

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080125\
 Data File : BF143284.D
 Acq On : 01 Aug 2025 16:03
 Operator : RC/JU
 Sample : Q2733-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-WTS-12

Quant Time: Aug 01 16:24:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

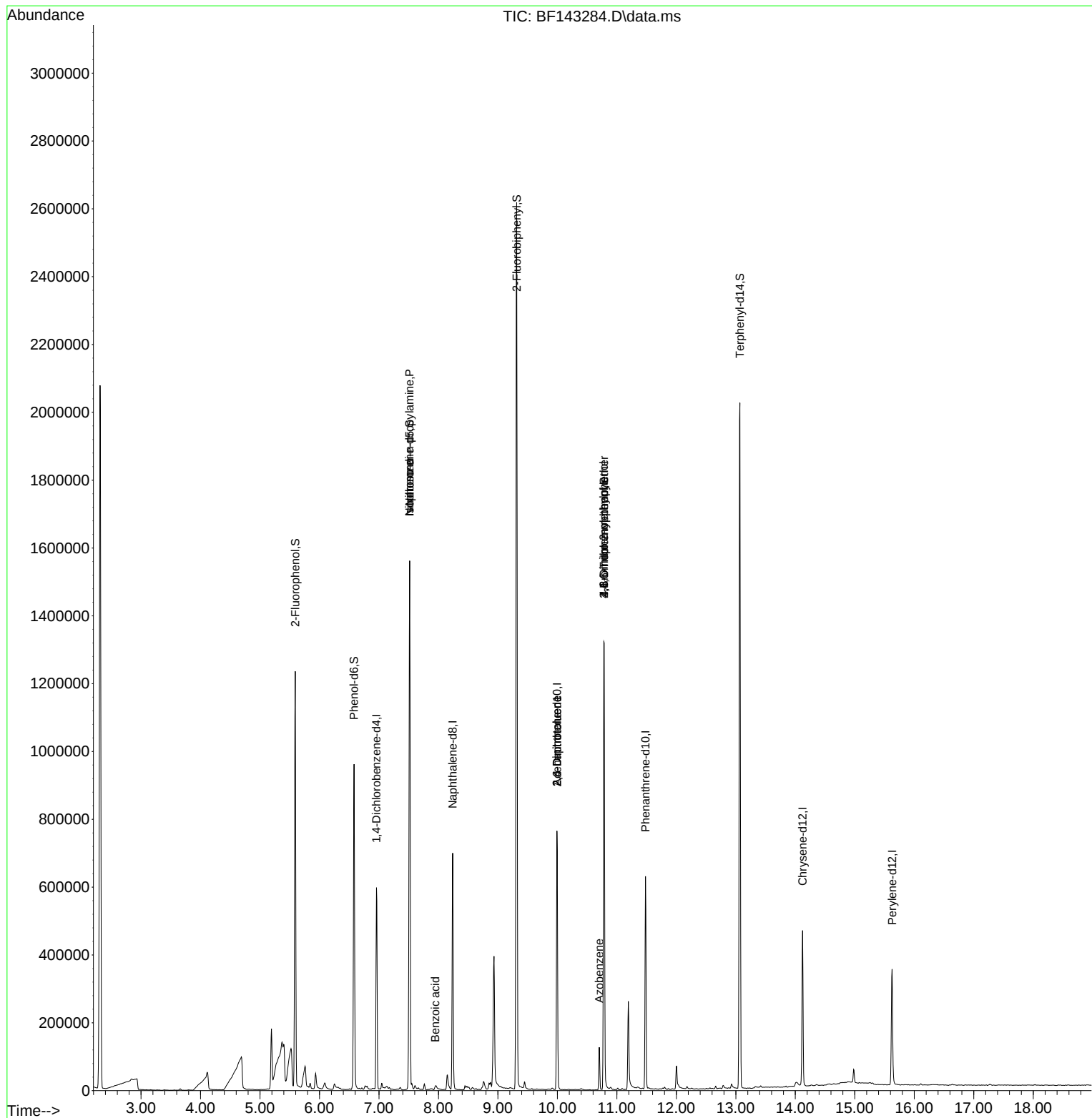
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	122249	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	426505	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	225540	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	312346	20.000	ng	0.00
76) Chrysene-d12	14.121	240	219450	20.000	ng	0.00
86) Perylene-d12	15.627	264	208089	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	442642	57.298	ng	0.00
7) Phenol-d6	6.581	99	415801	42.762	ng	0.00
23) Nitrobenzene-d5	7.516	82	703460	82.216	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	252838	108.516	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1200732	72.810	ng	0.00
79) Terphenyl-d14	13.069	244	1016146	68.906	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	94927	15.217	ng	# 78
25) Isophorone	7.516	82	697509	46.179	ng	# 66
32) Benzoic acid	7.945	122	6027	6.531	ng	94
51) 2,6-Dinitrotoluene	9.992	165	28471	9.520	ng	# 22
57) 2,4-Dinitrotoluene	9.992	165	28471	7.588	ng	# 21
63) Azobenzene	10.704	77	30614	2.021	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.781	198	466	5.665	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	15168	4.075	ng	# 1

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

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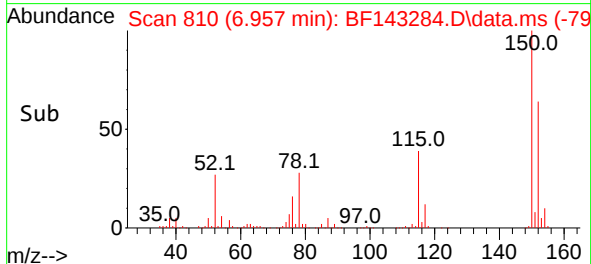
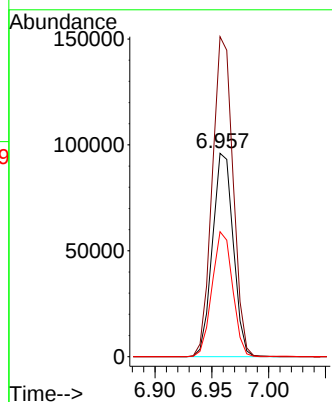
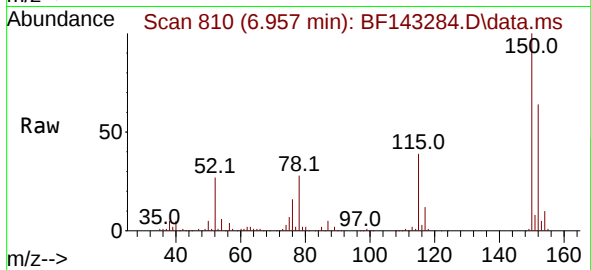




