

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141864.D
 Acq On : 06 Mar 2025 13:01
 Operator : RC/JU
 Sample : Q1488-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-102-SB02

Quant Time: Mar 06 14:07:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

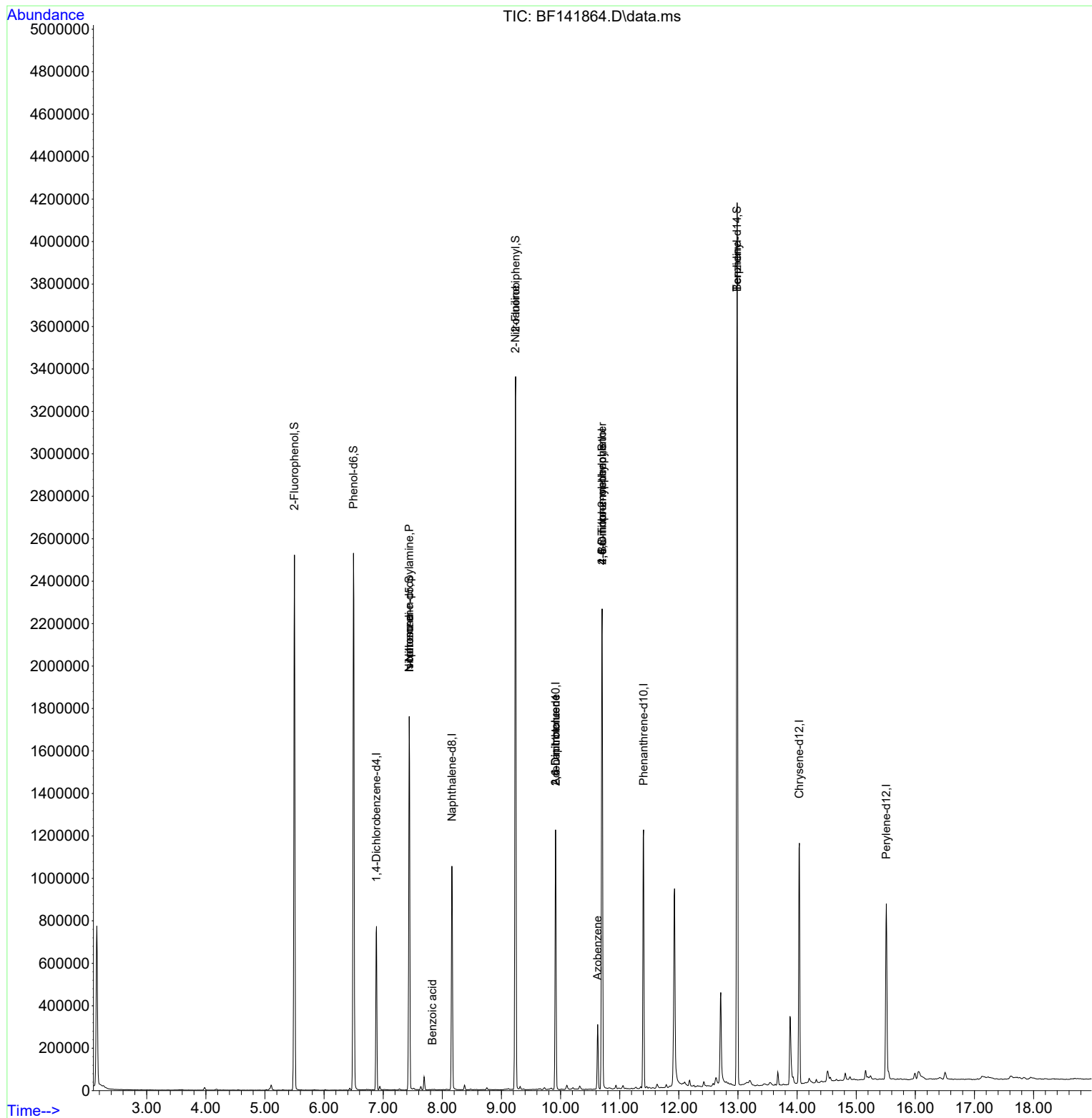
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	163469	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	639781	20.00	ng	-0.01
39) Acenaphthene-d10	9.916	164	350300	20.00	ng	-0.01
64) Phenanthrene-d10	11.404	188	621587	20.00	ng	0.00
76) Chrysene-d12	14.039	240	547828	20.00	ng	-0.01
86) Perylene-d12	15.509	264	479609	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	938894	91.72	ng	0.00
7) Phenol-d6	6.498	99	1205625	90.49	ng	-0.01
23) Nitrobenzene-d5	7.439	82	771678	77.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	386471	117.52	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1491514	68.27	ng	0.00
79) Terphenyl-d14	12.986	244	1977777	58.41	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	106460	12.16	ng	# 77
25) Isophorone	7.439	82	767984	35.72	ng	# 66
32) Benzoic acid	7.834	122	848	7.80	ng	# 75
48) 2-Nitroaniline	9.233	65	2578	4.77	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	44932	12.25	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	44932	11.12	ng	# 20
63) Azobenzene	10.627	77	74110	2.99	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	1055	8.43	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	25736	3.54	ng	# 1
77) Benzidine	12.986	184	27802	4.03	ng	# 90

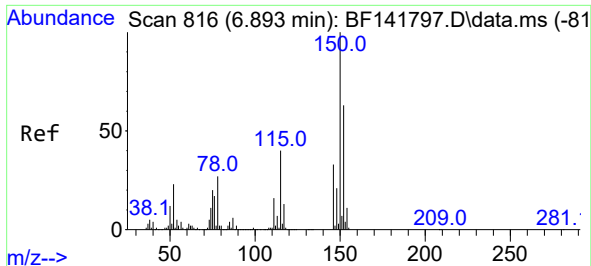
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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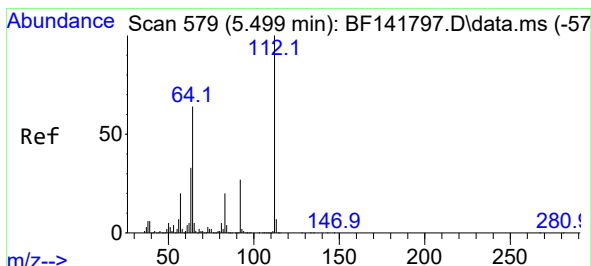
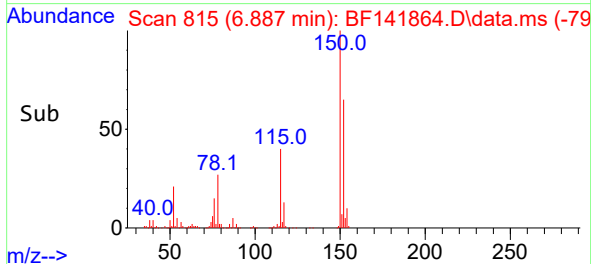
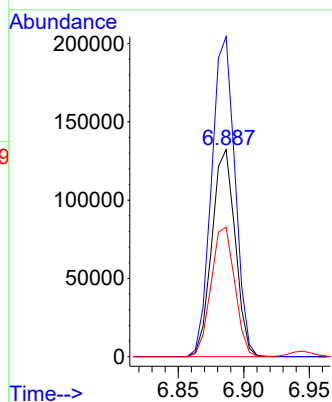
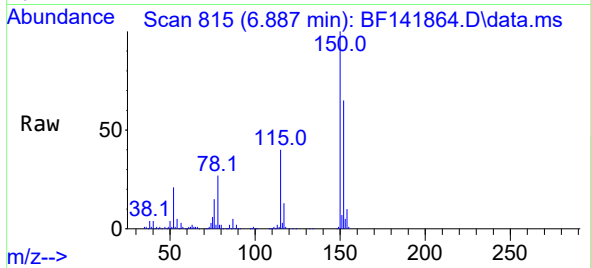




