

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
 Data File : BF142599.D
 Acq On : 02 Jun 2025 16:03
 Operator : RC/JU
 Sample : Q2149-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 16:53:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

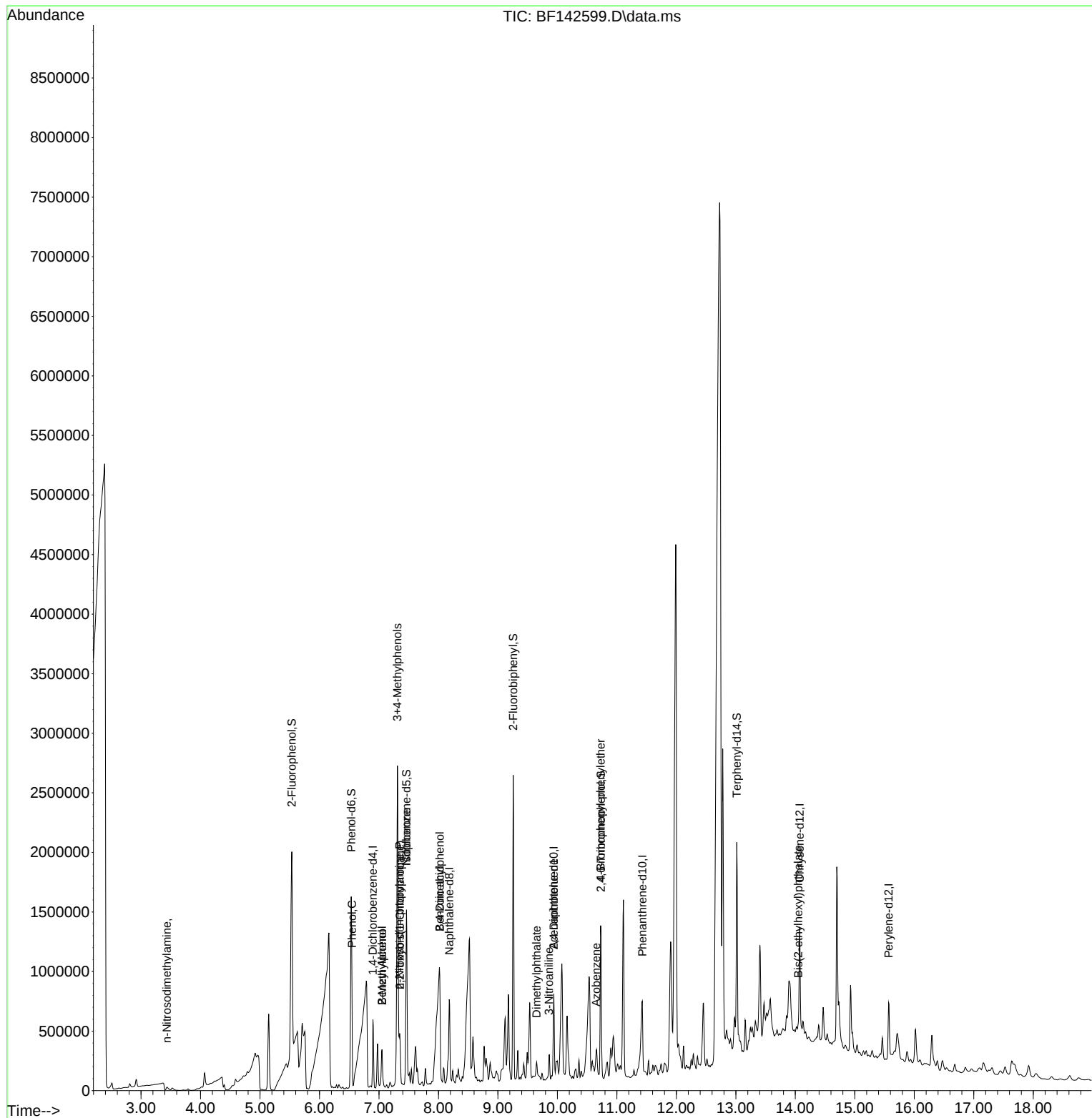
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	124508	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	456228	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	209752	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	288264	20.000	ng	0.00
76) Chrysene-d12	14.074	240	250895	20.000	ng	0.00
86) Perylene-d12	15.568	264	269491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	750355	101.533	ng	0.02
7) Phenol-d6	6.533	99	810952	91.158	ng	0.00
23) Nitrobenzene-d5	7.463	82	618911	73.973	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	226107	97.126	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1148116	73.449	ng	-0.01
79) Terphenyl-d14	13.015	244	829246	45.166	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.434	42	10617	2.715	ng	# 4
10) Phenol	6.545	94	34596	3.456	ng	# 62
15) Benzyl Alcohol	7.051	79	88954	13.531	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.351	45	59054	4.880	ng	86
17) 2-Methylphenol	7.051	107	51908	8.259	ng	# 21
19) n-Nitroso-di-n-propyla...	7.345	70	39667	7.195	ng	# 27
20) 3+4-Methylphenols	7.310	107	985246	122.420	ng	# 56
25) Isophorone	7.463	82	611216	43.694	ng	# 63
27) 2,4-Dimethylphenol	8.022	122	56394	7.931	ng	# 8
32) Benzoic acid	8.022	122	56394	13.029	ng	97
50) Dimethylphthalate	9.651	163	37087	2.680	ng	# 99
53) 3-Nitroaniline	9.857	138	19578	6.001	ng	# 12
57) 2,4-Dinitrotoluene	9.939	165	28672	7.350	ng	# 30
63) Azobenzene	10.651	77	28966	2.386	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	14256	4.182	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.051	149	33631	4.062	ng	# 93

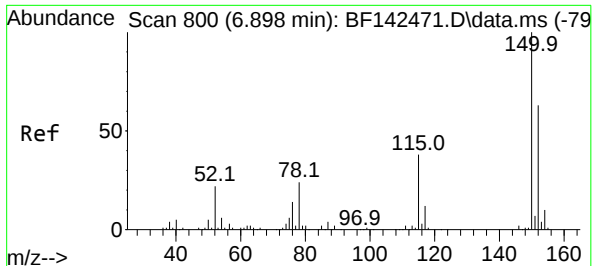
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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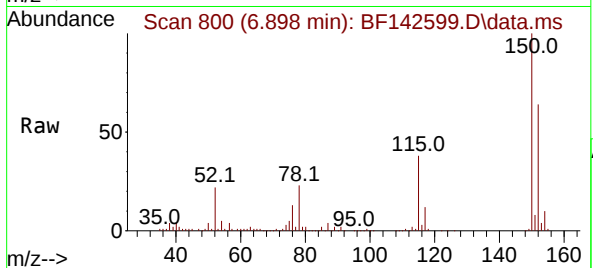
Quant Time: Jun 02 16:53:56 2025
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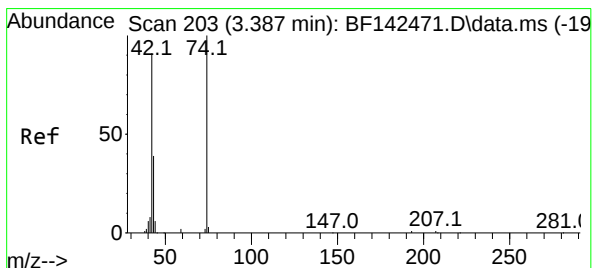
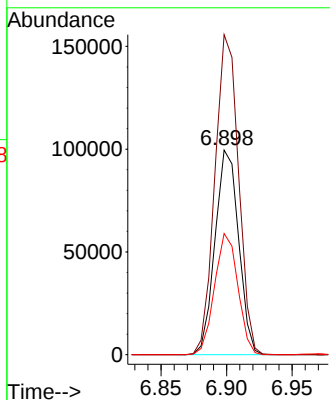
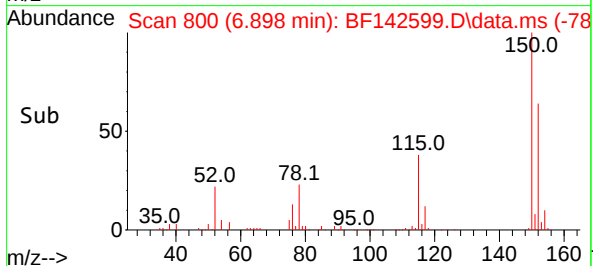


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142599.D
 Acq: 02 Jun 2025 16:03

