

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143509.D
 Acq On : 21 Aug 2025 03:23
 Operator : RC/JU
 Sample : Q2892-06
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BACK-1-FLOOR-CENTER-MIDDLE-C

Quant Time: Aug 21 04:08:14 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)

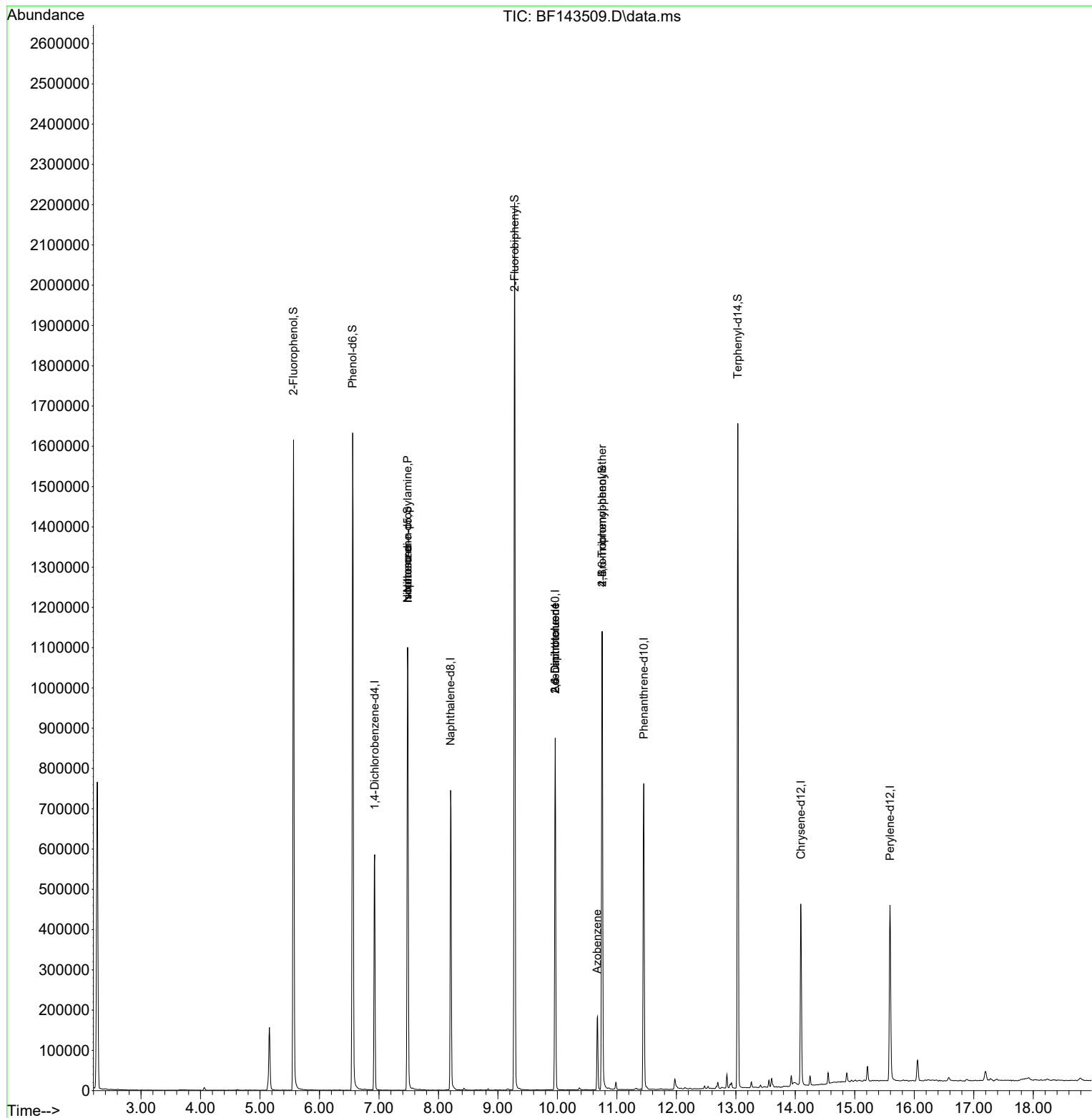
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	125725	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	486530	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	260239	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	396443	20.000	ng	0.00
76) Chrysene-d12	14.092	240	231166	20.000	ng	-0.01
86) Perylene-d12	15.592	264	270479	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	586400	81.444	ng	0.00
7) Phenol-d6	6.557	99	751631	84.566	ng	-0.02
23) Nitrobenzene-d5	7.481	82	494493	59.310	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	200846	82.911	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	961222	61.043	ng	0.00
79) Terphenyl-d14	13.033	244	787373	59.438	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	68164	12.547	ng	# 79
25) Isophorone	7.481	82	477474	31.241	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	33287	10.247	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	33287	7.674	ng	# 26
63) Azobenzene	10.669	77	47895	3.287	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	13488	2.851	ng	# 1