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.957 min Scan# 811
 Delta R.T. -0.006 min
 Lab File: BF143284.D
 Acq: 01 Aug 2025 16:03

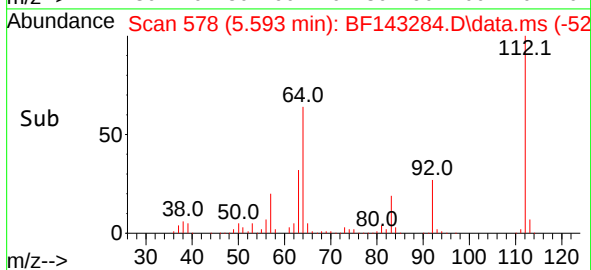
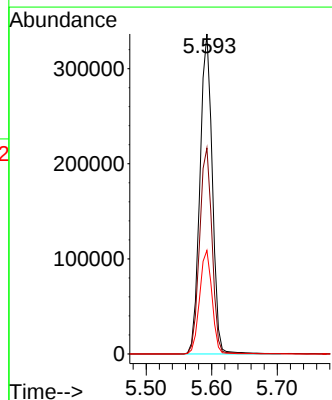
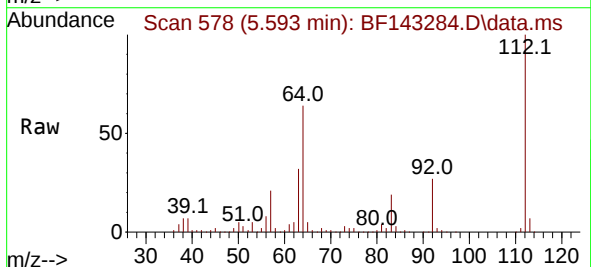
Instrument :
 BNA_F
 ClientSampleId :
 TW-WTS-12

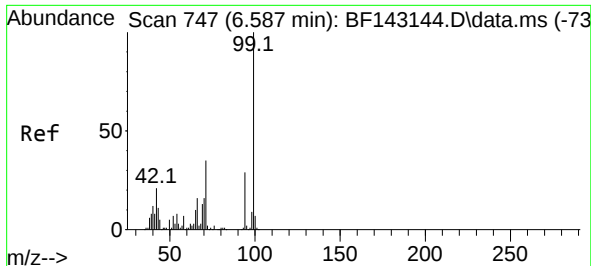
Tgt Ion:152 Resp: 122249
 Ion Ratio Lower Upper
 152 100
 150 157.3 128.2 192.4
 115 61.4 47.9 71.9



#5
 2-Fluorophenol
 Concen: 57.298 ng
 RT: 5.593 min Scan# 578
 Delta R.T. 0.006 min
 Lab File: BF143284.D
 Acq: 01 Aug 2025 16:03

Tgt Ion:112 Resp: 442642
 Ion Ratio Lower Upper
 112 100
 64 64.4 53.1 79.7
 63 32.3 26.6 40.0

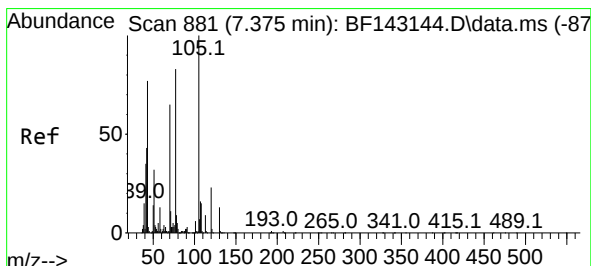
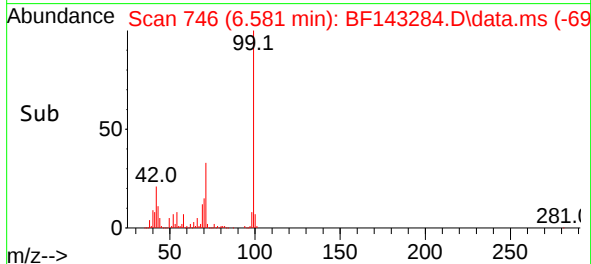
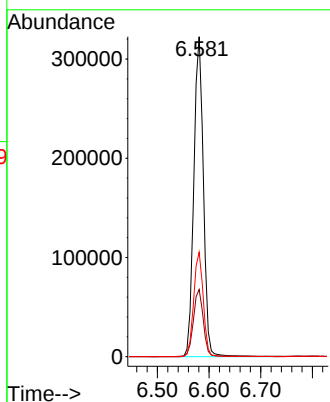
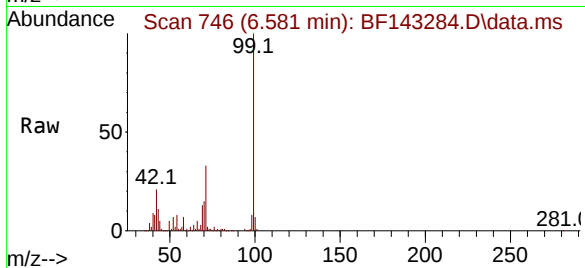




#7
Phenol-d6
Concen: 42.762 ng
RT: 6.581 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

