

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143195.D
 Acq On : 22 Jul 2025 18:23
 Operator : RC/JU
 Sample : Q2649-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Jul 23 04:50:53 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)

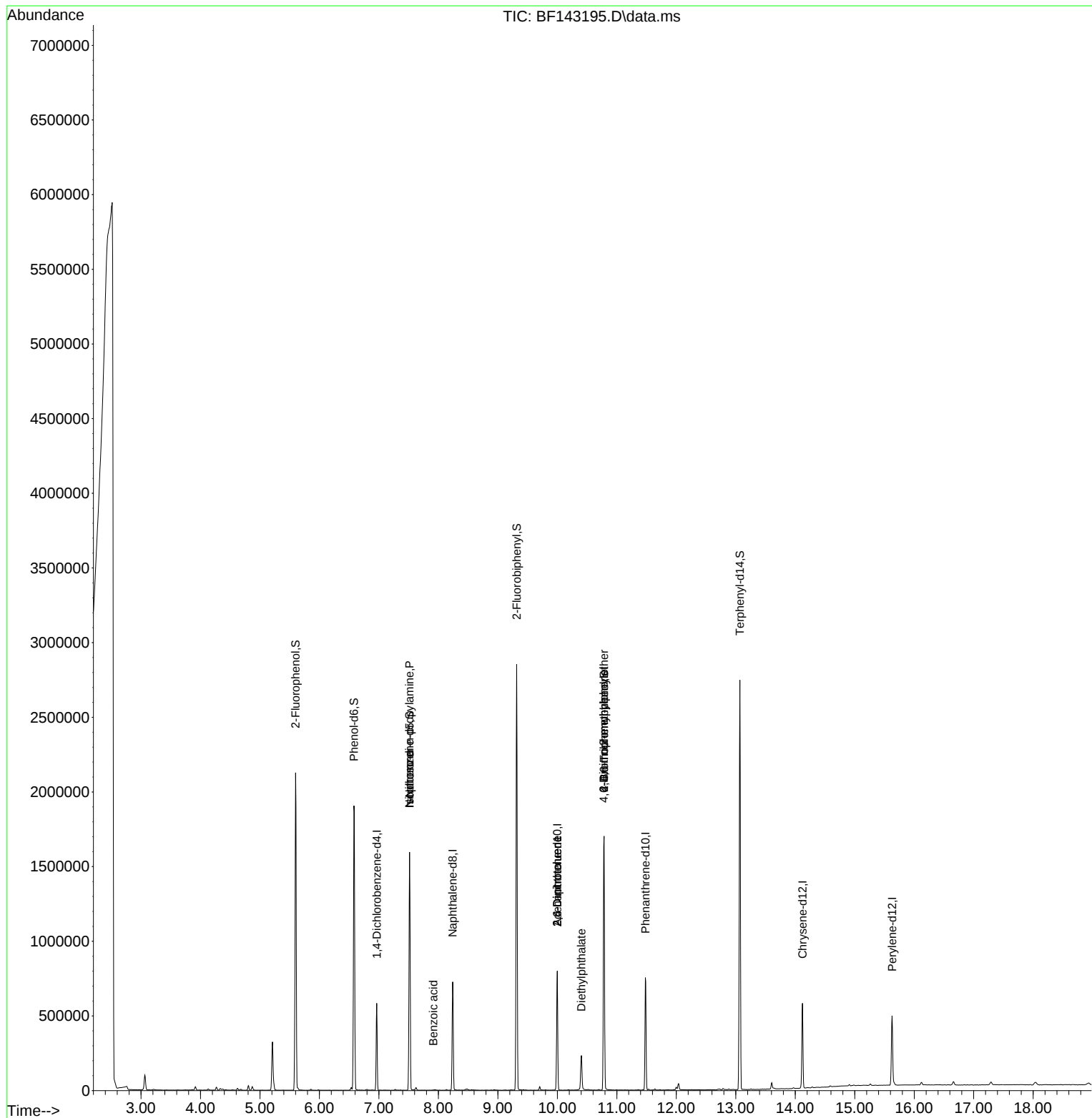
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	115407	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	435432	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	232590	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	389030	20.000	ng	0.00
76) Chrysene-d12	14.122	240	270810	20.000	ng	0.00
86) Perylene-d12	15.627	264	268114	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.599	112	775109	106.283	ng	0.01
7) Phenol-d6	6.581	99	911120	99.257	ng	0.00
23) Nitrobenzene-d5	7.516	82	681203	77.982	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	312023	129.859	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1277925	75.142	ng	0.00
79) Terphenyl-d14	13.069	244	1327108	72.925	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	92170	15.651	ng	# 80
25) Isophorone	7.516	82	678822	44.020	ng	# 66
32) Benzoic acid	7.916	122	644	5.320	ng	# 74
51) 2,6-Dinitrotoluene	9.998	165	29905	9.696	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	29905	7.729	ng	# 20
60) Diethylphthalate	10.404	149	160317	10.698	ng	100
65) 4,6-Dinitro-2-methylph...	10.781	198	514	5.636	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	18828	4.061	ng	# 1

