

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143507.D
 Acq On : 21 Aug 2025 02:25
 Operator : RC/JU
 Sample : Q2819-18
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 38M-W

Quant Time: Aug 21 02:50:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

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

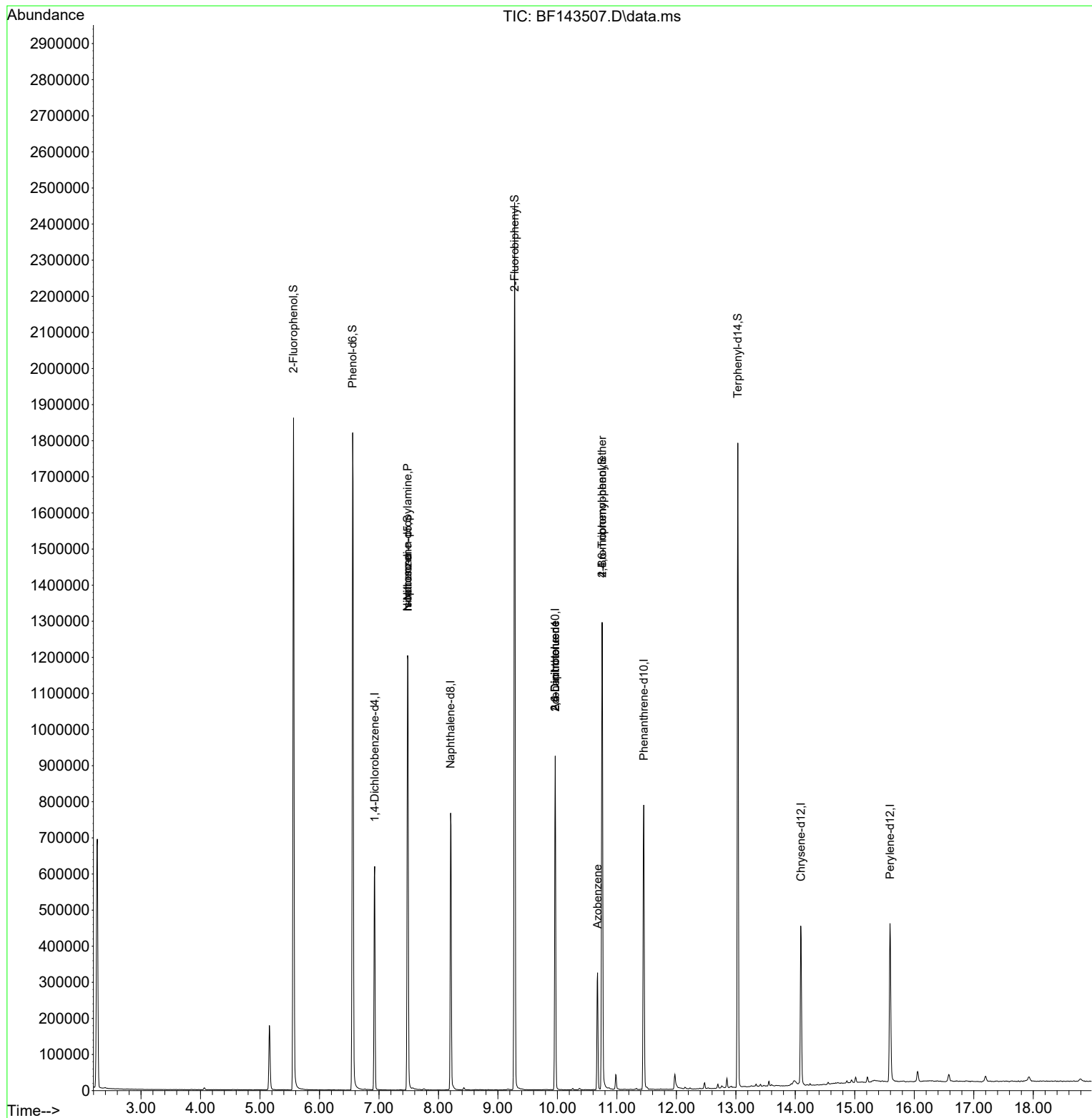
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	132869	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	502084	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	273604	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	412276	20.000	ng	0.00
76) Chrysene-d12	14.092	240	227079	20.000	ng	-0.01
86) Perylene-d12	15.592	264	276806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	681277	89.533	ng	0.00
7) Phenol-d6	6.557	99	850891	90.586	ng	-0.02
23) Nitrobenzene-d5	7.481	82	554091	64.399	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	226099	88.776	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	1073508	64.844	ng	0.00
79) Terphenyl-d14	13.033	244	854893	65.696	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	75662	13.179	ng	# 78
25) Isophorone	7.481	82	534829	33.910	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	34849	10.204	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	34849	7.642	ng	# 26
63) Azobenzene	10.674	77	83211	5.432	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	15080	3.066	ng	# 1

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143507.D
Acq On : 21 Aug 2025 02:25
Operator : RC/JU
Sample : Q2819-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
38M-W

