

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143102.D
 Acq On : 15 Jul 2025 17:57
 Operator : RC/JU
 Sample : PB168737BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168737BL

Quant Time: Jul 15 18:31:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

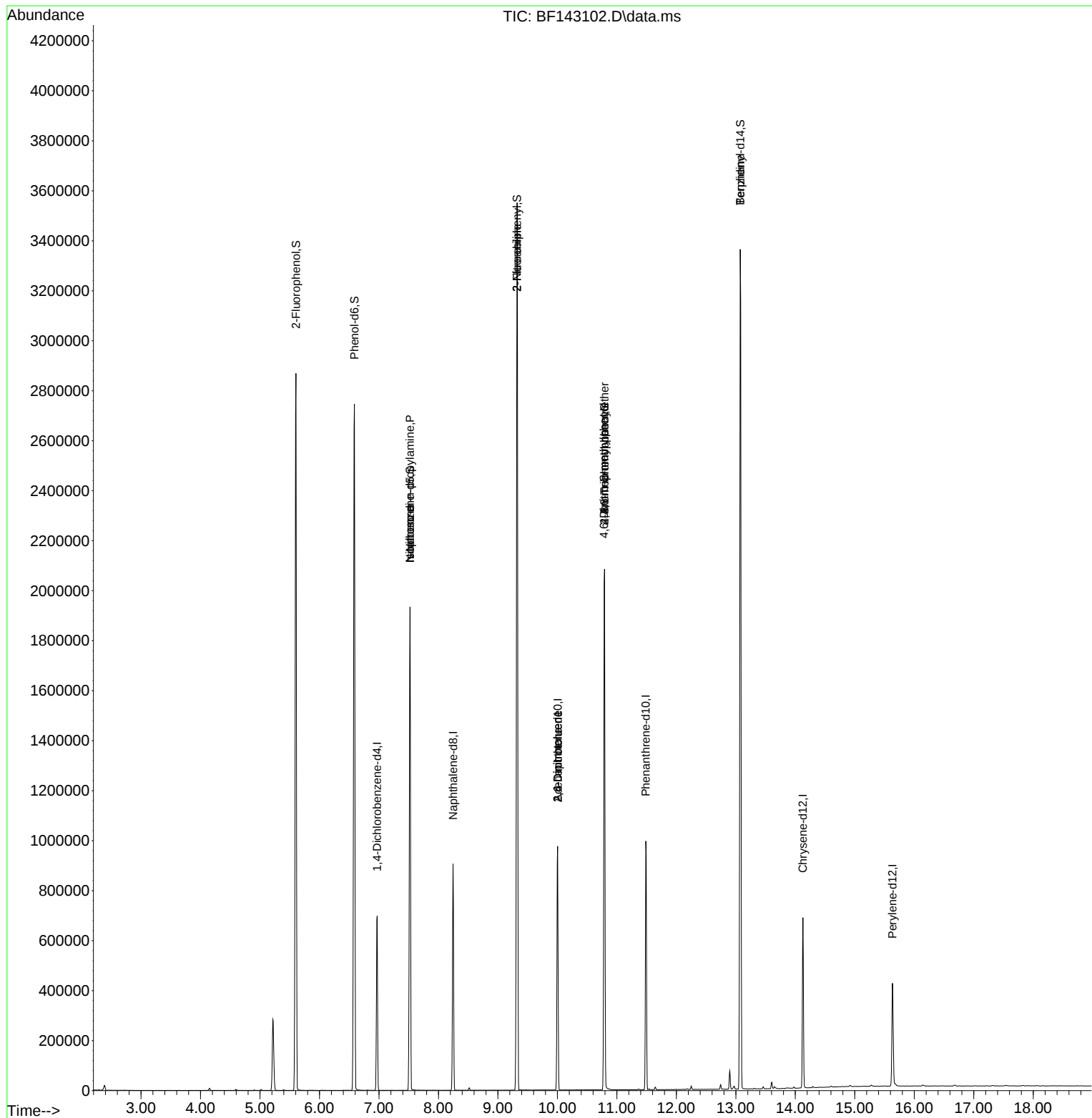
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	145621	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	564971	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	287589	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	502532	20.000	ng	0.00
76) Chrysene-d12	14.127	240	316249	20.000	ng	0.00
86) Perylene-d12	15.633	264	240012	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	1132866	122.912	ng	0.02
7) Phenol-d6	6.587	99	1435215	123.879	ng	0.00
23) Nitrobenzene-d5	7.522	82	883004	87.677	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	381768	148.879	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1643496	75.965	ng	0.00
79) Terphenyl-d14	13.074	244	1688559	78.051	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	120349	16.956	ng	# 79
25) Isophorone	7.522	82	879398	45.176	ng	# 65
48) 2-Nitroaniline	9.322	65	2811	3.697	ng	# 1
51) 2,6-Dinitrotoluene	10.004	165	36254	12.346	ng	# 17
57) 2,4-Dinitrotoluene	10.004	165	36254	10.944	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	654	5.827	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	23031	4.030	ng	# 1
77) Benzidine	13.074	184	21608	2.006	ng	# 97

