

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143514.D
 Acq On : 21 Aug 2025 05:47
 Operator : RC/JU
 Sample : Q2815-11
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-22M-W

Quant Time: Aug 21 07:07:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

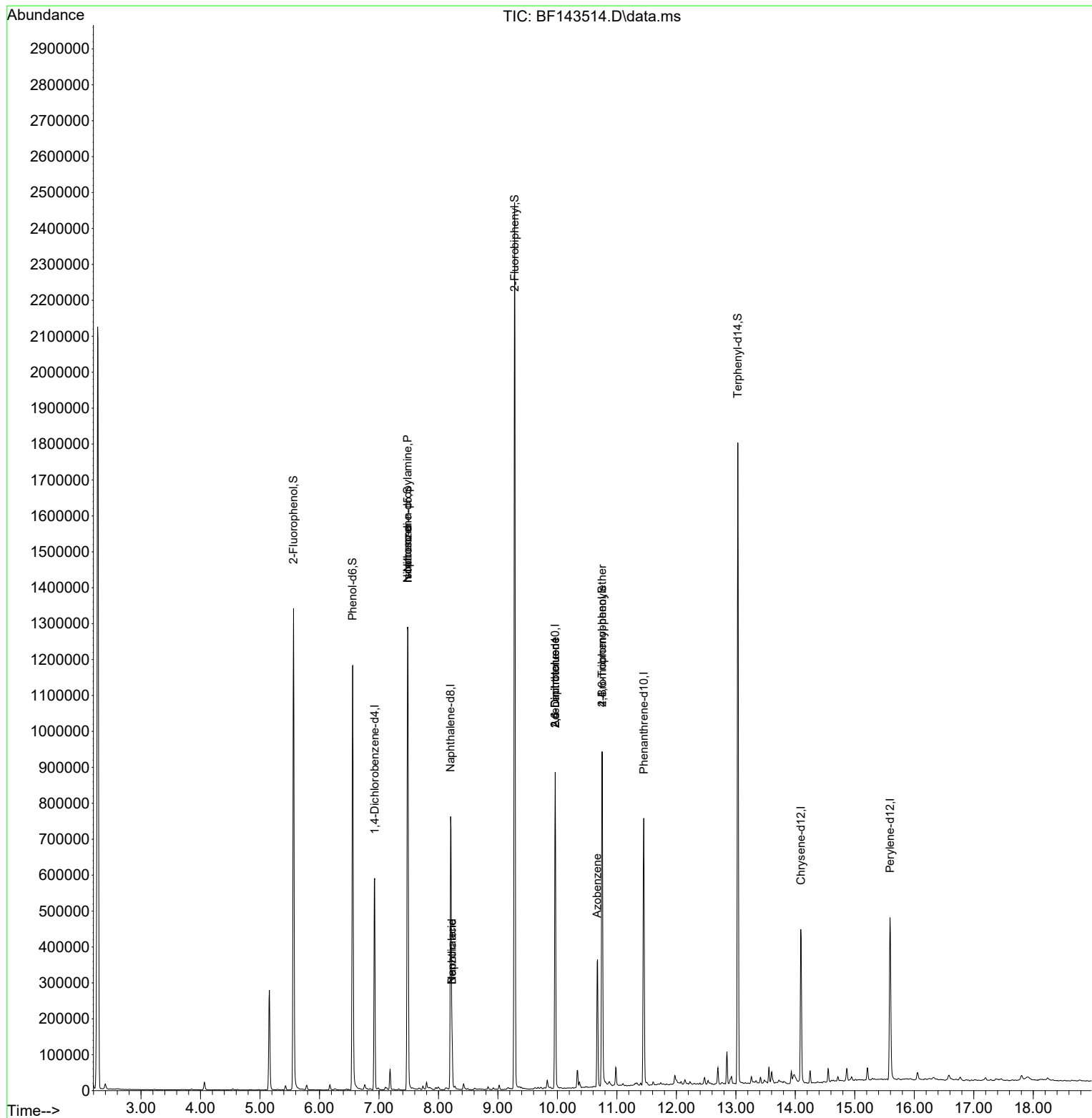
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	127726	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	485532	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	258859	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	382887	20.000	ng	0.00
76) Chrysene-d12	14.092	240	214981	20.000	ng	-0.01
86) Perylene-d12	15.592	264	273080	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	489925	66.978	ng	0.00
7) Phenol-d6	6.557	99	539974	59.801	ng	-0.02
23) Nitrobenzene-d5	7.481	82	605589	72.784	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	162433	67.411	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	1072072	68.446	ng	0.00
79) Terphenyl-d14	13.033	244	854665	69.375	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	82313	14.914	ng	# 80
25) Isophorone	7.481	82	585985	38.420	ng	# 65
31) Naphthalene	8.228	128	86571	3.714	ng	# 99
32) Benzoic acid	8.228	122	129	5.552	ng	# 1
51) 2,6-Dinitrotoluene	9.963	165	32691	10.117	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	32691	7.577	ng	# 26
63) Azobenzene	10.669	77	89182	6.153	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	10909	2.388	ng	# 1

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

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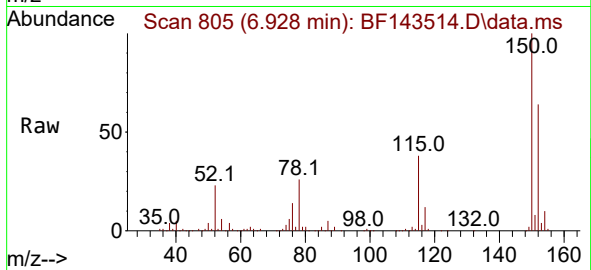
Quant Time: Aug 21 07:07:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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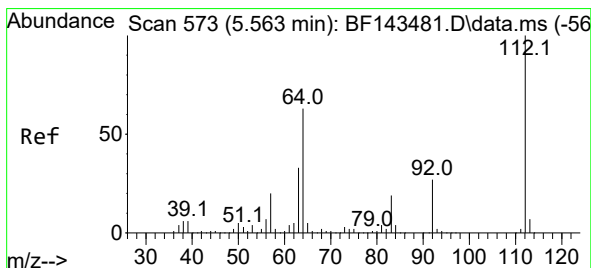
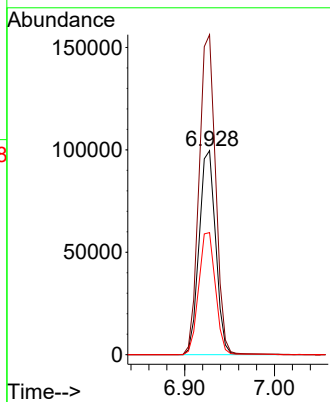
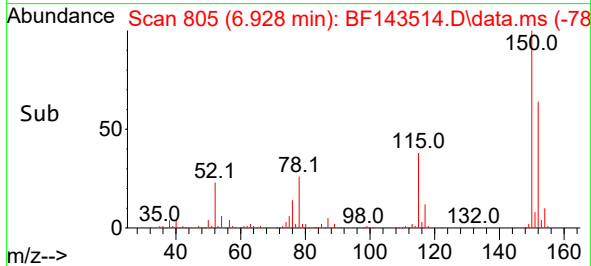