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

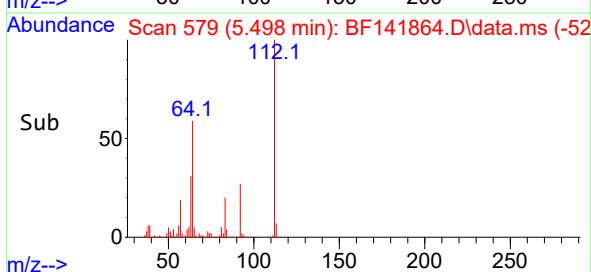
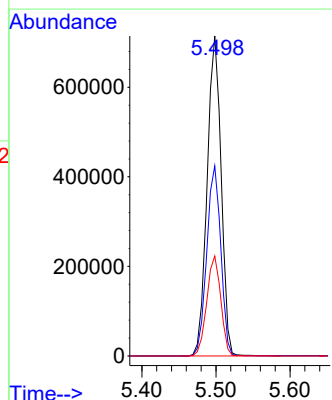
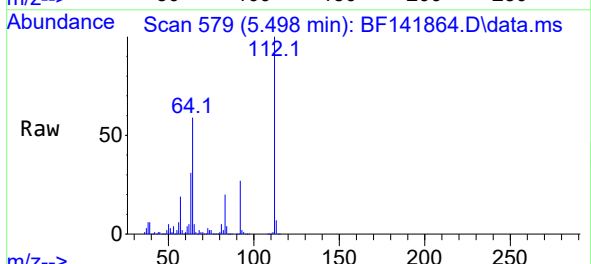
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB02

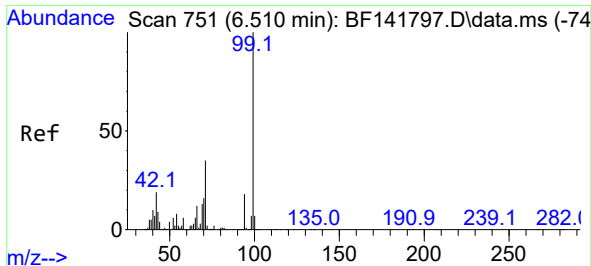
Tgt Ion:152 Resp: 163469
Ion Ratio Lower Upper
152 100
150 154.6 127.5 191.3
115 62.5 51.4 77.2



#5
2-Fluorophenol
Concen: 91.72 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

Tgt Ion:112 Resp: 938894
Ion Ratio Lower Upper
112 100
64 59.4 51.3 76.9
63 31.2 26.2 39.4

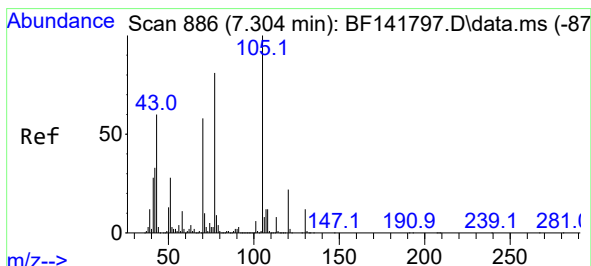
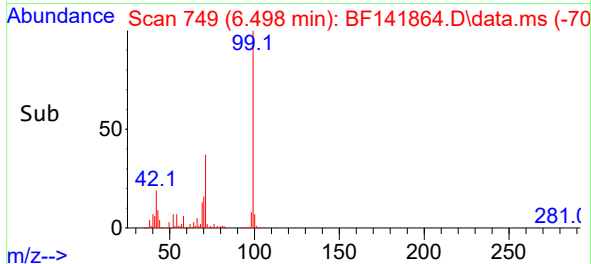
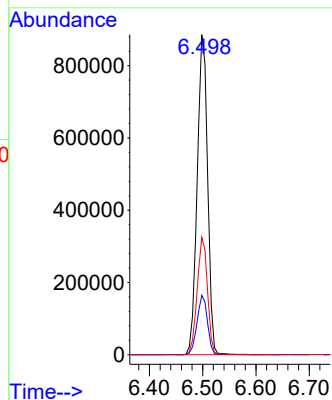
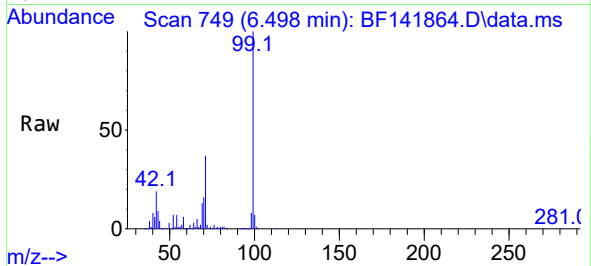




#7
Phenol-d6
Concen: 90.49 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

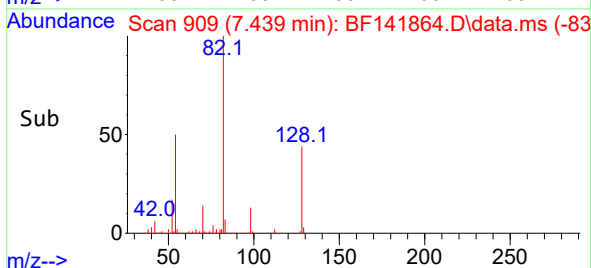
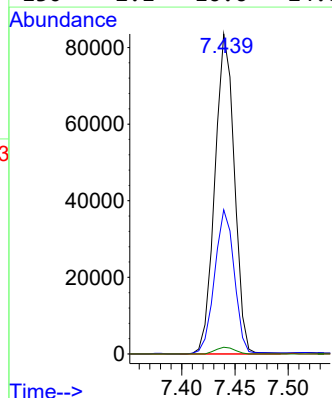
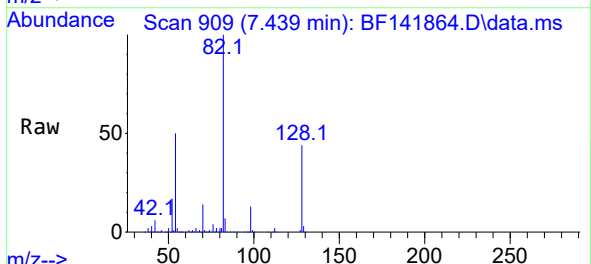
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB02

