

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141861.D
 Acq On : 06 Mar 2025 11:21 am
 Operator : RC/JU
 Sample : PB166982BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166982BL

Quant Time: Mar 06 11:43:40 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)

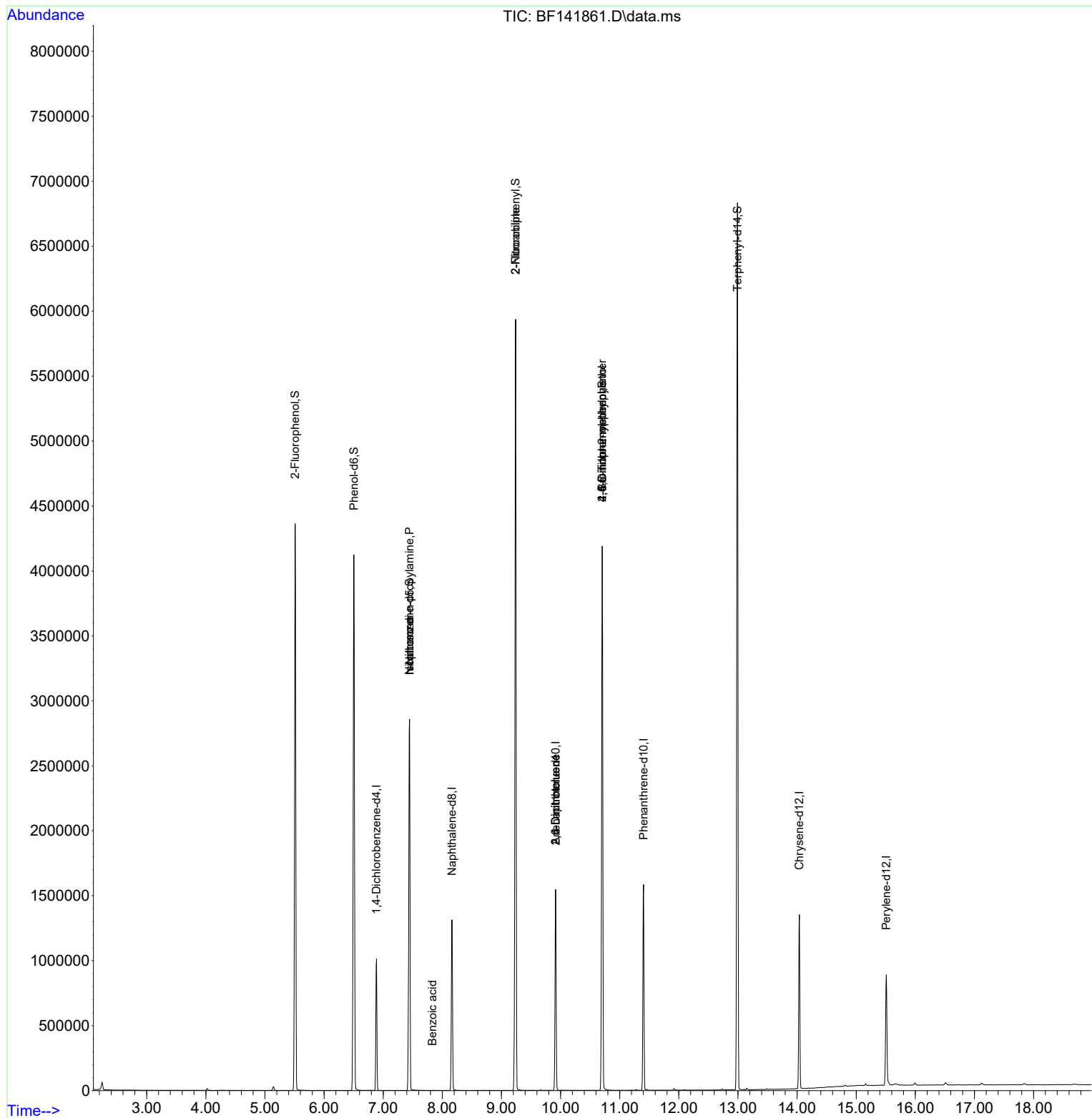
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	212037	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	840031	20.00	ng	-0.01
39) Acenaphthene-d10	9.916	164	466101	20.00	ng	-0.01
64) Phenanthrene-d10	11.404	188	808511	20.00	ng	0.00
76) Chrysene-d12	14.039	240	646602	20.00	ng	-0.01
86) Perylene-d12	15.510	264	495069	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1727468	130.11	ng	0.01
7) Phenol-d6	6.504	99	2126999	123.08	ng	0.00
23) Nitrobenzene-d5	7.445	82	1428020	108.66	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	752761	172.03	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2730516	93.93	ng	0.00
79) Terphenyl-d14	12.992	244	3482297	87.13	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	200737	17.67	ng	# 77
25) Isophorone	7.445	82	1421396	50.34	ng	# 66
32) Benzoic acid	7.834	122	115	7.70	ng	# 86
48) 2-Nitroaniline	9.239	65	4804	4.95	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	61230	12.48	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	61230	11.30	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.704	198	2026	8.57	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	49654	5.26	ng	# 1

