

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143508.D
 Acq On : 21 Aug 2025 02:54
 Operator : RC/JU
 Sample : Q2819-19
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 38M-E

Quant Time: Aug 21 04:08:00 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)

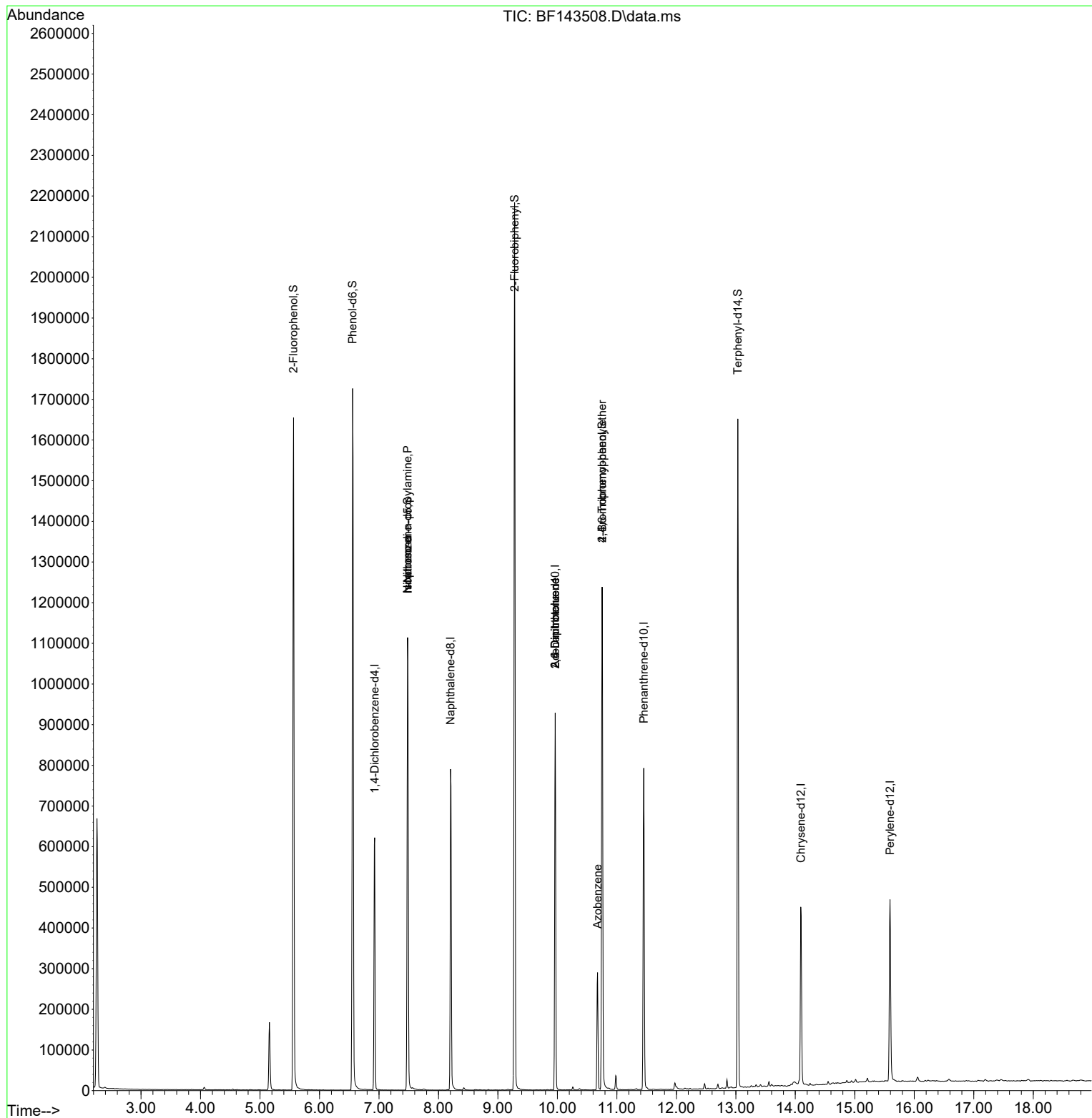
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	134162	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	513690	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	272115	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	411656	20.000	ng	0.00
76) Chrysene-d12	14.092	240	229541	20.000	ng	-0.01
86) Perylene-d12	15.592	264	280374	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	610870	79.507	ng	0.00
7) Phenol-d6	6.557	99	807216	85.108	ng	-0.02
23) Nitrobenzene-d5	7.481	82	501521	56.972	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	220877	87.200	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	948780	57.624	ng	0.00
79) Terphenyl-d14	13.033	244	791913	60.204	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	68245	11.772	ng	# 78
25) Isophorone	7.481	82	483376	29.955	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	34973	10.296	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	34973	7.711	ng	# 26
63) Azobenzene	10.675	77	73906	4.851	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	14671	2.987	ng	# 1