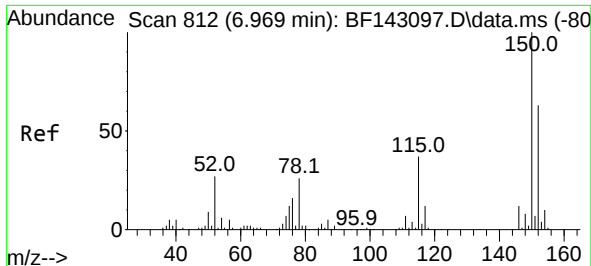
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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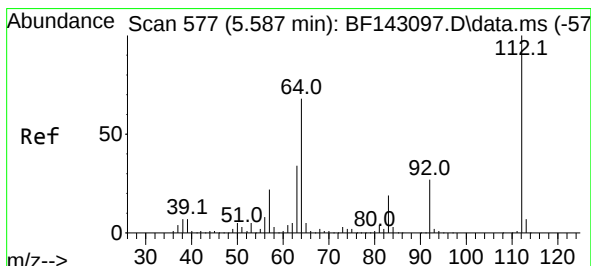
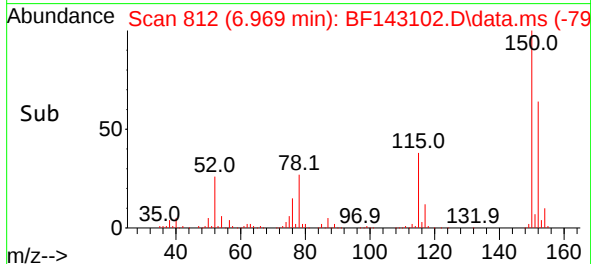
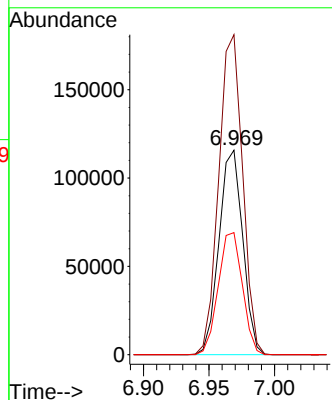
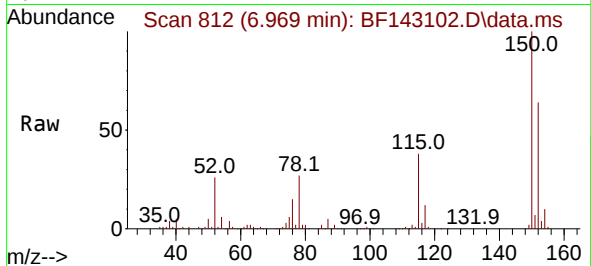




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

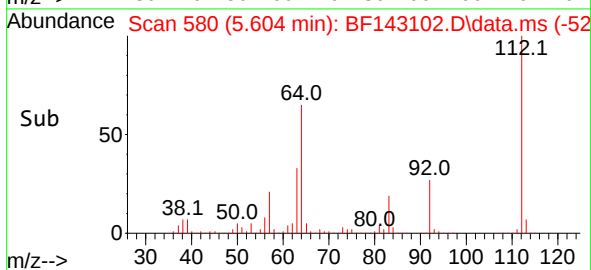
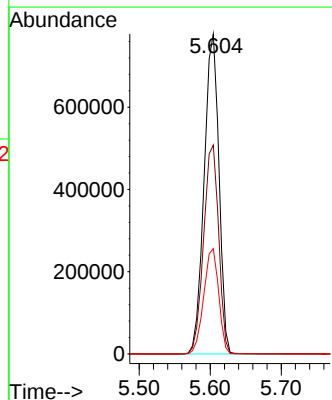
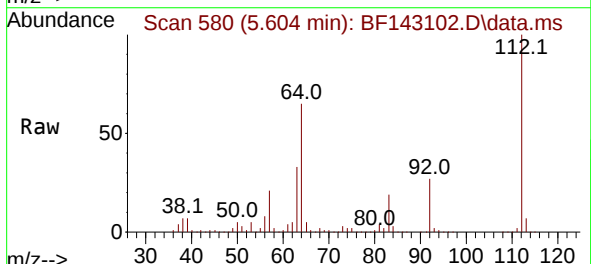
Instrument :
BNA_F
ClientSampleId :
PB168737BL

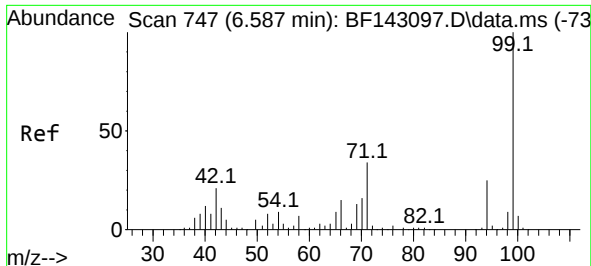
Tgt Ion:152 Resp: 145621
Ion Ratio Lower Upper
152 100
150 156.5 126.5 189.7
115 59.7 47.0 70.6



#5
2-Fluorophenol
Concen: 122.912 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

Tgt Ion:112 Resp: 1132866
Ion Ratio Lower Upper
112 100
64 65.3 54.6 82.0
63 32.9 27.3 40.9

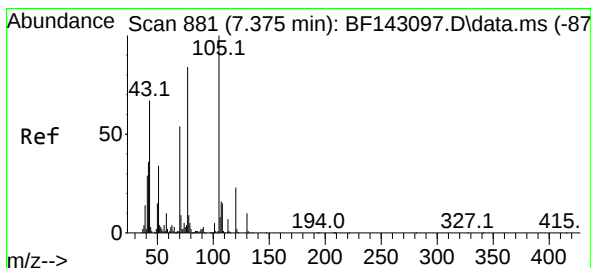
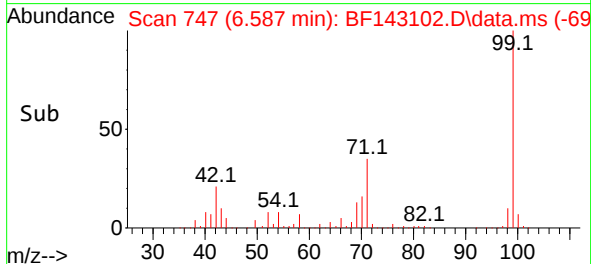
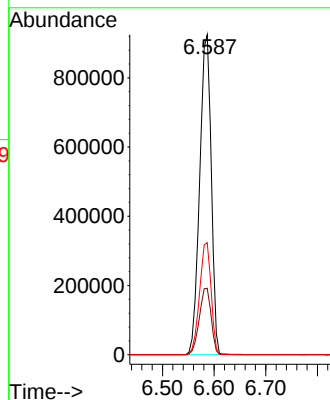
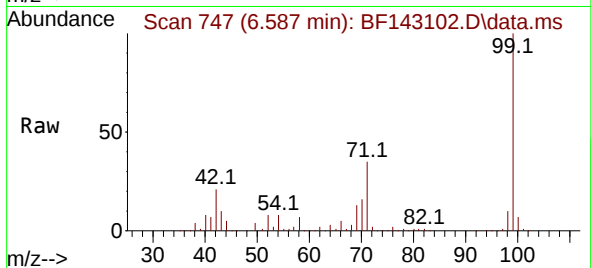




#7
Phenol-d6
Concen: 123.879 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

