

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143192.D
 Acq On : 22 Jul 2025 16:55
 Operator : RC/JU
 Sample : Q2649-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jul 22 17:26:18 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)

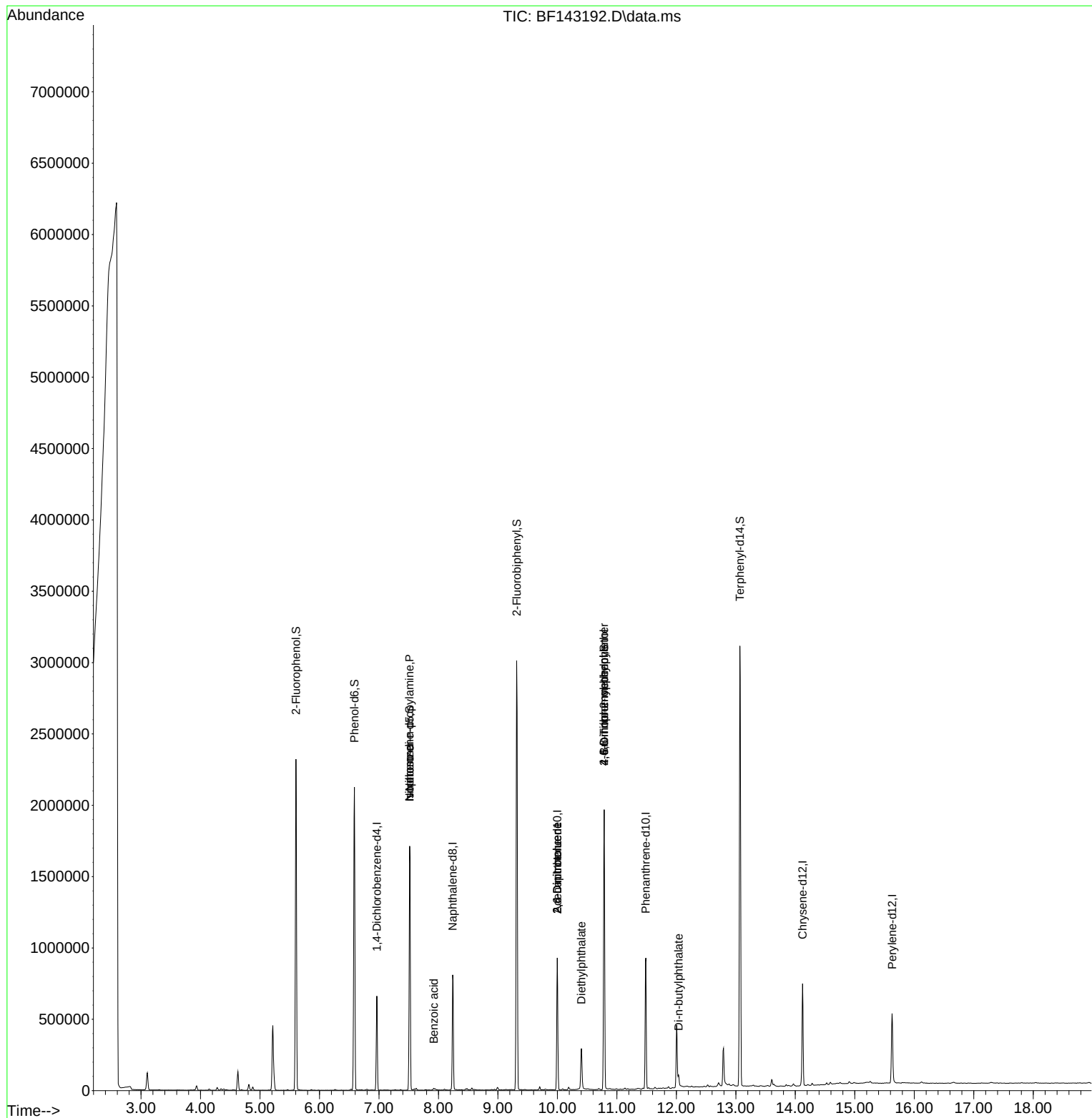
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	131509	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	493971	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	265837	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	469256	20.000	ng	0.00
76) Chrysene-d12	14.121	240	331594	20.000	ng	0.00
86) Perylene-d12	15.627	264	283738	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	848574	102.110	ng	0.02
7) Phenol-d6	6.587	99	1006732	96.244	ng	0.00
23) Nitrobenzene-d5	7.516	82	748870	75.569	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	351951	128.157	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1355400	69.730	ng	0.00
79) Terphenyl-d14	13.068	244	1546336	69.396	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	102983	15.346	ng	# 79
25) Isophorone	7.516	82	746786	42.688	ng	# 66
32) Benzoic acid	7.922	122	3837	5.922	ng	95
51) 2,6-Dinitrotoluene	9.998	165	35063	9.947	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	35063	7.928	ng	# 21
60) Diethylphthalate	10.404	149	199361	11.640	ng	99
65) 4,6-Dinitro-2-methylph...	10.786	198	661	5.651	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	22132	3.958	ng	# 1
74) Di-n-butylphthalate	12.039	149	53074	2.114	ng	100

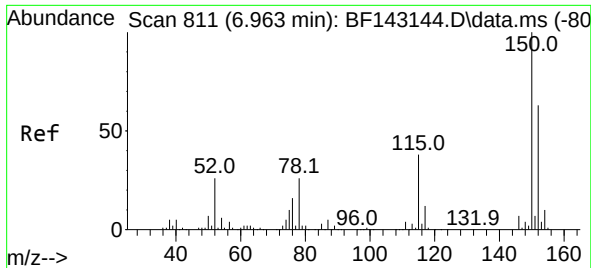
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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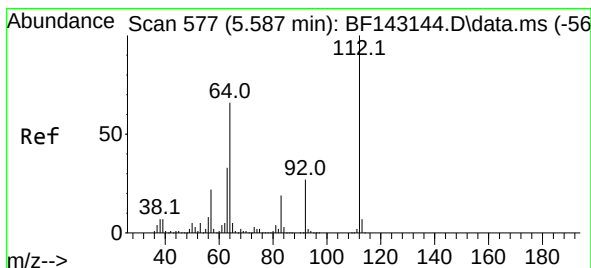
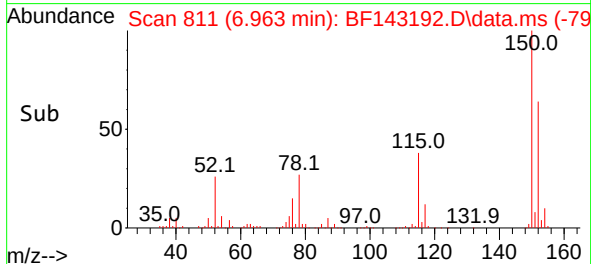
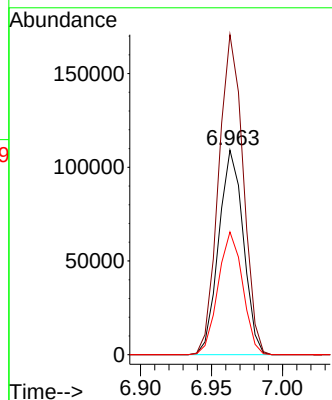
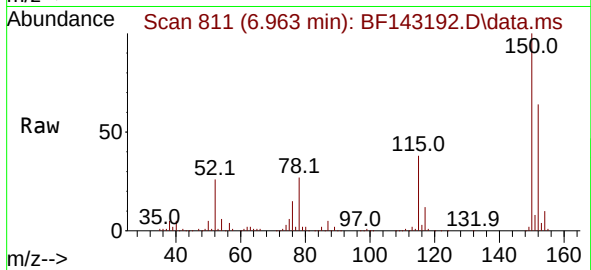