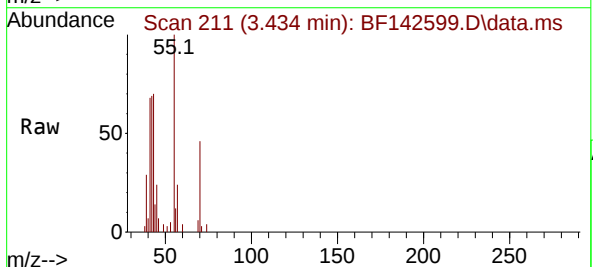
Instrument :
 BNA_F
 ClientSampleId :



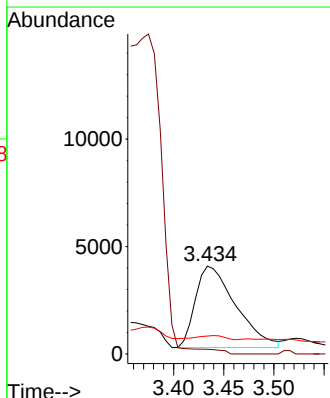
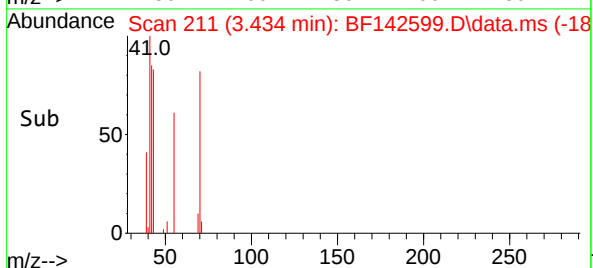
Tgt Ion:152 Resp: 124508
 Ion Ratio Lower Upper
 152 100
 150 156.4 128.2 192.4
 115 59.2 48.3 72.5

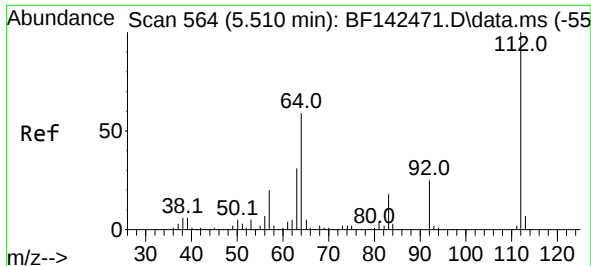


#4
 n-Nitrosodimethylamine
 Concen: 2.715 ng
 RT: 3.434 min Scan# 211
 Delta R.T. 0.029 min
 Lab File: BF142599.D
 Acq: 02 Jun 2025 16:03



Tgt Ion: 42 Resp: 10617
 Ion Ratio Lower Upper
 42 100
 74 5.3 88.2 132.4#
 44 20.5 5.4 8.2#

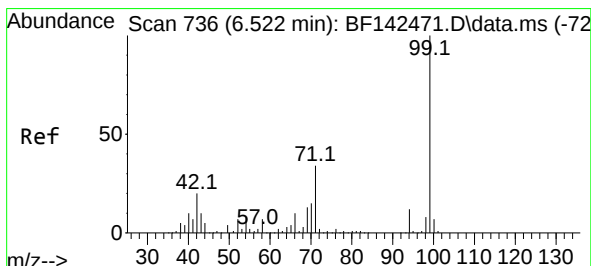
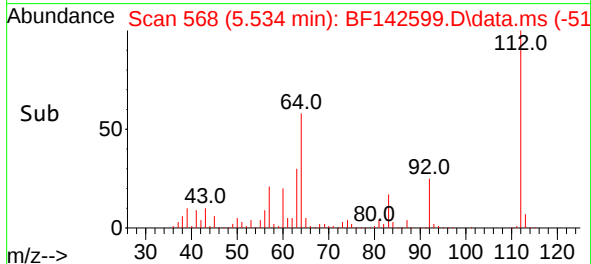
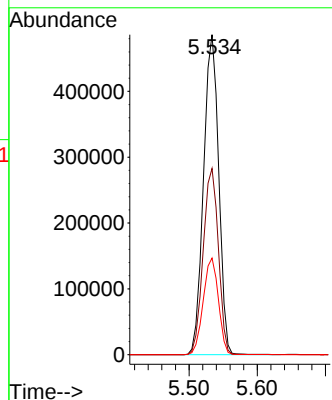
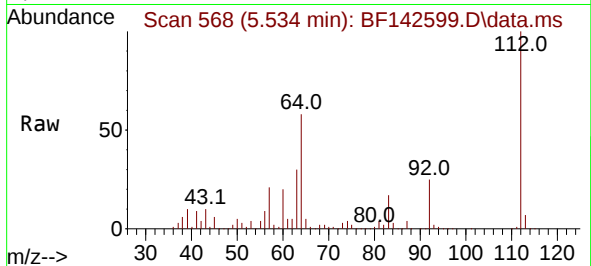




#5
2-Fluorophenol
Concen: 101.533 ng
RT: 5.534 min Scan# 50
Delta R.T. 0.018 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

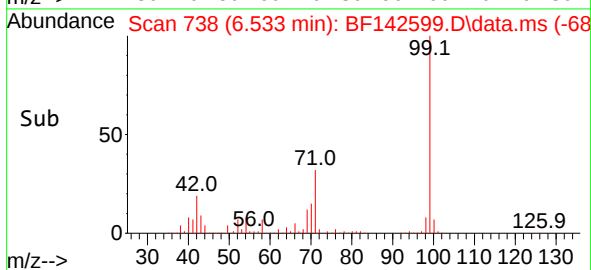
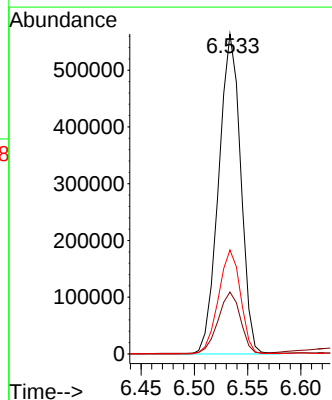
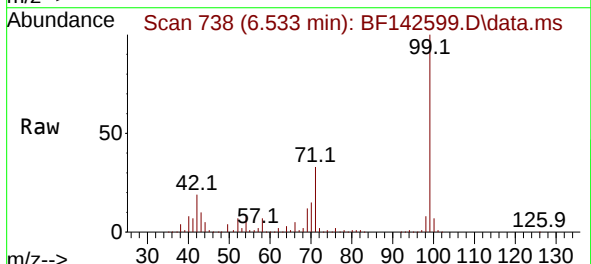
Instrument :
BNA_F
ClientSampleId :

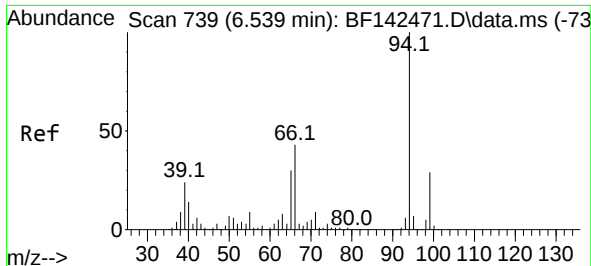
Tgt Ion:112 Resp: 750355
Ion Ratio Lower Upper
112 100
64 58.2 47.5 71.3
63 30.2 24.9 37.3



#7
Phenol-d6
Concen: 91.158 ng
RT: 6.533 min Scan# 738
Delta R.T. -0.000 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion: 99 Resp: 810952
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 32.5 27.3 40.9

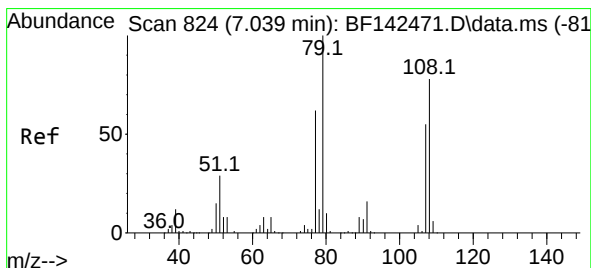
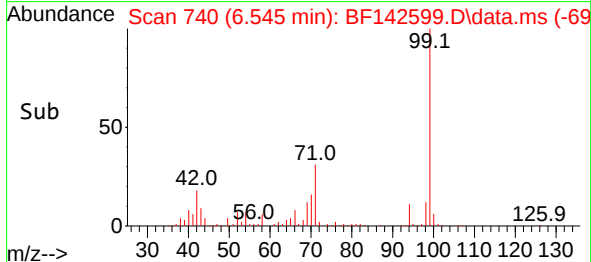
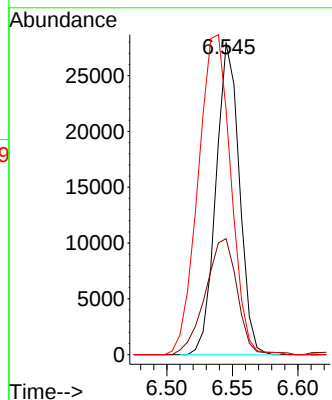
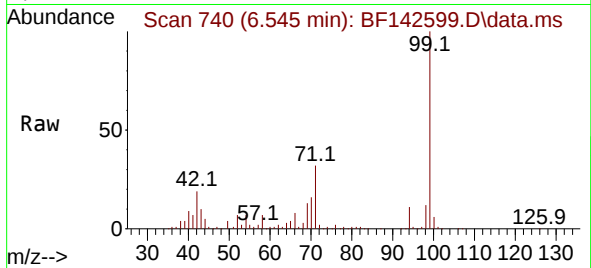