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143514.D
 Acq: 21 Aug 2025 05:47

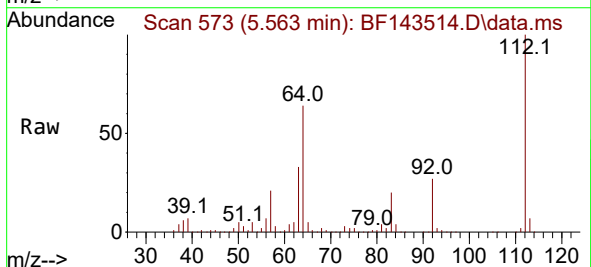
Instrument :
 BNA_F
 ClientSampleId :
 TW-22M-W



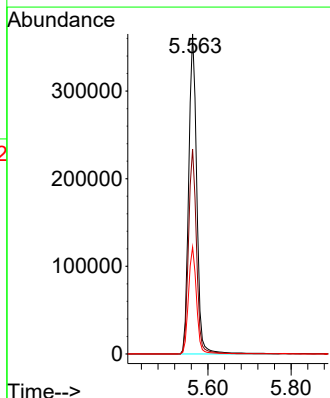
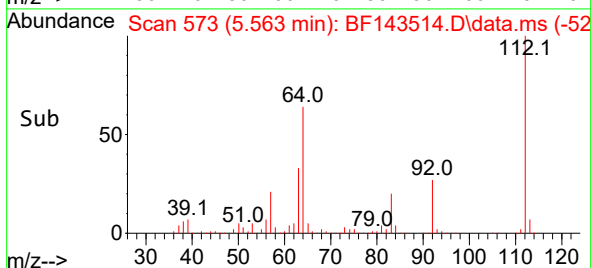
Tgt Ion:152 Resp: 127726
 Ion Ratio Lower Upper
 152 100
 150 156.9 128.9 193.3
 115 59.8 49.2 73.8

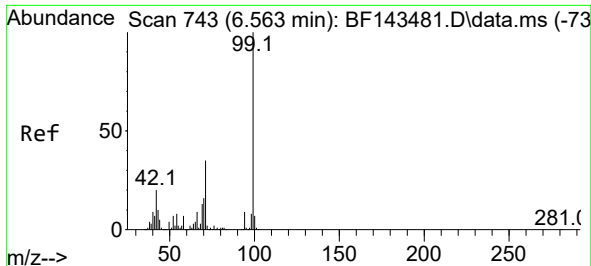


#5
 2-Fluorophenol
 Concen: 66.978 ng
 RT: 5.563 min Scan# 573
 Delta R.T. -0.000 min
 Lab File: BF143514.D
 Acq: 21 Aug 2025 05:47



Tgt Ion:112 Resp: 489925
 Ion Ratio Lower Upper
 112 100
 64 64.1 50.4 75.6
 63 33.4 26.4 39.6

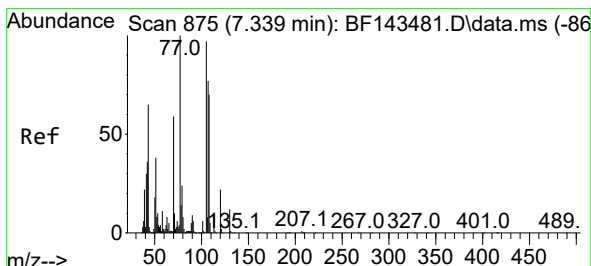
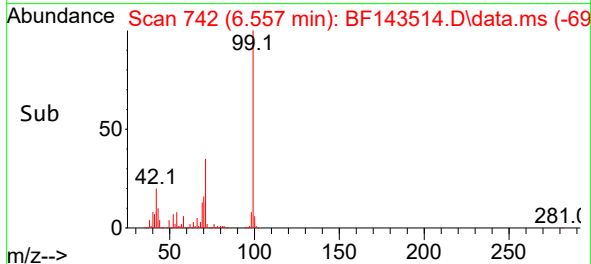
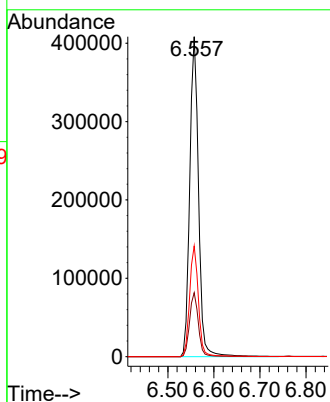
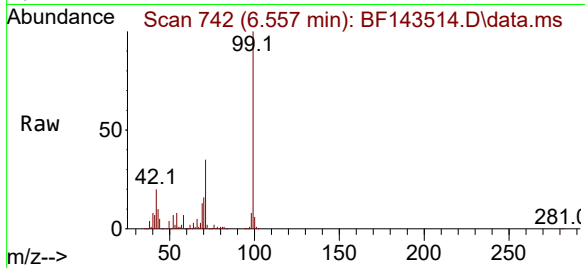




#7
Phenol-d6
Concen: 59.801 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

