

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143196.D
 Acq On : 22 Jul 2025 18:53
 Operator : RC/JU
 Sample : Q2649-20
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Quant Time: Jul 23 04:51:15 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)

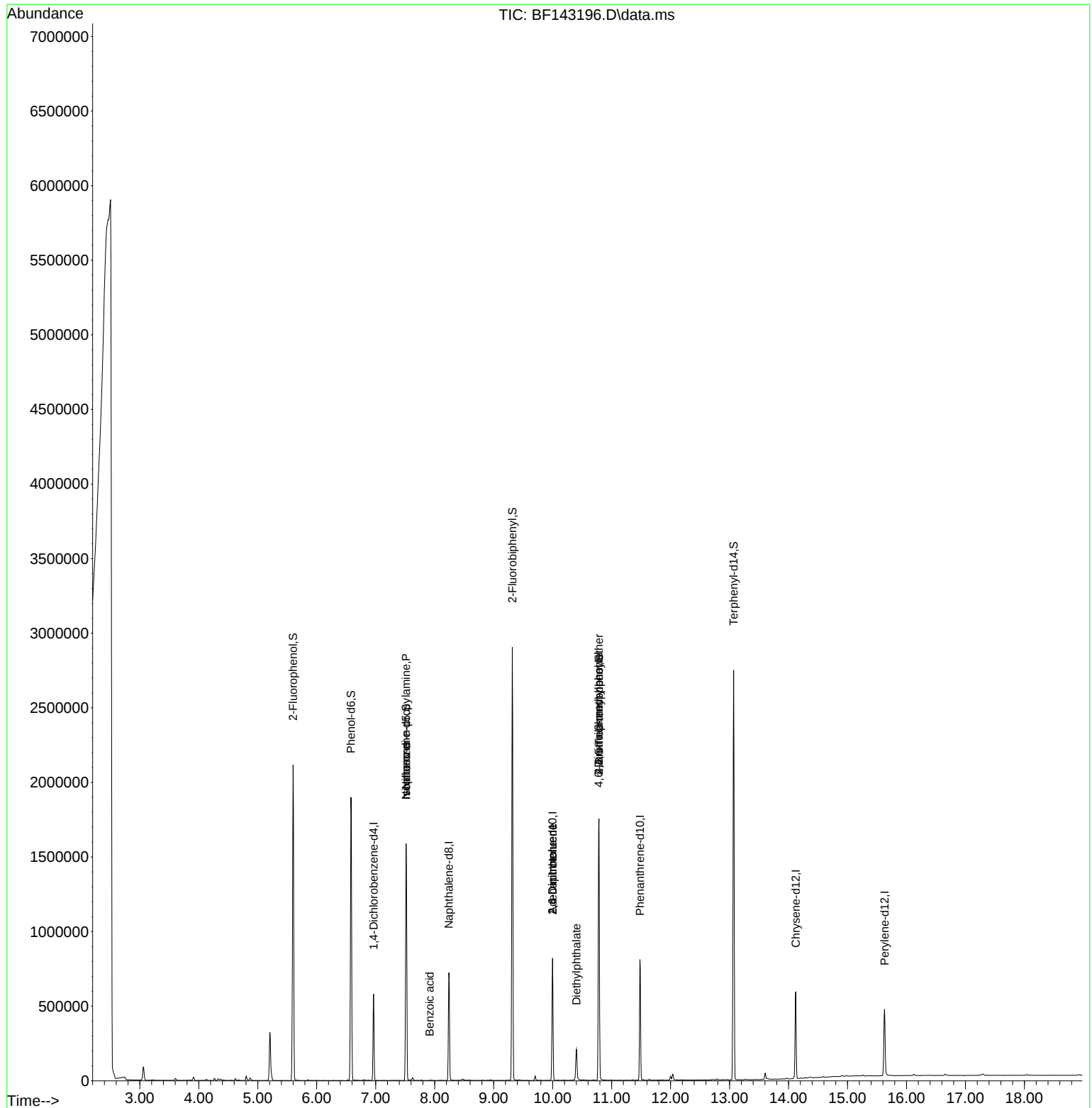
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	115398	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	437309	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	233060	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	409176	20.000	ng	0.00
76) Chrysene-d12	14.122	240	275784	20.000	ng	0.00
86) Perylene-d12	15.627	264	264854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.599	112	763921	104.757	ng	0.01
7) Phenol-d6	6.581	99	882533	96.150	ng	0.00
23) Nitrobenzene-d5	7.516	82	688006	78.423	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	318304	132.206	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1274330	74.779	ng	0.00
79) Terphenyl-d14	13.069	244	1322044	71.336	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	94336	16.020	ng	# 79
25) Isophorone	7.516	82	685957	44.292	ng	# 66
32) Benzoic acid	7.916	122	644	5.319	ng	# 87
51) 2,6-Dinitrotoluene	9.998	165	29558	9.564	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	29558	7.623	ng	# 20
60) Diethylphthalate	10.404	149	138985	9.256	ng	# 99
65) 4,6-Dinitro-2-methylph...	10.781	198	671	5.690	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	19193	3.936	ng	# 1

