

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143201.D
 Acq On : 22 Jul 2025 21:18
 Operator : RC/JU
 Sample : Q2649-21
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-6

Quant Time: Jul 23 04:53:52 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)

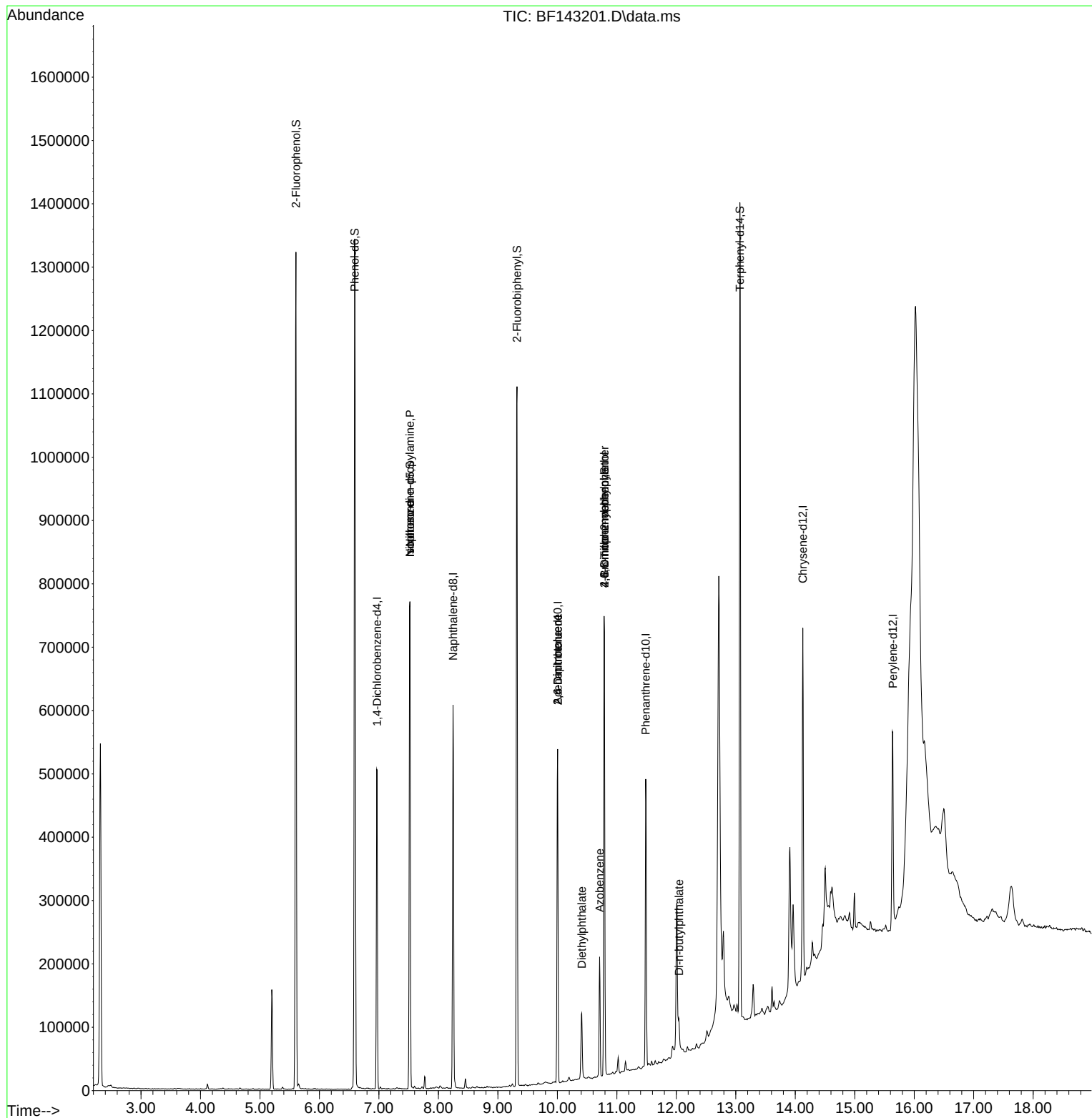
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	107235	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	362389	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	152041	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	230194	20.000	ng	0.00
76) Chrysene-d12	14.127	240	261475	20.000	ng	0.00
86) Perylene-d12	15.639	264	188557	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	464041	68.478	ng	0.02
7) Phenol-d6	6.592	99	611120	71.648	ng	0.00
23) Nitrobenzene-d5	7.522	82	328770	45.223	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	122121	77.751	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	487886	43.886	ng	0.00
79) Terphenyl-d14	13.068	244	614703	34.984	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	44095	8.058	ng	# 77
25) Isophorone	7.522	82	327295	25.502	ng	# 66
51) 2,6-Dinitrotoluene	10.004	165	19328	9.587	ng	# 23
57) 2,4-Dinitrotoluene	10.004	165	19328	7.641	ng	# 21
60) Diethylphthalate	10.410	149	70173	7.164	ng	# 98
63) Azobenzene	10.710	77	44884	4.396	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.792	198	140	5.515	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	8009	2.919	ng	# 1
74) Di-n-butylphthalate	12.045	149	26388	2.143	ng	# 99

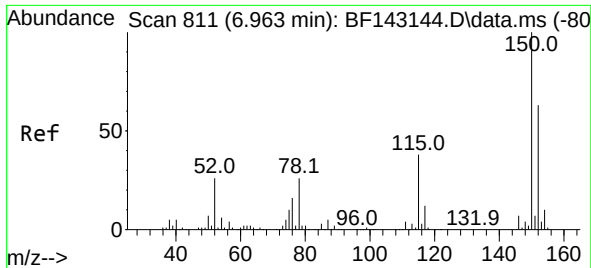
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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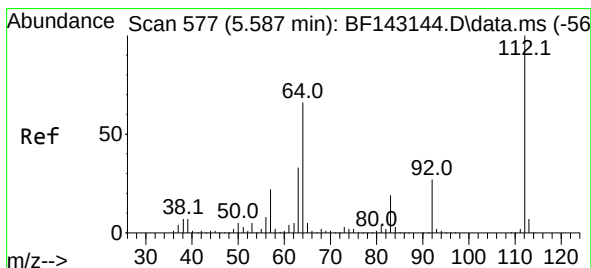
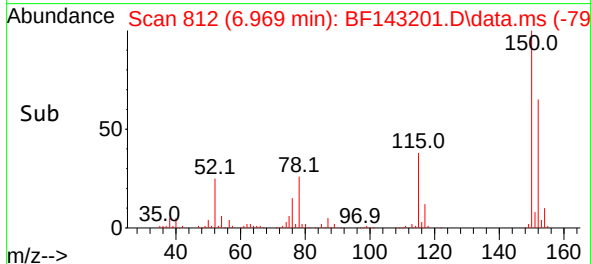
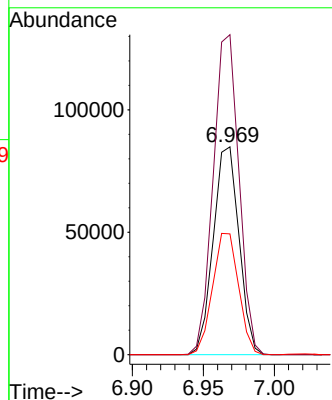
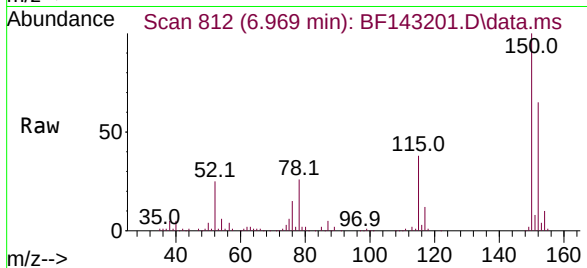