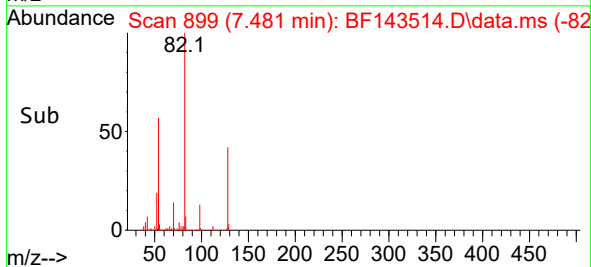
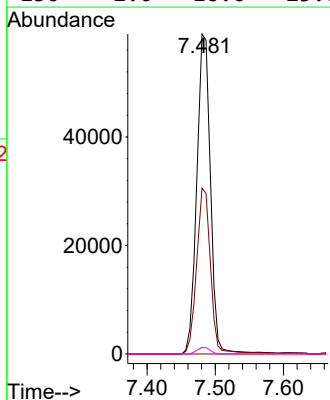
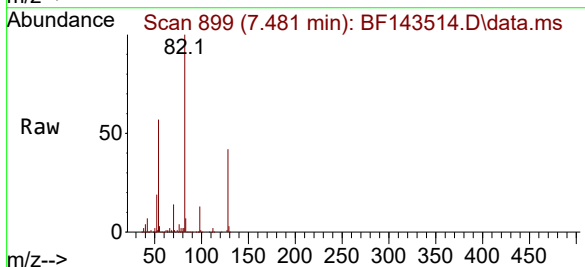
Instrument :
BNA_F
ClientSampleId :
TW-22M-W

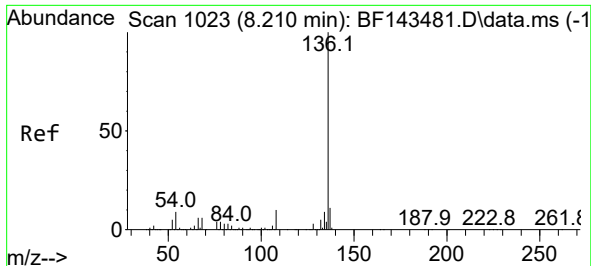
Tgt Ion: 99 Resp: 539974
Ion Ratio Lower Upper
99 100
42 20.0 16.3 24.5
71 34.6 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.914 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

Tgt Ion: 70 Resp: 82313
Ion Ratio Lower Upper
70 100
42 51.8 49.3 73.9
101 0.0 7.8 11.8#
130 2.0 16.6 25.0#



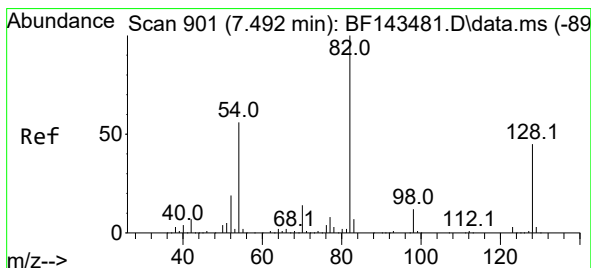
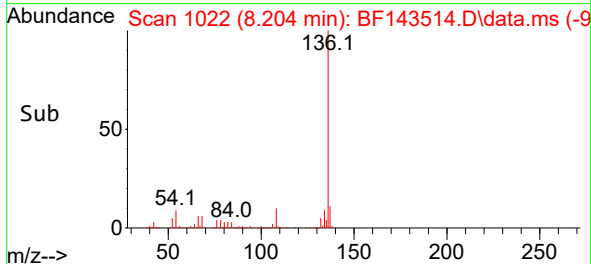
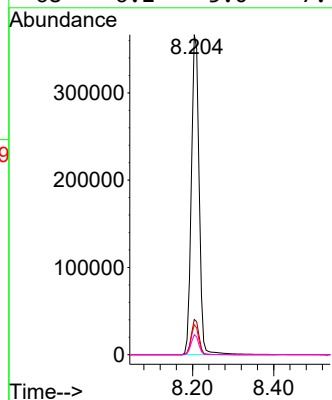
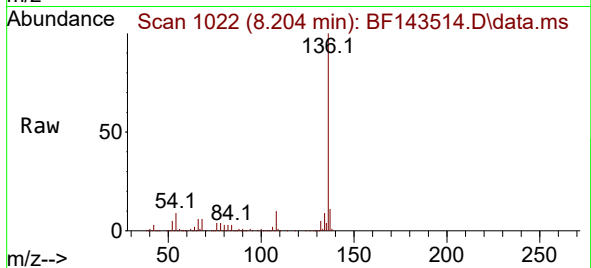


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

Instrument :
BNA_F
ClientSampleId :
TW-22M-W

Tgt Ion:136 Resp: 485532

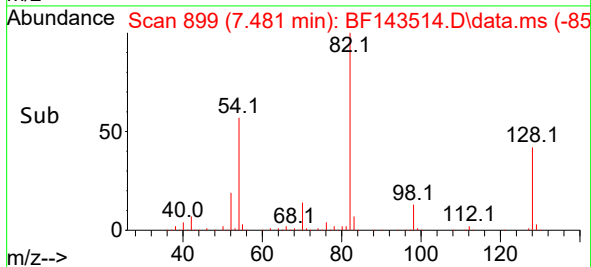
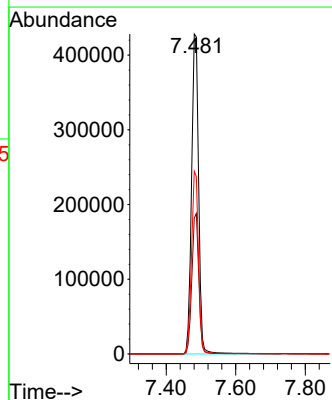
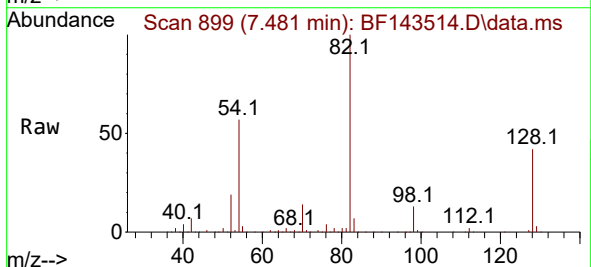
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.3	7.4	11.2
68	6.2	5.0	7.4

