

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144079.D
 Acq On : 27 Oct 2025 13:04
 Operator : RC/JU
 Sample : Q3385-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WW

Quant Time: Oct 27 13:27:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

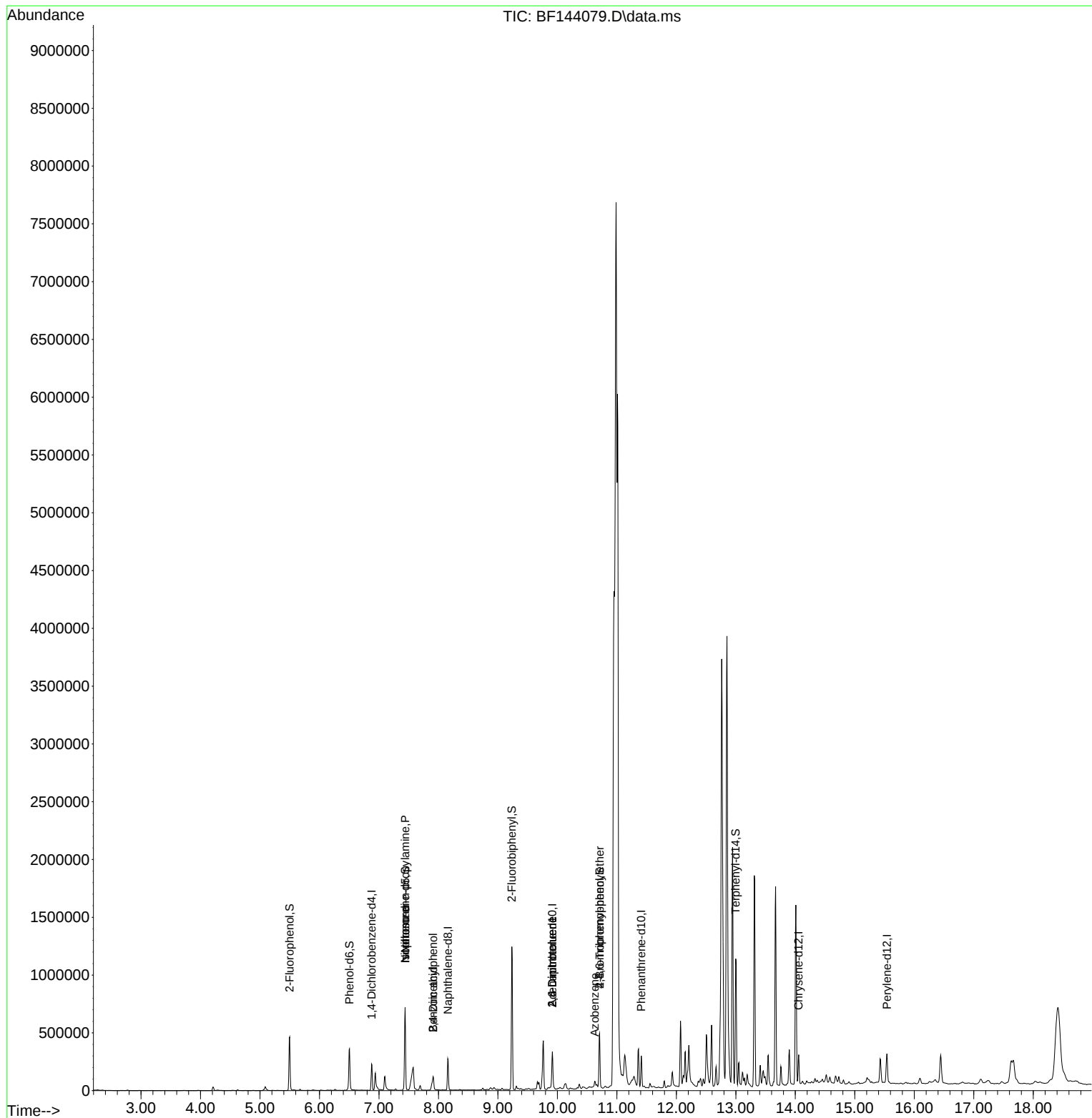
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	47582	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	172761	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	88391	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	140680	20.000	ng	0.00
76) Chrysene-d12	14.057	240	124175	20.000	ng	0.00
86) Perylene-d12	15.539	264	164739	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	178451	59.335	ng	0.00
7) Phenol-d6	6.504	99	142803	42.994	ng	0.00
23) Nitrobenzene-d5	7.440	82	292299	92.696	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95516	84.833	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	567281	90.313	ng	0.00
79) Terphenyl-d14	12.998	244	592922	83.476	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	43977	20.475	ng	# 74
25) Isophorone	7.440	82	291276	52.835	ng	# 66
27) 2,4-Dimethylphenol	7.910	122	43812	18.579	ng	# 4
32) Benzoic acid	7.910	122	43812	29.290	ng	# 85
51) 2,6-Dinitrotoluene	9.916	165	12043	10.514	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	12043	7.790	ng	# 25
63) Azobenzene	10.628	77	14329	2.779	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	4990	2.833	ng	# 1