Quant Time: Aug 21 02:50:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

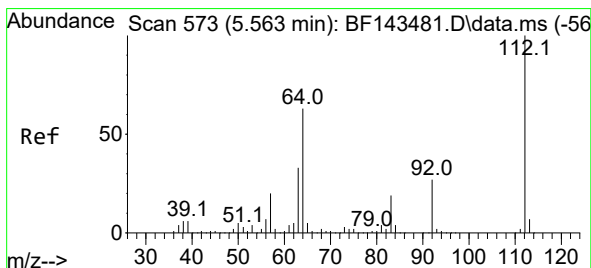
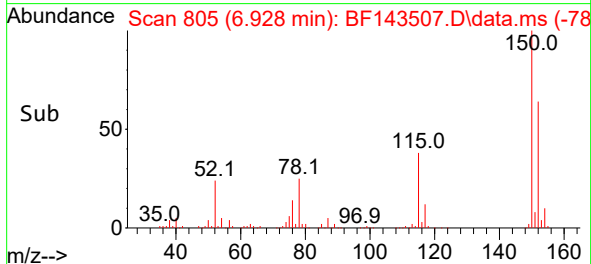
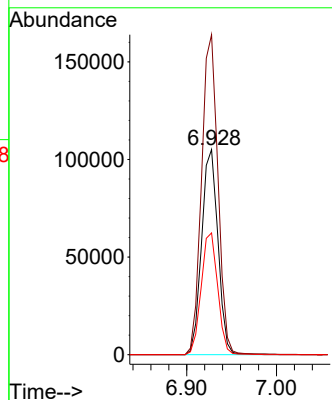
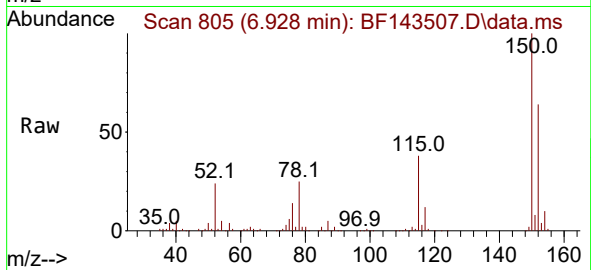




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

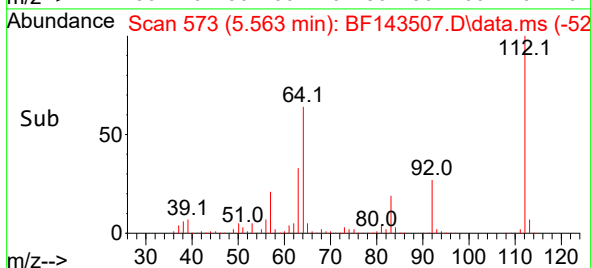
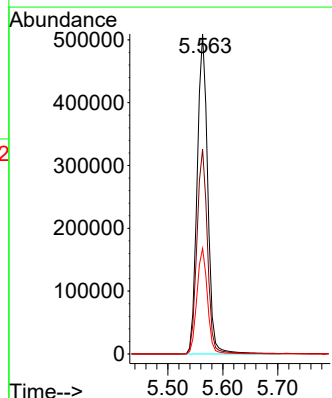
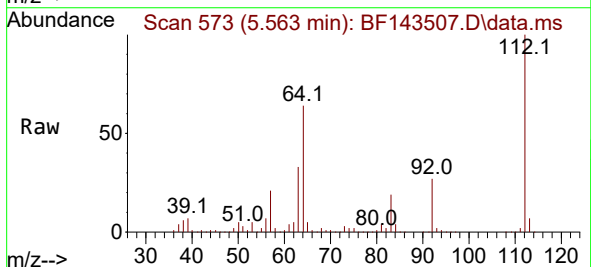
Instrument :
BNA_F
ClientSampleId :
38M-W

Tgt Ion:152 Resp: 132869
Ion Ratio Lower Upper
152 100
150 156.1 128.9 193.3
115 59.4 49.2 73.8



#5
2-Fluorophenol
Concen: 89.533 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

Tgt Ion:112 Resp: 681277
Ion Ratio Lower Upper
112 100
64 64.0 50.4 75.6
63 33.0 26.4 39.6

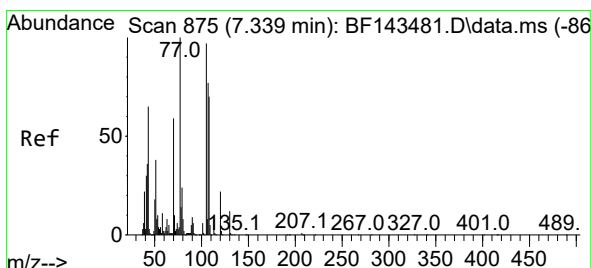
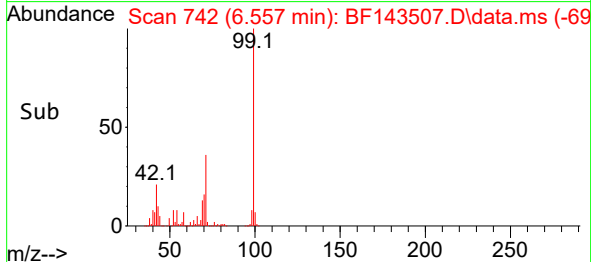
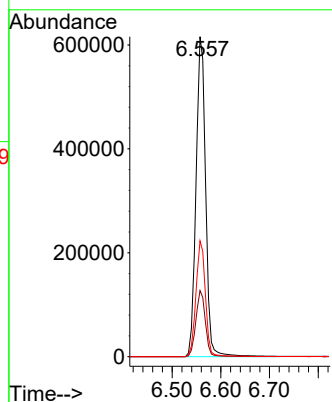
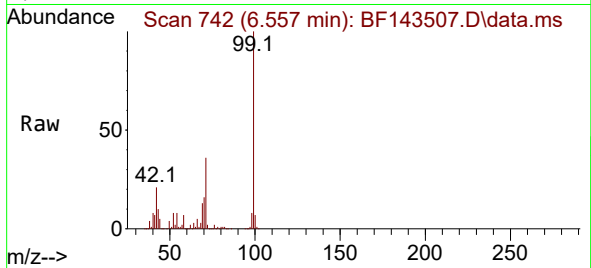




