min Scan# 903
Delta R.T. 0.018 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion: 117 Resp: 30756
Ion Ratio Lower Upper
117 100
119 416.3 76.7 115.1#
201 0.0 75.0 112.4#

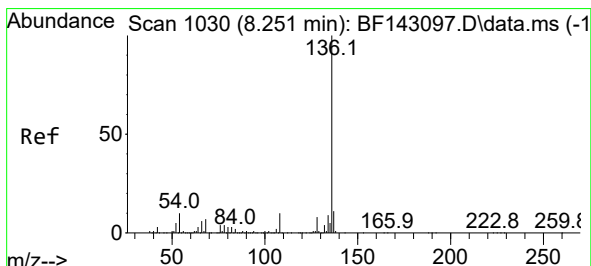
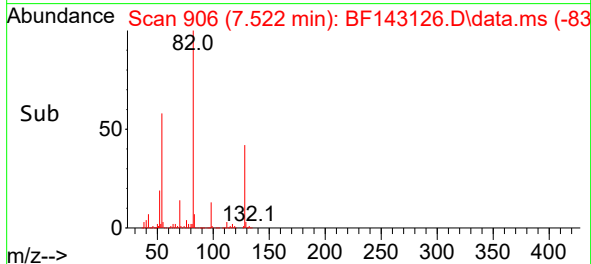
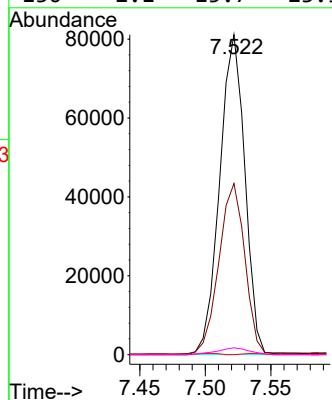
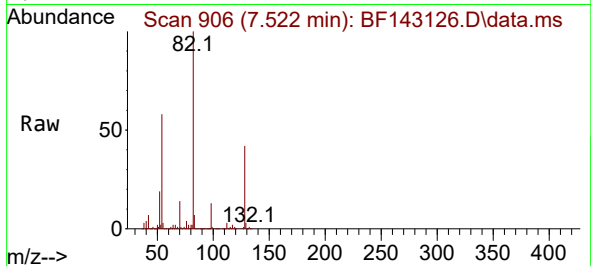




#19
n-Nitroso-di-n-propylamine
Concen: 16.353 ng
RT: 7.522 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

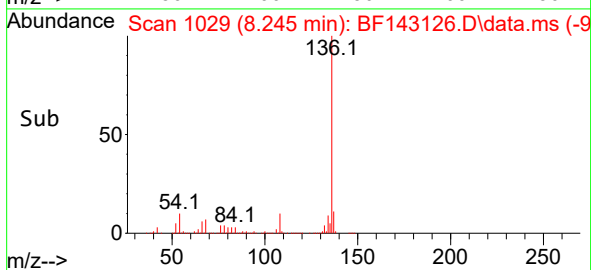
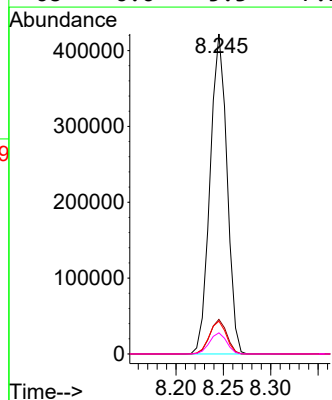
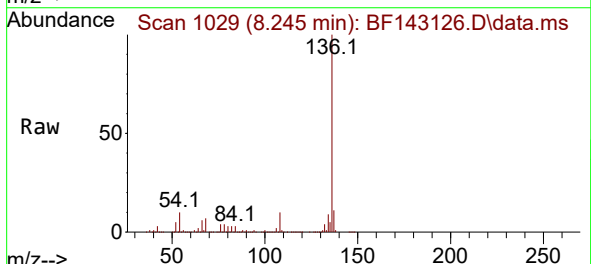
Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

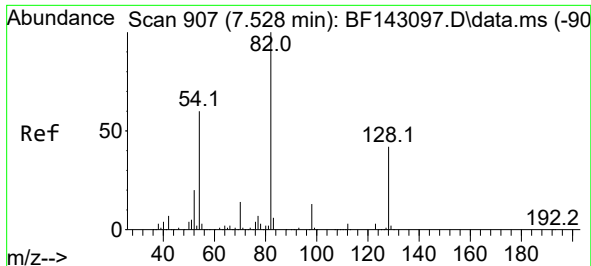
Tgt Ion:	70	Resp:	108115
Ion	Ratio	Lower	Upper
70	100		
42	53.5	53.2	79.8
101	0.0	7.5	11.3#
130	2.1	15.7	23.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:	136	Resp:	524876
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.3	8.3	12.5
68	6.6	5.3	7.9





#23

Nitrobenzene-d5

Concen: 84.303 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143126.D

Acq: 17 Jul 2025 00:07

Instrument :

BNA_F

ClientSampleId :