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

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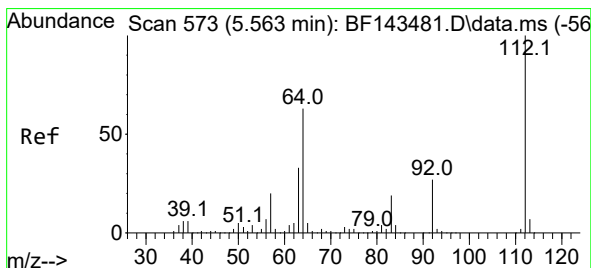
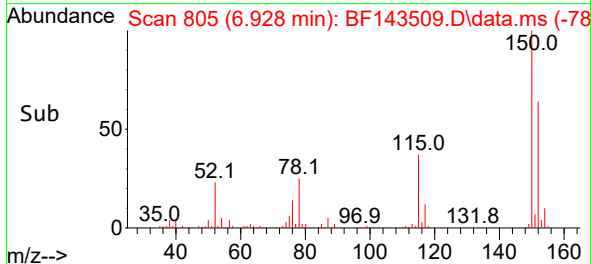
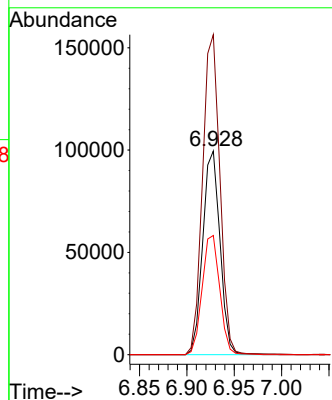
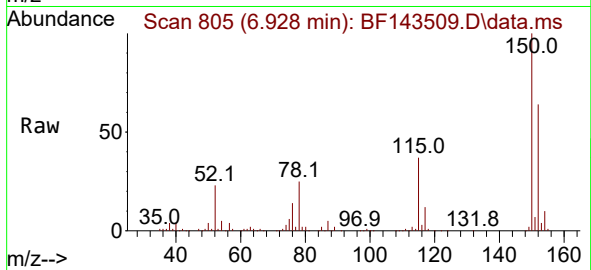




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

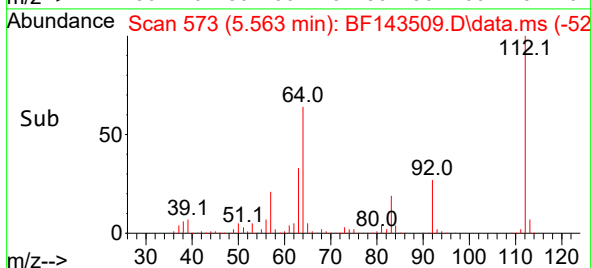
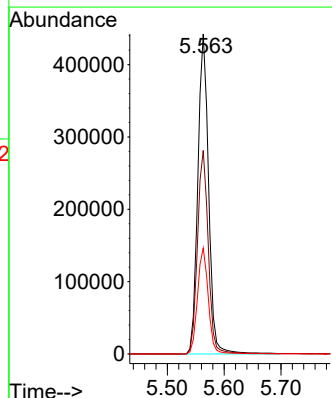
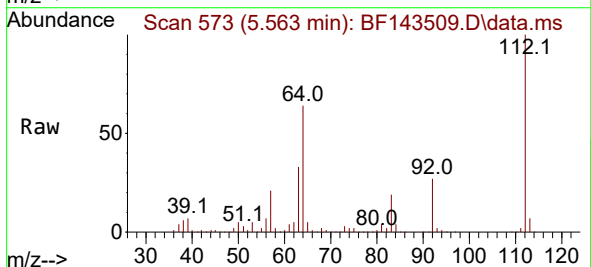
Instrument :
BNA_F
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

Tgt Ion:152 Resp: 125725
Ion Ratio Lower Upper
152 100
150 157.1 128.9 193.3
115 58.5 49.2 73.8



#5
2-Fluorophenol
Concen: 81.444 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

Tgt Ion:112 Resp: 586400
Ion Ratio Lower Upper
112 100
64 63.6 50.4 75.6
63 33.1 26.4 39.6

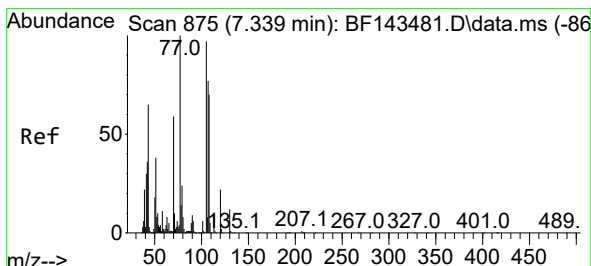
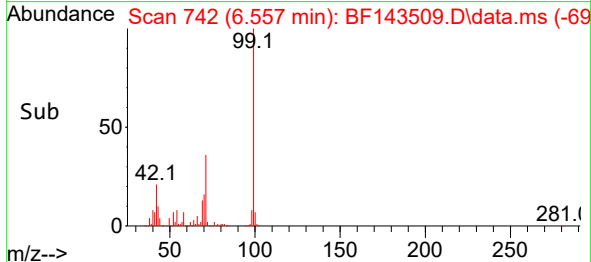
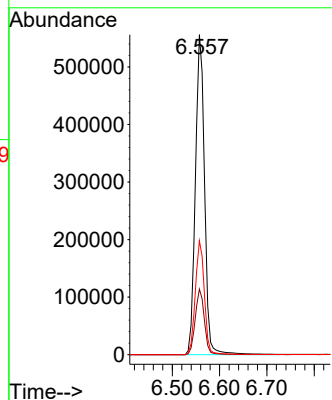
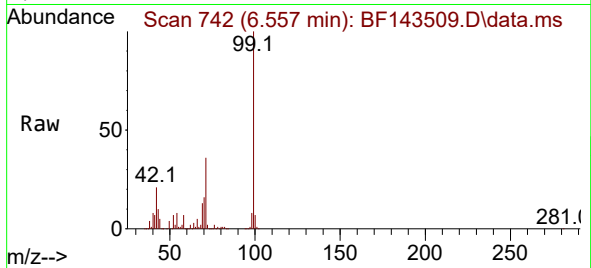