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

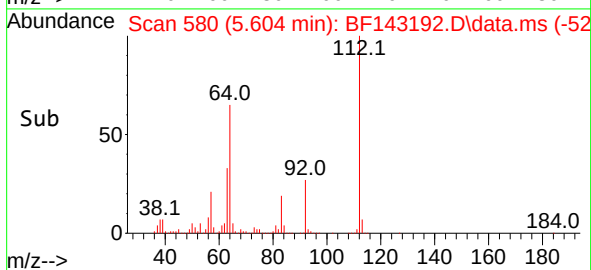
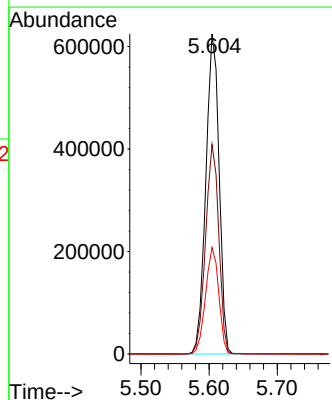
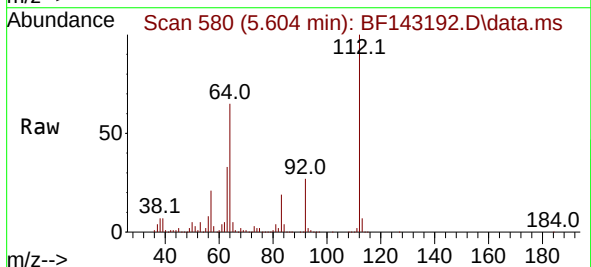
Instrument :
BNA_F
ClientSampleId :
WC-1

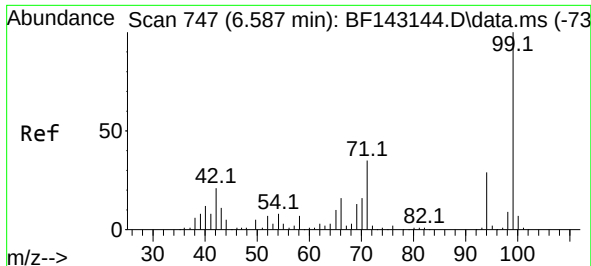
Tgt Ion:152 Resp: 131509
Ion Ratio Lower Upper
152 100
150 156.5 128.2 192.4
115 60.0 47.9 71.9



#5
2-Fluorophenol
Concen: 102.110 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

Tgt Ion:112 Resp: 848574
Ion Ratio Lower Upper
112 100
64 65.5 53.1 79.7
63 33.3 26.6 40.0

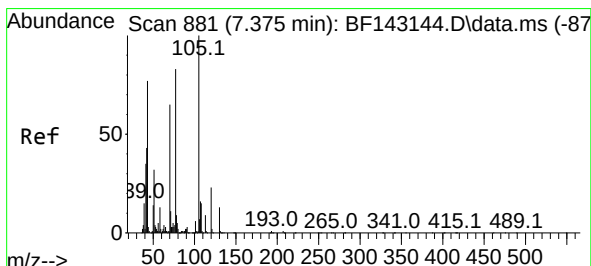
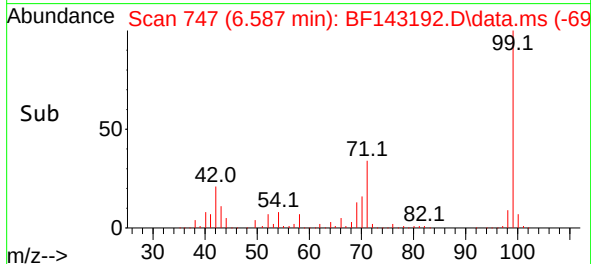
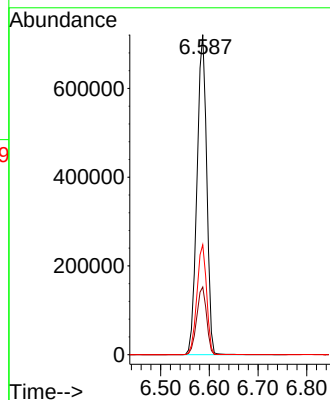
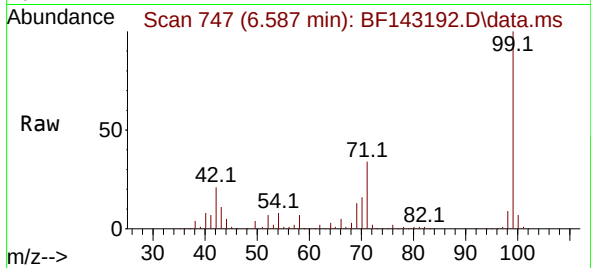




#7
Phenol-d6
Concen: 96.244 ng
RT: 6.587 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