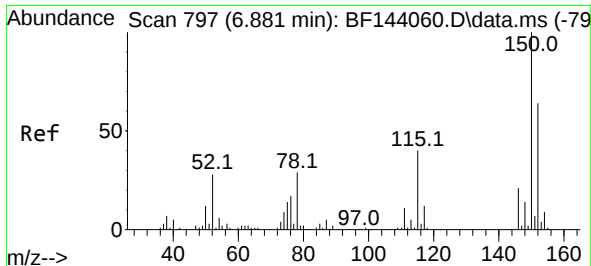
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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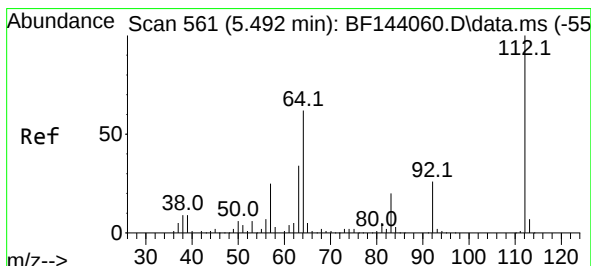
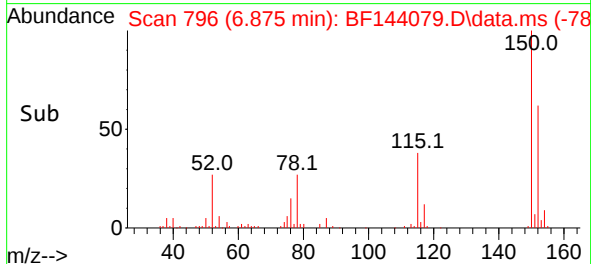
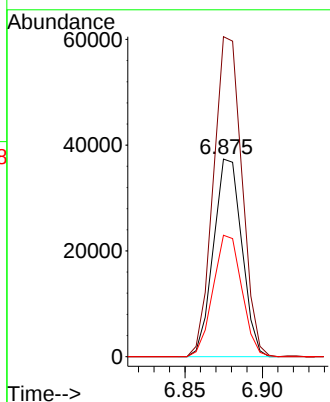
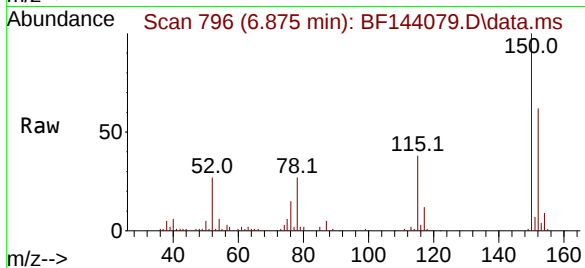




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

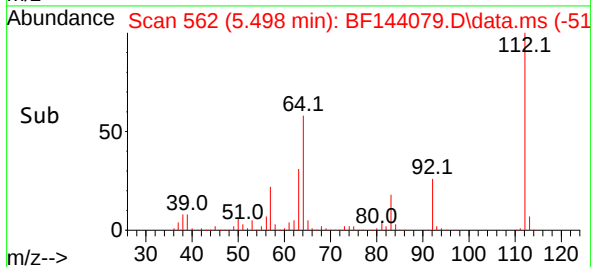
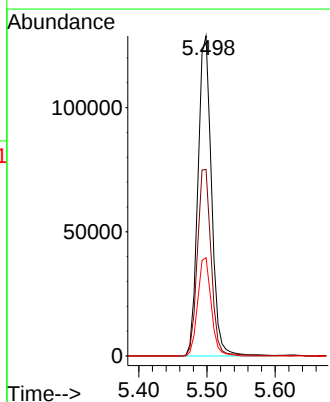
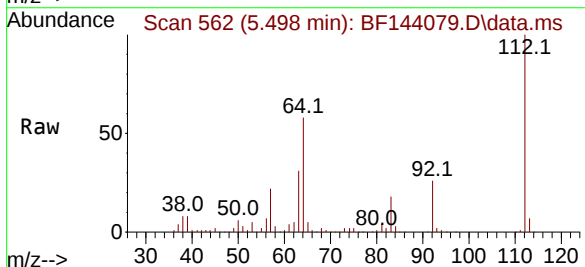
Instrument :
BNA_F
ClientSampleId :
EFF-WW

Tgt Ion:152 Resp: 47582
Ion Ratio Lower Upper
152 100
150 162.0 124.4 186.6
115 61.5 49.4 74.0



#5
2-Fluorophenol
Concen: 59.335 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

Tgt Ion:112 Resp: 178451
Ion Ratio Lower Upper
112 100
64 58.3 49.8 74.8
63 30.7 27.4 41.2

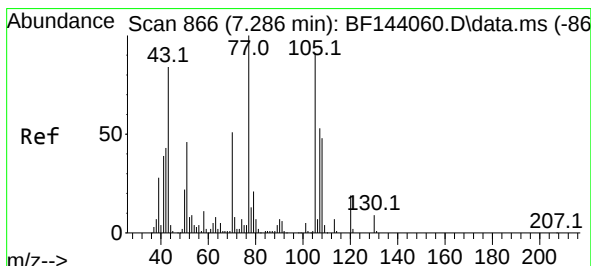
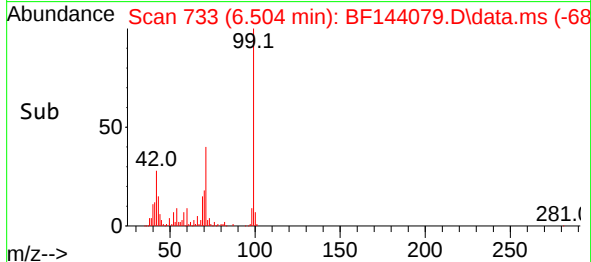
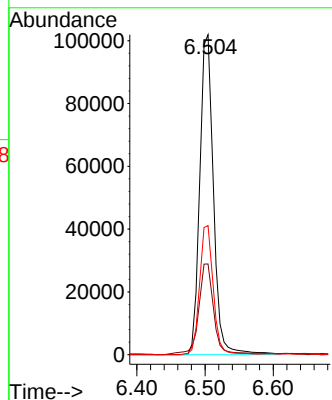
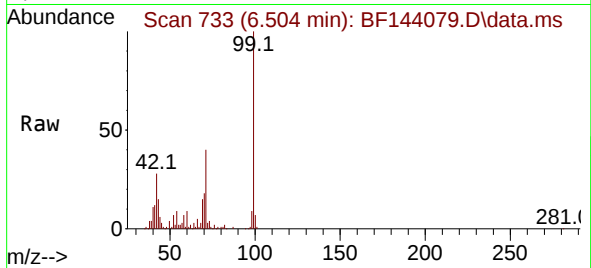




#7
Phenol-d6
Concen: 42.994 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