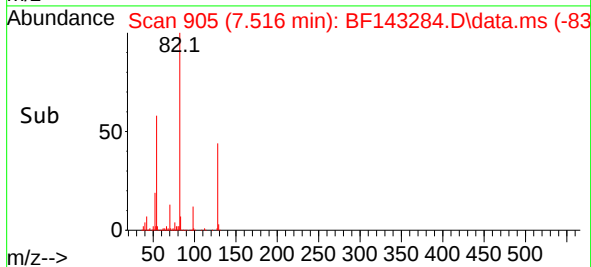
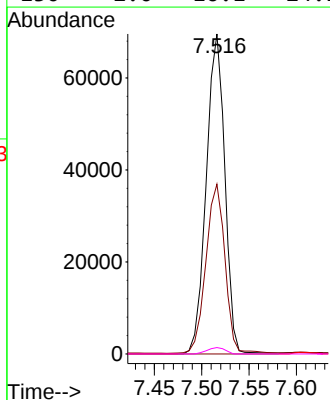
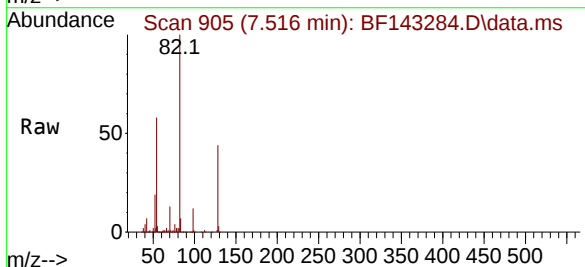
Instrument :
BNA_F
ClientSampleId :
TW-WTS-12

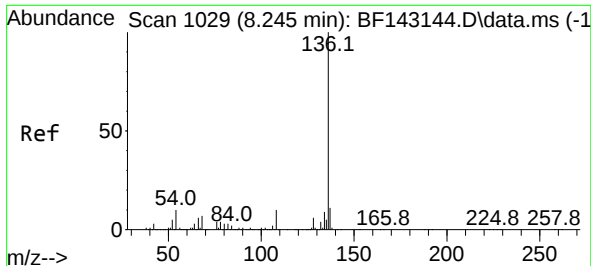
Tgt Ion: 99 Resp: 415801
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 32.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.217 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

Tgt Ion: 70 Resp: 94927
Ion Ratio Lower Upper
70 100
42 53.0 52.5 78.7
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#



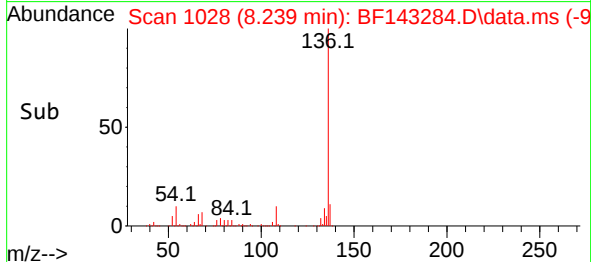
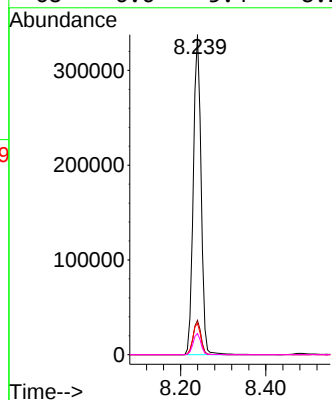
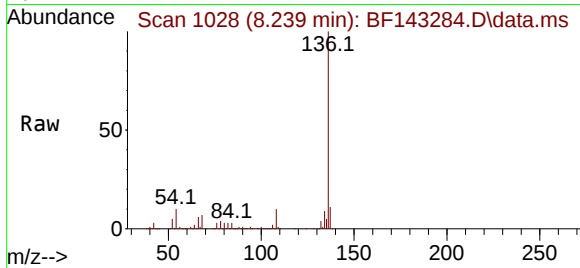


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

Instrument :
BNA_F
ClientSampleId :
TW-WTS-12

Tgt Ion:136 Resp: 426505

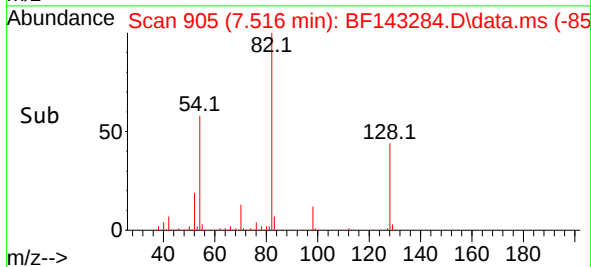
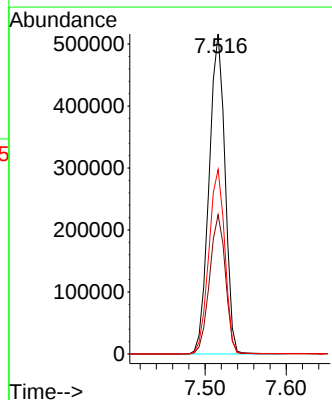
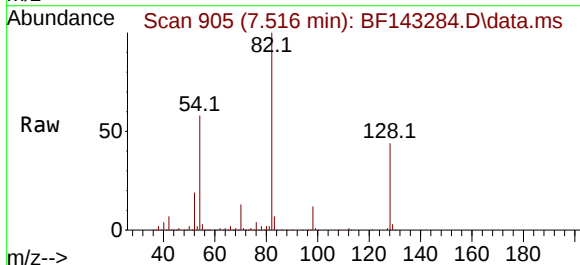
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.8	8.2	12.2
68	6.6	5.4	8.2



#23
Nitrobenzene-d5
Concen: 82.216 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

