

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141859.D
 Acq On : 06 Mar 2025 10:22 am
 Operator : RC/JU
 Sample : PB166984BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166984BL

Quant Time: Mar 06 10:55:50 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)

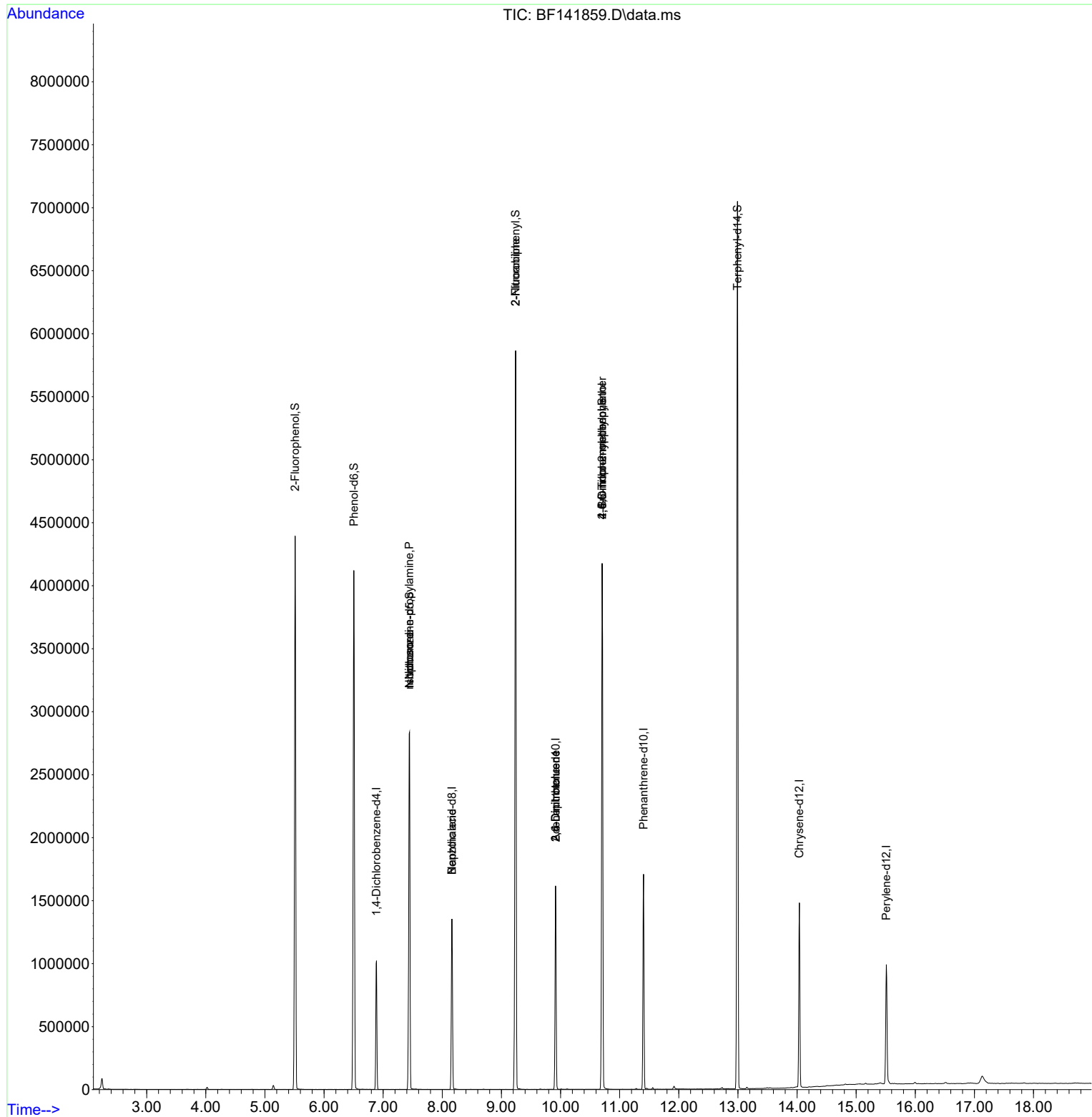
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	218862	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	871720	20.00	ng	-0.01
39) Acenaphthene-d10	9.916	164	477596	20.00	ng	-0.01
64) Phenanthrene-d10	11.404	188	848035	20.00	ng	0.00
76) Chrysene-d12	14.039	240	691946	20.00	ng	-0.01
86) Perylene-d12	15.510	264	552165	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1730529	126.27	ng	0.01
7) Phenol-d6	6.504	99	2123556	119.05	ng	0.00
23) Nitrobenzene-d5	7.445	82	1433035	105.08	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	746687	166.53	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	2725247	91.50	ng	0.00
79) Terphenyl-d14	12.992	244	3529158	82.52	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	195348	16.66	ng	# 78
25) Isophorone	7.445	82	1428421	48.75	ng	# 66
32) Benzoic acid	8.163	122	61	7.70	ng	# 1
48) 2-Nitroaniline	9.239	65	4714	4.92	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	62874	12.50	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	62874	11.32	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.704	198	1731	8.49	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	50041	5.05	ng	# 1