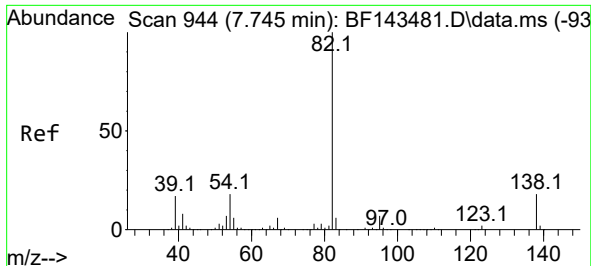


#23
Nitrobenzene-d5
Concen: 72.784 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

Tgt Ion: 82 Resp: 605589

Ion	Ratio	Lower	Upper
82	100		
128	42.4	35.5	53.3
54	57.1	44.3	66.5

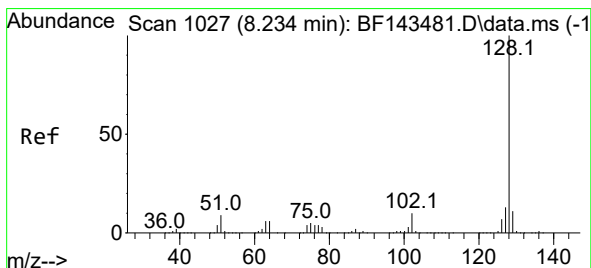
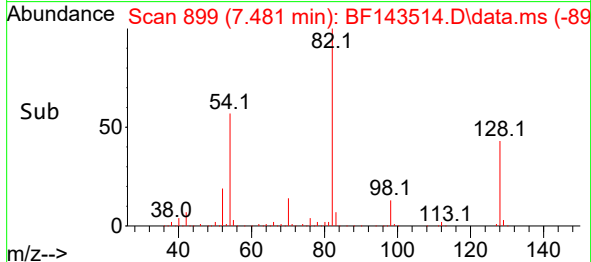
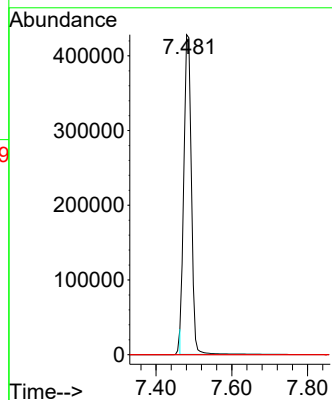
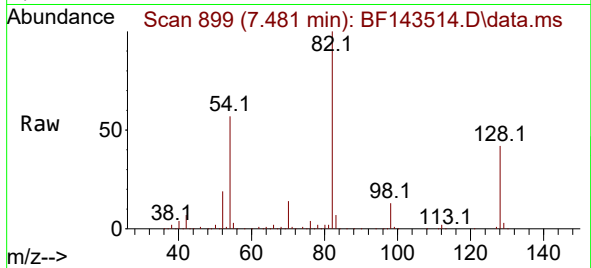




#25
Isophorone
Concen: 38.420 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.277 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

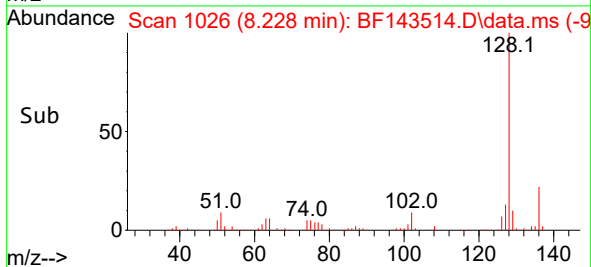
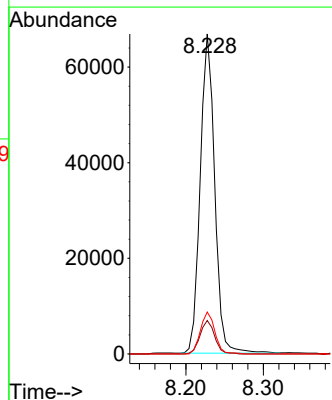
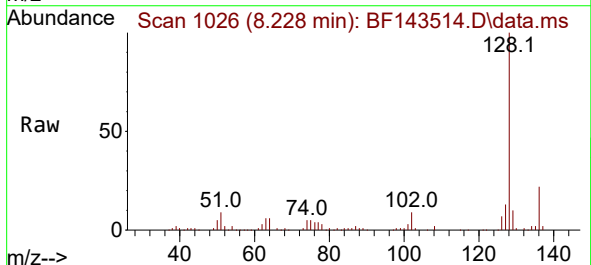
Instrument :
BNA_F
ClientSampleId :
TW-22M-W

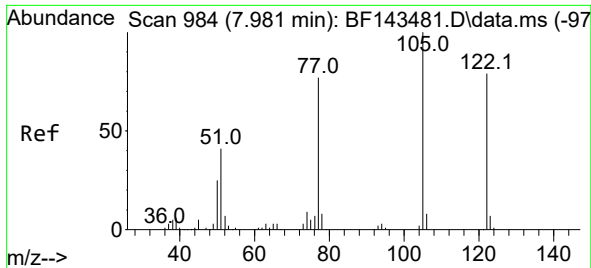
Tgt Ion: 82 Resp: 585985
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#31
Naphthalene
Concen: 3.714 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

Tgt Ion: 128 Resp: 86571
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 13.1 10.6 16.0

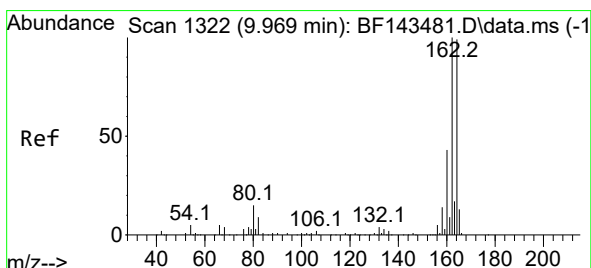
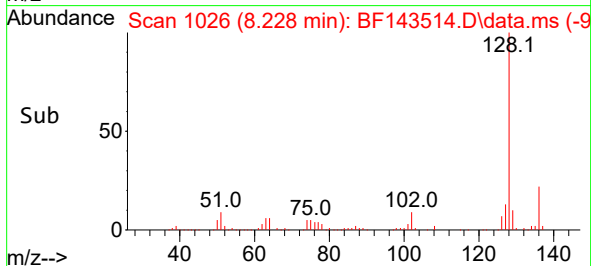
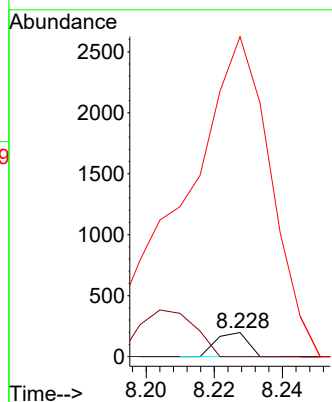
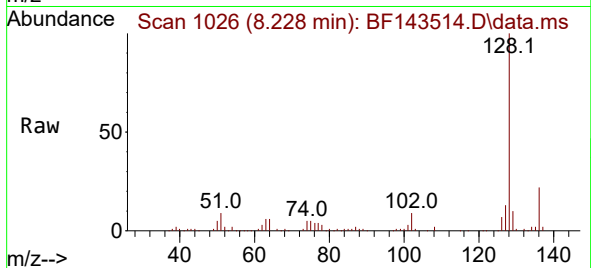