Tgt Ion: 82 Resp: 703460

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.6	50.4
54	57.6	47.1	70.7

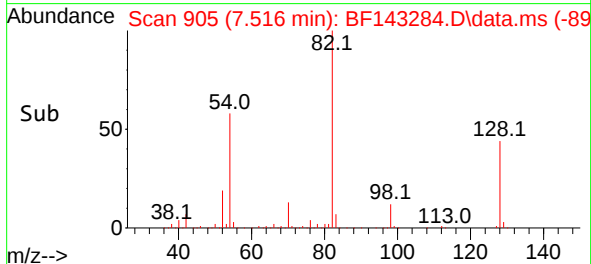
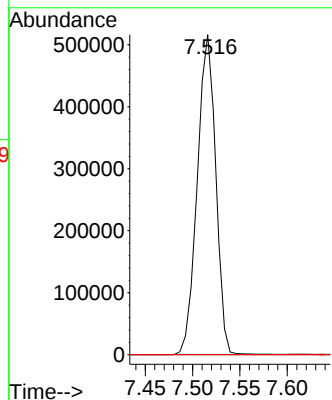
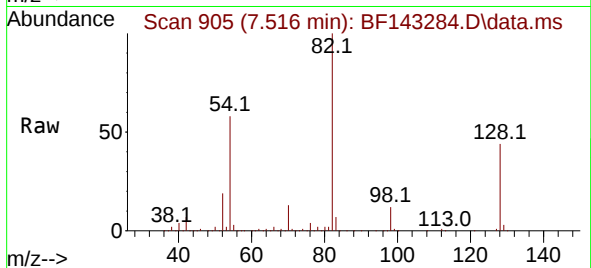




#25
Isophorone
Concen: 46.179 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

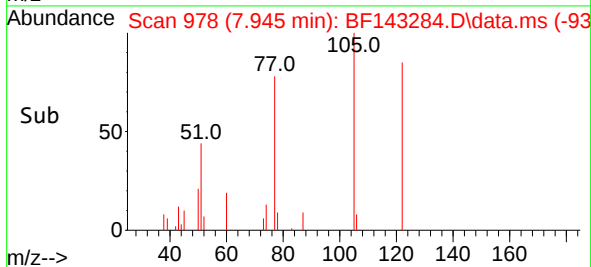
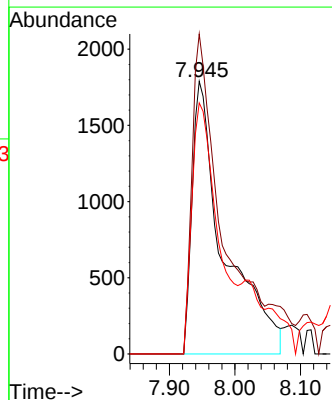
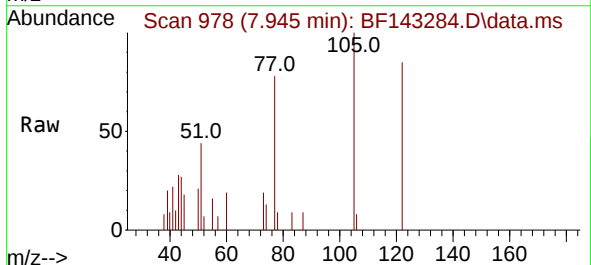
Instrument :
BNA_F
ClientSampleId :
TW-WTS-12

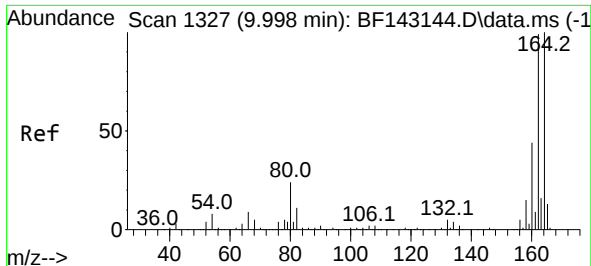
Tgt Ion: 82 Resp: 697509
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 6.531 ng
RT: 7.945 min Scan# 978
Delta R.T. -0.047 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

Tgt Ion: 122 Resp: 6027
Ion Ratio Lower Upper
122 100
105 117.4 104.8 144.8
77 92.1 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143284.D

Acq: 01 Aug 2025 16:03

Instrument :

BNA_F

ClientSampleId :

TW-WTS-12

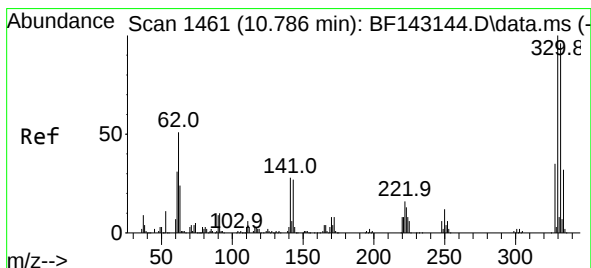
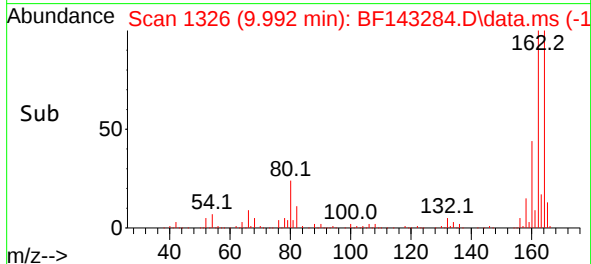
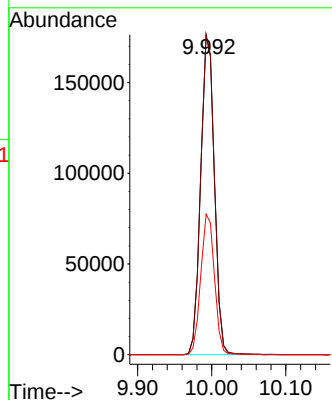
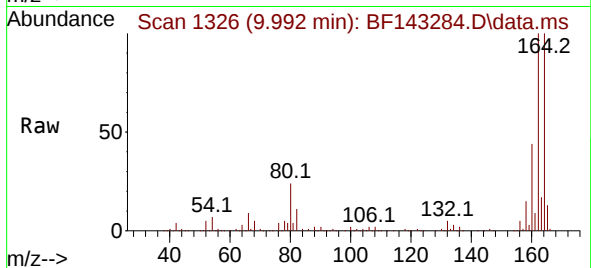
Tgt Ion:164 Resp: 225540