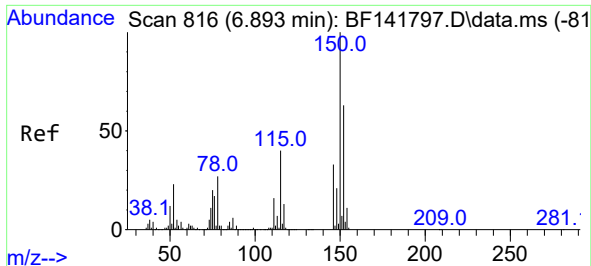
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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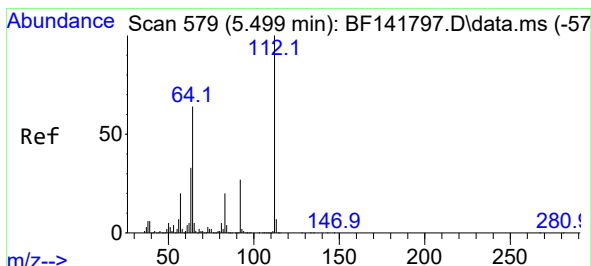
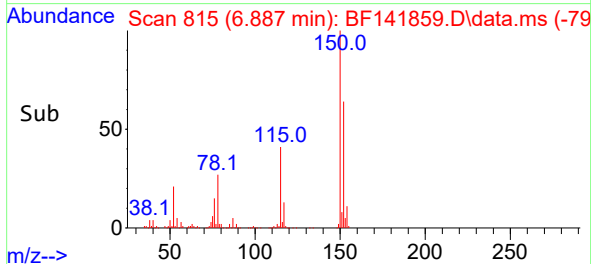
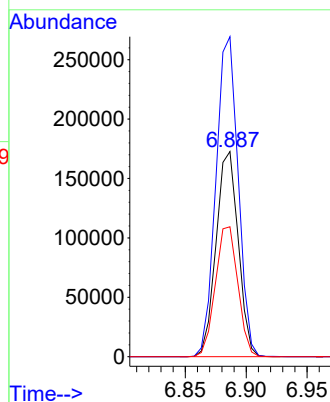
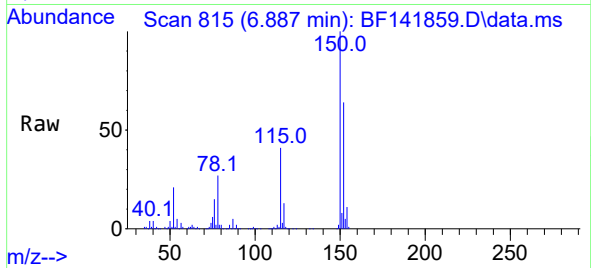




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22

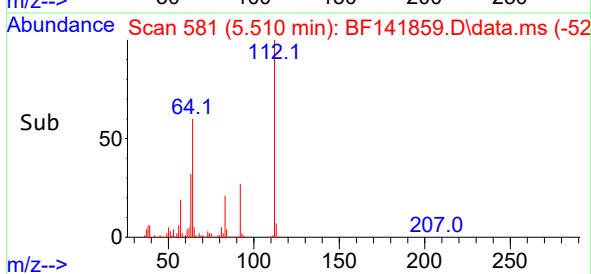
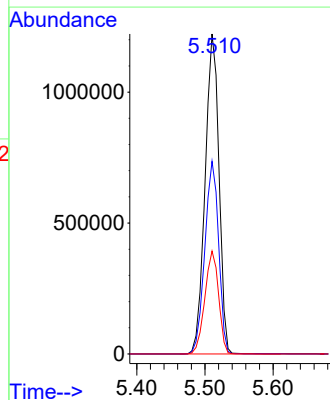
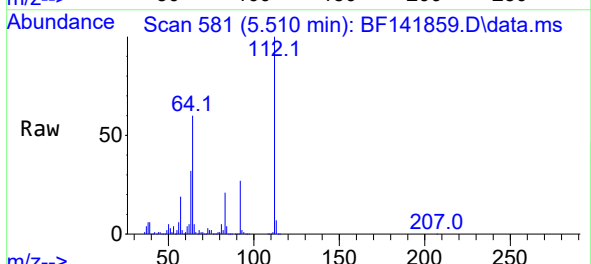
Instrument :
BNA_F
ClientSampleId :
PB166984BL

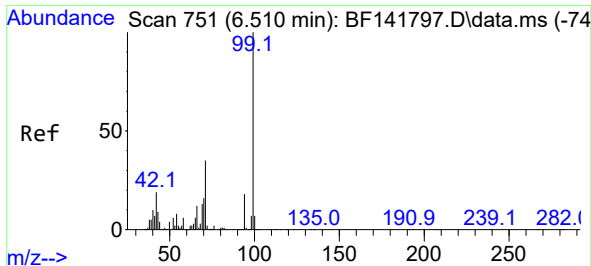
Tgt Ion:152 Resp: 218862
Ion Ratio Lower Upper
152 100
150 155.9 127.5 191.3
115 63.3 51.4 77.2



#5
2-Fluorophenol
Concen: 126.27 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22 am

Tgt Ion:112 Resp: 1730529
Ion Ratio Lower Upper
112 100
64 60.2 51.3 76.9
63 32.2 26.2 39.4

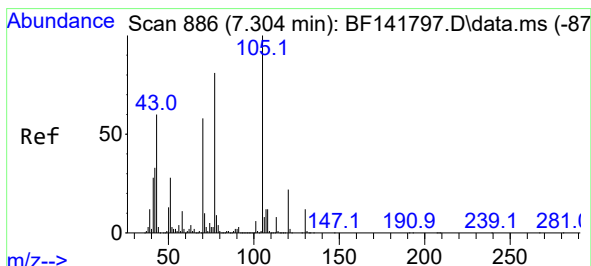
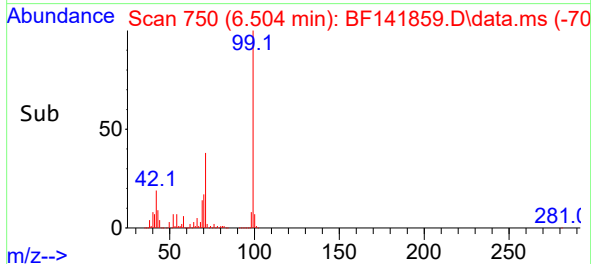
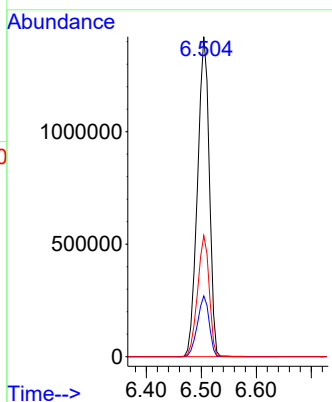
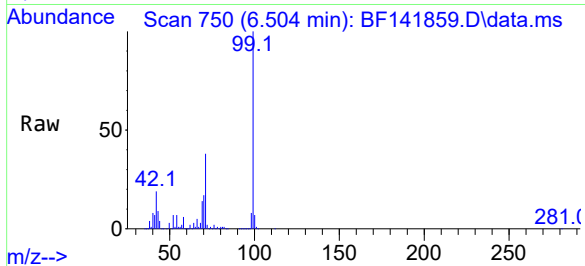




#7
Phenol-d6
Concen: 119.05 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22