#7
Phenol-d6
Concen: 84.566 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

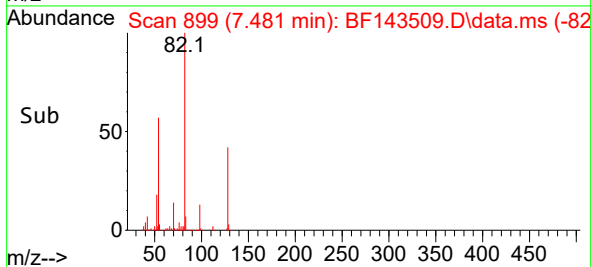
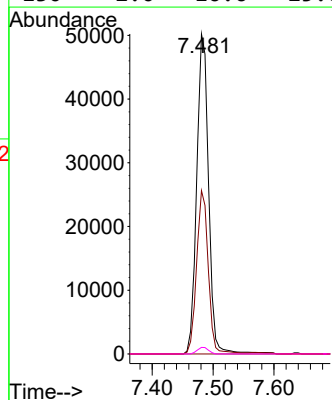
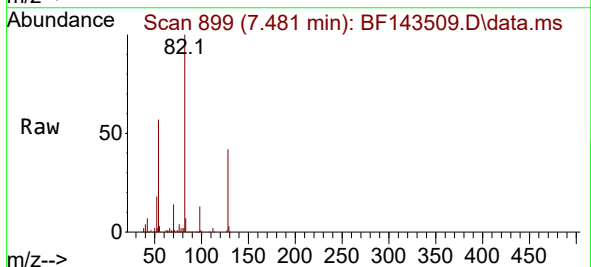
Instrument :
BNA_F
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

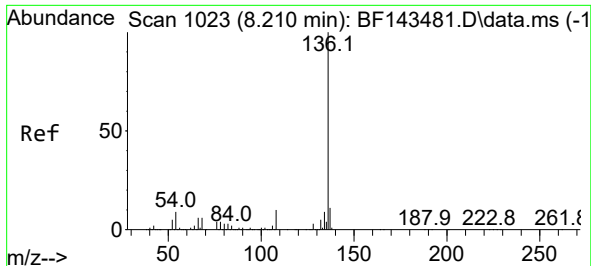
Tgt Ion: 99 Resp: 751631
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 35.6 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.547 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

Tgt Ion: 70 Resp: 68164
Ion Ratio Lower Upper
70 100
42 51.0 49.3 73.9
101 0.0 7.8 11.8#
130 2.0 16.6 25.0#



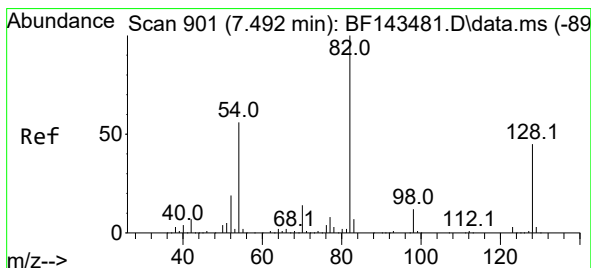
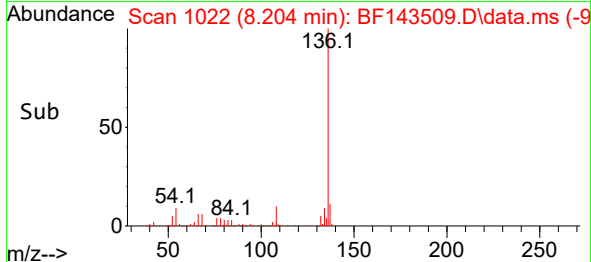
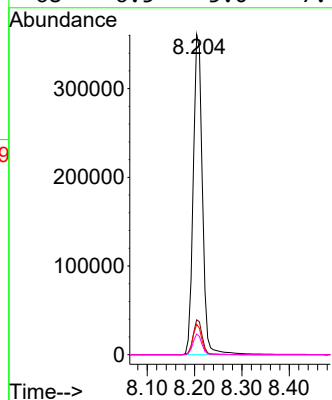
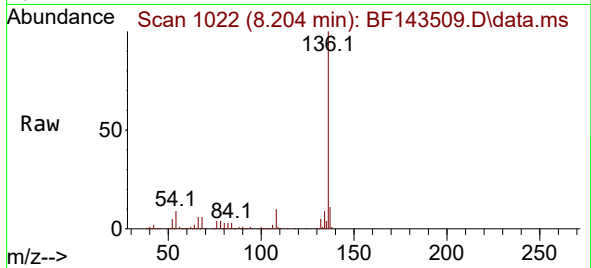