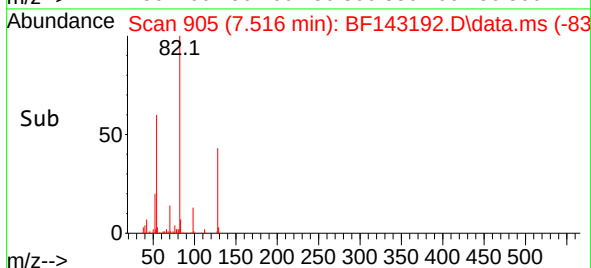
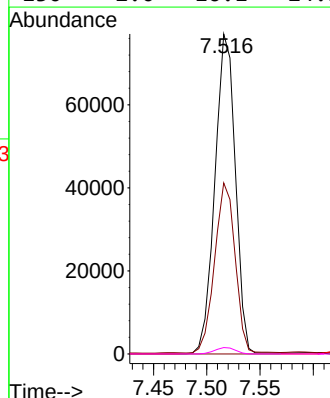
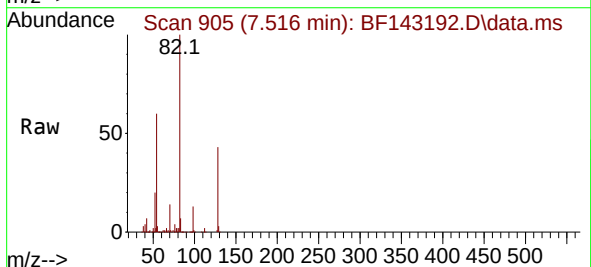
Instrument :
BNA_F
ClientSampleId :
WC-1

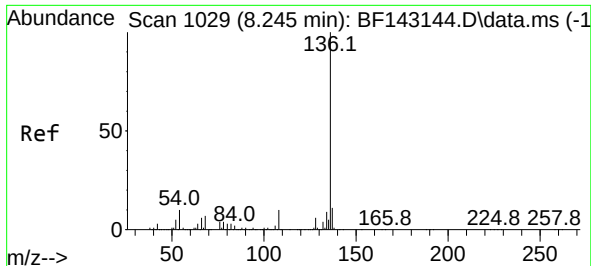
Tgt Ion: 99 Resp: 1006732
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.3 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.346 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

Tgt Ion: 70 Resp: 102983
Ion Ratio Lower Upper
70 100
42 53.4 52.5 78.7
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#



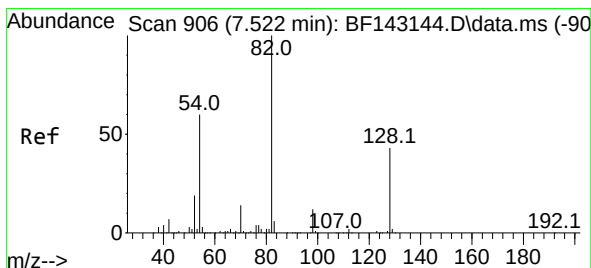
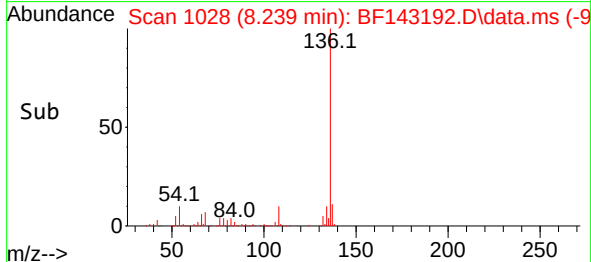
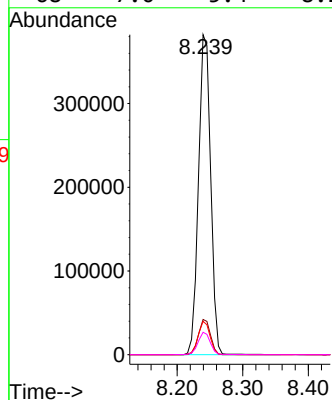
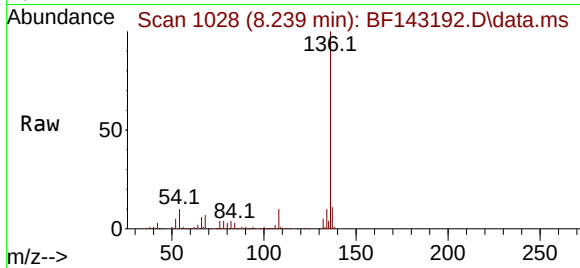


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 493971

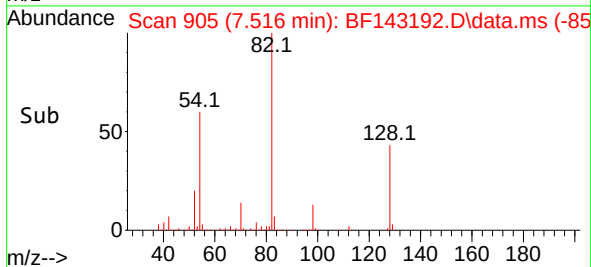
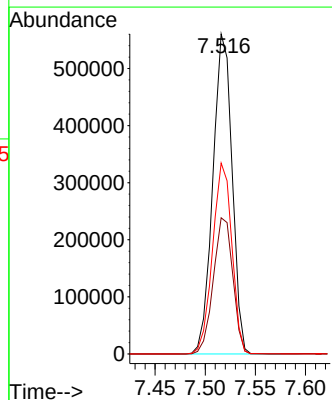
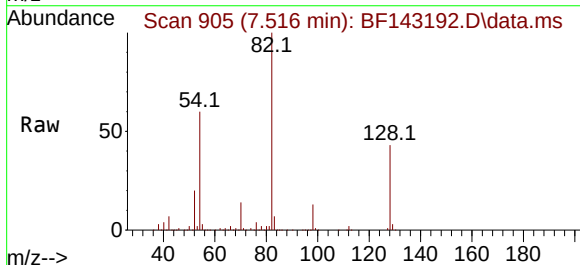
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.4	8.2	12.2
68	7.0	5.4	8.2

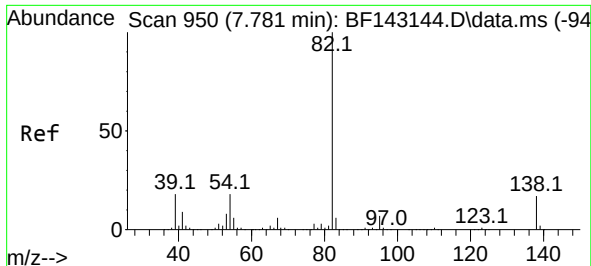


#23
Nitrobenzene-d5
Concen: 75.569 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