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

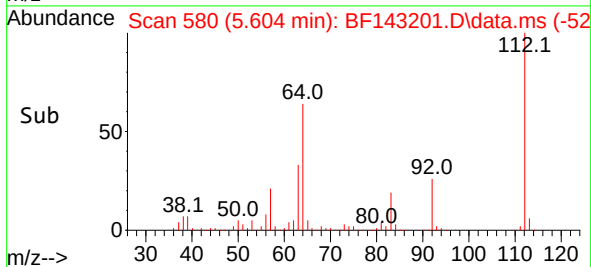
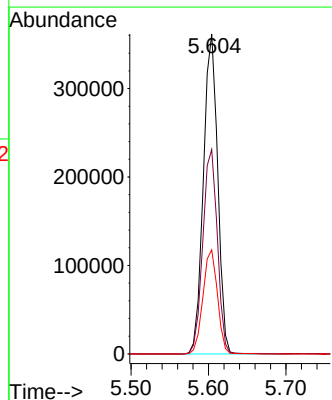
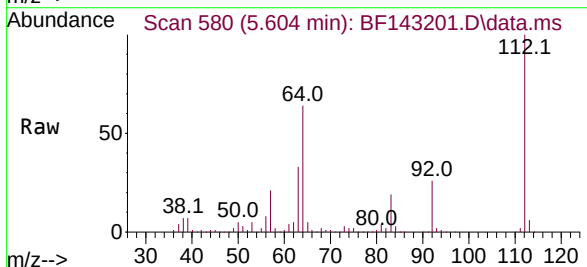
Instrument :
BNA_F
ClientSampleId :
WC-6

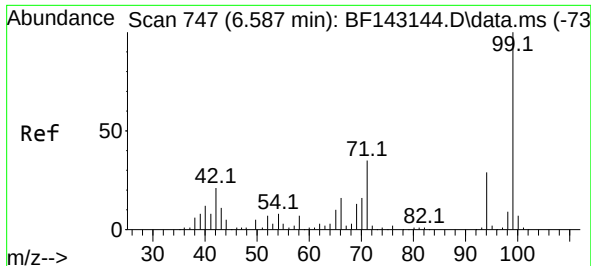
Tgt Ion:152 Resp: 107235
Ion Ratio Lower Upper
152 100
150 154.0 128.2 192.4
115 58.1 47.9 71.9



#5
2-Fluorophenol
Concen: 68.478 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

Tgt Ion:112 Resp: 464041
Ion Ratio Lower Upper
112 100
64 63.9 53.1 79.7
63 32.5 26.6 40.0

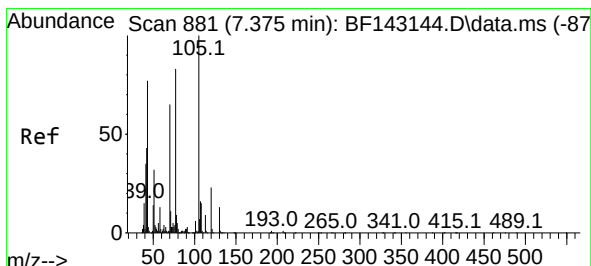
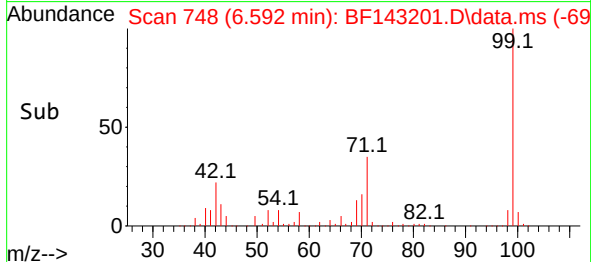
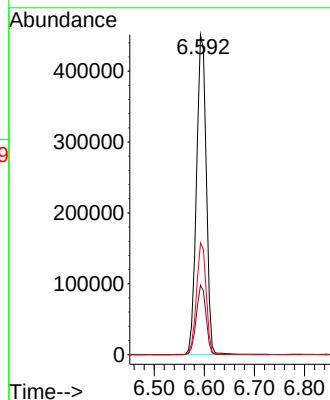
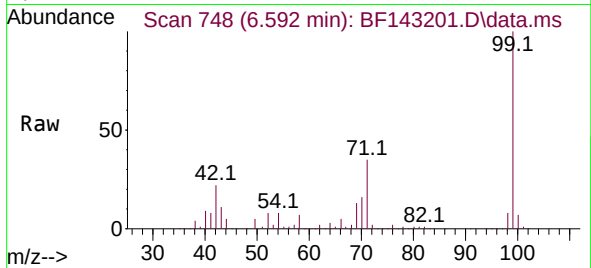




#7
Phenol-d6
Concen: 71.648 ng
RT: 6.592 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