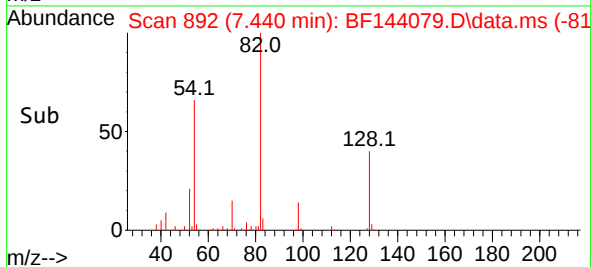
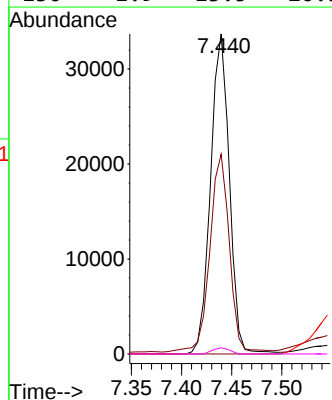
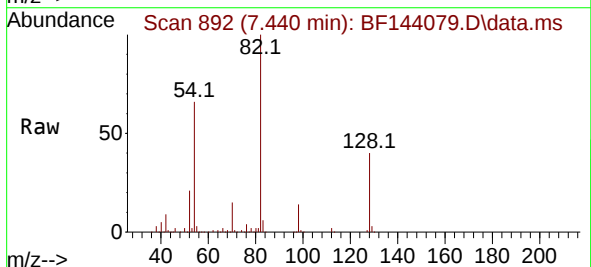
Instrument :
BNA_F
ClientSampleId :
EFF-WW

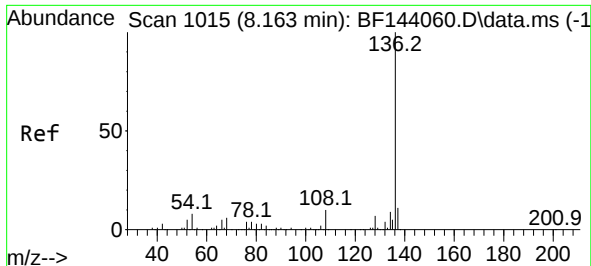
Tgt Ion: 99 Resp: 142803
Ion Ratio Lower Upper
99 100
42 28.4 23.9 35.9
71 40.4 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 20.475 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

Tgt Ion: 70 Resp: 43977
Ion Ratio Lower Upper
70 100
42 62.4 67.4 101.0#
101 0.0 7.1 10.7#
130 1.9 13.5 20.3#



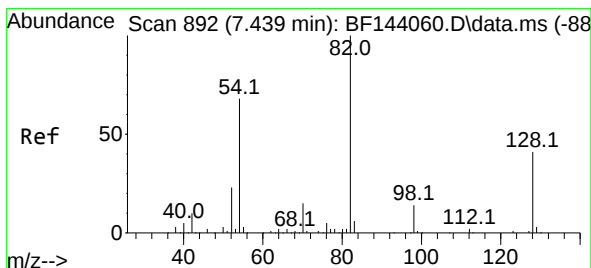
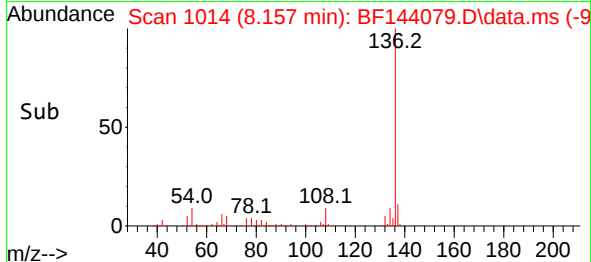
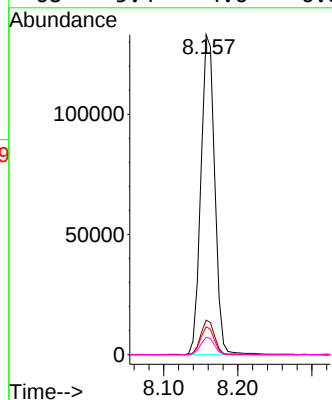
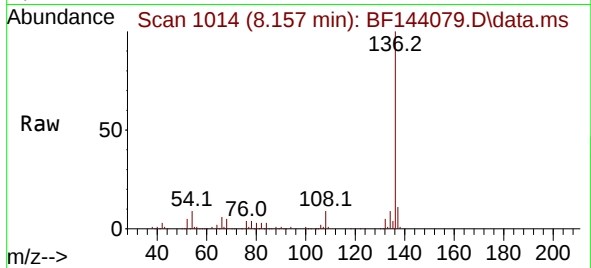


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

Instrument :
BNA_F
ClientSampleId :
EFF-WW

Tgt Ion:136 Resp: 172761

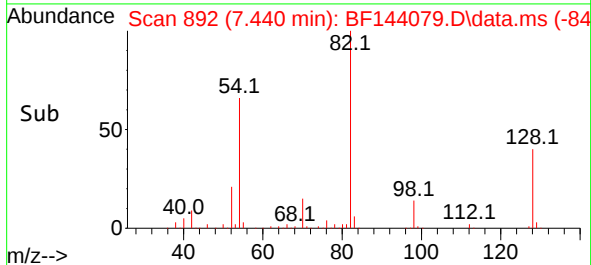
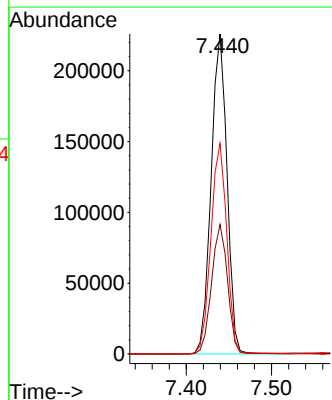
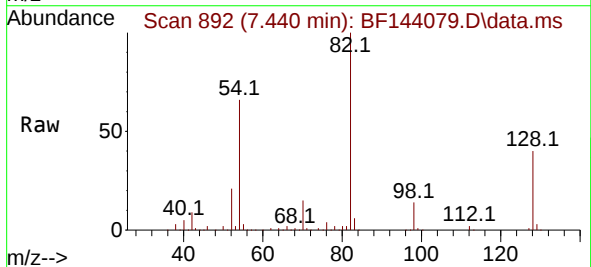
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.7	6.6	9.8
68	5.4	4.6	6.8

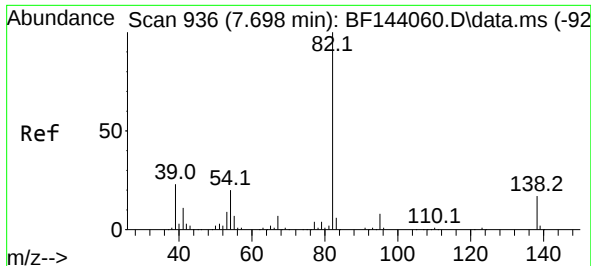


#23
Nitrobenzene-d5
Concen: 92.696 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

