

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143105.D
 Acq On : 16 Jul 2025 10:34
 Operator : RC/JU
 Sample : PB168787BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168787BL

Quant Time: Jul 16 11:20:48 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)

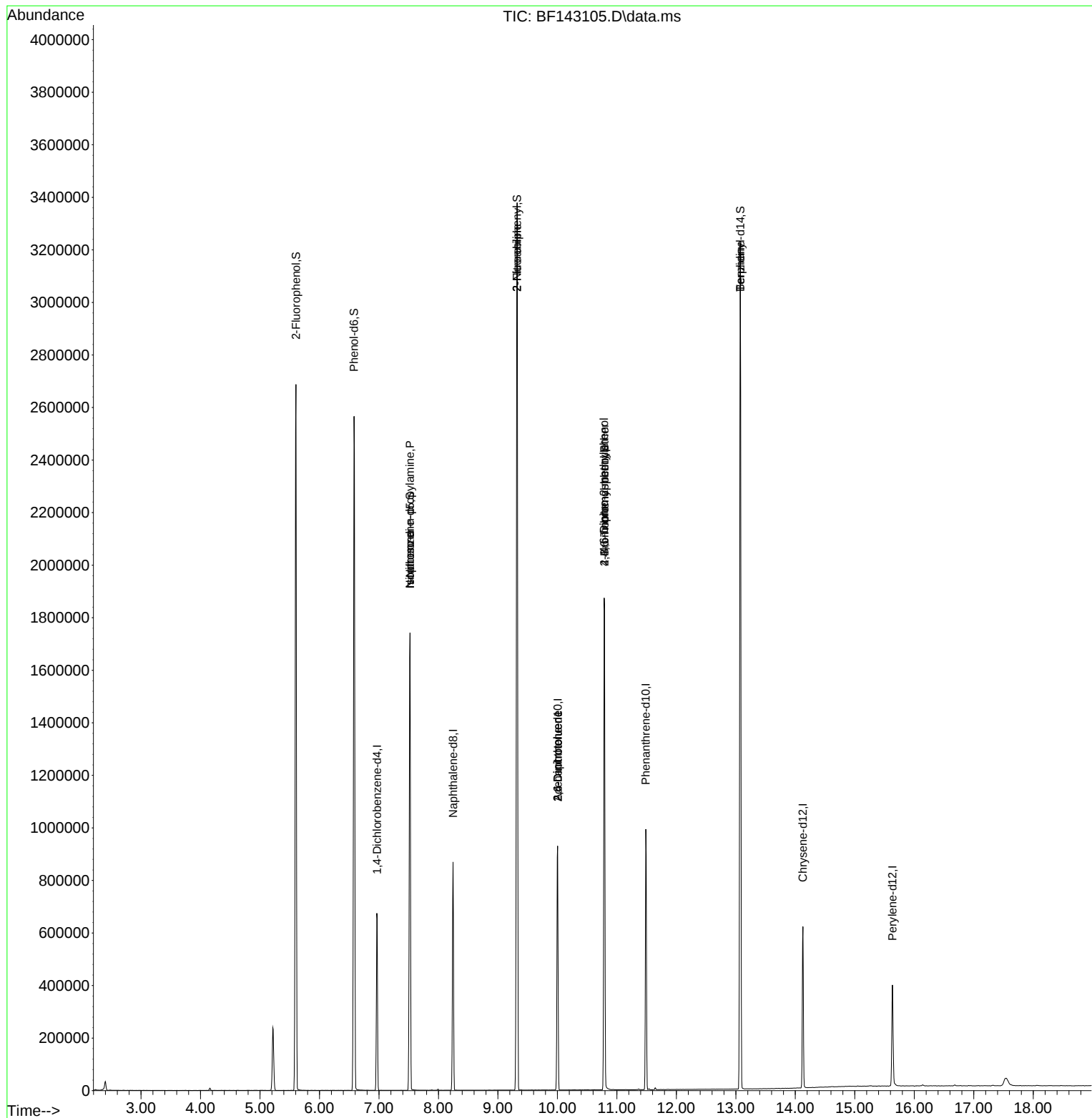
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	139471	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	541806	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	277829	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	492930	20.000	ng	0.00
76) Chrysene-d12	14.127	240	288446	20.000	ng	0.00
86) Perylene-d12	15.633	264	222395	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	1028610	116.521	ng	0.02
7) Phenol-d6	6.581	99	1289267	116.189	ng	0.00
23) Nitrobenzene-d5	7.522	82	819565	84.857	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	336287	135.749	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1566437	74.947	ng	0.00
79) Terphenyl-d14	13.074	244	1560467	79.083	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	109645	16.129	ng	# 78
25) Isophorone	7.522	82	814776	43.646	ng	# 65
48) 2-Nitroaniline	9.322	65	2546	3.665	ng	# 1
51) 2,6-Dinitrotoluene	10.004	165	35726	12.537	ng	# 17
57) 2,4-Dinitrotoluene	10.004	165	35726	11.096	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	645	5.829	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	20221	3.607	ng	# 1
77) Benzidine	13.074	184	19766	2.011	ng	# 95

