

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143193.D
 Acq On : 22 Jul 2025 17:25
 Operator : RC/JU
 Sample : Q2649-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Jul 22 17:51:12 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)

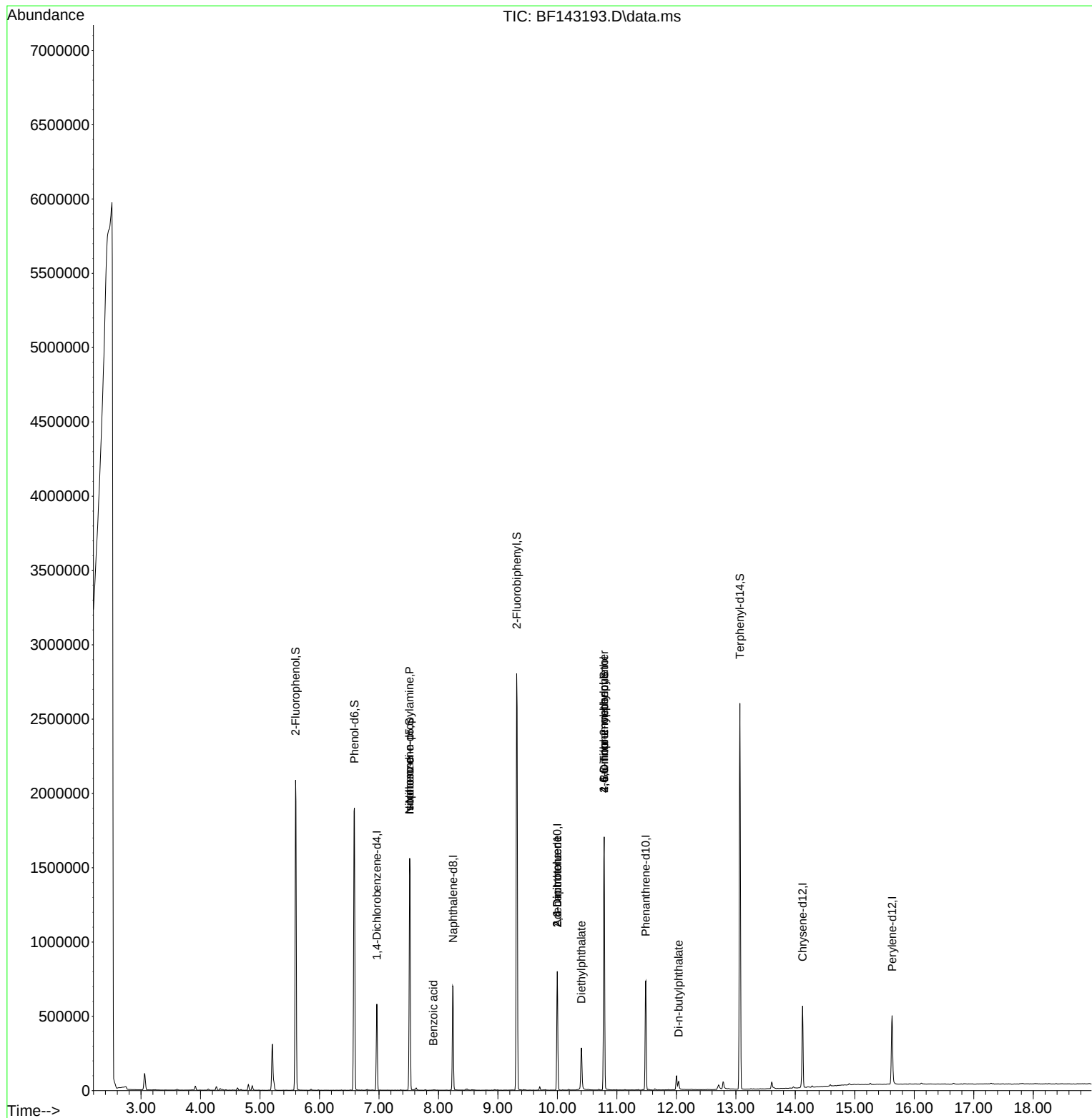
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	114430	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	434939	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	226568	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	383762	20.000	ng	0.00
76) Chrysene-d12	14.121	240	256996	20.000	ng	0.00
86) Perylene-d12	15.627	264	268282	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	766825	106.045	ng	0.01
7) Phenol-d6	6.587	99	907082	99.661	ng	0.00
23) Nitrobenzene-d5	7.516	82	686068	78.628	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	304125	129.936	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1251076	75.518	ng	0.00
79) Terphenyl-d14	13.068	244	1244639	72.070	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	93034	15.932	ng	# 81
25) Isophorone	7.516	82	680652	44.189	ng	# 66
32) Benzoic acid	7.916	122	739	5.341	ng	93
51) 2,6-Dinitrotoluene	9.998	165	28845	9.601	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	28845	7.653	ng	# 21
60) Diethylphthalate	10.404	149	194246	13.307	ng	99
65) 4,6-Dinitro-2-methylph...	10.786	198	521	5.642	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	18525	4.051	ng	# 1
74) Di-n-butylphthalate	12.039	149	41221	2.008	ng	99

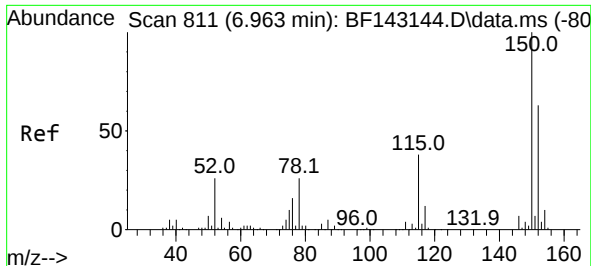
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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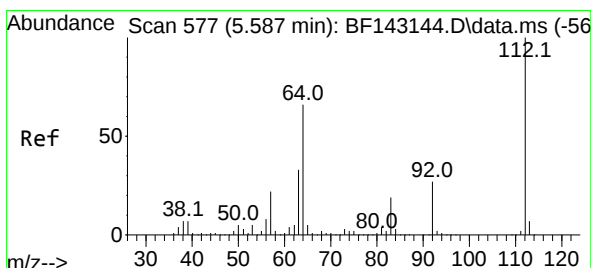
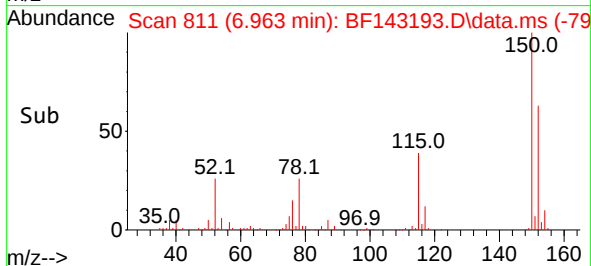
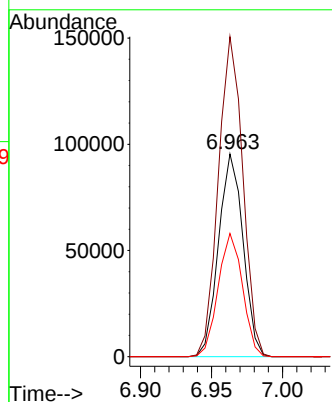
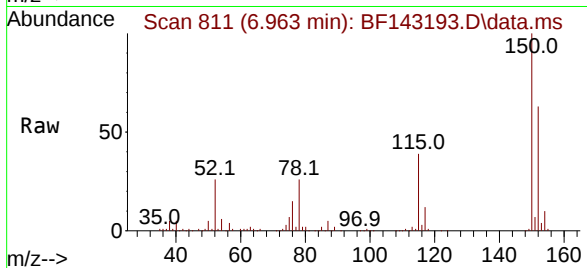