Tgt Ion: 82 Resp: 292299

Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.4	48.6
54	65.8	54.0	81.0

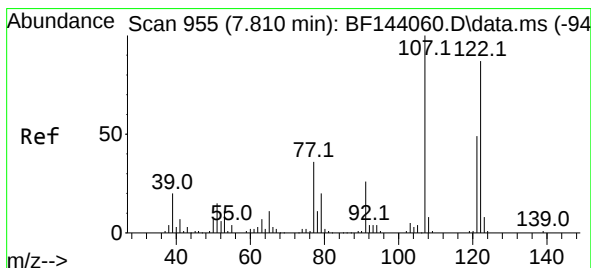
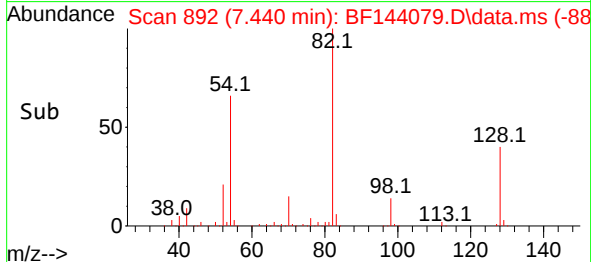
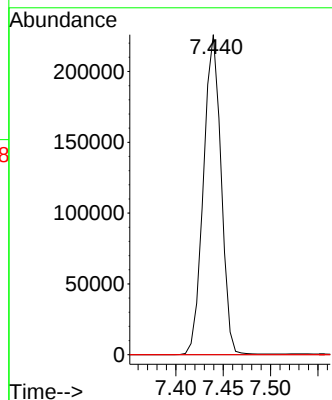
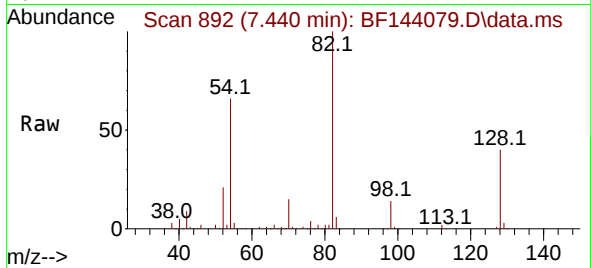




#25
Isophorone
Concen: 52.835 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

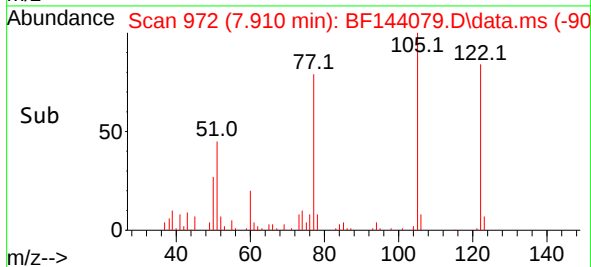
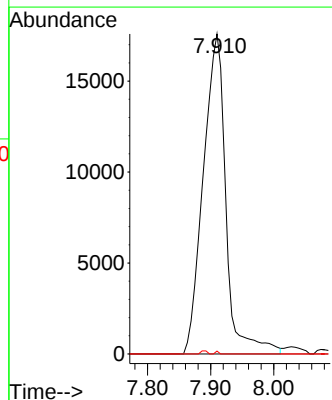
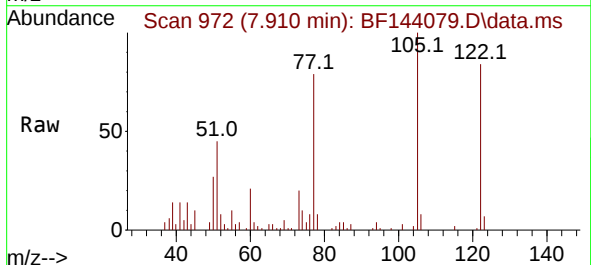
Instrument :
BNA_F
ClientSampleId :
EFF-WW

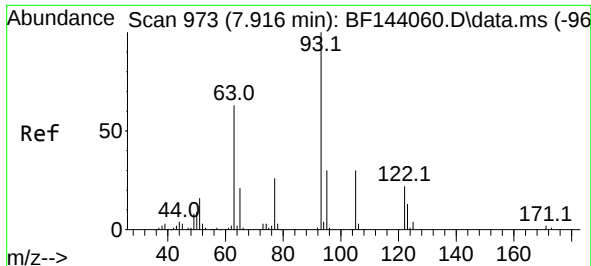
Tgt Ion: 82 Resp: 291276
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#27
2,4-Dimethylphenol
Concen: 18.579 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.100 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

Tgt Ion:122 Resp: 43812
Ion Ratio Lower Upper
122 100
107 0.0 91.8 137.8#
121 0.9 45.2 67.8#

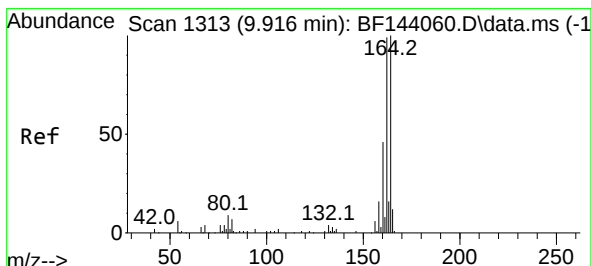
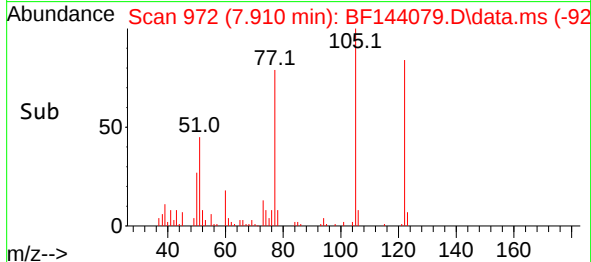
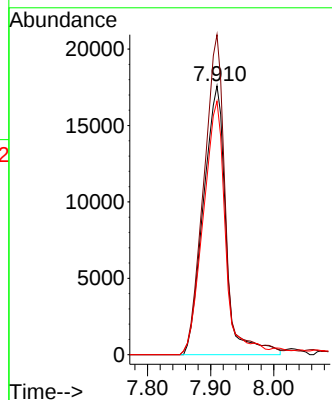
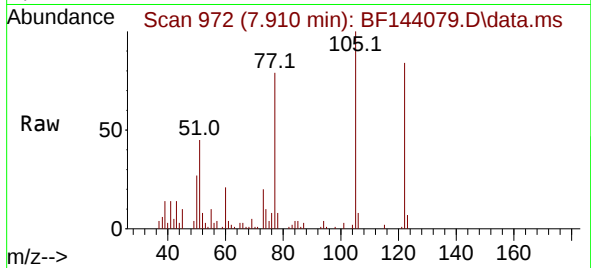