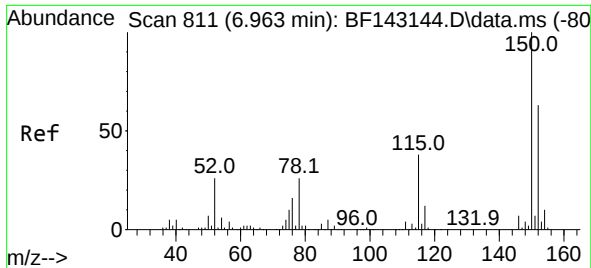
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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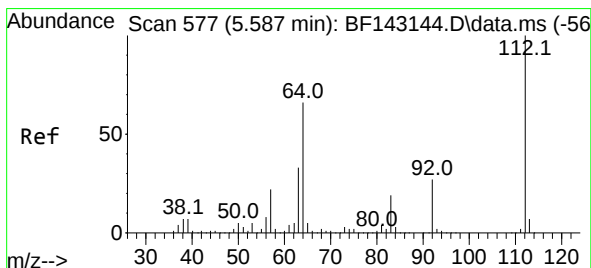
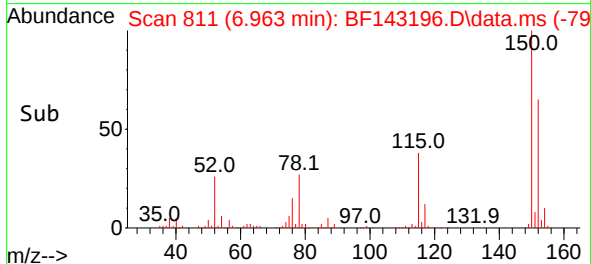
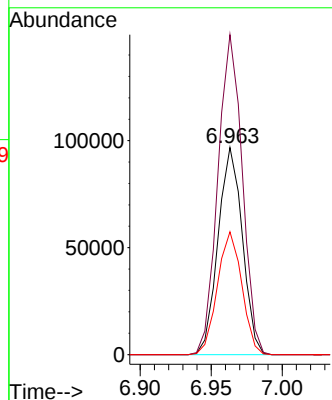
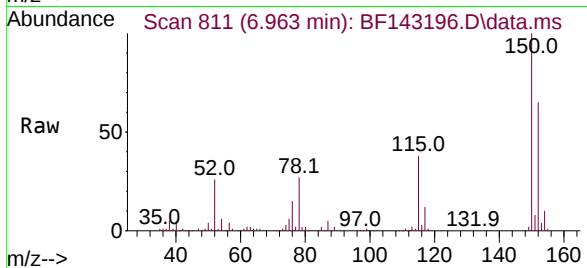




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

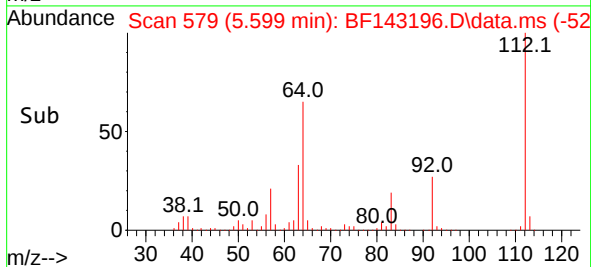
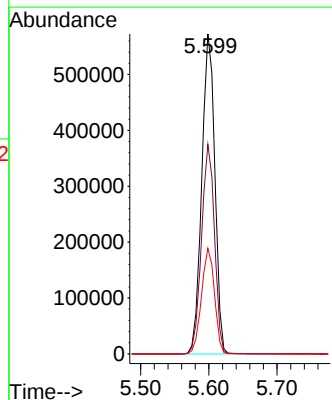
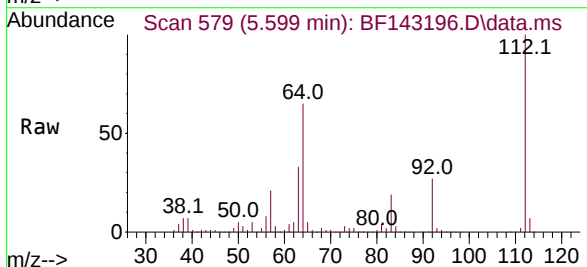
Instrument :
BNA_F
ClientSampleId :
WC-5

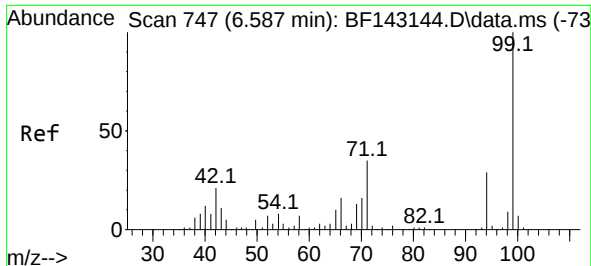
Tgt Ion:152 Resp: 115398
Ion Ratio Lower Upper
152 100
150 154.4 128.2 192.4
115 59.3 47.9 71.9



#5
2-Fluorophenol
Concen: 104.757 ng
RT: 5.599 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

Tgt Ion:112 Resp: 763921
Ion Ratio Lower Upper
112 100
64 65.4 53.1 79.7
63 33.0 26.6 40.0

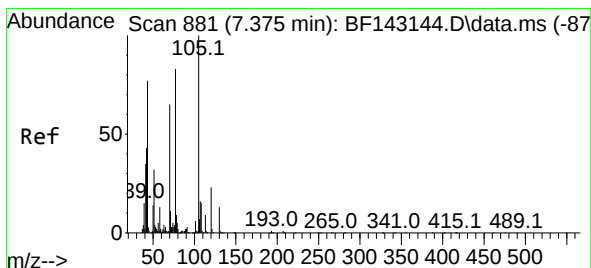
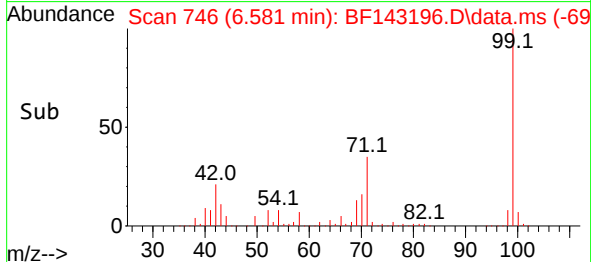
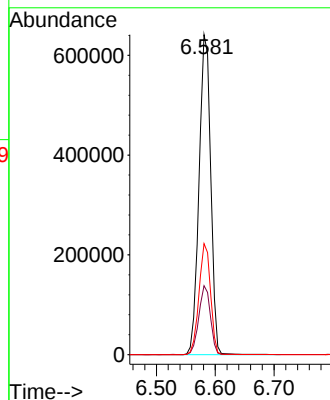
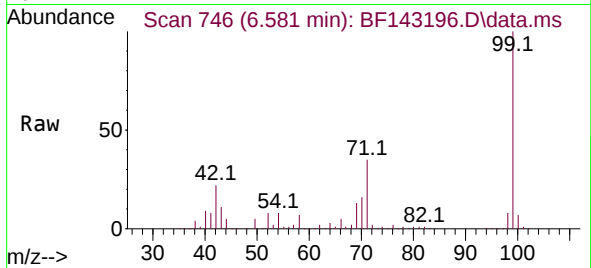




#7
Phenol-d6
Concen: 96.150 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