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 811
 Delta R.T. -0.000 min
 Lab File: BF143193.D
 Acq: 22 Jul 2025 17:25

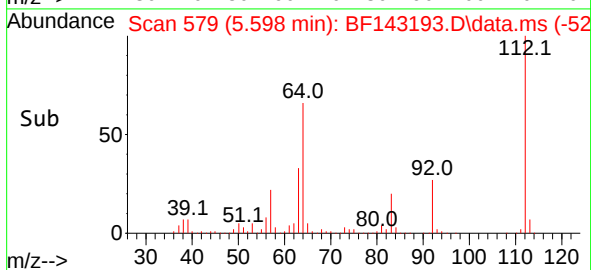
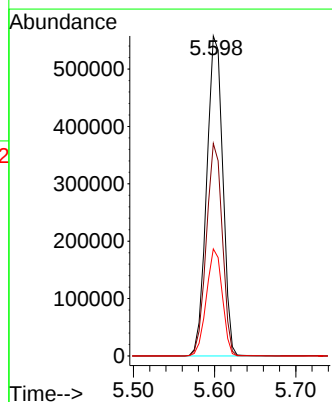
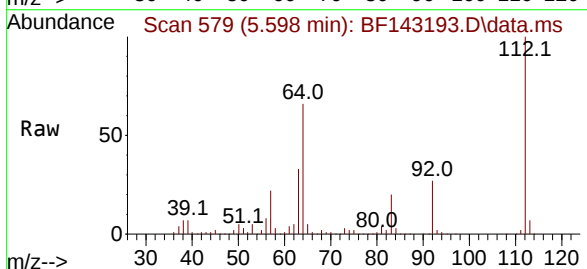
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

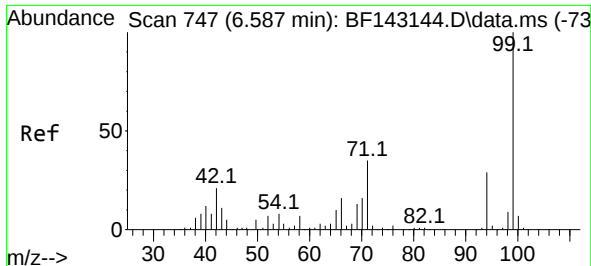
Tgt Ion:152 Resp: 114430
 Ion Ratio Lower Upper
 152 100
 150 157.8 128.2 192.4
 115 60.8 47.9 71.9



#5
 2-Fluorophenol
 Concen: 106.045 ng
 RT: 5.598 min Scan# 579
 Delta R.T. 0.012 min
 Lab File: BF143193.D
 Acq: 22 Jul 2025 17:25

Tgt Ion:112 Resp: 766825
 Ion Ratio Lower Upper
 112 100
 64 66.4 53.1 79.7
 63 33.4 26.6 40.0

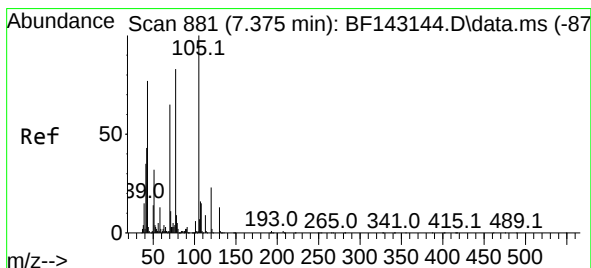
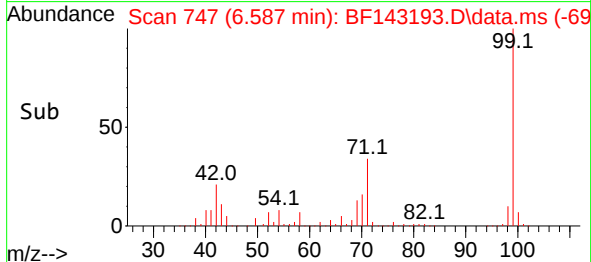
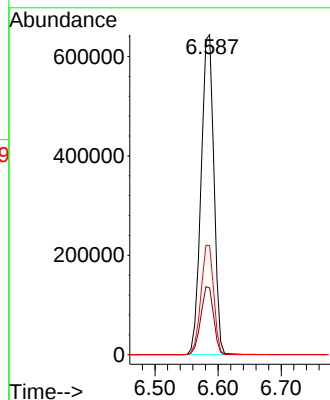
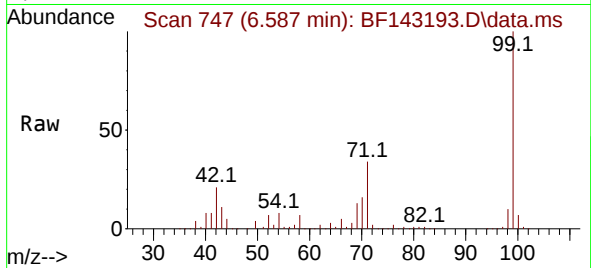




#7
Phenol-d6
Concen: 99.661 ng
RT: 6.587 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