END-OF-TRENCH

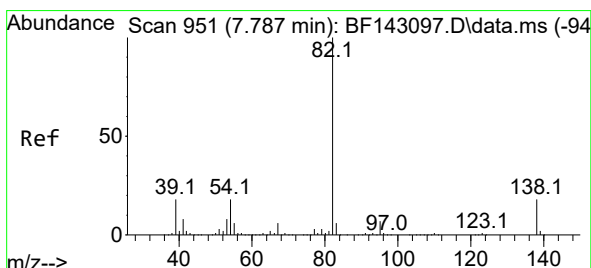
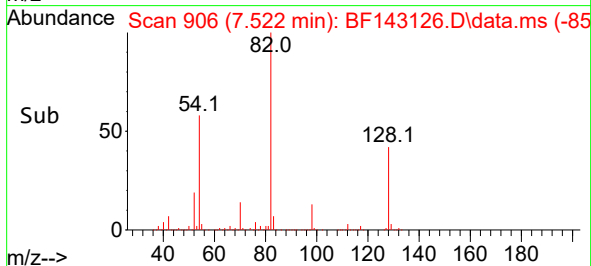
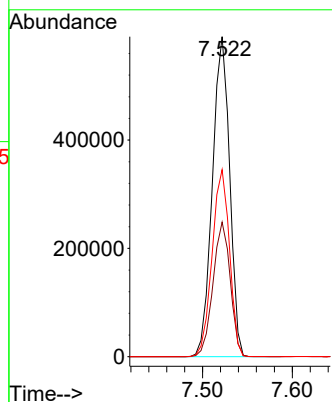
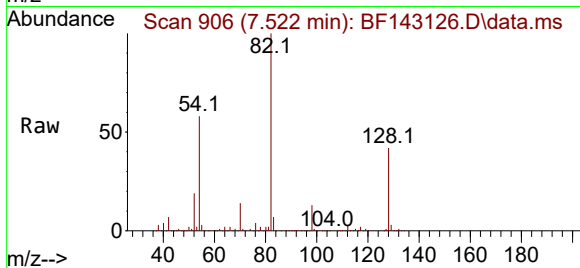
Tgt Ion: 82 Resp: 788771

Ion Ratio Lower Upper

82 100

128 42.0 33.3 49.9

54 58.5 47.4 71.2



#25

Isophorone

Concen: 43.466 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.265 min

Lab File: BF143126.D

Acq: 17 Jul 2025 00:07

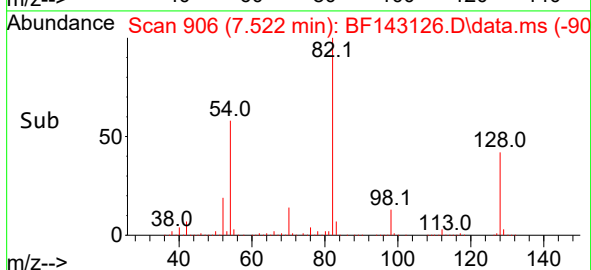
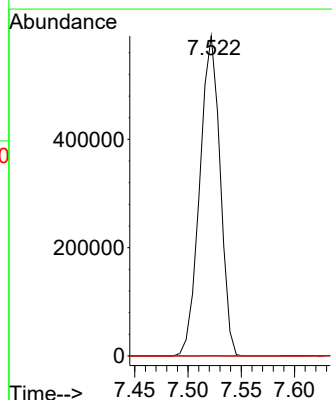
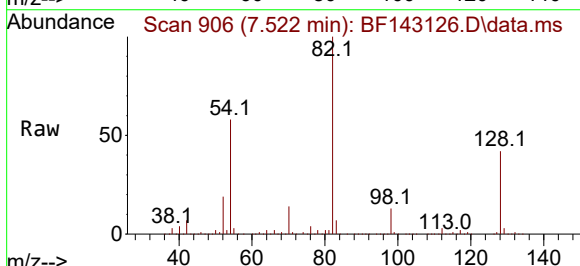
Tgt Ion: 82 Resp: 786060

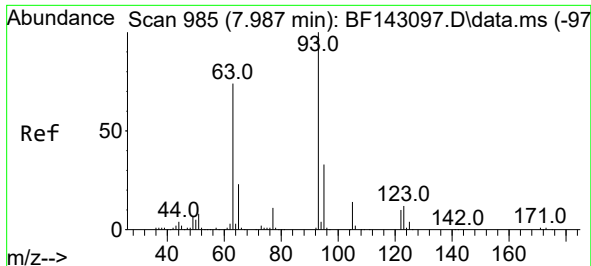
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.3 21.5#