#32
Benzoic acid
Concen: 29.290 ng
RT: 7.910 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

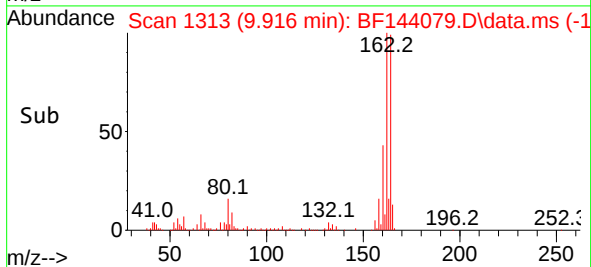
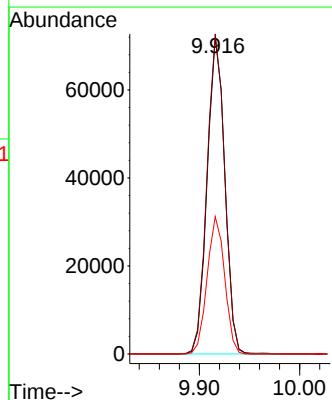
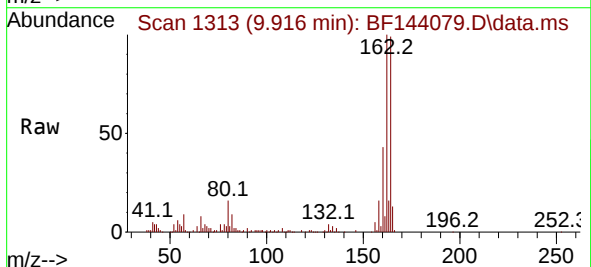
Instrument :
BNA_F
ClientSampleId :
EFF-WW

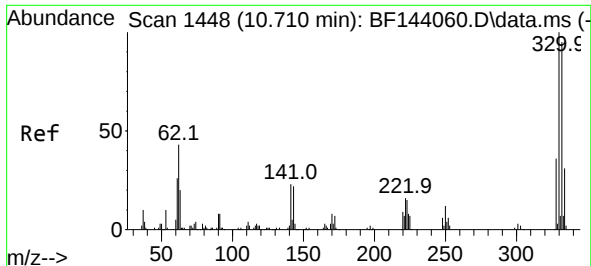
Tgt Ion:122 Resp: 43812
Ion Ratio Lower Upper
122 100
105 119.1 111.3 151.3
77 94.3 96.7 136.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

Tgt Ion:164 Resp: 88391
Ion Ratio Lower Upper
164 100
162 101.1 79.4 119.2
160 43.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 84.833 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144079.D

Acq: 27 Oct 2025 13:04

Instrument :

BNA_F

ClientSampleId :

EFF-WW

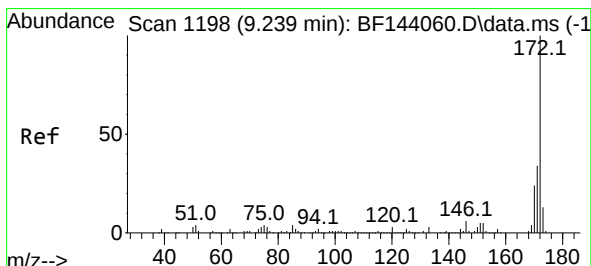
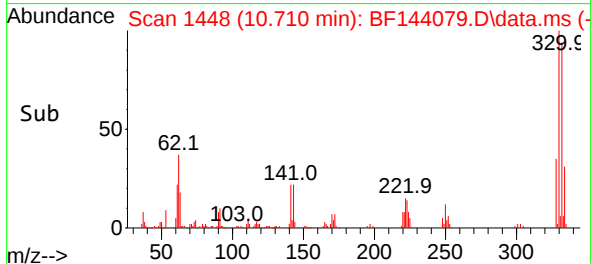
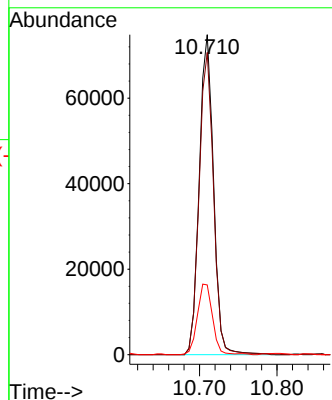
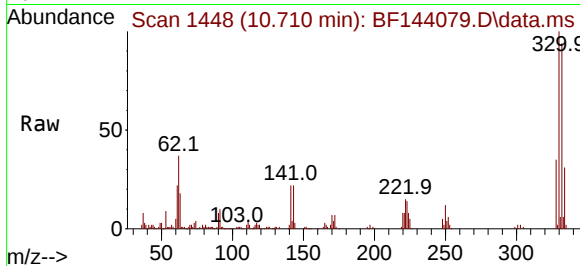
Tgt Ion:330 Resp: 95516

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

141 23.4 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 90.313 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144079.D