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

Instrument :
BNA_F
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

Tgt Ion:136 Resp: 486530

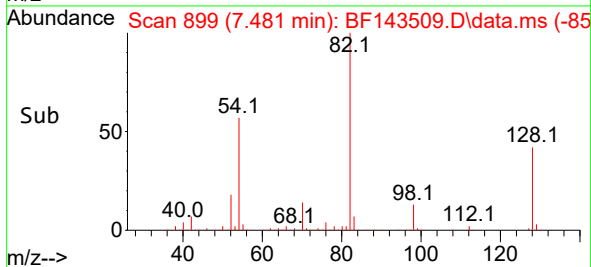
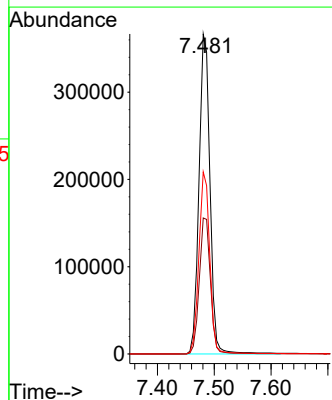
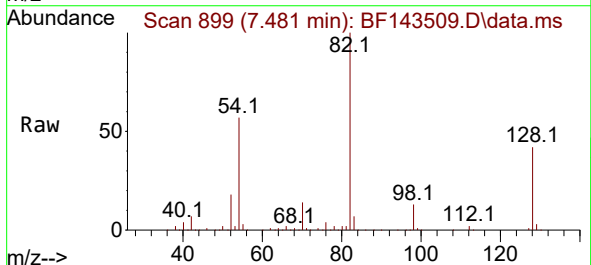
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	9.5	7.4	11.2
68	6.5	5.0	7.4

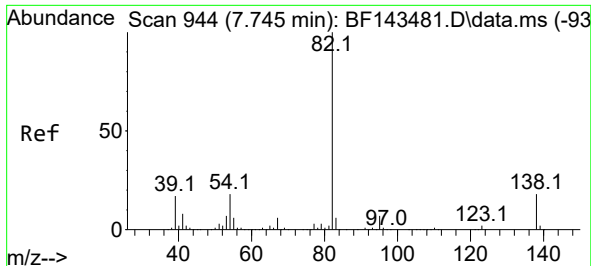


#23
Nitrobenzene-d5
Concen: 59.310 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

Tgt Ion: 82 Resp: 494493

Ion	Ratio	Lower	Upper
82	100		
128	42.5	35.5	53.3
54	56.9	44.3	66.5

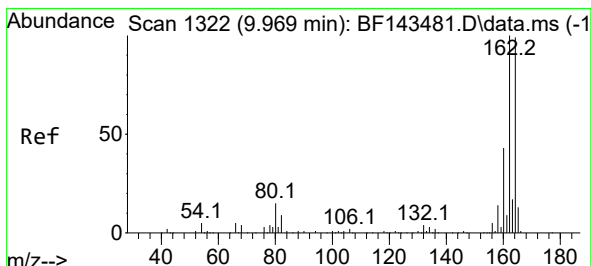
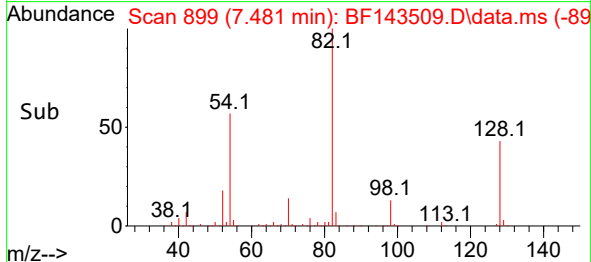
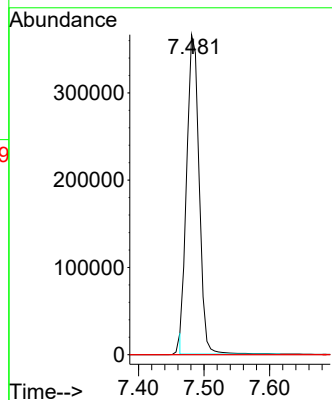
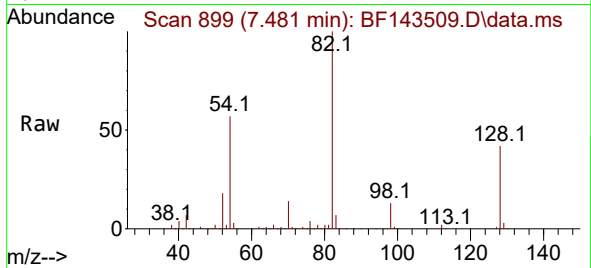




#25
Isophorone
Concen: 31.241 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.276 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

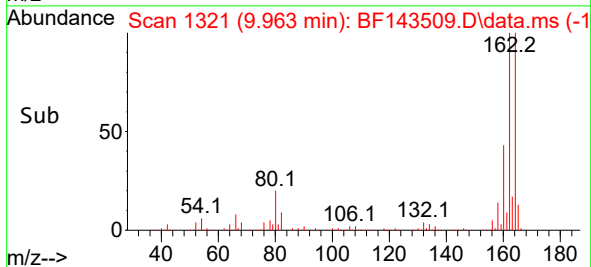
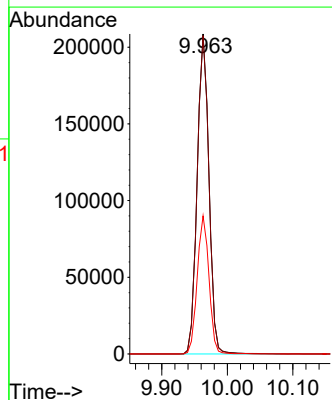
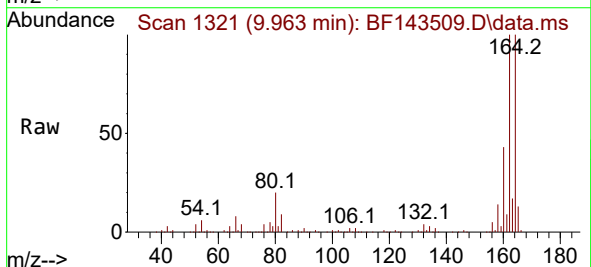
Instrument :
BNA_F
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