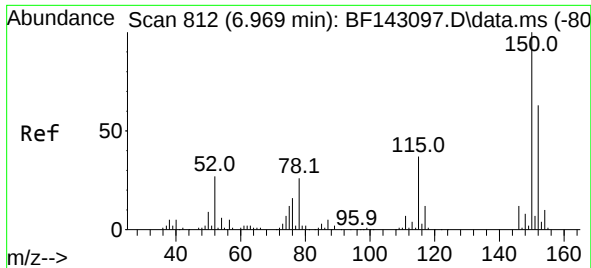
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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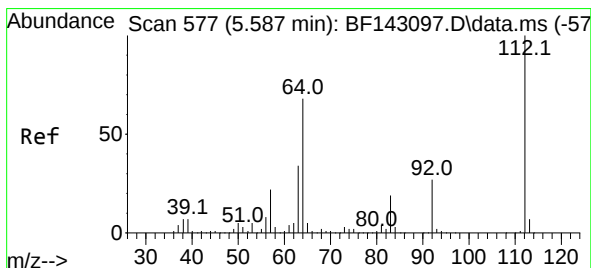
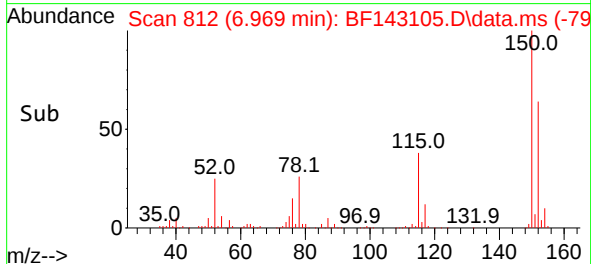
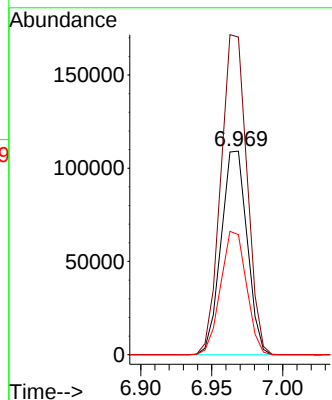
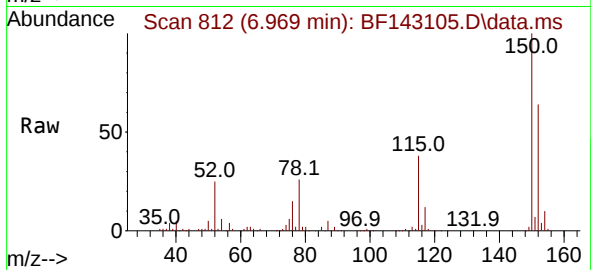




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

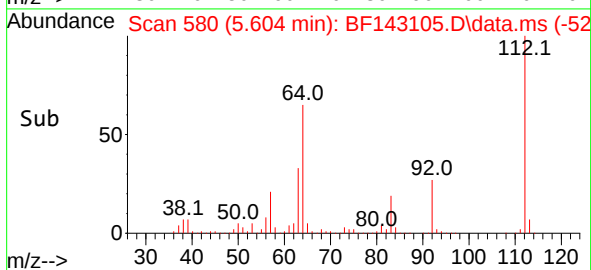
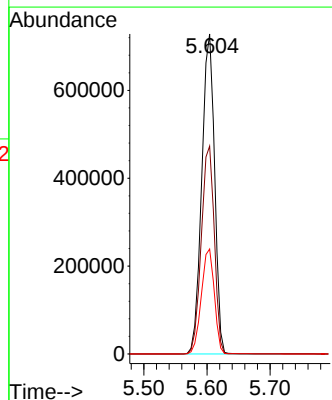
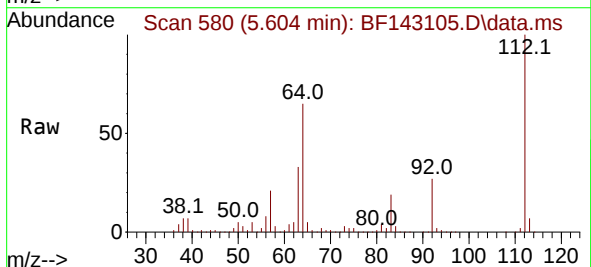
Instrument :
BNA_F
ClientSampleId :
PB168787BL

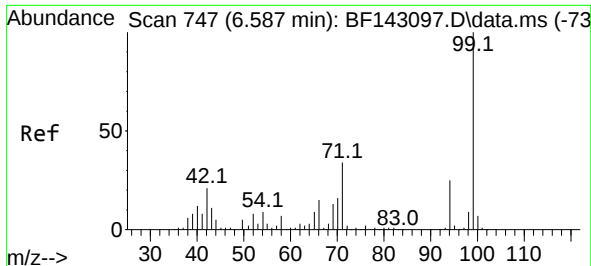
Tgt Ion:152 Resp: 139471
Ion Ratio Lower Upper
152 100
150 156.0 126.5 189.7
115 59.0 47.0 70.6



#5
2-Fluorophenol
Concen: 116.521 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.017 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

Tgt Ion:112 Resp: 1028610
Ion Ratio Lower Upper
112 100
64 65.0 54.6 82.0
63 32.8 27.3 40.9

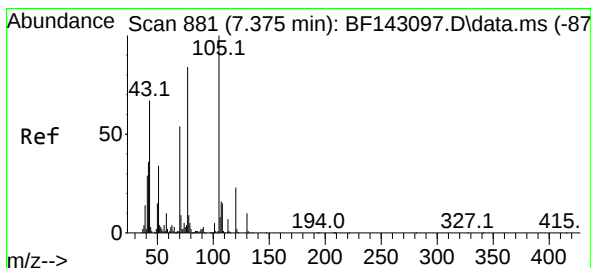
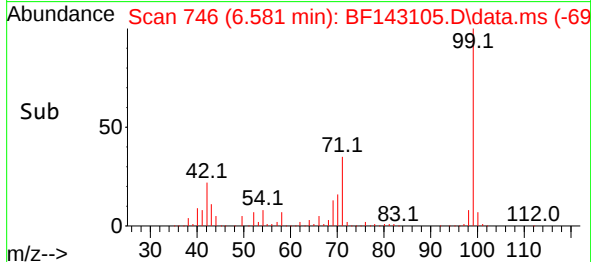
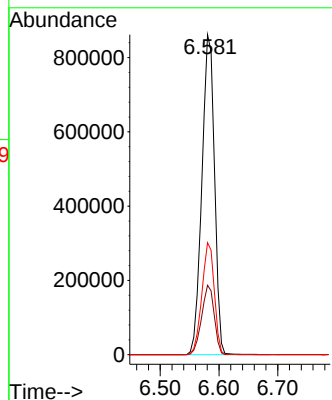
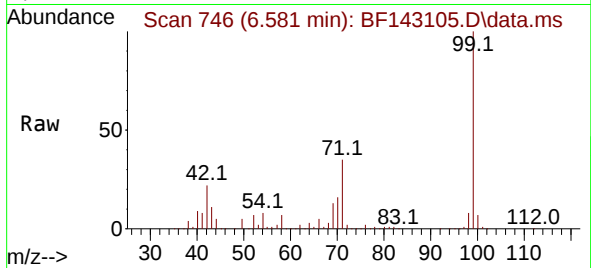




#7
Phenol-d6
Concen: 116.189 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