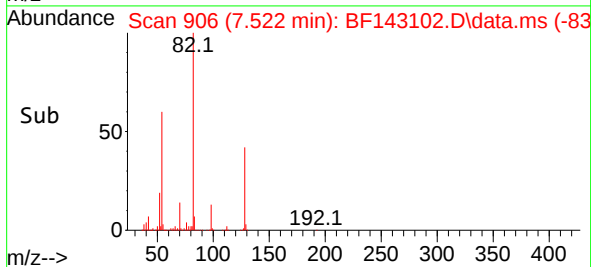
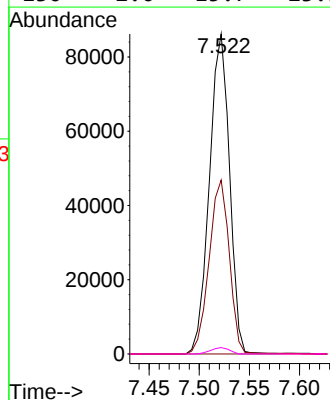
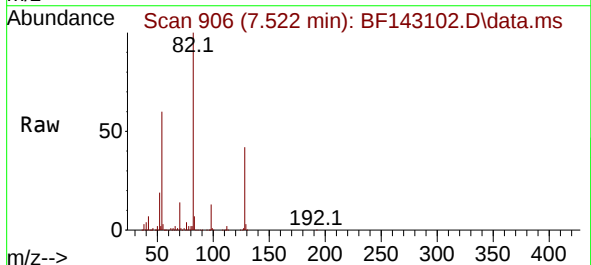
Instrument :
BNA_F
ClientSampleId :
PB168737BL

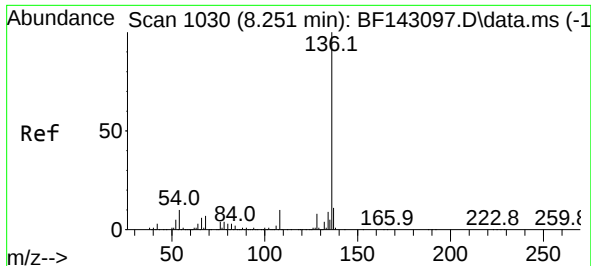
Tgt Ion: 99 Resp: 1435215
Ion Ratio Lower Upper
99 100
42 20.8 17.2 25.8
71 35.0 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.956 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

Tgt Ion: 70 Resp: 120349
Ion Ratio Lower Upper
70 100
42 54.4 53.2 79.8
101 0.0 7.5 11.3#
130 2.0 15.7 23.5#

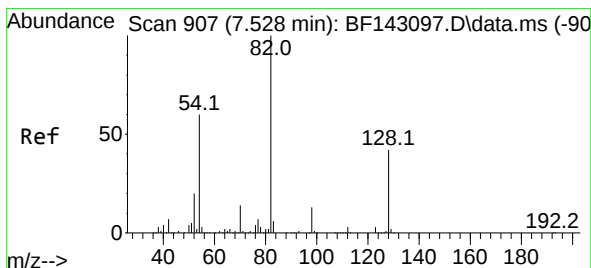
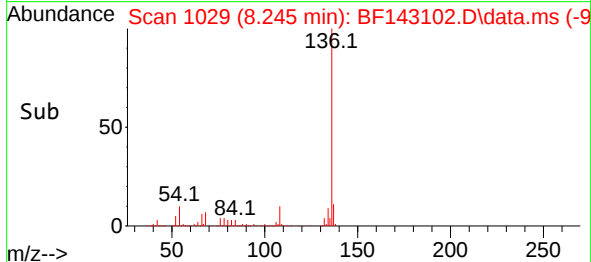
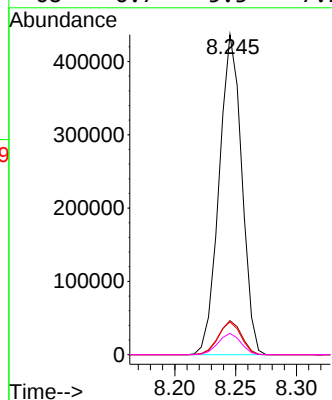
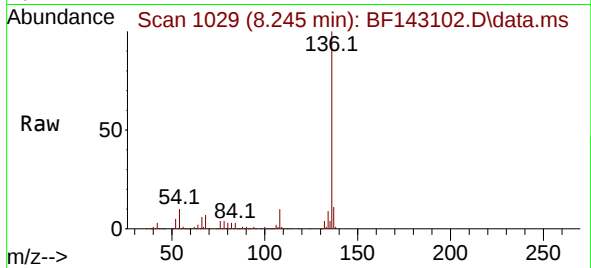




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

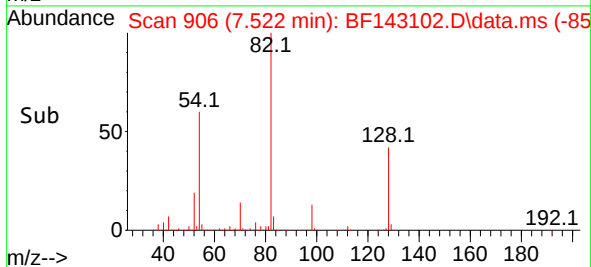
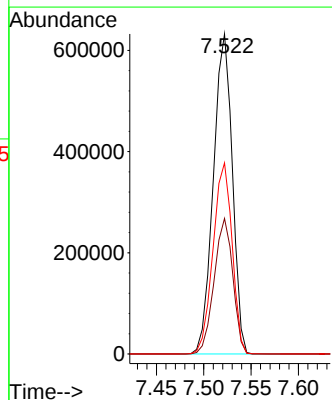
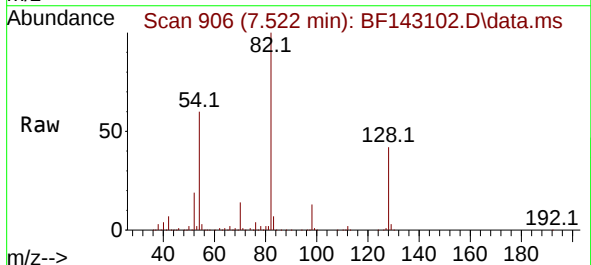
Instrument :
BNA_F
ClientSampleId :
PB168737BL