#7
Phenol-d6
Concen: 90.586 ng
RT: 6.557 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

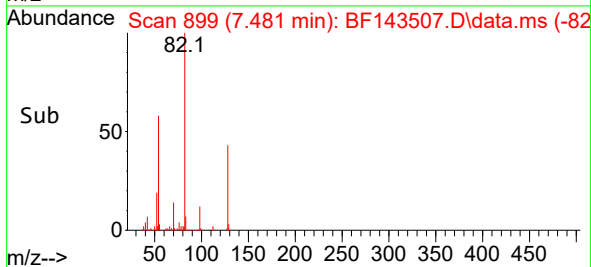
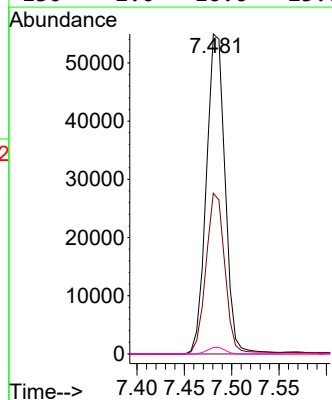
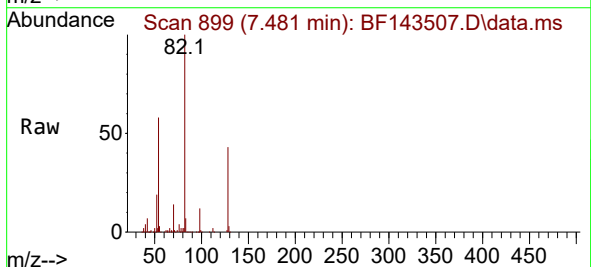
Instrument :
BNA_F
ClientSampleId :
38M-W

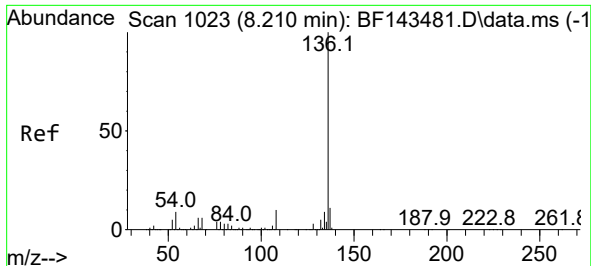
Tgt Ion: 99 Resp: 850891
Ion Ratio Lower Upper
99 100
42 20.7 16.3 24.5
71 36.2 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.179 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

Tgt Ion: 70 Resp: 75662
Ion Ratio Lower Upper
70 100
42 50.3 49.3 73.9
101 0.0 7.8 11.8#
130 2.0 16.6 25.0#



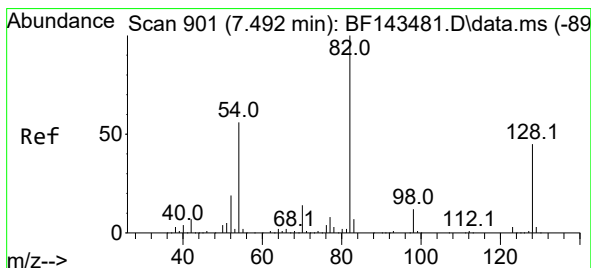
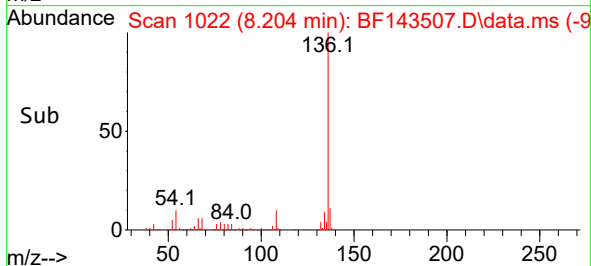
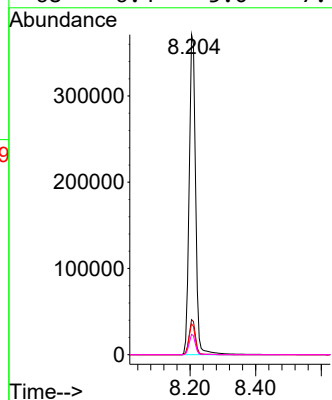
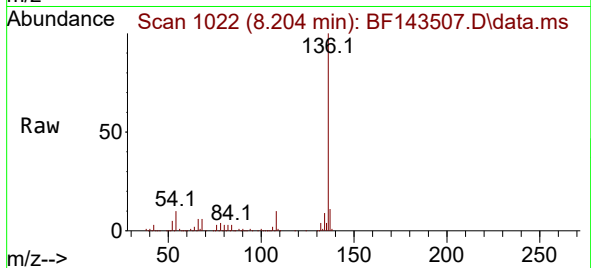