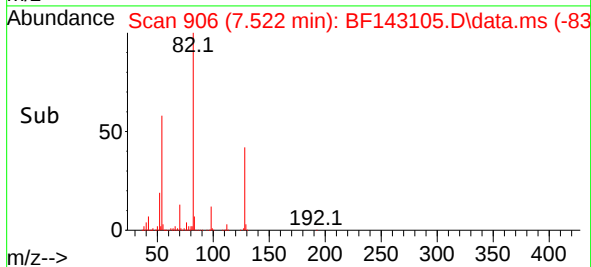
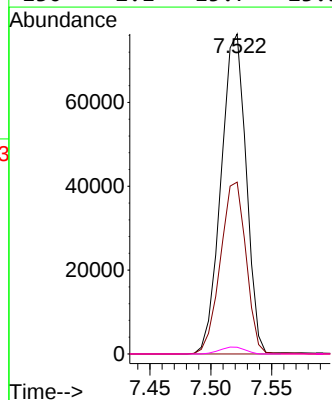
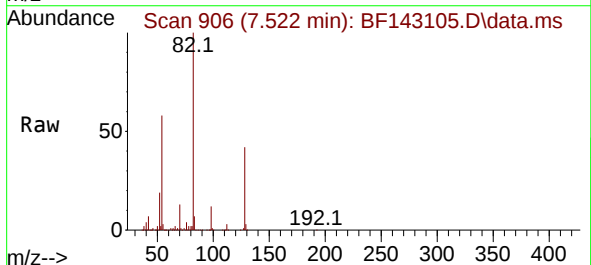
Instrument :
BNA_F
ClientSampleId :
PB168787BL

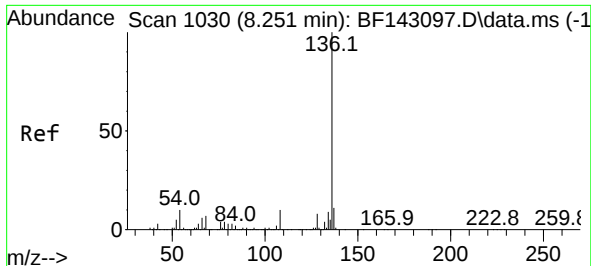
Tgt Ion: 99 Resp: 1289267
Ion Ratio Lower Upper
99 100
42 21.7 17.2 25.8
71 35.0 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.129 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

Tgt Ion: 70 Resp: 109645
Ion Ratio Lower Upper
70 100
42 53.7 53.2 79.8
101 0.0 7.5 11.3#
130 2.1 15.7 23.5#

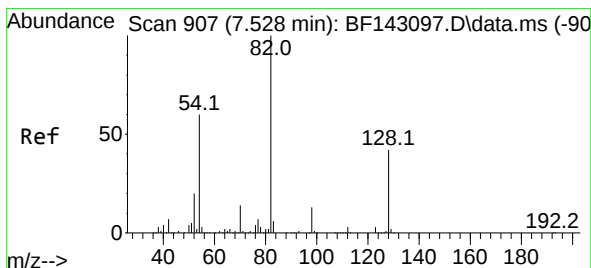
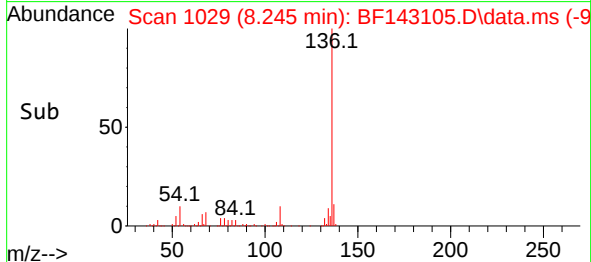
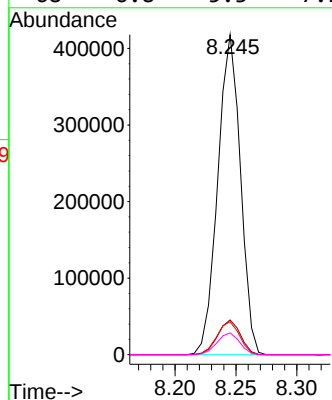
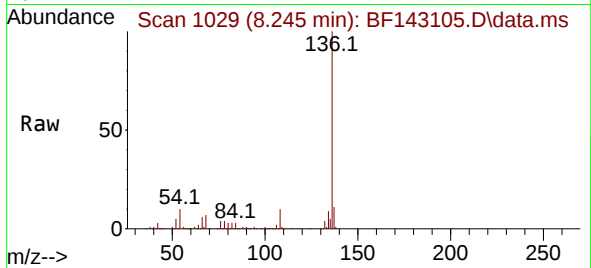




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

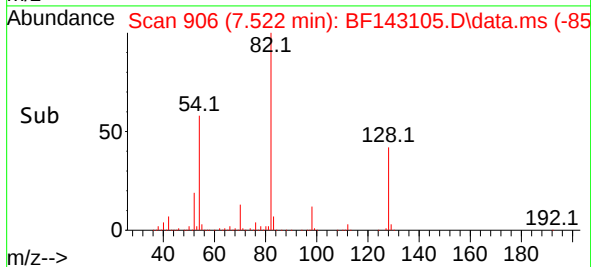
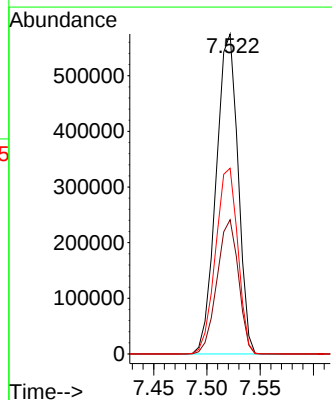
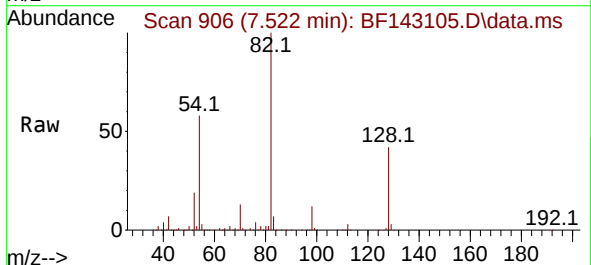
Instrument :
BNA_F
ClientSampleId :
PB168787BL