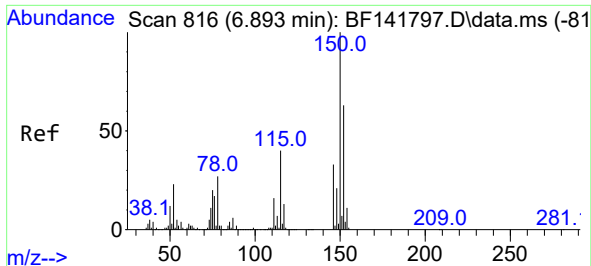
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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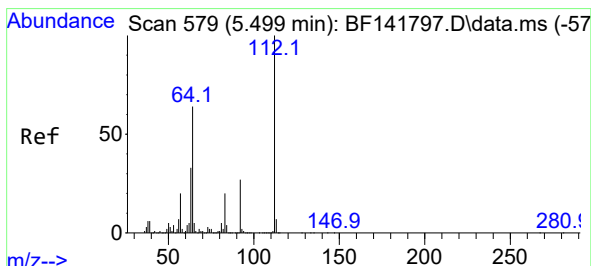
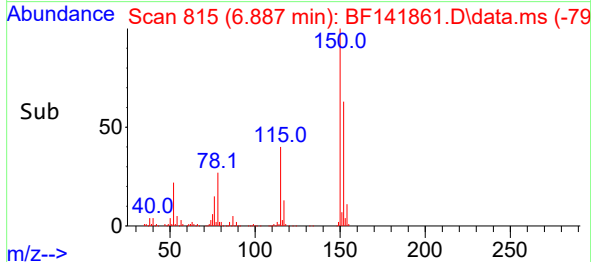
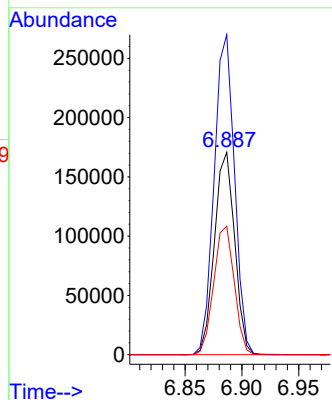
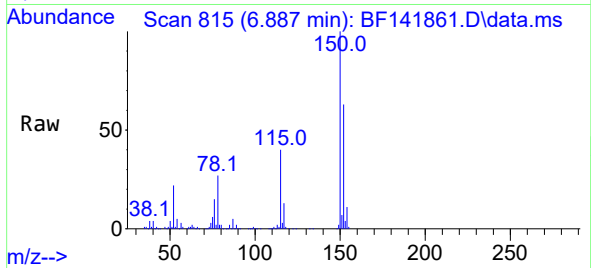




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

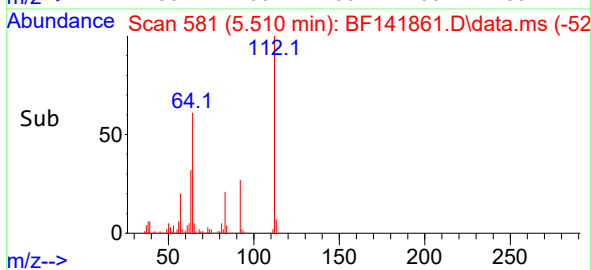
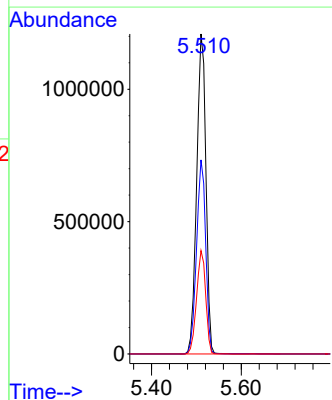
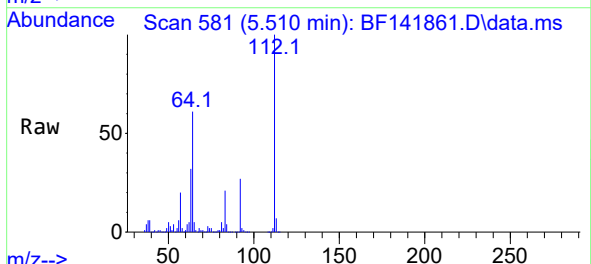
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BNA_F
ClientSampleId :
PB166982BL

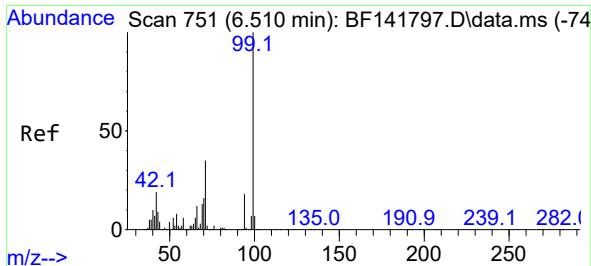
Tgt Ion:152 Resp: 212037
Ion Ratio Lower Upper
152 100
150 158.0 127.5 191.3
115 63.4 51.4 77.2



#5
2-Fluorophenol
Concen: 130.11 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21 am

Tgt Ion:112 Resp: 1727468
Ion Ratio Lower Upper
112 100
64 60.7 51.3 76.9
63 32.3 26.2 39.4

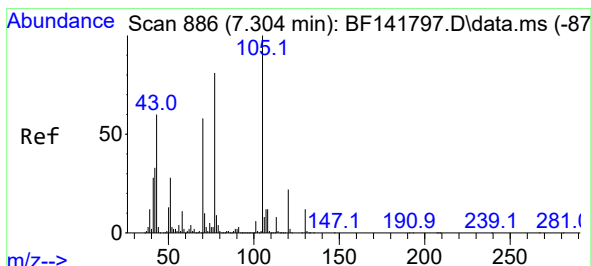
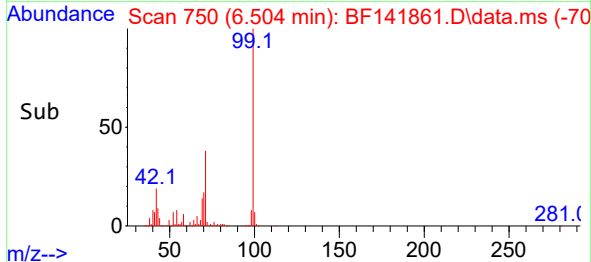
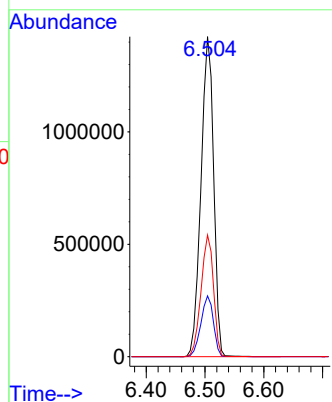
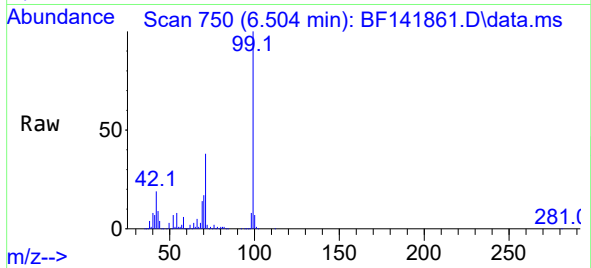




#7
Phenol-d6
Concen: 123.08 ng
RT: 6.504 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