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

Instrument :
BNA_F
ClientSampleId :
38M-W

Tgt Ion:136 Resp: 502084

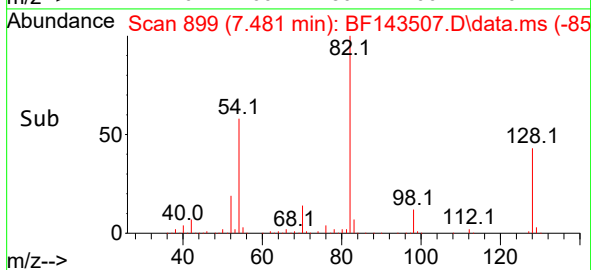
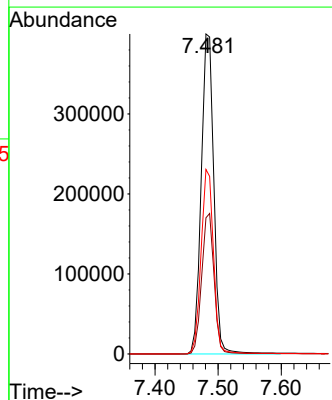
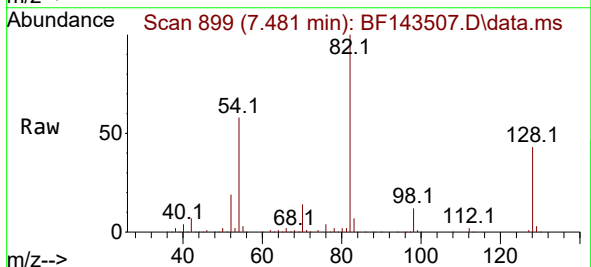
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.7	7.4	11.2
68	6.4	5.0	7.4

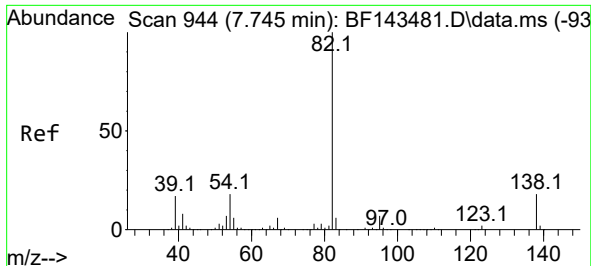


#23
Nitrobenzene-d5
Concen: 64.399 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

Tgt Ion: 82 Resp: 554091

Ion	Ratio	Lower	Upper
82	100		
128	42.5	35.5	53.3
54	57.7	44.3	66.5

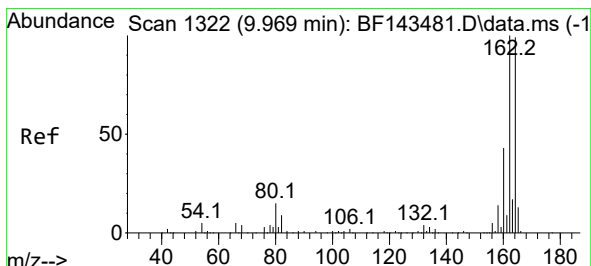
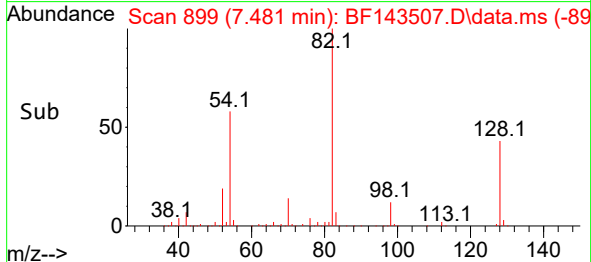
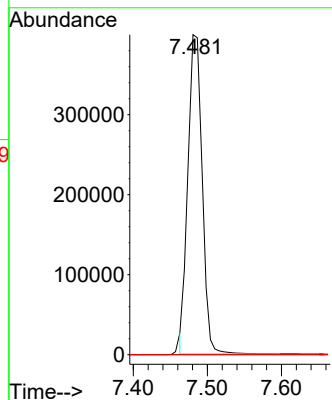
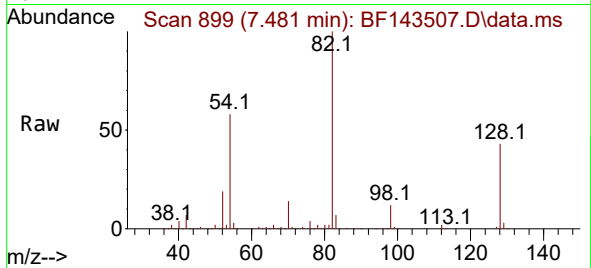




#25
Isophorone
Concen: 33.910 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.277 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

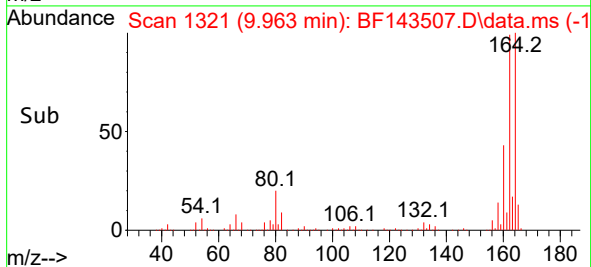
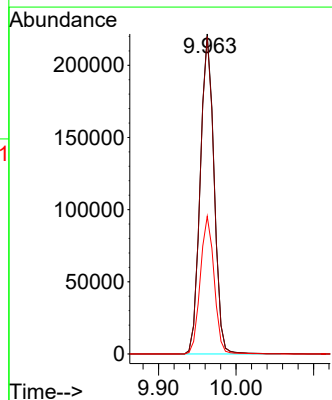
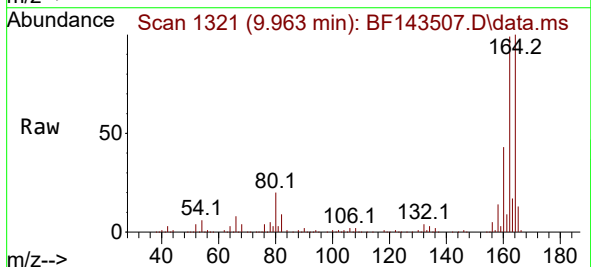
Instrument :
BNA_F
ClientSampleId :
38M-W