Tgt Ion: 82 Resp: 748870

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.6	50.4
54	59.7	47.1	70.7

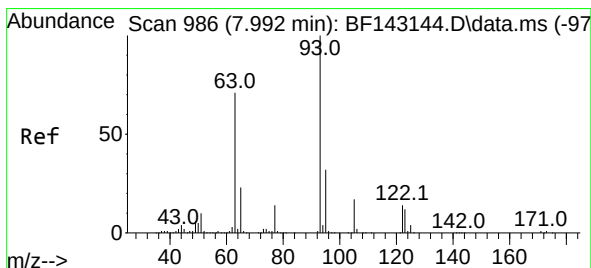
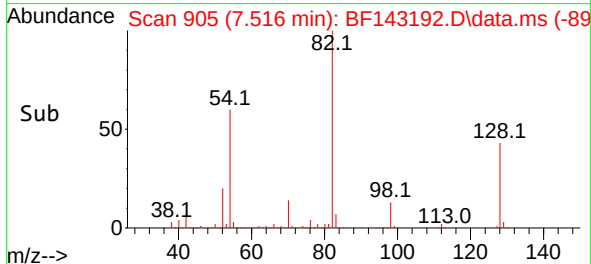
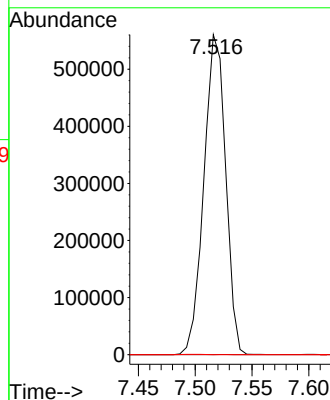
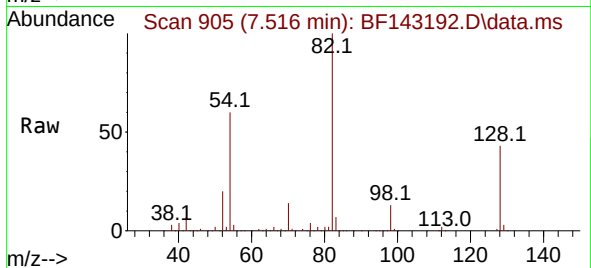




#25
Isophorone
Concen: 42.688 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

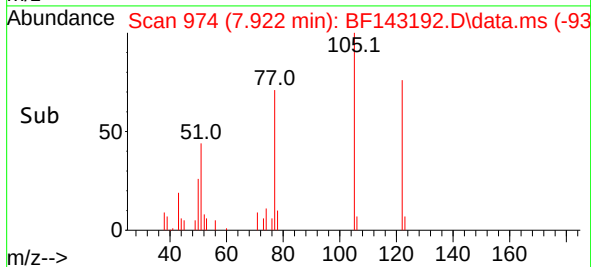
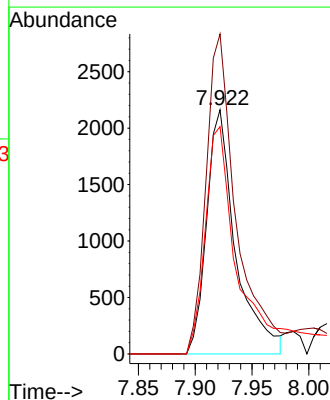
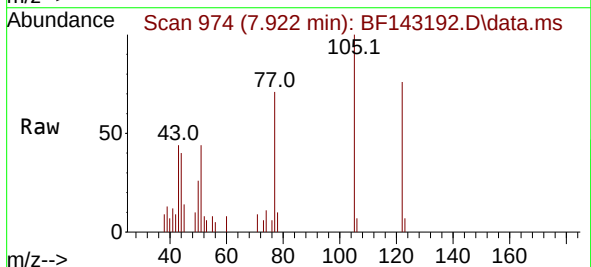
Instrument :
BNA_F
ClientSampleId :
WC-1

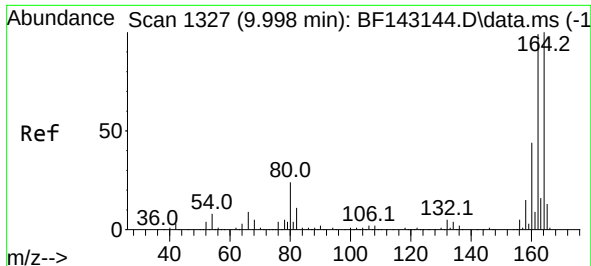
Tgt Ion: 82 Resp: 746786
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.922 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.070 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

Tgt Ion:122 Resp: 3837
Ion Ratio Lower Upper
122 100
105 131.1 104.8 144.8
77 93.2 77.6 117.6

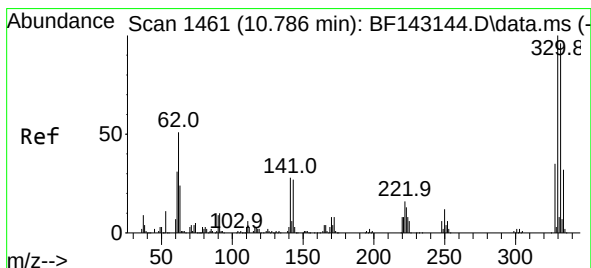
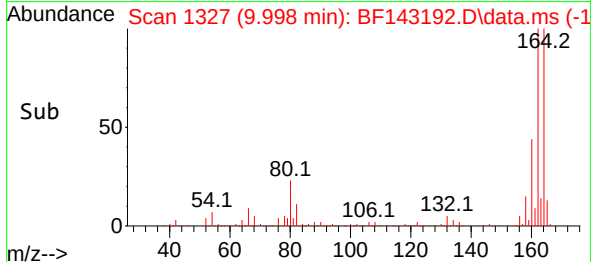
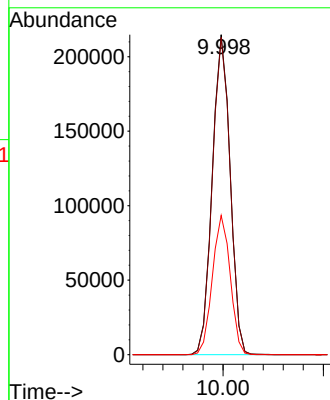
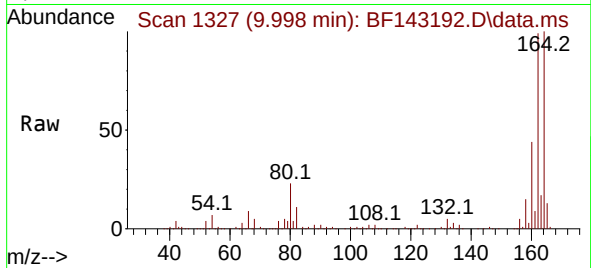