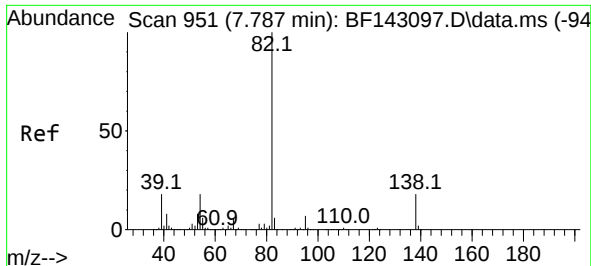
Tgt Ion:	136	Resp:	564971
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	10.3	8.3	12.5
68	6.7	5.3	7.9



#23
Nitrobenzene-d5
Concen: 87.677 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

Tgt Ion:	82	Resp:	883004
Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.3	49.9
54	59.7	47.4	71.2

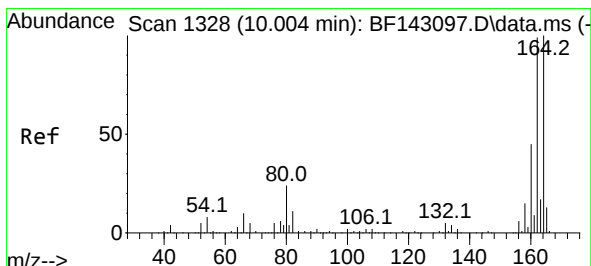
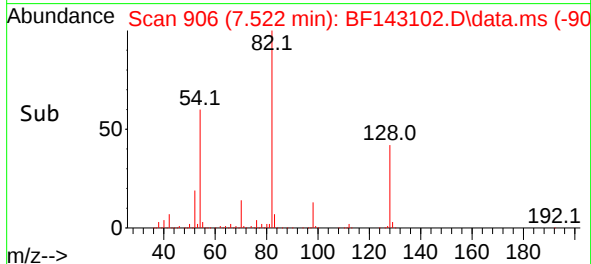
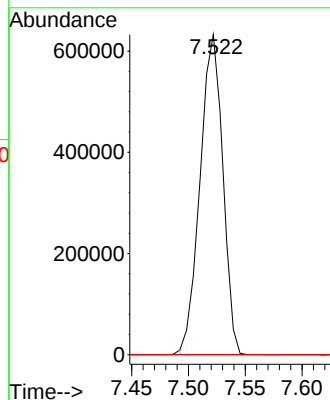
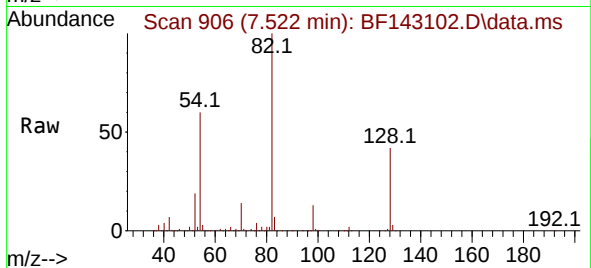




#25
Isophorone
Concen: 45.176 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.265 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

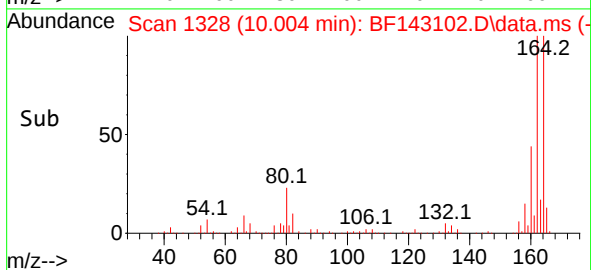
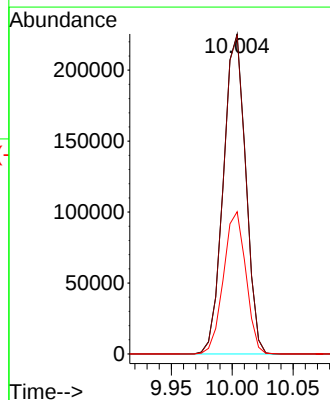
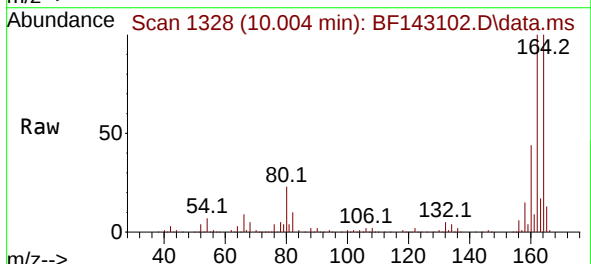
Instrument :
BNA_F
ClientSampleId :
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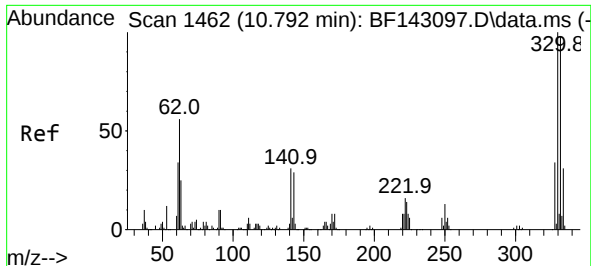
Tgt Ion: 82 Resp: 879398
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

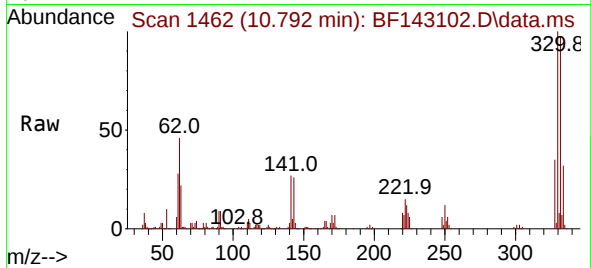
Tgt Ion:164 Resp: 287589
Ion Ratio Lower Upper
164 100
162 99.5 79.0 118.6
160 44.5 35.8 53.6