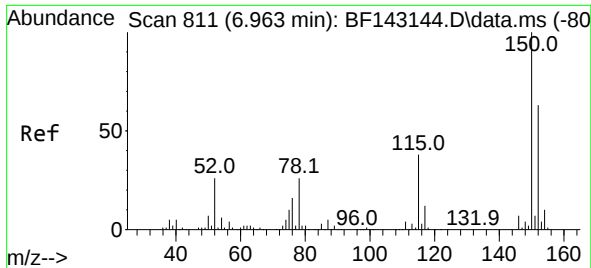
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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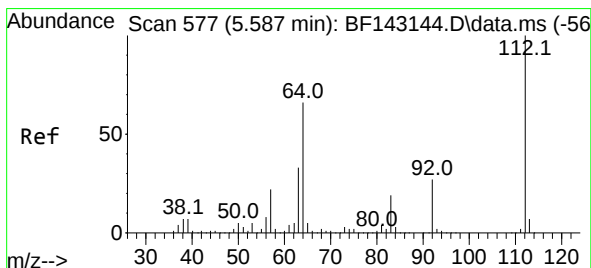
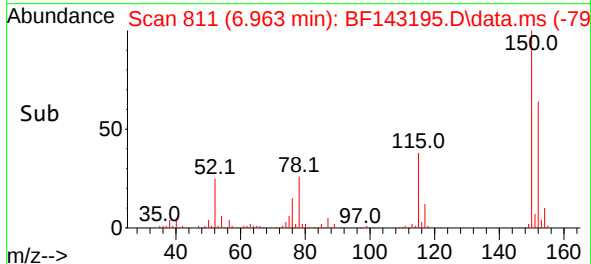
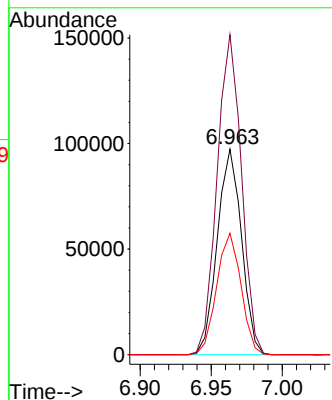
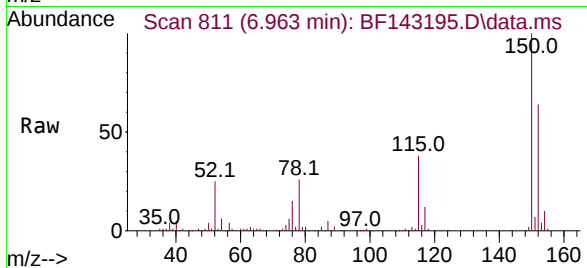




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 811
 Delta R.T. 0.000 min
 Lab File: BF143195.D
 Acq: 22 Jul 2025 18:23

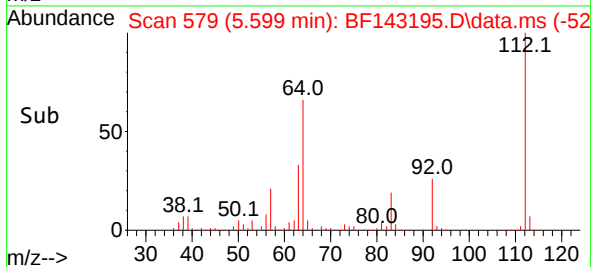
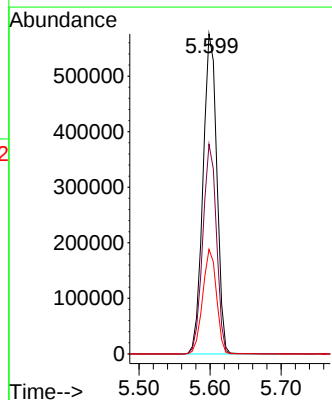
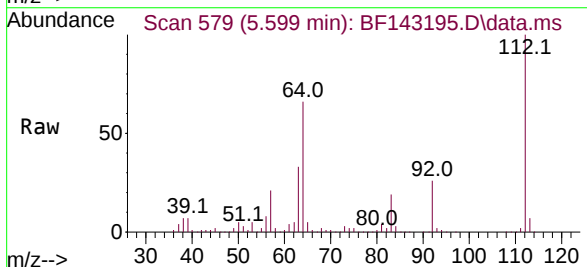
Instrument :
 BNA_F
 ClientSampleId :
 WC-4

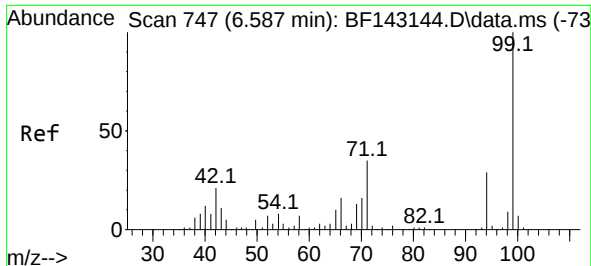
Tgt Ion:152 Resp: 115407
 Ion Ratio Lower Upper
 152 100
 150 155.8 128.2 192.4
 115 59.1 47.9 71.9



#5
 2-Fluorophenol
 Concen: 106.283 ng
 RT: 5.599 min Scan# 579
 Delta R.T. 0.012 min
 Lab File: BF143195.D
 Acq: 22 Jul 2025 18:23

Tgt Ion:112 Resp: 775109
 Ion Ratio Lower Upper
 112 100
 64 65.5 53.1 79.7
 63 32.7 26.6 40.0

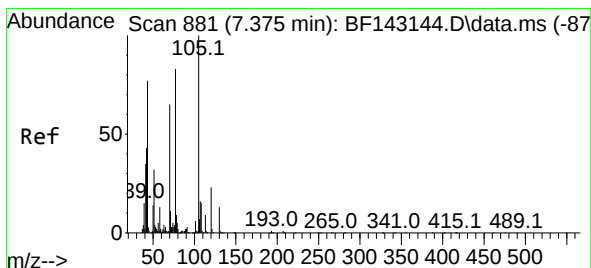
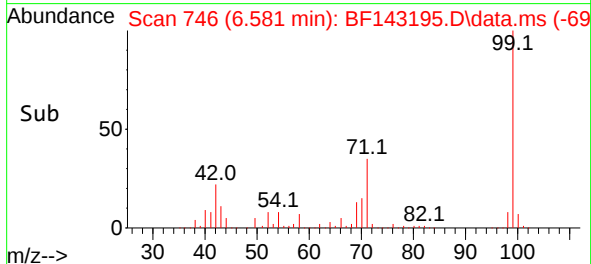
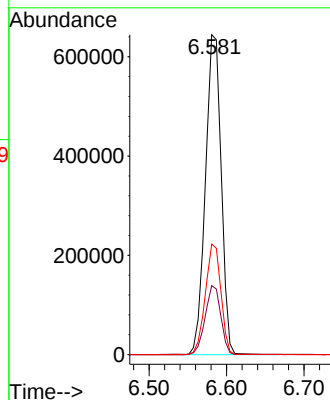
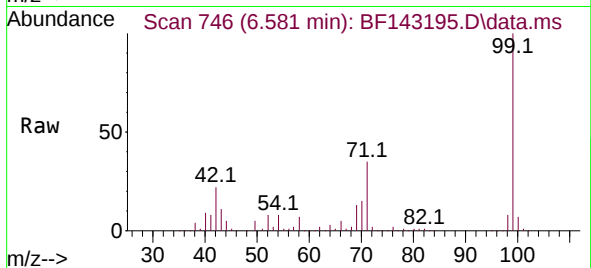