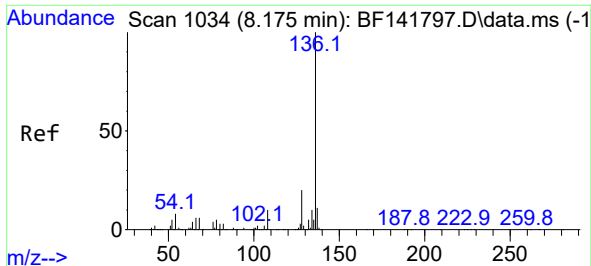
Tgt Ion: 99 Resp: 1205625
Ion Ratio Lower Upper
99 100
42 18.5 15.2 22.8
71 36.6 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.16 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

Tgt Ion: 70 Resp: 106460
Ion Ratio Lower Upper
70 100
42 45.1 45.4 68.0#
101 0.0 7.8 11.8#
130 2.1 16.6 24.8#



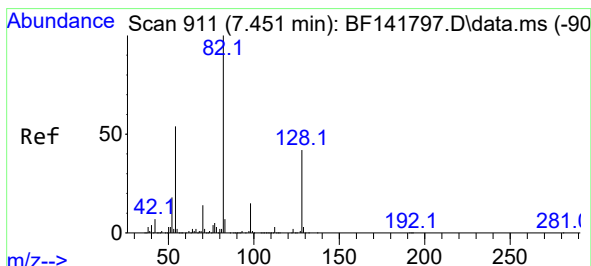
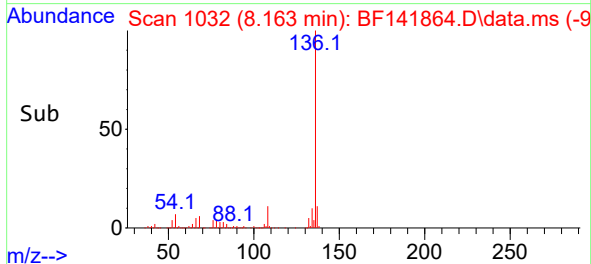
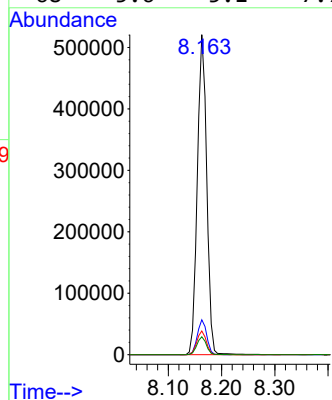
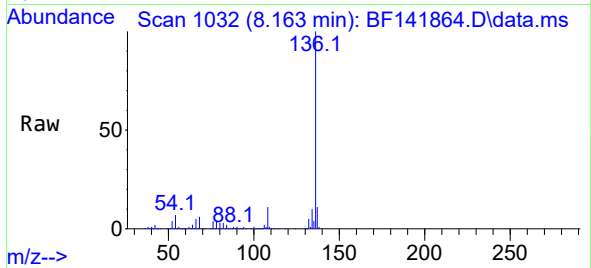


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

Instrument :
BNA_F
ClientSampleId :
ENV-102-SB02

Tgt Ion:136 Resp: 639781

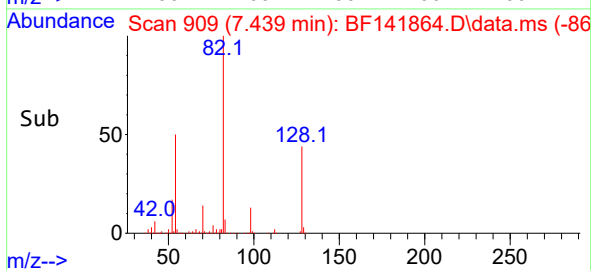
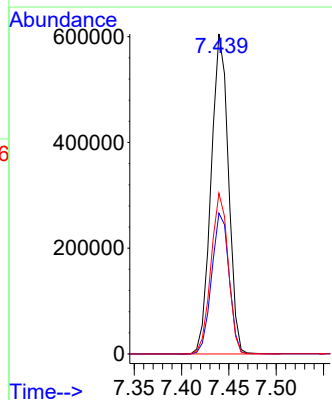
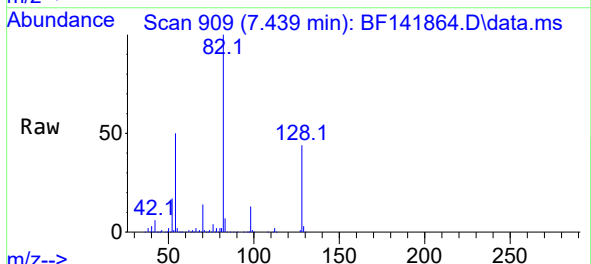
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.4	6.9	10.3
68	5.6	5.1	7.7

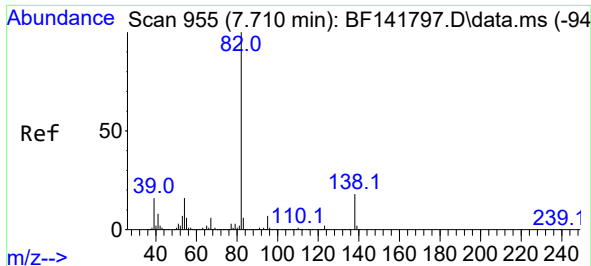


#23
Nitrobenzene-d5
Concen: 77.10 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