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

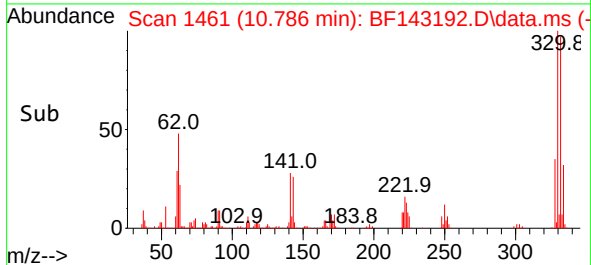
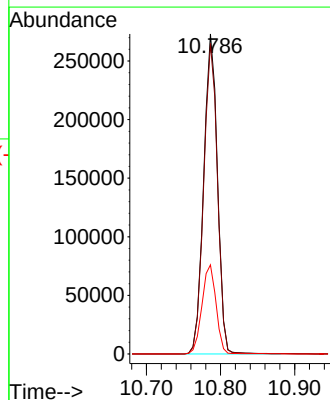
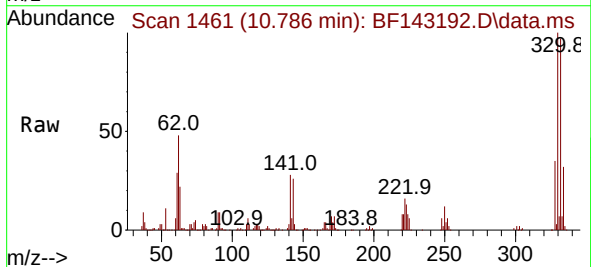
Instrument :
BNA_F
ClientSampleId :
WC-1

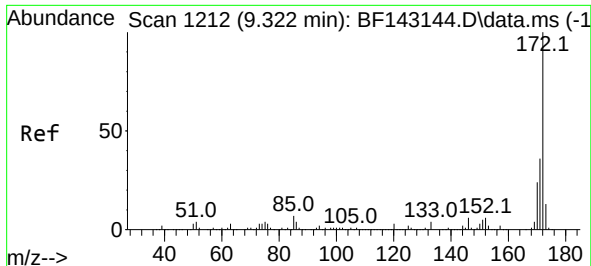
Tgt Ion:164 Resp: 265837
Ion Ratio Lower Upper
164 100
162 99.2 79.0 118.6
160 43.5 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 128.157 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

Tgt Ion:330 Resp: 351951
Ion Ratio Lower Upper
330 100
332 97.1 76.7 115.1
141 28.6 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 69.730 ng

RT: 9.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143192.D

Acq: 22 Jul 2025 16:55

Instrument :

BNA_F

ClientSampleId :

WC-1

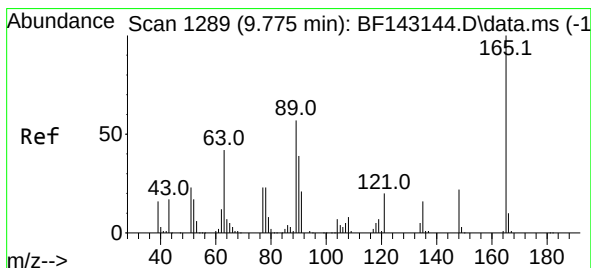
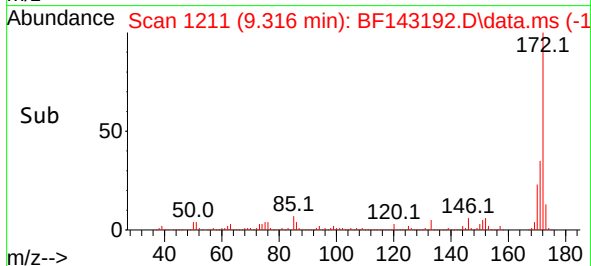
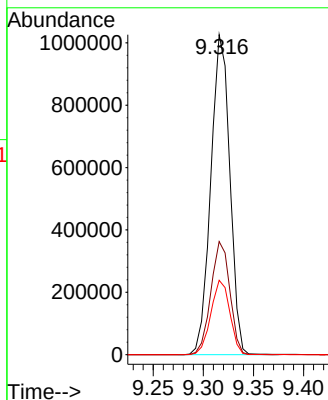
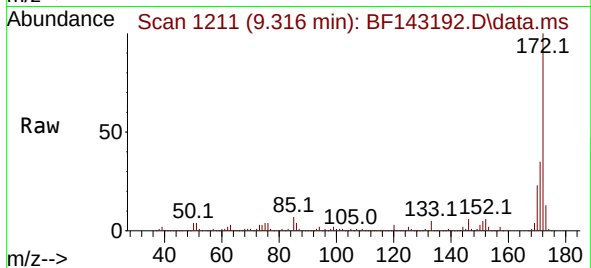
Tgt Ion:172 Resp: 1355400

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.3 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.947 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.224 min

Lab File: BF143192.D

Acq: 22 Jul 2025 16:55

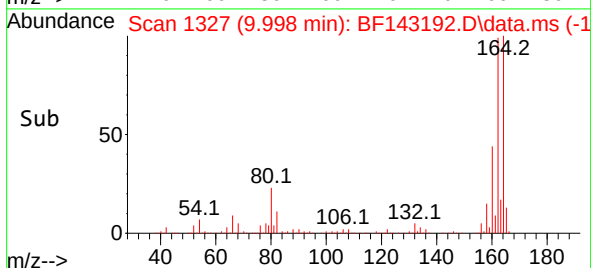
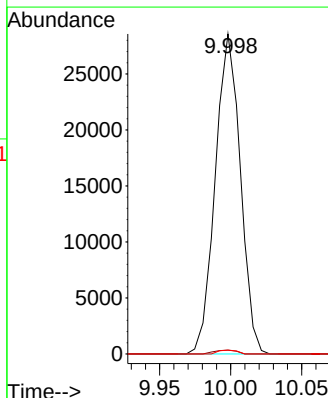
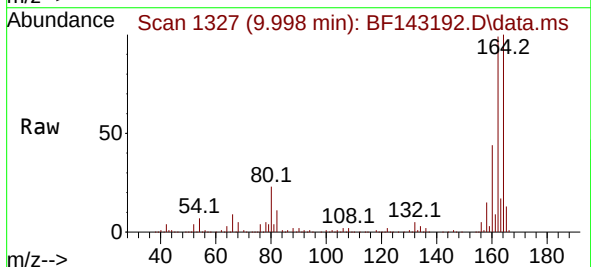
Tgt Ion:165 Resp: 35063