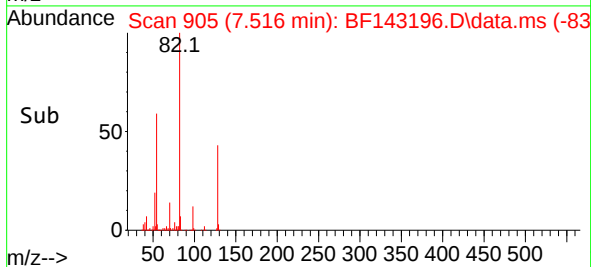
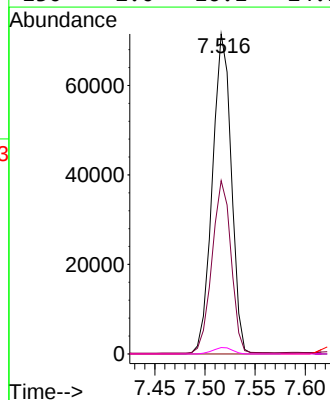
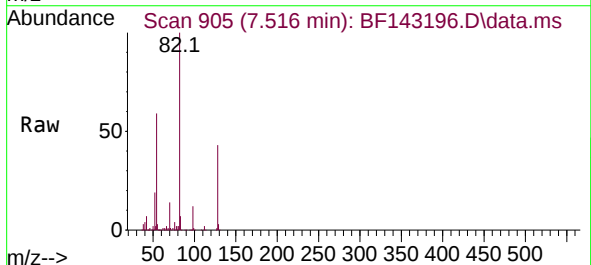
Instrument :
BNA_F
ClientSampleId :
WC-5

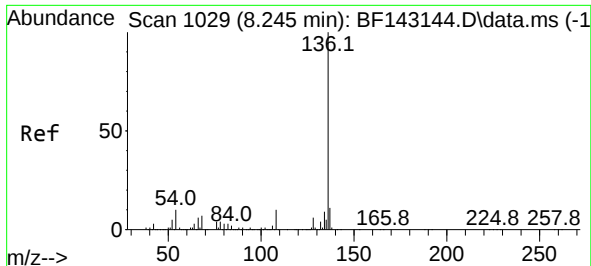
Tgt Ion: 99 Resp: 882533
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 34.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.020 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

Tgt Ion: 70 Resp: 94336
Ion Ratio Lower Upper
70 100
42 54.1 52.5 78.7
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#

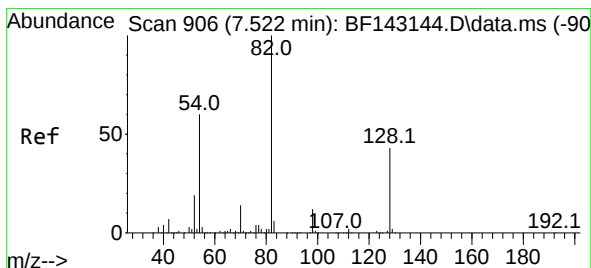
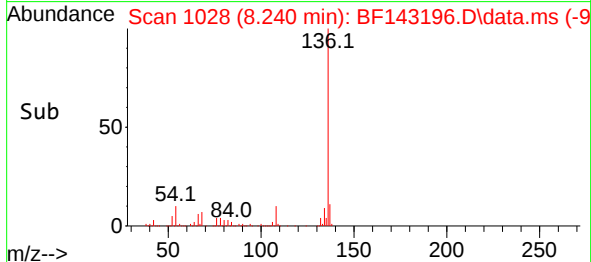
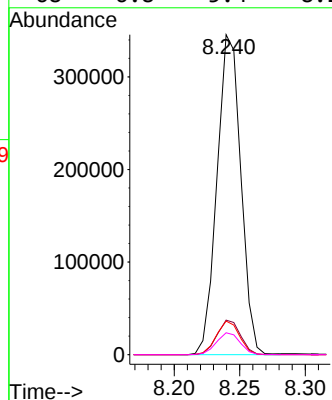
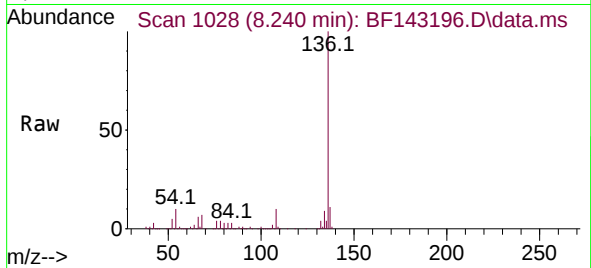




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

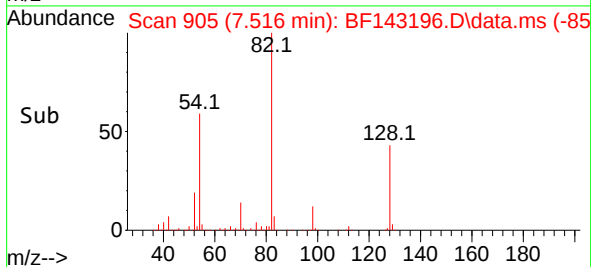
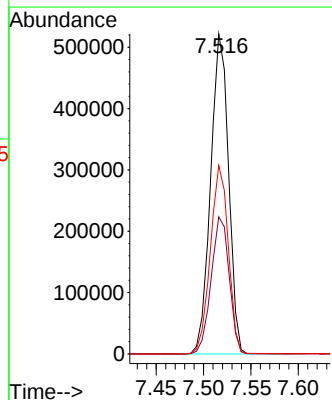
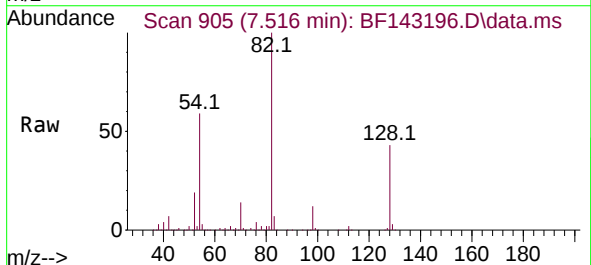
Instrument :
BNA_F
ClientSampleId :
WC-5