#7
Phenol-d6
Concen: 99.257 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143195.D
Acq: 22 Jul 2025 18:23

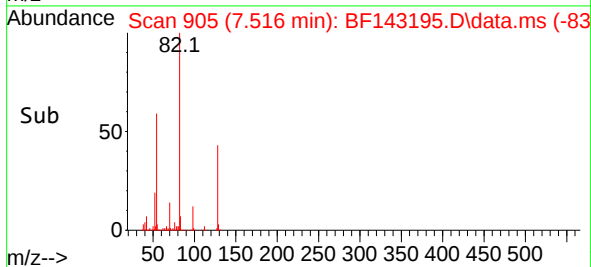
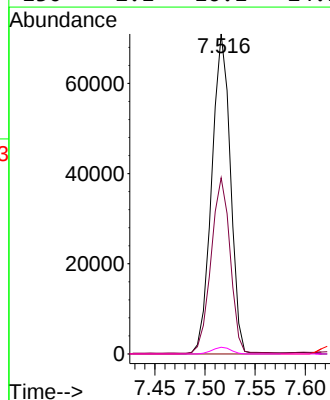
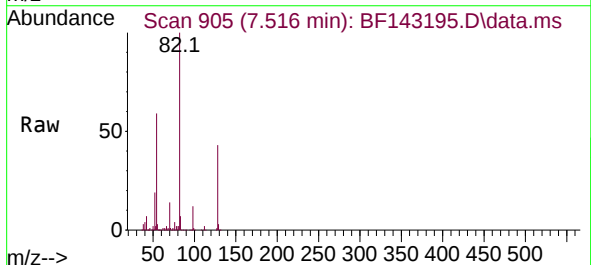
Instrument :
BNA_F
ClientSampleId :
WC-4

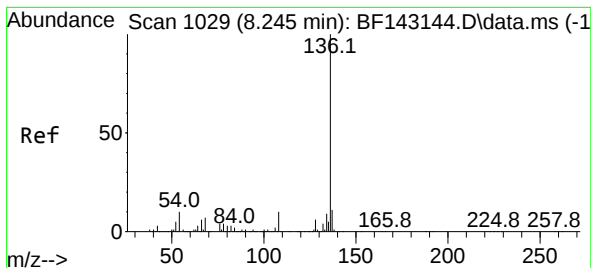
Tgt Ion: 99 Resp: 911120
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 34.5 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.651 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143195.D
Acq: 22 Jul 2025 18:23

Tgt Ion: 70 Resp: 92170
Ion Ratio Lower Upper
70 100
42 55.0 52.5 78.7
101 0.0 7.6 11.4#
130 2.1 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.240 min Scan# 1029

Delta R.T. -0.005 min

Lab File: BF143195.D

Acq: 22 Jul 2025 18:23

Instrument :

BNA_F

ClientSampleId :

WC-4

Tgt Ion:136 Resp: 435432

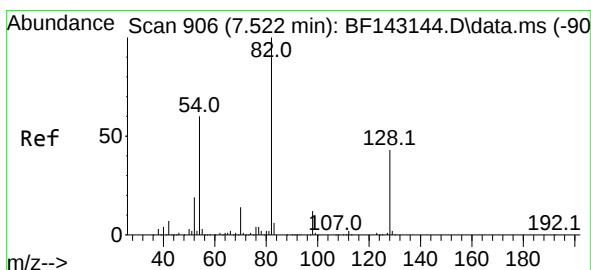
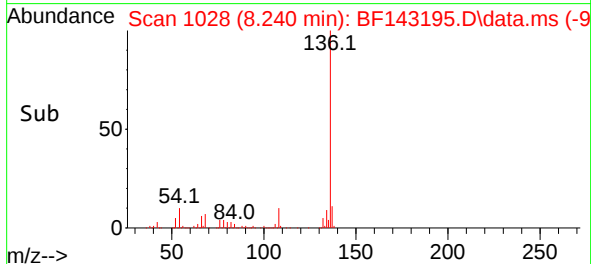
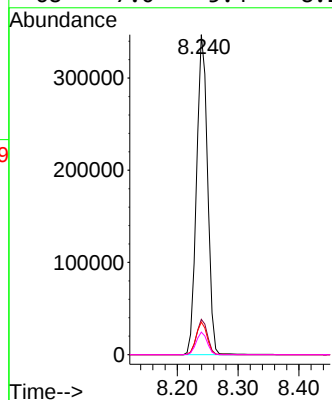
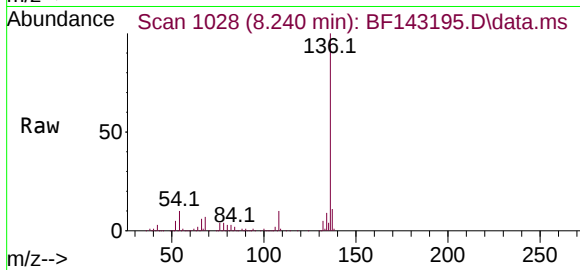
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.2 8.2 12.2

68 7.0 5.4 8.2



#23

Nitrobenzene-d5

Concen: 77.982 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143195.D

Acq: 22 Jul 2025 18:23

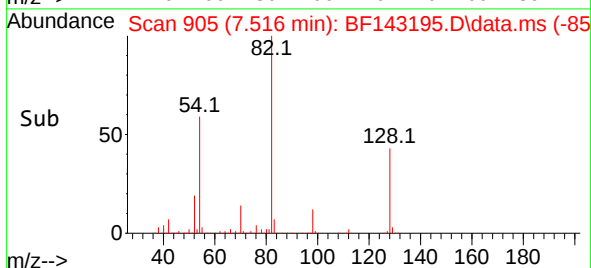
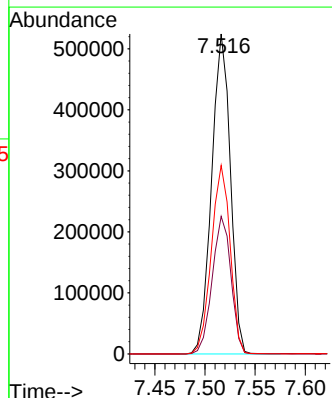
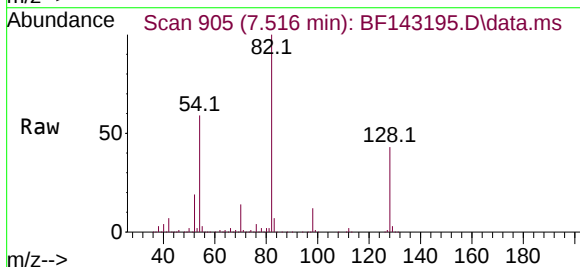
Tgt Ion: 82 Resp: 681203