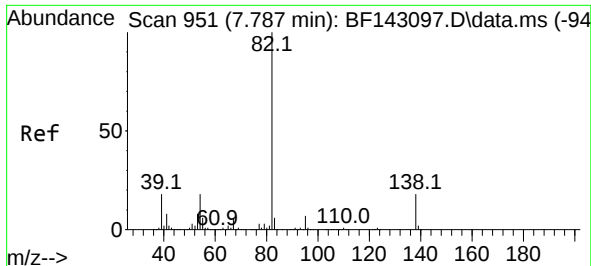
Tgt	Ion:136	Resp:	541806
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.3	8.3	12.5
68	6.8	5.3	7.9



#23
Nitrobenzene-d5
Concen: 84.857 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

Tgt Ion: 82	Resp: 819565
Ion Ratio	Lower Upper
82 100	
128 41.9	33.3 49.9
54 58.1	47.4 71.2

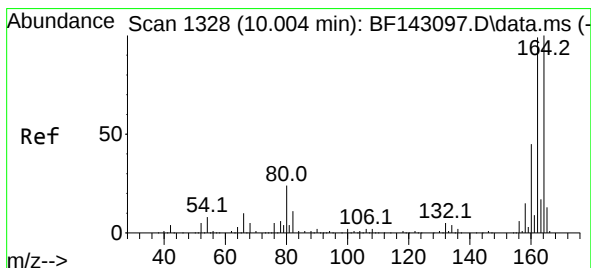
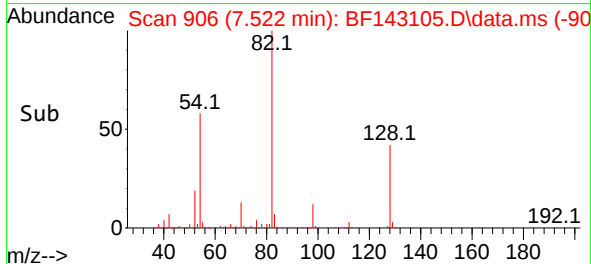
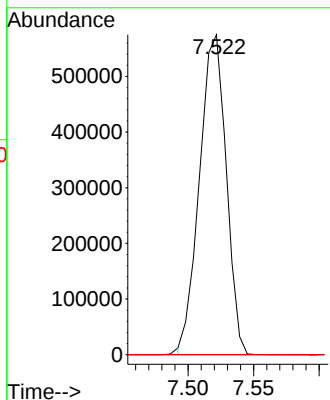
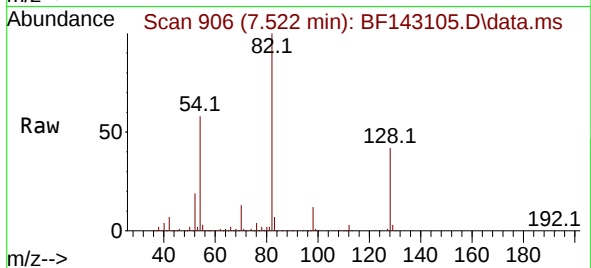




#25
Isophorone
Concen: 43.646 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.265 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

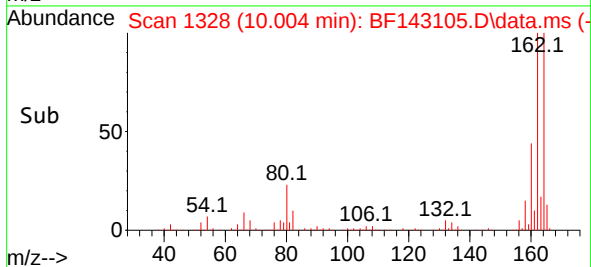
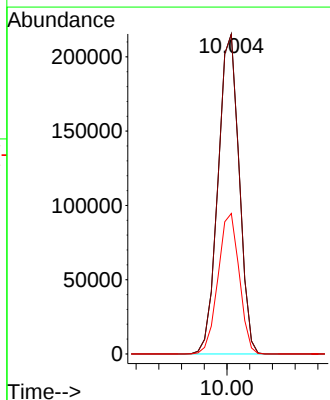
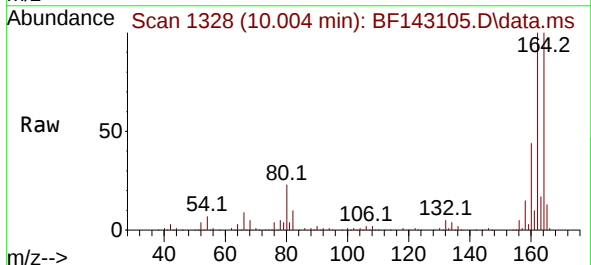
Instrument :
BNA_F
ClientSampleId :
PB168787BL

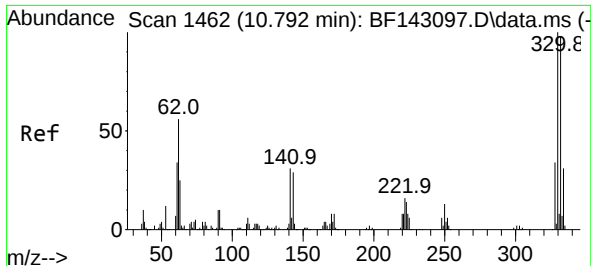
Tgt Ion: 82 Resp: 814776
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

Tgt Ion:164 Resp: 277829
Ion Ratio Lower Upper
164 100
162 99.9 79.0 118.6
160 43.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 135.749 ng

RT: 10.792 min Scan# 1462

Delta R.T. -0.000 min

Lab File: BF143105.D

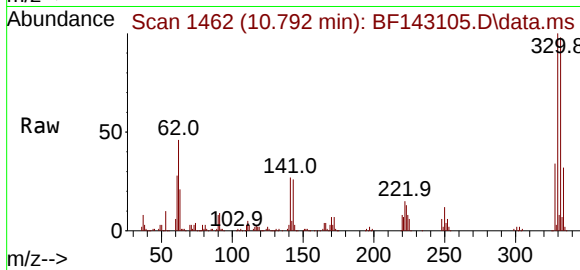
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Instrument :

BNA_F

ClientSampleId :