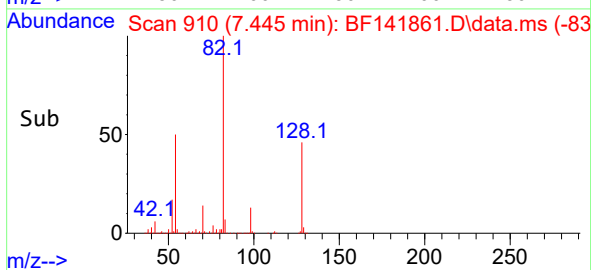
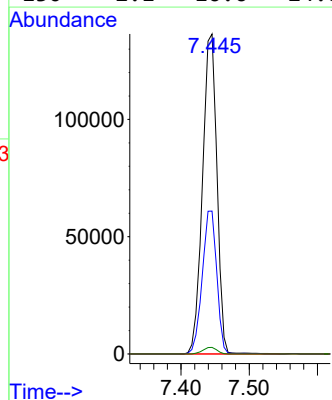
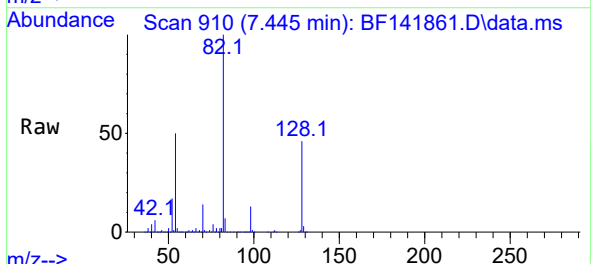
Instrument :
BNA_F
ClientSampleId :
PB166982BL

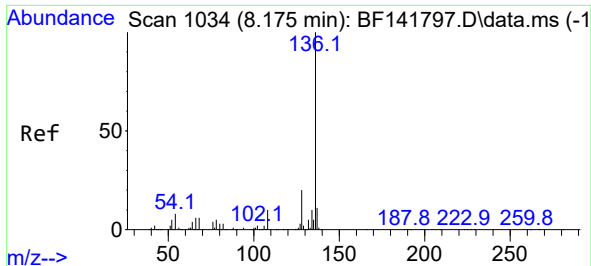
Tgt Ion: 99 Resp: 2126999
Ion Ratio Lower Upper
99 100
42 19.0 15.2 22.8
71 38.0 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.67 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21 am

Tgt Ion: 70 Resp: 200737
Ion Ratio Lower Upper
70 100
42 44.7 45.4 68.0#
101 0.0 7.8 11.8#
130 2.1 16.6 24.8#



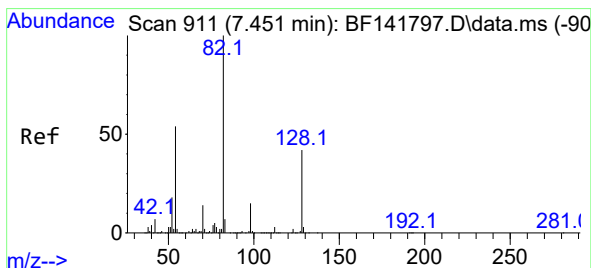
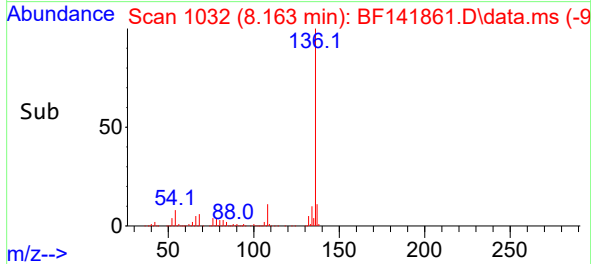
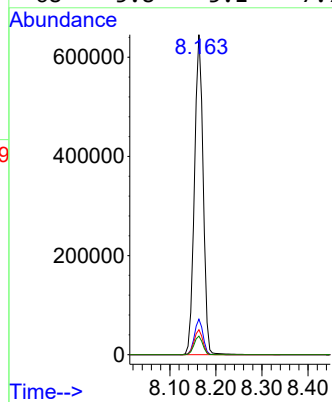
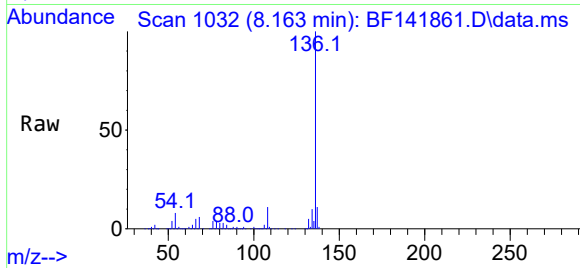


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

Instrument :
BNA_F
ClientSampleId :
PB166982BL

Tgt Ion:136 Resp: 840031

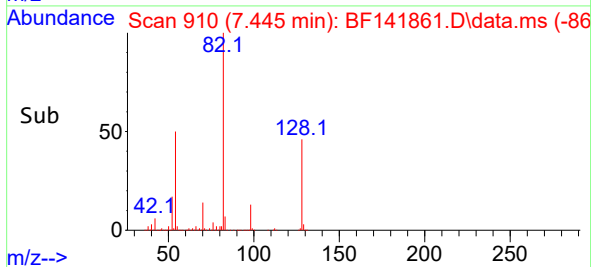
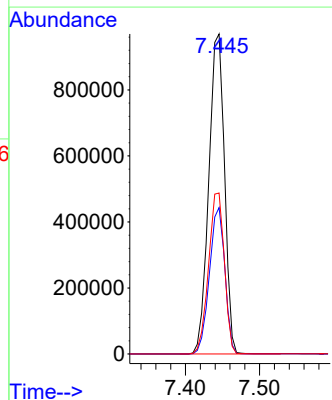
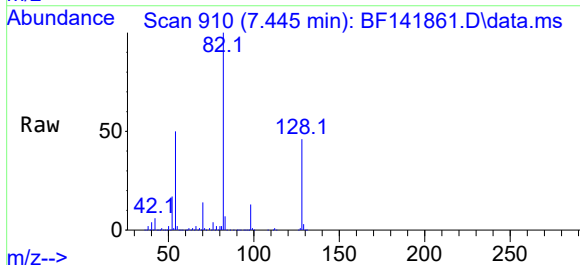
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.8	6.9	10.3
68	5.8	5.1	7.7