Acq: 27 Oct 2025 13:04

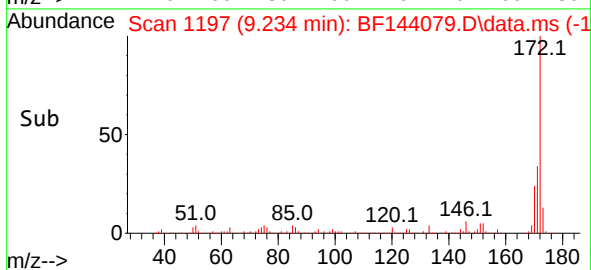
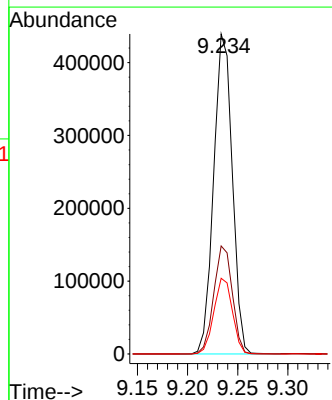
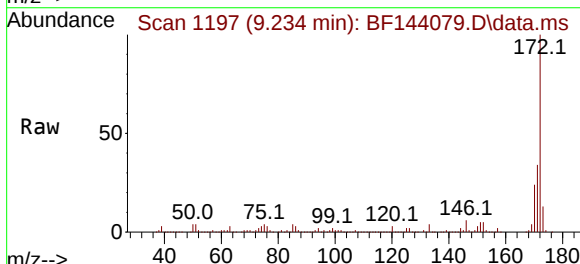
Tgt Ion:172 Resp: 567281

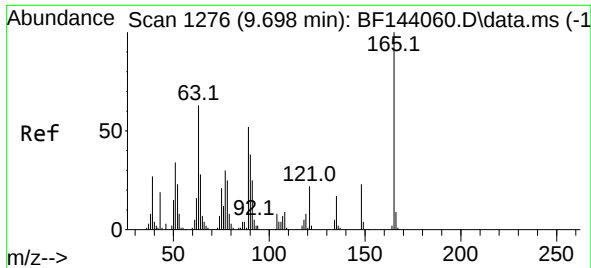
Ion Ratio Lower Upper

172 100

171 33.7 27.5 41.3

170 23.7 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 10.514 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF144079.D

Acq: 27 Oct 2025 13:04

Instrument :

BNA_F

ClientSampleId :

EFF-WW

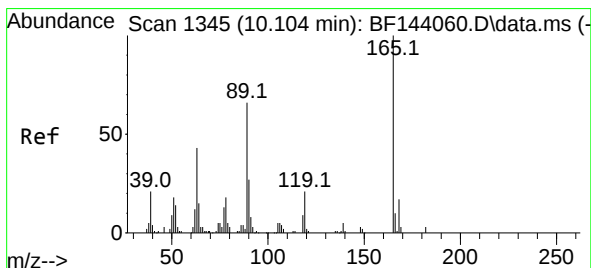
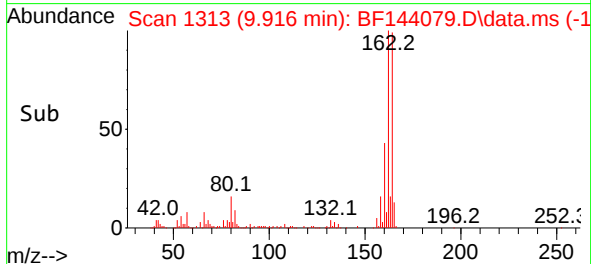
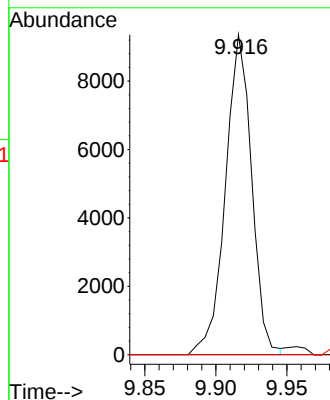
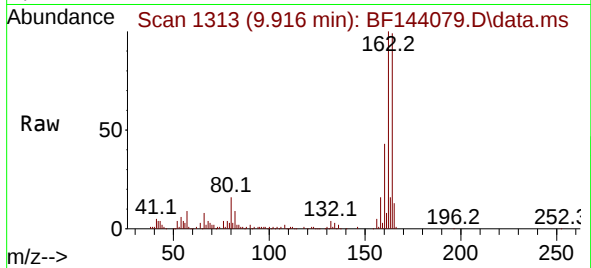
Tgt Ion:165 Resp: 12043

Ion Ratio Lower Upper

165 100

63 0.0 50.4 75.6#

89 0.0 41.4 62.2#



#57

2,4-Dinitrotoluene

Concen: 7.790 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144079.D

Acq: 27 Oct 2025 13:04

Tgt Ion:165 Resp: 12043

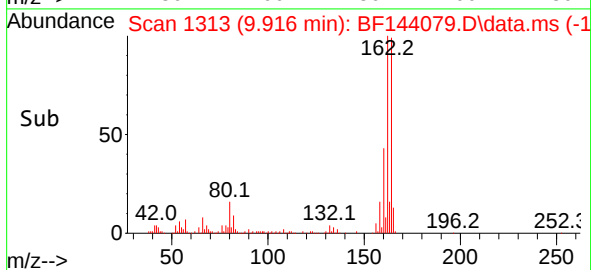
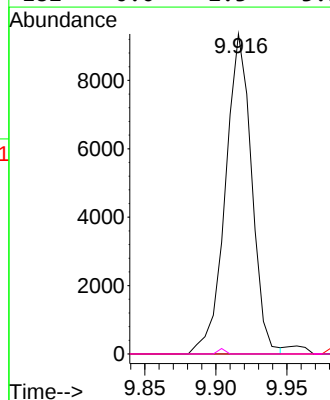
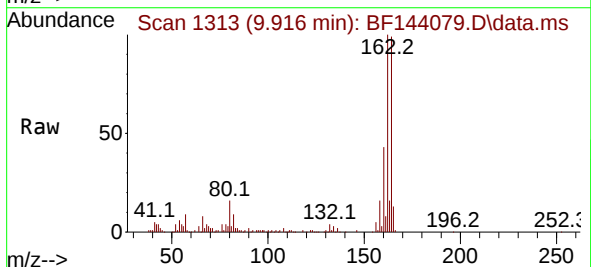
Ion Ratio Lower Upper