Ion Ratio Lower Upper

164 100

162 100.2 79.0 118.6

160 44.0 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 108.516 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143284.D

Acq: 01 Aug 2025 16:03

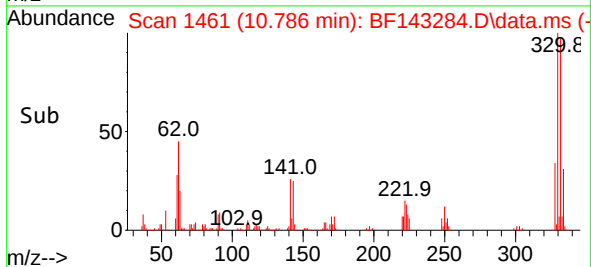
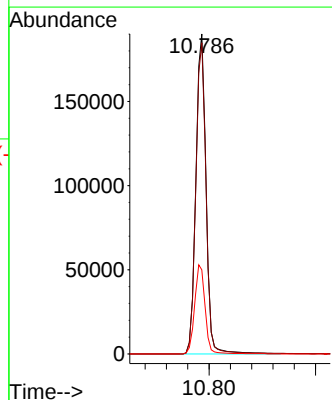
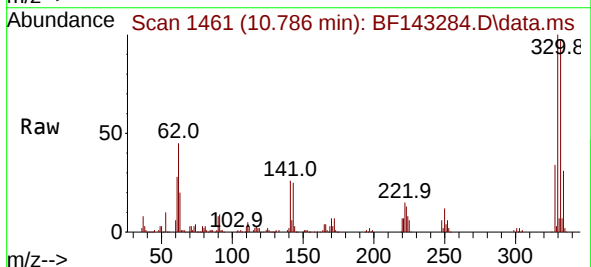
Tgt Ion:330 Resp: 252838

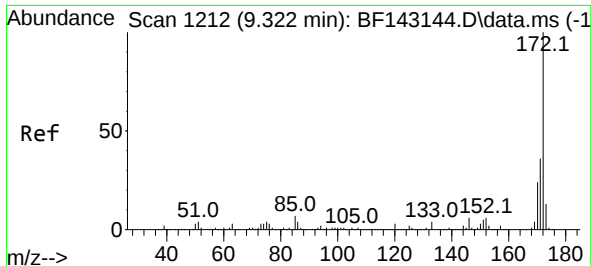
Ion Ratio Lower Upper

330 100

332 97.4 76.7 115.1

141 28.6 23.3 34.9

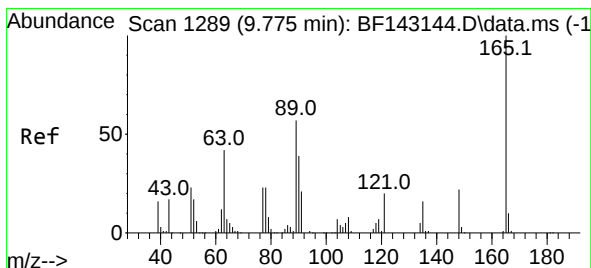
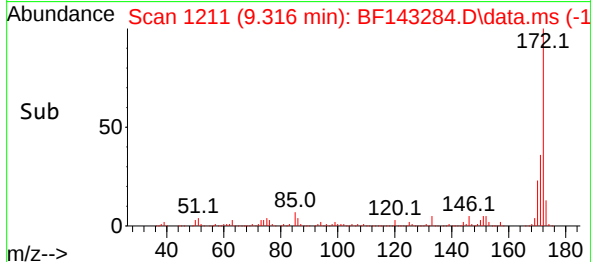
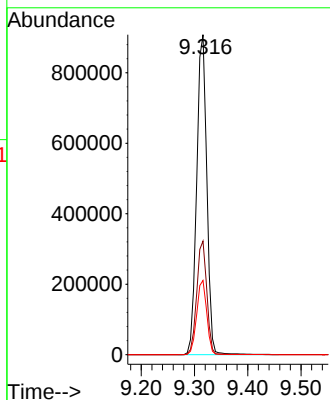
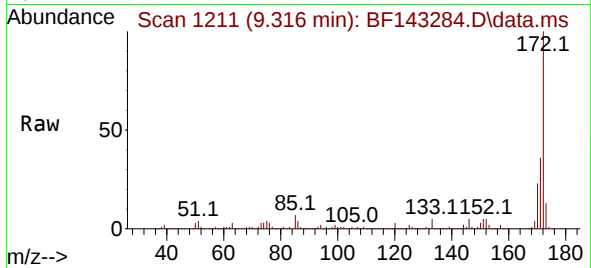




#45
2-Fluorobiphenyl
Concen: 72.810 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

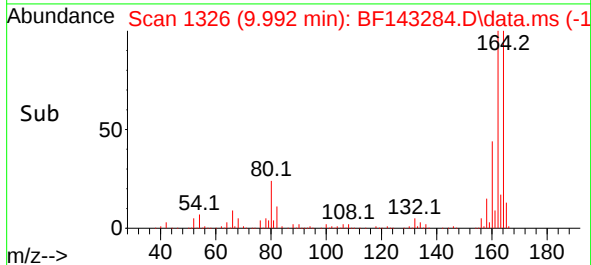
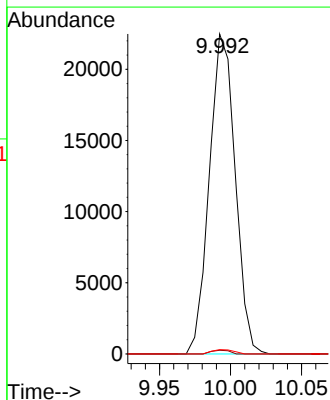
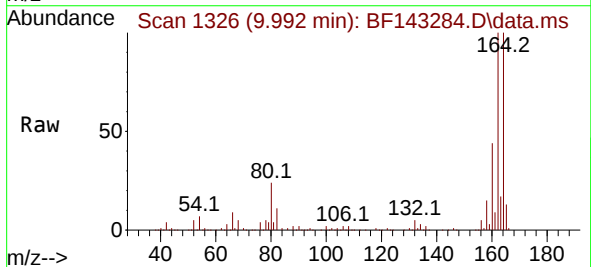
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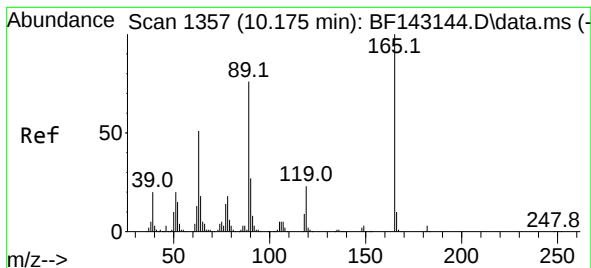
Tgt Ion:172 Resp: 1200732
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.2 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.520 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.218 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