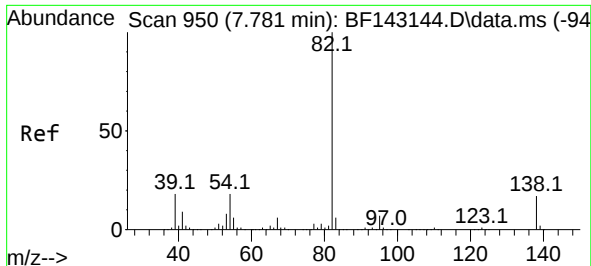
Ion Ratio Lower Upper

82 100

128 43.0 33.6 50.4

54 58.9 47.1 70.7

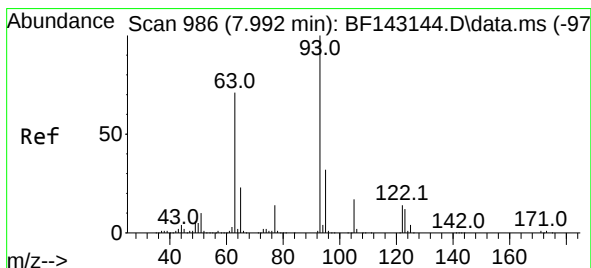
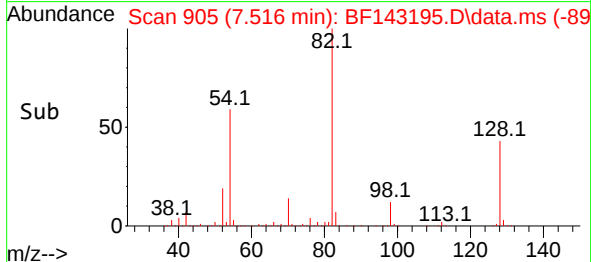
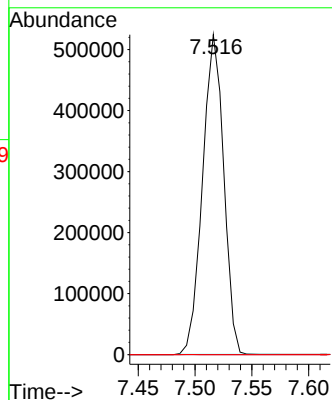
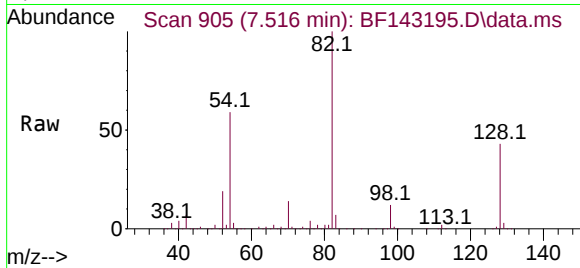




#25
Isophorone
Concen: 44.020 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143195.D
Acq: 22 Jul 2025 18:23

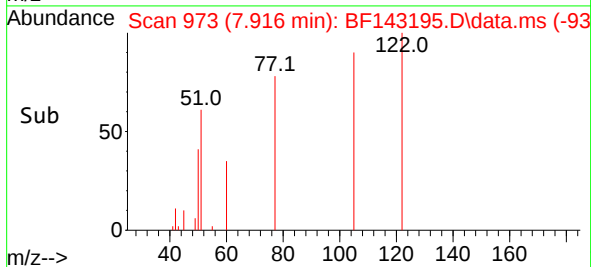
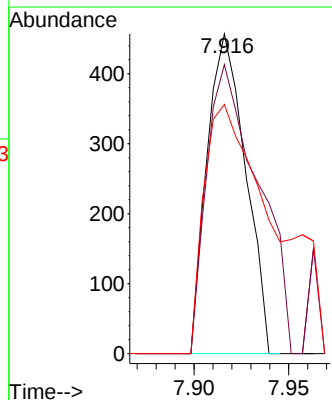
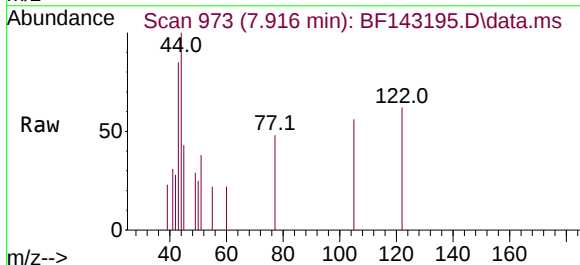
Instrument :
BNA_F
ClientSampleId :
WC-4

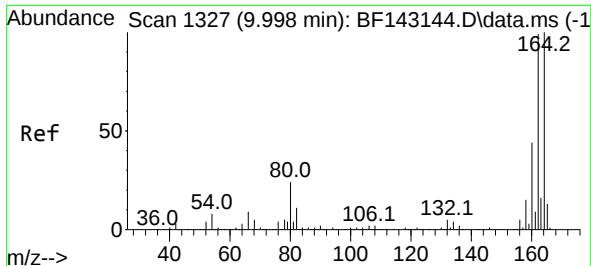
Tgt Ion: 82 Resp: 678822
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.320 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.076 min
Lab File: BF143195.D
Acq: 22 Jul 2025 18:23

Tgt Ion:122 Resp: 644
Ion Ratio Lower Upper
122 100
105 90.4 104.8 144.8#
77 77.9 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143195.D

Acq: 22 Jul 2025 18:23

Instrument :

BNA_F

ClientSampleId :