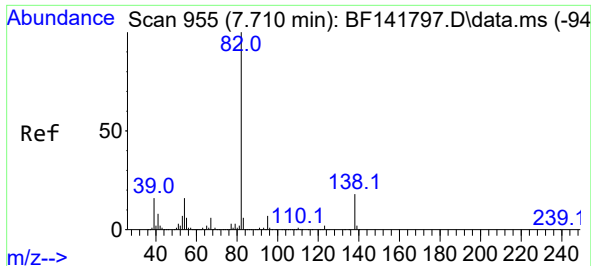


#23
Nitrobenzene-d5
Concen: 108.66 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21 am

Tgt Ion: 82 Resp: 1428020

Ion	Ratio	Lower	Upper
82	100		
128	45.8	33.5	50.3
54	50.3	42.7	64.1

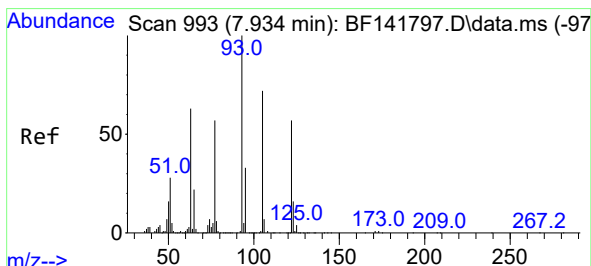
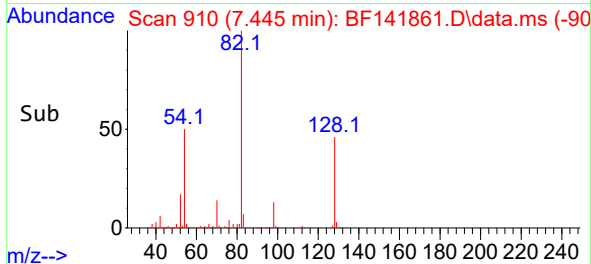
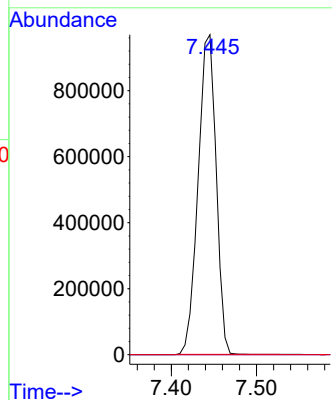
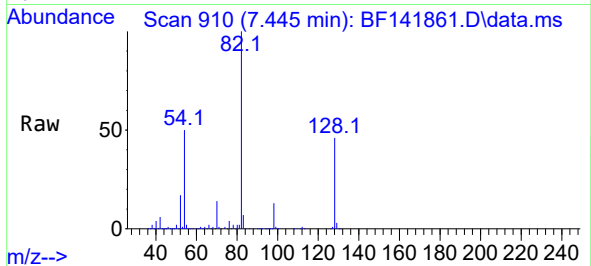




#25
Isophorone
Concen: 50.34 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

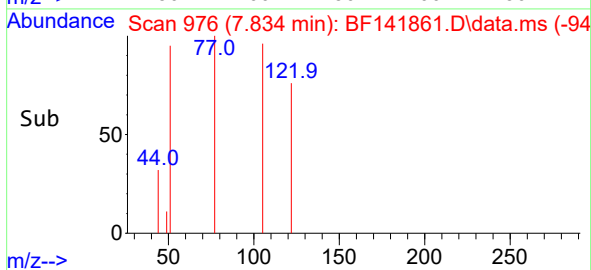
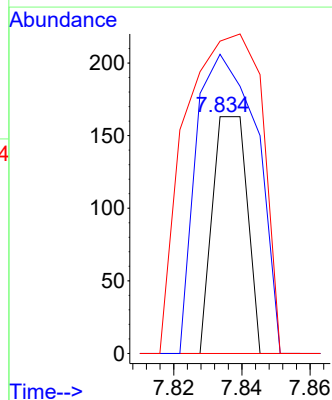
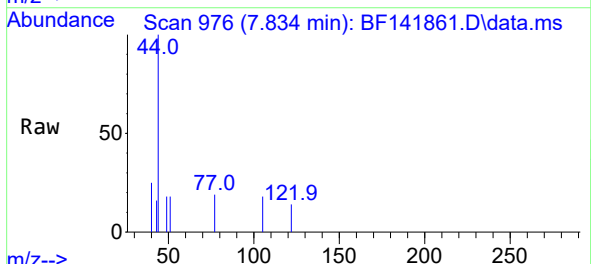
Instrument :
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ClientSampleId :
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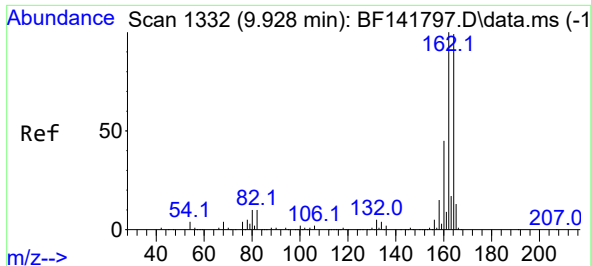
Tgt Ion: 82 Resp: 1421396
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.70 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.100 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21 am

Tgt Ion: 122 Resp: 115
Ion Ratio Lower Upper
122 100
105 126.4 105.8 145.8
77 131.9 79.9 119.9#