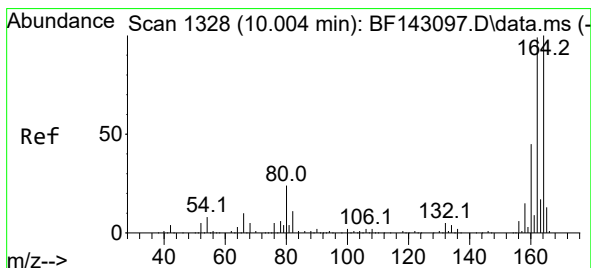
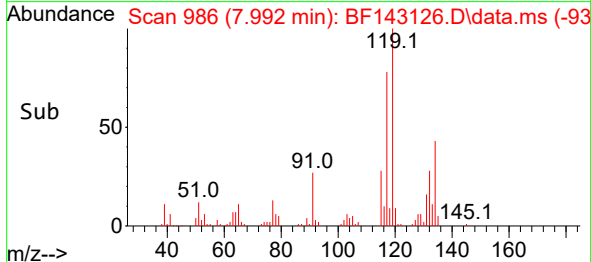
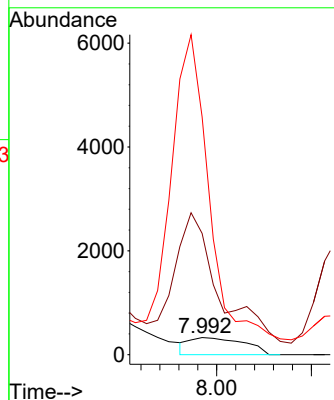
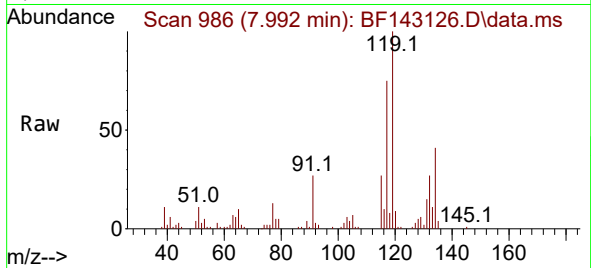




#32
Benzoic acid
Concen: 6.657 ng
RT: 7.992 min Scan# 91
Delta R.T. 0.005 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

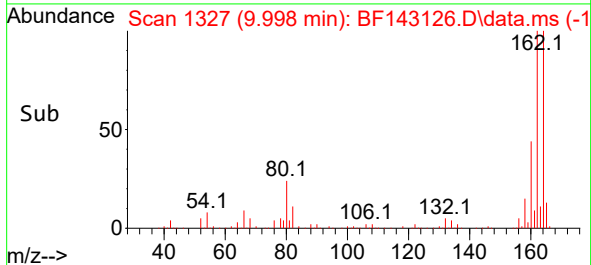
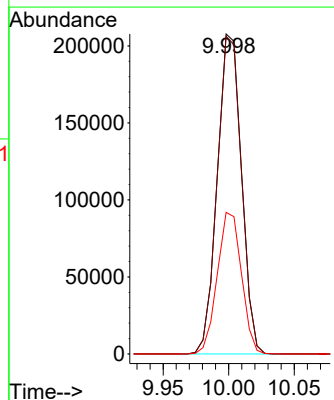
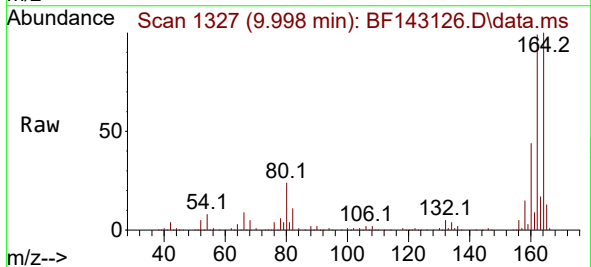
Instrument :
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ClientSampleId :
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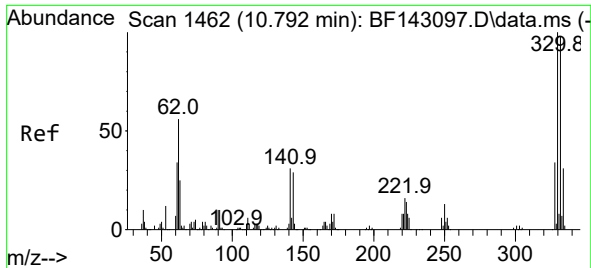
Tgt Ion:122 Resp: 657
Ion Ratio Lower Upper
122 100
105 708.2 105.4 145.4#
77 1387.6 78.6 118.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

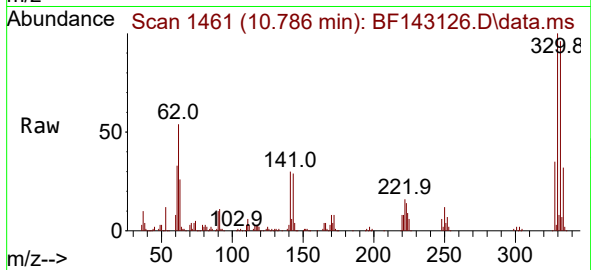
Tgt Ion:164 Resp: 266724
Ion Ratio Lower Upper
164 100
162 99.3 79.0 118.6
160 44.2 35.8 53.6