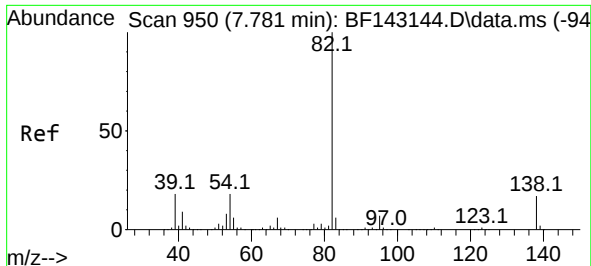
Tgt Ion:136	Resp: 437309
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 10.5	8.2 12.2
68 6.8	5.4 8.2



#23
Nitrobenzene-d5
Concen: 78.423 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

Tgt Ion: 82	Resp: 688006
Ion Ratio	Lower Upper
82 100	
128 42.8	33.6 50.4
54 58.9	47.1 70.7

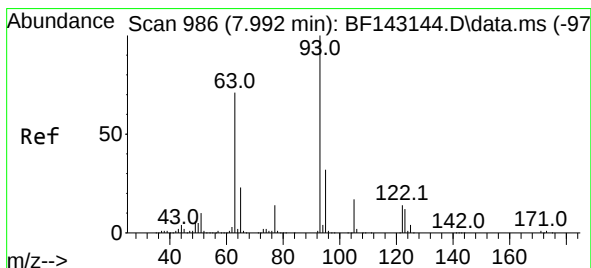
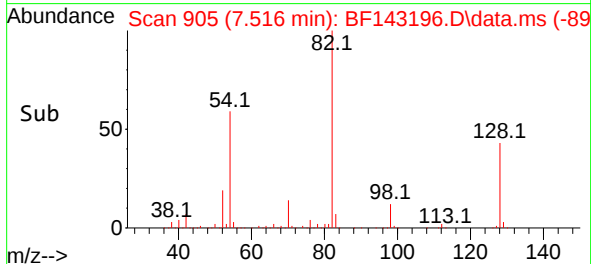
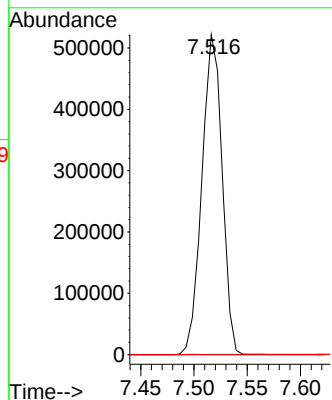
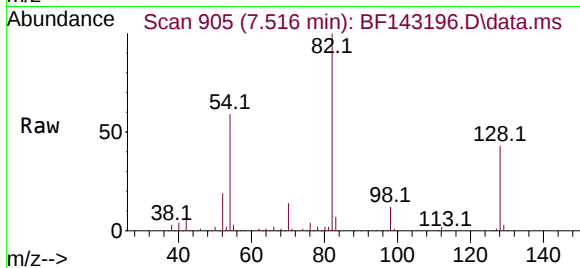




#25
Isophorone
Concen: 44.292 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

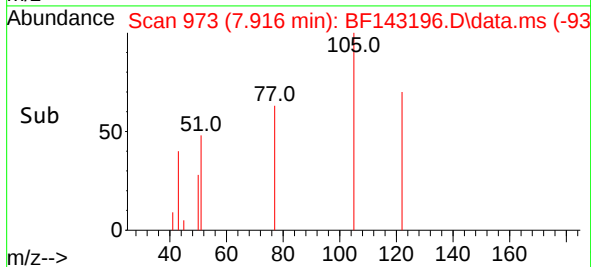
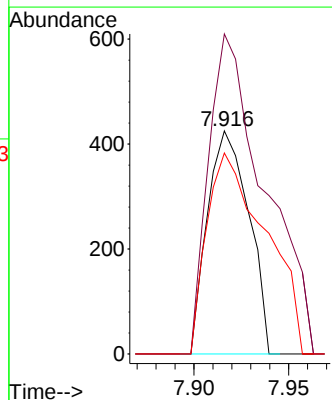
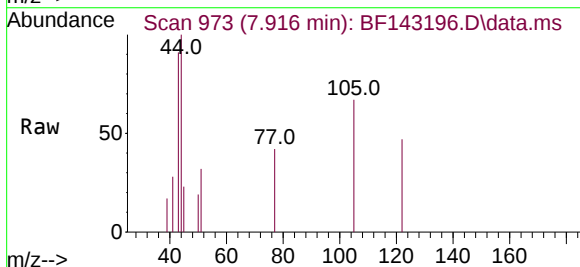
Instrument :
BNA_F
ClientSampleId :
WC-5

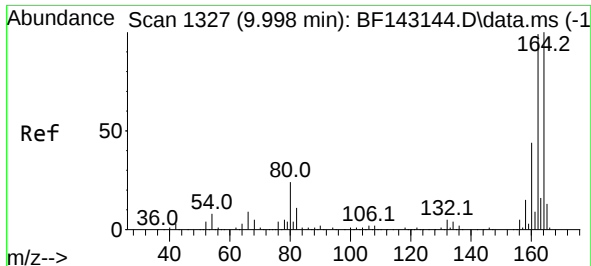
Tgt Ion: 82 Resp: 685957
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.319 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.076 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

Tgt Ion:122 Resp: 644
Ion Ratio Lower Upper
122 100
105 143.5 104.8 144.8
77 90.1 77.6 117.6