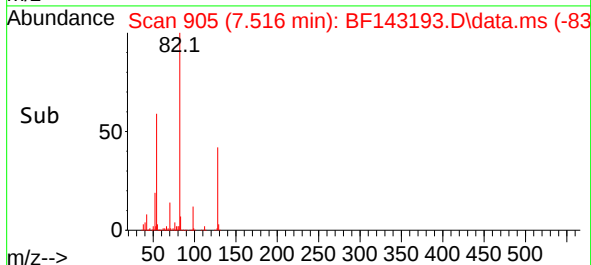
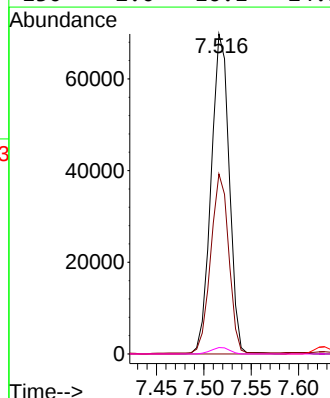
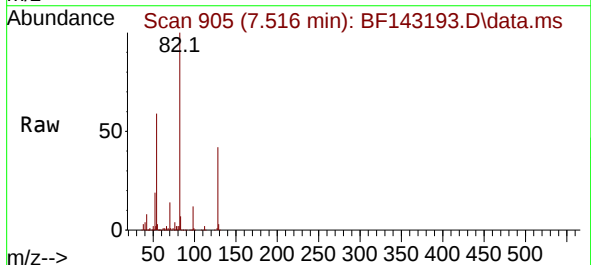
Instrument :
BNA_F
ClientSampleId :
WC-2

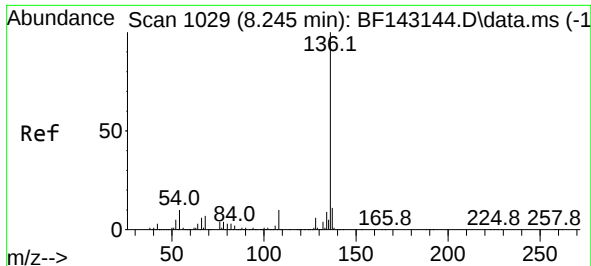
Tgt Ion: 99 Resp: 907082
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 34.1 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.932 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

Tgt Ion: 70 Resp: 93034
Ion Ratio Lower Upper
70 100
42 56.2 52.5 78.7
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#

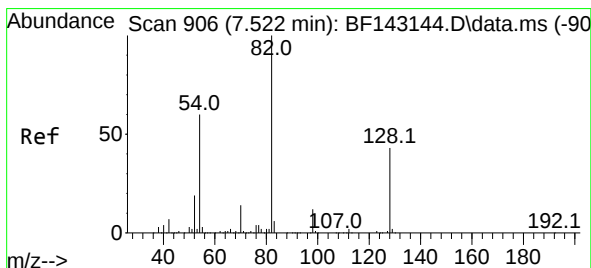
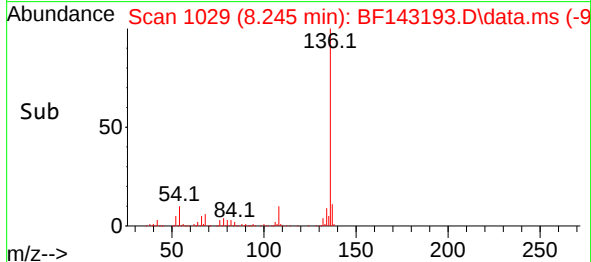
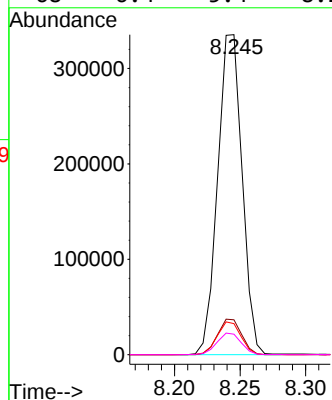
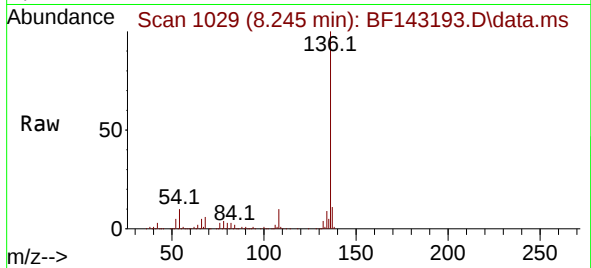




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

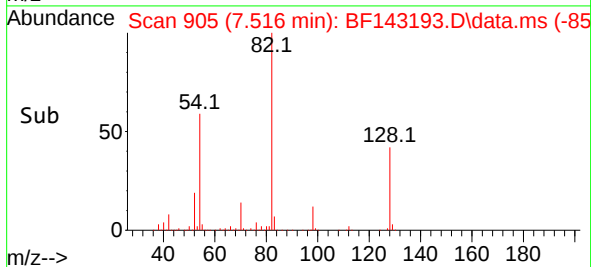
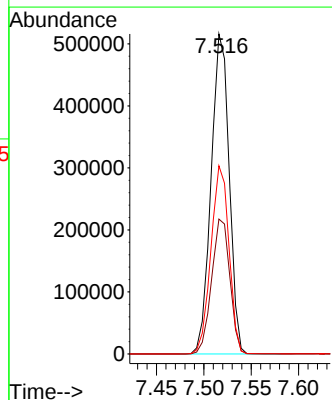
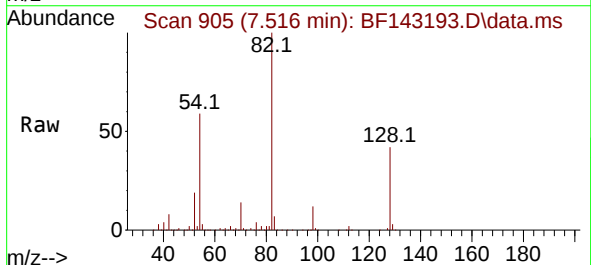
Instrument :
BNA_F
ClientSampleId :
WC-2

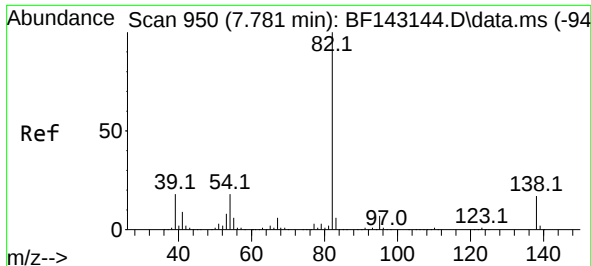
Tgt Ion:	136	Resp:	434939
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.7	8.2	12.2
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 78.628 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

Tgt Ion:	82	Resp:	686068
Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.6	50.4
54	58.8	47.1	70.7