WC-4

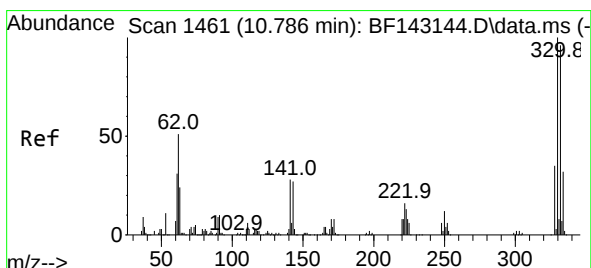
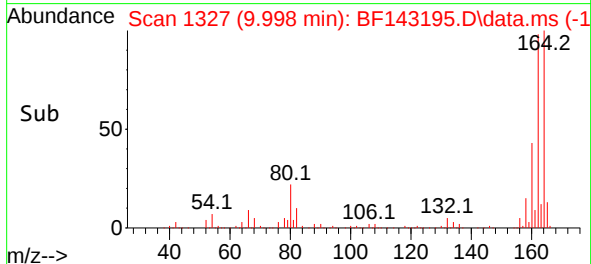
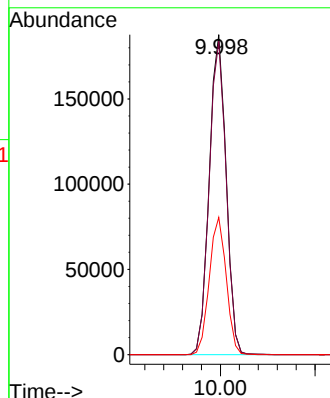
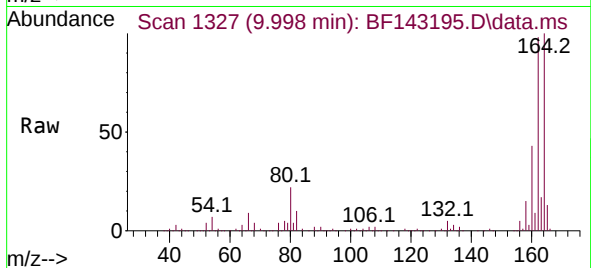
Tgt Ion:164 Resp: 232590

Ion Ratio Lower Upper

164 100

162 97.9 79.0 118.6

160 42.9 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 129.859 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143195.D

Acq: 22 Jul 2025 18:23

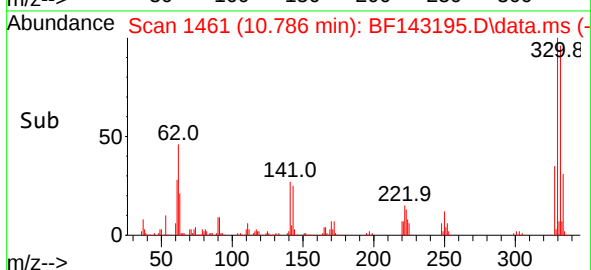
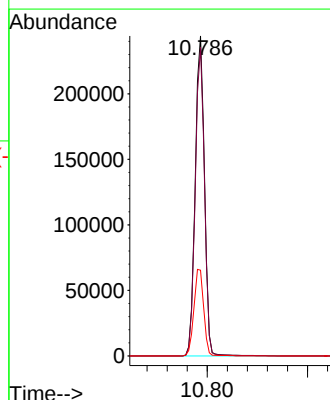
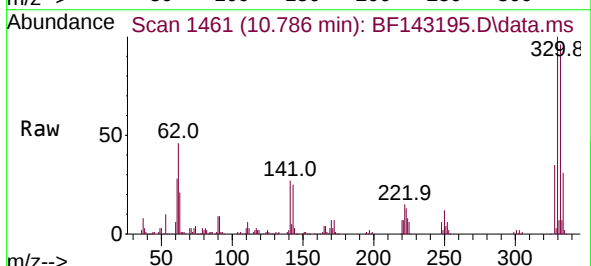
Tgt Ion:330 Resp: 312023

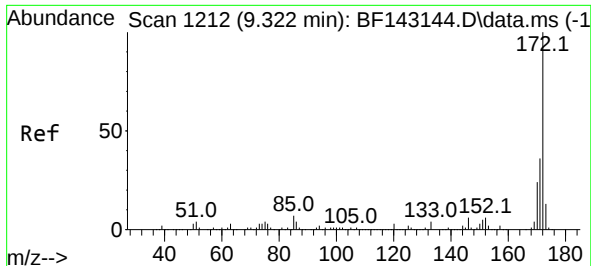
Ion Ratio Lower Upper

330 100

332 96.0 76.7 115.1

141 28.5 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 75.142 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143195.D

Acq: 22 Jul 2025 18:23

Instrument :

BNA_F

ClientSampleId :

WC-4

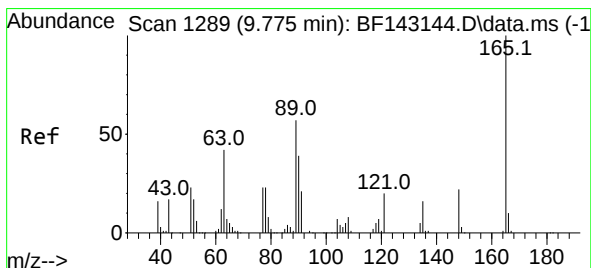
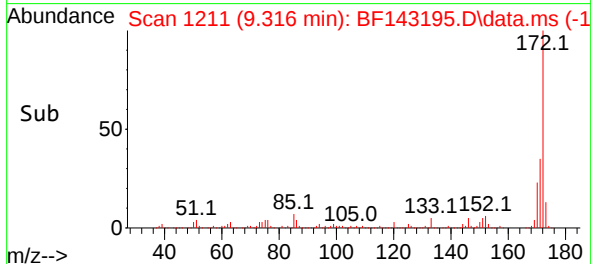
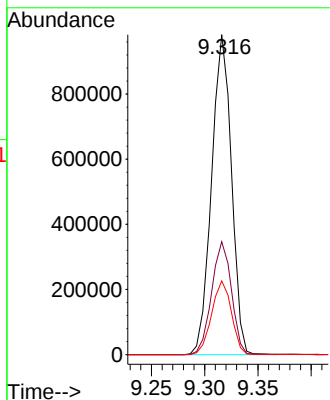
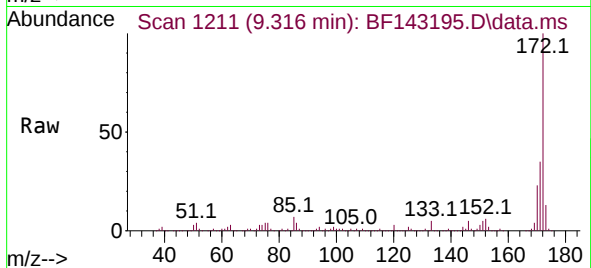
Tgt Ion:172 Resp: 1277925

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.0 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.696 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.224 min