#10
Phenol
Concen: 3.456 ng
RT: 6.545 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

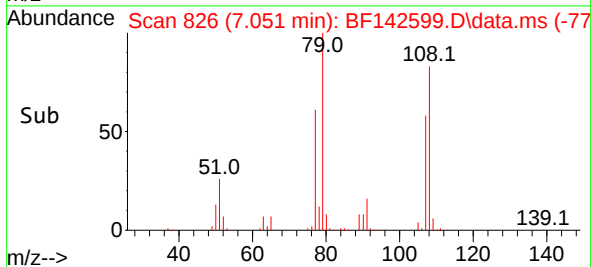
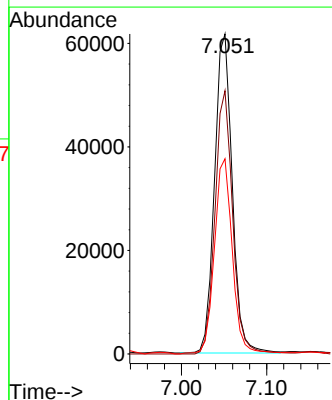
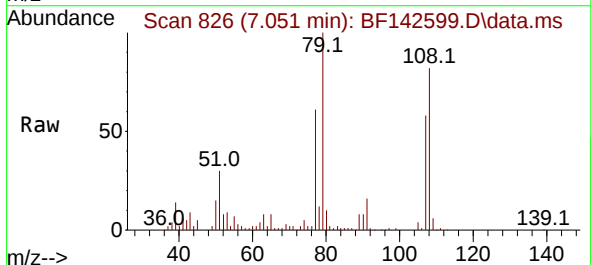
Instrument :
BNA_F
ClientSampleId :

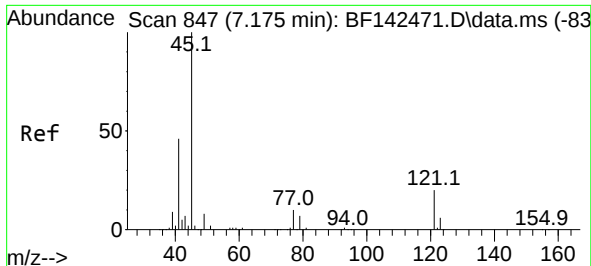
Tgt Ion: 94 Resp: 34596
Ion Ratio Lower Upper
94 100
65 37.3 10.3 50.3
66 78.5 22.6 62.6#



#15
Benzyl Alcohol
Concen: 13.531 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion: 79 Resp: 88954
Ion Ratio Lower Upper
79 100
108 82.2 62.1 93.1
77 61.0 49.5 74.3

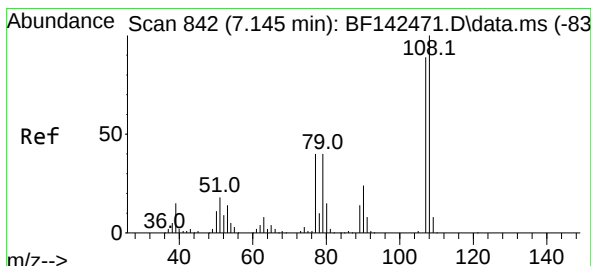
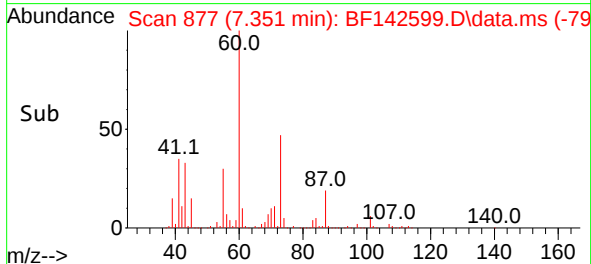
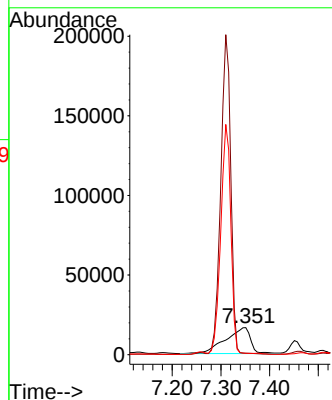
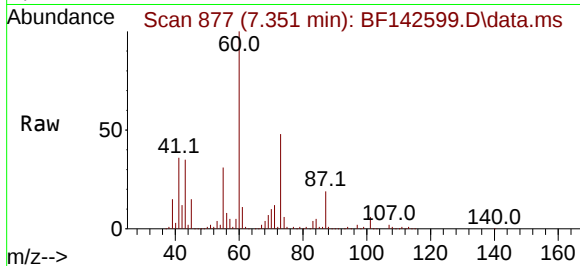




#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.880 ng
RT: 7.351 min Scan# 81
Delta R.T. 0.170 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

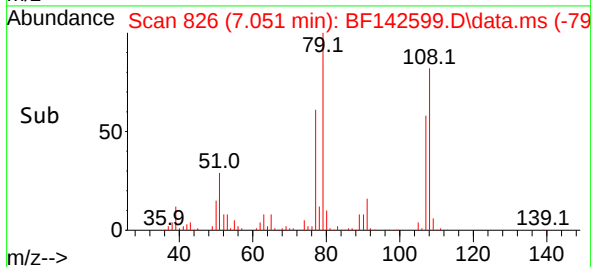
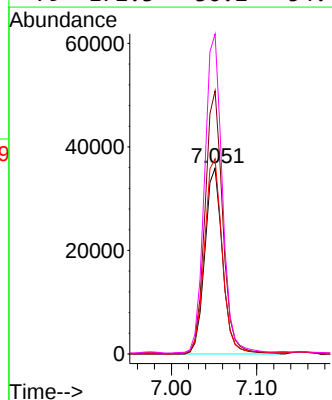
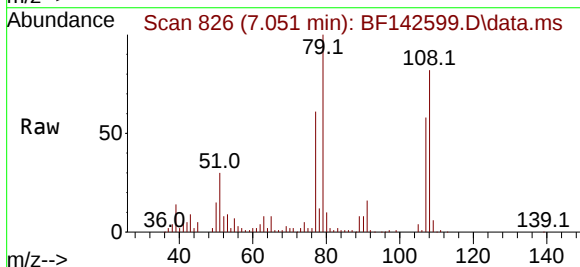
Instrument :
BNA_F
ClientSampleId :

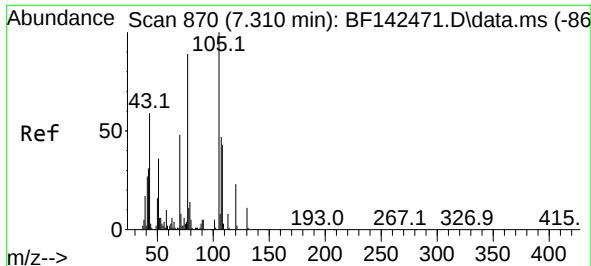
Tgt Ion: 45 Resp: 59054
Ion Ratio Lower Upper
45 100
77 5.6 0.0 32.0
79 5.1 0.0 29.2



#17
2-Methylphenol
Concen: 8.259 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.100 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

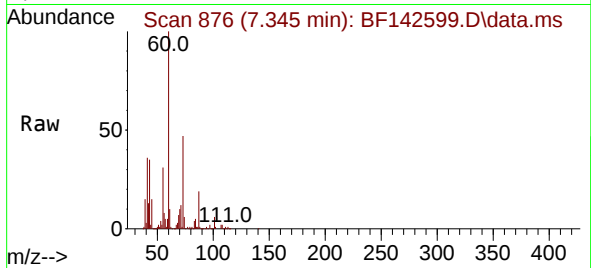
Tgt Ion: 107 Resp: 51908
Ion Ratio Lower Upper
107 100
108 141.7 90.2 135.2#
77 105.2 36.1 54.1#
79 172.3 36.2 54.4#