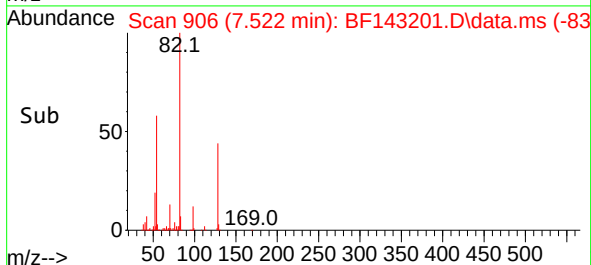
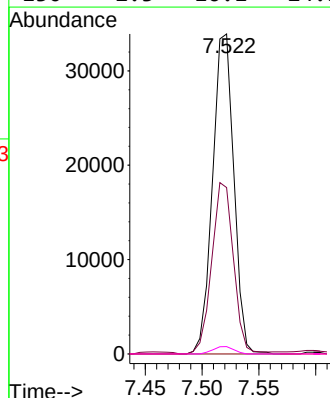
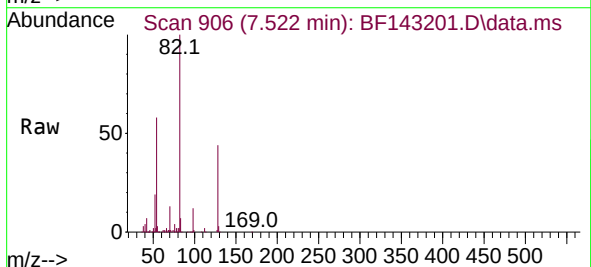
Instrument :
BNA_F
ClientSampleId :
WC-6

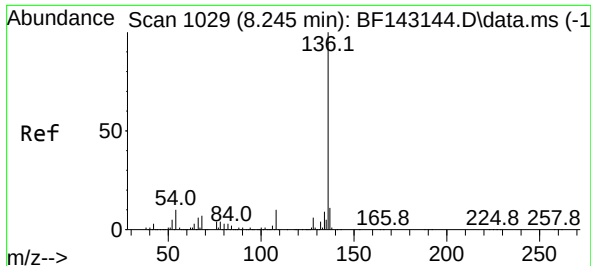
Tgt Ion: 99 Resp: 611120
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 34.9 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 8.058 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

Tgt Ion: 70 Resp: 44095
Ion Ratio Lower Upper
70 100
42 52.0 52.5 78.7#
101 0.0 7.6 11.4#
130 2.3 16.1 24.1#

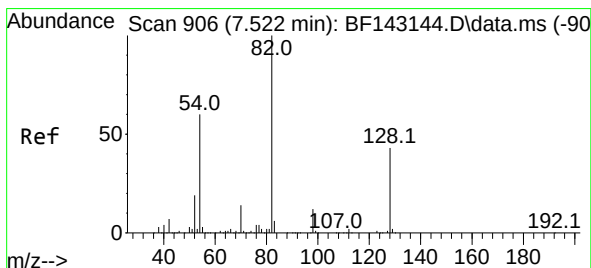
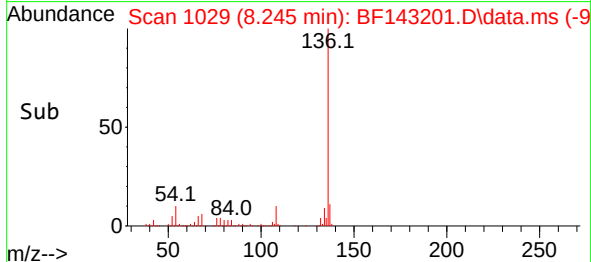
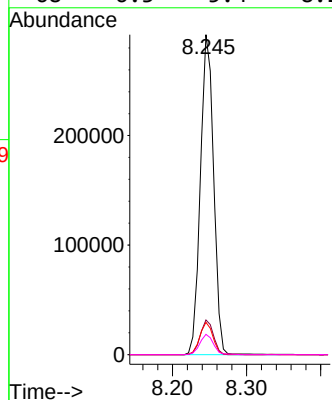
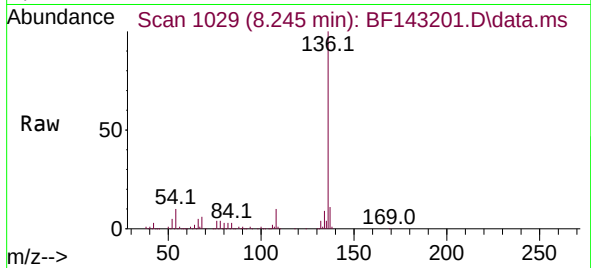




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

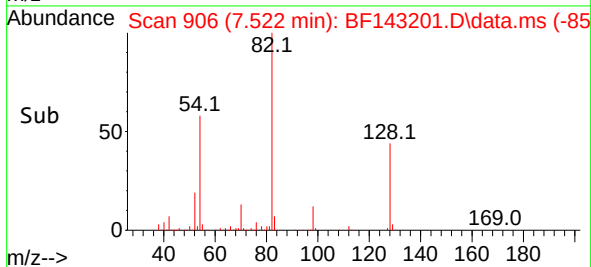
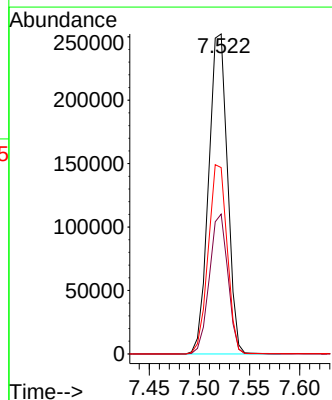
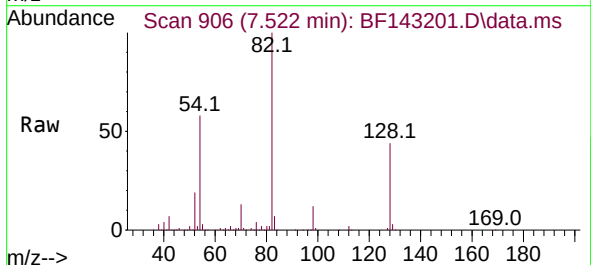
Instrument :
BNA_F
ClientSampleId :
WC-6

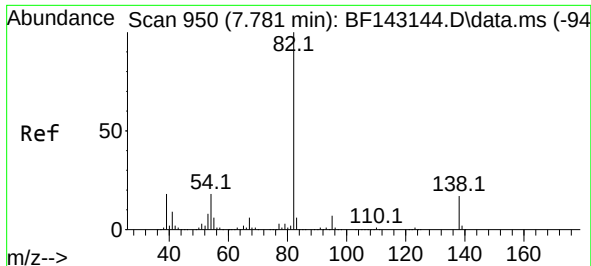
Tgt Ion:	136	Resp:	362389
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.1	8.2	12.2
68	6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 45.223 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.000 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

Tgt Ion:	82	Resp:	328770
Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.6	50.4
54	58.2	47.1	70.7