Lab File: BF143195.D

Acq: 22 Jul 2025 18:23

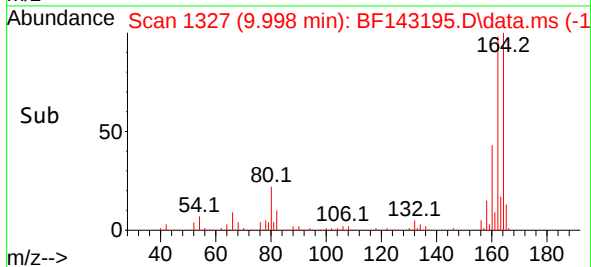
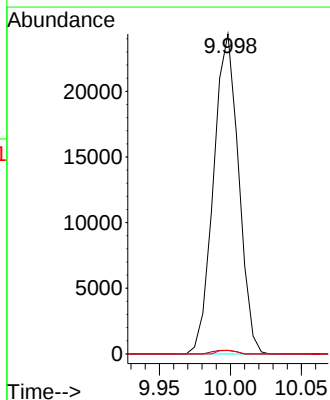
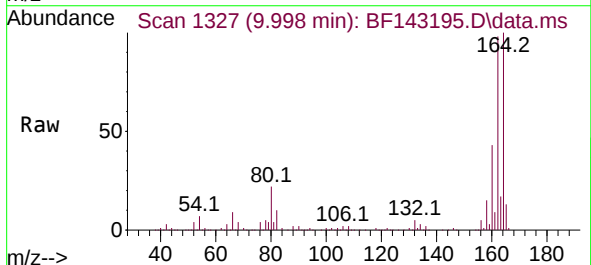
Tgt Ion:165 Resp: 29905

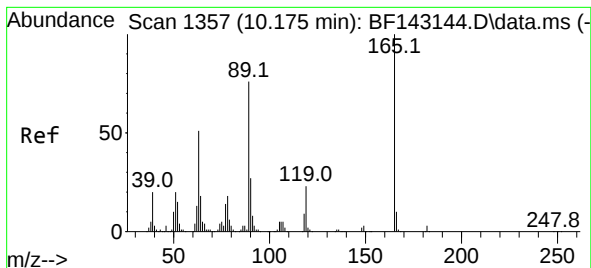
Ion Ratio Lower Upper

165 100

63 1.1 49.4 74.2#

89 1.1 46.2 69.2#

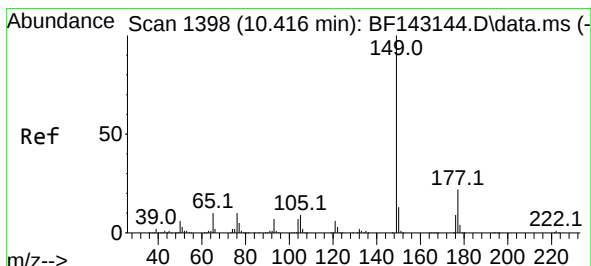
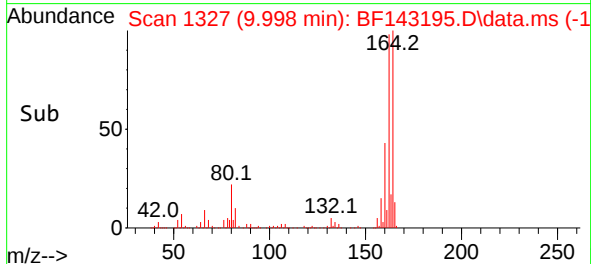
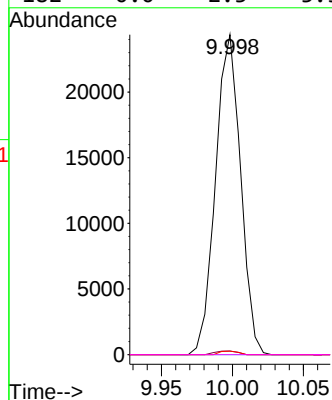
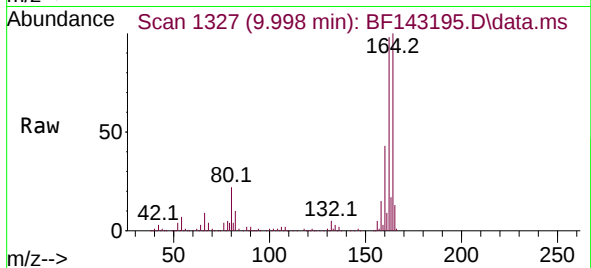




#57
2,4-Dinitrotoluene
Concen: 7.729 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143195.D
Acq: 22 Jul 2025 18:23

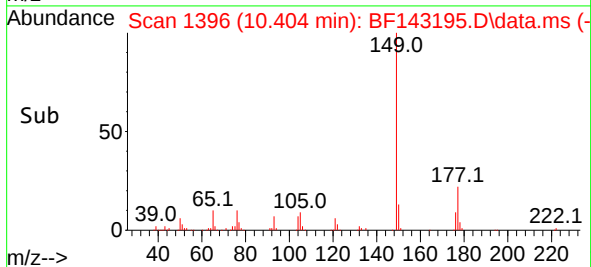
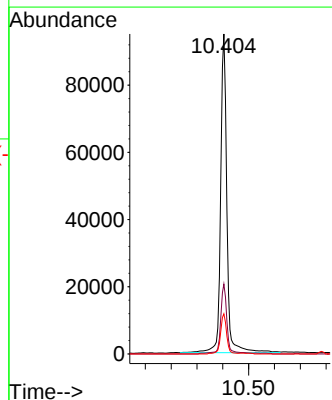
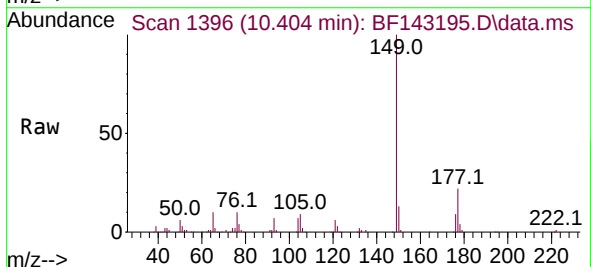
Instrument :
BNA_F
ClientSampleId :
WC-4

