

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
 Data File : BF143434.D
 Acq On : 18 Aug 2025 11:41
 Operator : RC/JU
 Sample : Q2832-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TG-S05

Quant Time: Aug 18 12:23:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

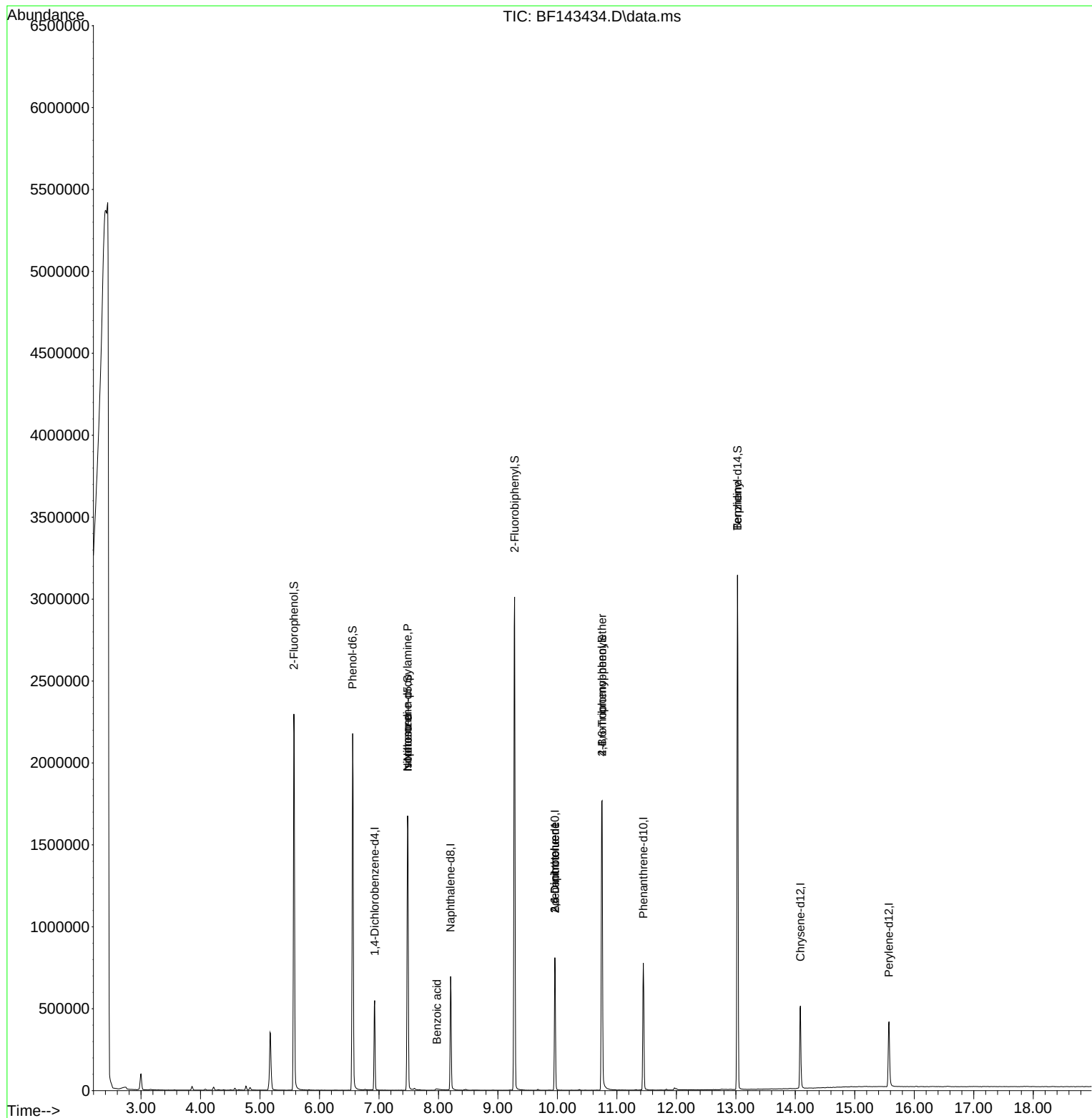
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	115498	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	444901	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	246416	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	401400	20.000	ng	0.00
76) Chrysene-d12	14.086	240	273750	20.000	ng	0.00
86) Perylene-d12	15.574	264	259673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	871355	131.145	ng	0.01
7) Phenol-d6	6.557	99	1039114	124.099	ng	0.00
23) Nitrobenzene-d5	7.481	82	765549	102.106	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	345175	157.378	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1382683	94.379	ng	0.00
79) Terphenyl-d14	13.027	244	1564193	95.986	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	103742	20.013	ng	# 77
25) Isophorone	7.481	82	759876	52.954	ng	# 65
32) Benzoic acid	7.975	122	6902	2.161	ng	# 89
51) 2,6-Dinitrotoluene	9.957	165	31423	10.376	ng	# 24
57) 2,4-Dinitrotoluene	9.957	165	31423	7.782	ng	# 24
67) 4-Bromophenyl-phenylether	10.751	248	23155	4.885	ng	# 1
77) Benzidine	13.027	184	19052	2.331	ng	# 95

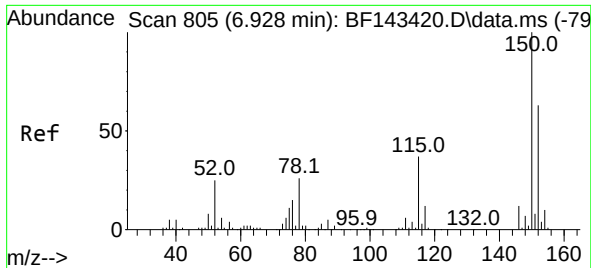
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143434.D
Acq On : 18 Aug 2025 11:41
Operator : RC/JU
Sample : Q2832-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TG-S05