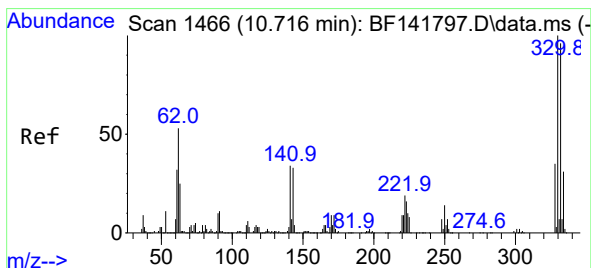
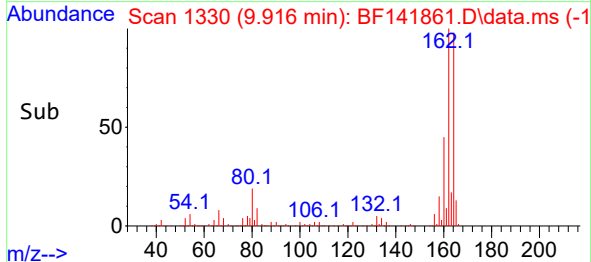
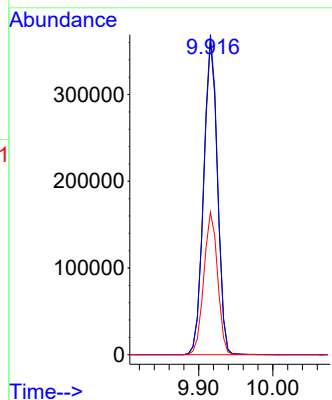
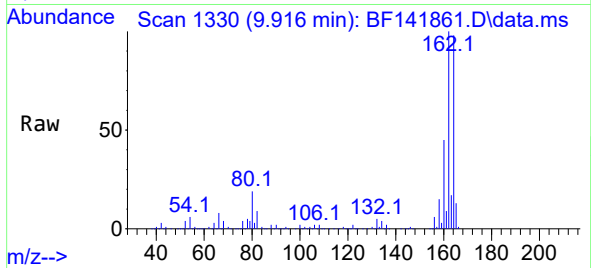




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

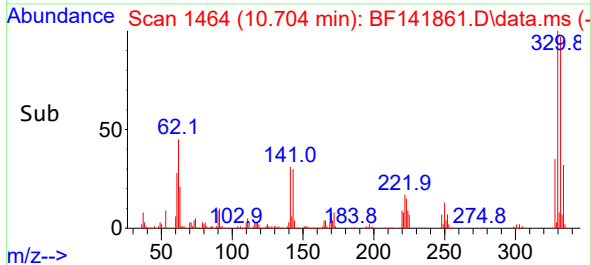
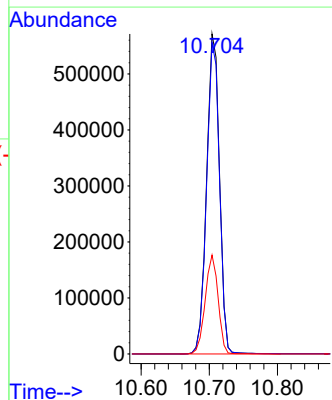
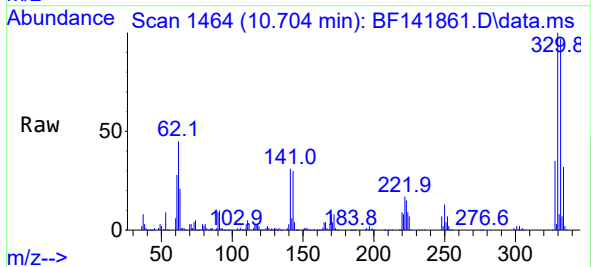
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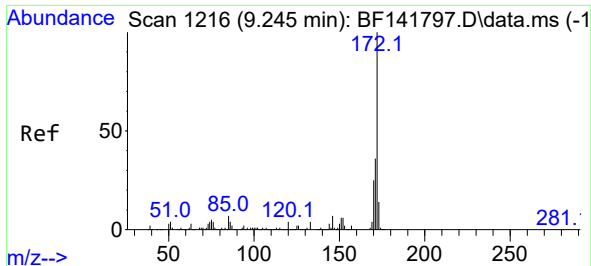
Tgt Ion:164 Resp: 466101
Ion Ratio Lower Upper
164 100
162 101.9 80.6 120.8
160 45.4 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 172.03 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21 am

Tgt Ion:330 Resp: 752761
Ion Ratio Lower Upper
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332 97.4 76.6 115.0
141 31.0 29.0 43.4

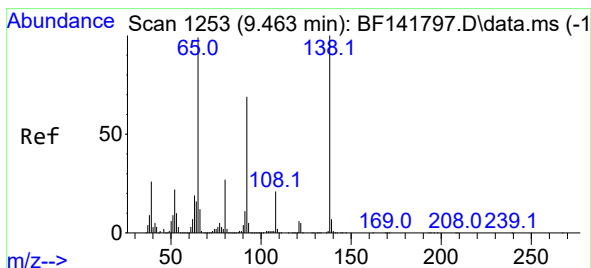
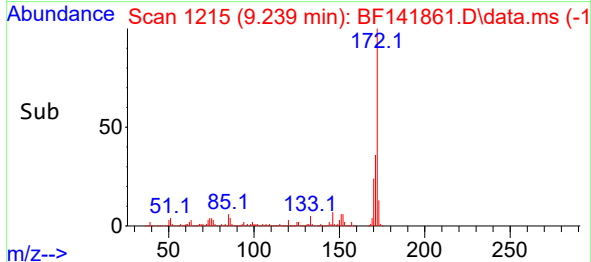
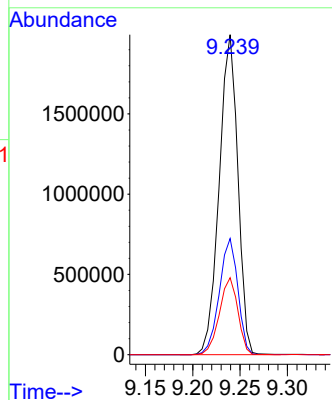
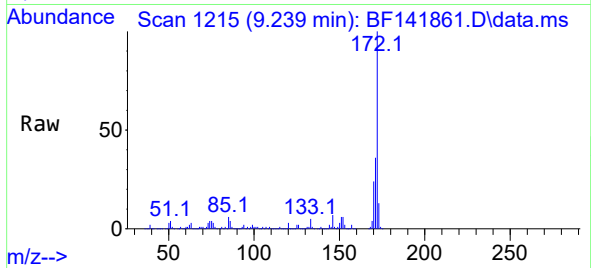




#45
2-Fluorobiphenyl
Concen: 93.93 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