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

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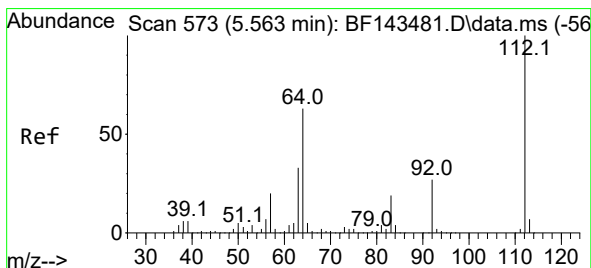
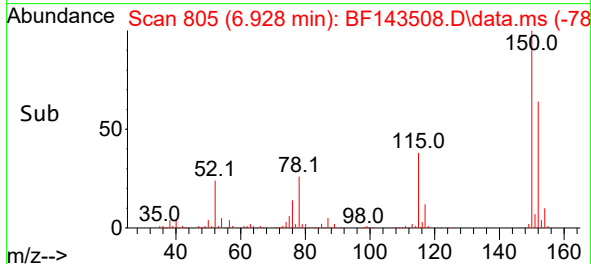
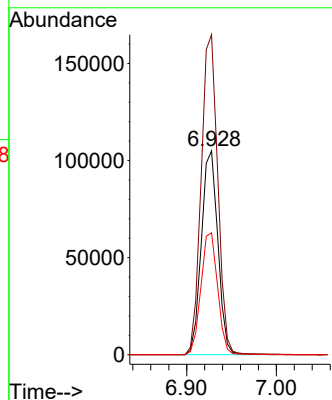
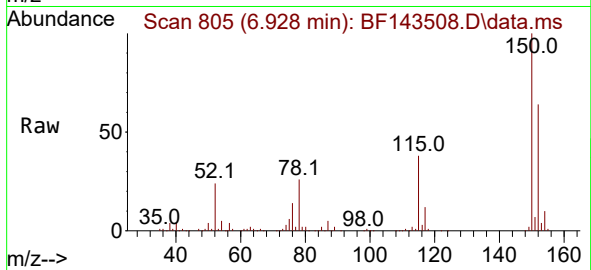




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

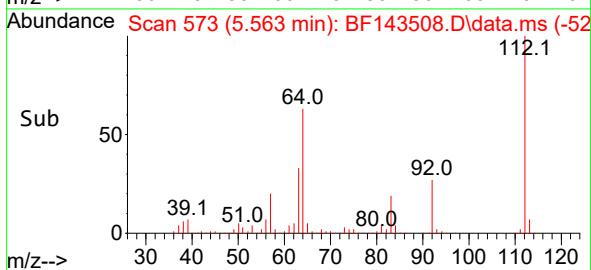
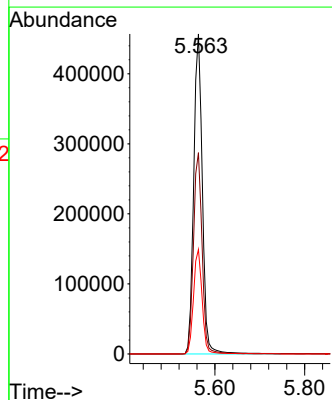
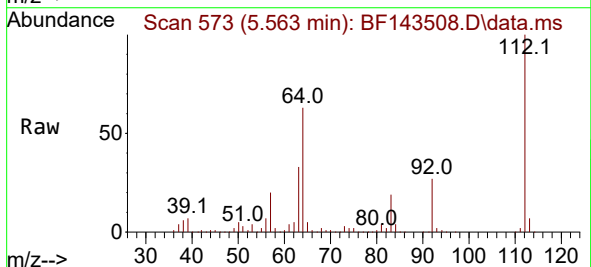
Instrument :
BNA_F
ClientSampleId :
38M-E

Tgt Ion:152 Resp: 134162
Ion Ratio Lower Upper
152 100
150 157.0 128.9 193.3
115 59.8 49.2 73.8



#5
2-Fluorophenol
Concen: 79.507 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Tgt Ion:112 Resp: 610870
Ion Ratio Lower Upper
112 100
64 62.9 50.4 75.6
63 32.6 26.4 39.6

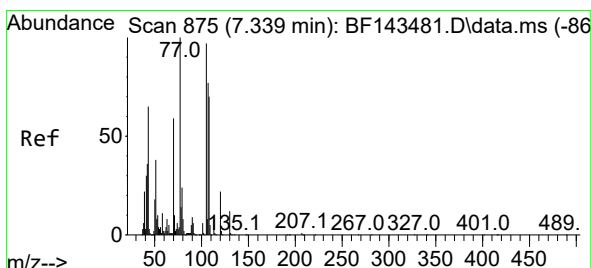
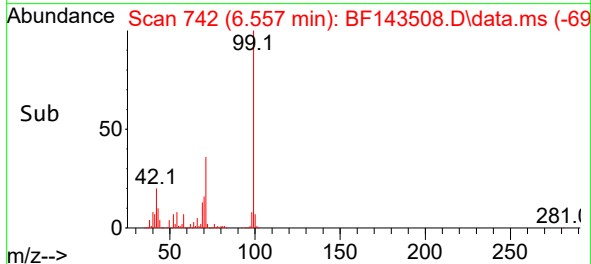
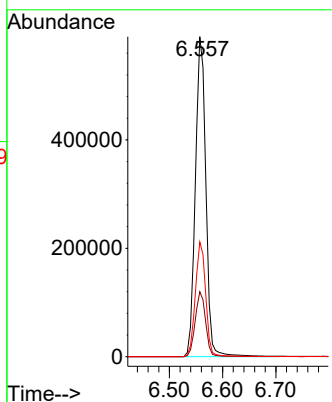
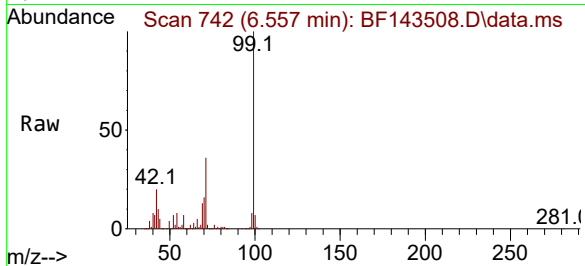




#7
Phenol-d6
Concen: 85.108 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