#32
Benzoic acid
Concen: 5.552 ng
RT: 8.228 min Scan# 1026
Delta R.T. 0.218 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

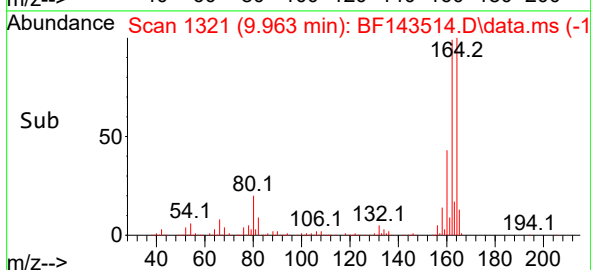
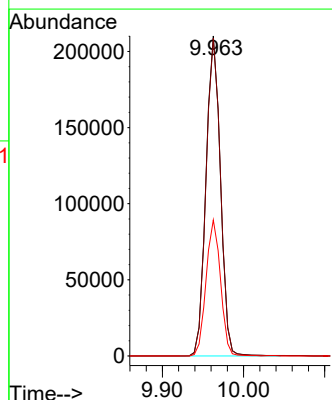
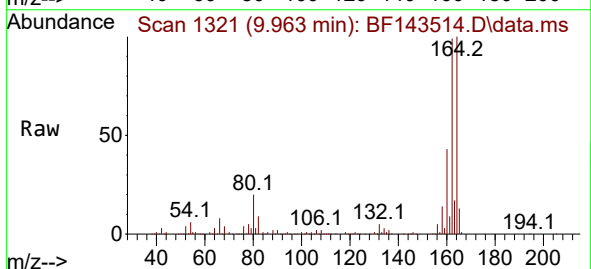
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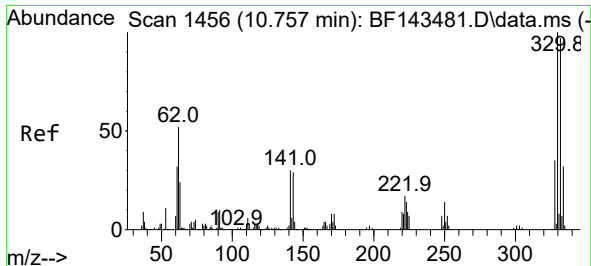
Tgt Ion:122 Resp: 129
Ion Ratio Lower Upper
122 100
105 0.0 104.7 144.7#
77 1325.3 77.3 117.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

Tgt Ion:164 Resp: 258859
Ion Ratio Lower Upper
164 100
162 99.3 80.5 120.7
160 42.5 34.3 51.5

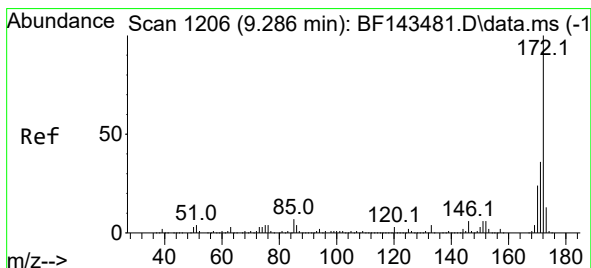
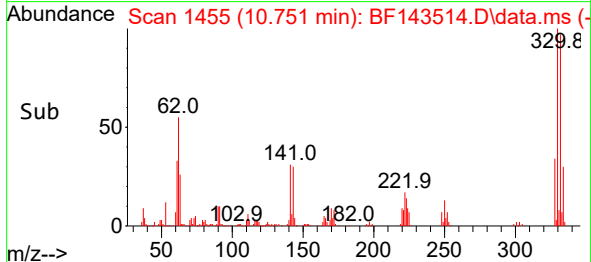
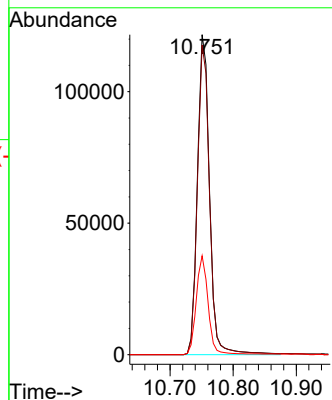
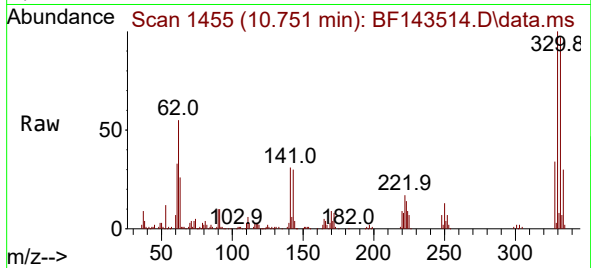




#42
2,4,6-Tribromophenol
Concen: 67.411 ng
RT: 10.751 min Scan# 1456
Delta R.T. -0.012 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