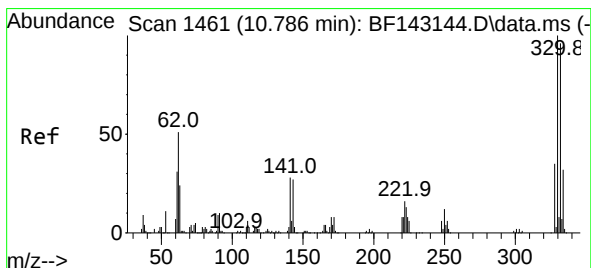
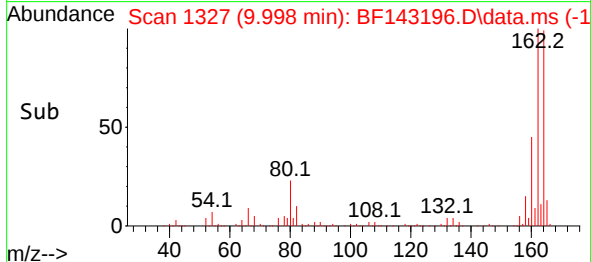
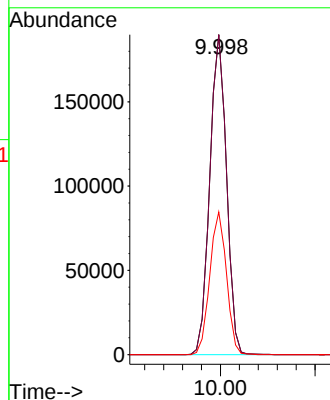
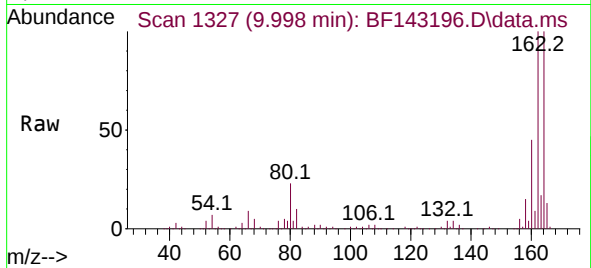




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

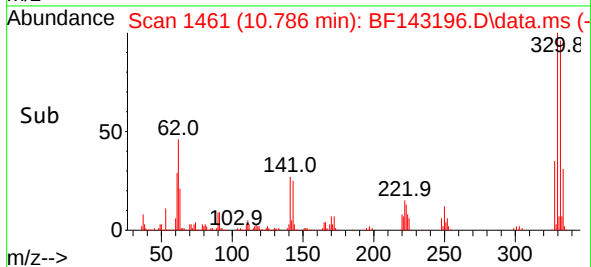
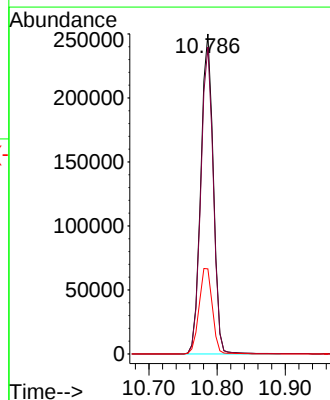
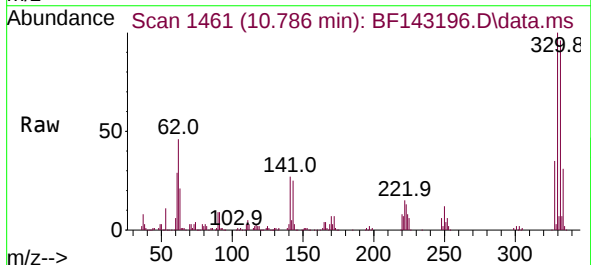
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WC-5

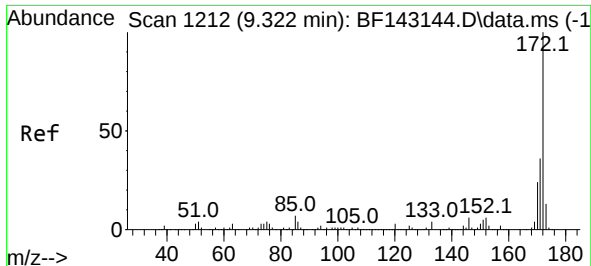
Tgt Ion:164 Resp: 233060
Ion Ratio Lower Upper
164 100
162 100.0 79.0 118.6
160 44.6 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 132.206 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

Tgt Ion:330 Resp: 318304
Ion Ratio Lower Upper
330 100
332 95.9 76.7 115.1
141 28.3 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 74.779 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143196.D

Acq: 22 Jul 2025 18:53

Instrument :

BNA_F

ClientSampleId :

WC-5

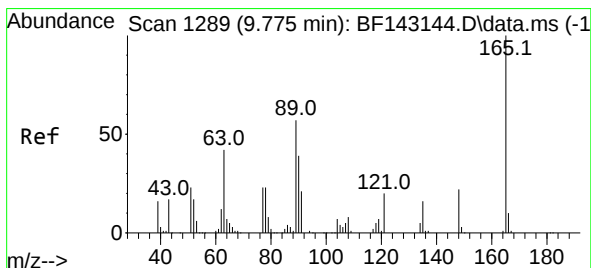
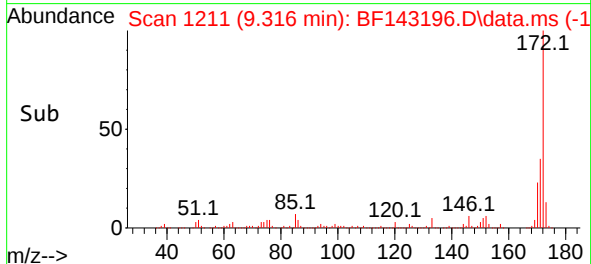
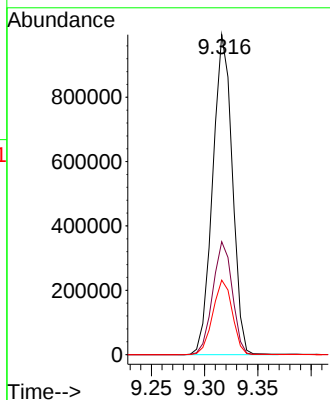
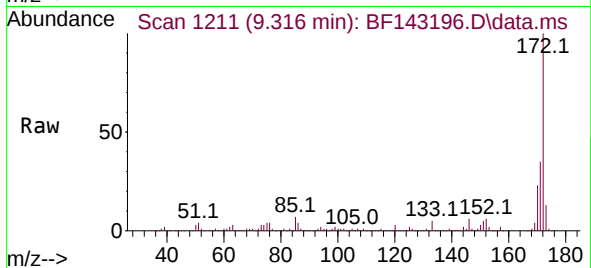
Tgt Ion:172 Resp: 1274330

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.3 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.564 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.224 min