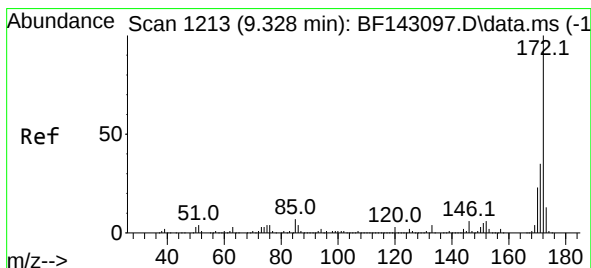
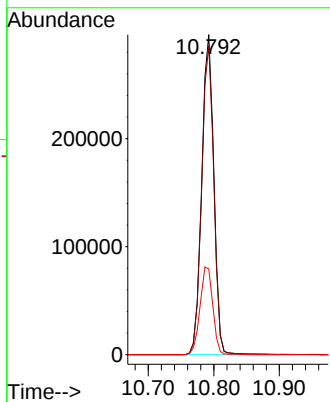
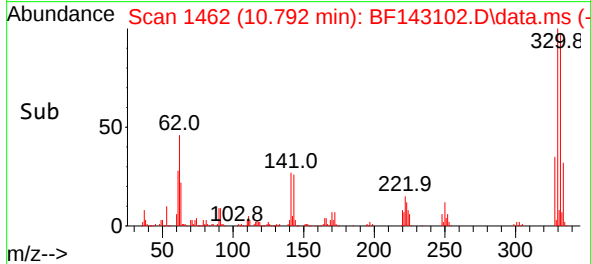


#42
2,4,6-Tribromophenol
Concen: 148.879 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

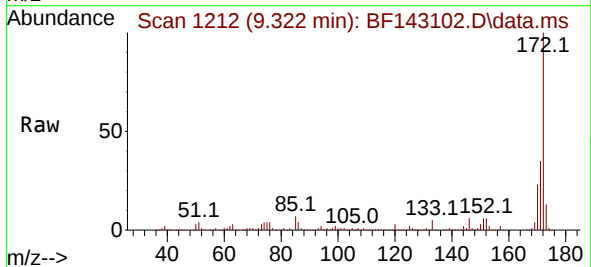
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ClientSampleId :
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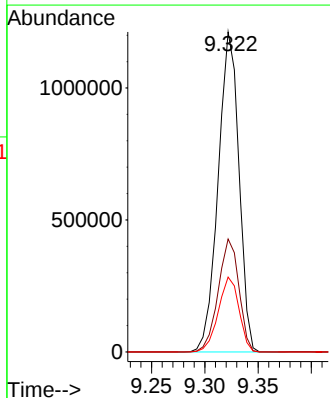
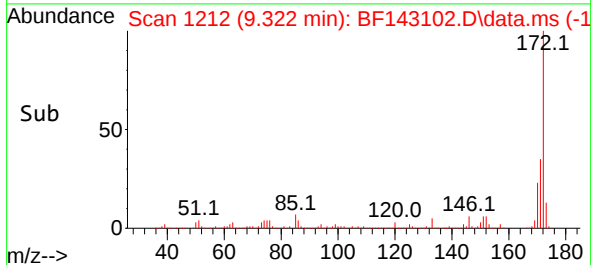
Tgt Ion:330 Resp: 381768
Ion Ratio Lower Upper
330 100
332 96.7 77.9 116.9
141 29.0 25.9 38.9

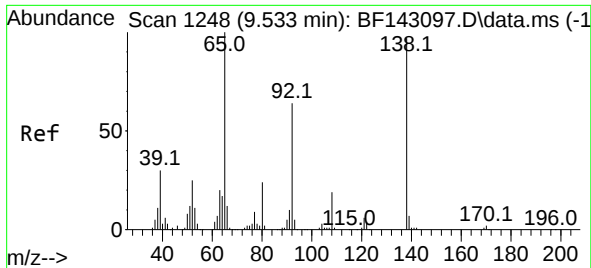


#45
2-Fluorobiphenyl
Concen: 75.965 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57



Tgt Ion:172 Resp: 1643496
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.4 18.6 28.0

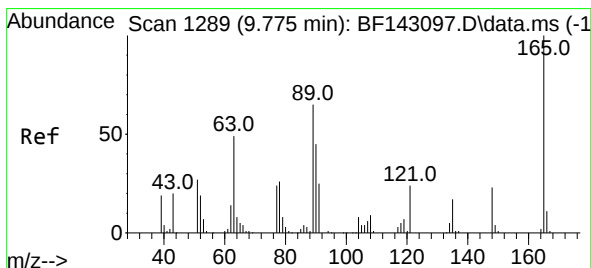
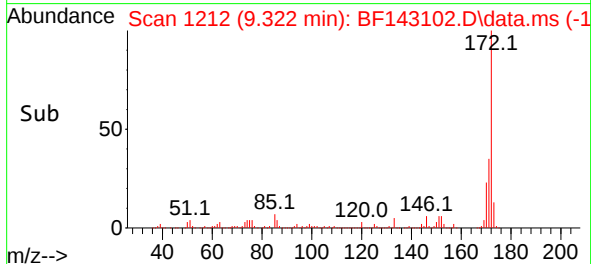
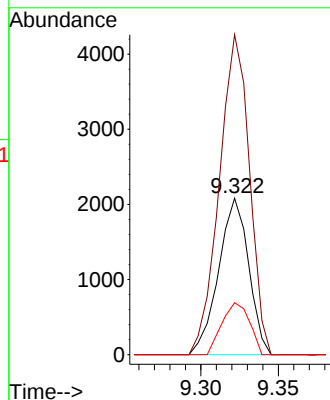
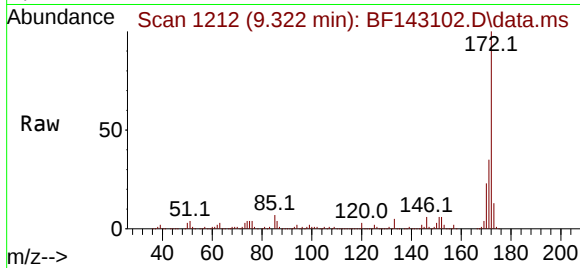




#48
2-Nitroaniline
Concen: 3.697 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.211 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