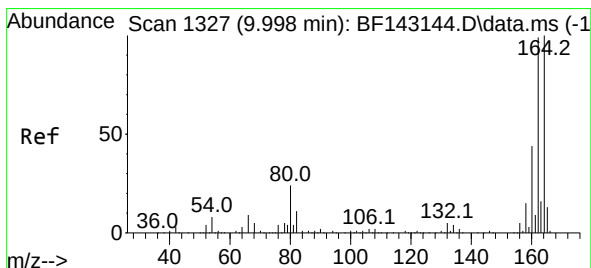
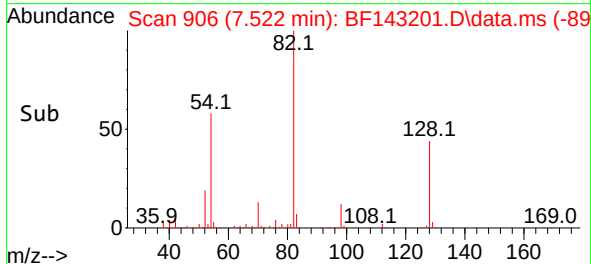
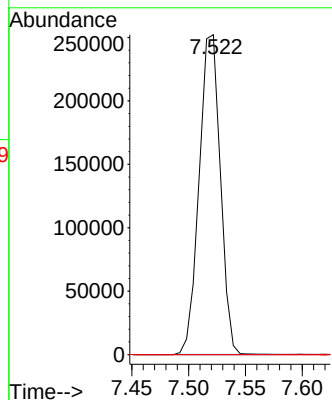
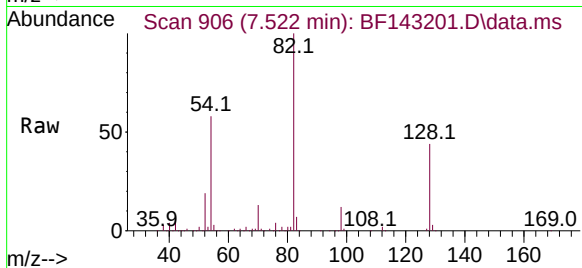




#25
Isophorone
Concen: 25.502 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

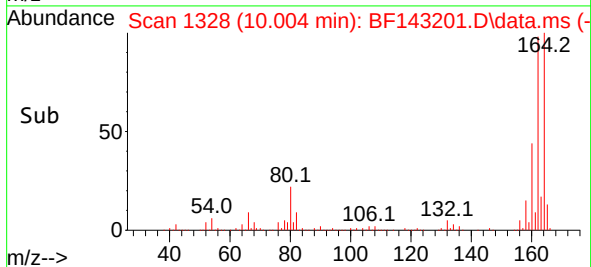
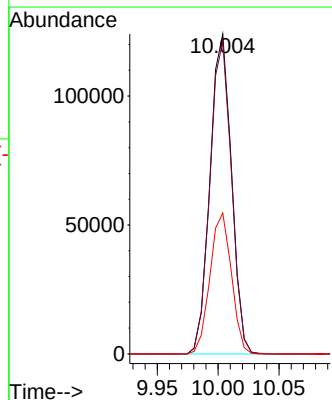
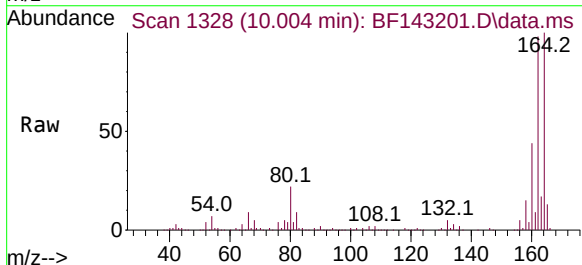
Instrument :
BNA_F
ClientSampleId :
WC-6

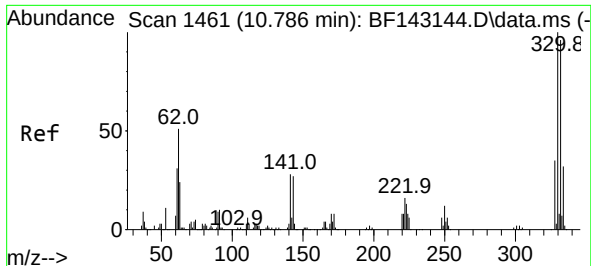
Tgt Ion: 82 Resp: 327295
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

Tgt Ion: 164 Resp: 152041
Ion Ratio Lower Upper
164 100
162 97.6 79.0 118.6
160 44.0 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 77.751 ng

RT: 10.792 min Scan# 1461

Delta R.T. 0.006 min

Lab File: BF143201.D

Acq: 22 Jul 2025 21:18

Instrument :

BNA_F

ClientSampleId :

WC-6

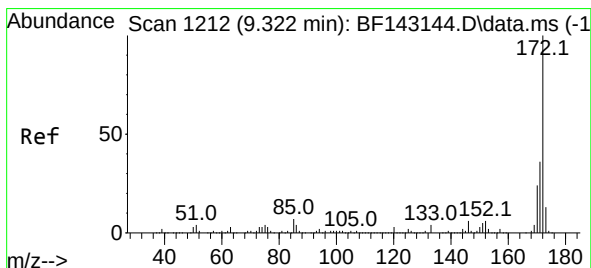
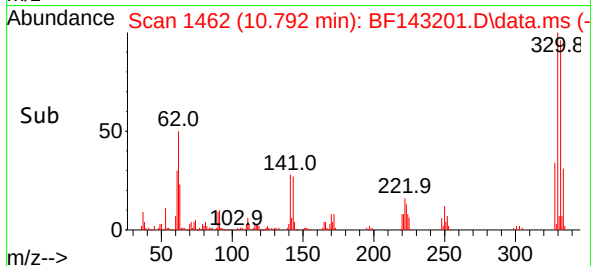
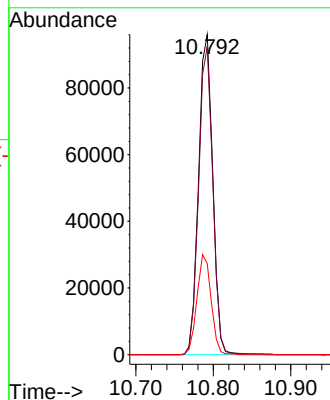
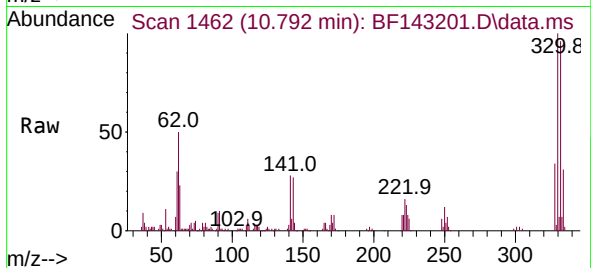
Tgt Ion:330 Resp: 122121

Ion Ratio Lower Upper

330 100

332 95.8 76.7 115.1

141 31.2 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 43.886 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.000 min