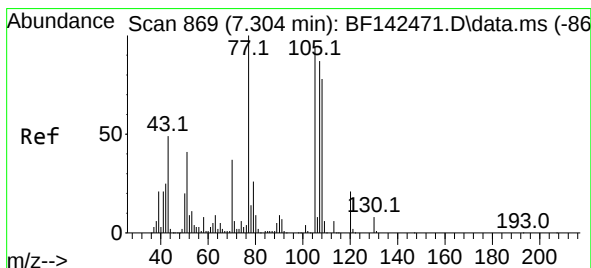
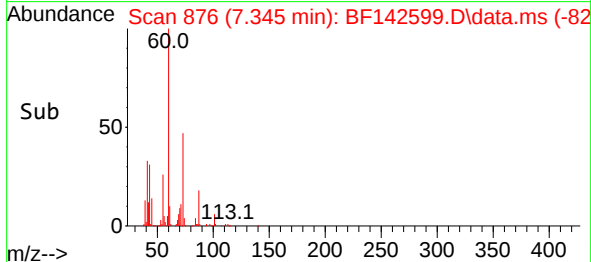
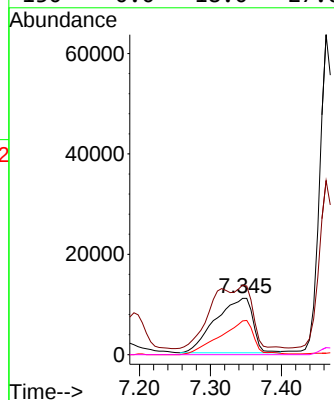


#19
n-Nitroso-di-n-propylamine
Concen: 7.195 ng
RT: 7.345 min Scan# 81
Delta R.T. 0.018 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :

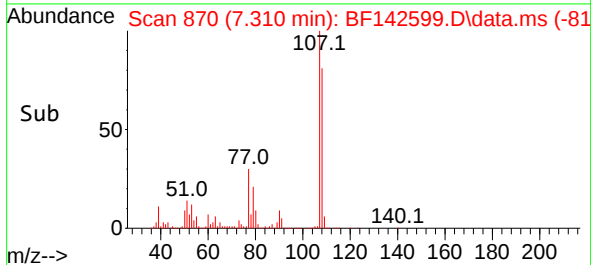
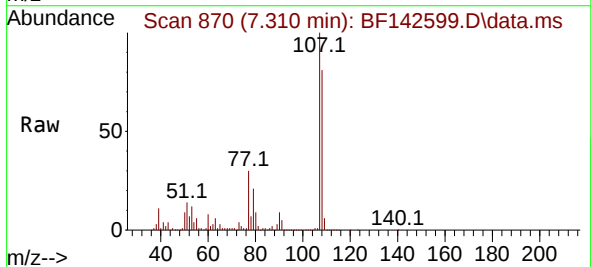
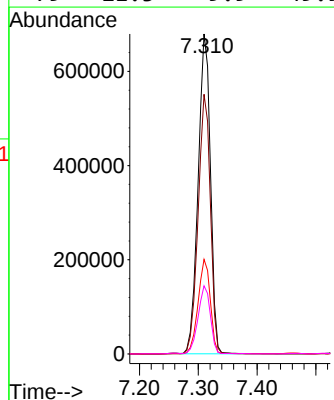


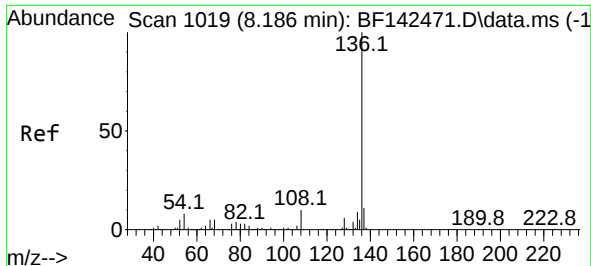
Tgt Ion: 70 Resp: 39667
Ion Ratio Lower Upper
70 100
42 123.5 52.4 78.6#
101 59.9 7.8 11.8#
130 0.0 18.0 27.0#



#20
3+4-Methylphenols
Concen: 122.420 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion: 107 Resp: 985246
Ion Ratio Lower Upper
107 100
108 81.1 70.4 110.4
77 29.6 95.4 135.4#
79 21.3 9.9 49.9



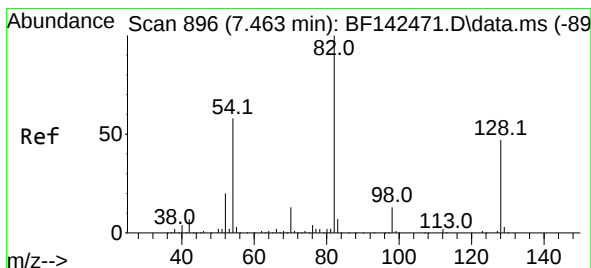
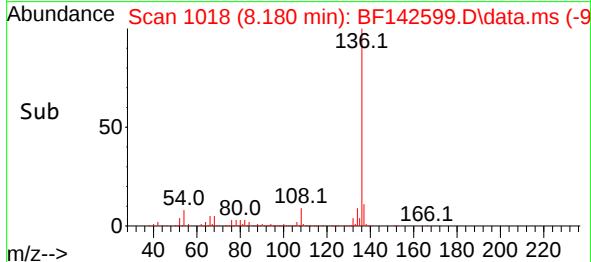
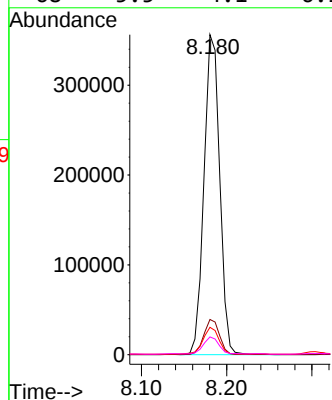
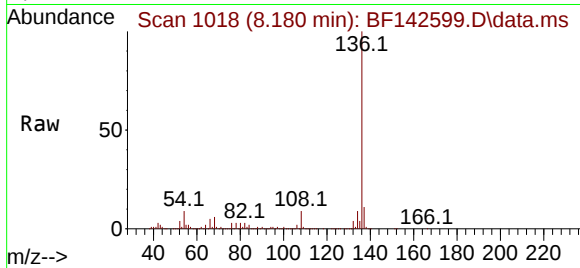


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 456228

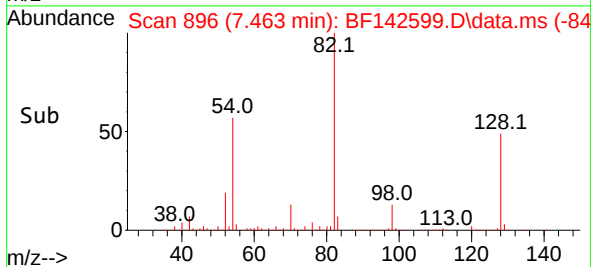
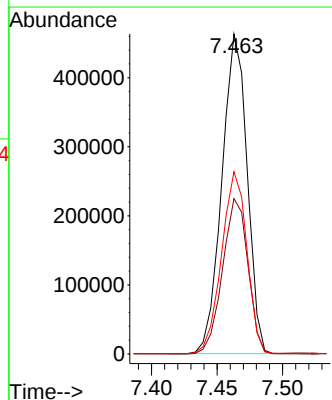
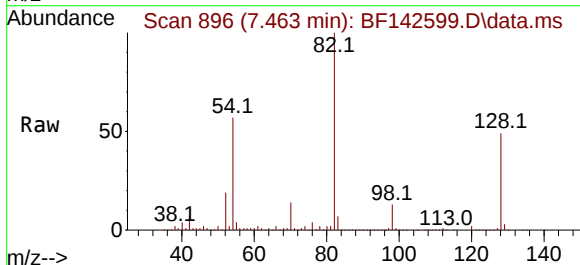
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.6	6.6	10.0
68	5.5	4.1	6.1

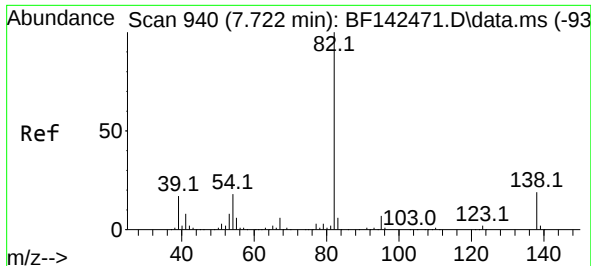


#23
Nitrobenzene-d5
Concen: 73.973 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion: 82 Resp: 618911

Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.4	56.2
54	57.0	46.6	70.0

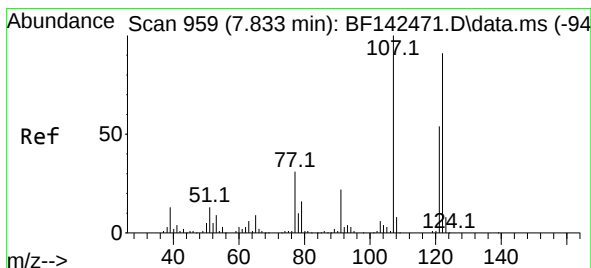
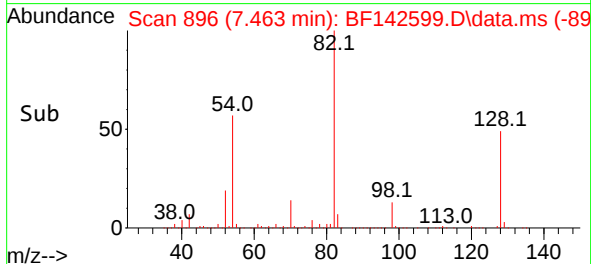
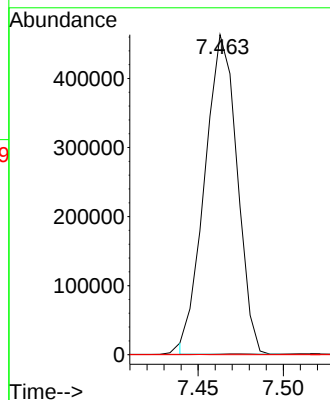
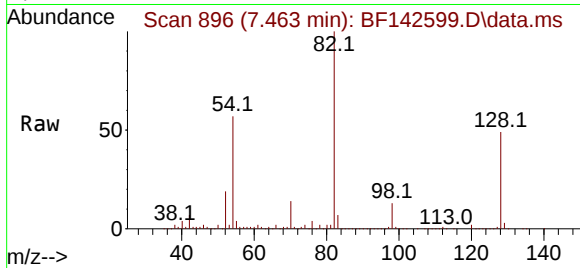




#25
Isophorone
Concen: 43.694 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

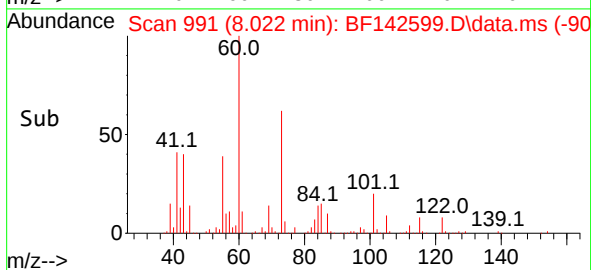
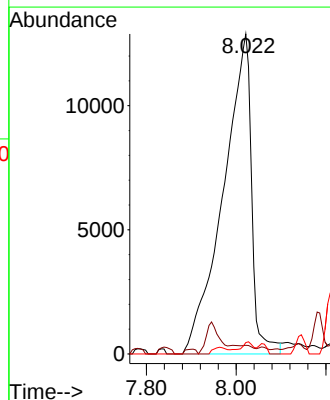
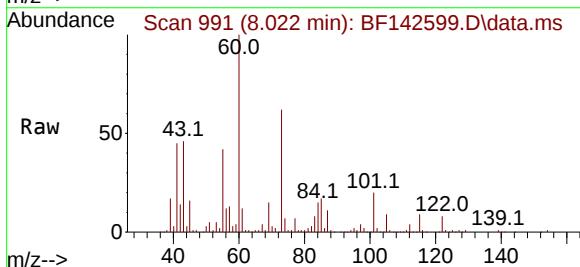
Instrument :
BNA_F
ClientSampleId :

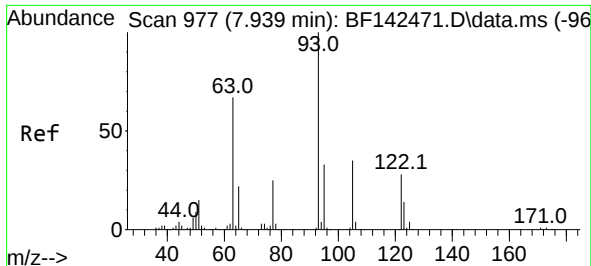
Tgt Ion: 82 Resp: 611216
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 15.5 23.3#



#27
2,4-Dimethylphenol
Concen: 7.931 ng
RT: 8.022 min Scan# 991
Delta R.T. 0.182 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:122 Resp: 56394
Ion Ratio Lower Upper
122 100
107 2.7 88.1 132.1#
121 3.5 47.3 70.9#

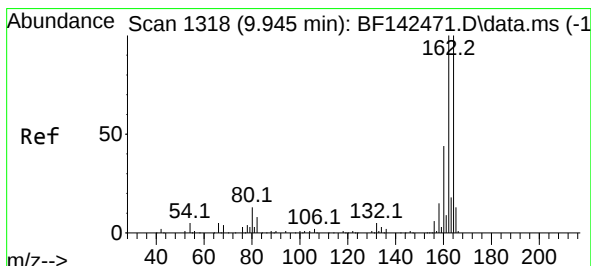
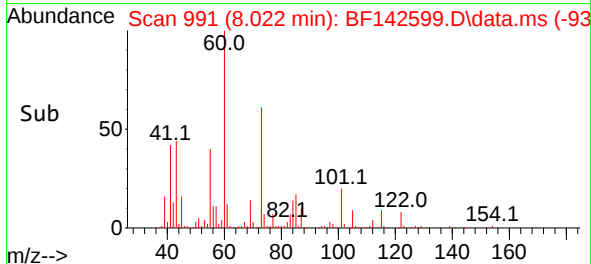
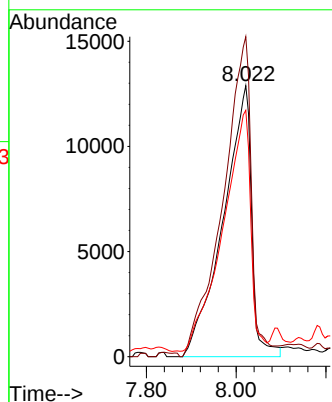
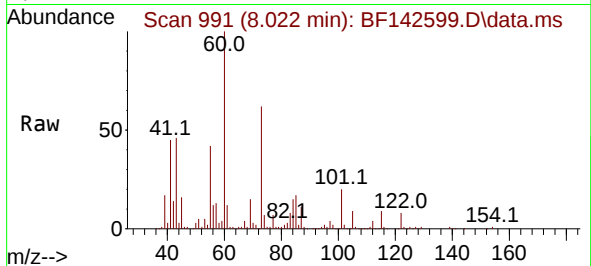




#32
Benzoic acid
Concen: 13.029 ng
RT: 8.022 min Scan# 91
Delta R.T. 0.047 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

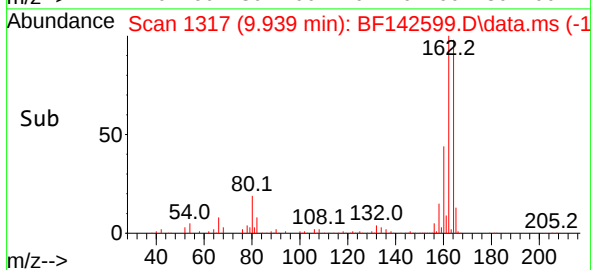
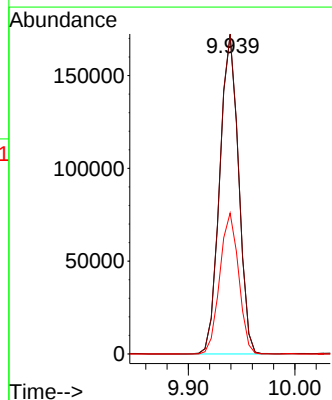
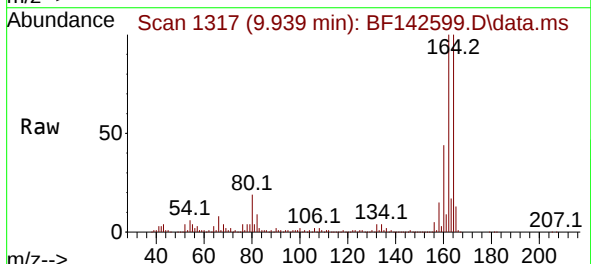
Instrument :
BNA_F
ClientSampleId :

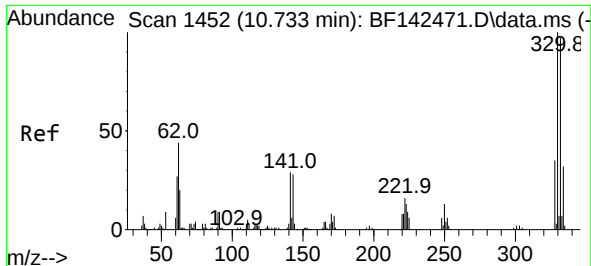
Tgt Ion:122 Resp: 56394
Ion Ratio Lower Upper
122 100
105 118.1 101.7 141.7
77 90.9 69.5 109.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