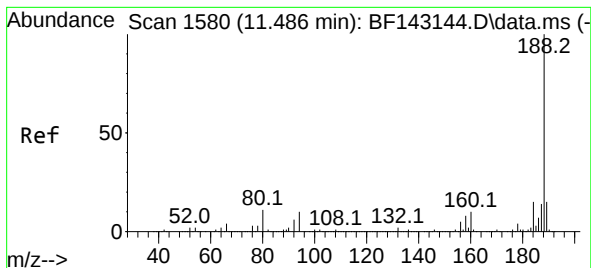
Tgt Ion:165 Resp: 29905
Ion Ratio Lower Upper
165 100
63 1.1 41.0 61.4#
89 1.1 61.1 91.7#
182 0.0 2.3 3.5#



#60
Diethylphthalate
Concen: 10.698 ng
RT: 10.404 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BF143195.D
Acq: 22 Jul 2025 18:23

Tgt Ion:149 Resp: 160317
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.5 10.2 15.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143195.D

Acq: 22 Jul 2025 18:23

Instrument :

BNA_F

ClientSampleId :

WC-4

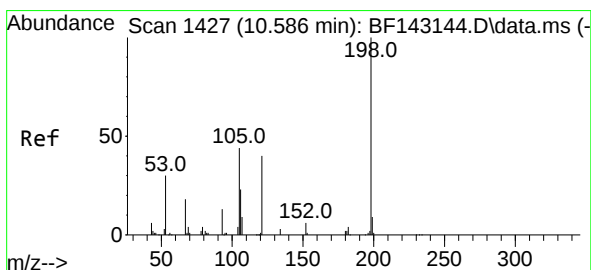
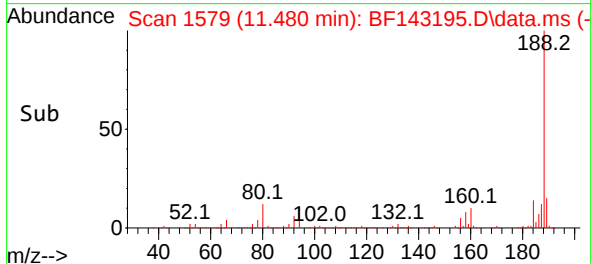
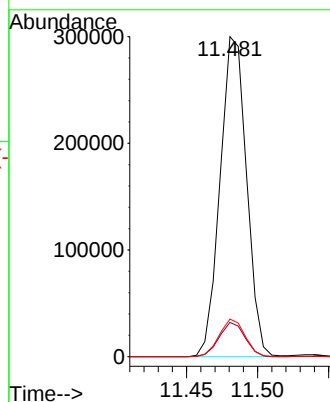
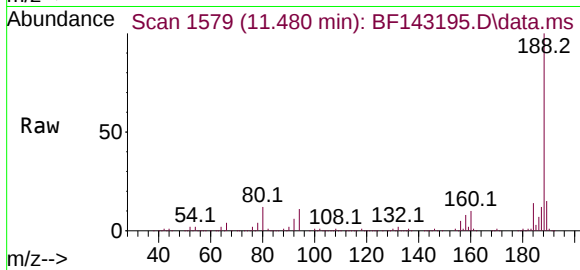
Tgt Ion:188 Resp: 389030

Ion Ratio Lower Upper

188 100

94 10.7 8.3 12.5

80 11.7 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.636 ng

RT: 10.781 min Scan# 1460

Delta R.T. 0.195 min

Lab File: BF143195.D

Acq: 22 Jul 2025 18:23

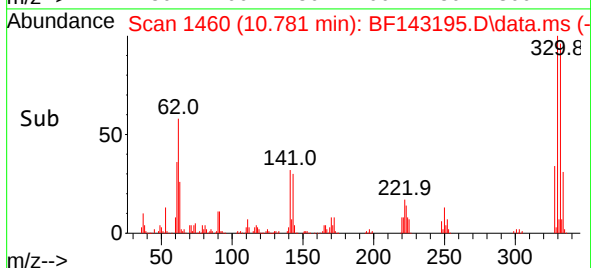
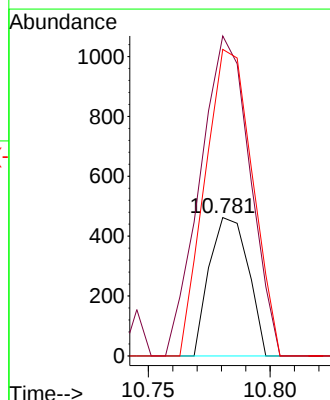
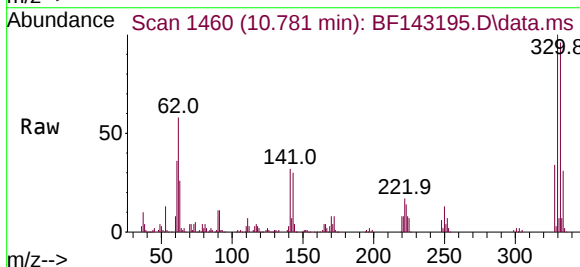
Tgt Ion:198 Resp: 514