Lab File: BF143201.D

Acq: 22 Jul 2025 21:18

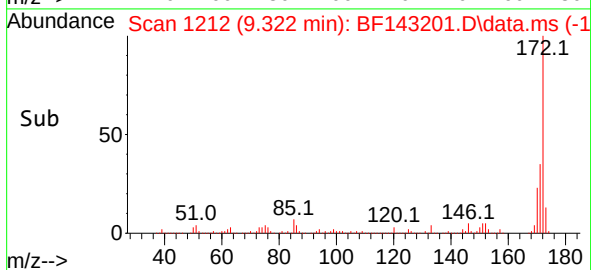
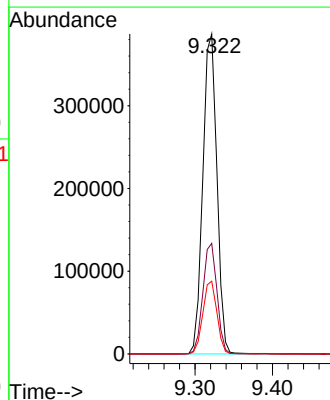
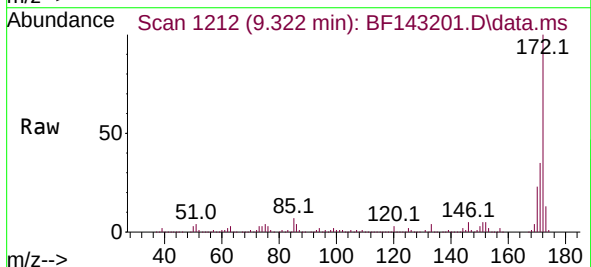
Tgt Ion:172 Resp: 487886

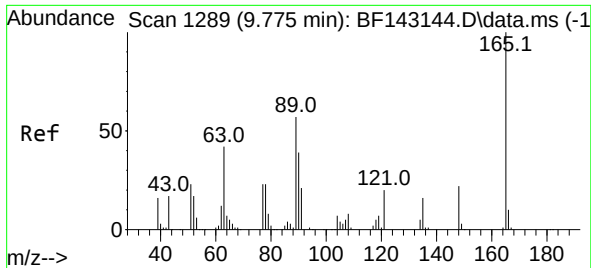
Ion Ratio Lower Upper

172 100

171 34.5 28.6 42.8

170 22.7 18.8 28.2

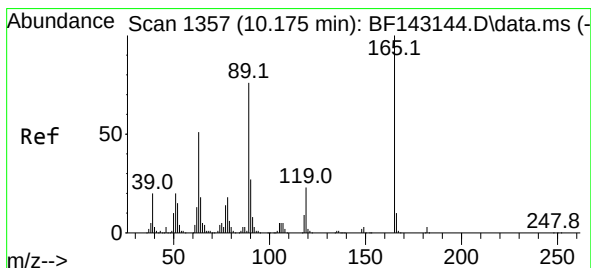
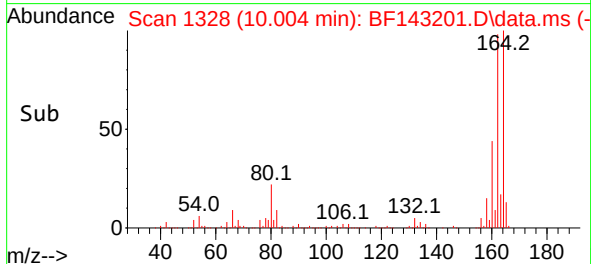
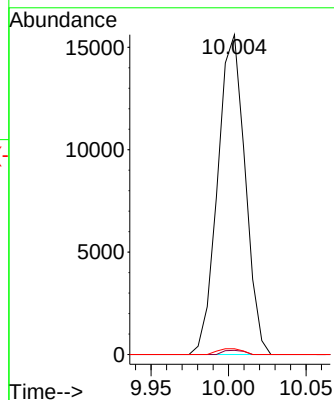
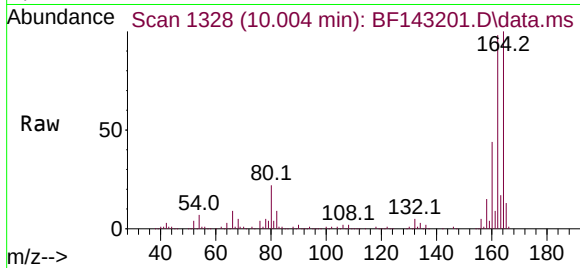




#51
2,6-Dinitrotoluene
Concen: 9.587 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.229 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

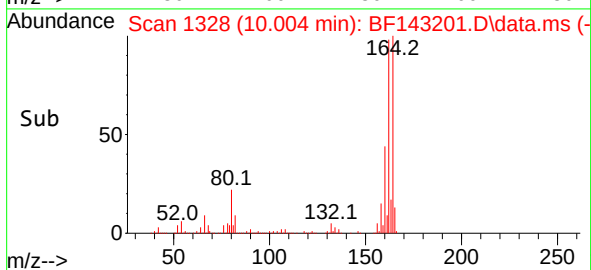
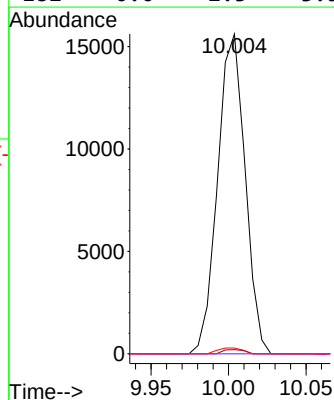
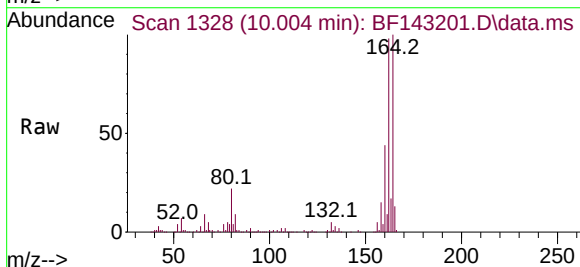
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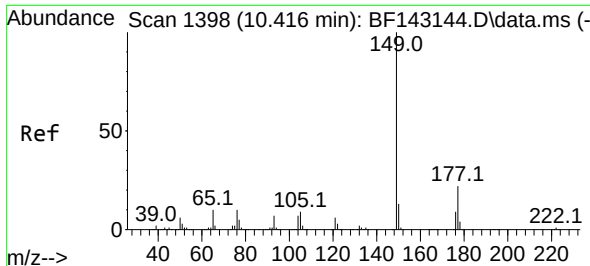
Tgt Ion:165 Resp: 19328
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.2#
89 1.8 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.641 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.171 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