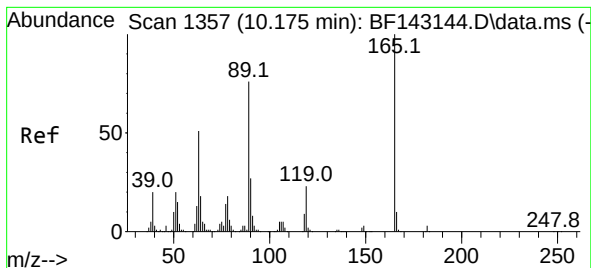
Ion Ratio Lower Upper

165 100

63 1.2 49.4 74.2#

89 1.2 46.2 69.2#

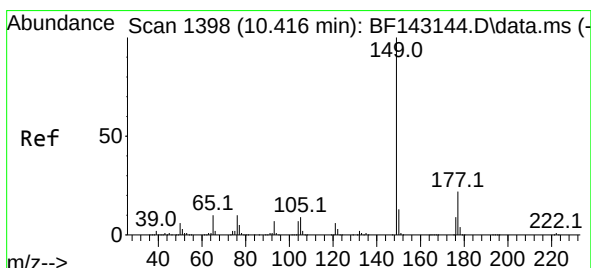
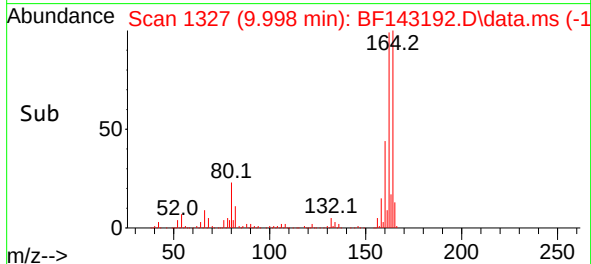
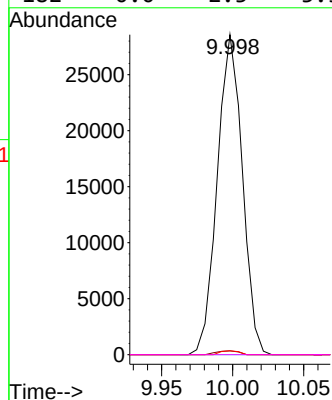
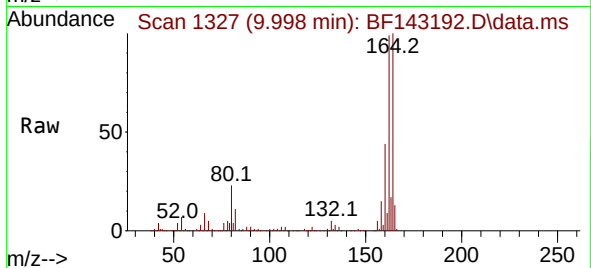




#57
2,4-Dinitrotoluene
Concen: 7.928 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

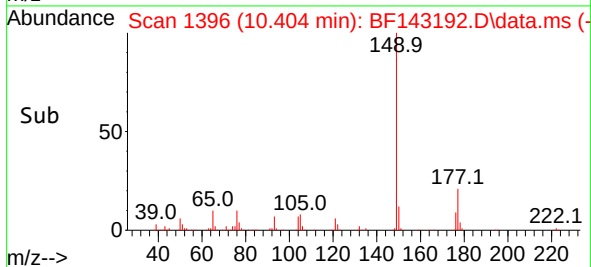
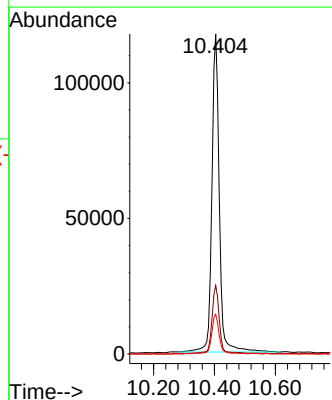
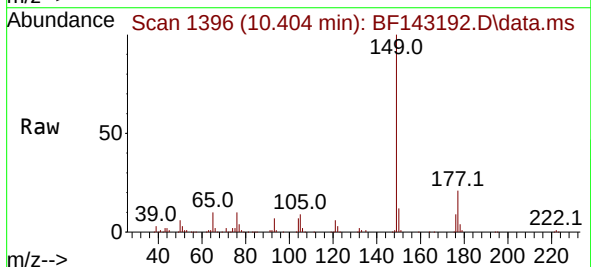
Instrument :
BNA_F
ClientSampleId :
WC-1

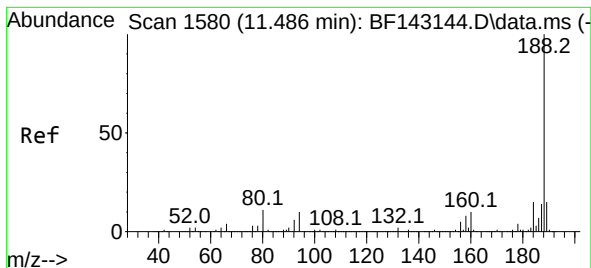
Tgt Ion:165 Resp: 35063
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.4#
89 1.2 61.1 91.7#
182 0.0 2.3 3.5#



#60
Diethylphthalate
Concen: 11.640 ng
RT: 10.404 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

Tgt Ion:149 Resp: 199361
Ion Ratio Lower Upper
149 100
177 21.4 17.5 26.3
150 12.4 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: BF143192.D

Acq: 22 Jul 2025 16:55

Instrument :

BNA_F

ClientSampleId :

WC-1

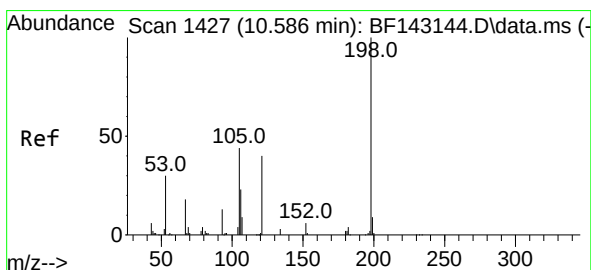
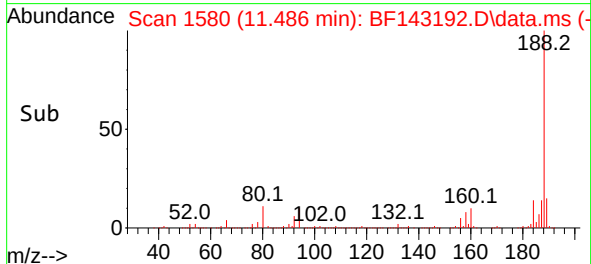
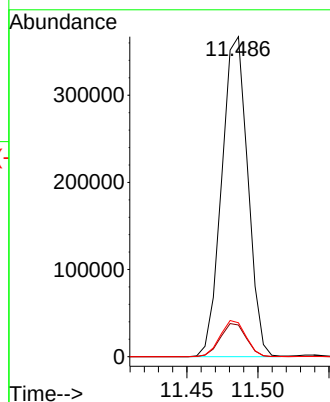
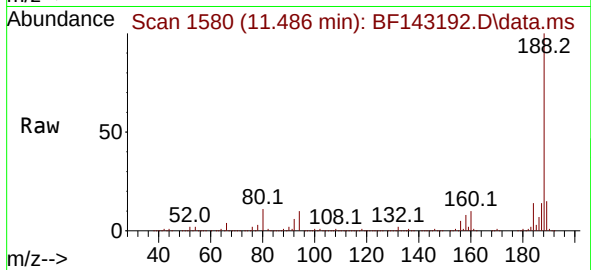
Tgt Ion:188 Resp: 469256