Quant Time: Aug 18 12:23:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

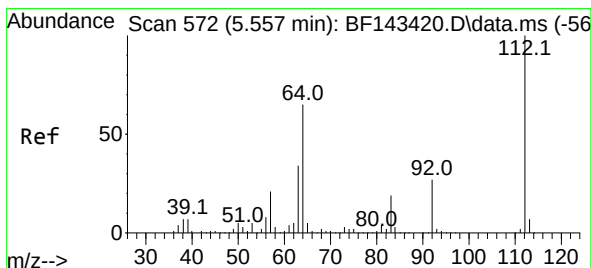
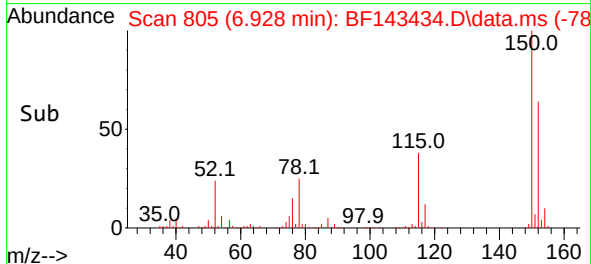
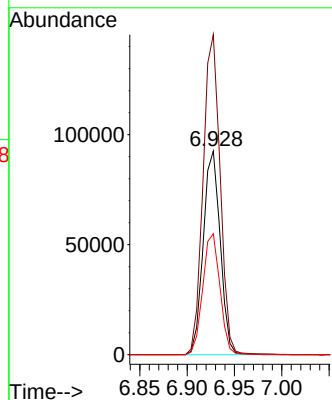
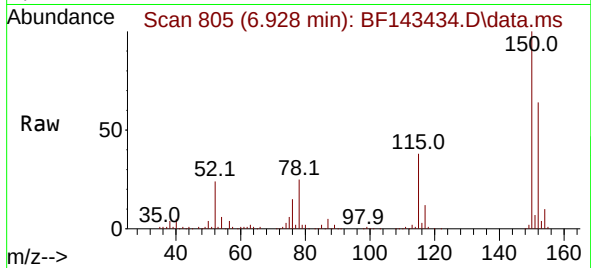




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143434.D
 Acq: 18 Aug 2025 11:41

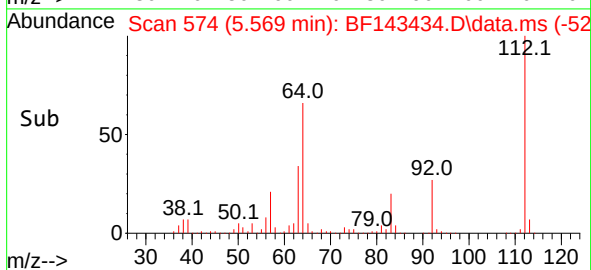
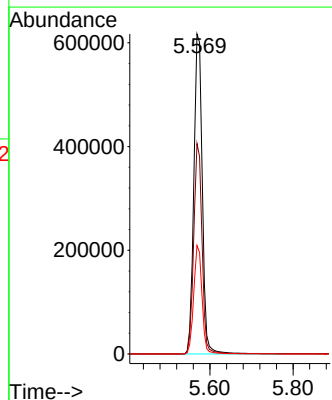
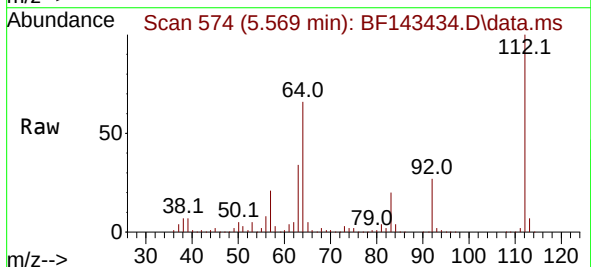
Instrument :
 BNA_F
 ClientSampleId :
 TG-S05

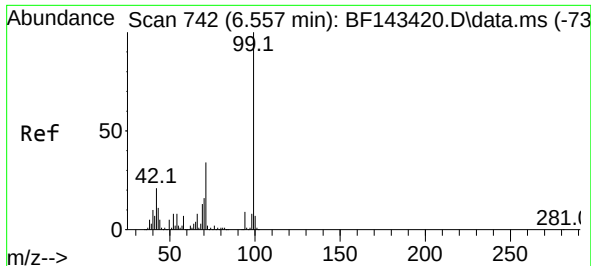
Tgt Ion:152 Resp: 115498
 Ion Ratio Lower Upper
 152 100
 150 157.1 127.4 191.2
 115 59.4 47.5 71.3



#5
 2-Fluorophenol
 Concen: 131.145 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.012 min
 Lab File: BF143434.D
 Acq: 18 Aug 2025 11:41

Tgt Ion:112 Resp: 871355
 Ion Ratio Lower Upper
 112 100
 64 65.8 52.2 78.2
 63 33.9 27.0 40.6

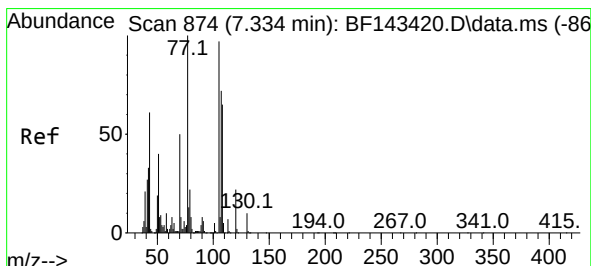
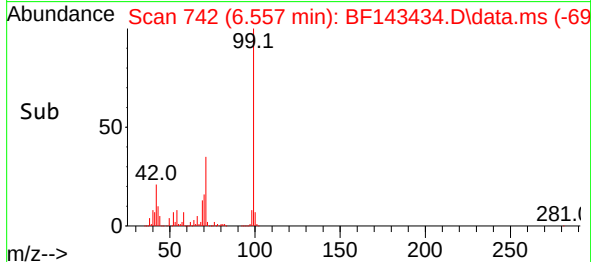
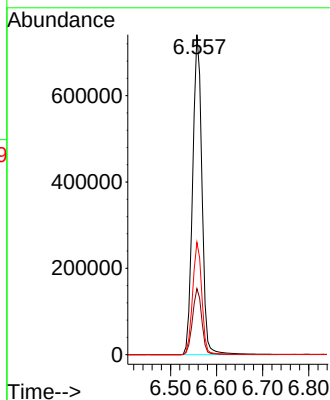
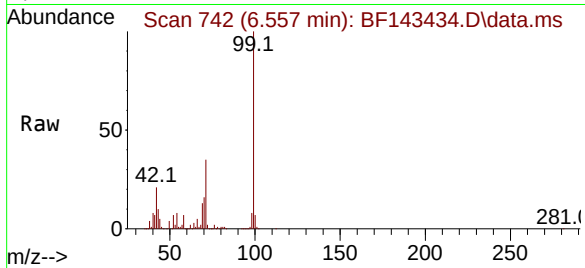