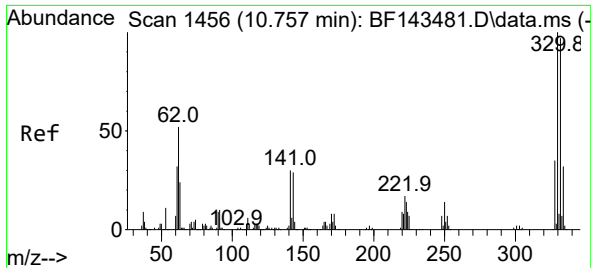
Tgt Ion: 82 Resp: 477474
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

Tgt Ion:164 Resp: 260239
Ion Ratio Lower Upper
164 100
162 99.5 80.5 120.7
160 43.2 34.3 51.5

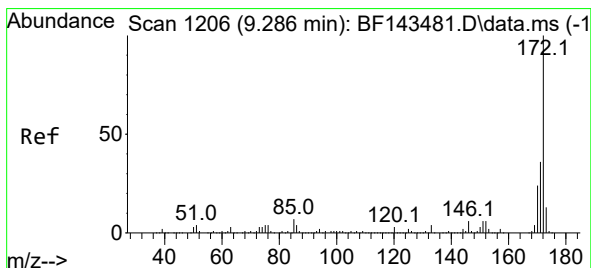
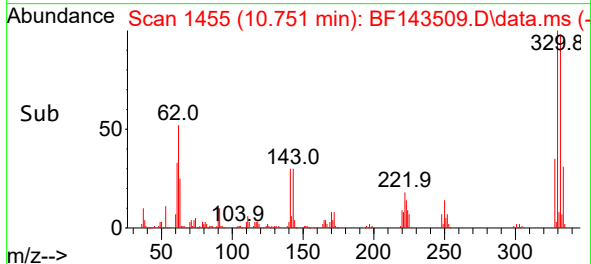
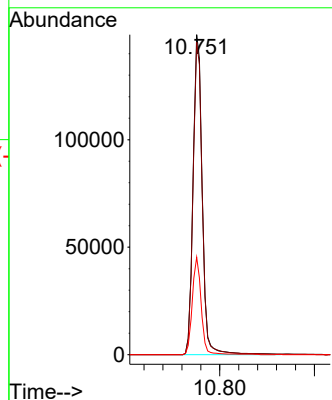
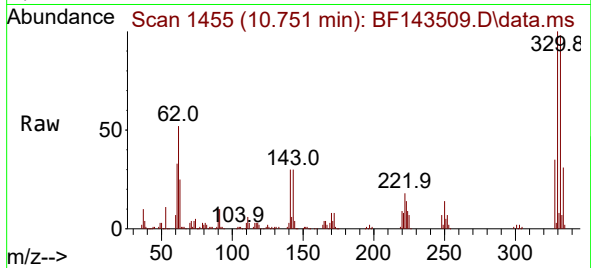




#42
2,4,6-Tribromophenol
Concen: 82.911 ng
RT: 10.751 min Scan# 1456
Delta R.T. -0.012 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

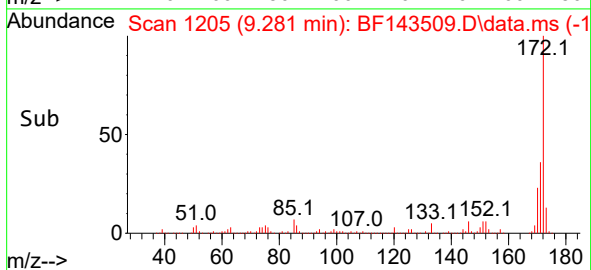
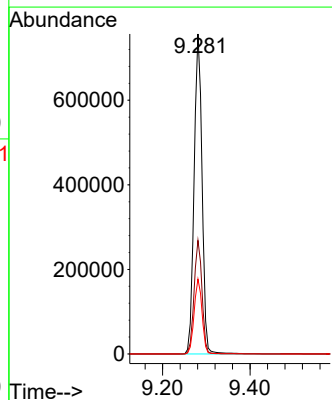
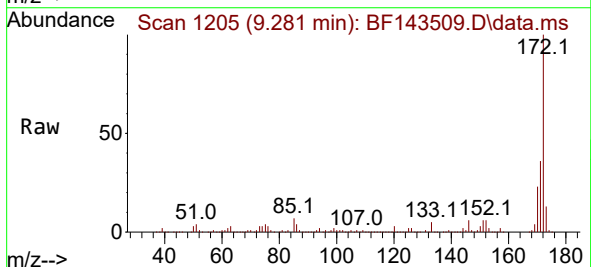
Instrument :
BNA_F
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

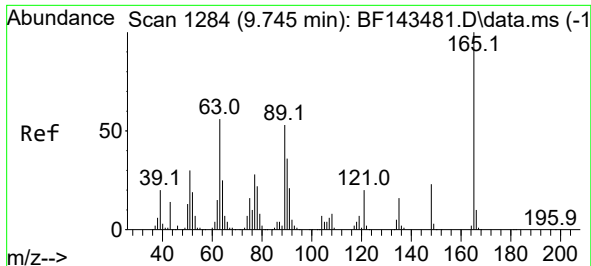
Tgt Ion:330 Resp: 200846
Ion Ratio Lower Upper
330 100
332 97.8 78.0 117.0
141 29.8 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 61.043 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

Tgt Ion:172 Resp: 961222
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.4 18.8 28.2