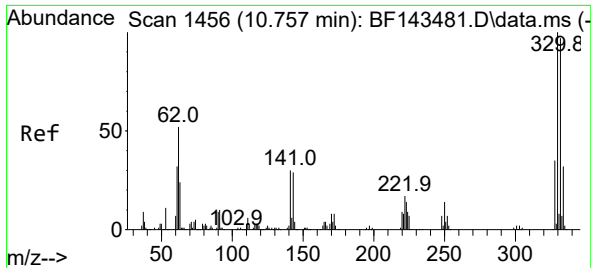
Tgt Ion: 82 Resp: 534829
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

Tgt Ion:164 Resp: 273604
Ion Ratio Lower Upper
164 100
162 99.2 80.5 120.7
160 43.0 34.3 51.5

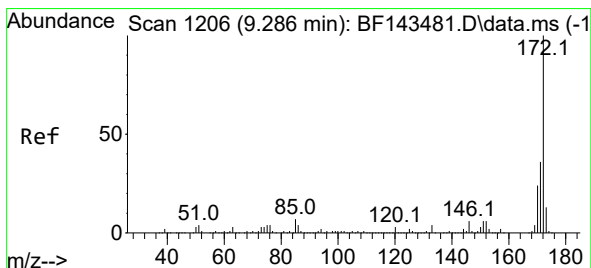
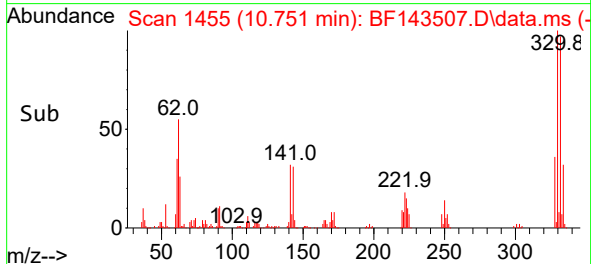
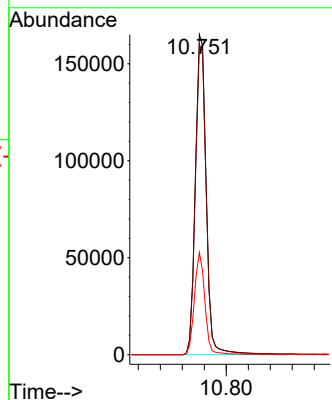
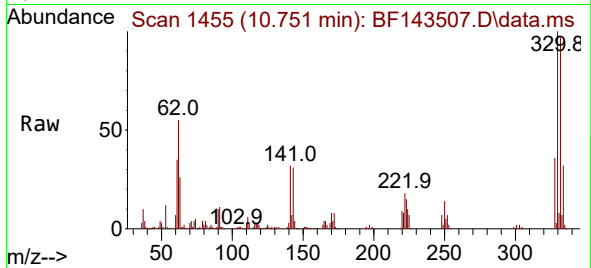




#42
 2,4,6-Tribromophenol
 Concen: 88.776 ng
 RT: 10.751 min Scan# 1456
 Delta R.T. -0.012 min
 Lab File: BF143507.D
 Acq: 21 Aug 2025 02:25

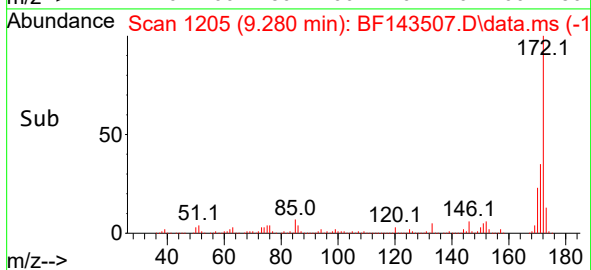
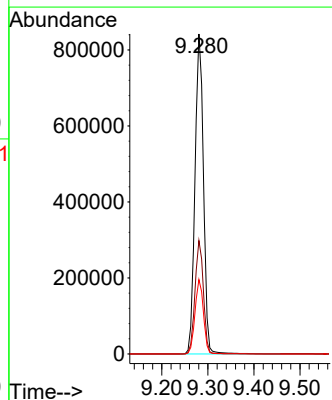
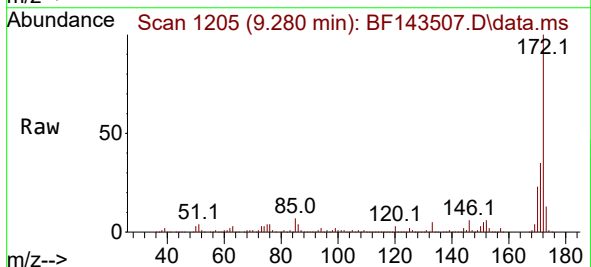
Instrument :
 BNA_F
 ClientSampleId :
 38M-W

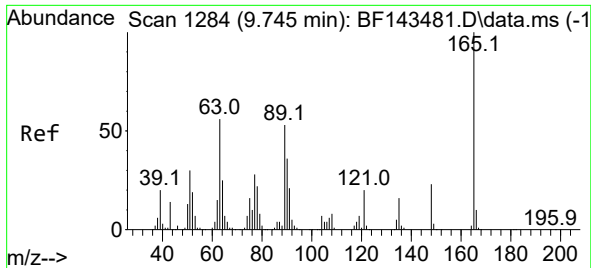
Tgt Ion:330 Resp: 226099
 Ion Ratio Lower Upper
 330 100
 332 97.0 78.0 117.0
 141 30.9 23.7 35.5



#45
 2-Fluorobiphenyl
 Concen: 64.844 ng
 RT: 9.280 min Scan# 1205
 Delta R.T. -0.006 min
 Lab File: BF143507.D
 Acq: 21 Aug 2025 02:25