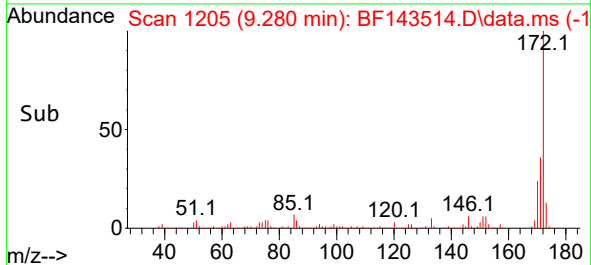
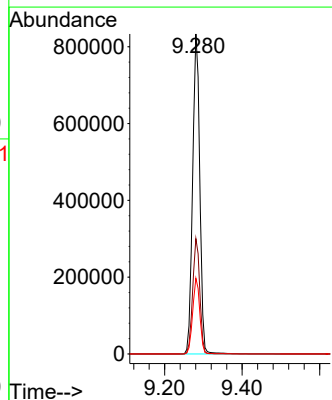
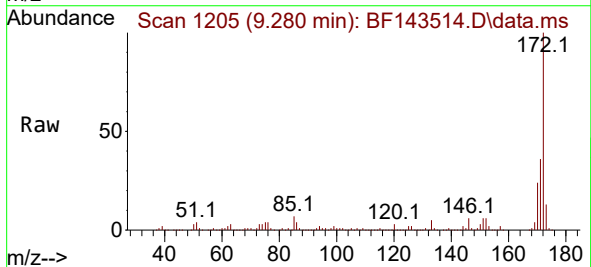
Instrument :
BNA_F
ClientSampleId :
TW-22M-W

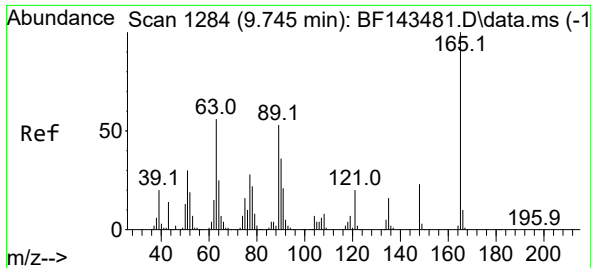
Tgt Ion: 330 Resp: 162433
Ion Ratio Lower Upper
330 100
332 97.6 78.0 117.0
141 30.5 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 68.446 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

Tgt Ion: 172 Resp: 1072072
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.6 18.8 28.2

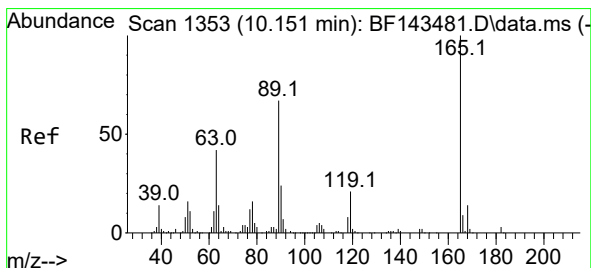
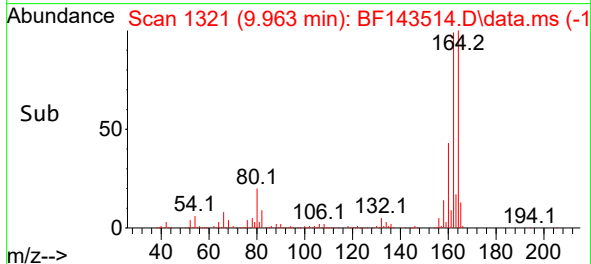
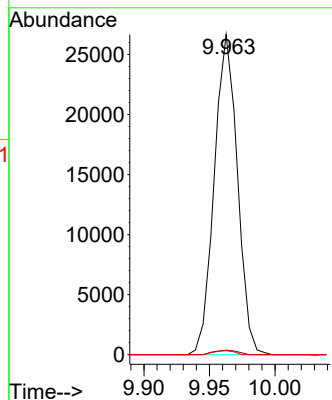
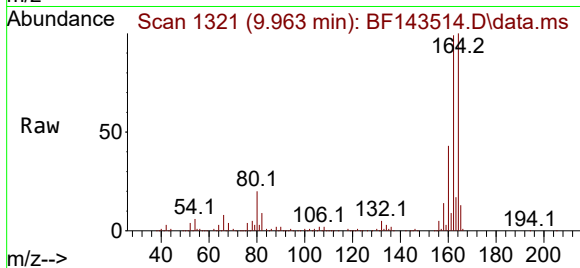




#51
2,6-Dinitrotoluene
Concen: 10.117 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

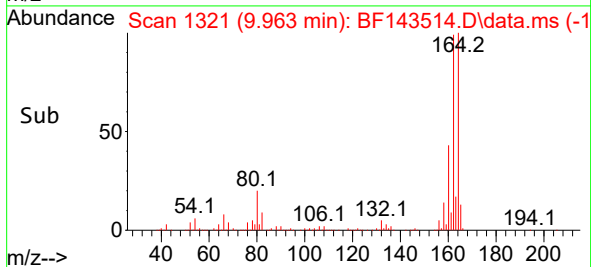
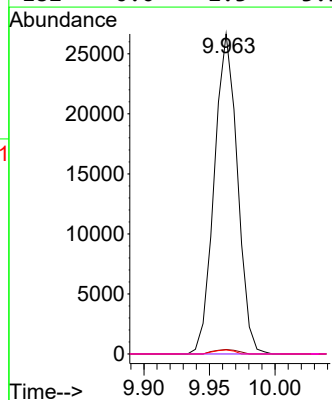
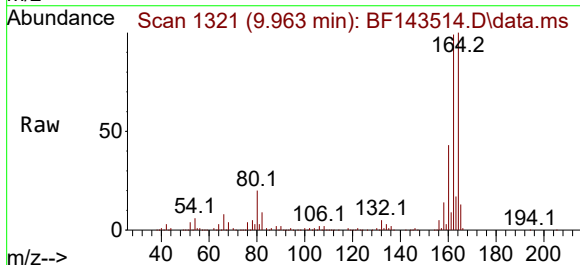
Instrument :
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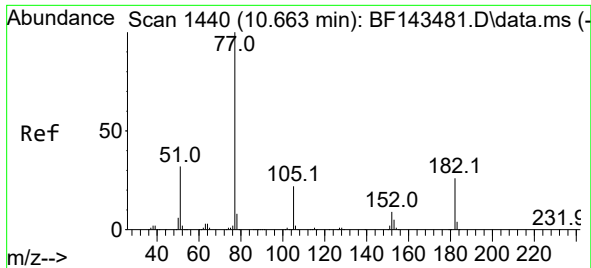
Tgt Ion:165 Resp: 32691
Ion Ratio Lower Upper
165 100
63 1.4 45.0 67.6#
89 1.2 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.577 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