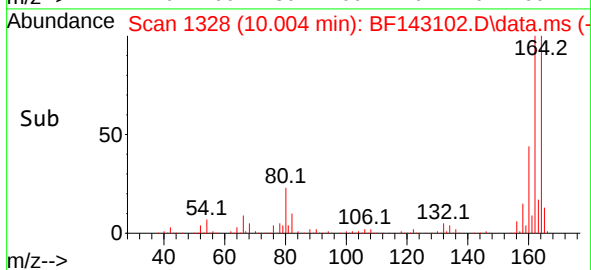
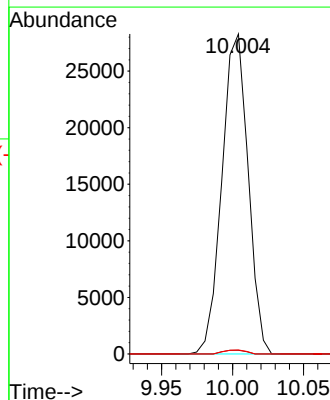
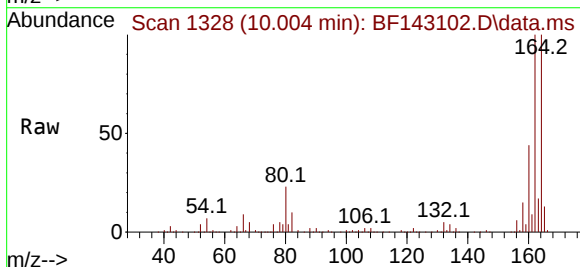
Instrument :
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ClientSampleId :
PB168737BL

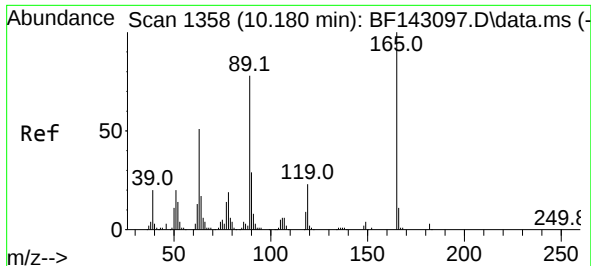
Tgt Ion: 65 Resp: 2811
Ion Ratio Lower Upper
65 100
92 204.5 51.3 76.9#
138 33.2 77.8 116.6#



#51
2,6-Dinitrotoluene
Concen: 12.346 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.229 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

Tgt Ion:165 Resp: 36254
Ion Ratio Lower Upper
165 100
63 1.1 57.4 86.0#
89 1.2 51.8 77.8#

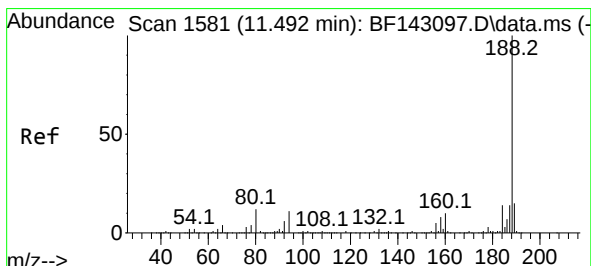
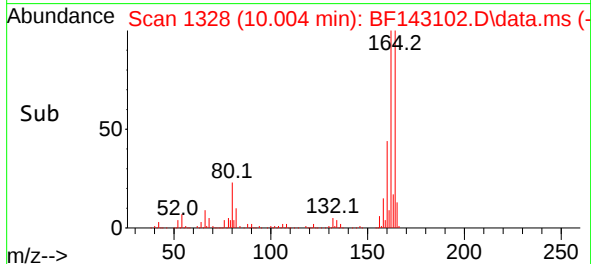
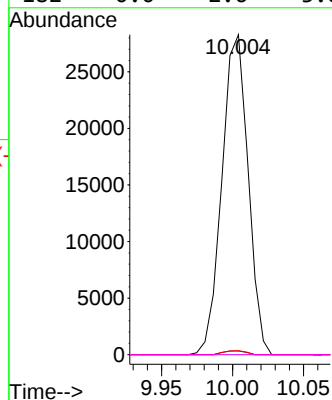
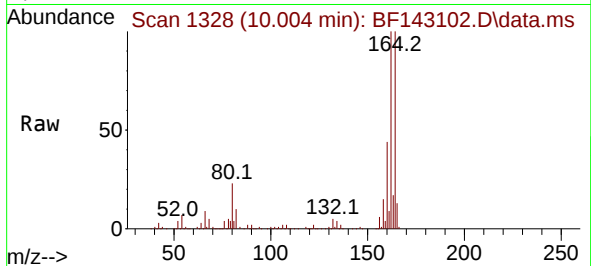




#57
2,4-Dinitrotoluene
Concen: 10.944 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

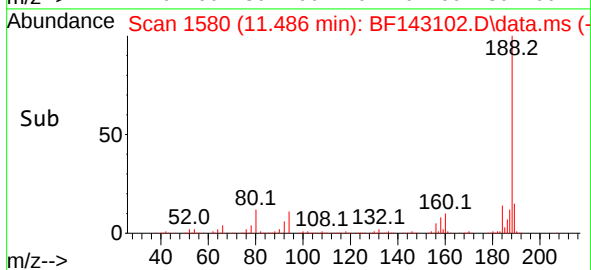
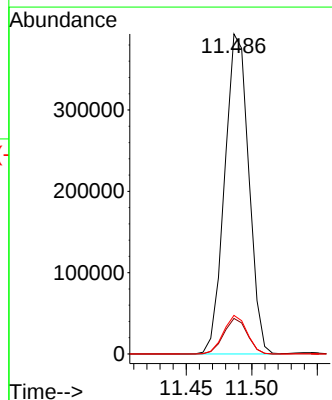
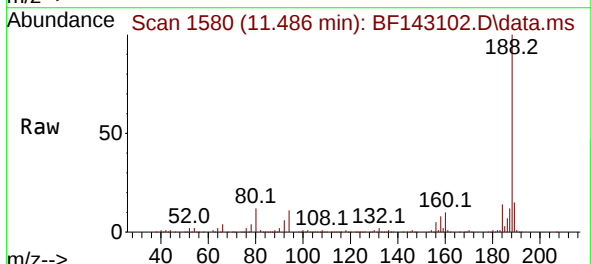
Instrument :
BNA_F
ClientSampleId :
PB168737BL

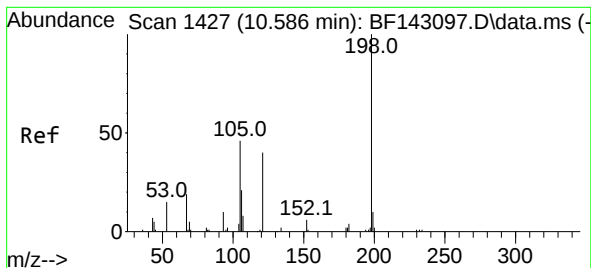
Tgt Ion:165 Resp: 36254
Ion Ratio Lower Upper
165 100
63 1.1 40.6 61.0#
89 1.2 62.3 93.5#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