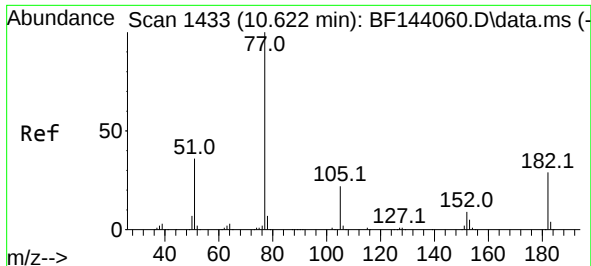
165 100

63 0.0 35.4 53.2#

89 0.0 52.7 79.1#

182 0.0 2.3 3.5#

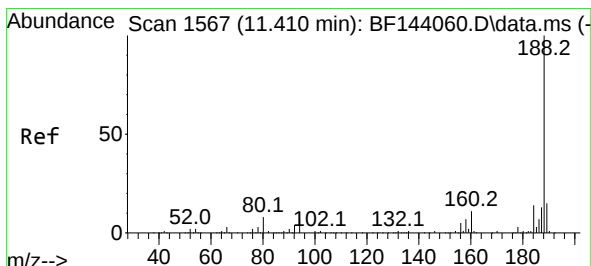
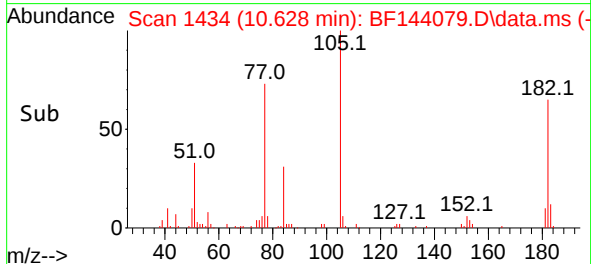
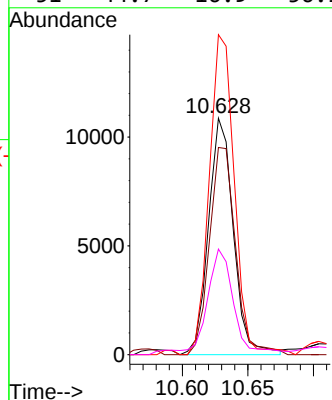
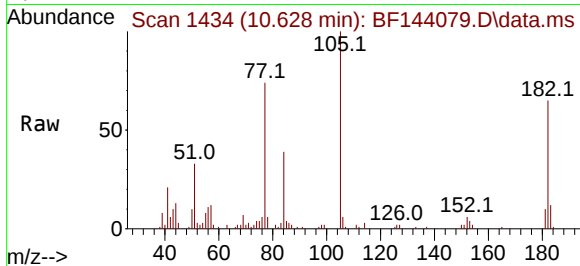




#63
Azobenzene
Concen: 2.779 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

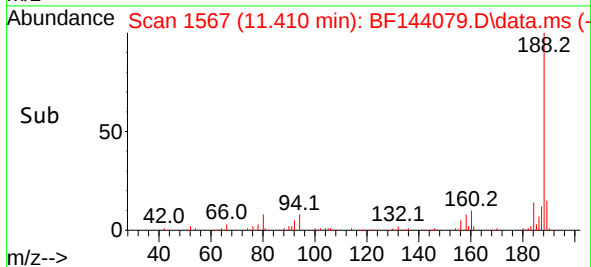
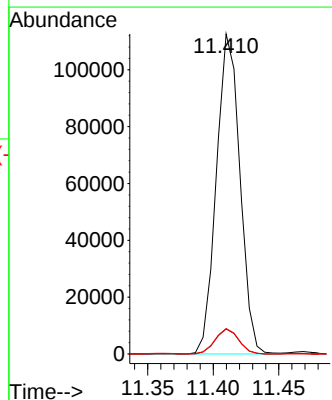
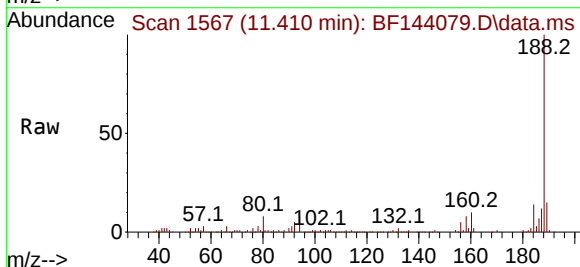
Instrument :
BNA_F
ClientSampleId :
EFF-WW

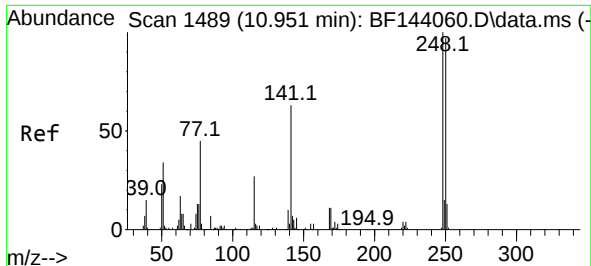
Tgt Ion: 77	Resp: 14329
Ion Ratio	Lower Upper
77 100	
182 87.6	9.0 49.0#
105 135.4	1.4 41.4#
51 44.7	16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

Tgt Ion: 188	Resp: 140680
Ion Ratio	Lower Upper
188 100	
94 7.8	5.4 8.0
80 7.9	6.0 9.0

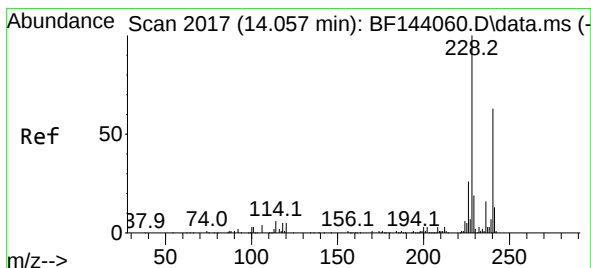
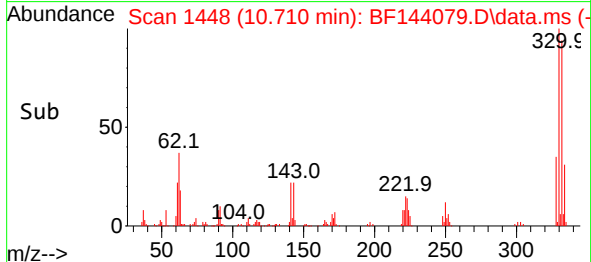
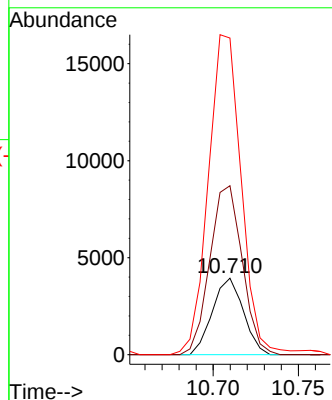
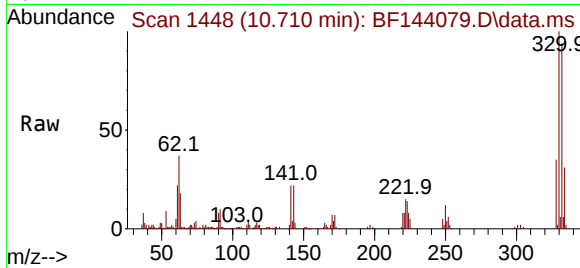