Tgt Ion:165 Resp: 19328
Ion Ratio Lower Upper
165 100
63 1.3 41.0 61.4#
89 1.8 61.1 91.7#
182 0.0 2.3 3.5#





#60
Diethylphthalate
Concen: 7.164 ng
RT: 10.410 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

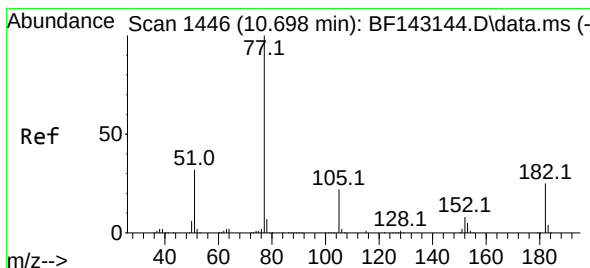
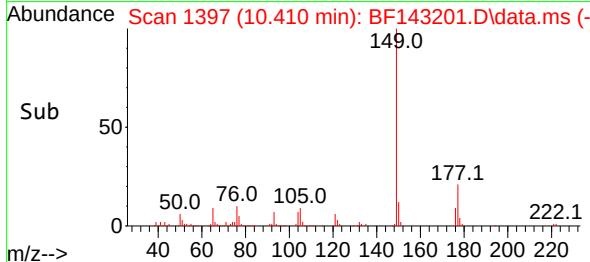
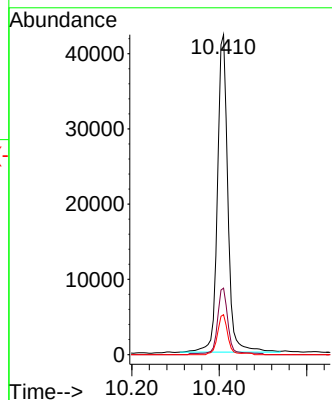
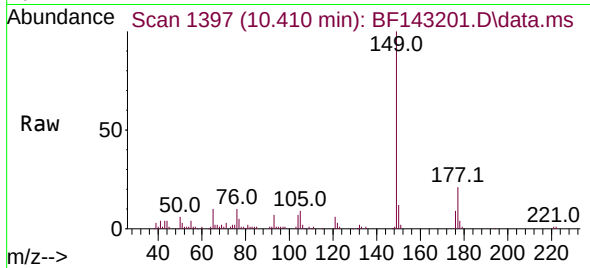
Instrument :

BNA_F

ClientSampleId :

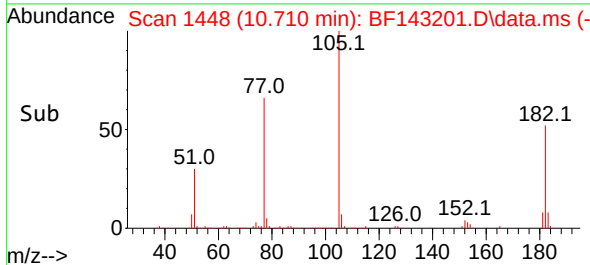
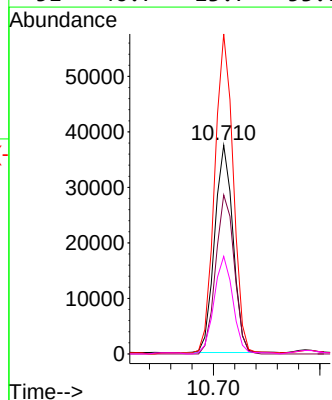
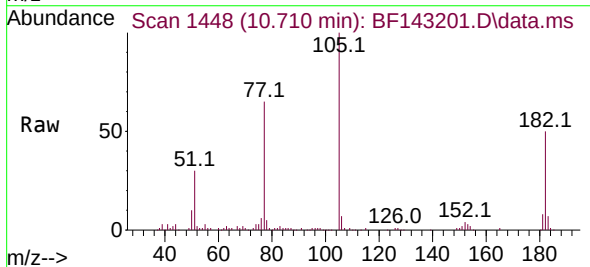
WC-6

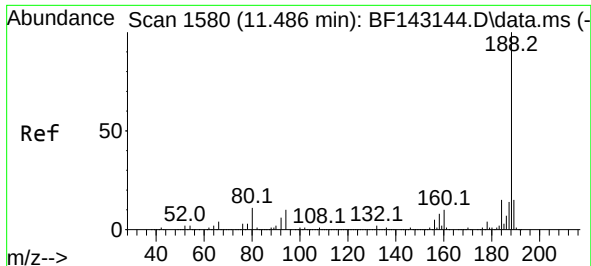
Tgt Ion:149 Resp: 70173
Ion Ratio Lower Upper
149 100
177 20.8 17.5 26.3
150 12.5 10.2 15.2



#63
Azobenzene
Concen: 4.396 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.012 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

Tgt Ion: 77 Resp: 44884
Ion Ratio Lower Upper
77 100
182 76.1 4.6 44.6#
105 153.3 1.4 41.4#
51 46.7 13.7 53.7

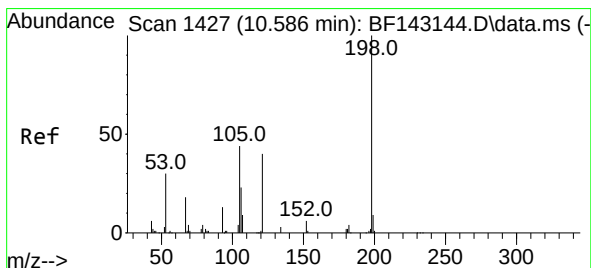
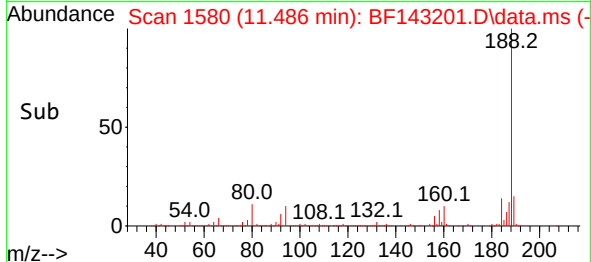
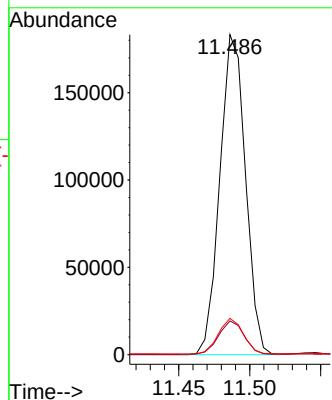
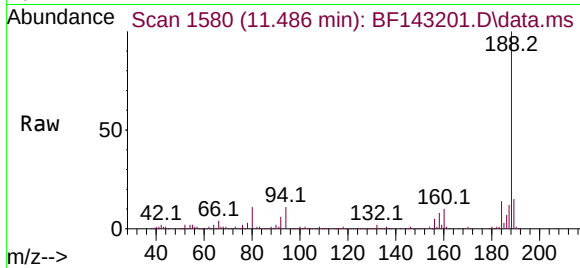