Tgt Ion: 82 Resp: 771678

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.5	50.3
54	50.2	42.7	64.1

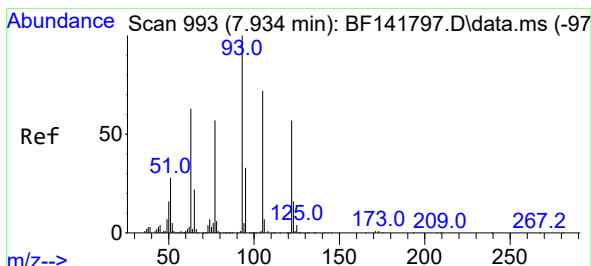
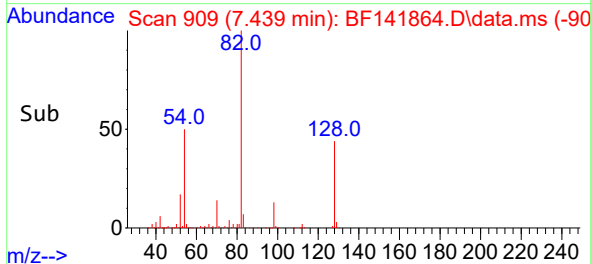
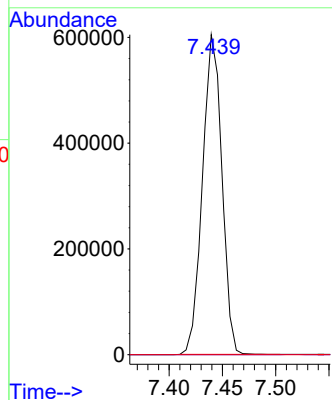
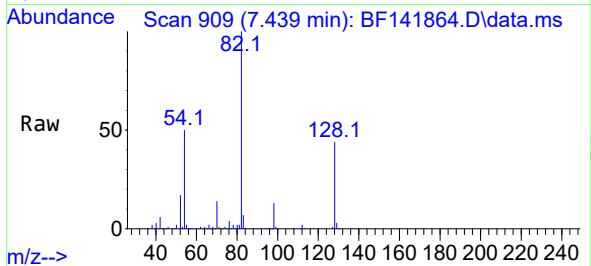




#25
Isophorone
Concen: 35.72 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

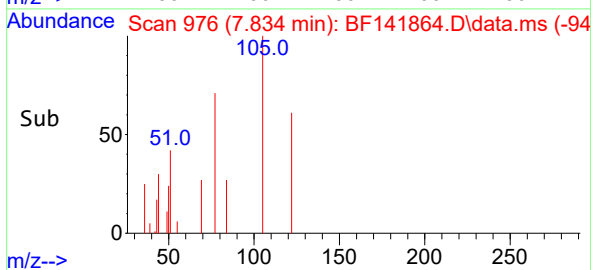
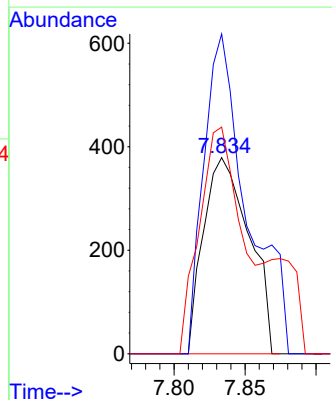
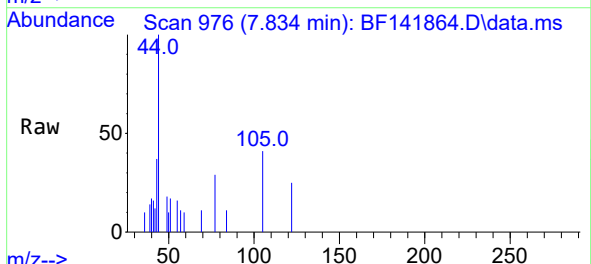
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB02

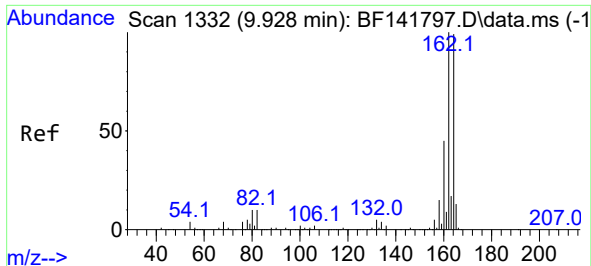
Tgt Ion: 82 Resp: 767984
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.80 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.100 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

Tgt Ion: 122 Resp: 848
Ion Ratio Lower Upper
122 100
105 163.1 105.8 145.8#
77 115.6 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141864.D

Acq: 06 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

ENV-102-SB02

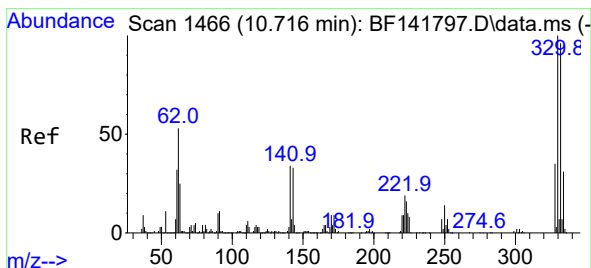
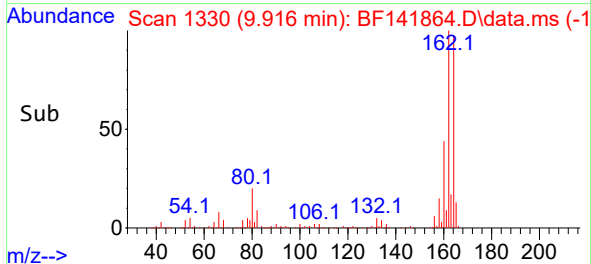
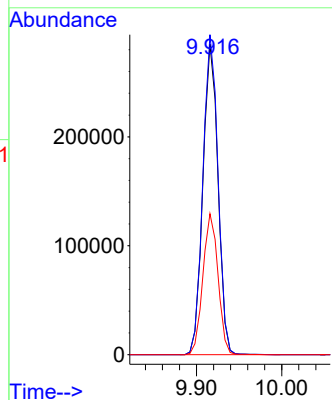
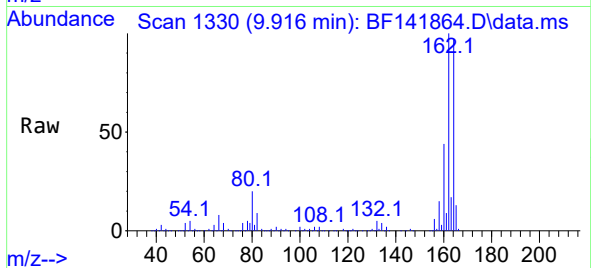
Tgt Ion:164 Resp: 350300

Ion Ratio Lower Upper

164 100

162 103.0 80.6 120.8

160 45.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 117.52 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141864.D

Acq: 06 Mar 2025 13:01

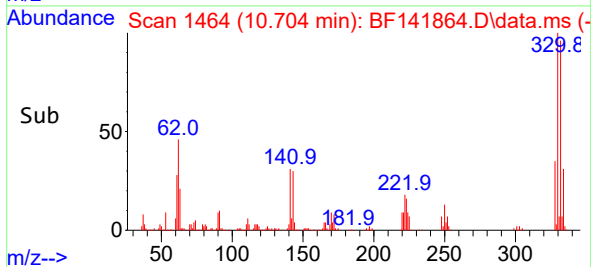
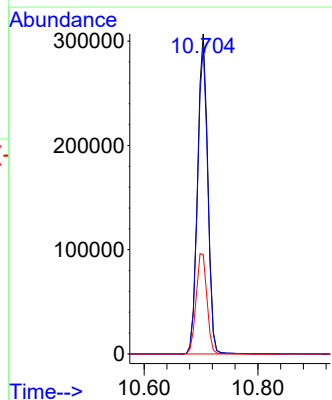
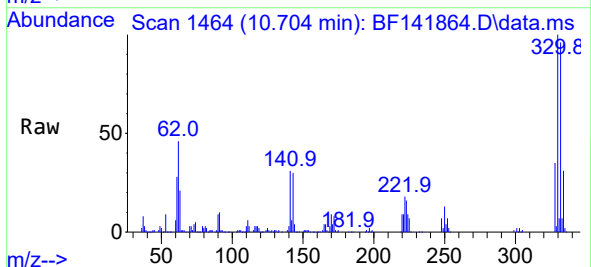
Tgt Ion:330 Resp: 386471