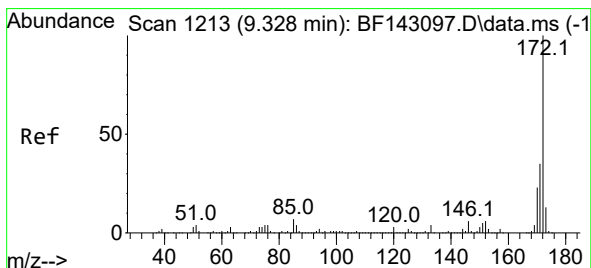
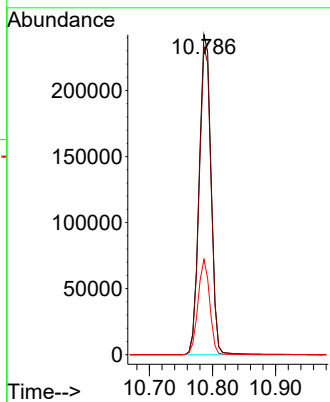
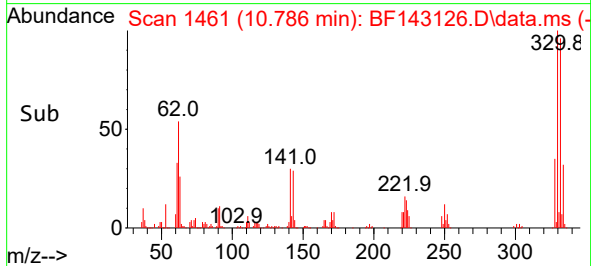


#42
2,4,6-Tribromophenol
Concen: 132.928 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

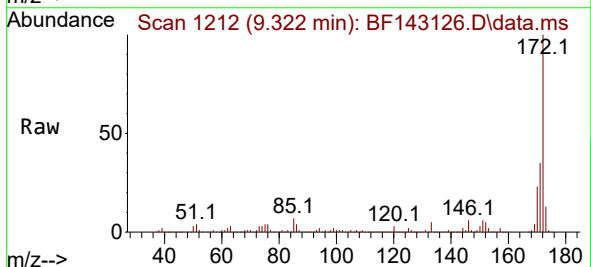
Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH



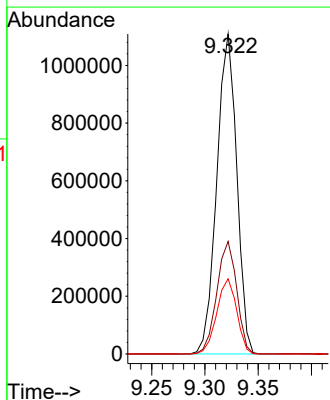
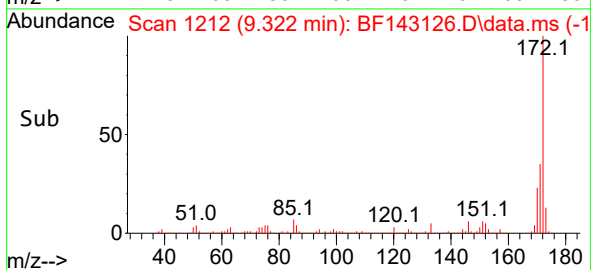
Tgt Ion:330 Resp: 316136
Ion Ratio Lower Upper
330 100
332 96.2 77.9 116.9
141 29.2 25.9 38.9

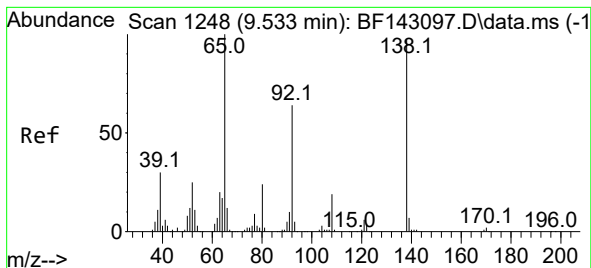


#45
2-Fluorobiphenyl
Concen: 71.824 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07



Tgt Ion:172 Resp: 1441167
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.5 18.6 28.0





#48

2-Nitroaniline

Concen: 3.215 ng

RT: 9.439 min Scan# 11

Delta R.T. -0.094 min

Lab File: BF143126.D

Acq: 17 Jul 2025 00:07

Instrument :

BNA_F

ClientSampleId :