Tgt Ion:172 Resp: 1073508
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.8 43.2
 170 23.2 18.8 28.2

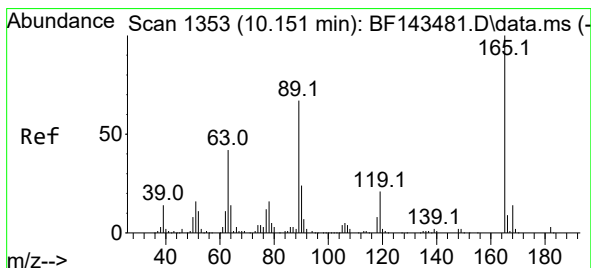
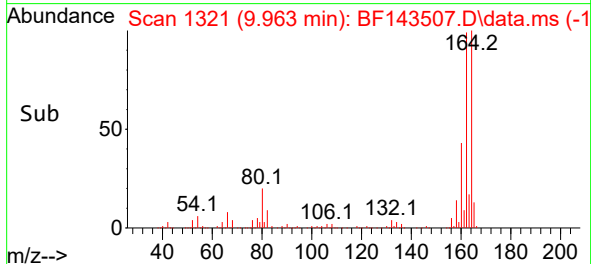
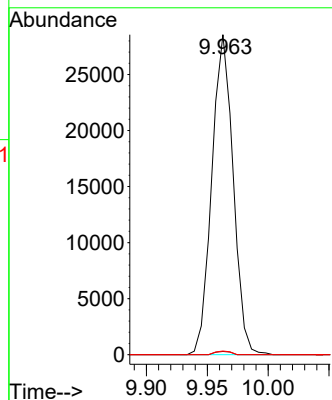
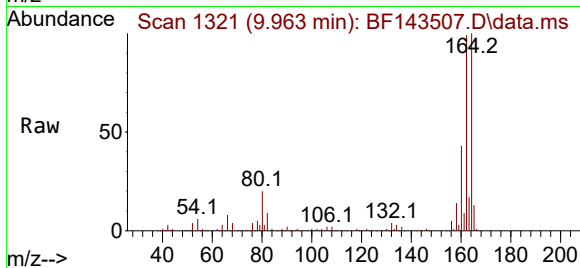




#51
2,6-Dinitrotoluene
Concen: 10.204 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

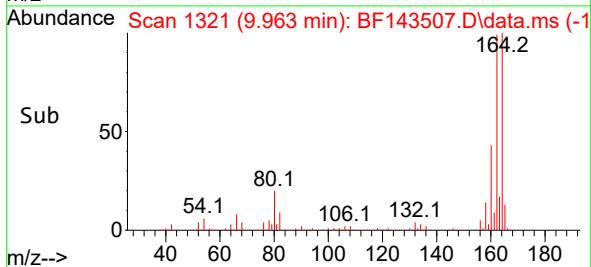
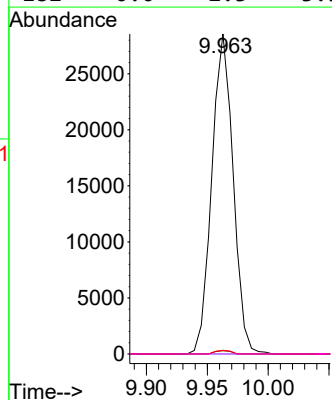
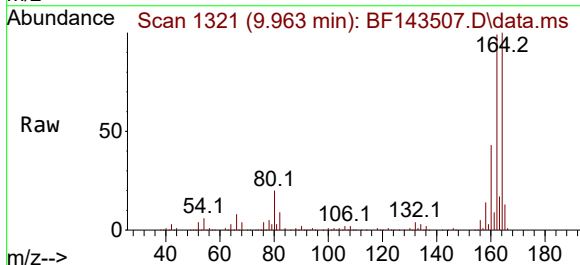
Instrument :
BNA_F
ClientSampleId :
38M-W

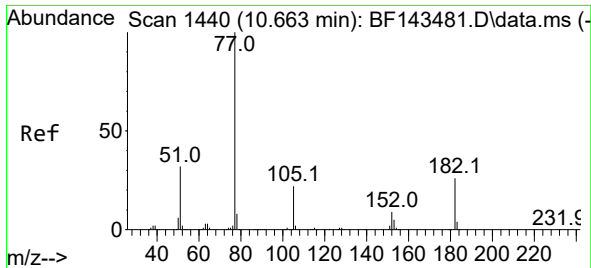
Tgt Ion:165 Resp: 34849
Ion Ratio Lower Upper
165 100
63 1.0 45.0 67.6#
89 1.2 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.642 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

Tgt Ion:165 Resp: 34849
Ion Ratio Lower Upper
165 100
63 1.0 34.9 52.3#
89 1.2 53.3 79.9#
182 0.0 2.3 3.5#