#7
Phenol-d6
Concen: 124.099 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

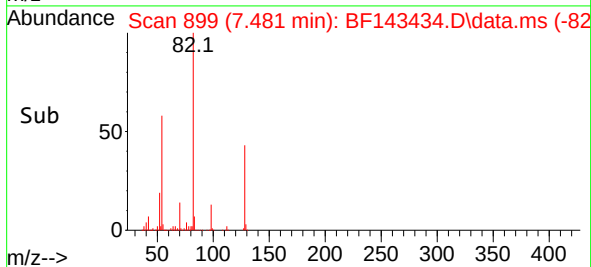
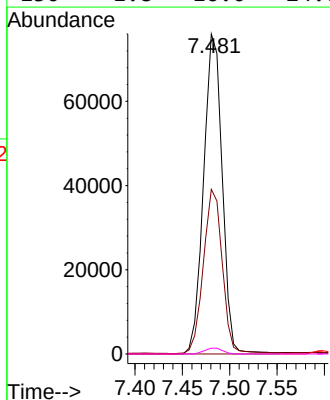
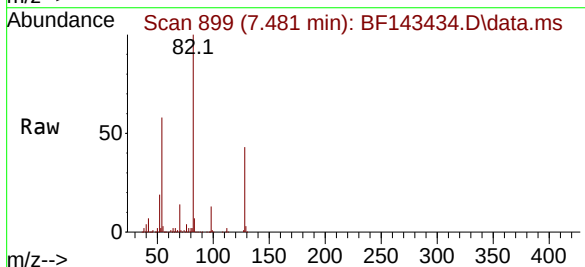
Instrument :
BNA_F
ClientSampleId :
TG-S05

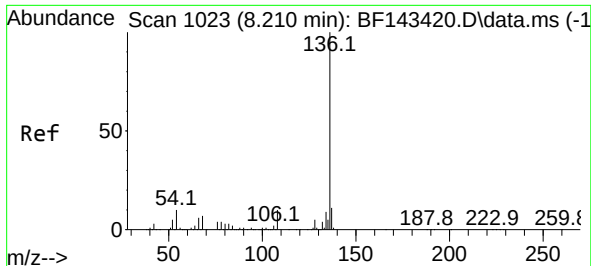
Tgt Ion: 99 Resp: 1039114
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 35.1 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.013 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion: 70 Resp: 103742
Ion Ratio Lower Upper
70 100
42 51.5 52.5 78.7#
101 0.0 7.9 11.9#
130 1.8 16.0 24.0#



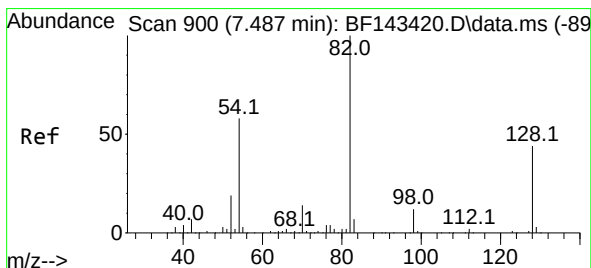
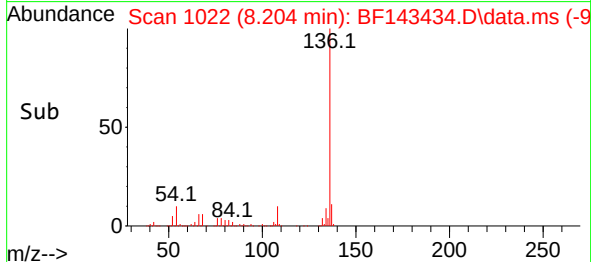
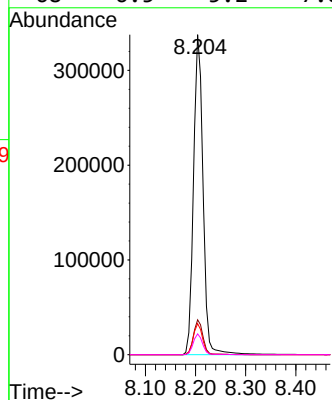
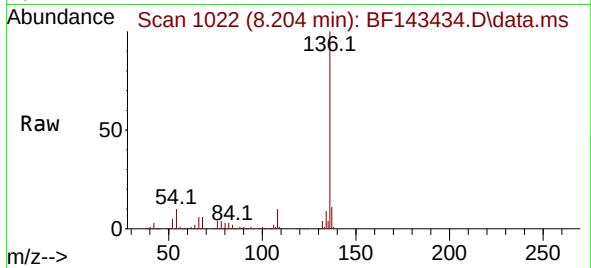


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Instrument :
BNA_F
ClientSampleId :
TG-S05