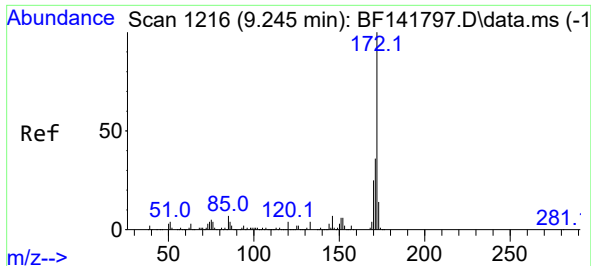
Ion Ratio Lower Upper

330 100

332 96.1 76.6 115.0

141 33.2 29.0 43.4

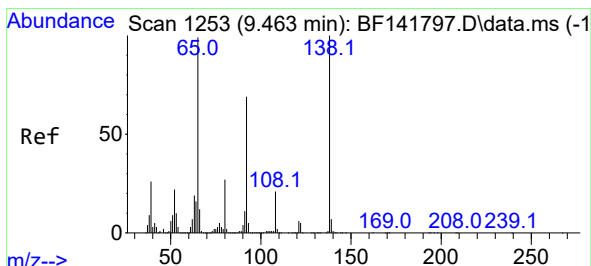
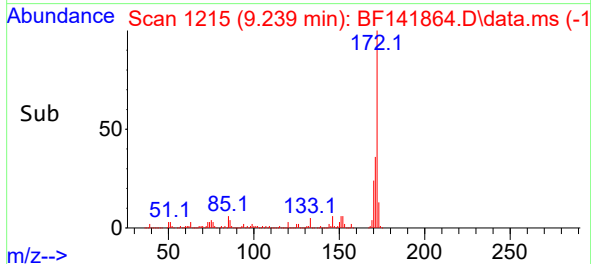
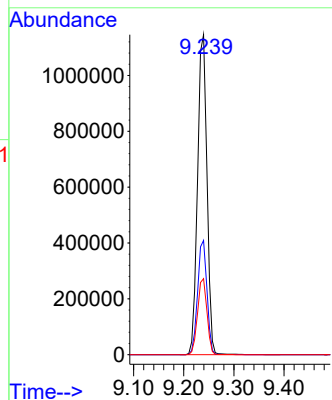
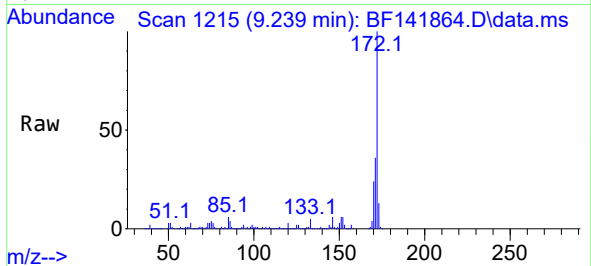




#45
2-Fluorobiphenyl
Concen: 68.27 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

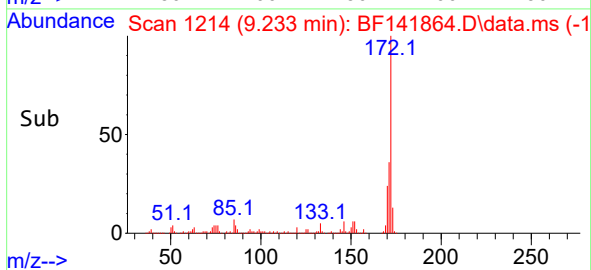
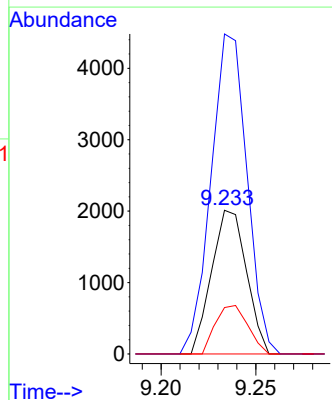
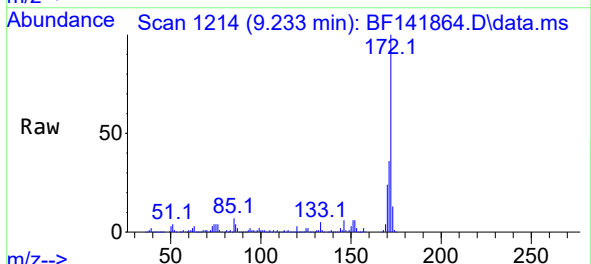
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ENV-102-SB02

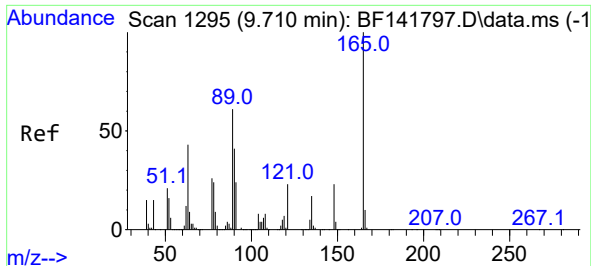
Tgt Ion:172 Resp: 1491514
Ion Ratio Lower Upper
172 100
171 35.7 29.2 43.8
170 23.8 19.7 29.5



#48
2-Nitroaniline
Concen: 4.77 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.230 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

Tgt Ion: 65 Resp: 2578
Ion Ratio Lower Upper
65 100
92 222.7 55.7 83.5#
138 32.4 80.6 121.0#