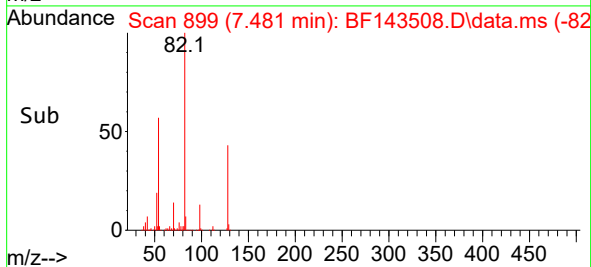
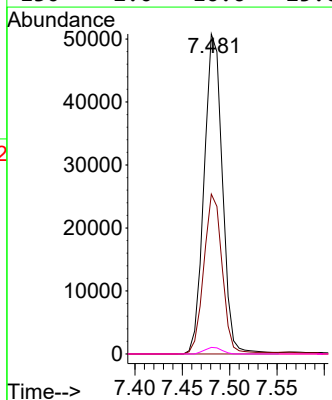
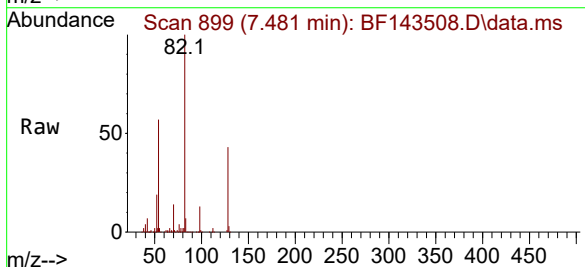
Instrument :
BNA_F
ClientSampleId :
38M-E

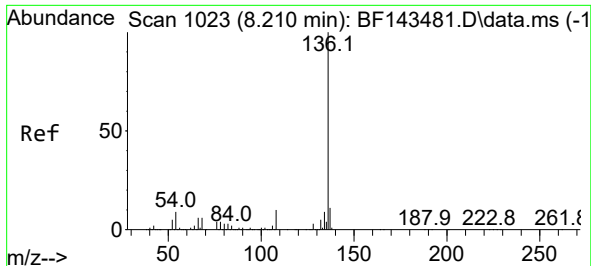
Tgt Ion: 99 Resp: 807216
Ion Ratio Lower Upper
99 100
42 20.3 16.3 24.5
71 35.9 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.772 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Tgt Ion: 70 Resp: 68245
Ion Ratio Lower Upper
70 100
42 49.9 49.3 73.9
101 0.0 7.8 11.8#
130 2.0 16.6 25.0#



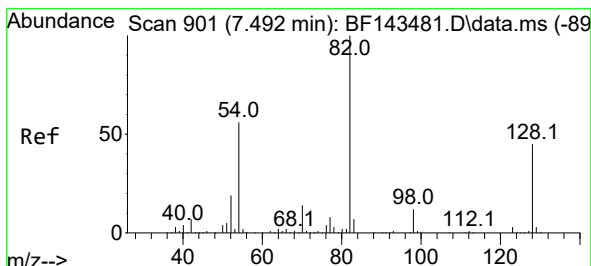
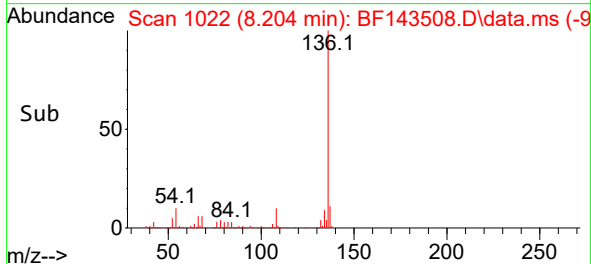
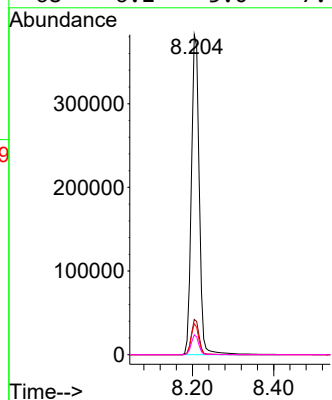
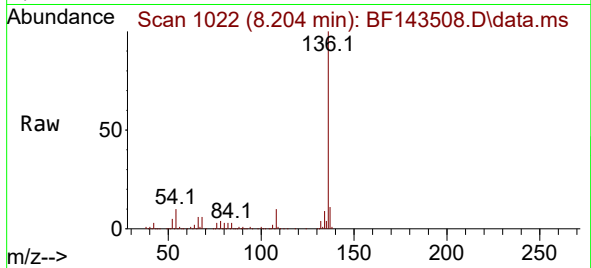


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Instrument :
BNA_F
ClientSampleId :
38M-E