Tgt Ion:136 Resp: 444901

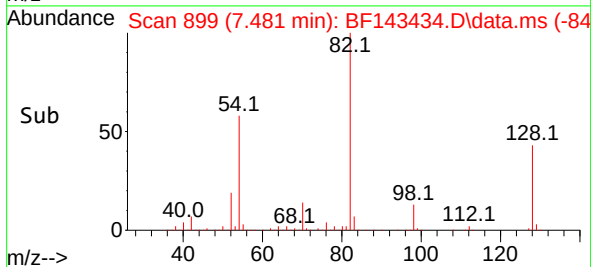
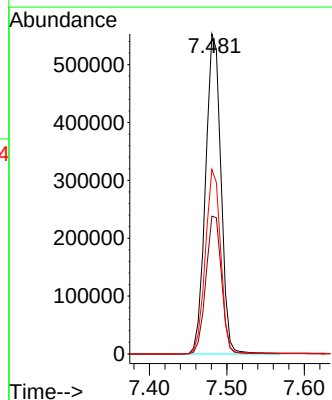
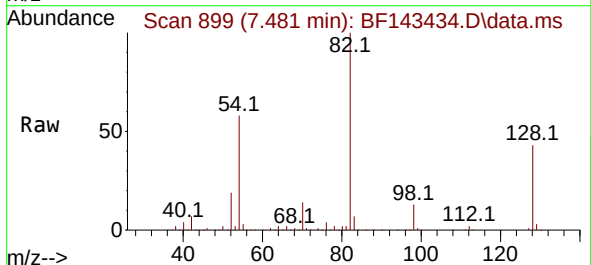
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.7	7.8	11.8
68	6.5	5.2	7.8

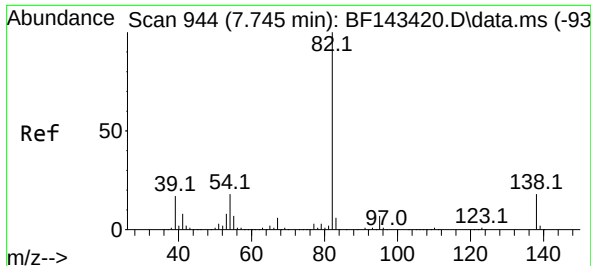


#23
Nitrobenzene-d5
Concen: 102.106 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion: 82 Resp: 765549

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	52.0
54	57.7	46.0	69.0

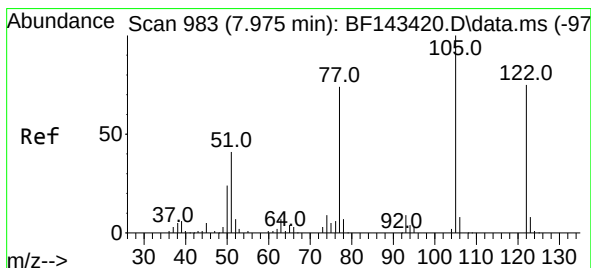
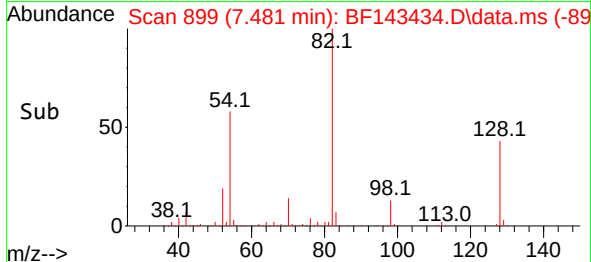
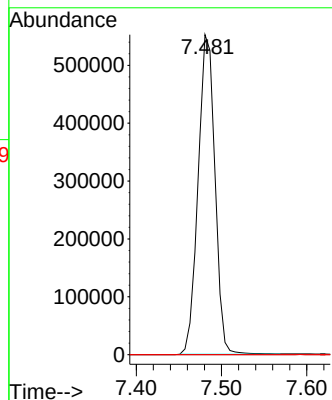
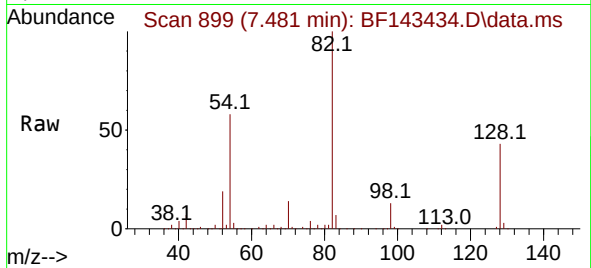




#25
Isophorone
Concen: 52.954 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

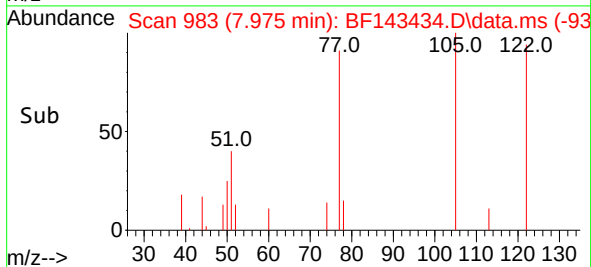
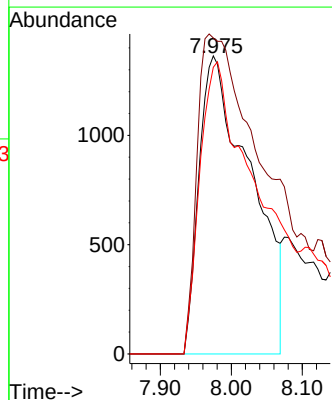
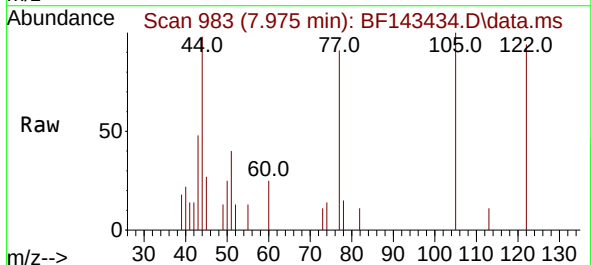
Instrument :
BNA_F
ClientSampleId :
TG-S05

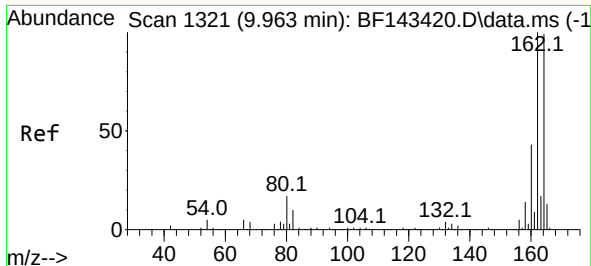
Tgt Ion: 82 Resp: 759876
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#32
Benzoic acid
Concen: 2.161 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:122 Resp: 6902
Ion Ratio Lower Upper
122 100
105 106.0 108.4 148.4#
77 96.2 75.9 115.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143434.D