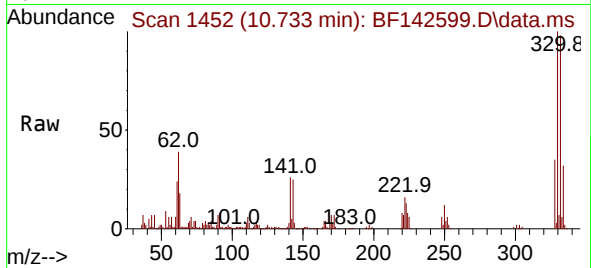
Tgt Ion:164 Resp: 209752
Ion Ratio Lower Upper
164 100
162 100.4 80.2 120.4
160 44.2 35.6 53.4



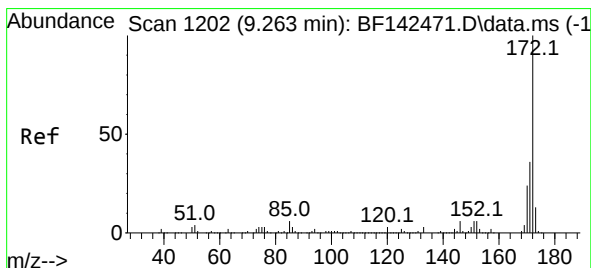
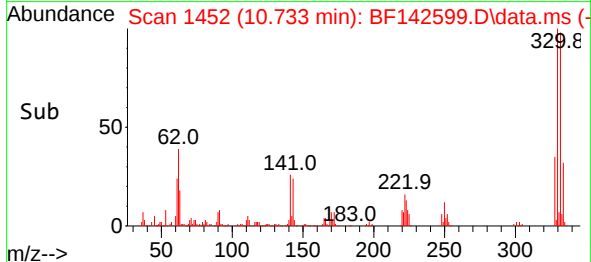
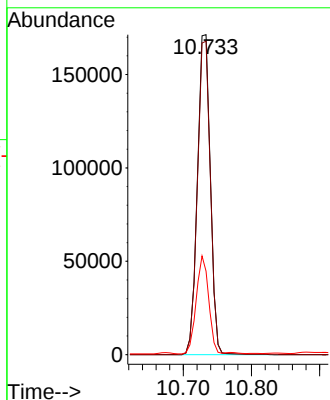


#42
2,4,6-Tribromophenol
Concen: 97.126 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :

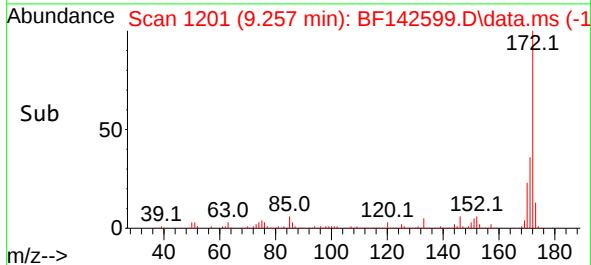
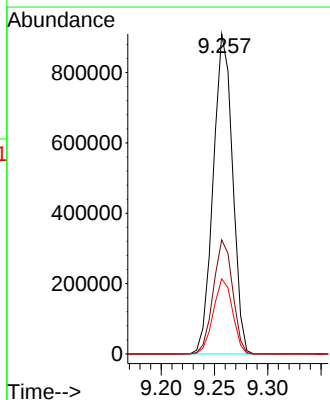
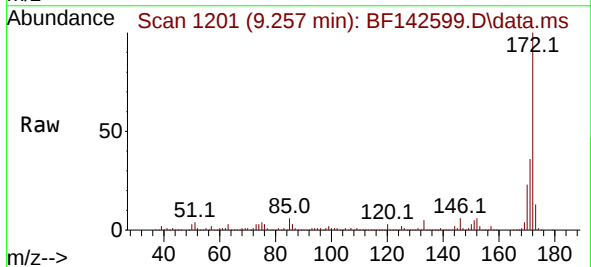


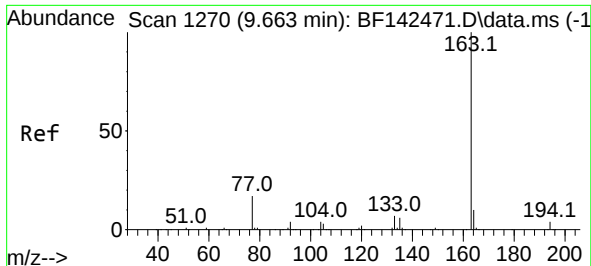
Tgt Ion:330 Resp: 226107
Ion Ratio Lower Upper
330 100
332 98.0 77.6 116.4
141 29.4 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 73.449 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

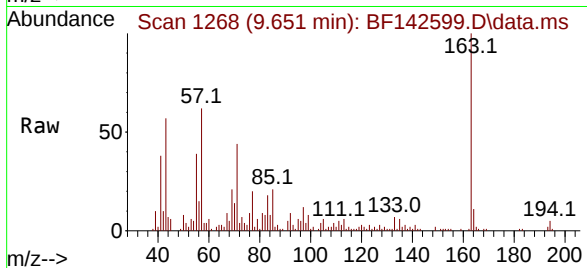
Tgt Ion:172 Resp: 1148116
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 23.5 18.9 28.3



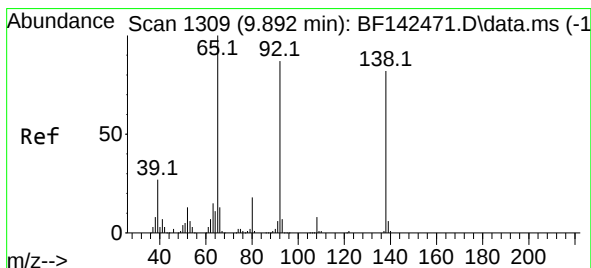
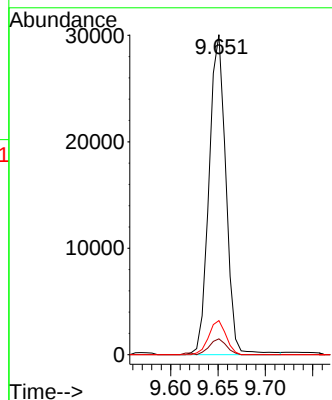
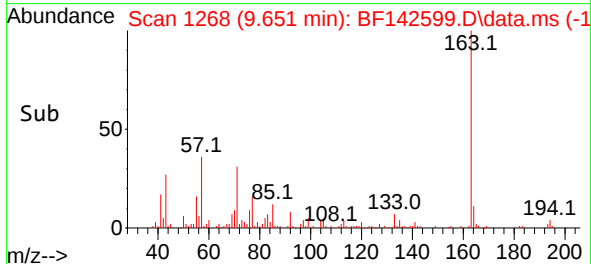


#50
Dimethylphthalate
Concen: 2.680 ng
RT: 9.651 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :

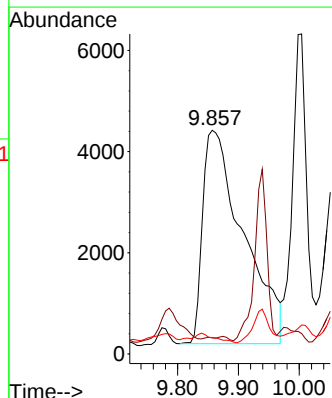
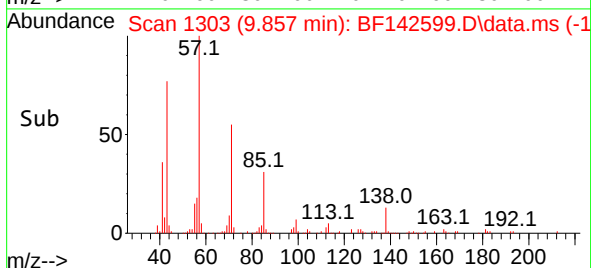
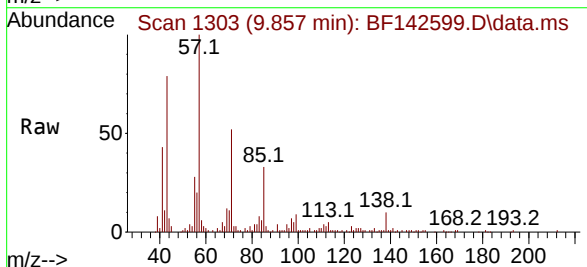