Tgt Ion:136 Resp: 513690

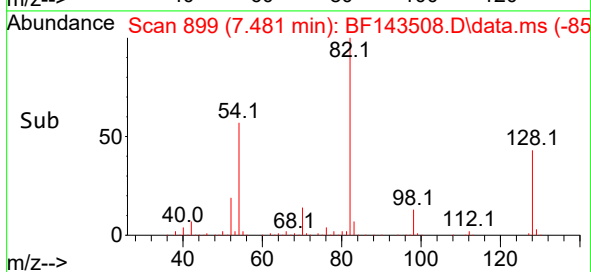
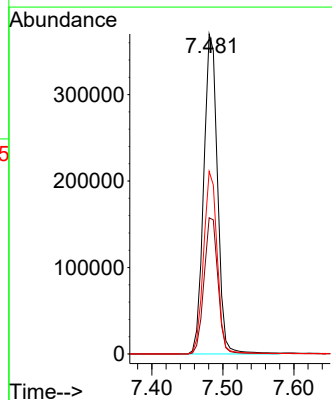
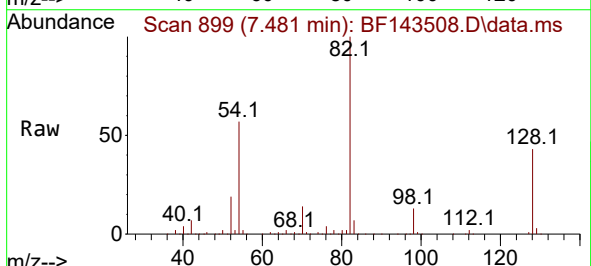
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.7	7.4	11.2
68	6.2	5.0	7.4

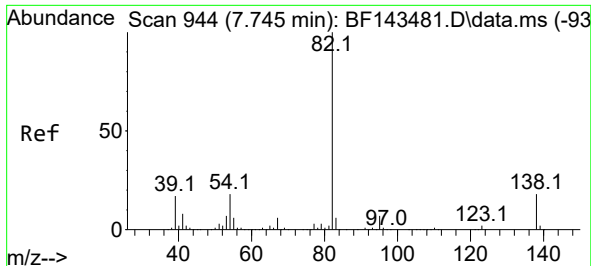


#23
Nitrobenzene-d5
Concen: 56.972 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Tgt Ion: 82 Resp: 501521

Ion	Ratio	Lower	Upper
82	100		
128	42.6	35.5	53.3
54	57.0	44.3	66.5

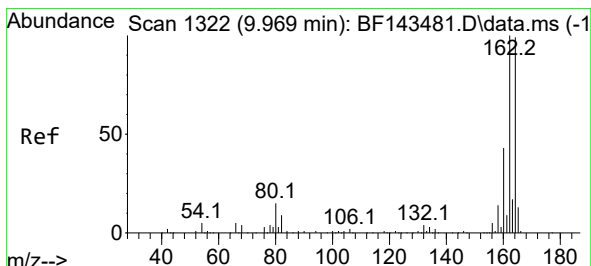
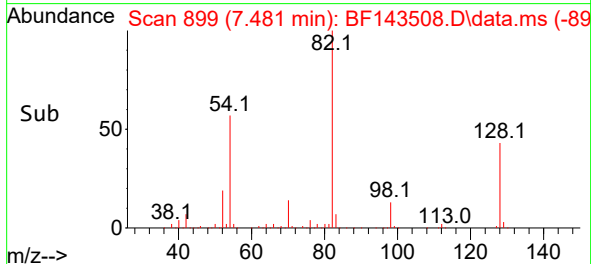
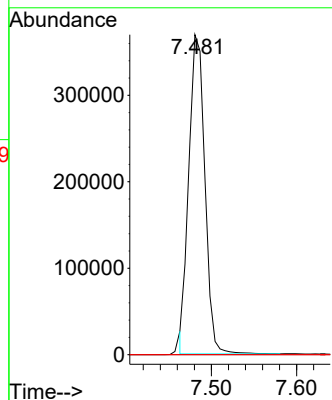
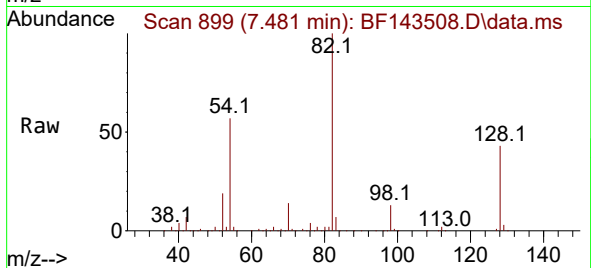




#25
Isophorone
Concen: 29.955 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.277 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

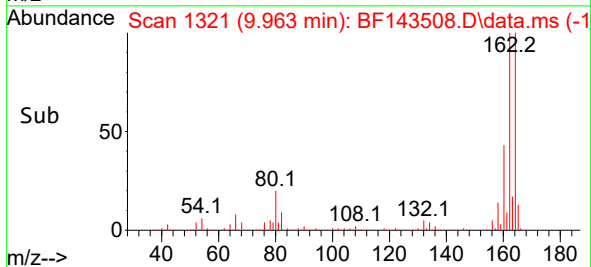
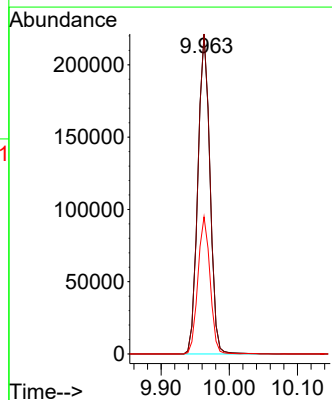
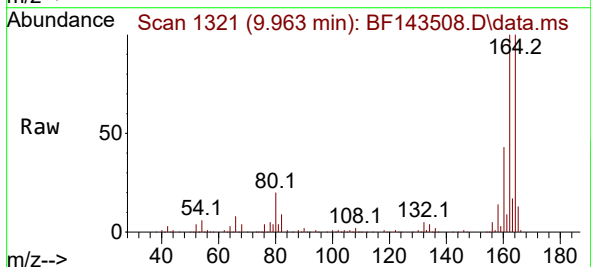
Instrument :
BNA_F
ClientSampleId :
38M-E