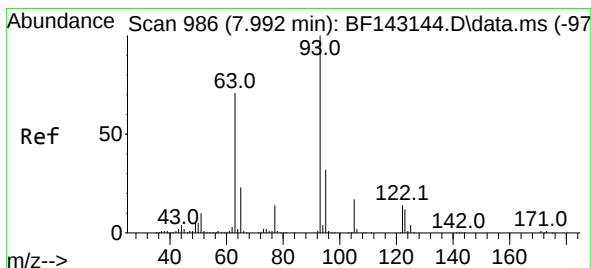
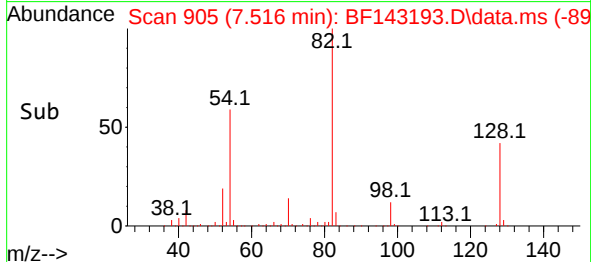
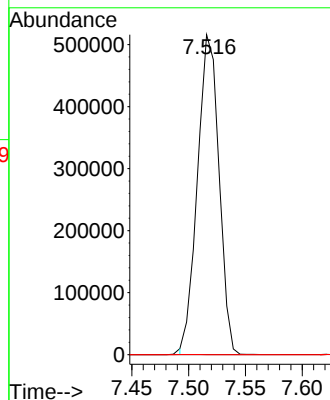
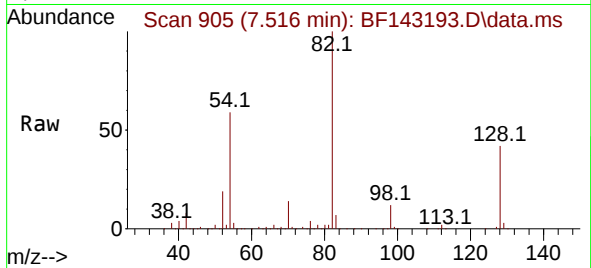




#25
Isophorone
Concen: 44.189 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

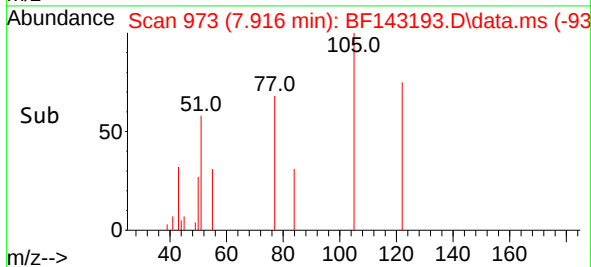
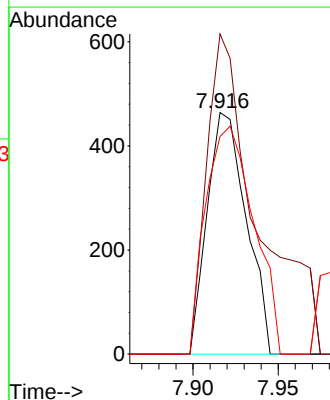
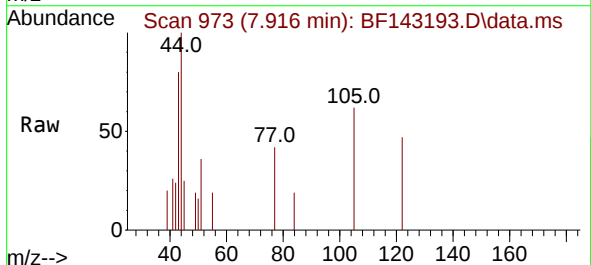
Instrument :
BNA_F
ClientSampleId :
WC-2

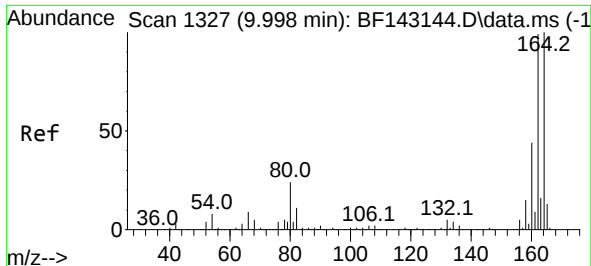
Tgt Ion: 82 Resp: 680652
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.341 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.076 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

Tgt Ion:122 Resp: 739
Ion Ratio Lower Upper
122 100
105 132.5 104.8 144.8
77 90.1 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143193.D

Acq: 22 Jul 2025 17:25

Instrument :

BNA_F

ClientSampleId :

WC-2

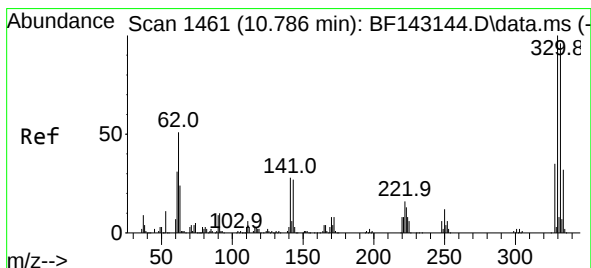
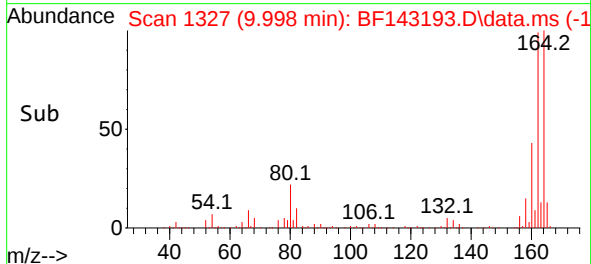
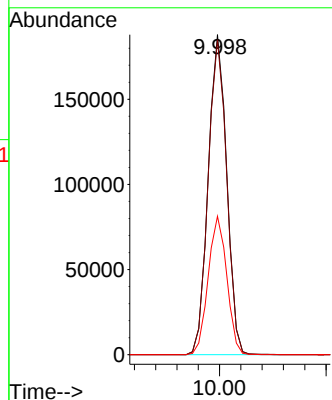
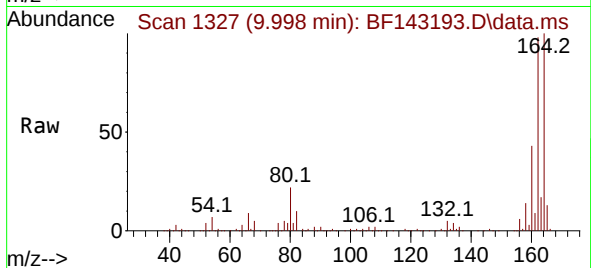
Tgt Ion:164 Resp: 226568