END-OF-TRENCH

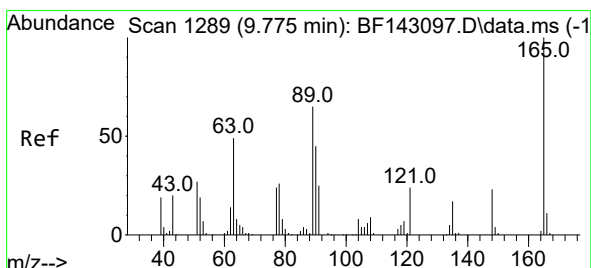
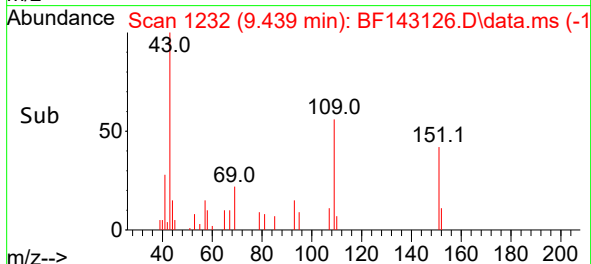
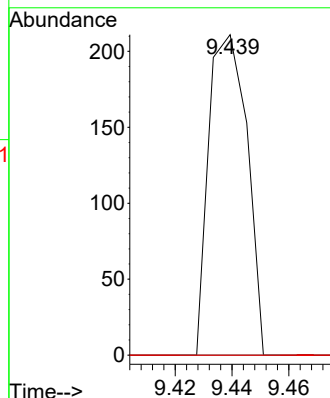
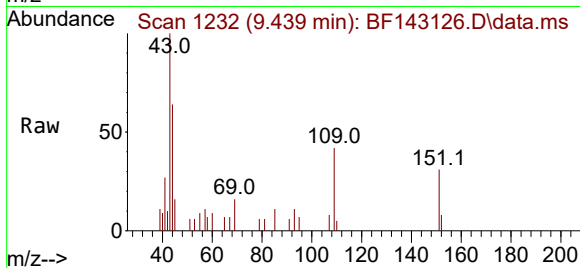
Tgt Ion: 65 Resp: 198

Ion Ratio Lower Upper

65 100

92 0.0 51.3 76.9#

138 0.0 77.8 116.6#



#51

2,6-Dinitrotoluene

Concen: 12.533 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.223 min

Lab File: BF143126.D

Acq: 17 Jul 2025 00:07

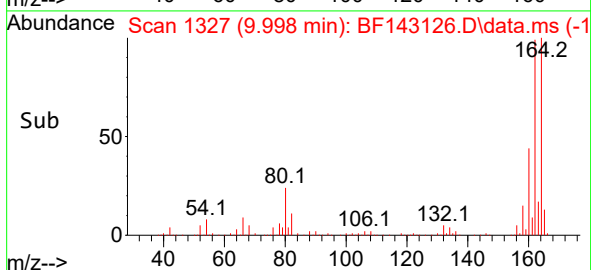
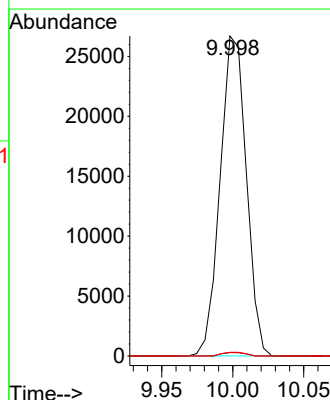
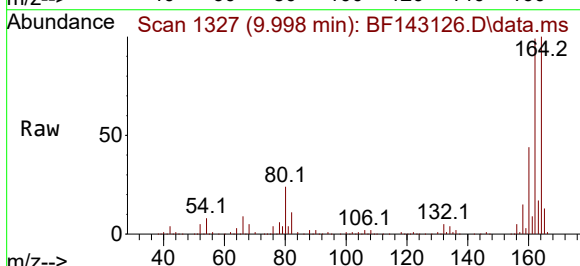
Tgt Ion:165 Resp: 34281

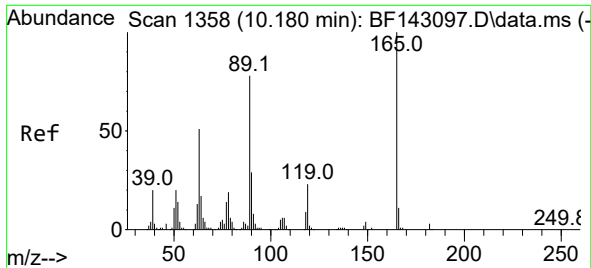
Ion Ratio Lower Upper

165 100

63 1.1 57.4 86.0#

89 1.1 51.8 77.8#

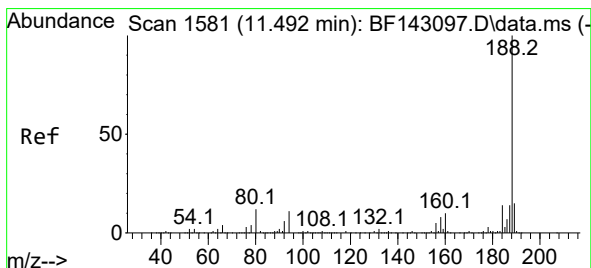
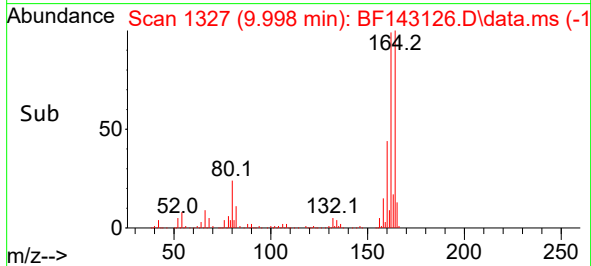
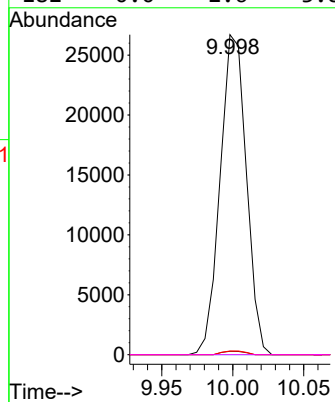
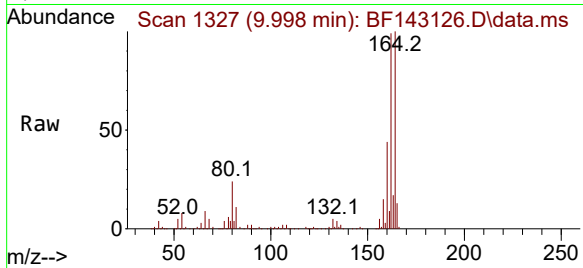