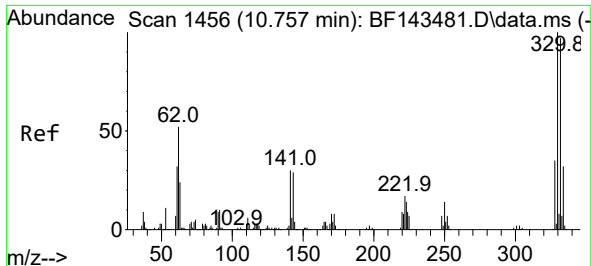
Tgt Ion: 82 Resp: 483376
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Tgt Ion:164 Resp: 272115
Ion Ratio Lower Upper
164 100
162 100.2 80.5 120.7
160 42.9 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 87.200 ng

RT: 10.751 min Scan# 1456

Delta R.T. -0.012 min

Lab File: BF143508.D

Acq: 21 Aug 2025 02:54

Instrument :

BNA_F

ClientSampleId :

38M-E

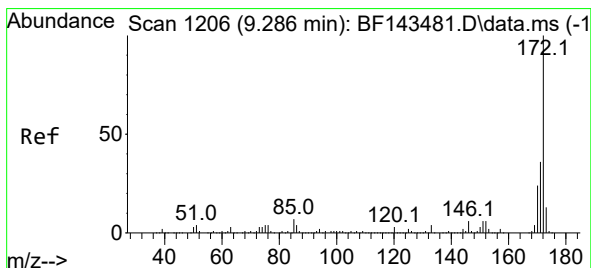
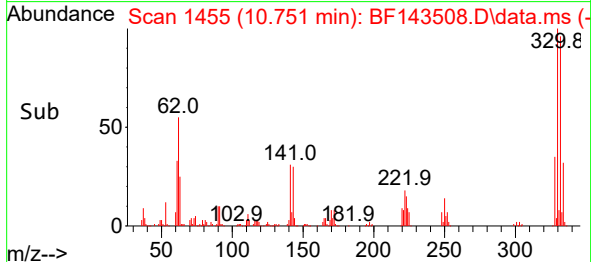
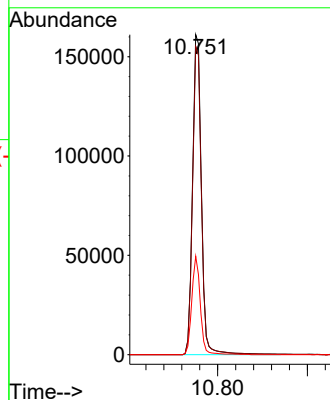
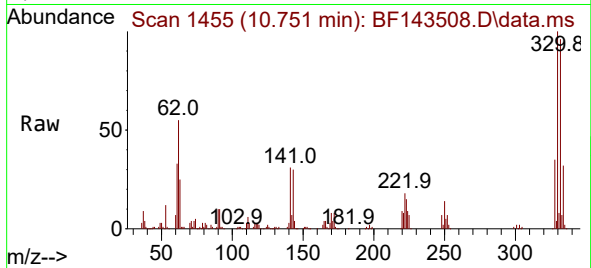
Tgt Ion:330 Resp: 220877

Ion Ratio Lower Upper

330 100

332 96.3 78.0 117.0

141 29.7 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 57.624 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143508.D

Acq: 21 Aug 2025 02:54

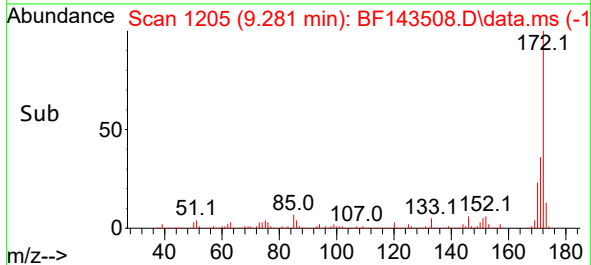
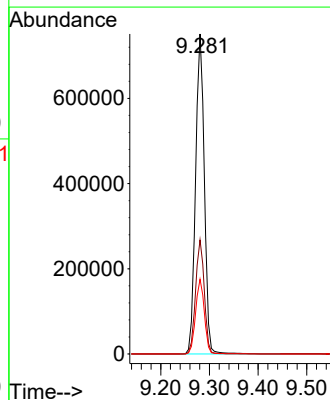
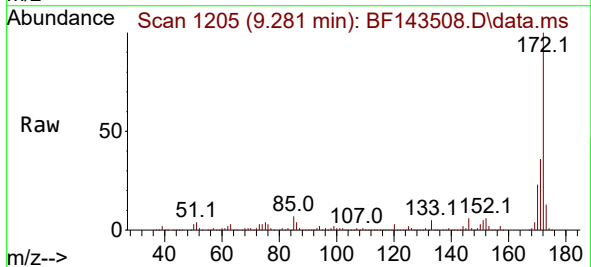
Tgt Ion:172 Resp: 948780

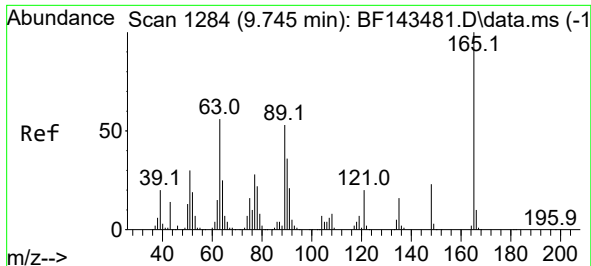
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.3 18.8 28.2