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

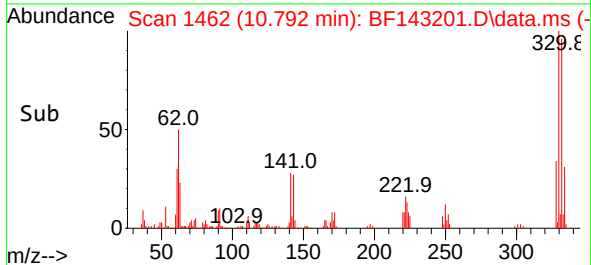
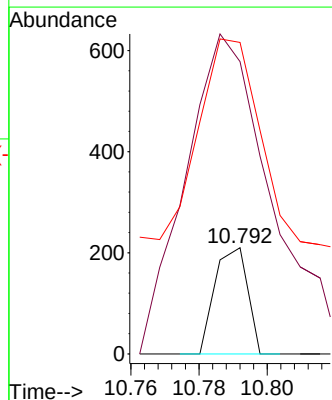
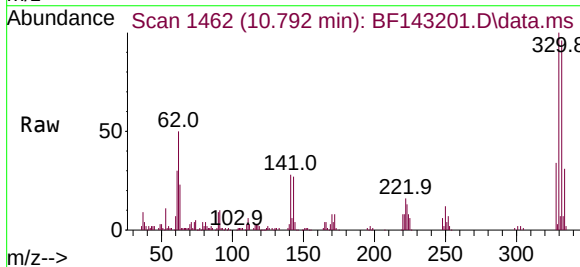
Instrument :
BNA_F
ClientSampleId :
WC-6

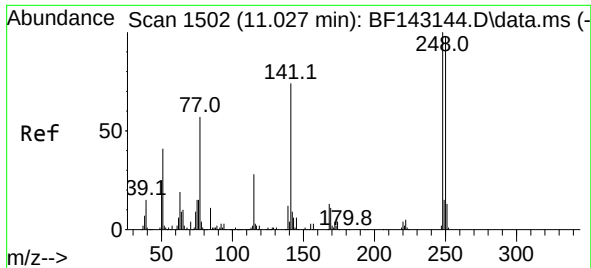
Tgt Ion:188 Resp: 230194
Ion Ratio Lower Upper
188 100
94 10.5 8.3 12.5
80 11.3 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.515 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.206 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

Tgt Ion:198 Resp: 140
Ion Ratio Lower Upper
198 100
51 275.2 37.2 77.2#
105 293.3 24.8 64.8#

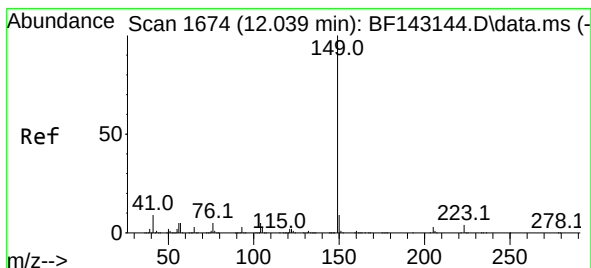
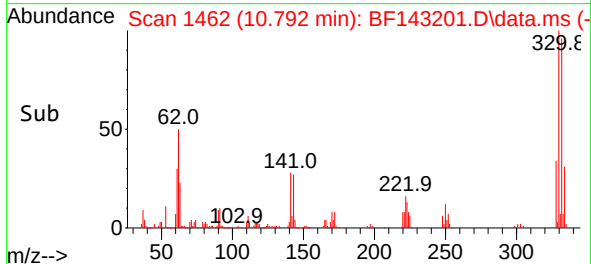
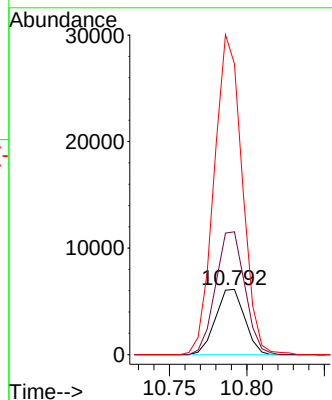
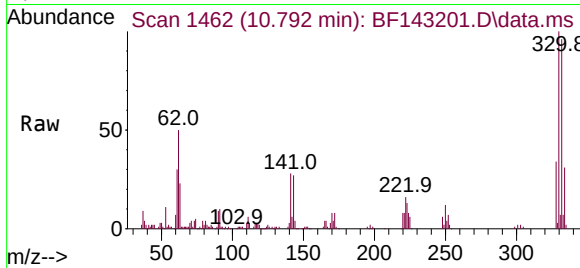




#67
4-Bromophenyl-phenylether
Concen: 2.919 ng
RT: 10.792 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

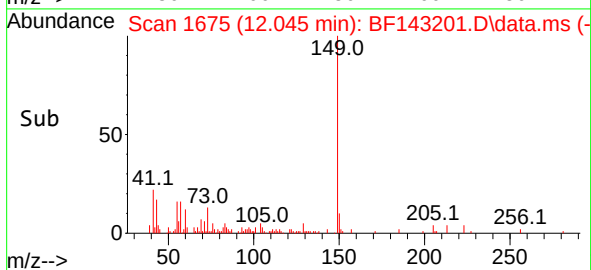
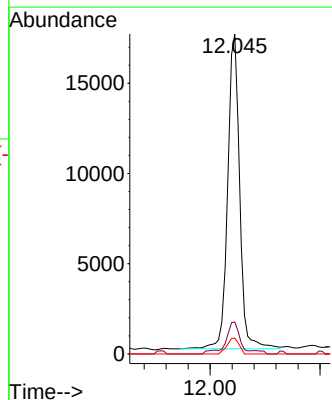
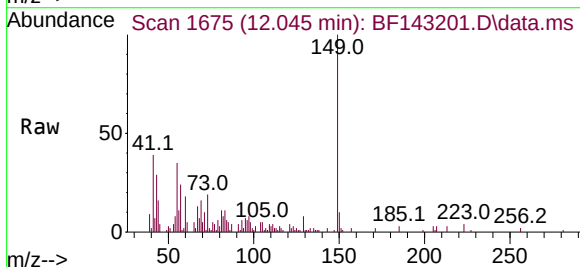
Instrument :
BNA_F
ClientSampleId :
WC-6