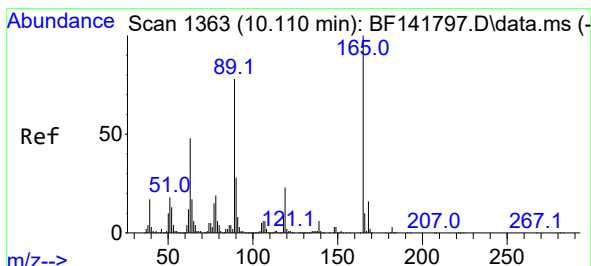
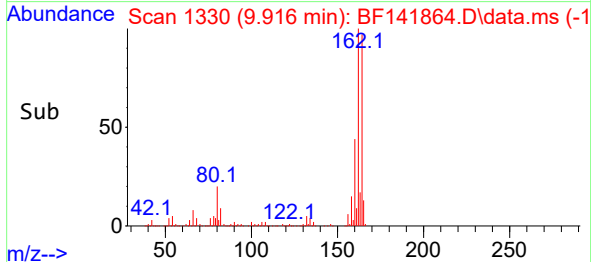
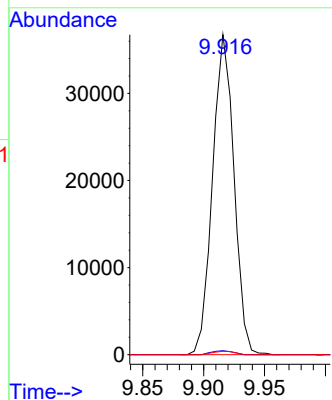
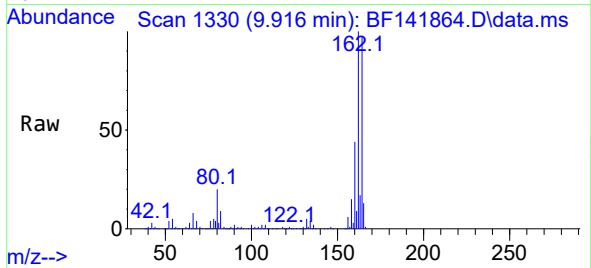




#51
2,6-Dinitrotoluene
Concen: 12.25 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

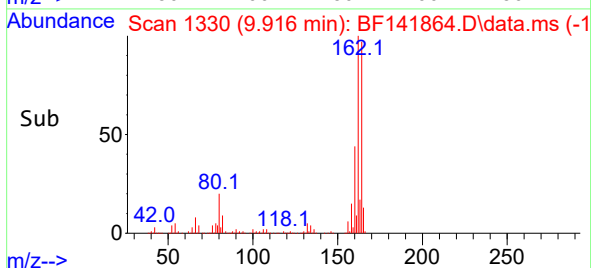
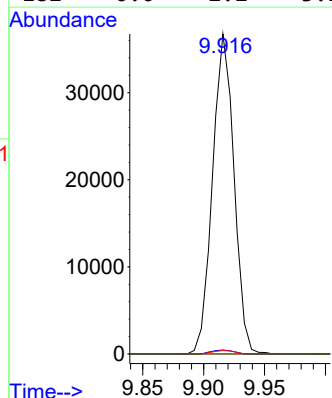
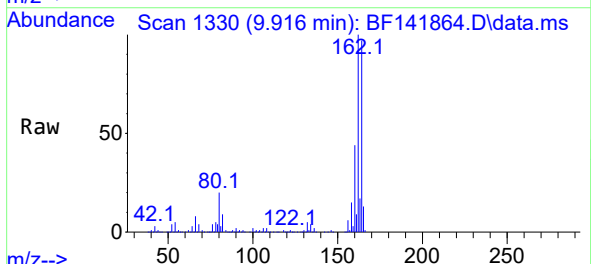
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB02

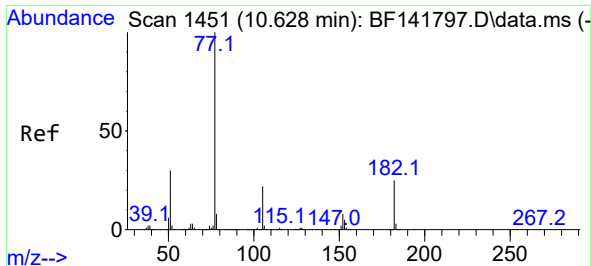
Tgt Ion:165 Resp: 44932
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 1.1 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 11.12 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.194 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

Tgt Ion:165 Resp: 44932
Ion Ratio Lower Upper
165 100
63 1.3 38.8 58.2#
89 1.1 62.6 94.0#
182 0.0 2.2 3.2#

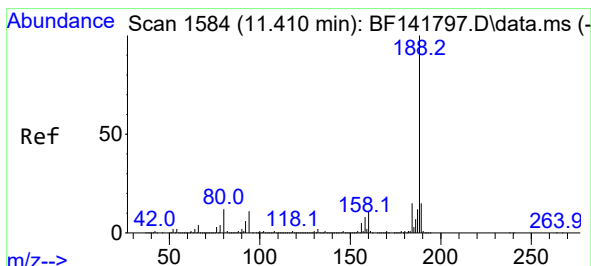
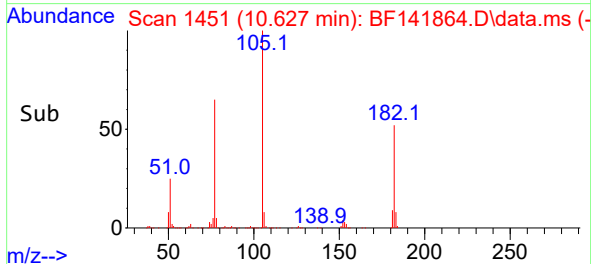
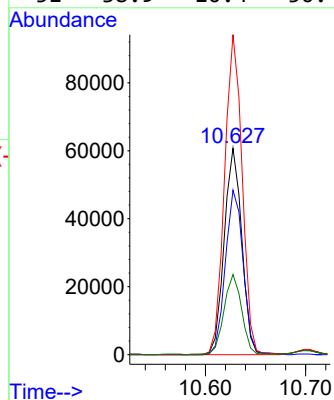
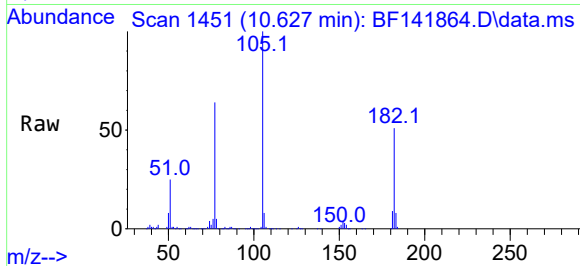




#63
Azobenzene
Concen: 2.99 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

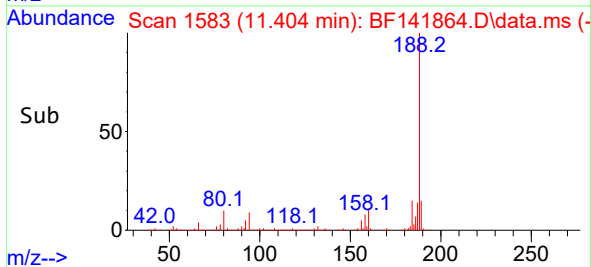
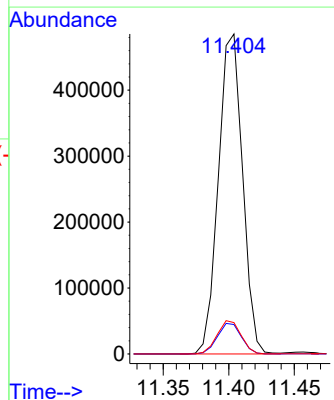
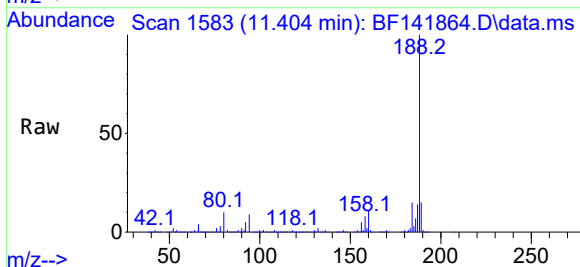
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB02