Tgt Ion:165 Resp: 28471
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.2#
89 1.3 46.2 69.2#

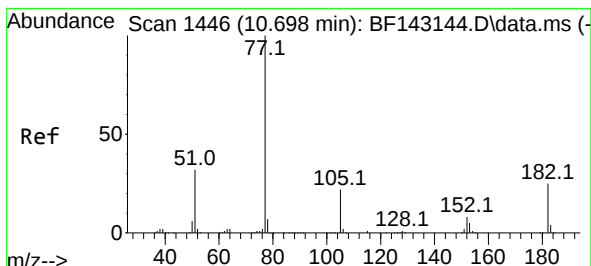
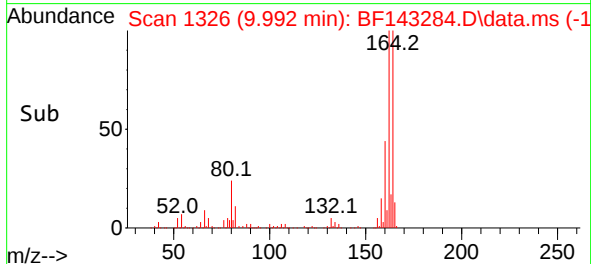
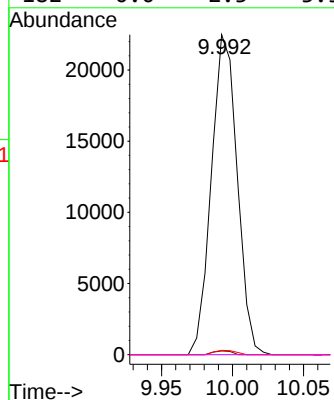
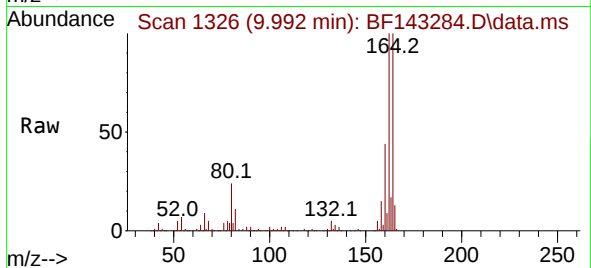




#57
2,4-Dinitrotoluene
Concen: 7.588 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

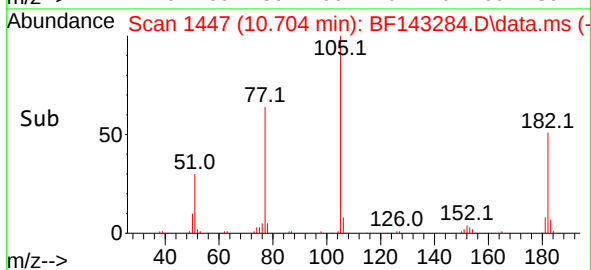
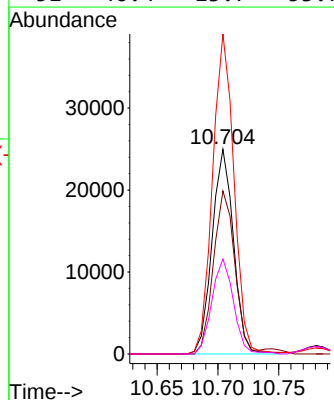
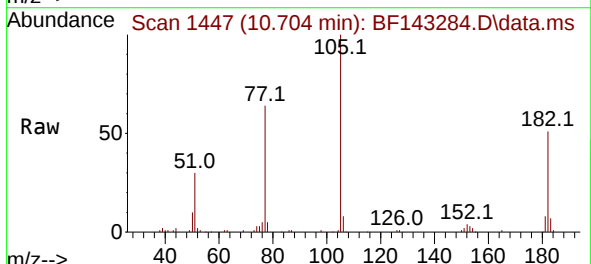
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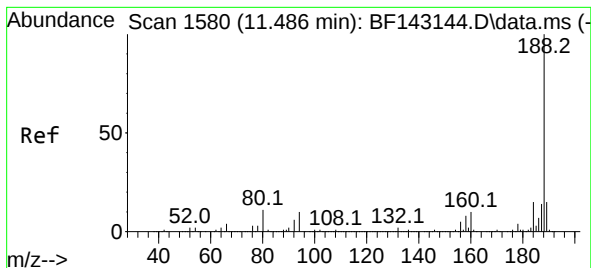
Tgt Ion:165 Resp: 28471
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.4#
89 1.3 61.1 91.7#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.021 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

Tgt Ion: 77 Resp: 30614
Ion Ratio Lower Upper
77 100
182 79.6 4.6 44.6#
105 156.3 1.4 41.4#
51 46.4 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143284.D

Acq: 01 Aug 2025 16:03

Instrument :

BNA_F

ClientSampleId :