Ion Ratio Lower Upper

164 100

162 98.4 79.0 118.6

160 43.3 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 129.936 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143193.D

Acq: 22 Jul 2025 17:25

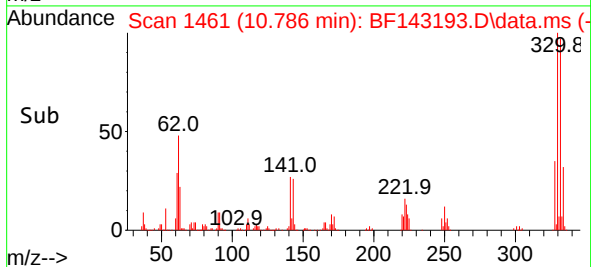
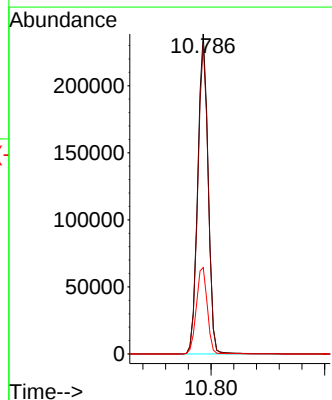
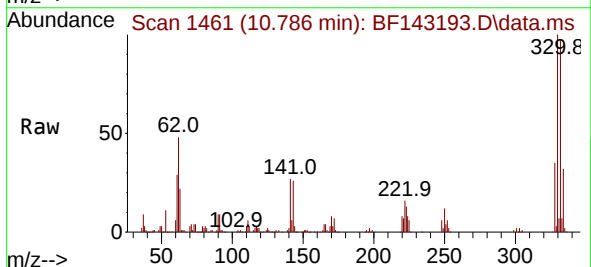
Tgt Ion:330 Resp: 304125

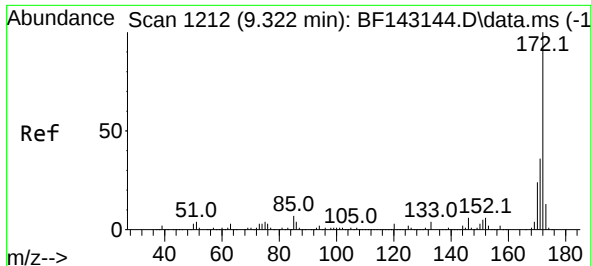
Ion Ratio Lower Upper

330 100

332 96.7 76.7 115.1

141 28.4 23.3 34.9

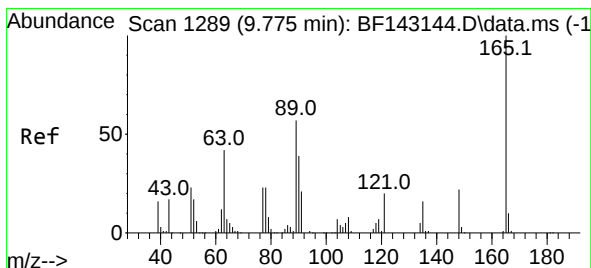
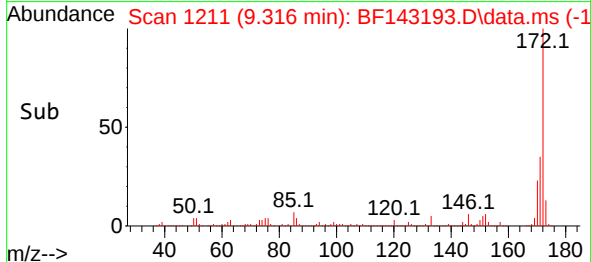
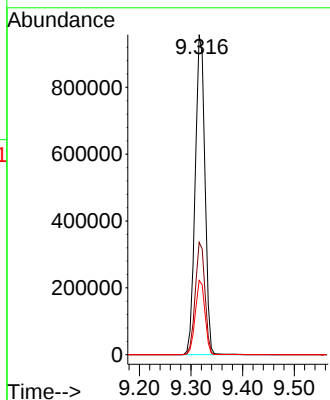
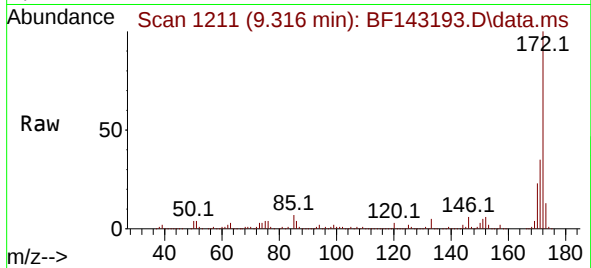




#45
2-Fluorobiphenyl
Concen: 75.518 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

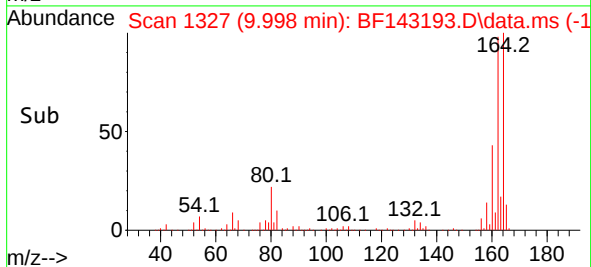
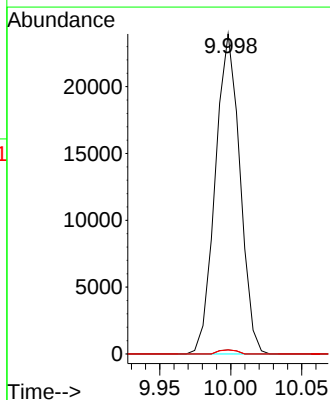
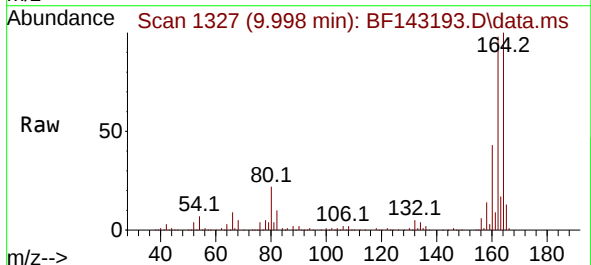
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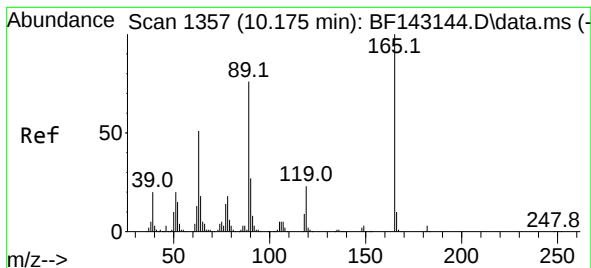
Tgt Ion:172 Resp: 1251076
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.2 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.601 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.223 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