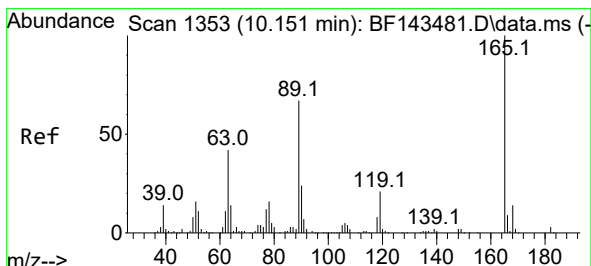
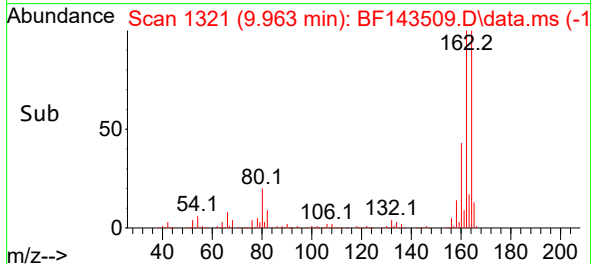
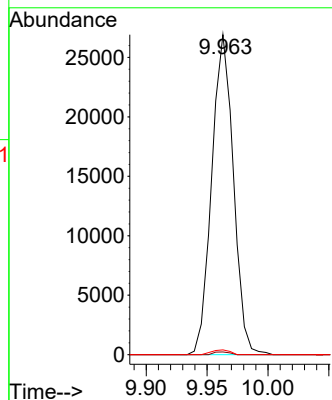
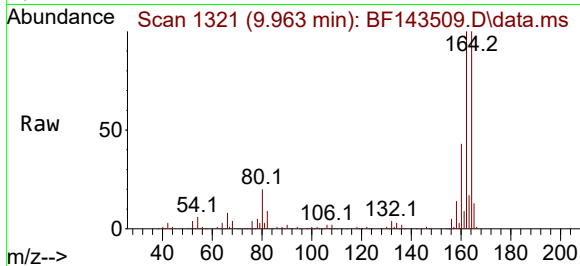




#51
2,6-Dinitrotoluene
Concen: 10.247 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

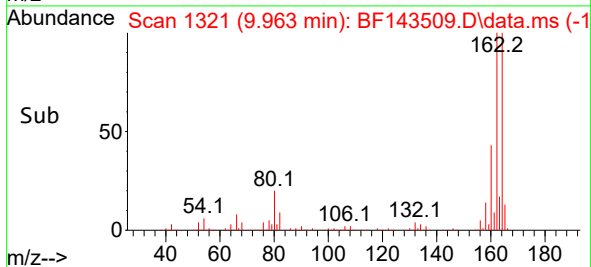
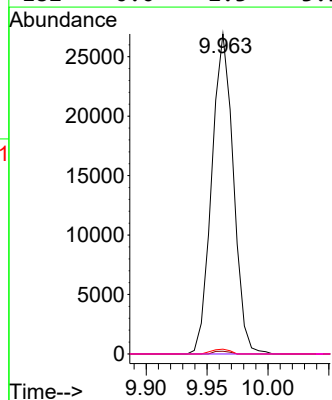
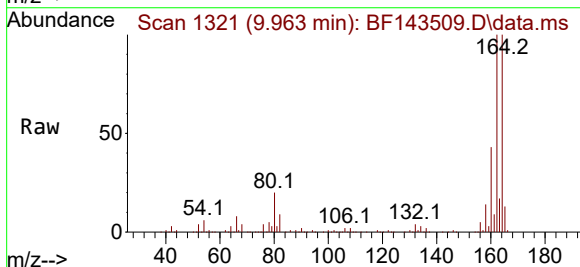
Instrument :
BNA_F
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

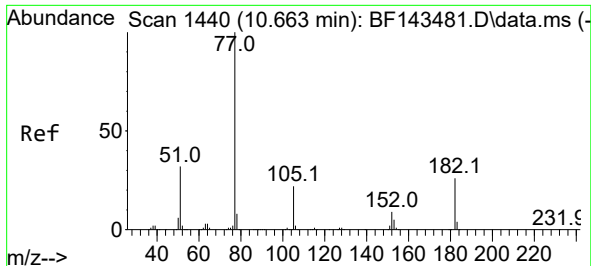
Tgt Ion:165 Resp: 33287
Ion Ratio Lower Upper
165 100
63 0.8 45.0 67.6#
89 1.5 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.674 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

Tgt Ion:165 Resp: 33287
Ion Ratio Lower Upper
165 100
63 0.8 34.9 52.3#
89 1.5 53.3 79.9#
182 0.0 2.3 3.5#