#57
2,4-Dinitrotoluene
Concen: 11.092 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

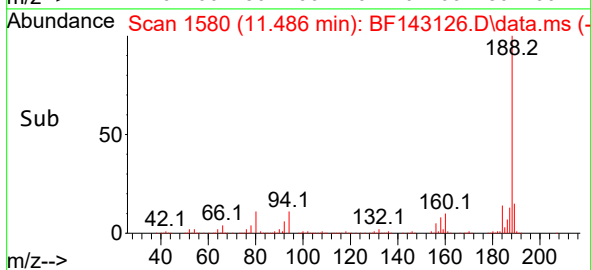
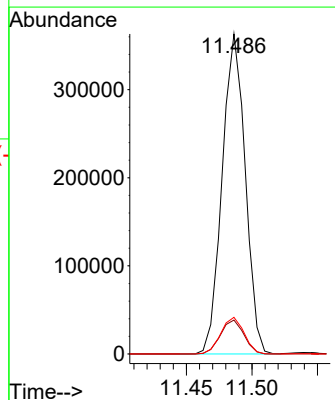
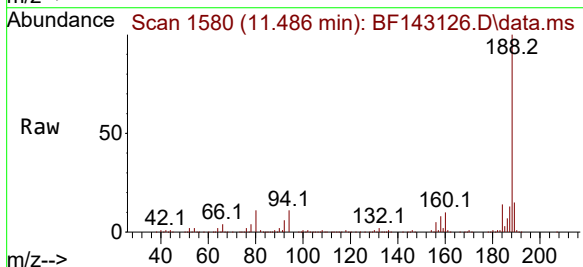
Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

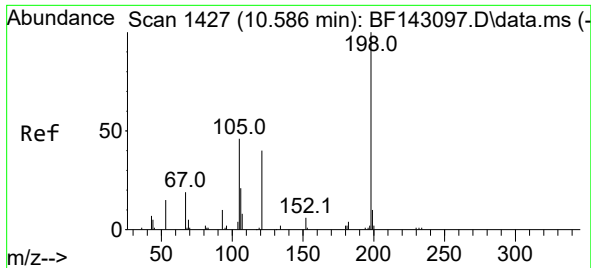
Tgt Ion:165 Resp: 34281
Ion Ratio Lower Upper
165 100
63 1.1 40.6 61.0#
89 1.1 62.3 93.5#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:188 Resp: 444795
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 11.5 9.3 13.9

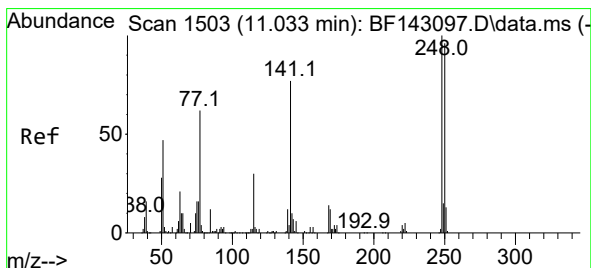
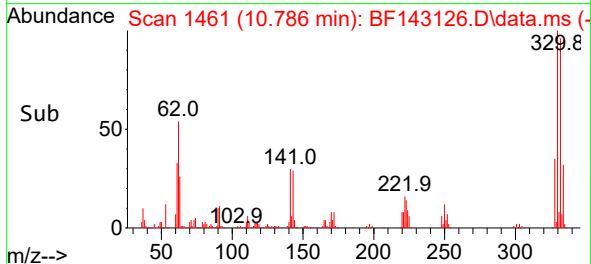
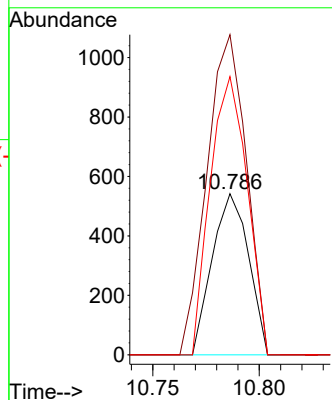
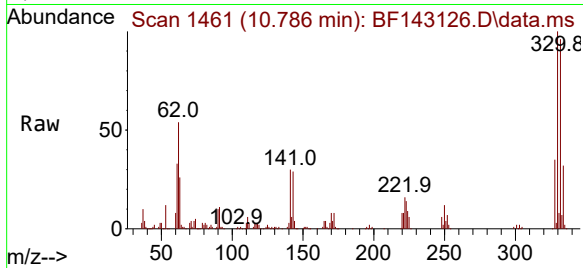