PB168787BL



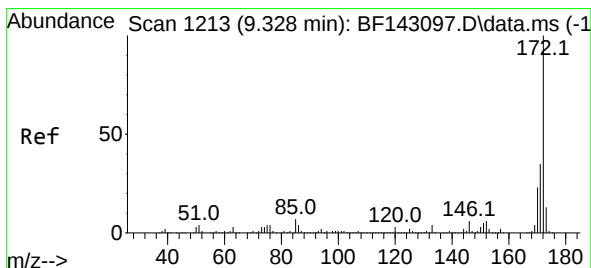
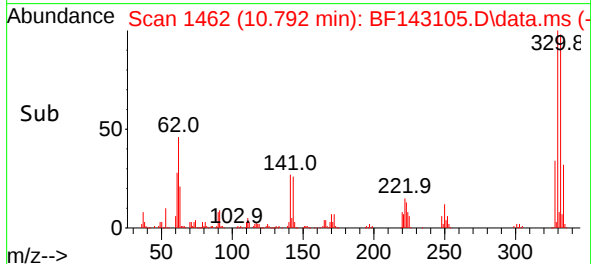
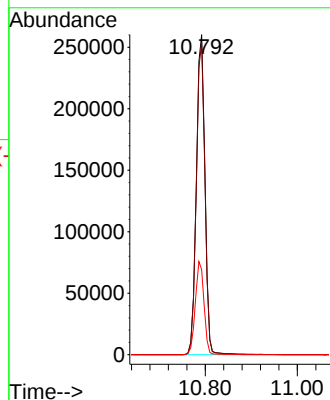
Tgt Ion:330 Resp: 336287

Ion Ratio Lower Upper

330 100

332 97.3 77.9 116.9

141 29.5 25.9 38.9



#45

2-Fluorobiphenyl

Concen: 74.947 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF143105.D

Acq: 16 Jul 2025 10:34

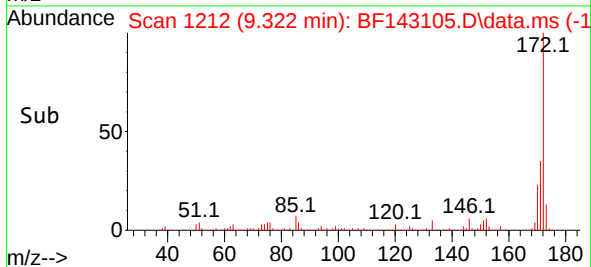
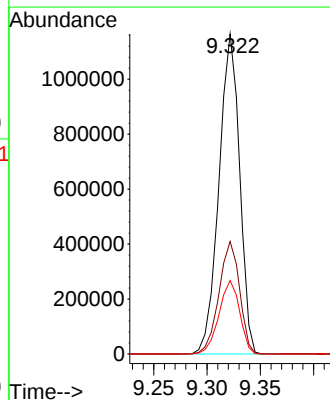
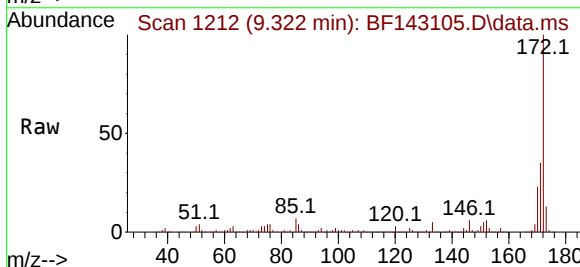
Tgt Ion:172 Resp: 1566437

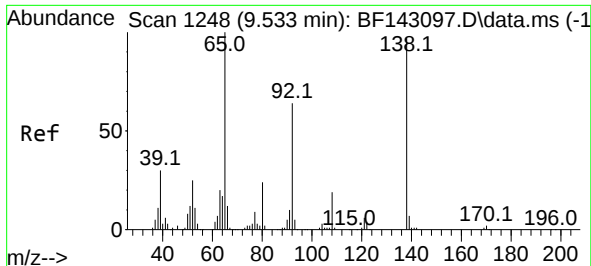
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 22.9 18.6 28.0

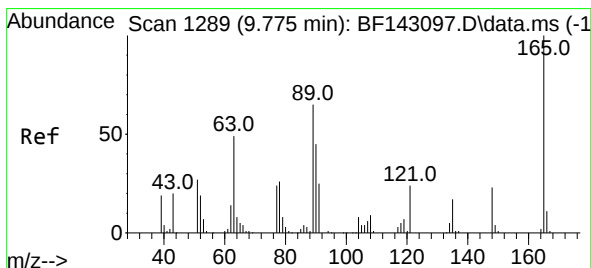
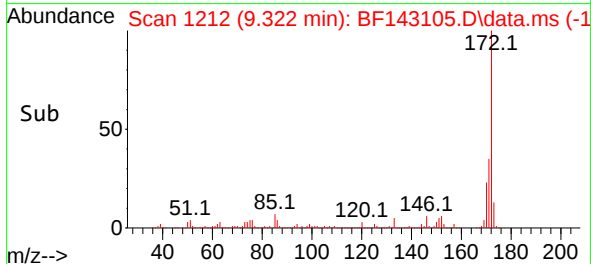
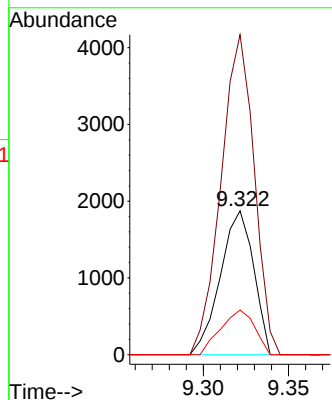
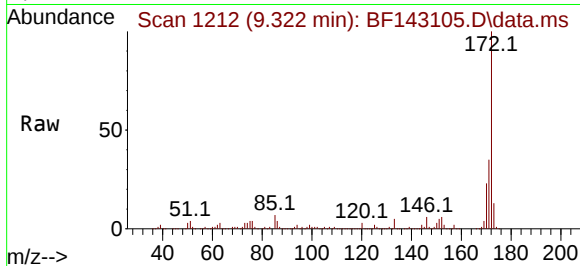




#48
2-Nitroaniline
Concen: 3.665 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.211 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