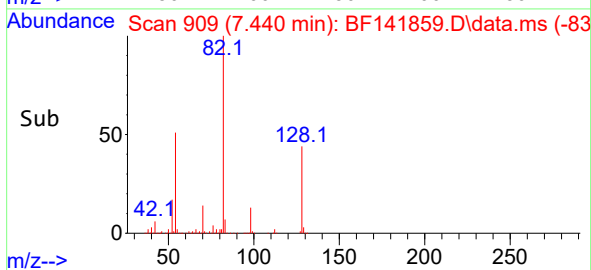
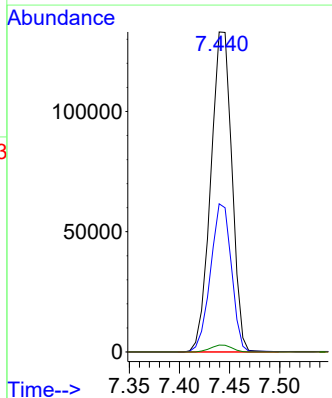
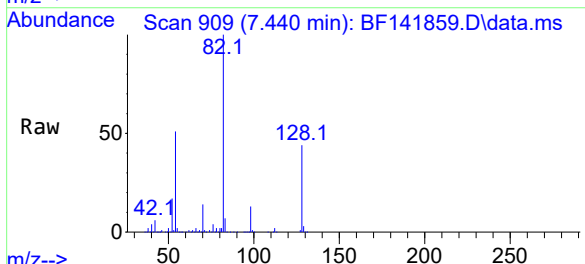
Instrument :
BNA_F
ClientSampleId :
PB166984BL

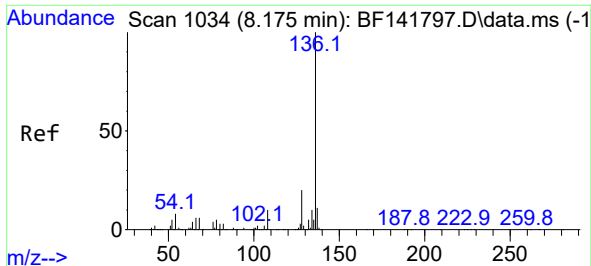
Tgt Ion: 99 Resp: 2123556
Ion Ratio Lower Upper
99 100
42 19.0 15.2 22.8
71 37.8 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.66 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22 am

Tgt Ion: 70 Resp: 195348
Ion Ratio Lower Upper
70 100
42 46.3 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# 1034

Delta R.T. -0.012 min

Lab File: BF141859.D

Acq: 06 Mar 2025 10:22

Instrument :

BNA_F

ClientSampleId :

PB166984BL

Tgt Ion:136 Resp: 871720

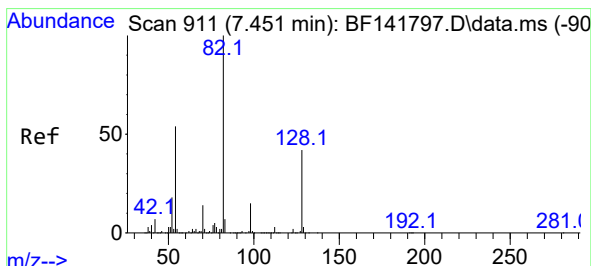
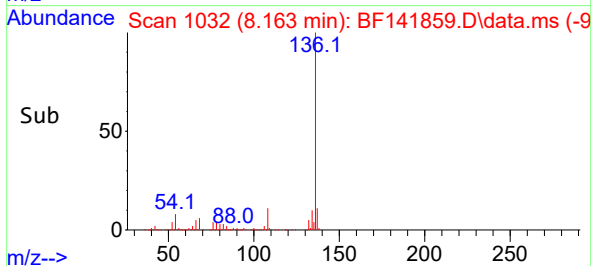
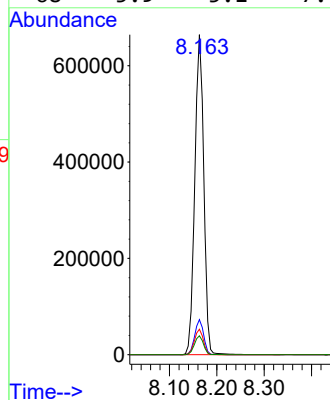
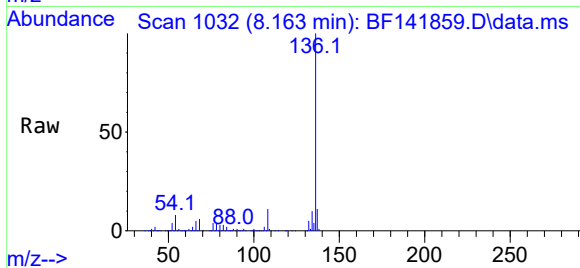
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.9 6.9 10.3

68 5.9 5.1 7.7



#23

Nitrobenzene-d5

Concen: 105.08 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141859.D

Acq: 06 Mar 2025 10:22 am

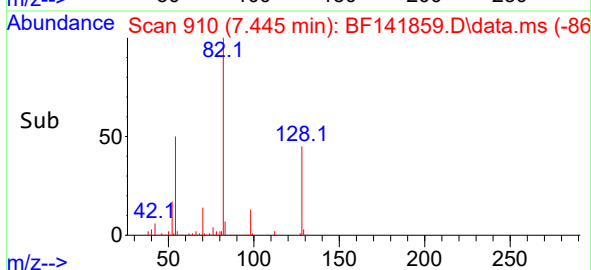
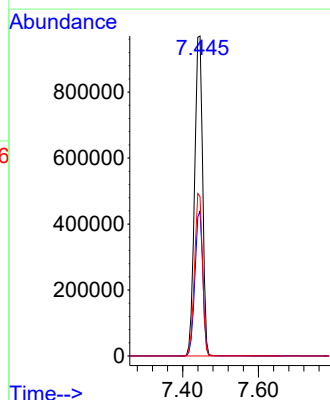
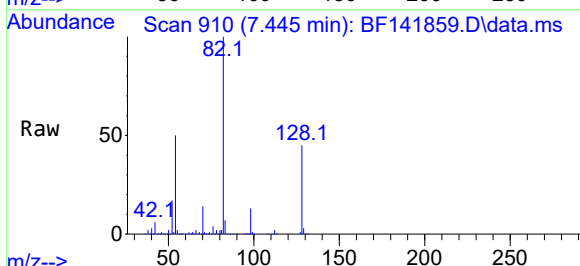
Tgt Ion: 82 Resp: 1433035