Acq: 18 Aug 2025 11:41

Instrument :

BNA_F

ClientSampleId :

TG-S05

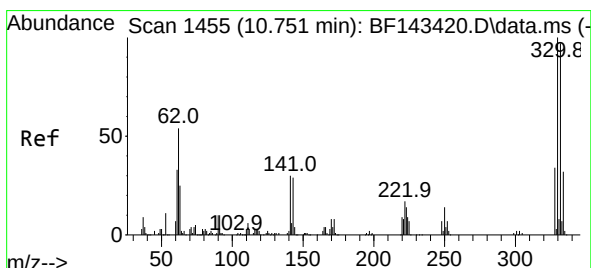
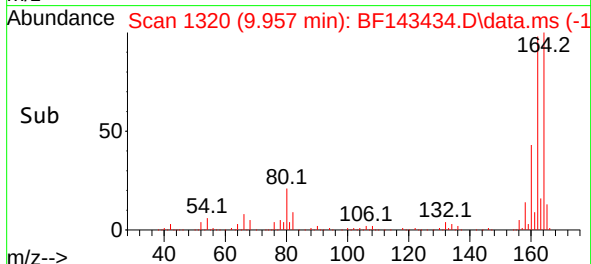
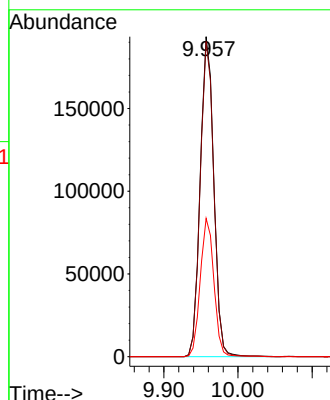
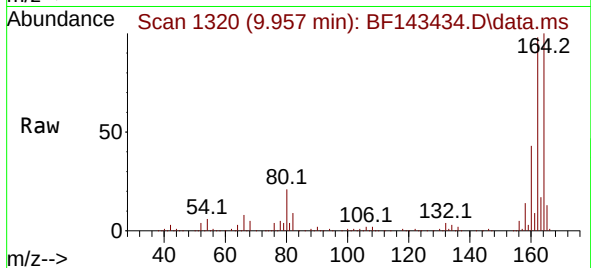
Tgt Ion:164 Resp: 246416

Ion Ratio Lower Upper

164 100

162 98.5 80.6 121.0

160 43.2 34.6 51.8



#42

2,4,6-Tribromophenol

Concen: 157.378 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.000 min

Lab File: BF143434.D

Acq: 18 Aug 2025 11:41

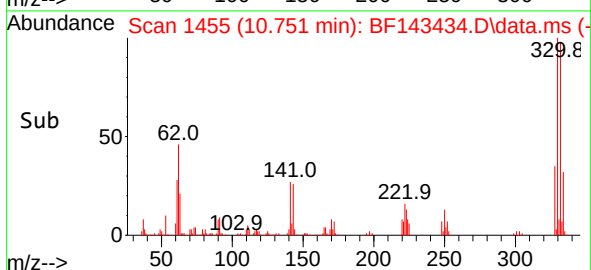
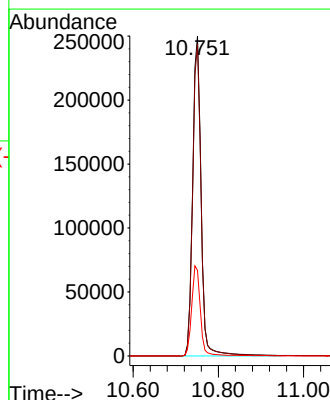
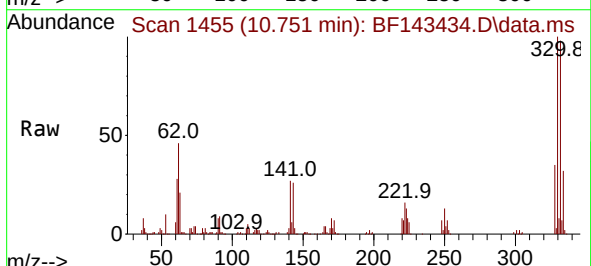
Tgt Ion:330 Resp: 345175

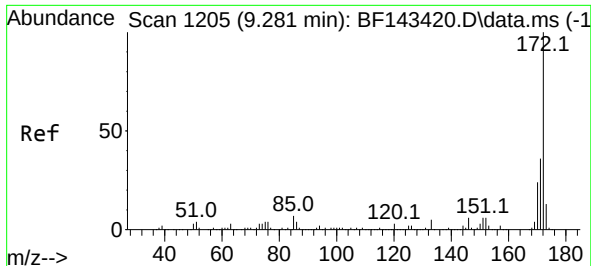
Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.2