Lab File: BF143196.D

Acq: 22 Jul 2025 18:53

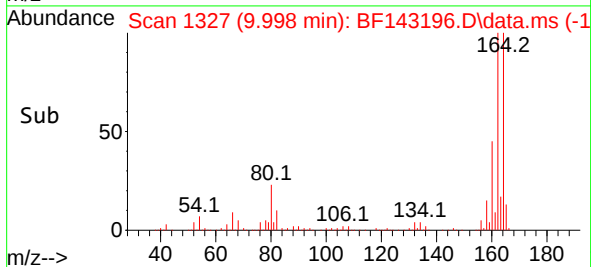
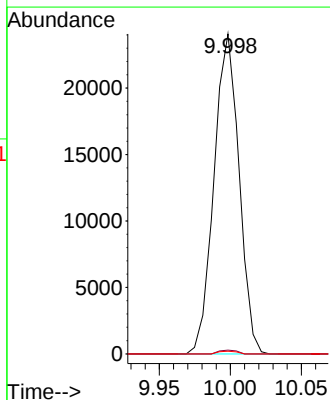
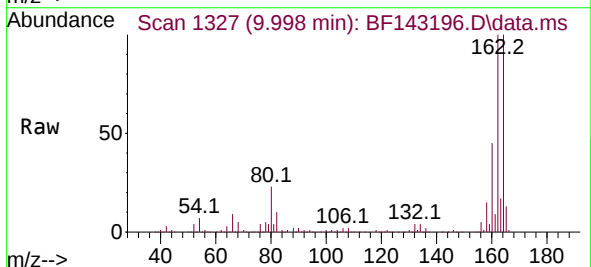
Tgt Ion:165 Resp: 29558

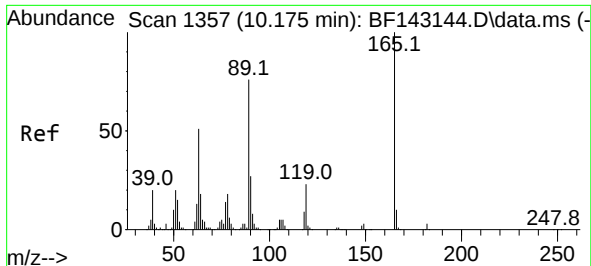
Ion Ratio Lower Upper

165 100

63 1.2 49.4 74.2#

89 0.8 46.2 69.2#

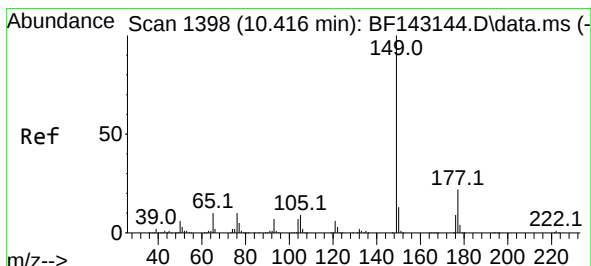
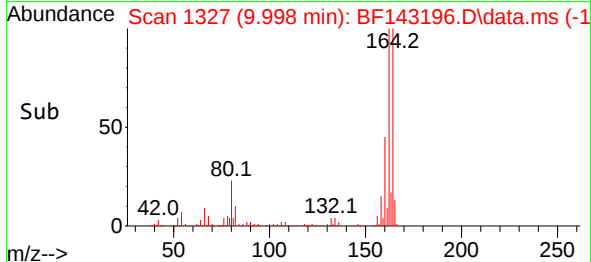
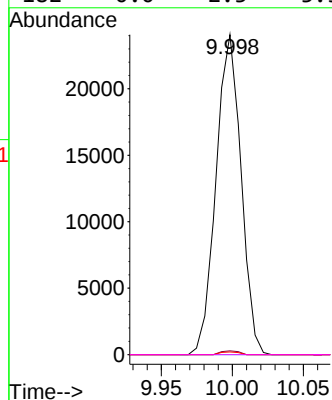
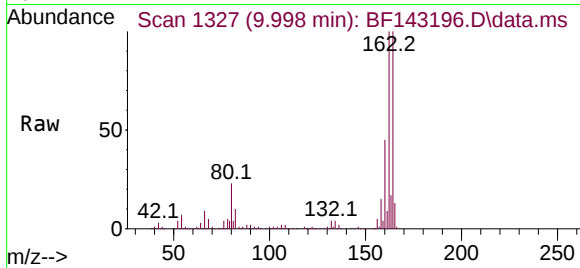




#57
2,4-Dinitrotoluene
Concen: 7.623 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

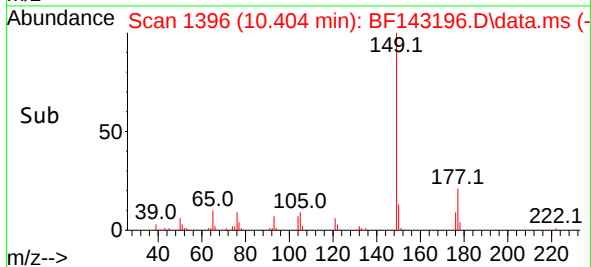
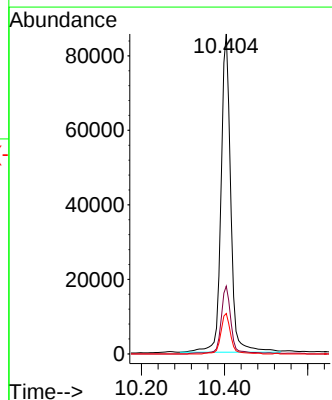
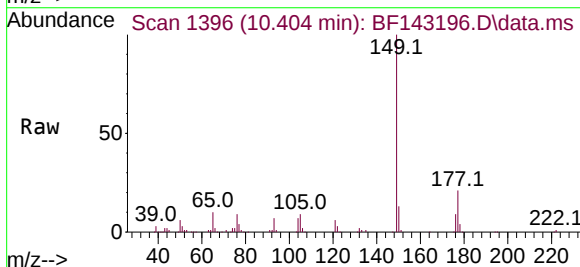
Instrument :
BNA_F
ClientSampleId :
WC-5

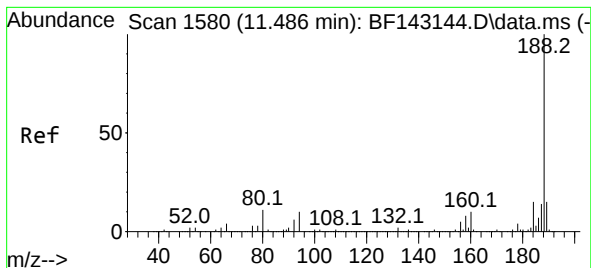
Tgt Ion:	165	Resp:	29558
Ion Ratio	Lower	Upper	
165	100		
63	1.2	41.0	61.4#
89	0.8	61.1	91.7#
182	0.0	2.3	3.5#