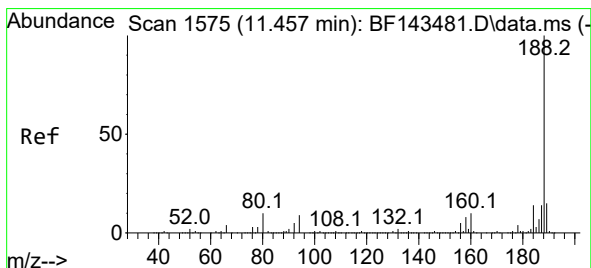
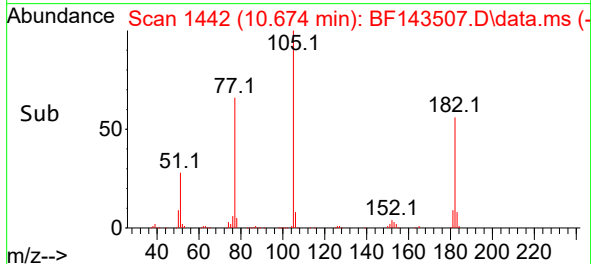
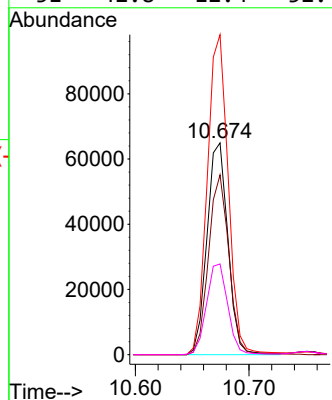
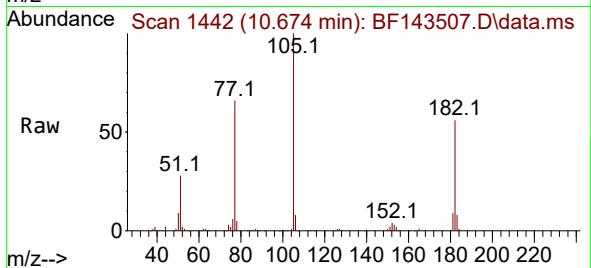




#63
Azobenzene
Concen: 5.432 ng
RT: 10.674 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

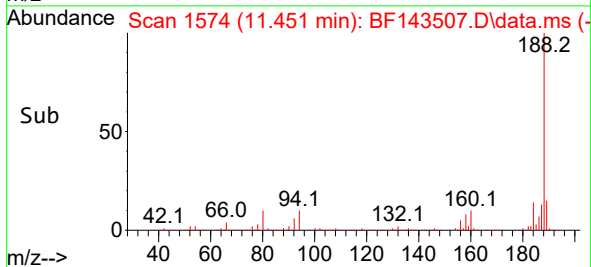
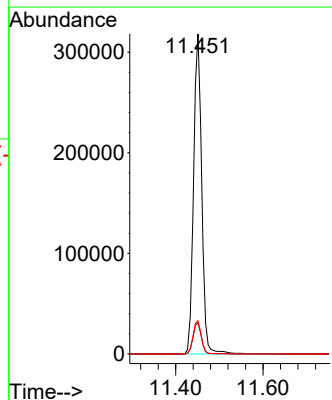
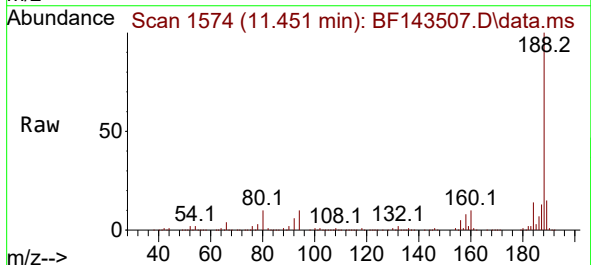
Instrument :
BNA_F
ClientSampleId :
38M-W

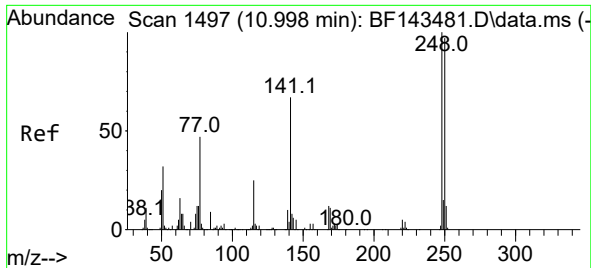
Tgt Ion: 77 Resp: 83211
Ion Ratio Lower Upper
77 100
182 84.9 6.2 46.2#
105 151.1 2.2 42.2#
51 42.8 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

Tgt Ion:188 Resp: 412276
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.4 8.2 12.4

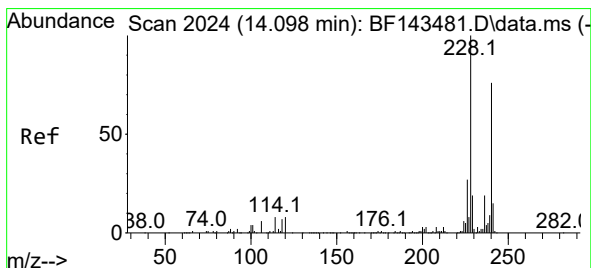
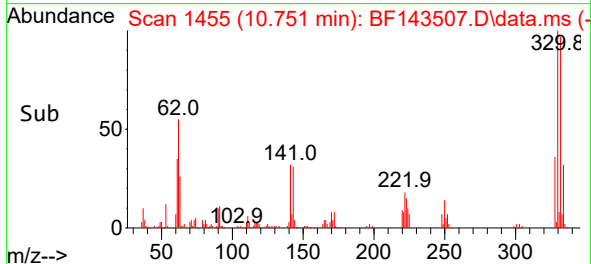
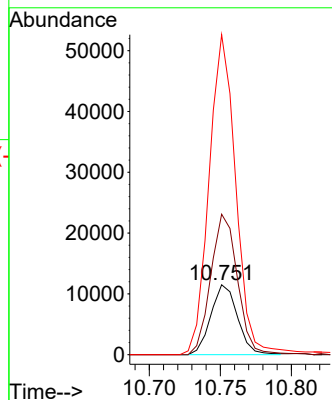
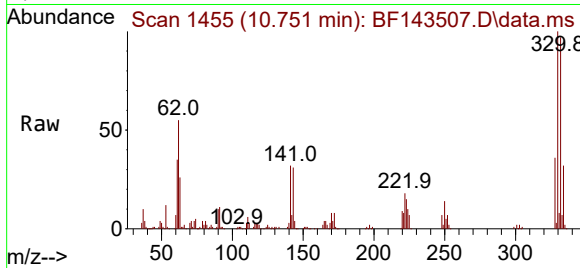