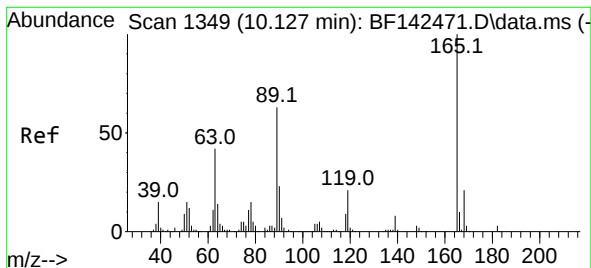
Tgt Ion:163 Resp: 37087
Ion Ratio Lower Upper
163 100
194 5.0 3.3 4.9#
164 10.7 8.2 12.4



#53
3-Nitroaniline
Concen: 6.001 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.041 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

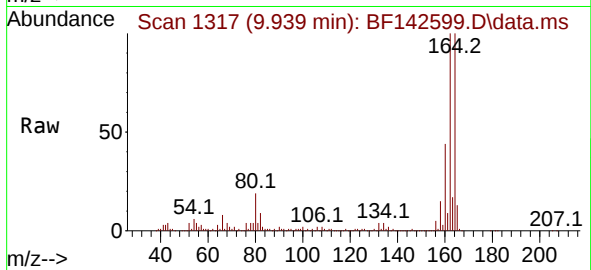
Tgt Ion:138 Resp: 19578
Ion Ratio Lower Upper
138 100
108 7.2 8.1 12.1#
92 7.2 85.2 127.8#



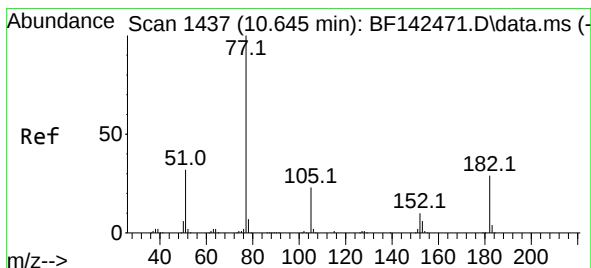
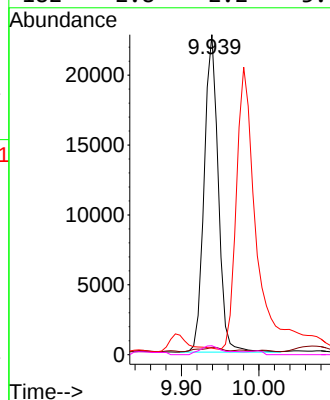
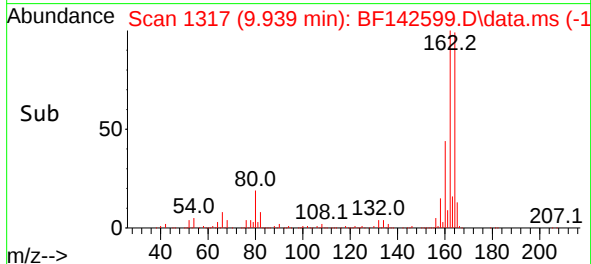


#57
2,4-Dinitrotoluene
Concen: 7.350 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

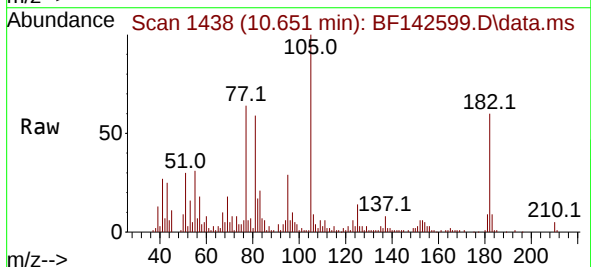
Instrument :
BNA_F
ClientSampleId :



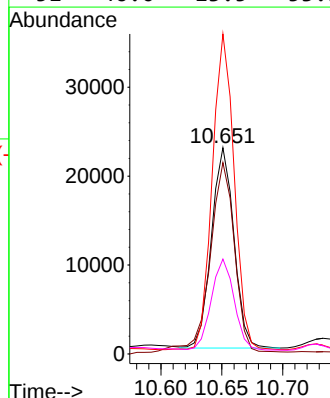
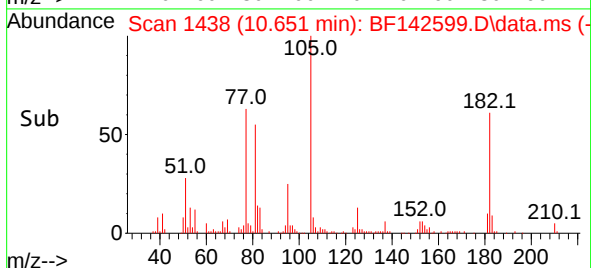
Tgt Ion:165 Resp: 28672
Ion Ratio Lower Upper
165 100
63 2.3 33.6 50.4#
89 2.0 50.2 75.4#
182 2.8 2.2 3.4

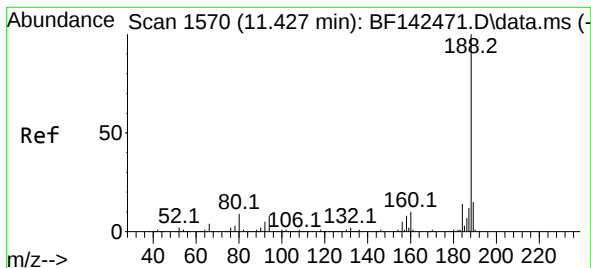


#63
Azobenzene
Concen: 2.386 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03



Tgt Ion: 77 Resp: 28966
Ion Ratio Lower Upper
77 100
182 92.8 9.0 49.0#
105 155.2 2.4 42.4#
51 46.0 13.5 53.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142599.D

Acq: 02 Jun 2025 16:03

Instrument :

BNA_F

ClientSampleId :

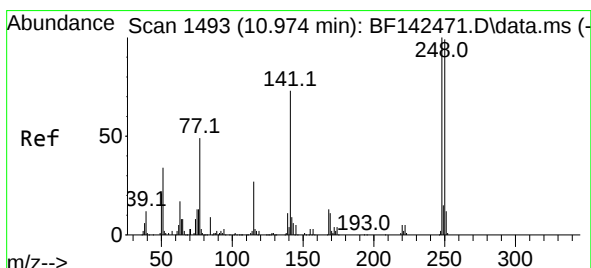
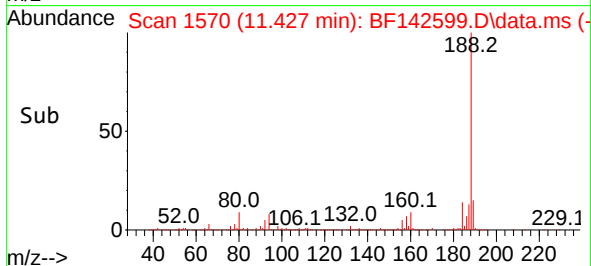
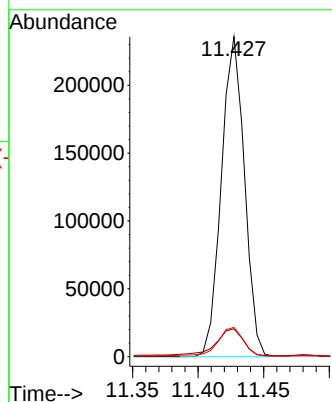
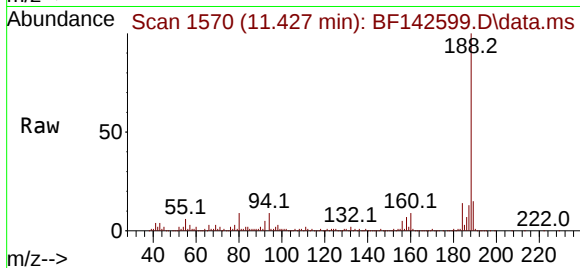
Tgt Ion:188 Resp: 288264

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.1 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 4.182 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.247 min

Lab File: BF142599.D

Acq: 02 Jun 2025 16:03

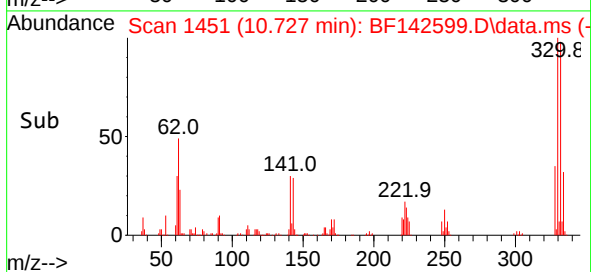
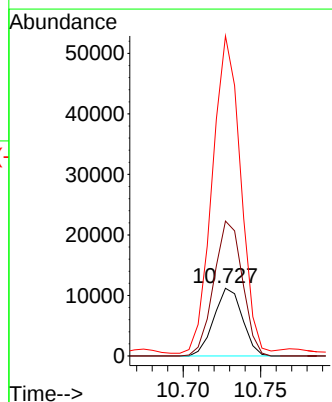
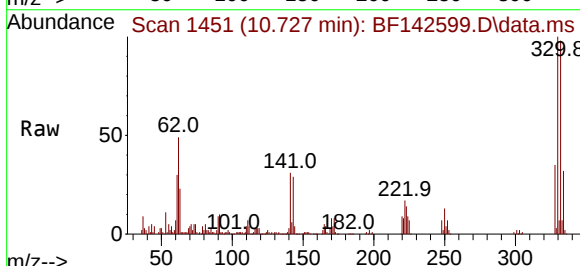
Tgt Ion:248 Resp: 14256