Tgt Ion:188 Resp: 502532
Ion Ratio Lower Upper
188 100
94 11.1 8.6 13.0
80 12.0 9.3 13.9

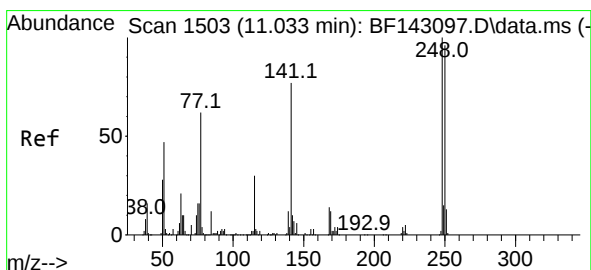
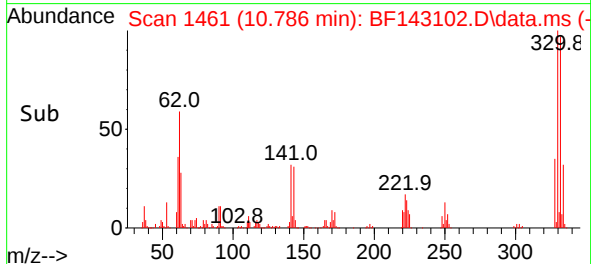
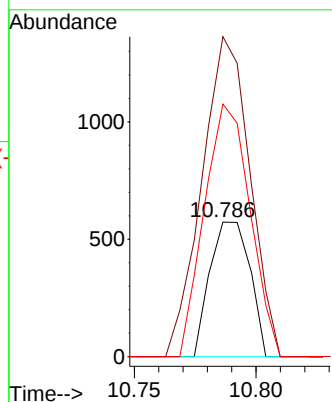
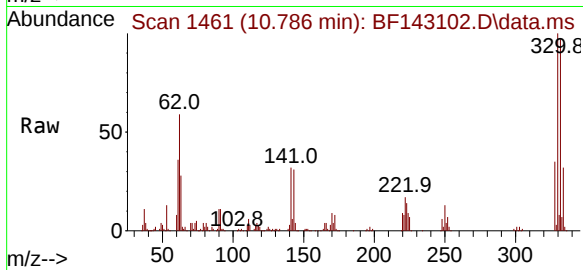




#65
4,6-Dinitro-2-methylphenol
Concen: 5.827 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

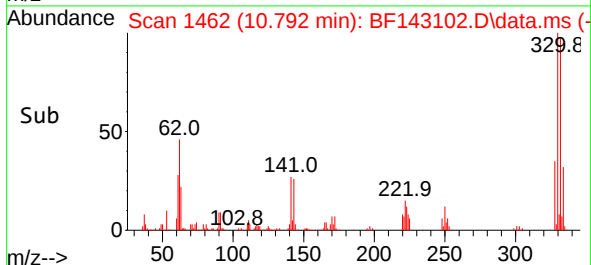
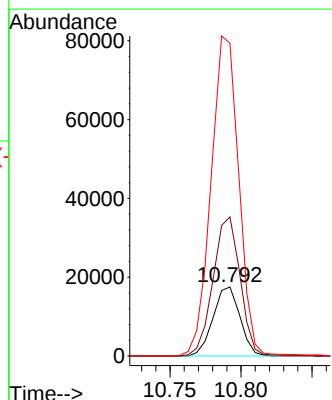
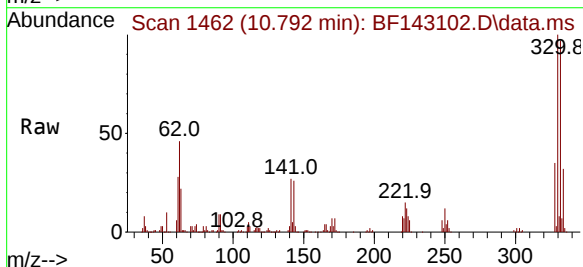
Instrument :
BNA_F
ClientSampleId :
PB168737BL

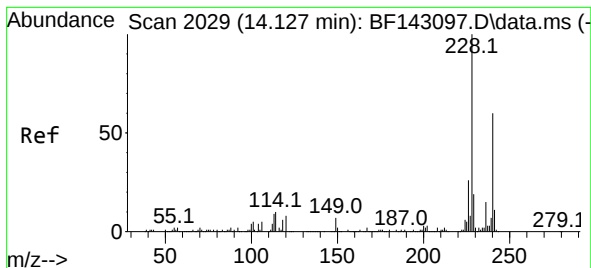
Tgt Ion:198 Resp: 654
Ion Ratio Lower Upper
198 100
51 237.9 44.6 84.6#
105 187.8 29.3 69.3#



#67
4-Bromophenyl-phenylether
Concen: 4.030 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.241 min
Lab File: BF143102.D
Acq: 15 Jul 2025 17:57

Tgt Ion:248 Resp: 23031
Ion Ratio Lower Upper
248 100
250 201.4 76.7 115.1#
141 453.1 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143102.D

Acq: 15 Jul 2025 17:57

Instrument :

BNA_F

ClientSampleId :