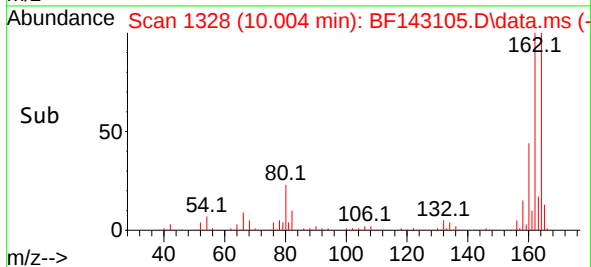
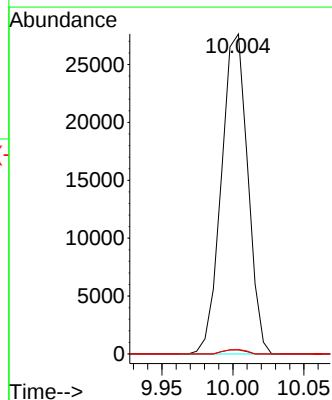
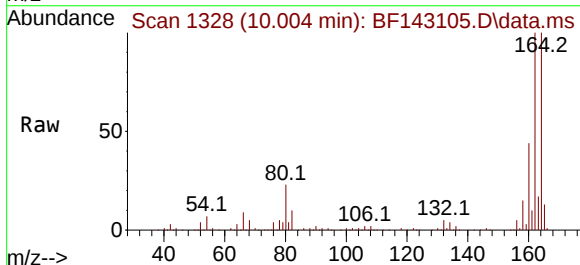
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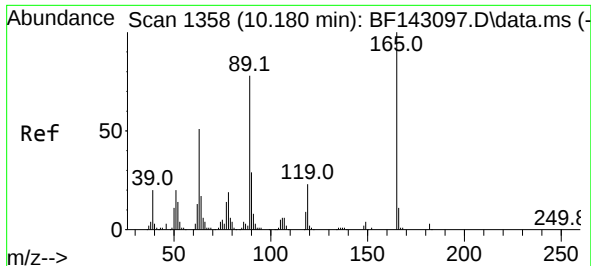
Tgt Ion: 65 Resp: 2546
Ion Ratio Lower Upper
65 100
92 222.5 51.3 76.9#
138 31.0 77.8 116.6#



#51
2,6-Dinitrotoluene
Concen: 12.537 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.229 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

Tgt Ion:165 Resp: 35726
Ion Ratio Lower Upper
165 100
63 1.2 57.4 86.0#
89 1.4 51.8 77.8#

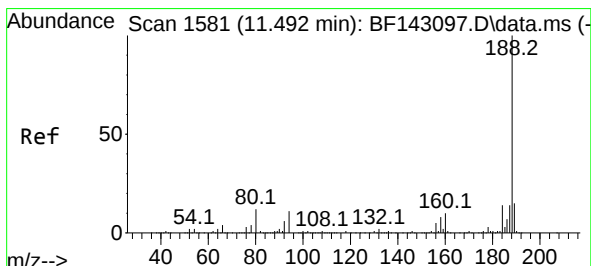
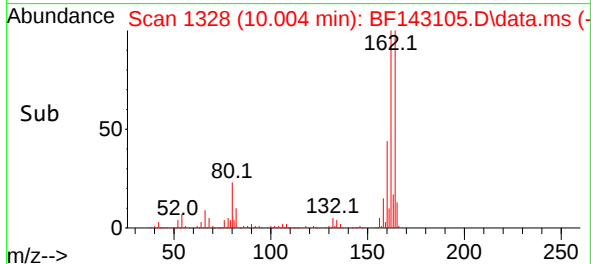
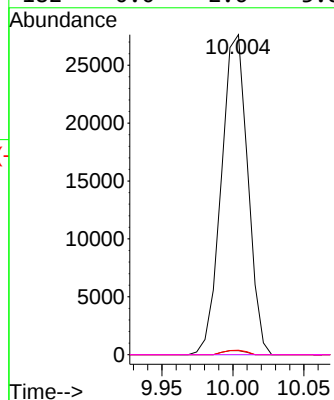
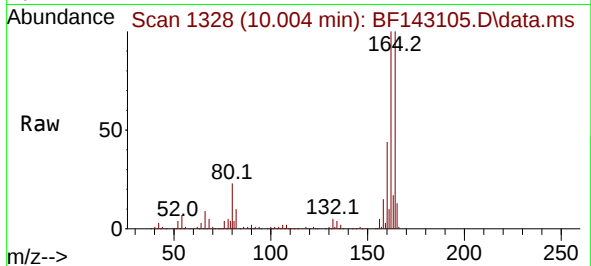




#57
2,4-Dinitrotoluene
Concen: 11.096 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

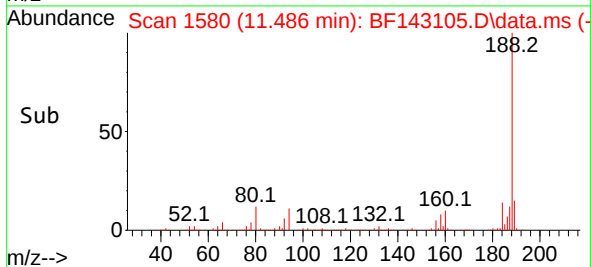
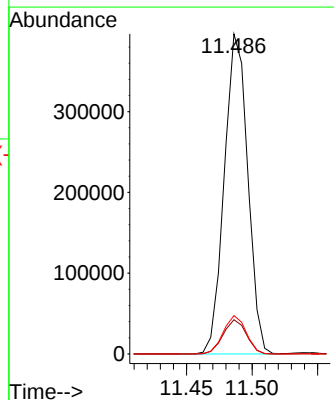
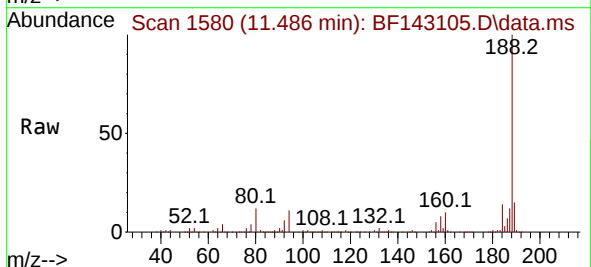
Instrument :
BNA_F
ClientSampleId :
PB168787BL

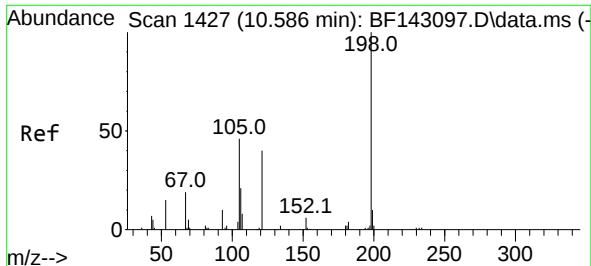
Tgt Ion:165 Resp: 35726
Ion Ratio Lower Upper
165 100
63 1.2 40.6 61.0#
89 1.4 62.3 93.5#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