Ion Ratio Lower Upper

188 100

94 9.9 8.3 12.5

80 10.6 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.651 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143192.D

Acq: 22 Jul 2025 16:55

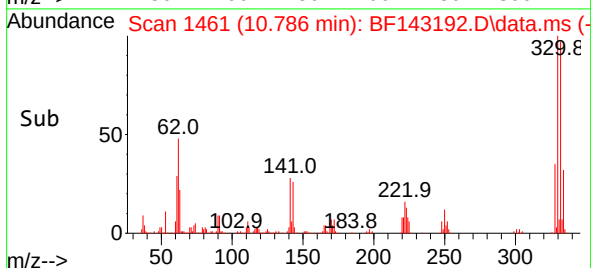
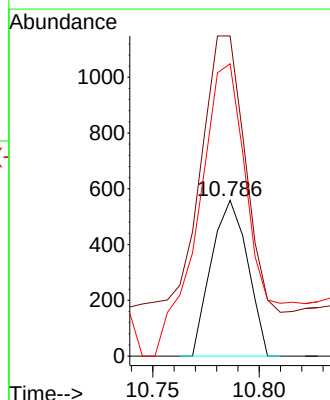
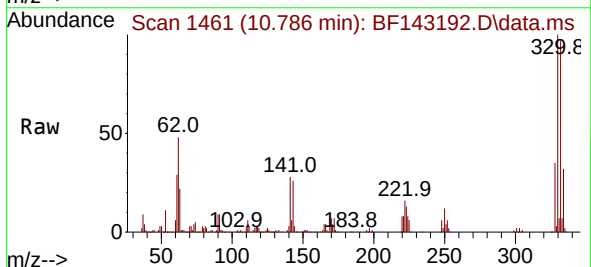
Tgt Ion:198 Resp: 661

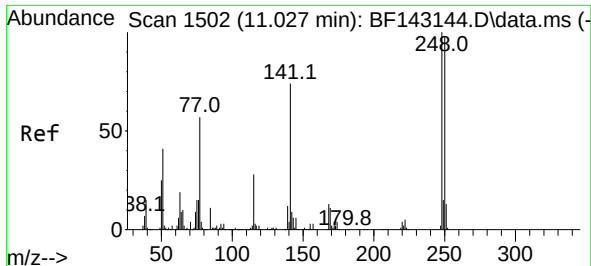
Ion Ratio Lower Upper

198 100

51 205.7 37.2 77.2#

105 187.8 24.8 64.8#

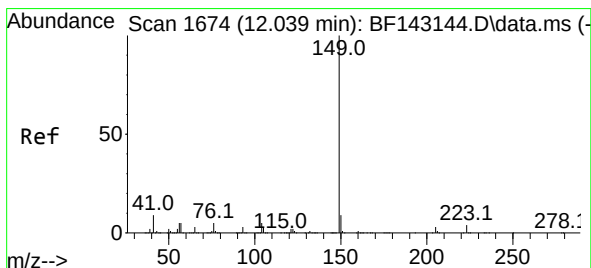
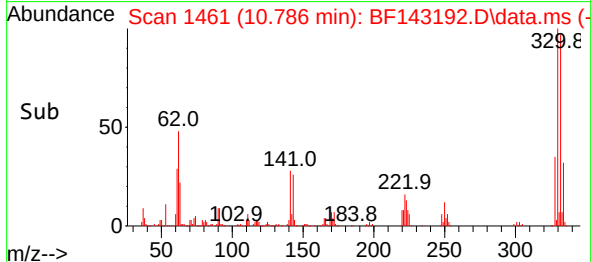
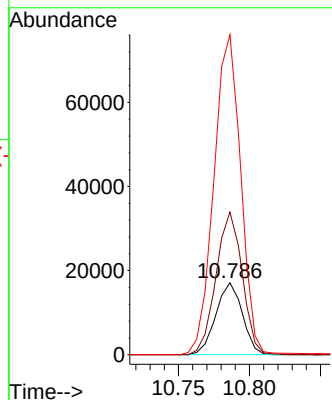
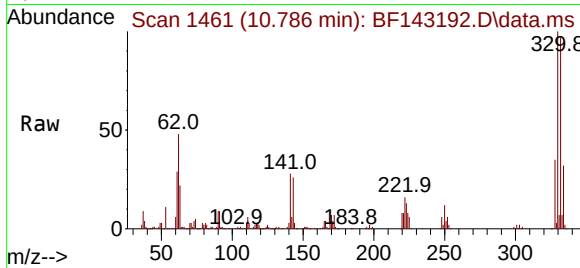




#67
4-Bromophenyl-phenylether
Concen: 3.958 ng
RT: 10.786 min Scan# 141
Delta R.T. -0.241 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

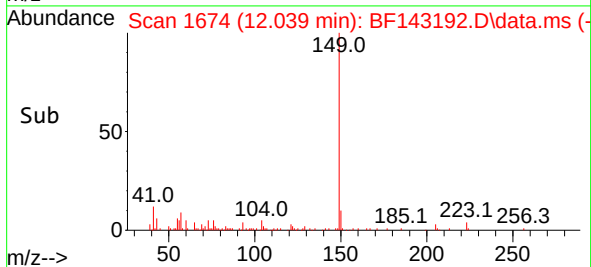
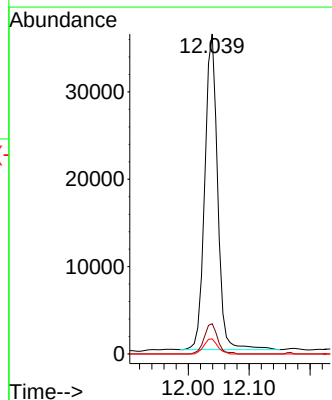
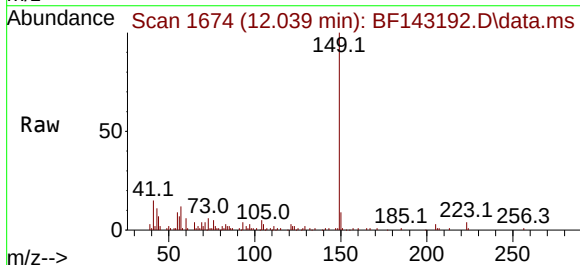
Instrument :
BNA_F
ClientSampleId :
WC-1