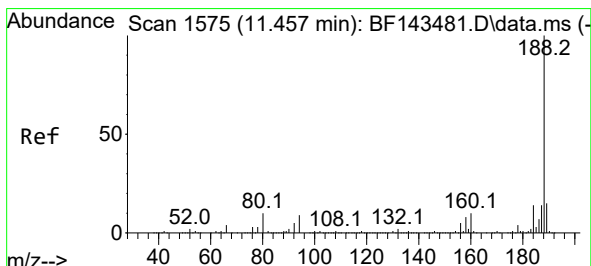
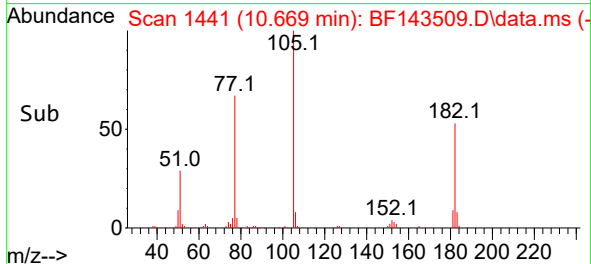
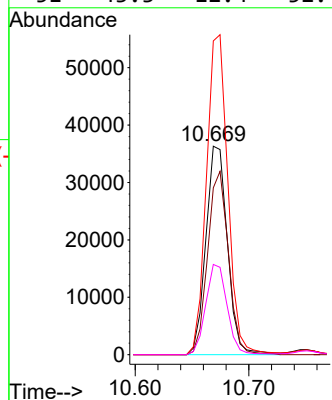
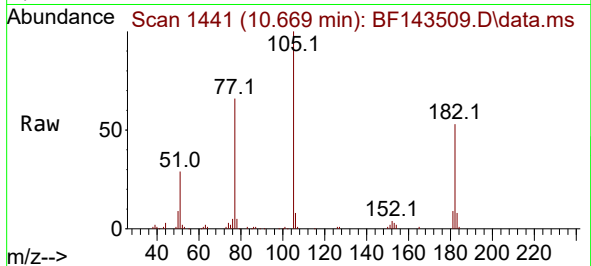




#63
Azobenzene
Concen: 3.287 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

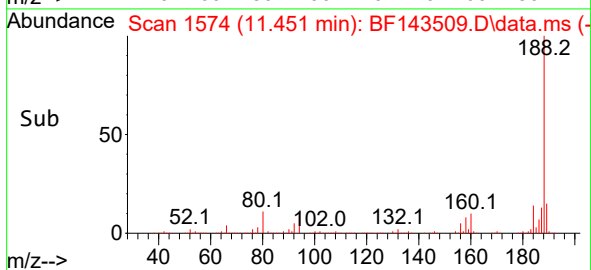
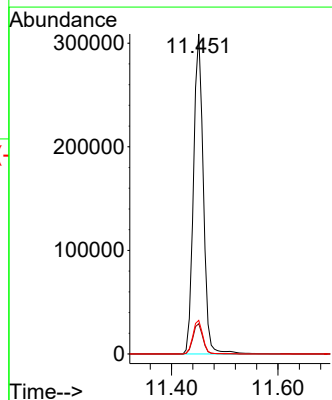
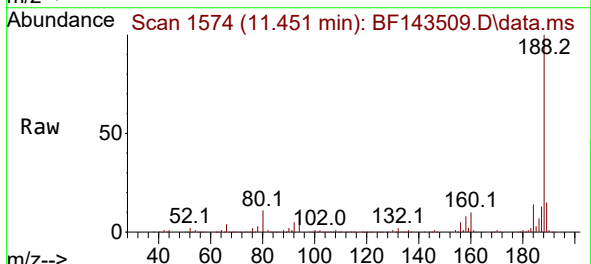
Instrument :
BNA_F
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

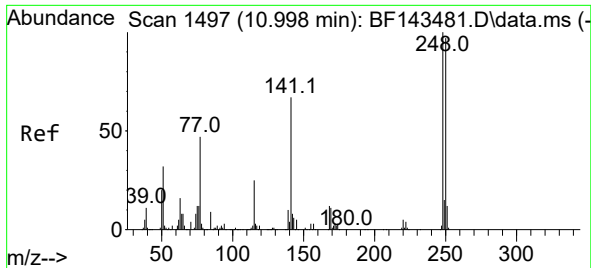
Tgt Ion: 77 Resp: 47895
Ion Ratio Lower Upper
77 100
182 80.0 6.2 46.2#
105 150.5 2.2 42.2#
51 43.3 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

Tgt Ion: 188 Resp: 396443
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.5 8.2 12.4

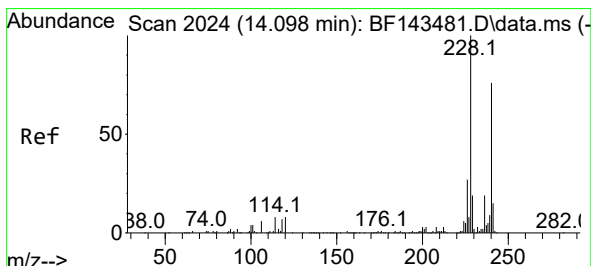
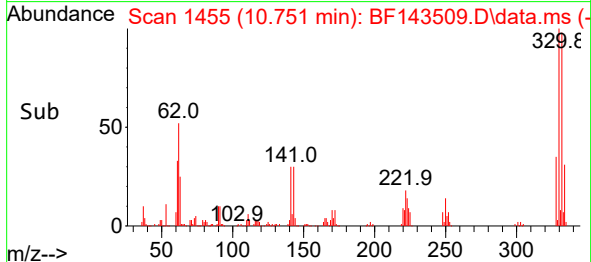
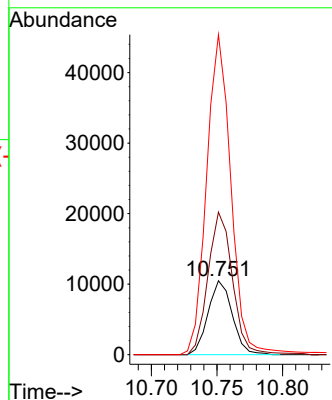
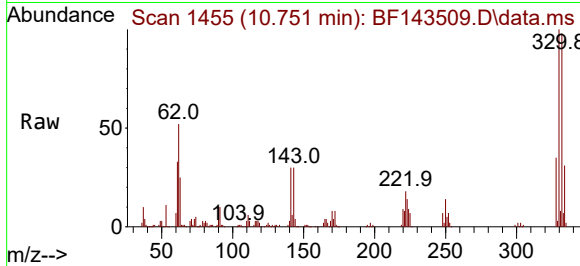