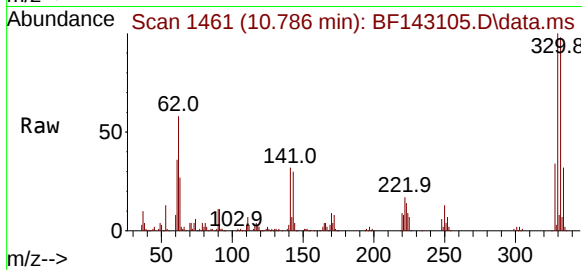
Tgt Ion:188 Resp: 492930
Ion Ratio Lower Upper
188 100
94 10.7 8.6 13.0
80 12.0 9.3 13.9



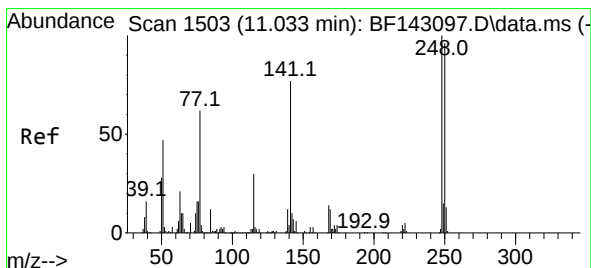
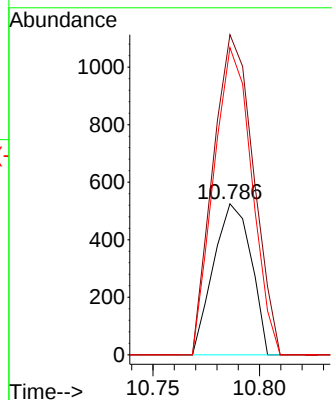
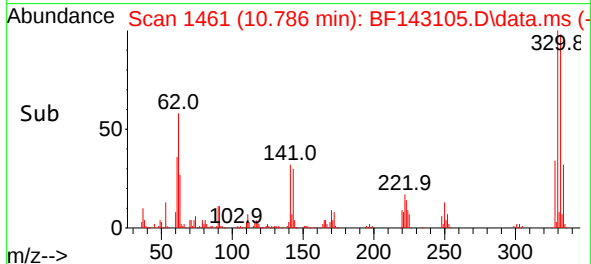


#65
4,6-Dinitro-2-methylphenol
Concen: 5.829 ng
RT: 10.786 min Scan# 1427
Delta R.T. 0.200 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

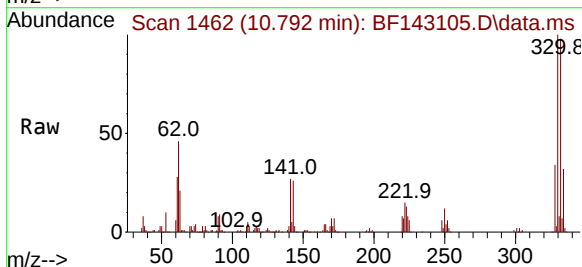
Instrument :
BNA_F
ClientSampleId :
PB168787BL



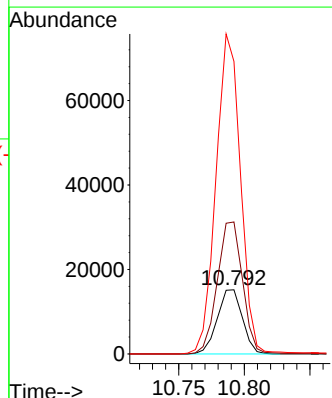
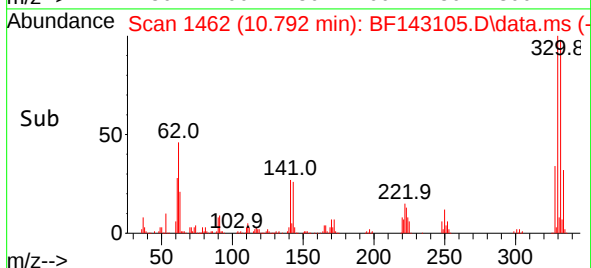
Tgt Ion:198 Resp: 645
Ion Ratio Lower Upper
198 100
51 212.0 44.6 84.6#
105 203.4 29.3 69.3#

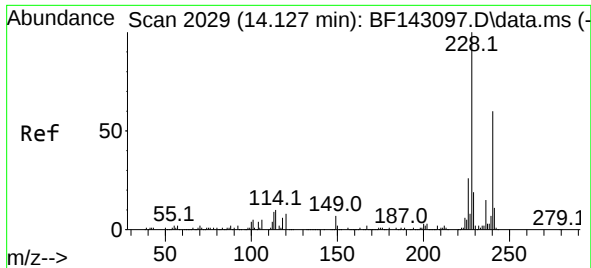


#67
4-Bromophenyl-phenylether
Concen: 3.607 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.241 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34



Tgt Ion:248 Resp: 20221
Ion Ratio Lower Upper
248 100
250 205.6 76.7 115.1#
141 455.5 61.7 92.5#

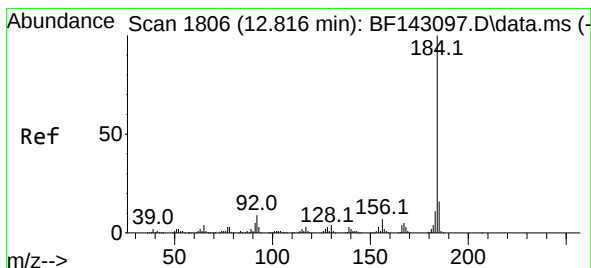
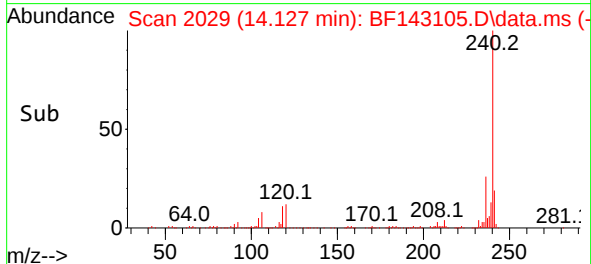
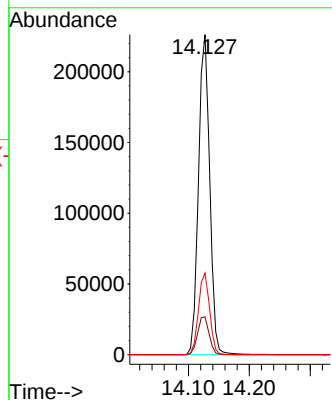
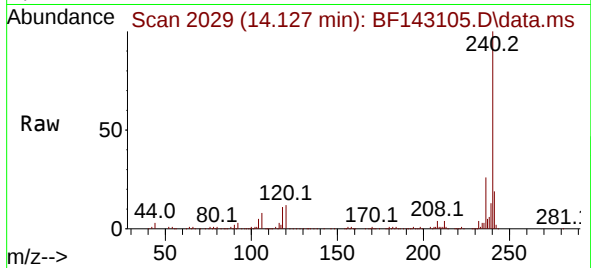