#60
Diethylphthalate
Concen: 9.256 ng
RT: 10.404 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

Tgt Ion:	149	Resp:	138985
Ion Ratio	Lower	Upper	
149	100		
177	21.2	17.5	26.3
150	12.6	10.2	15.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.481 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143196.D

Acq: 22 Jul 2025 18:53

Instrument :

BNA_F

ClientSampleId :

WC-5

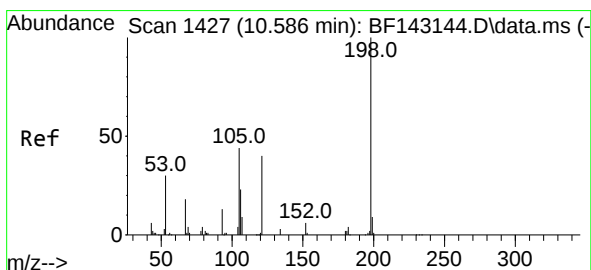
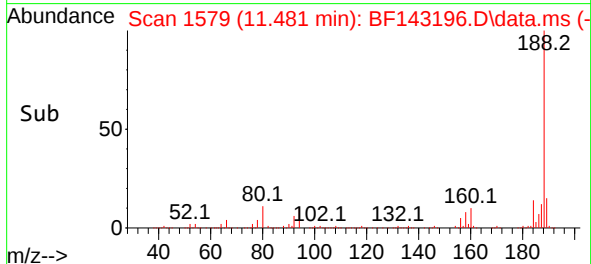
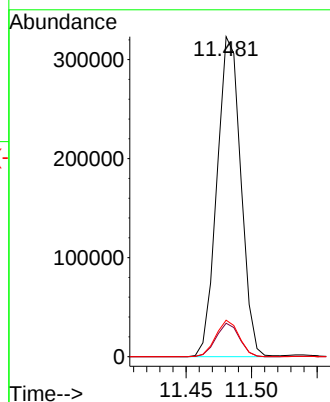
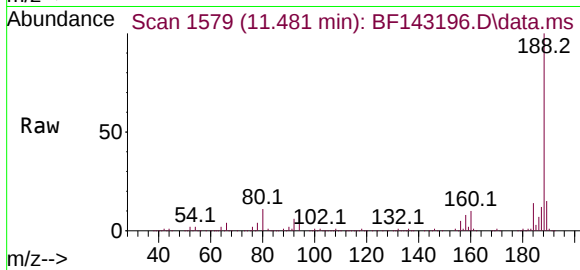
Tgt Ion:188 Resp: 409176

Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

80 11.4 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.690 ng

RT: 10.781 min Scan# 1460

Delta R.T. 0.195 min

Lab File: BF143196.D

Acq: 22 Jul 2025 18:53

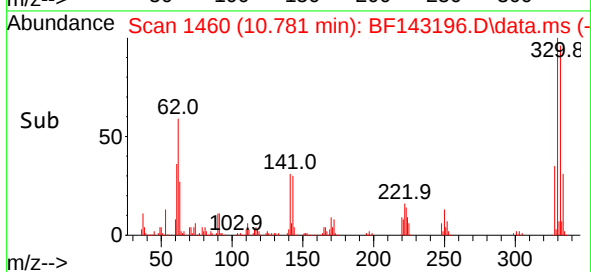
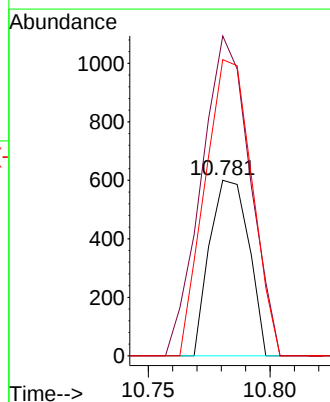
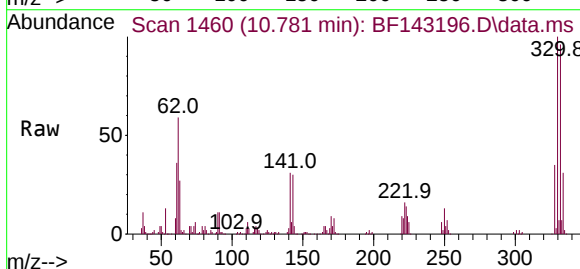
Tgt Ion:198 Resp: 671