#65
4,6-Dinitro-2-methylphenol
Concen: 5.868 ng
RT: 10.786 min Scan# 1427
Delta R.T. 0.200 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

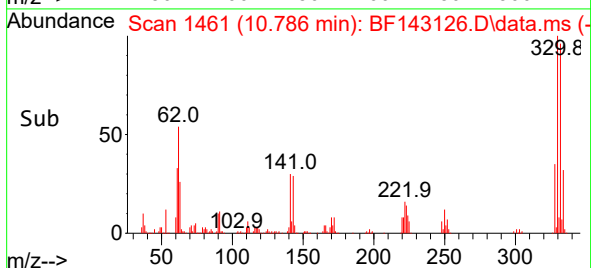
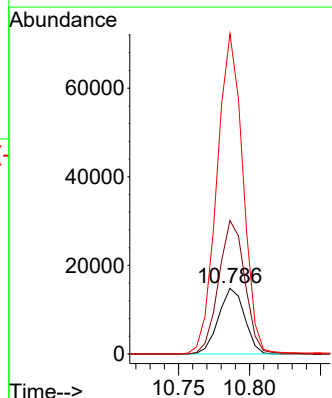
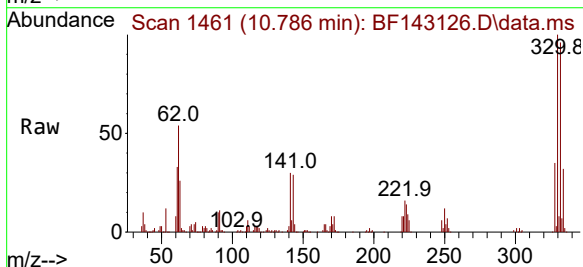
Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

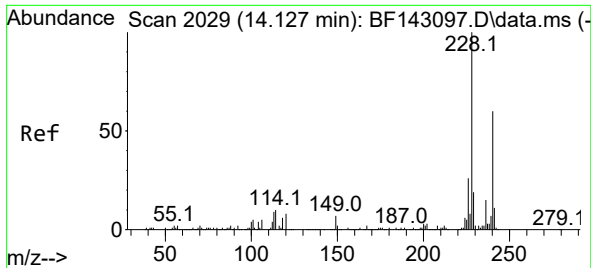
Tgt Ion:198 Resp: 643
Ion Ratio Lower Upper
198 100
51 198.7 44.6 84.6#
105 172.7 29.3 69.3#



#67
4-Bromophenyl-phenylether
Concen: 3.730 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:248 Resp: 18868
Ion Ratio Lower Upper
248 100
250 203.2 76.7 115.1#
141 487.3 61.7 92.5#

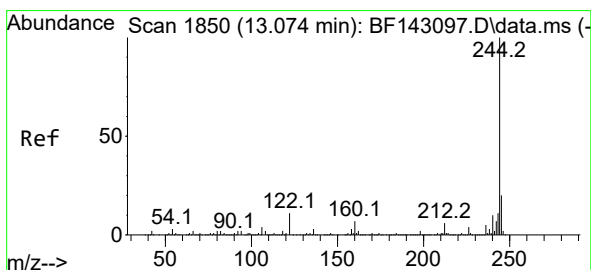
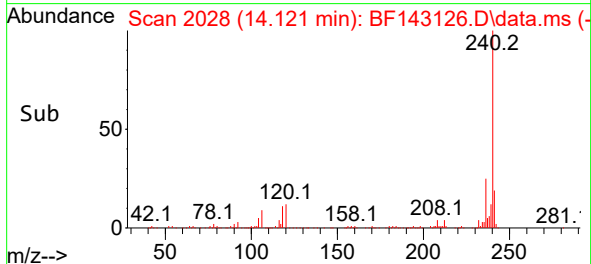
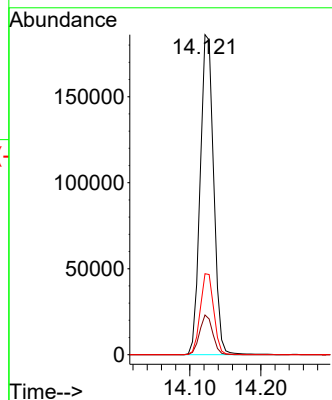
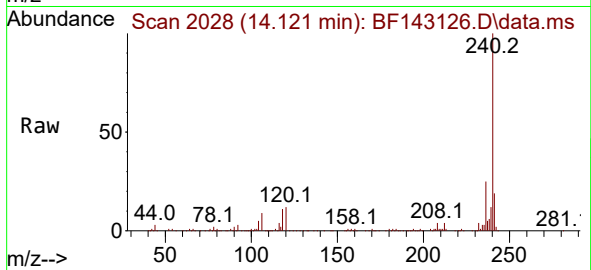