PB168737BL

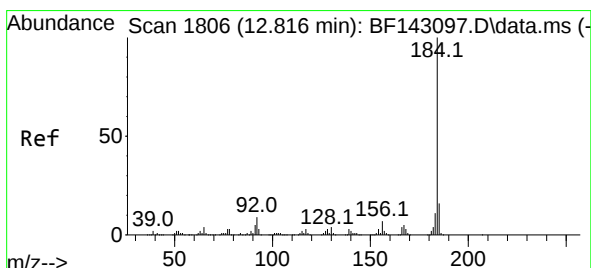
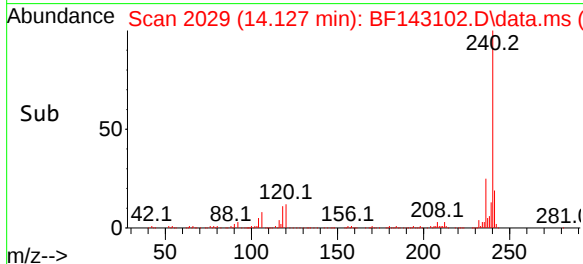
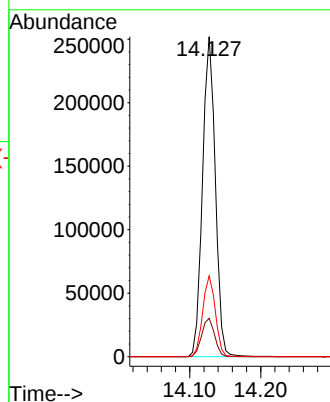
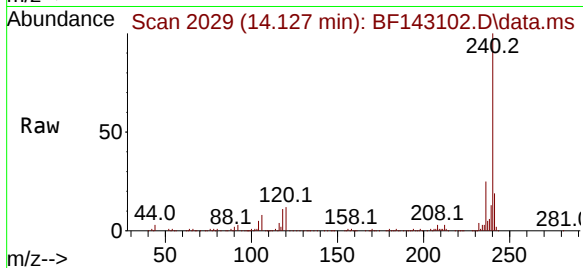
Tgt Ion:240 Resp: 316249

Ion Ratio Lower Upper

240 100

120 12.0 10.0 15.0

236 25.2 20.0 30.0



#77

Benzidine

Concen: 2.006 ng

RT: 13.074 min Scan# 1850

Delta R.T. 0.259 min

Lab File: BF143102.D

Acq: 15 Jul 2025 17:57

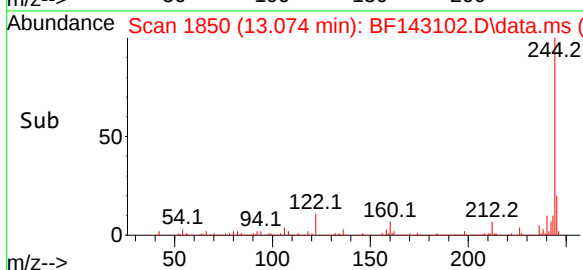
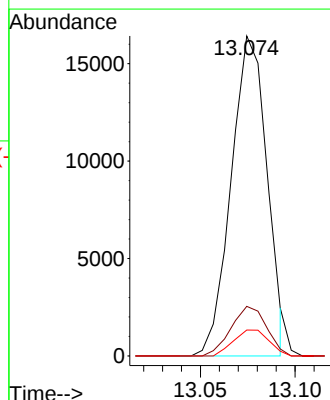
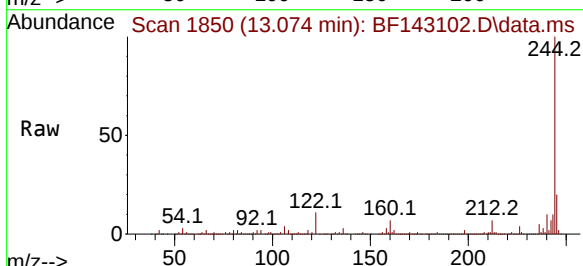
Tgt Ion:184 Resp: 21608

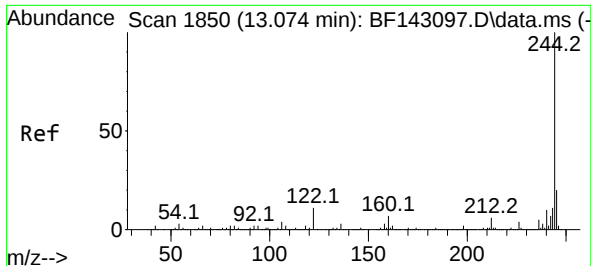
Ion Ratio Lower Upper

184 100

185 15.5 12.4 18.6

183 8.1 8.6 12.8#

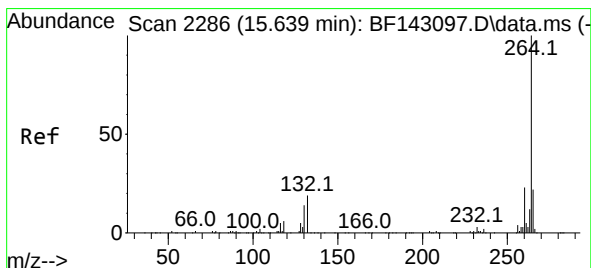
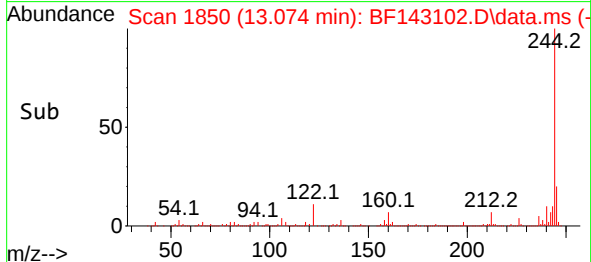
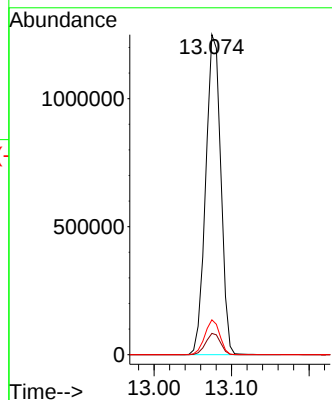
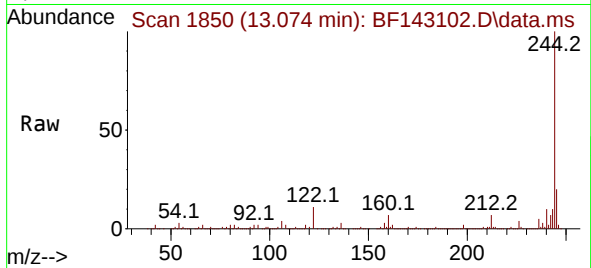




#79
 Terphenyl-d14
 Concen: 78.051 ng
 RT: 13.074 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: BF143102.D
 Acq: 15 Jul 2025 17:57

Instrument :
 BNA_F
 ClientSampleId :
 PB168737BL

Tgt Ion:244 Resp: 1688559
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 10.9 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 2285
 Delta R.T. -0.006 min
 Lab File: BF143102.D
 Acq: 15 Jul 2025 17:57

Tgt Ion:264 Resp: 240012
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.5 27.7
 265 22.0 17.5 26.3