TW-WTS-12

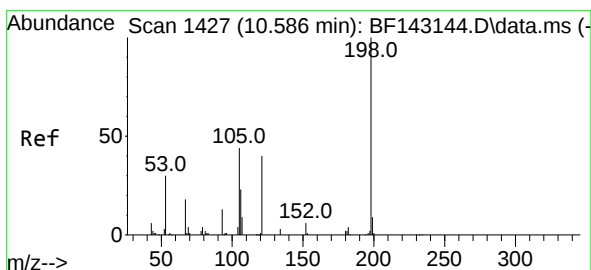
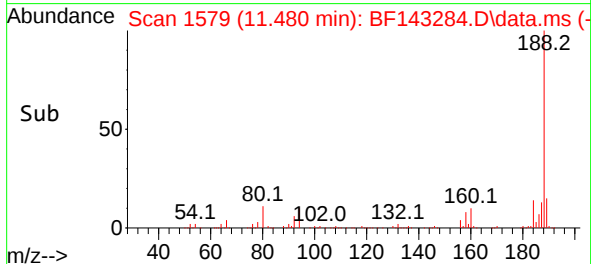
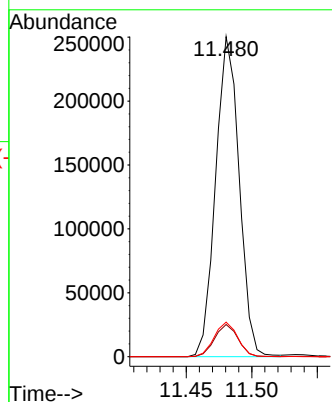
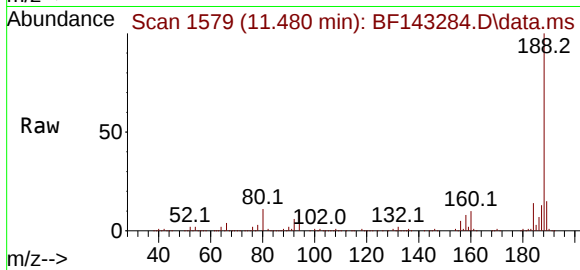
Tgt Ion:188 Resp: 312346

Ion Ratio Lower Upper

188 100

94 10.0 8.3 12.5

80 10.8 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.665 ng

RT: 10.781 min Scan# 1460

Delta R.T. 0.194 min

Lab File: BF143284.D

Acq: 01 Aug 2025 16:03

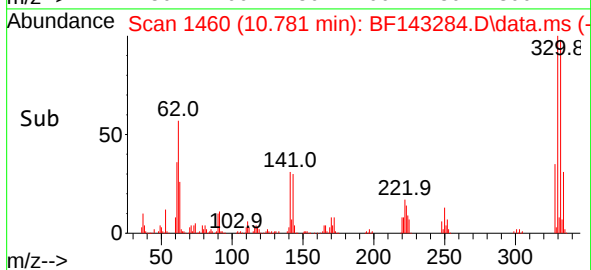
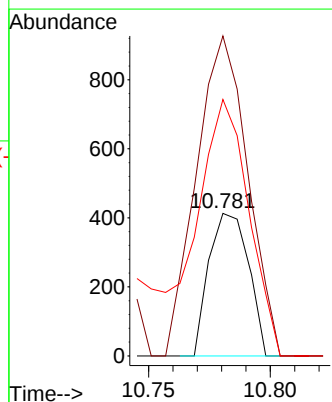
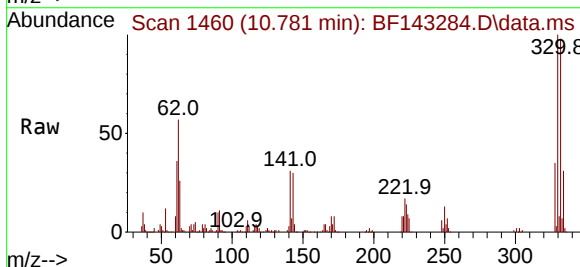
Tgt Ion:198 Resp: 466

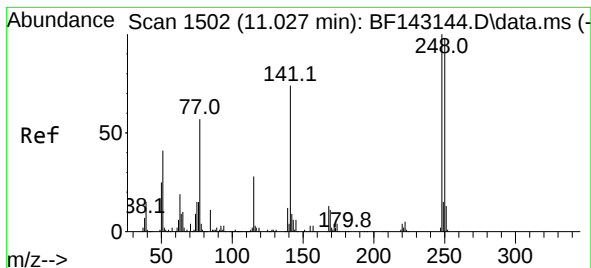
Ion Ratio Lower Upper

198 100

51 224.5 37.2 77.2#

105 179.9 24.8 64.8#

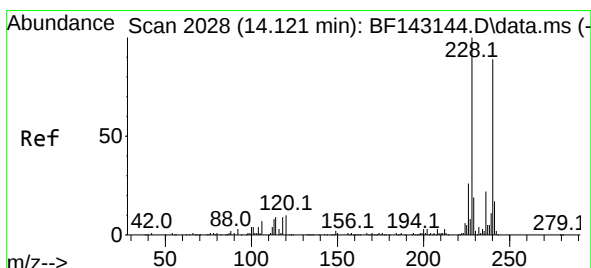
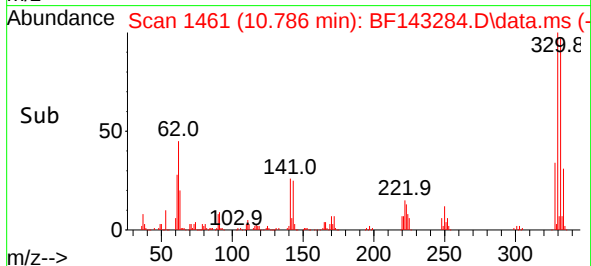
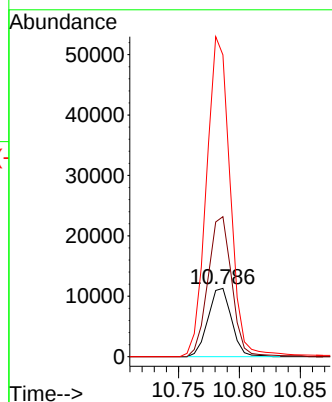
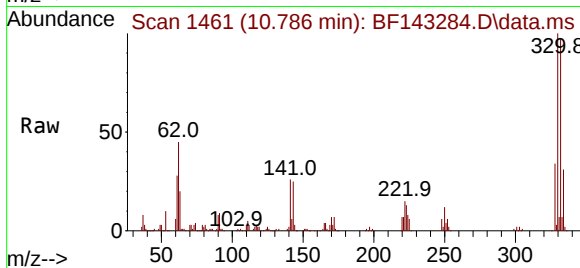