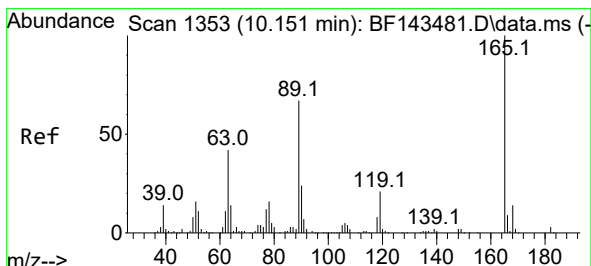
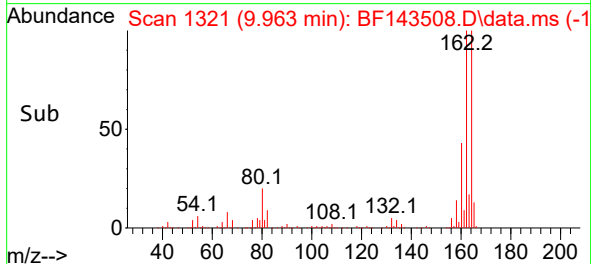
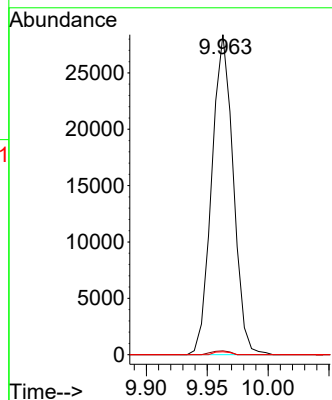
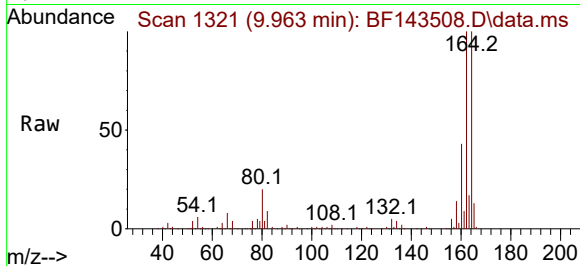




#51
2,6-Dinitrotoluene
Concen: 10.296 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

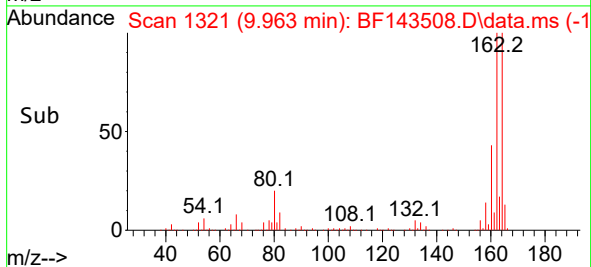
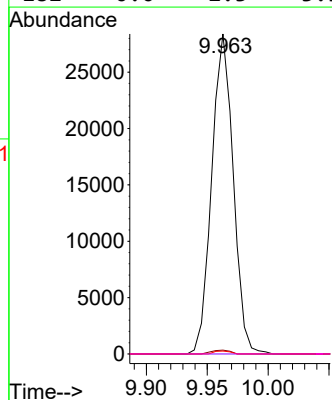
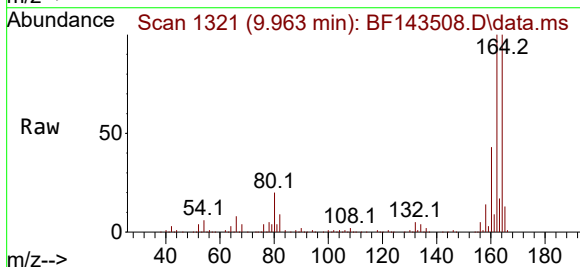
Instrument :
BNA_F
ClientSampleId :
38M-E

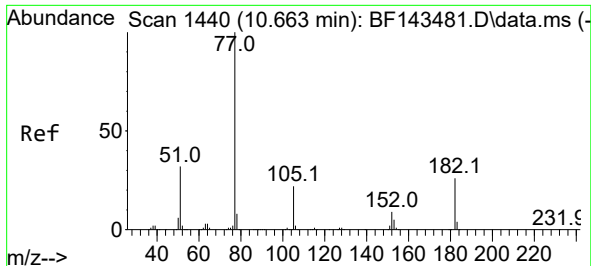
Tgt Ion:165 Resp: 34973
Ion Ratio Lower Upper
165 100
63 1.2 45.0 67.6#
89 0.9 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.711 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Tgt Ion:165 Resp: 34973
Ion Ratio Lower Upper
165 100
63 1.2 34.9 52.3#
89 0.9 53.3 79.9#
182 0.0 2.3 3.5#