#67
4-Bromophenyl-phenylether
Concen: 2.851 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

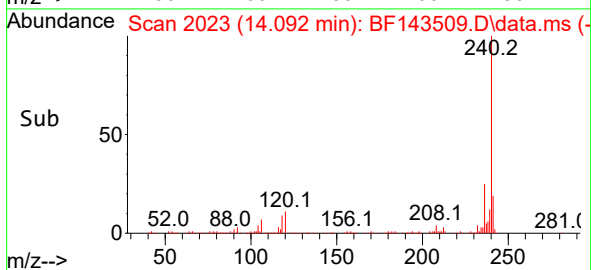
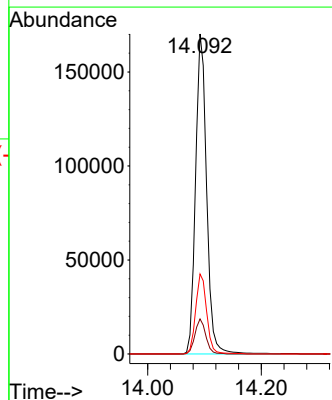
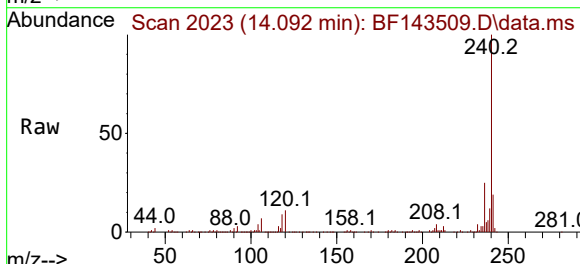
Instrument :
BNA_F
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

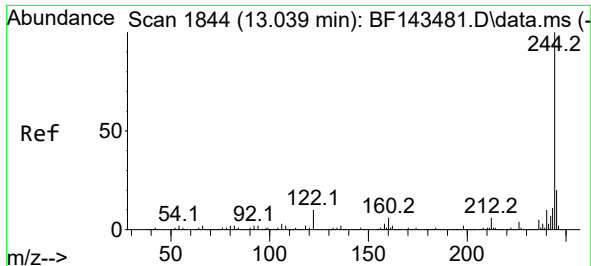
Tgt Ion:248 Resp: 13488
Ion Ratio Lower Upper
248 100
250 192.8 77.8 116.8#
141 432.7 54.0 81.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143509.D
Acq: 21 Aug 2025 03:23

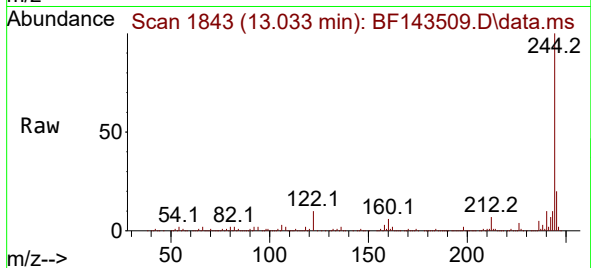
Tgt Ion:240 Resp: 231166
Ion Ratio Lower Upper
240 100
120 10.9 8.6 12.8
236 25.0 20.4 30.6



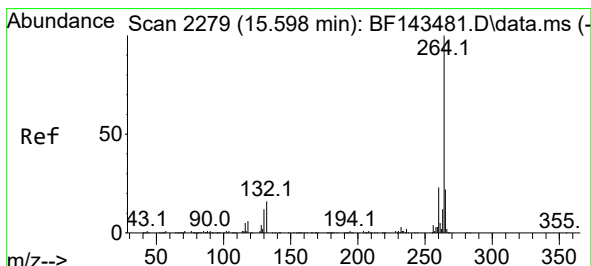
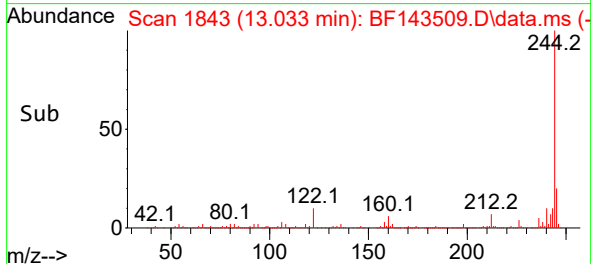
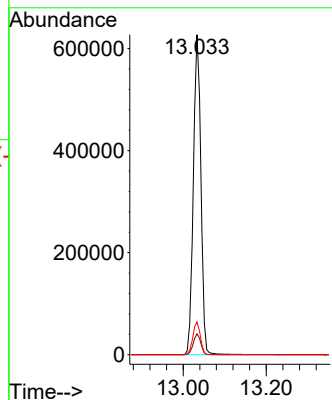


#79
 Terphenyl-d14
 Concen: 59.438 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143509.D
 Acq: 21 Aug 2025 03:23

Instrument :
 BNA_F
 ClientSampleId :
 BACK-1-FLOOR-CENTER-MIDDLE-C



Tgt Ion:244 Resp: 787373
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.2 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: BF143509.D
 Acq: 21 Aug 2025 03:23

Tgt Ion:264 Resp: 270479
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.7 28.1
 265 21.2 17.6 26.4