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

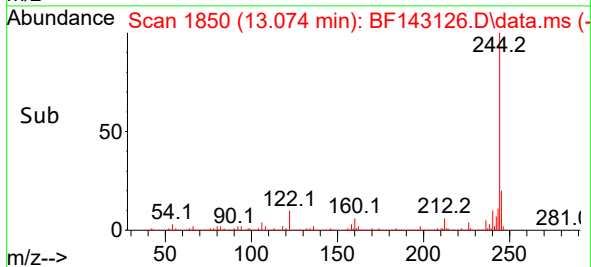
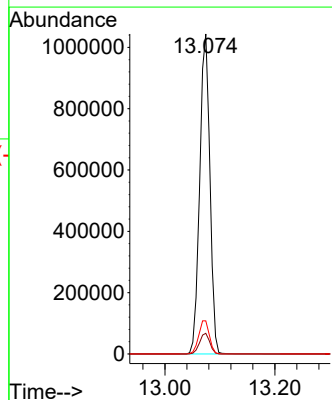
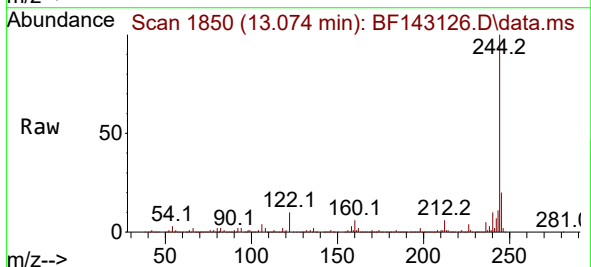
Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

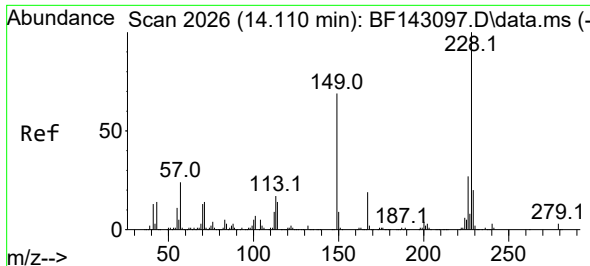
Tgt Ion:240 Resp: 246117
Ion Ratio Lower Upper
240 100
120 12.4 10.0 15.0
236 25.3 20.0 30.0



#79
Terphenyl-d14
Concen: 79.787 ng
RT: 13.074 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:244 Resp: 1343330
Ion Ratio Lower Upper
244 100
212 6.5 5.2 7.8
122 10.3 8.8 13.2

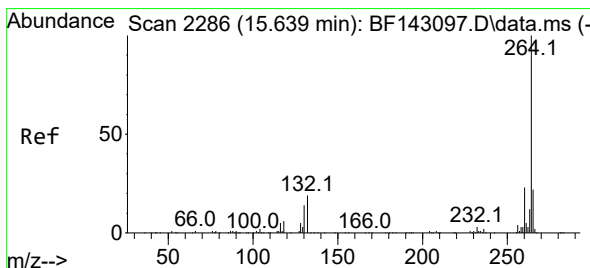
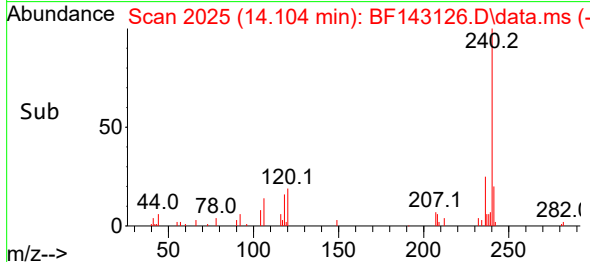
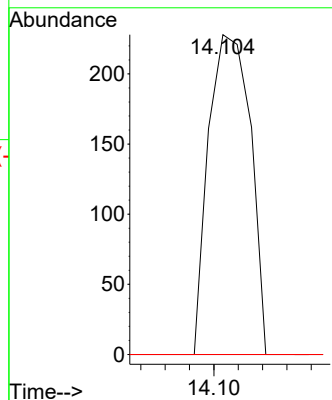
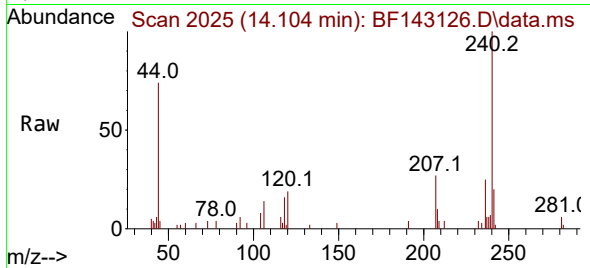




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.448 ng
RT: 14.104 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

Tgt Ion:149 Resp: 273
Ion Ratio Lower Upper
149 100
167 0.0 21.9 32.9#
279 0.0 3.4 5.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:264 Resp: 243269
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.0 17.5 26.3