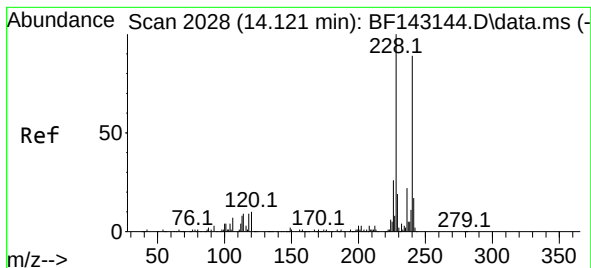
Tgt Ion:248 Resp: 8009
Ion Ratio Lower Upper
248 100
250 188.3 78.3 117.5#
141 445.8 59.2 88.8#



#74
Di-n-butylphthalate
Concen: 2.143 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143201.D
Acq: 22 Jul 2025 21:18

Tgt Ion:149 Resp: 26388
Ion Ratio Lower Upper
149 100
150 10.0 7.4 11.2
104 4.9 3.8 5.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF143201.D

Acq: 22 Jul 2025 21:18

Instrument :

BNA_F

ClientSampleId :

WC-6

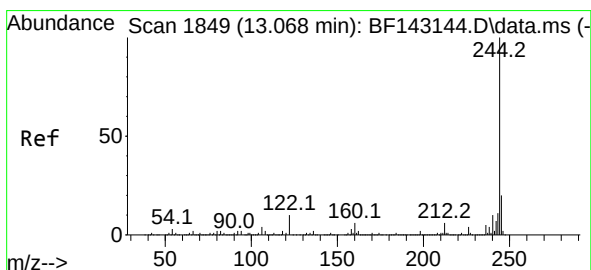
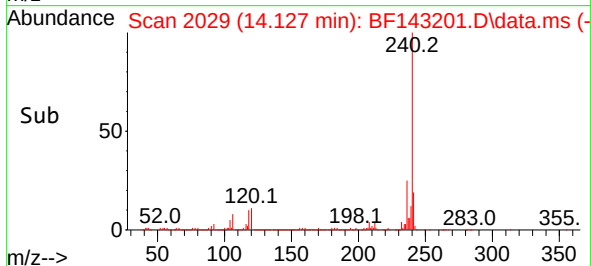
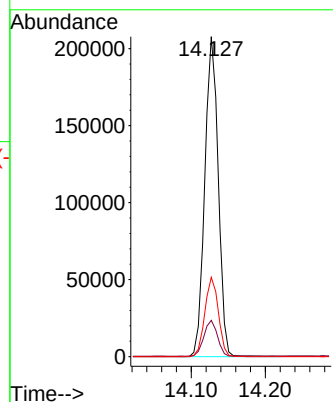
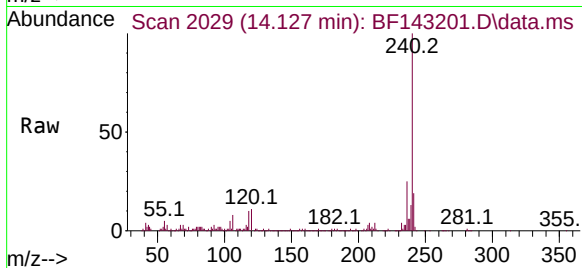
Tgt Ion:240 Resp: 261475

Ion Ratio Lower Upper

240 100

120 11.3 9.4 14.2

236 24.8 20.2 30.4



#79

Terphenyl-d14

Concen: 34.984 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143201.D

Acq: 22 Jul 2025 21:18

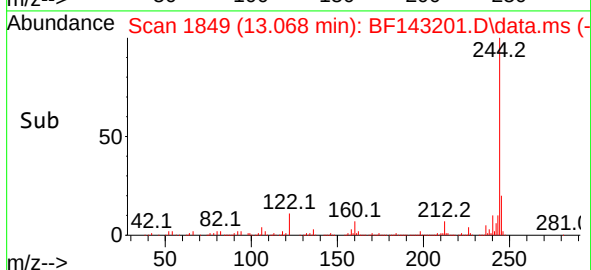
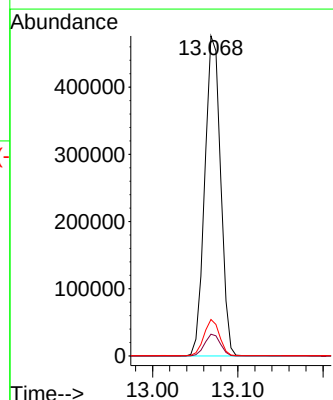
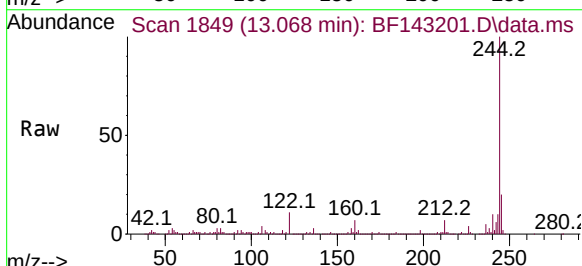
Tgt Ion:244 Resp: 614703

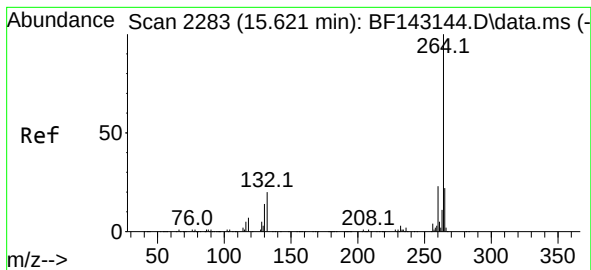
Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

122 11.4 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF143201.D

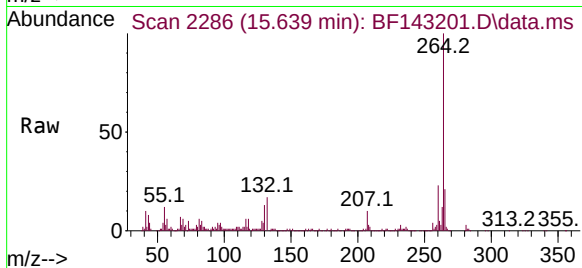
Acq: 22 Jul 2025 21:18

Instrument :

BNA_F

ClientSampleId :

WC-6



Tgt Ion:264 Resp: 188557

Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 20.7 17.4 26.2