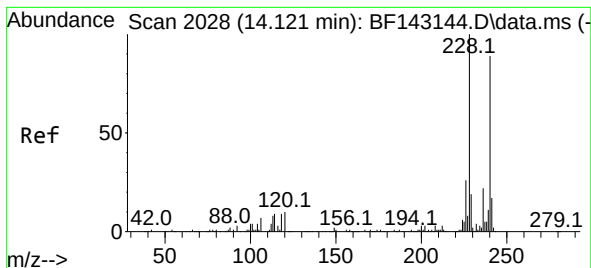
Tgt Ion:248 Resp: 22132
Ion Ratio Lower Upper
248 100
250 198.5 78.3 117.5#
141 445.6 59.2 88.8#



#74
Di-n-butylphthalate
Concen: 2.114 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

Tgt Ion:149 Resp: 53074
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.2
104 4.7 3.8 5.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143192.D

Acq: 22 Jul 2025 16:55

Instrument :

BNA_F

ClientSampleId :

WC-1

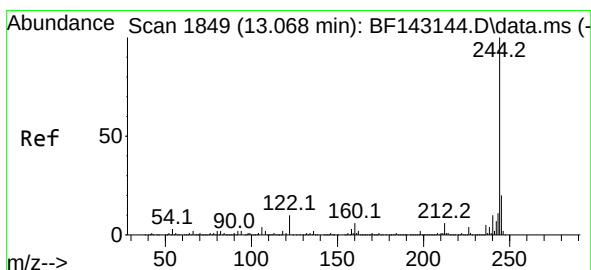
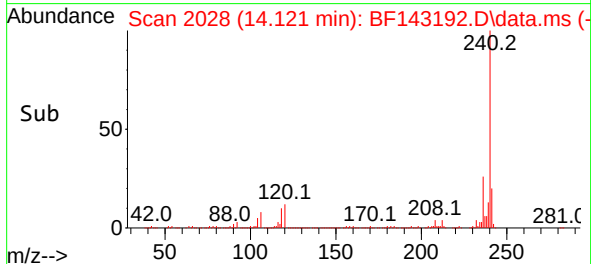
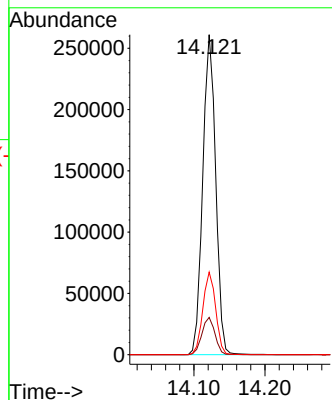
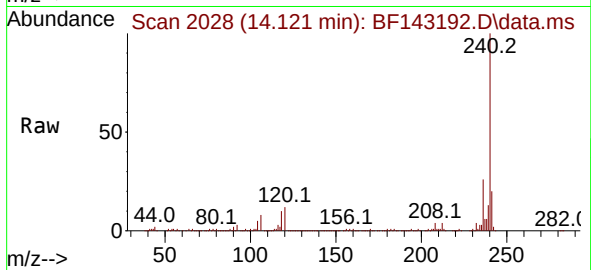
Tgt Ion:240 Resp: 331594

Ion Ratio Lower Upper

240 100

120 11.6 9.4 14.2

236 25.8 20.2 30.4



#79

Terphenyl-d14

Concen: 69.396 ng

RT: 13.068 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143192.D

Acq: 22 Jul 2025 16:55

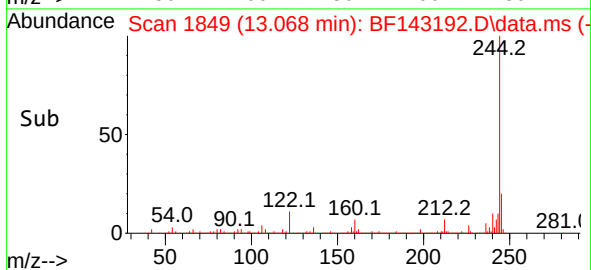
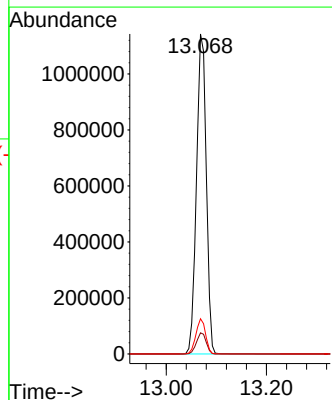
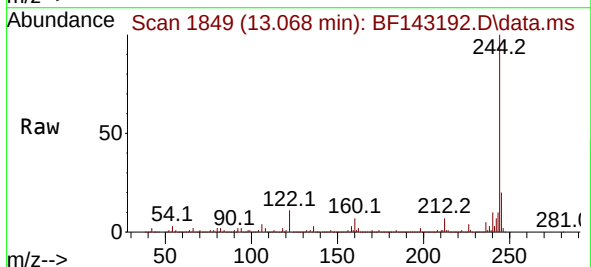
Tgt Ion:244 Resp: 1546336

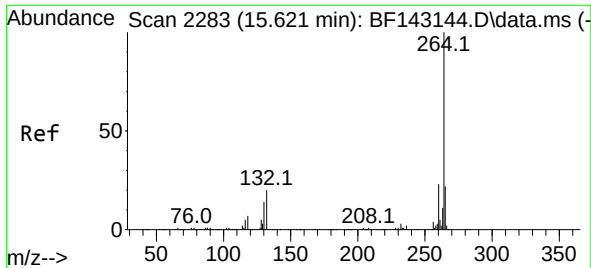
Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

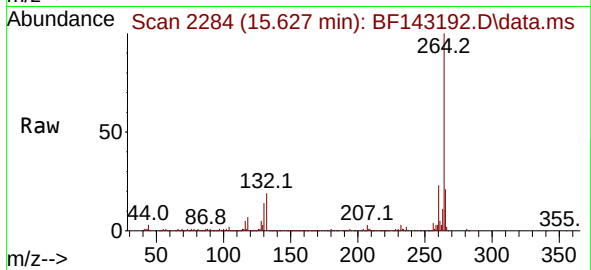
122 11.0 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143192.D
Acq: 22 Jul 2025 16:55

Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:264 Resp: 283738
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.3 17.4 26.2