#67
4-Bromophenyl-phenylether
Concen: 3.066 ng
RT: 10.751 min Scan# 1497
Delta R.T. -0.247 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

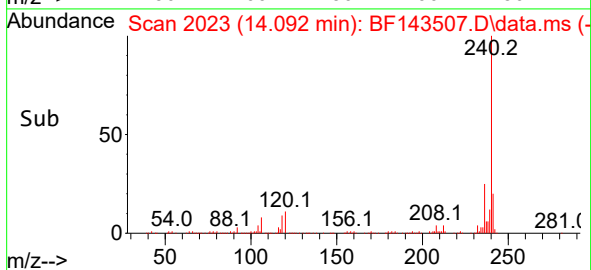
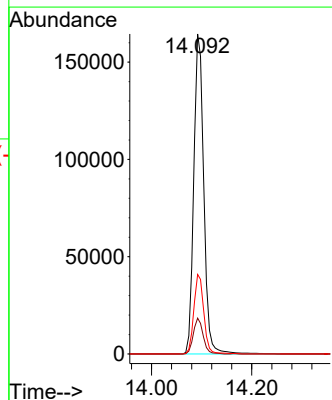
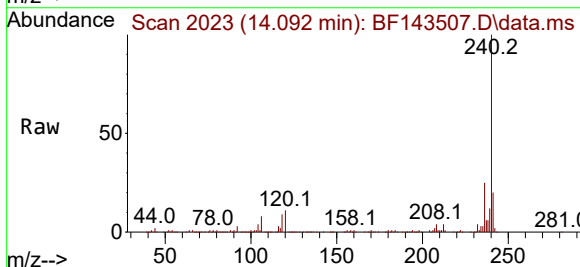
Instrument :
BNA_F
ClientSampleId :
38M-W

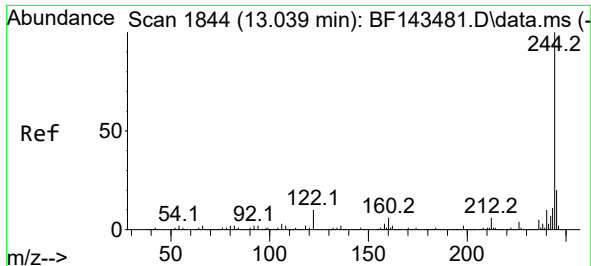
Tgt Ion:248 Resp: 15080
Ion Ratio Lower Upper
248 100
250 200.8 77.8 116.8#
141 457.3 54.0 81.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143507.D
Acq: 21 Aug 2025 02:25

Tgt Ion:240 Resp: 227079
Ion Ratio Lower Upper
240 100
120 11.2 8.6 12.8
236 24.9 20.4 30.6

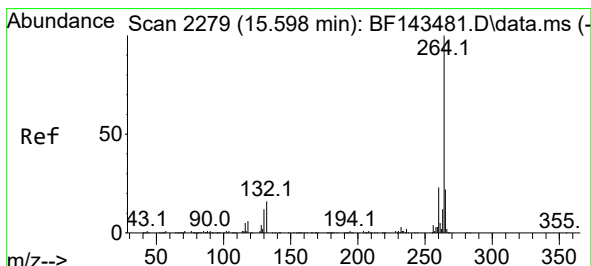
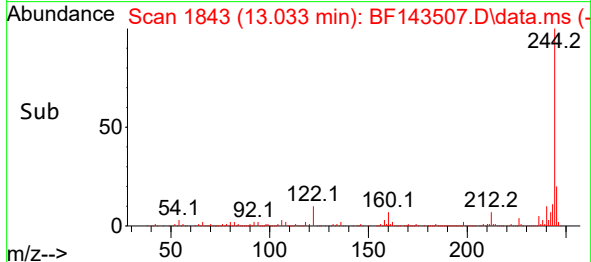
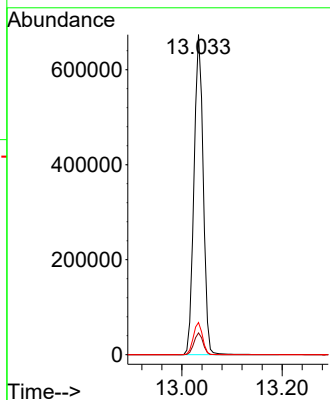
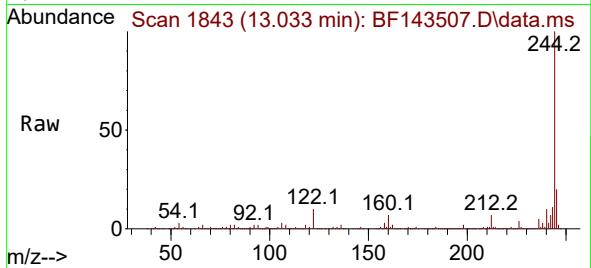




#79
 Terphenyl-d14
 Concen: 65.696 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143507.D
 Acq: 21 Aug 2025 02:25

Instrument :
 BNA_F
 ClientSampleId :
 38M-W

Tgt Ion:244 Resp: 854893
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.2 7.8
 122 10.0 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143507.D
 Acq: 21 Aug 2025 02:25

Tgt Ion:264 Resp: 276806
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.7 28.1
 265 20.7 17.6 26.4