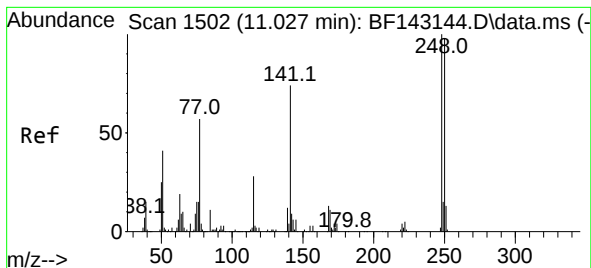
Ion Ratio Lower Upper

198 100

51 231.4 37.2 77.2#

105 221.6 24.8 64.8#

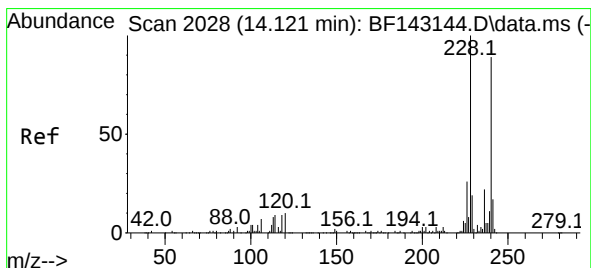
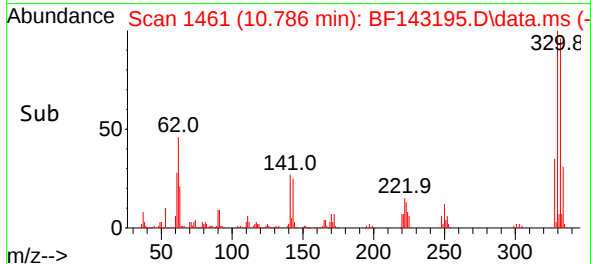
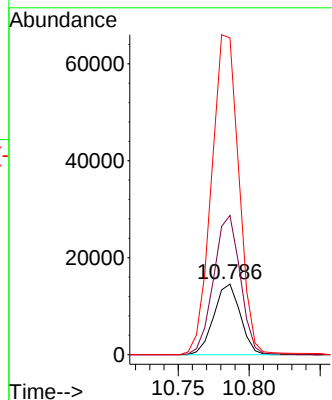
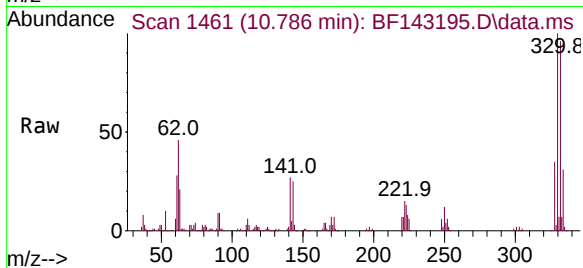




#67
4-Bromophenyl-phenylether
Concen: 4.061 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143195.D
Acq: 22 Jul 2025 18:23

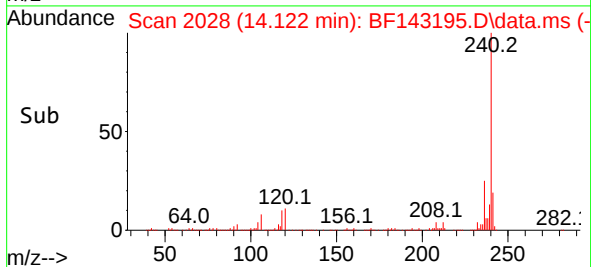
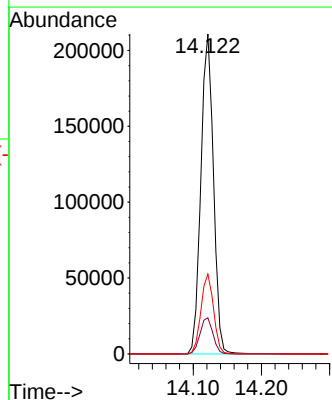
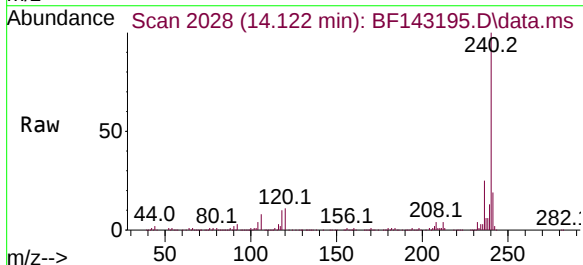
Instrument :
BNA_F
ClientSampleId :
WC-4

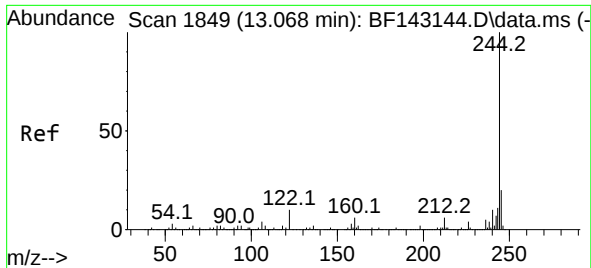
Tgt Ion:248 Resp: 18828
Ion Ratio Lower Upper
248 100
250 197.1 78.3 117.5#
141 448.9 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143195.D
Acq: 22 Jul 2025 18:23

Tgt Ion:240 Resp: 270810
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 24.9 20.2 30.4

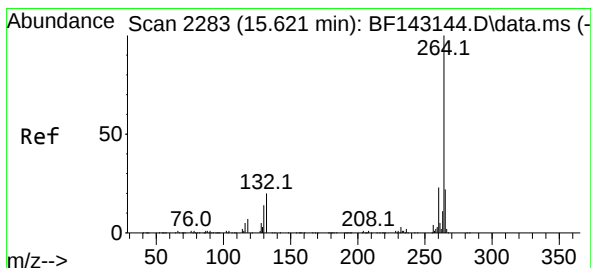
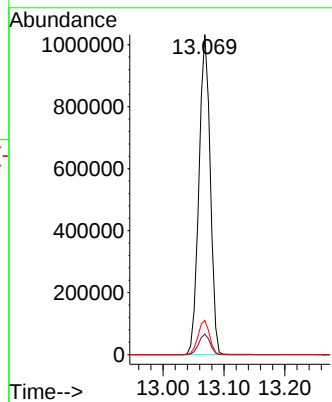
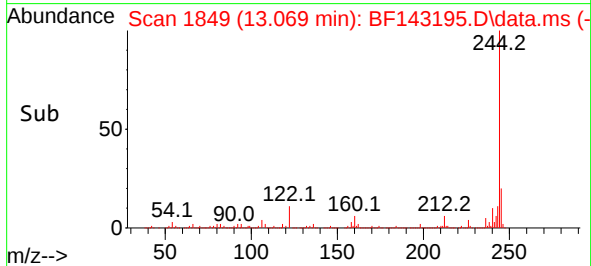
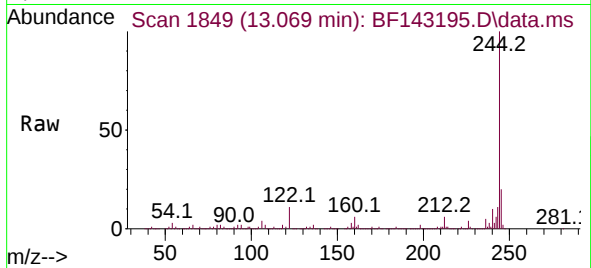




#79
 Terphenyl-d14
 Concen: 72.925 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143195.D
 Acq: 22 Jul 2025 18:23

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Tgt Ion:244 Resp: 1327108
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.7 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: BF143195.D
 Acq: 22 Jul 2025 18:23

Tgt Ion:264 Resp: 268114
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.5 27.7
 265 21.5 17.4 26.2