#67
4-Bromophenyl-phenylether
Concen: 4.075 ng
RT: 10.786 min Scan# 141
Delta R.T. -0.241 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

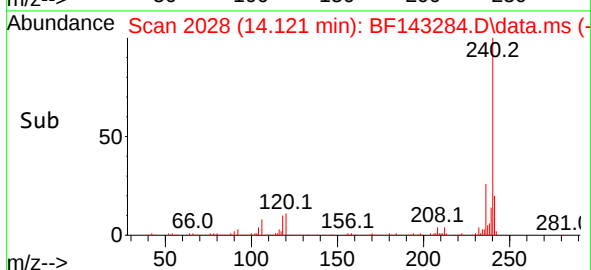
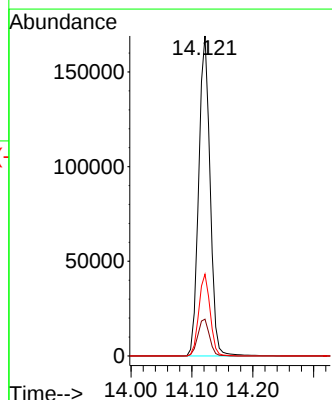
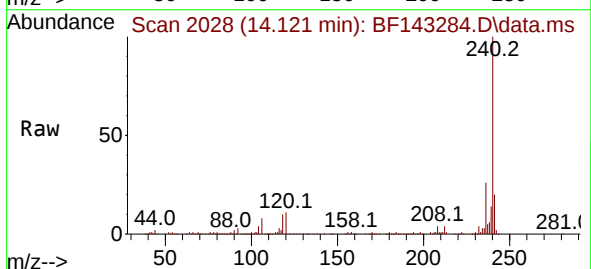
Instrument :
BNA_F
ClientSampleId :
TW-WTS-12

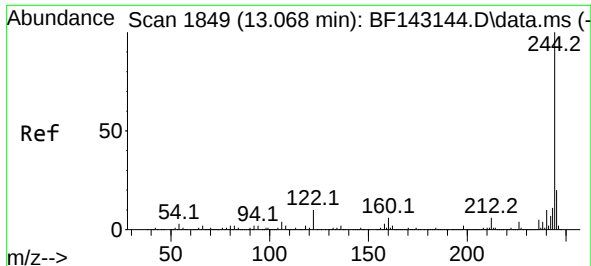
Tgt Ion:248 Resp: 15168
Ion Ratio Lower Upper
248 100
250 205.1 78.3 117.5#
141 441.9 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143284.D
Acq: 01 Aug 2025 16:03

Tgt Ion:240 Resp: 219450
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.2
236 25.6 20.2 30.4

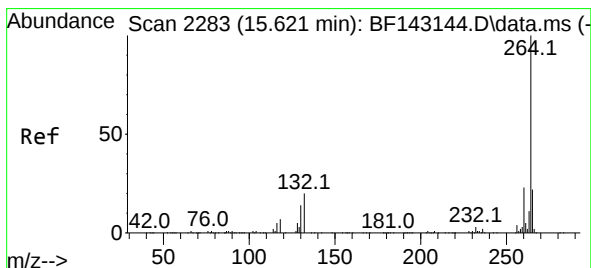
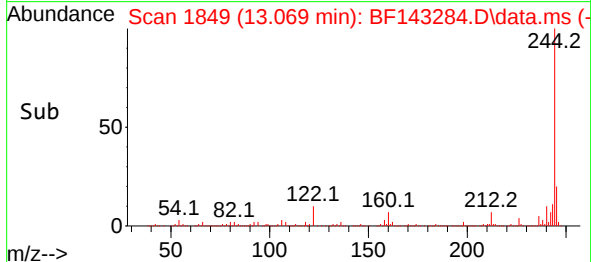
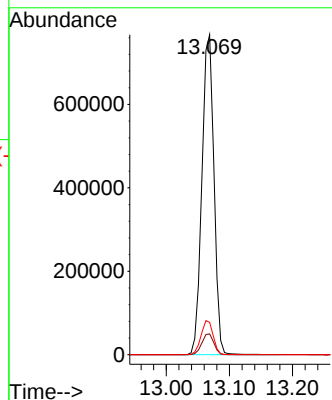
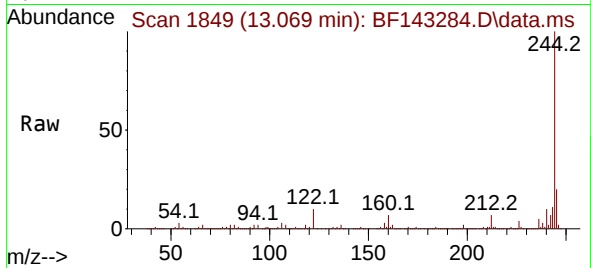




#79
 Terphenyl-d14
 Concen: 68.906 ng
 RT: 13.069 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143284.D
 Acq: 01 Aug 2025 16:03

Instrument :
 BNA_F
 ClientSampleId :
 TW-WTS-12

Tgt Ion:244 Resp: 1016146
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.1 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.627 min Scan# 2284
 Delta R.T. 0.006 min
 Lab File: BF143284.D
 Acq: 01 Aug 2025 16:03

Tgt Ion:264 Resp: 208089
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.5 27.7
 265 21.5 17.4 26.2