Tgt Ion:165 Resp: 32691
Ion Ratio Lower Upper
165 100
63 1.4 34.9 52.3#
89 1.2 53.3 79.9#
182 0.0 2.3 3.5#

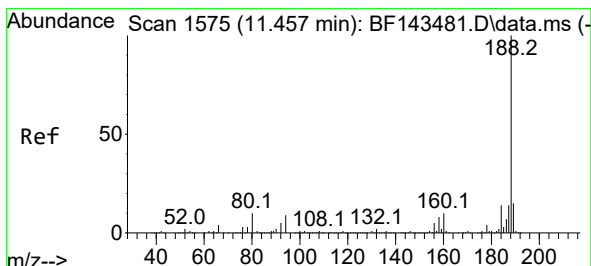
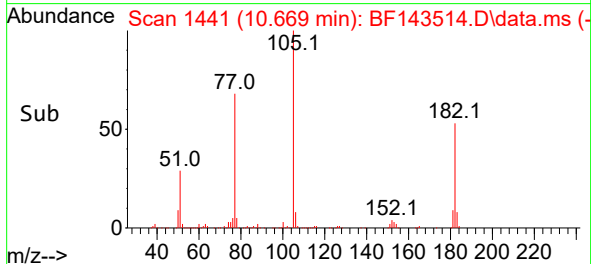
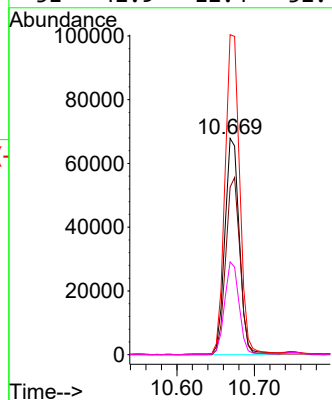
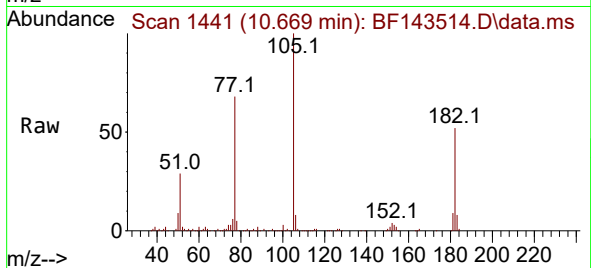




#63
 Azobenzene
 Concen: 6.153 ng
 RT: 10.669 min Scan# 1440
 Delta R.T. -0.000 min
 Lab File: BF143514.D
 Acq: 21 Aug 2025 05:47

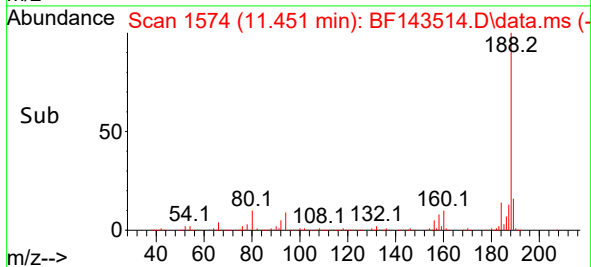
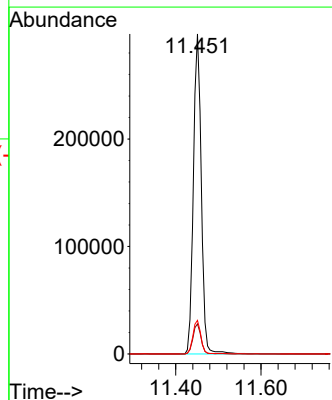
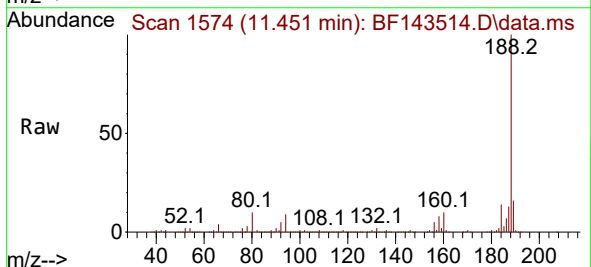
Instrument :
 BNA_F
 ClientSampleId :
 TW-22M-W

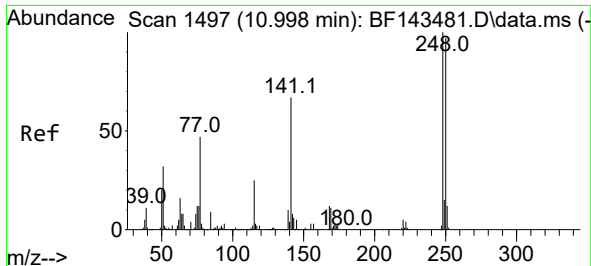
Tgt Ion: 77 Resp: 89182
 Ion Ratio Lower Upper
 77 100
 182 77.5 6.2 46.2#
 105 148.0 2.2 42.2#
 51 42.9 12.4 52.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.451 min Scan# 1574
 Delta R.T. -0.006 min
 Lab File: BF143514.D
 Acq: 21 Aug 2025 05:47

Tgt Ion: 188 Resp: 382887
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.4 11.2
 80 10.5 8.2 12.4

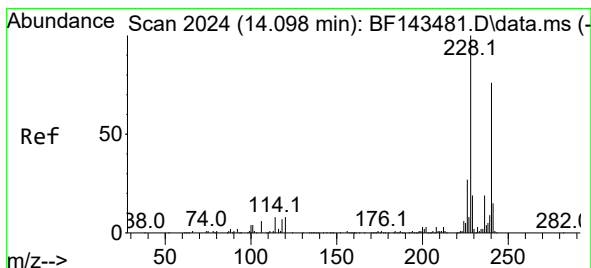
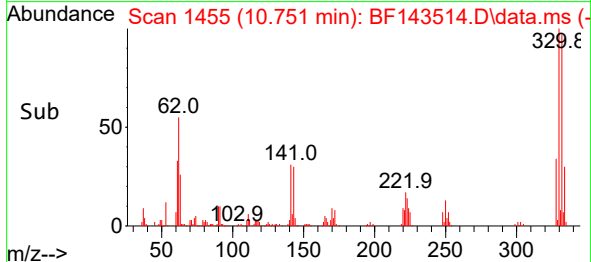
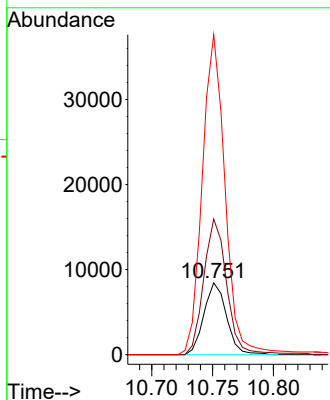
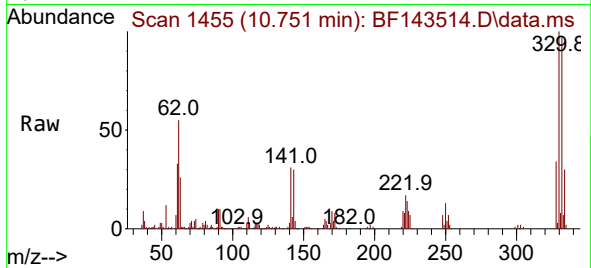