141 29.3 24.1 36.1

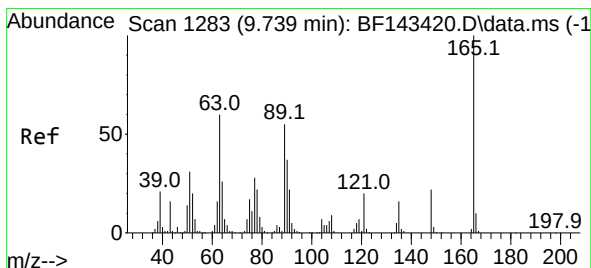
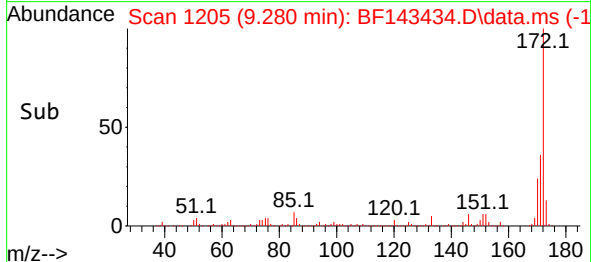
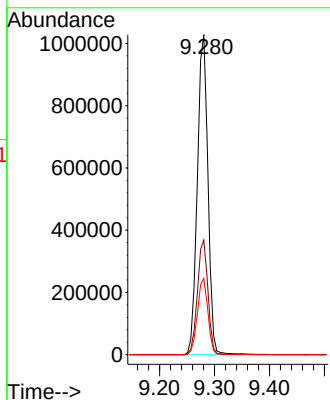
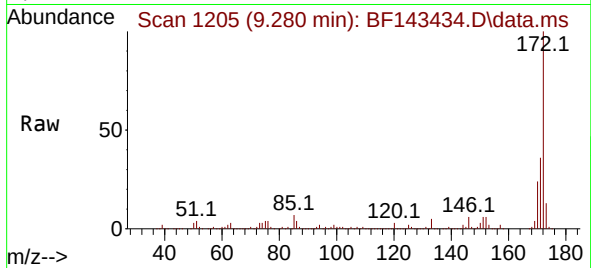




#45
2-Fluorobiphenyl
Concen: 94.379 ng
RT: 9.280 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

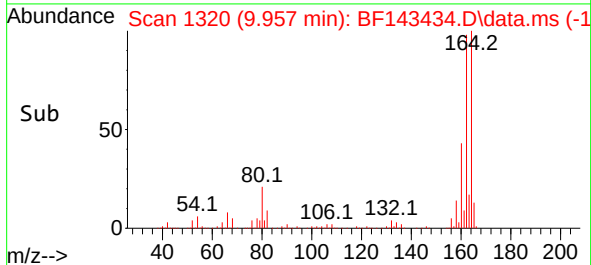
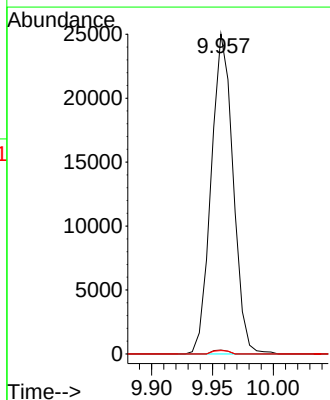
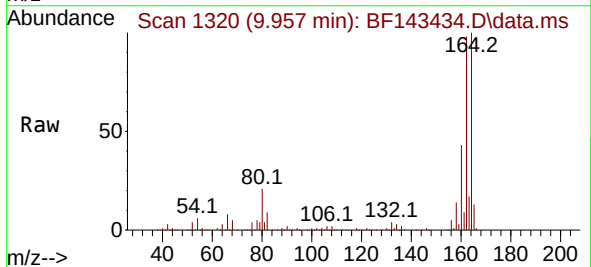
Instrument :
BNA_F
ClientSampleId :
TG-S05

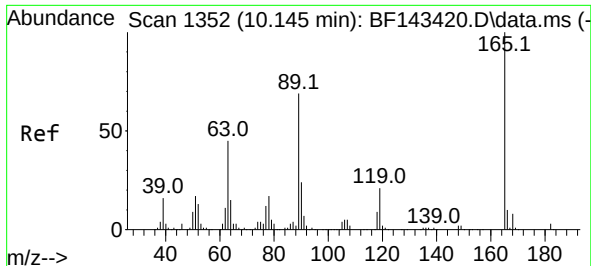
Tgt Ion:172 Resp: 1382683
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.8 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 10.376 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.217 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

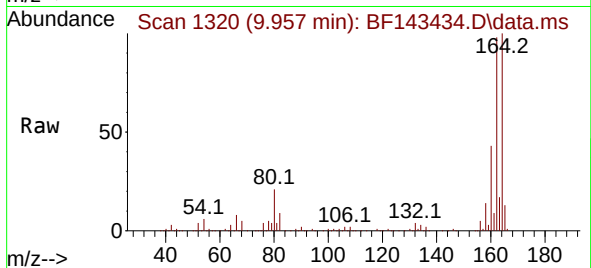
Tgt Ion:165 Resp: 31423
Ion Ratio Lower Upper
165 100
63 1.2 48.2 72.2#
89 1.0 44.2 66.2#



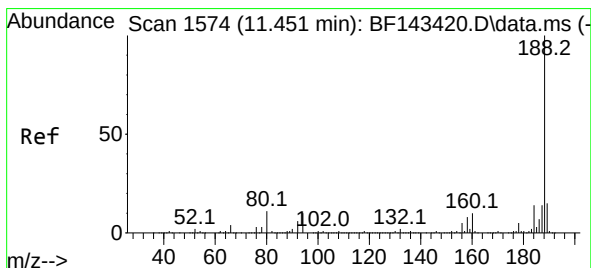
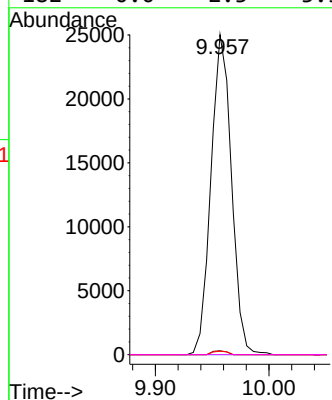
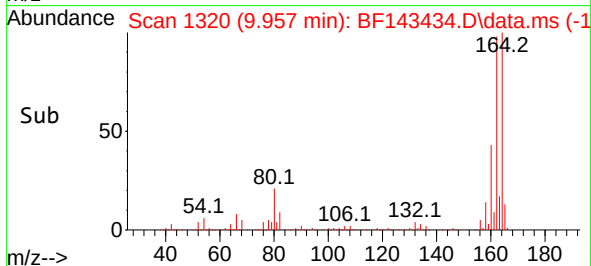


#57
2,4-Dinitrotoluene
Concen: 7.782 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Instrument :
BNA_F
ClientSampleId :
TG-S05