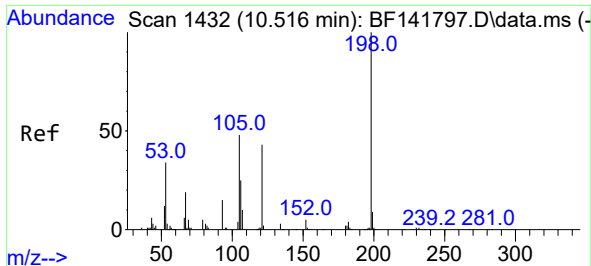
Tgt Ion: 77	Resp: 74110
Ion Ratio	Lower Upper
77 100	
182 79.7	4.2 44.2#
105 155.0	1.5 41.5#
51 38.9	10.4 50.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

Tgt Ion:188	Resp: 621587
Ion Ratio	Lower Upper
188 100	
94 9.2	8.9 13.3
80 9.8	9.7 14.5

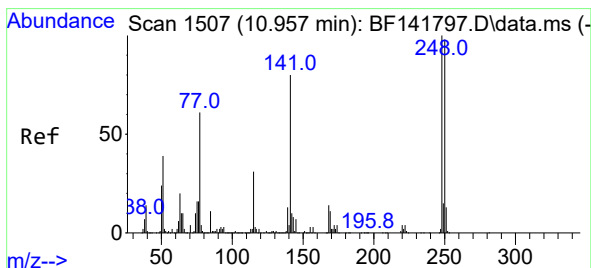
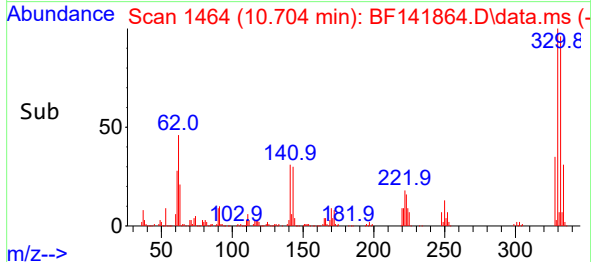
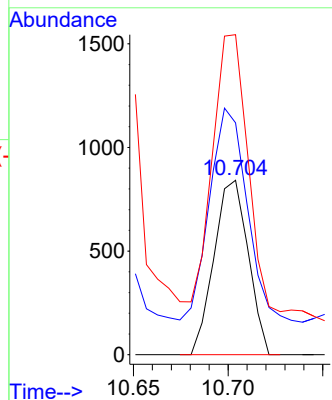
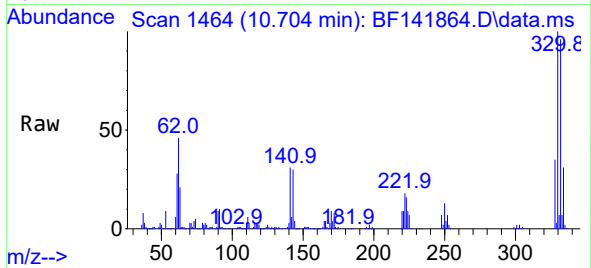




#65
4,6-Dinitro-2-methylphenol
Concen: 8.43 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

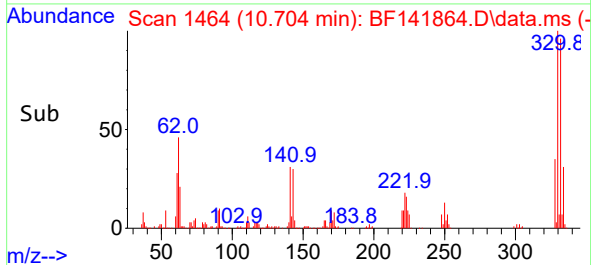
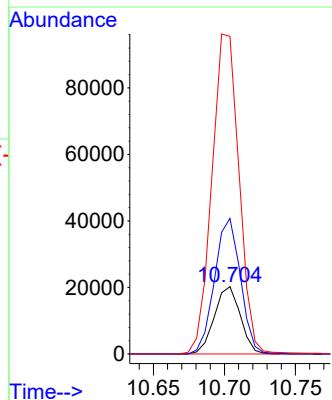
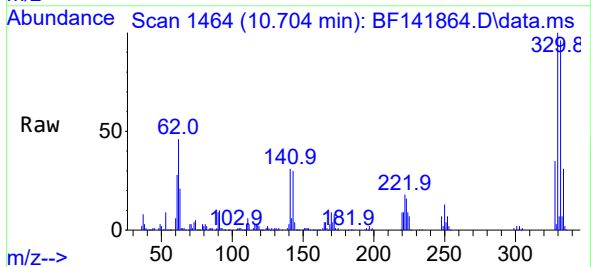
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB02

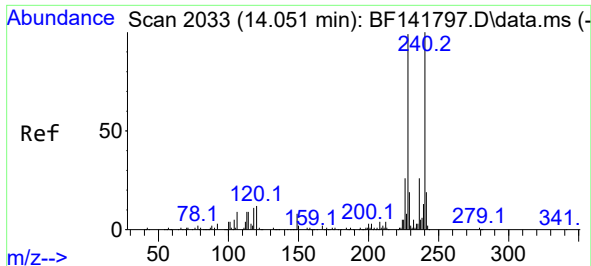
Tgt Ion:198 Resp: 1055
Ion Ratio Lower Upper
198 100
51 132.9 32.1 72.1#
105 183.4 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 3.54 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

Tgt Ion:248 Resp: 25736
Ion Ratio Lower Upper
248 100
250 201.2 78.1 117.1#
141 471.3 64.3 96.5#