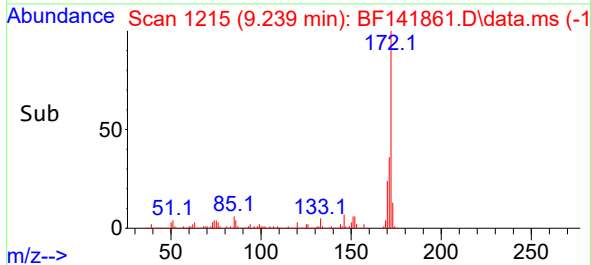
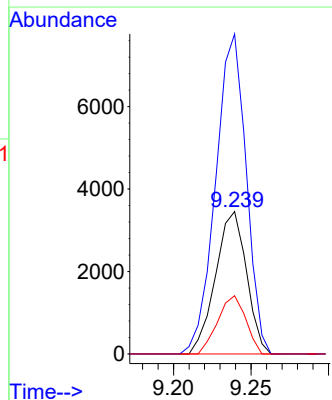
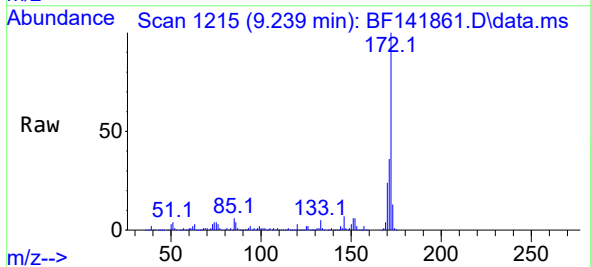
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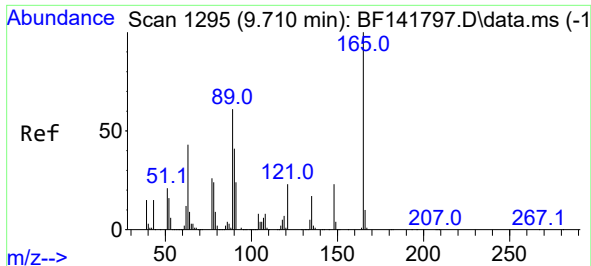
Tgt Ion:172 Resp: 2730516
Ion Ratio Lower Upper
172 100
171 36.3 29.2 43.8
170 24.1 19.7 29.5



#48
2-Nitroaniline
Concen: 4.95 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.224 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21 am

Tgt Ion: 65 Resp: 4804
Ion Ratio Lower Upper
65 100
92 224.7 55.7 83.5#
138 40.9 80.6 121.0#

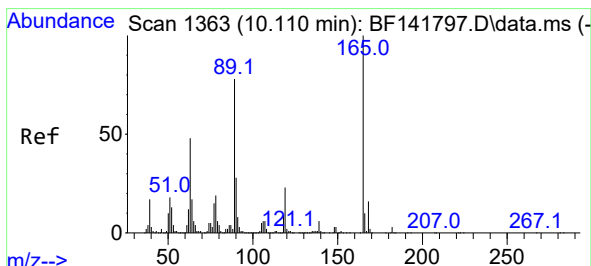
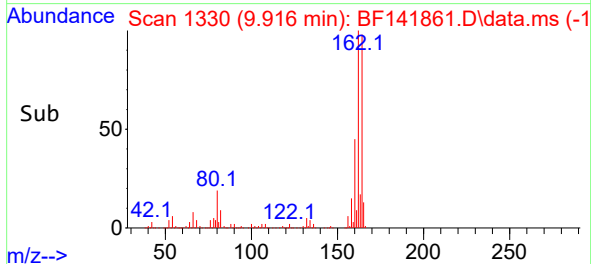
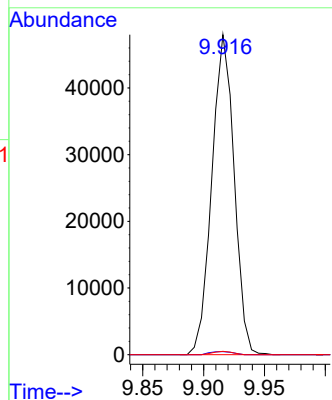
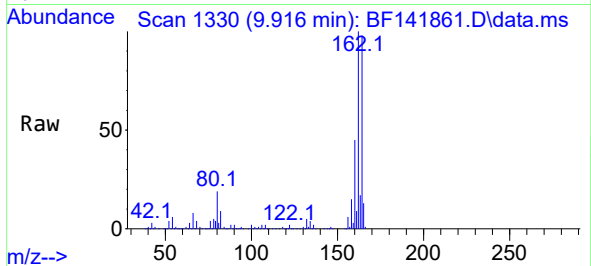




#51
 2,6-Dinitrotoluene
 Concen: 12.48 ng
 RT: 9.916 min Scan# 1330
 Delta R.T. 0.206 min
 Lab File: BF141861.D
 Acq: 06 Mar 2025 11:21

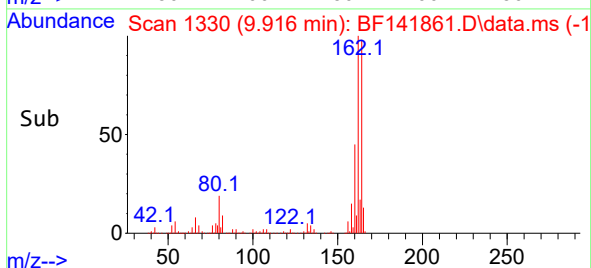
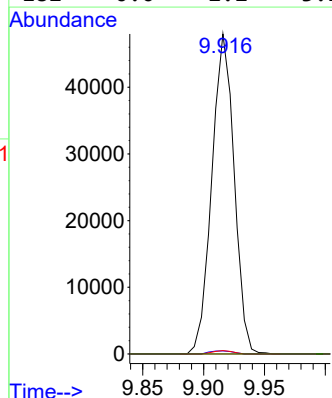
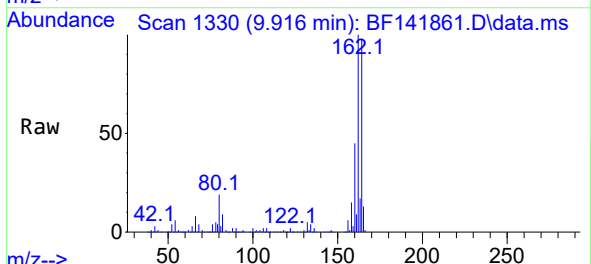
Instrument :
 BNA_F
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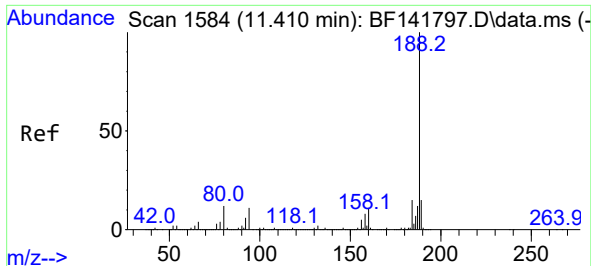
Tgt Ion:165 Resp: 61230
 Ion Ratio Lower Upper
 165 100
 63 1.0 49.5 74.3#
 89 1.1 49.0 73.4#