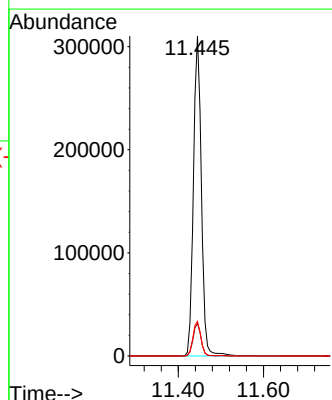
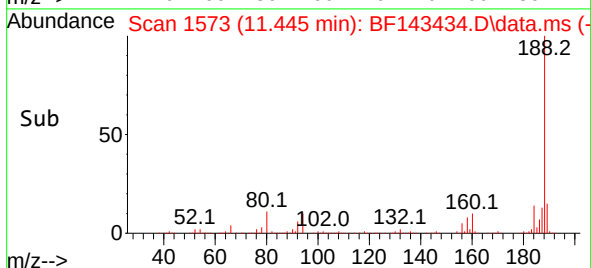
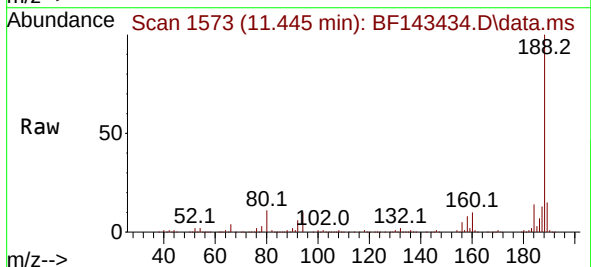


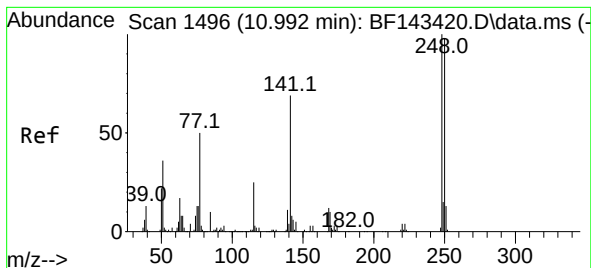
Tgt Ion:165 Resp: 31423
Ion Ratio Lower Upper
165 100
63 1.2 37.0 55.6#
89 1.0 55.4 83.0#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:188 Resp: 401400
Ion Ratio Lower Upper
188 100
94 10.2 8.0 12.0
80 10.8 8.6 12.8

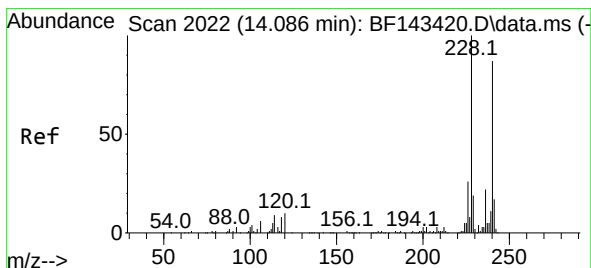
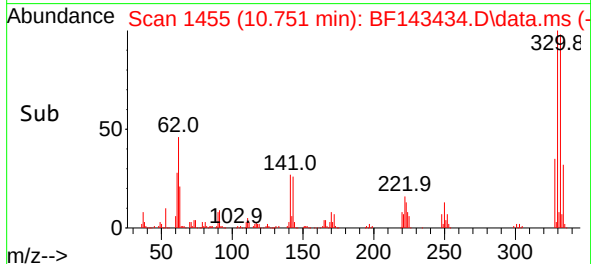
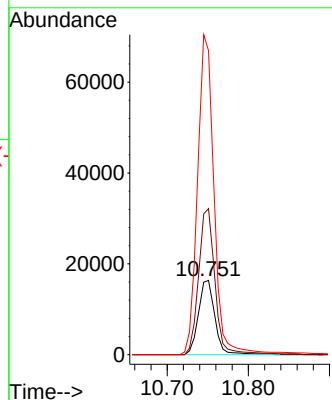
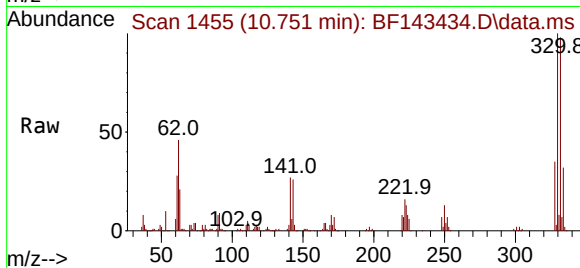




#67
4-Bromophenyl-phenylether
Concen: 4.885 ng
RT: 10.751 min Scan# 1496
Delta R.T. -0.241 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

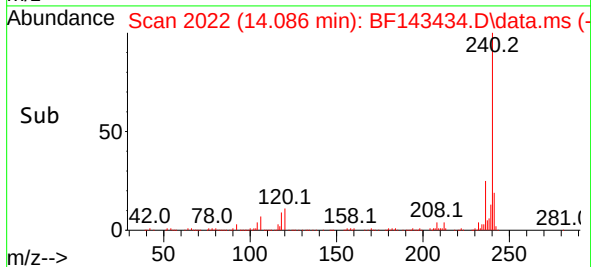
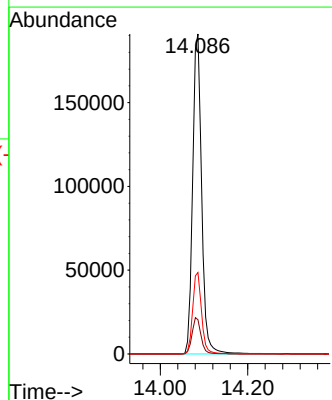
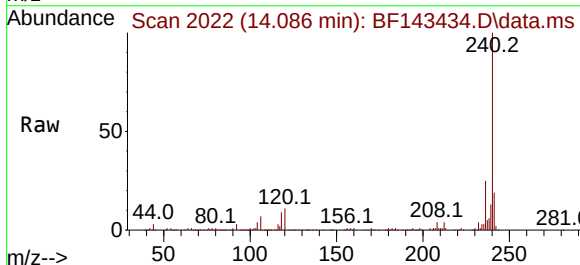
Instrument :
BNA_F
ClientSampleId :
TG-S05