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

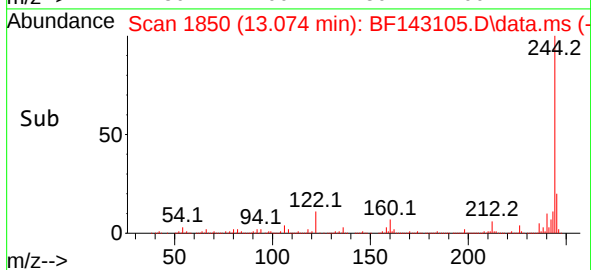
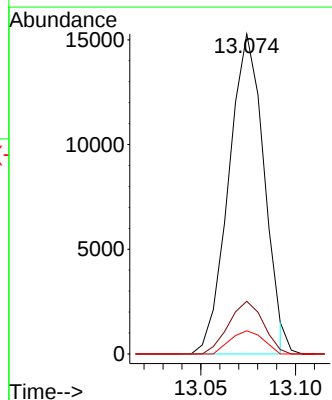
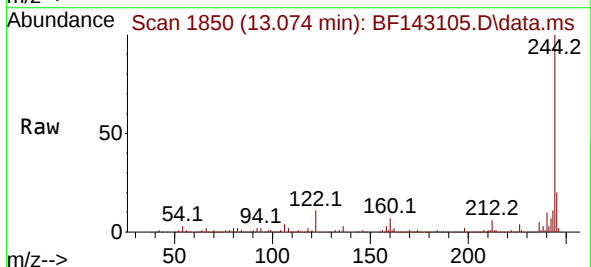
Instrument :
BNA_F
ClientSampleId :
PB168787BL

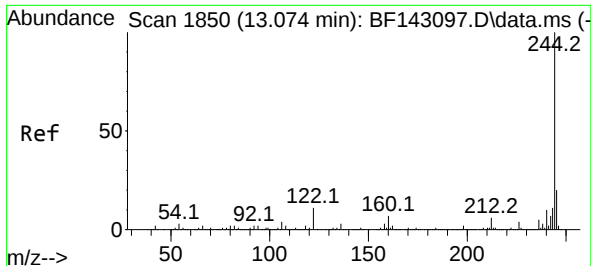
Tgt Ion:240 Resp: 288446
Ion Ratio Lower Upper
240 100
120 11.8 10.0 15.0
236 25.5 20.0 30.0



#77
Benzidine
Concen: 2.011 ng
RT: 13.074 min Scan# 1850
Delta R.T. 0.259 min
Lab File: BF143105.D
Acq: 16 Jul 2025 10:34

Tgt Ion:184 Resp: 19766
Ion Ratio Lower Upper
184 100
185 16.4 12.4 18.6
183 7.2 8.6 12.8#

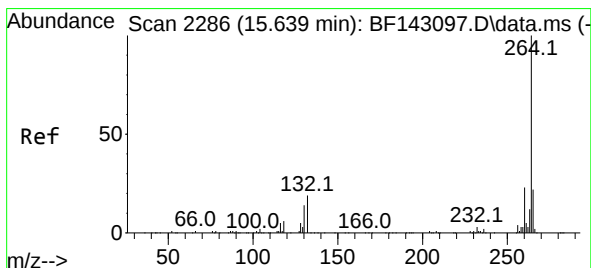
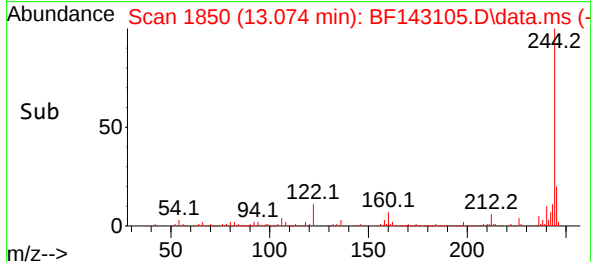
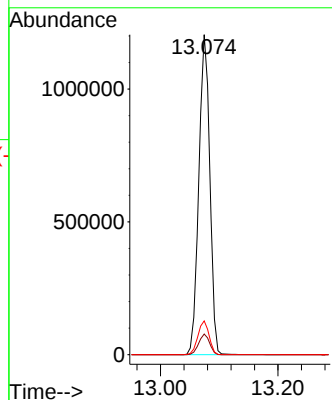
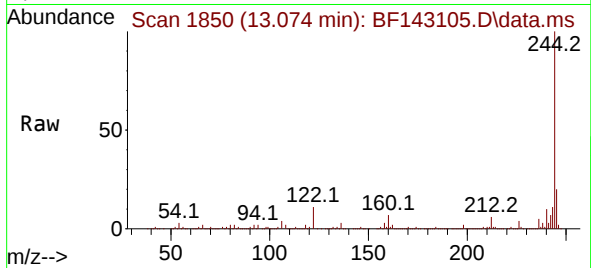




#79
 Terphenyl-d14
 Concen: 79.083 ng
 RT: 13.074 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143105.D
 Acq: 16 Jul 2025 10:34

Instrument :
 BNA_F
 ClientSampleId :
 PB168787BL

Tgt Ion:244 Resp: 1560467
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.5 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: BF143105.D
 Acq: 16 Jul 2025 10:34

Tgt Ion:264 Resp: 222395
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.5 27.7
 265 21.3 17.5 26.3