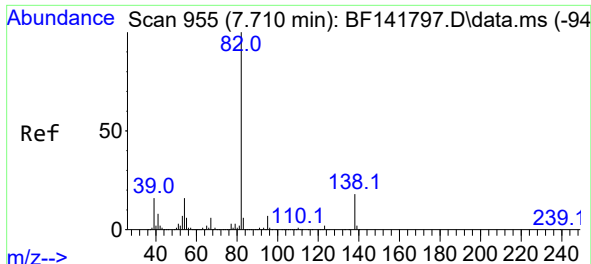
Ion Ratio Lower Upper

82 100

128 45.3 33.5 50.3

54 49.8 42.7 64.1

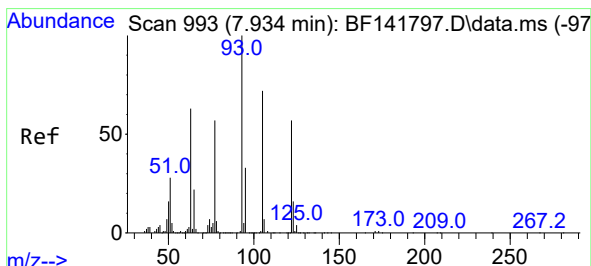
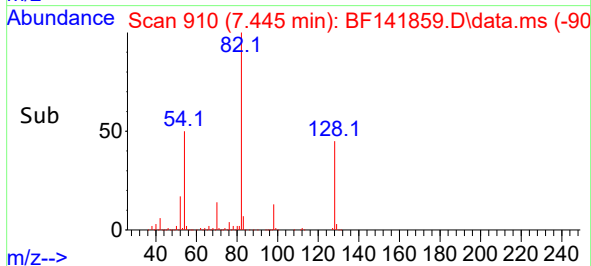
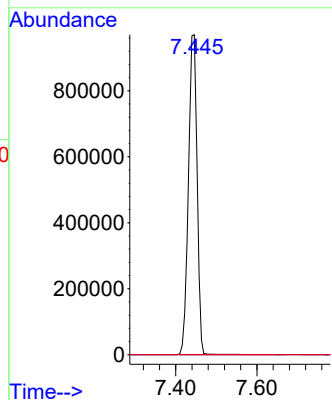
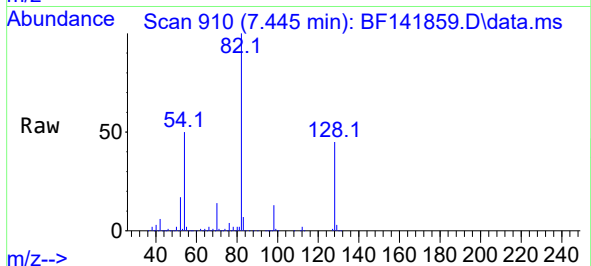




#25
Isophorone
Concen: 48.75 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22

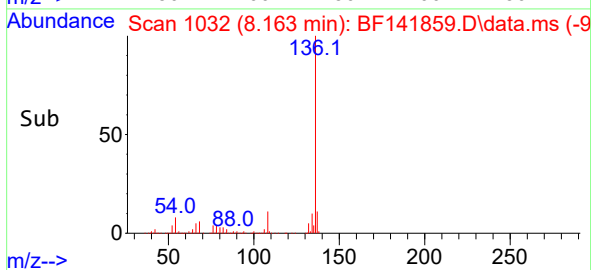
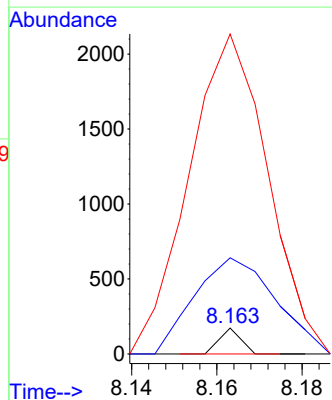
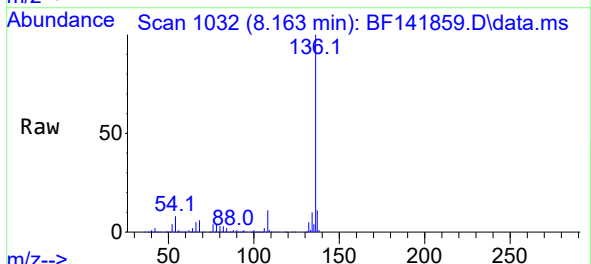
Instrument :
BNA_F
ClientSampleId :
PB166984BL

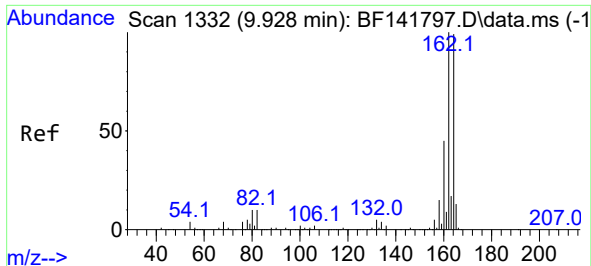
Tgt Ion: 82 Resp: 1428421
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.70 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.229 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22 am

Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 370.5 105.8 145.8#
77 1233.5 79.9 119.9#

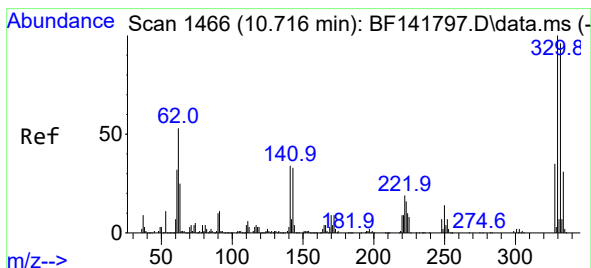
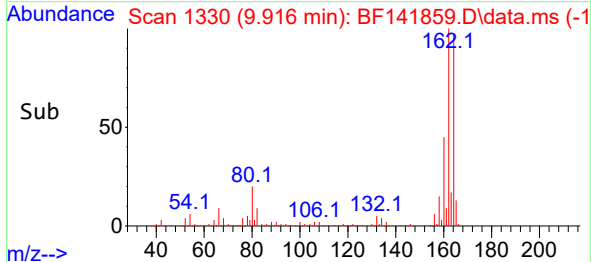
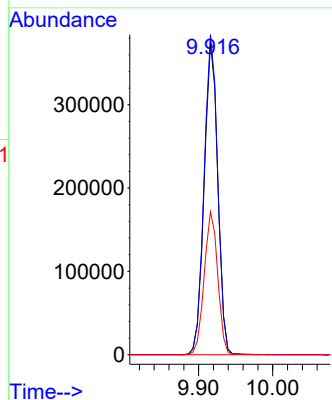
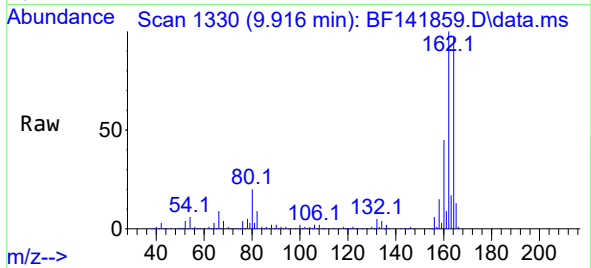