#67
4-Bromophenyl-phenylether
Concen: 2.388 ng
RT: 10.751 min Scan# 1497
Delta R.T. -0.247 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

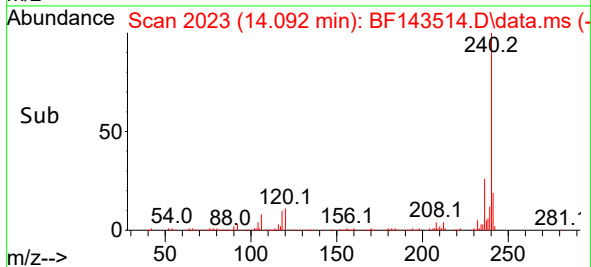
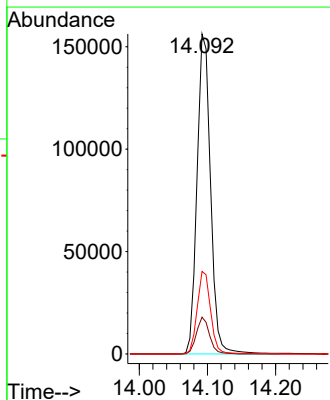
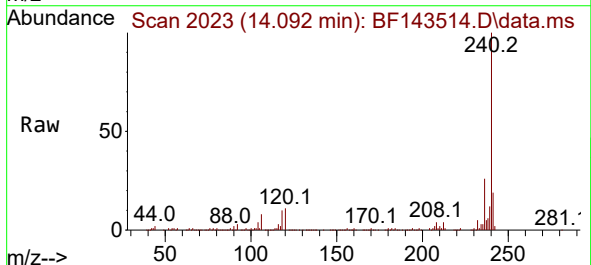
Instrument :
BNA_F
ClientSampleId :
TW-22M-W

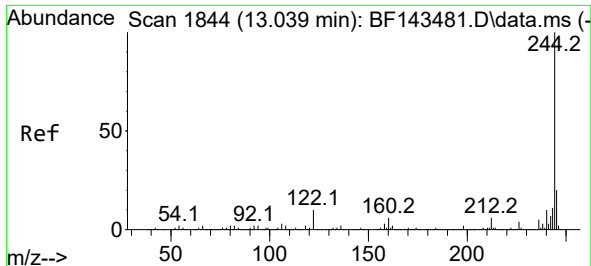
Tgt Ion:248 Resp: 10909
Ion Ratio Lower Upper
248 100
250 188.7 77.8 116.8#
141 445.2 54.0 81.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

Tgt Ion:240 Resp: 214981
Ion Ratio Lower Upper
240 100
120 11.5 8.6 12.8
236 25.8 20.4 30.6

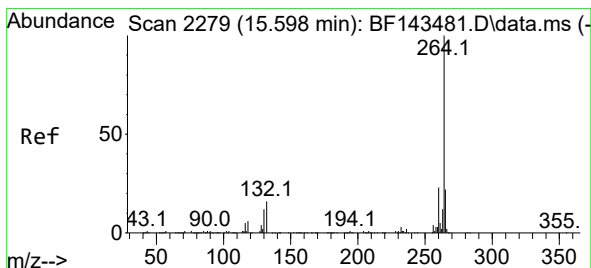
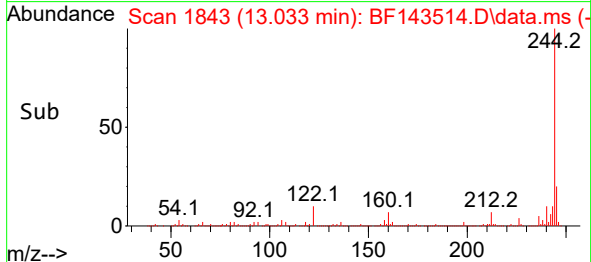
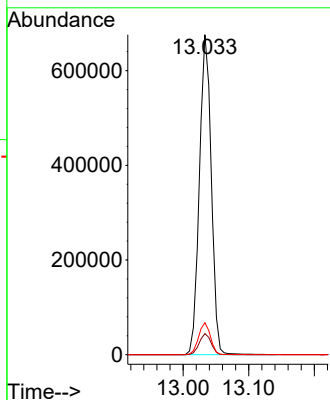
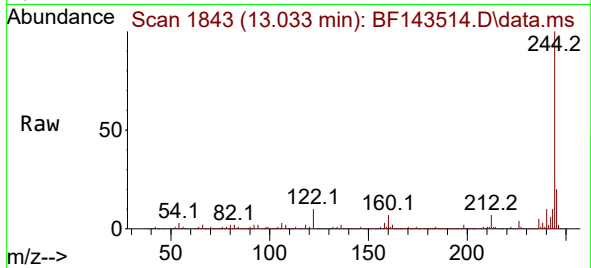




#79
 Terphenyl-d14
 Concen: 69.375 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143514.D
 Acq: 21 Aug 2025 05:47

Instrument :
 BNA_F
 ClientSampleId :
 TW-22M-W

Tgt Ion:244 Resp: 854665
 Ion Ratio Lower Upper
 244 100
 212 6.6 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: BF143514.D
 Acq: 21 Aug 2025 05:47

Tgt Ion:264 Resp: 273080
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.5 17.6 26.4