#57
 2,4-Dinitrotoluene
 Concen: 11.30 ng
 RT: 9.916 min Scan# 1330
 Delta R.T. -0.194 min
 Lab File: BF141861.D
 Acq: 06 Mar 2025 11:21 am

Tgt Ion:165 Resp: 61230
 Ion Ratio Lower Upper
 165 100
 63 1.0 38.8 58.2#
 89 1.1 62.6 94.0#
 182 0.0 2.2 3.2#

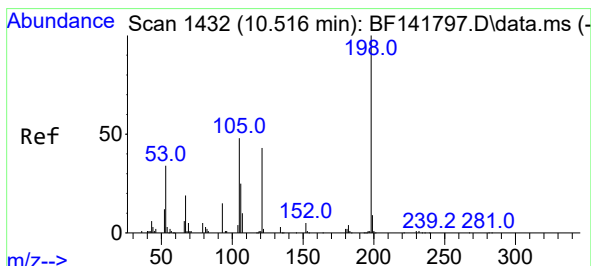
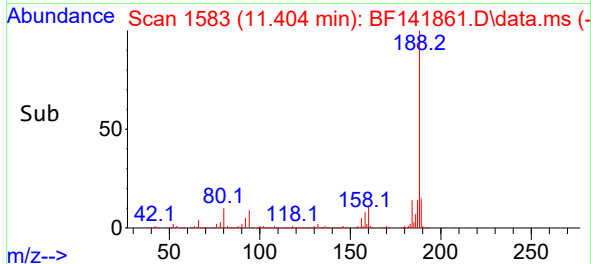
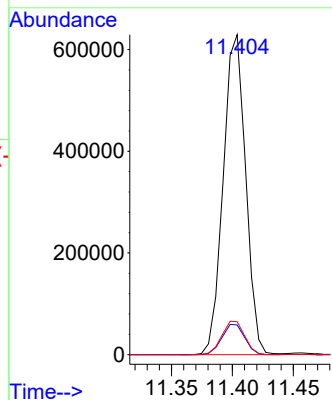
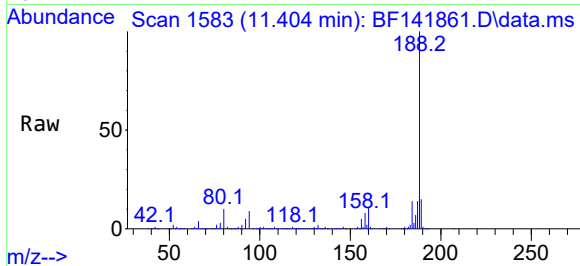




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

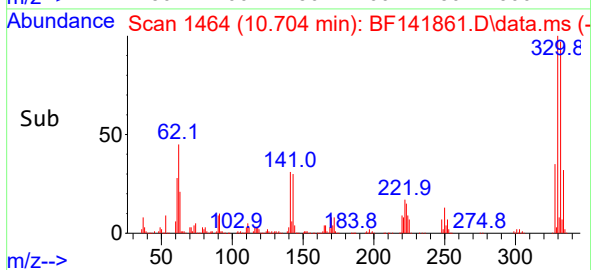
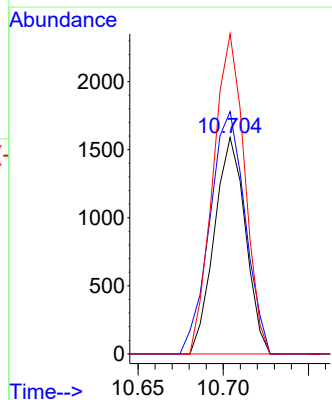
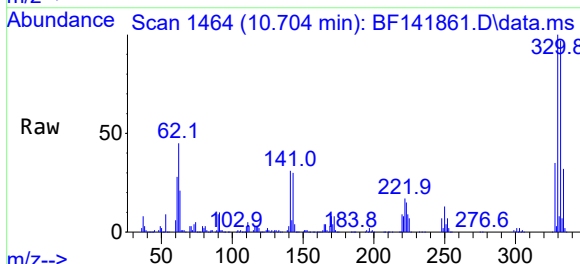
Instrument :
BNA_F
ClientSampleId :
PB166982BL

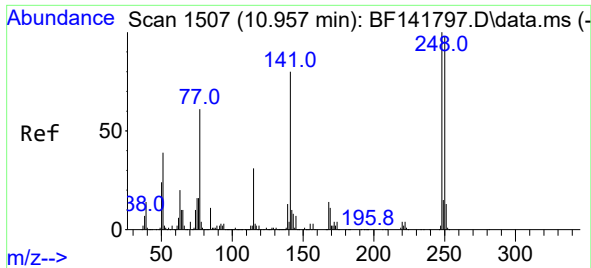
Tgt Ion:188 Resp: 808511
Ion Ratio Lower Upper
188 100
94 9.3 8.9 13.3
80 10.3 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.57 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21 am

Tgt Ion:198 Resp: 2026
Ion Ratio Lower Upper
198 100
51 111.9 32.1 72.1#
105 147.8 28.5 68.5#