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22

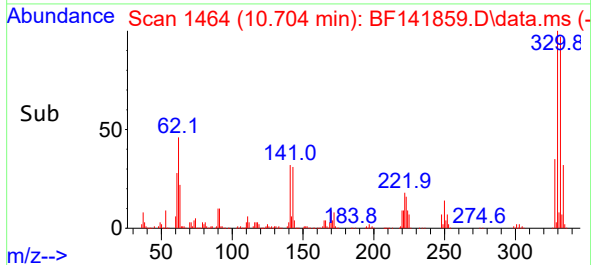
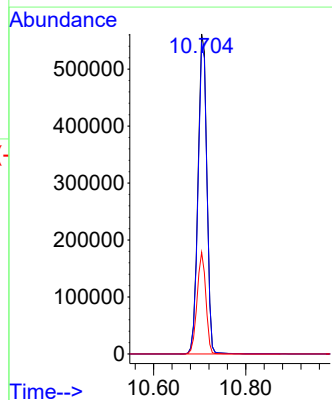
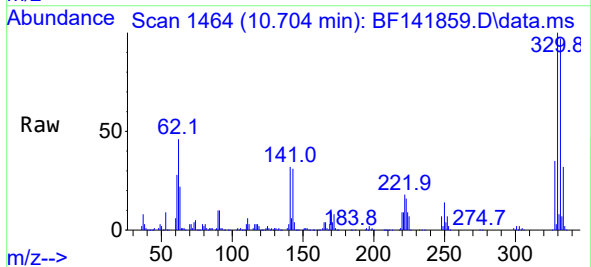
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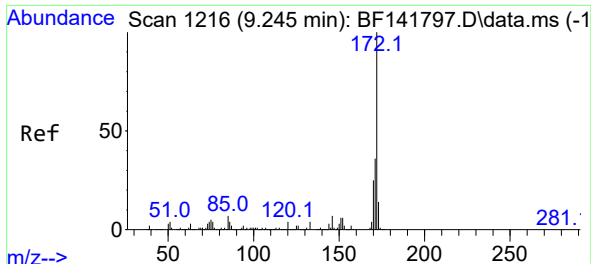
Tgt Ion:164 Resp: 477596
Ion Ratio Lower Upper
164 100
162 102.6 80.6 120.8
160 45.8 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 166.53 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22 am

Tgt Ion:330 Resp: 746687
Ion Ratio Lower Upper
330 100
332 97.1 76.6 115.0
141 31.4 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 91.50 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141859.D

Acq: 06 Mar 2025 10:22

Instrument :

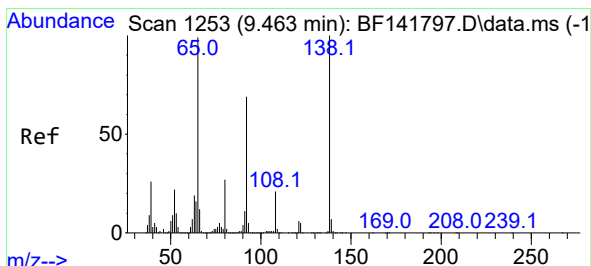
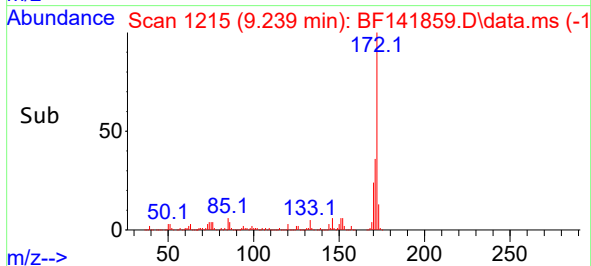
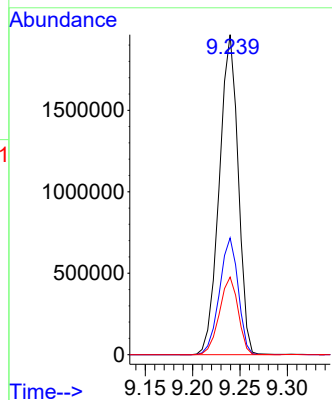
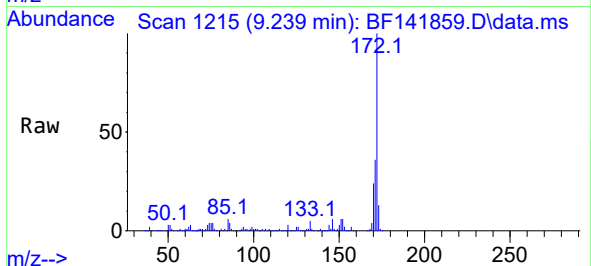
BNA_F

ClientSampleId :