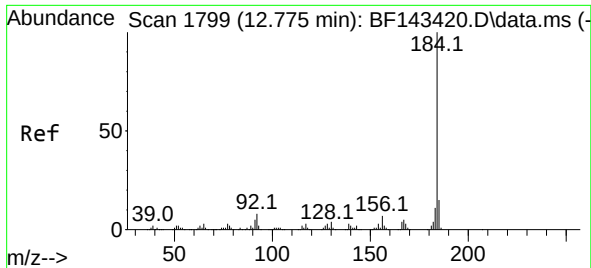
Tgt Ion:248 Resp: 23155
Ion Ratio Lower Upper
248 100
250 196.7 78.6 118.0#
141 409.4 54.9 82.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:240 Resp: 273750
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.4
236 25.4 20.2 30.2

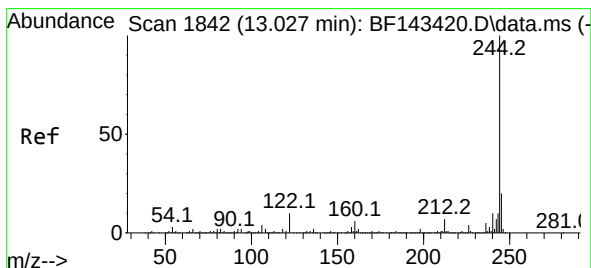
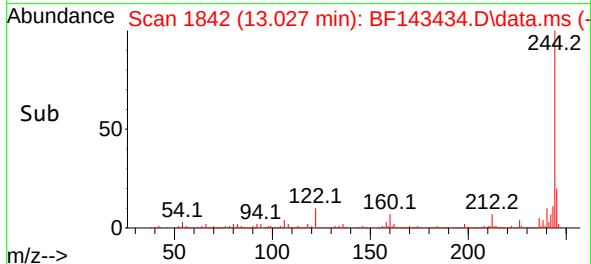
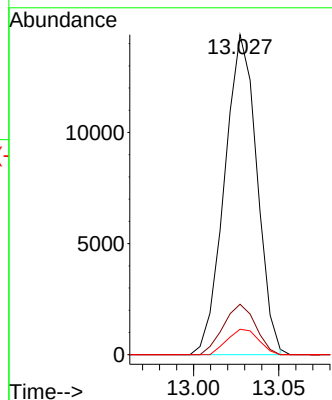
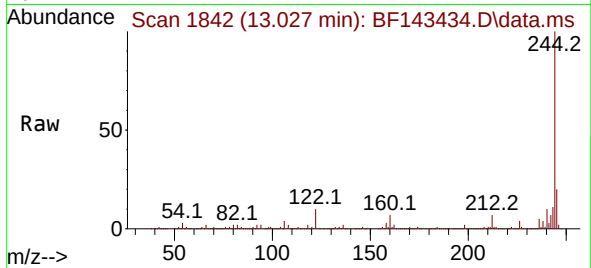




#77
Benzidine
Concen: 2.331 ng
RT: 13.027 min Scan# 1842
Delta R.T. 0.252 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

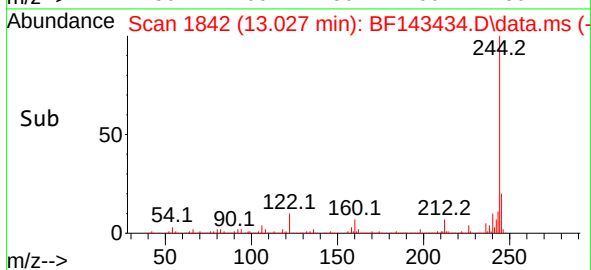
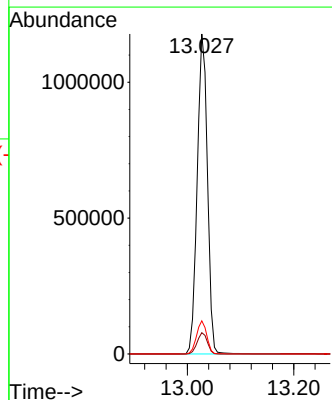
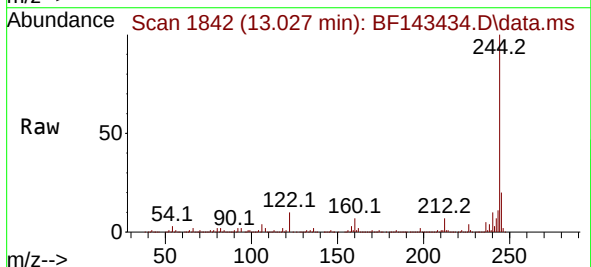
Instrument :
BNA_F
ClientSampleId :
TG-S05

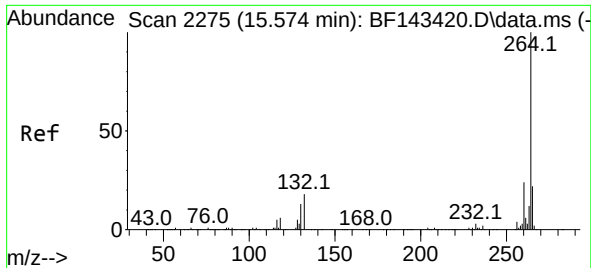
Tgt Ion:184 Resp: 19052
Ion Ratio Lower Upper
184 100
185 15.7 12.2 18.2
183 8.0 9.2 13.8#



#79
Terphenyl-d14
Concen: 95.986 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143434.D
Acq: 18 Aug 2025 11:41

Tgt Ion:244 Resp: 1564193
Ion Ratio Lower Upper
244 100
212 6.7 5.2 7.8
122 10.4 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF143434.D
 Acq: 18 Aug 2025 11:41

Instrument :
 BNA_F
 ClientSampleId :
 TG-S05

Tgt Ion:264 Resp: 259673
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.8 28.2
 265 21.4 17.4 26.0