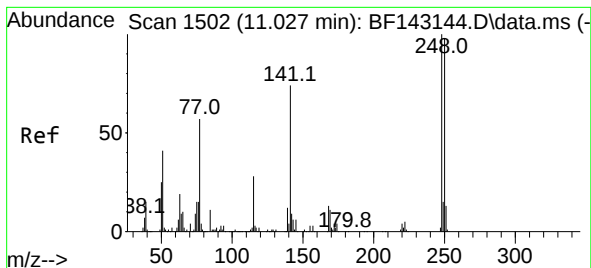
Ion Ratio Lower Upper

198 100

51 182.3 37.2 77.2#

105 168.8 24.8 64.8#

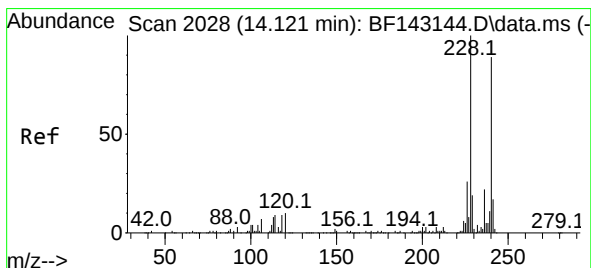
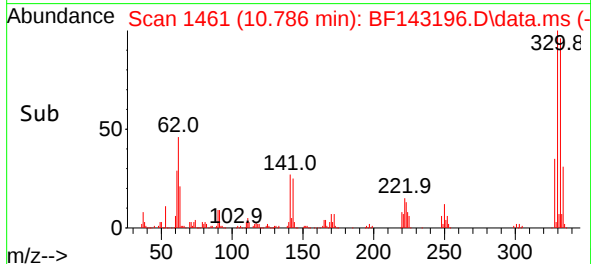
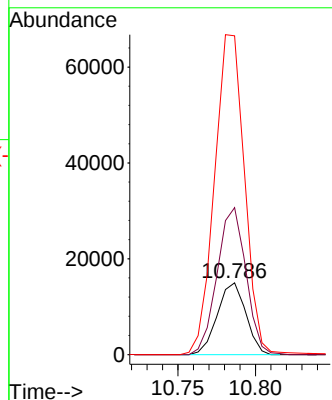
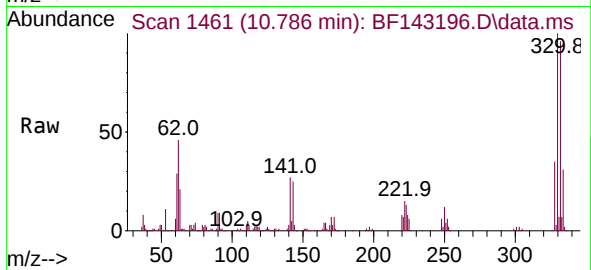




#67
4-Bromophenyl-phenylether
Concen: 3.936 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

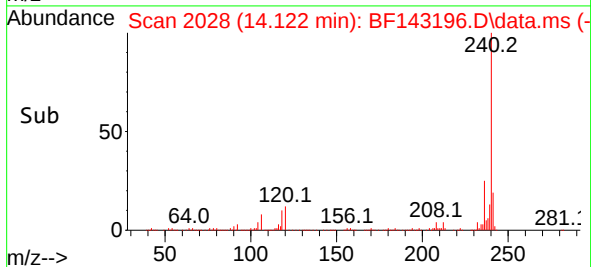
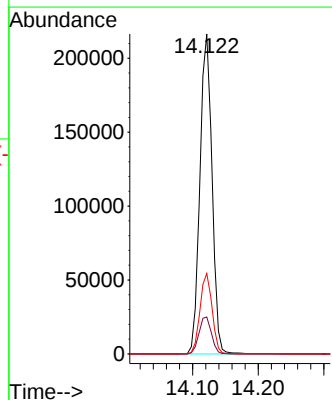
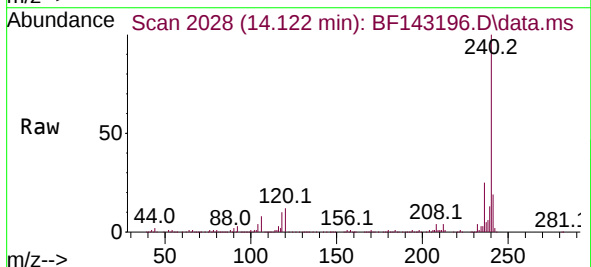
Instrument :
BNA_F
ClientSampleId :
WC-5

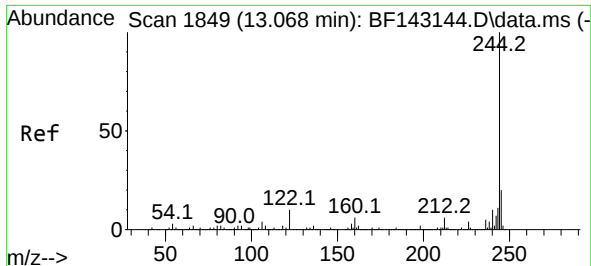
Tgt Ion:248 Resp: 19193
Ion Ratio Lower Upper
248 100
250 204.6 78.3 117.5#
141 443.6 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143196.D
Acq: 22 Jul 2025 18:53

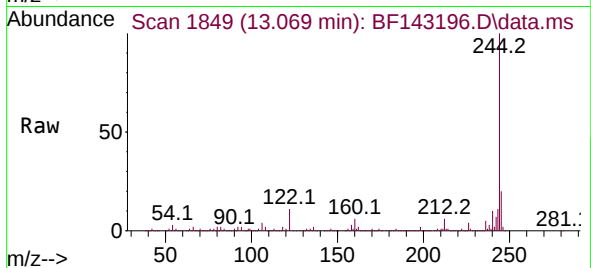
Tgt Ion:240 Resp: 275784
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.2
236 25.1 20.2 30.4



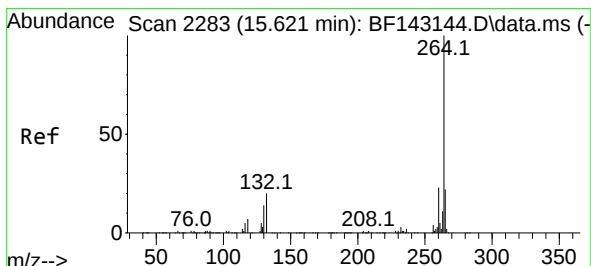
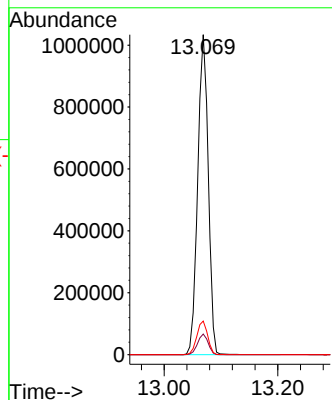
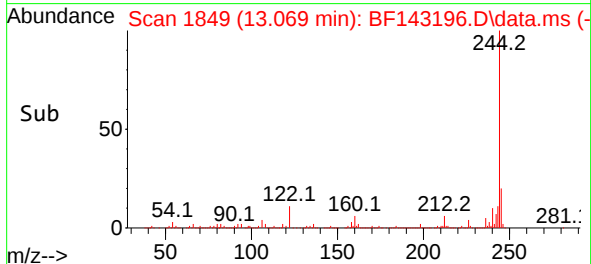


#79
 Terphenyl-d14
 Concen: 71.336 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143196.D
 Acq: 22 Jul 2025 18:53

Instrument :
 BNA_F
 ClientSampleId :
 WC-5



Tgt Ion:244 Resp: 1322044
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.5 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: BF143196.D
 Acq: 22 Jul 2025 18:53

Tgt Ion:264 Resp: 264854
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.5 27.7
 265 21.7 17.4 26.2