Tgt Ion:165 Resp: 28845
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.2#
89 1.3 46.2 69.2#

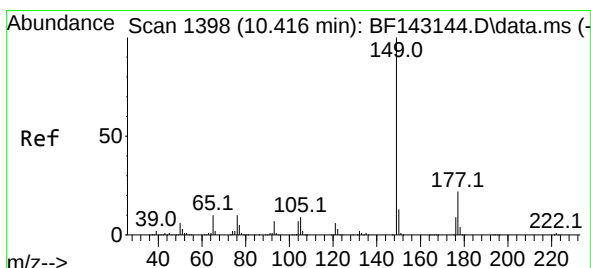
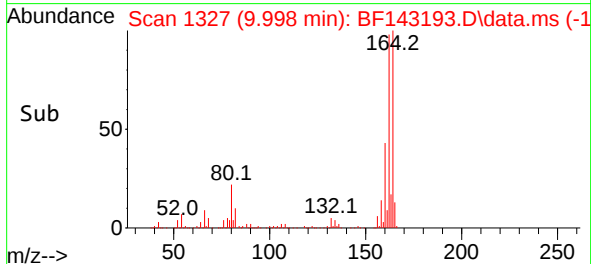
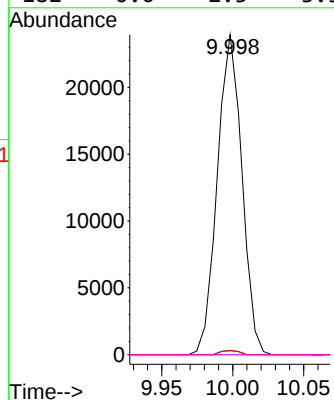
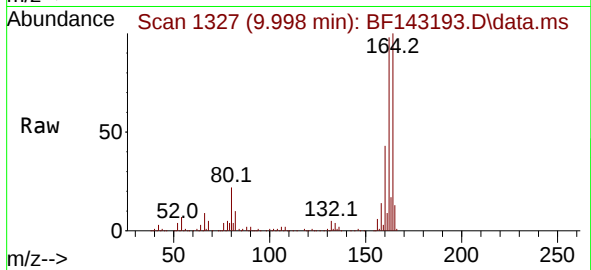




#57
2,4-Dinitrotoluene
Concen: 7.653 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

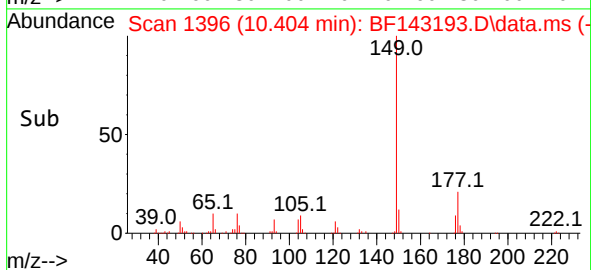
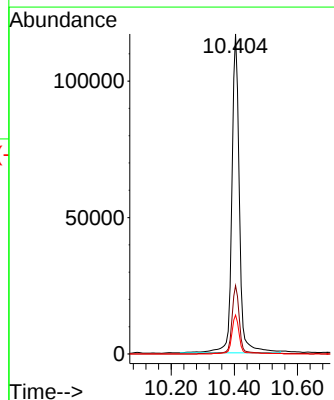
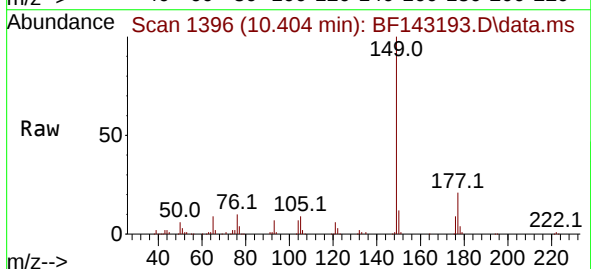
Instrument :
BNA_F
ClientSampleId :
WC-2

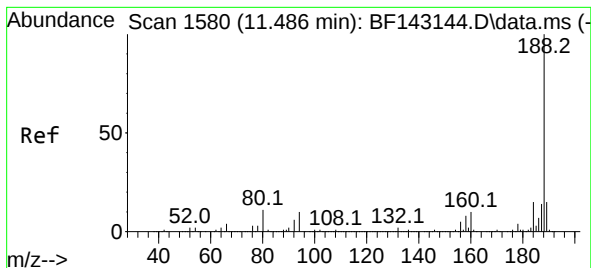
Tgt Ion:165 Resp: 28845
Ion Ratio Lower Upper
165 100
63 1.3 41.0 61.4#
89 1.3 61.1 91.7#
182 0.0 2.3 3.5#



#60
Diethylphthalate
Concen: 13.307 ng
RT: 10.404 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

Tgt Ion:149 Resp: 194246
Ion Ratio Lower Upper
149 100
177 21.4 17.5 26.3
150 12.1 10.2 15.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143193.D

Acq: 22 Jul 2025 17:25

Instrument :

BNA_F

ClientSampleId :

WC-2

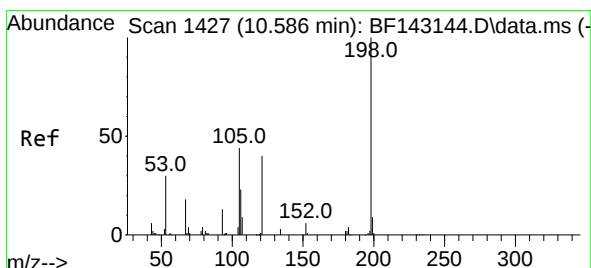
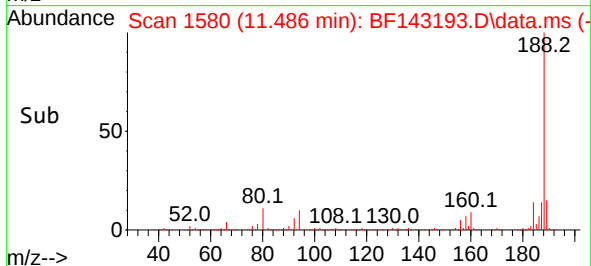
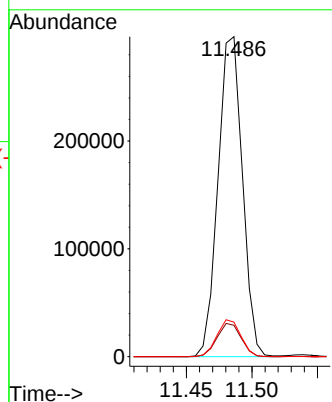
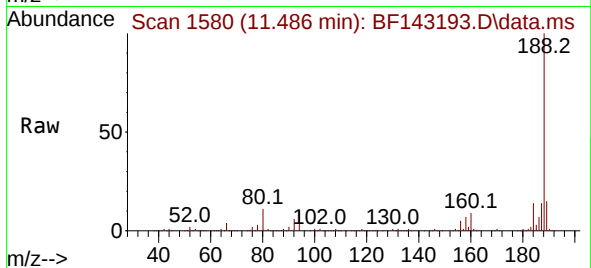
Tgt Ion:188 Resp: 383762