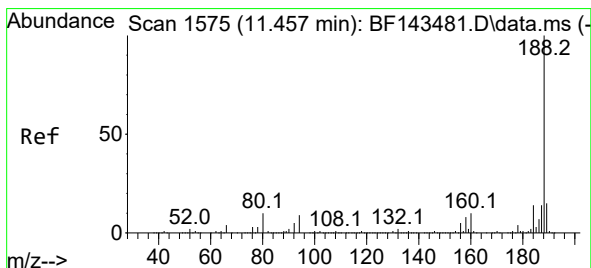
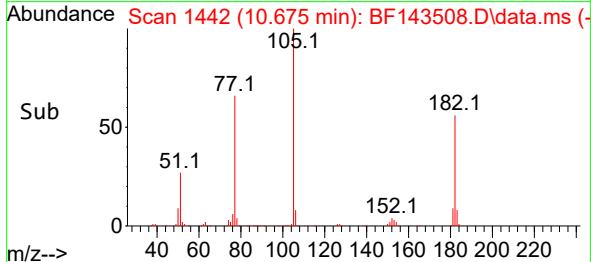
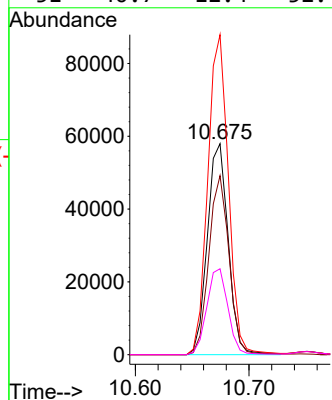
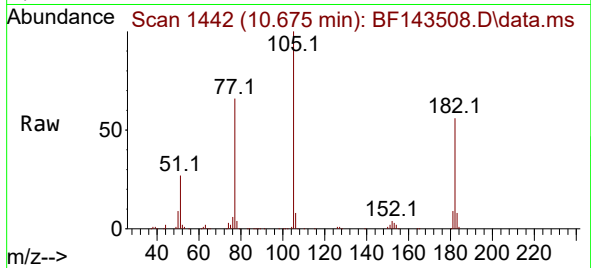




#63
 Azobenzene
 Concen: 4.851 ng
 RT: 10.675 min Scan# 1440
 Delta R.T. 0.006 min
 Lab File: BF143508.D
 Acq: 21 Aug 2025 02:54

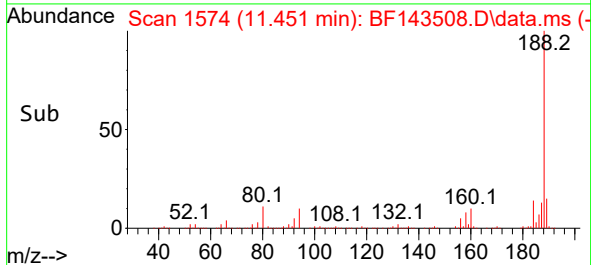
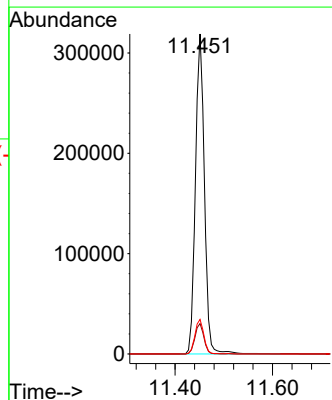
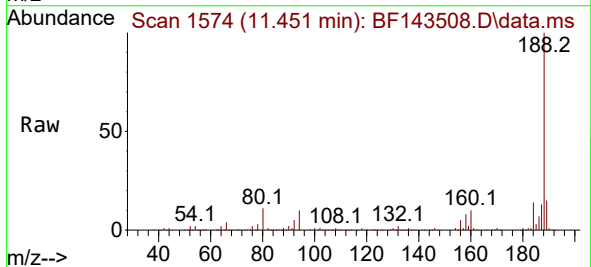
Instrument :
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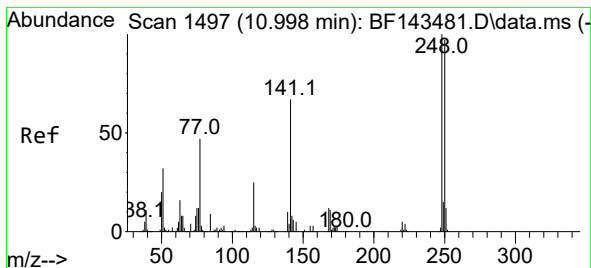
Tgt Ion: 77	Resp: 73906
Ion Ratio	Lower Upper
77	100
182	84.9 6.2 46.2#
105	151.6 2.2 42.2#
51	40.7 12.4 52.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.451 min Scan# 1574
 Delta R.T. -0.006 min
 Lab File: BF143508.D
 Acq: 21 Aug 2025 02:54

Tgt Ion: 188	Resp: 411656
Ion Ratio	Lower Upper
188	100
94	9.5 7.4 11.2
80	10.8 8.2 12.4

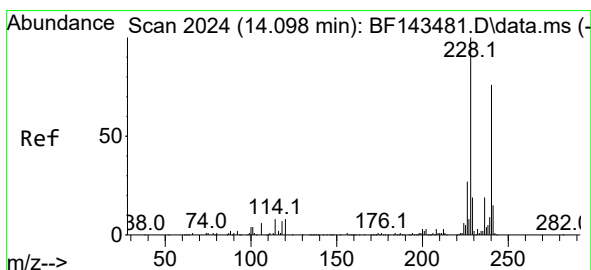
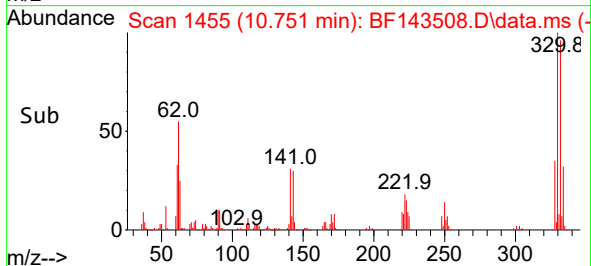
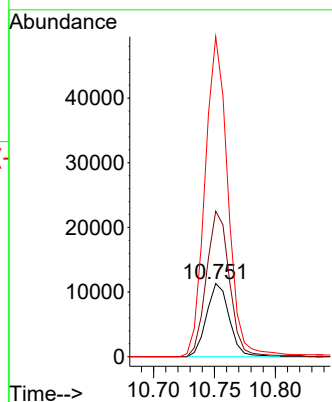
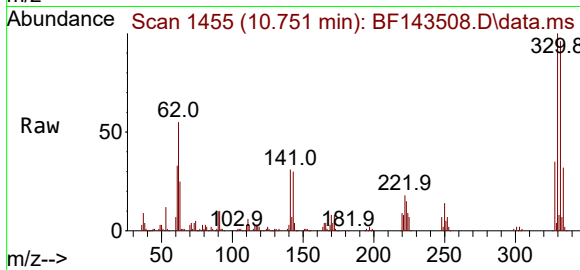