PB166984BL

Tgt Ion:172 Resp: 2725247

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.2	43.8
170	24.2	19.7	29.5



#48

2-Nitroaniline

Concen: 4.92 ng

RT: 9.239 min Scan# 1215

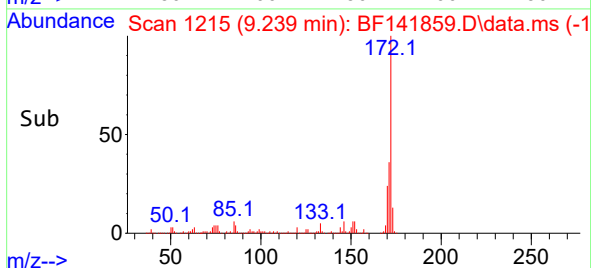
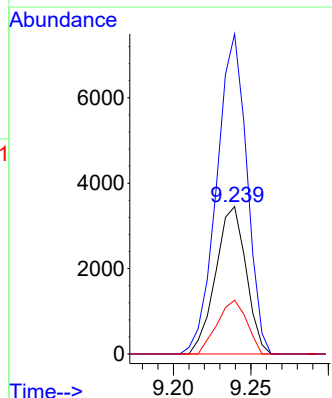
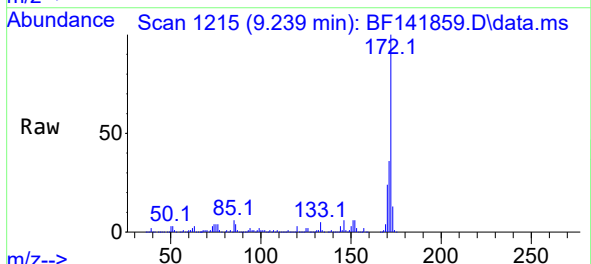
Delta R.T. -0.224 min

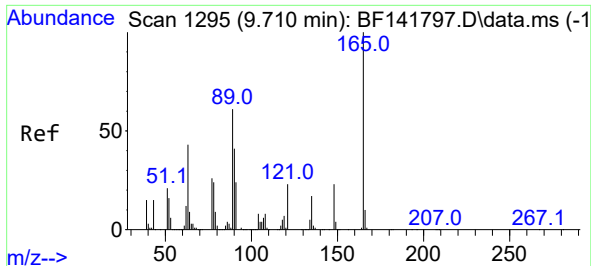
Lab File: BF141859.D

Acq: 06 Mar 2025 10:22 am

Tgt Ion: 65 Resp: 4714

Ion	Ratio	Lower	Upper
65	100		
92	217.1	55.7	83.5#
138	36.5	80.6	121.0#

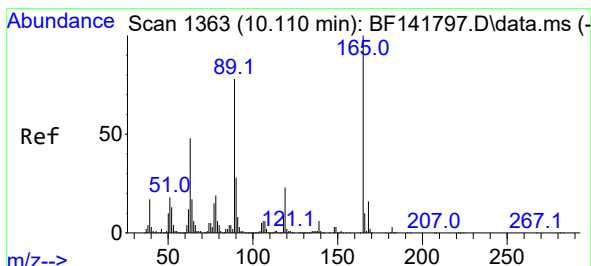
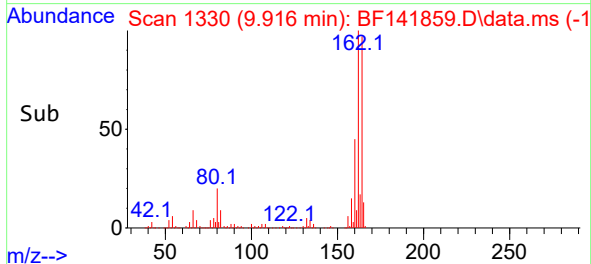
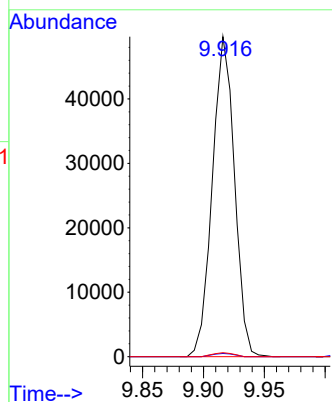
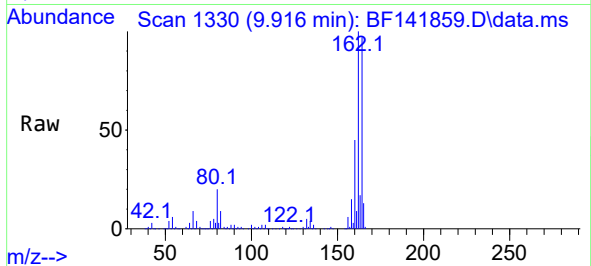




#51
2,6-Dinitrotoluene
Concen: 12.50 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22

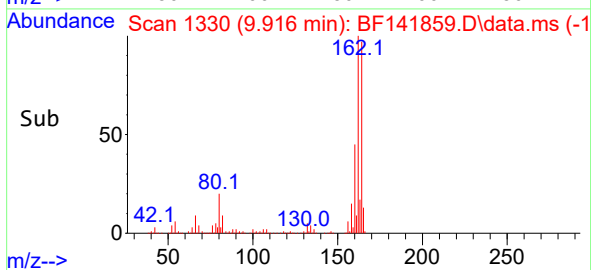
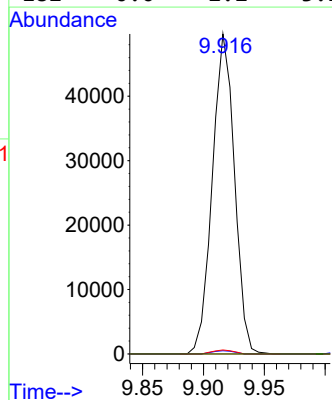
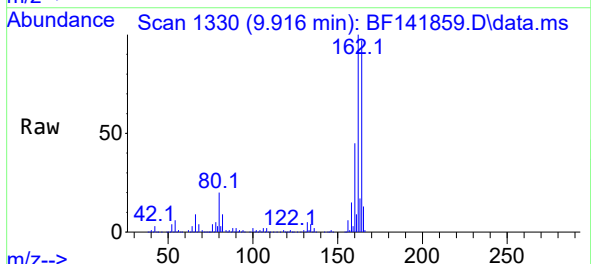
Instrument :
BNA_F
ClientSampleId :
PB166984BL

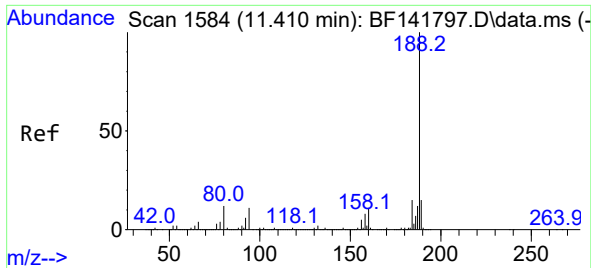
Tgt Ion:165 Resp: 62874
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 1.2 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 11.32 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.194 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22 am