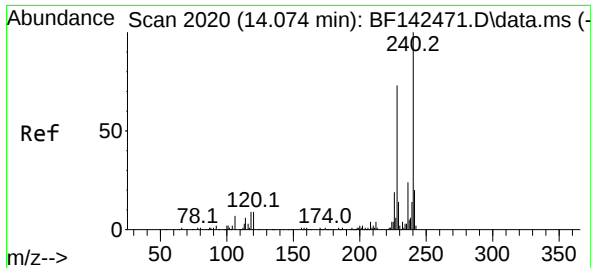
Ion Ratio Lower Upper

248 100

250 199.5 79.0 118.4#

141 473.2 58.4 87.6#

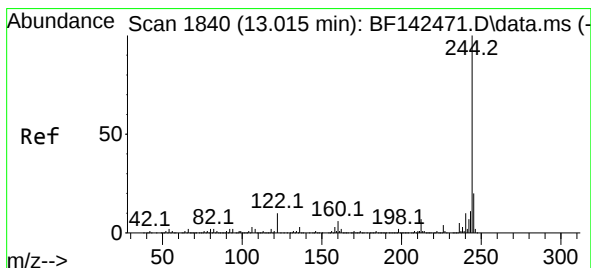
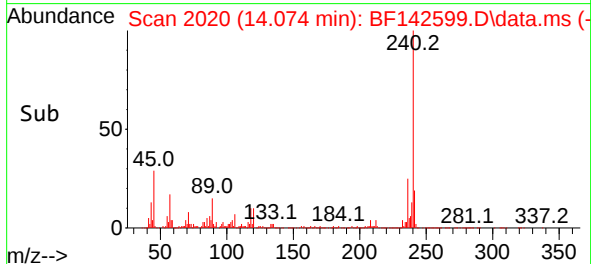
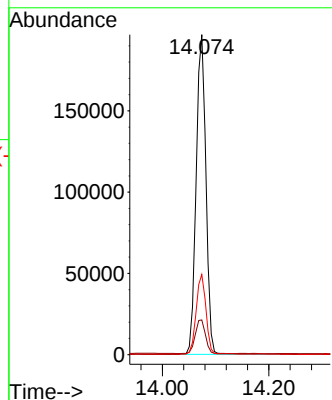
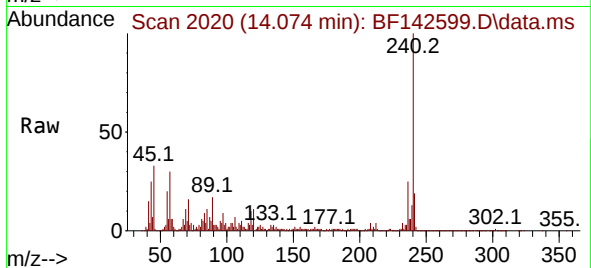




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

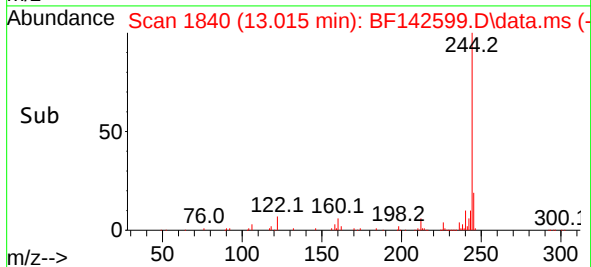
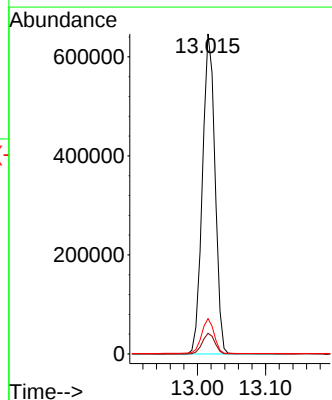
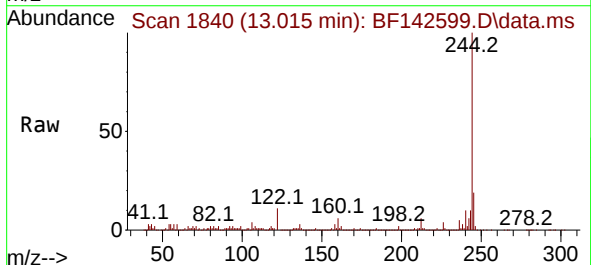
Instrument :
BNA_F
ClientSampleId :

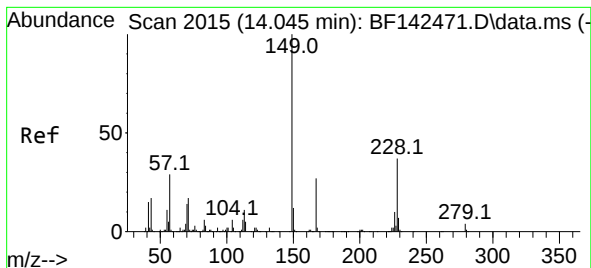
Tgt Ion:240 Resp: 250895
Ion Ratio Lower Upper
240 100
120 10.8 7.5 11.3
236 25.1 19.6 29.4



#79
Terphenyl-d14
Concen: 45.166 ng
RT: 13.015 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142599.D
Acq: 02 Jun 2025 16:03

Tgt Ion:244 Resp: 829246
Ion Ratio Lower Upper
244 100
212 6.5 5.3 7.9
122 11.0 8.2 12.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.062 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.000 min

Lab File: BF142599.D

Acq: 02 Jun 2025 16:03

Instrument :

BNA_F

ClientSampleId :

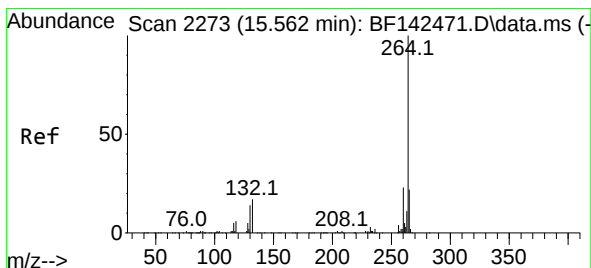
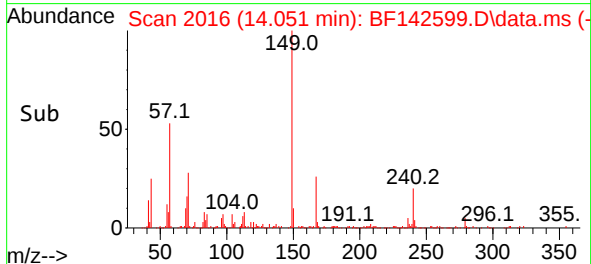
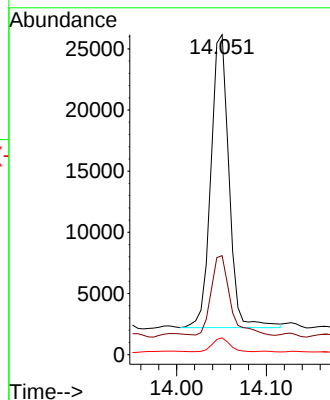
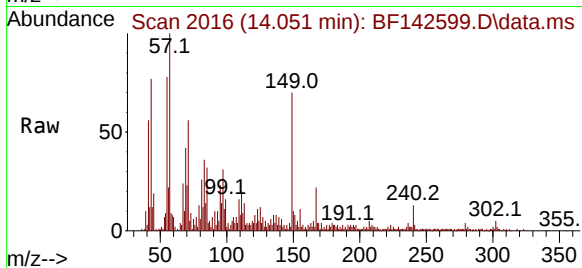
Tgt Ion:149 Resp: 33631

Ion Ratio Lower Upper

149 100

167 31.0 21.5 32.3

279 5.2 3.2 4.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF142599.D

Acq: 02 Jun 2025 16:03

Tgt Ion:264 Resp: 269491

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.8 17.7 26.5