#67
4-Bromophenyl-phenylether
Concen: 2.987 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

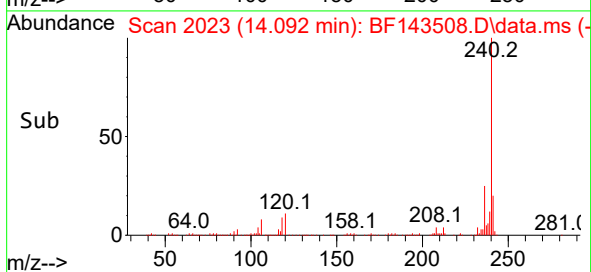
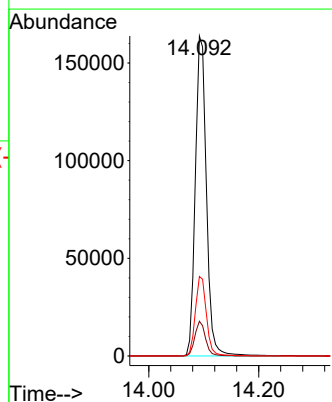
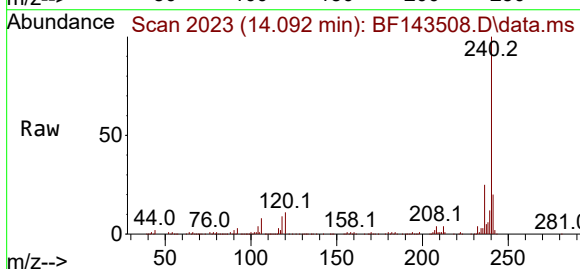
Instrument :
BNA_F
ClientSampleId :
38M-E

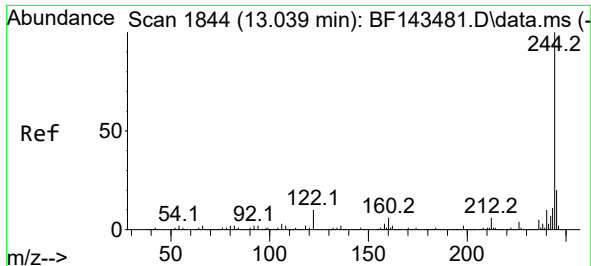
Tgt Ion:248 Resp: 14671
Ion Ratio Lower Upper
248 100
250 199.2 77.8 116.8#
141 437.8 54.0 81.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Tgt Ion:240 Resp: 229541
Ion Ratio Lower Upper
240 100
120 10.8 8.6 12.8
236 24.9 20.4 30.6

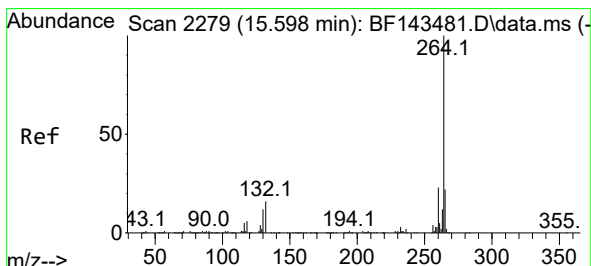
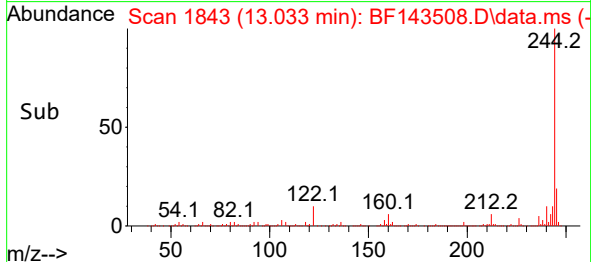
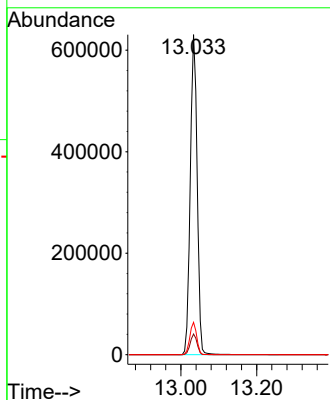
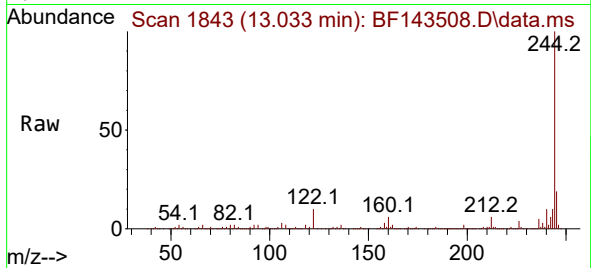




#79
 Terphenyl-d14
 Concen: 60.204 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143508.D
 Acq: 21 Aug 2025 02:54

Instrument :
 BNA_F
 ClientSampleId :
 38M-E

Tgt Ion:244 Resp: 791913
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.1 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: BF143508.D
 Acq: 21 Aug 2025 02:54

Tgt Ion:264 Resp: 280374
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 21.2 17.6 26.4