Tgt Ion:165 Resp: 62874
Ion Ratio Lower Upper
165 100
63 1.0 38.8 58.2#
89 1.2 62.6 94.0#
182 0.0 2.2 3.2#

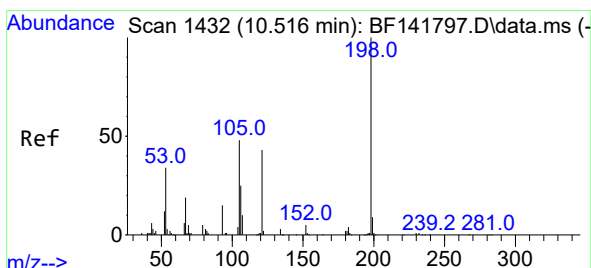
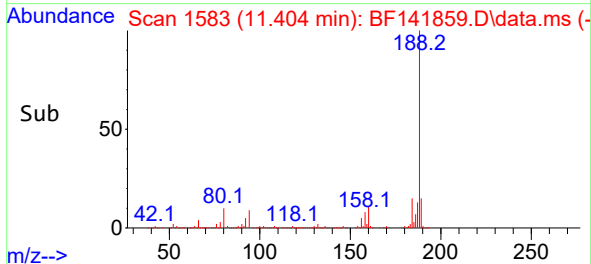
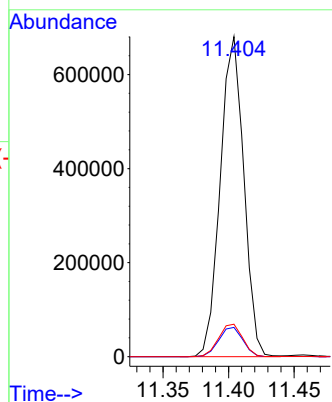
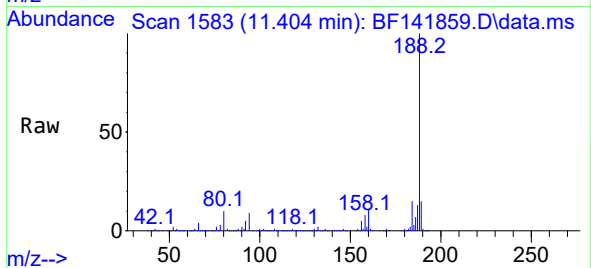




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22

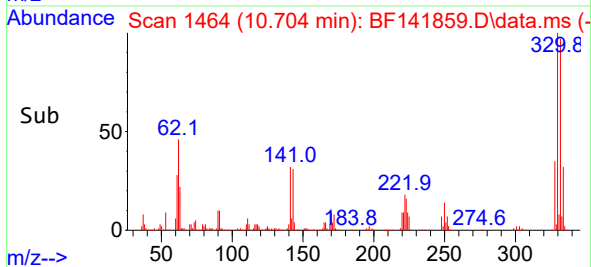
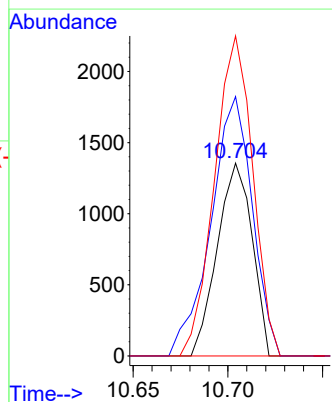
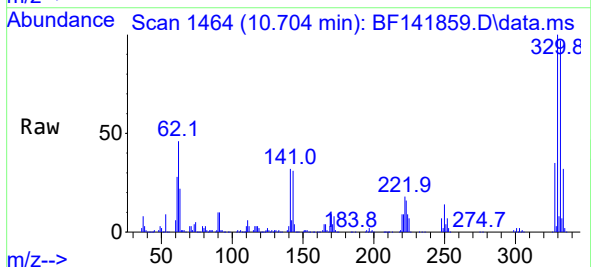
Instrument :
BNA_F
ClientSampleId :
PB166984BL

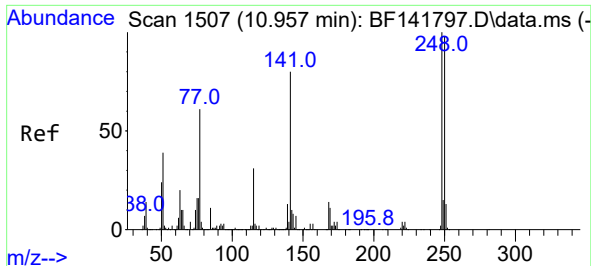
Tgt Ion:188 Resp: 848035
Ion Ratio Lower Upper
188 100
94 9.1 8.9 13.3
80 10.1 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.49 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22 am

Tgt Ion:198 Resp: 1731
Ion Ratio Lower Upper
198 100
51 134.6 32.1 72.1#
105 166.1 28.5 68.5#

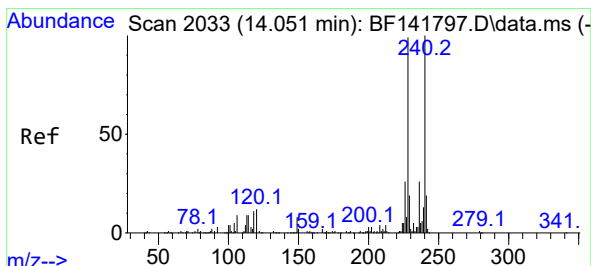
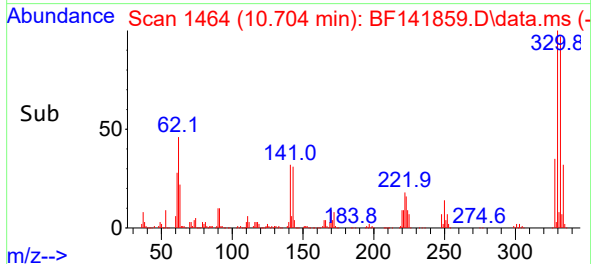
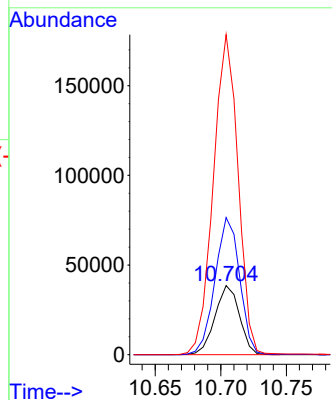
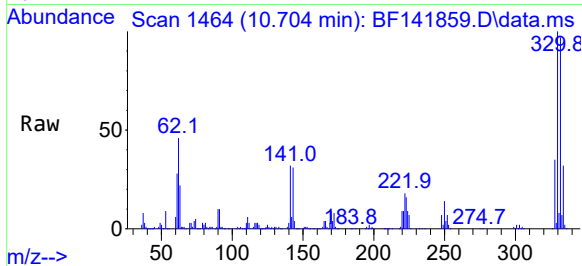