Ion Ratio Lower Upper

188 100

94 9.8 8.3 12.5

80 10.8 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.642 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143193.D

Acq: 22 Jul 2025 17:25

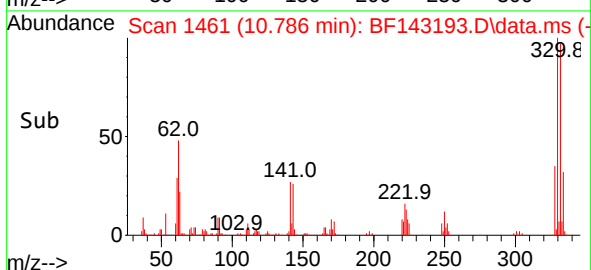
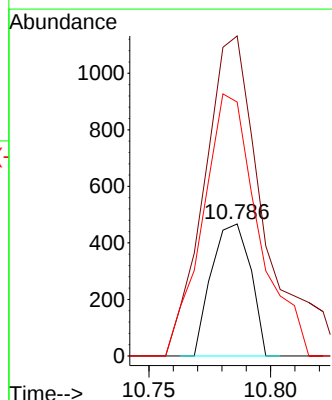
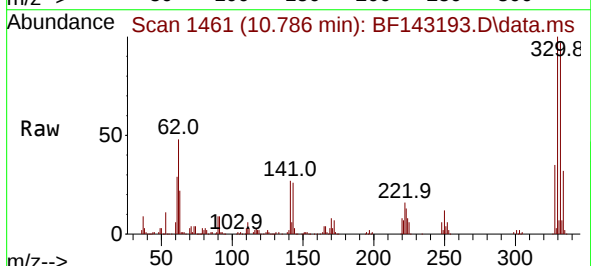
Tgt Ion:198 Resp: 521

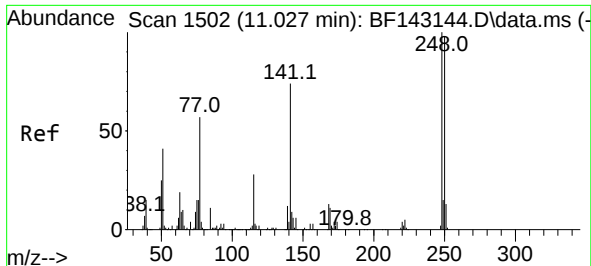
Ion Ratio Lower Upper

198 100

51 242.4 37.2 77.2#

105 192.3 24.8 64.8#

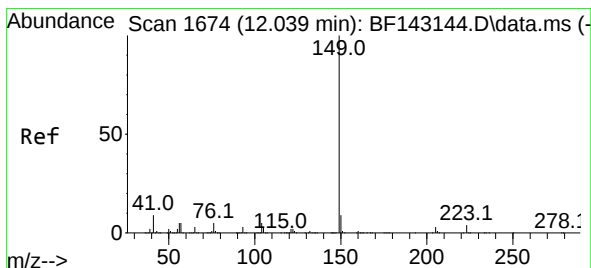
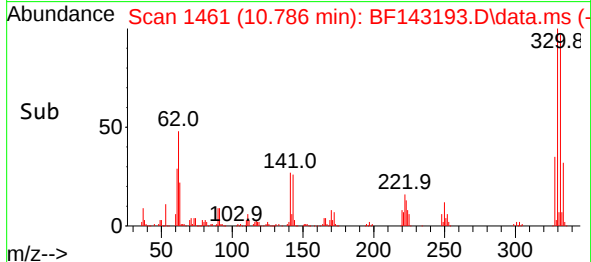
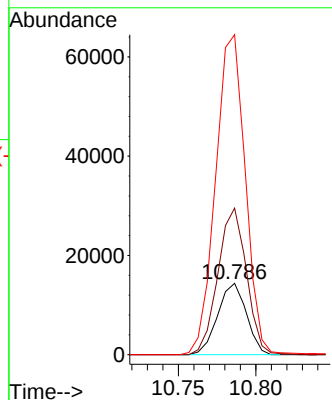
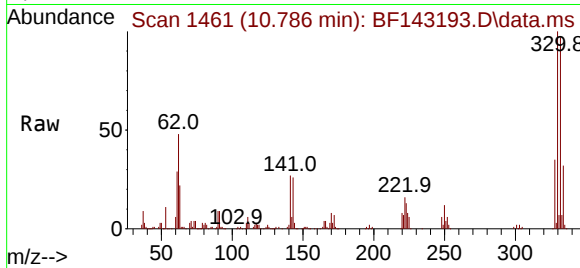




#67
4-Bromophenyl-phenylether
Concen: 4.051 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

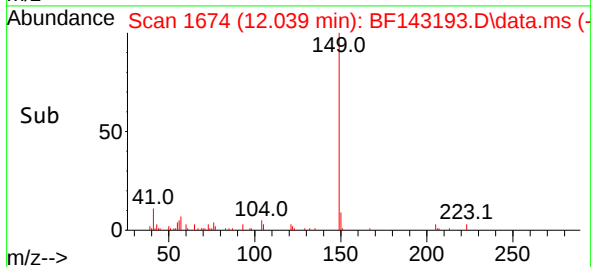
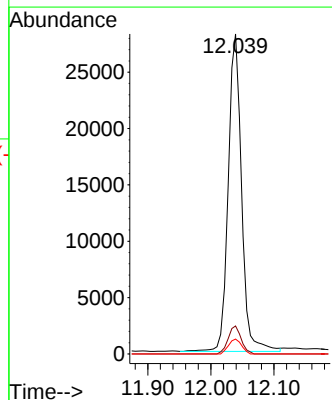
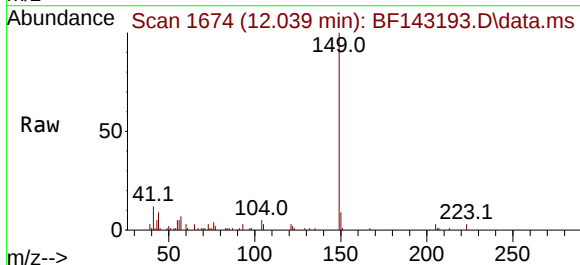
Instrument :
BNA_F
ClientSampleId :
WC-2