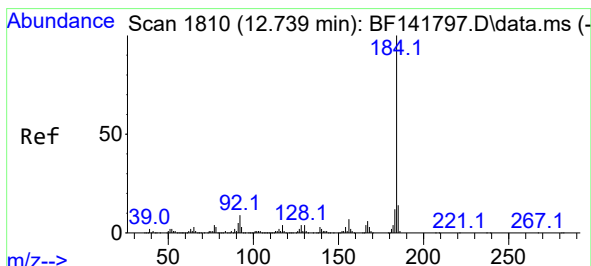
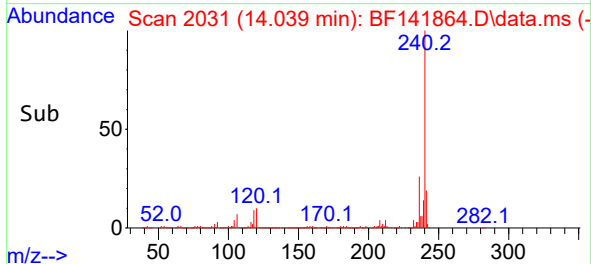
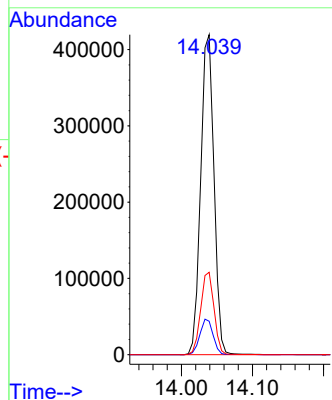
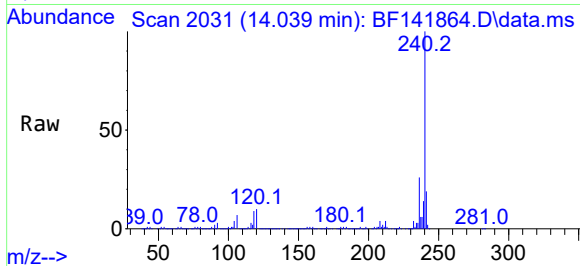




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

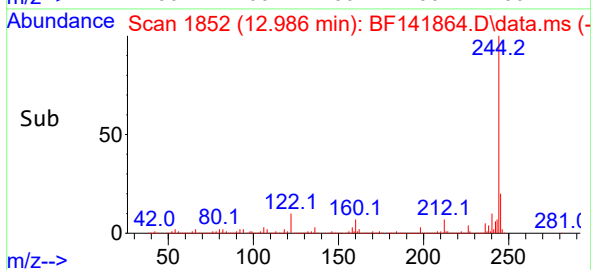
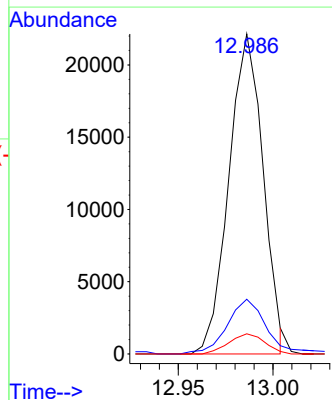
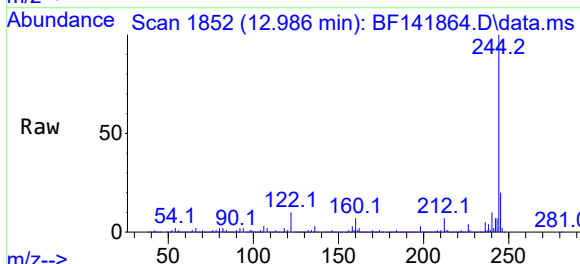
Instrument :
BNA_F
ClientSampleId :
ENV-102-SB02

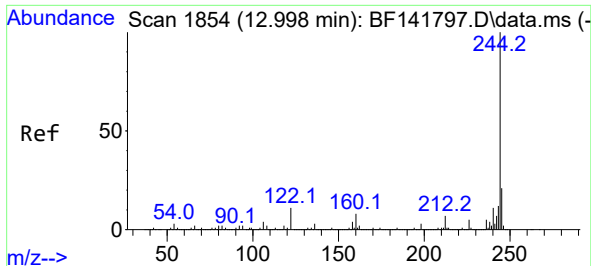
Tgt Ion:240 Resp: 547828
Ion Ratio Lower Upper
240 100
120 10.4 9.7 14.5
236 25.8 21.0 31.4



#77
Benzidine
Concen: 4.03 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.247 min
Lab File: BF141864.D
Acq: 06 Mar 2025 13:01

Tgt Ion:184 Resp: 27802
Ion Ratio Lower Upper
184 100
185 17.1 11.6 17.4
183 6.3 9.4 14.0#

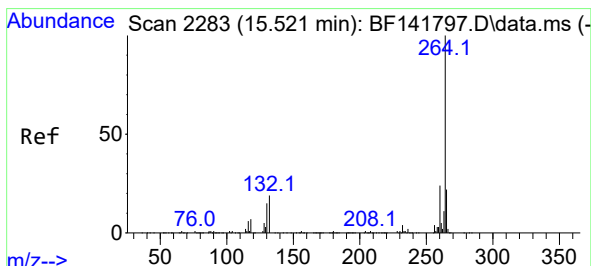
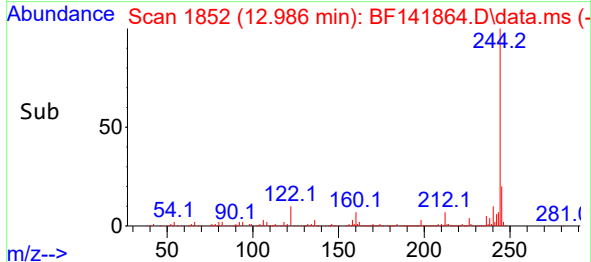
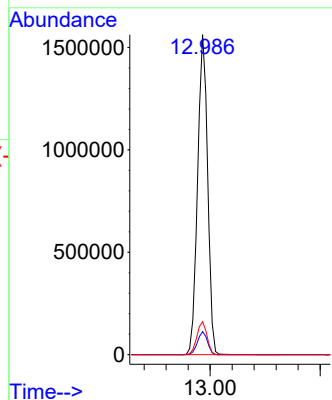
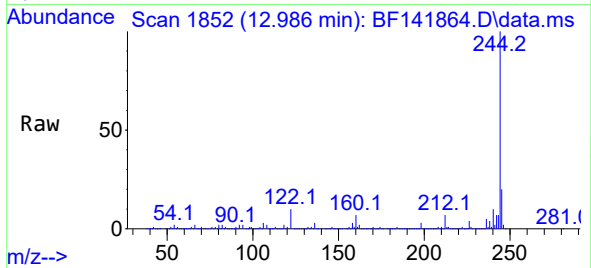




#79
 Terphenyl-d14
 Concen: 58.41 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.012 min
 Lab File: BF141864.D
 Acq: 06 Mar 2025 13:01

Instrument :
 BNA_F
 ClientSampleId :
 ENV-102-SB02

Tgt Ion:244 Resp: 1977777
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 10.3 9.0 13.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.509 min Scan# 2281
 Delta R.T. -0.012 min
 Lab File: BF141864.D
 Acq: 06 Mar 2025 13:01

Tgt Ion:264 Resp: 479609
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 21.8 17.4 26.0