#67
4-Bromophenyl-phenylether
Concen: 5.05 ng
RT: 10.704 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22

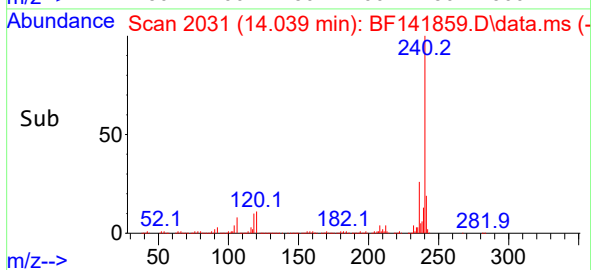
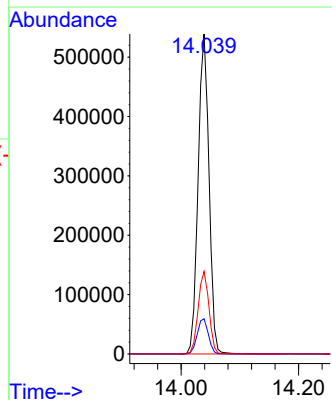
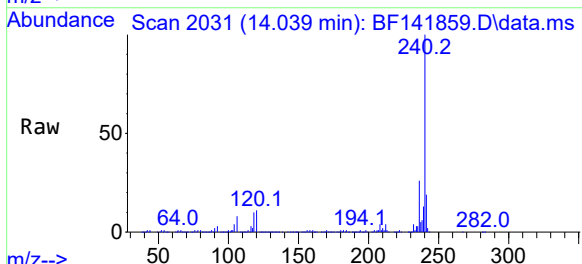
Instrument :
BNA_F
ClientSampleId :
PB166984BL

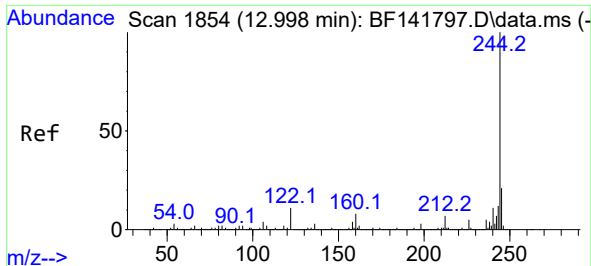
Tgt Ion:248 Resp: 50041
Ion Ratio Lower Upper
248 100
250 198.4 78.1 117.1#
141 463.1 64.3 96.5#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141859.D
Acq: 06 Mar 2025 10:22 am

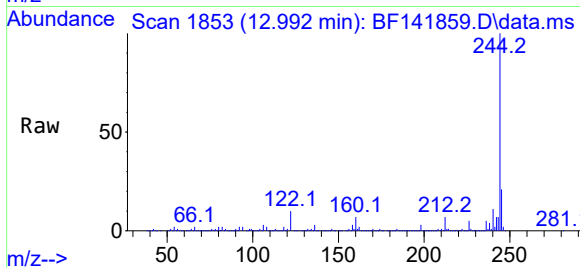
Tgt Ion:240 Resp: 691946
Ion Ratio Lower Upper
240 100
120 11.0 9.7 14.5
236 25.8 21.0 31.4



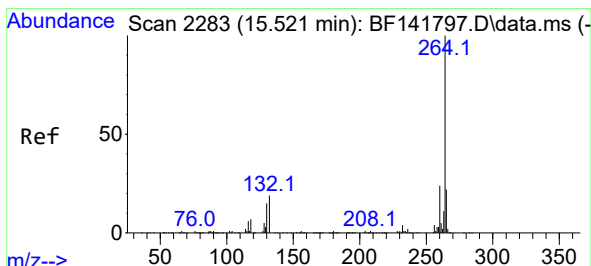
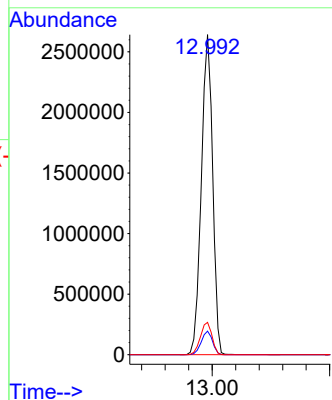
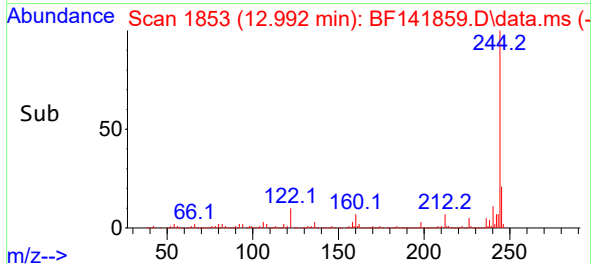


#79
 Terphenyl-d14
 Concen: 82.52 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.006 min
 Lab File: BF141859.D
 Acq: 06 Mar 2025 10:22

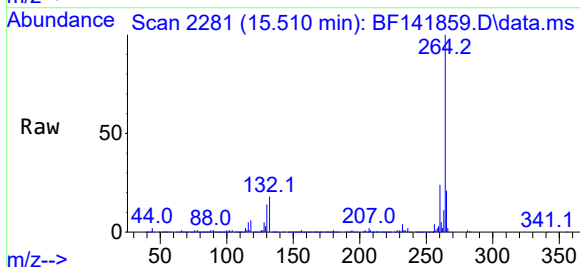
Instrument :
 BNA_F
 ClientSampleId :
 PB166984BL



Tgt Ion:244 Resp: 3529158
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.1 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: BF141859.D
 Acq: 06 Mar 2025 10:22 am



Tgt Ion:264 Resp: 552165
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 21.4 17.4 26.0