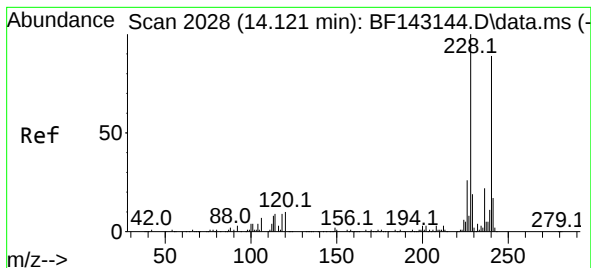
Tgt Ion:248 Resp: 18525
Ion Ratio Lower Upper
248 100
250 205.3 78.3 117.5#
141 448.5 59.2 88.8#



#74
Di-n-butylphthalate
Concen: 2.008 ng
RT: 12.039 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

Tgt Ion:149 Resp: 41221
Ion Ratio Lower Upper
149 100
150 8.7 7.4 11.2
104 4.6 3.8 5.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF143193.D

Acq: 22 Jul 2025 17:25

Instrument :

BNA_F

ClientSampleId :

WC-2

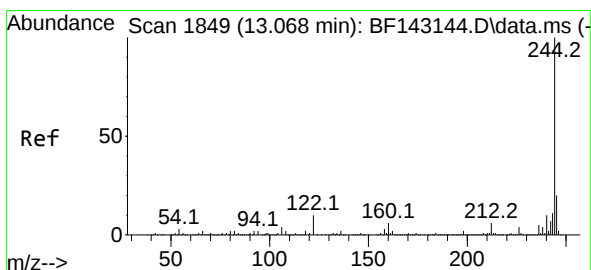
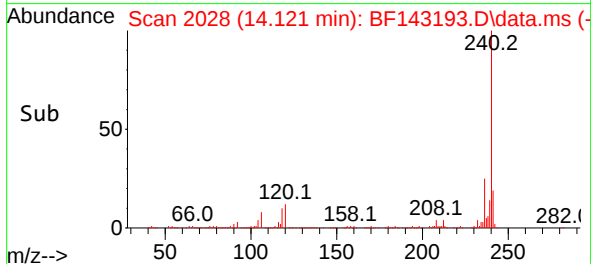
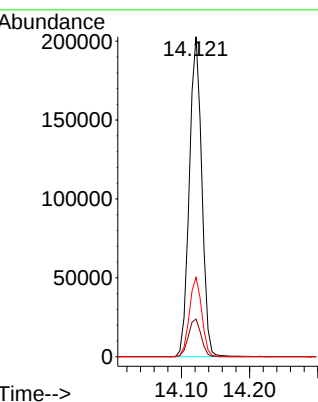
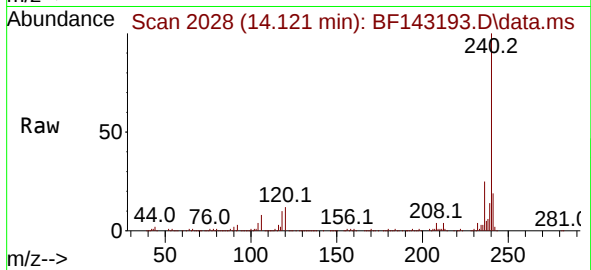
Tgt Ion:240 Resp: 256996

Ion Ratio Lower Upper

240 100

120 11.8 9.4 14.2

236 24.8 20.2 30.4



#79

Terphenyl-d14

Concen: 72.070 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143193.D

Acq: 22 Jul 2025 17:25

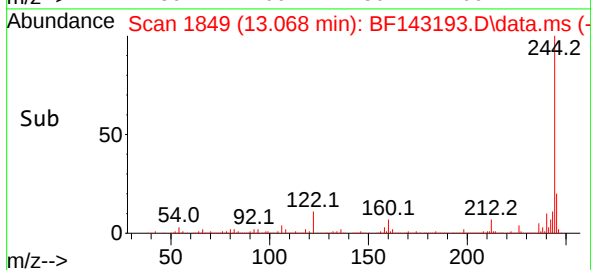
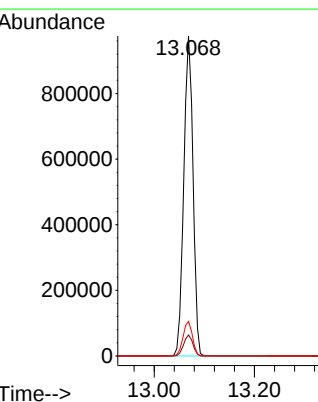
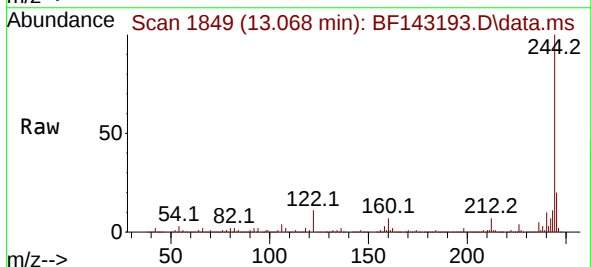
Tgt Ion:244 Resp: 1244639

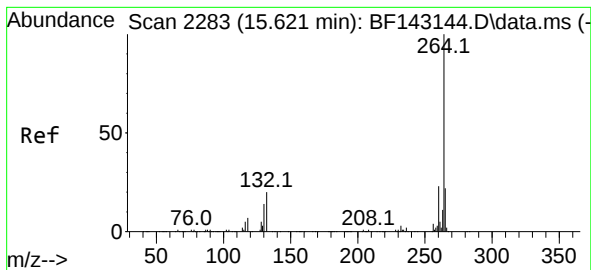
Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.8 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143193.D
Acq: 22 Jul 2025 17:25

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:264 Resp: 268282
Ion Ratio Lower Upper
264 100
260 22.7 18.5 27.7
265 21.3 17.4 26.2