#67
4-Bromophenyl-phenylether
Concen: 2.833 ng
RT: 10.710 min Scan# 1489
Delta R.T. -0.241 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

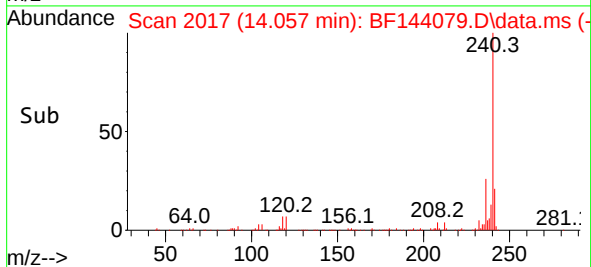
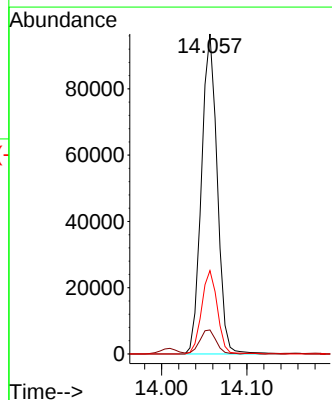
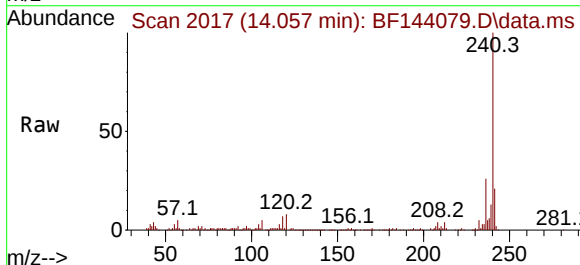
Instrument :
BNA_F
ClientSampleId :
EFF-WW

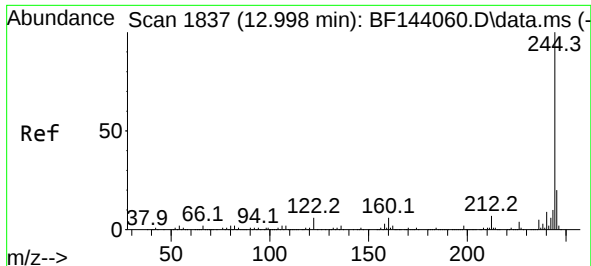
Tgt Ion:248 Resp: 4990
Ion Ratio Lower Upper
248 100
250 221.0 77.8 116.6#
141 414.2 50.5 75.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144079.D
Acq: 27 Oct 2025 13:04

Tgt Ion:240 Resp: 124175
Ion Ratio Lower Upper
240 100
120 7.5 6.5 9.7
236 26.0 20.1 30.1

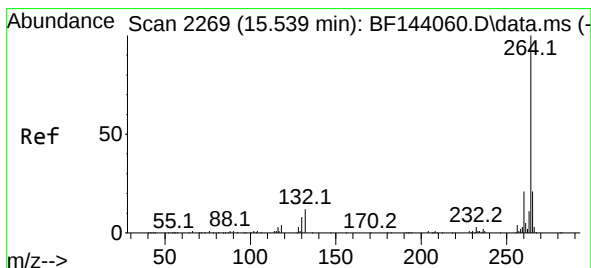
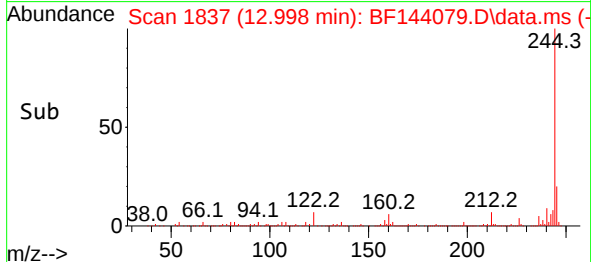
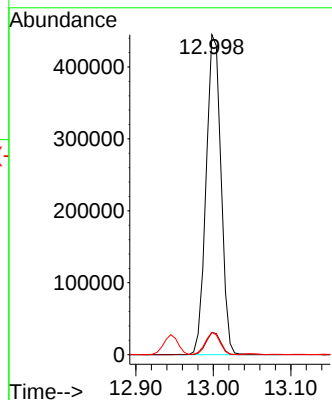
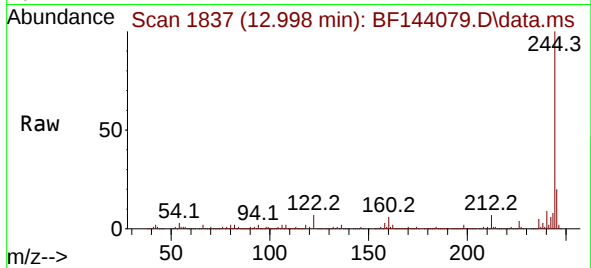




#79
 Terphenyl-d14
 Concen: 83.476 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF144079.D
 Acq: 27 Oct 2025 13:04

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WW

Tgt Ion:244 Resp: 592922
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 7.0 4.9 7.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. 0.000 min
 Lab File: BF144079.D
 Acq: 27 Oct 2025 13:04

Tgt Ion:264 Resp: 164739
 Ion Ratio Lower Upper
 264 100
 260 21.6 17.0 25.4
 265 20.8 16.6 24.8