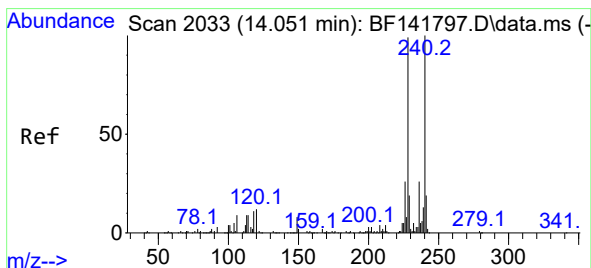
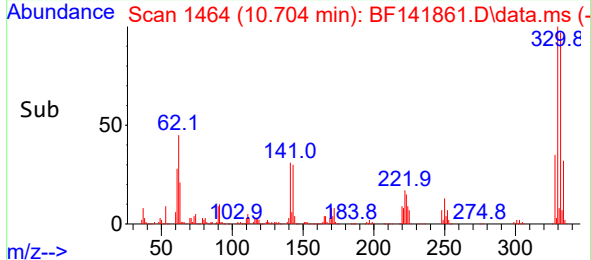
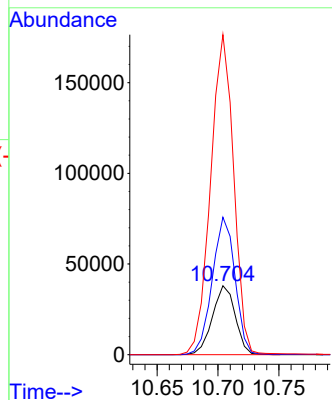
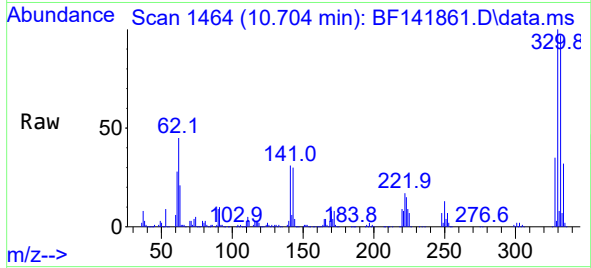




#67
4-Bromophenyl-phenylether
Concen: 5.26 ng
RT: 10.704 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21

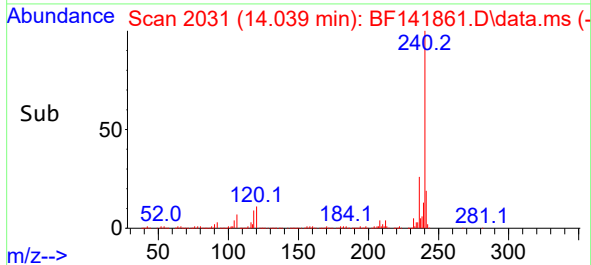
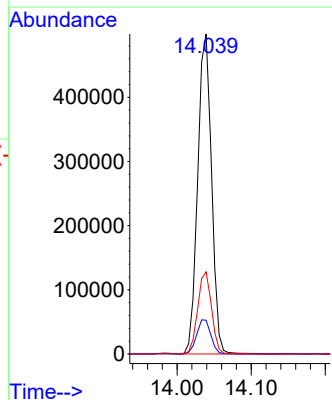
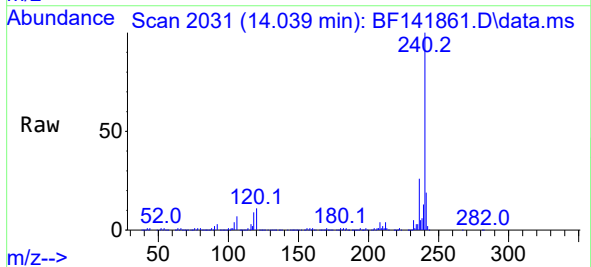
Instrument :
BNA_F
ClientSampleId :
PB166982BL

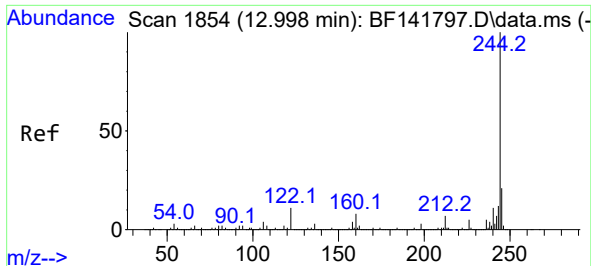
Tgt Ion:248 Resp: 49654
Ion Ratio Lower Upper
248 100
250 199.1 78.1 117.1#
141 463.5 64.3 96.5#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141861.D
Acq: 06 Mar 2025 11:21 am

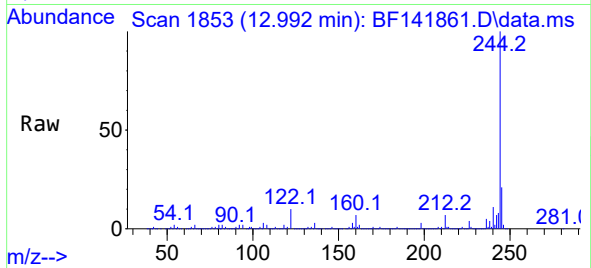
Tgt Ion:240 Resp: 646602
Ion Ratio Lower Upper
240 100
120 10.6 9.7 14.5
236 25.6 21.0 31.4





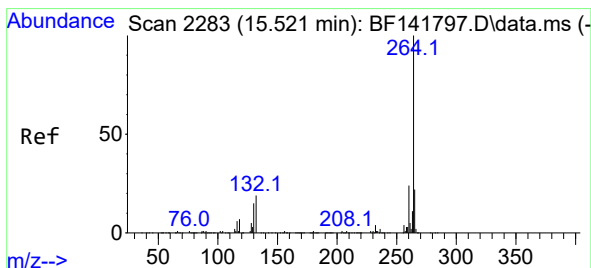
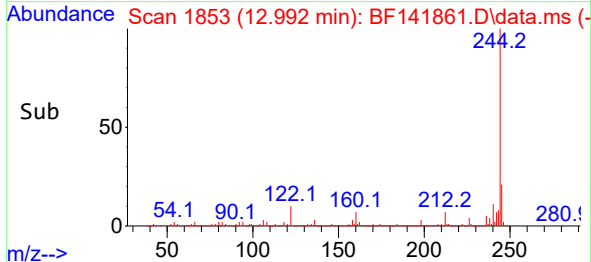
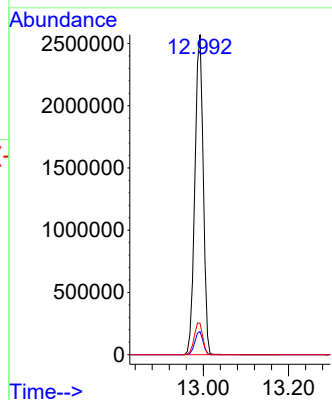
#79
 Terphenyl-d14
 Concen: 87.13 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF141861.D
 Acq: 06 Mar 2025 11:21

Instrument :
 BNA_F
 ClientSampleId :
 PB166982BL



Tgt Ion:244 Resp: 3482297

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.8	9.0	13.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. -0.012 min
 Lab File: BF141861.D
 Acq: 06 Mar 2025 11:21 am

Tgt Ion:264 Resp: 495069

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.6	17.4	26.0

